

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111718\
 Data File : VX006061.D
 Acq On : 17 Nov 2018 11:07
 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
 11/19/2018 9:24:33 AM

Quant Time: Nov 19 00:22:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	114395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	157862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	138805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	79498	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	65696	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	5.50	113	54773	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	8.71	98	195276	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
62) 4-Bromofluorobenzene	11.14	95	71880	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	42696	41.40	ug/l	100
3) Chloromethane	1.32	50	54607	40.34	ug/l	100
4) Vinyl Chloride	1.40	62	57660	42.43	ug/l	100
5) Bromomethane	1.64	94	36313	43.67	ug/l	100
6) Chloroethane	1.71	64	38440	47.41	ug/l	98
7) Trichlorofluoromethane	1.92	101	84516	46.86	ug/l	97
8) Diethyl Ether	2.19	74	35310	49.96	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	51292	49.44	ug/l	99
10) Methyl Iodide	2.51	142	51942	41.31	ug/l	98
11) Tert butyl alcohol	3.07	59	83545	221.76	ug/l	99
12) 1,1-Dichloroethene	2.37	96	46694	46.18	ug/l	96
13) Acrolein	2.29	56	42120	235.67	ug/l	100
14) Allyl chloride	2.72	41	107567	47.63	ug/l	99
15) Acrylonitrile	3.15	53	191405	245.16	ug/l	100
16) Acetone	2.45	43	186961	264.03	ug/l	99
17) Carbon Disulfide	2.57	76	123114	40.82	ug/l	100
18) Methyl Acetate	2.78	43	100901	53.27	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	179857	52.12	ug/l	98
20) Methylene Chloride	2.85	84	54620	46.96	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	50386	47.24	ug/l	95
22) Diisopropyl ether	3.87	45	189826	47.98	ug/l	# 97
23) Vinyl Acetate	3.82	43	808798	238.45	ug/l	99
24) 1,1-Dichloroethane	3.69	63	99159	46.98	ug/l	100
25) 2-Butanone	4.70	43	268100	240.83	ug/l	100
26) 2,2-Dichloropropane	4.58	77	80927	52.27	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	56275	47.79	ug/l	100
28) Bromochloromethane	5.02	49	48594	51.52	ug/l	97
29) Tetrahydrofuran	5.15	42	167421	234.23	ug/l	99
30) Chloroform	5.21	83	98462	48.35	ug/l	98
31) Cyclohexane	5.57	56	82618	45.10	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	84980	50.03	ug/l	99
36) 1,1-Dichloropropene	5.79	75	71682	47.10	ug/l	97
37) Ethyl Acetate	4.85	43	94865	47.40	ug/l	100
38) Carbon Tetrachloride	5.77	117	73827	48.46	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79557	51.58	ug/l	99
40) Benzene	6.14	78	214221	48.29	ug/l	99
41) Methacrylonitrile	5.06	41	53830	49.78	ug/l	99
42) 1,2-Dichloroethane	6.20	62	80233	50.49	ug/l	100
43) Isopropyl Acetate	6.46	43	140690	48.52	ug/l	97
44) Trichloroethene	7.21	130	57894	51.39	ug/l	100
45) 1,2-Dichloropropane	7.51	63	59875	55.60	ug/l	100
46) Dibromomethane	7.66	93	37405	55.36	ug/l	99
47) Bromodichloromethane	7.90	83	75415	59.06	ug/l	97
48) Methyl methacrylate	7.77	41	74411	57.15	ug/l	99
49) 1,4-Dioxane	7.75	88	29291	1043.95	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	501176	274.23	ug/l	99
52) Toluene	8.79	92	127753	51.52	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	78907	52.36	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	90855	59.15	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	54464	49.29	ug/l	98
56) Ethyl methacrylate	9.18	69	84316	50.99	ug/l	98
57) 1,3-Dichloropropane	9.37	76	90331	48.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	246690	273.02	ug/l	99
59) 2-Hexanone	9.49	43	390266	242.26	ug/l	98
60) Dibromochloromethane	9.59	129	58414	48.91	ug/l	99
61) 1,2-Dibromoethane	9.67	107	56321	46.09	ug/l	99
64) Tetrachloroethene	9.34	164	57840	48.94	ug/l	99
65) Chlorobenzene	10.14	112	144860	52.09	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	54483	56.36	ug/l	99
67) Ethyl Benzene	10.25	91	249243	55.90	ug/l	99
68) m/p-Xylenes	10.36	106	192696	113.30	ug/l	99
69) o-Xylene	10.70	106	91383	59.92	ug/l	100
70) Styrene	10.71	104	157542	62.62	ug/l	99
71) Bromoform	10.86	173	49008	60.47	ug/l #	99
73) Isopropylbenzene	11.02	105	258295	56.18	ug/l	100
74) N-amyl acetate	10.90	43	123945	48.10	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	88855	52.66	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	86288m	53.31	ug/l	
77) Bromobenzene	11.26	156	68170	52.61	ug/l	99
78) n-propylbenzene	11.36	91	302093	55.76	ug/l	100
79) 2-Chlorotoluene	11.42	91	178388	54.47	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	219805	56.26	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	29160	57.41	ug/l	95
82) 4-Chlorotoluene	11.51	91	211488	54.80	ug/l	99
83) tert-Butylbenzene	11.77	119	219355	55.50	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	229178	53.16	ug/l	100
85) sec-Butylbenzene	11.94	105	268192	55.49	ug/l	100
86) p-Isopropyltoluene	12.07	119	244991	57.23	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	130817	52.60	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	132353	51.99	ug/l	100
89) n-Butylbenzene	12.39	91	218860	55.16	ug/l	100
90) Hexachloroethane	12.60	117	40168	56.20	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	129876	52.13	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21154	51.37	ug/l	95

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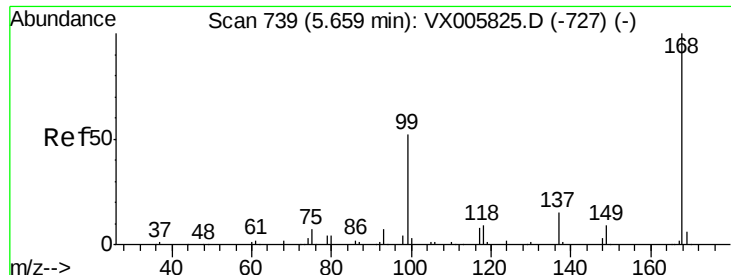
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	101060	57.62	ug/l	100
94) Hexachlorobutadiene	13.79	225	50571	54.89	ug/l	98
95) Naphthalene	13.83	128	294950	51.53	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	99572	55.73	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 114395

Ion Ratio Lower Upper

168 100

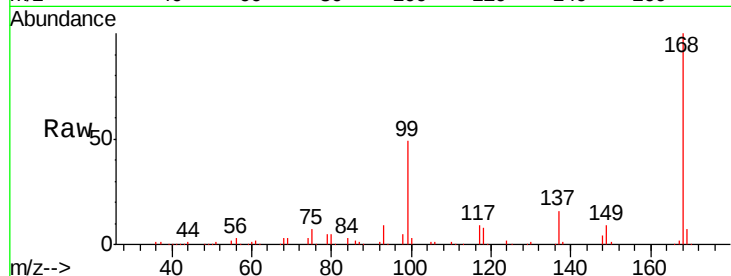
99 49.3 40.7 61.1

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

40000

30000

20000

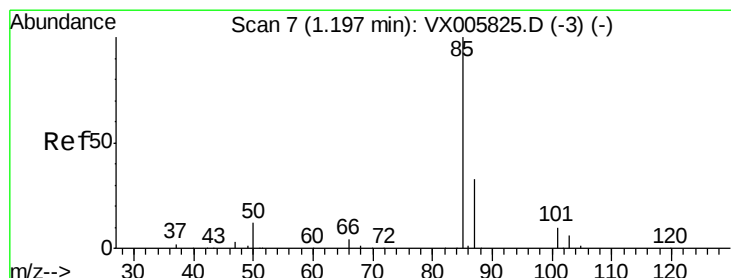
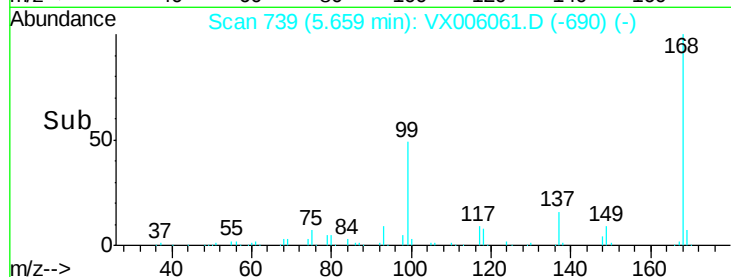
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0

5.66

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.40 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006061.D

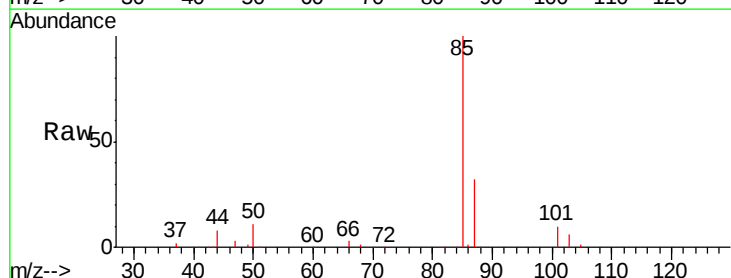
Acq: 17 Nov 2018 11:07

Tgt Ion: 85 Resp: 42696

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

30000

20000

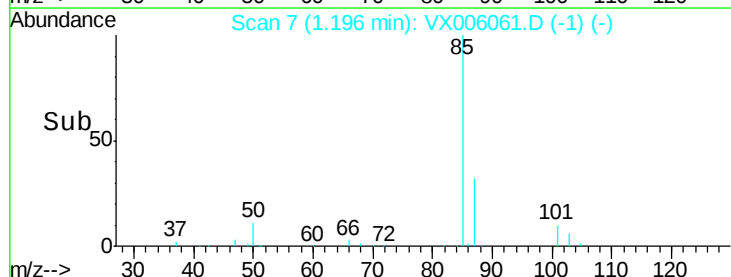
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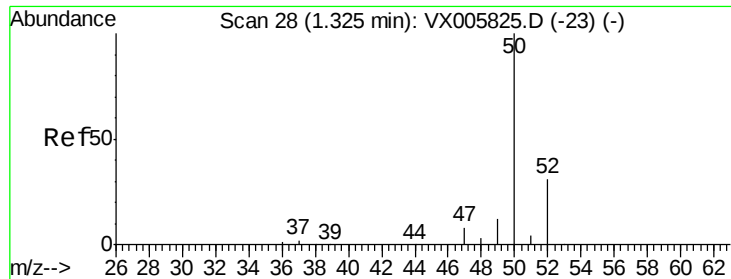
0

1.20

1.30

Time-->





#3

Chloromethane

Concen: 40.34 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 54607

Ion Ratio Lower Upper

50 100

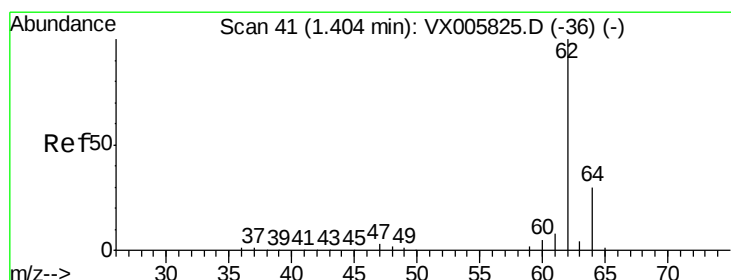
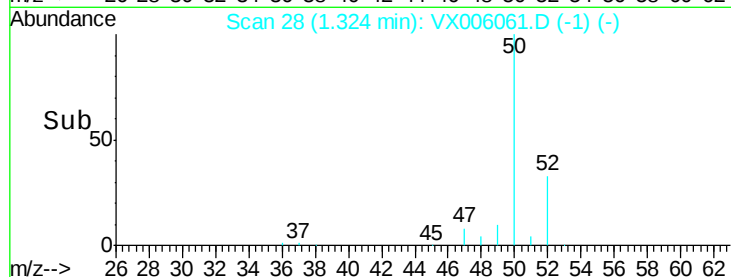
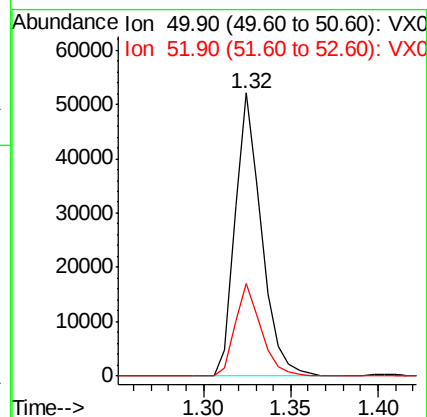
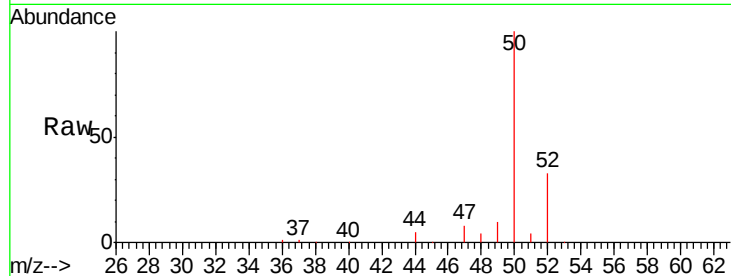
52 32.6 26.2 39.2

Manual Integrations

APPROVED

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11/19/2018 9:24:33 AM



#4

Vinyl Chloride

Concen: 42.43 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX006061.D

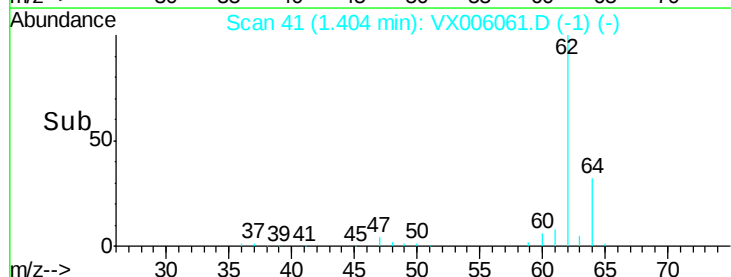
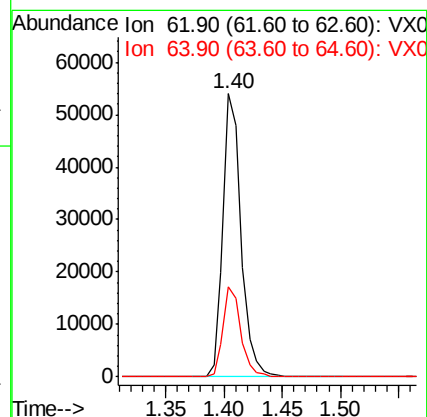
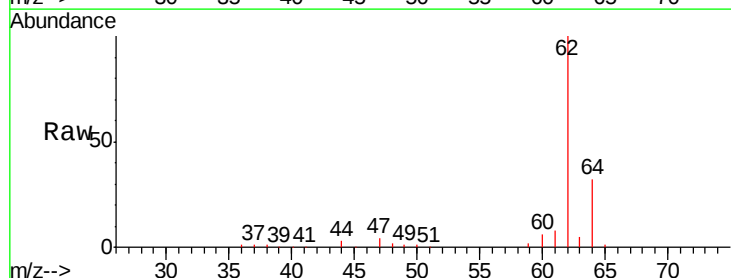
Acq: 17 Nov 2018 11:07

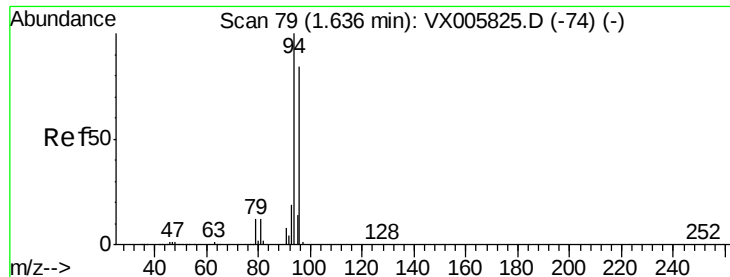
Tgt Ion: 62 Resp: 57660

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 43.67 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 36313

Ion Ratio Lower Upper

94 100

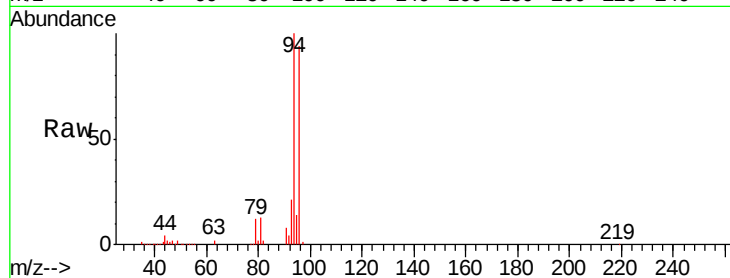
96 93.9 75.2 112.8

Manual Integrations

APPROVED

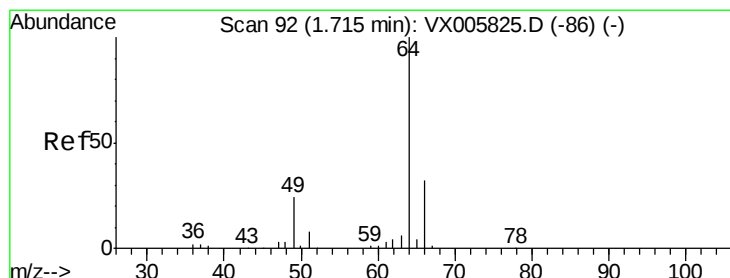
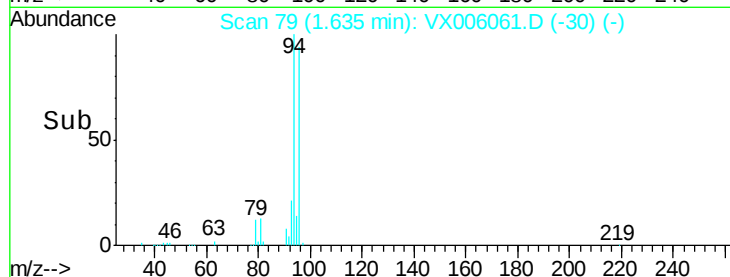
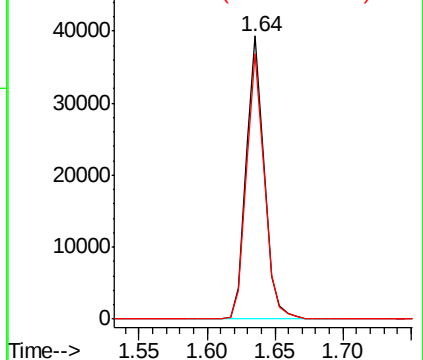
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.41 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006061.D

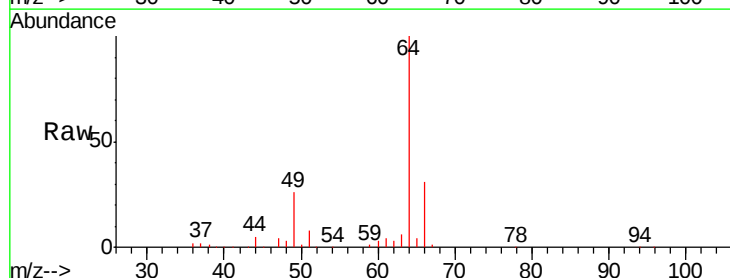
Acq: 17 Nov 2018 11:07

Tgt Ion: 64 Resp: 38440

Ion Ratio Lower Upper

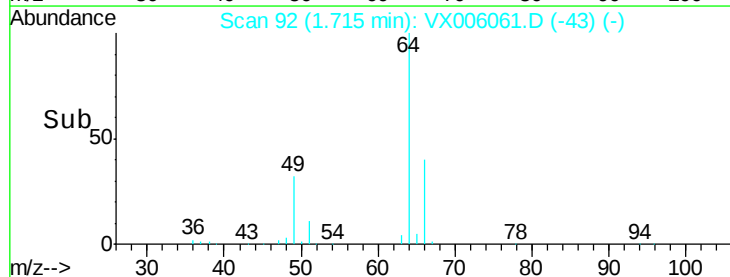
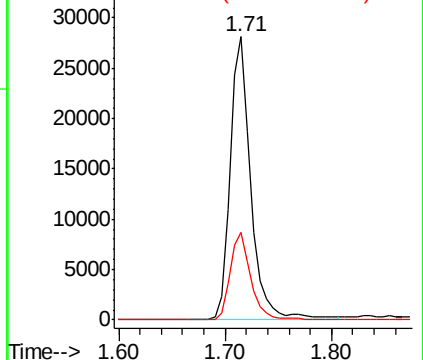
64 100

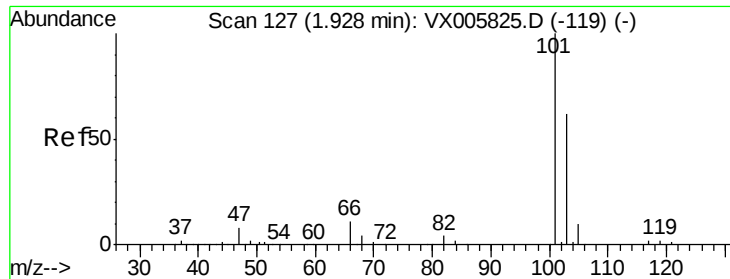
66 31.1 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

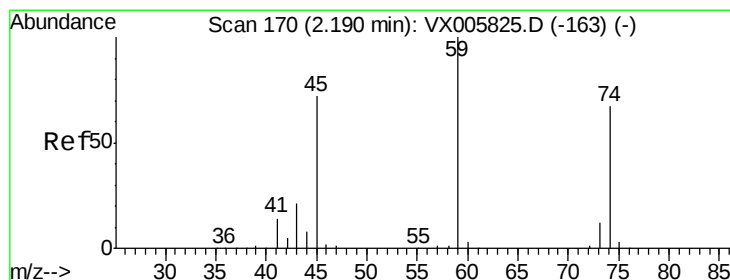
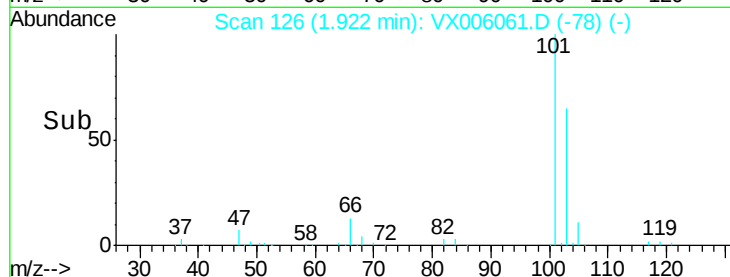
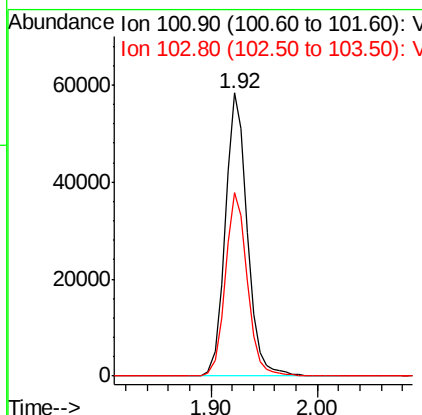
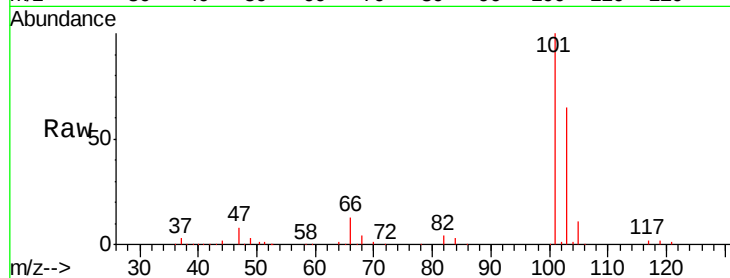
Trichlorofluoromethane
 Concen: 46.86 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 84516
 Ion Ratio Lower Upper
 101 100
 103 64.9 50.0 75.0

Manual Integrations
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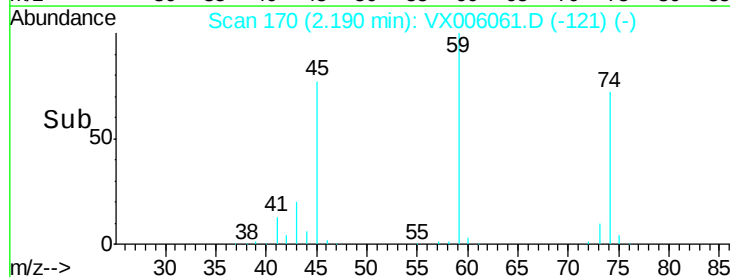
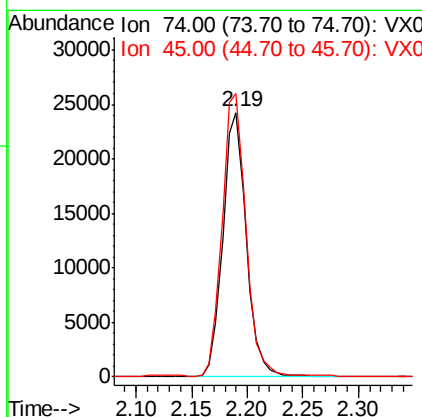
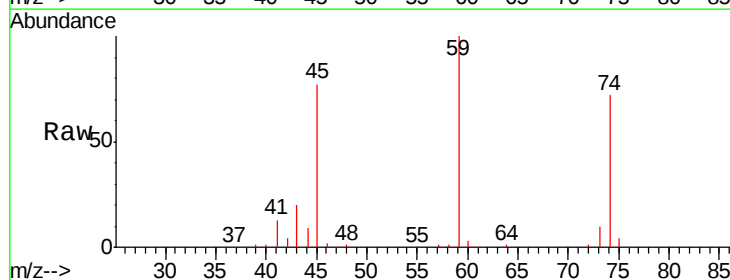
MMDadoda
 11/19/2018 9:24:33 AM

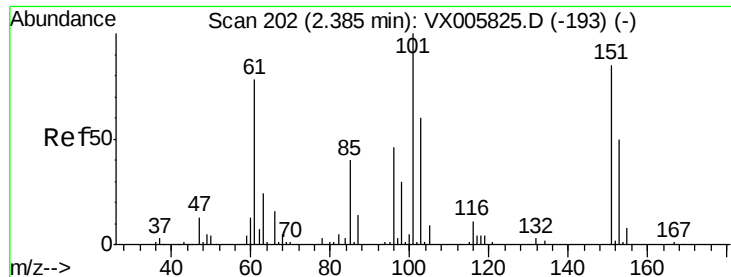


#8

Diethyl Ether
 Concen: 49.96 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Tgt Ion: 74 Resp: 35310
 Ion Ratio Lower Upper
 74 100
 45 109.4 54.1 162.3





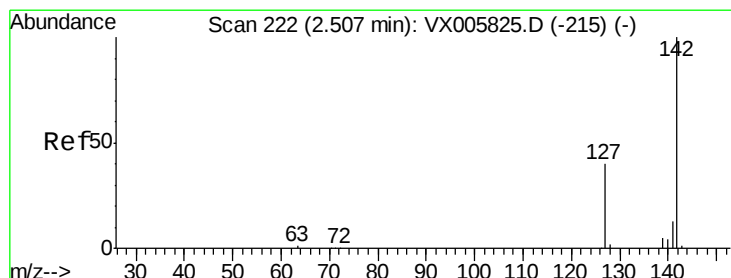
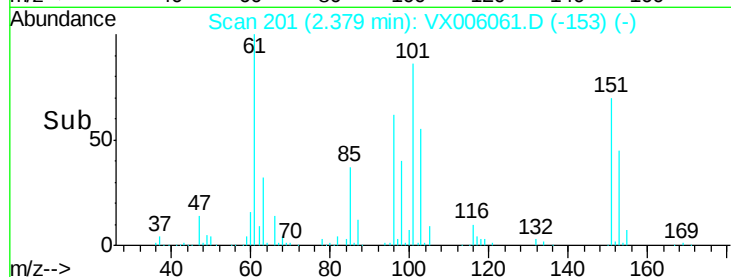
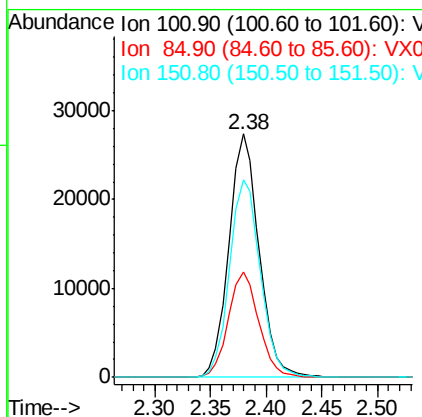
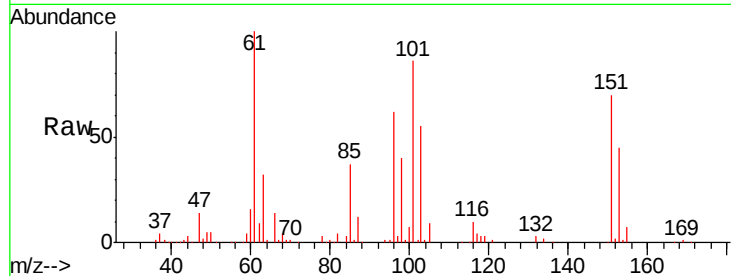
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.44 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.01 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.0	52.4
151	83.4	66.2	99.2

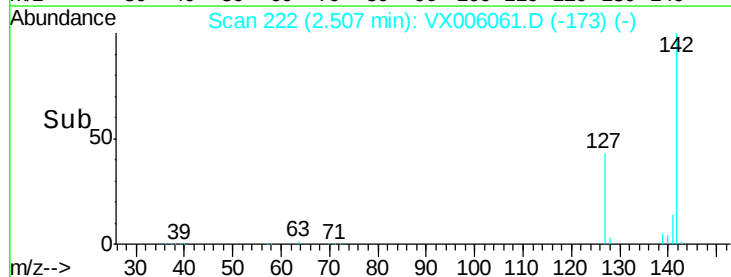
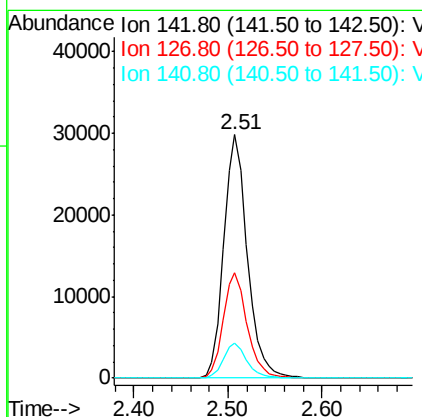
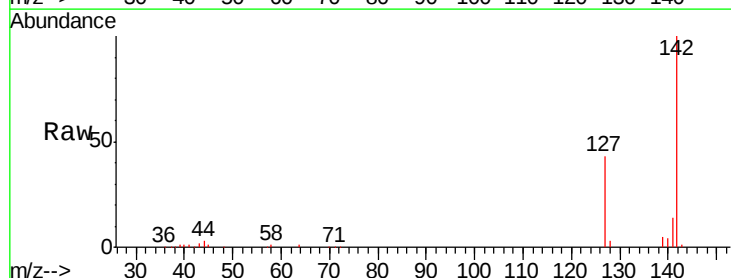
Manual Integrations
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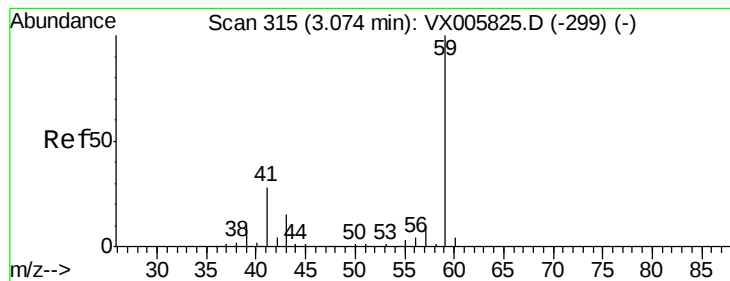
MMDadoda
 11/19/2018 9:24:33 AM



#10
 Methyl Iodide
 Concen: 41.31 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.9	36.0	54.0
141	14.1	11.7	17.5





