

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003262.D
 Acq On : 09 Jul 2018 23:37
 Operator : JC/MD
 Sample : VX0709WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Manual Integrations
 APPROVED

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 7/10/2018 3:11:56 PM

Quant Time: Jul 10 01:24:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319668	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	197213	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	5.51	113	165898	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	8.72	98	616809	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.14	95	225270	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81236	21.01	ug/l	99
3) Chloromethane	1.32	50	67456	19.19	ug/l	96
4) Vinyl Chloride	1.40	62	71977	19.95	ug/l	98
5) Bromomethane	1.64	94	28201	26.72	ug/l	96
6) Chloroethane	1.72	64	42021	21.02	ug/l	100
7) Trichlorofluoromethane	1.93	101	109749	20.46	ug/l	99
8) Diethyl Ether	2.19	74	39533	20.39	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63974	20.37	ug/l	96
10) Methyl Iodide	2.51	142	62069	21.53	ug/l	97
11) Tert butyl alcohol	3.08	59	81628	112.49	ug/l	99
12) 1,1-Dichloroethene	2.37	96	56703	19.84	ug/l	90
13) Acrolein	2.29	56	52999	90.64	ug/l	98
14) Allyl chloride	2.73	41	105027	19.84	ug/l	95
15) Acrylonitrile	3.15	53	170679	105.34	ug/l	98
16) Acetone	2.45	43	155732	109.60	ug/l	95
17) Carbon Disulfide	2.57	76	155188	19.54	ug/l	97
18) Methyl Acetate	2.78	43	90790	22.65	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	190497	19.96	ug/l	99
20) Methylene Chloride	2.86	84	63760	21.49	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	62579	20.54	ug/l	91
22) Diisopropyl ether	3.88	45	213293	19.80	ug/l	97
23) Vinyl Acetate	3.83	43	874110	95.60	ug/l	98
24) 1,1-Dichloroethane	3.70	63	113814	20.30	ug/l	99
25) 2-Butanone	4.71	43	263502	104.80	ug/l	97
26) 2,2-Dichloropropane	4.59	77	67289	13.72	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	72208	19.29	ug/l	97
28) Bromochloromethane	5.03	49	59283	20.99	ug/l	89
29) Tetrahydrofuran	5.17	42	166828	102.23	ug/l	96
30) Chloroform	5.22	83	122845	19.92	ug/l	98
31) Cyclohexane	5.57	56	103823	19.78	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	107630	19.79	ug/l	98
36) 1,1-Dichloropropene	5.81	75	87951	19.44	ug/l	96
37) Ethyl Acetate	4.87	43	99119	19.98	ug/l	97
38) Carbon Tetrachloride	5.79	117	97114	19.62	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: Jul 10 01:24:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	101850	19.10	ug/l	95
40) Benzene	6.15	78	269390	20.09	ug/l	99
41) Methacrylonitrile	5.07	41	56442	20.78	ug/l	96
42) 1,2-Dichloroethane	6.20	62	99076	19.77	ug/l	98
43) Isopropyl Acetate	6.47	43	156079	20.04	ug/l	97
44) Trichloroethene	7.21	130	79194	19.97	ug/l	99
45) 1,2-Dichloropropane	7.52	63	70235	20.14	ug/l	98
46) Dibromomethane	7.67	93	47084	19.81	ug/l	94
47) Bromodichloromethane	7.90	83	87182	19.88	ug/l	98
48) Methyl methacrylate	7.78	41	79737	19.96	ug/l	92
49) 1,4-Dioxane	7.76	88	35041	419.45	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	510430	105.25	ug/l	97
52) Toluene	8.79	92	172011	20.29	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	96504	18.70	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	87359	18.60	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	69485	19.76	ug/l	98
56) Ethyl methacrylate	9.18	69	94903	19.70	ug/l	93
57) 1,3-Dichloropropane	9.38	76	112405	19.84	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	247526	106.53	ug/l	97
59) 2-Hexanone	9.50	43	394359	107.05	ug/l	96
60) Dibromochloromethane	9.59	129	71964	19.60	ug/l	99
61) 1,2-Dibromoethane	9.68	107	73360	19.90	ug/l	97
64) Tetrachloroethene	9.34	164	93057	20.32	ug/l	97
65) Chlorobenzene	10.14	112	202289	19.66	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	73896	19.90	ug/l	100
67) Ethyl Benzene	10.26	91	329052	19.77	ug/l	100
68) m/p-Xylenes	10.36	106	260862	40.29	ug/l	97
69) o-Xylene	10.70	106	124836	19.90	ug/l	96
70) Styrene	10.71	104	200781	19.74	ug/l	99
71) Bromoform	10.86	173	56998	18.66	ug/l	99
73) Isopropylbenzene	11.02	105	337075	20.38	ug/l	99
74) N-amyl acetate	6.47	43	156079	19.78	ug/l	# 97
75) 1,1,2,2-Tetrachloroethane	11.27	83	103839	20.24	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	101652m	22.45	ug/l	
77) Bromobenzene	11.26	156	96214	20.15	ug/l	95
78) n-propylbenzene	11.37	91	375576	20.42	ug/l	98
79) 2-Chlorotoluene	11.43	91	225416	20.12	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	282273	20.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	24291	17.54	ug/l	97
82) 4-Chlorotoluene	11.51	91	264988	20.26	ug/l	98
83) tert-Butylbenzene	11.77	119	275981	20.06	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	290766	20.62	ug/l	98
85) sec-Butylbenzene	11.95	105	327400	20.13	ug/l	98
86) p-Isopropyltoluene	12.07	119	293951	19.84	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	172233	19.66	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	173686	19.58	ug/l	99
89) n-Butylbenzene	12.39	91	238494	19.27	ug/l	99
90) Hexachloroethane	12.60	117	41201	18.22	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	173566	19.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21271	19.33	ug/l	92

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ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

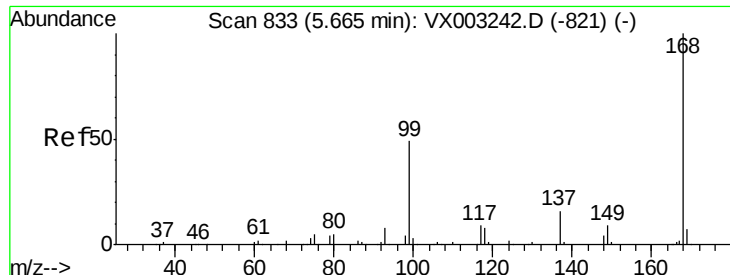
Manual Integrations
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Quant Time: Jul 10 01:24:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	127231	19.87	ug/l	99
94) Hexachlorobutadiene	13.79	225	62242	19.53	ug/l	99
95) Naphthalene	13.84	128	350195	20.91	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	128402	20.11	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion:168 Resp: 254321

Ion Ratio Lower Upper

168 100

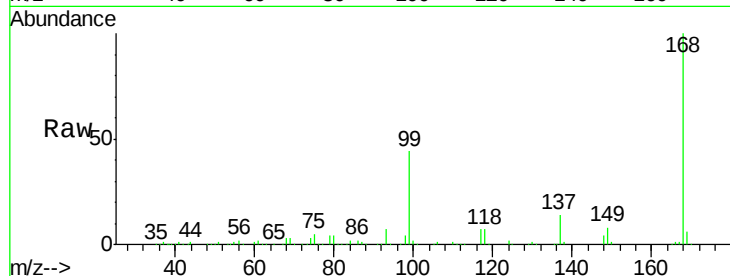
99 43.8 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

