

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\
 Data File : VX004506.D
 Acq On : 13 Sep 2018 10:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/15/2018 11:23:38 AM

Quant Time: Sep 14 04:02:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	331947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400197	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	378861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	232844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	196951	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
35) Dibromofluoromethane	5.50	113	170638	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
50) Toluene-d8	8.71	98	590702	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.14	95	220237	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	145090	46.638	ug/l	96
3) Chloromethane	1.32	50	175916	41.088	ug/l	100
4) Vinyl Chloride	1.40	62	191469	43.572	ug/l	100
5) Bromomethane	1.64	94	86266	46.810	ug/l	95
6) Chloroethane	1.71	64	118656	41.755	ug/l	96
7) Trichlorofluoromethane	1.92	101	257770	44.248	ug/l	98
8) Diethyl Ether	2.19	74	115439	44.202	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	166487	45.051	ug/l	99
10) Methyl Iodide	2.51	142	191590	43.935	ug/l	97
11) Tert butyl alcohol	3.07	59	210417	206.028	ug/l	99
12) 1,1-Dichloroethene	2.37	96	156433	45.102	ug/l	90
13) Acrolein	2.29	56	74650	185.165	ug/l	98
14) Allyl chloride	2.73	41	303668	42.586	ug/l	98
15) Acrylonitrile	3.15	53	523844	212.994	ug/l	100
16) Acetone	2.45	43	413219	197.804	ug/l	97
17) Carbon Disulfide	2.57	76	440317	43.920	ug/l	97
18) Methyl Acetate	2.78	43	238799	40.744	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	543478	44.657	ug/l	95
20) Methylene Chloride	2.85	84	178101	41.560	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	168446	43.950	ug/l	94
22) Diisopropyl ether	3.87	45	587980	45.783	ug/l	95
23) Vinyl Acetate	3.82	43	2443910	235.150	ug/l	98
24) 1,1-Dichloroethane	3.69	63	320655	44.223	ug/l	98
25) 2-Butanone	4.70	43	661366	198.923	ug/l	99
26) 2,2-Dichloropropane	4.59	77	252137	50.629	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	192253	44.935	ug/l	98
28) Bromochloromethane	5.01	49	147245	44.396	ug/l	97
29) Tetrahydrofuran	5.16	42	436293	217.601	ug/l	98
30) Chloroform	5.21	83	306542	43.303	ug/l	99
31) Cyclohexane	5.57	56	295749	47.768	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	264766	46.438	ug/l	98
36) 1,1-Dichloropropene	5.80	75	243734	50.165	ug/l	98
37) Ethyl Acetate	4.85	43	247525	44.794	ug/l	99
38) Carbon Tetrachloride	5.78	117	230387	48.548	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	271646	53.578	ug/l	98
40) Benzene	6.14	78	716902	49.731	ug/l	98
41) Methacrylonitrile	5.06	41	137587	45.190	ug/l	99
42) 1,2-Dichloroethane	6.20	62	231836	48.489	ug/l	100
43) Isopropyl Acetate	6.46	43	375915	51.218	ug/l	100
44) Trichloroethene	7.21	130	181979	48.590	ug/l	96
45) 1,2-Dichloropropane	7.51	63	166489	47.996	ug/l	99
46) Dibromomethane	7.66	93	105461	48.125	ug/l	100
47) Bromodichloromethane	7.90	83	199291	48.089	ug/l	98
48) Methyl methacrylate	7.77	41	178093	49.031	ug/l	98
49) 1,4-Dioxane	7.76	88	82467	959.261	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1131391	218.437	ug/l	99
52) Toluene	8.79	92	401549	47.278	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	233324	48.198	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	254957	51.664	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	168343	46.033	ug/l	94
56) Ethyl methacrylate	9.18	69	260528	50.358	ug/l	98
57) 1,3-Dichloropropane	9.37	76	300840	50.629	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	640404	243.161	ug/l	96
59) 2-Hexanone	9.49	43	965897	243.125	ug/l	98
60) Dibromochloromethane	9.59	129	170483	49.517	ug/l	99
61) 1,2-Dibromoethane	9.67	107	170913	48.923	ug/l	99
64) Tetrachloroethene	9.34	164	229368	48.490	ug/l	94
65) Chlorobenzene	10.14	112	448495	47.658	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	157464	48.522	ug/l	99
67) Ethyl Benzene	10.25	91	766753	50.108	ug/l	98
68) m/p-Xylenes	10.36	106	605819	102.779	ug/l	98
69) o-Xylene	10.70	106	288679	50.943	ug/l	99
70) Styrene	10.71	104	486667	51.838	ug/l	99
71) Bromoform	10.86	173	128330	48.161	ug/l	99
73) Isopropylbenzene	11.02	105	784261	51.142	ug/l	100
74) N-amyl acetate	10.90	43	315883	48.940	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	223382	45.161	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	221167m	47.211	ug/l	
77) Bromobenzene	11.26	156	206290	48.670	ug/l	99
78) n-propylbenzene	11.36	91	920882	52.228	ug/l	100
79) 2-Chlorotoluene	11.42	91	528993	49.468	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	668046	51.821	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	76675	52.171	ug/l	92
82) 4-Chlorotoluene	11.51	91	629562	50.442	ug/l	99
83) tert-Butylbenzene	11.77	119	636742	51.881	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	685875	52.110	ug/l	99
85) sec-Butylbenzene	11.94	105	815065	52.115	ug/l	99
86) p-Isopropyltoluene	12.07	119	741063	53.657	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	386465	48.869	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	391530	47.915	ug/l	99
89) n-Butylbenzene	12.39	91	668522	53.118	ug/l	98
90) Hexachloroethane	12.60	117	108644	49.138	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	385436	48.154	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51297	48.569	ug/l	97

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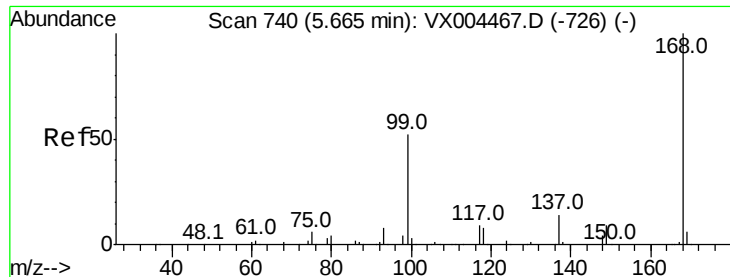
Manual Integrations
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9/15/2018 11:23:38 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	297360	52.466	ug/l	98
94) Hexachlorobutadiene	13.79	225	149785	50.594	ug/l	97
95) Naphthalene	13.83	128	835587	52.565	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	296101	50.853	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 331947

Ion Ratio Lower Upper

168 100

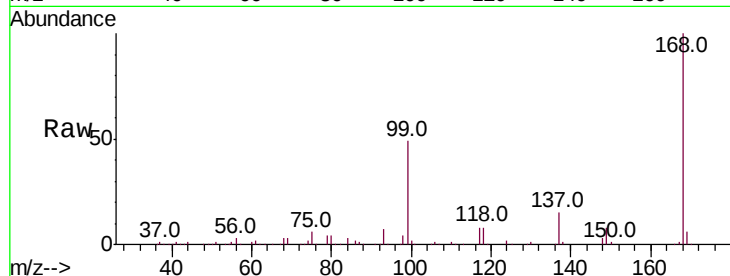
99 48.6 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

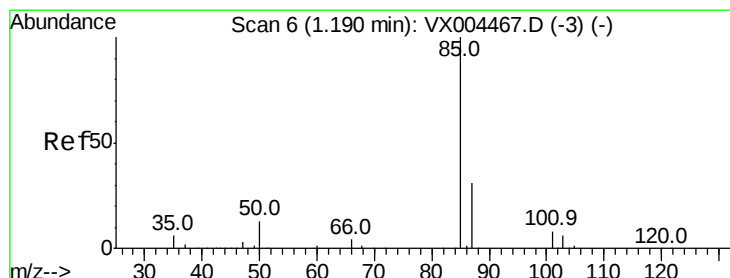
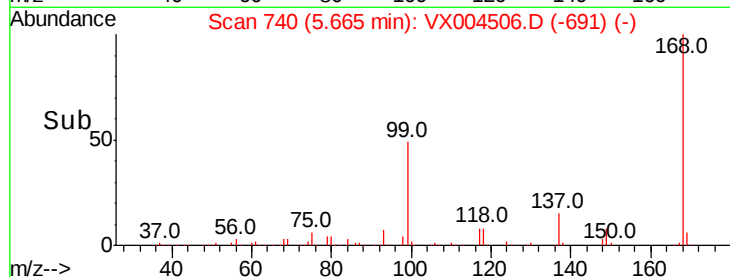
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50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 46.638 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004506.D

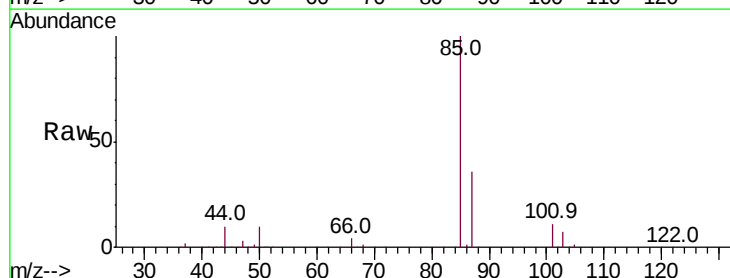
Acq: 13 Sep 2018 10:17

Tgt Ion: 85 Resp: 145090

Ion Ratio Lower Upper

85 100

87 35.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

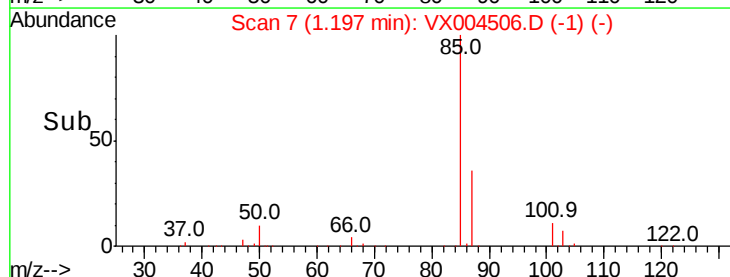
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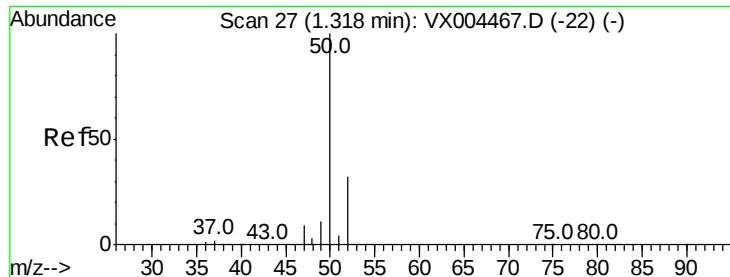
50000

0

Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 41.088 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 175916

Ion Ratio Lower Upper

50 100

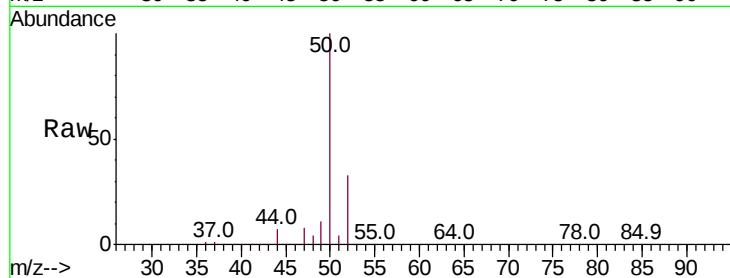
52 32.6 26.2 39.2

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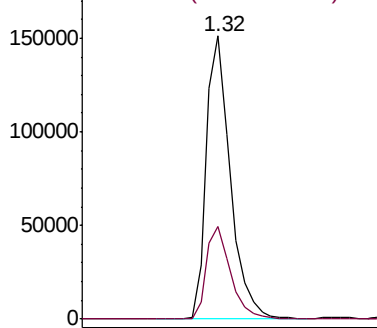
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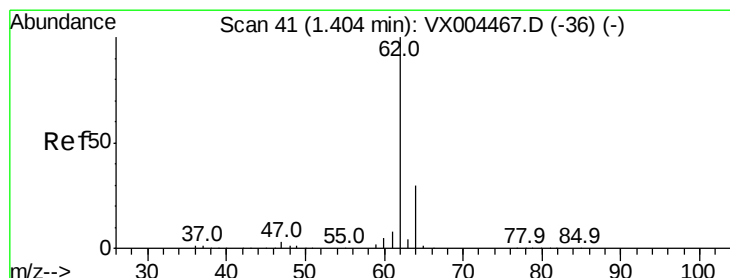
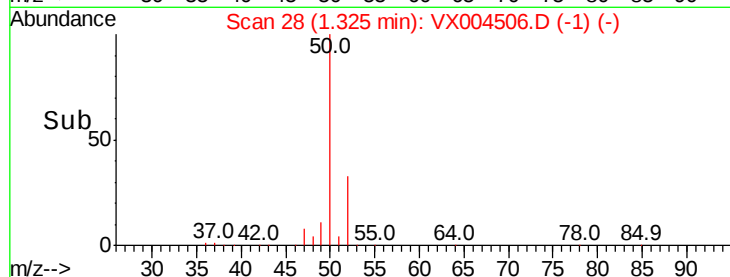


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 43.572 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004506.D

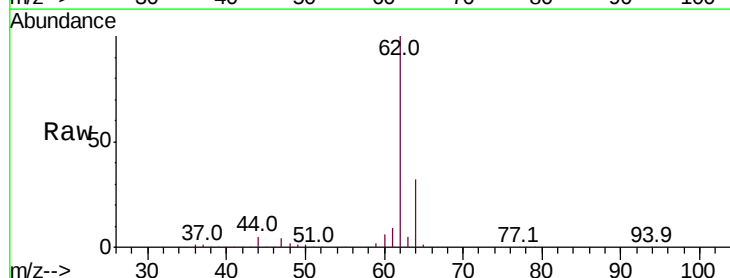
Acq: 13 Sep 2018 10:17

Tgt Ion: 62 Resp: 191469

Ion Ratio Lower Upper

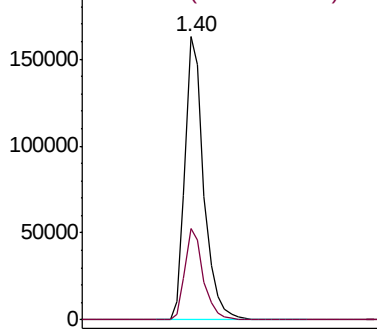
62 100

64 32.0 25.8 38.8

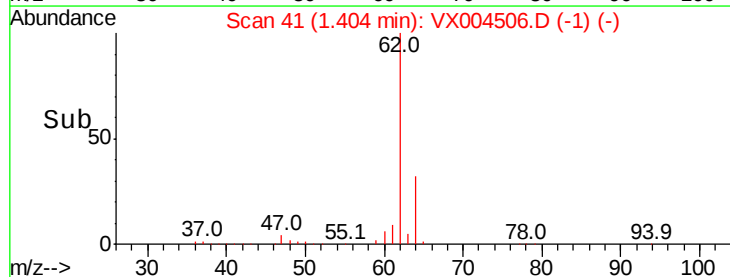


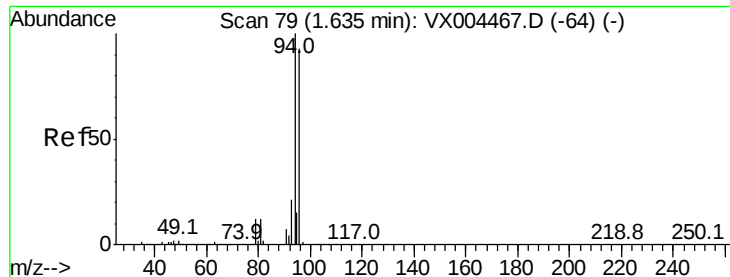
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 46.810 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86266

Ion Ratio Lower Upper

94 100

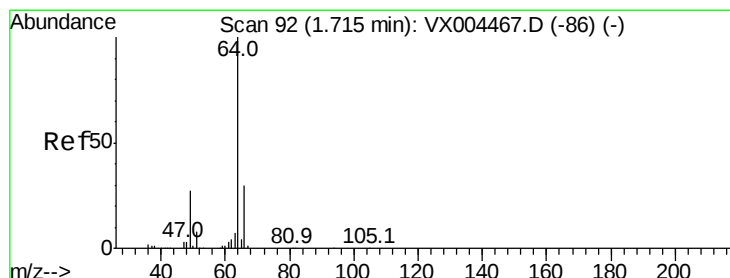
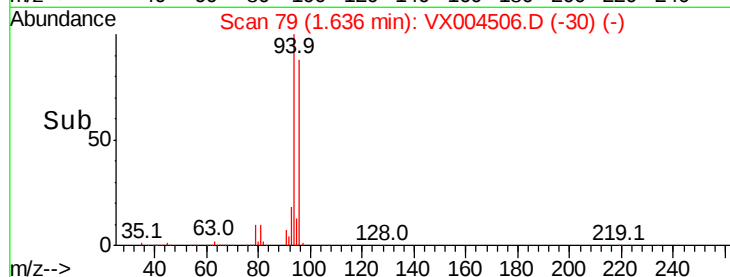
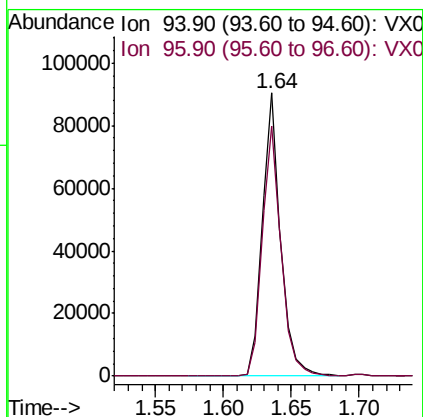
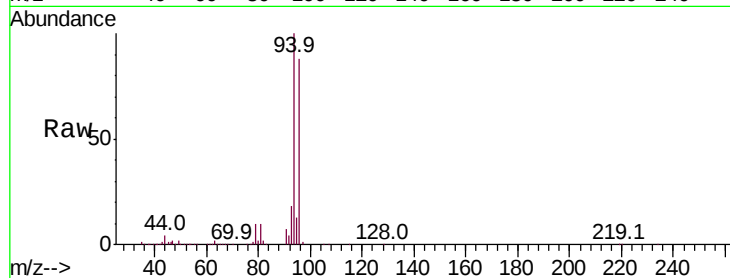
96 88.2 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 41.755 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004506.D

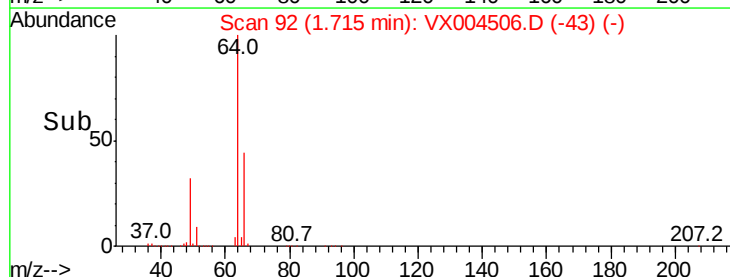
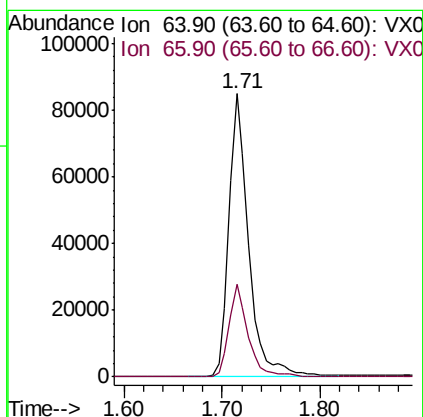
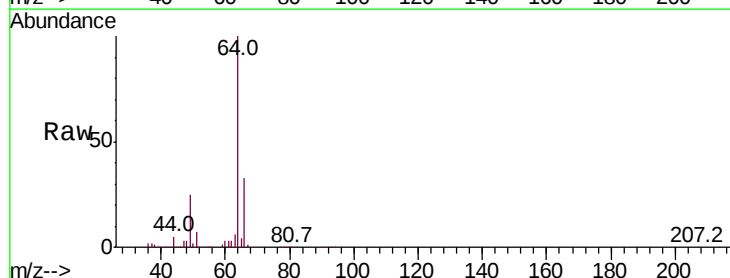
Acq: 13 Sep 2018 10:17

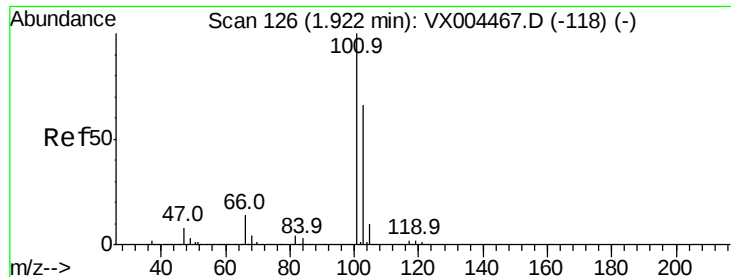
Tgt Ion: 64 Resp: 118656

Ion Ratio Lower Upper

64 100

66 32.8 24.6 36.8





#7

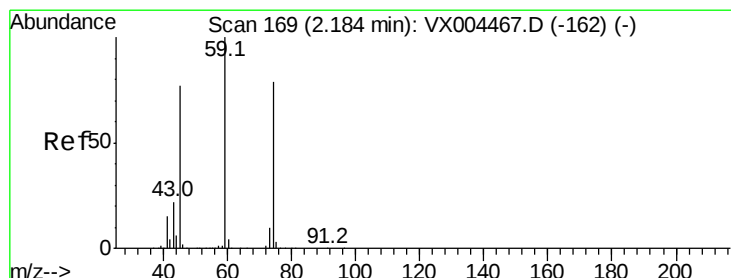
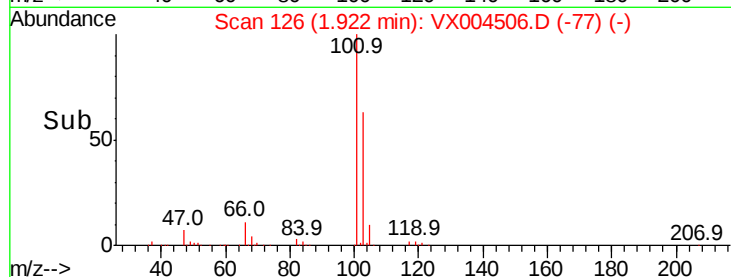
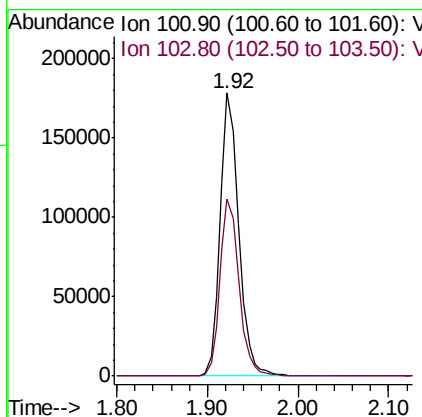
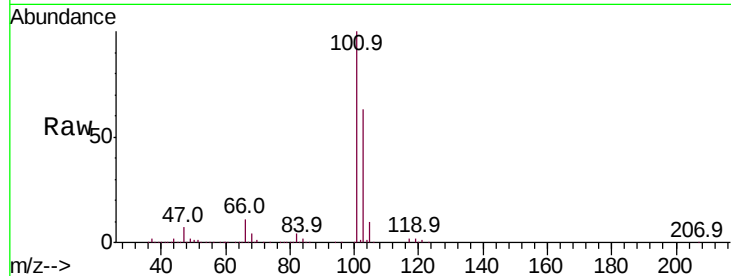
Trichlorofluoromethane
Concen: 44.248 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

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MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 257770
Ion Ratio Lower Upper
101 100
103 62.6 48.9 73.3

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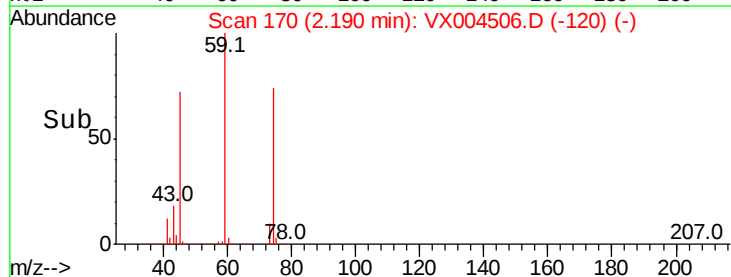
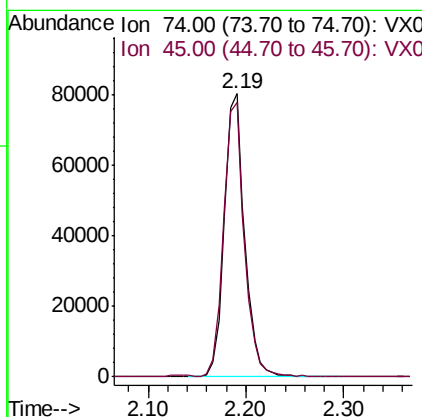
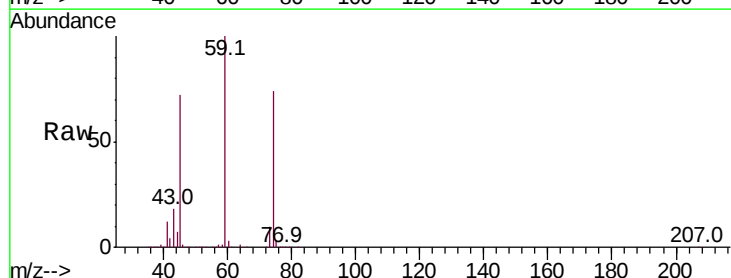
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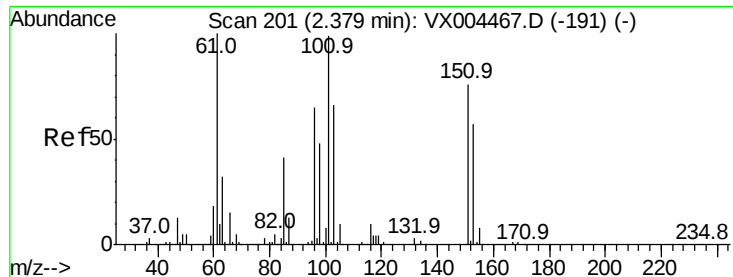


#8

Diethyl Ether
Concen: 44.202 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion: 74 Resp: 115439
Ion Ratio Lower Upper
74 100
45 98.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.051 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

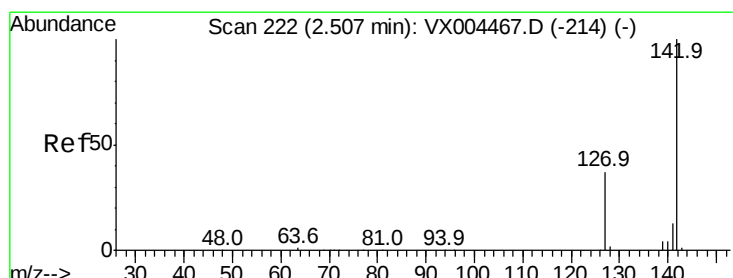
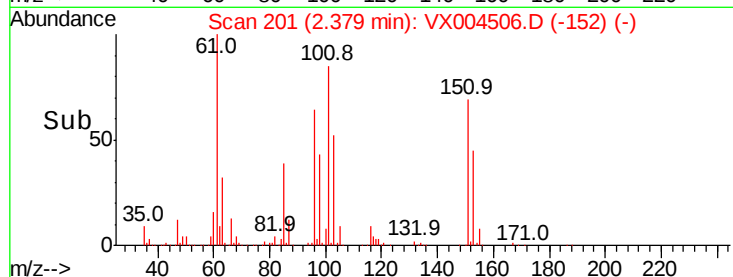
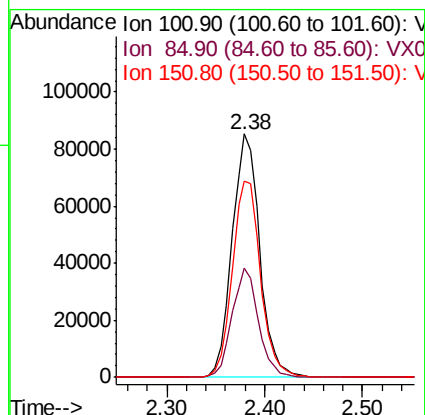
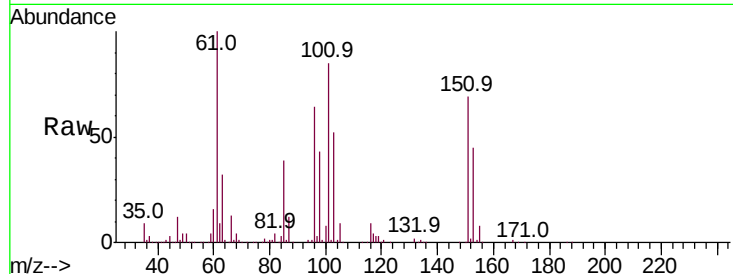
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	166487
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.4
151	82.8	65.0	97.6

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#10

Methyl Iodide

Concen: 43.935 ug/l

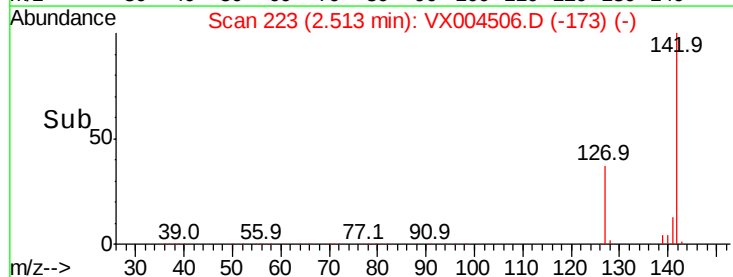
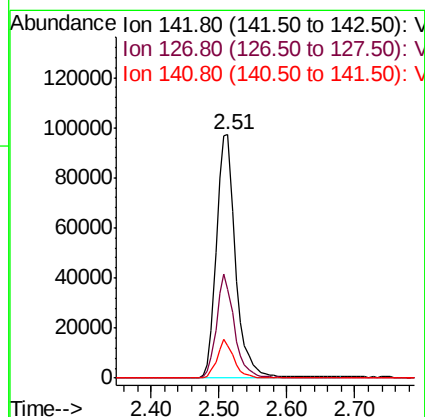
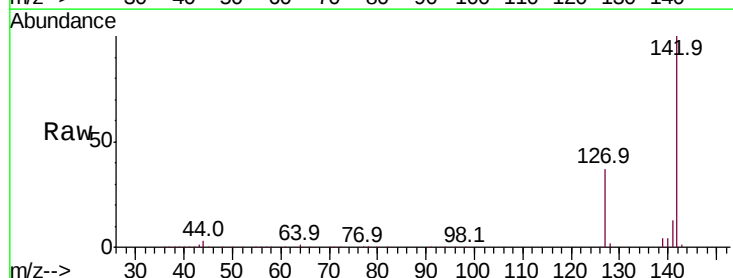
RT: 2.51 min Scan# 223

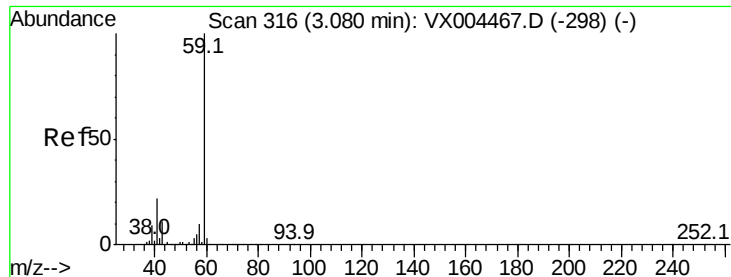
Delta R.T. 0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Tgt Ion:	142	Resp:	191590
Ion Ratio	Lower	Upper	
142	100		
127	39.7	33.8	50.6
141	14.1	11.4	17.0