#11

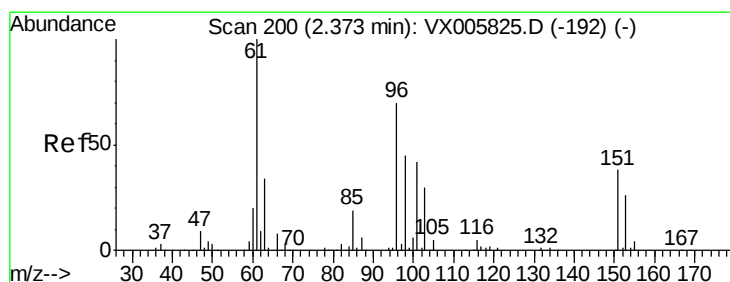
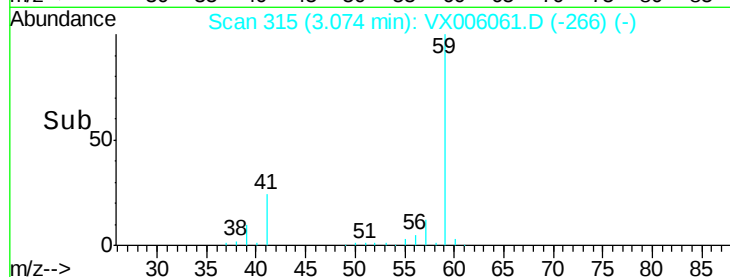
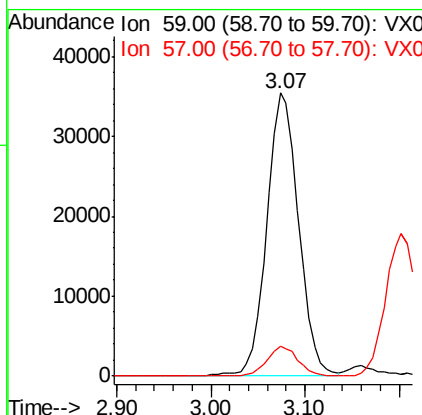
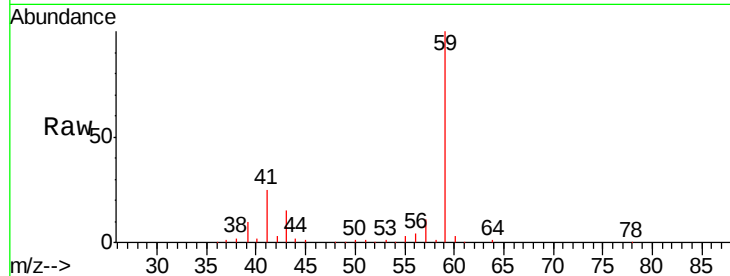
Tert butyl alcohol
Concen: 221.76 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Manual Integrations
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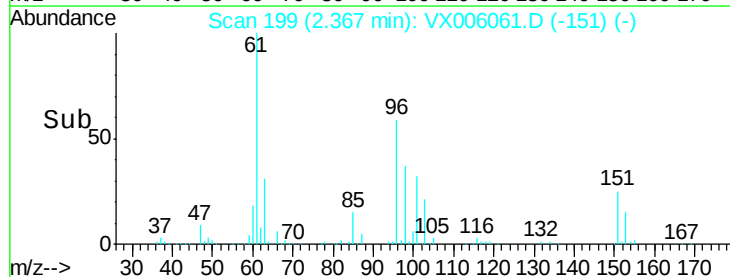
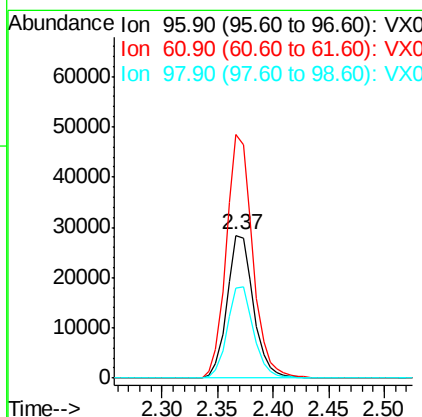
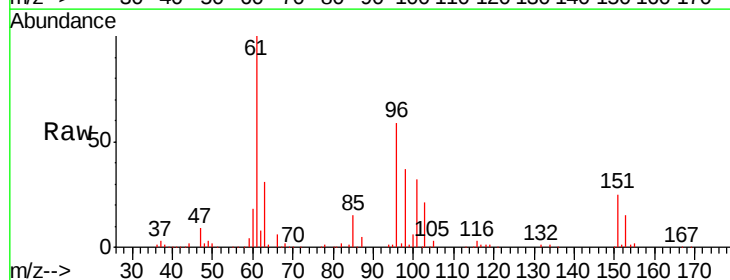
MMDadoda
11/19/2018 9:24:33 AM

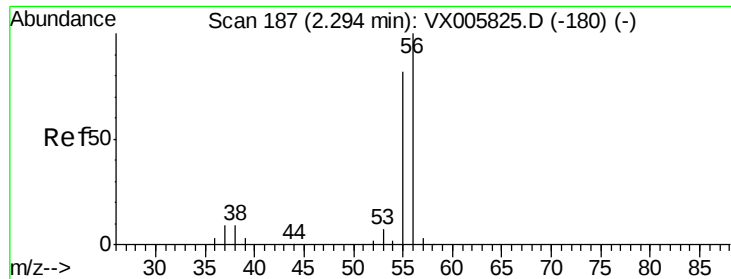


#12

1,1-Dichloroethene
Concen: 46.18 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.6	131.8	197.8
98	62.9	53.4	80.2





#13

Acrolein

Concen: 235.67 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 42120

Ion Ratio Lower Upper

56 100

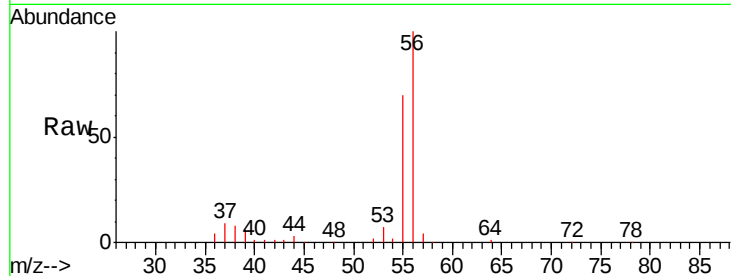
55 71.3 57.3 85.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

25000

20000

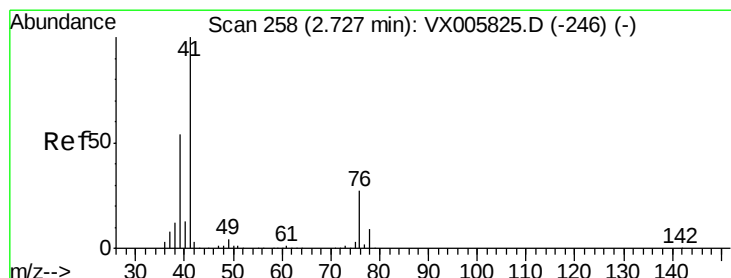
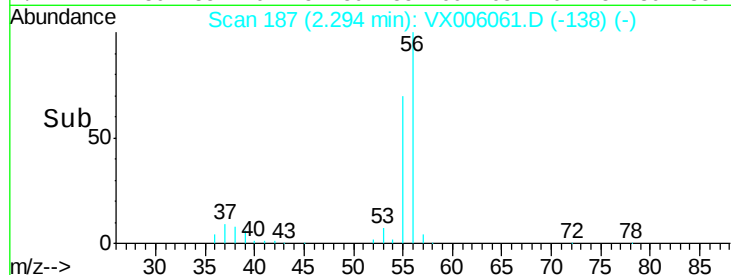
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 47.63 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

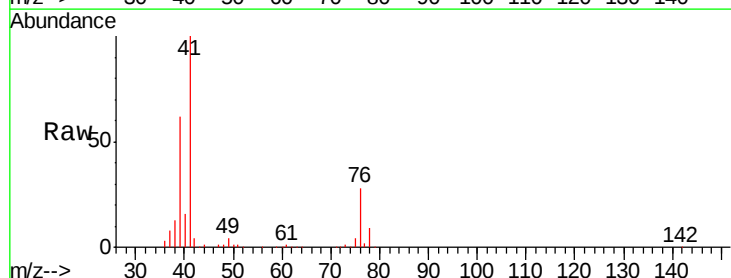
Tgt Ion: 41 Resp: 107567

Ion Ratio Lower Upper

41 100

39 60.0 48.2 72.4

76 28.8 21.9 32.9



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

2.72

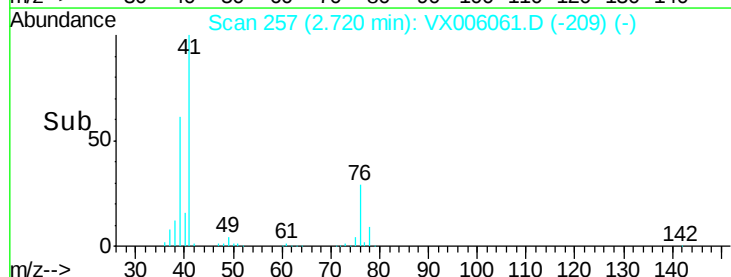
60000

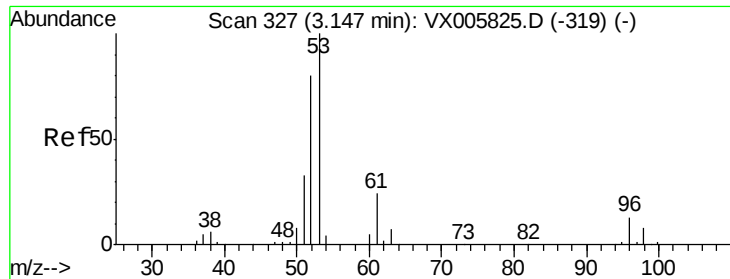
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 245.16 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

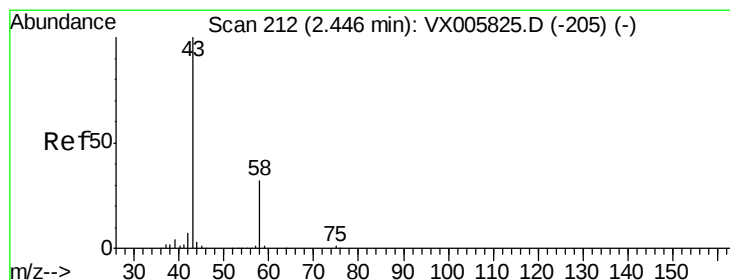
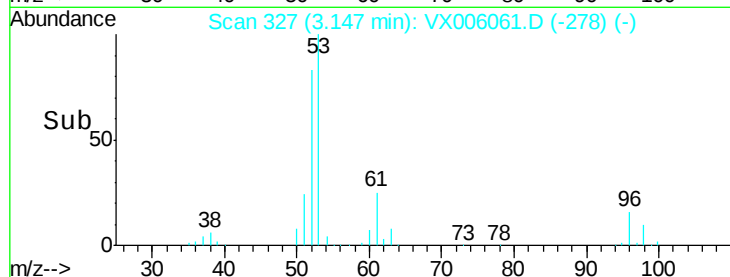
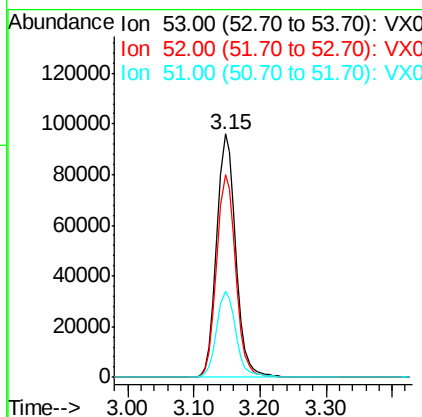
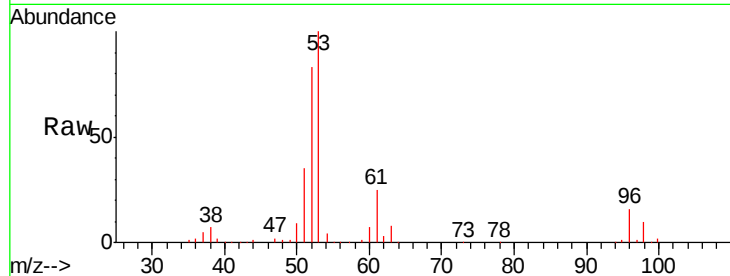
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	191405
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.6	99.8
51	35.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 264.03 ug/l

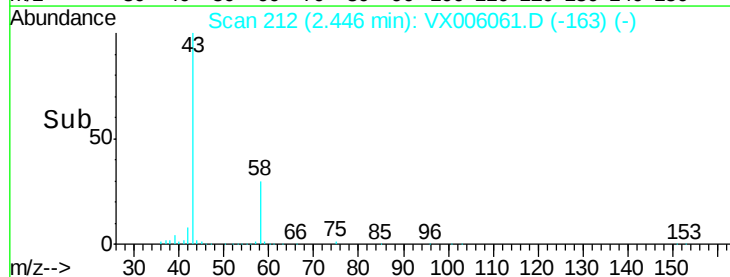
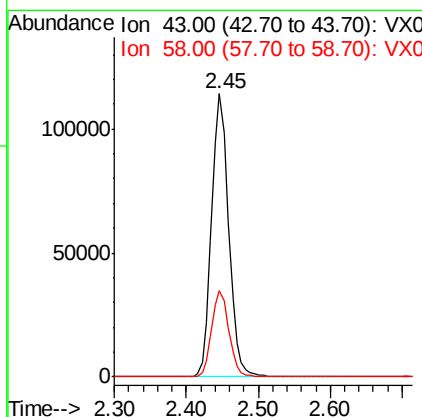
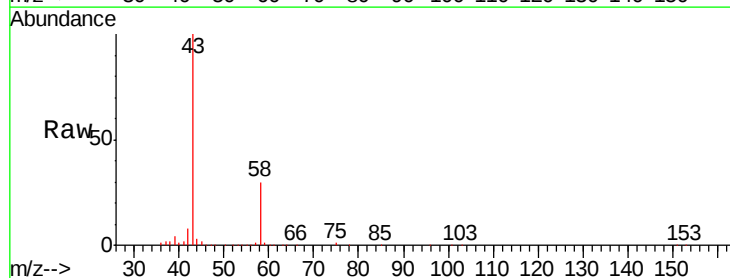
RT: 2.45 min Scan# 212

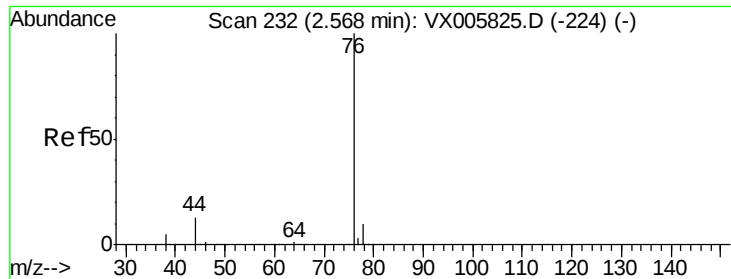
Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Tgt Ion:	43	Resp:	186961
Ion Ratio		Lower	Upper
43	100		
58	30.3	23.8	35.6





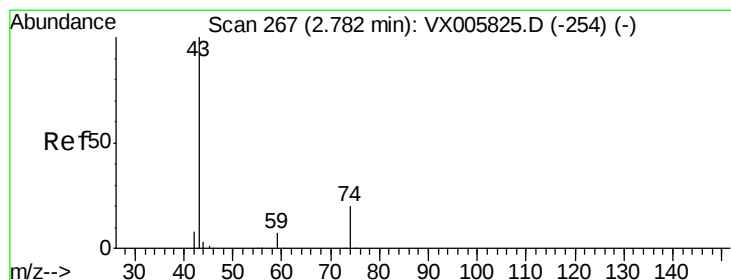
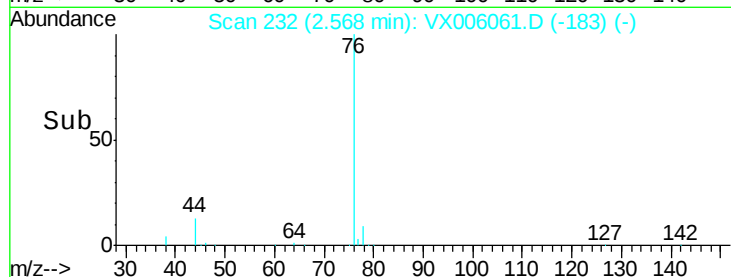
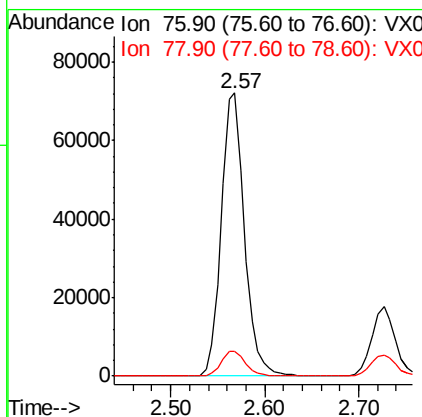
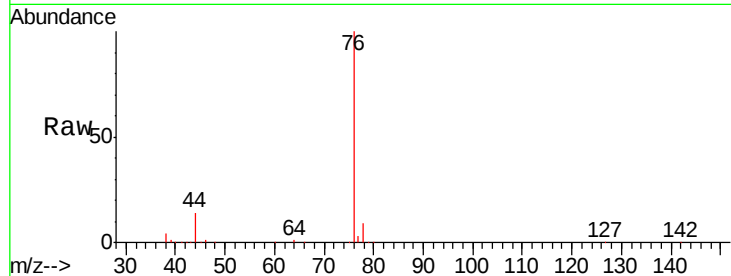
#17
Carbon Disulfide
Concen: 40.82 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 123114
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

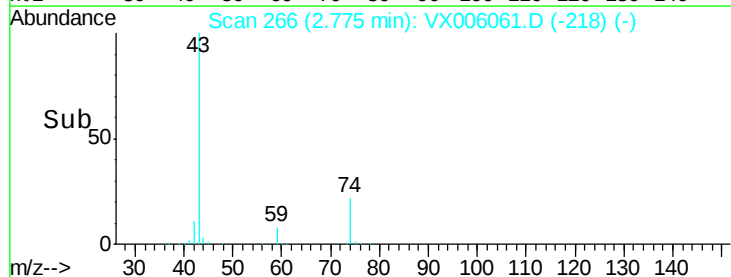
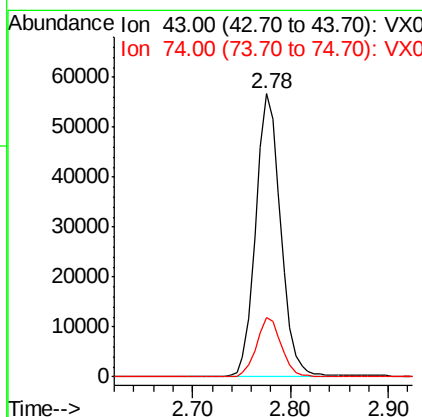
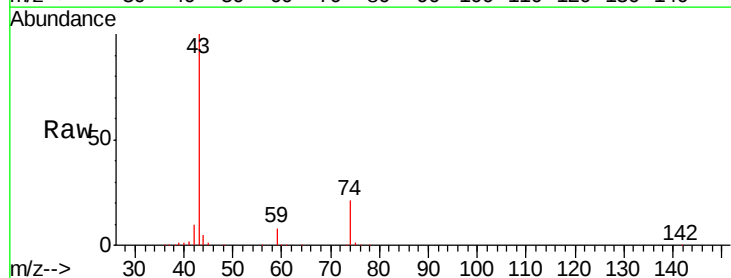
Manual Integrations
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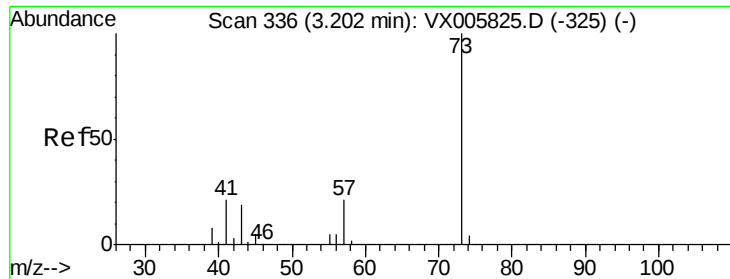
MMDadoda
11/19/2018 9:24:33 AM



#18
Methyl Acetate
Concen: 53.27 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion: 43 Resp: 100901
Ion Ratio Lower Upper
43 100
74 21.1 16.8 25.2





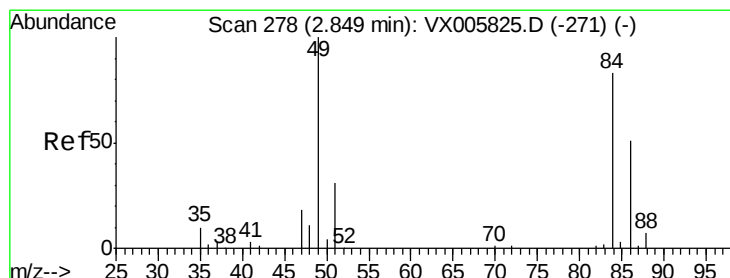
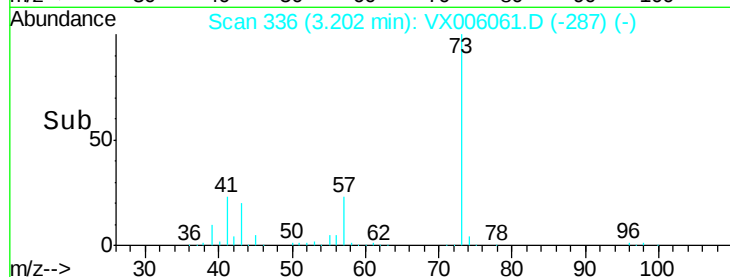
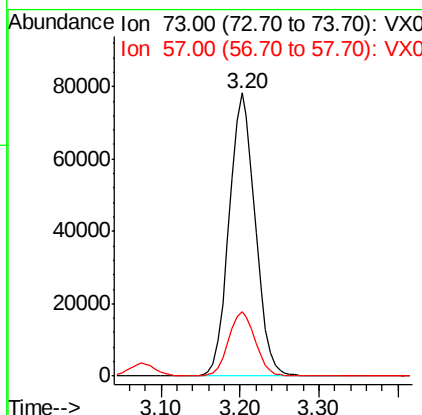
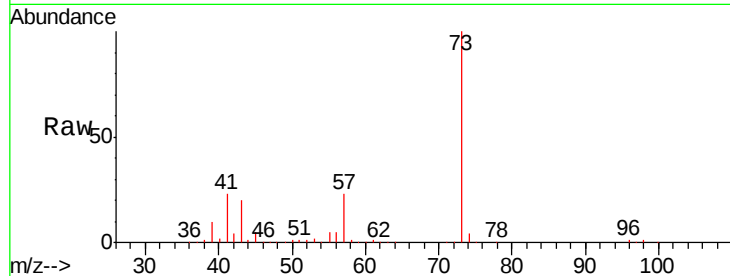
#19
Methyl tert-butyl Ether
Concen: 52.12 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 179857
Ion Ratio Lower Upper
73 100
57 22.8 18.8 28.2

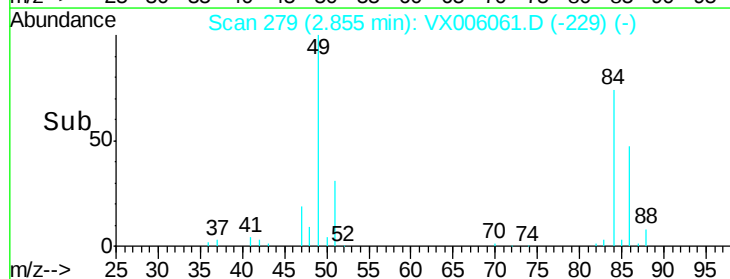
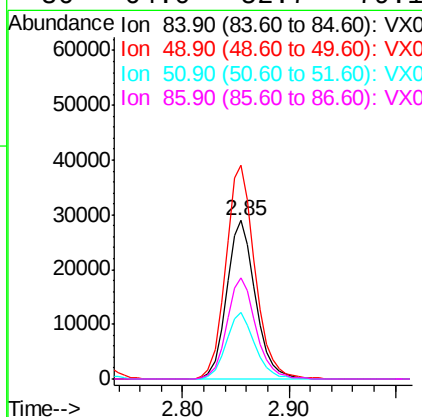
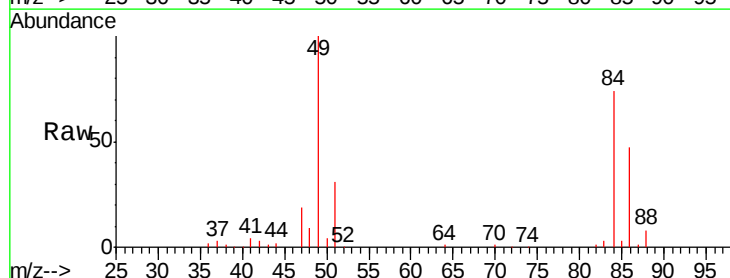
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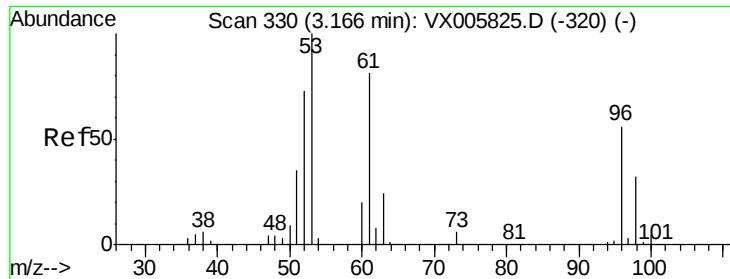
MMDadoda
11/19/2018 9:24:33 AM



#20
Methylene Chloride
Concen: 46.96 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion: 84 Resp: 54620
Ion Ratio Lower Upper
84 100
49 134.8 109.5 164.3
51 41.7 33.3 49.9
86 64.0 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 47.24 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

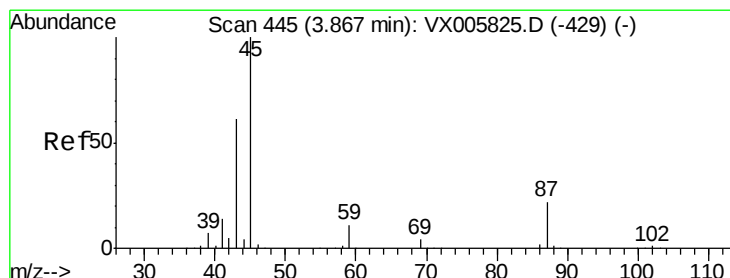
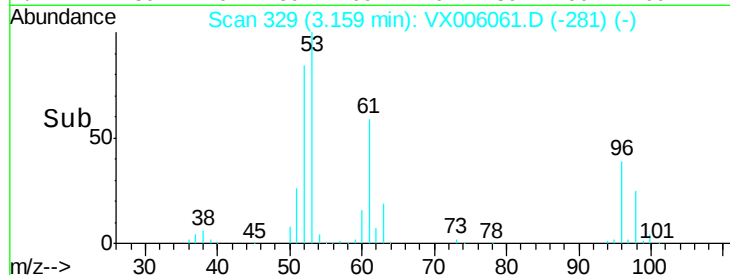
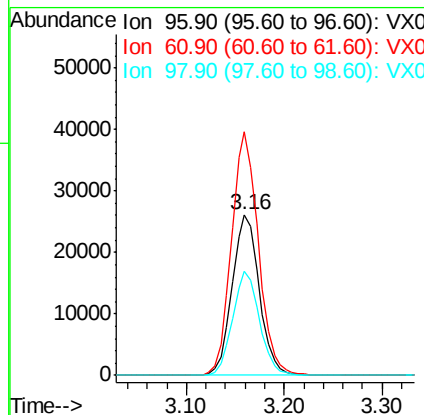
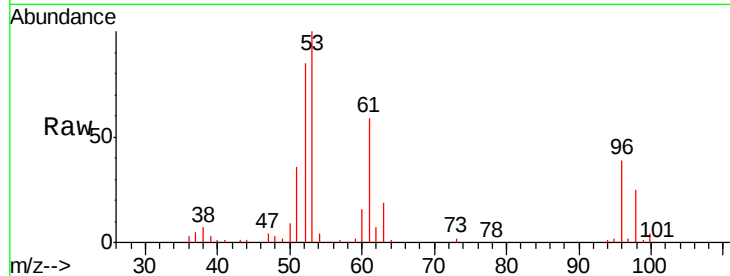
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	50386
Ion	Ratio	Lower	Upper
96	100		
61	151.7	115.6	173.4
98	65.1	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.98 ug/l

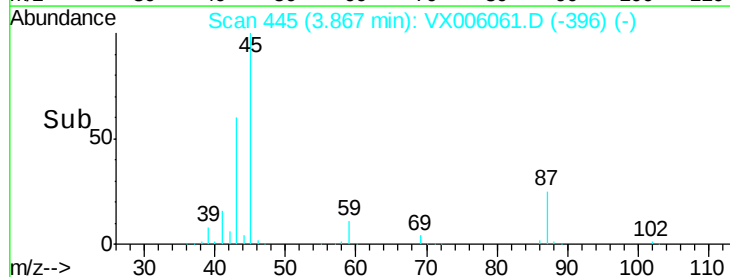
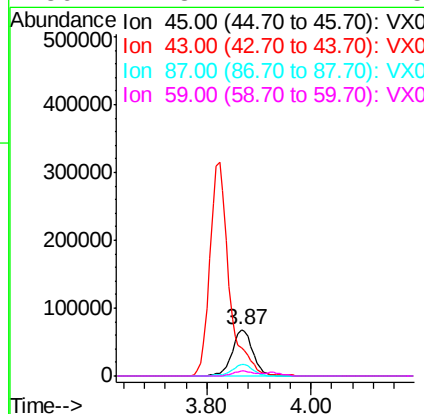
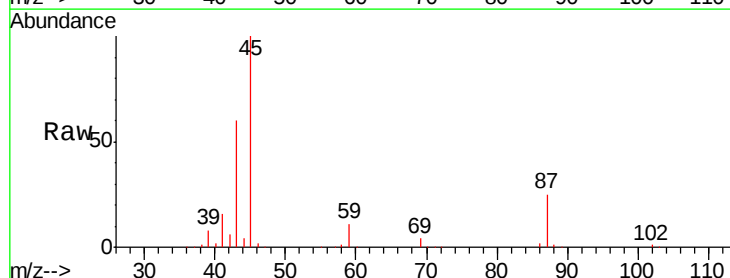
RT: 3.87 min Scan# 445

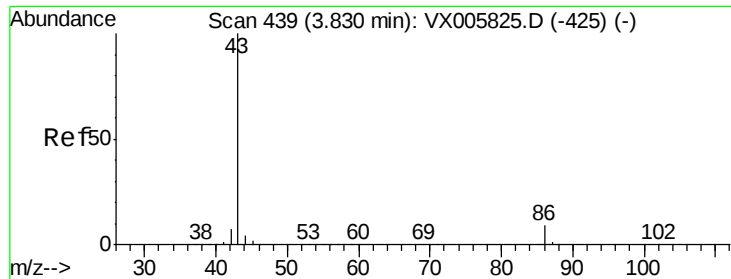
Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Tgt Ion:	45	Resp:	189826
Ion	Ratio	Lower	Upper
45	100		
43	59.9	47.4	71.2
87	24.7	15.9	23.9#
59	11.3	7.7	11.5