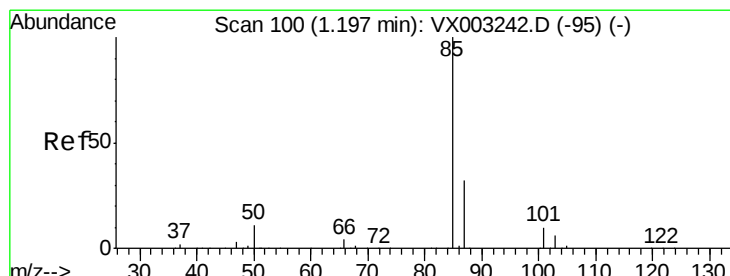
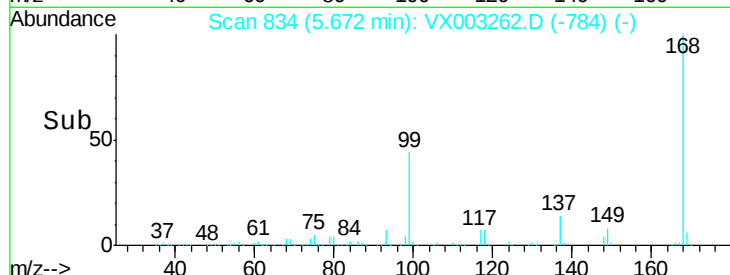
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 21.01 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003262.D

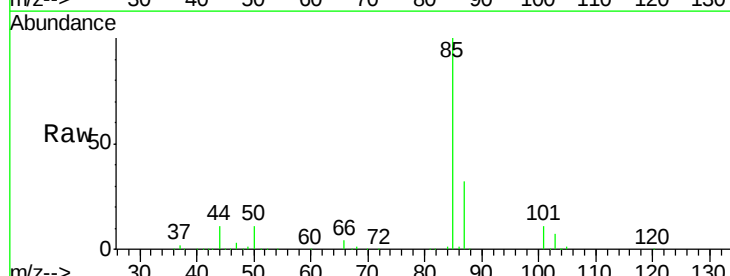
Acq: 09 Jul 2018 23:37

Tgt Ion: 85 Resp: 81236

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

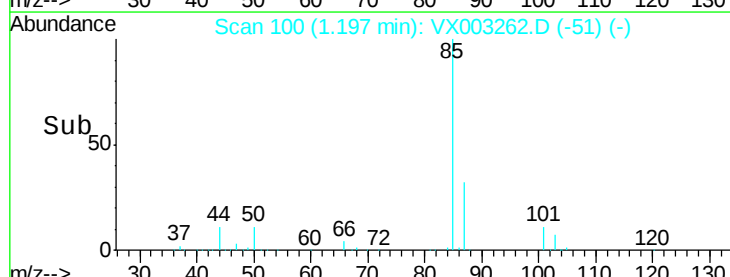
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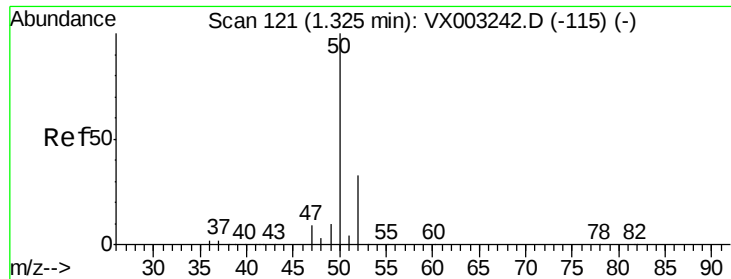
40000

20000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 19.19 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 50 Resp: 67456

Ion Ratio Lower Upper

50 100

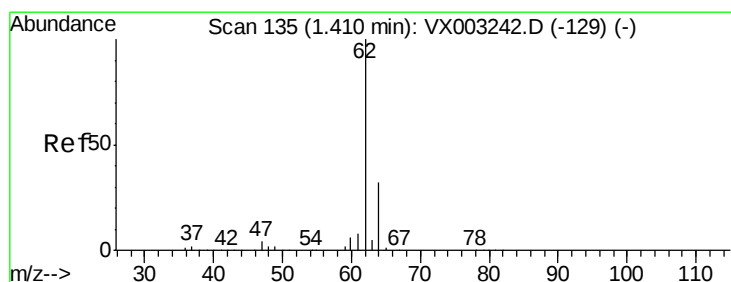
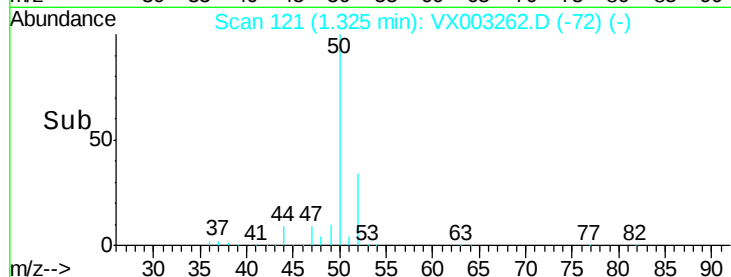
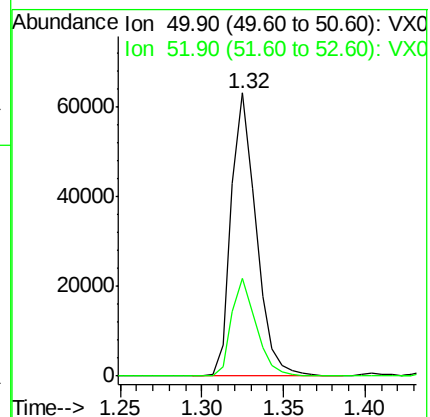
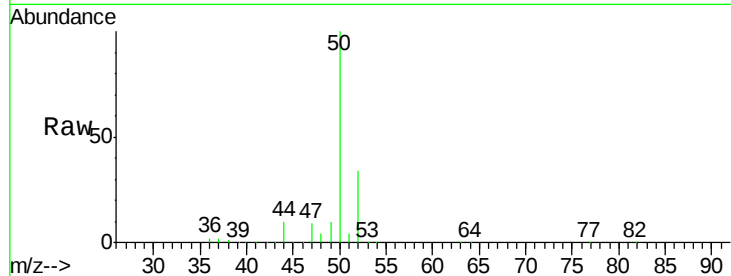
52 34.4 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.95 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003262.D

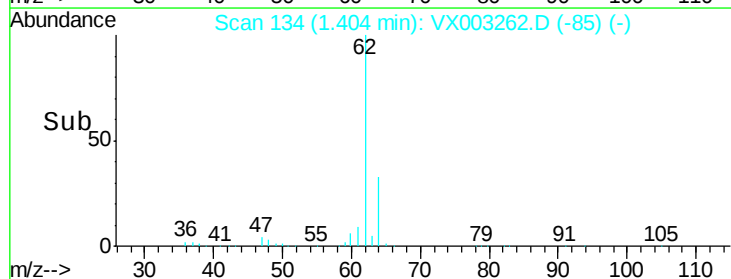
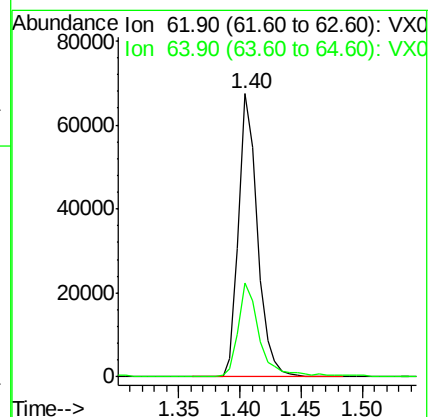
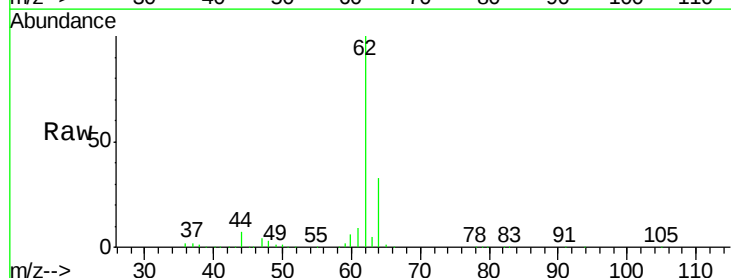
Acq: 09 Jul 2018 23:37