#11

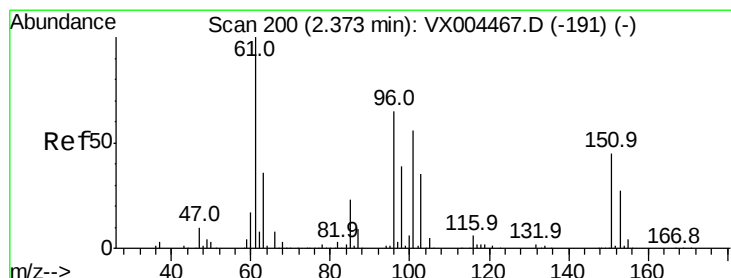
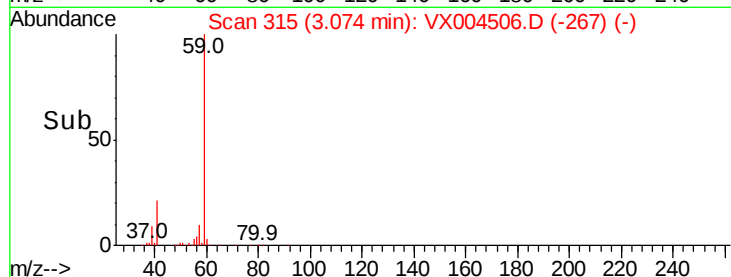
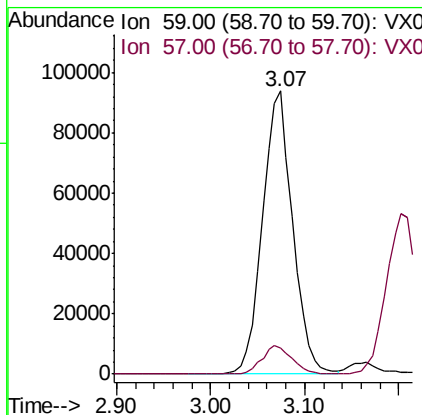
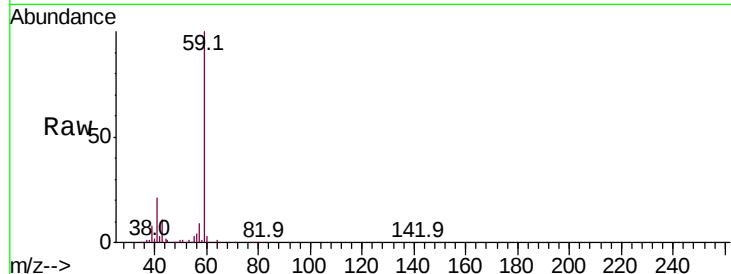
Tert butyl alcohol
 Concen: 206.028 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

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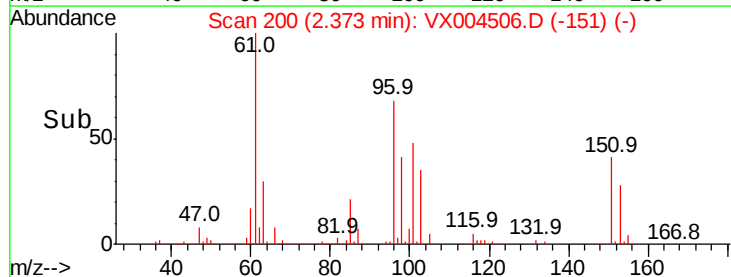
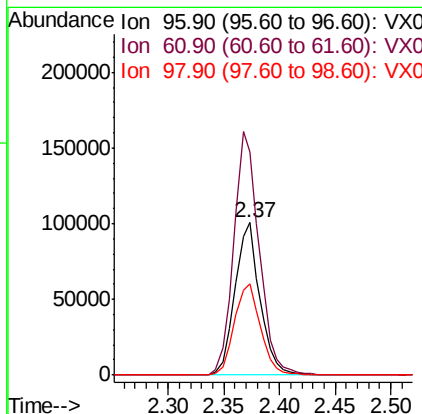
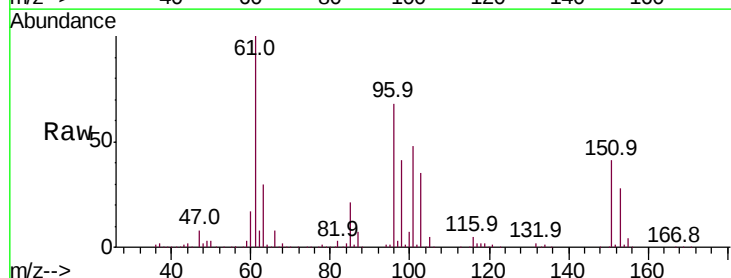
MMDadoda
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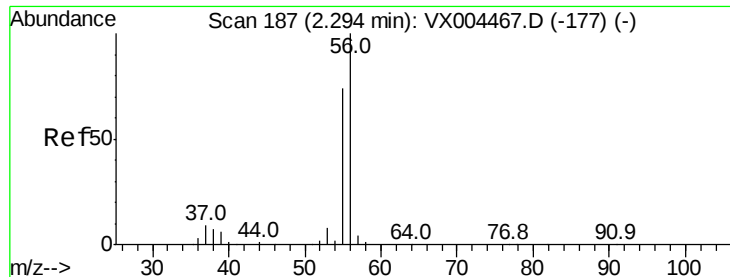


#12

1,1-Dichloroethene
 Concen: 45.102 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.2	128.8	193.2
98	59.8	52.2	78.2





#13

Acrolein

Concen: 185.165 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 74650

Ion Ratio Lower Upper

56 100

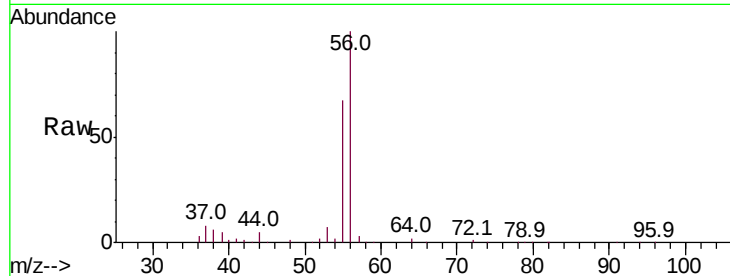
55 69.9 54.7 82.1

Manual Integrations

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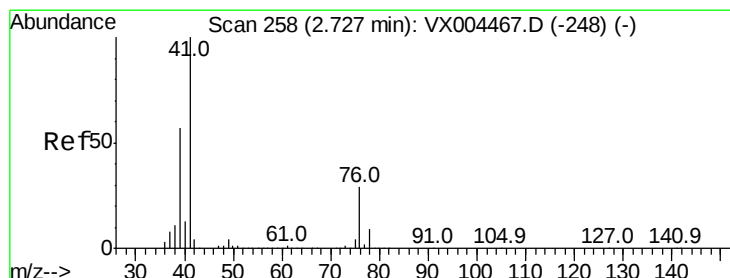
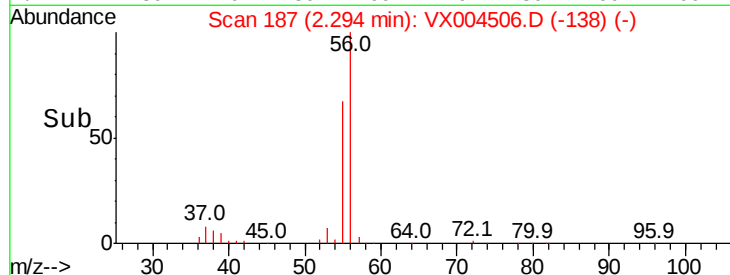
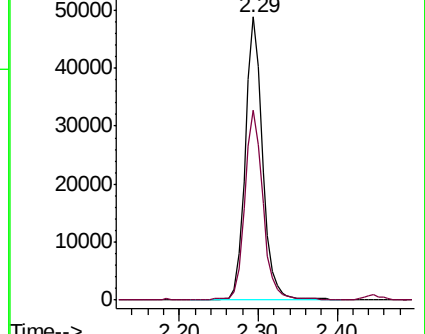
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 42.586 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

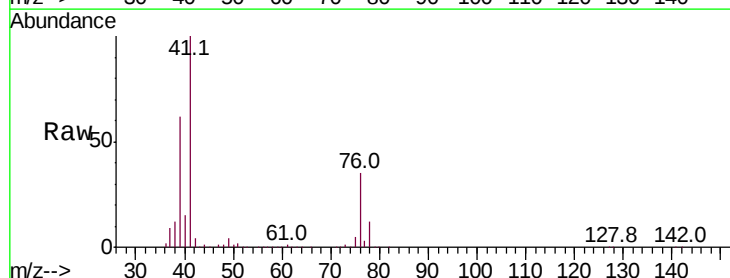
Tgt Ion: 41 Resp: 303668

Ion Ratio Lower Upper

41 100

39 58.4 48.9 73.3

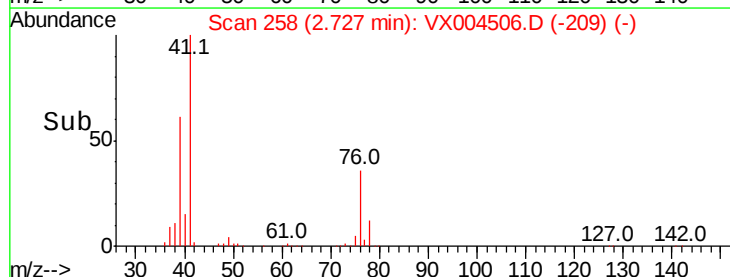
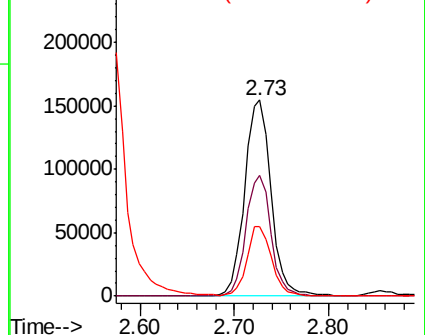
76 33.1 26.7 40.1

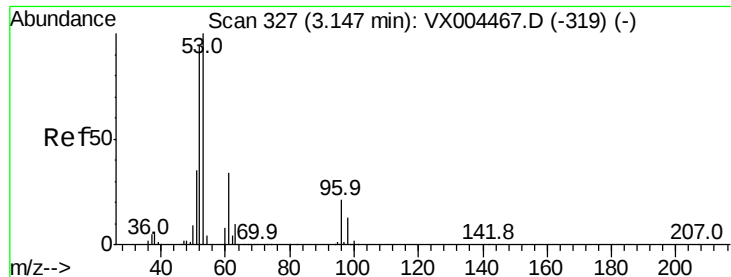


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 212.994 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

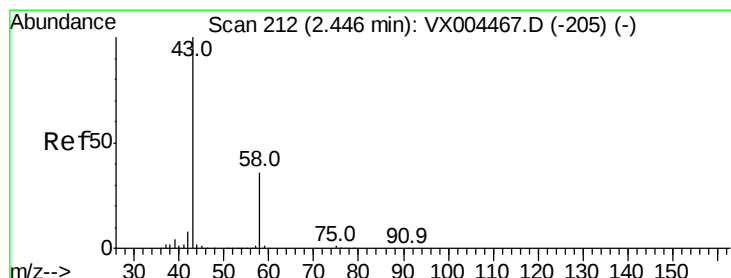
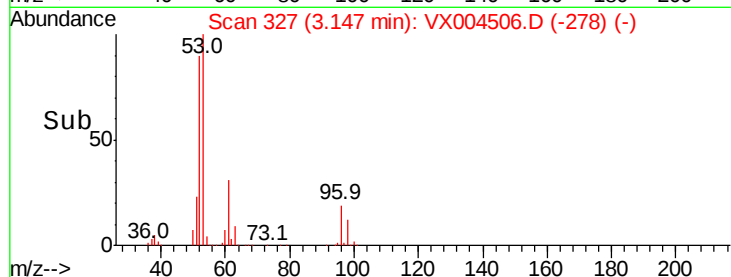
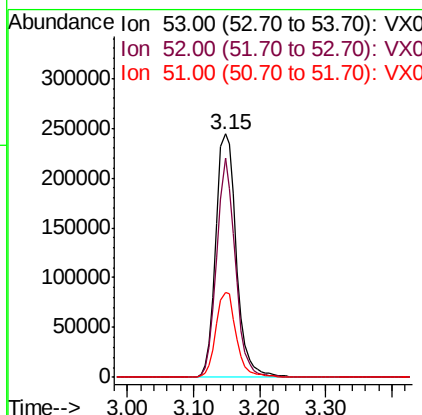
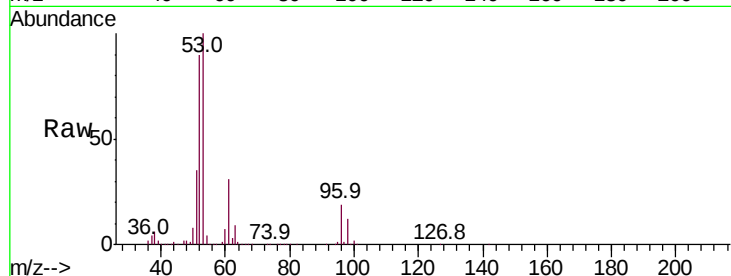
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	523844
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.2	97.8
51	34.6	28.2	42.2

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#16

Acetone

Concen: 197.804 ug/l

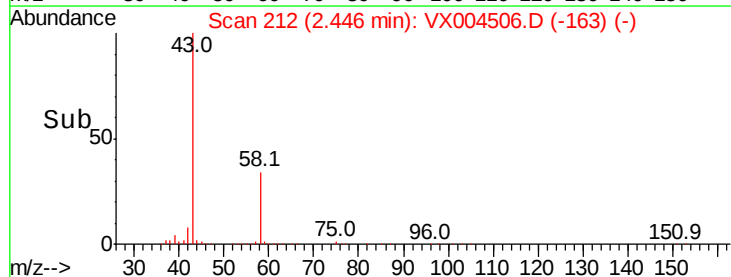
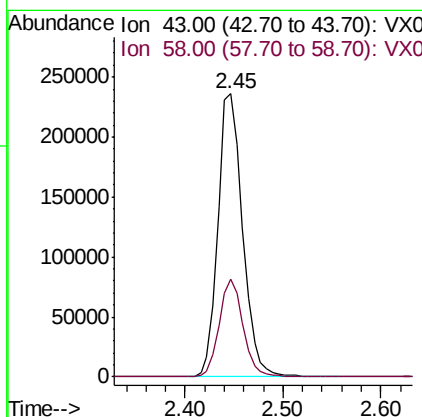
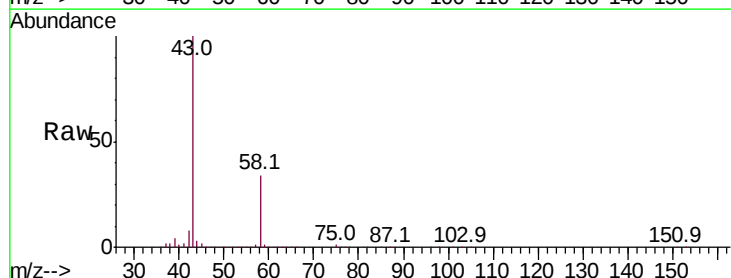
RT: 2.45 min Scan# 212

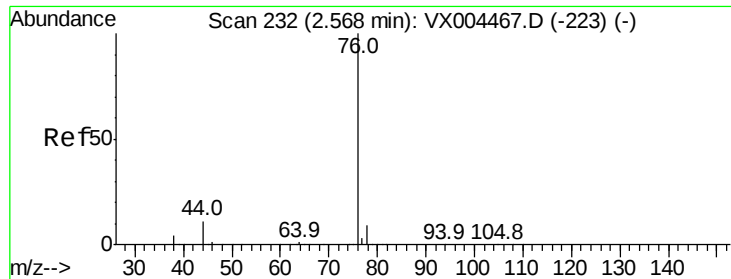
Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Tgt Ion:	43	Resp:	413219
Ion Ratio	Lower	Upper	
43	100		
58	34.4	26.2	39.4





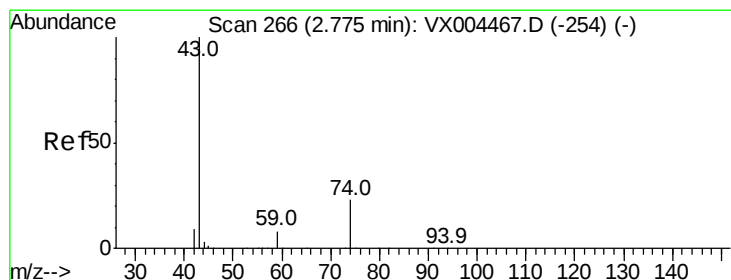
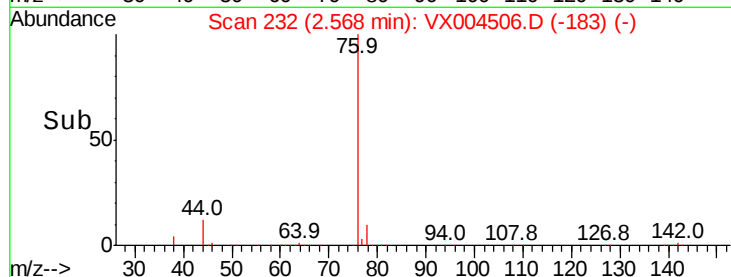
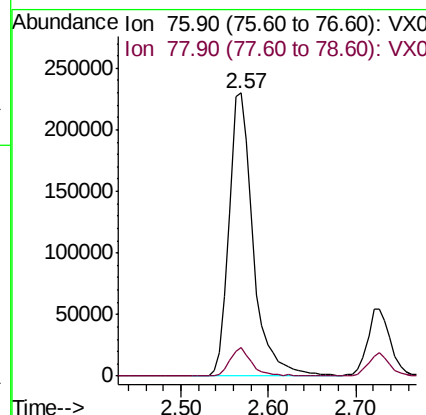
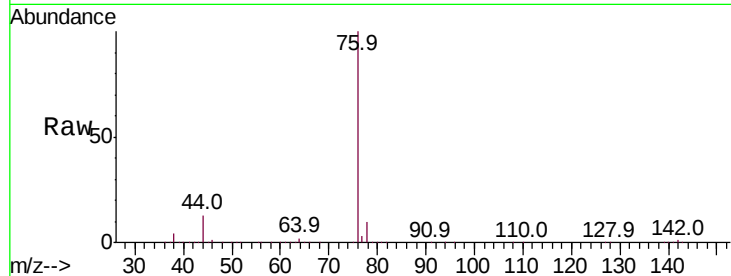
#17
Carbon Disulfide
Concen: 43.920 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

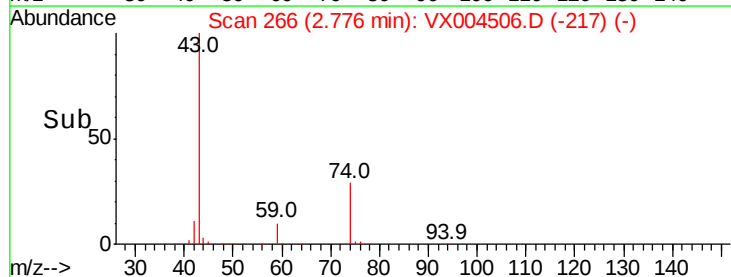
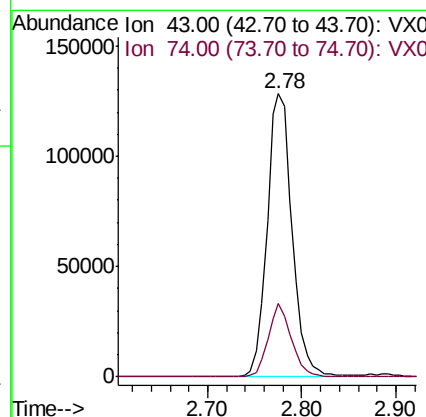
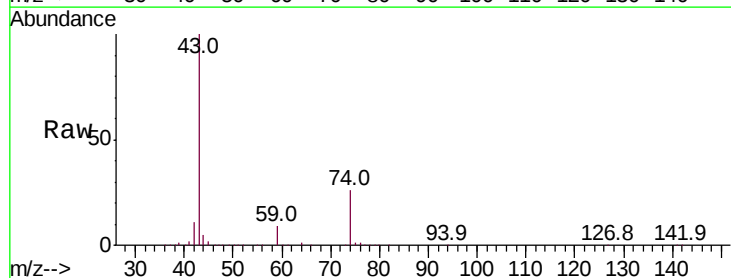
Manual Integrations
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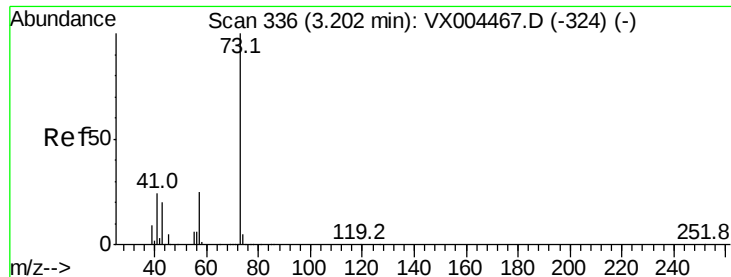
MMDadoda
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#18
Methyl Acetate
Concen: 40.744 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.2





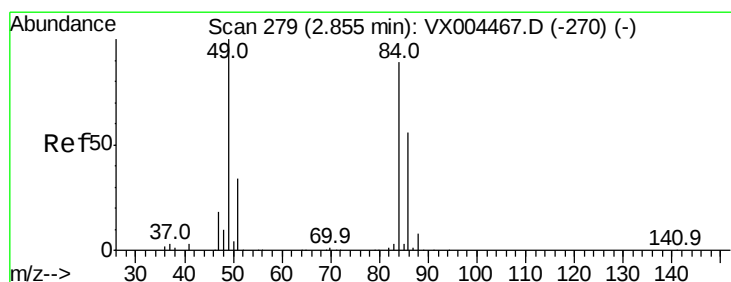
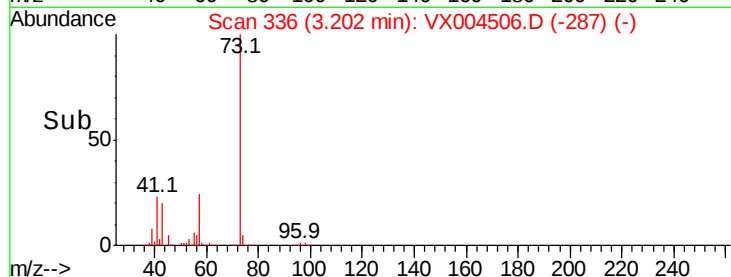
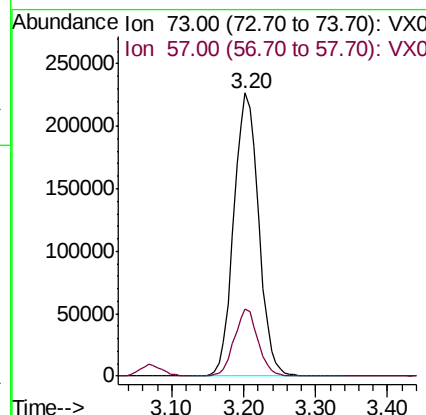
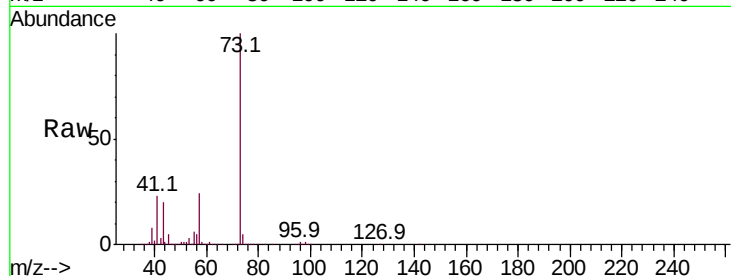
#19
Methvl tert-butvl Ether
Concen: 44.657 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	17.1	25.7

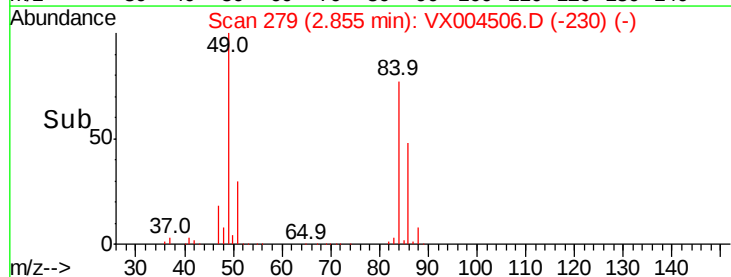
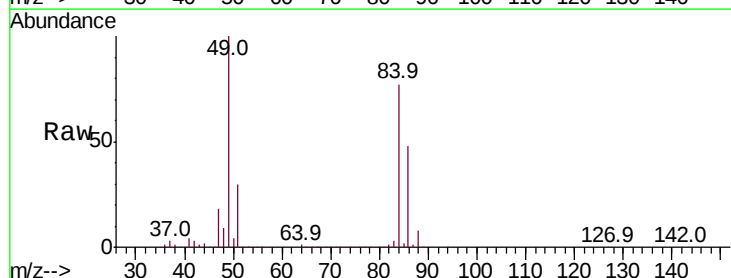
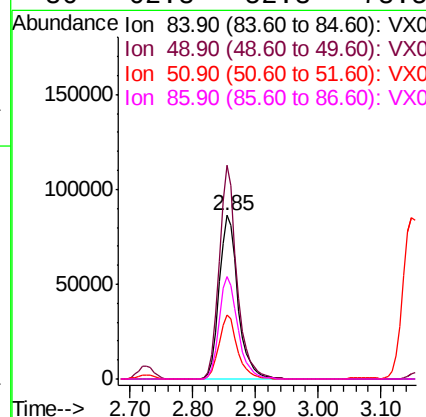
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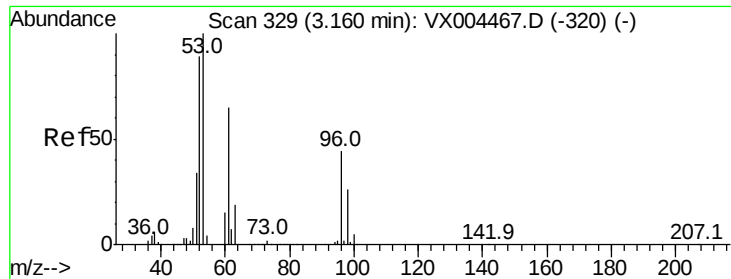
MMDadoda
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#20
Methylene Chloride
Concen: 41.560 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.7	101.2	151.8
51	39.2	29.5	44.3
86	62.8	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 43.950 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

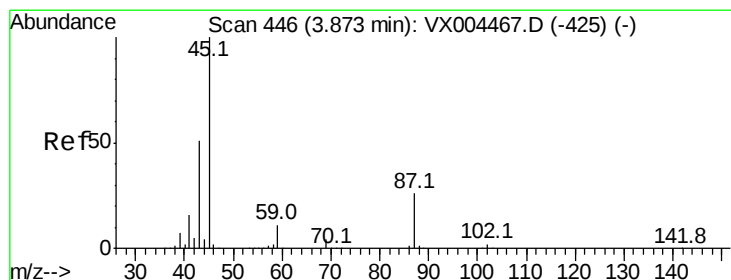
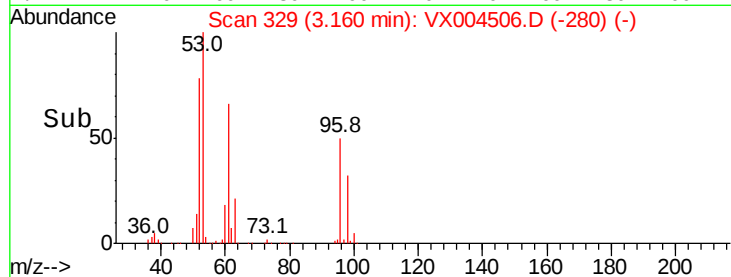
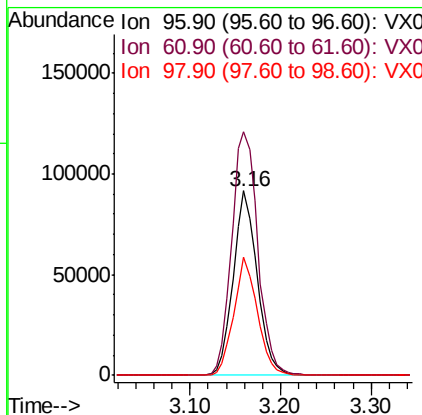
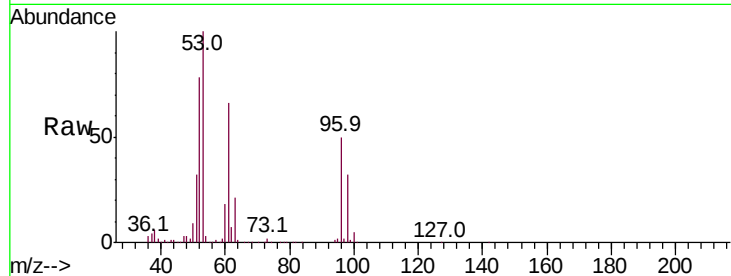
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	168446
Ion	Ratio	Lower	Upper
96	100		
61	132.1	113.8	170.6
98	64.3	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.783 ug/l

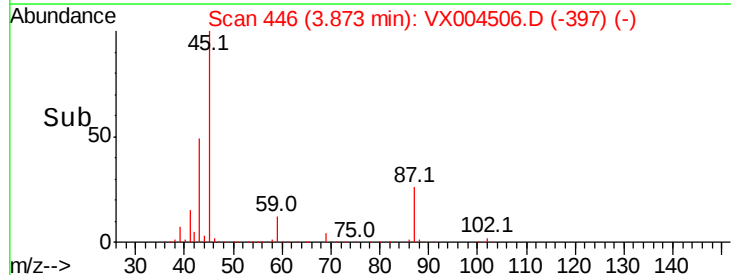
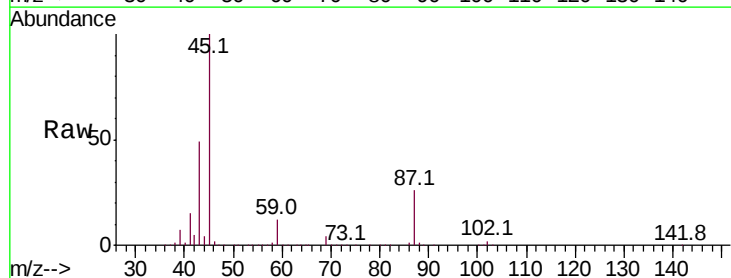
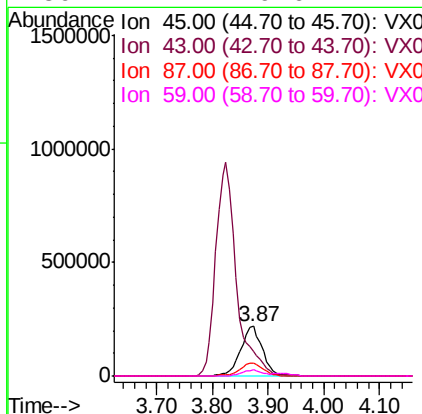
RT: 3.87 min Scan# 446

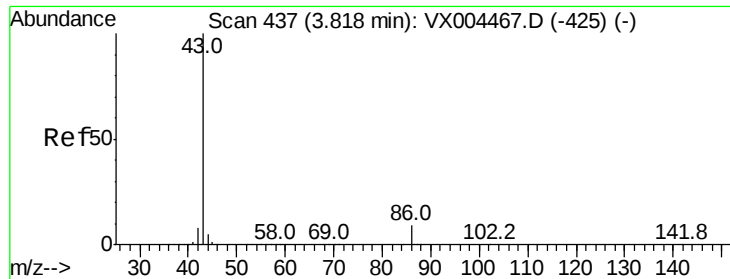
Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Tgt Ion:	45	Resp:	587980
Ion	Ratio	Lower	Upper
45	100		
43	48.7	42.8	64.2
87	25.6	22.6	34.0
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 235.150 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 2443910