#23

Vinyl Acetate

Concen: 238.45 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 808798

Ion Ratio Lower Upper

43 100

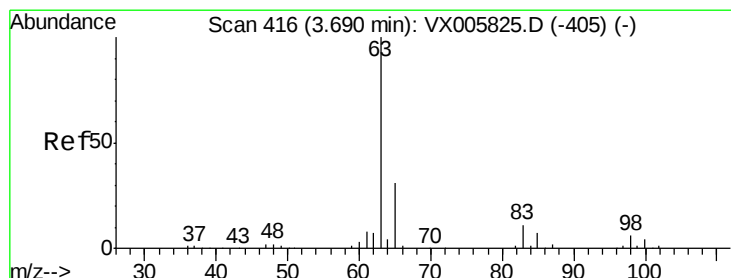
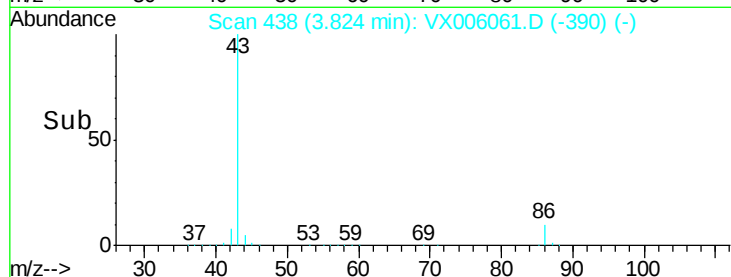
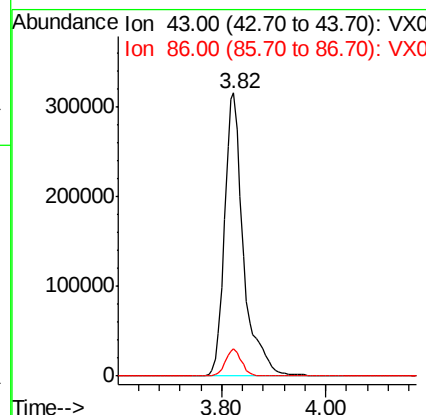
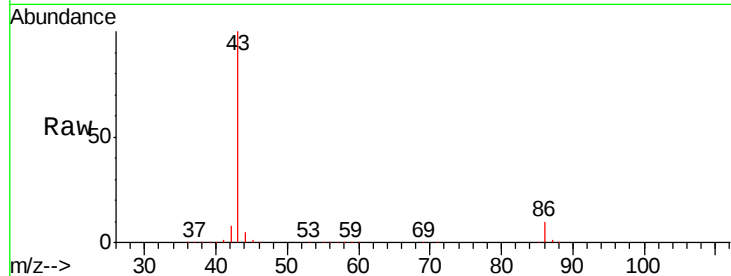
86 9.7 7.4 11.2

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#24

1,1-Dichloroethane

Concen: 46.98 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

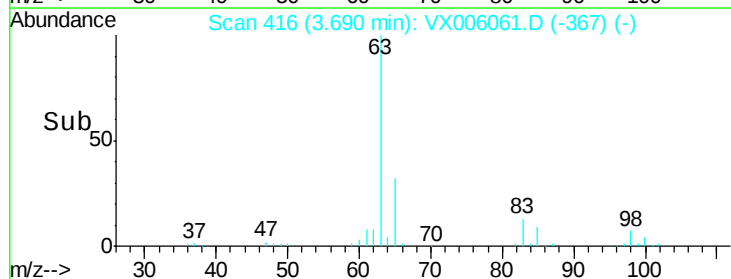
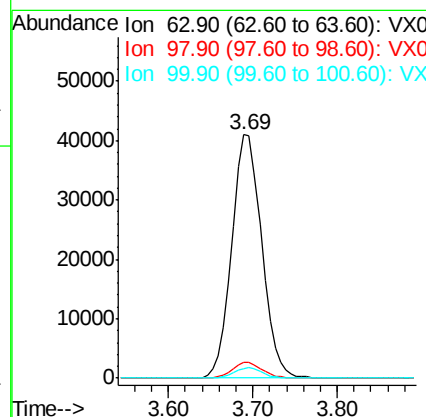
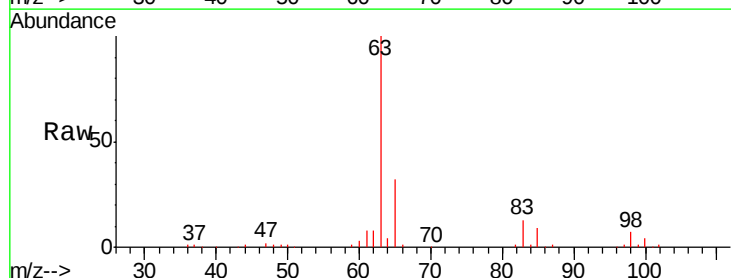
Tgt Ion: 63 Resp: 99159

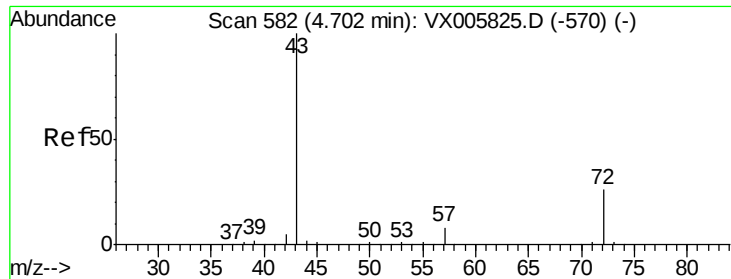
Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 240.83 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 268100

Ion Ratio Lower Upper

43 100

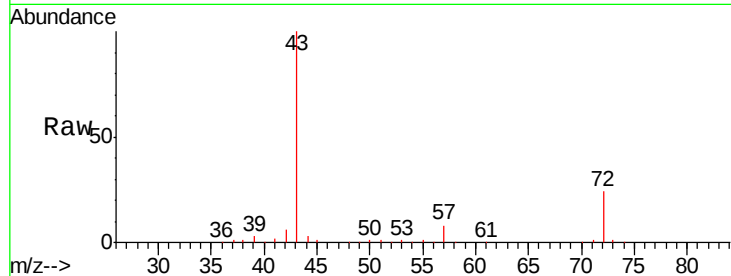
72 24.2 19.2 28.8

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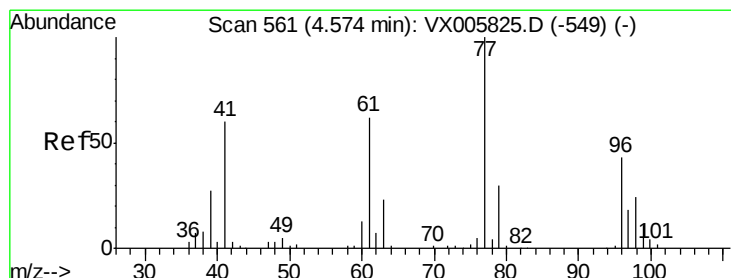
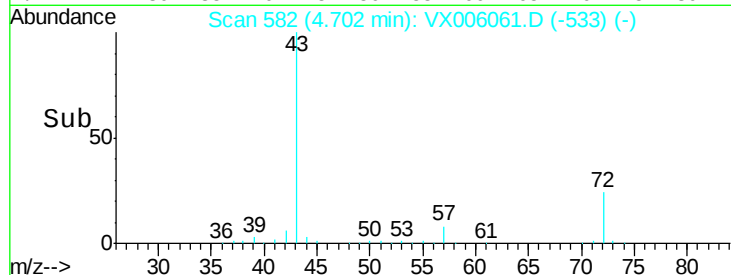
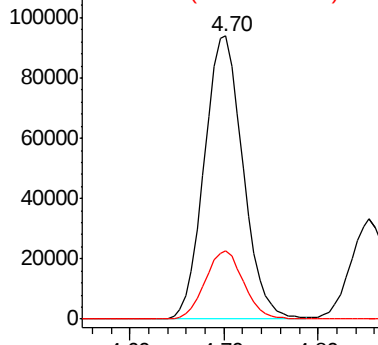
MMDadoda

11/19/2018 9:24:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 52.27 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX006061.D

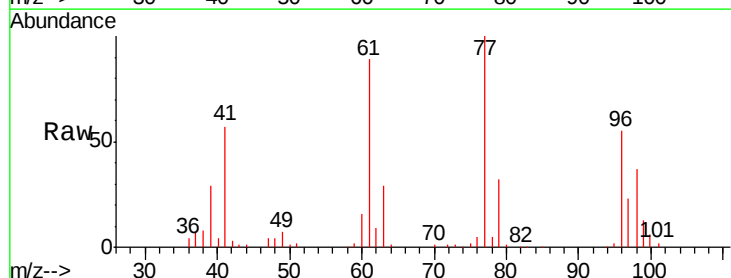
Acq: 17 Nov 2018 11:07

Tgt Ion: 77 Resp: 80927

Ion Ratio Lower Upper

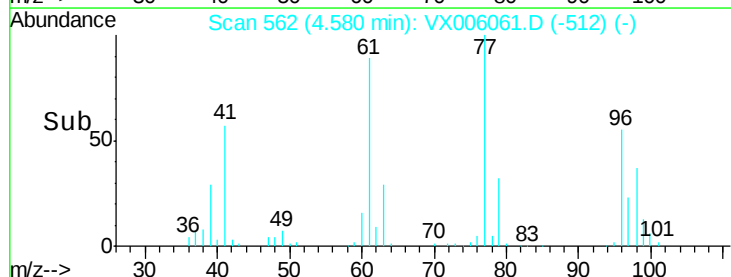
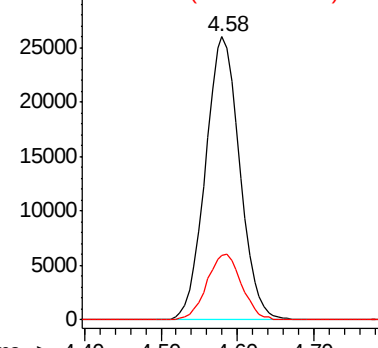
77 100

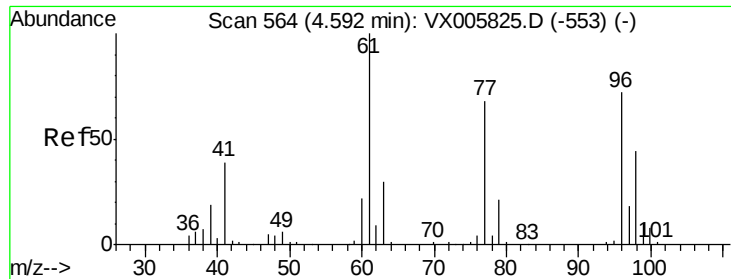
97 23.5 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

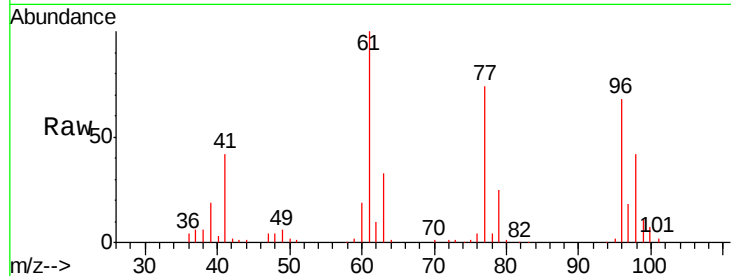
cis-1,2-Dichloroethene
Concen: 47.79 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	304.6
98	64.1	0.0	127.4

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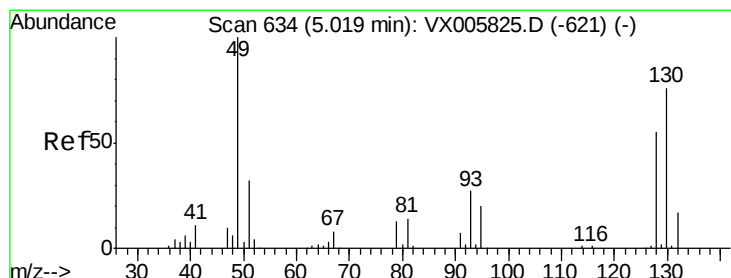
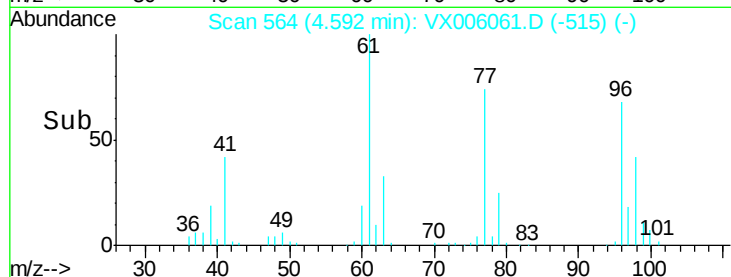
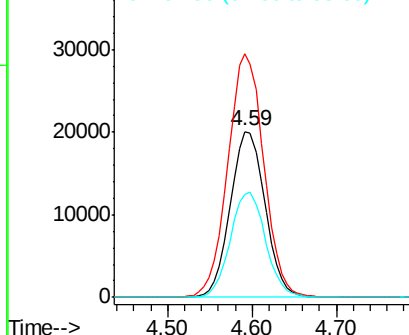


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

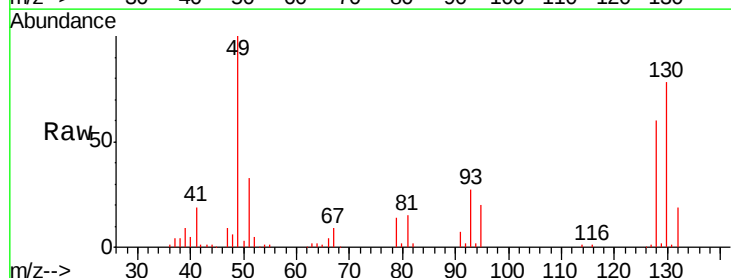
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 51.52 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	76.2	58.9	88.3

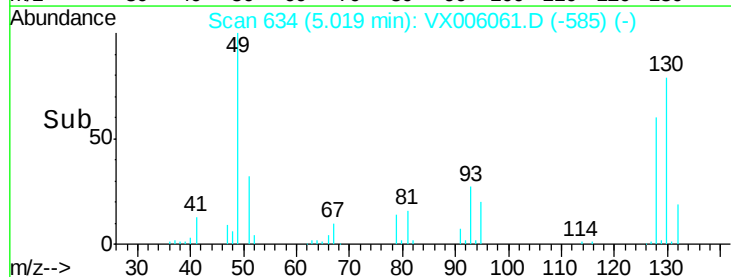
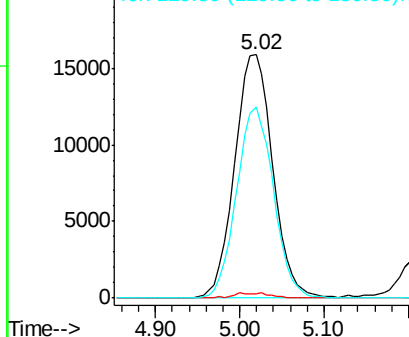


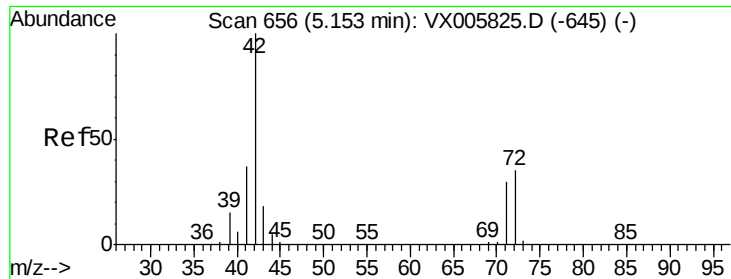
Abundance

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





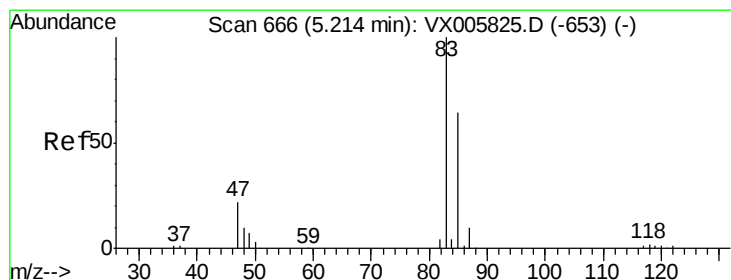
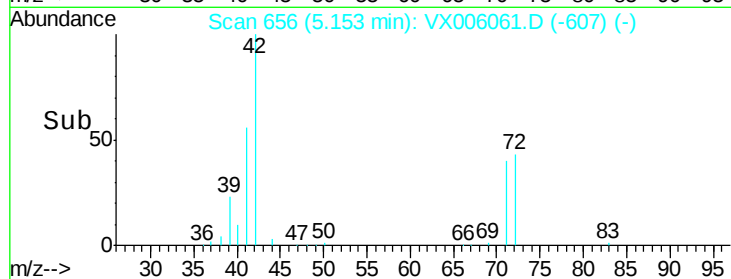
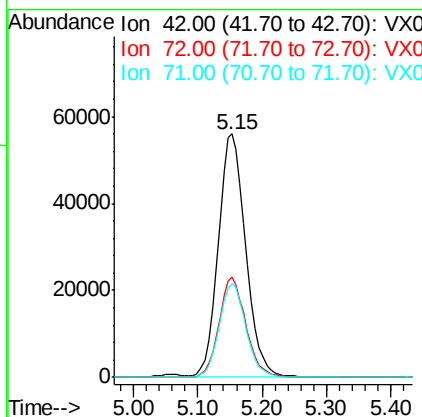
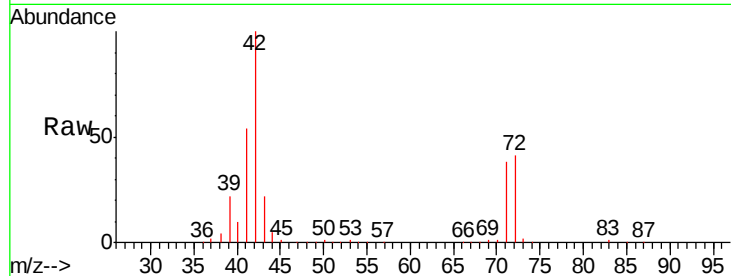
#29
Tetrahydrofuran
Concen: 234.23 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.0	48.0
71	37.8	29.8	44.8

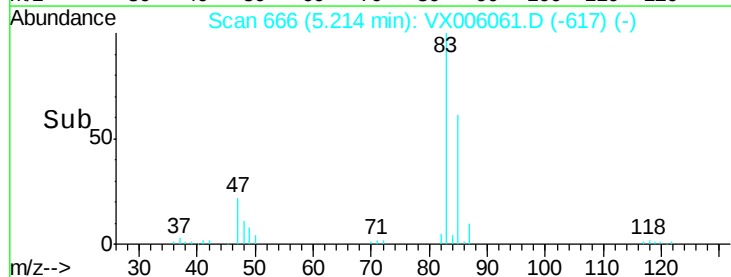
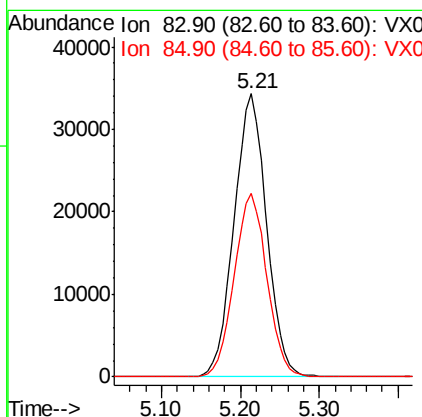
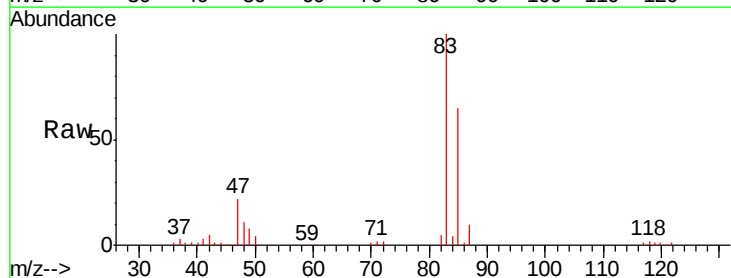
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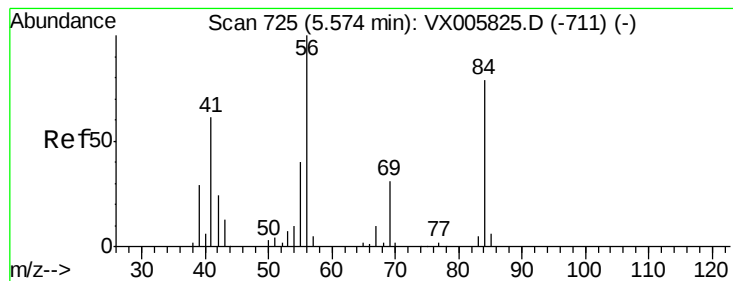
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#30
Chloroform
Concen: 48.35 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0





#31

Cyclohexane

Concen: 45.10 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

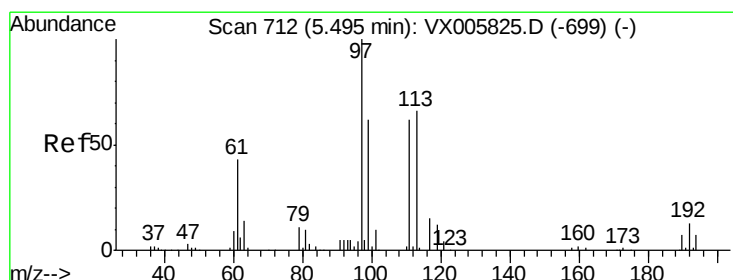
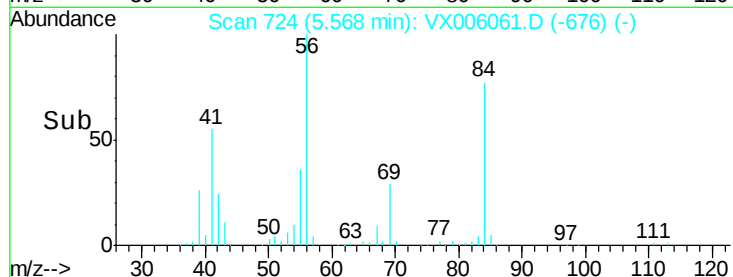
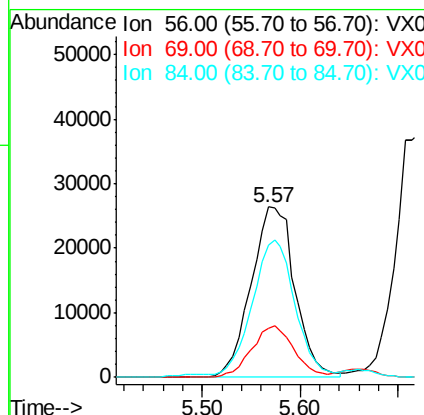
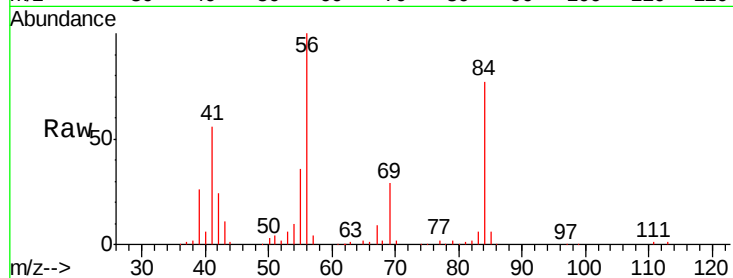
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	82618
Ion	Ratio	Lower	Upper
56	100		
69	28.8	22.6	34.0
84	75.7	62.7	94.1

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#32

1,1,1-Trichloroethane

Concen: 50.03 ug/l

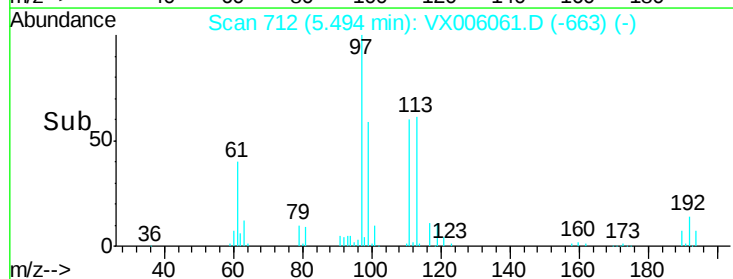
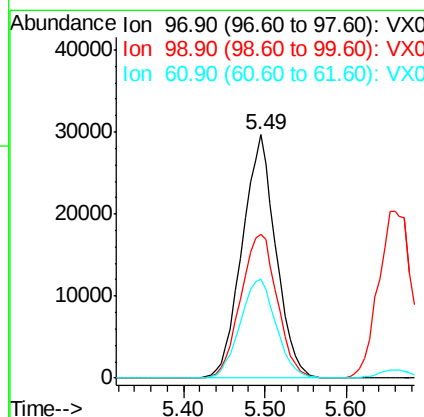
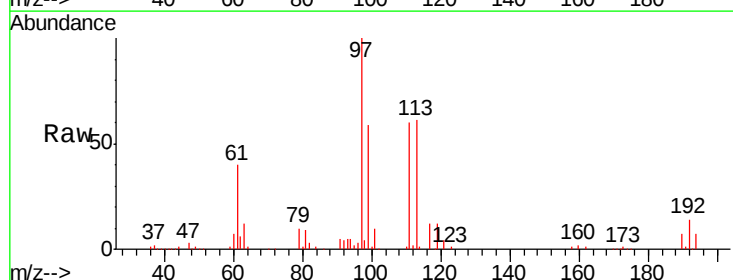
RT: 5.49 min Scan# 712

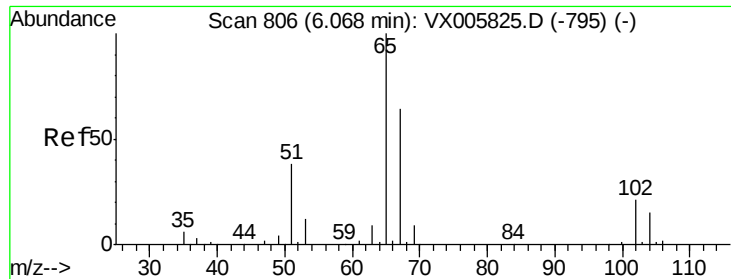
Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Tgt Ion:	97	Resp:	84980
Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.3	78.5
61	43.5	35.2	52.8





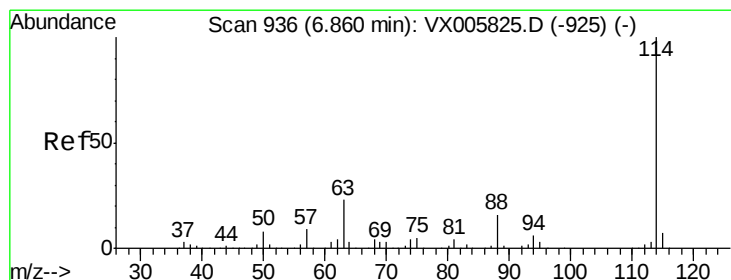
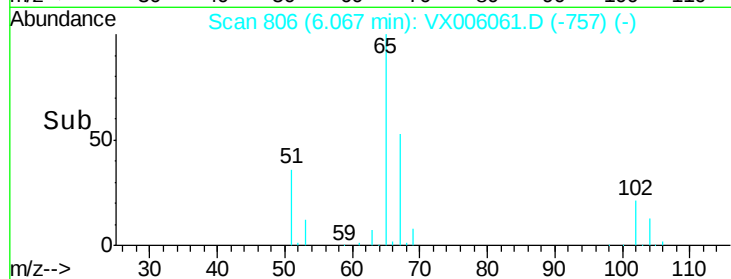
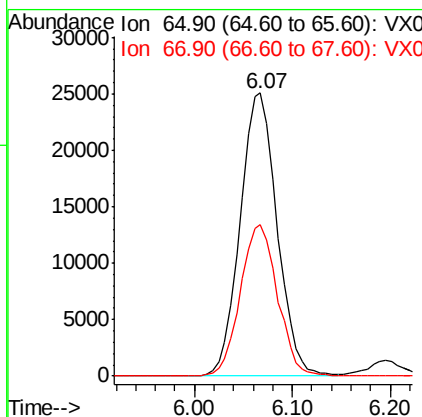
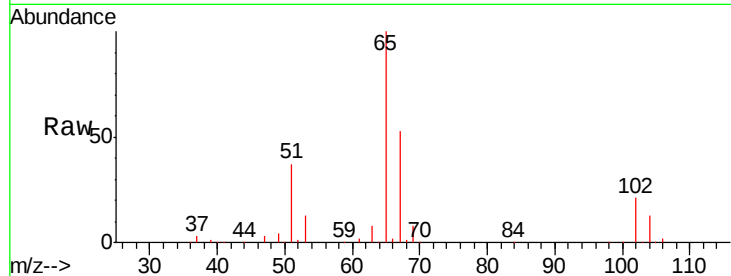
#33
 1,2-Dichloroethane-d4
 Concen: 49.95 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 65696
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.0

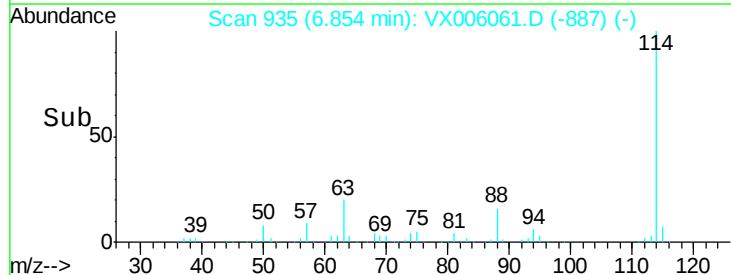
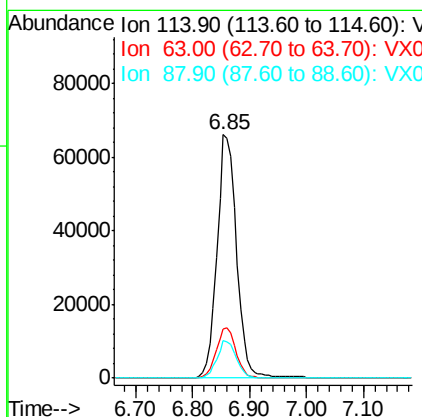
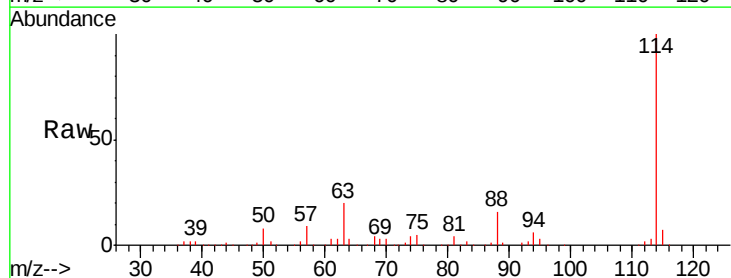
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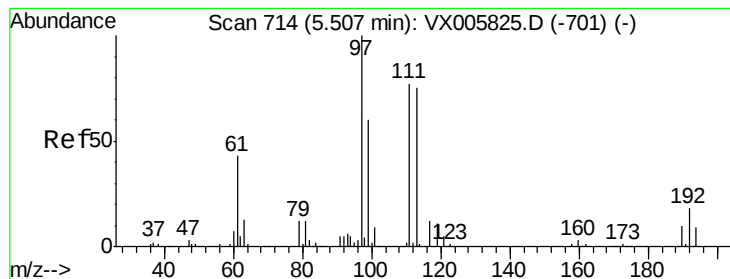
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Tgt Ion: 114 Resp: 157862
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.8
 88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.01 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

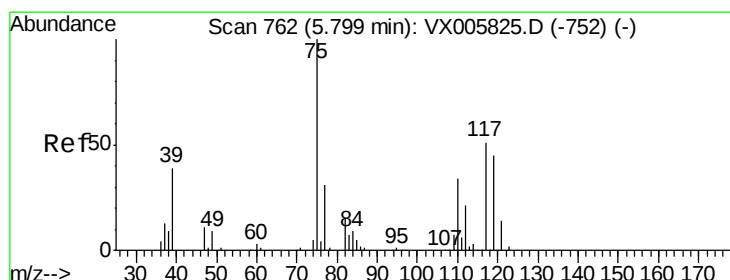
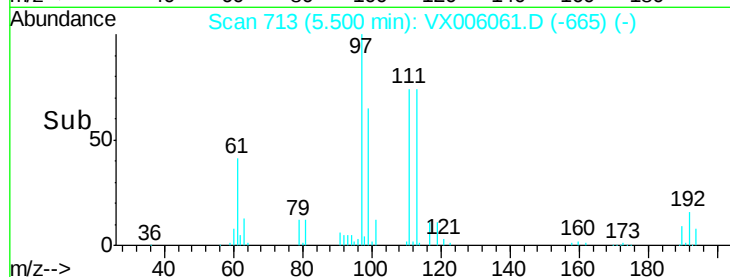
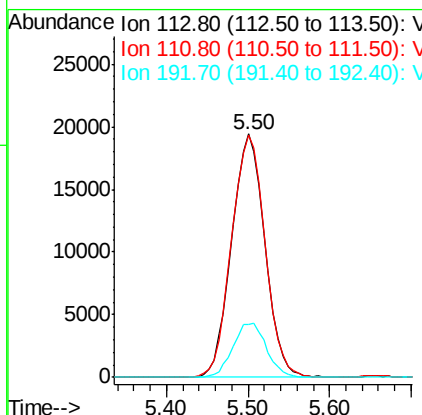
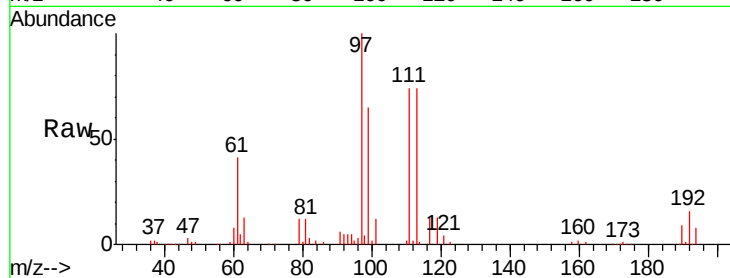
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	54773
Ion Ratio	Lower	Upper	
113	100		
111	100.4	82.3	123.5
192	22.4	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 47.10 ug/l