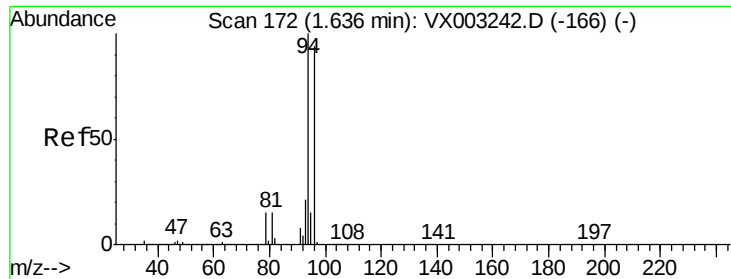
Tgt Ion: 62 Resp: 71977

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.2





#5

Bromomethane

Concen: 26.72 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 94 Resp: 28201

Ion Ratio Lower Upper

94 100

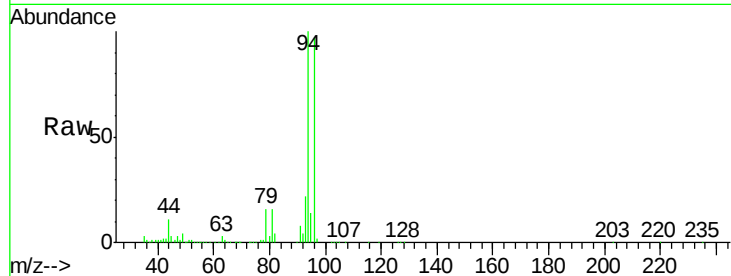
96 97.0 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

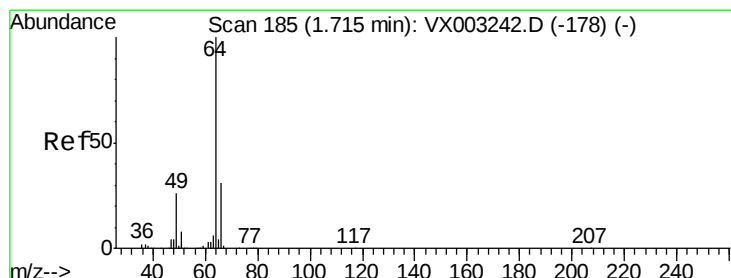
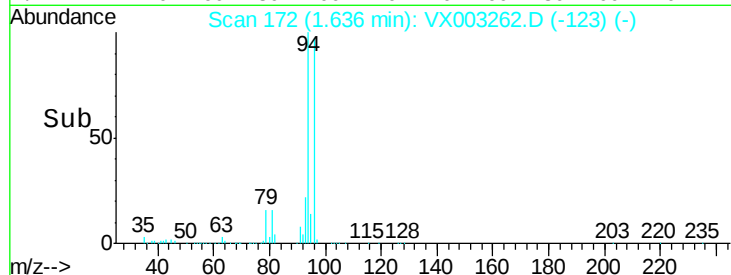
30000

20000

10000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 21.02 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003262.D

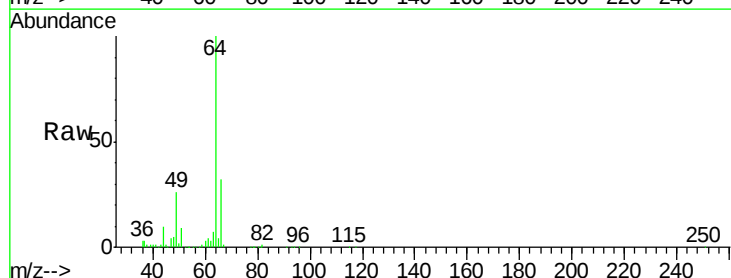
Acq: 09 Jul 2018 23:37

Tgt Ion: 64 Resp: 42021

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

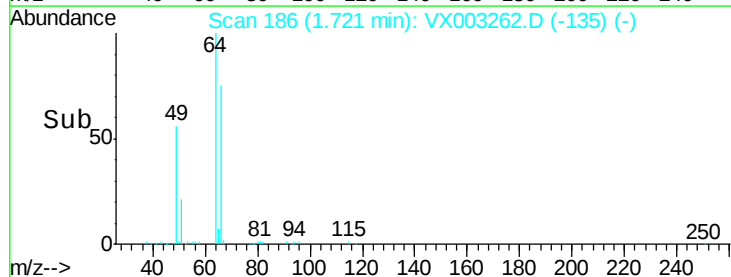
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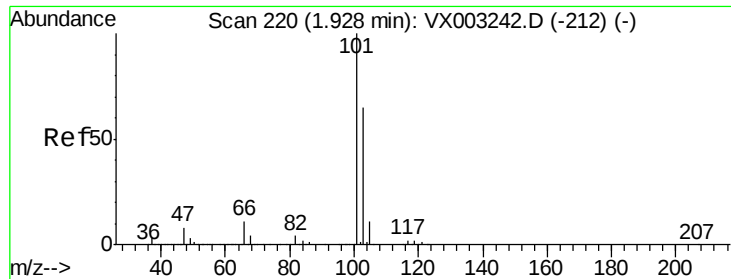
20000

10000

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Time--> 1.65 1.70 1.75 1.80





#7

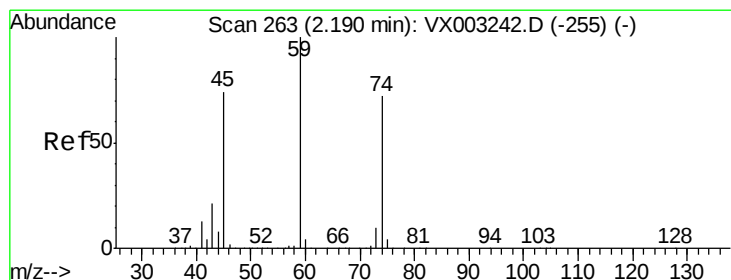
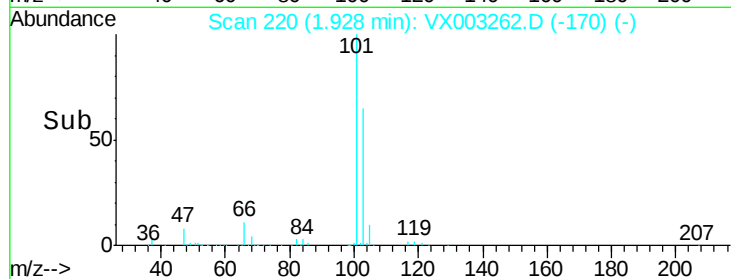
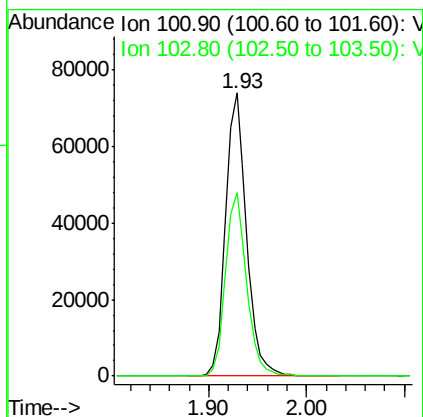
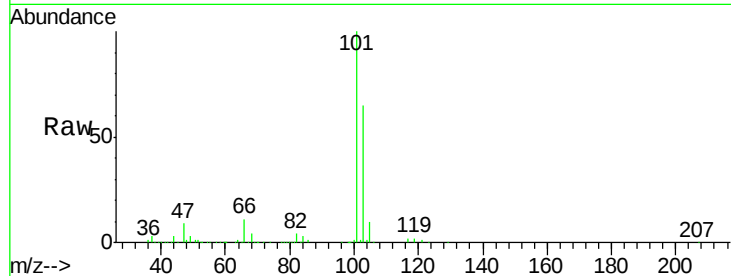
Trichlorofluoromethane
Concen: 20.46 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
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ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.8	79.2