Ion Ratio Lower Upper

43 100

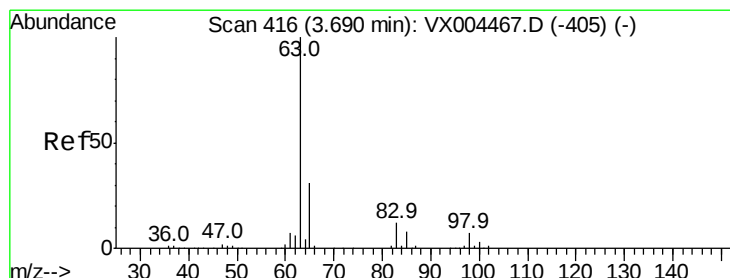
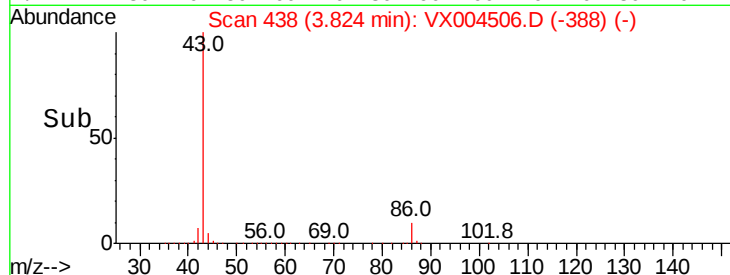
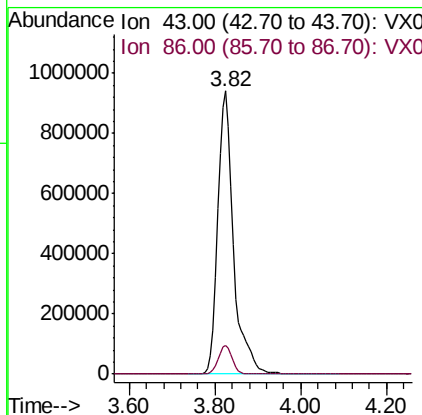
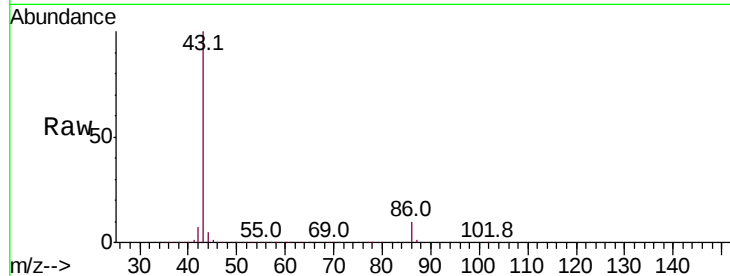
86 10.3 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.223 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

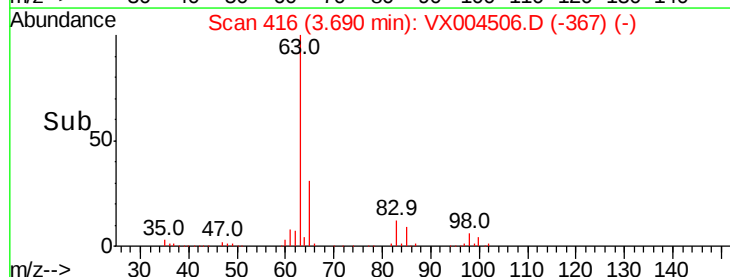
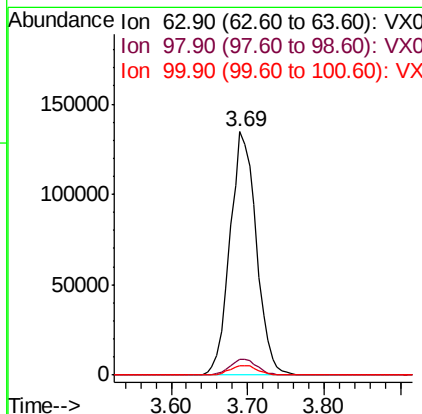
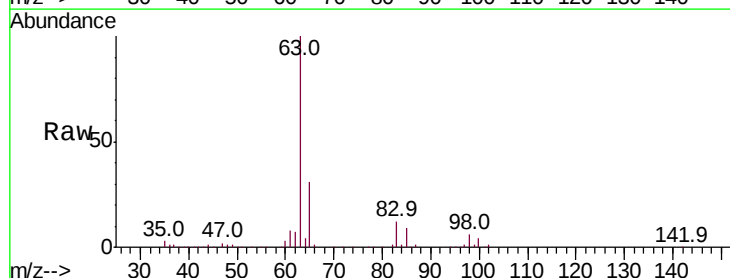
Tgt Ion: 63 Resp: 320655

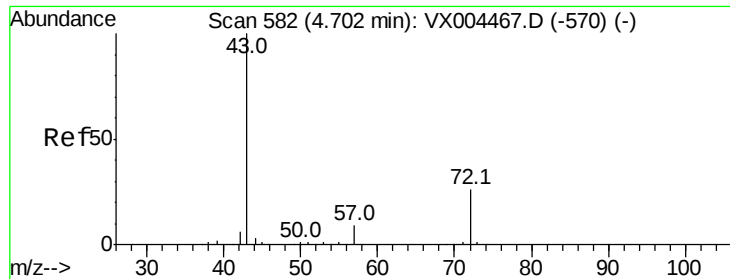
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 3.9 2.4 7.1





#25

2-Butanone

Concen: 198.923 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 661366

Ion Ratio Lower Upper

43 100

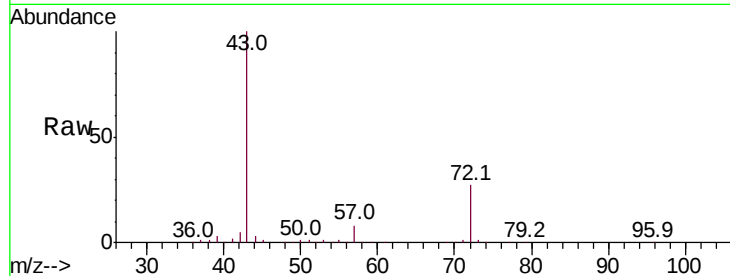
72 27.1 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

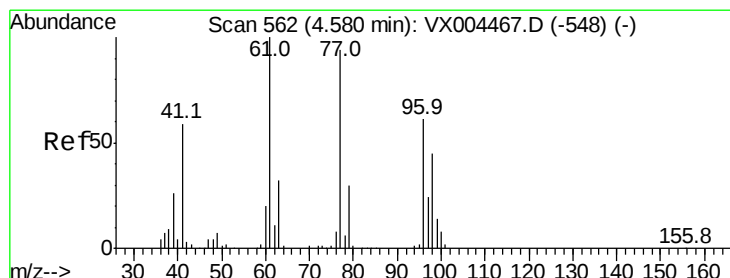
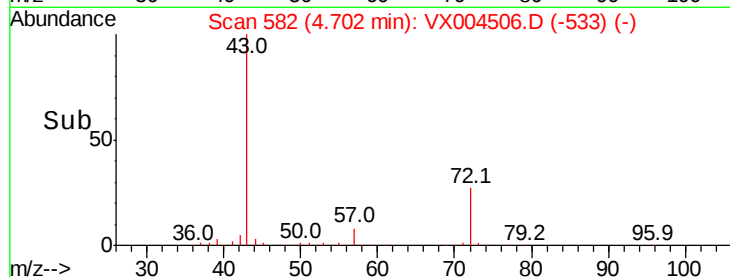
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 50.629 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004506.D

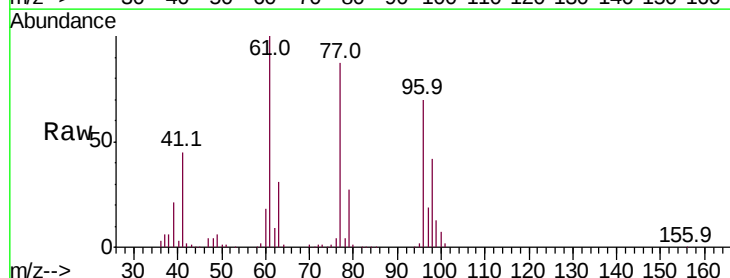
Acq: 13 Sep 2018 10:17

Tgt Ion: 77 Resp: 252137

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

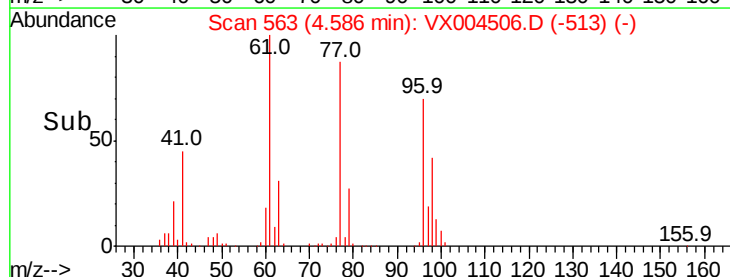
40000

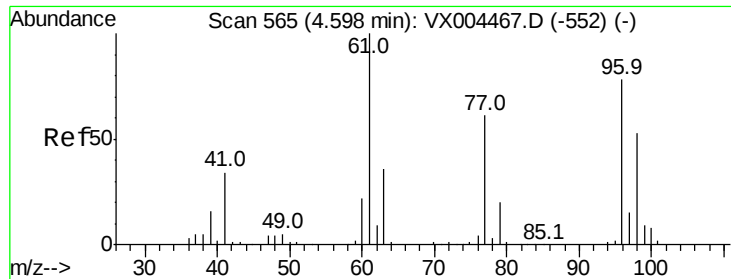
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

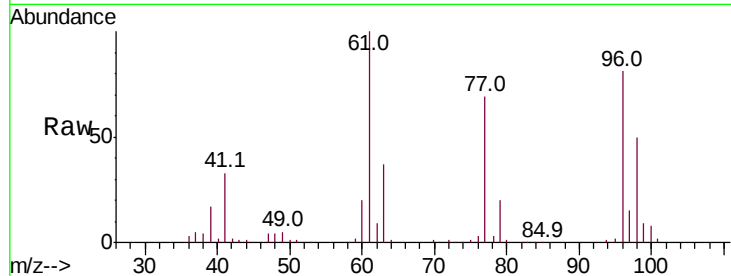
cis-1,2-Dichloroethene
Concen: 44.935 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

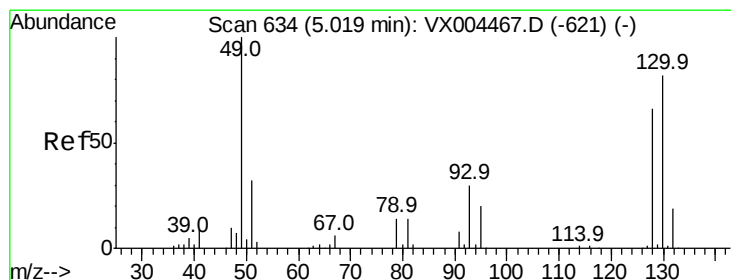
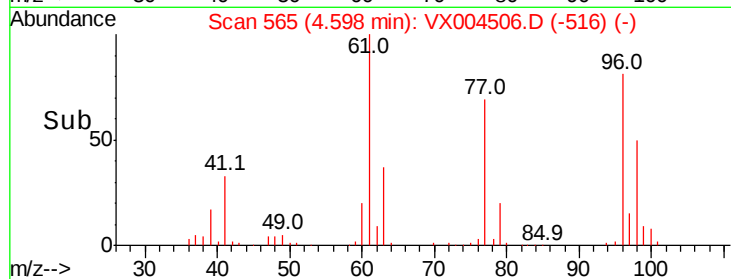
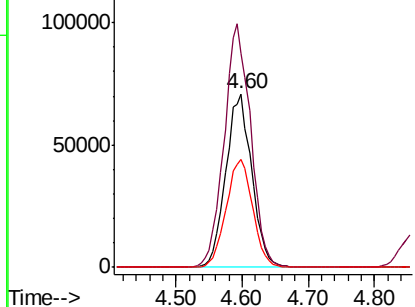
Tot Ion	Ratio	Resp	Lower	Upper
96	100	192253		
61	143.5	0.0	282.6	
98	63.6	0.0	130.2	

Manual Integrations
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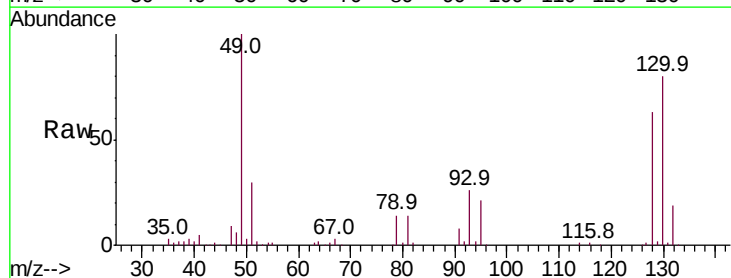
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



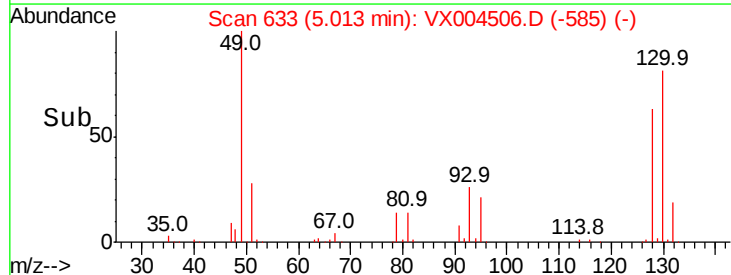
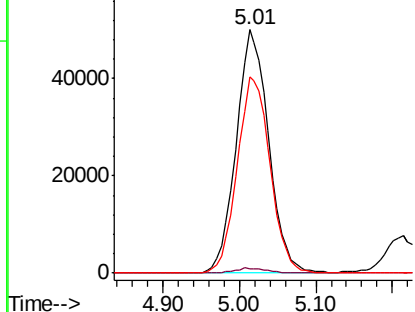
#28

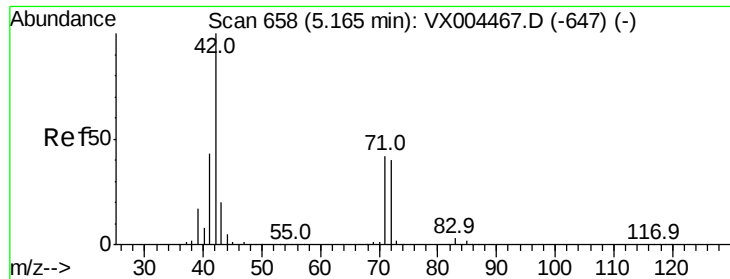
Bromochloromethane
Concen: 44.396 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	147245		
129	2.0	0.0	4.2	
130	81.8	67.5	101.3	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





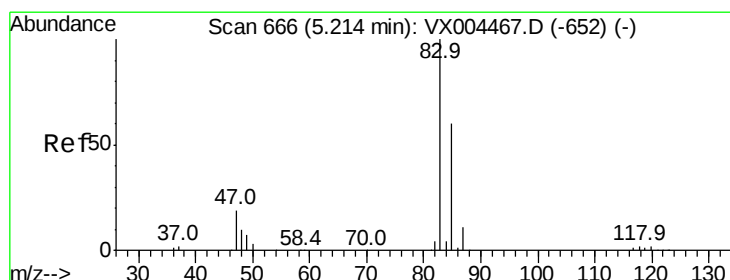
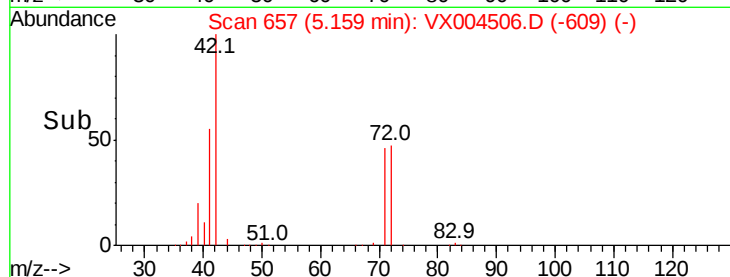
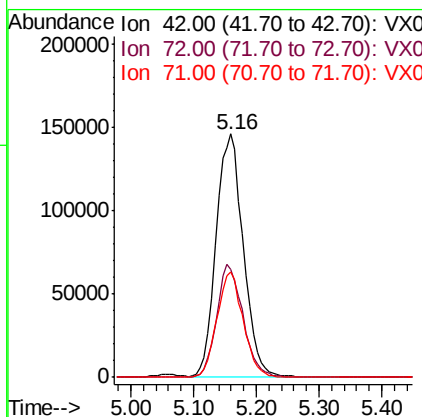
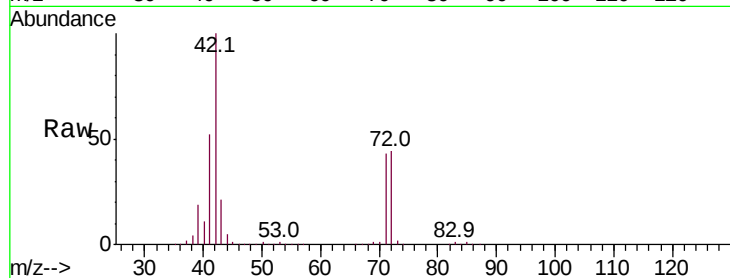
#29
Tetrahydrofuran
Concen: 217.601 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.4	56.0
71	42.1	34.5	51.7

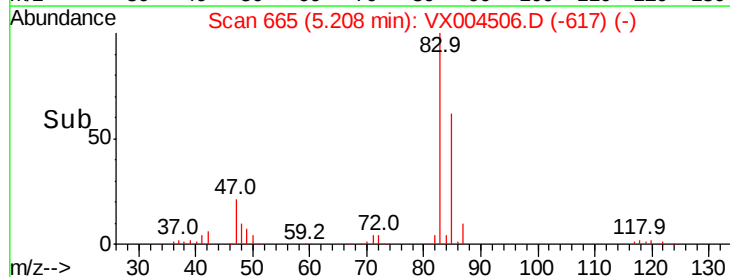
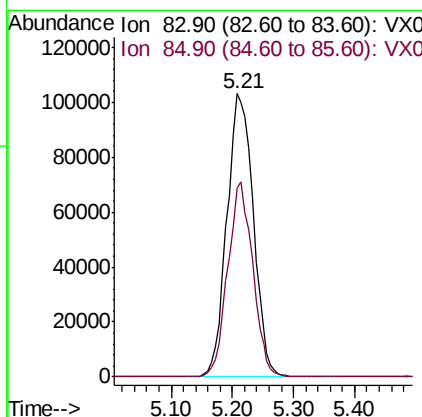
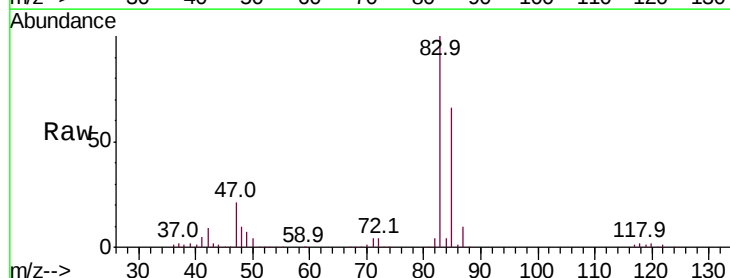
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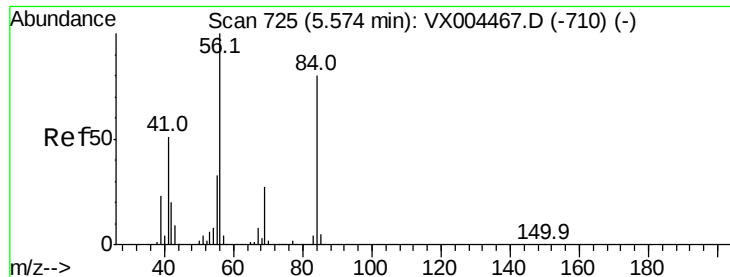
MMDadoda
9/15/2018 11:23:38 AM



#30
Chloroform
Concen: 43.303 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.6	79.0





#31

Cyclohexane

Concen: 47.768 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 295749

Ion Ratio Lower Upper

56 100

69 27.5 25.4 38.2

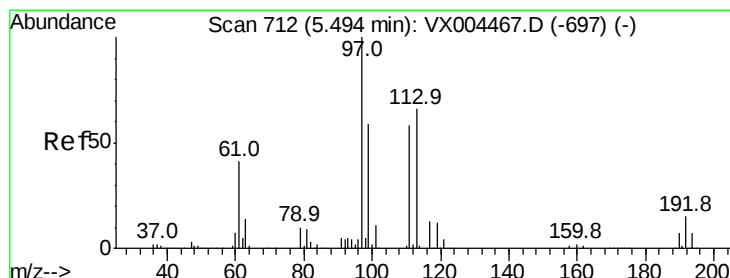
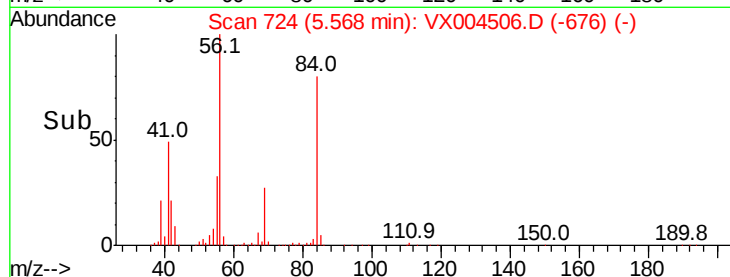
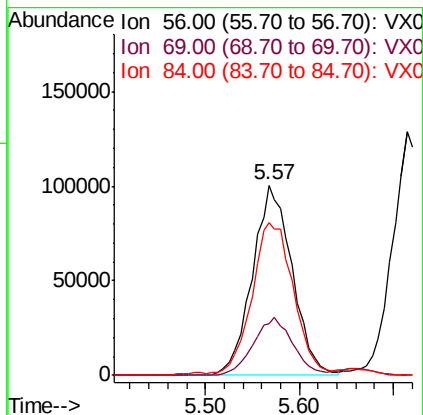
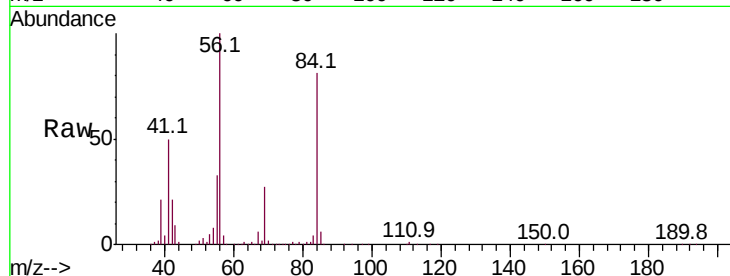
84 79.6 71.4 107.2

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#32

1,1,1-Trichloroethane

Concen: 46.438 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

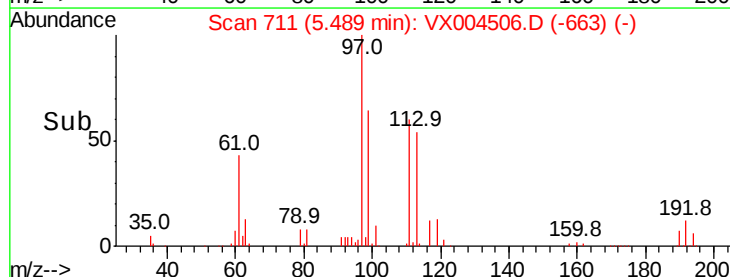
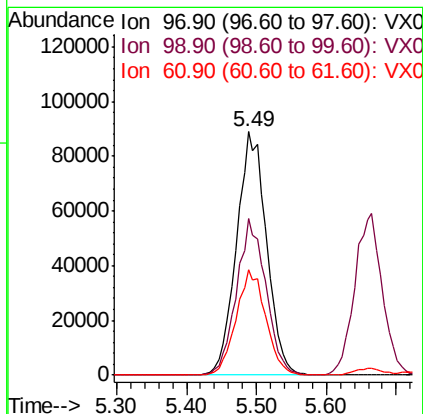
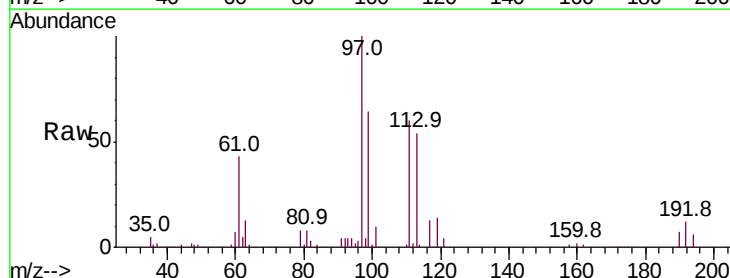
Tgt Ion: 97 Resp: 264766

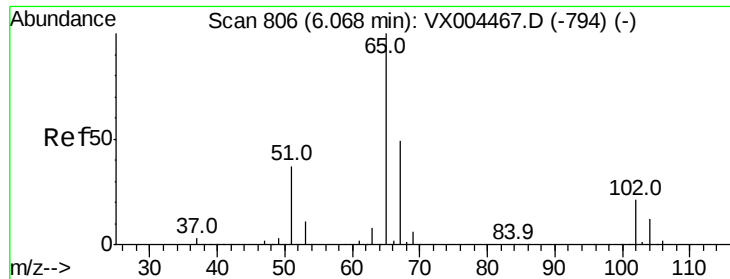
Ion Ratio Lower Upper

97 100

99 62.8 52.0 78.0

61 42.8 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 46.015 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Tot Ion: 65 Resp: 196951

Ion Ratio Lower Upper

65 100

67 53.9 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

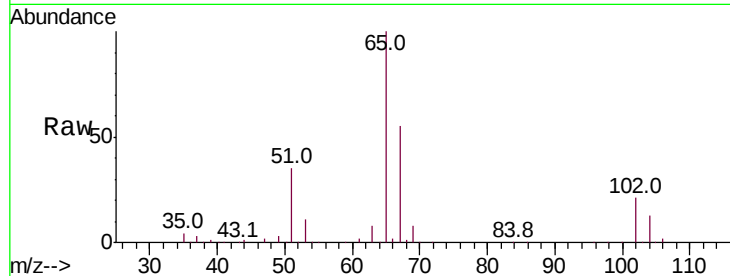
VSTDCCC050

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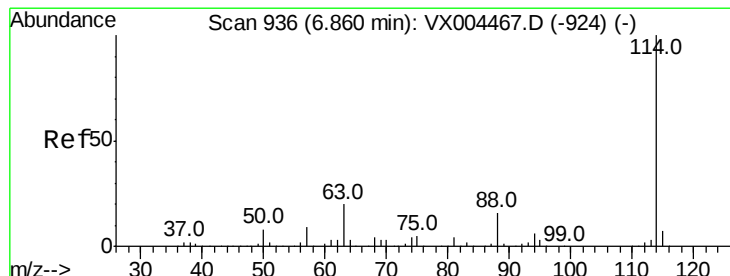
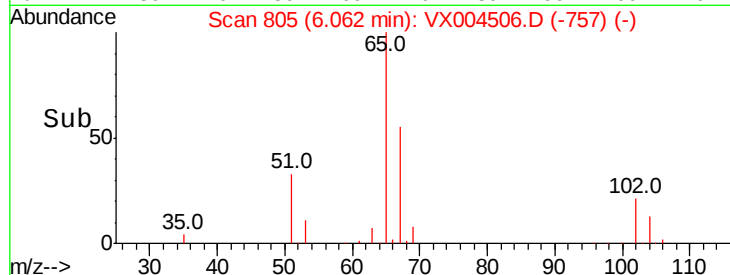
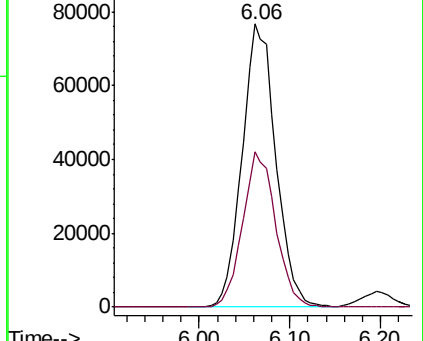
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

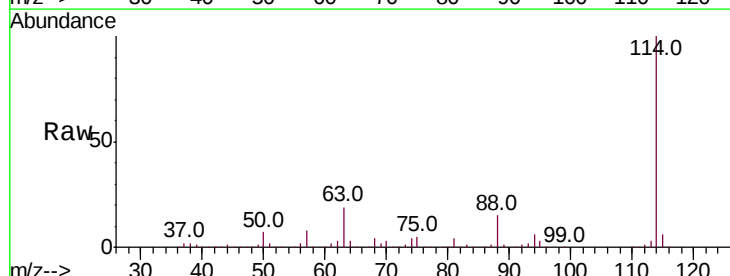
Tgt Ion:114 Resp: 400197

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

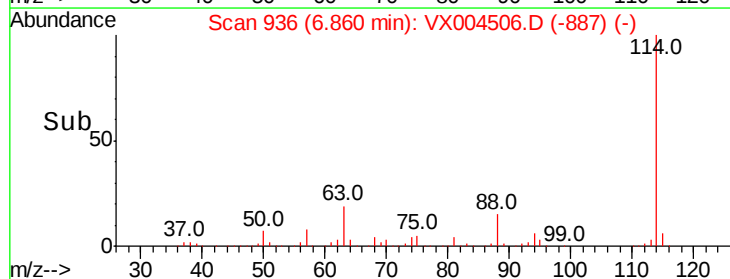
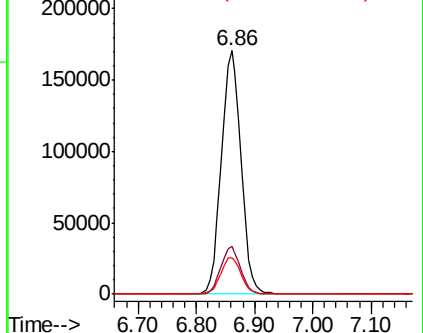
88 15.1 0.0 30.4

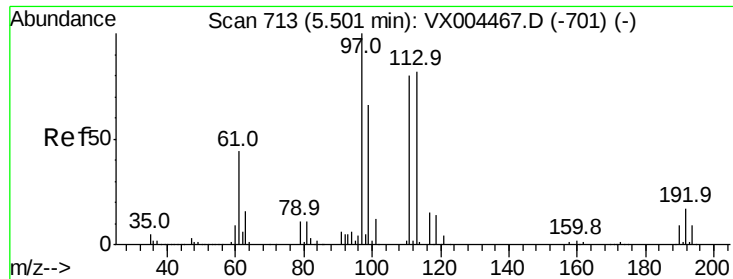


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





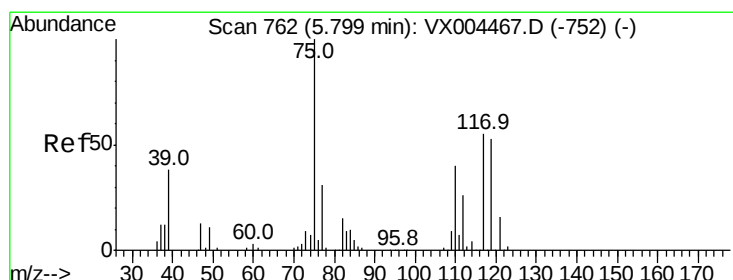
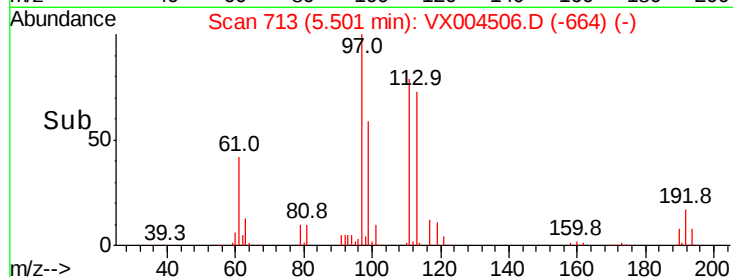
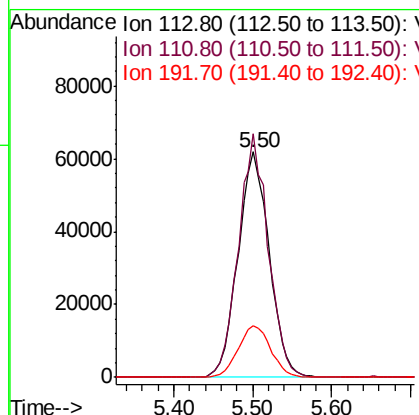
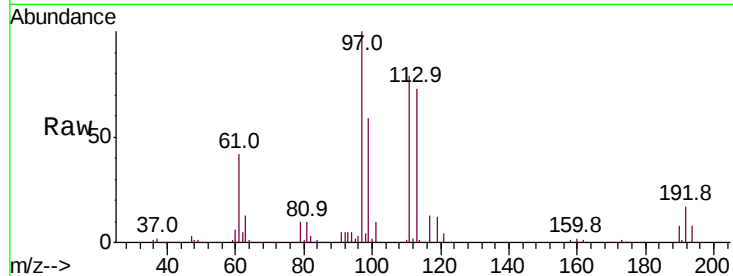
#35
 Dibromofluoromethane
 Concen: 46.595 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170638		
111	103.1	82.4	123.6	
192	23.8	19.4	29.2	

