

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091718\
 Data File : VX004621.D
 Acq On : 17 Sep 2018 15:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2018 4:03:00 PM

Quant Time: Sep 18 01:06:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	280913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341126	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	140178	38.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.40%	
35) Dibromofluoromethane	5.50	113	127375	40.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.60%	
50) Toluene-d8	8.71	98	418384	39.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.94%	
62) 4-Bromofluorobenzene	11.14	95	155331	41.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	125712	47.75	ug/l	100
3) Chloromethane	1.32	50	156679	43.24	ug/l	98
4) Vinyl Chloride	1.40	62	176909	47.57	ug/l	96
5) Bromomethane	1.64	94	77546	49.80	ug/l	99
6) Chloroethane	1.71	64	108562	45.14	ug/l	95
7) Trichlorofluoromethane	1.92	101	228388	46.33	ug/l	86
8) Diethyl Ether	2.19	74	103087	46.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	144632	46.25	ug/l	95
10) Methyl Iodide	2.51	142	149824	40.92	ug/l	98
11) Tert butyl alcohol	3.06	59	182861	211.57	ug/l	99
12) 1,1-Dichloroethene	2.37	96	135296	46.09	ug/l	98
13) Acrolein	2.29	56	81953	240.21	ug/l	98
14) Allyl chloride	2.72	41	284898	47.21	ug/l	94
15) Acrylonitrile	3.15	53	487476	234.22	ug/l	95
16) Acetone	2.44	43	431805	244.25	ug/l	93
17) Carbon Disulfide	2.57	76	418291	49.30	ug/l	100
18) Methyl Acetate	2.78	43	218322	44.02	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	469219	45.56	ug/l	95
20) Methylene Chloride	2.85	84	162126	44.70	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	164814	50.81	ug/l	87
22) Diisopropyl ether	3.86	45	533900	49.12	ug/l	97
23) Vinyl Acetate	3.82	43	2182192	248.11	ug/l	97
24) 1,1-Dichloroethane	3.69	63	305244	49.75	ug/l	97
25) 2-Butanone	4.70	43	586223	208.35	ug/l	99
26) 2,2-Dichloropropane	4.58	77	231470	54.92	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	179626	49.61	ug/l	98
28) Bromochloromethane	5.01	49	108136	38.53	ug/l	98
29) Tetrahydrofuran	5.15	42	382141	225.22	ug/l	97
30) Chloroform	5.21	83	282693	47.19	ug/l	99
31) Cyclohexane	5.57	56	263439	50.28	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	234477	48.60	ug/l	98
36) 1,1-Dichloropropene	5.79	75	220397	53.22	ug/l	98
37) Ethyl Acetate	4.85	43	218116	46.31	ug/l	99
38) Carbon Tetrachloride	5.77	117	209349	51.75	ug/l	95

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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Sep 18 01:06:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	253721	58.71	ug/l	87
40) Benzene	6.14	78	671032	54.61	ug/l	95
41) Methacrylonitrile	5.05	41	125381	48.31	ug/l	99
42) 1,2-Dichloroethane	6.20	62	198015	48.59	ug/l	100
43) Isopropyl Acetate	6.46	43	347733	55.58	ug/l	98
44) Trichloroethene	7.21	130	172610	54.07	ug/l	92
45) 1,2-Dichloropropane	7.51	63	149314	50.50	ug/l	98
46) Dibromomethane	7.66	93	94158	50.41	ug/l	99
47) Bromodichloromethane	7.90	83	182766	51.74	ug/l	93
48) Methyl methacrylate	7.77	41	151881	49.05	ug/l	98
49) 1,4-Dioxane	7.75	88	70982	968.64	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	964577	218.48	ug/l	99
52) Toluene	8.79	92	355876	49.16	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	206524	50.05	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	227641	54.12	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	142810	45.81	ug/l	97
56) Ethyl methacrylate	9.18	69	212052	48.09	ug/l	98
57) 1,3-Dichloropropane	9.37	76	236549	46.70	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	495972	221.60	ug/l	97
59) 2-Hexanone	9.49	43	753072	222.38	ug/l	98
60) Dibromochloromethane	9.59	129	150733	51.36	ug/l	100
61) 1,2-Dibromoethane	9.67	107	148285	49.80	ug/l	99
64) Tetrachloroethene	9.34	164	180824	47.90	ug/l	99
65) Chlorobenzene	10.14	112	404805	53.90	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	143579	55.44	ug/l	100
67) Ethyl Benzene	10.25	91	686351	56.20	ug/l	98
68) m/p-Xylenes	10.36	106	545034	115.87	ug/l	99
69) o-Xylene	10.70	106	260071	57.51	ug/l	100
70) Styrene	10.71	104	440697	58.82	ug/l	100
71) Bromoform	10.86	173	121087	56.94	ug/l	100
73) Isopropylbenzene	11.02	105	706304	55.93	ug/l	100
74) N-amyl acetate	10.90	43	273688	51.49	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	205147	50.36	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	197969m	51.31	ug/l	
77) Bromobenzene	11.26	156	189381	54.25	ug/l	99
78) n-propylbenzene	11.36	91	824358	56.77	ug/l	100
79) 2-Chlorotoluene	11.42	91	473680	53.78	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	604211	56.91	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	69188	57.16	ug/l	92
82) 4-Chlorotoluene	11.51	91	560473	54.53	ug/l	98
83) tert-Butylbenzene	11.77	119	586192	57.99	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	620756	57.27	ug/l	99
85) sec-Butylbenzene	11.94	105	742583	57.65	ug/l	99
86) p-Isopropyltoluene	12.07	119	674472	59.30	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	357094	54.83	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	360932	53.63	ug/l	100
89) n-Butylbenzene	12.39	91	608123	58.67	ug/l	98
90) Hexachloroethane	12.60	117	102852	56.48	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	355316	53.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45476	52.28	ug/l	96

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ClientSampleId :
VSTDCCC050

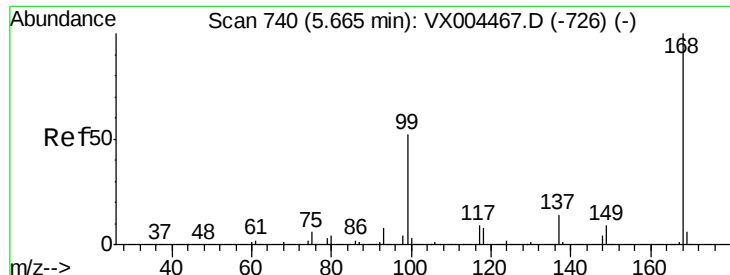
Manual Integrations
APPROVED

MMDadoda
9/18/2018 4:03:00 PM

Quant Time: Sep 18 01:06:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	277645	59.48	ug/l	99
94) Hexachlorobutadiene	13.79	225	144439	59.24	ug/l	96
95) Naphthalene	13.83	128	755281	57.69	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	275106	57.37	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Tot Ion: 168 Resp: 280913

Ion Ratio Lower Upper

168 100

99 48.0 39.9 59.9

Instrument :

MSVOA_X

ClientSampleId :

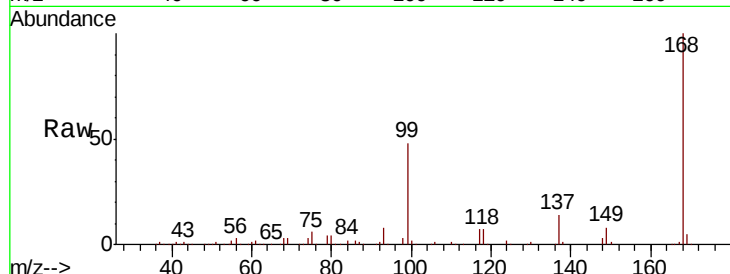
VSTDCCC050

Manual Integrations

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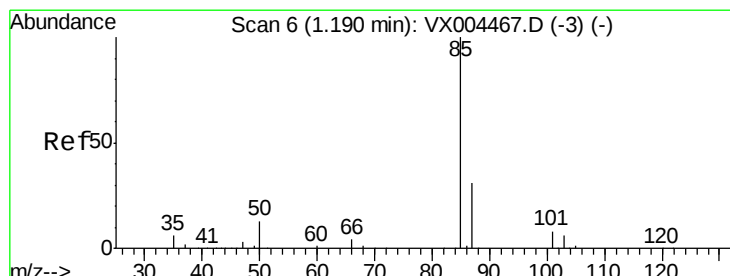
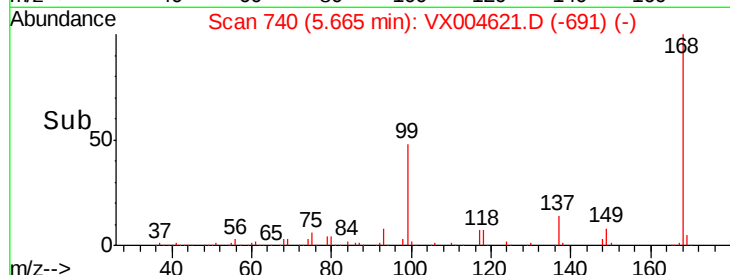
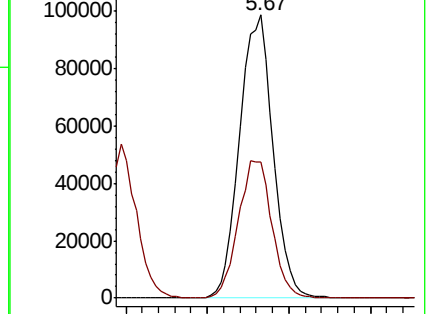
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.75 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004621.D

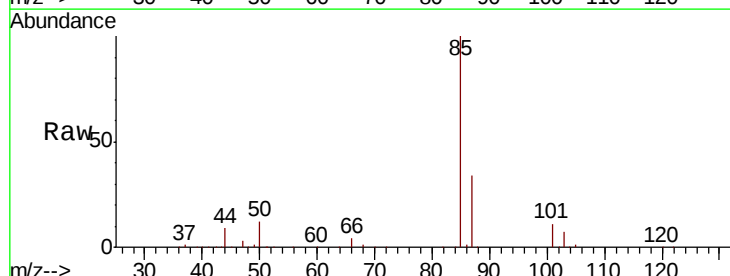
Acq: 17 Sep 2018 15:47

Tgt Ion: 85 Resp: 125712

Ion Ratio Lower Upper

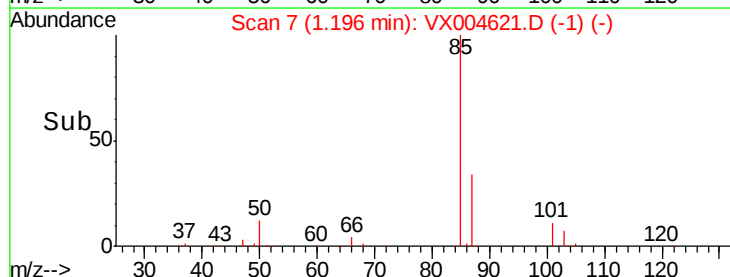
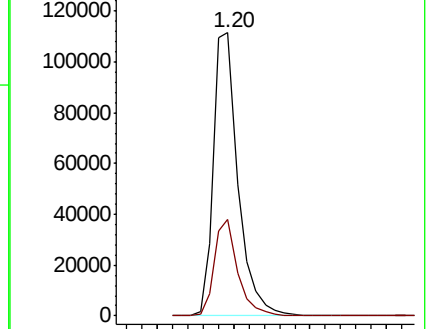
85 100

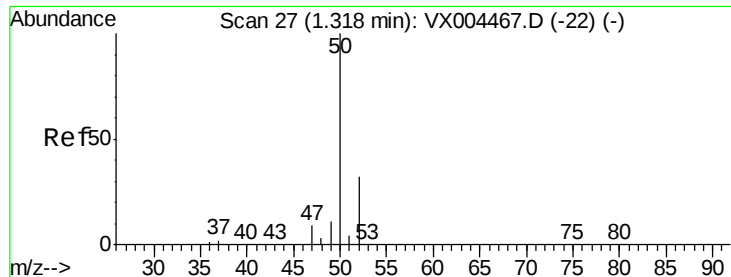
87 34.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 43.24 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 156679

Ion Ratio Lower Upper

50 100

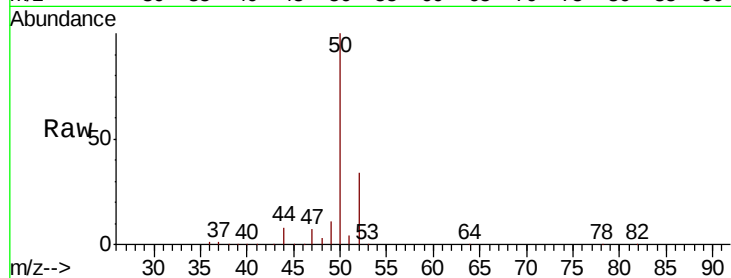
52 34.0 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

150000

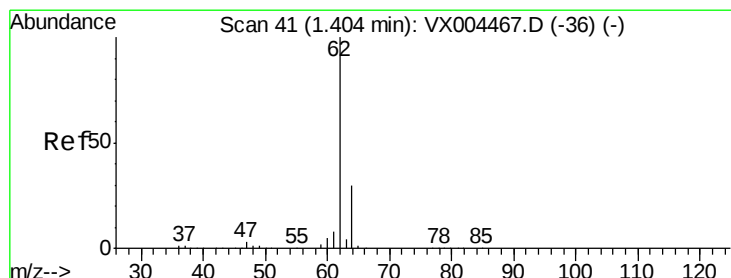
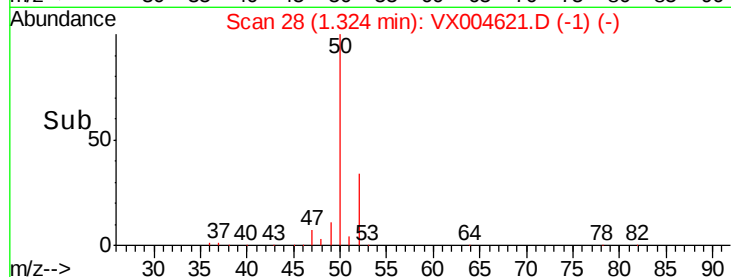
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 47.57 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004621.D

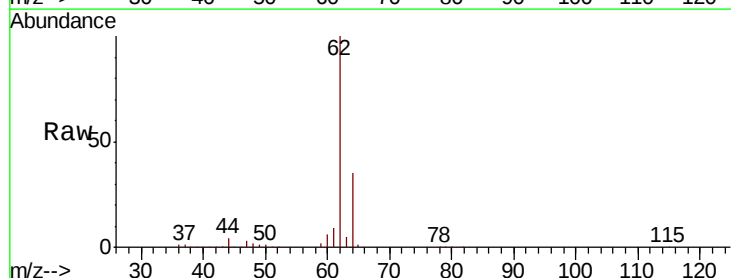
Acq: 17 Sep 2018 15:47

Tgt Ion: 62 Resp: 176909

Ion Ratio Lower Upper

62 100

64 34.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

150000

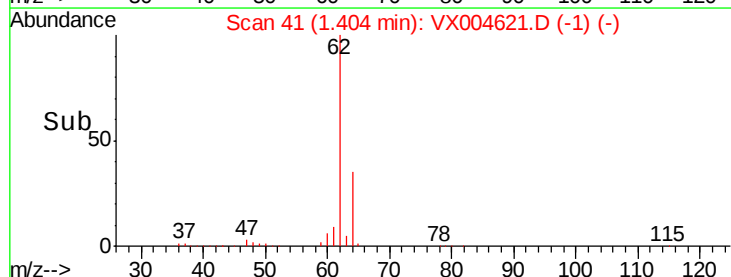
100000

50000

0

1.30 1.40 1.50

Time-->





#5

Bromomethane

Concen: 49.80 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Tot Ion: 94 Resp: 77546

Ion Ratio Lower Upper

94 100

96 94.1 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

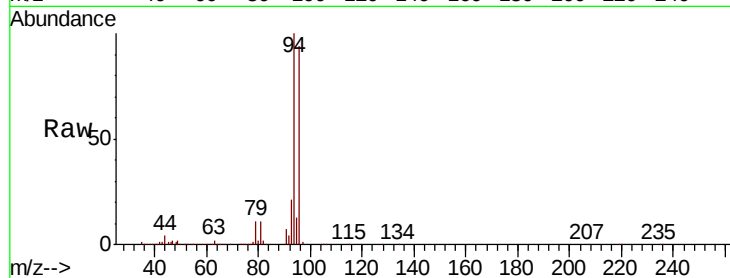
VSTDCCC050

Manual Integrations

APPROVED

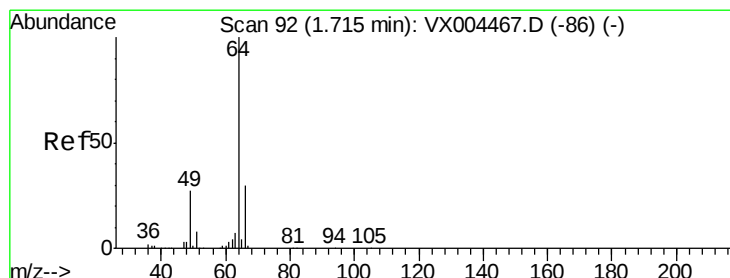
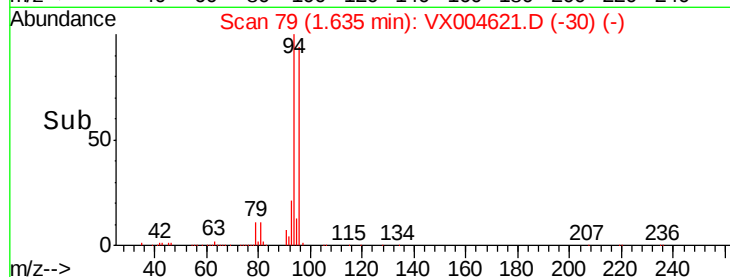
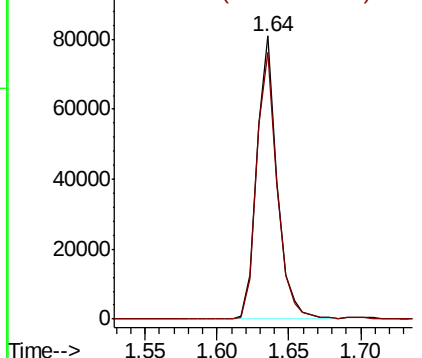
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.14 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004621.D

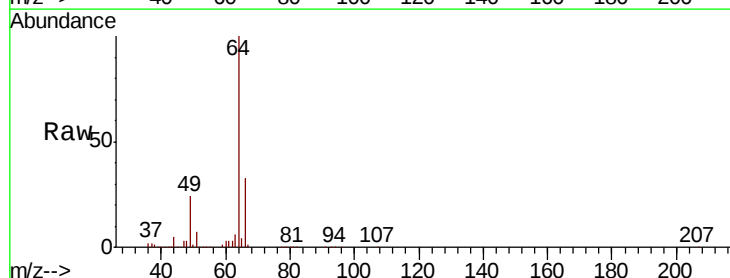
Acq: 17 Sep 2018 15:47

Tgt Ion: 64 Resp: 108562

Ion Ratio Lower Upper

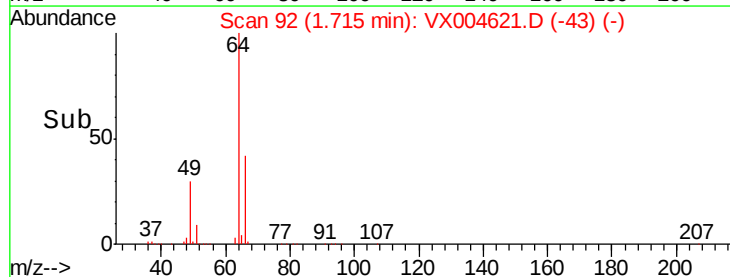
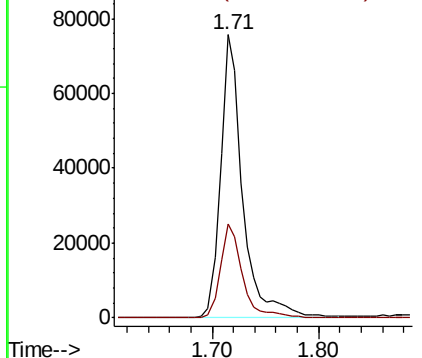
64 100

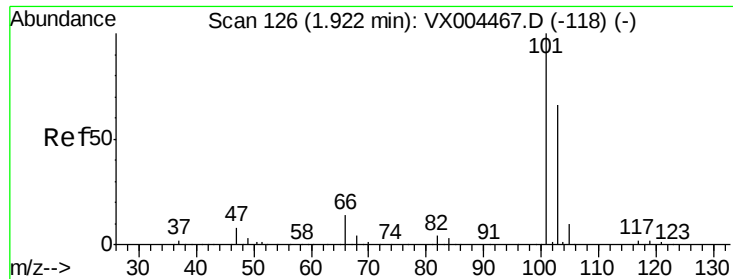
66 33.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

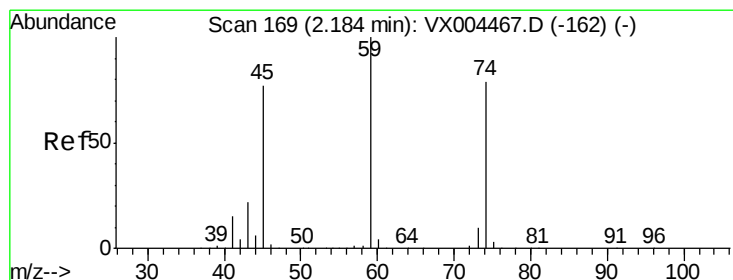
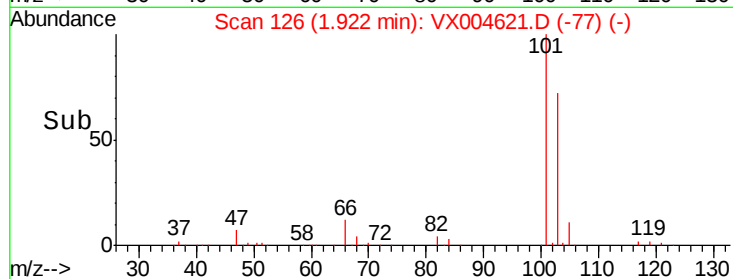
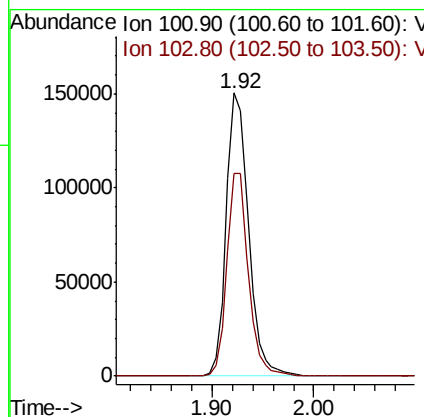
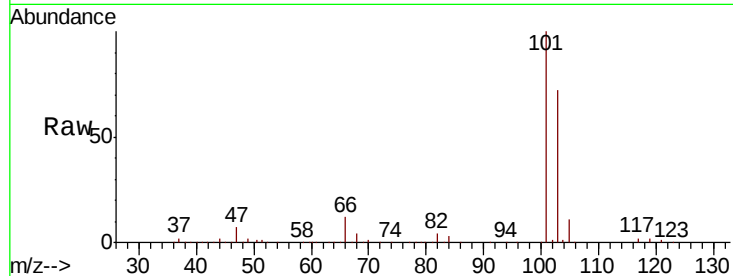
Trichlorofluoromethane
 Concen: 46.33 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Instrument :
 MSVOA_X
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	71.8	48.9	73.3

Manual Integrations
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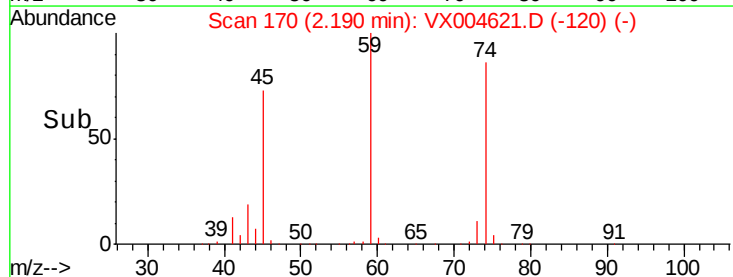
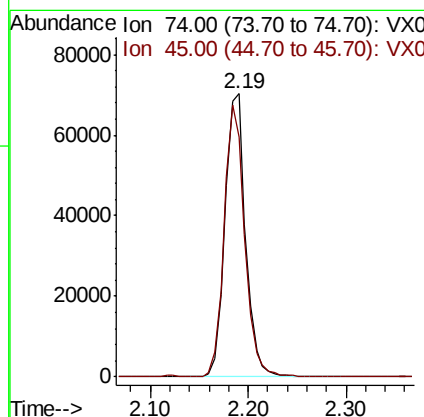
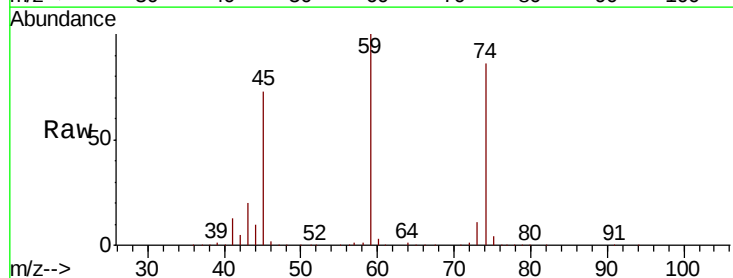
MMDadoda
 9/18/2018 4:03:00 PM

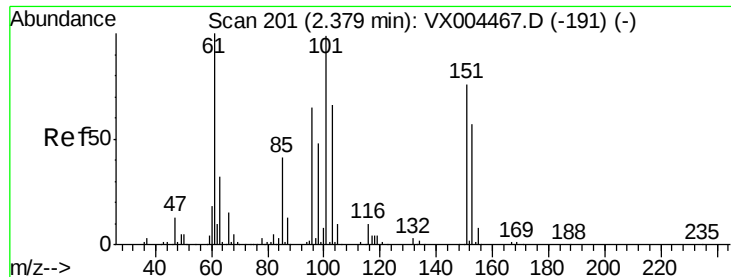


#8

Diethyl Ether
 Concen: 46.64 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.25 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

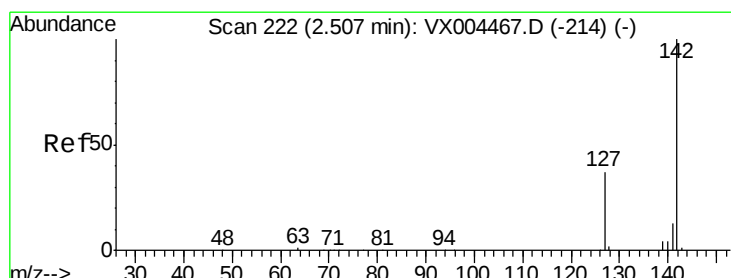
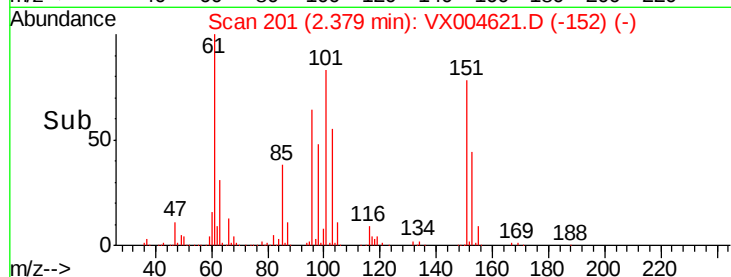
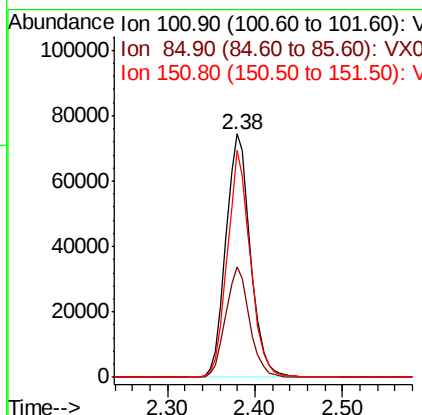
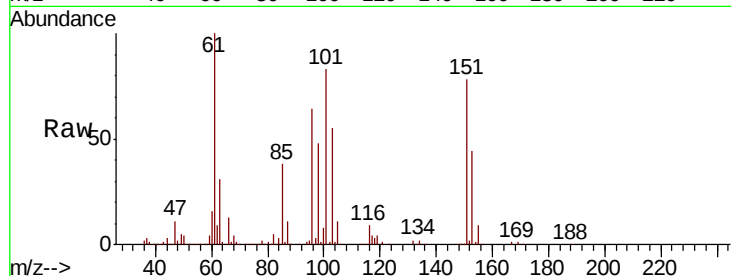
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	144632
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.2	51.4
151	87.5	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 40.92 ug/l

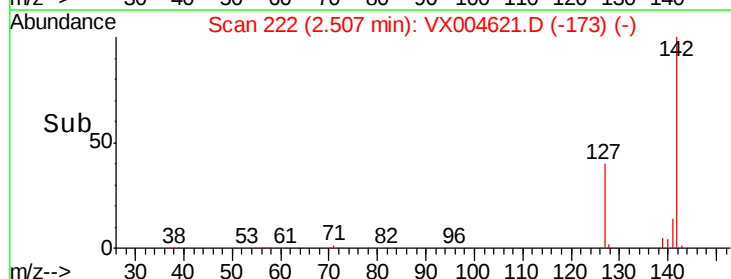
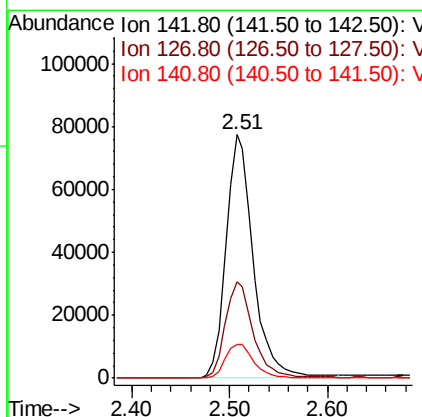
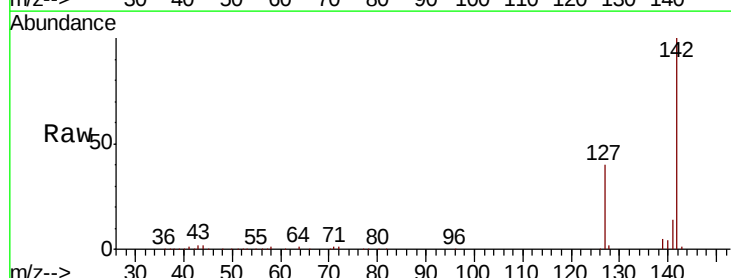
RT: 2.51 min Scan# 222

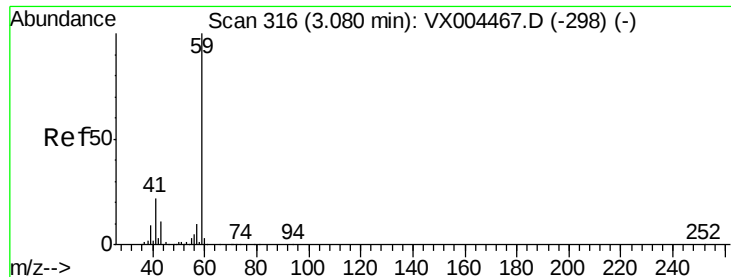
Delta R.T. 0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Tgt Ion:	142	Resp:	149824
Ion Ratio	Lower	Upper	
142	100		
127	40.6	33.8	50.6
141	15.0	11.4	17.0