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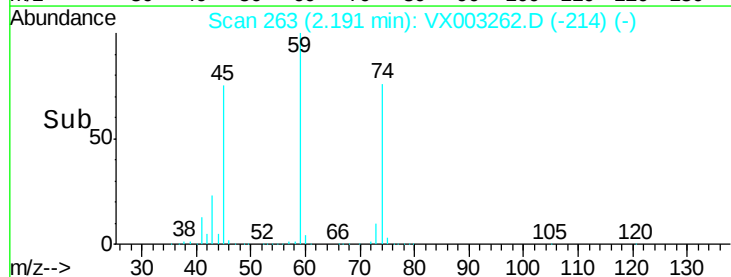
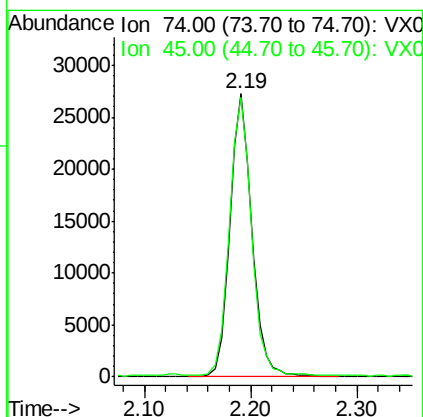
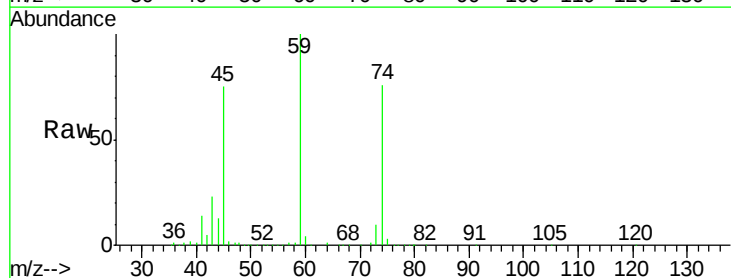
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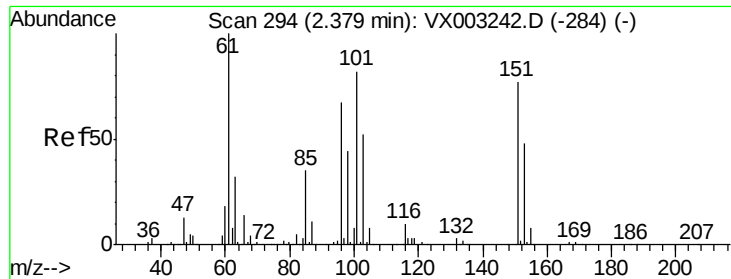


#8

Diethyl Ether
Concen: 20.39 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.37 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

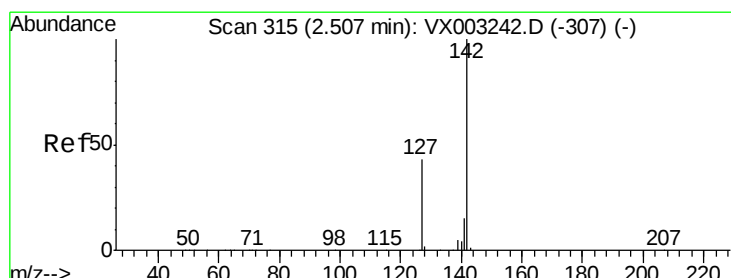
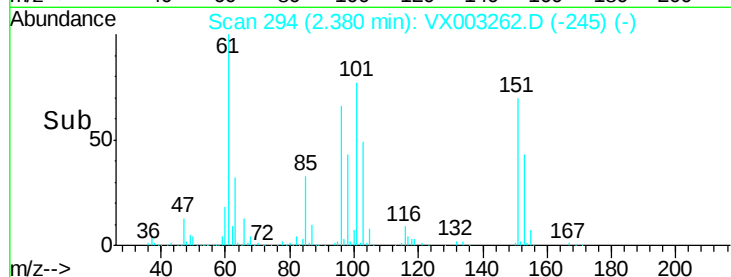
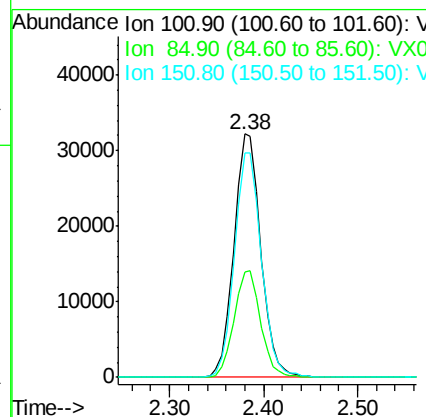
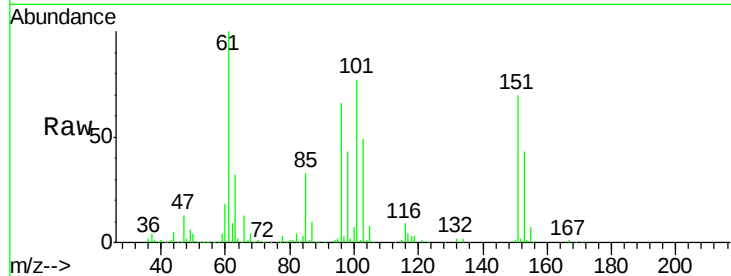
ClientSampleId :

VX0709WBSD01

Tot Ion:	101	Resp:	63974
Ion Ratio	Lower	Upper	
101	100		
85	43.1	36.0	54.0
151	92.4	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 21.53 ug/l