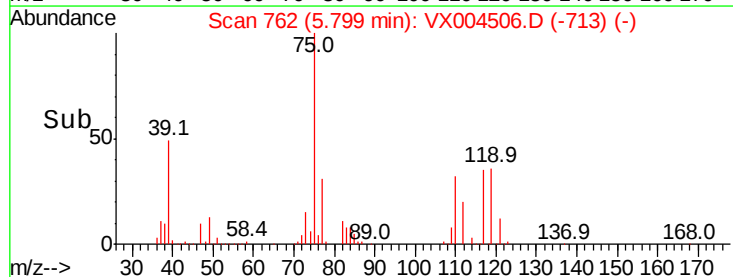
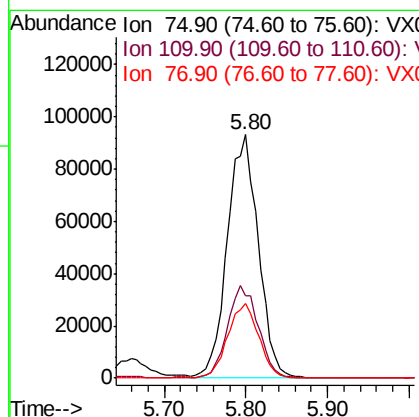
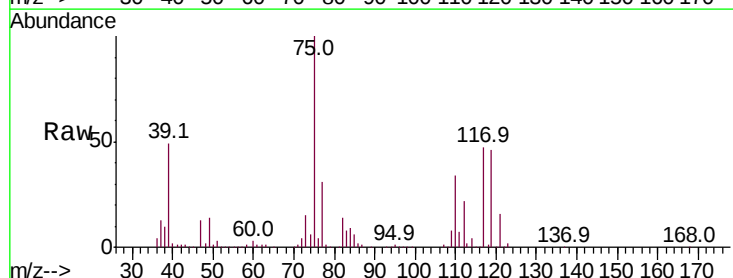
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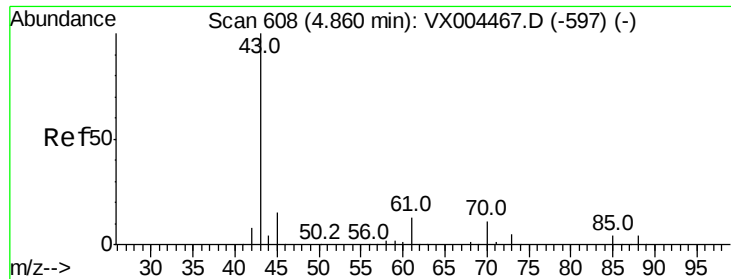
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#36
 1,1-Dichloropropene
 Concen: 50.165 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	243734		
110	37.7	18.0	54.0	
77	30.6	24.6	36.8	





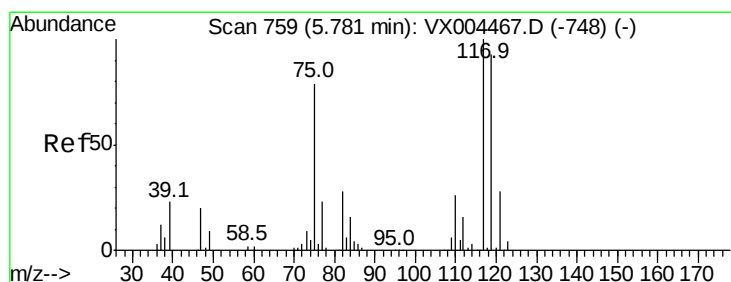
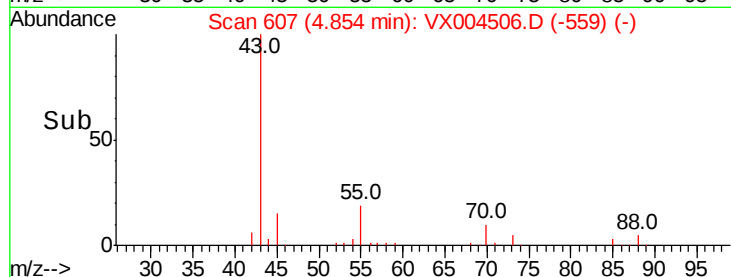
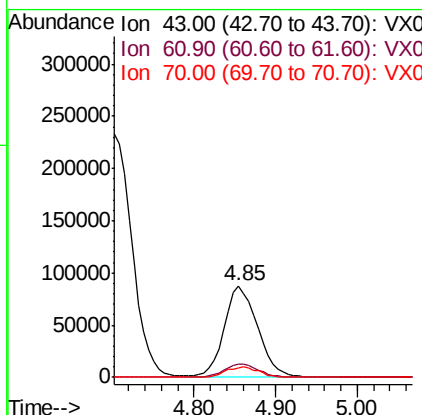
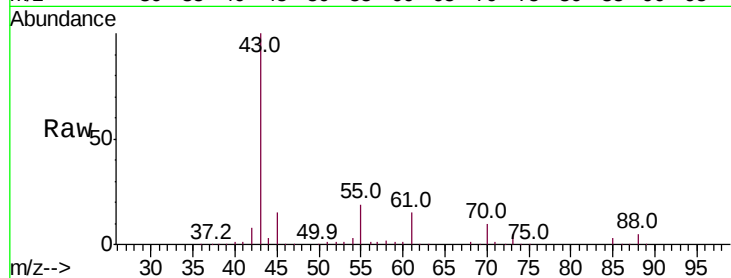
#37
Ethyl Acetate
Concen: 44.794 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.5	17.3
70	11.4	9.0	13.6

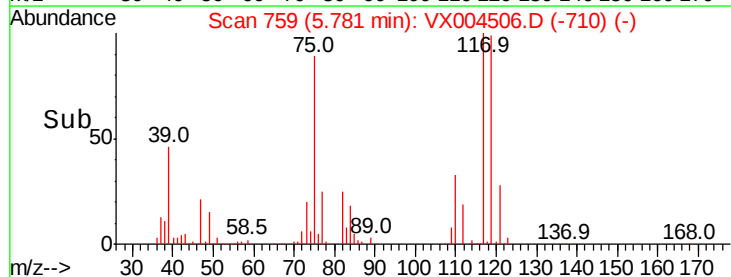
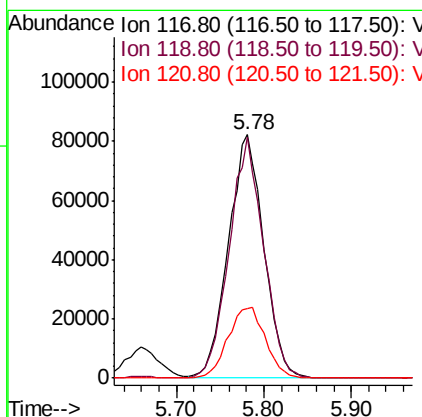
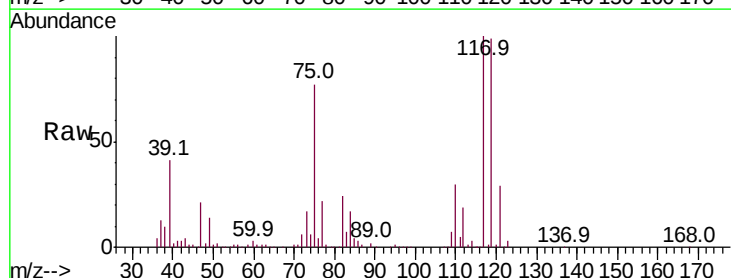
Manual Integrations
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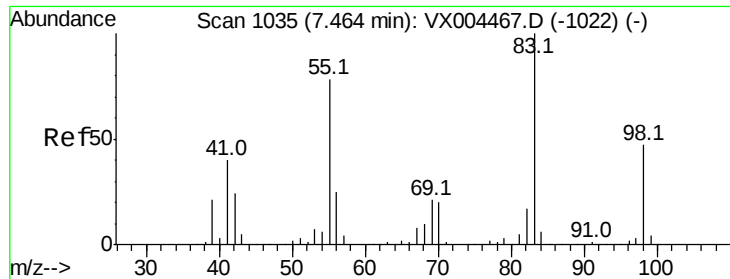
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.548 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	78.8	118.2
121	28.6	24.9	37.3





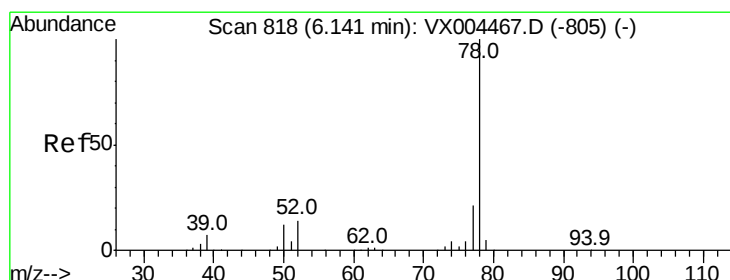
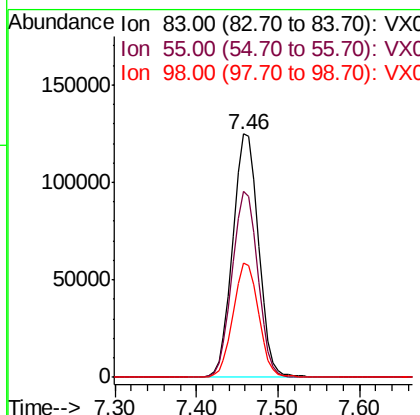
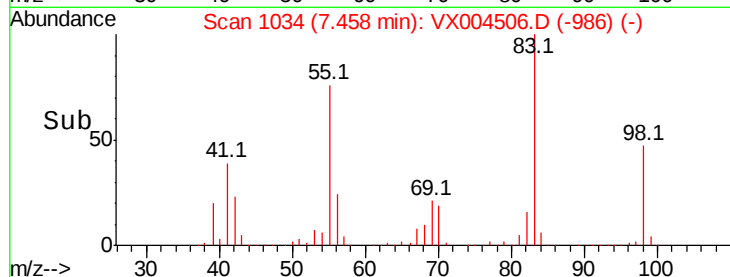
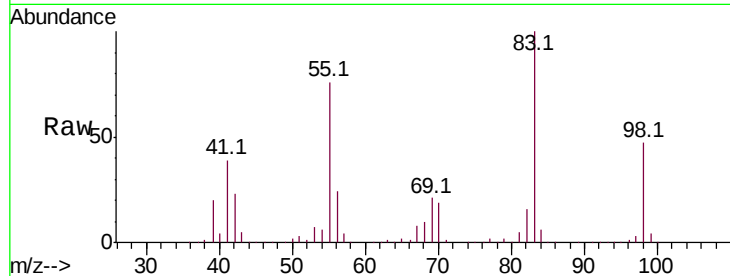
#39
Methvlcvclohexane
Concen: 53.578 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.4	61.0	91.4	
98	46.8	39.6	59.4	

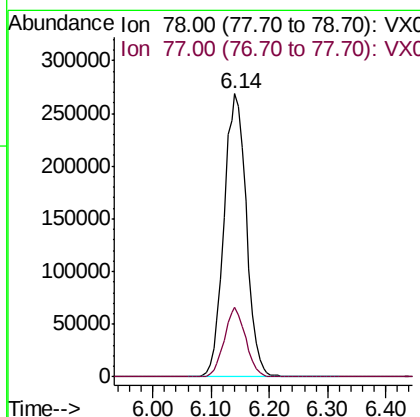
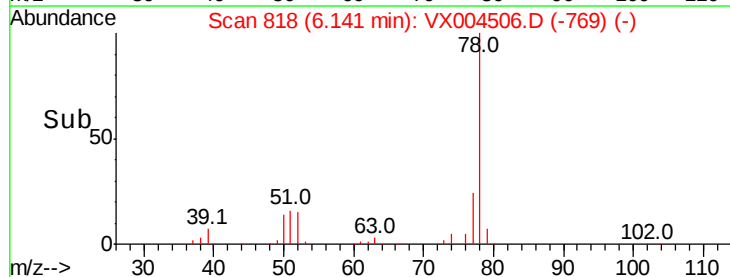
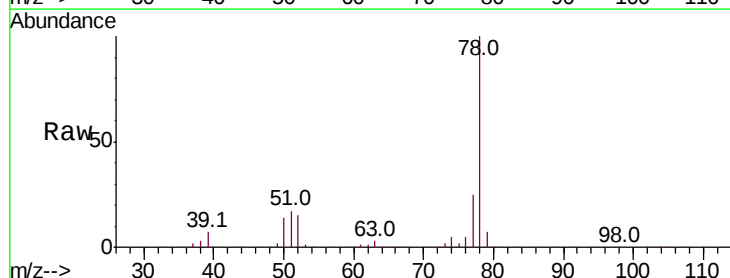
Manual Integrations
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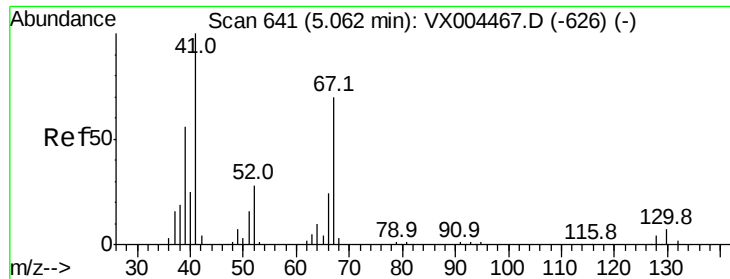
MMDadoda
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#40
Benzene
Concen: 49.731 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.5	19.0	28.4	





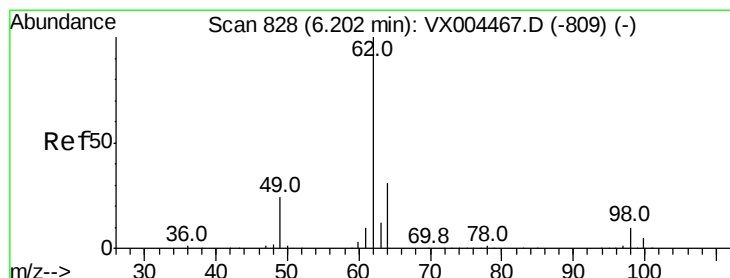
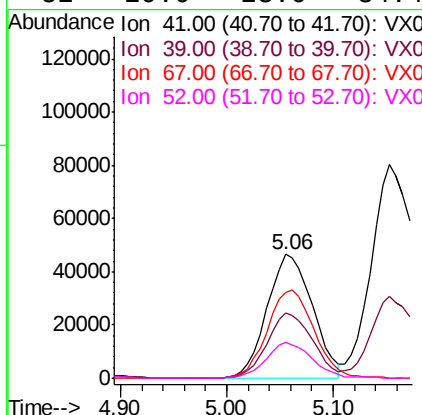
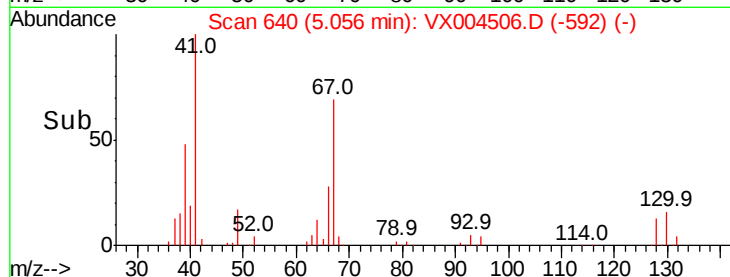
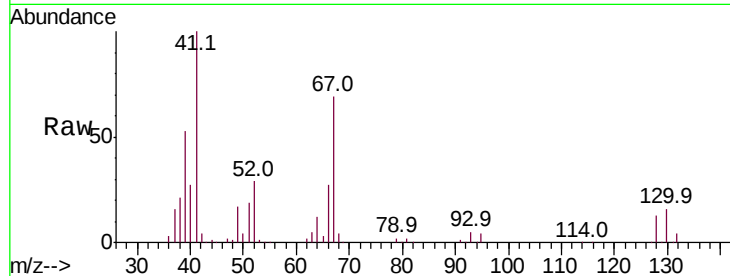
#41
Methacrylonitrile
Concen: 45.190 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	42.4	63.6	
67	73.7	59.2	88.8	
52	29.0	23.0	34.4	

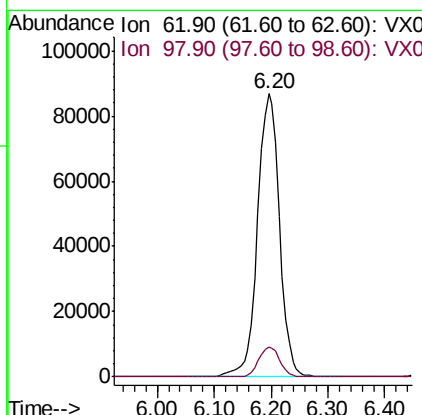
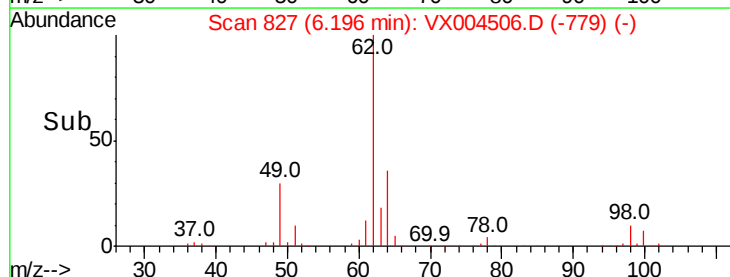
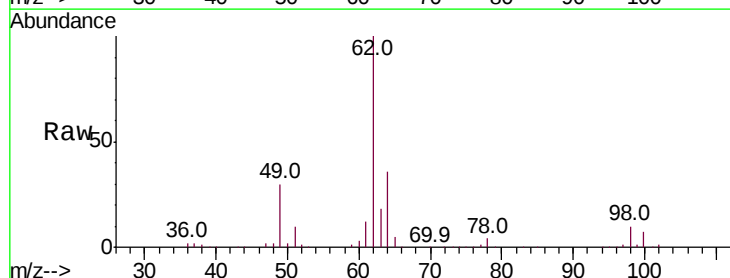
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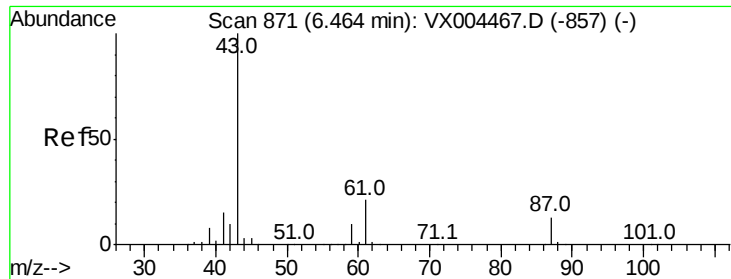
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.489 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.6	





#43

Isopropyl Acetate

Concen: 51.218 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

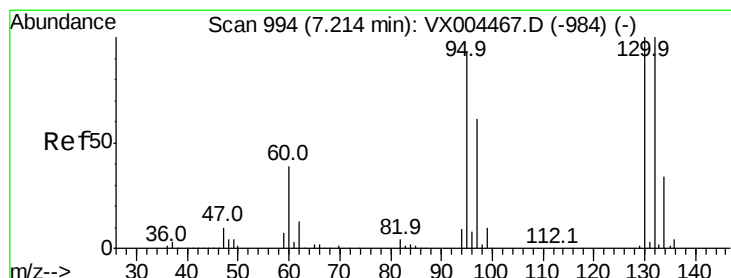
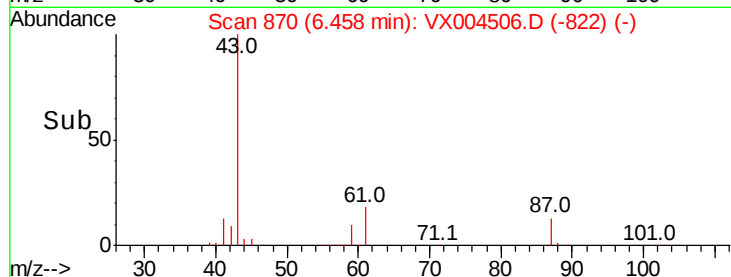
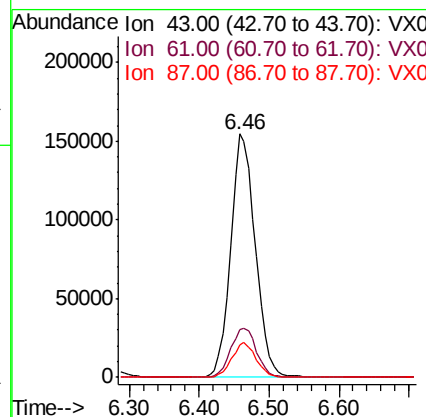
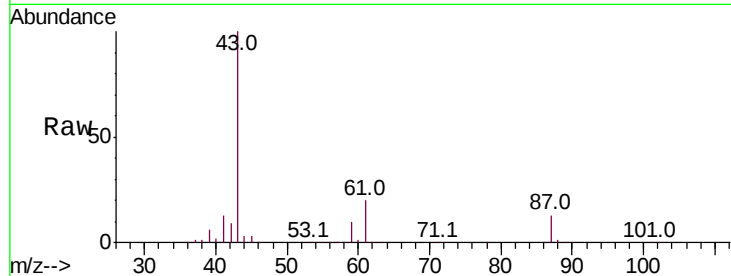
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	375915
Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.0	25.4
87	13.9	11.4	17.2

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#44

Trichloroethene

Concen: 48.590 ug/l

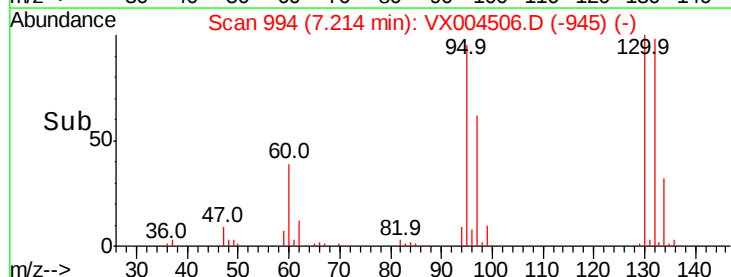
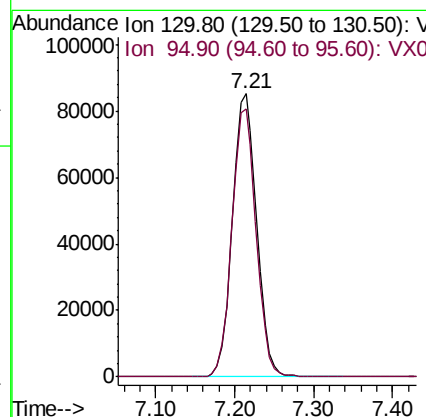
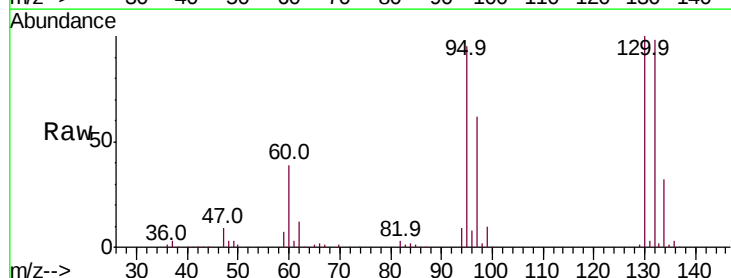
RT: 7.21 min Scan# 994

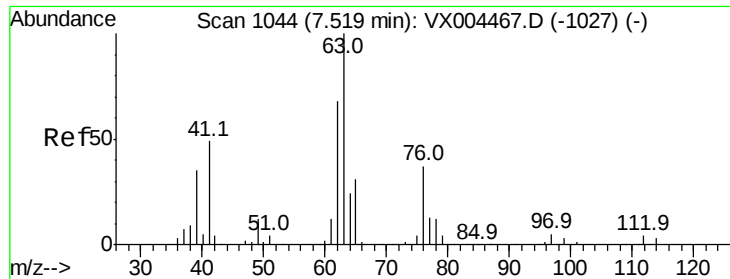
Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Tgt Ion:	130	Resp:	181979
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	181.6





#45

1,2-Dichloropropane

Concen: 47.996 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 166489

Ion Ratio Lower Upper

63 100

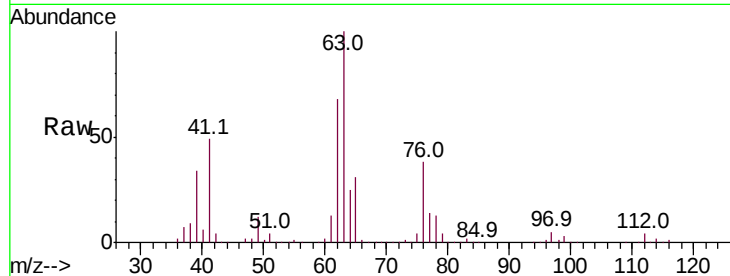
65 30.9 24.3 36.5

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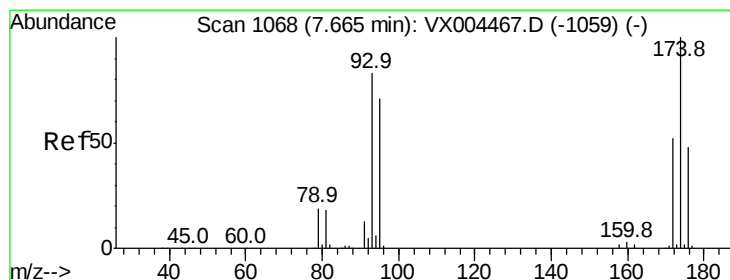
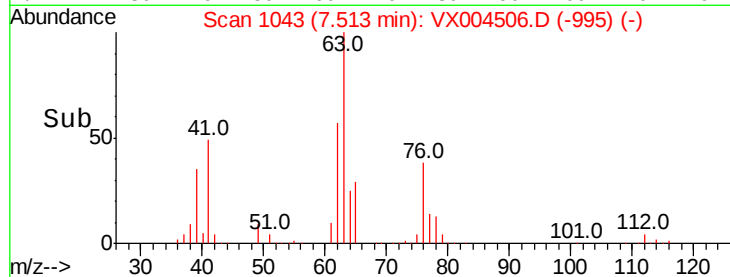
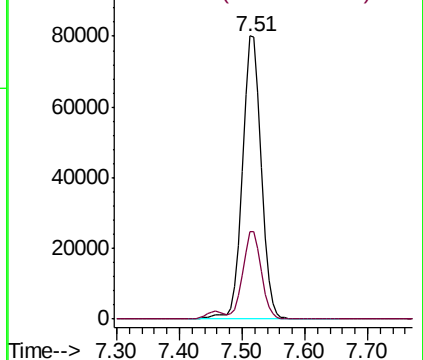
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.125 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

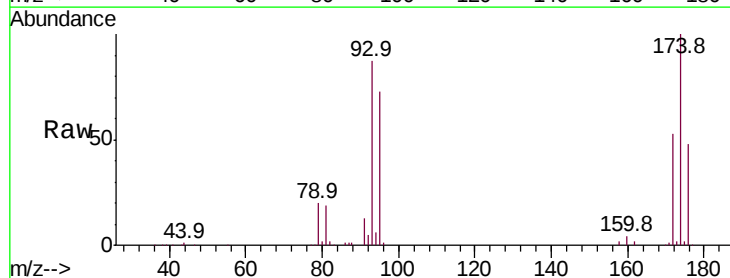
Tgt Ion: 93 Resp: 105461

Ion Ratio Lower Upper

93 100

95 82.6 65.5 98.3

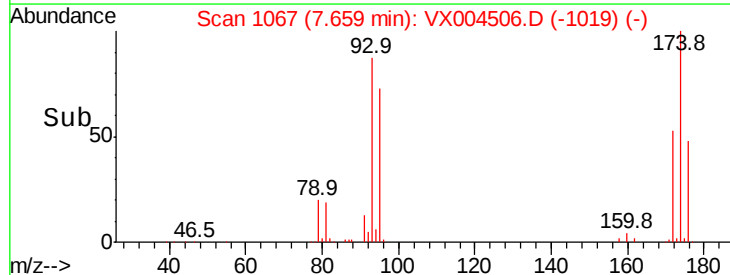
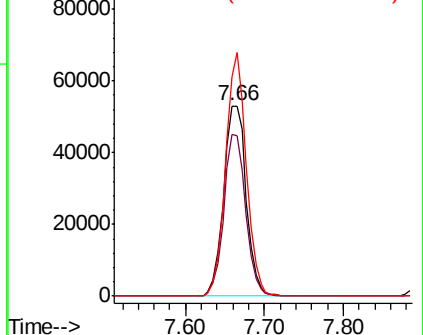
174 117.5 94.2 141.4

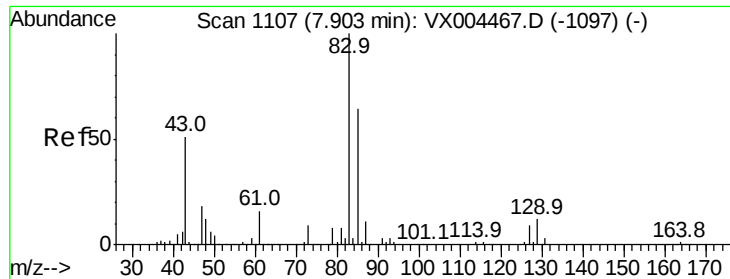


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.089 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

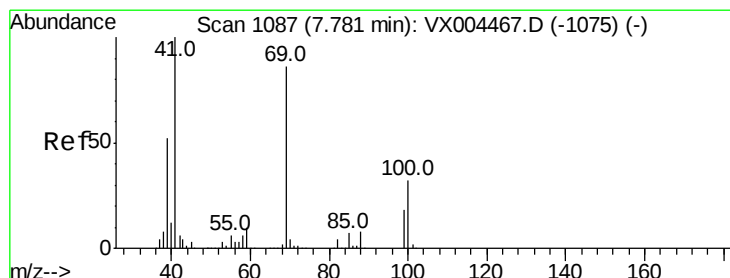
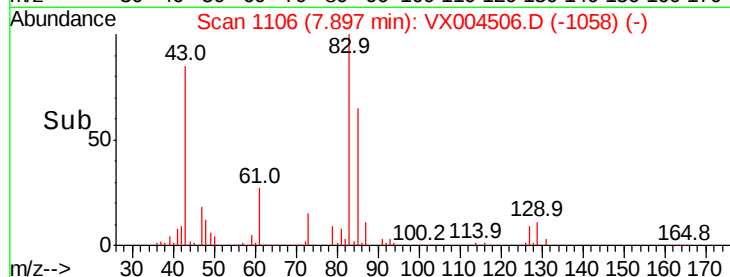
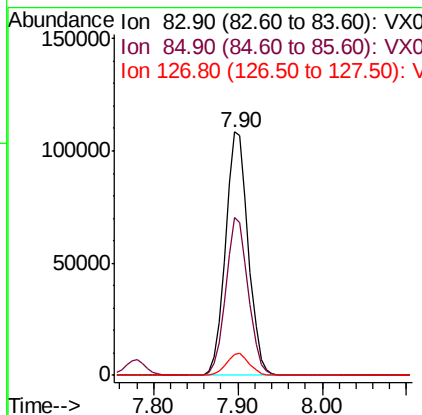
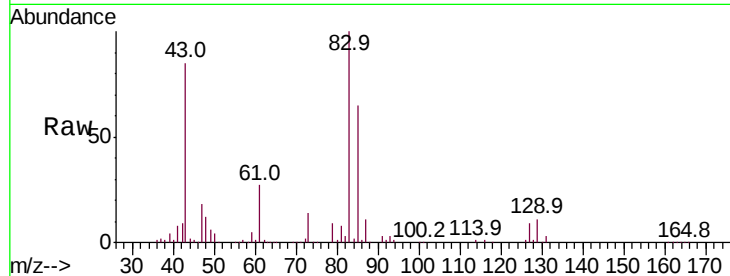
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	199291
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.9	76.3
127	8.8	7.3	10.9