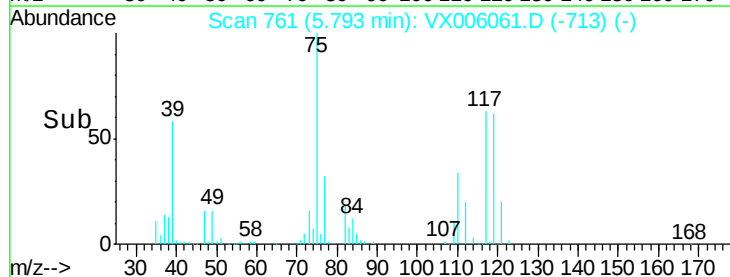
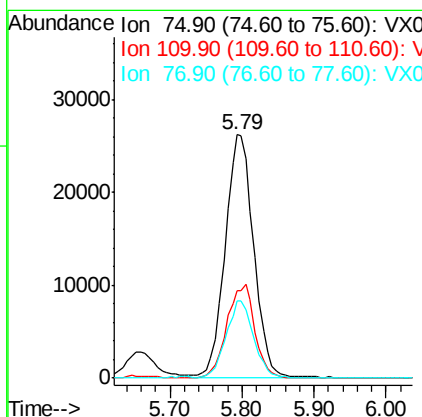
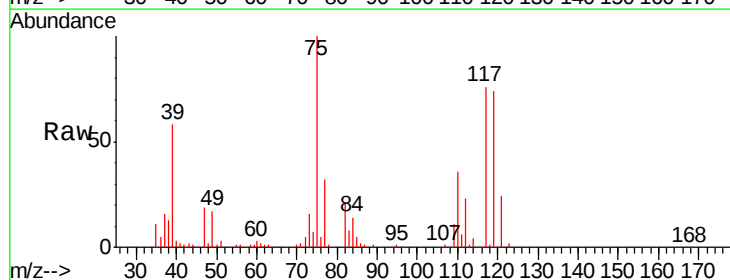
RT: 5.79 min Scan# 761

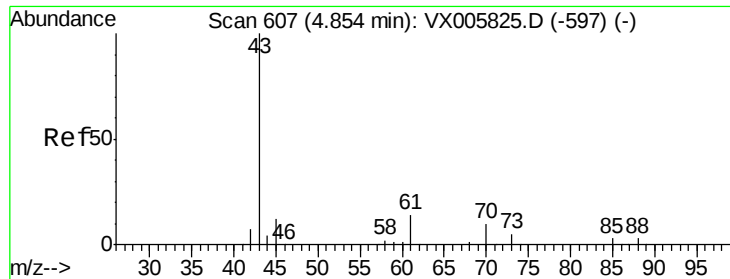
Delta R.T. -0.01 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Tgt Ion:	75	Resp:	71682
Ion Ratio	Lower	Upper	
75	100		
110	37.7	17.4	52.2
77	31.2	25.8	38.6





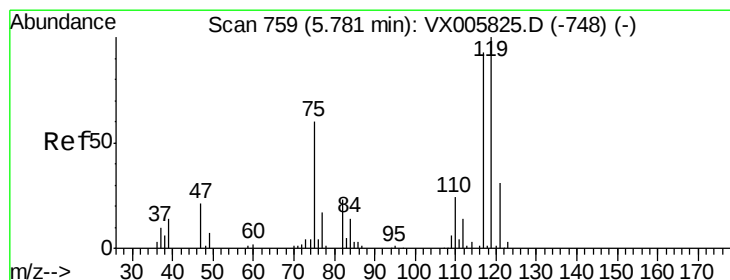
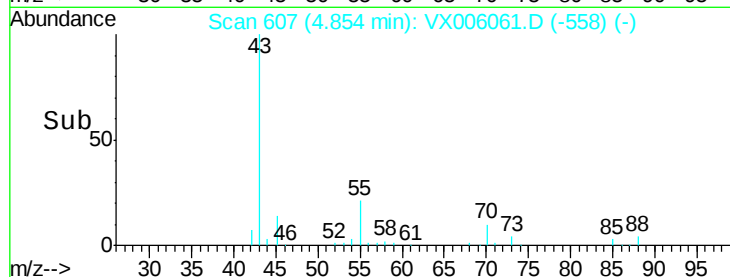
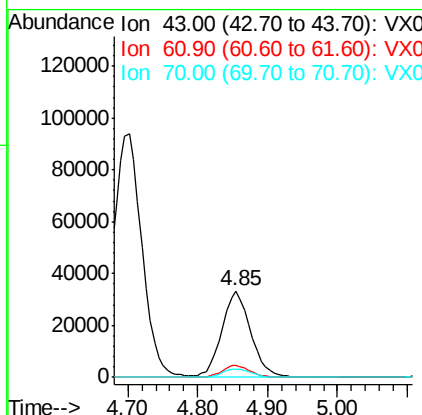
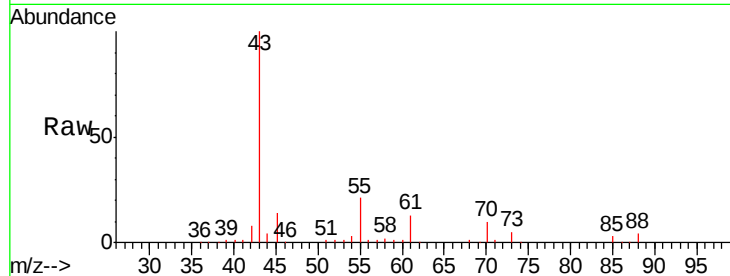
#37
Ethyl Acetate
Concen: 47.40 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 94865
Ion Ratio Lower Upper
43 100
61 13.7 10.8 16.2
70 9.8 7.8 11.8

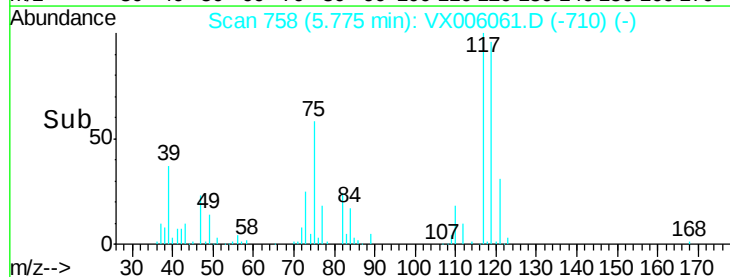
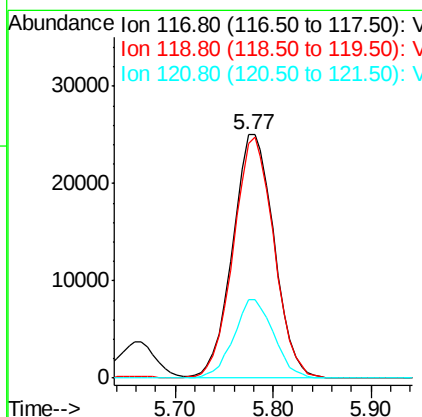
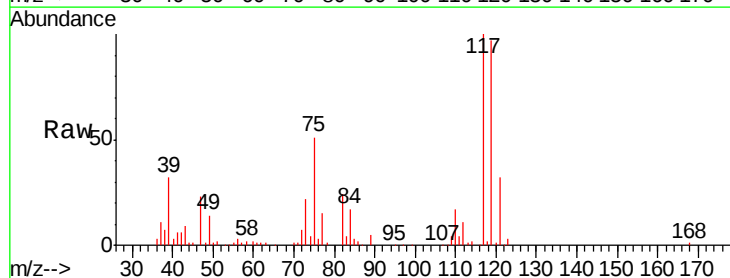
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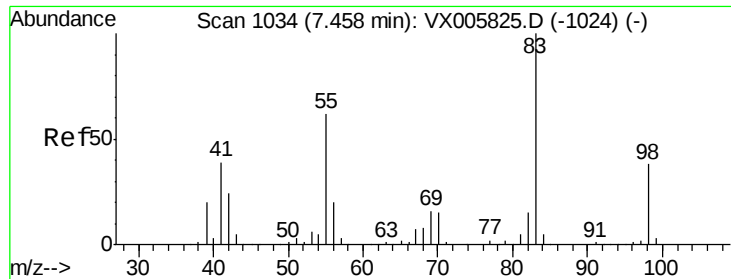
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#38
Carbon Tetrachloride
Concen: 48.46 ug/l
RT: 5.77 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion: 117 Resp: 73827
Ion Ratio Lower Upper
117 100
119 96.5 78.1 117.1
121 32.1 24.6 36.8





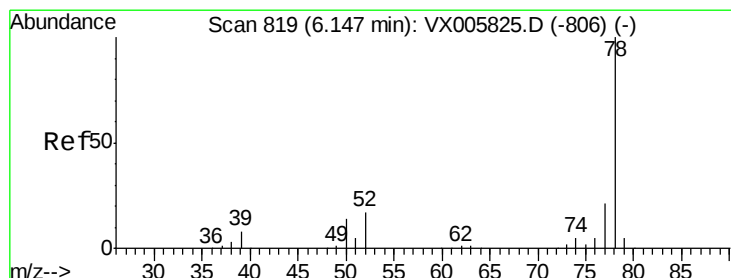
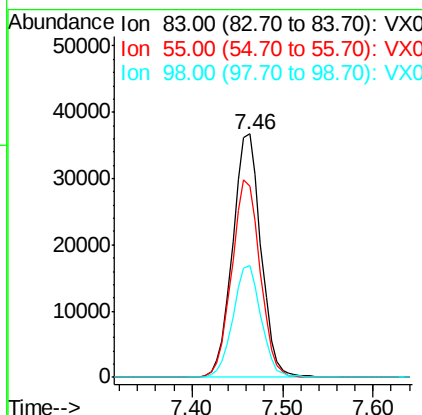
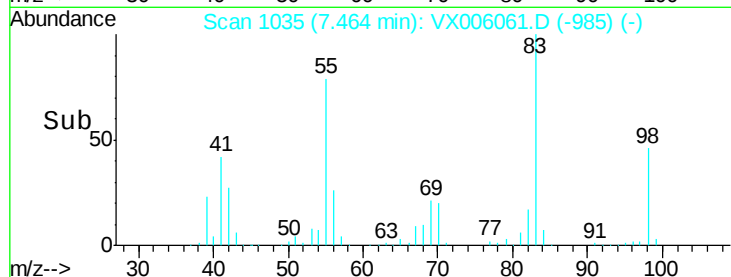
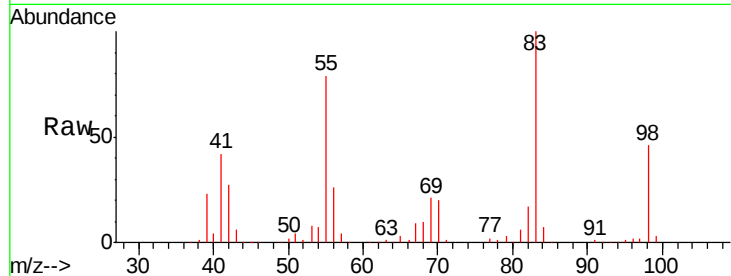
#39
Methylcyclohexane
Concen: 51.58 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.8	63.7	95.5
98	45.8	36.2	54.2

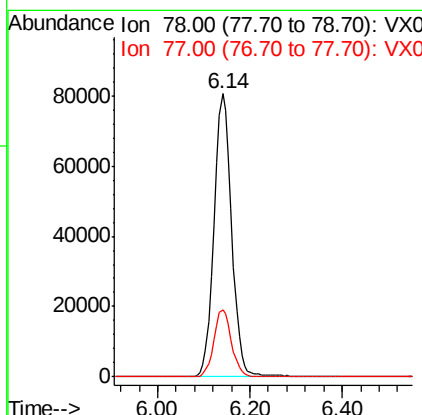
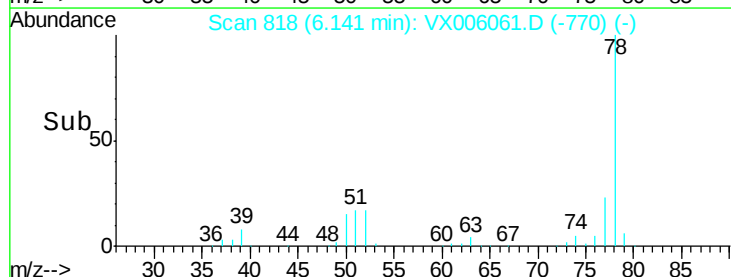
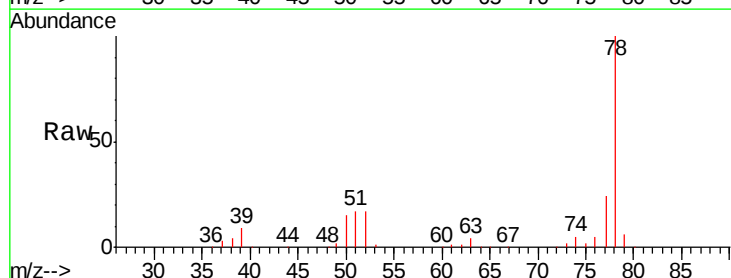
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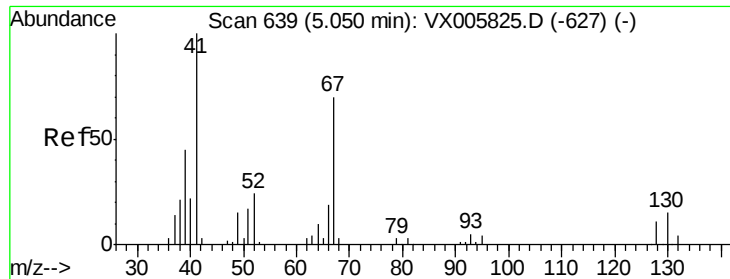
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#40
Benzene
Concen: 48.29 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6





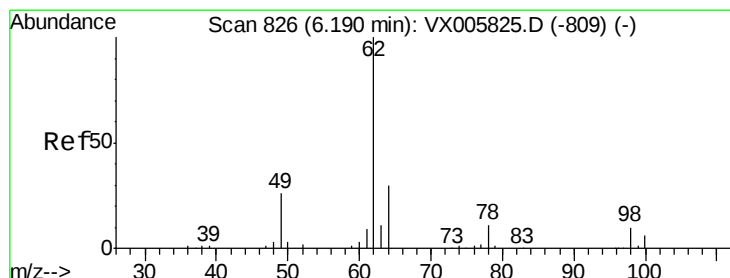
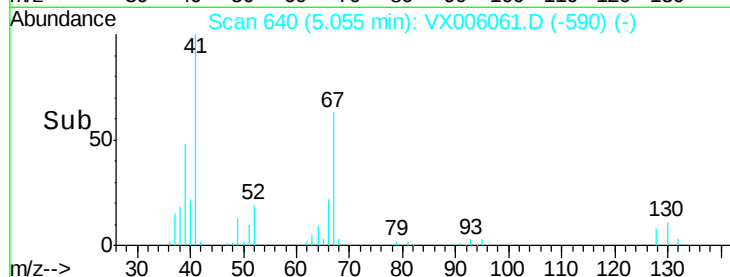
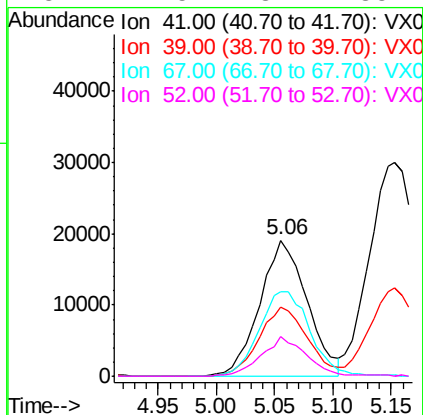
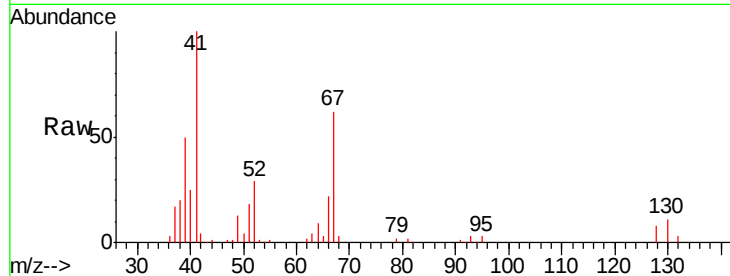
#41
Methacrylonitrile
Concen: 49.78 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.2	63.2	
67	67.1	53.4	80.0	
52	27.5	23.4	35.2	

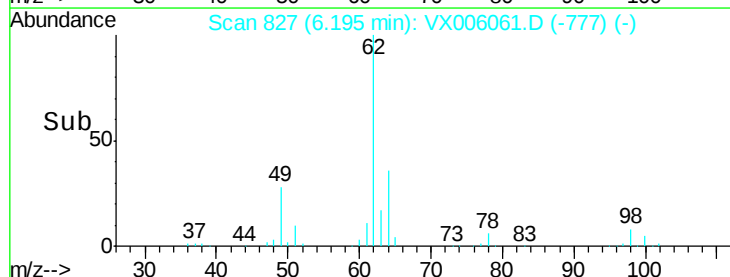
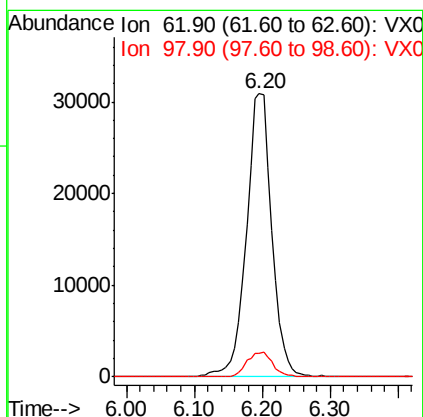
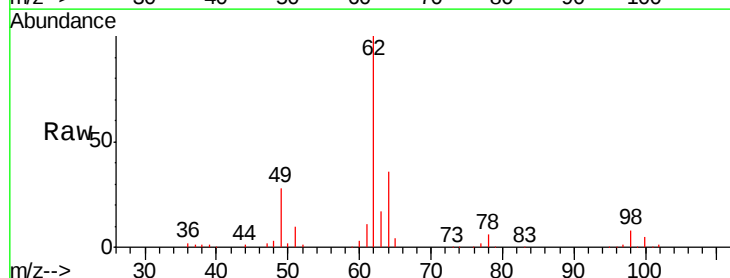
Manual Integrations
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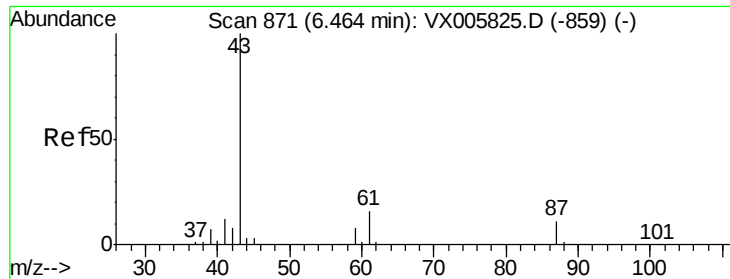
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#42
1,2-Dichloroethane
Concen: 50.49 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.8	





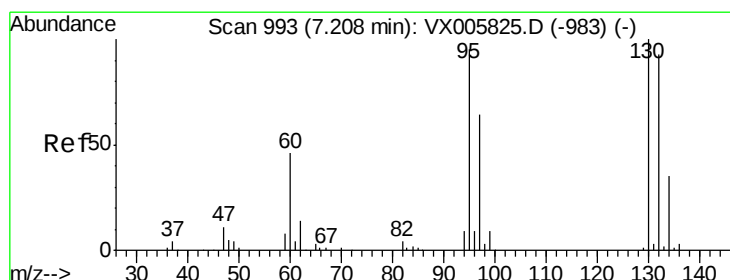
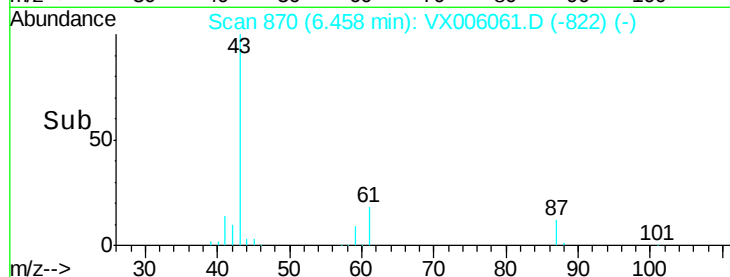
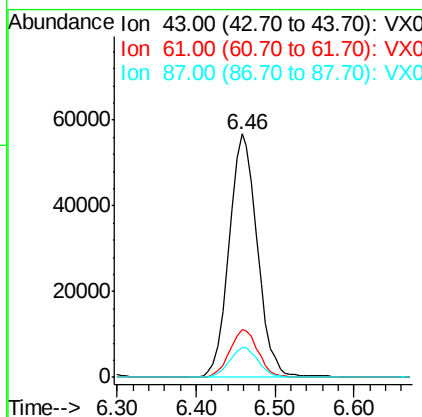
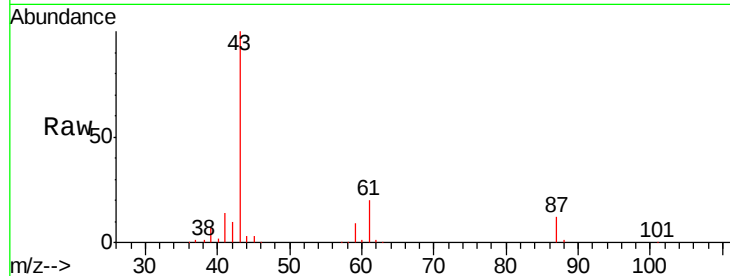
#43
Isopropyl Acetate
Concen: 48.52 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.9	14.6	22.0
87	12.5	9.6	14.4

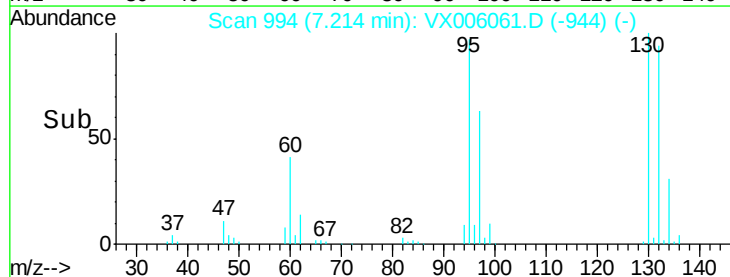
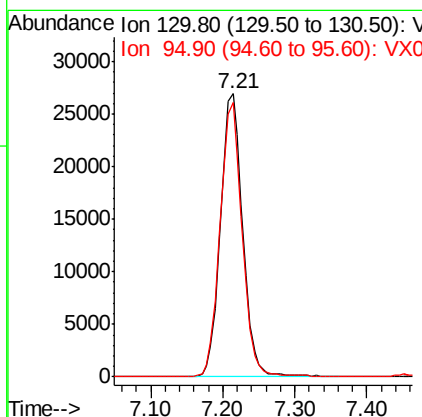
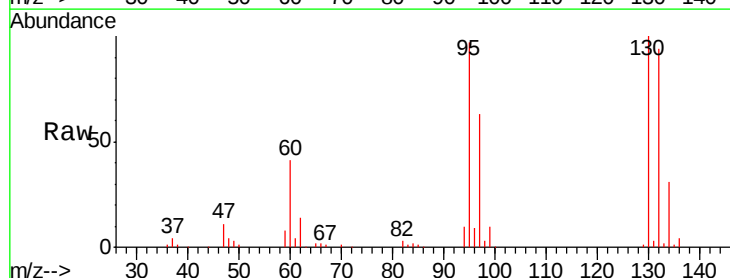
Manual Integrations
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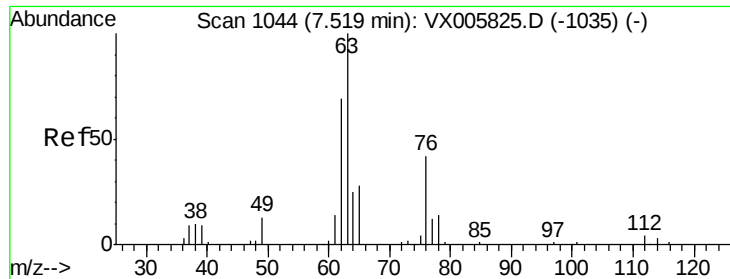
MMDadoda
11/19/2018 9:24:33 AM



#44
Trichloroethene
Concen: 51.39 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	194.2





#45

1,2-Dichloropropane

Concen: 55.60 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 59875

Ion Ratio Lower Upper

63 100

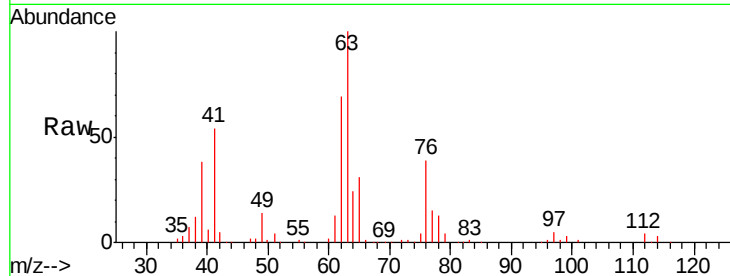
65 30.9 24.8 37.2

Manual Integrations

APPROVED

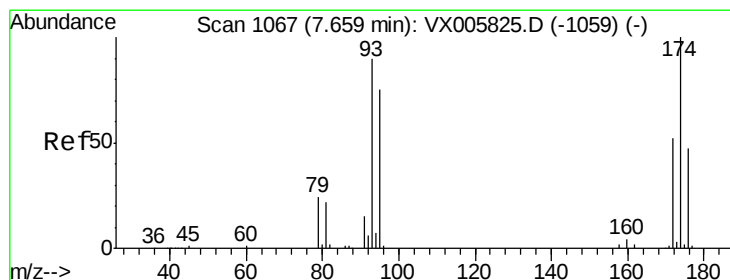
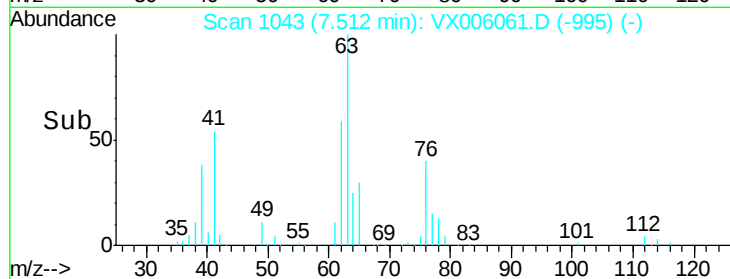
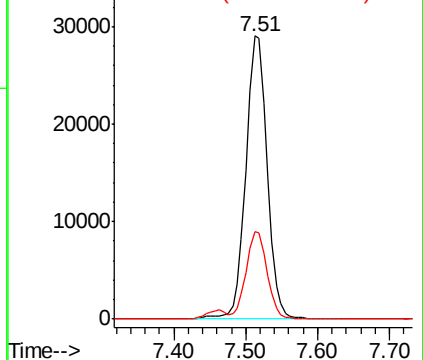
MMDadoda

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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: 55.36 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

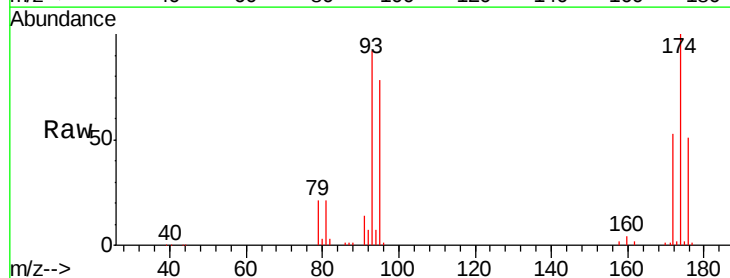
Tgt Ion: 93 Resp: 37405

Ion Ratio Lower Upper

93 100

95 83.3 67.4 101.0

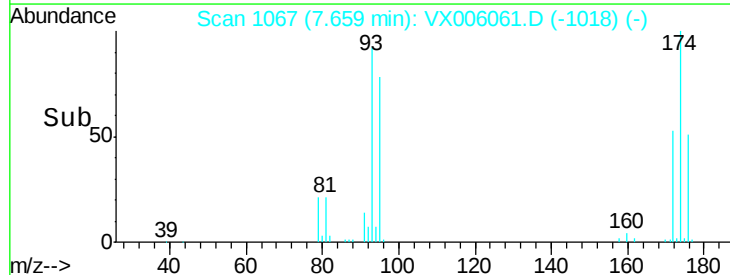
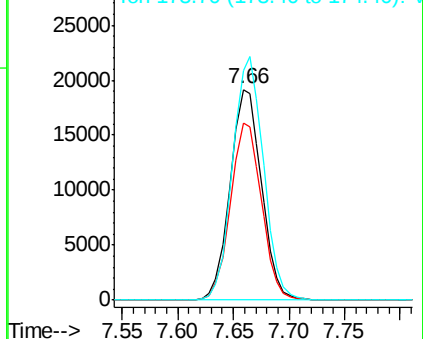
174 113.8 91.5 137.3

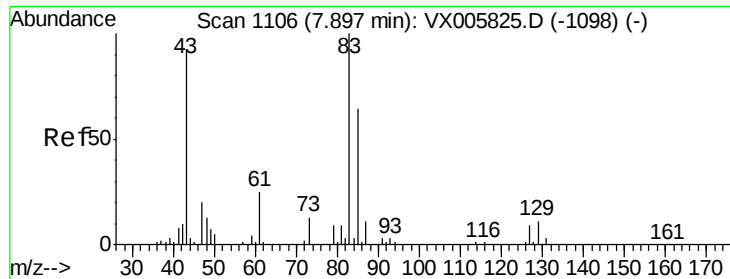


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 59.06 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

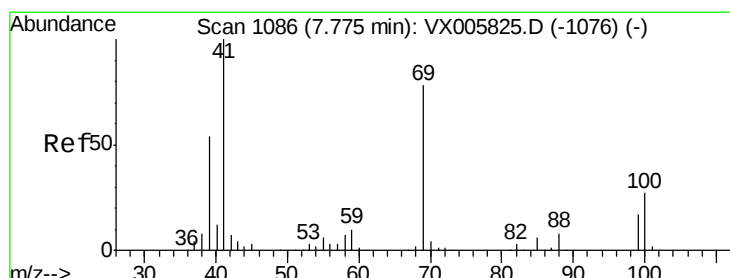
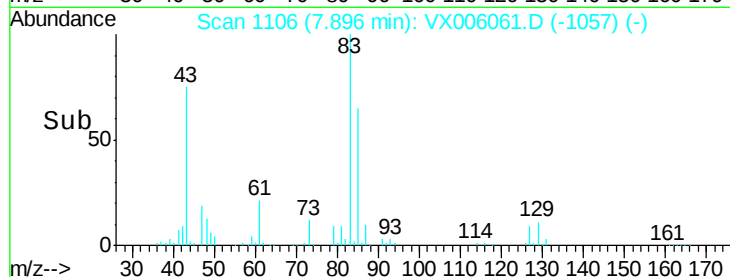
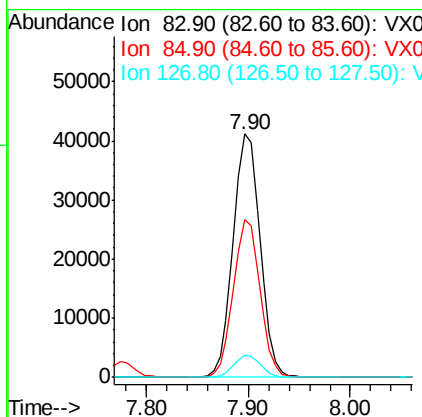
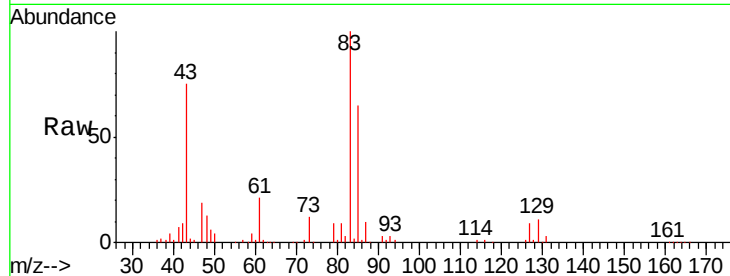
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	75415
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.2	75.4
127	9.0	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.15 ug/l