#11

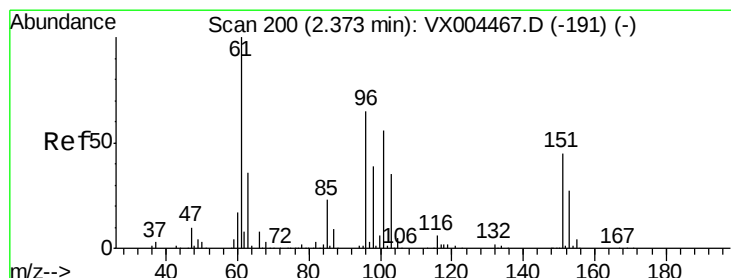
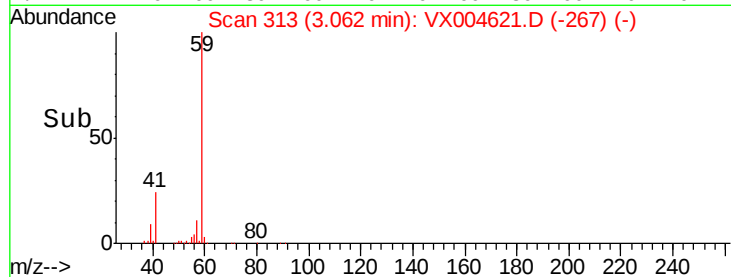
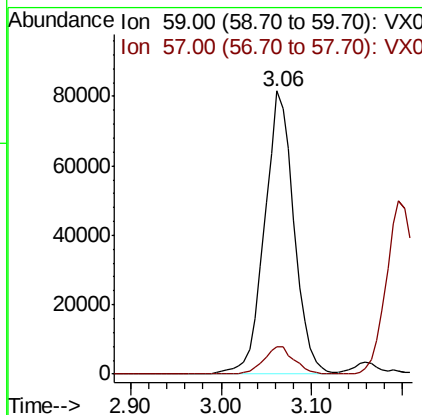
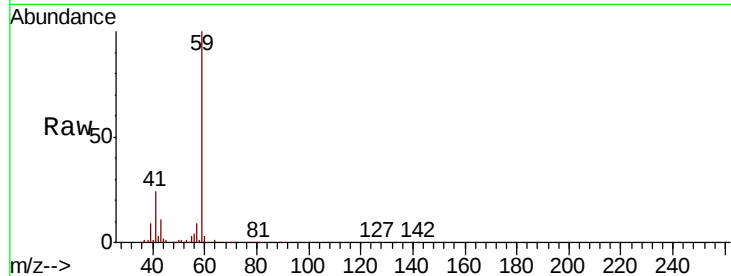
Tert butyl alcohol
Concen: 211.57 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

Manual Integrations
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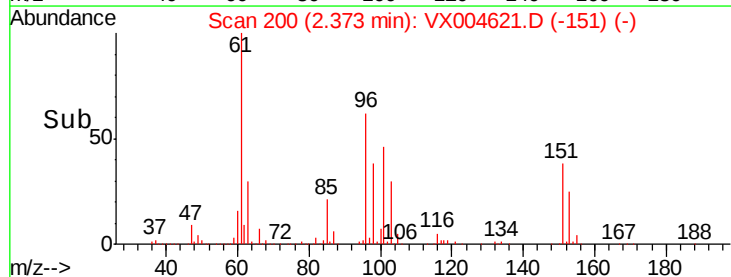
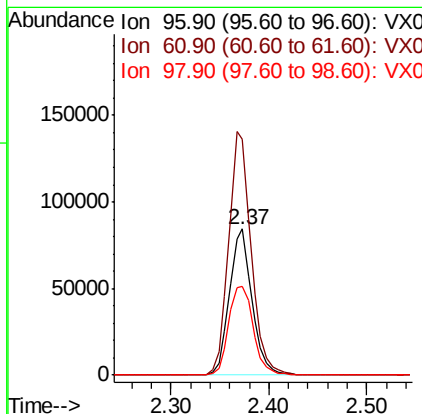
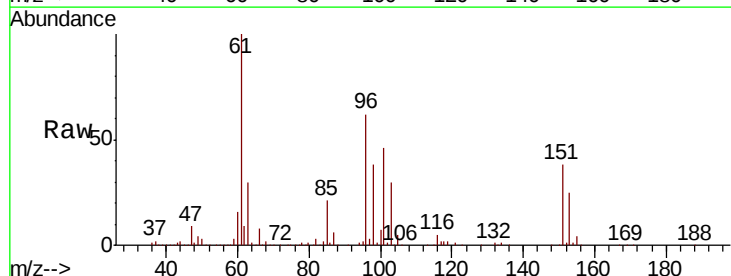
MMDadoda
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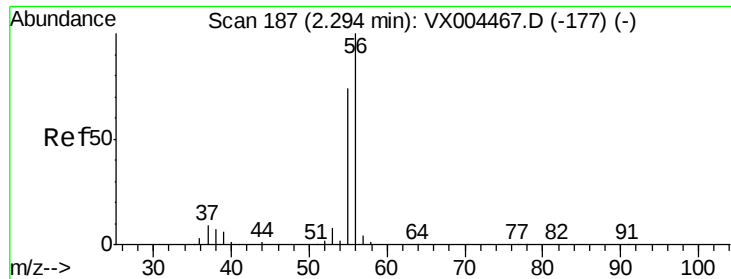


#12

1,1-Dichloroethene
Concen: 46.09 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	128.8	193.2
98	61.0	52.2	78.2





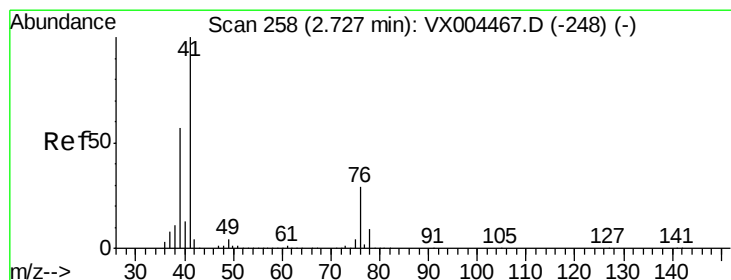
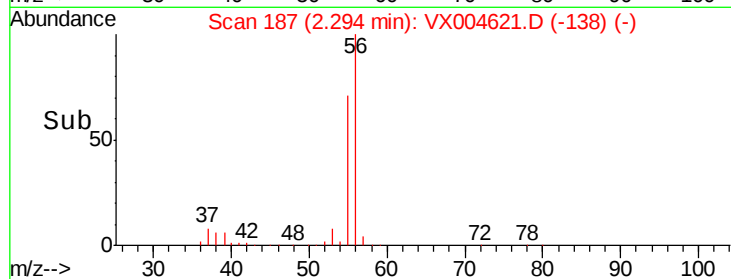
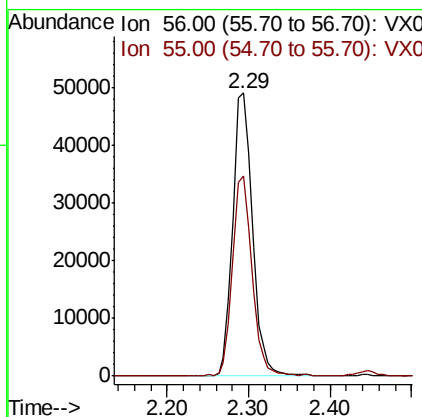
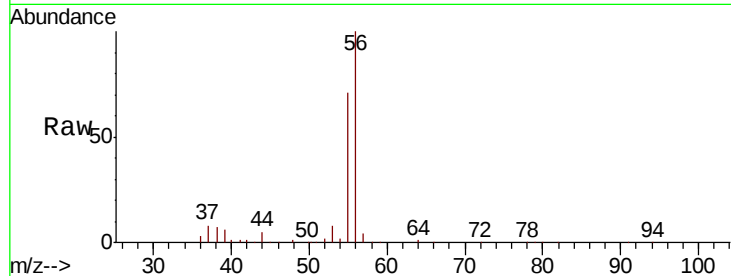
#13
Acrolein
Concen: 240.21 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	69.9	54.7	82.1	

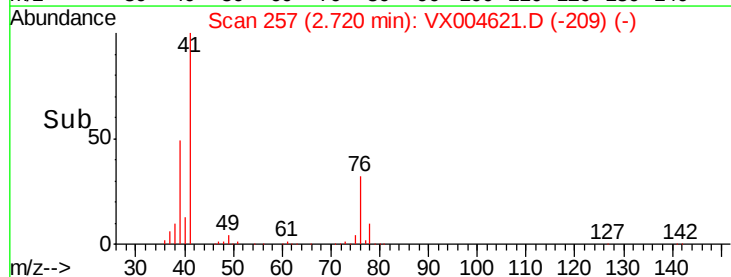
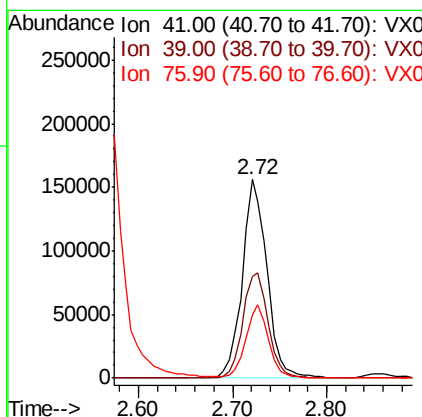
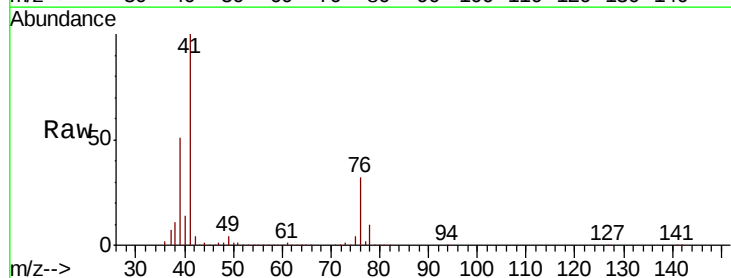
Manual Integrations
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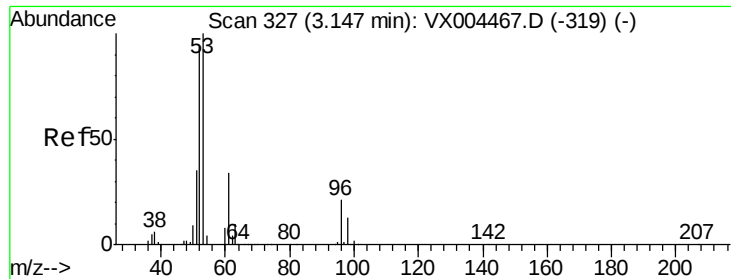
MMDadoda
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#14
Allyl chloride
Concen: 47.21 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	48.9	73.3	
76	34.1	26.7	40.1	





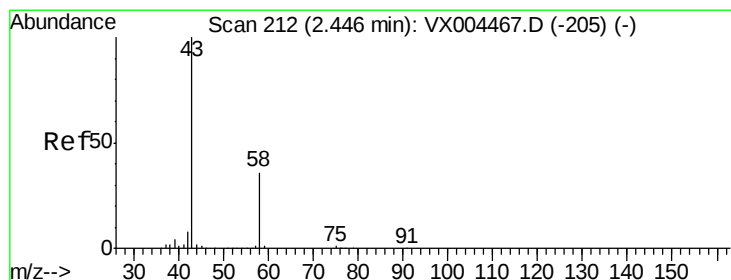
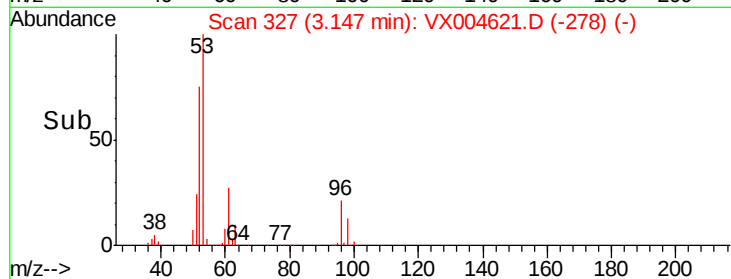
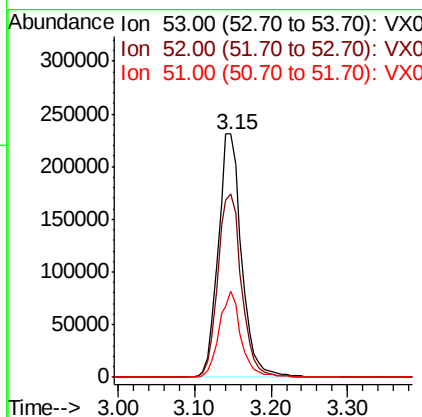
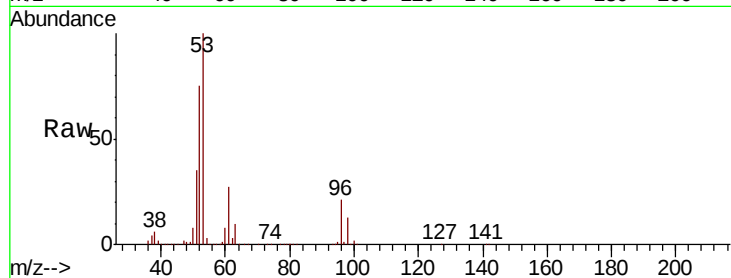
#15
 Acrylonitrile
 Concen: 234.22 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	76.6	65.2	97.8
51	33.2	28.2	42.2

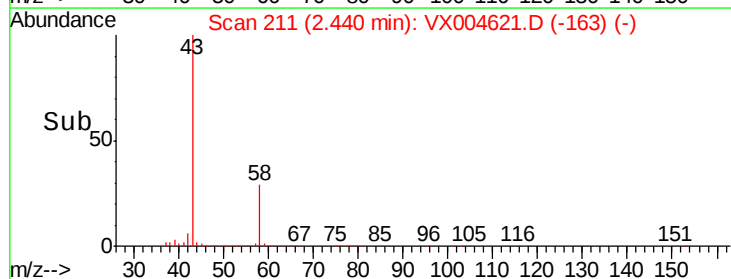
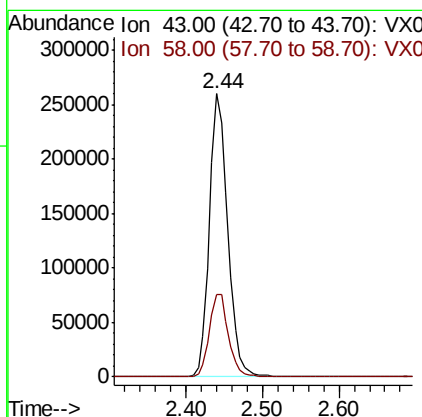
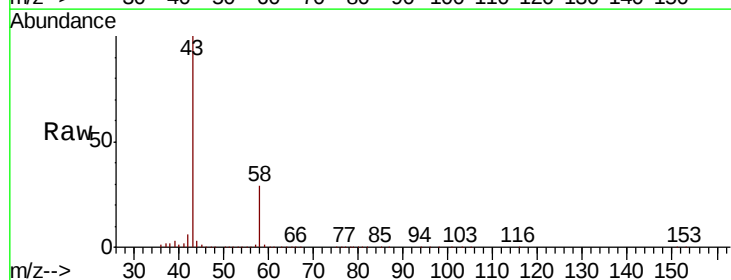
Manual Integrations
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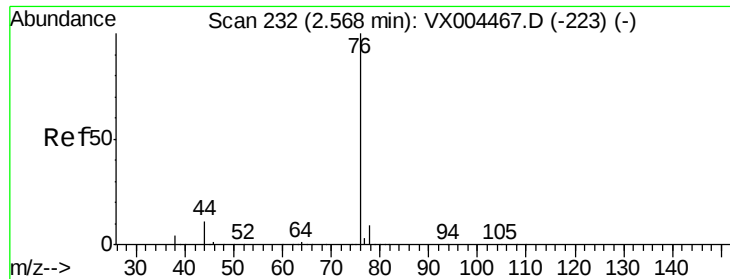
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#16
 Acetone
 Concen: 244.25 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.0	26.2	39.4





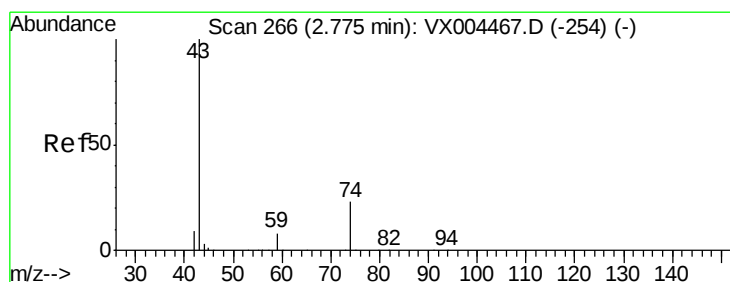
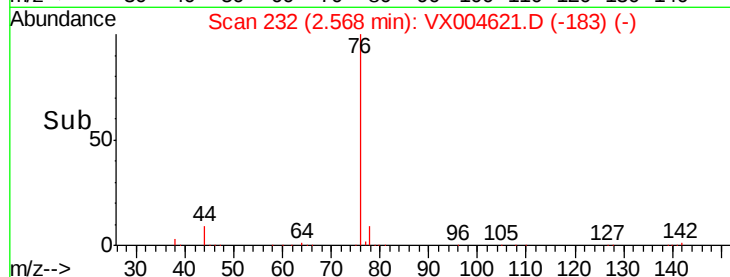
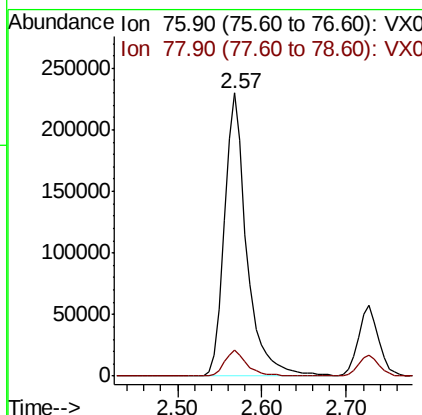
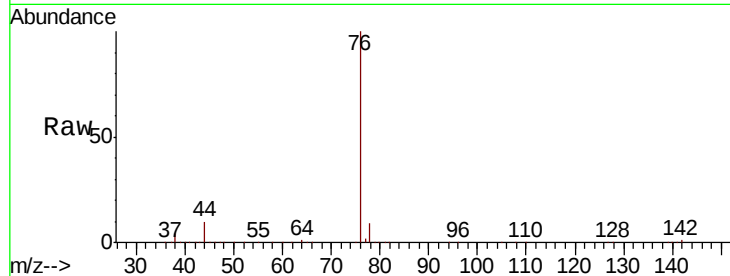
#17
Carbon Disulfide
Concen: 49.30 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

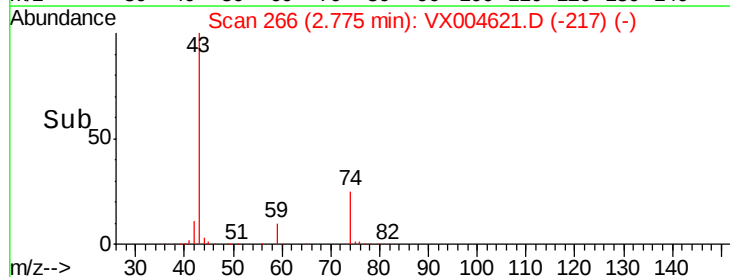
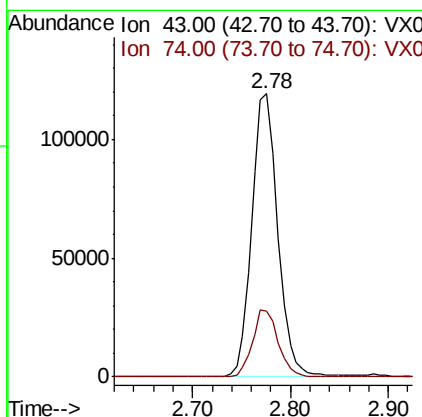
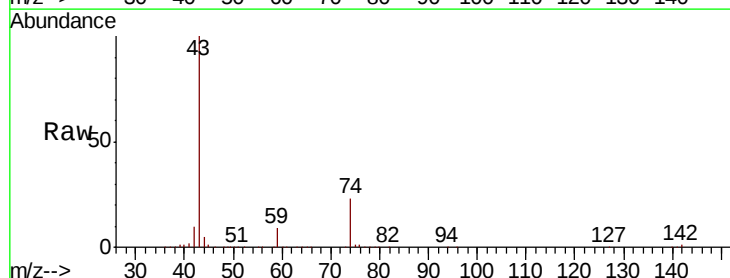
Manual Integrations
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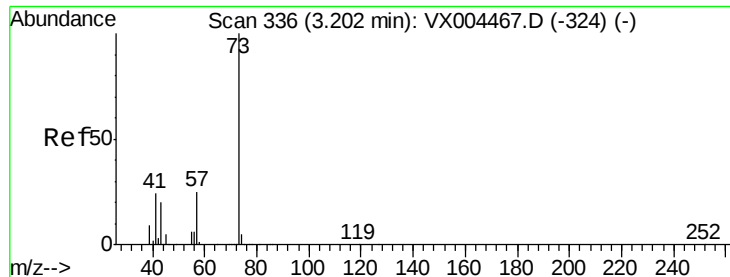
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#18
Methyl Acetate
Concen: 44.02 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.4	29.2





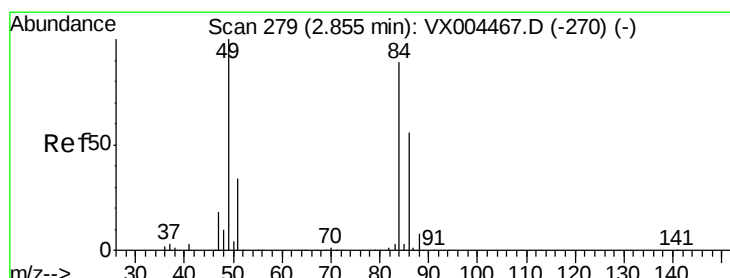
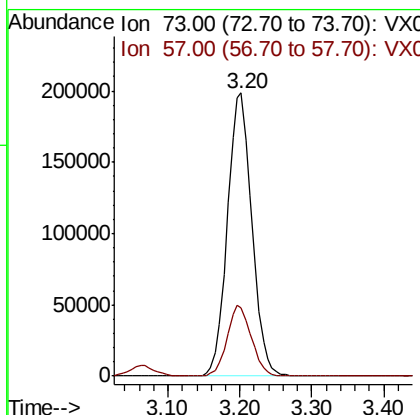
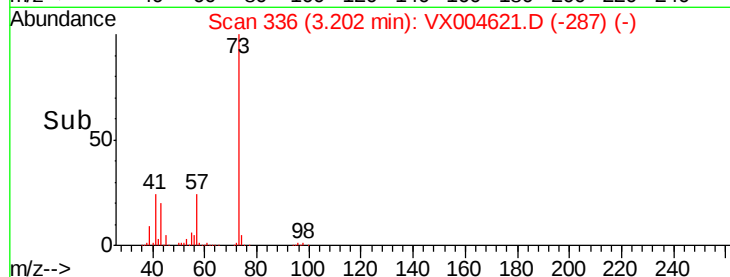
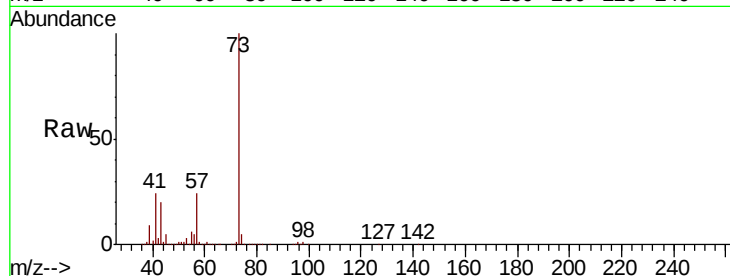
#19
Methvl tert-butvl Ether
Concen: 45.56 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	17.1	25.7

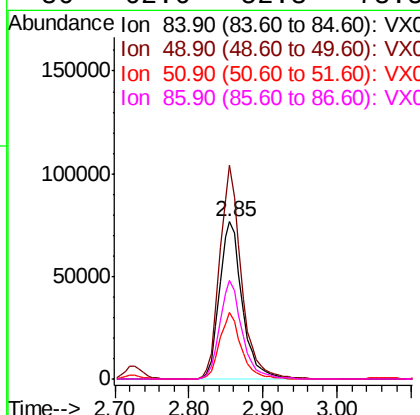
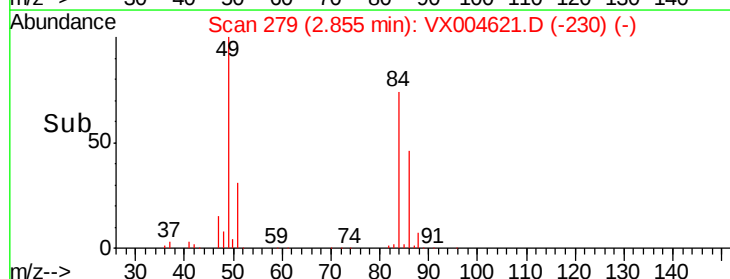
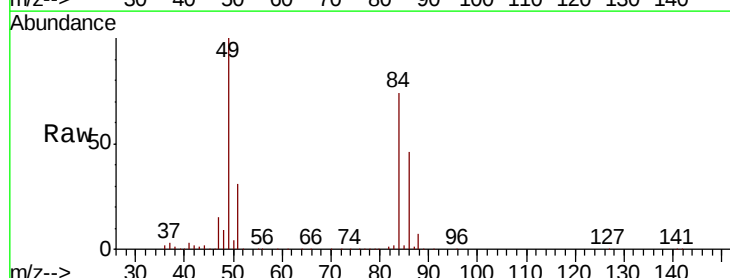
Manual Integrations
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#20
Methylene Chloride
Concen: 44.70 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.0	101.2	151.8
51	42.1	29.5	44.3
86	62.6	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 50.81 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

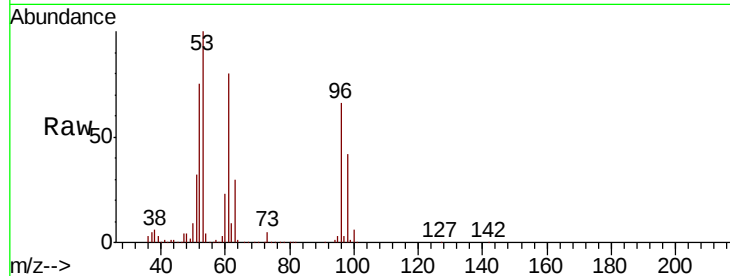
ClientSampleId :

VSTDCCC050

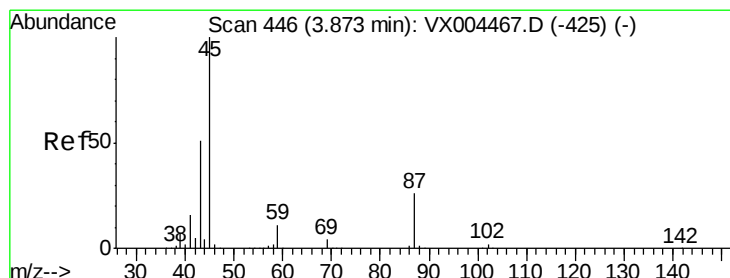
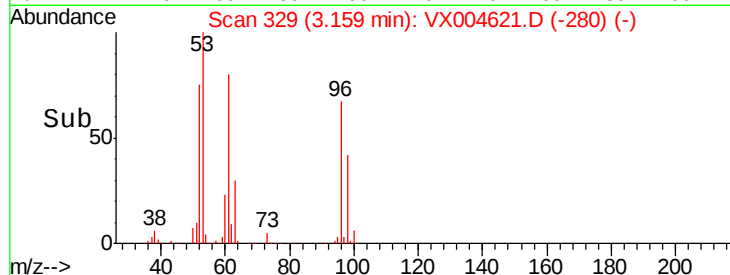
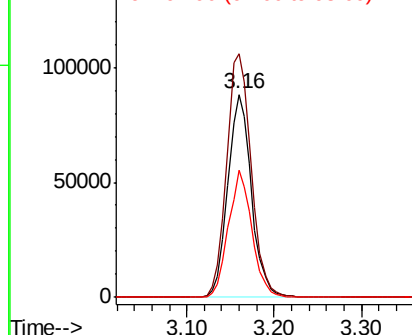
Tot Ion:	96	Resp:	164814
Ion	Ratio	Lower	Upper
96	100		
61	120.1	113.8	170.6
98	62.6	51.8	77.8

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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



#22

Diisopropyl ether

Concen: 49.12 ug/l

RT: 3.86 min Scan# 444

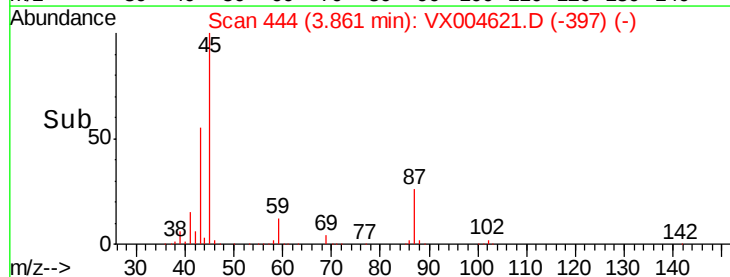
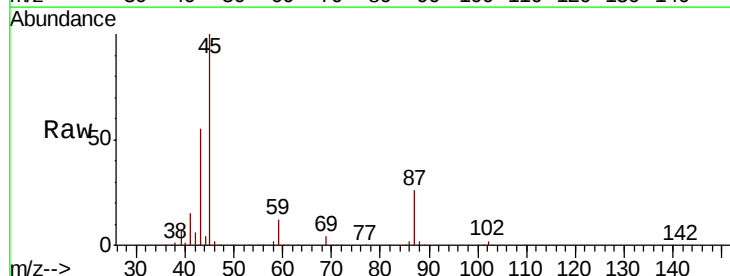
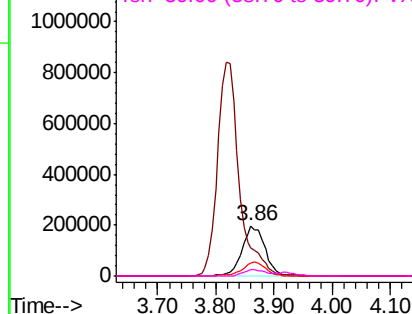
Delta R.T. -0.01 min

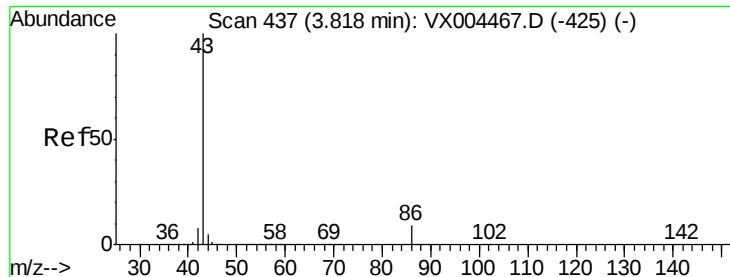
Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Tgt Ion:	45	Resp:	533900
Ion	Ratio	Lower	Upper
45	100		
43	55.1	42.8	64.2
87	25.7	22.6	34.0
59	11.9	9.6	14.4

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 248.11 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2182192