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#48

Methyl methacrylate

Concen: 49.031 ug/l

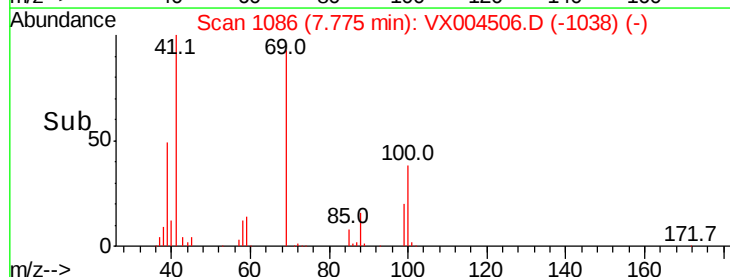
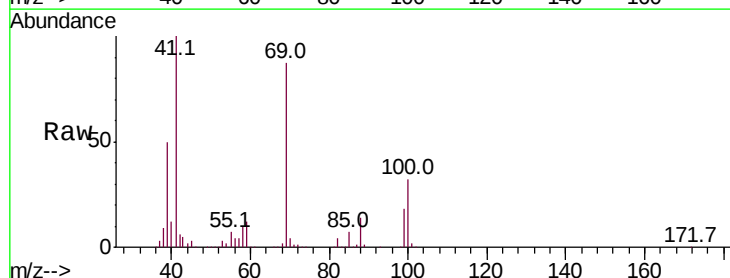
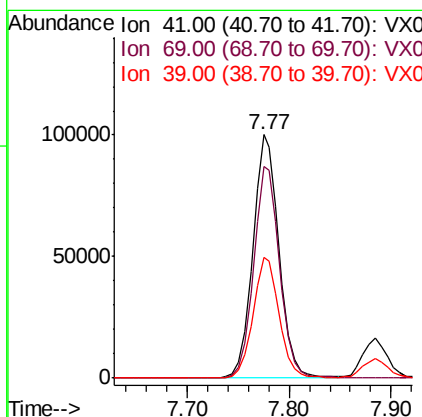
RT: 7.77 min Scan# 1086

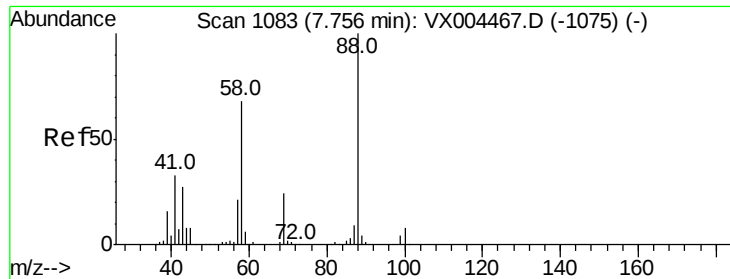
Delta R.T. -0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Tgt Ion:	41	Resp:	178093
Ion Ratio	Lower	Upper	
41	100		
69	87.3	70.2	105.4
39	49.5	42.7	64.1





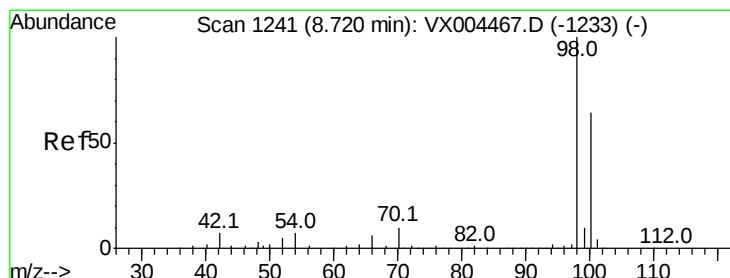
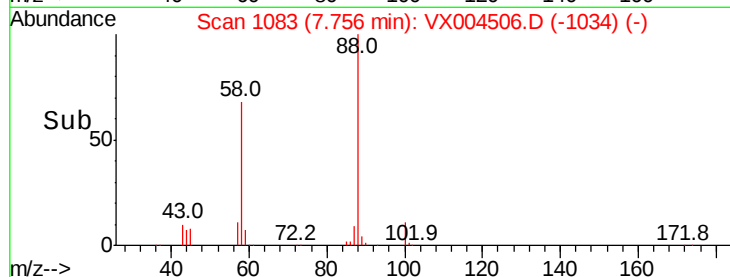
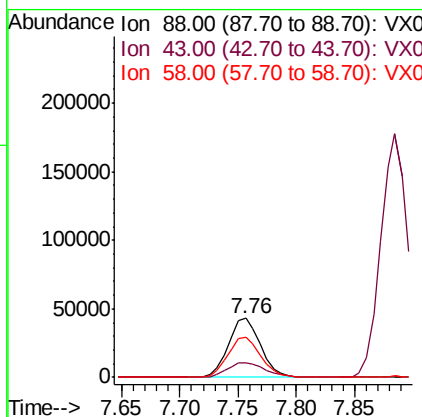
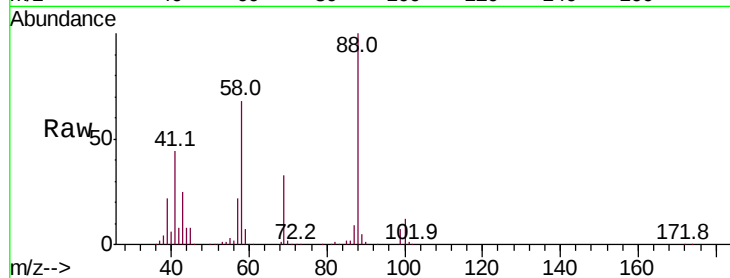
#49
1,4-Dioxane
Concen: 959.261 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.7	37.1
58	71.2	55.3	82.9

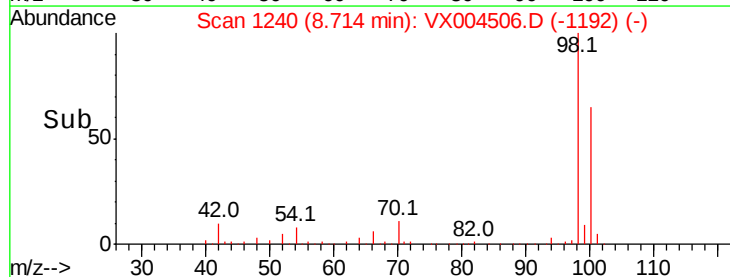
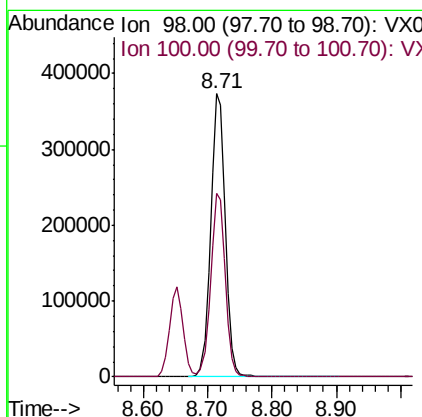
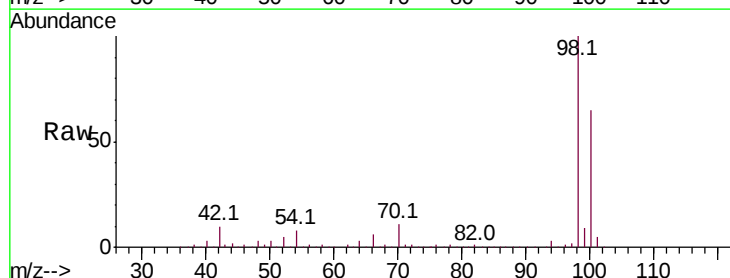
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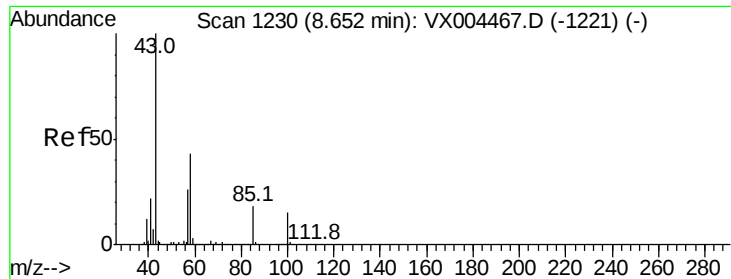
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#50
Toluene-d8
Concen: 48.098 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.9	79.3





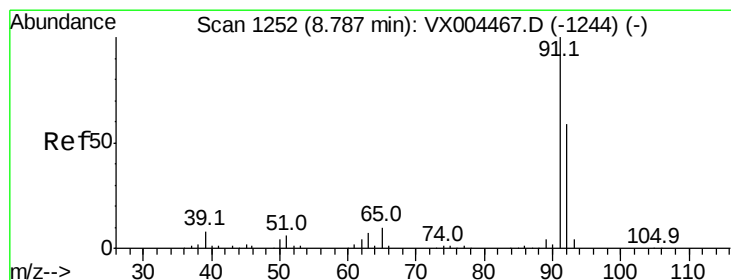
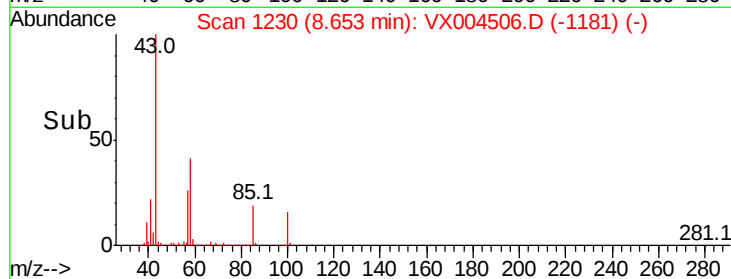
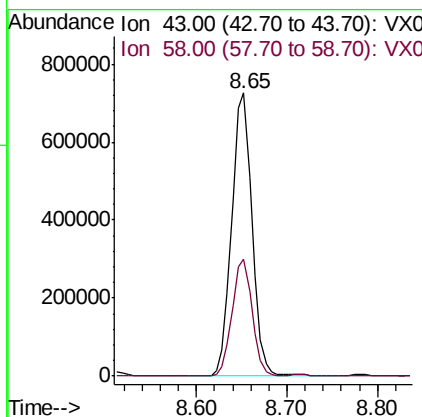
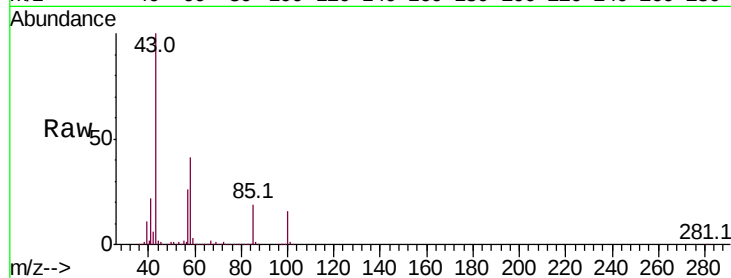
#51
4-Methyl-2-Pentanone
Concen: 218.437 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1131391
Ion Ratio Lower Upper
43 100
58 40.6 33.1 49.7

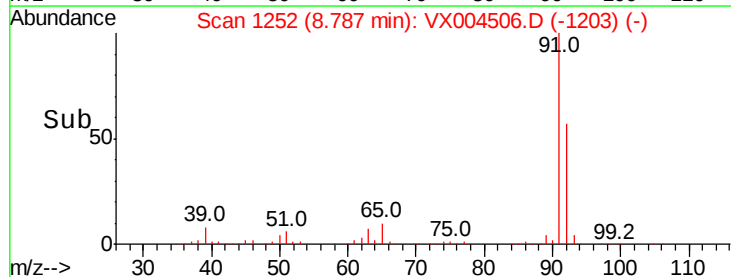
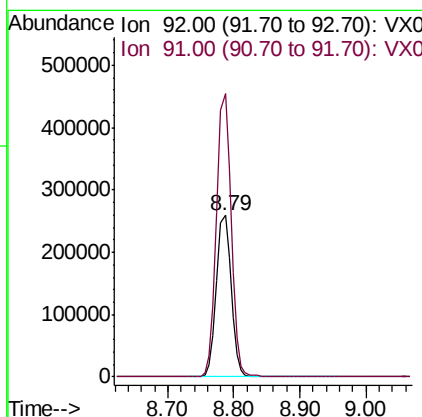
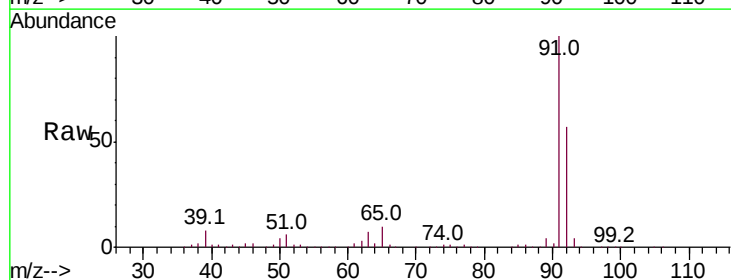
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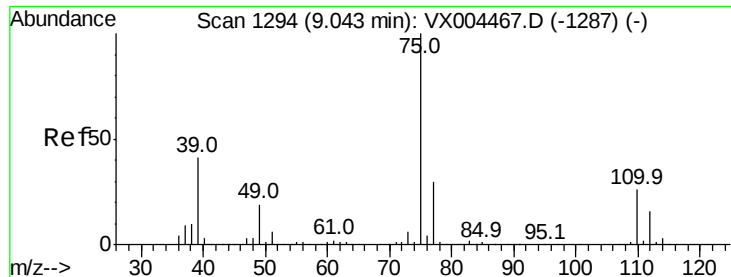
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#52
Toluene
Concen: 47.278 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion: 92 Resp: 401549
Ion Ratio Lower Upper
92 100
91 173.7 136.4 204.6





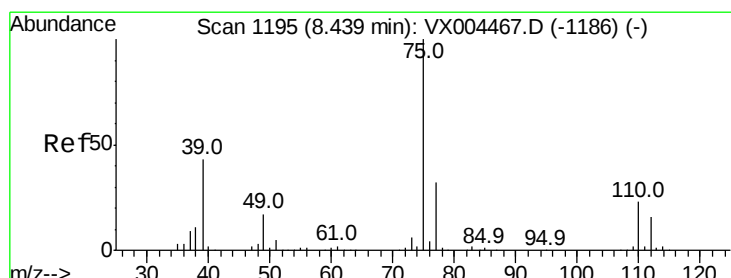
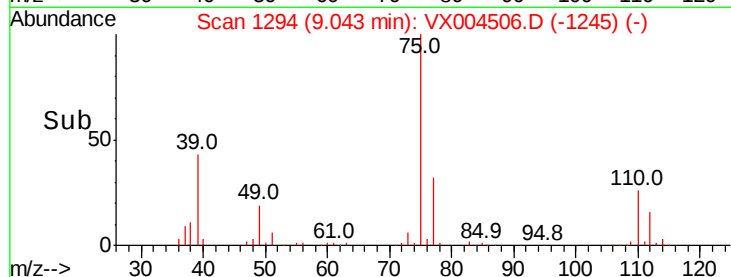
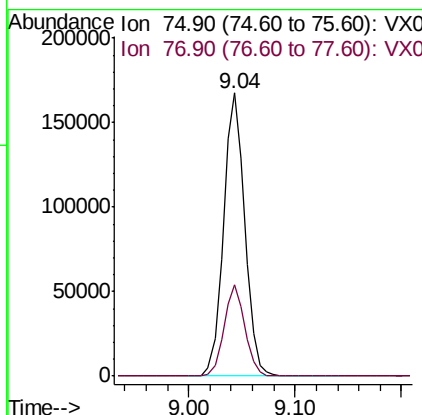
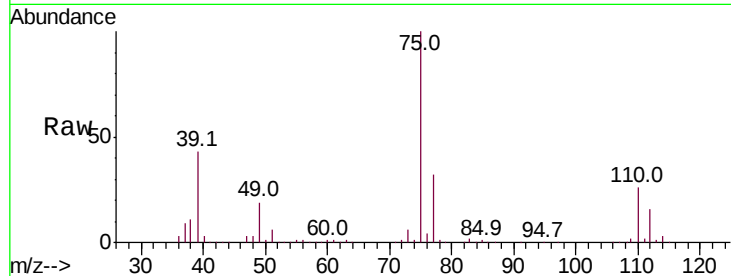
#53
 t-1,3-Dichloropropene
 Concen: 48.198 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	233324		
77	32.3	24.6	37.0	

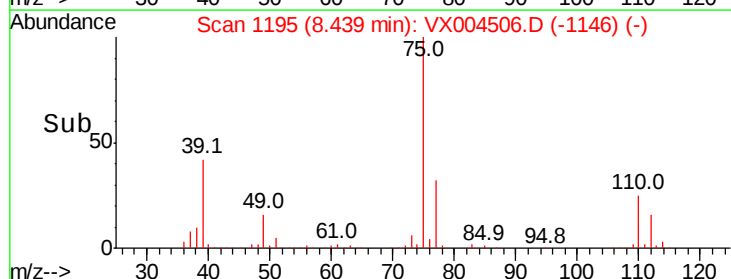
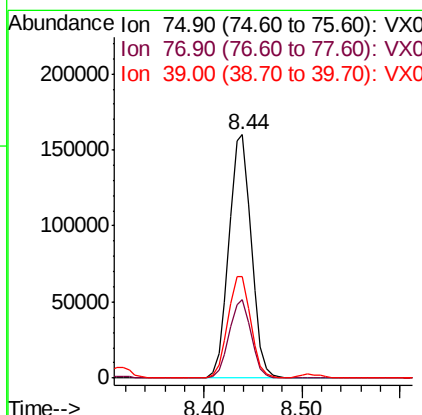
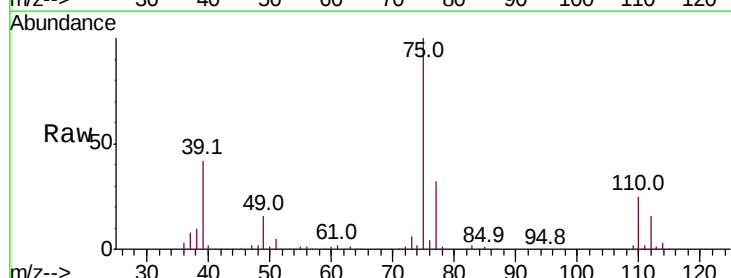
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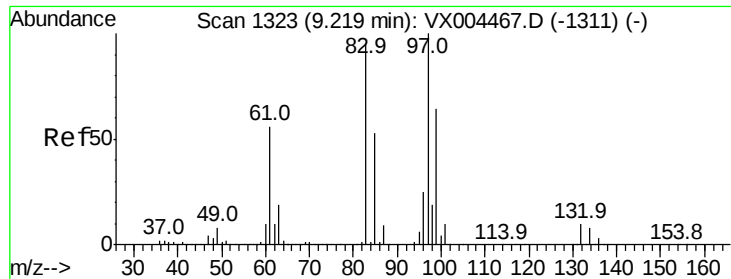
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 51.664 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	254957		
77	32.0	26.2	39.2	
39	41.6	36.4	54.6	





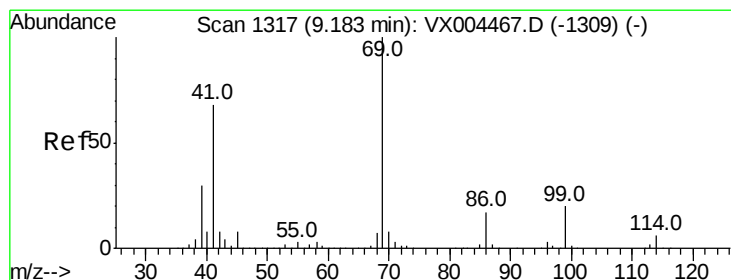
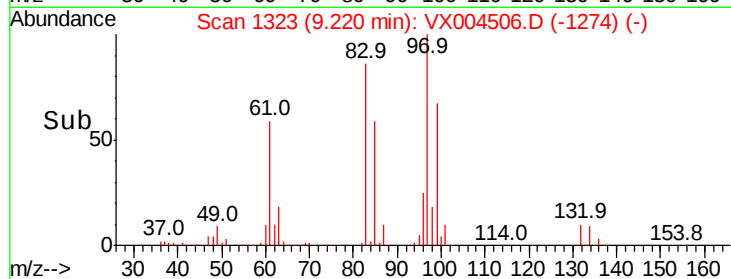
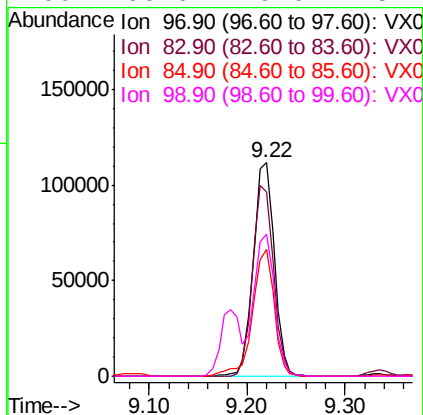
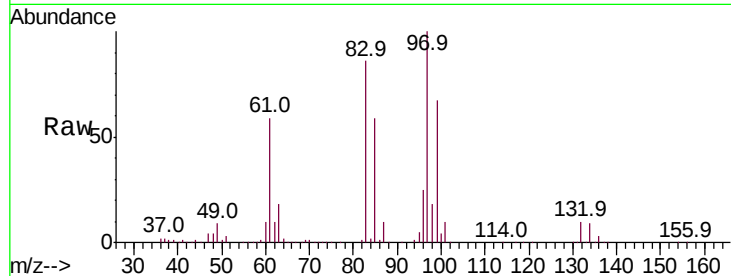
#55
 1,1,2-Trichloroethane
 Concen: 46.033 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	168343		
83	86.3	66.4	99.6	
85	59.3	43.3	64.9	
99	66.6	49.0	73.4	

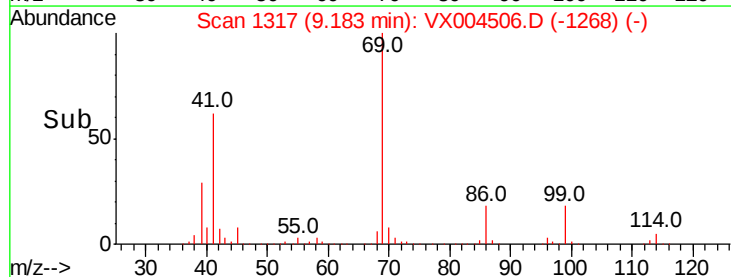
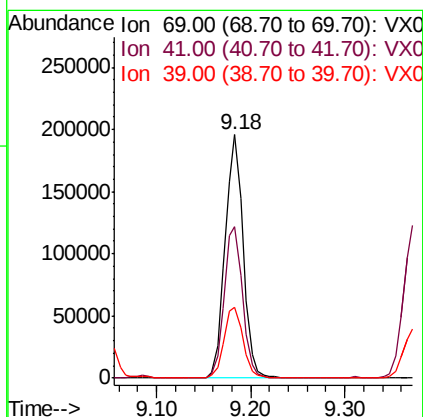
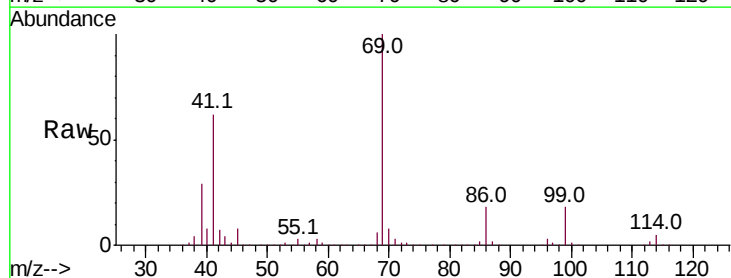
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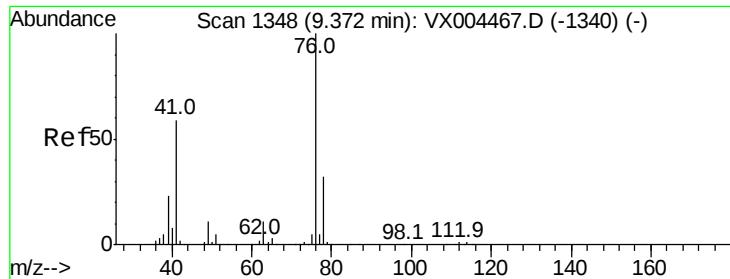
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#56
 Ethyl methacrylate
 Concen: 50.358 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	260528		
41	63.4	51.0	76.4	
39	30.5	26.1	39.1	





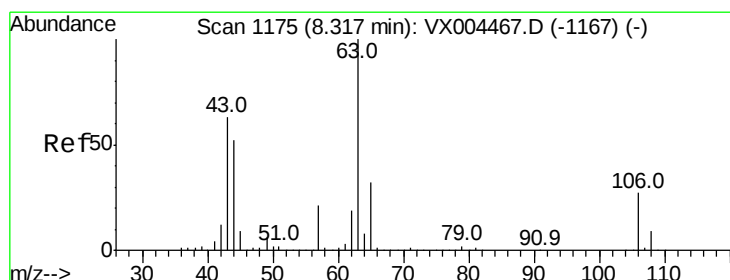
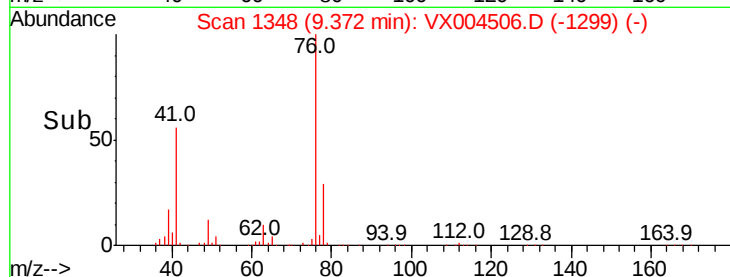
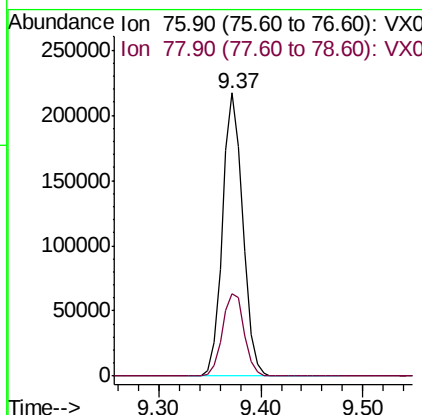
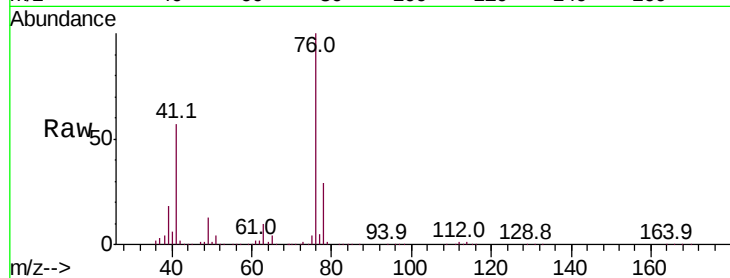
#57
 1,3-Dichloropropane
 Concen: 50.629 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.0	25.5	38.3

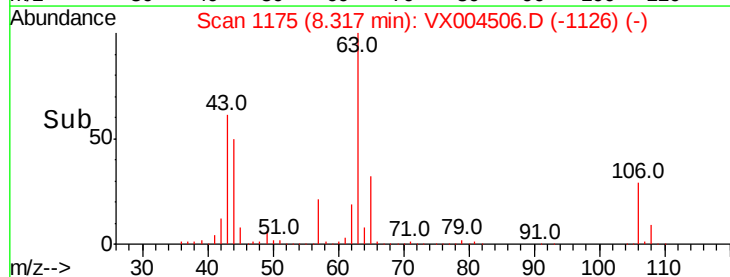
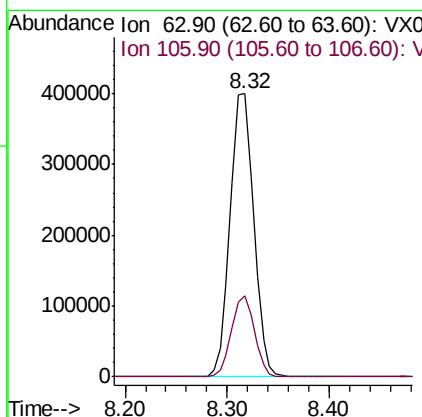
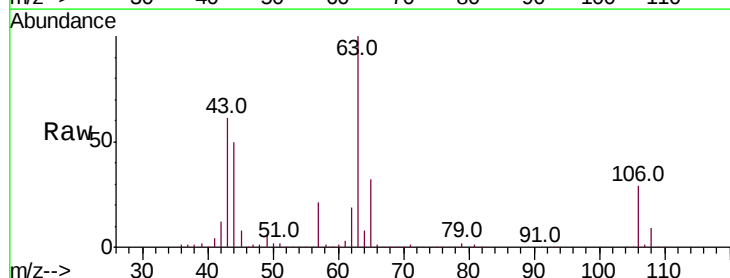
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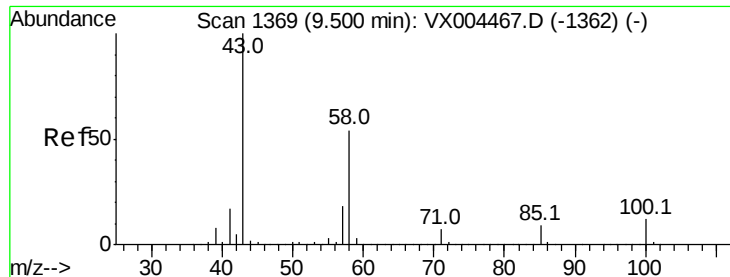
MMDadoda
 9/15/2018 11:23:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.161 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	23.9	35.9