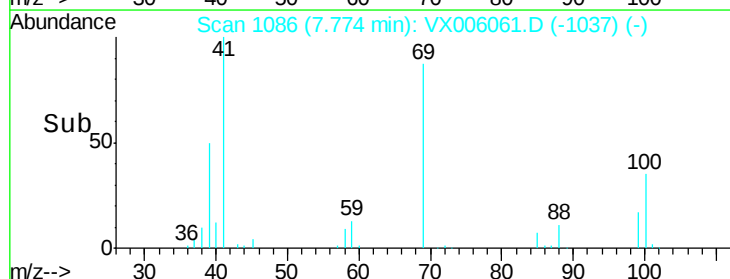
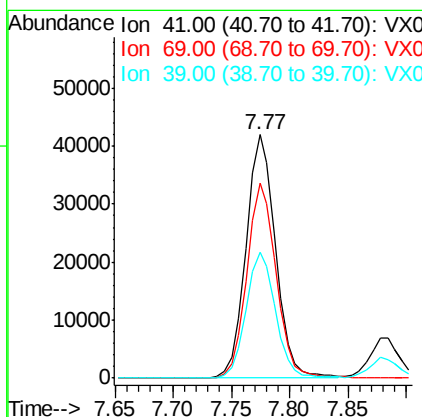
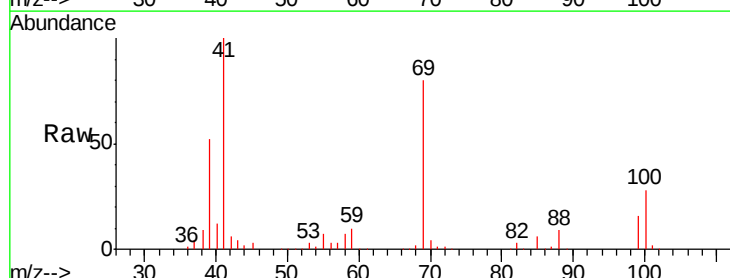
RT: 7.77 min Scan# 1086

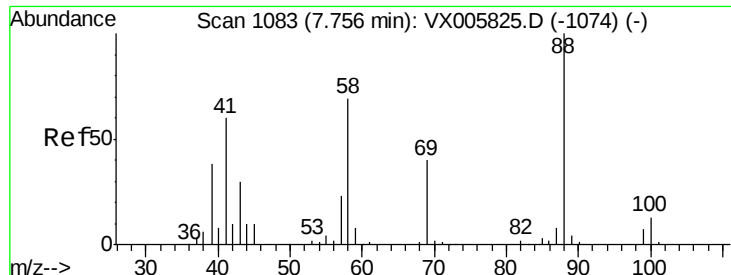
Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Tgt Ion:	41	Resp:	74411
Ion	Ratio	Lower	Upper
41	100		
69	79.9	63.2	94.8
39	51.9	42.2	63.2





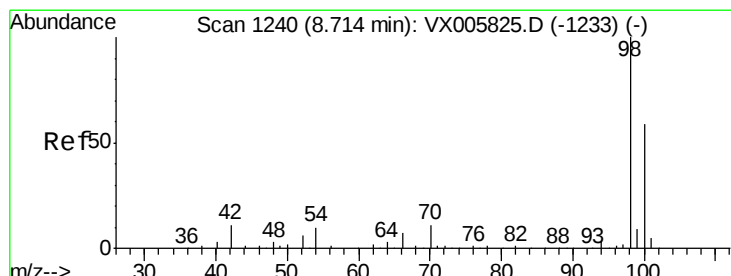
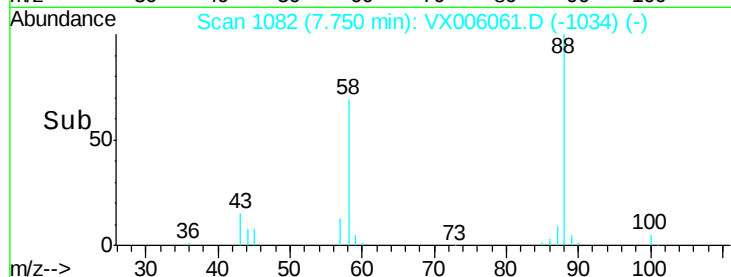
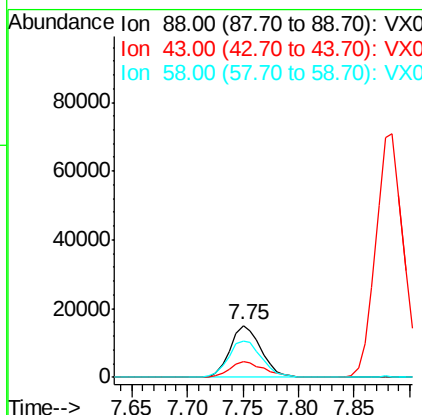
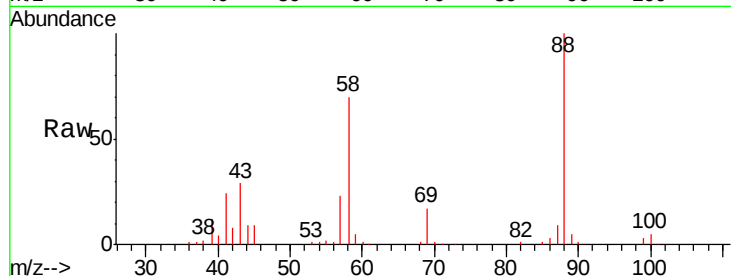
#49
1,4-Dioxane
Concen: 1043.95 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.0	27.4	41.0
58	74.7	59.4	89.2

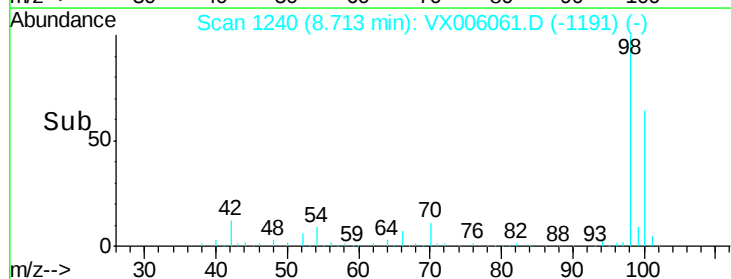
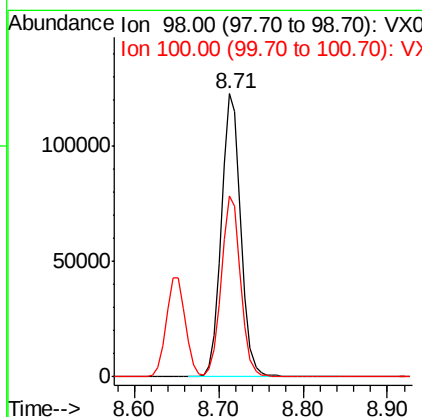
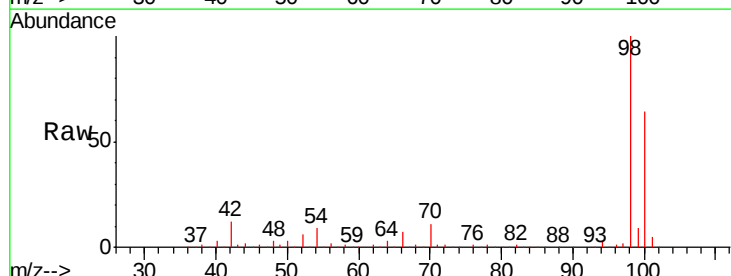
Manual Integrations
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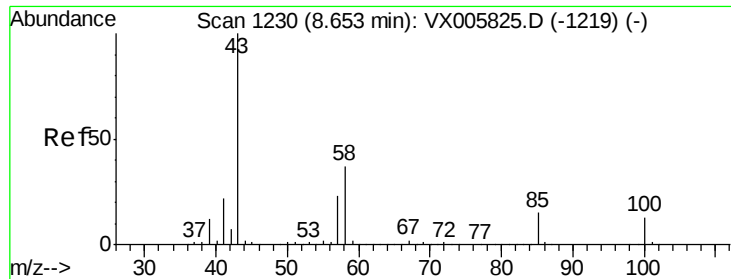
MMDadoda
11/19/2018 9:24:33 AM



#50
Toluene-d8
Concen: 54.71 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.3	76.9





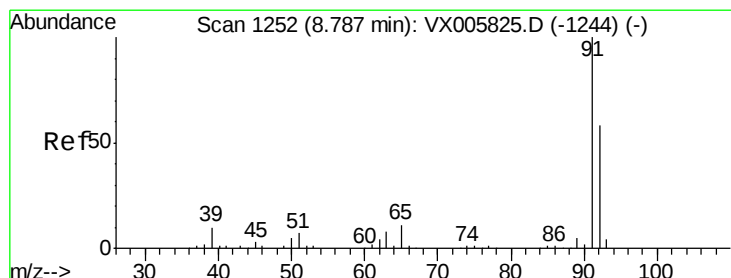
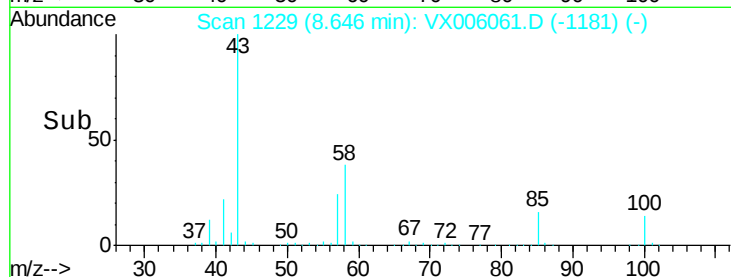
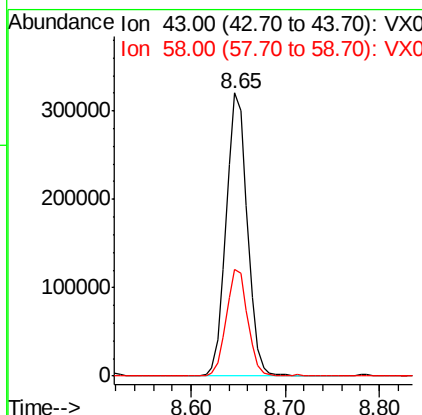
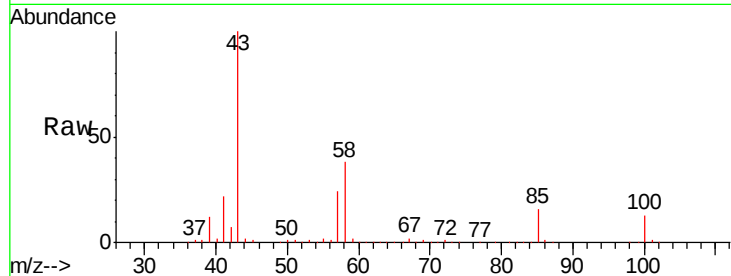
#51
4-Methyl-2-Pentanone
Concen: 274.23 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 501176
Ion Ratio Lower Upper
43 100
58 37.6 29.7 44.5

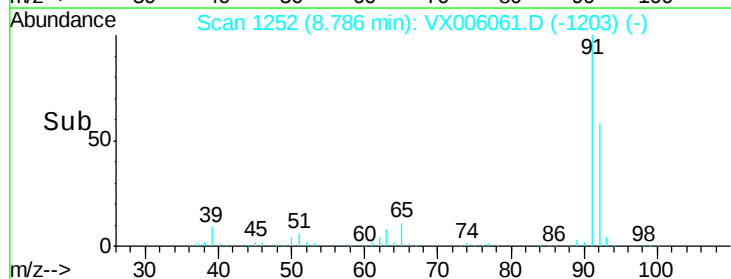
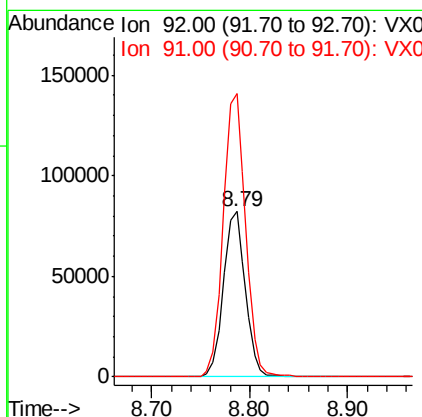
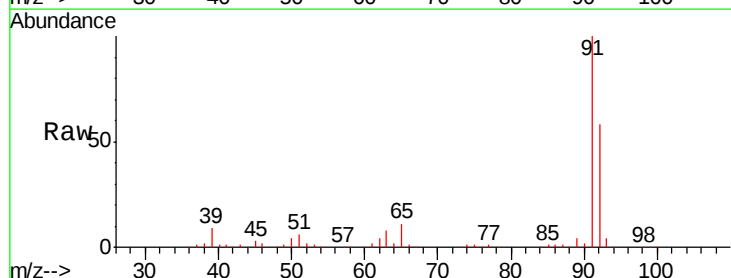
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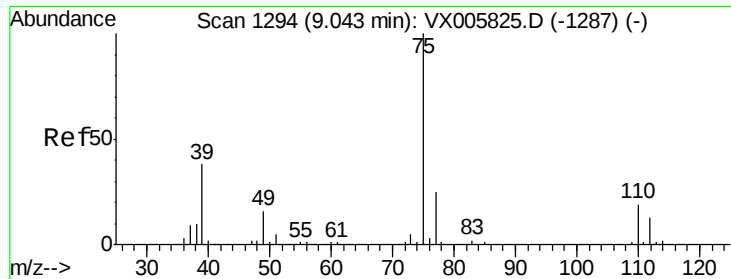
MMDadoda
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#52
Toluene
Concen: 51.52 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion: 92 Resp: 127753
Ion Ratio Lower Upper
92 100
91 174.7 140.4 210.6





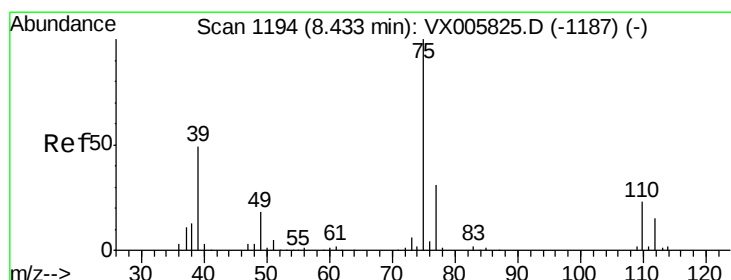
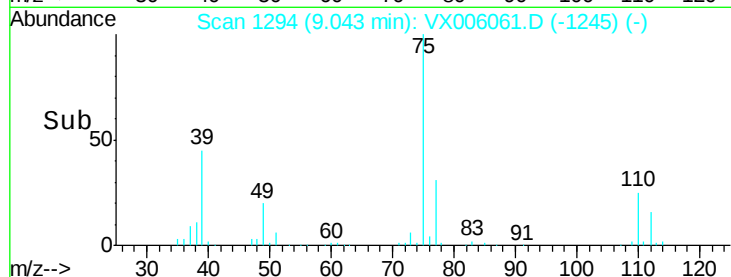
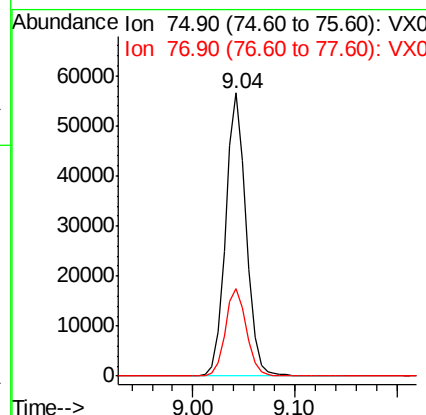
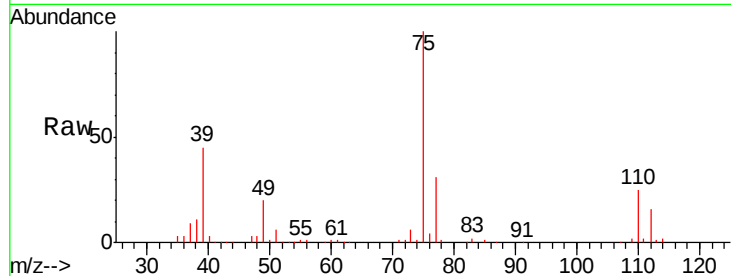
#53
t-1,3-Dichloropropene
Concen: 52.36 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 78907
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

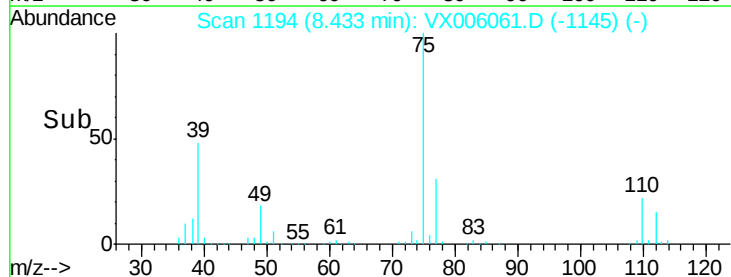
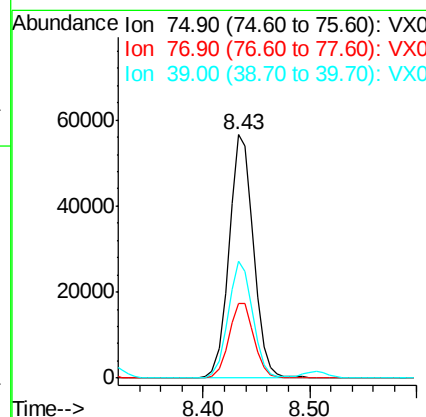
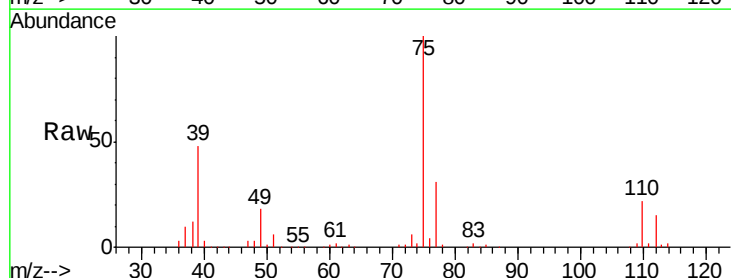
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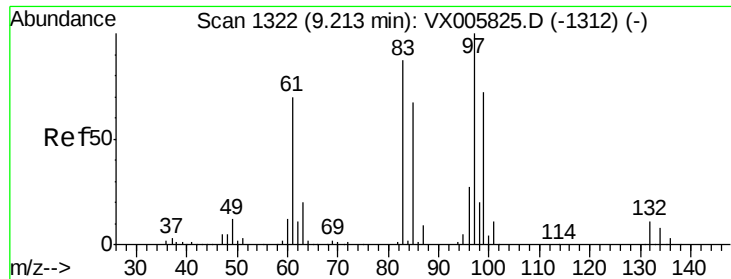
MMDadoda
11/19/2018 9:24:33 AM



#54
cis-1,3-Dichloropropene
Concen: 59.15 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion: 75 Resp: 90855
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8
39 47.8 38.2 57.2





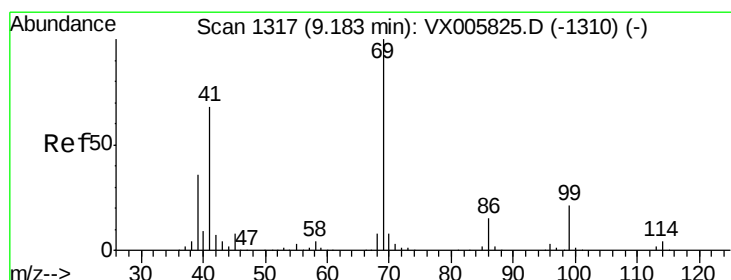
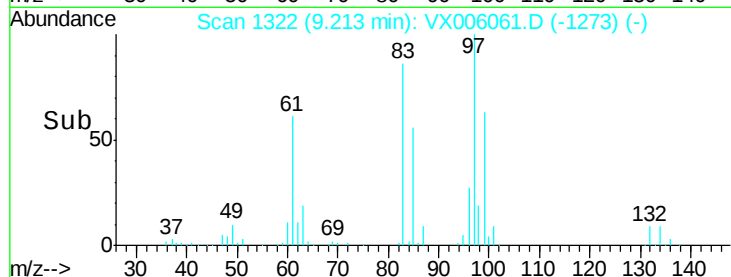
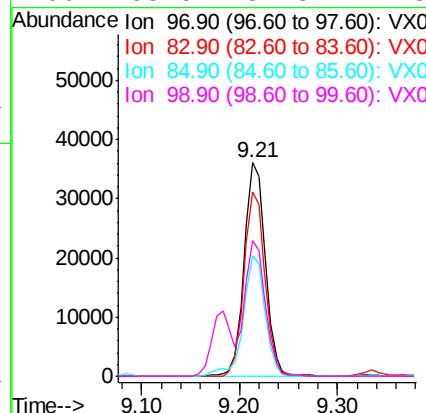
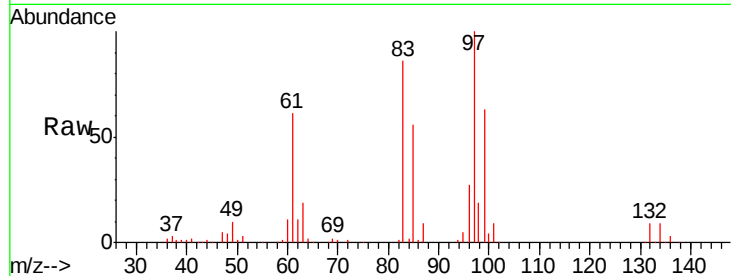
#55
 1,1,2-Trichloroethane
 Concen: 49.29 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
97	54464		
97	100		
83	86.0	70.7	106.1
85	56.4	45.8	68.6
99	63.5	51.8	77.8

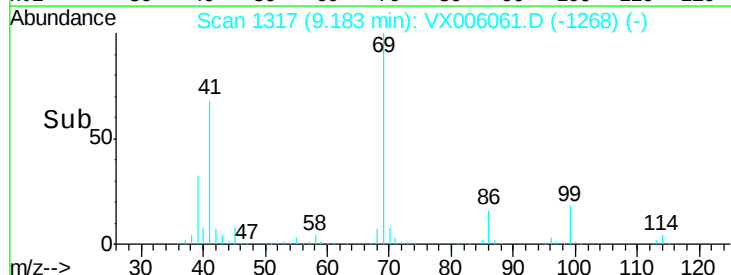
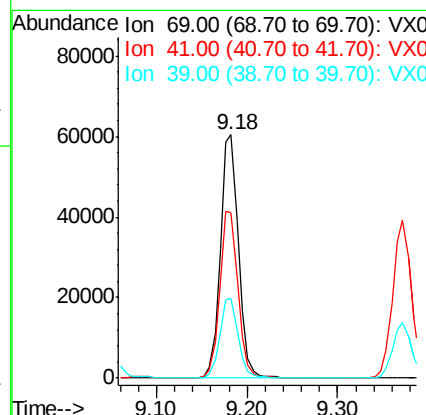
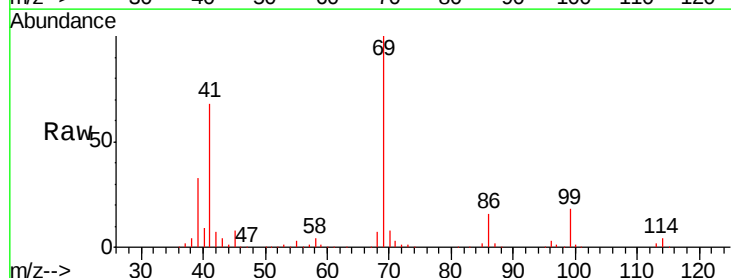
Manual Integrations
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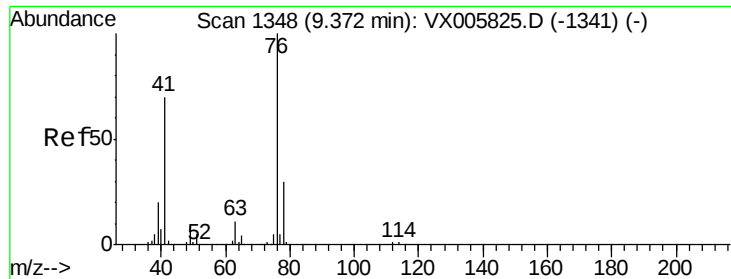
MMDadoda
 11/19/2018 9:24:33 AM



#56
 Ethyl methacrylate
 Concen: 50.99 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Tgt Ion	Resp	Lower	Upper
69	84316		
69	100		
41	69.7	57.0	85.6
39	33.5	28.3	42.5





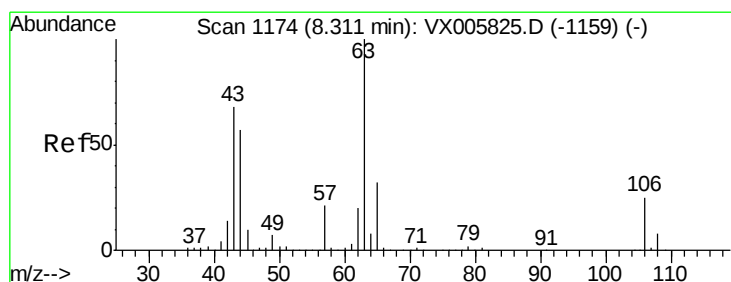
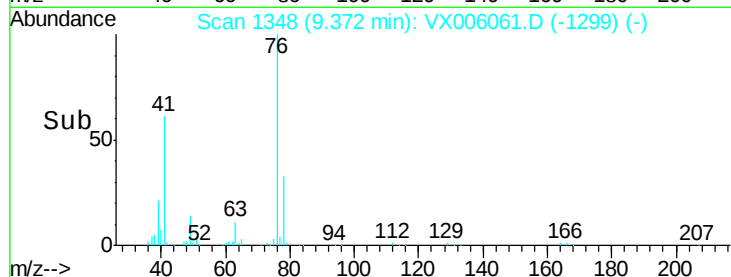
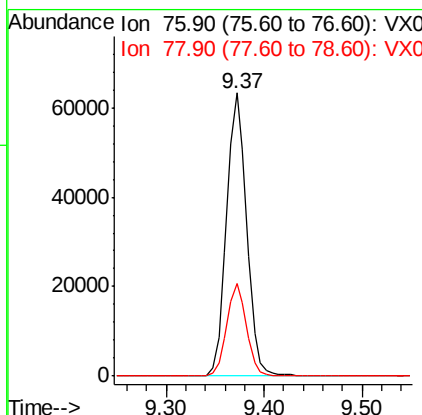
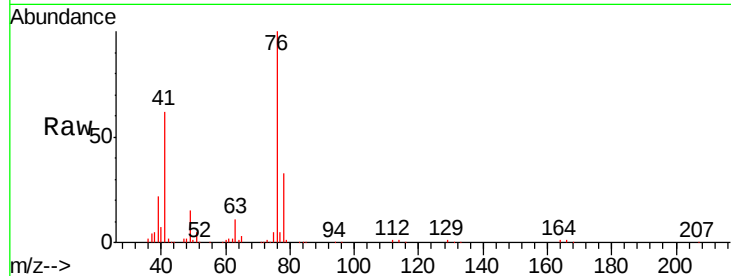
#57
 1,3-Dichloropropane
 Concen: 48.64 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 90331
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.3 37.9

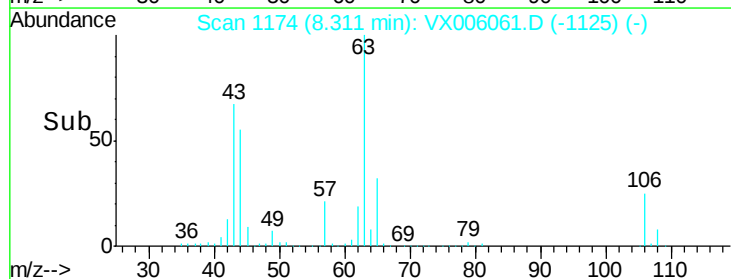
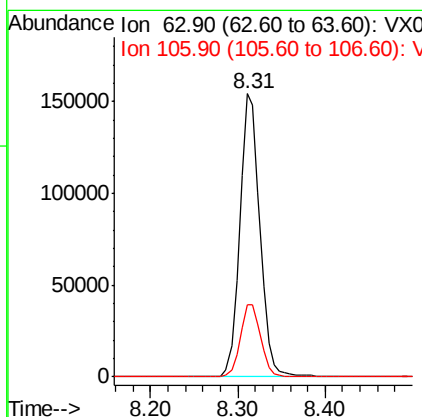
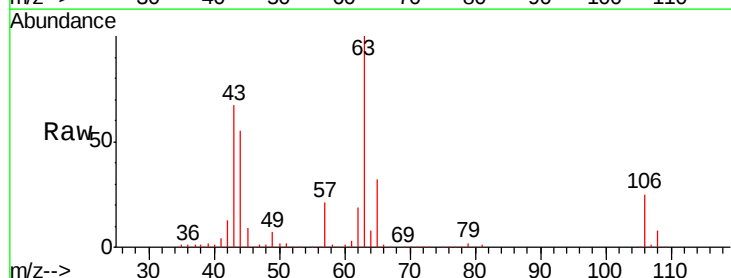
Manual Integrations
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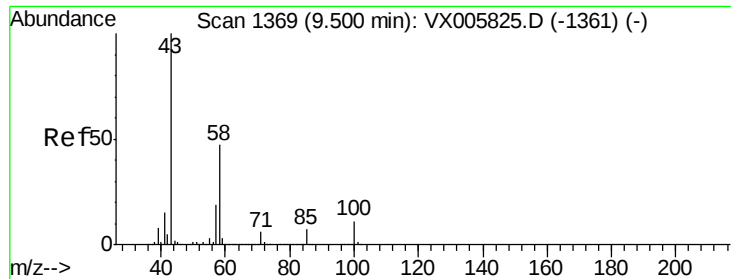
MMDadoda
 11/19/2018 9:24:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.02 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Tgt Ion: 63 Resp: 246690
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.3 31.9