Ion Ratio Lower Upper

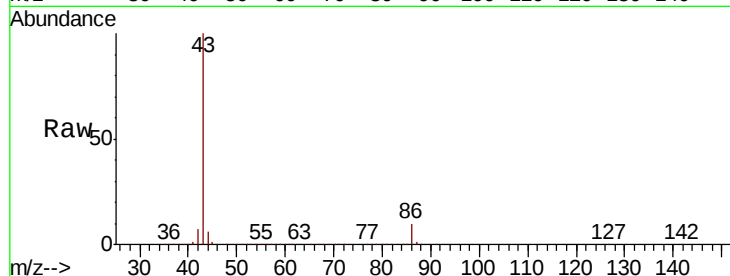
43 100

86 10.1 8.9 13.3

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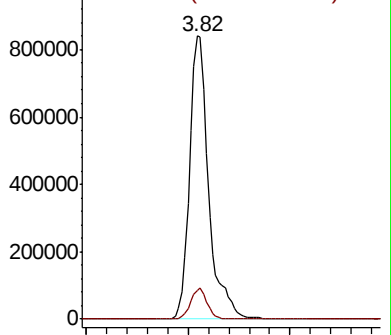
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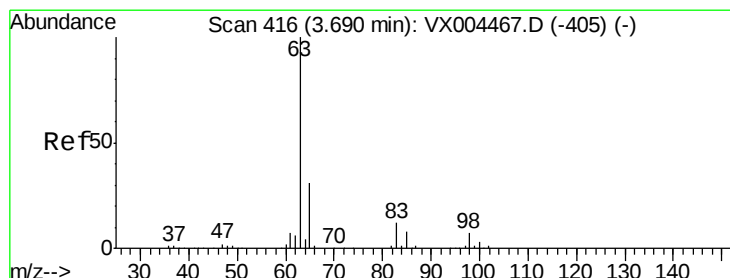
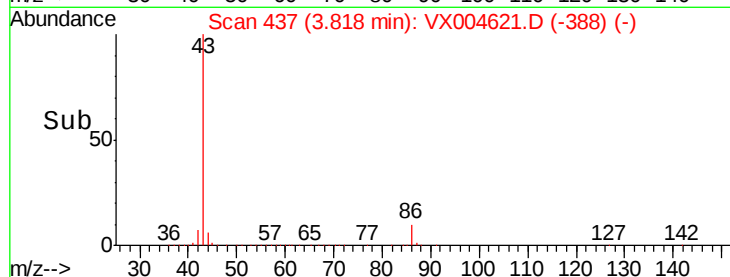


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 49.75 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

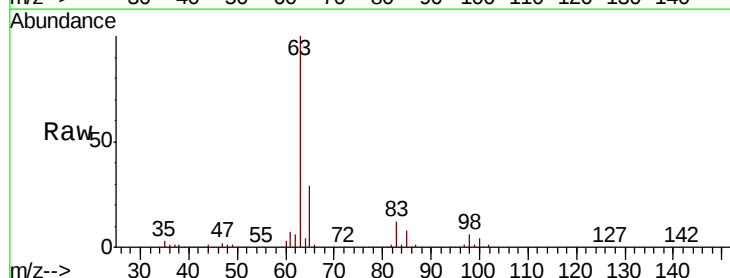
Tgt Ion: 63 Resp: 305244

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.4

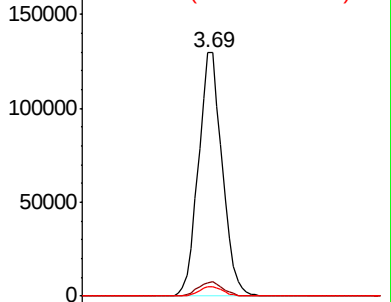
100 3.9 2.4 7.1



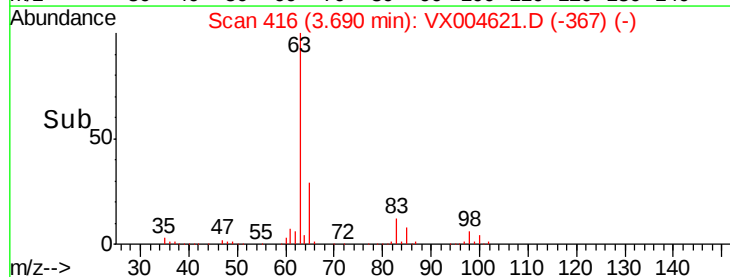
Abundance Ion 62.90 (62.60 to 63.60): VX0

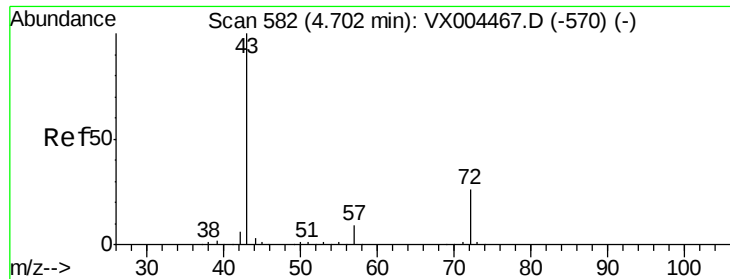
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 208.35 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 586223

Ion Ratio Lower Upper

43 100

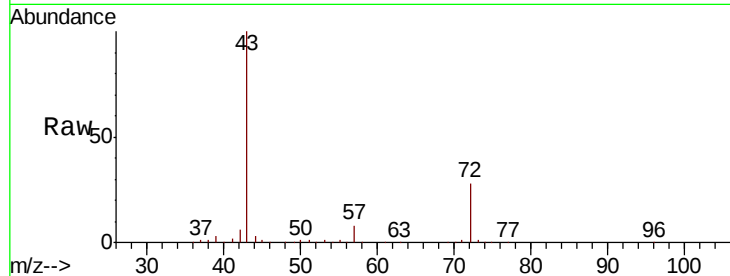
72 28.1 22.0 33.0

Manual Integrations

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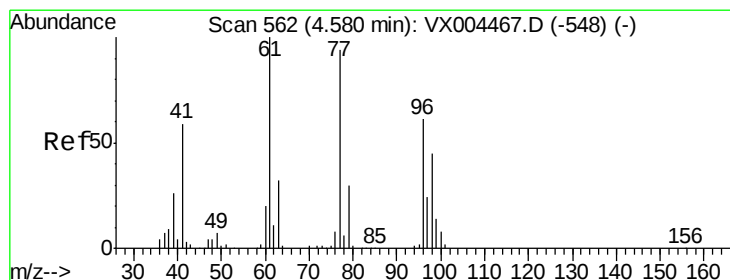
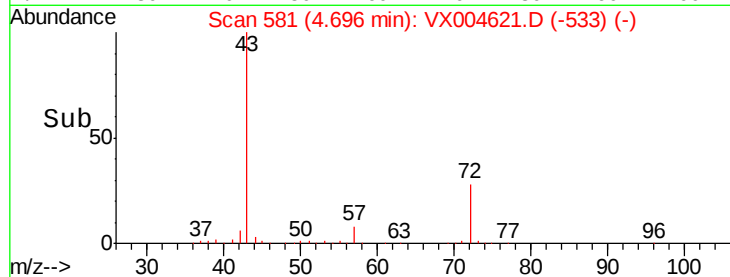
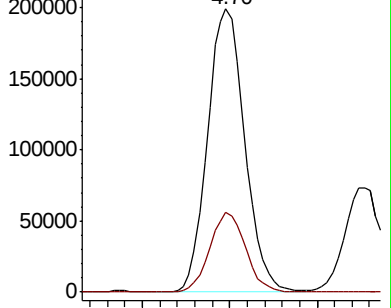
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 54.92 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004621.D

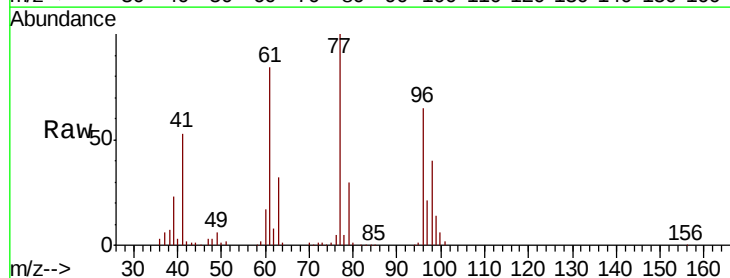
Acq: 17 Sep 2018 15:47

Tgt Ion: 77 Resp: 231470

Ion Ratio Lower Upper

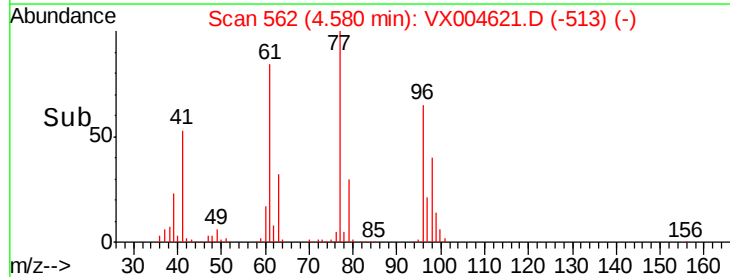
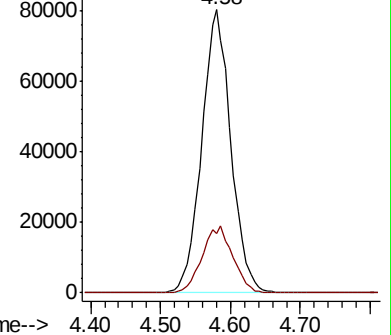
77 100

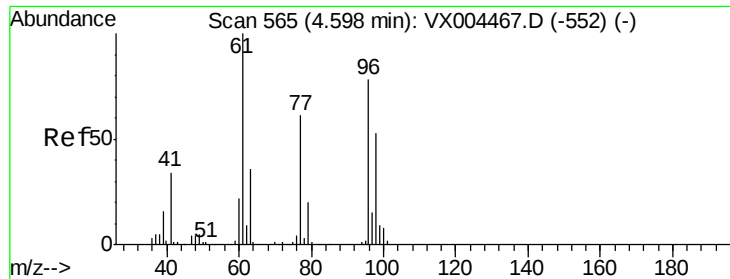
97 24.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

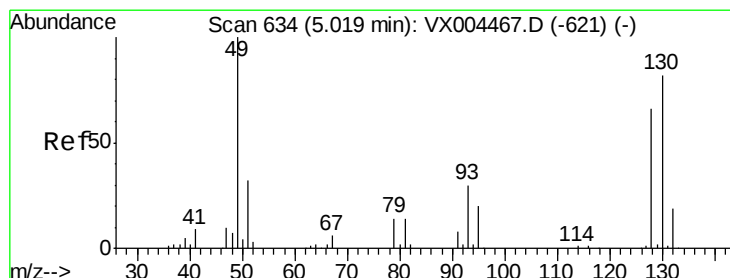
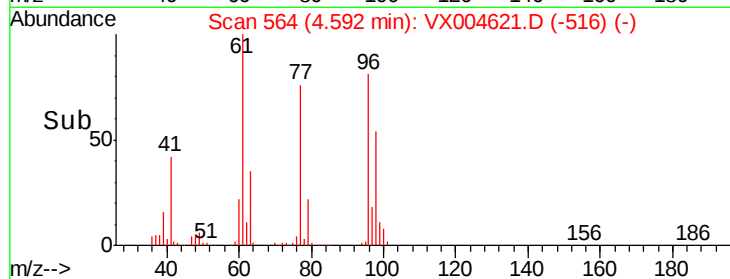
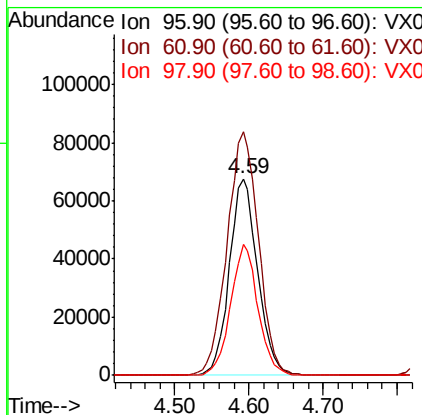
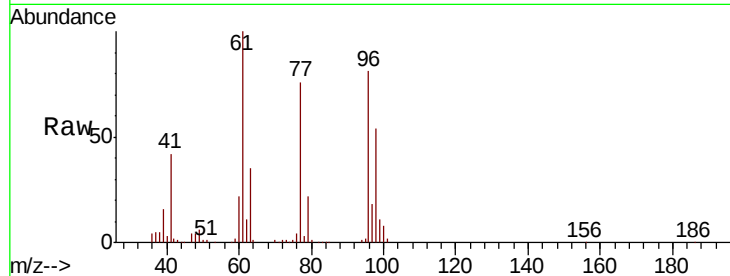
cis-1,2-Dichloroethene
 Concen: 49.61 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	179626		
61	137.7	0.0	282.6	
98	64.5	0.0	130.2	

Manual Integrations
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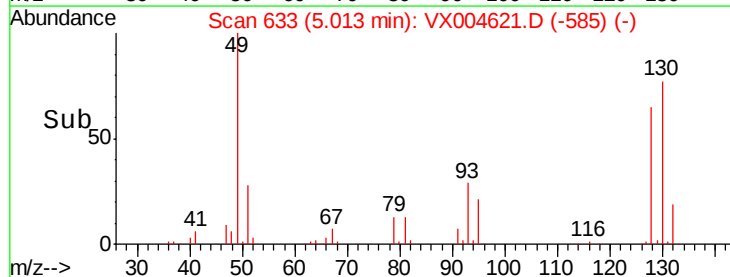
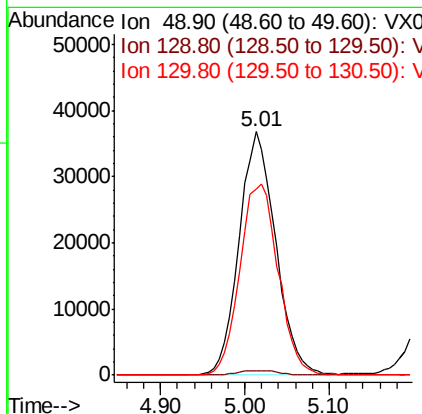
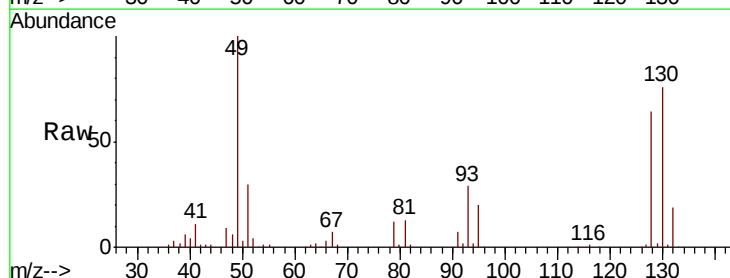
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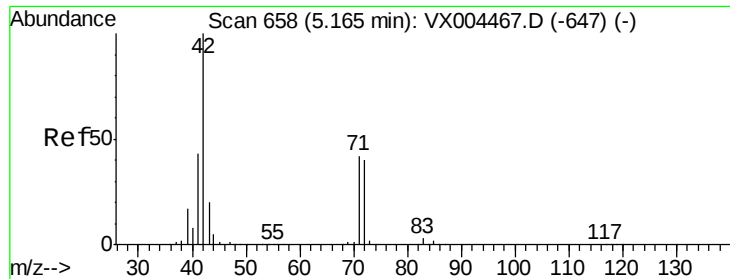


#28

Bromochloromethane
 Concen: 38.53 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	108136		
129	2.0	0.0	4.2	
130	82.5	67.5	101.3	





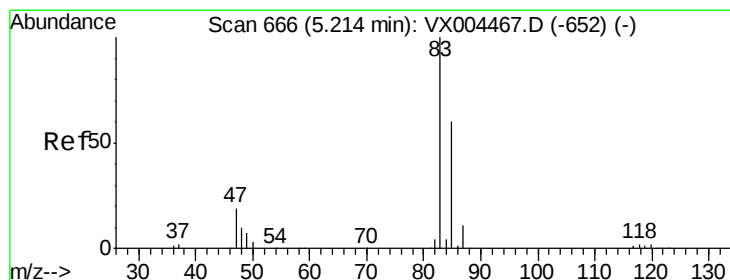
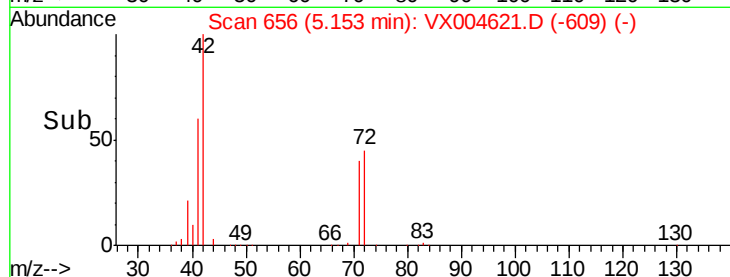
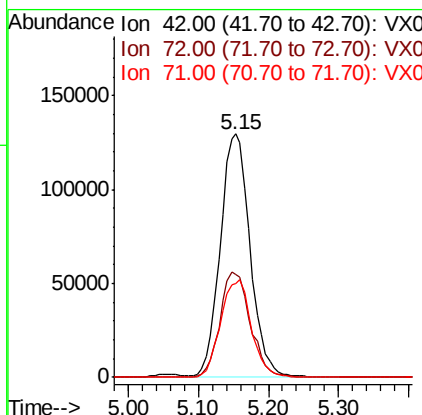
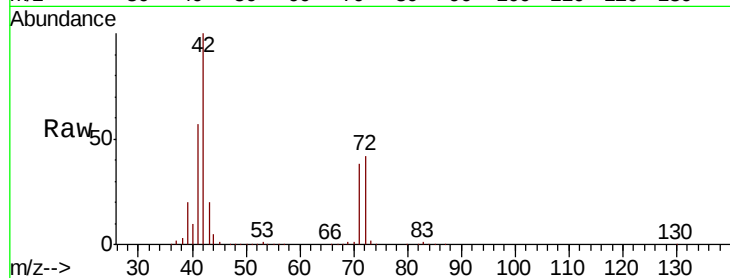
#29
Tetrahydrofuran
Concen: 225.22 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	382141
Ion Ratio	Lower	Upper	
42	100		
72	44.2	37.4	56.0
71	41.4	34.5	51.7

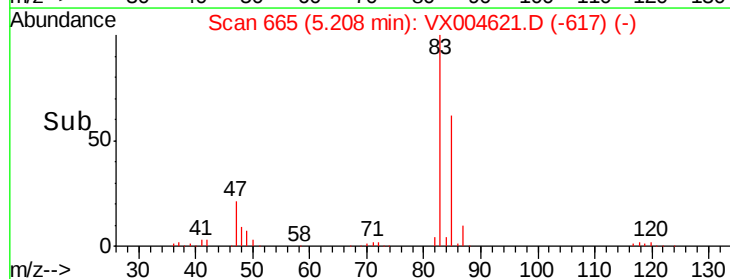
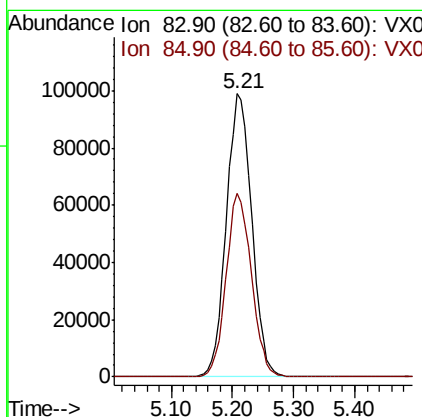
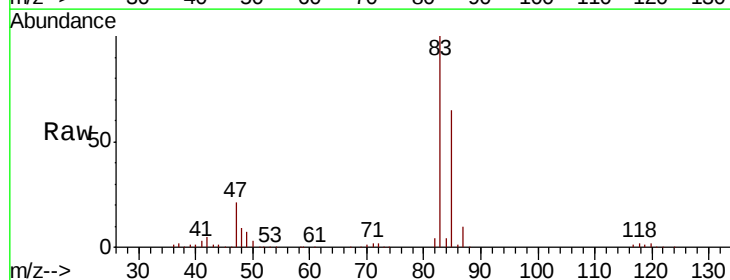
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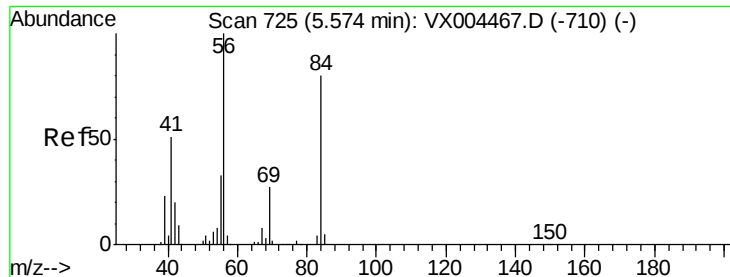
MMDadoda
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#30
Chloroform
Concen: 47.19 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion:	83	Resp:	282693
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.6	79.0





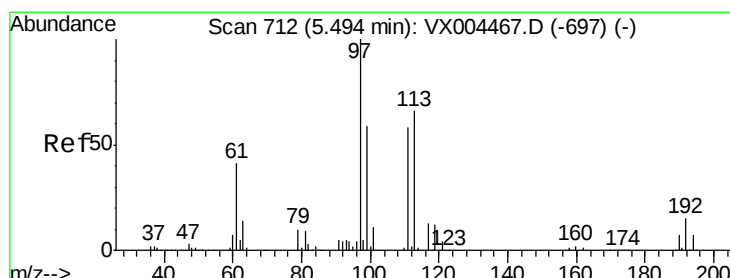
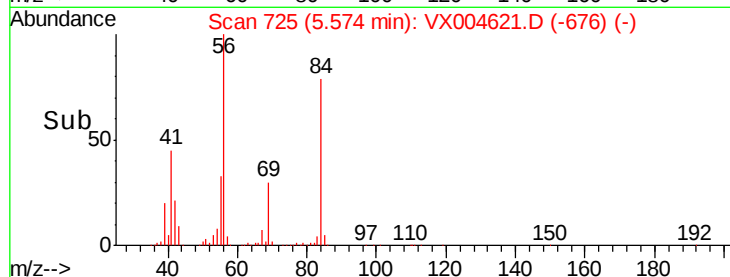
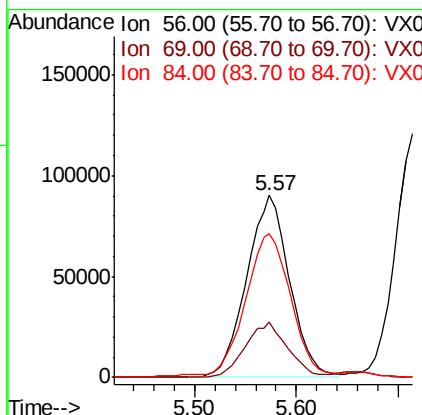
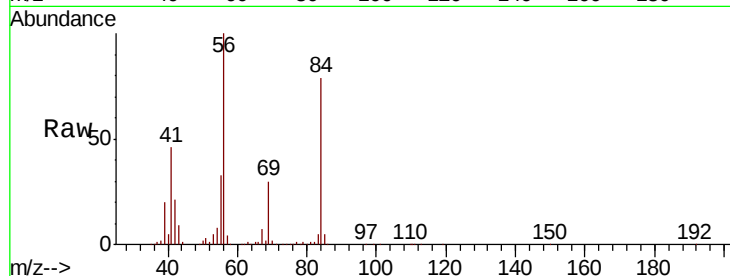
#31
Cyclohexane
Concen: 50.28 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.4	38.2
84	77.4	71.4	107.2

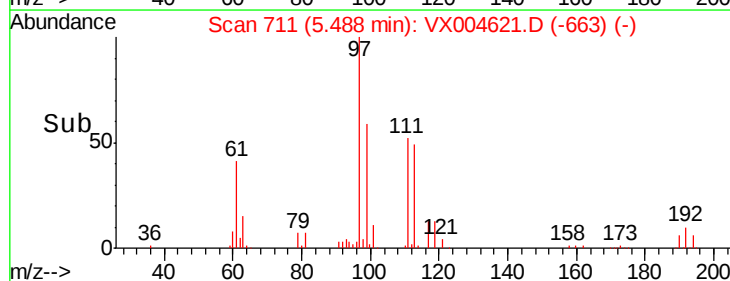
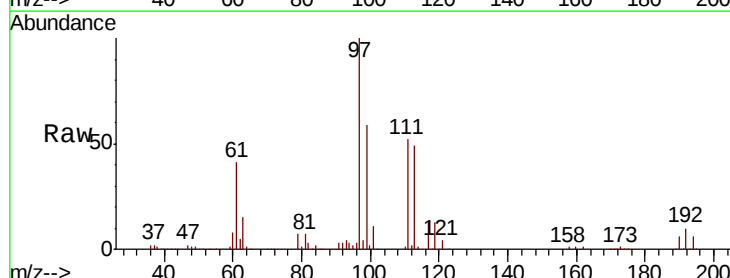
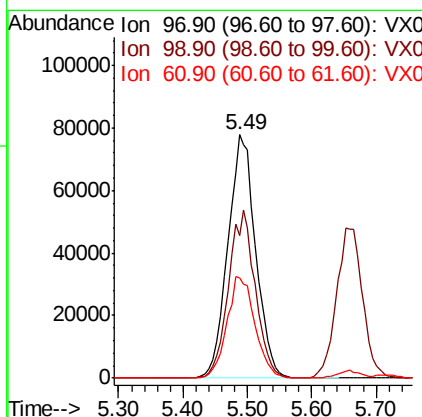
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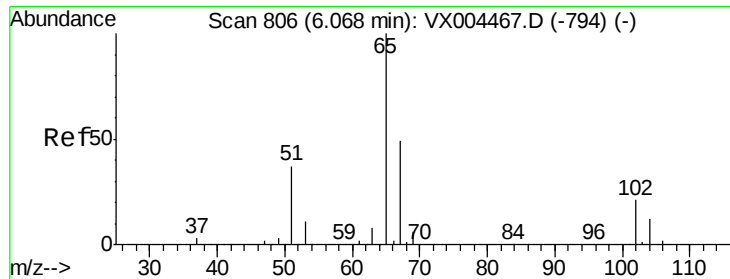
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#32
1,1,1-Trichloroethane
Concen: 48.60 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.5	52.0	78.0
61	42.1	34.9	52.3





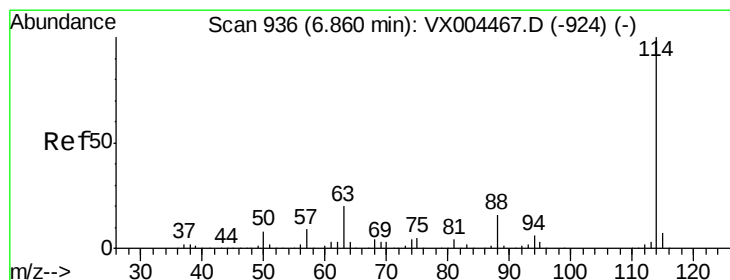
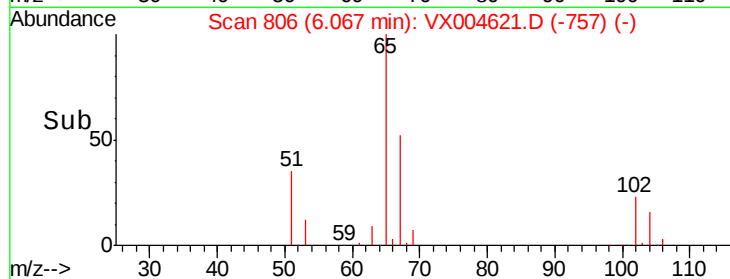
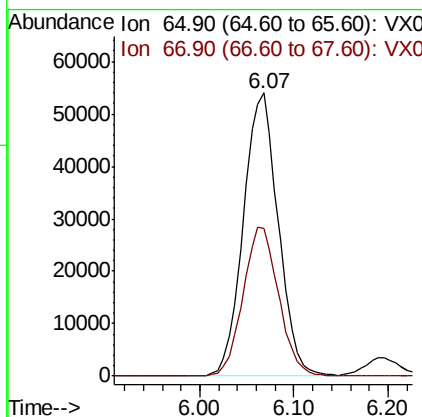
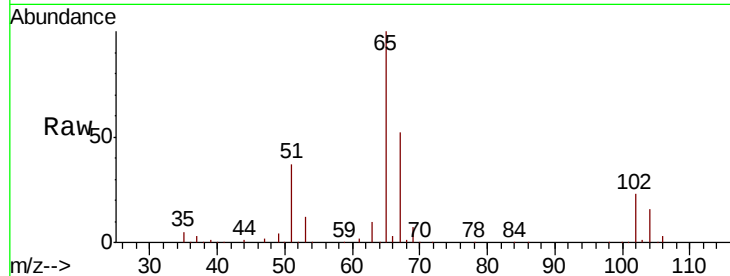
#33
 1,2-Dichloroethane-d4
 Concen: 38.70 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140178		
67	53.8	0.0	106.8	

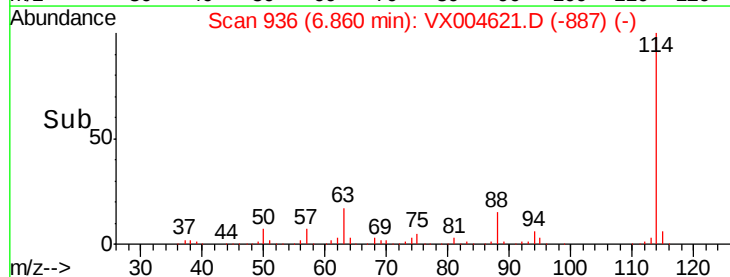
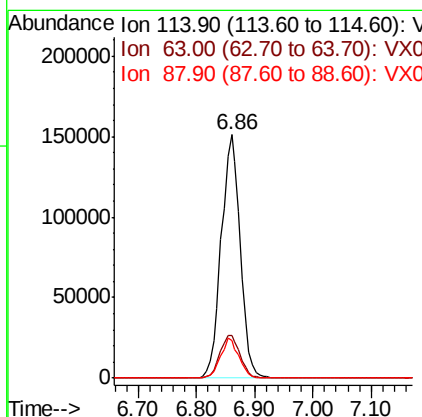
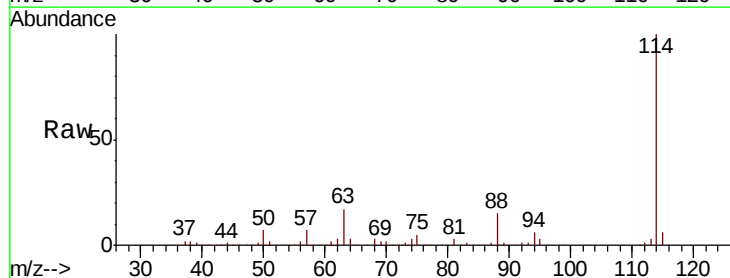
Manual Integrations
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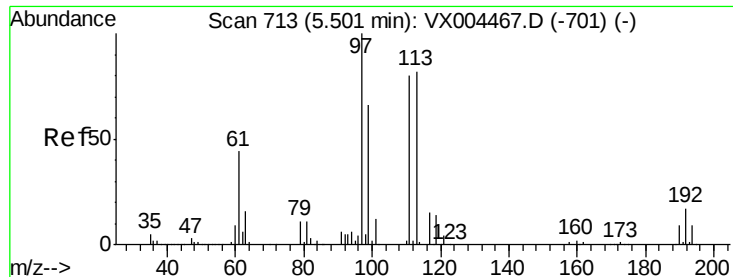
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	341126		
63	17.3	0.0	39.0	
88	15.2	0.0	30.4	