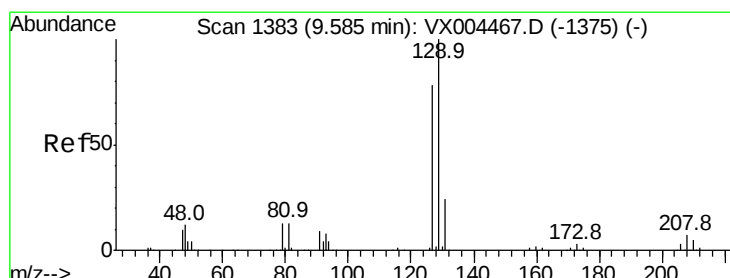
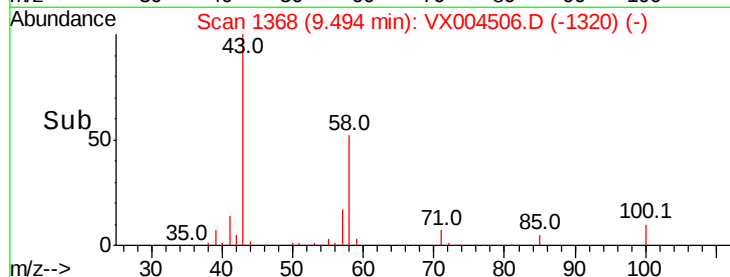
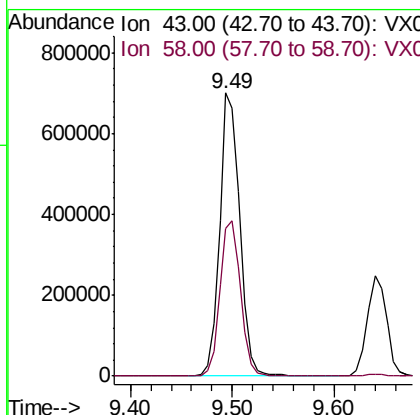
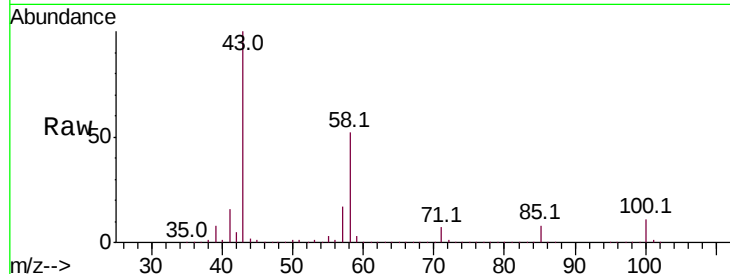
#59
2-Hexanone
Concen: 243.125 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 965897
Ion Ratio Lower Upper
43 100
58 56.5 29.0 87.0

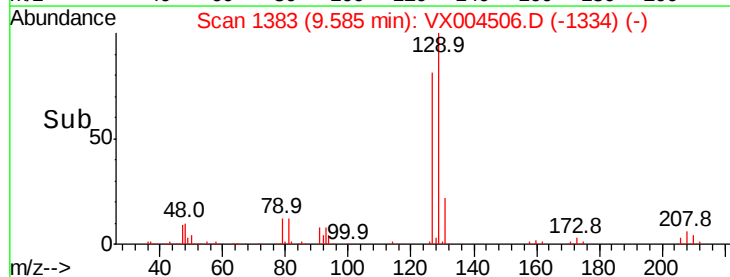
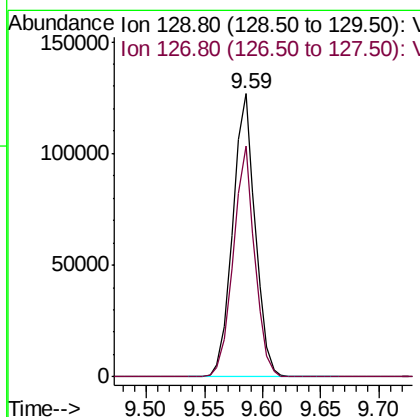
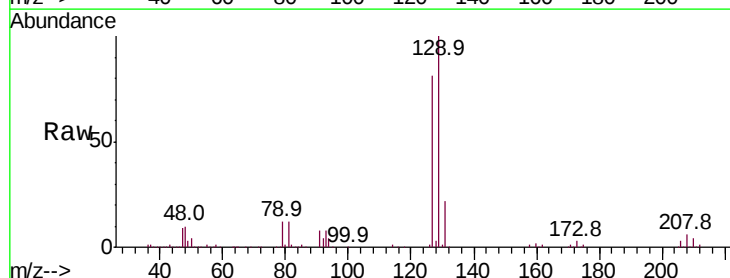
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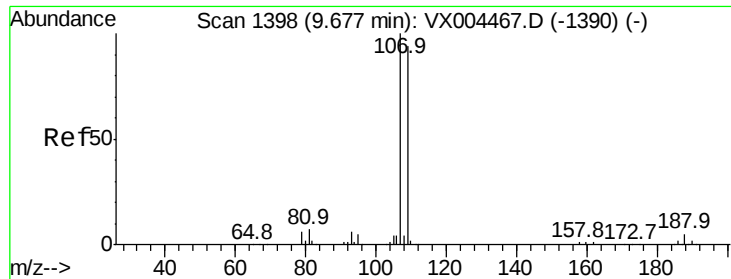
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9/15/2018 11:23:38 AM



#60
Dibromochloromethane
Concen: 49.517 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion: 129 Resp: 170483
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.923 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 170913

Ion Ratio Lower Upper

107 100

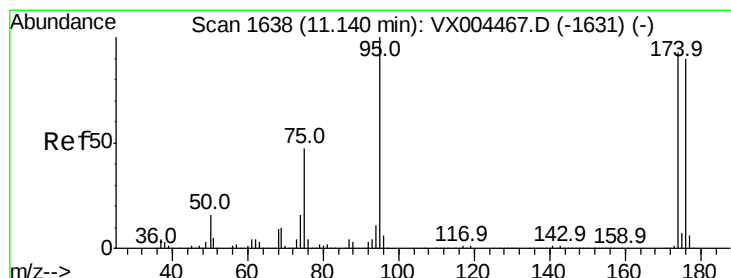
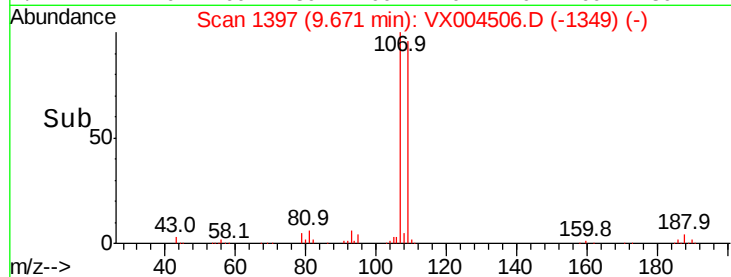
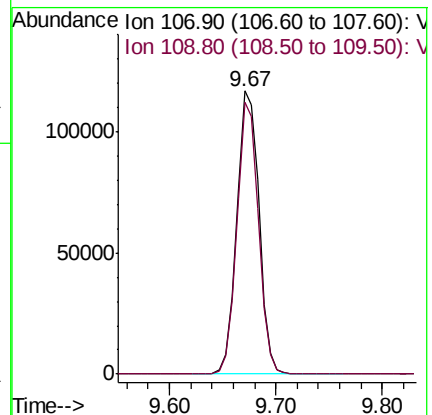
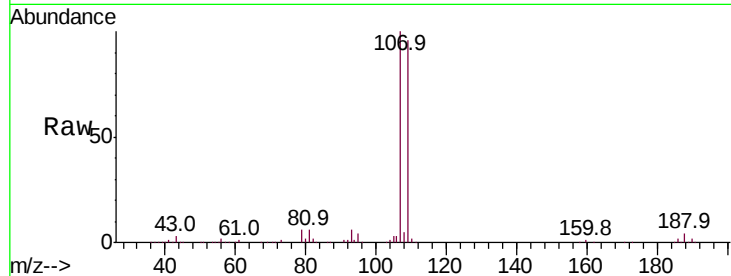
109 93.6 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 50.238 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

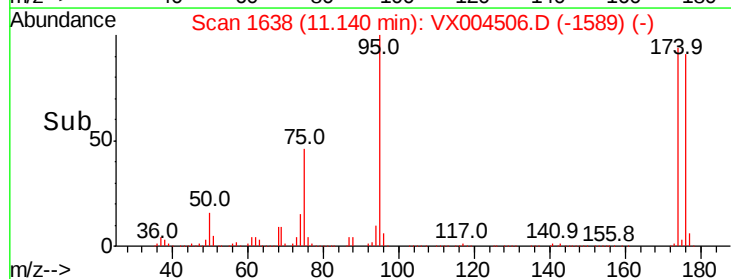
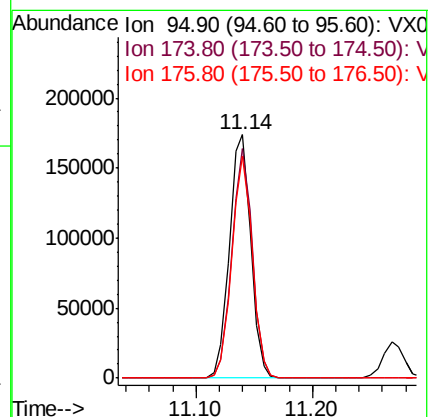
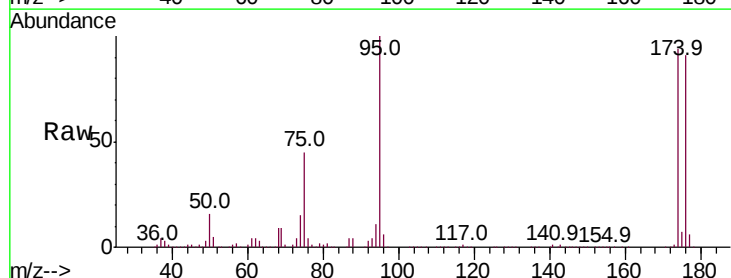
Tgt Ion: 95 Resp: 220237

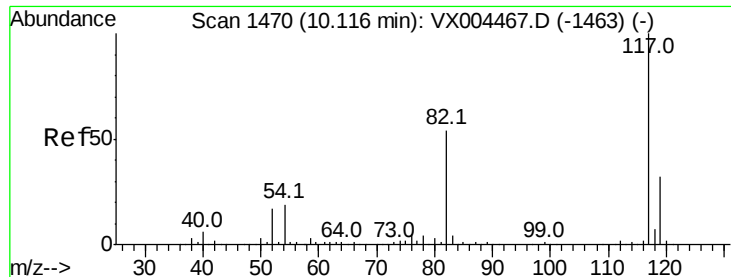
Ion Ratio Lower Upper

95 100

174 91.3 0.0 185.2

176 88.3 0.0 178.6





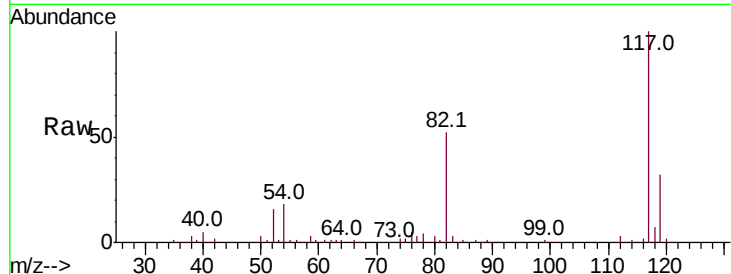
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	378861		
82	52.5	47.8	71.6	
119	32.4	29.3	43.9	

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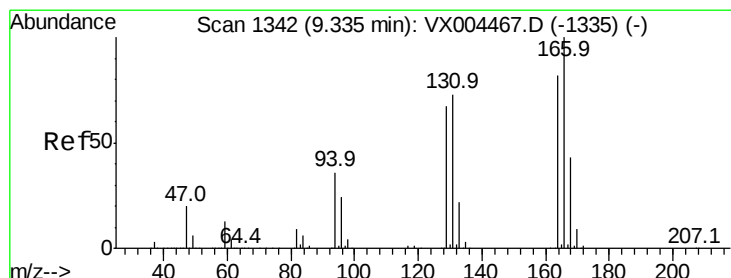
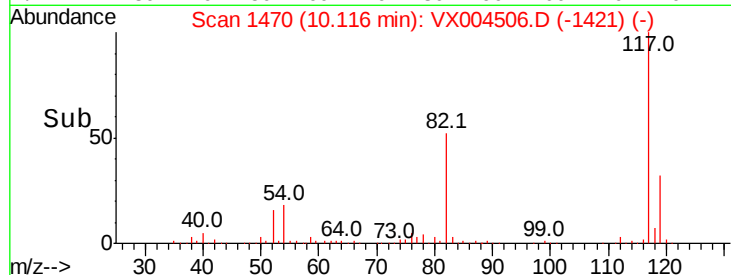
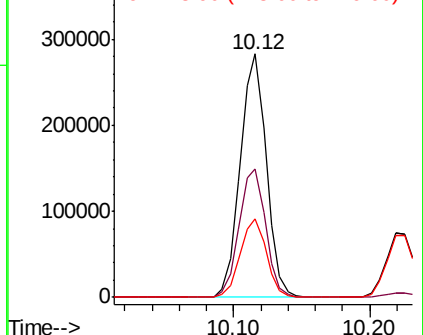


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.490 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	229368		
166	136.4	102.8	154.2	
129	88.1	69.4	104.0	
131	93.8	67.9	101.9	

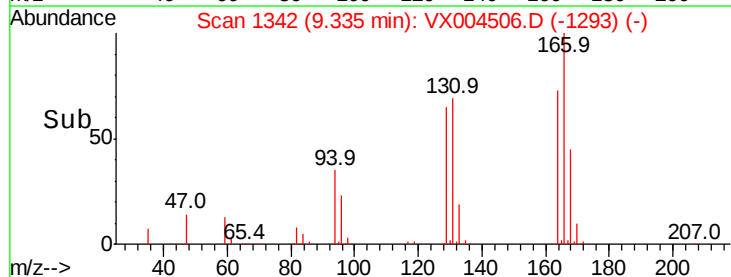
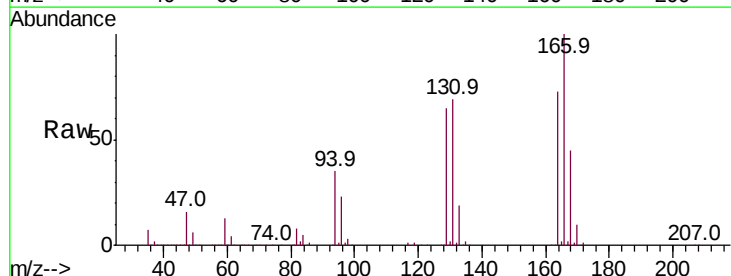
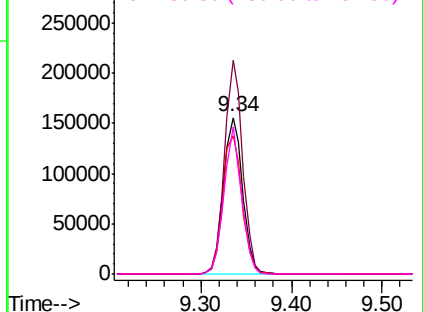
Abundance

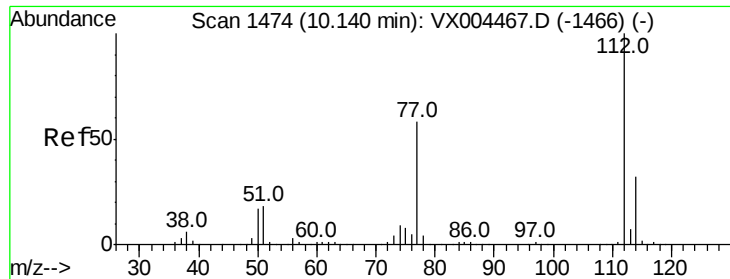
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





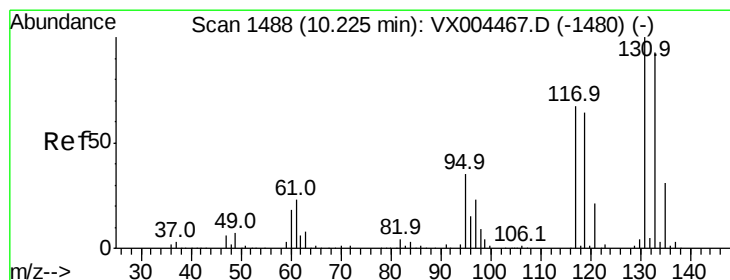
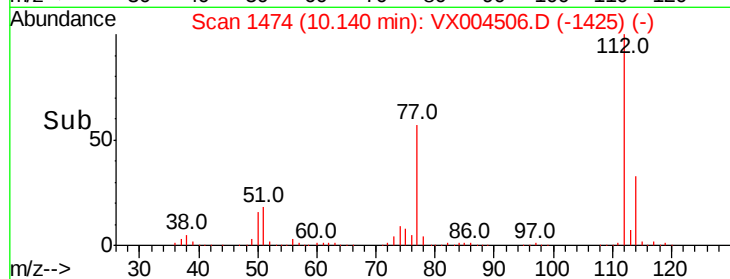
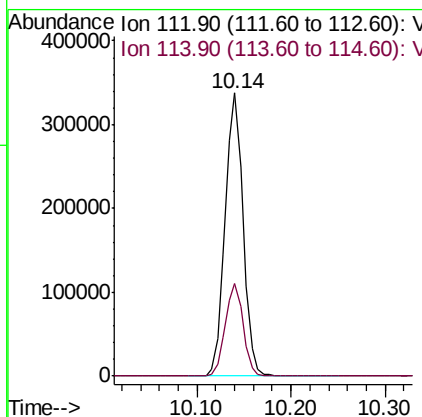
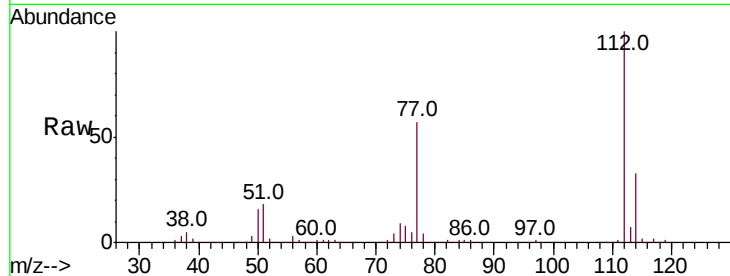
#65
Chlorobenzene
Concen: 47.658 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 448495
Ion Ratio Lower Upper
112 100
114 32.6 27.8 41.8

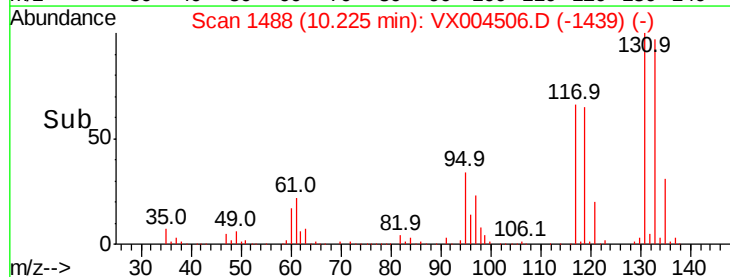
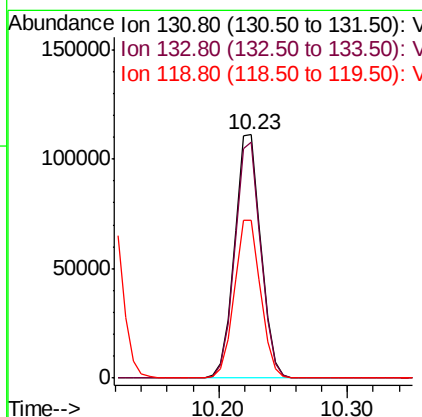
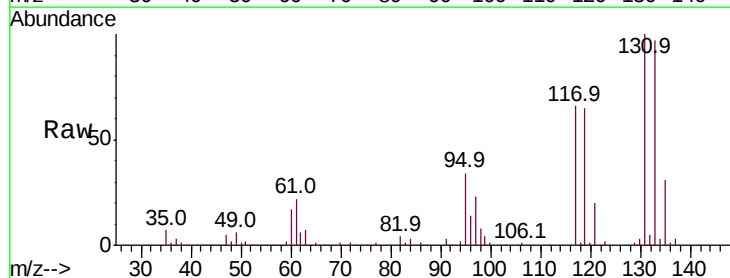
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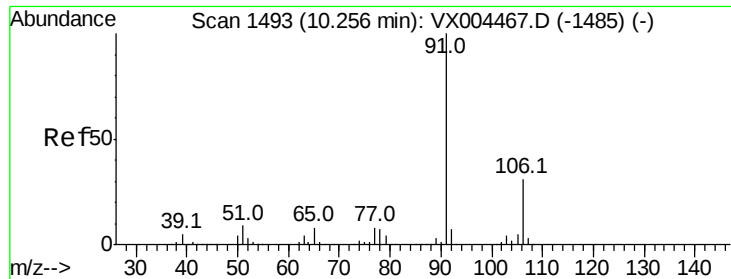
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.522 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion:131 Resp: 157464
Ion Ratio Lower Upper
131 100
133 95.9 48.1 144.4
119 64.9 32.9 98.6





#67

Ethyl Benzene

Concen: 50.108 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 766753

Ion Ratio Lower Upper

91 100

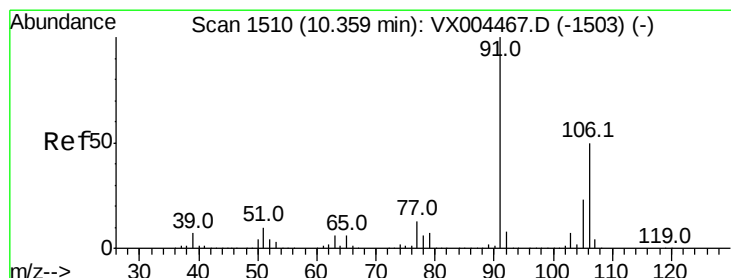
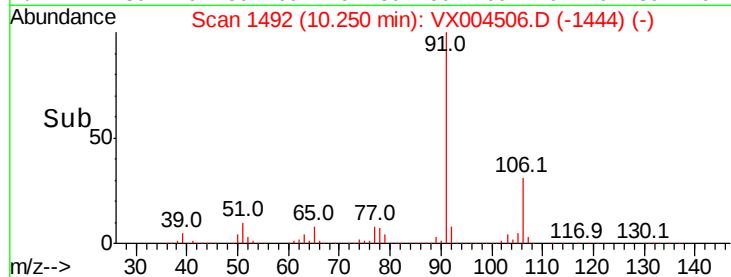
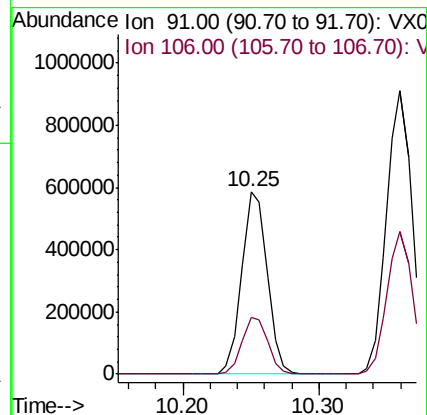
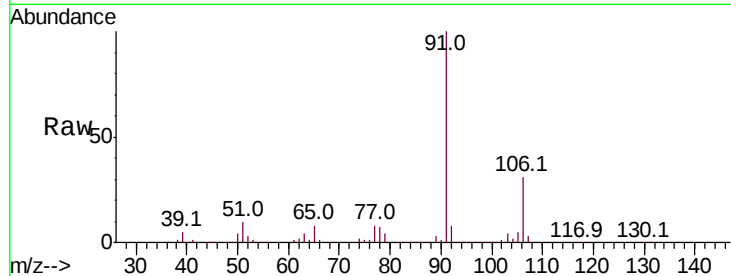
106 31.1 25.9 38.9

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#68

m/p-Xylenes

Concen: 102.779 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004506.D

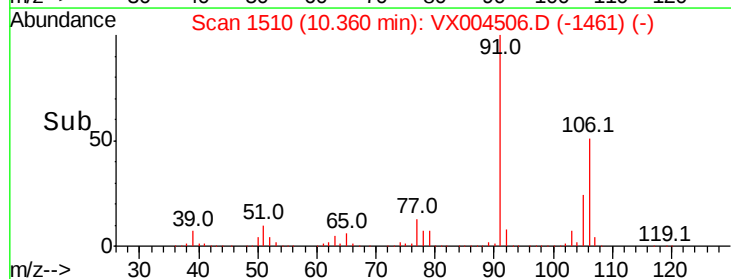
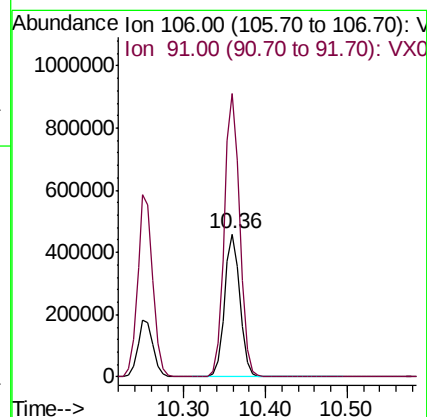
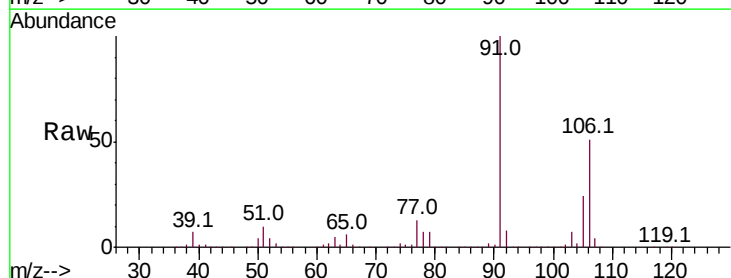
Acq: 13 Sep 2018 10:17

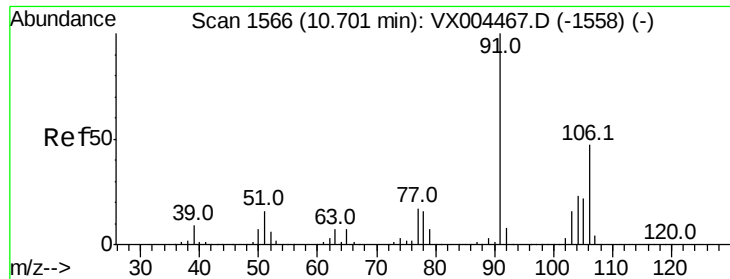
Tgt Ion: 106 Resp: 605819

Ion Ratio Lower Upper

106 100

91 199.5 157.1 235.7





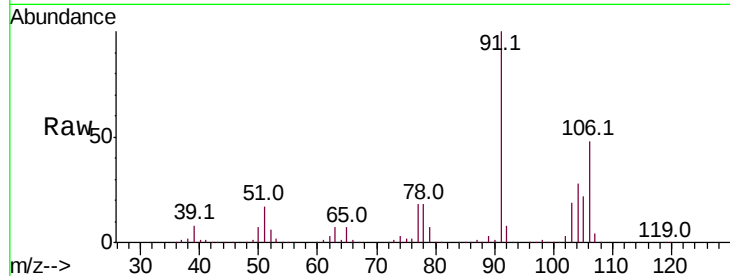
#69
o-Xylene
Concen: 50.943 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

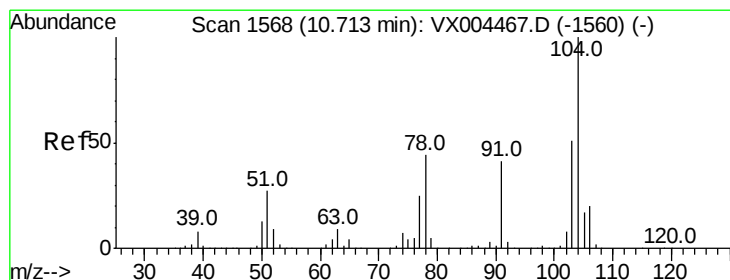
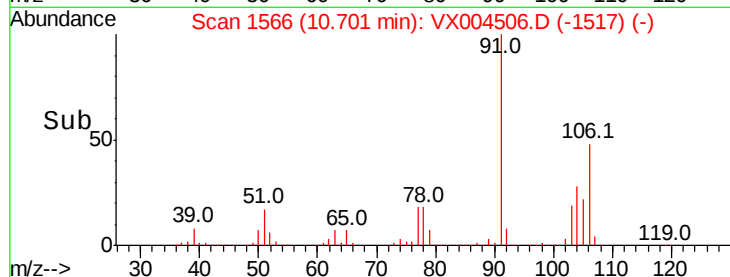
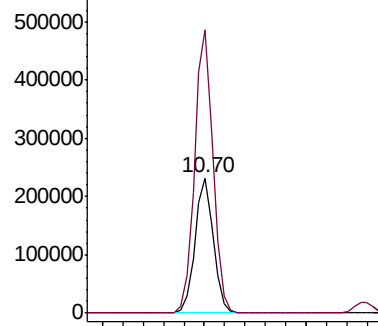
Tot Ion:106 Resp: 288679
Ion Ratio Lower Upper
106 100
91 211.0 105.1 315.1

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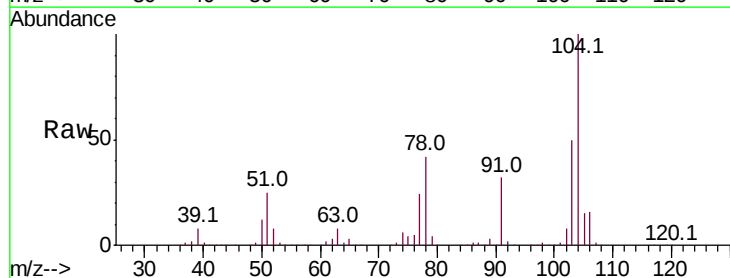


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

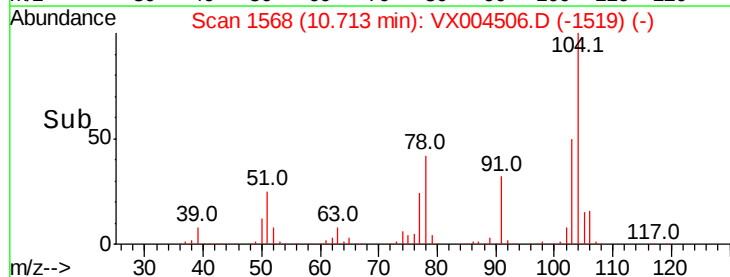
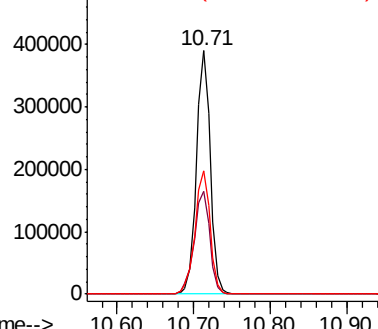


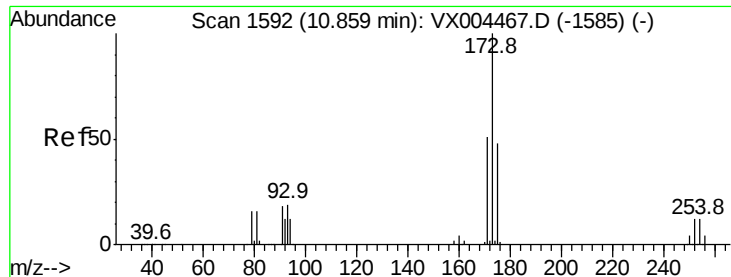
#70
Styrene
Concen: 51.838 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion:104 Resp: 486667
Ion Ratio Lower Upper
104 100
78 47.8 37.4 56.0
103 55.5 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.161 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 128330

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.3

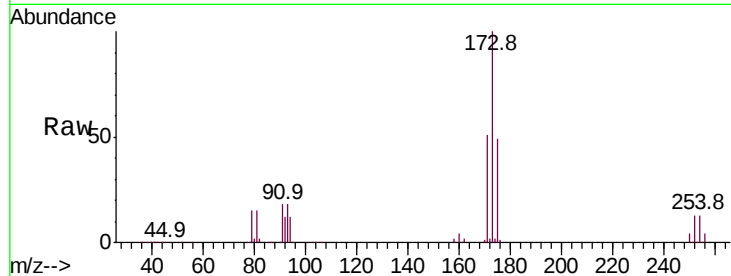
254 0.2 0.2 0.2

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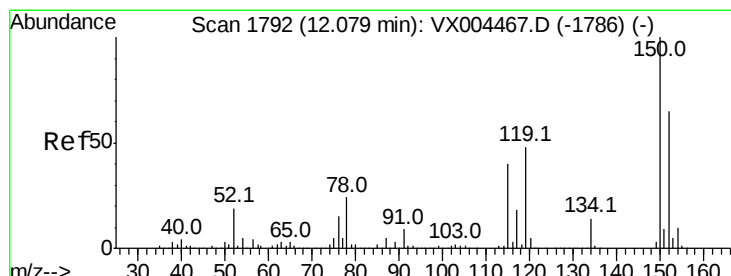
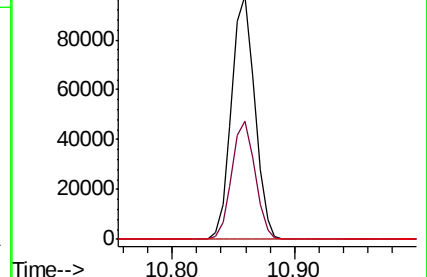
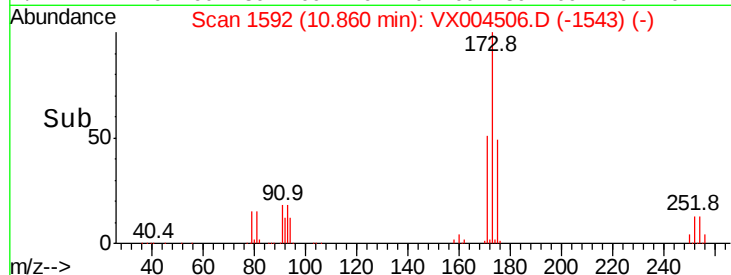
9/15/2018 11:23:38 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