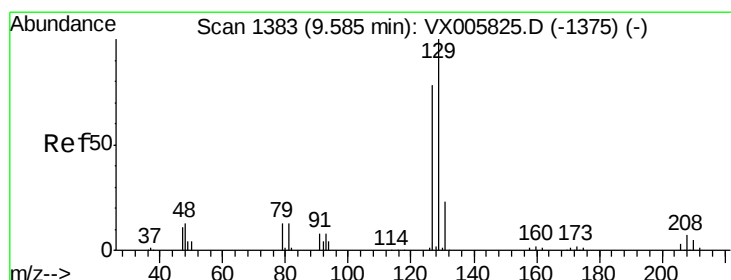
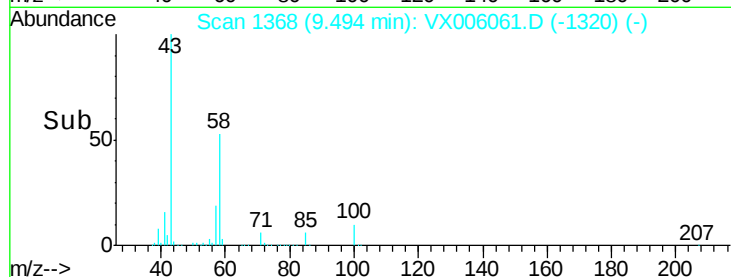
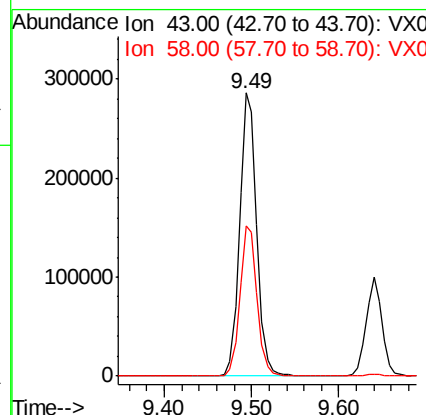
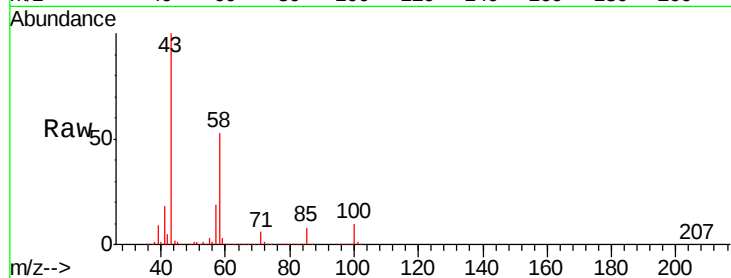
#59
2-Hexanone
Concen: 242.26 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 390266
Ion Ratio Lower Upper
43 100
58 53.3 25.9 77.8

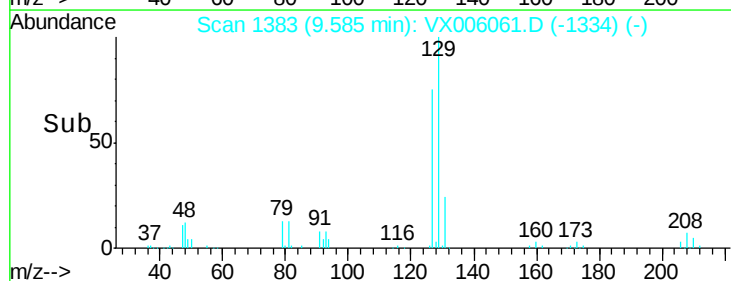
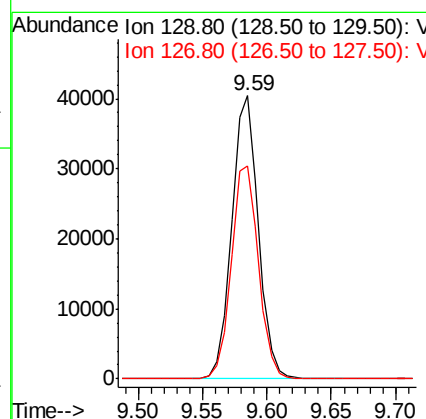
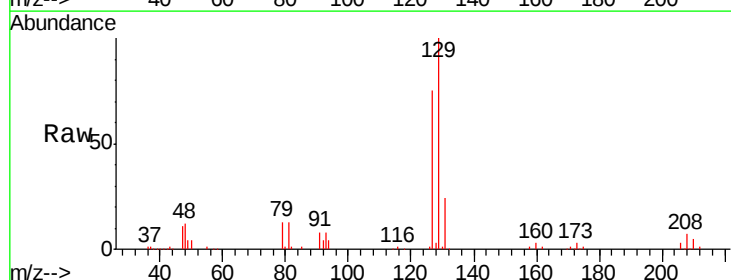
Manual Integrations
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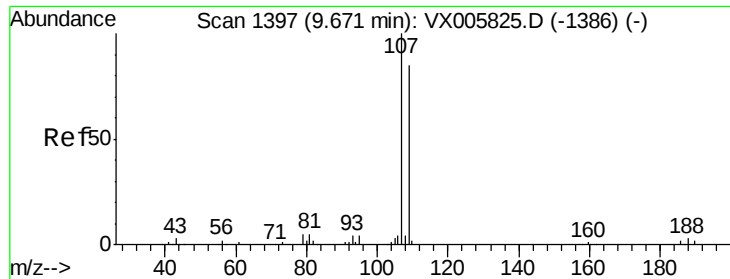
MMDadoda
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#60
Dibromochloromethane
Concen: 48.91 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion: 129 Resp: 58414
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 46.09 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 56321

Ion Ratio Lower Upper

107 100

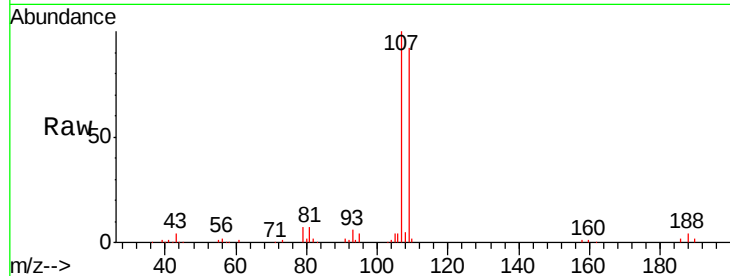
109 94.1 75.7 113.5

Manual Integrations

APPROVED

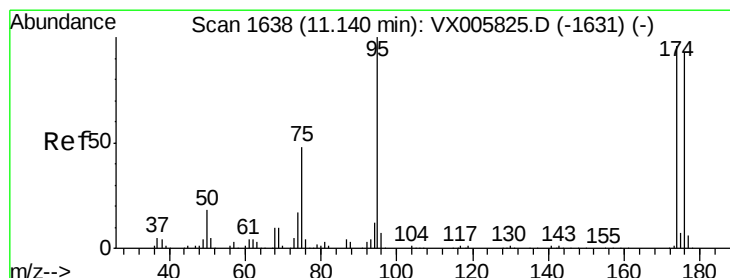
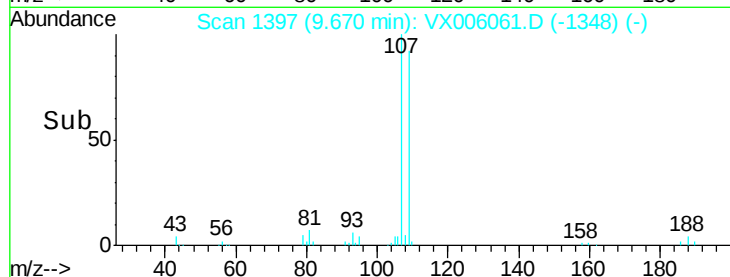
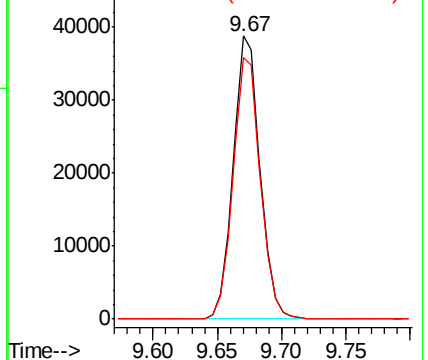
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.01 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

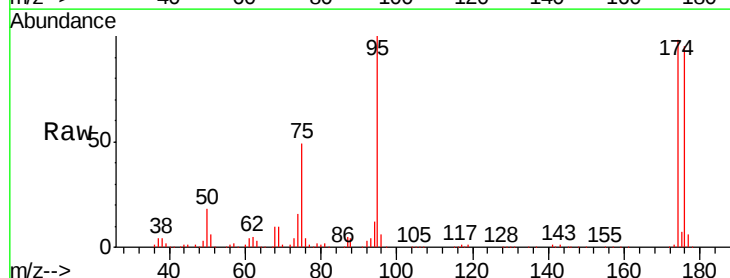
Tgt Ion: 95 Resp: 71880

Ion Ratio Lower Upper

95 100

174 92.2 0.0 184.4

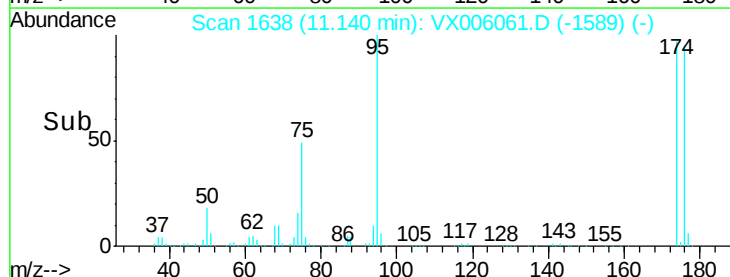
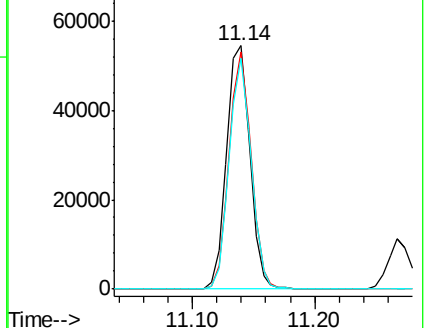
176 89.5 0.0 177.4

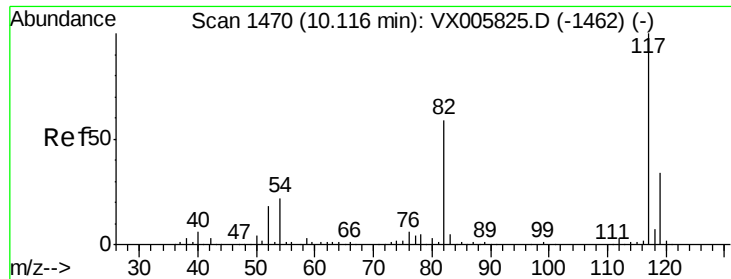


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





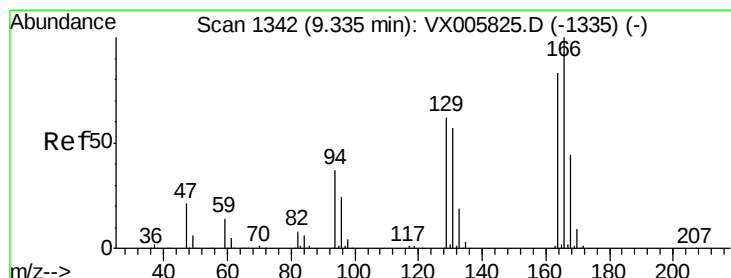
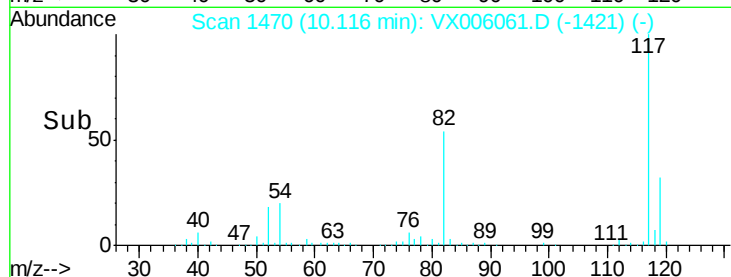
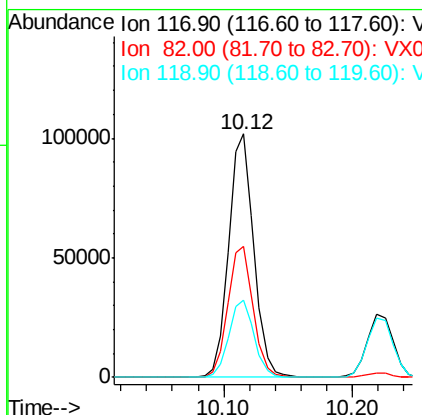
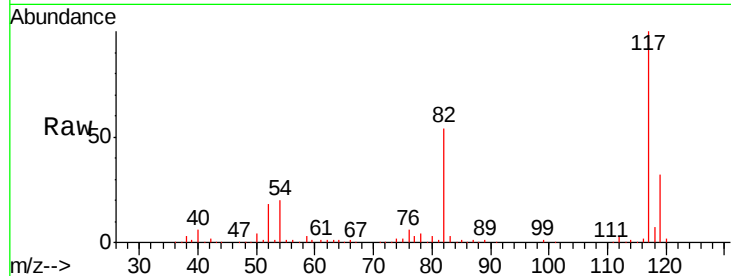
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	138805		
82	53.7	44.1	66.1	
119	31.8	26.2	39.2	

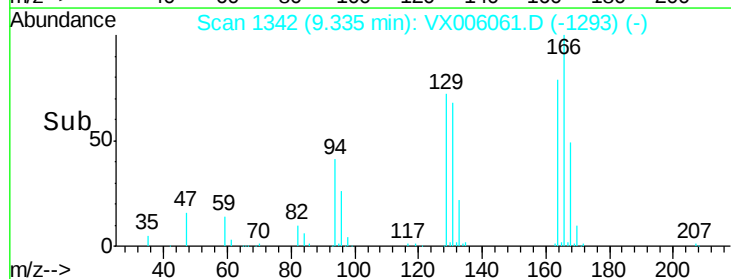
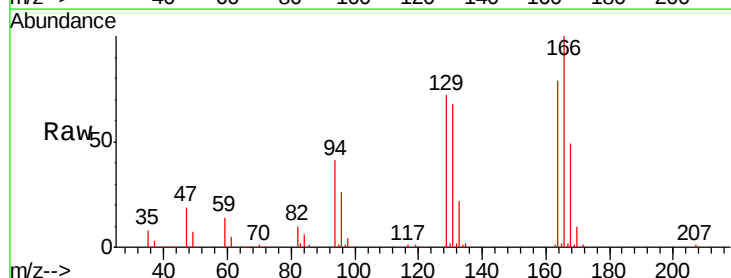
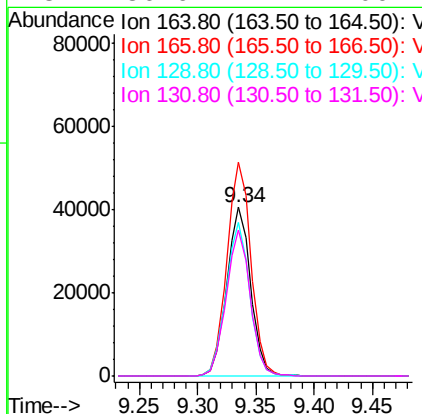
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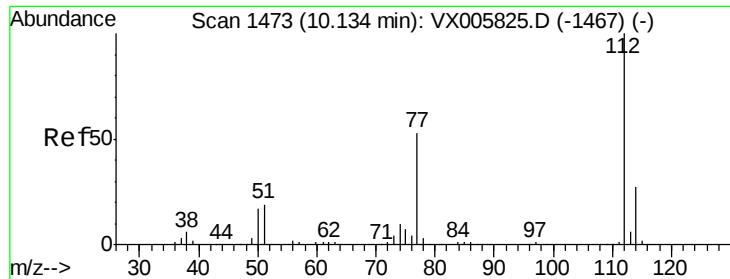
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#64
Tetrachloroethene
Concen: 48.94 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57840		
166	126.5	101.9	152.9	
129	90.8	72.6	109.0	
131	86.6	71.1	106.7	





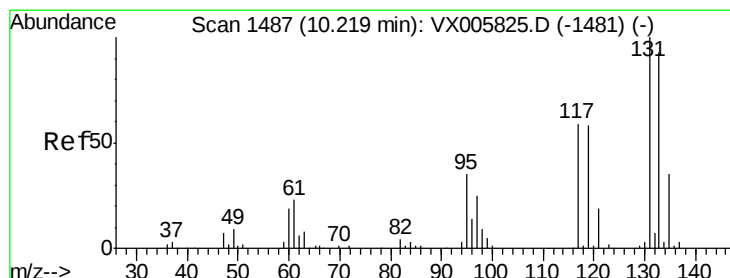
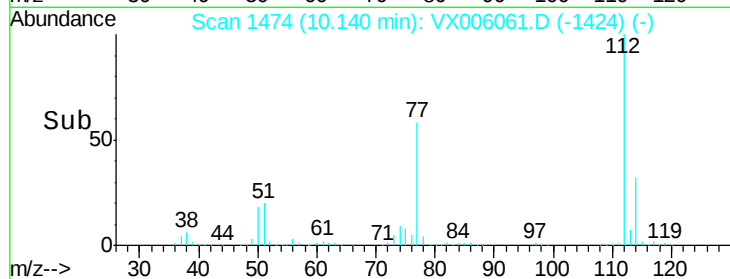
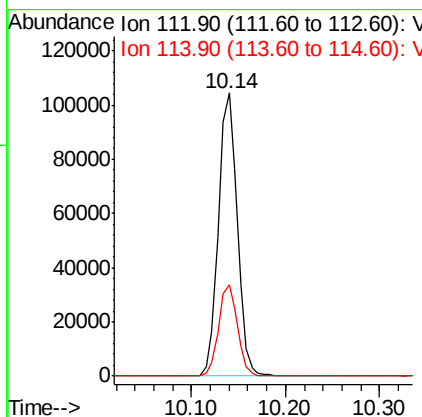
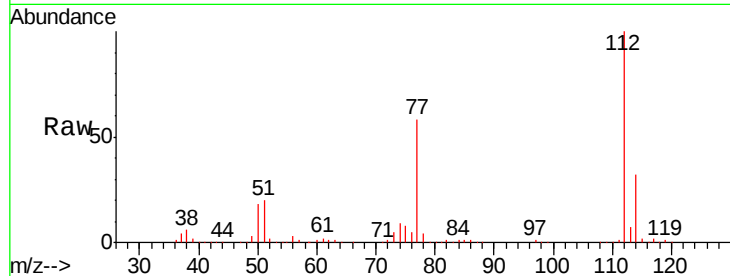
#65
Chlorobenzene
Concen: 52.09 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 144860
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

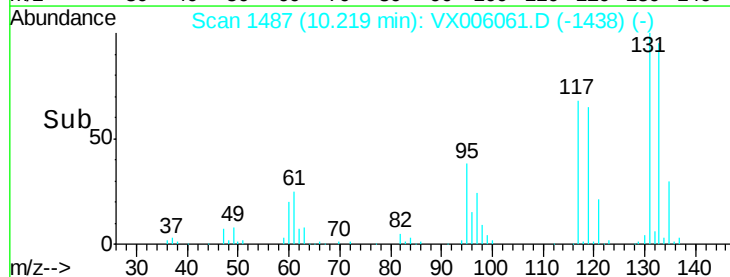
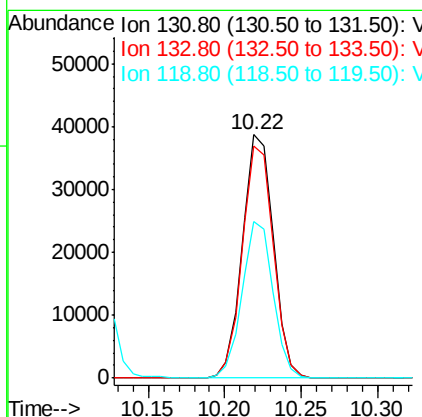
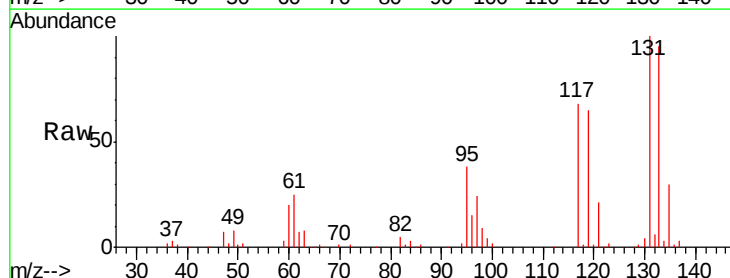
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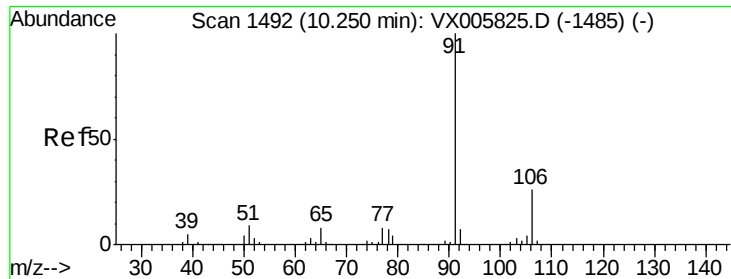
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.36 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion:131 Resp: 54483
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.5
119 64.0 31.8 95.3





#67

Ethyl Benzene

Concen: 55.90 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 249243

Ion Ratio Lower Upper

91 100

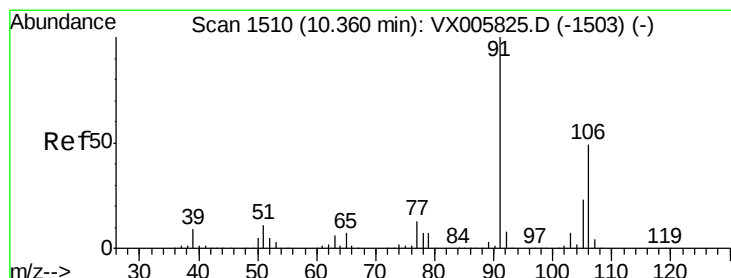
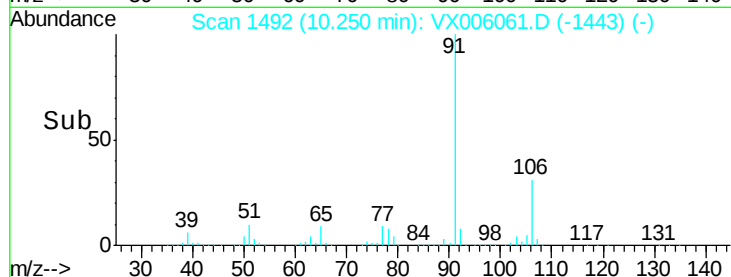
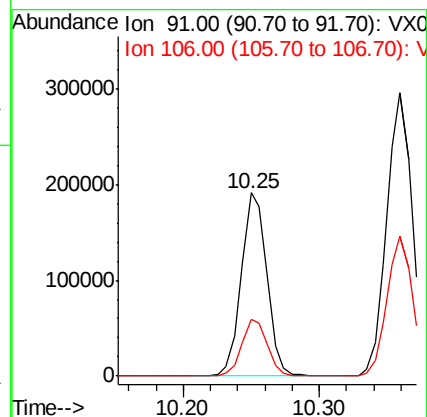
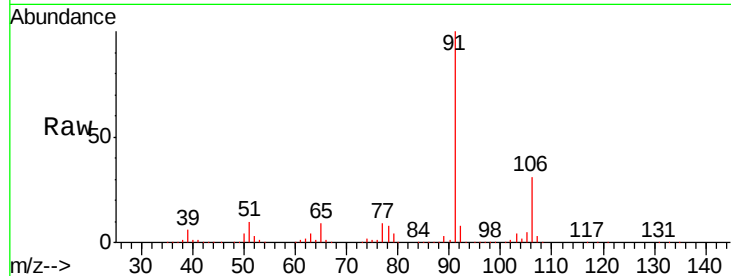
106 31.0 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 113.30 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006061.D

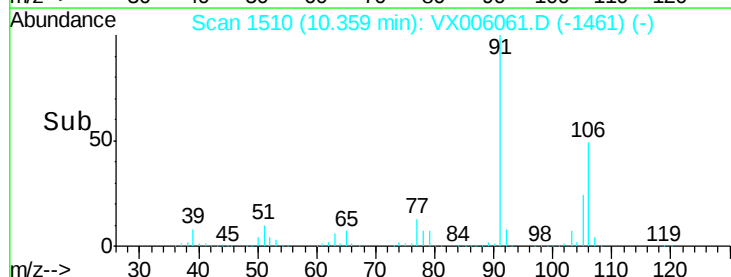
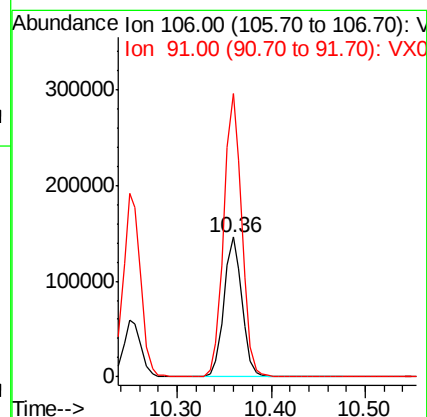
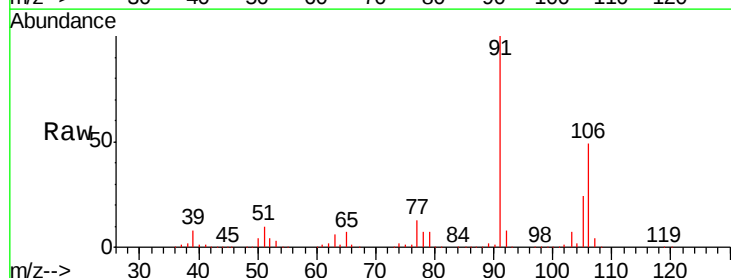
Acq: 17 Nov 2018 11:07

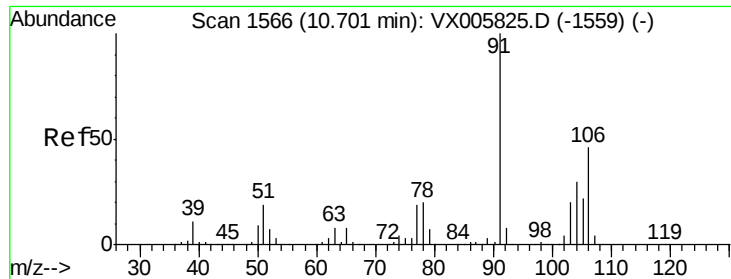
Tgt Ion: 106 Resp: 192696

Ion Ratio Lower Upper

106 100

91 203.8 164.2 246.4





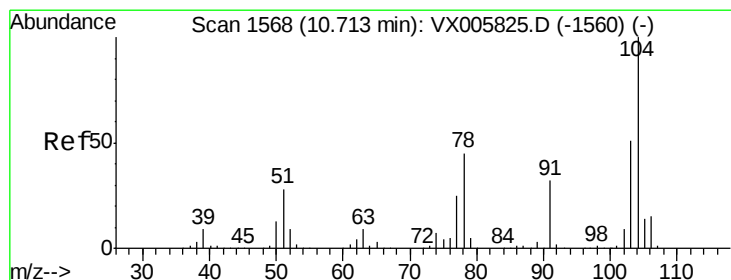
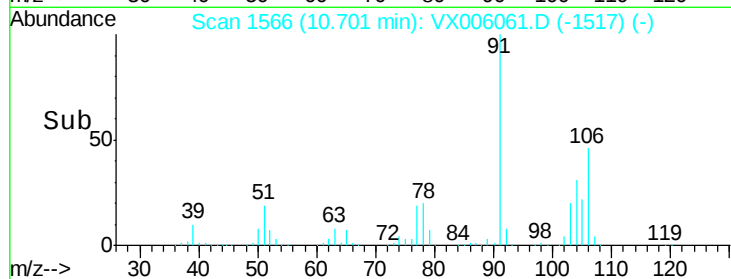
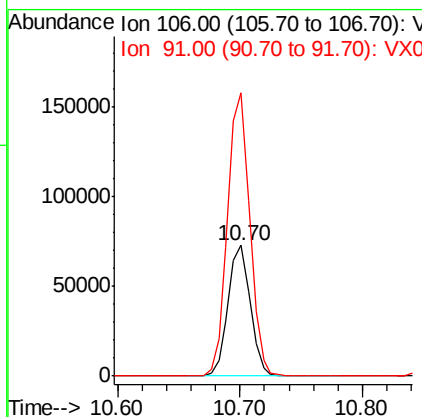
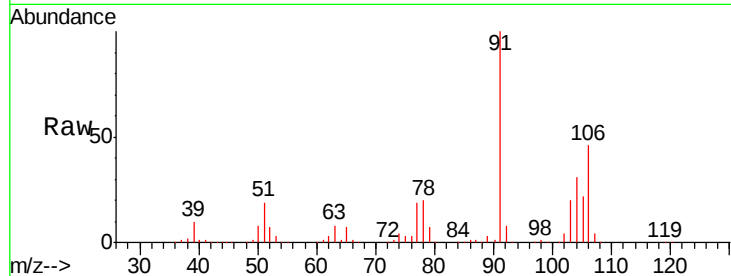
#69
o-Xylene
Concen: 59.92 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 91383
Ion Ratio Lower Upper
106 100
91 217.6 108.5 325.5

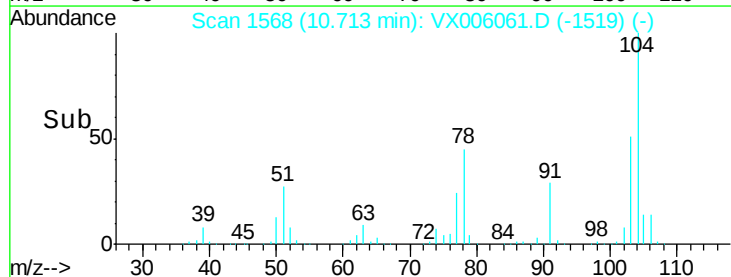
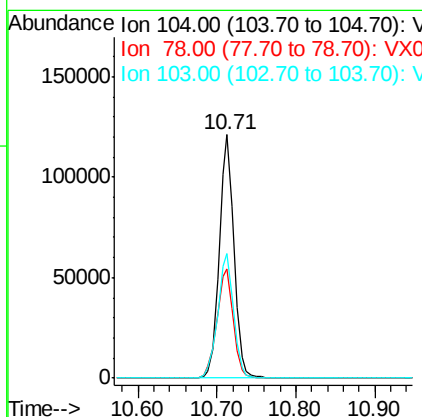
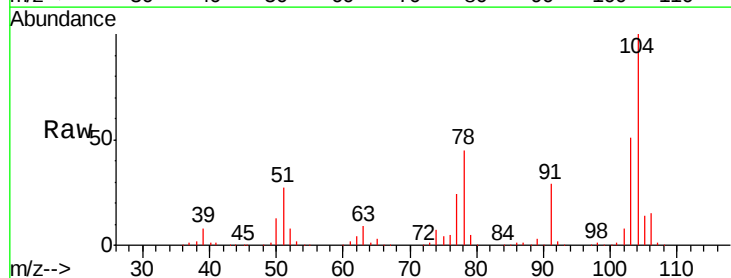
Manual Integrations
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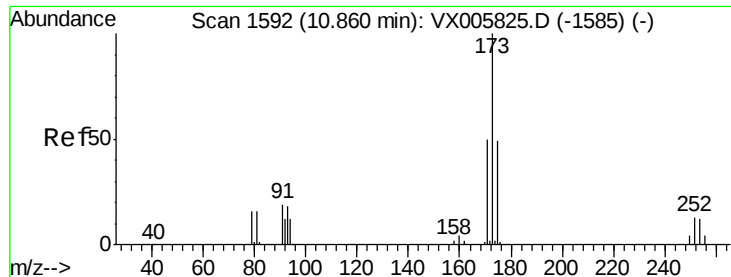
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#70
Styrene
Concen: 62.62 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion:104 Resp: 157542
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.4
103 55.2 44.9 67.3





#71

Bromoform

Concen: 60.47 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 49008

Ion Ratio Lower Upper

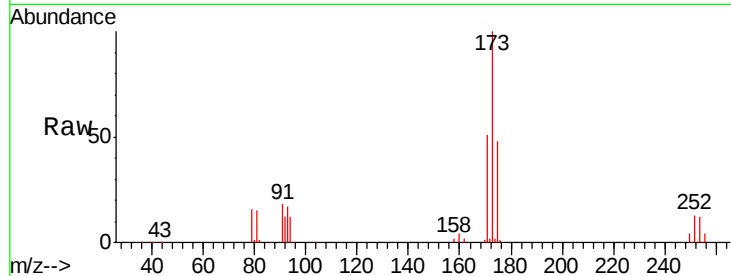
173 100

175 48.8 24.8 74.3

254 0.1 0.2 0.2#

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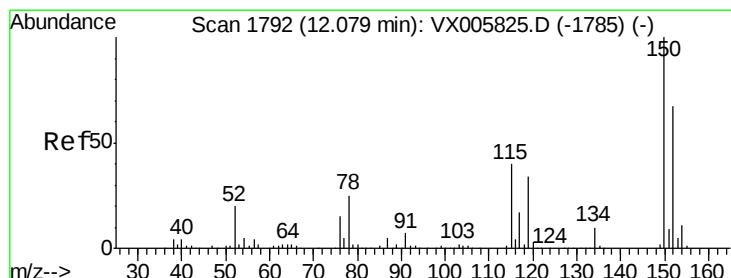
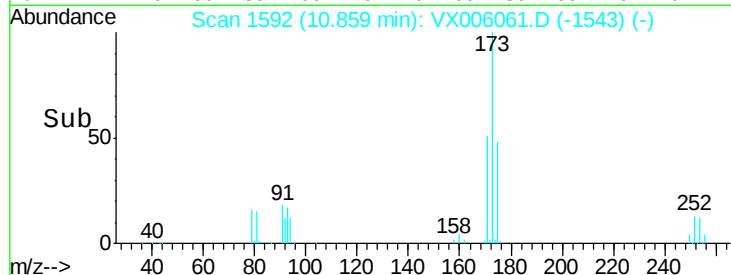
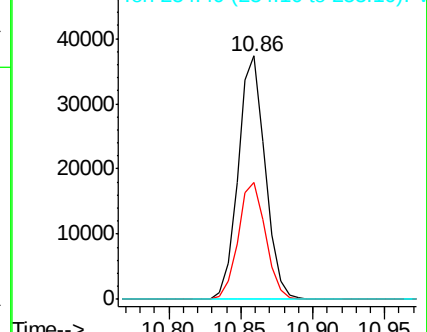
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