#35

Dibromofluoromethane

Concen: 40.80 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

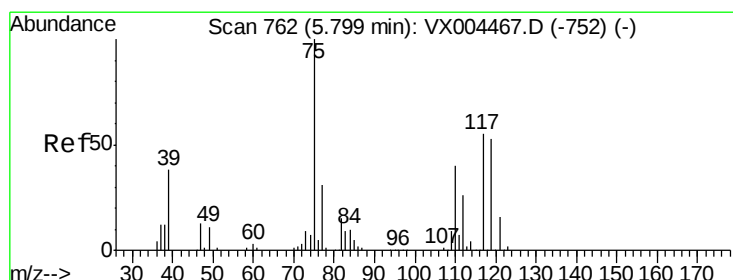
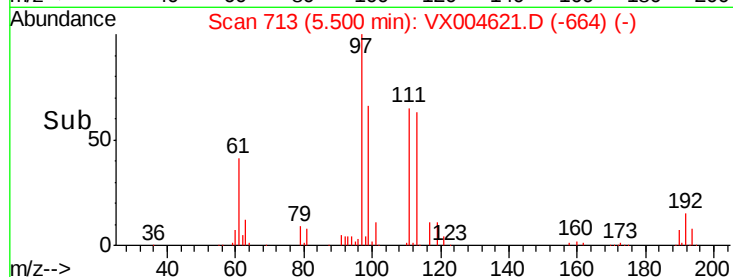
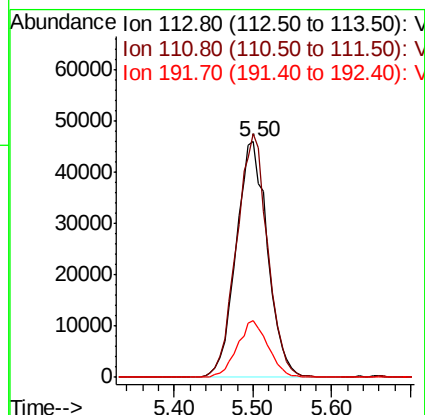
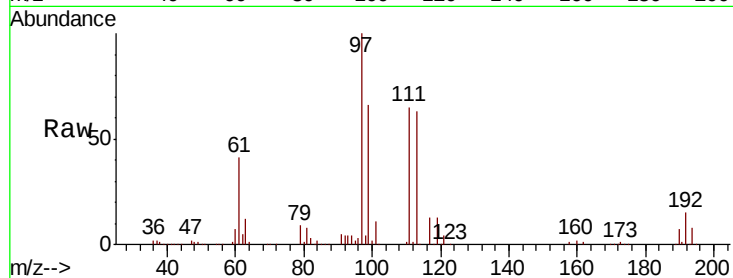
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	127375
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.4	123.6
192	23.5	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.22 ug/l

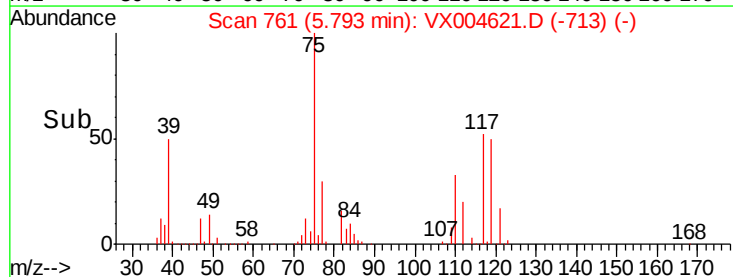
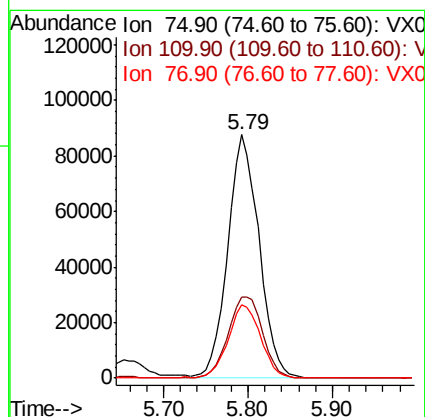
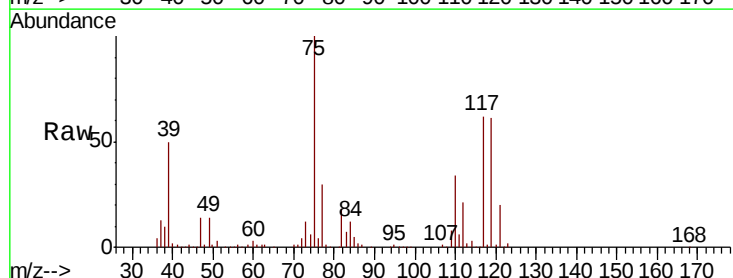
RT: 5.79 min Scan# 761

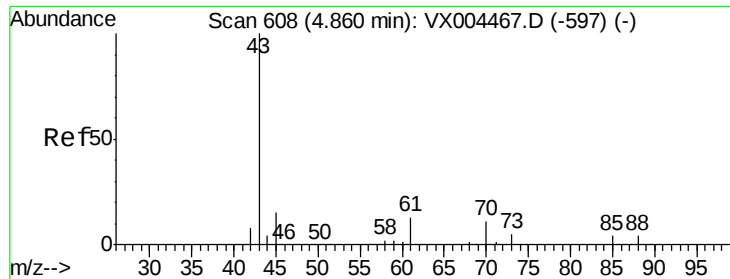
Delta R.T. -0.01 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Tgt Ion:	75	Resp:	220397
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.0	54.0
77	31.8	24.6	36.8





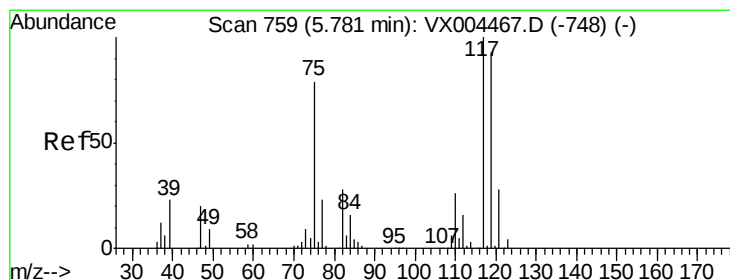
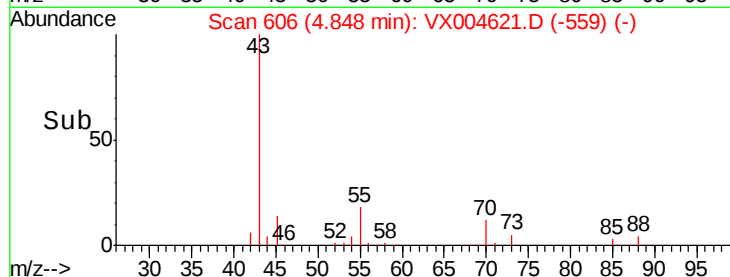
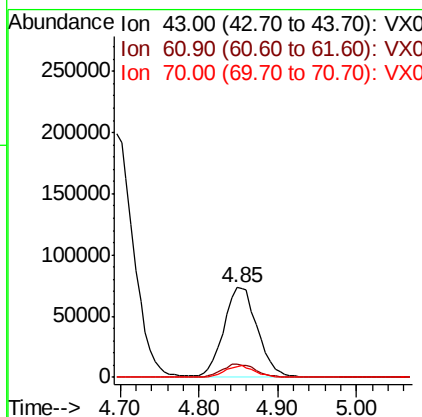
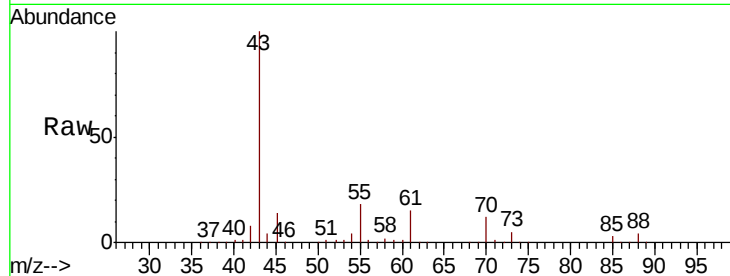
#37
Ethyl Acetate
Concen: 46.31 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	218116
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.6	9.0	13.6

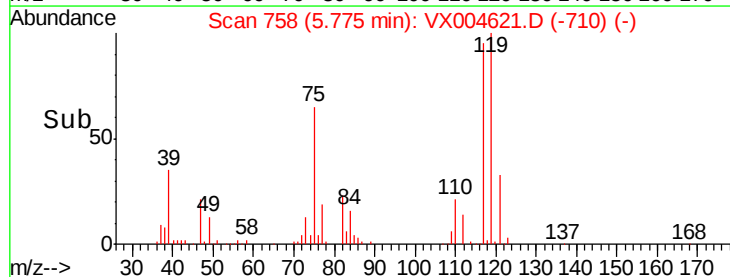
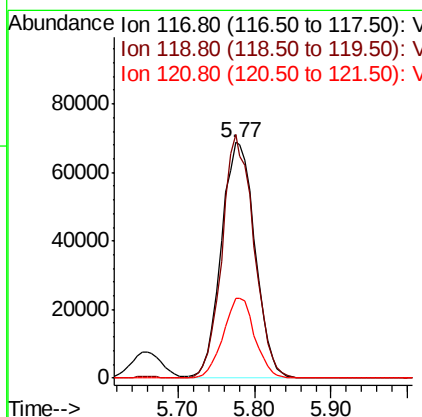
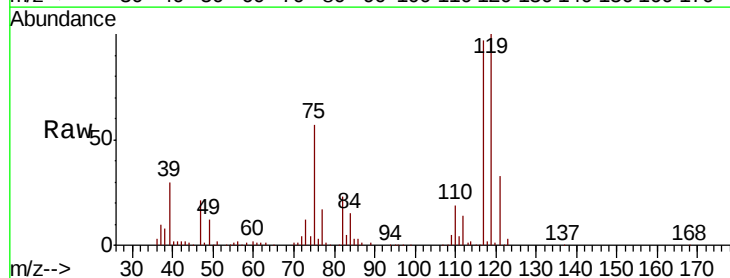
Manual Integrations
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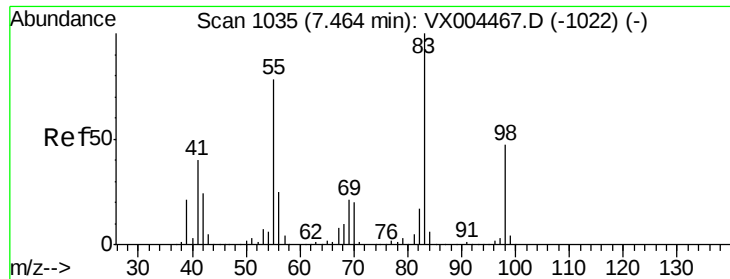
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#38
Carbon Tetrachloride
Concen: 51.75 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion:	117	Resp:	209349
Ion	Ratio	Lower	Upper
117	100		
119	103.2	78.8	118.2
121	33.7	24.9	37.3





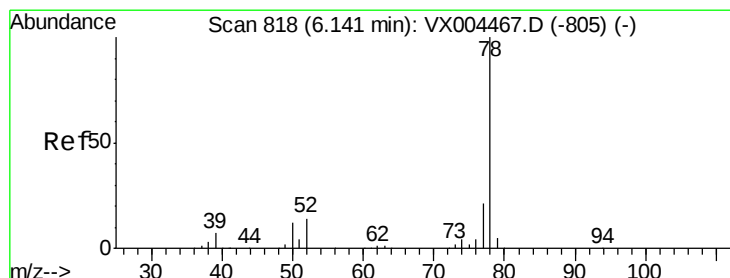
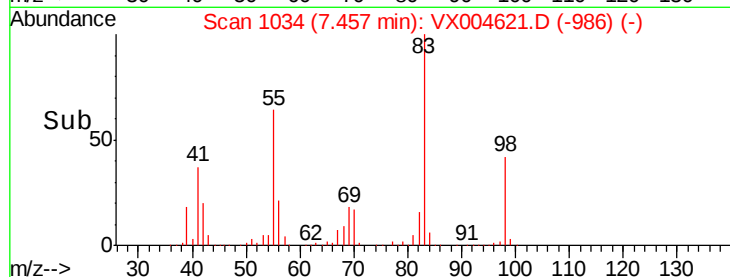
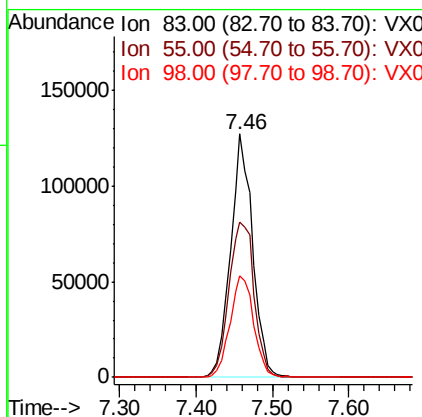
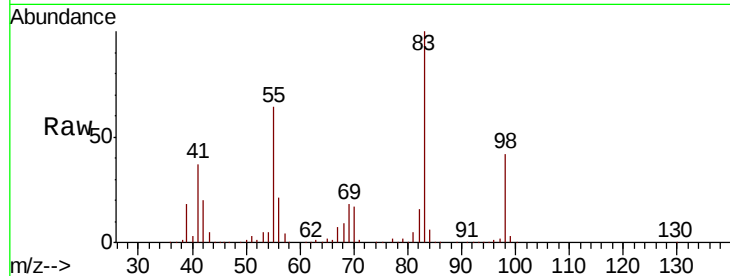
#39
Methvlcvclohexane
Concen: 58.71 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	253721		
55	63.7		61.0	91.4
98	41.6		39.6	59.4

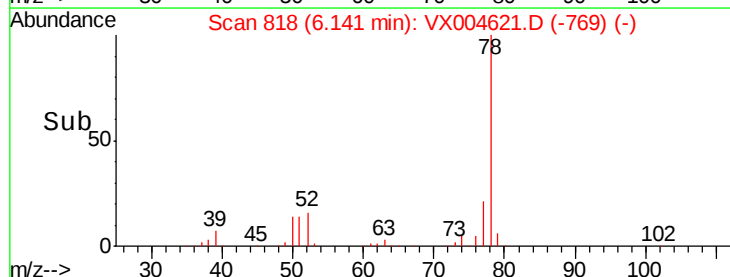
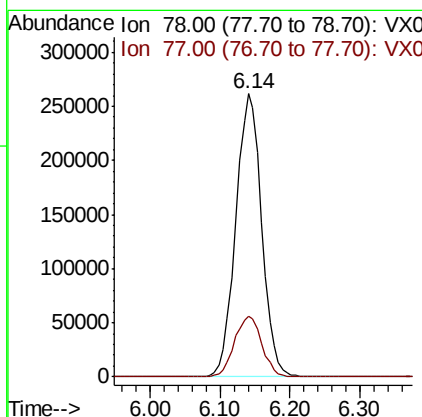
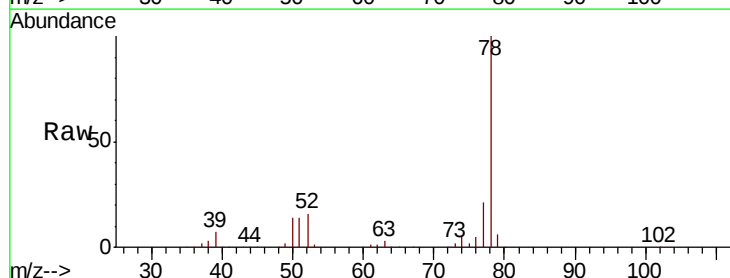
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#40
Benzene
Concen: 54.61 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	671032		
77	21.4		19.0	28.4





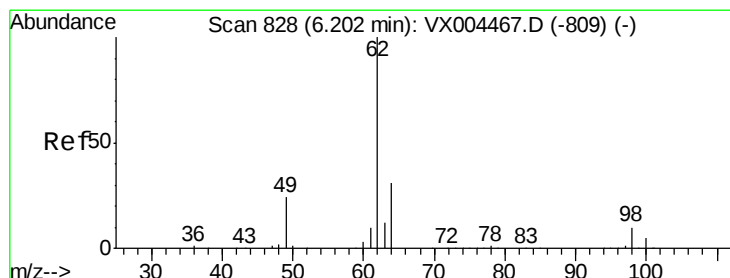
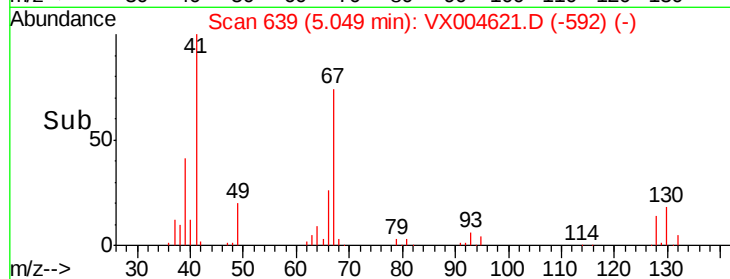
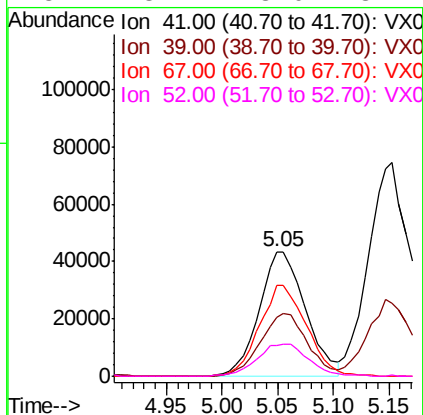
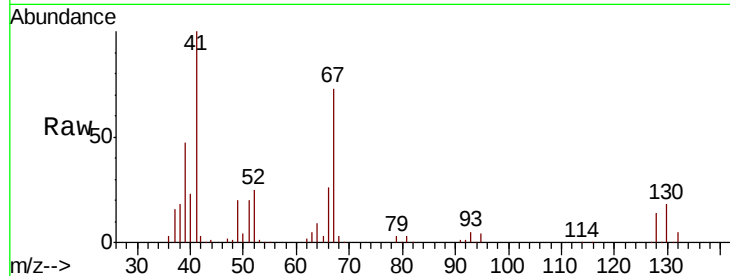
#41
Methacrylonitrile
Concen: 48.31 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.3	42.4	63.6	
67	74.4	59.2	88.8	
52	28.2	23.0	34.4	

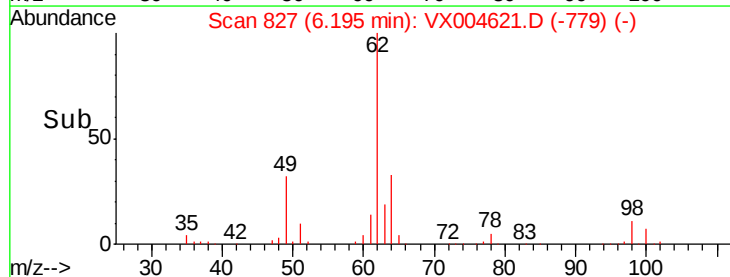
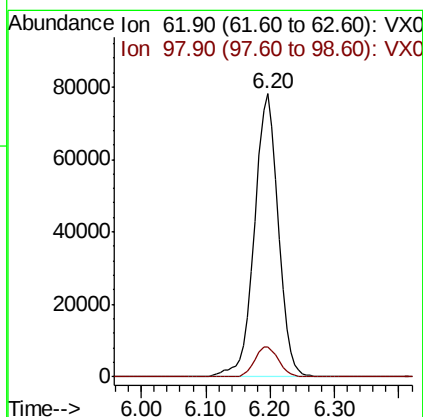
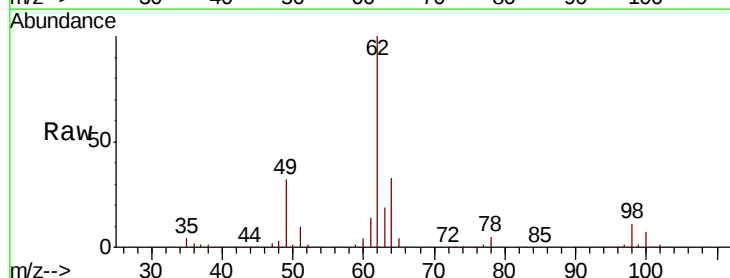
Manual Integrations
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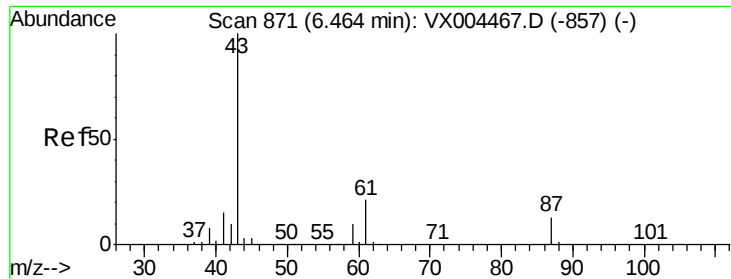
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.59 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.6	





#43

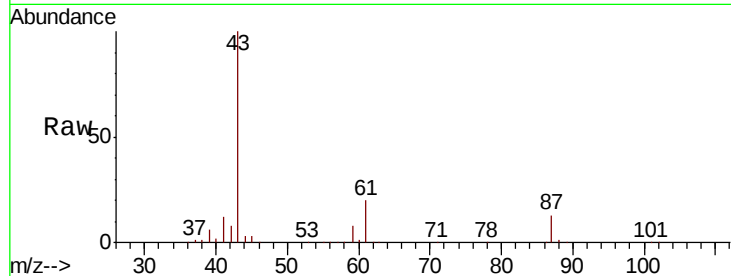
Isopropyl Acetate
 Concen: 55.58 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

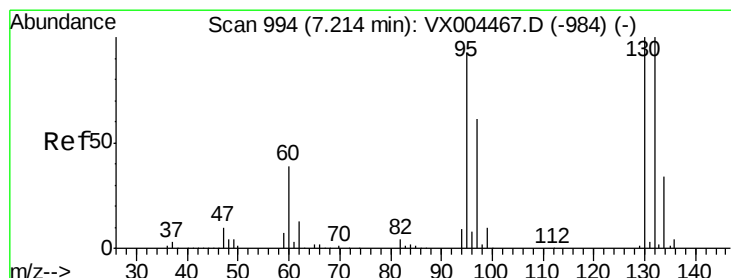
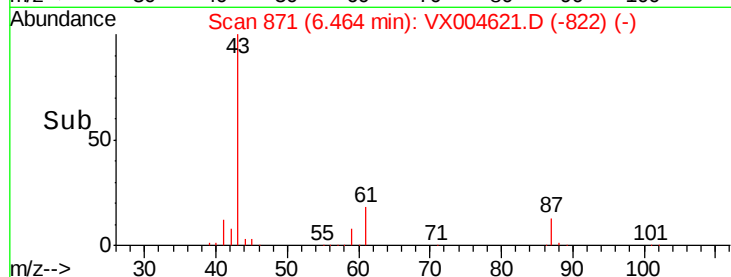
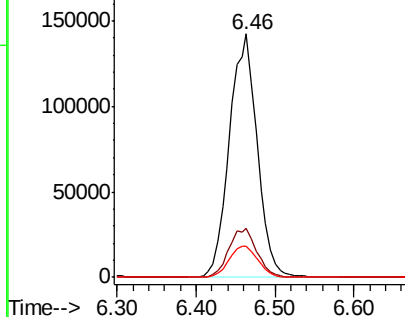
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	17.0	25.4
87	13.4	11.4	17.2

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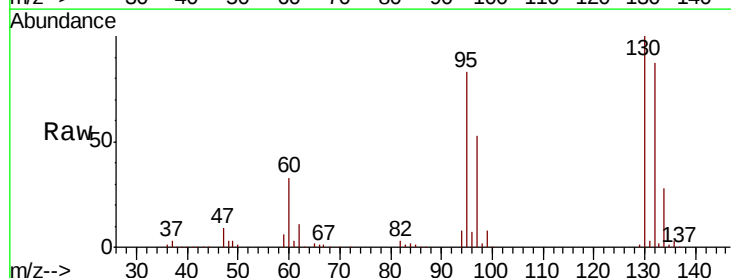
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



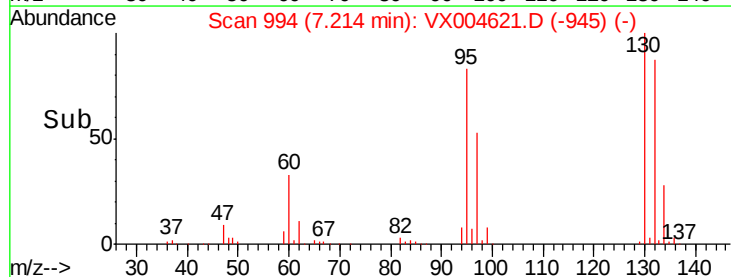
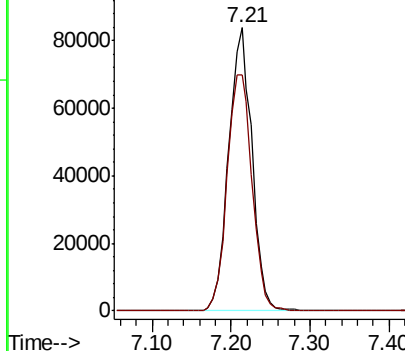
#44

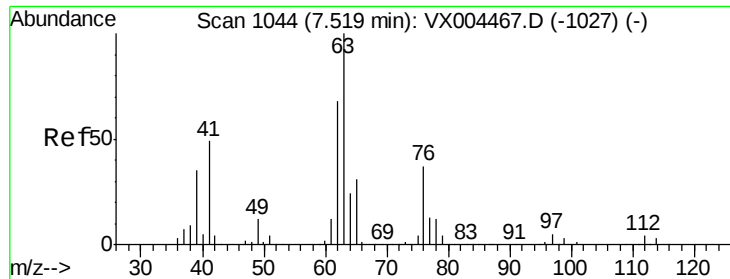
Trichloroethene
 Concen: 54.07 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.4	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





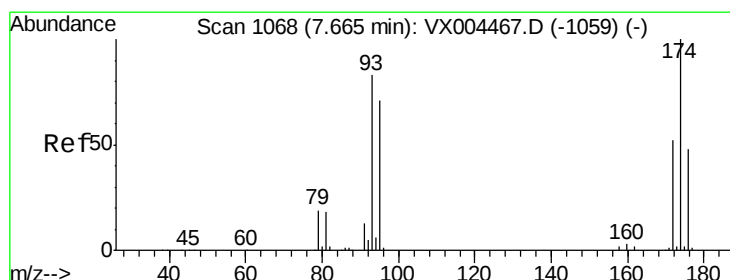
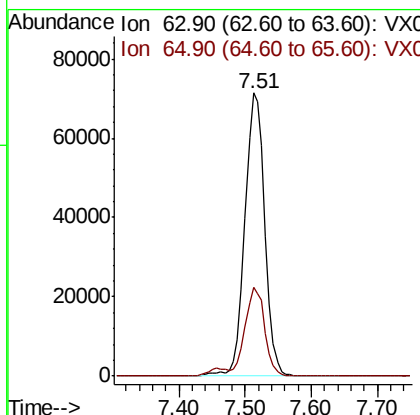
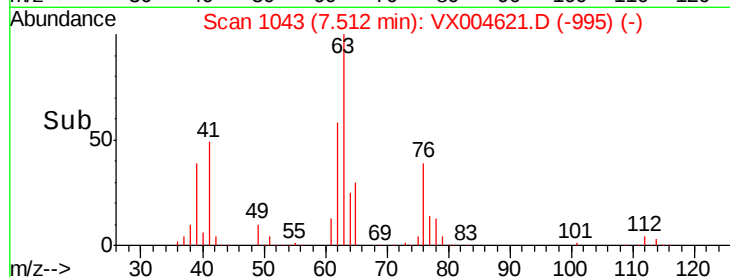
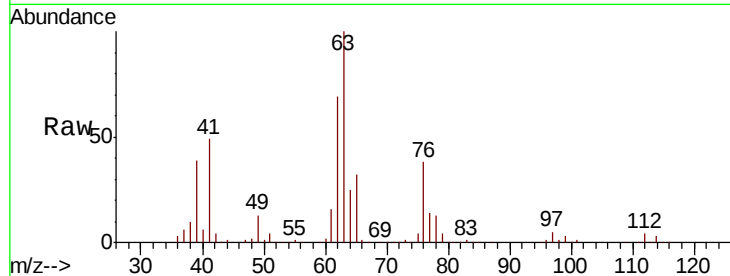
#45
 1,2-Dichloropropane
 Concen: 50.50 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 149314
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.3 36.5

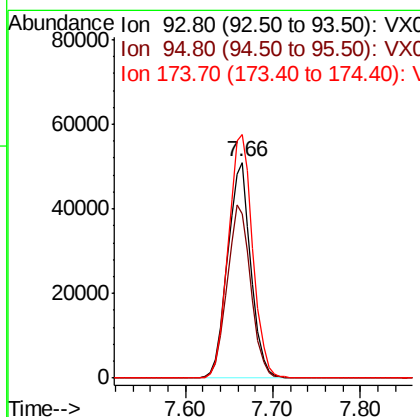
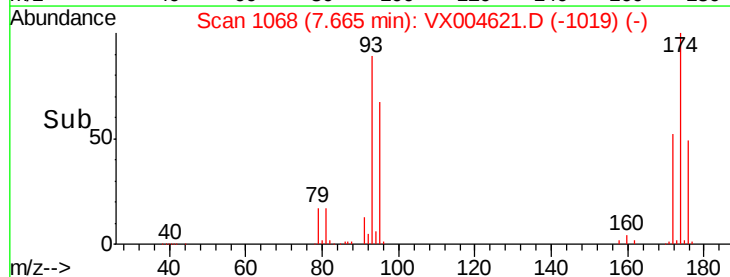
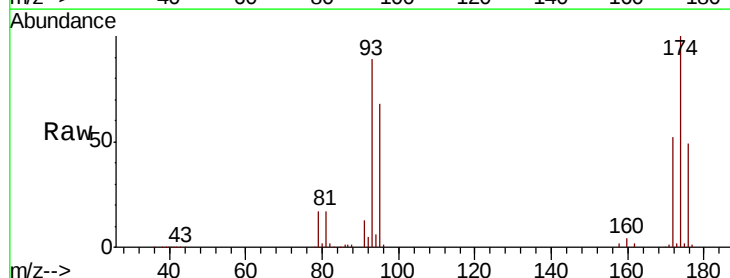
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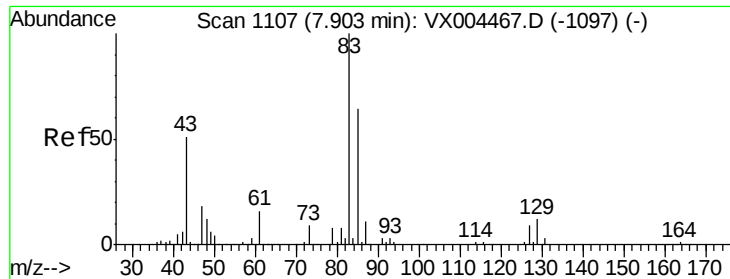
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 9/18/2018 4:03:00 PM



#46
 Dibromomethane
 Concen: 50.41 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Tgt Ion: 93 Resp: 94158
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.5 98.3
 174 118.8 94.2 141.4