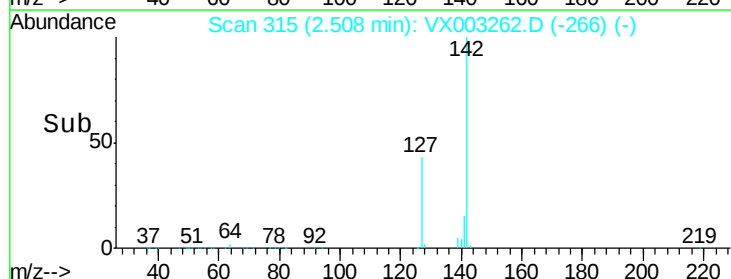
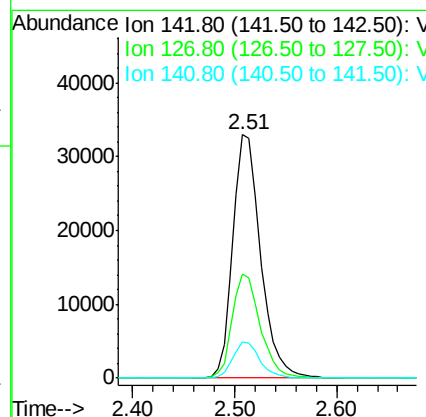
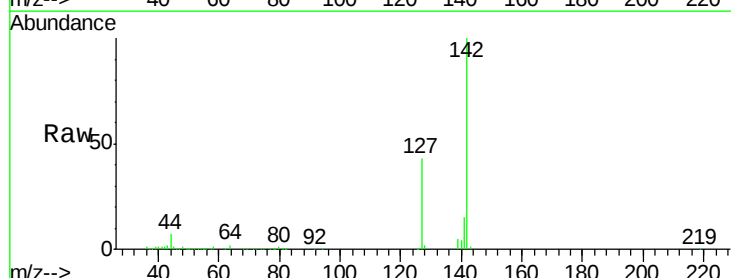
RT: 2.51 min Scan# 315

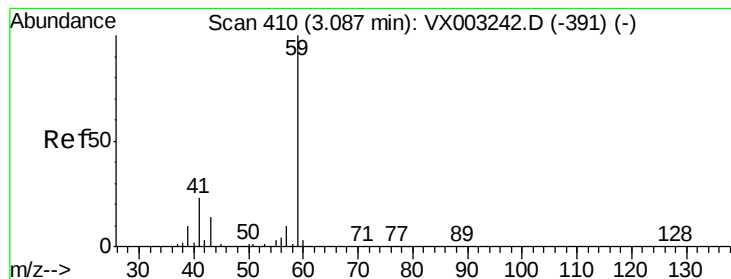
Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Tgt Ion:	142	Resp:	62069
Ion Ratio	Lower	Upper	
142	100		
127	43.2	36.6	55.0
141	14.5	11.3	16.9





#11

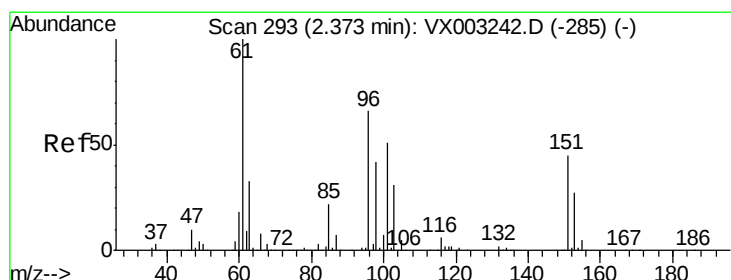
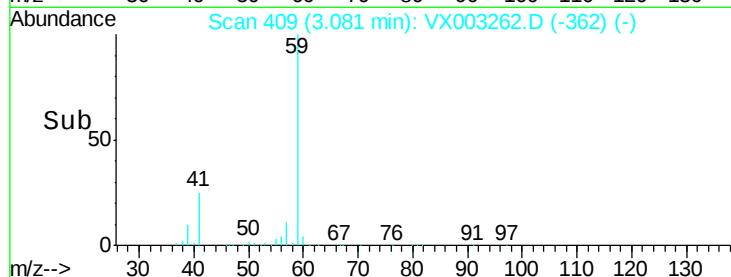
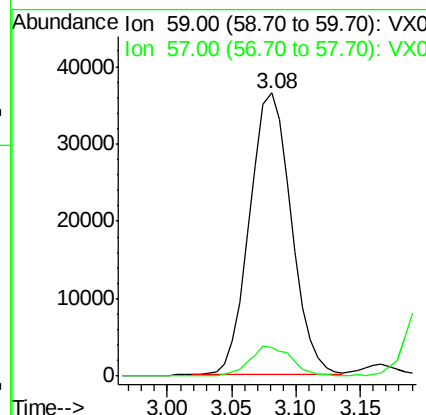
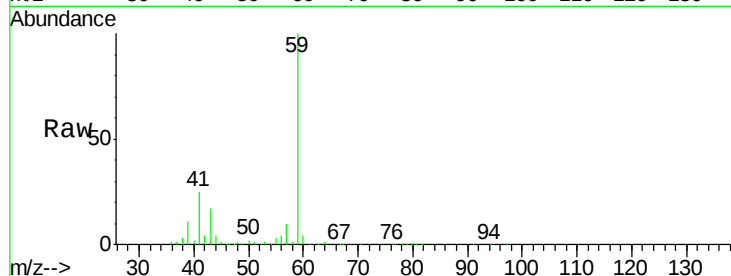
Tert butyl alcohol
Concen: 112.49 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	59	57	Ratio	100	10.5	Resp	81628	Lower	Upper
59	100								
57		10.5					8.2		12.2

Manual Integrations
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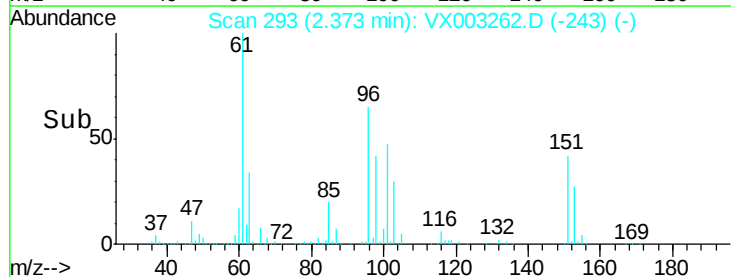
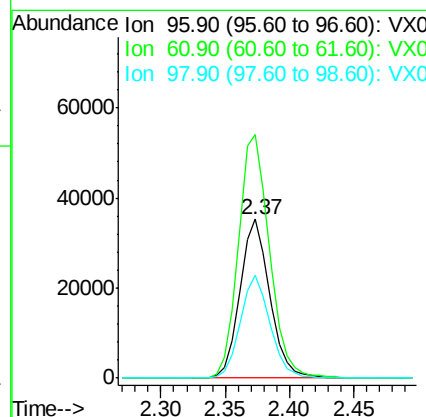
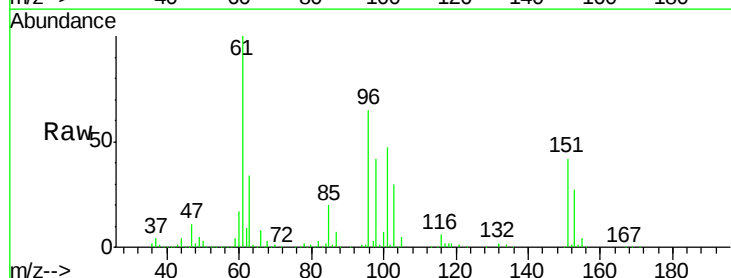
MMDadoda
7/10/2018 3:11:56 PM

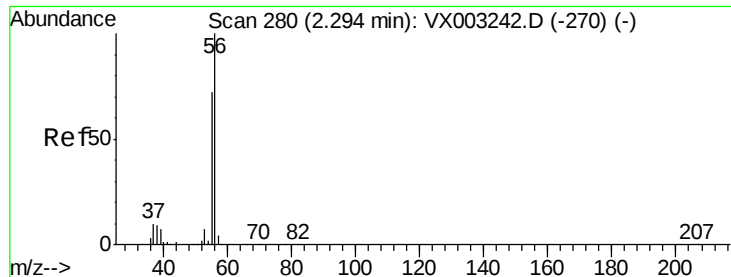


#12

1,1-Dichloroethene
Concen: 19.84 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion	96	61	98	Ratio	100	153.0	64.5	Resp	56703	Lower	Upper
96	100										
61		153.0								137.9	206.9
98		64.5								51.6	77.4