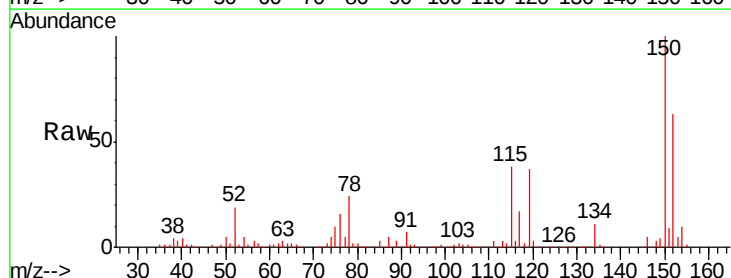
Tgt Ion:152 Resp: 79498

Ion Ratio Lower Upper

152 100

115 78.7 39.4 118.1

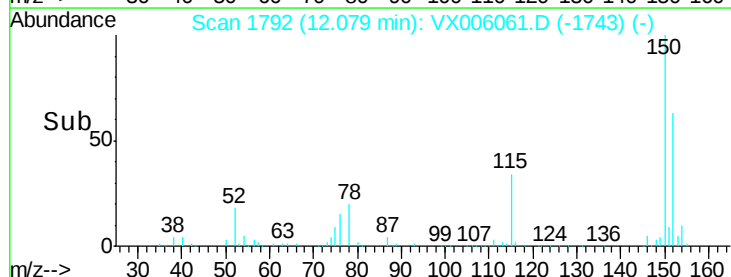
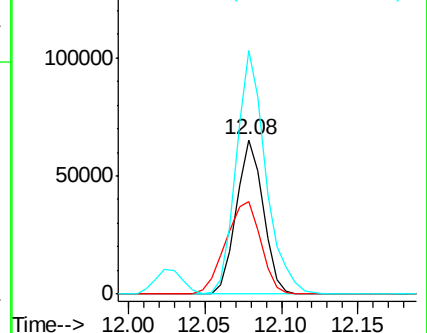
150 173.2 0.0 346.4

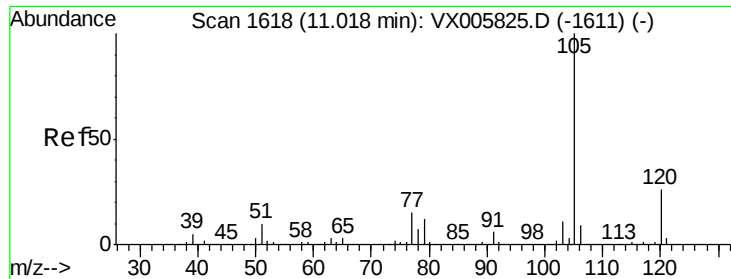


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.18 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 258295

Ion Ratio Lower Upper

105 100

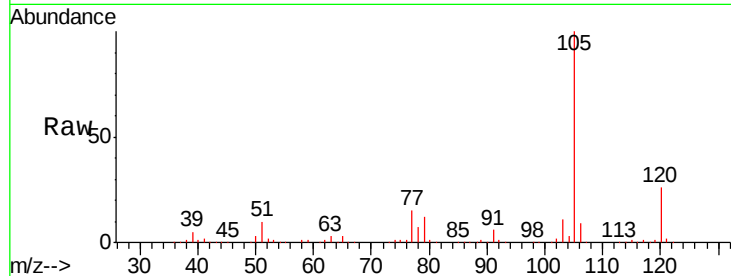
120 26.4 13.1 39.3

Manual Integrations

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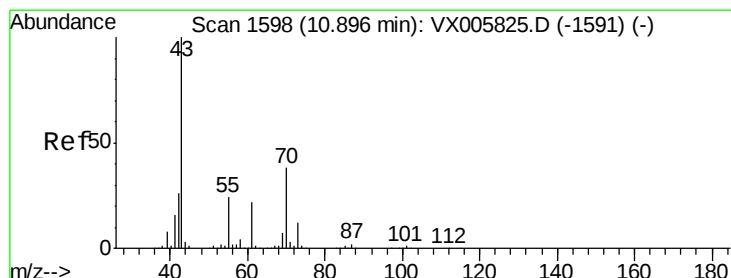
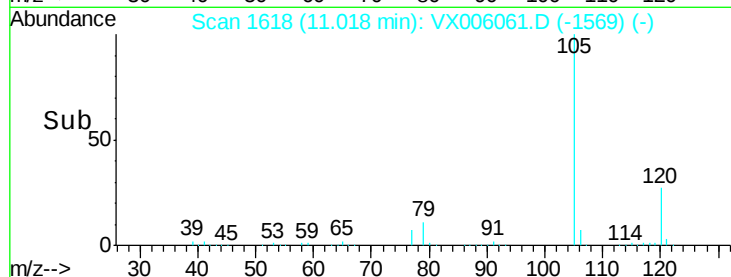
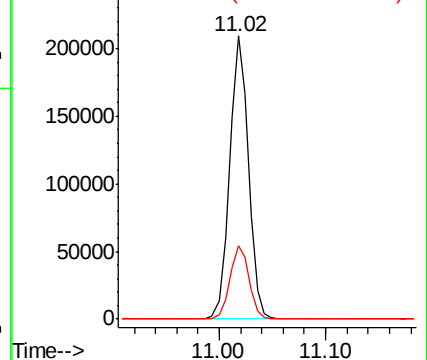
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.10 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Tgt Ion: 43 Resp: 123945

Ion Ratio Lower Upper

43 100

70 40.5 31.6 47.4

55 24.9 19.7 29.5

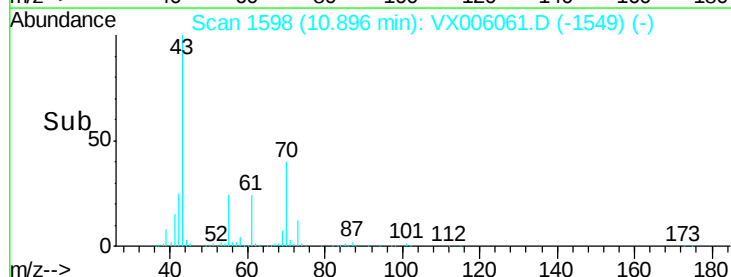
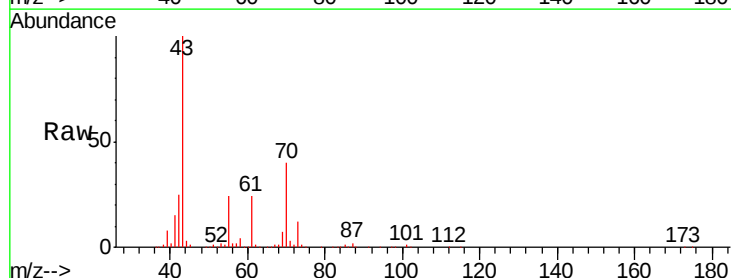
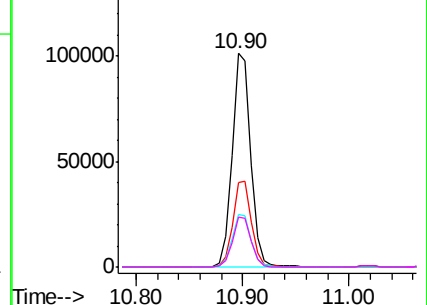
61 23.5 18.3 27.5

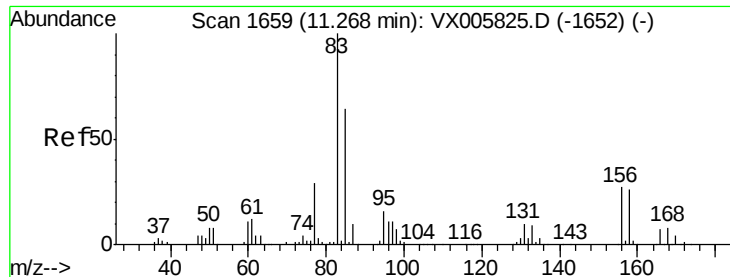
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.66 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

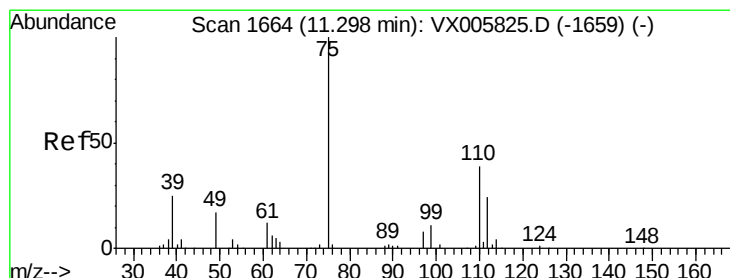
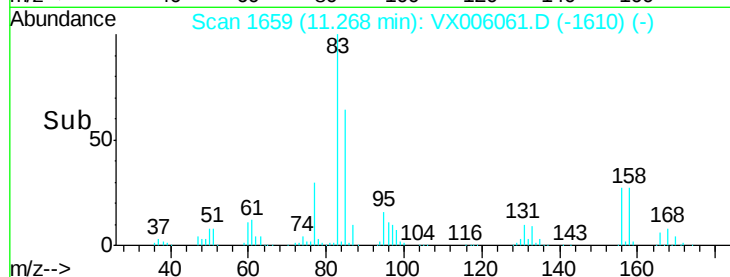
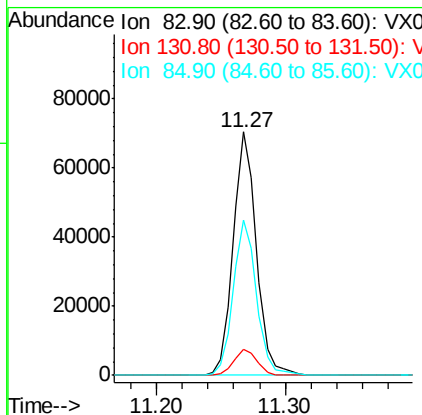
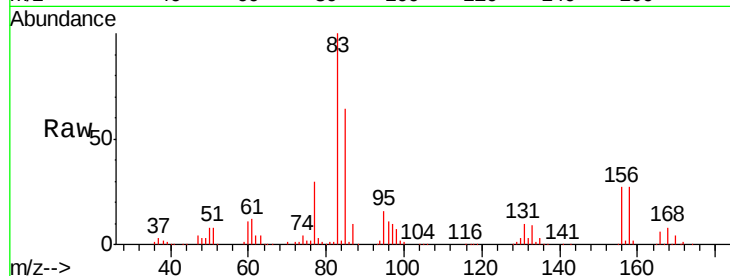
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	88855
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.1	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.31 ug/l m

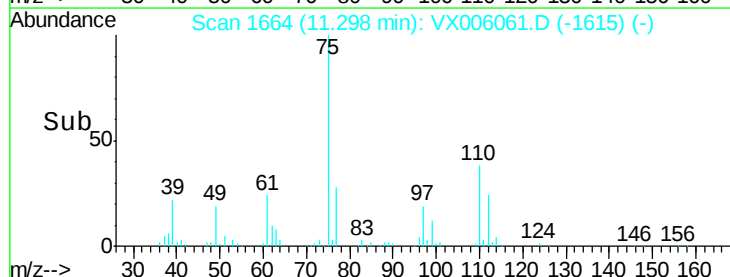
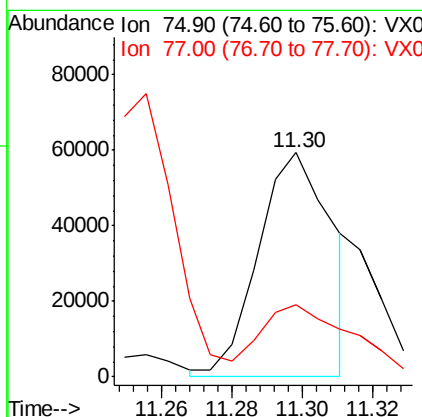
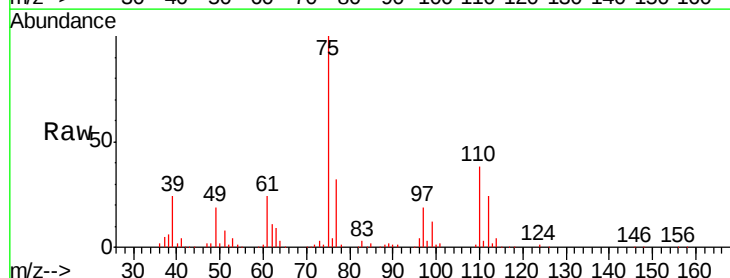
RT: 11.30 min Scan# 1664

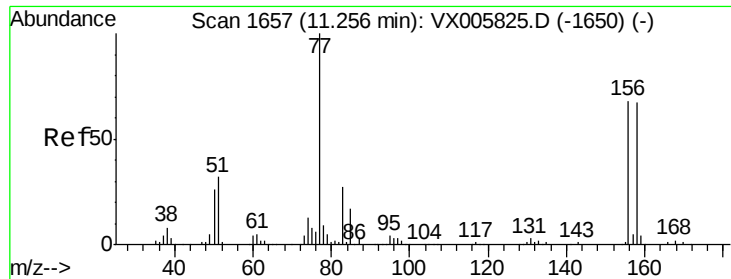
Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Tgt Ion:	75	Resp:	86288
Ion Ratio	Lower	Upper	
75	100		
77	39.9	20.5	61.6





#77

Bromobenzene

Concen: 52.61 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

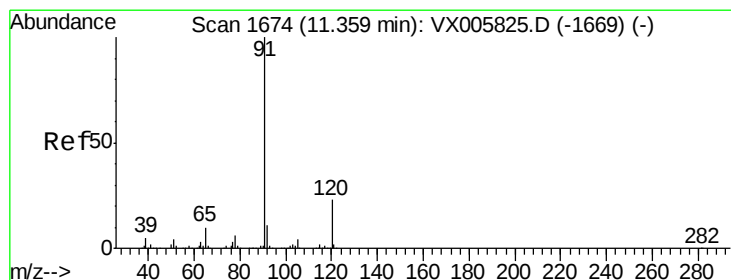
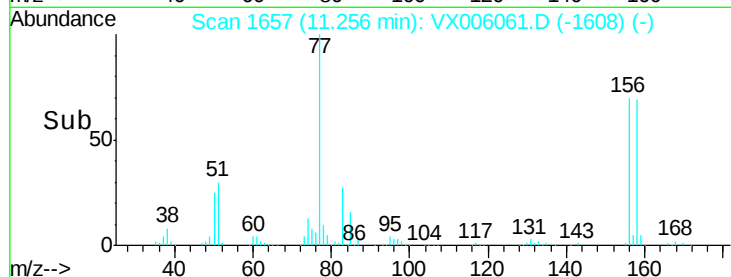
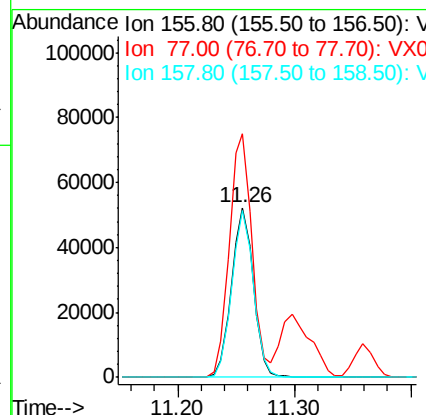
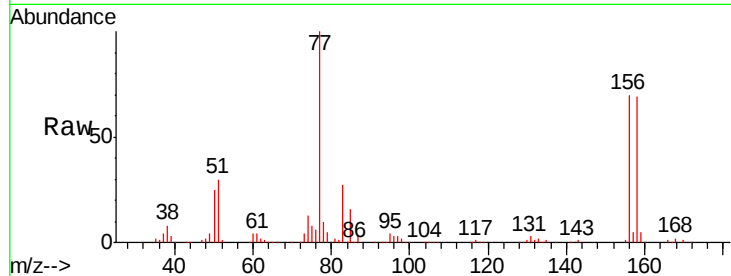
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	148.1	74.8	224.4
158	98.1	49.1	147.3

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#78

n-propylbenzene

Concen: 55.76 ug/l

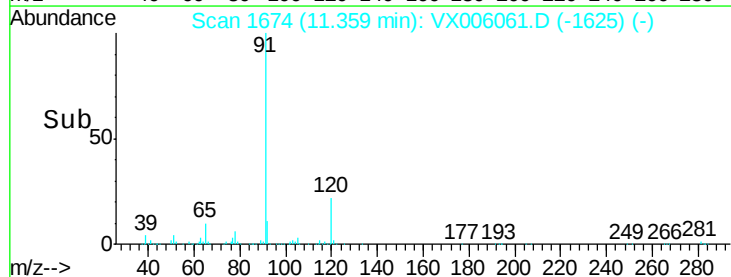
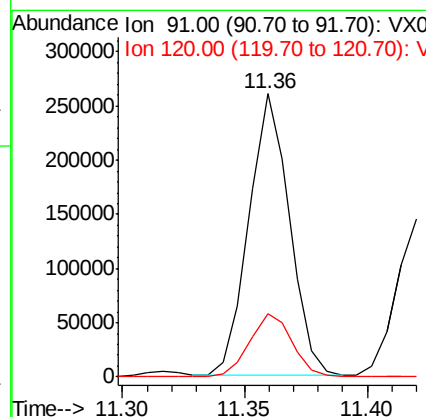
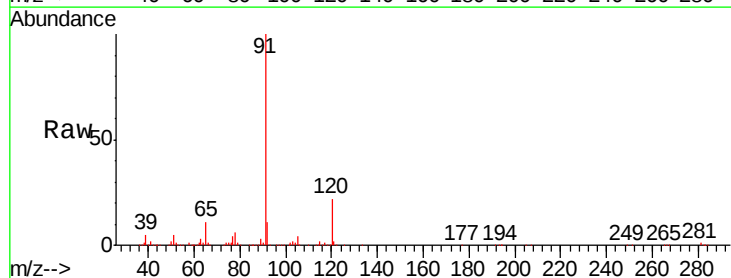
RT: 11.36 min Scan# 1674

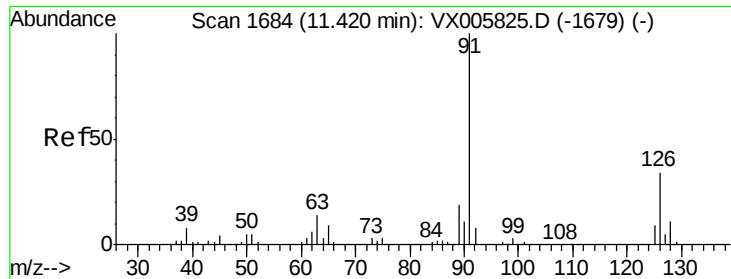
Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.5





#79

2-Chlorotoluene

Concen: 54.47 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 178388

Ion Ratio Lower Upper

91 100

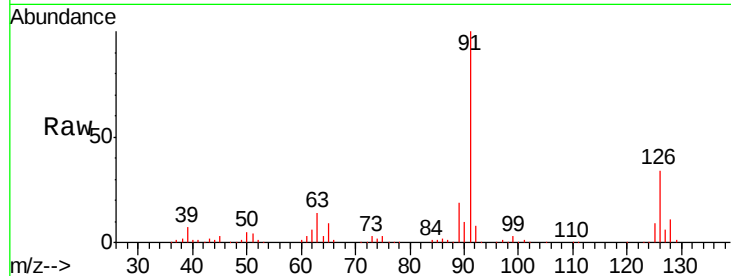
126 34.6 17.3 52.0

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Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005825.D (-1679) (-)

300000

250000

200000

150000

100000

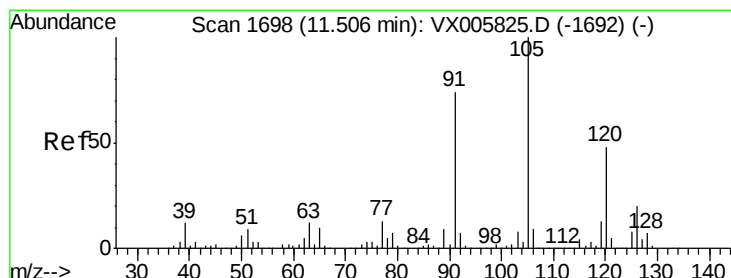
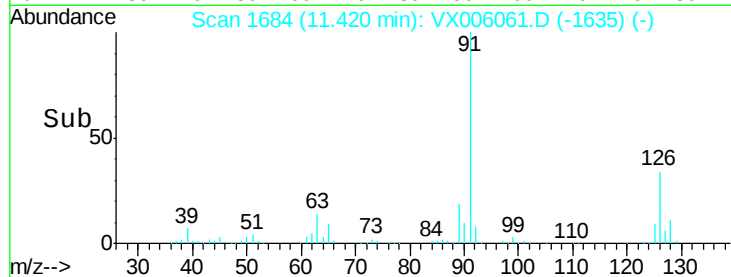
50000

0

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 56.26 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006061.D

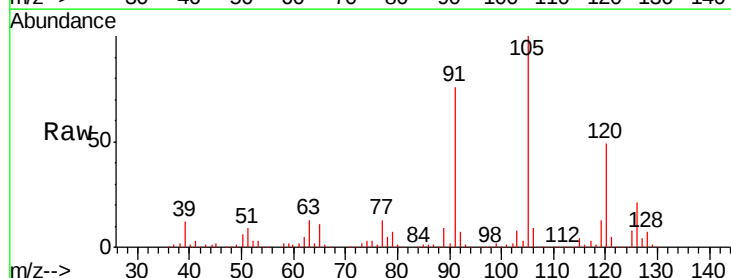
Acq: 17 Nov 2018 11:07

Tgt Ion: 105 Resp: 219805

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1692) (-)

200000

150000

100000

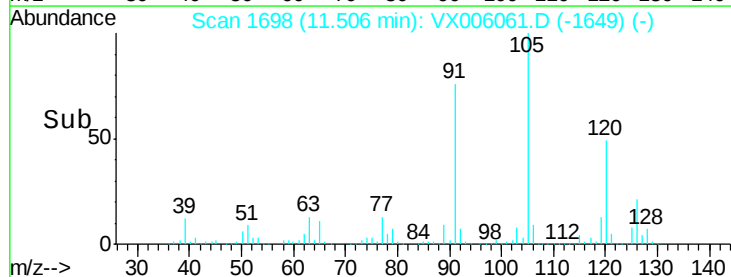
50000

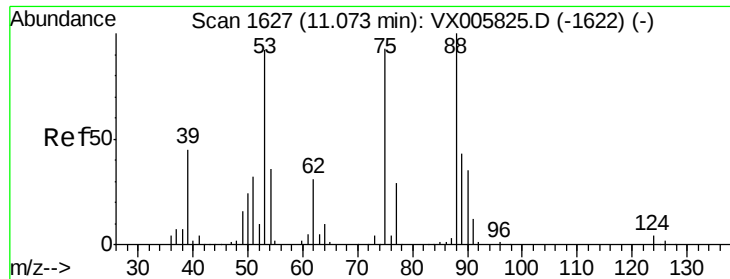
0

11.50

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 57.41 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

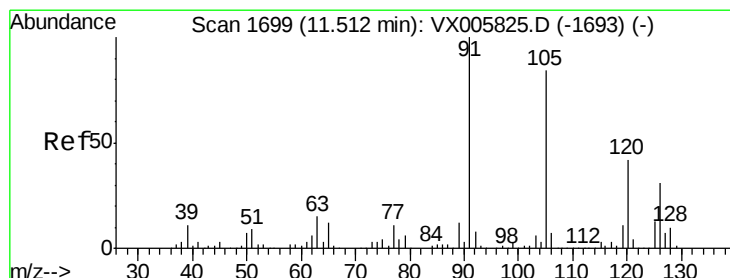
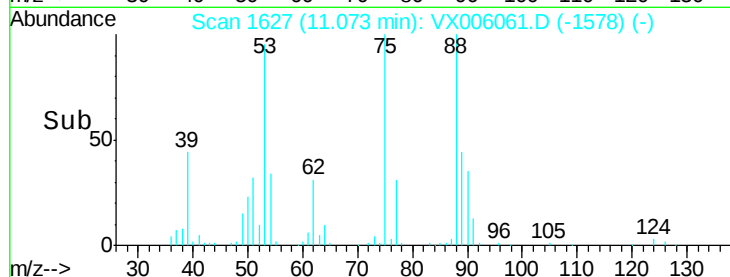
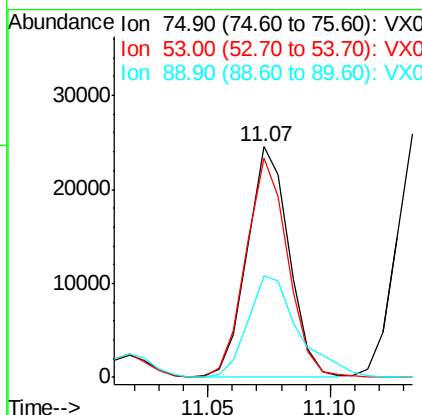
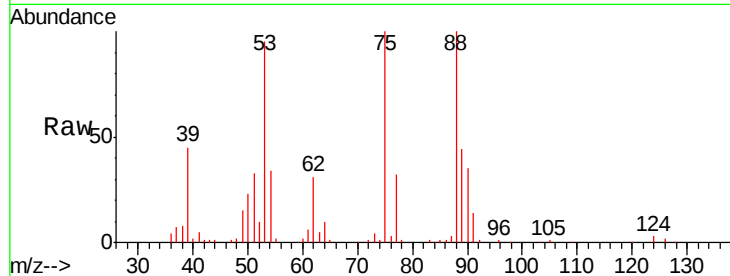
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	29160
Ion Ratio	Lower	Upper	
75	100		
53	96.3	80.2	120.2
89	54.3	39.8	59.8

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#82

4-Chlorotoluene

Concen: 54.80 ug/l

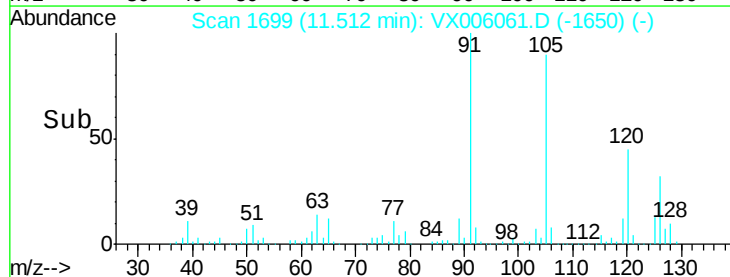
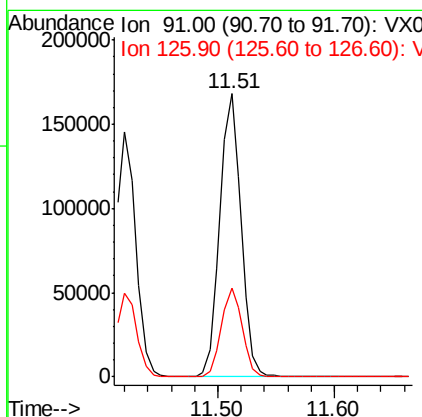
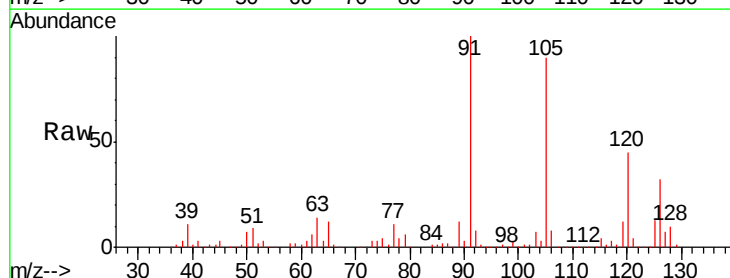
RT: 11.51 min Scan# 1699

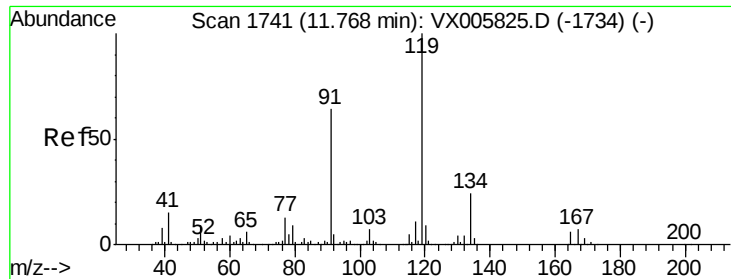
Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Tgt Ion:	91	Resp:	211488
Ion Ratio	Lower	Upper	
91	100		
126	31.1	15.2	45.6





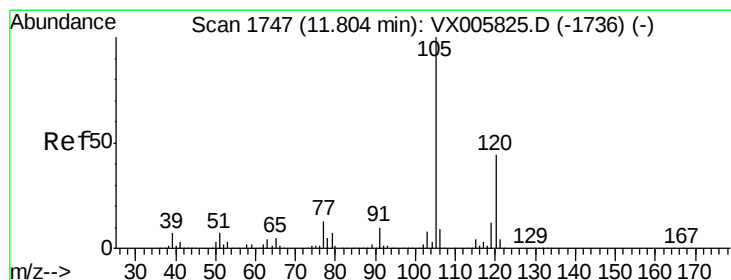
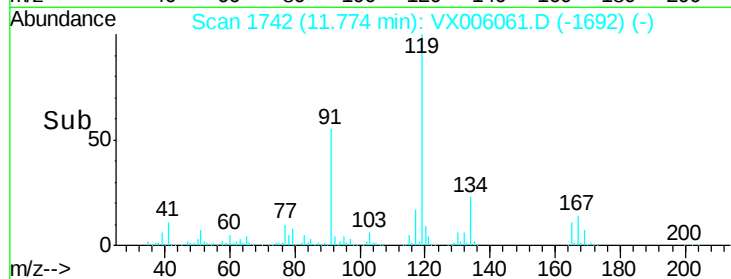
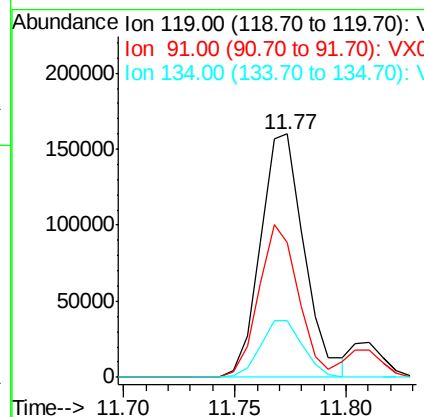
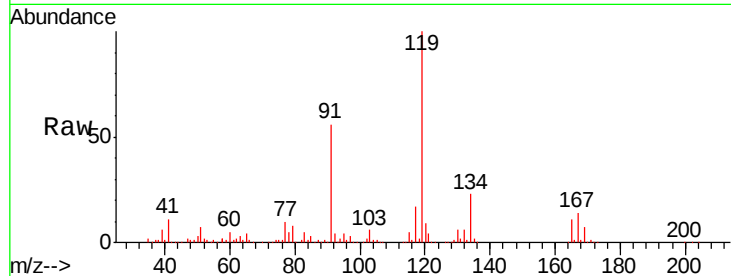
#83
 tert-Butylbenzene
 Concen: 55.50 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	219355		
91	56.7	28.5	85.5	
134	22.6	11.3	33.8	