#47

Bromodichloromethane

Concen: 51.74 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

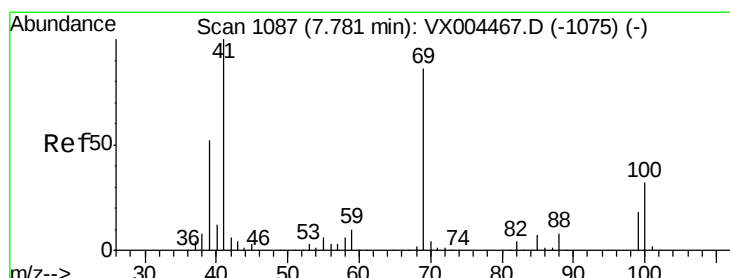
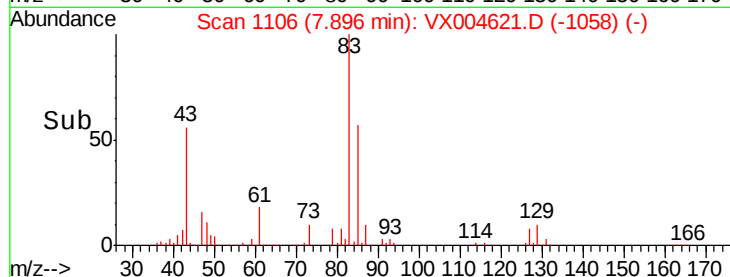
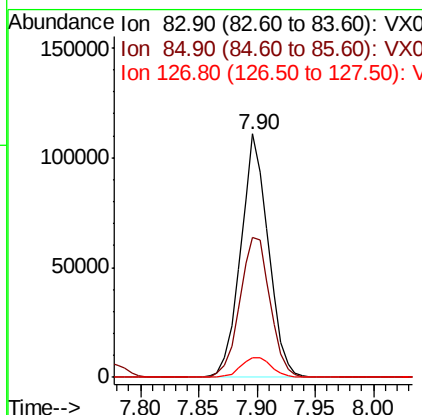
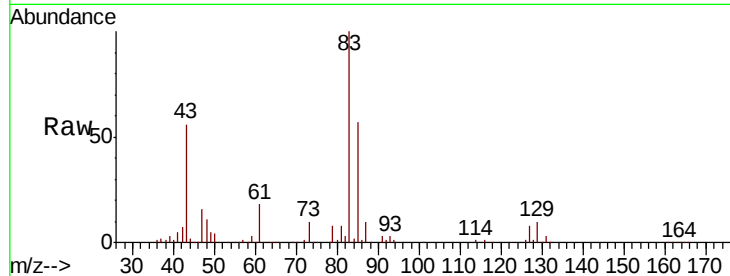
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	182766
Ion Ratio	Lower	Upper	
83	100		
85	57.3	50.9	76.3
127	8.3	7.3	10.9

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#48

Methyl methacrylate

Concen: 49.05 ug/l

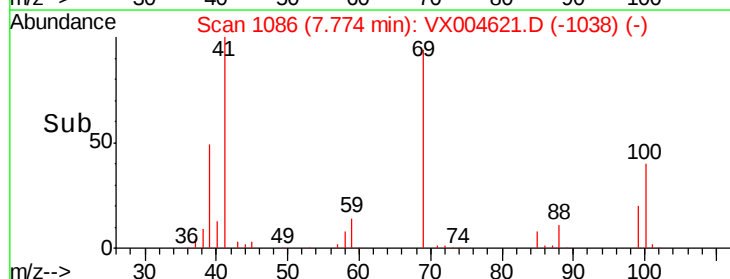
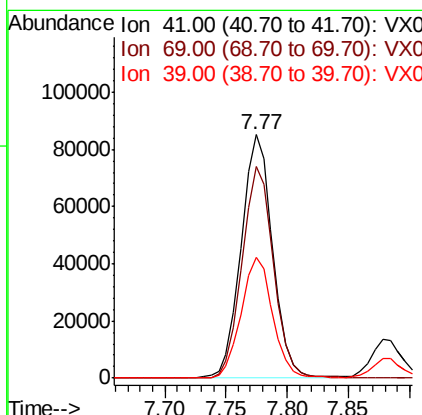
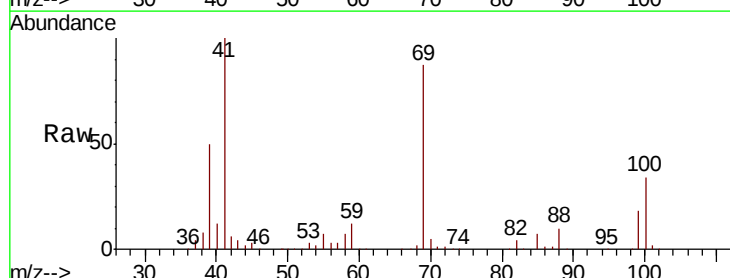
RT: 7.77 min Scan# 1086

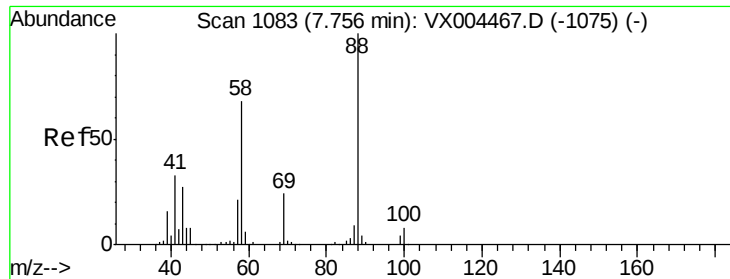
Delta R.T. -0.01 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Tgt Ion:	41	Resp:	151881
Ion Ratio	Lower	Upper	
41	100		
69	87.7	70.2	105.4
39	50.1	42.7	64.1





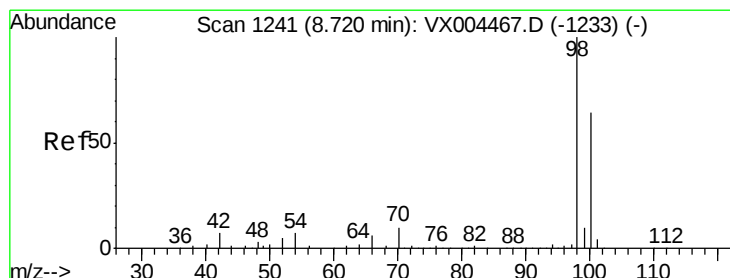
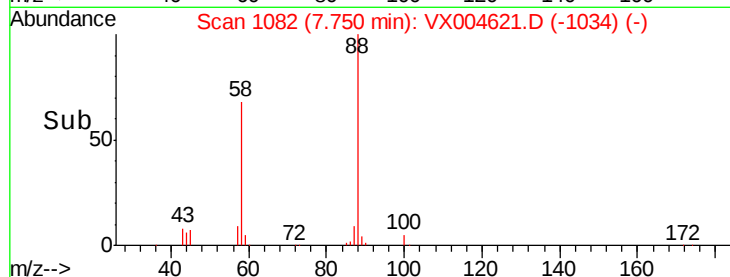
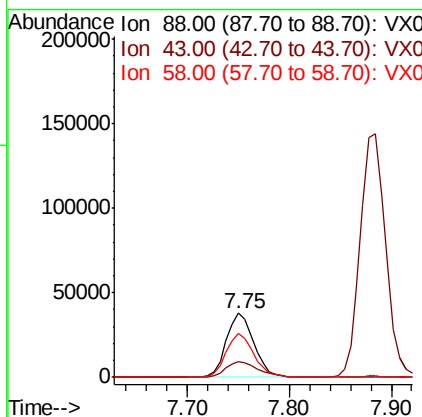
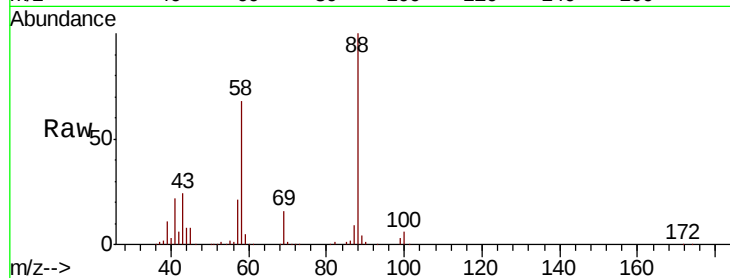
#49
1,4-Dioxane
Concen: 968.64 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	24.7	37.1
58	68.7	55.3	82.9

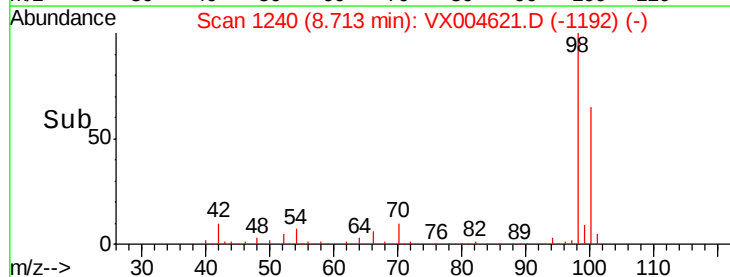
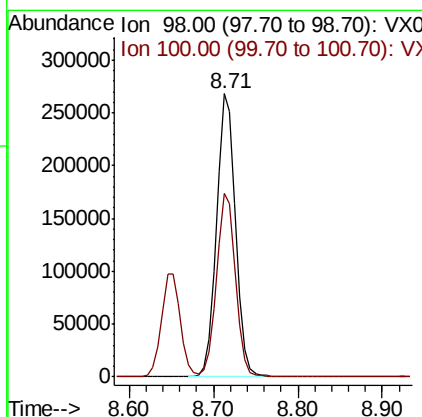
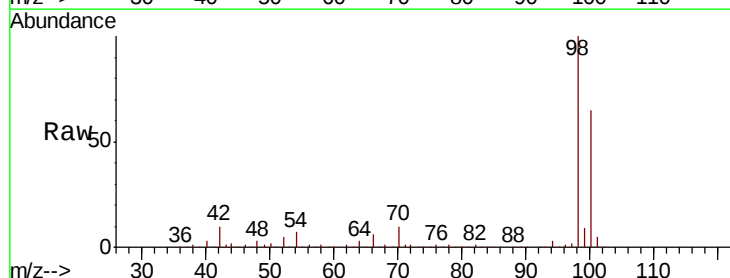
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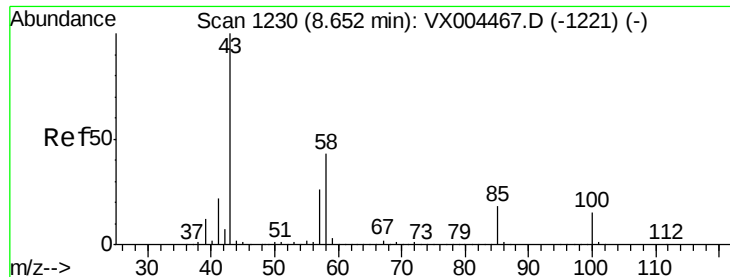
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#50
Toluene-d8
Concen: 39.97 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.9	79.3





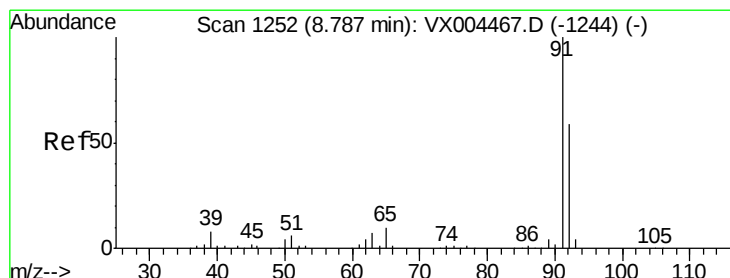
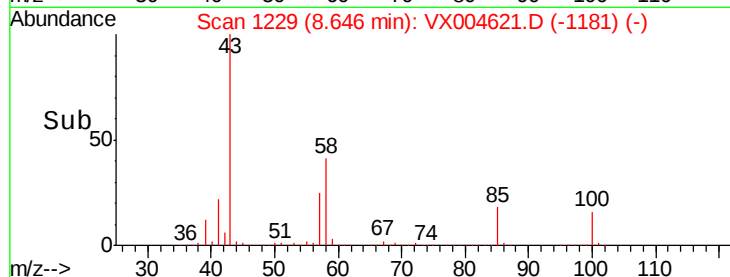
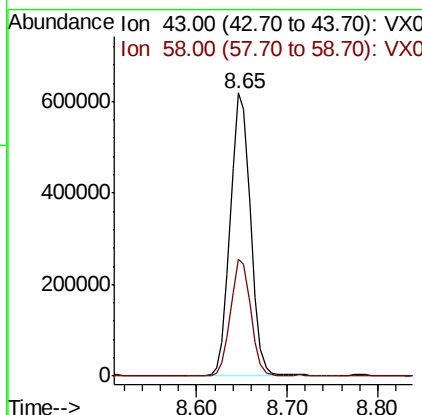
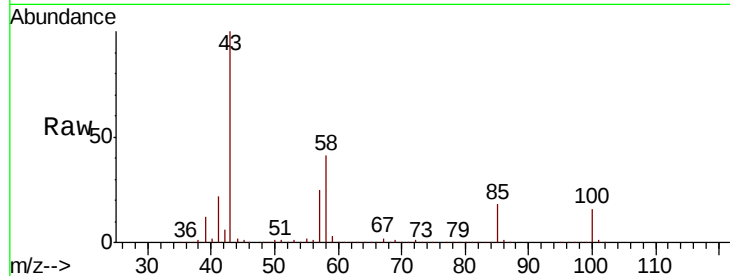
#51
4-Methyl-2-Pentanone
Concen: 218.48 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	41.0		33.1	49.7	

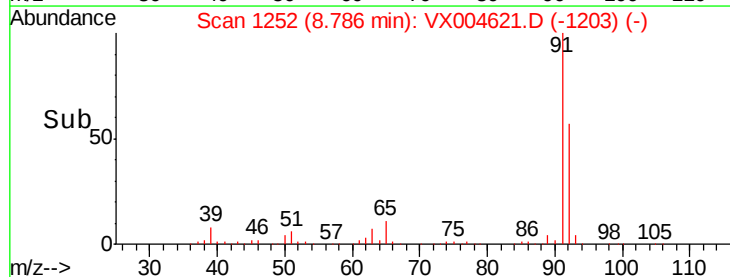
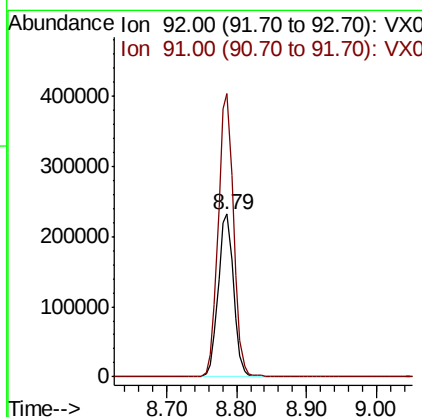
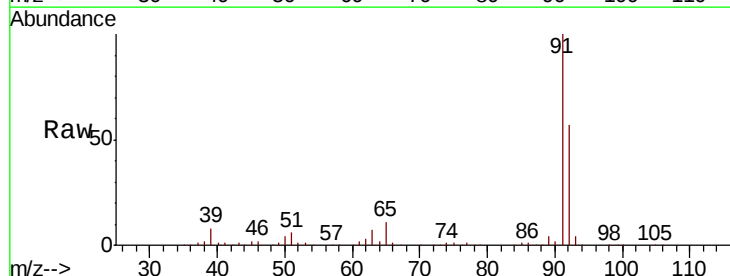
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#52
Toluene
Concen: 49.16 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	173.4		136.4	204.6	





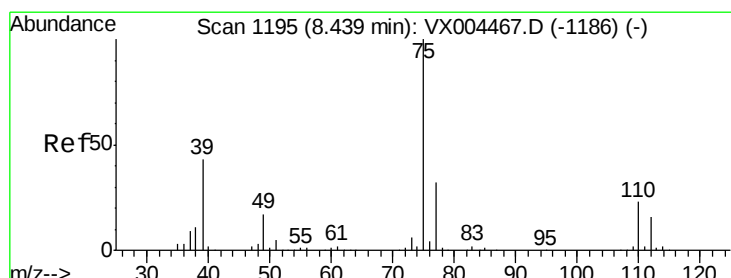
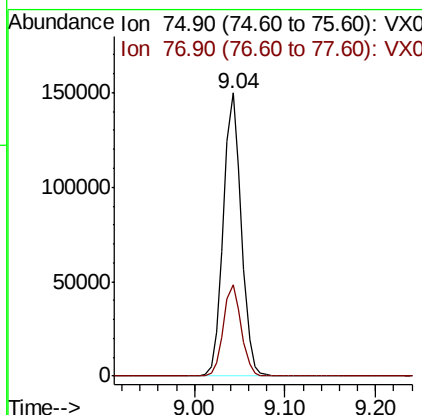
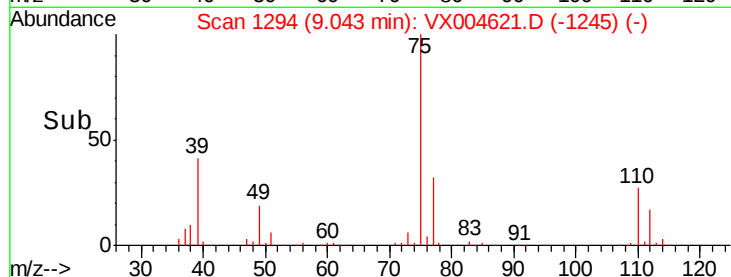
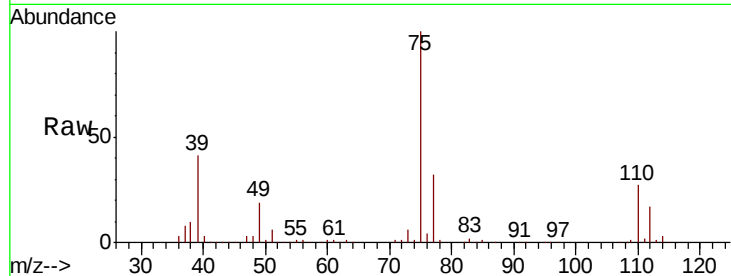
#53
t-1,3-Dichloropropene
Concen: 50.05 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 206524
Ion Ratio Lower Upper
75 100
77 32.1 24.6 37.0

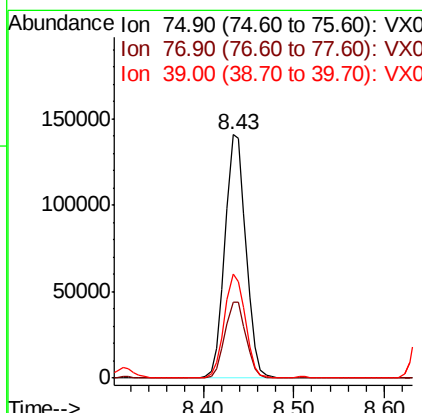
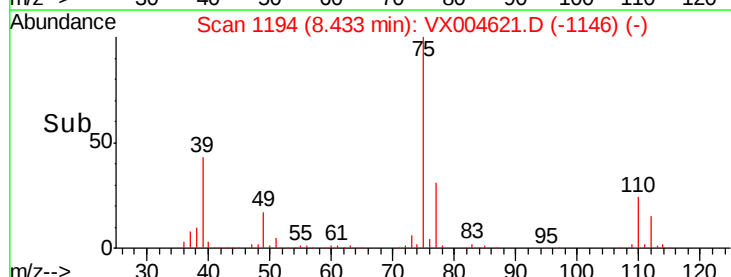
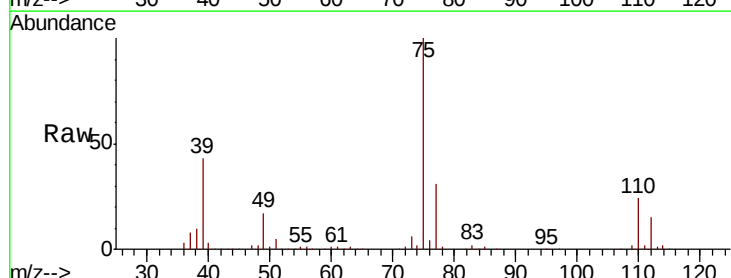
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#54
cis-1,3-Dichloropropene
Concen: 54.12 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion: 75 Resp: 227641
Ion Ratio Lower Upper
75 100
77 31.2 26.2 39.2
39 42.6 36.4 54.6





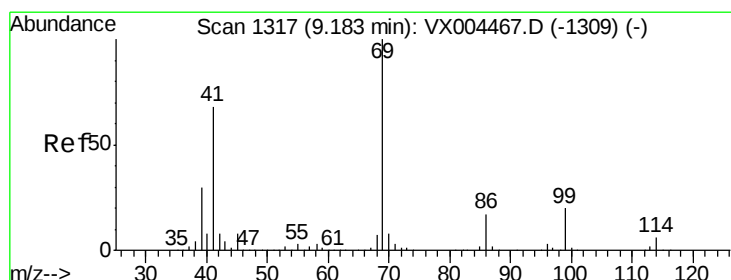
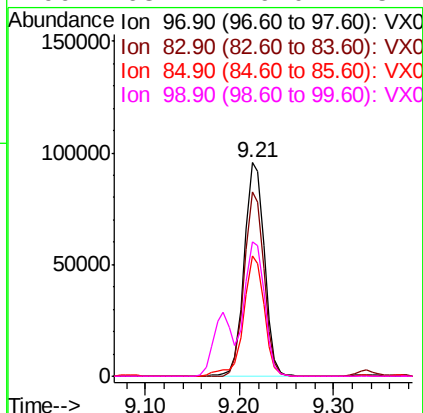
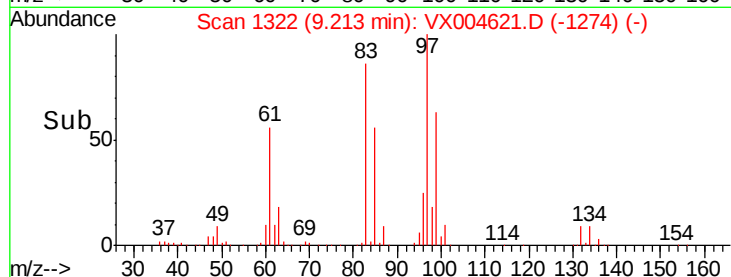
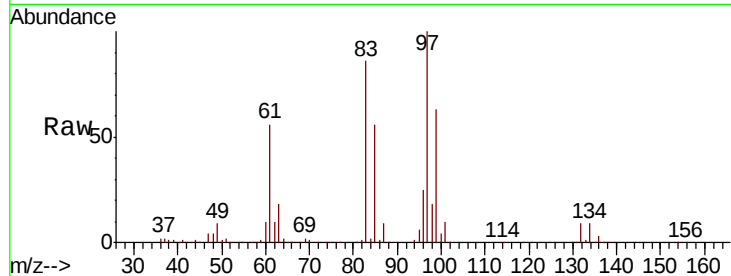
#55
 1,1,2-Trichloroethane
 Concen: 45.81 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	142810
Ion Ratio	Lower	Upper	
97	100		
83	86.3	66.4	99.6
85	56.4	43.3	64.9
99	63.2	49.0	73.4

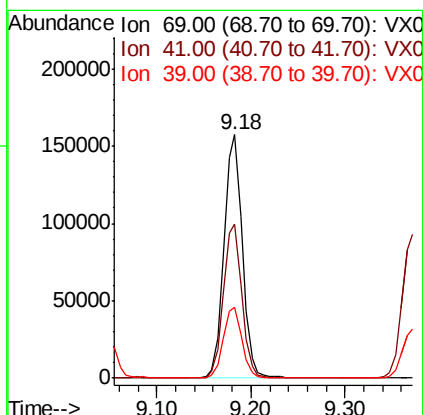
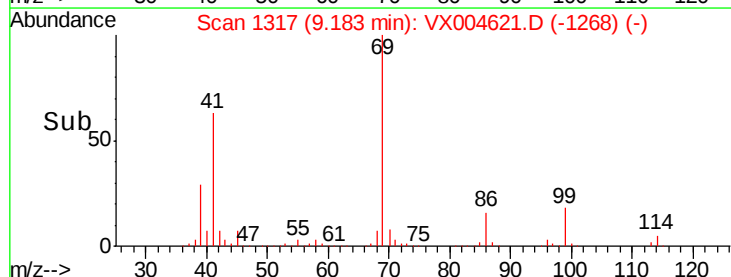
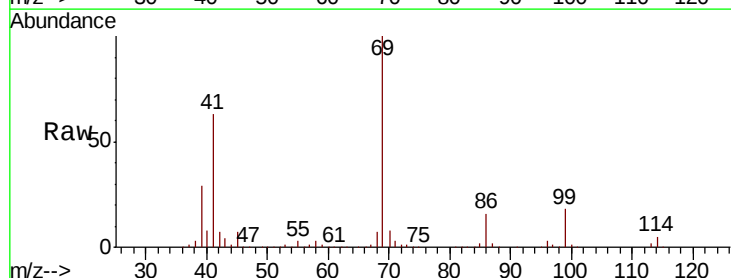
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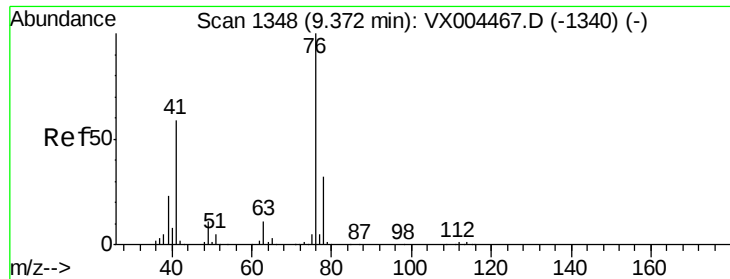
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#56
 Ethyl methacrylate
 Concen: 48.09 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Tgt Ion:	69	Resp:	212052
Ion Ratio	Lower	Upper	
69	100		
41	63.5	51.0	76.4
39	29.6	26.1	39.1





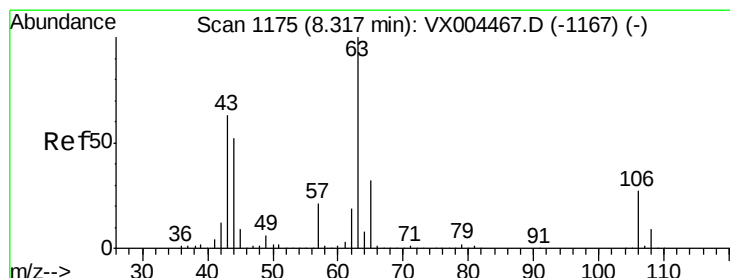
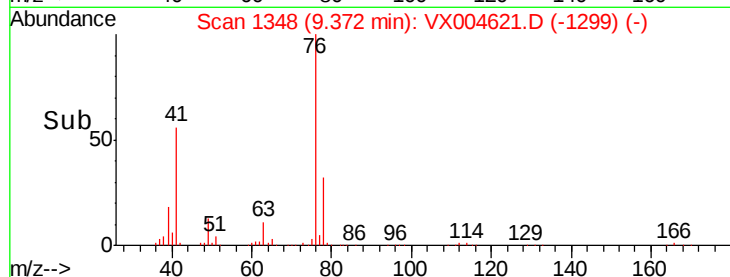
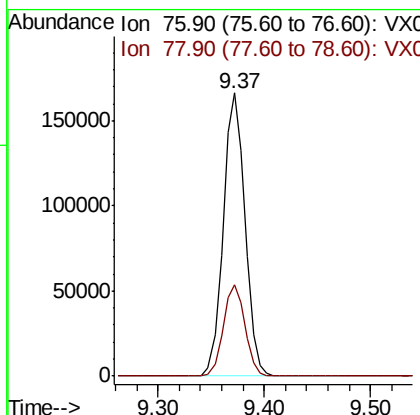
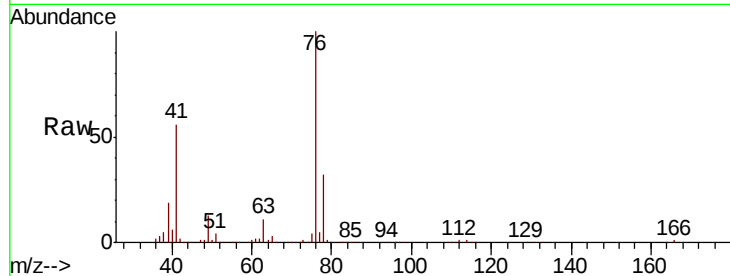
#57
 1,3-Dichloropropane
 Concen: 46.70 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

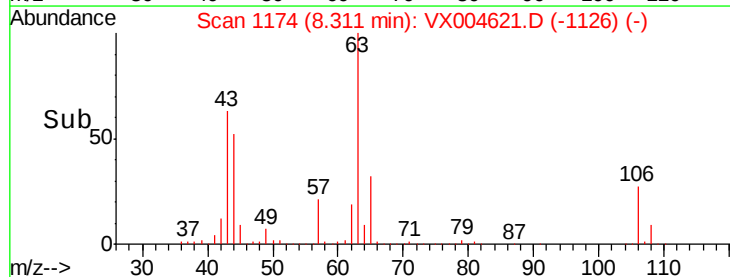
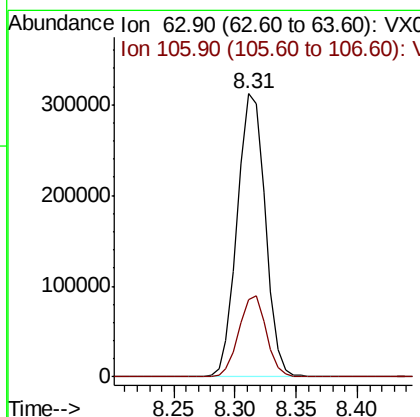
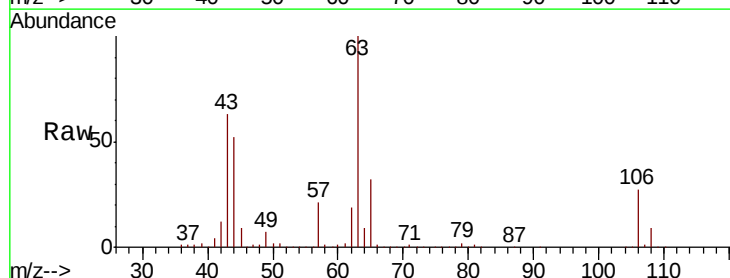
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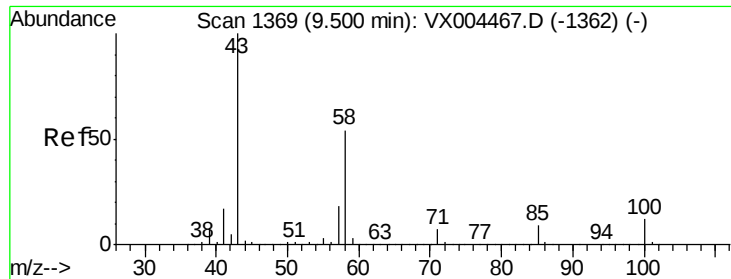
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#58
 2-Chloroethyl Vinyl ether
 Concen: 221.60 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	23.9	35.9