#13

Acrolein

Concen: 90.64 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 56 Resp: 52999

Ion Ratio Lower Upper

56 100

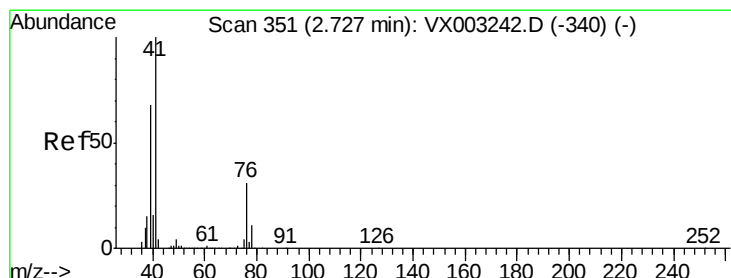
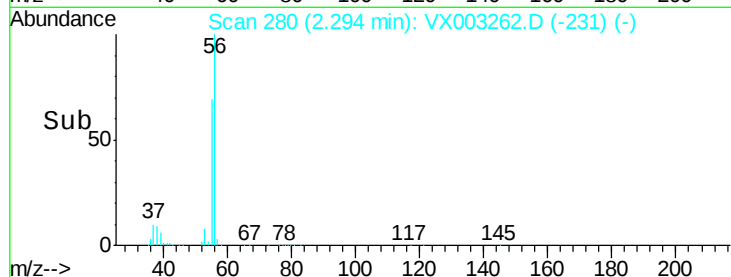
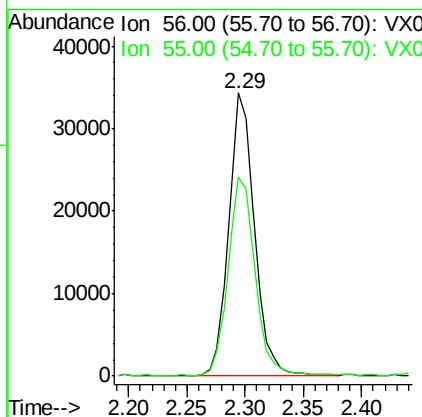
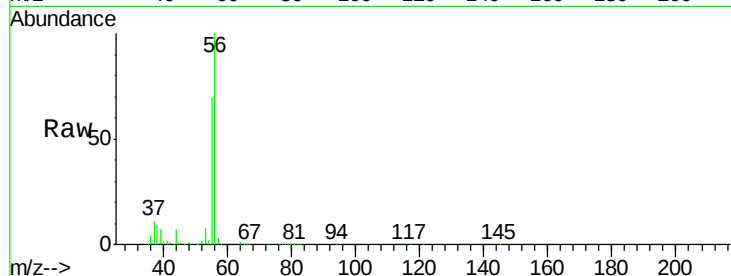
55 73.1 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.84 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

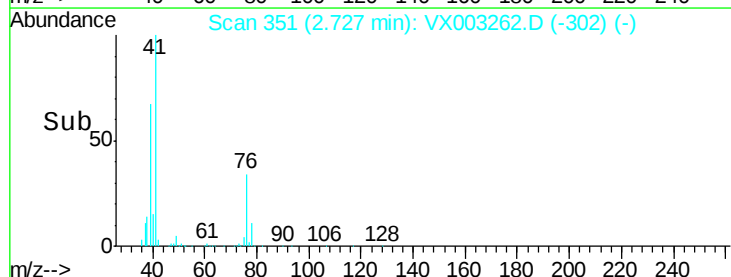
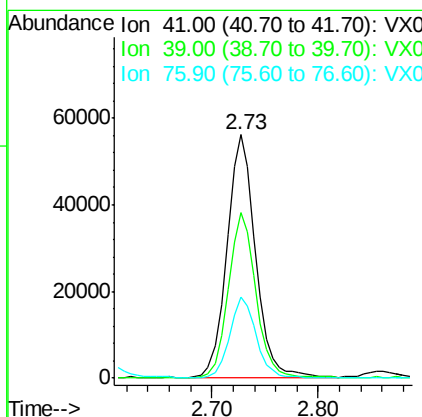
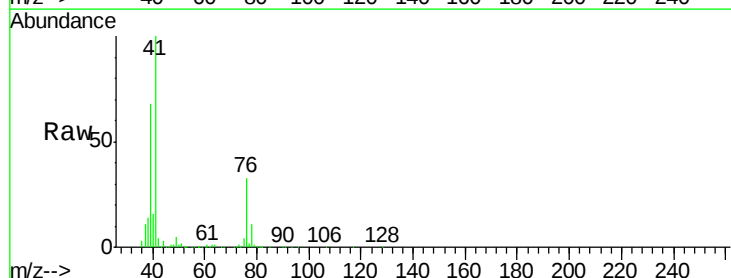
Tgt Ion: 41 Resp: 105027

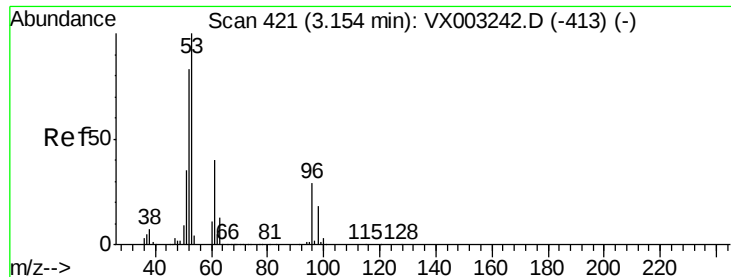
Ion Ratio Lower Upper

41 100

39 65.7 56.8 85.2

76 31.5 23.8 35.8





#15

Acrylonitrile

Concen: 105.34 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

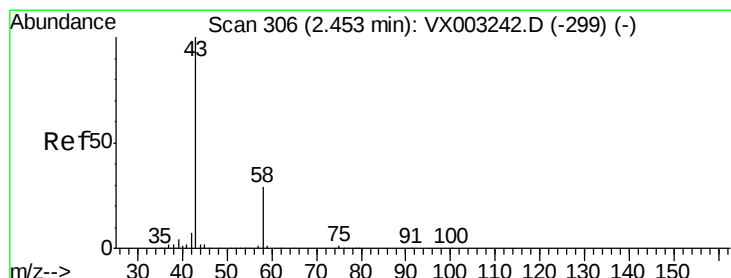
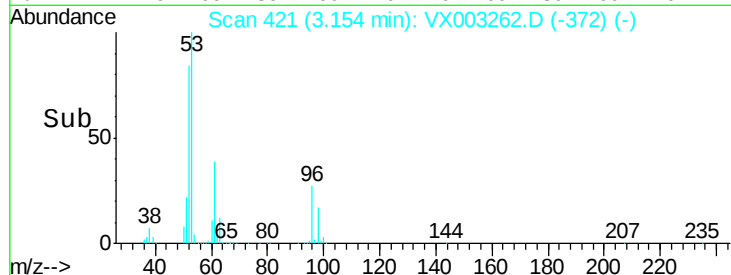
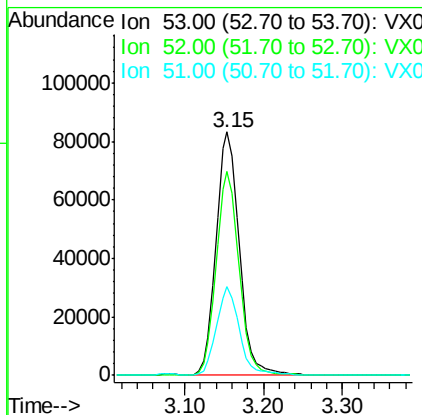
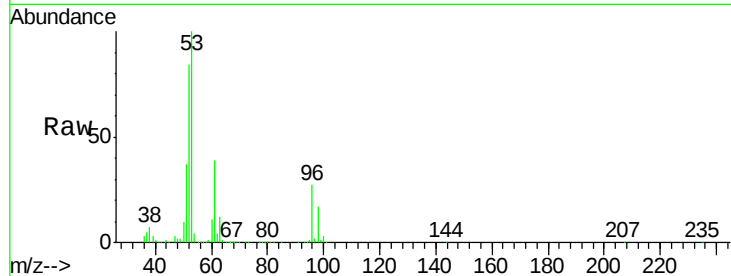
ClientSampleId :