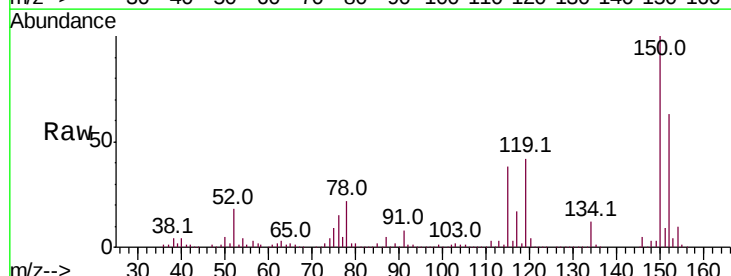
Tgt Ion:152 Resp: 232844

Ion Ratio Lower Upper

152 100

115 78.3 39.0 117.0

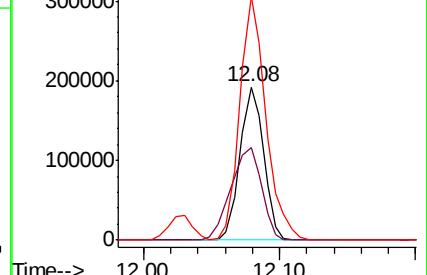
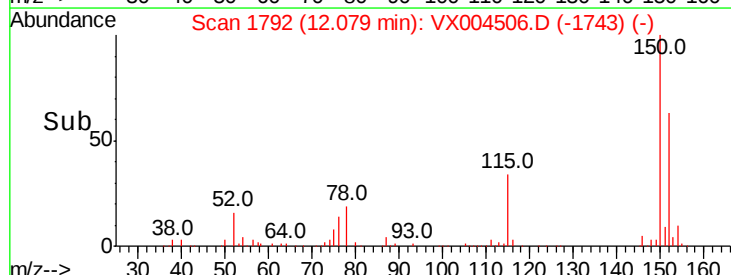
150 175.0 0.0 351.0

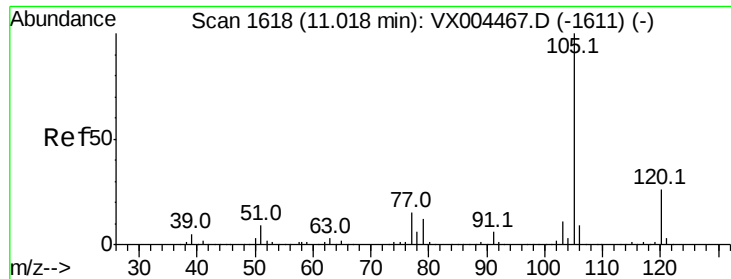


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





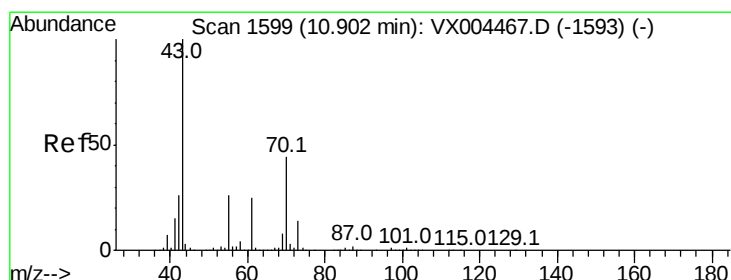
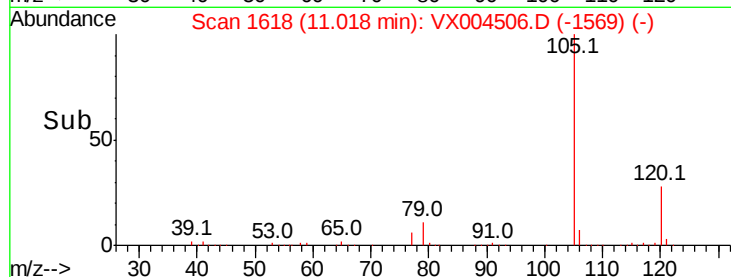
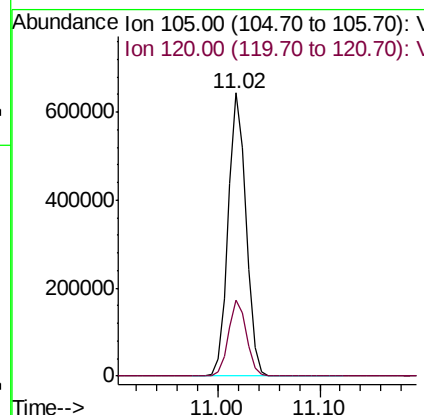
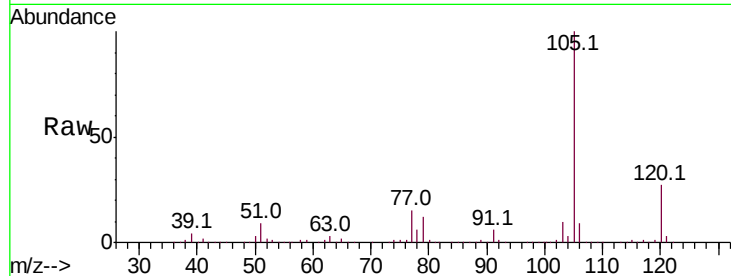
#73
Isopropylbenzene
Concen: 51.142 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 784261
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4

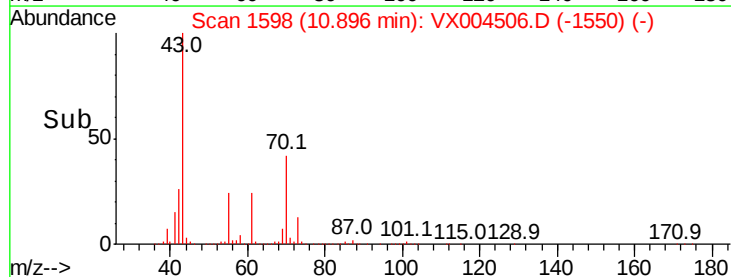
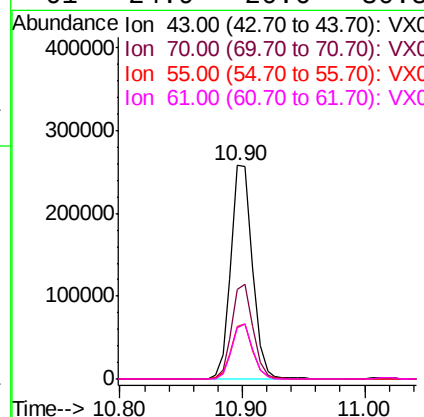
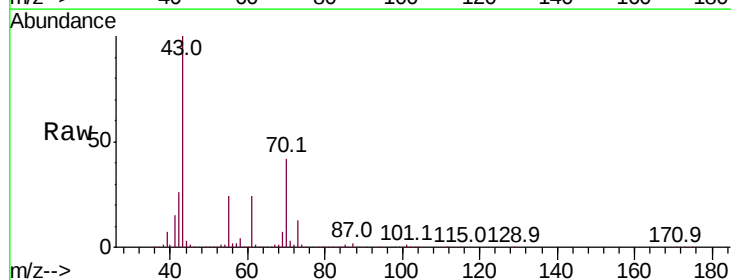
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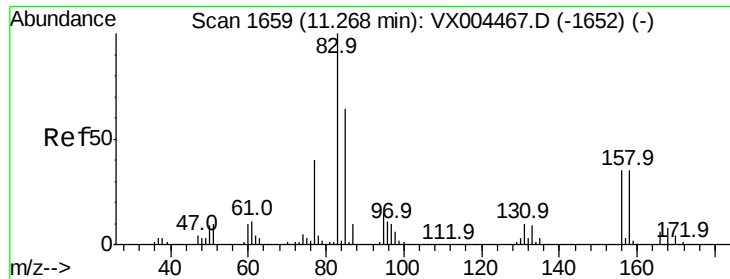
MMDadoda
9/15/2018 11:23:38 AM



#74
N-ethyl acetate
Concen: 48.940 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion: 43 Resp: 315883
Ion Ratio Lower Upper
43 100
70 43.7 37.4 56.0
55 25.6 21.8 32.8
61 24.9 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 45.161 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 223382

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

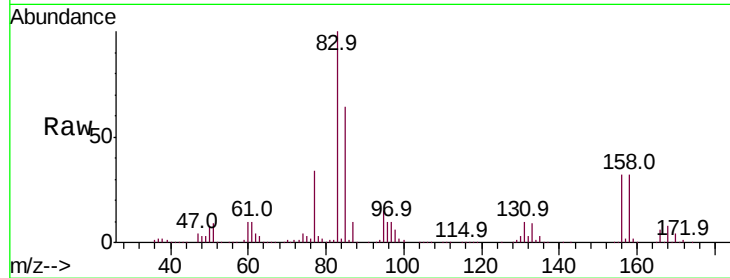
85 64.4 32.3 96.8

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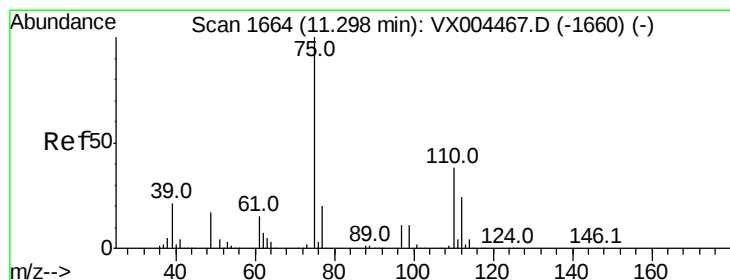
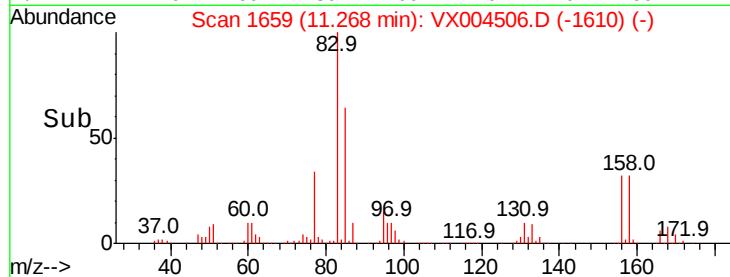
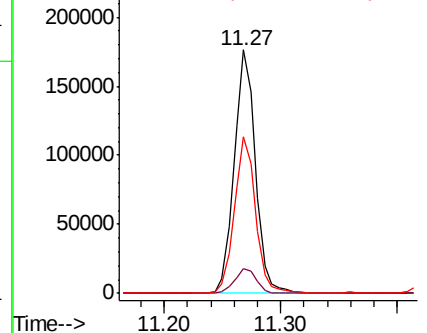
9/15/2018 11:23:38 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 47.211 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004506.D

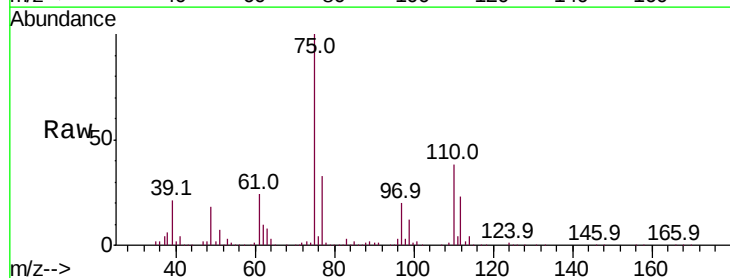
Acq: 13 Sep 2018 10:17

Tgt Ion: 75 Resp: 221167

Ion Ratio Lower Upper

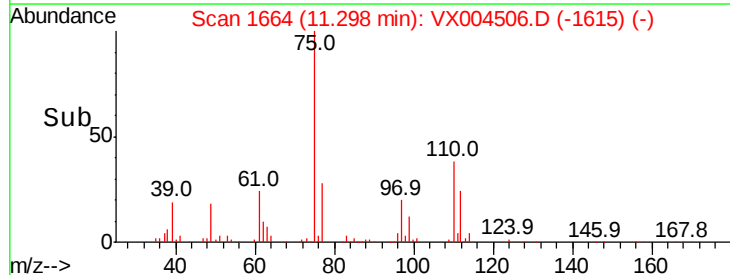
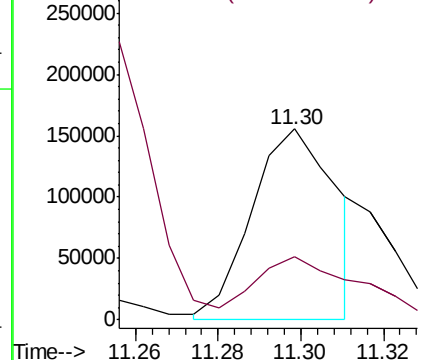
75 100

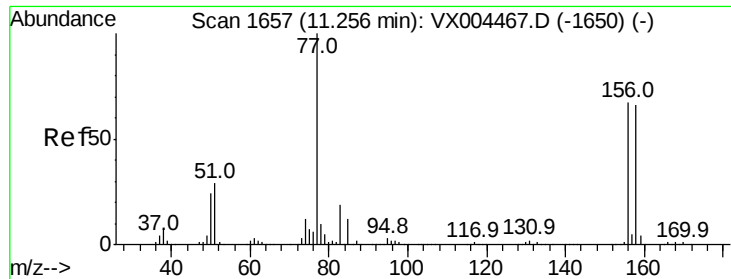
77 40.7 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





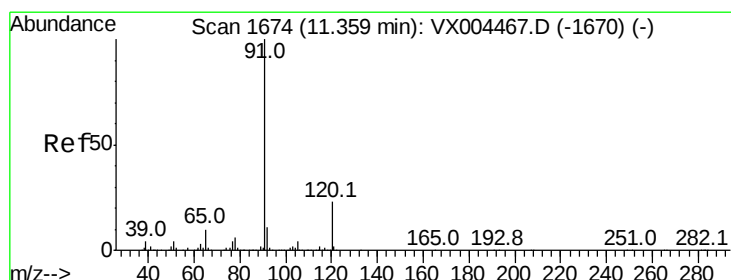
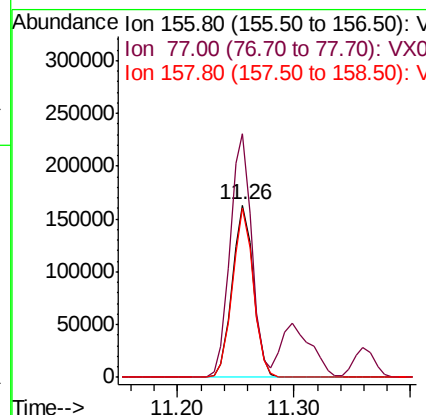
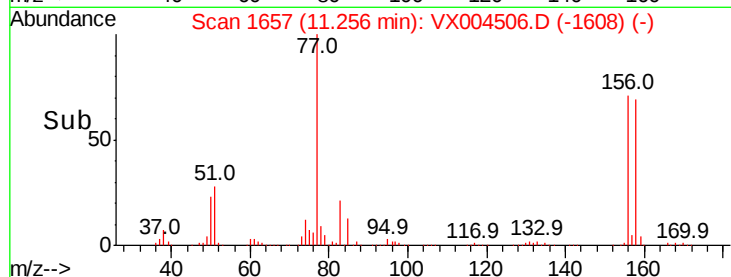
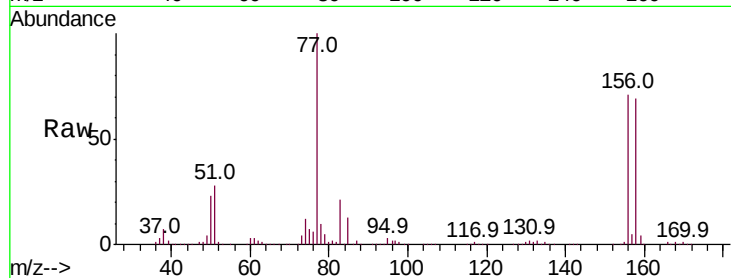
#77
Bromobenzene
Concen: 48.670 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.2	71.5	214.3
158	96.6	48.9	146.8

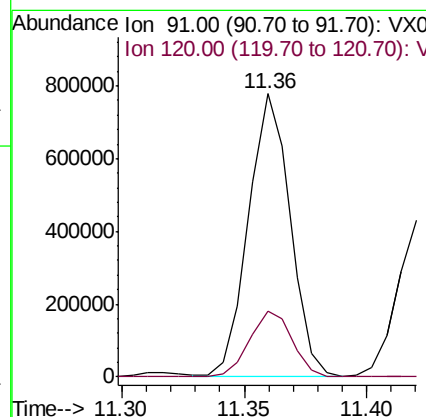
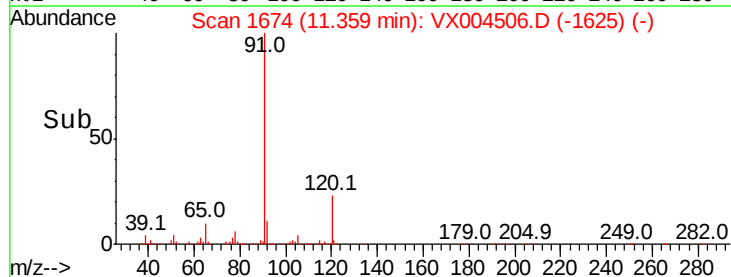
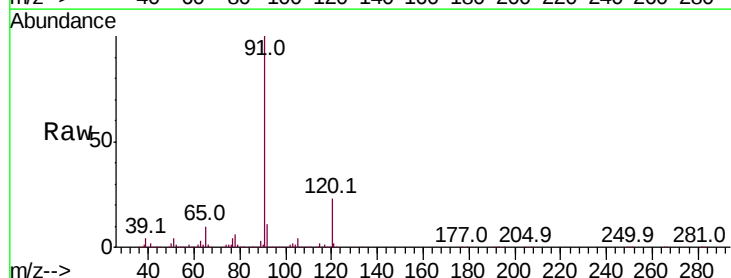
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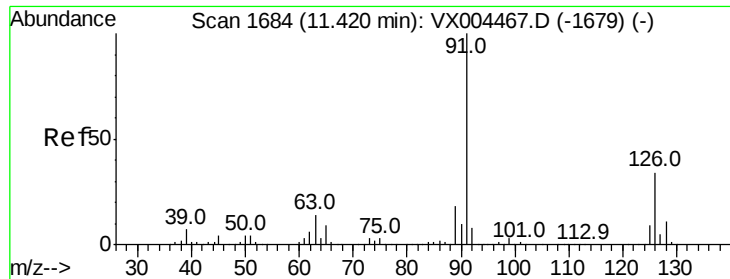
MMDadoda
9/15/2018 11:23:38 AM



#78
n-propylbenzene
Concen: 52.228 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 49.468 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 528993

Ion Ratio Lower Upper

91 100

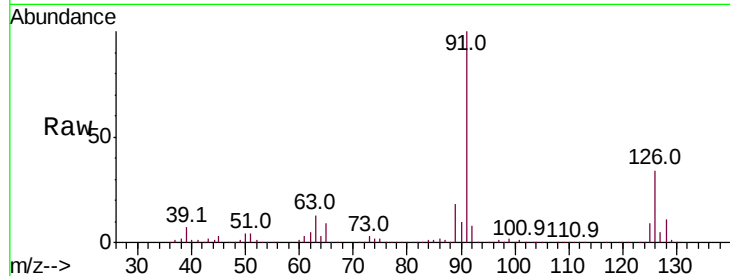
126 35.6 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)

800000

600000

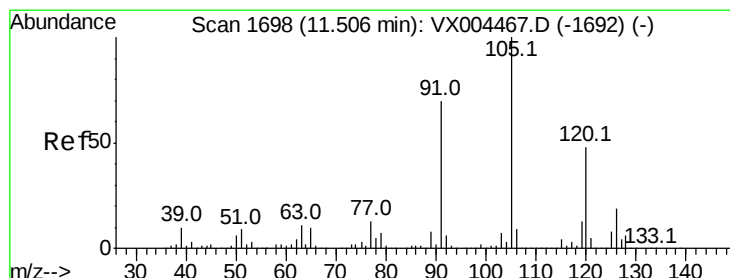
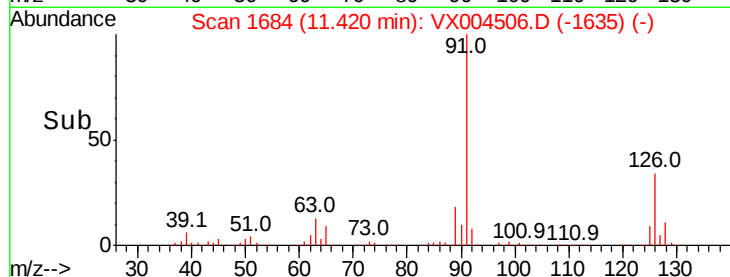
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.821 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004506.D

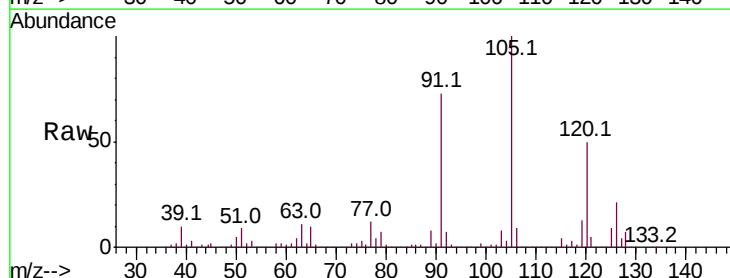
Acq: 13 Sep 2018 10:17

Tgt Ion: 105 Resp: 668046

Ion Ratio Lower Upper

105 100

120 50.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)

600000

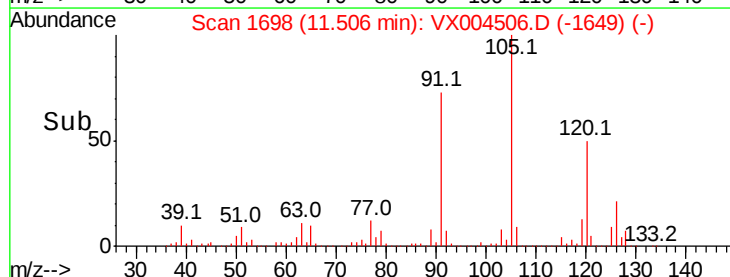
400000

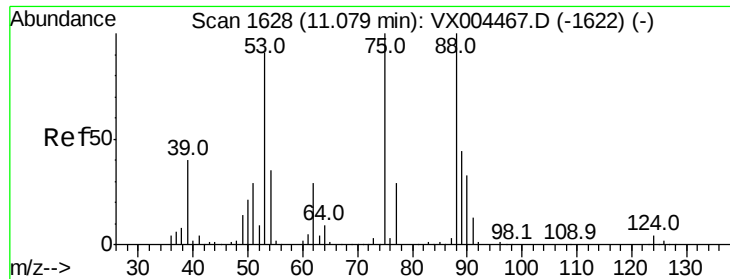
200000

0

11.50 11.60

Time-->





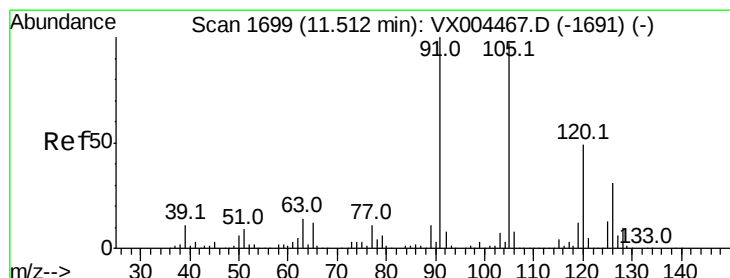
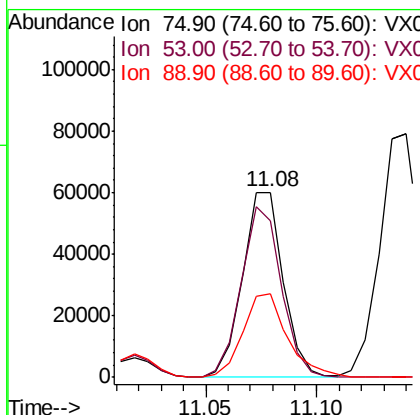
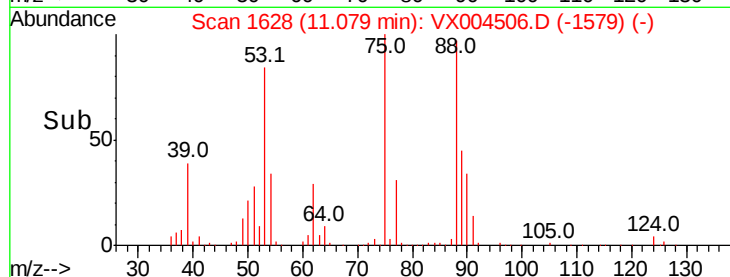
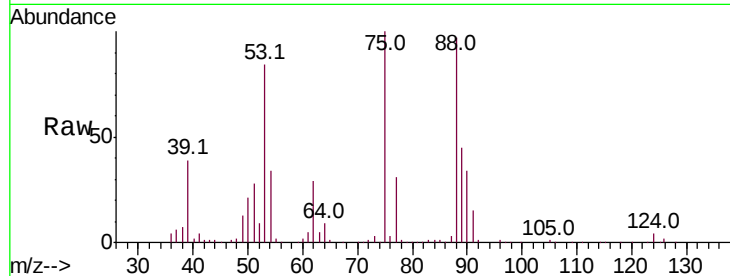
#81
trans-1,4-Dichloro-2-butene
Concen: 52.171 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.0	80.1	120.1
89	49.8	37.2	55.8

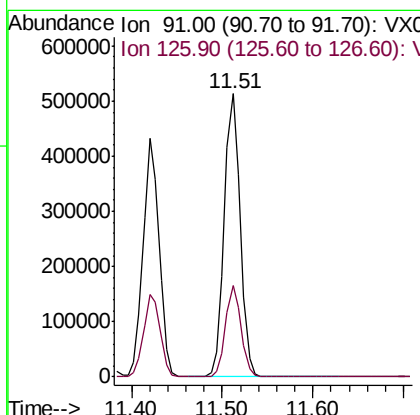
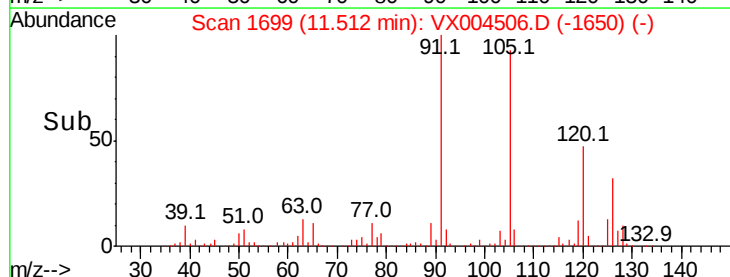
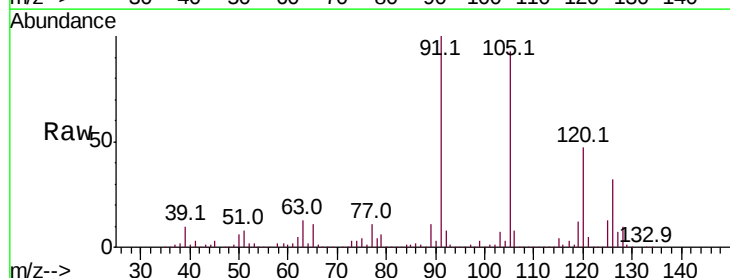
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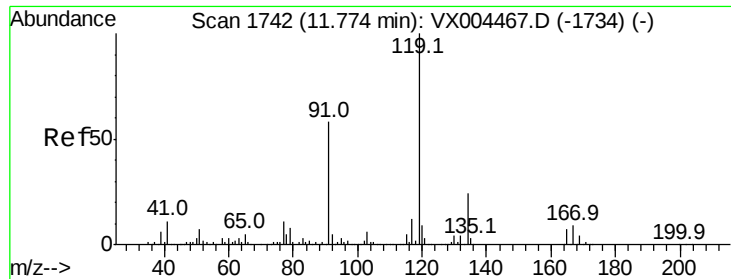
MMDadoda
9/15/2018 11:23:38 AM



#82
4-Chlorotoluene
Concen: 50.442 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.5	46.5





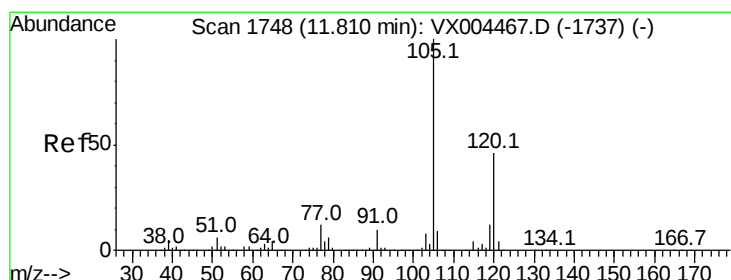
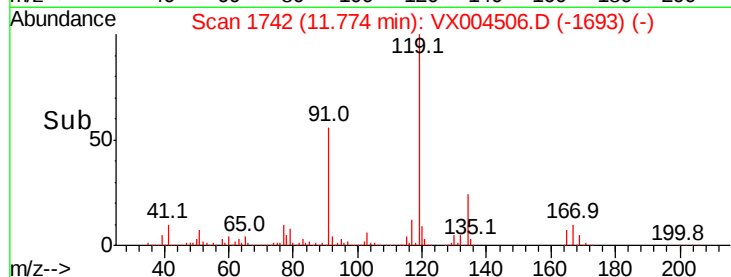
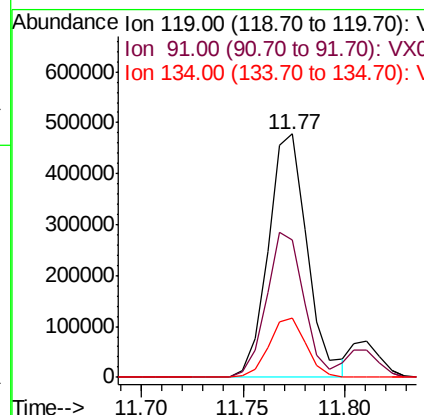
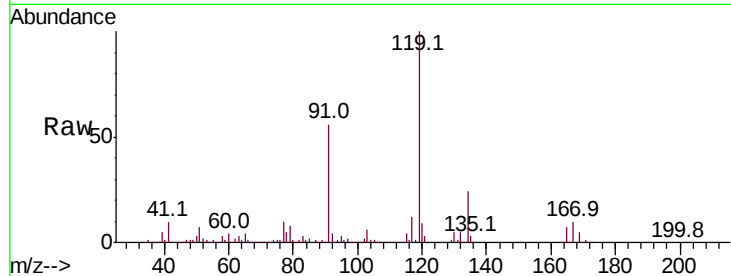
#83
 tert-Butylbenzene
 Concen: 51.881 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	636742		
91	56.8	27.0	81.0	
134	23.1	11.7	35.1	