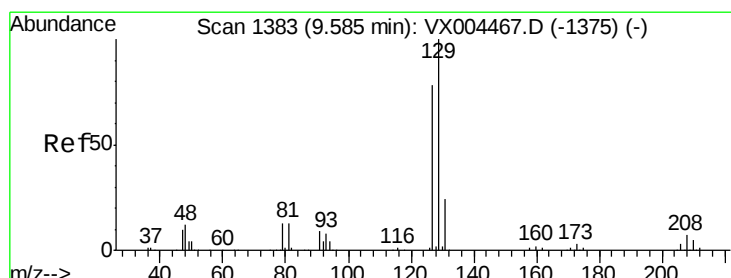
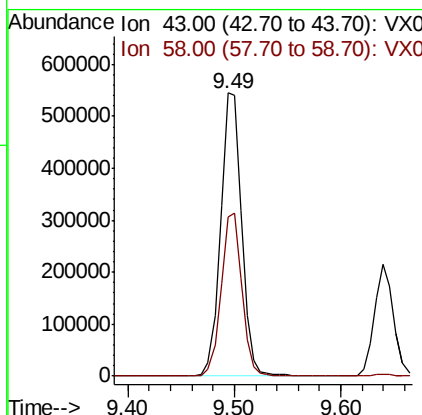
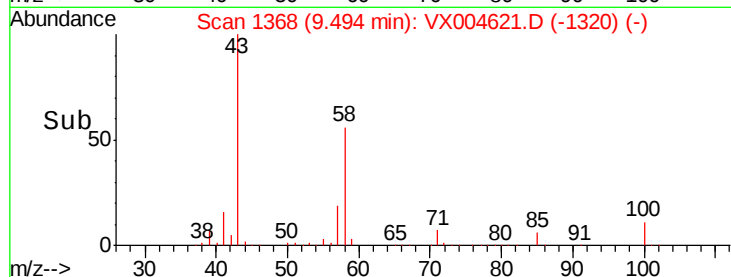
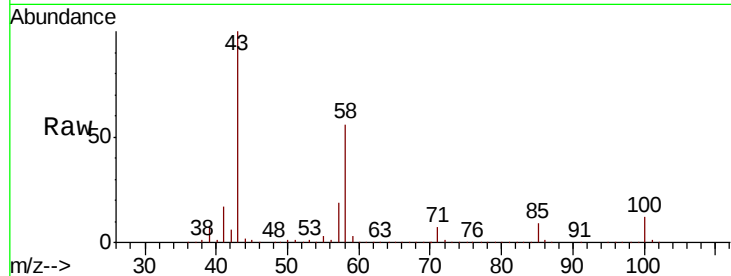
#59
2-Hexanone
Concen: 222.38 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 753072
Ion Ratio Lower Upper
43 100
58 56.8 29.0 87.0

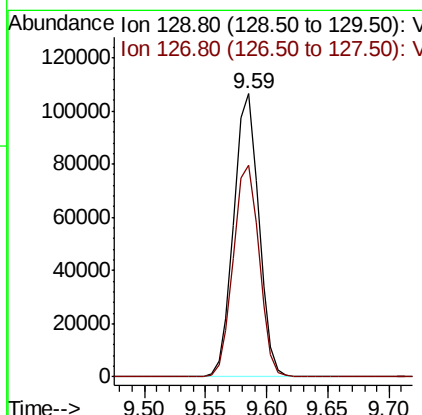
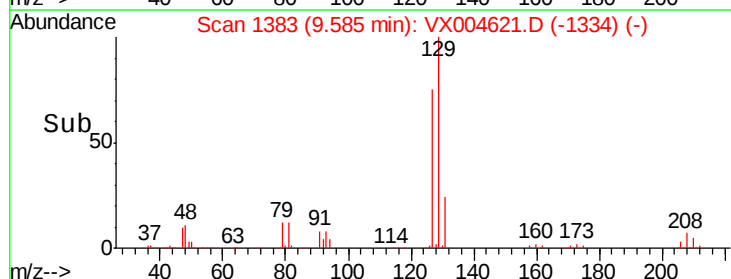
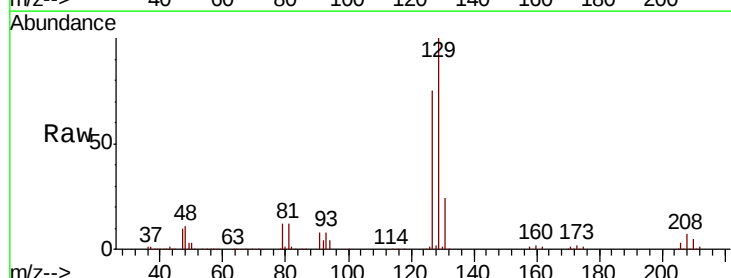
Manual Integrations
APPROVED

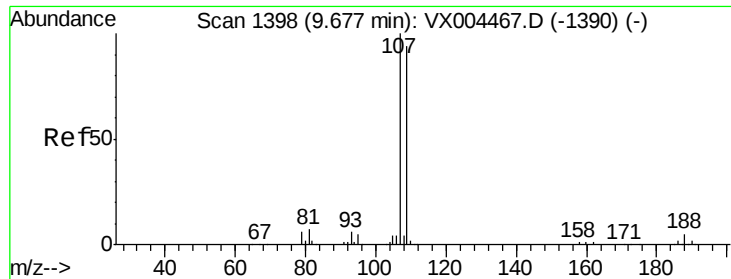
MMDadoda
9/18/2018 4:03:00 PM



#60
Dibromochloromethane
Concen: 51.36 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion: 129 Resp: 150733
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.80 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 148285

Ion Ratio Lower Upper

107 100

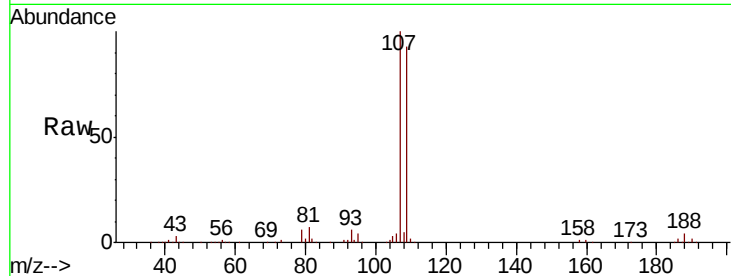
109 94.0 76.0 114.0

Manual Integrations

APPROVED

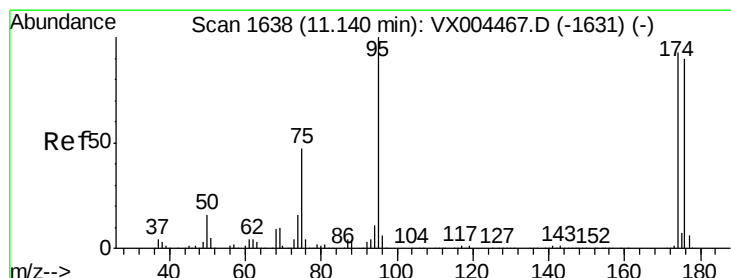
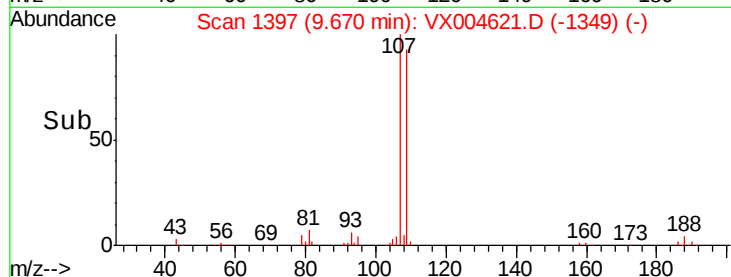
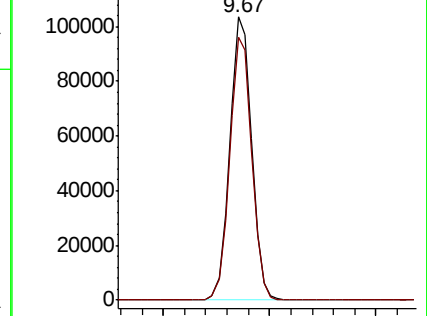
MMDadoda

9/18/2018 4:03:00 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 41.57 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

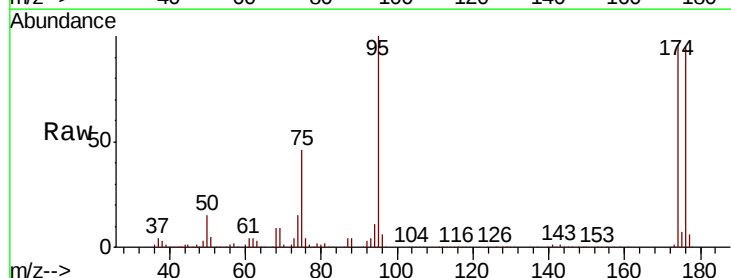
Tgt Ion: 95 Resp: 155331

Ion Ratio Lower Upper

95 100

174 94.0 0.0 185.2

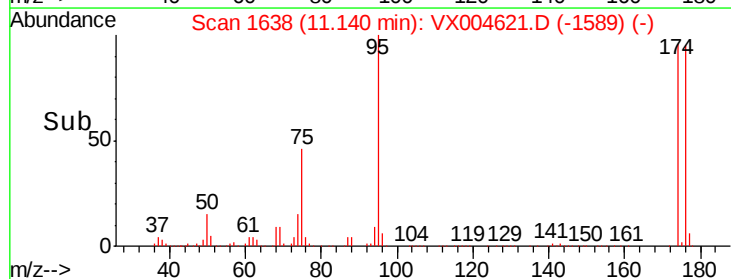
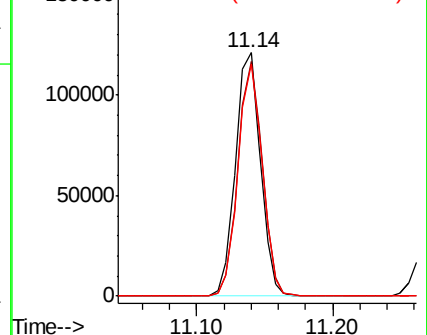
176 92.5 0.0 178.6



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





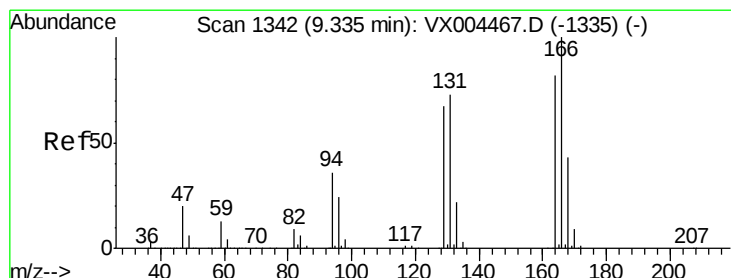
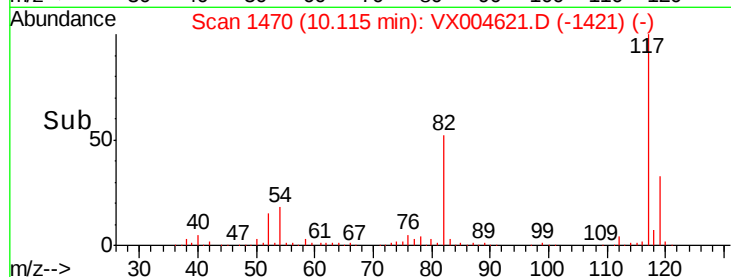
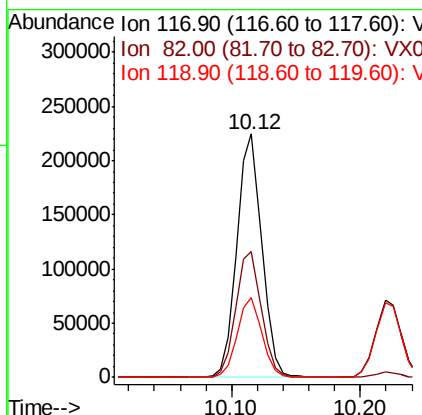
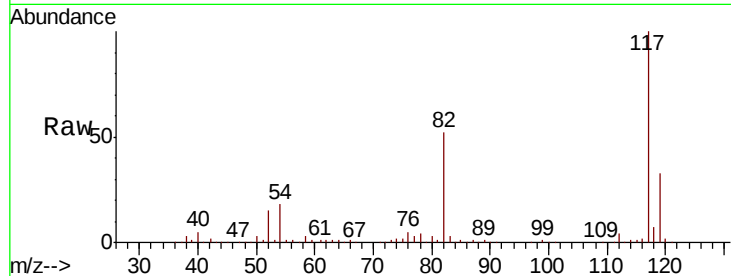
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	47.8	71.6
119	32.6	29.3	43.9

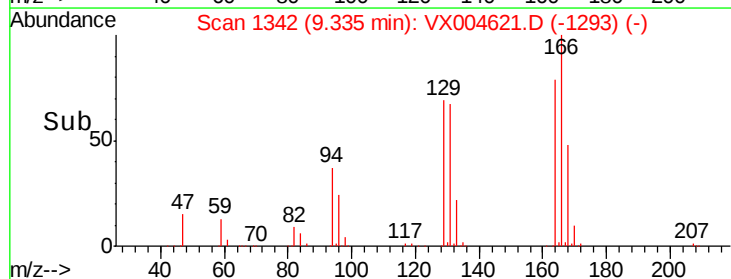
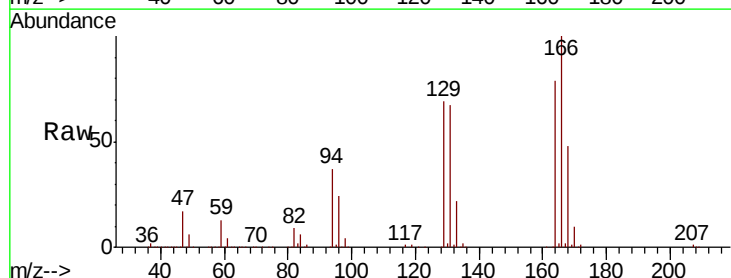
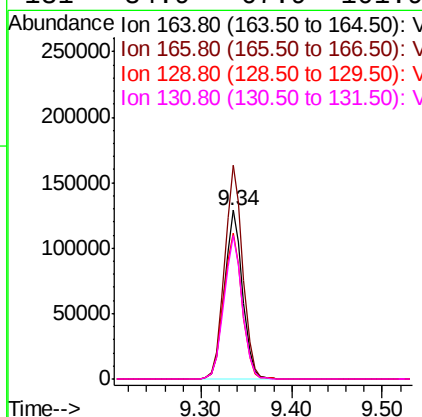
Manual Integrations
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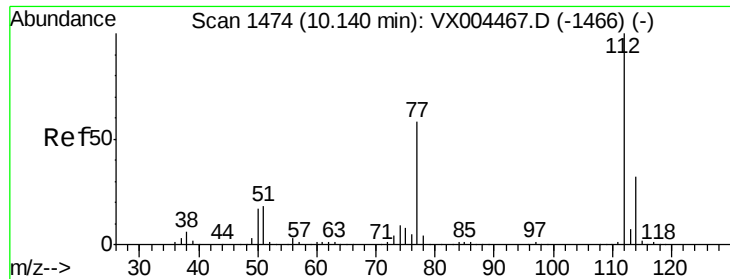
MMDadoda
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#64
Tetrachloroethene
Concen: 47.90 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.8	154.2
129	86.8	69.4	104.0
131	84.9	67.9	101.9





#65

Chlorobenzene

Concen: 53.90 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 404805

Ion Ratio Lower Upper

112 100

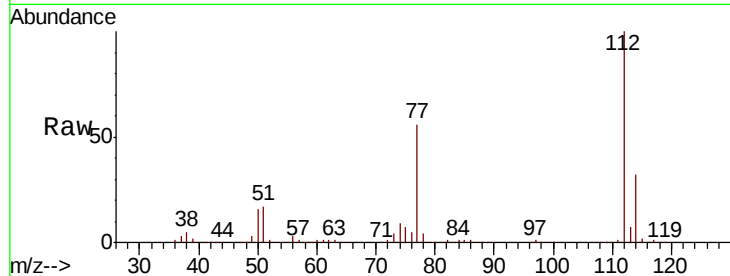
114 31.9 27.8 41.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

300000

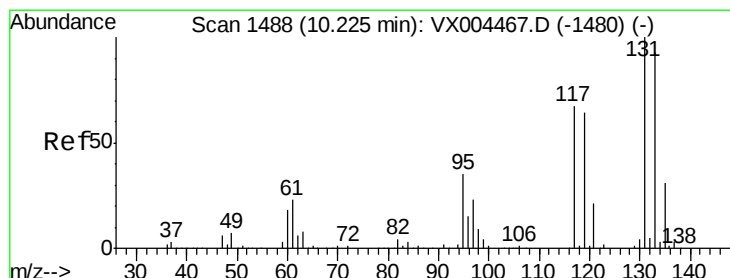
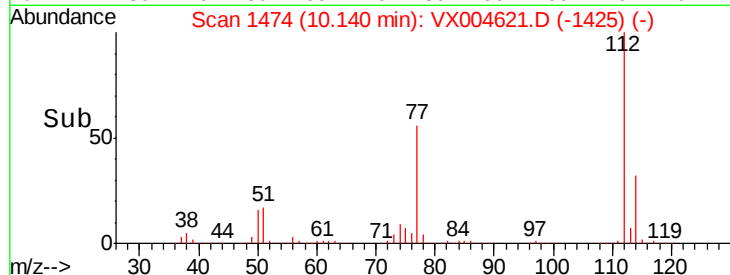
200000

100000

0

Time-->

10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 55.44 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

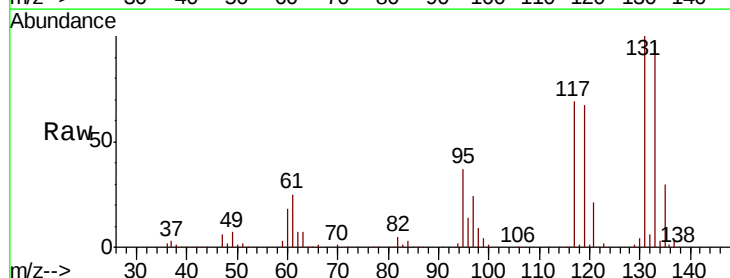
Tgt Ion:131 Resp: 143579

Ion Ratio Lower Upper

131 100

133 96.9 48.1 144.4

119 65.6 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

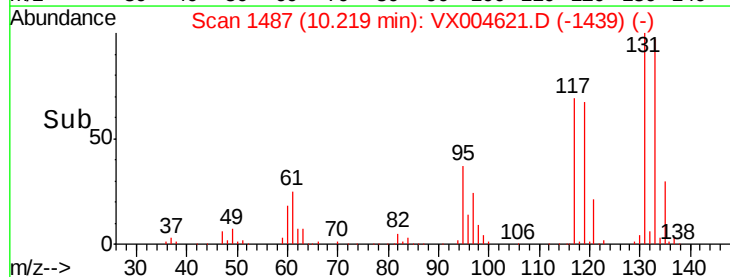
100000

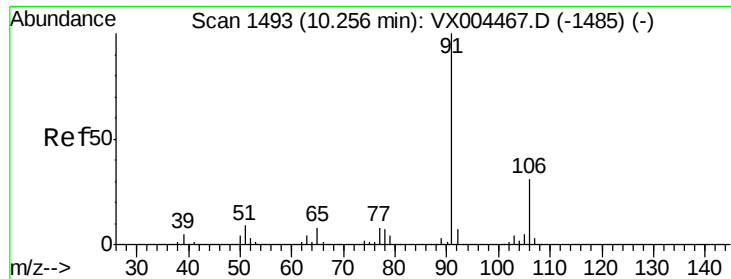
50000

0

Time-->

10.20 10.30





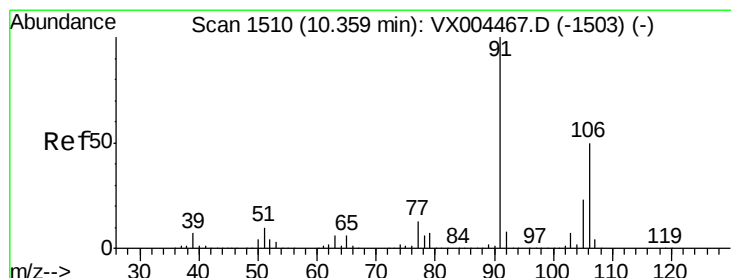
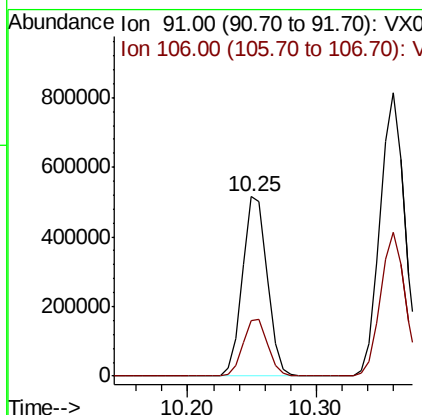
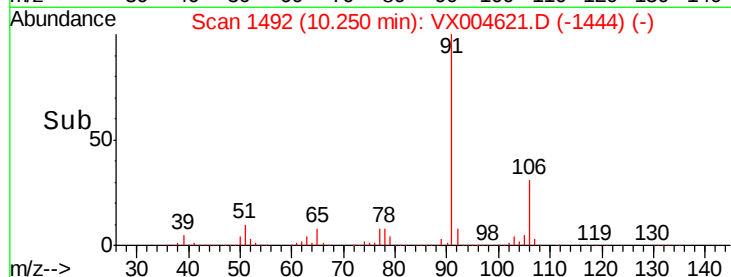
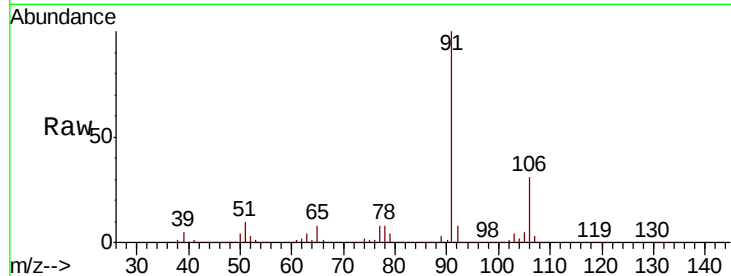
#67
Ethyl Benzene
Concen: 56.20 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 686351
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9

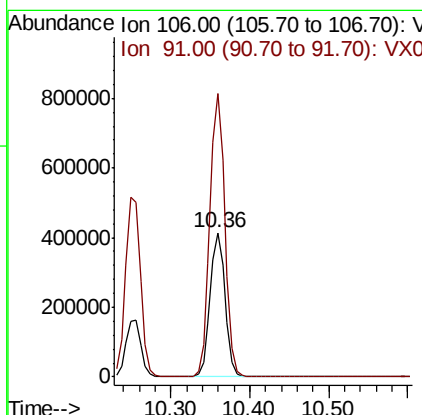
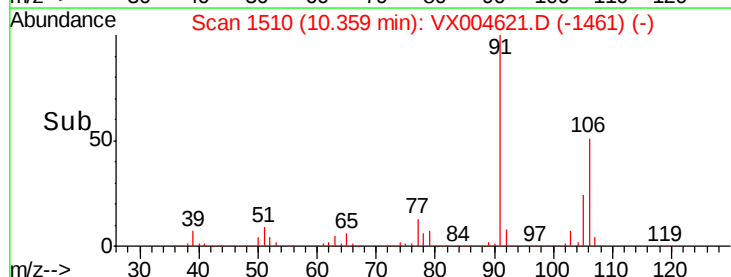
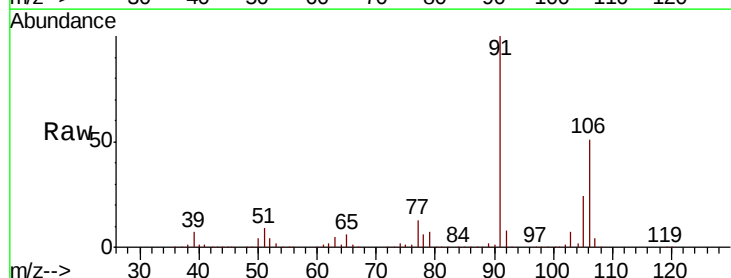
Manual Integrations
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#68
m/p-Xylenes
Concen: 115.87 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion: 106 Resp: 545034
Ion Ratio Lower Upper
106 100
91 198.1 157.1 235.7





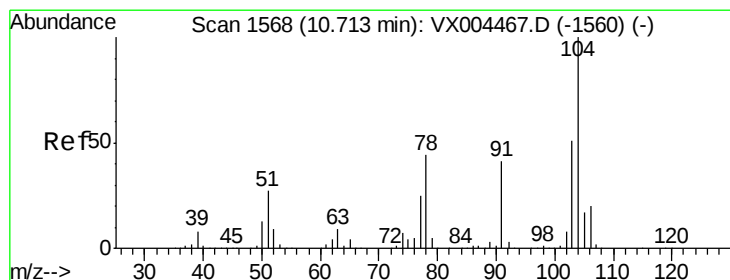
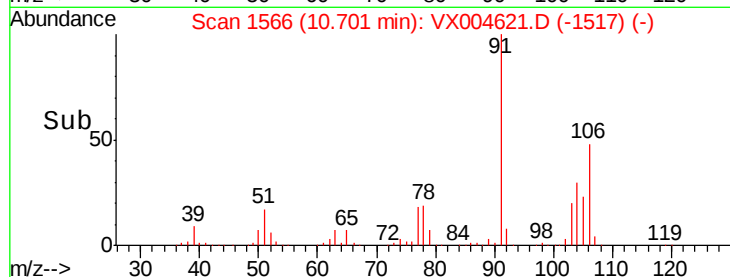
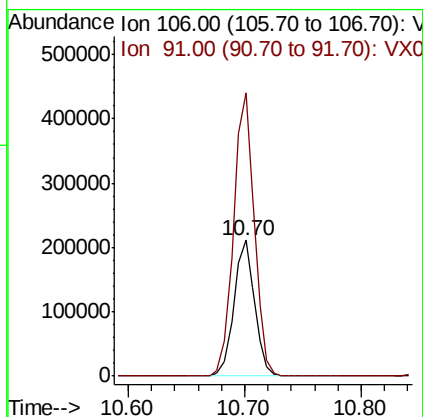
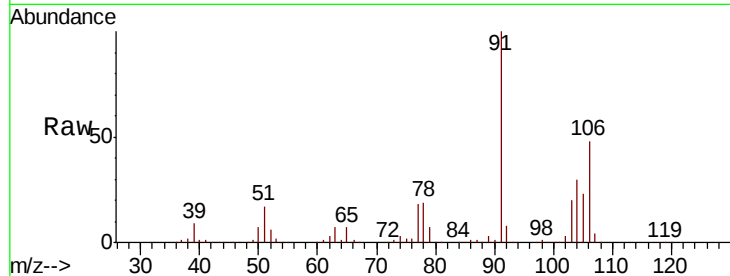
#69
o-Xylene
Concen: 57.51 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.4	105.1	315.1	

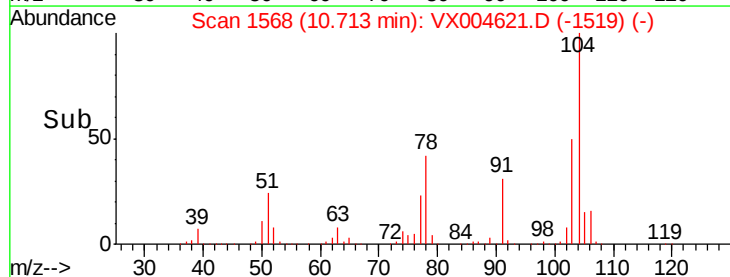
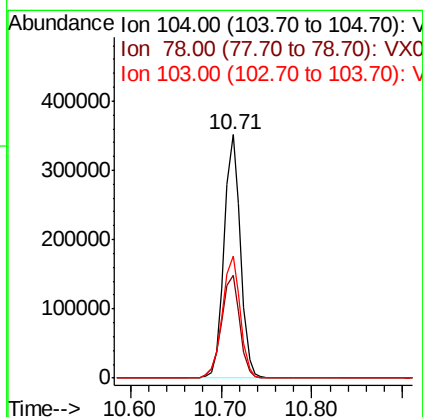
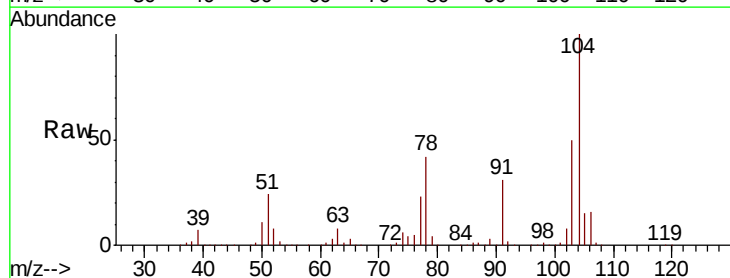
Manual Integrations
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9/18/2018 4:03:00 PM



#70
Styrene
Concen: 58.82 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.3	37.4	56.0	
103	54.8	43.8	65.6	





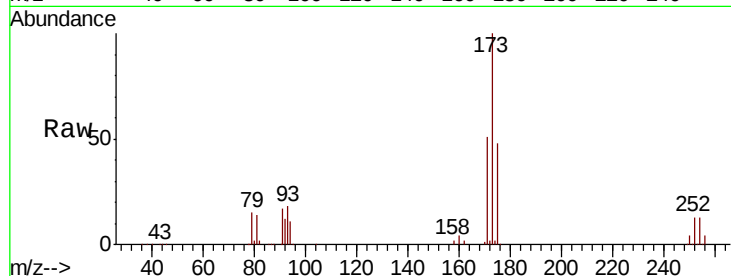
#71
Bromoform
Concen: 56.94 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
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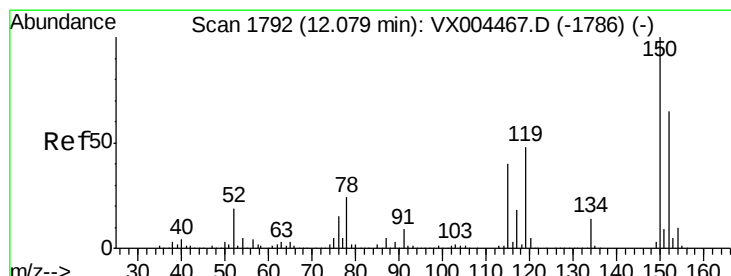
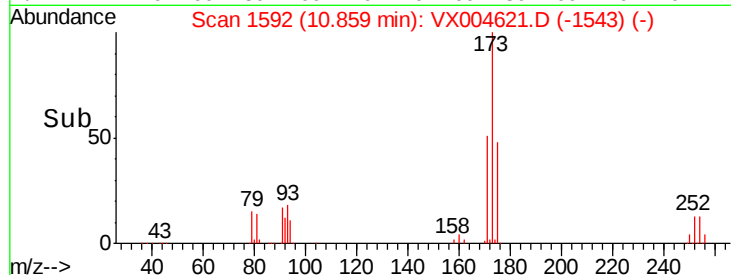
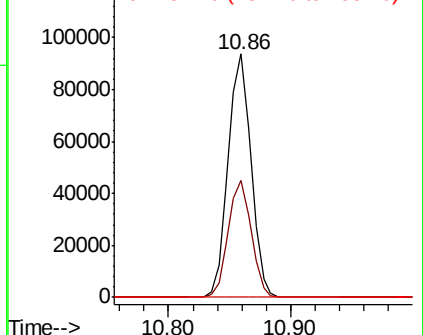


Abundance

Ion 172.70 (172.40 to 173.40): V

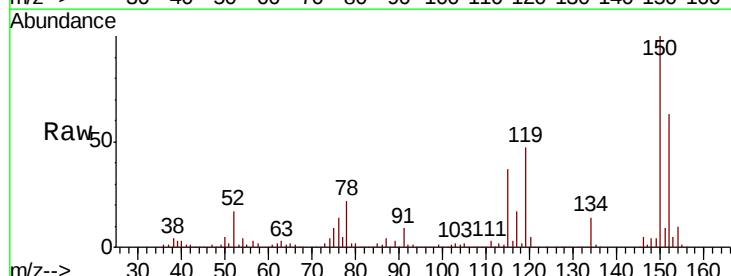
Ion 174.70 (174.40 to 175.40): V

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: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.0	39.0	117.0
150	174.9	0.0	351.0