VX0709WBSD01

Tot Ion:	53	Resp:	170679
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.7	100.1
51	35.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 109.60 ug/l

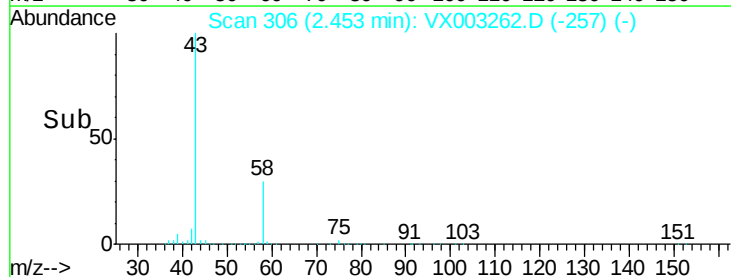
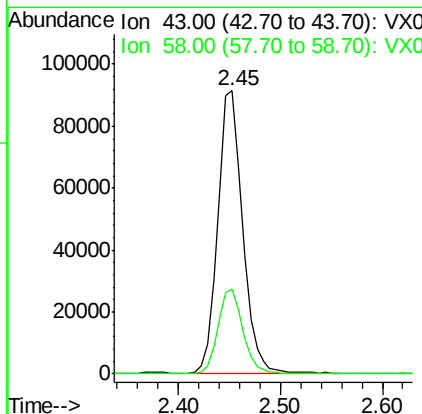
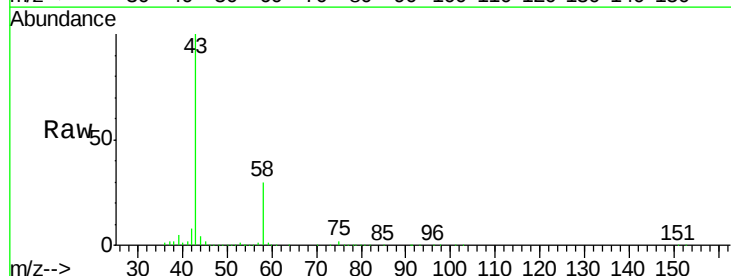
RT: 2.45 min Scan# 306

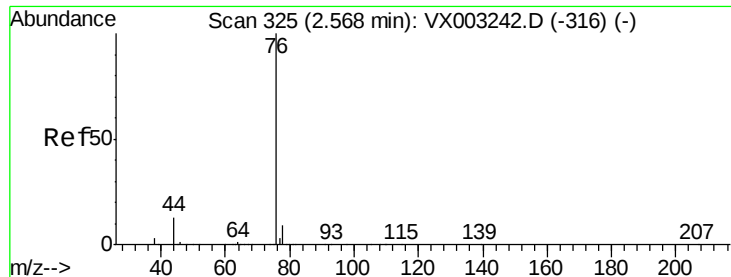
Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Tgt Ion:	43	Resp:	155732
Ion	Ratio	Lower	Upper
43	100		
58	30.3	22.1	33.1





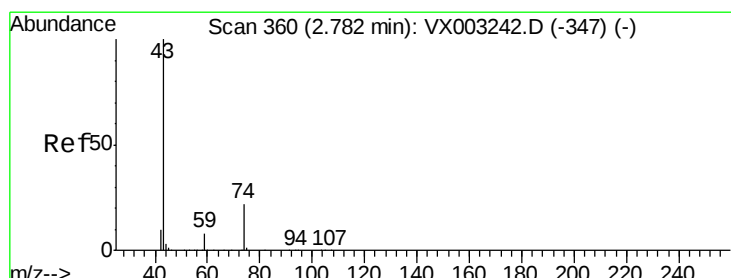
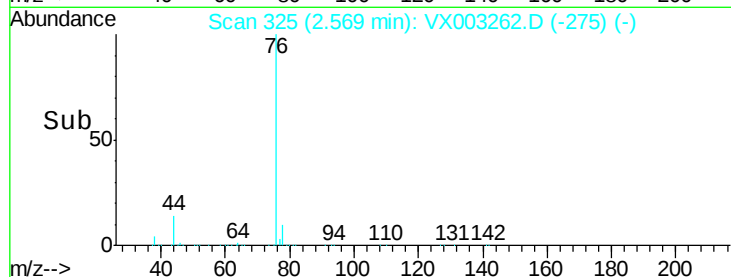
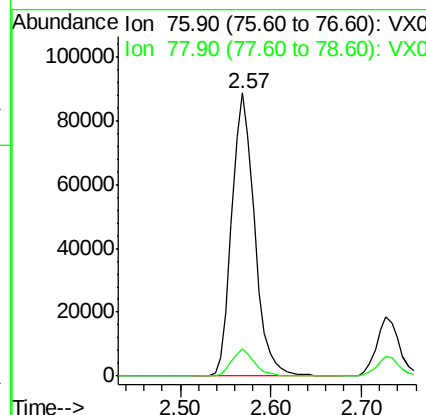
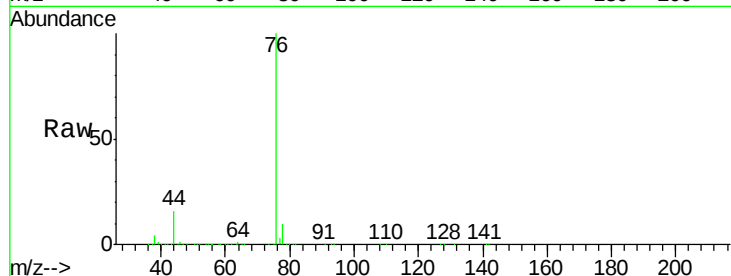
#17
Carbon Disulfide
Concen: 19.54 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.9	10.3