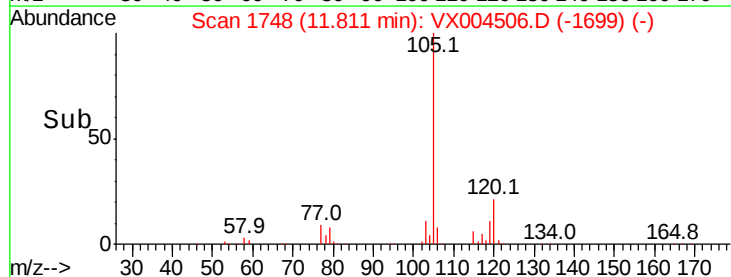
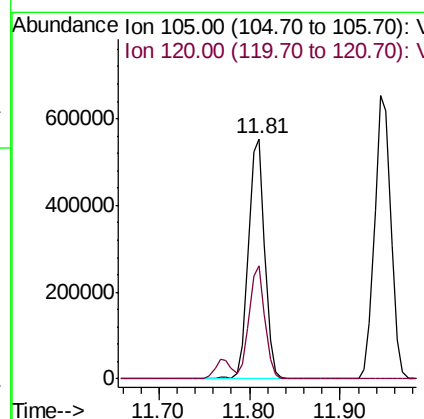
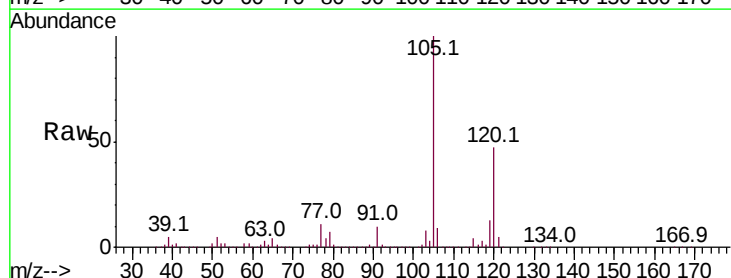
Manual Integrations
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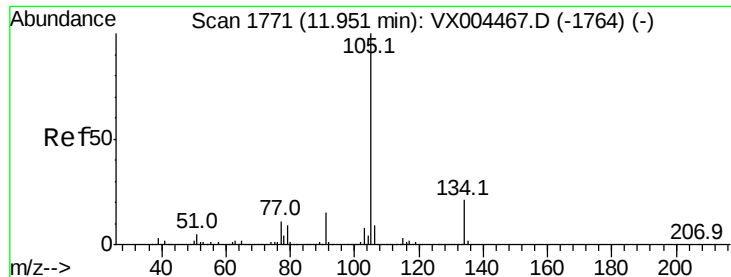
MMDadoda
 9/15/2018 11:23:38 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.110 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	685875		
120	45.4	23.2	69.6	





#85

sec-Butylbenzene

Concen: 52.115 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 815065

Ion Ratio Lower Upper

105 100

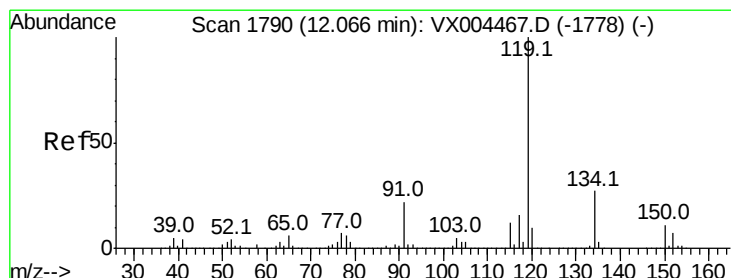
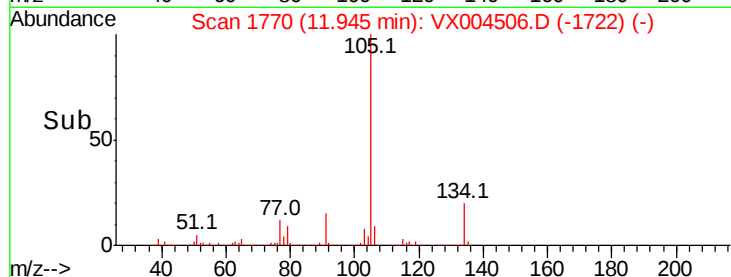
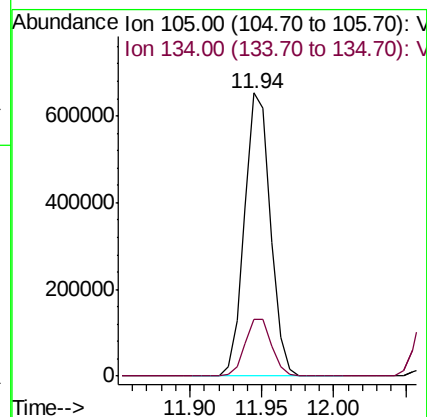
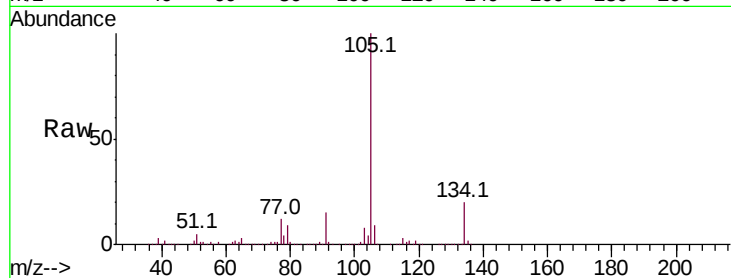
134 20.7 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 53.657 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004506.D

Acq: 13 Sep 2018 10:17

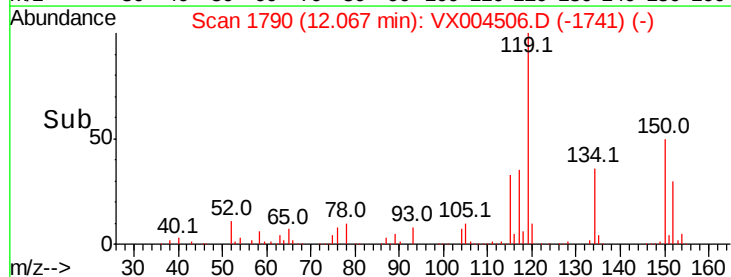
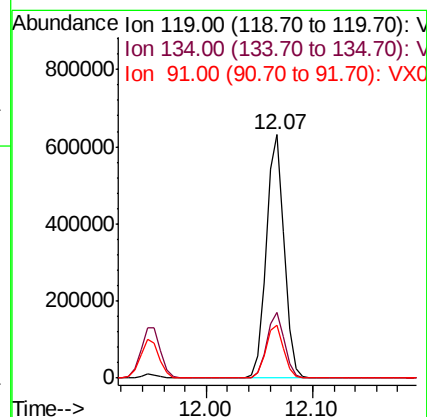
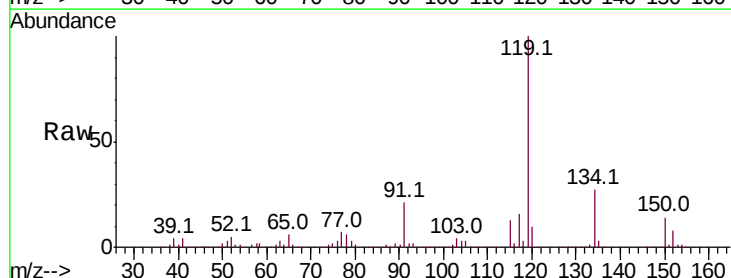
Tgt Ion:119 Resp: 741063

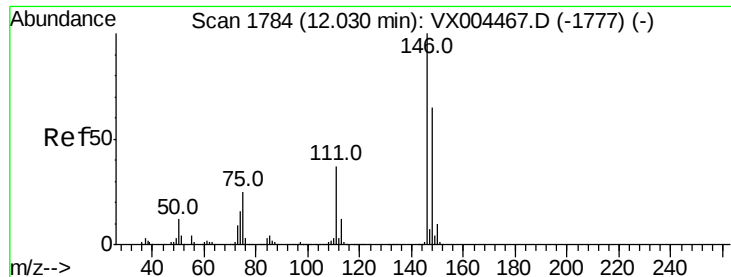
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.0 10.9 32.7





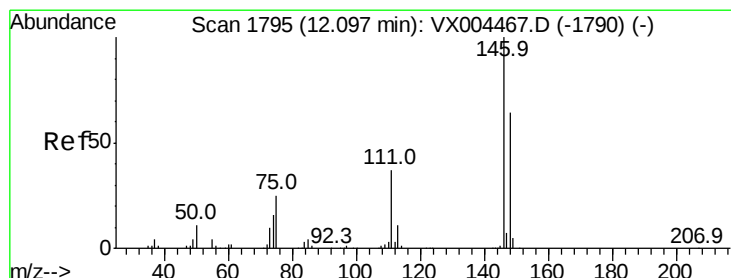
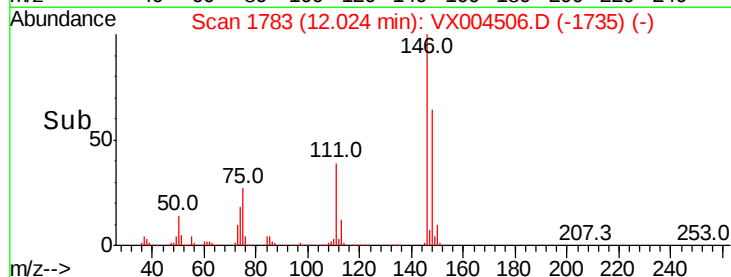
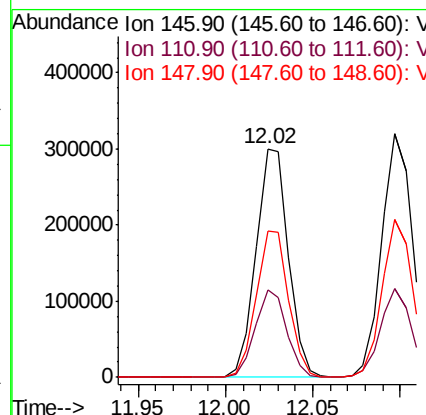
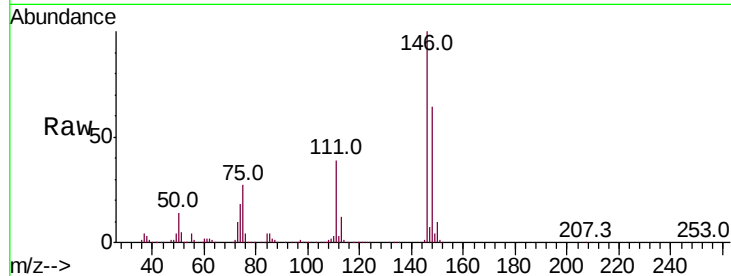
#87
 1,3-Dichlorobenzene
 Concen: 48.869 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	63.9	32.1	96.5

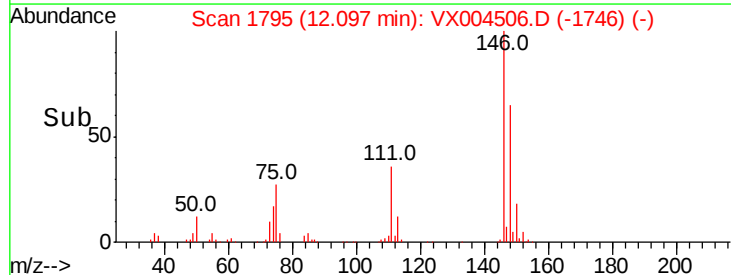
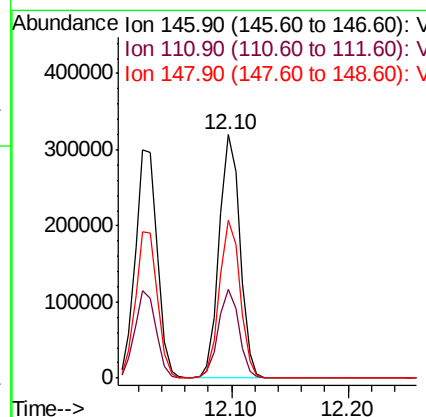
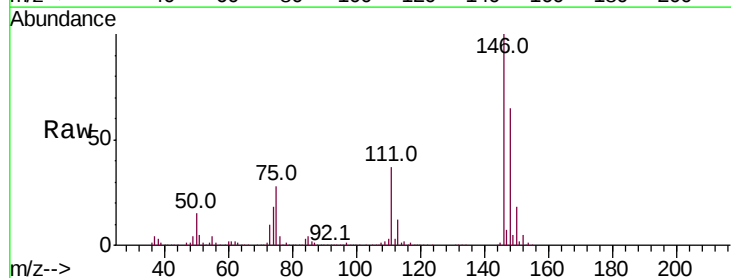
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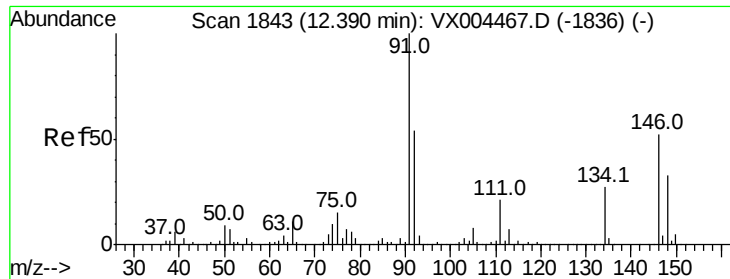
MMDadoda
 9/15/2018 11:23:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.915 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	64.4	32.0	96.0





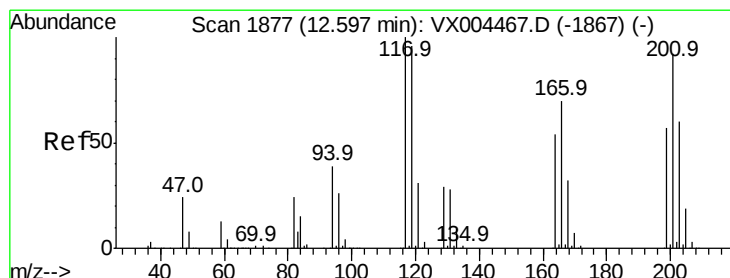
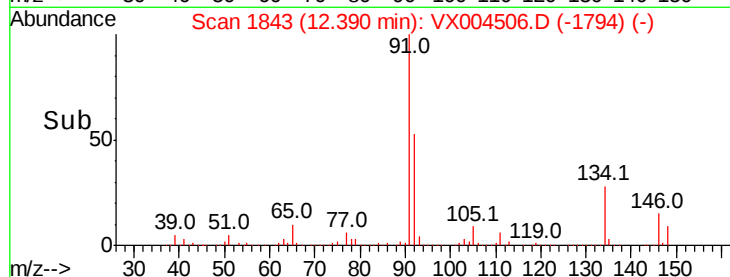
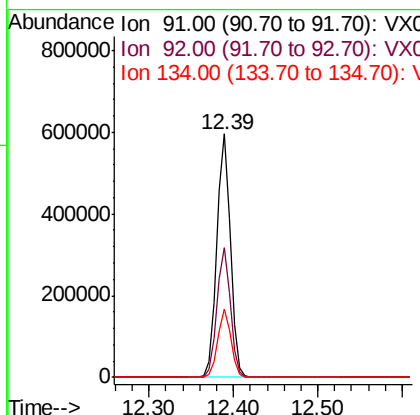
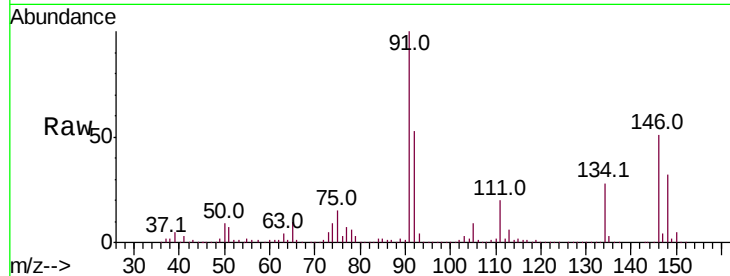
#89
n-Butylbenzene
Concen: 53.118 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.3	81.9
134	27.3	13.6	40.7

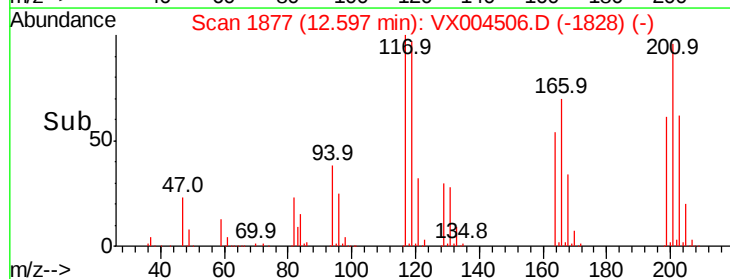
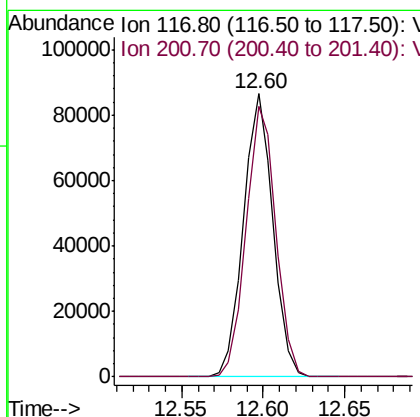
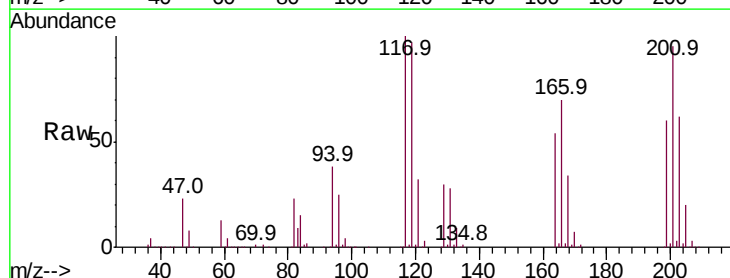
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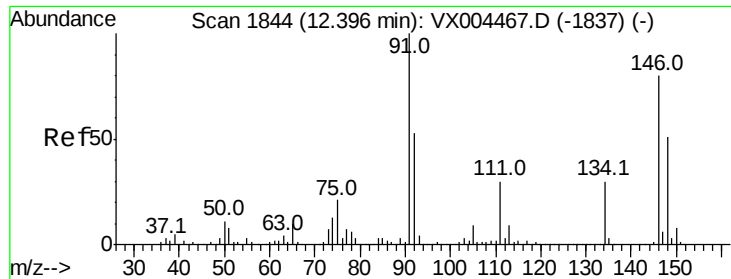
MMDadoda
9/15/2018 11:23:38 AM



#90
Hexachloroethane
Concen: 49.138 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.7	46.9	140.6





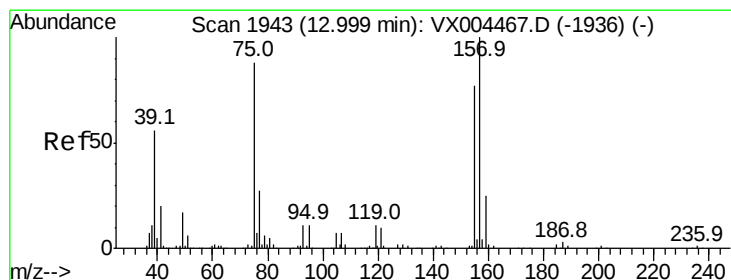
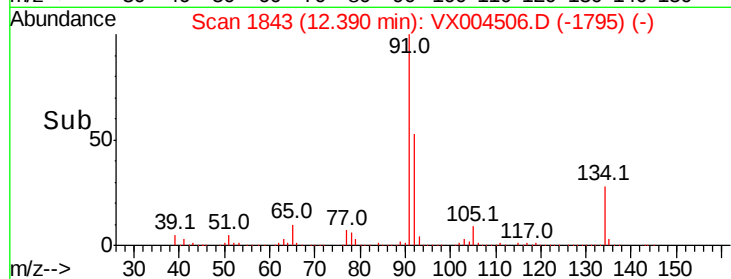
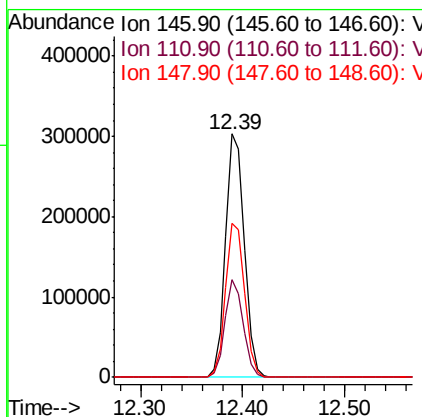
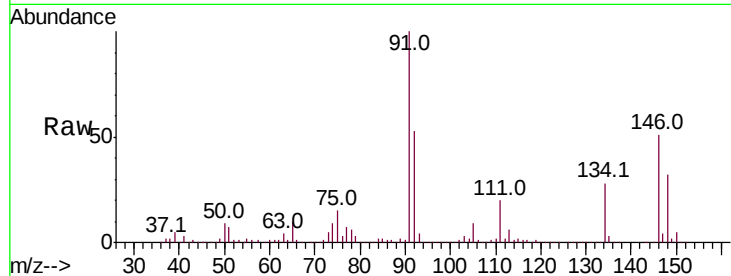
#91
 1,2-Dichlorobenzene
 Concen: 48.154 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	64.1	32.8	98.3

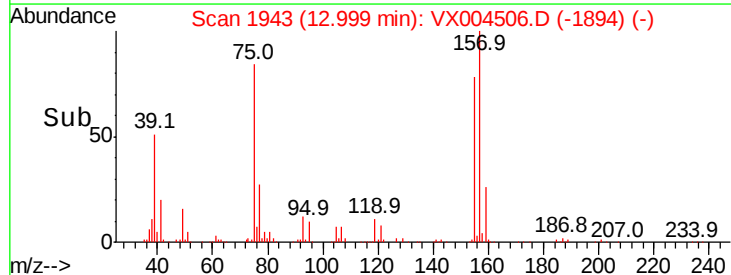
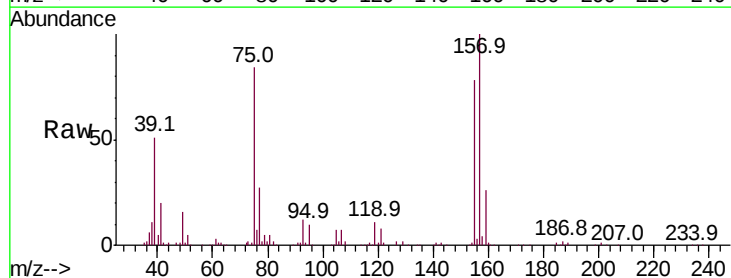
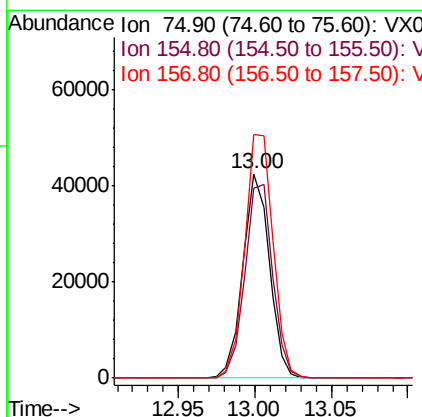
Manual Integrations
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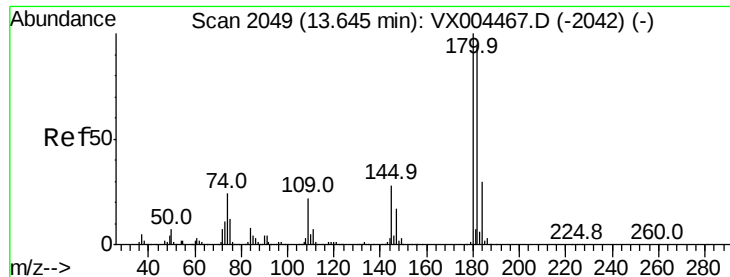
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.569 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	48.0	144.2
157	126.8	61.4	184.1





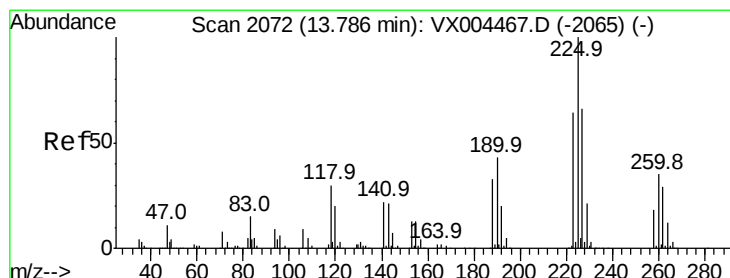
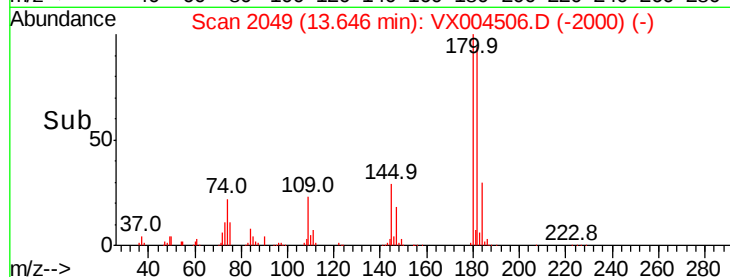
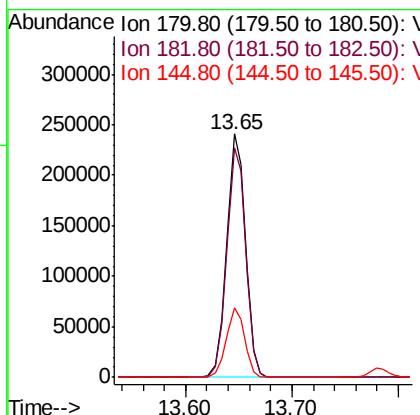
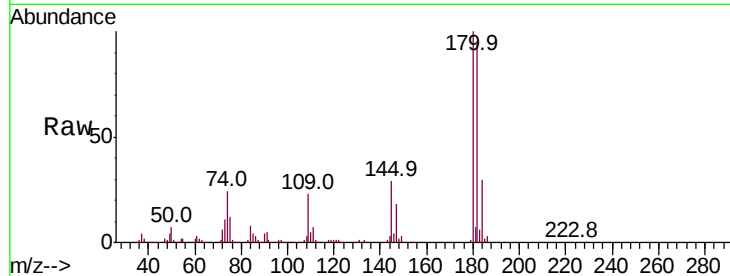
#93
 1,2,4-Trichlorobenzene
 Concen: 52.466 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	297360		
182	95.0	48.4	145.0	
145	28.2	14.3	42.9	

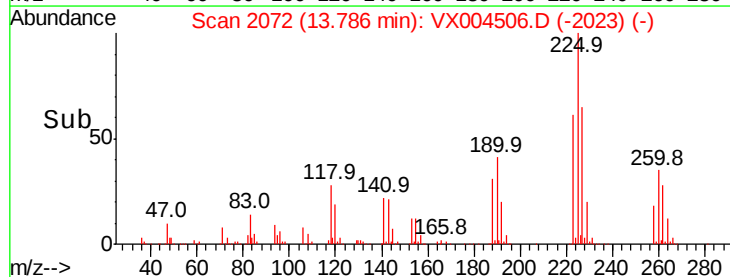
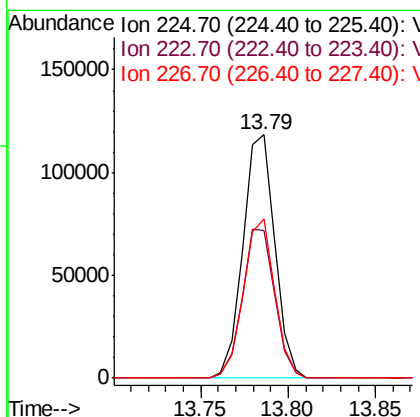
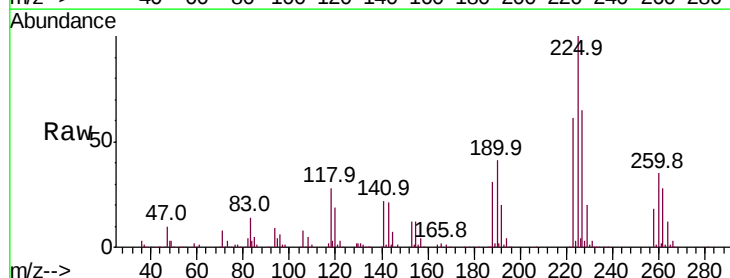
Manual Integrations
 APPROVED

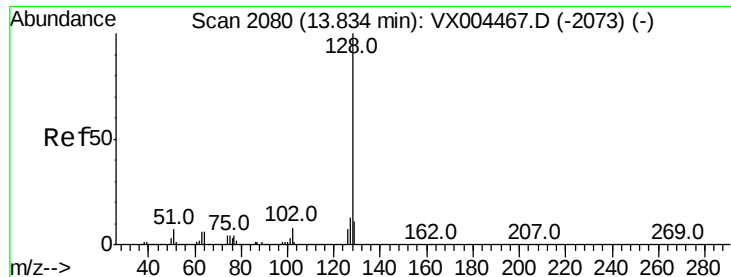
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 9/15/2018 11:23:38 AM



#94
 Hexachlorobutadiene
 Concen: 50.594 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004506.D
 Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149785		
223	62.3	30.1	90.5	
227	63.8	30.8	92.4	





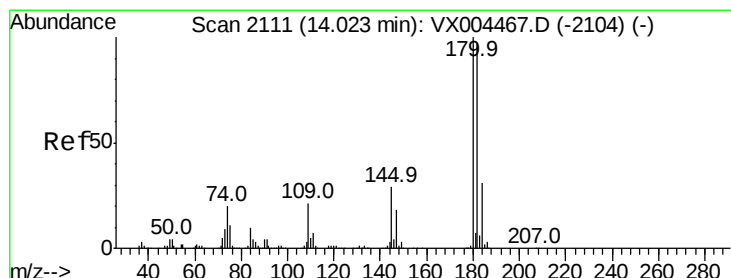
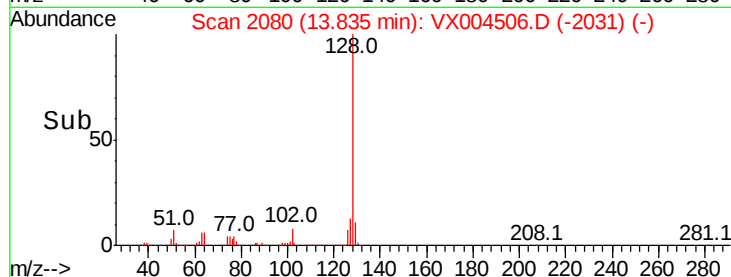
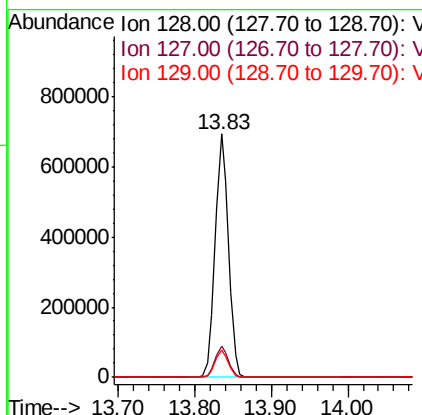
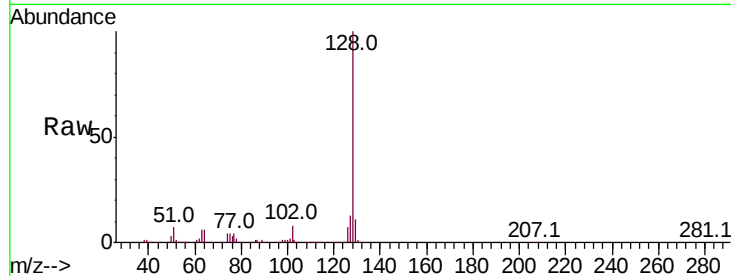
#95
Naphthalene
Concen: 52.565 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	835587		
127	12.8		10.2	15.2
129	10.9		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.853 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004506.D
Acq: 13 Sep 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	296101		
182	95.3		48.5	145.6
145	29.8		14.9	44.9