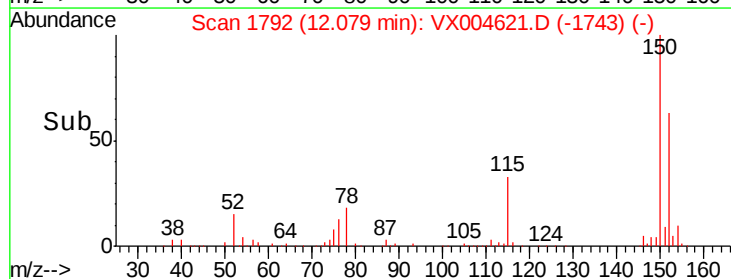
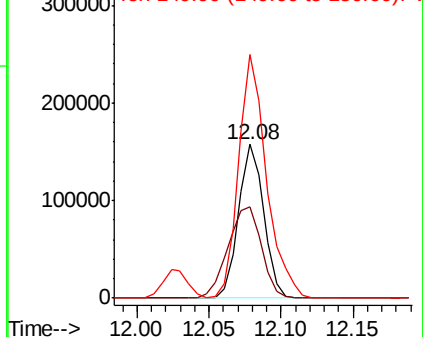


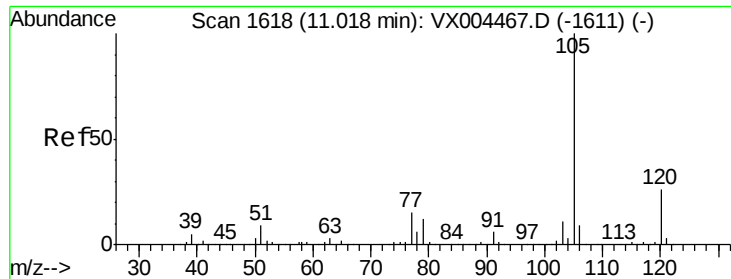
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.93 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 706304

Ion Ratio Lower Upper

105 100

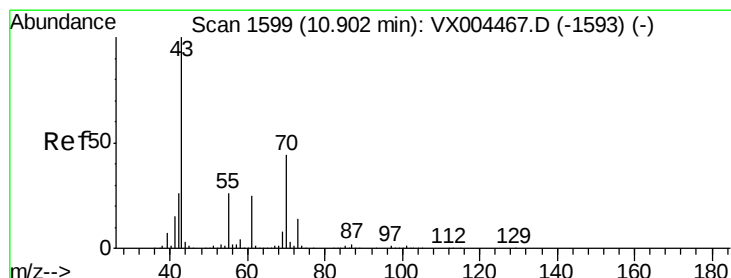
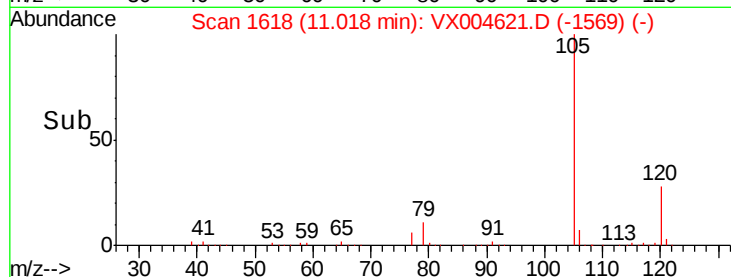
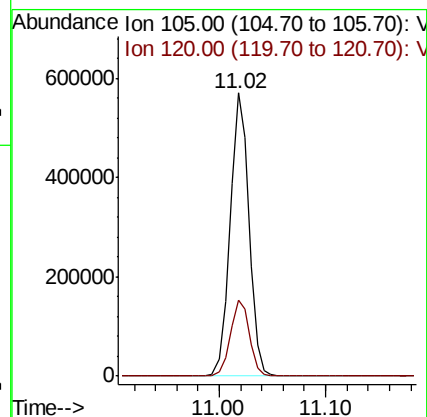
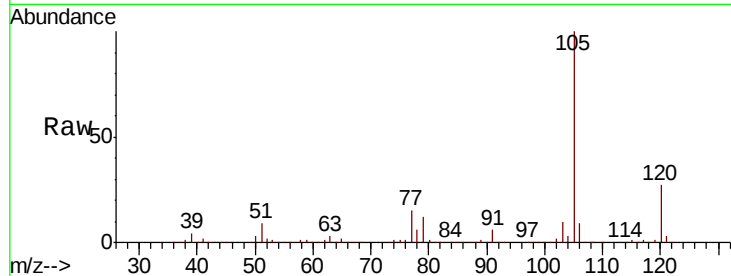
120 27.1 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.49 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Tgt Ion: 43 Resp: 273688

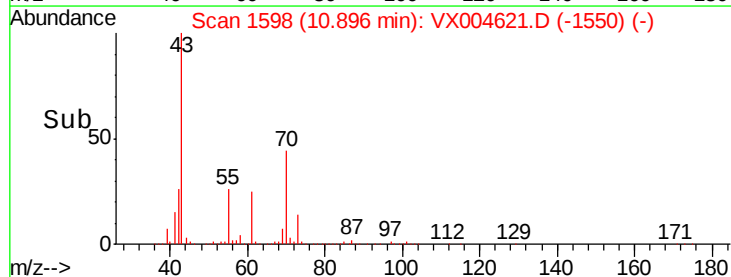
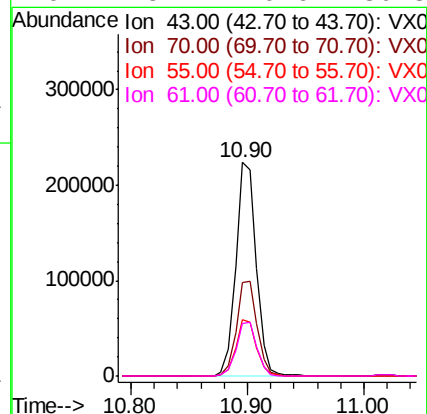
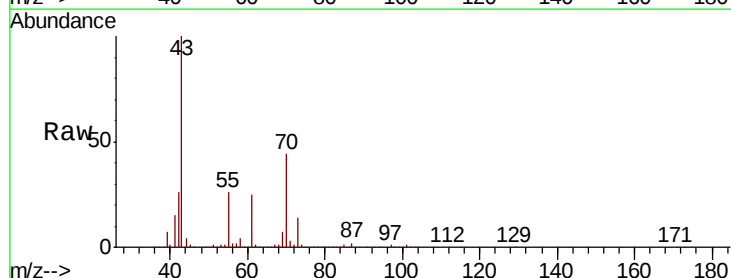
Ion Ratio Lower Upper

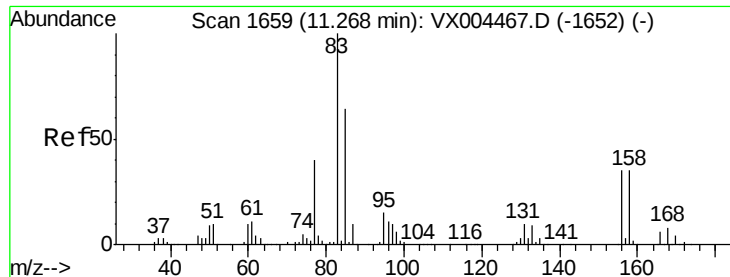
43 100

70 44.6 37.4 56.0

55 26.2 21.8 32.8

61 25.2 20.6 30.8





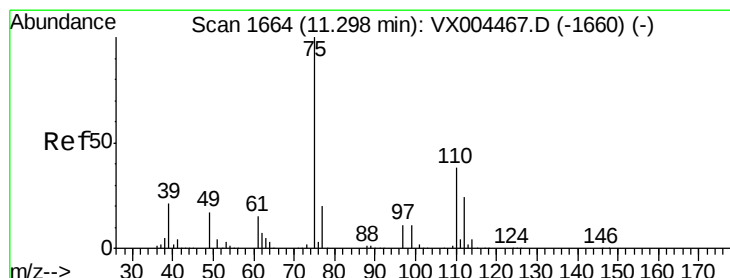
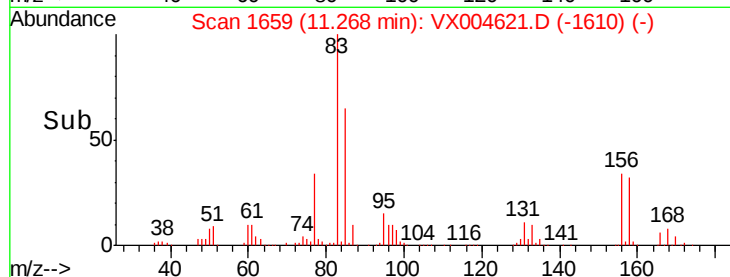
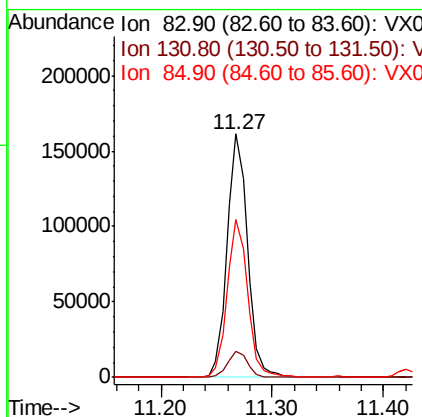
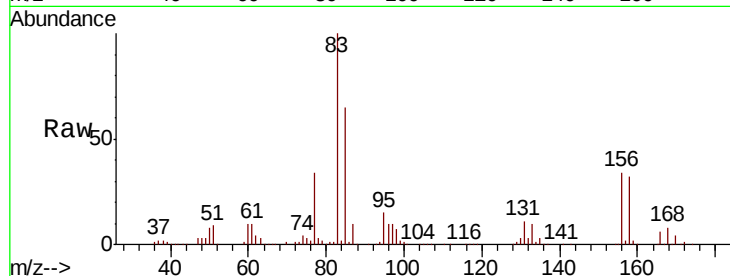
#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.36 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	205147		
131	10.6	5.2	15.6	
85	64.8	32.3	96.8	

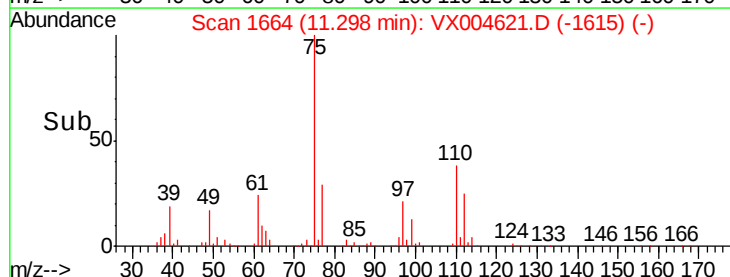
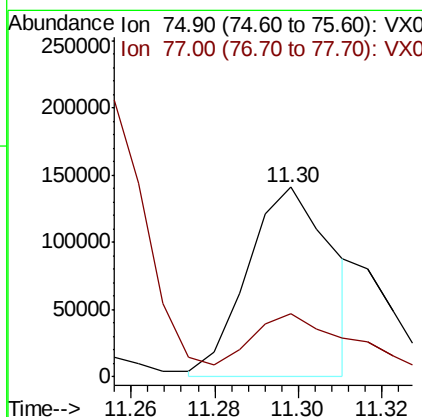
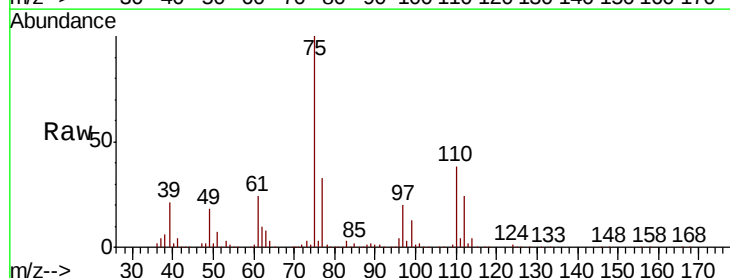
Manual Integrations
 APPROVED

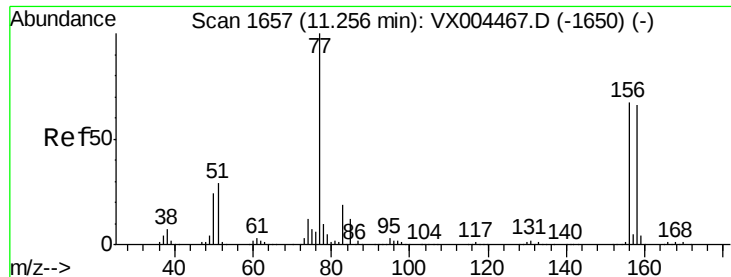
MMDadoda
 9/18/2018 4:03:00 PM



#76
 1,2,3-Trichloropropane
 Concen: 51.31 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	197969		
77	41.0	20.2	60.6	





#77

Bromobenzene

Concen: 54.25 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 189381

Ion Ratio Lower Upper

156 100

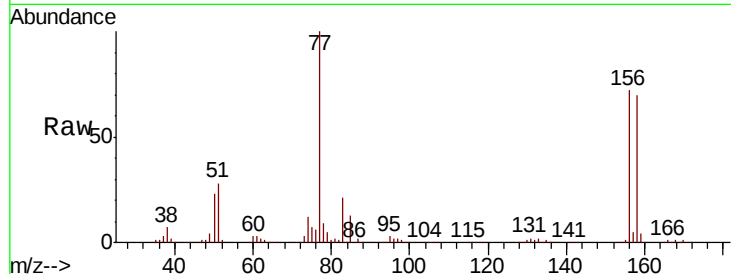
77 141.1 71.5 214.3

158 97.4 48.9 146.8

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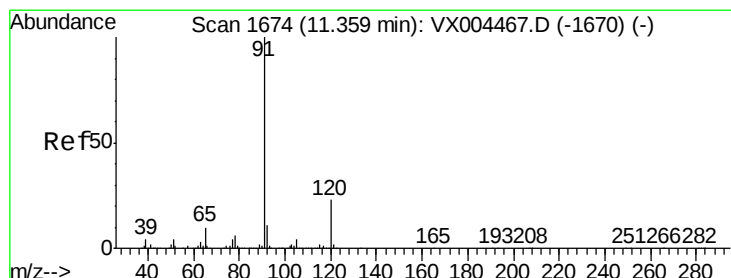
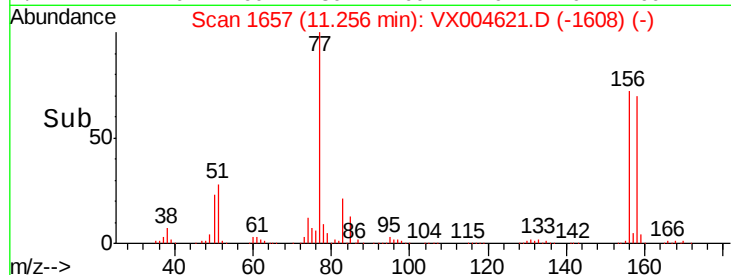
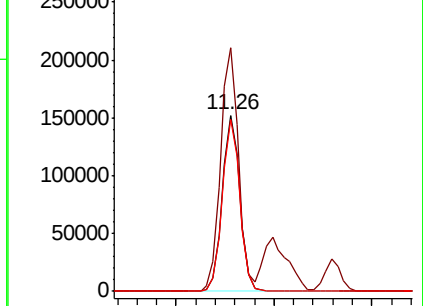
9/18/2018 4:03:00 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.77 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004621.D

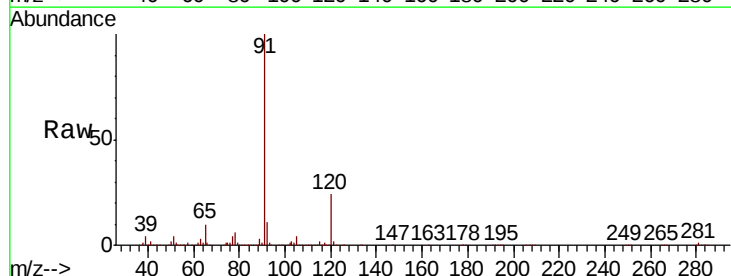
Acq: 17 Sep 2018 15:47

Tgt Ion: 91 Resp: 824358

Ion Ratio Lower Upper

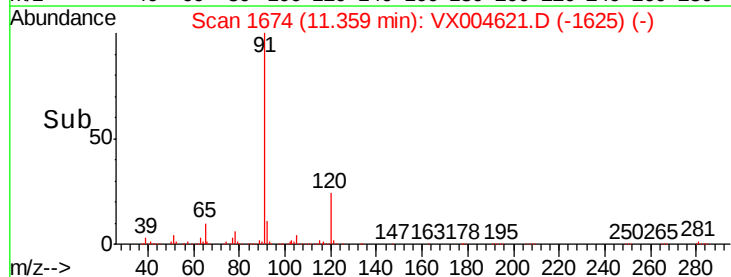
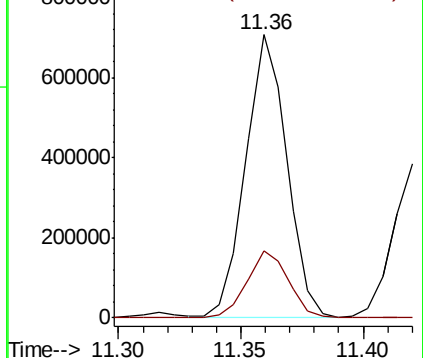
91 100

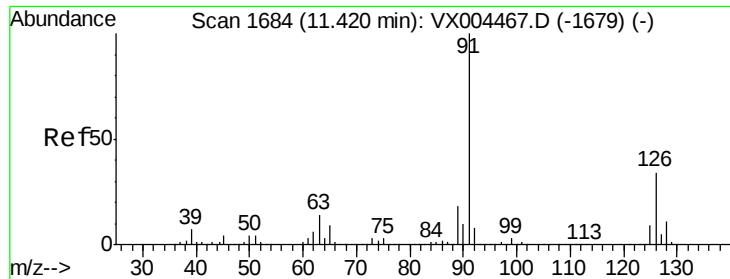
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.78 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 473680

Ion Ratio Lower Upper

91 100

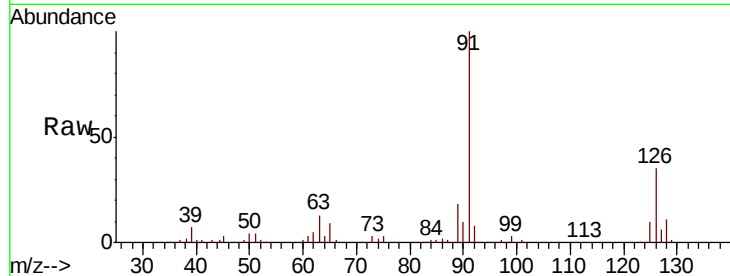
126 35.8 17.9 53.7

Manual Integrations

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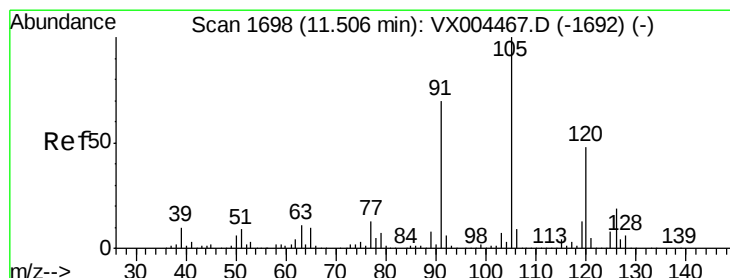
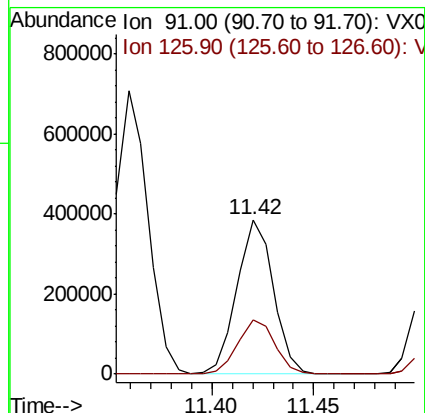
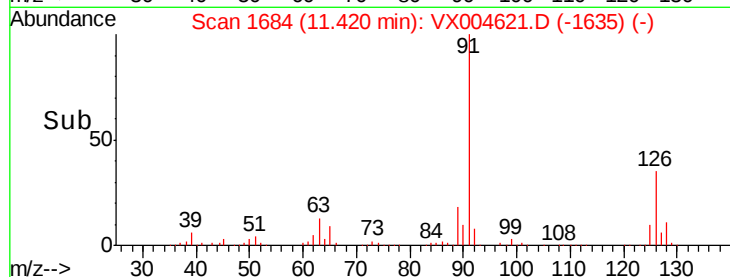
MMDadoda

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

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



#80

1,3,5-Trimethylbenzene

Concen: 56.91 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004621.D

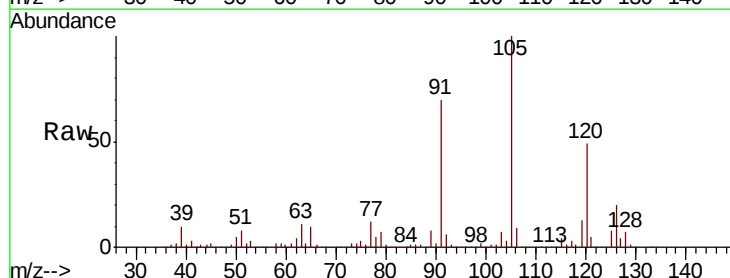
Acq: 17 Sep 2018 15:47

Tgt Ion:105 Resp: 604211

Ion Ratio Lower Upper

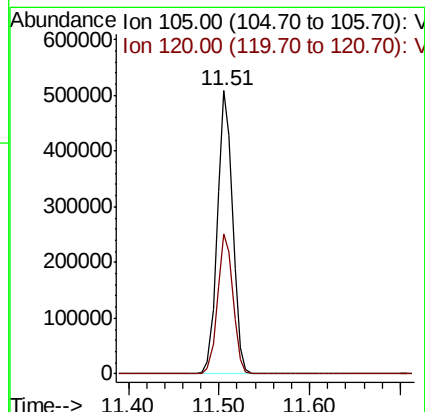
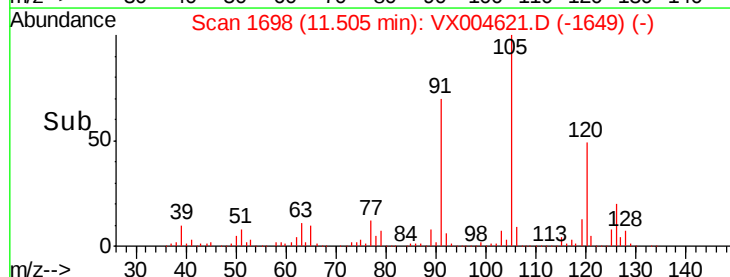
105 100

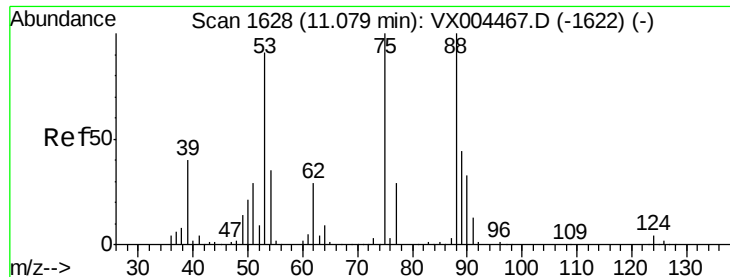
120 49.9 25.6 76.8



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 57.16 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 69188

Ion Ratio Lower Upper

75 100

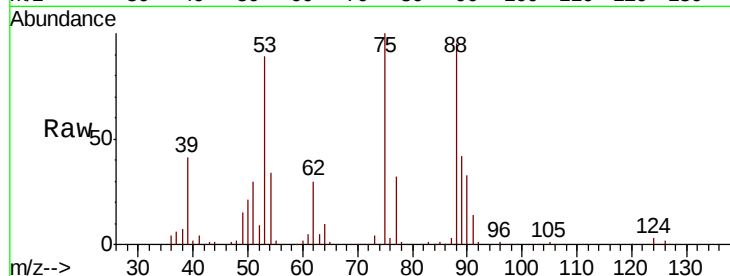
53 89.8 80.1 120.1

89 44.6 37.2 55.8

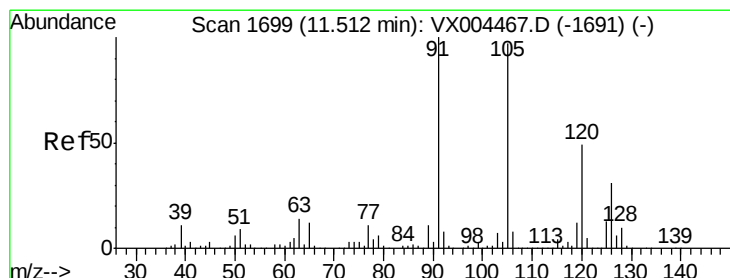
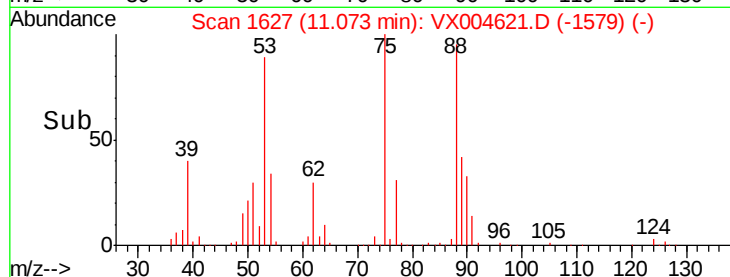
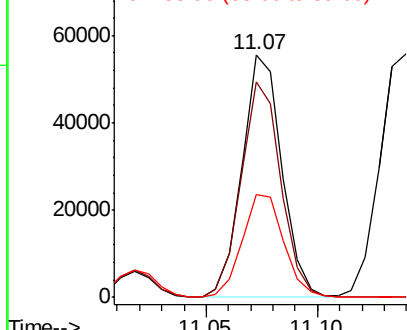
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 54.53 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004621.D

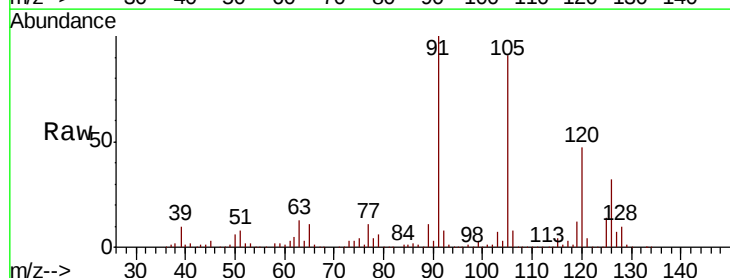
Acq: 17 Sep 2018 15:47

Tgt Ion: 91 Resp: 560473

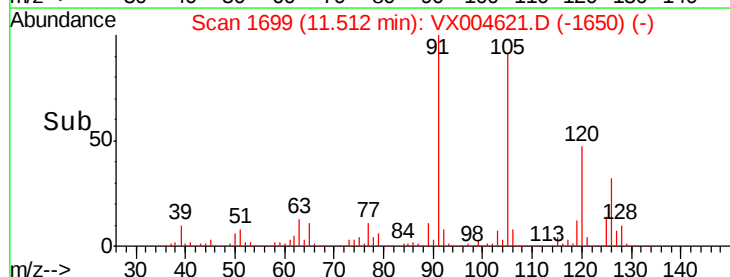
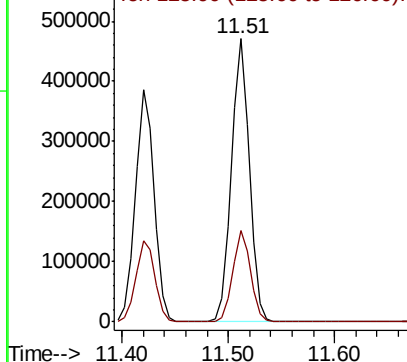
Ion Ratio Lower Upper

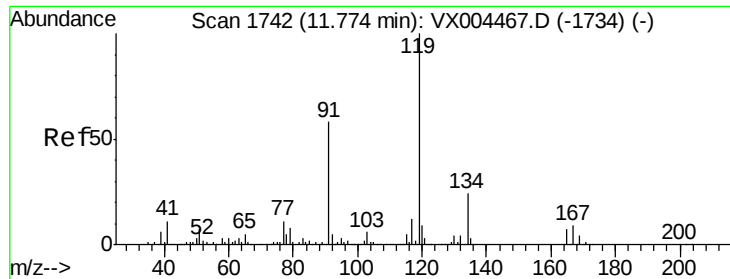
91 100

126 31.9 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





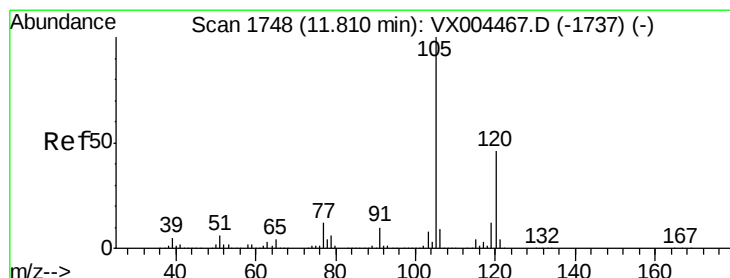
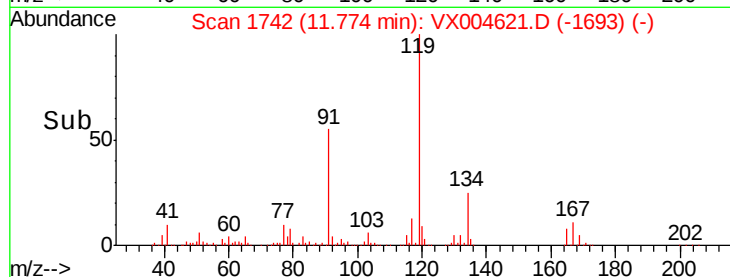
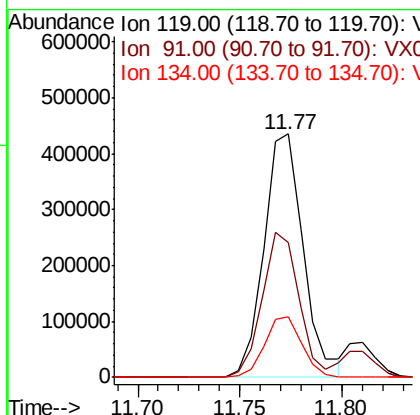
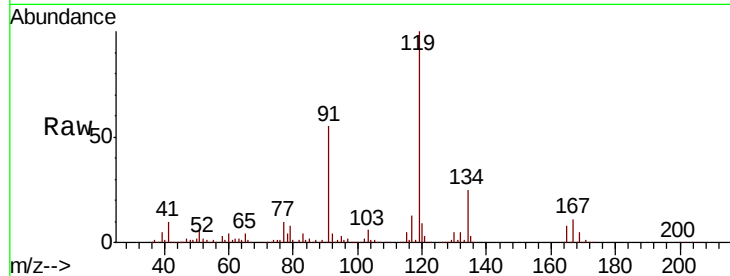
#83
 tert-Butylbenzene
 Concen: 57.99 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	586192		
91	55.7		27.0	81.0
134	23.5		11.7	35.1