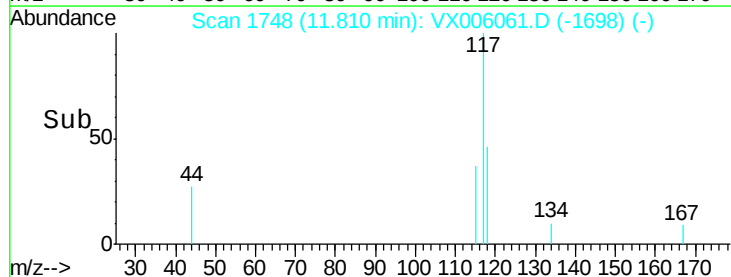
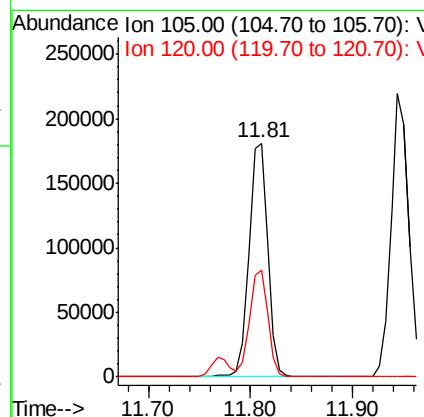
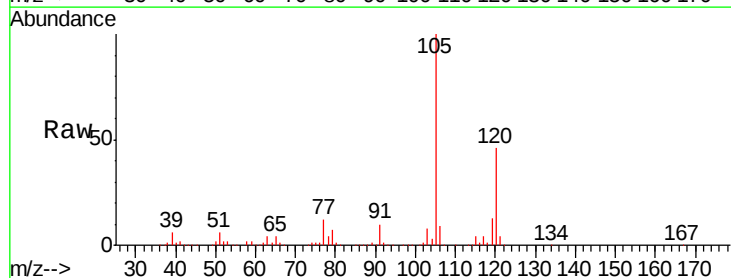
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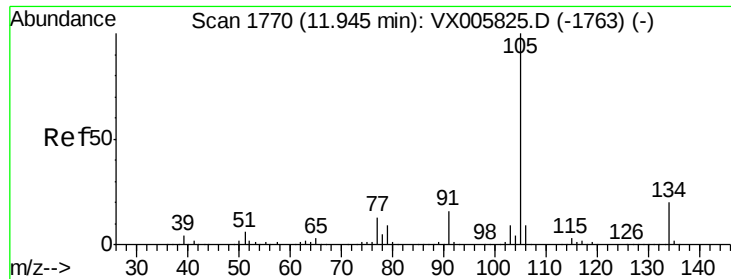
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.16 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229178		
120	44.7	22.4	67.0	





#85

sec-Butylbenzene

Concen: 55.49 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 268192

Ion Ratio Lower Upper

105 100

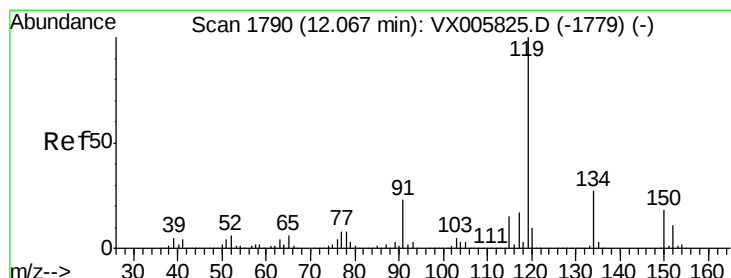
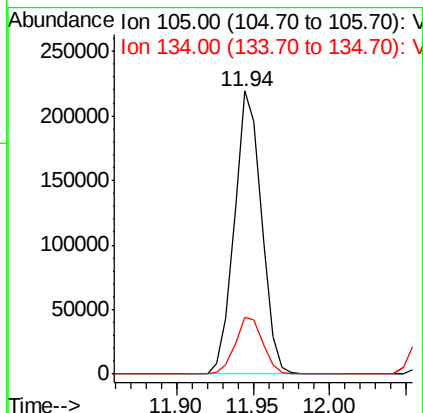
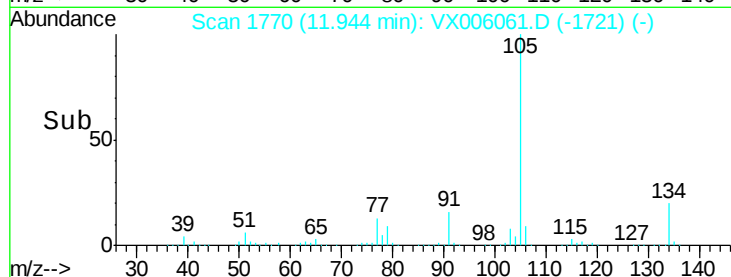
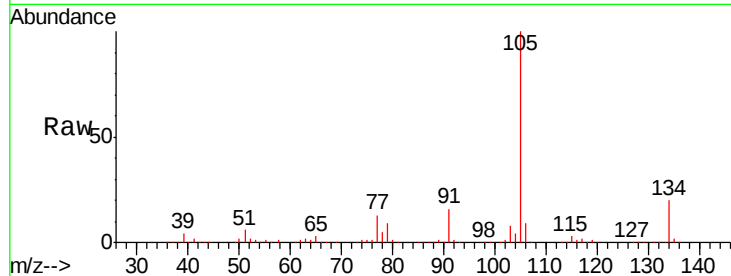
134 20.4 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 57.23 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

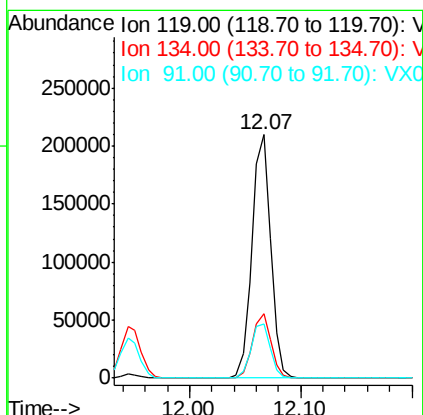
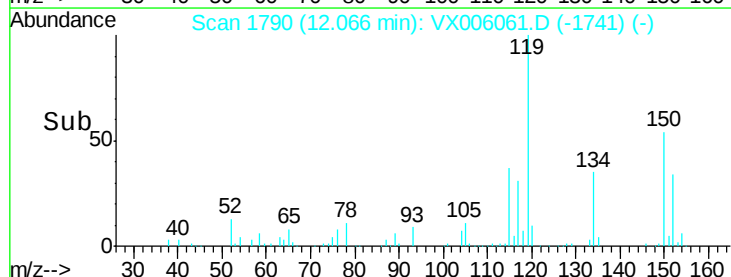
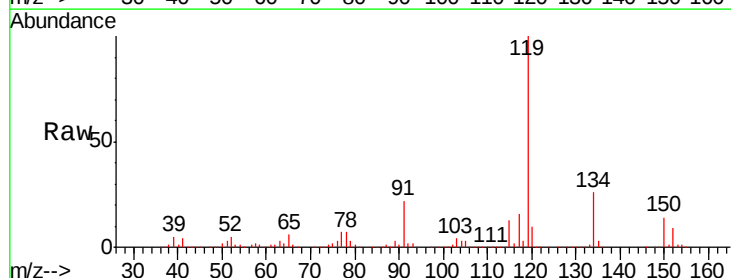
Tgt Ion:119 Resp: 244991

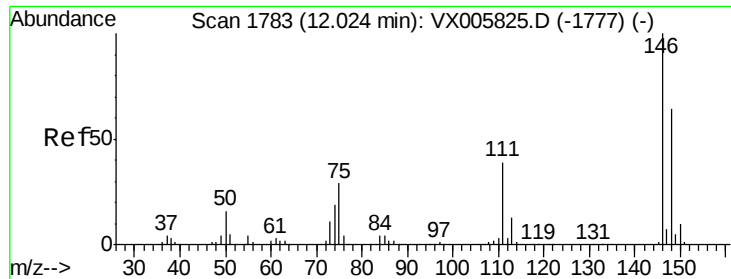
Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

91 23.0 11.4 34.2





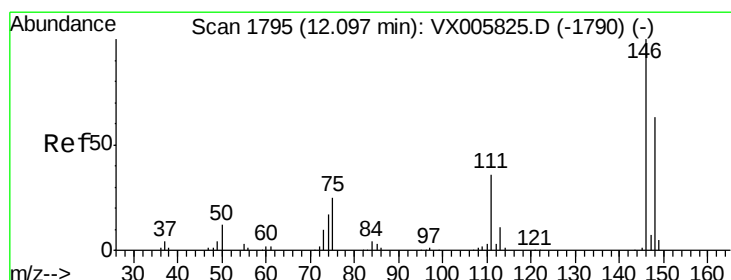
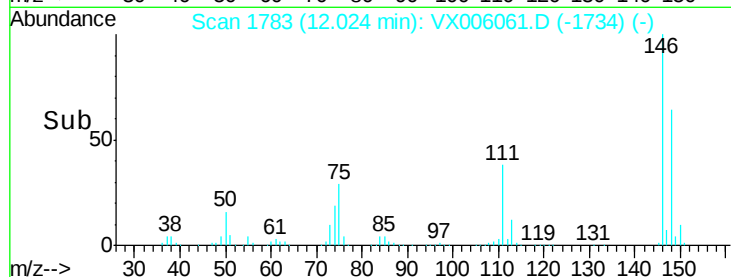
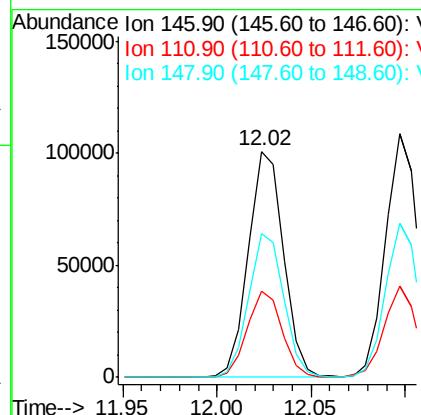
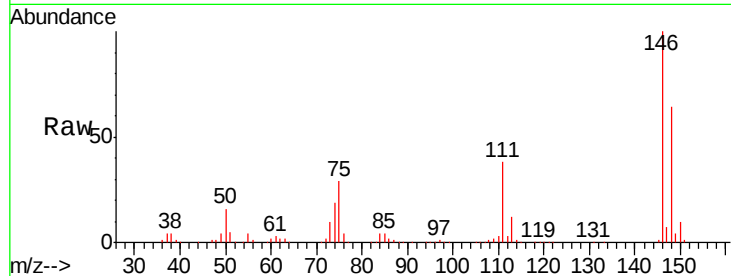
#87
 1,3-Dichlorobenzene
 Concen: 52.60 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	130817		
111	37.9	19.0	57.0	
148	63.7	31.9	95.9	

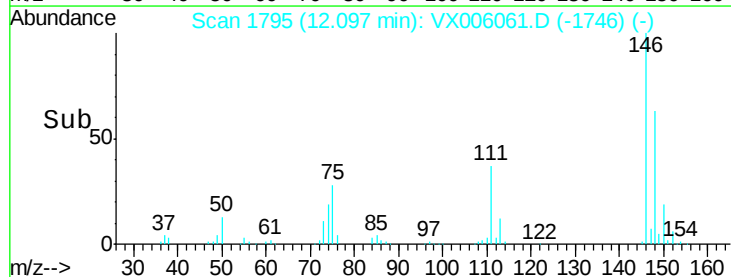
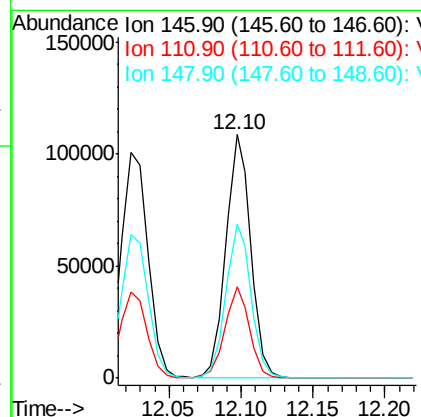
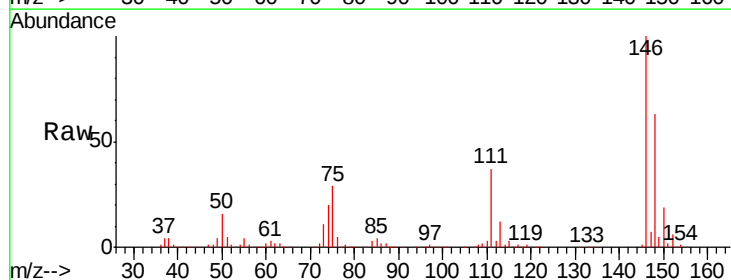
Manual Integrations
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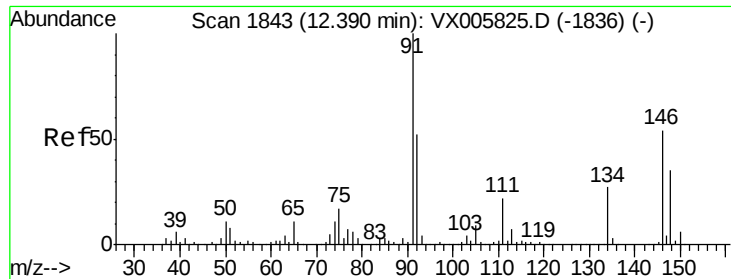
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#88
 1,4-Dichlorobenzene
 Concen: 51.99 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	132353		
111	37.2	18.6	55.8	
148	64.0	32.1	96.3	





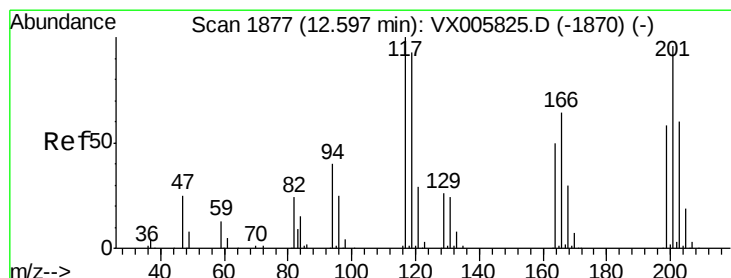
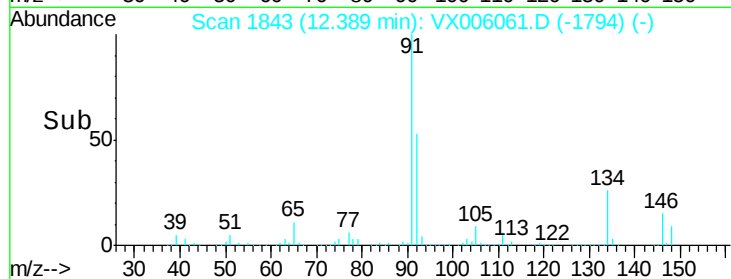
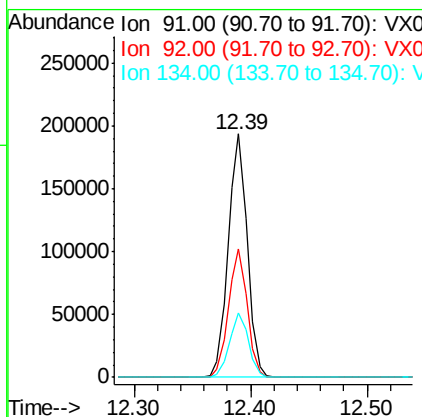
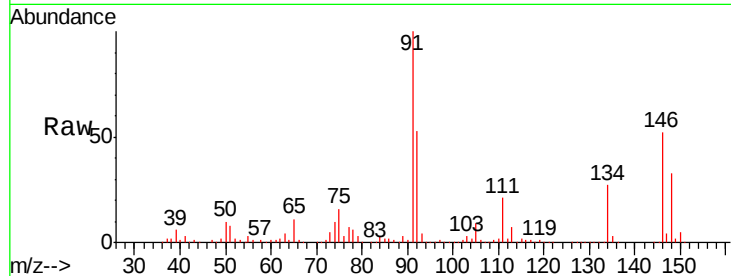
#89
n-Butylbenzene
Concen: 55.16 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	26.4	13.1	39.3

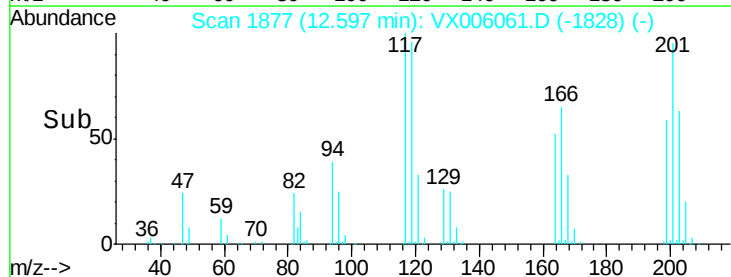
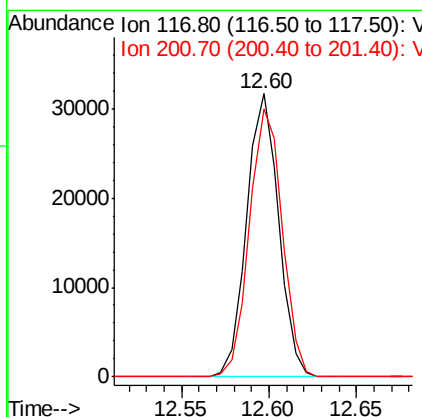
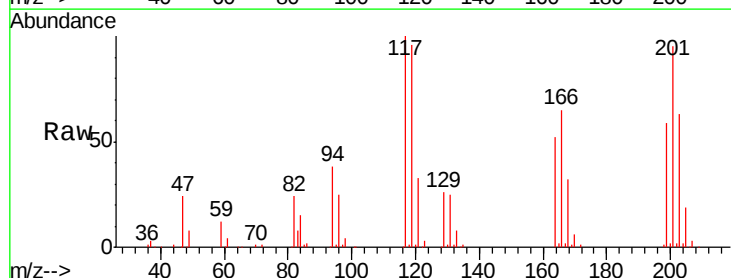
Manual Integrations
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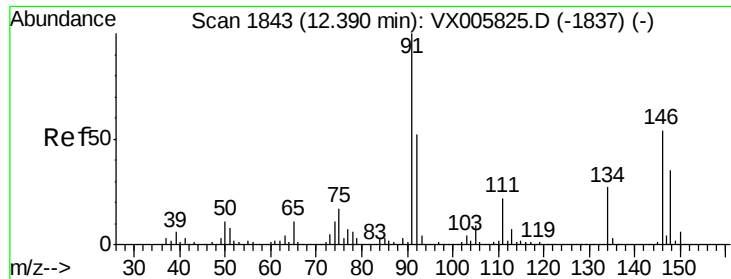
MMDadoda
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#90
Hexachloroethane
Concen: 56.20 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006061.D
Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.3	47.9	143.6





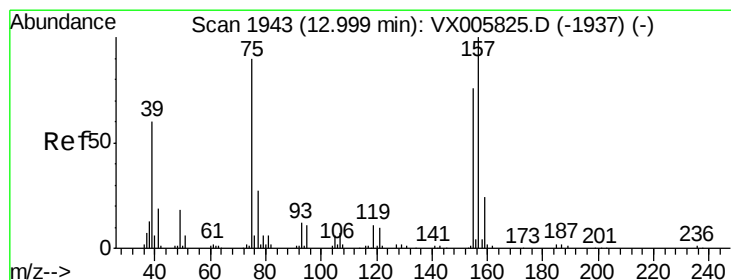
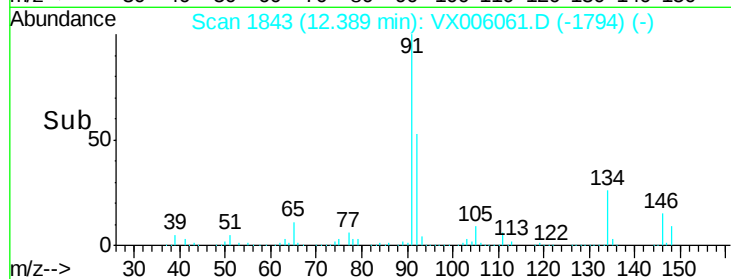
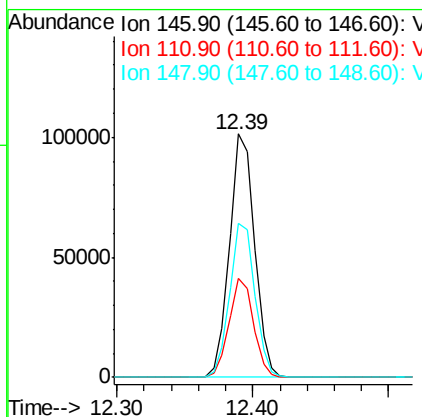
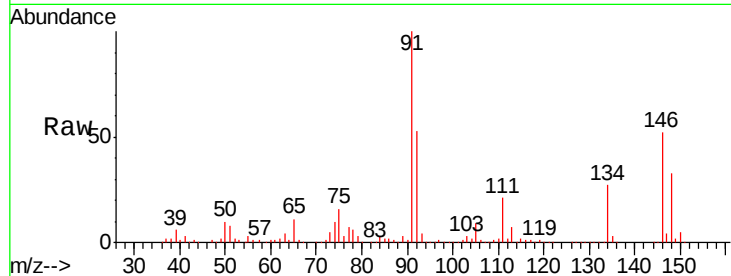
#91
 1,2-Dichlorobenzene
 Concen: 52.13 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.0	32.2	96.6

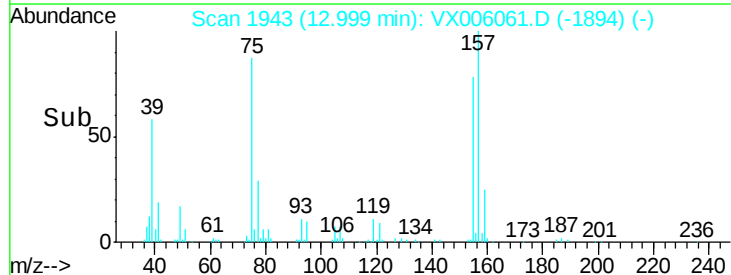
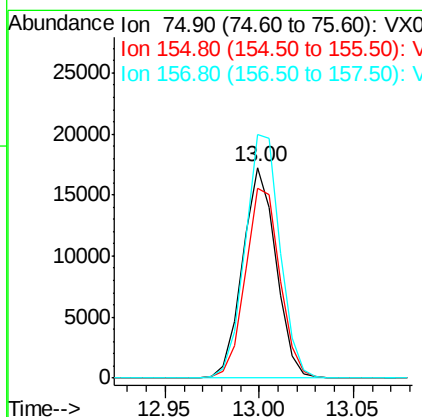
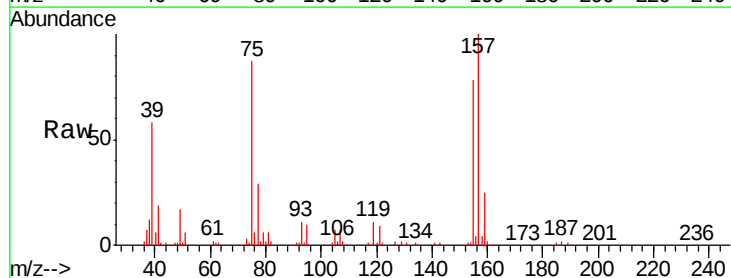
Manual Integrations
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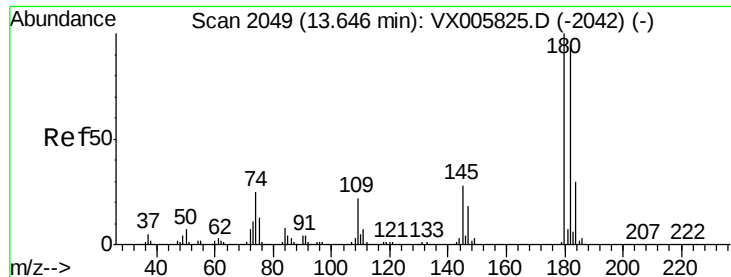
MMDadoda
 11/19/2018 9:24:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.37 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	45.4	136.1
157	121.1	57.4	172.0





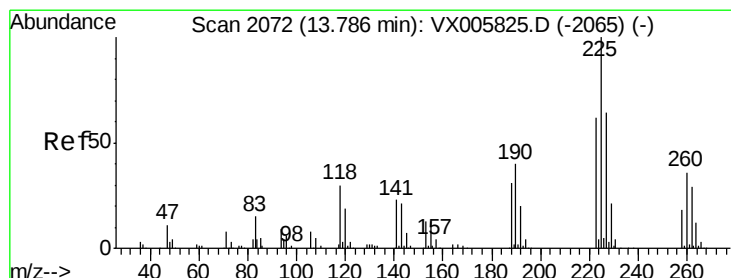
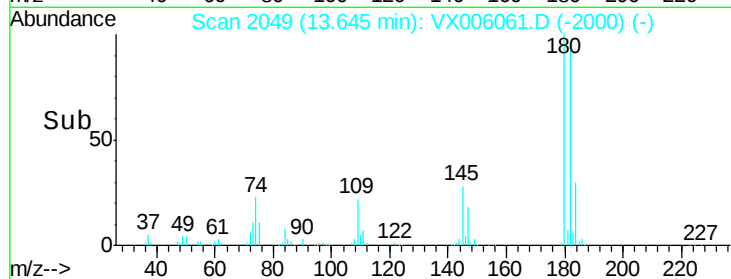
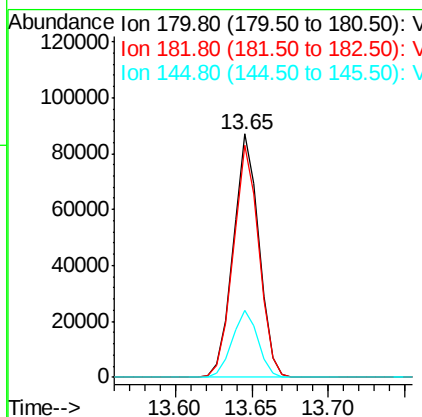
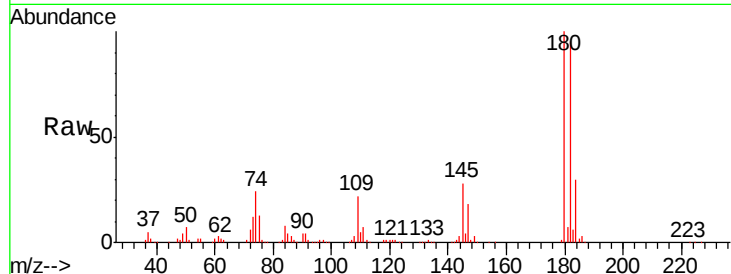
#93
 1,2,4-Trichlorobenzene
 Concen: 57.62 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	27.7	14.1	42.2

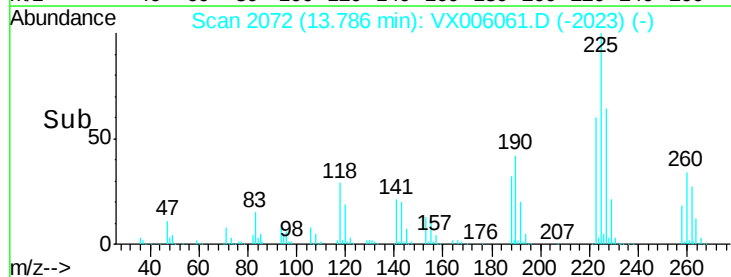
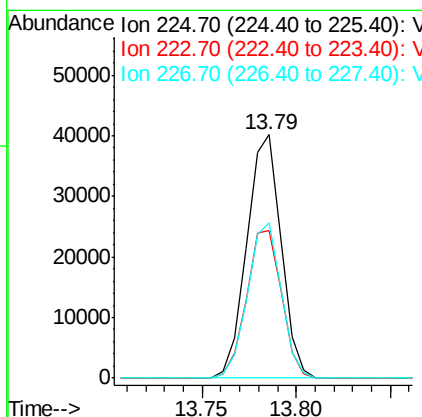
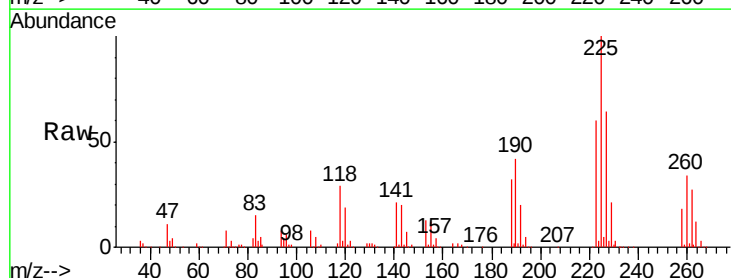
Manual Integrations
 APPROVED

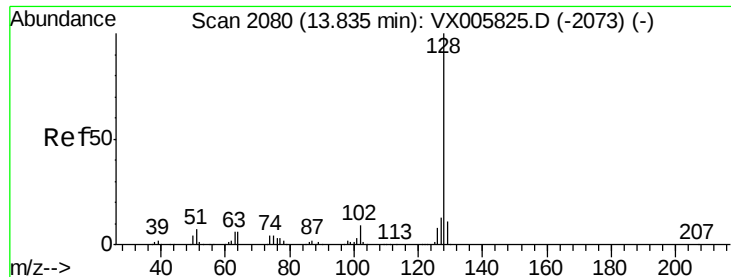
MMDadoda
 11/19/2018 9:24:33 AM



#94
 Hexachlorobutadiene
 Concen: 54.89 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX006061.D
 Acq: 17 Nov 2018 11:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.7	95.1
227	62.8	32.3	96.9





#95

Naphthalene

Concen: 51.53 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Instrument :

MSVOA_X

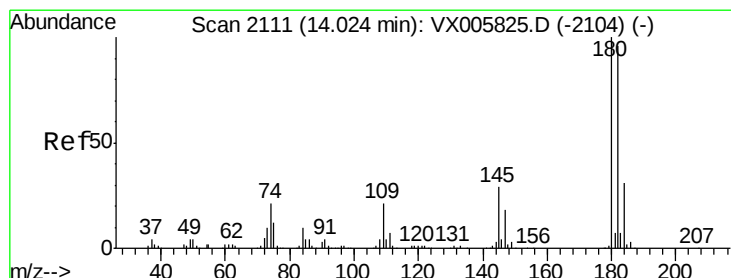
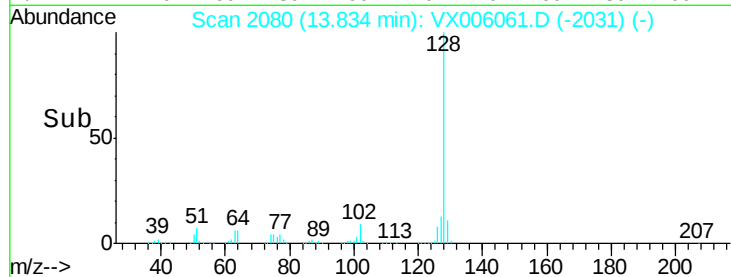
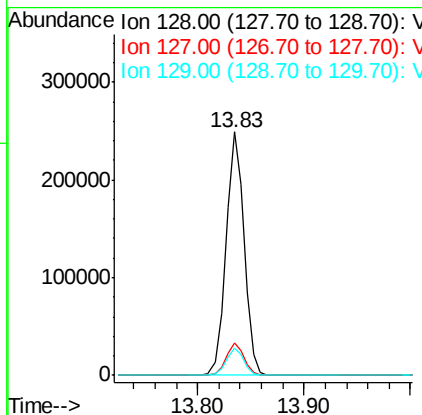
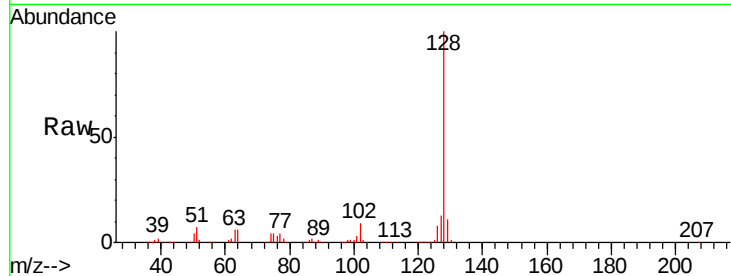
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	294950
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/19/2018 9:24:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.73 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX006061.D

Acq: 17 Nov 2018 11:07

Tgt Ion:	180	Resp:	99572
Ion Ratio		Lower	Upper
180	100		
182	96.9	48.0	144.2
145	30.5	15.1	45.3