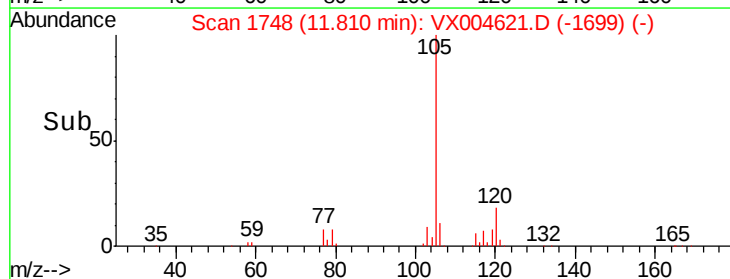
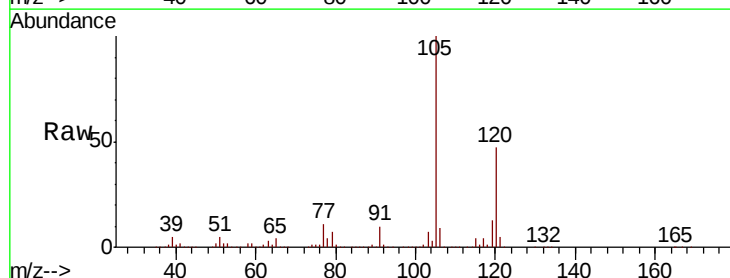
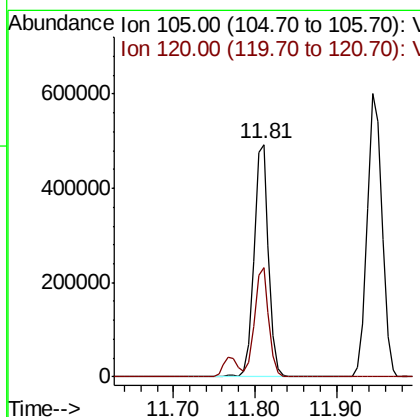
Manual Integrations
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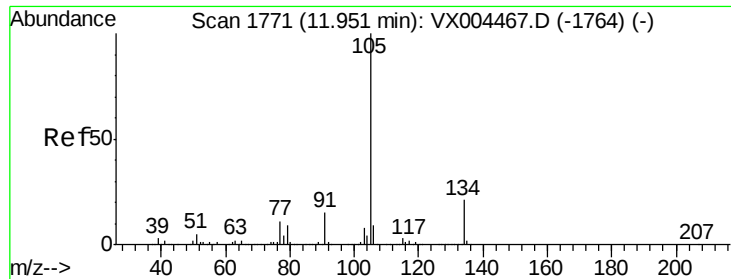
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#84
 1,2,4-Trimethylbenzene
 Concen: 57.27 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	620756		
120	45.8		23.2	69.6





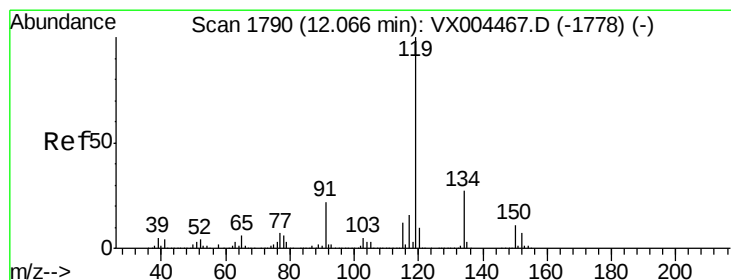
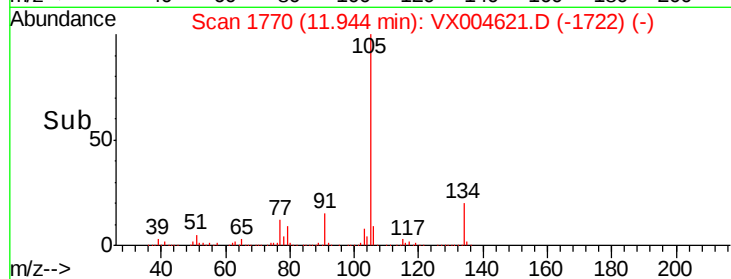
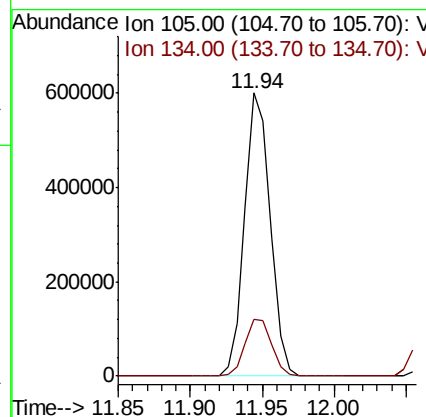
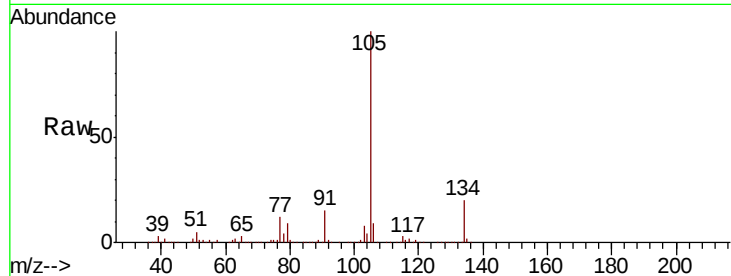
#85
 sec-Butylbenzene
 Concen: 57.65 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	742583		
134	20.7	10.5	31.5	

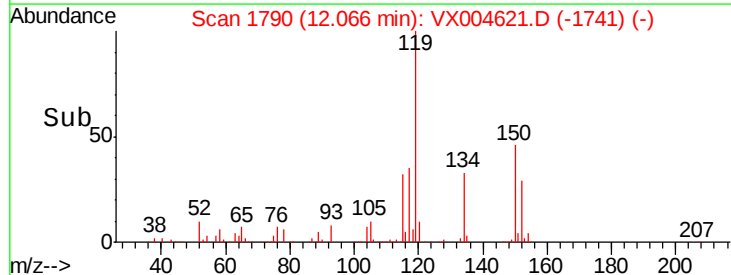
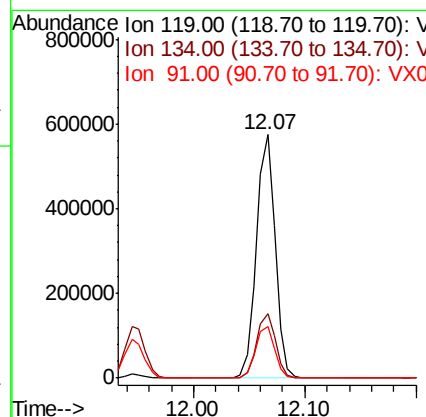
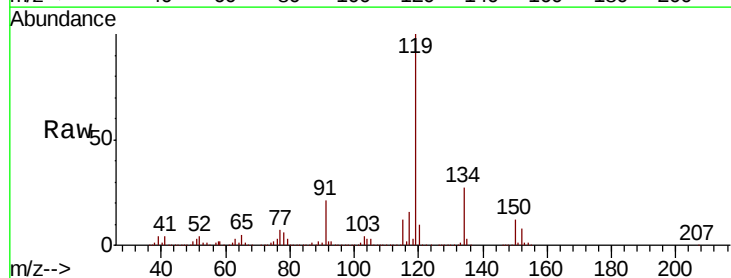
Manual Integrations
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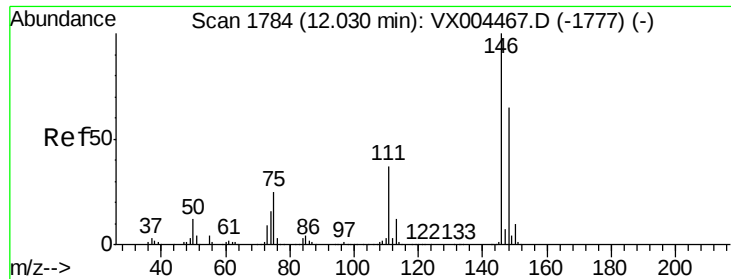
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#86
 p-Isopropyltoluene
 Concen: 59.30 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	674472		
134	26.8	13.4	40.2	
91	21.7	10.9	32.7	





#87

1,3-Dichlorobenzene

Concen: 54.83 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

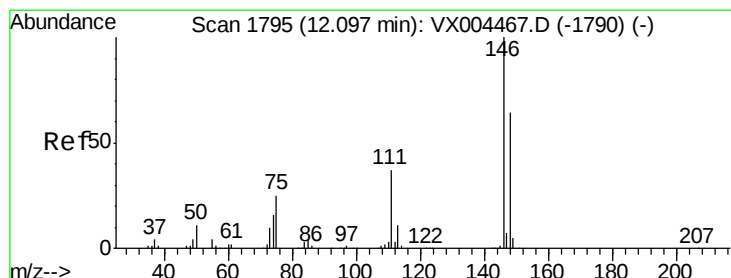
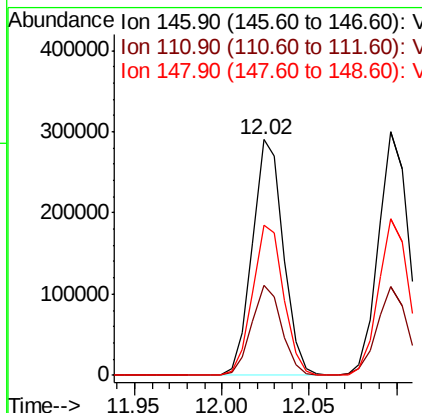
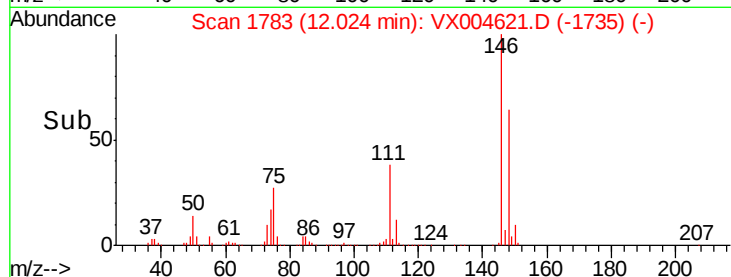
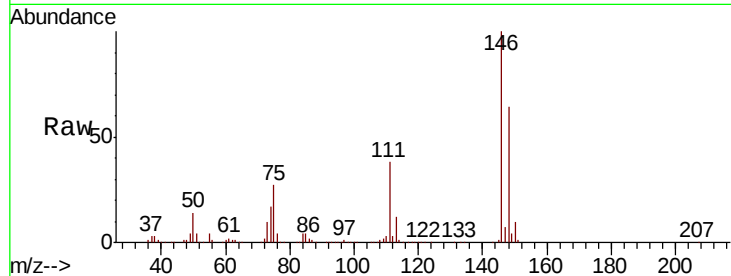
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	357094
Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	64.1	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 53.63 ug/l

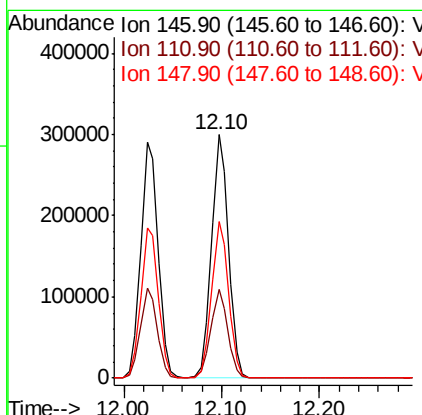
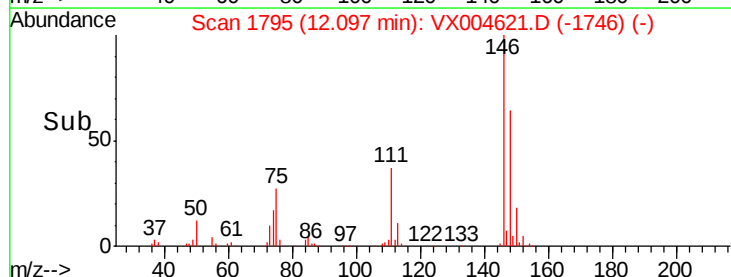
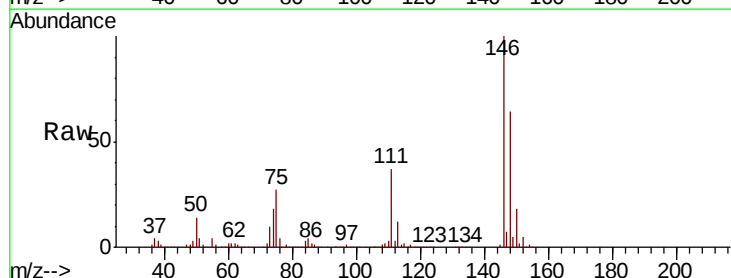
RT: 12.10 min Scan# 1795

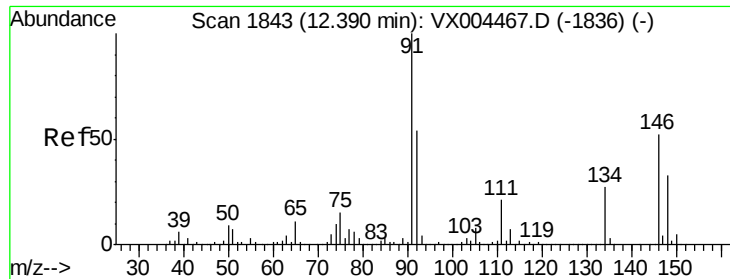
Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Tgt Ion:	146	Resp:	360932
Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	64.2	32.0	96.0





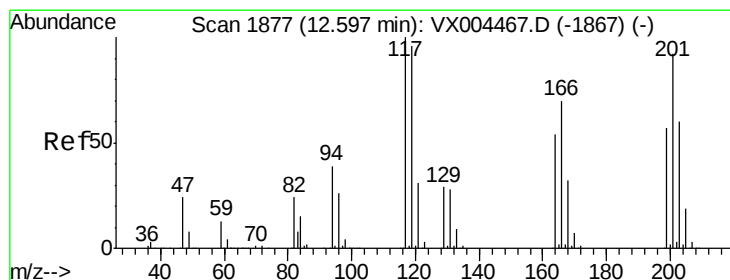
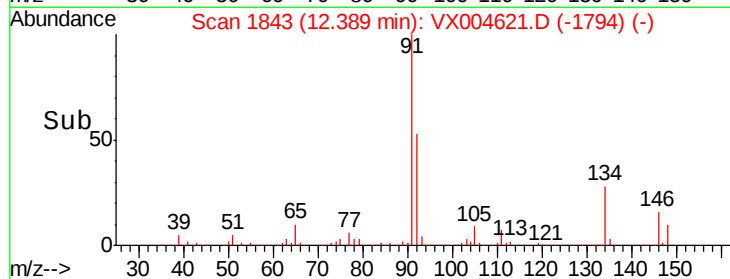
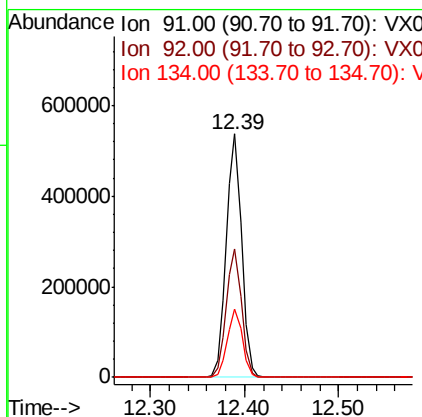
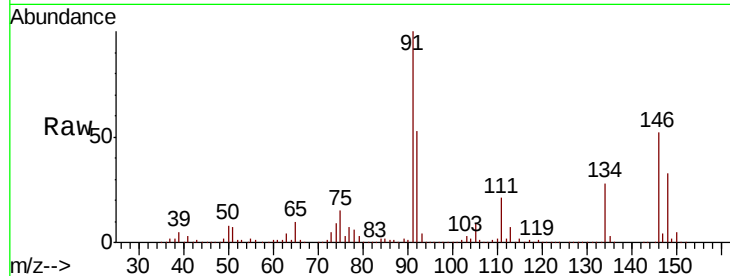
#89
n-Butylbenzene
Concen: 58.67 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	608123		
92	52.7		27.3	81.9
134	27.5		13.6	40.7

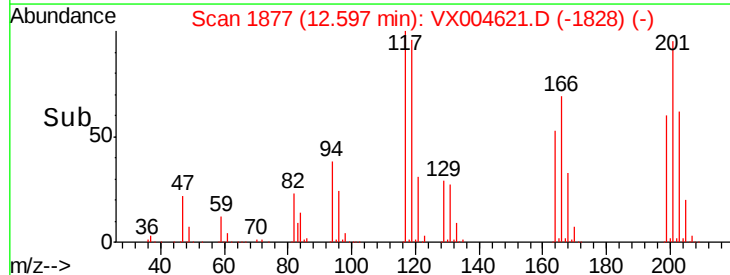
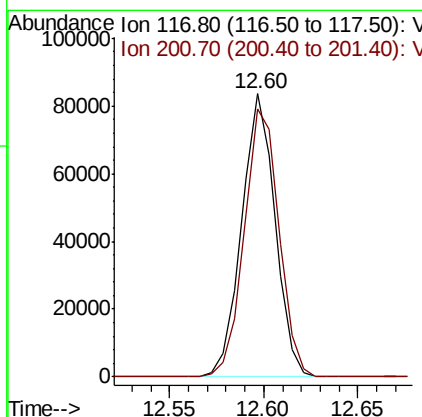
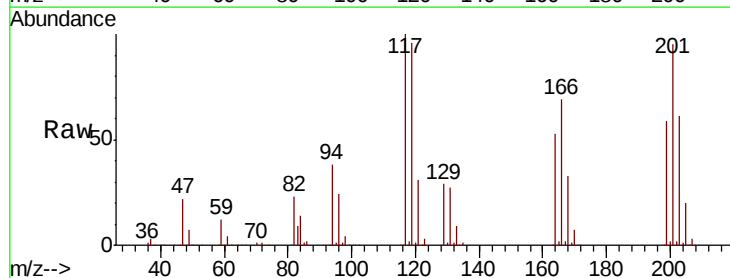
Manual Integrations
APPROVED

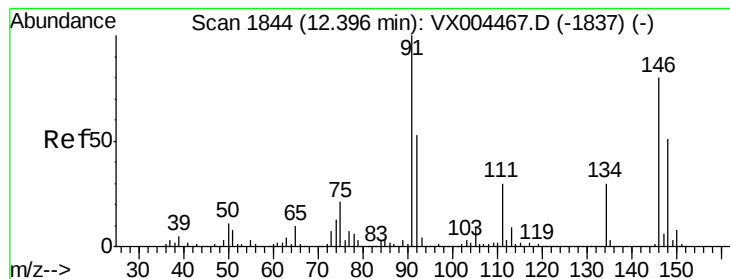
MMDadoda
9/18/2018 4:03:00 PM



#90
Hexachloroethane
Concen: 56.48 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	102852		
201	98.3		46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 53.90 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 146 Resp: 355316

Ion Ratio Lower Upper

146 100

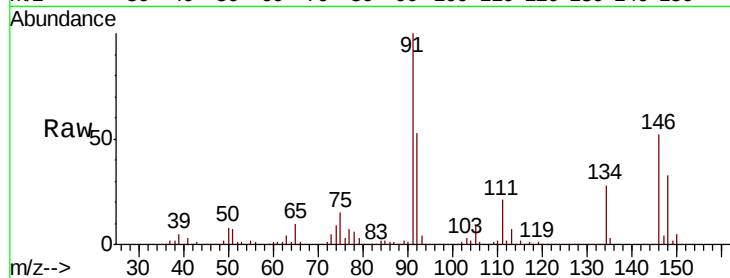
111 39.0 19.4 58.1

148 64.3 32.8 98.3

Manual Integrations
APPROVED

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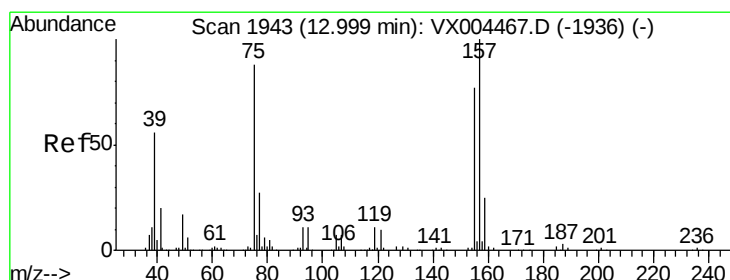
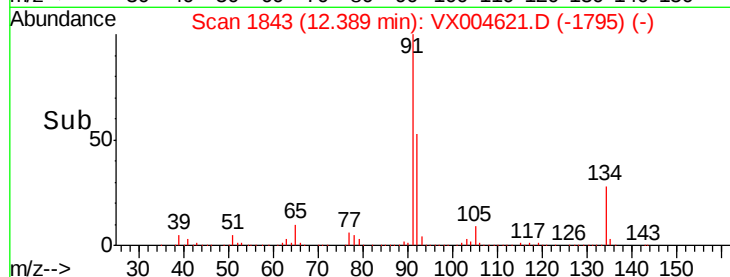
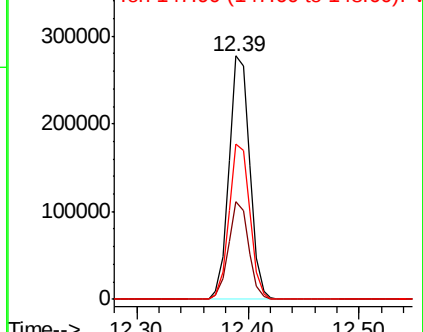
9/18/2018 4:03:00 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.28 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004621.D

Acq: 17 Sep 2018 15:47

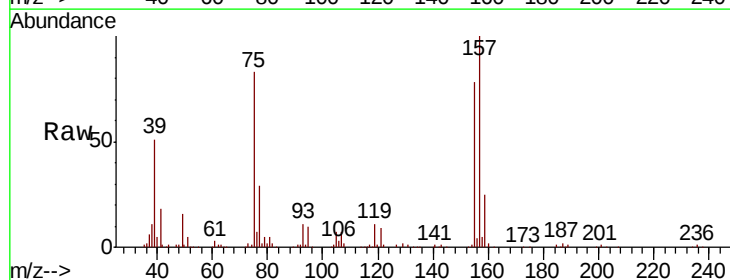
Tgt Ion: 75 Resp: 45476

Ion Ratio Lower Upper

75 100

155 98.9 48.0 144.2

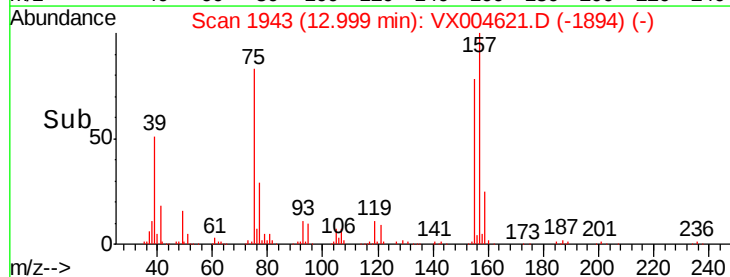
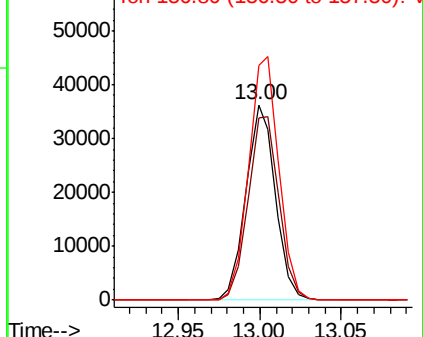
157 128.5 61.4 184.1

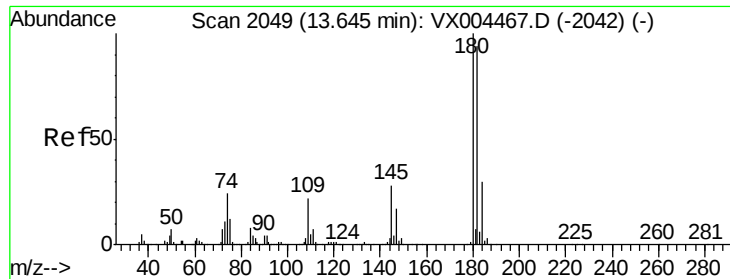


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





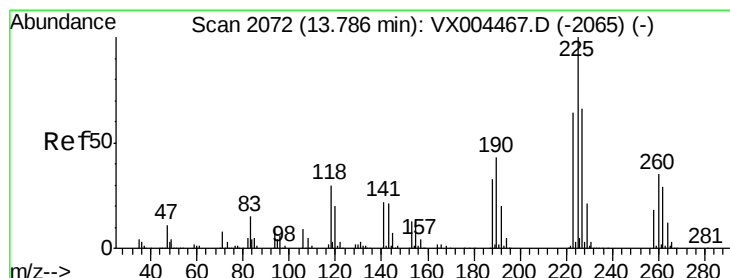
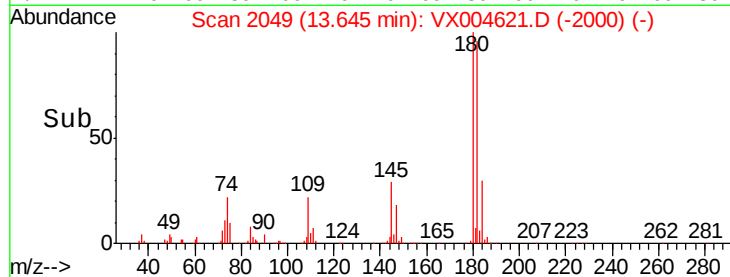
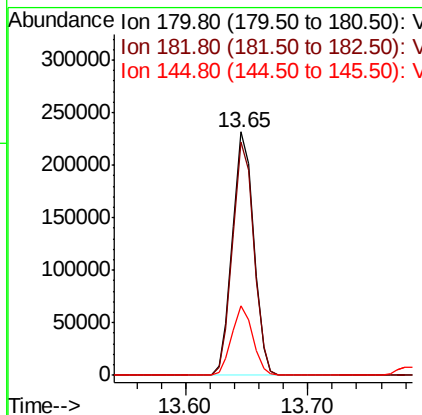
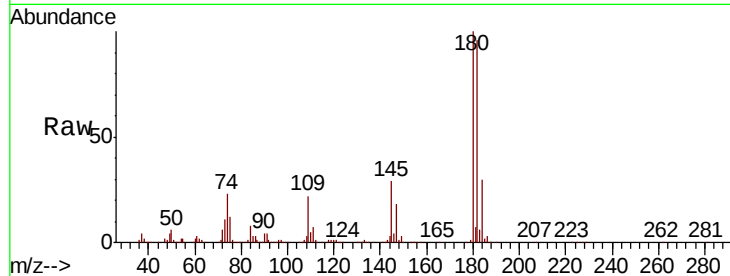
#93
 1,2,4-Trichlorobenzene
 Concen: 59.48 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	277645		
182	95.9	48.4	145.0	
145	28.0	14.3	42.9	

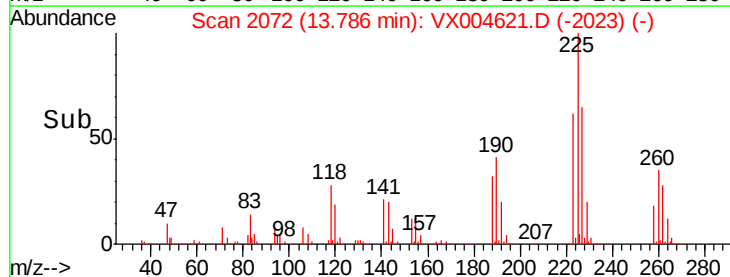
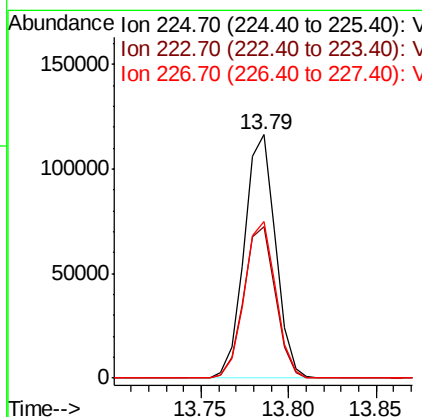
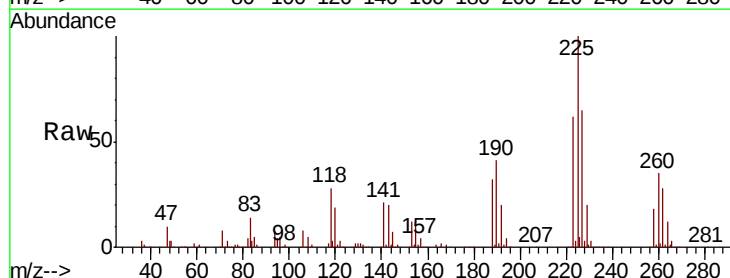
Manual Integrations
 APPROVED

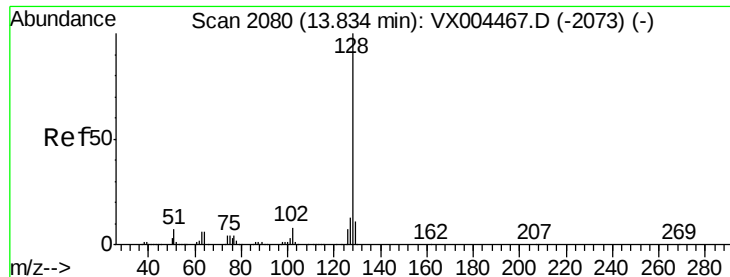
MMDadoda
 9/18/2018 4:03:00 PM



#94
 Hexachlorobutadiene
 Concen: 59.24 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004621.D
 Acq: 17 Sep 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144439		
223	62.9	30.1	90.5	
227	64.5	30.8	92.4	





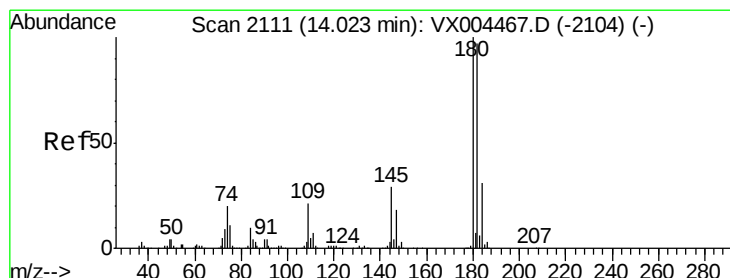
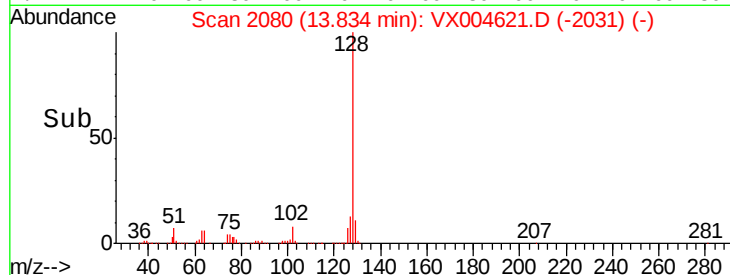
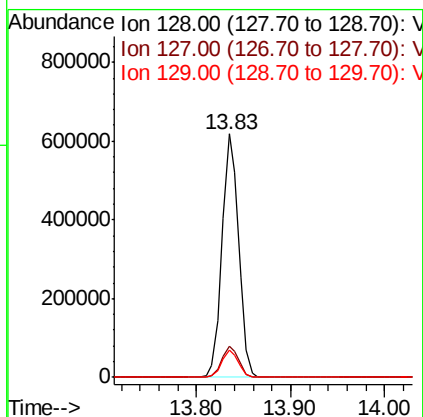
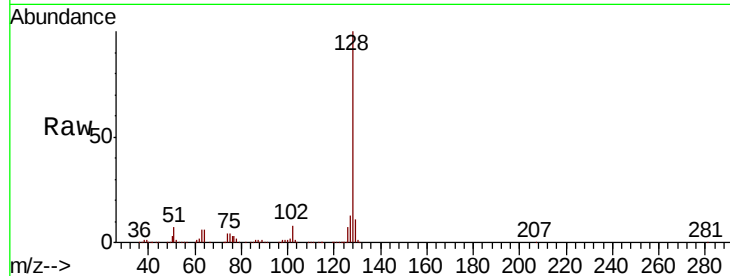
#95
Naphthalene
Concen: 57.69 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	755281
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/18/2018 4:03:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.37 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004621.D
Acq: 17 Sep 2018 15:47

Tgt Ion:	180	Resp:	275106
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.5	145.6
145	29.5	14.9	44.9