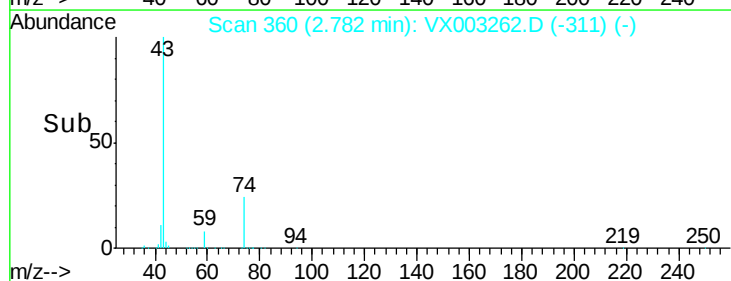
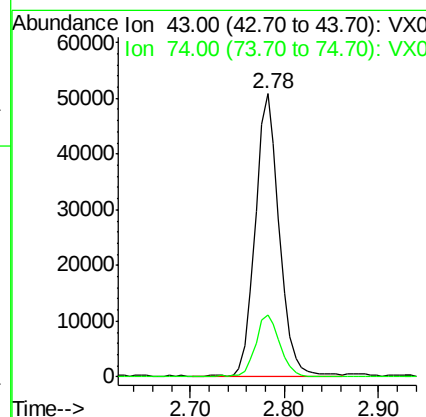
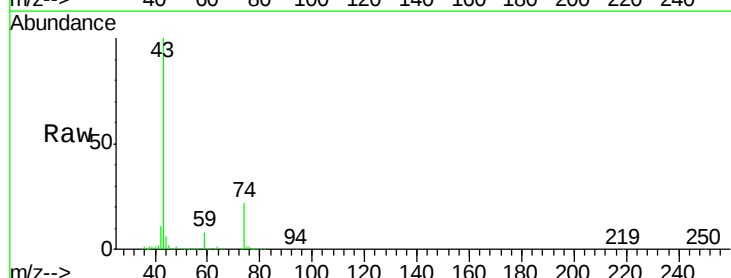
Manual Integrations
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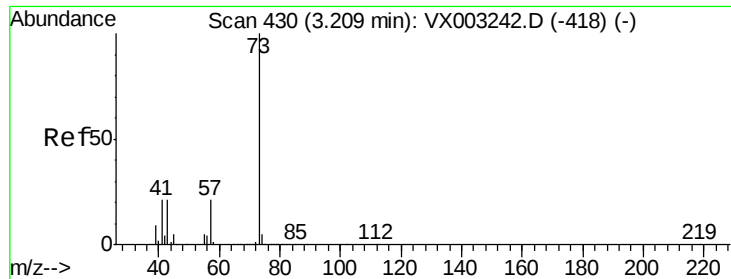
MMDadoda
7/10/2018 3:11:56 PM



#18
Methyl Acetate
Concen: 22.65 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	16.7	25.1





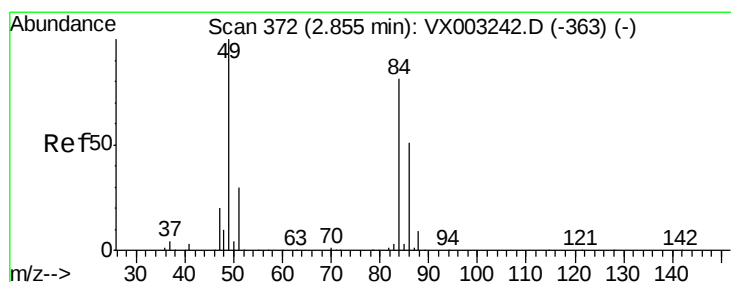
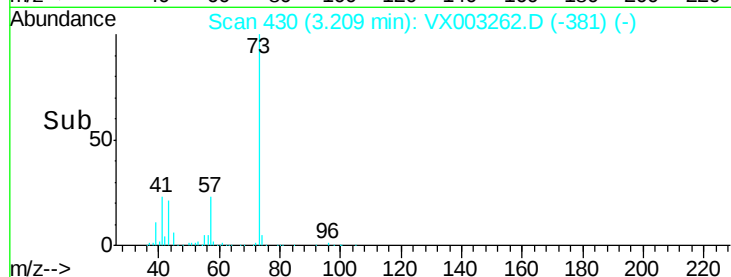
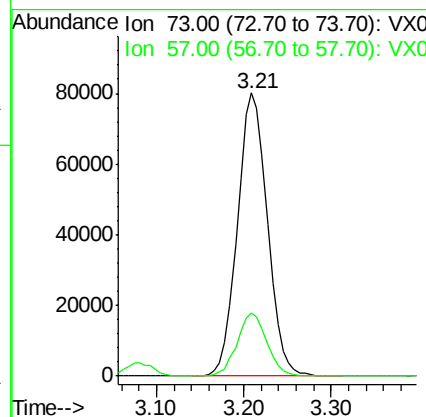
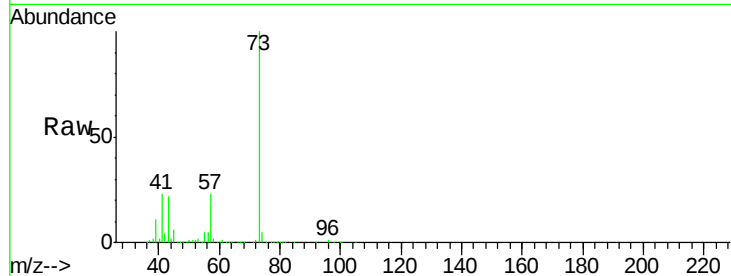
#19
Methvl tert-butvl Ether
Concen: 19.96 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion: 73 Resp: 190497
Ion Ratio Lower Upper
73 100
57 22.5 17.7 26.5

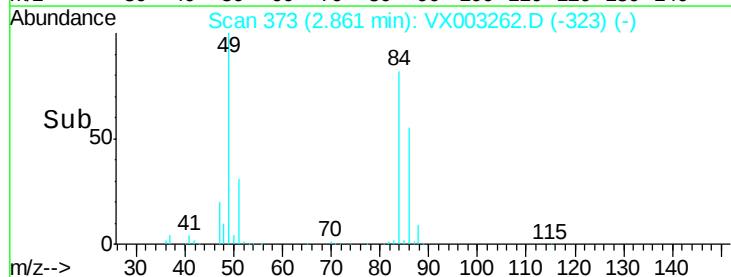
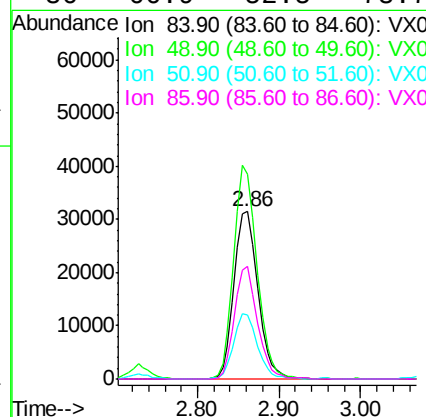
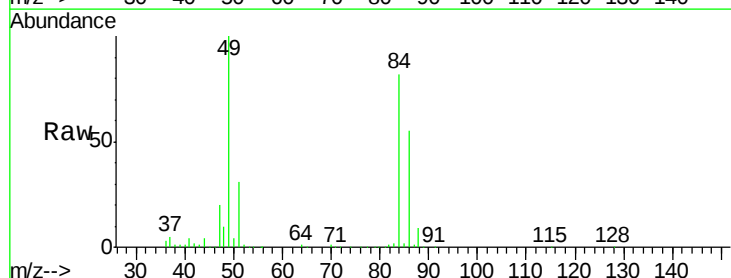
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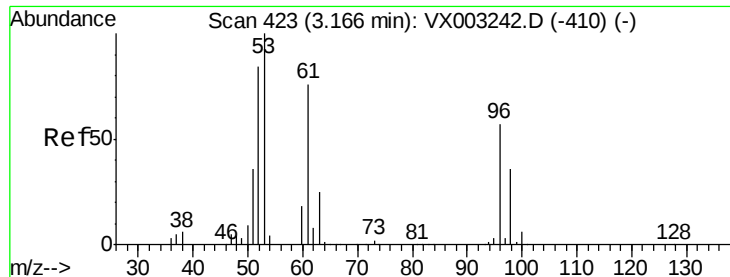
MMDadoda
7/10/2018 3:11:56 PM



#20
Methylene Chloride
Concen: 21.49 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion: 84 Resp: 63760
Ion Ratio Lower Upper
84 100
49 122.3 107.8 161.6
51 37.7 32.8 49.2
86 66.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.54 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

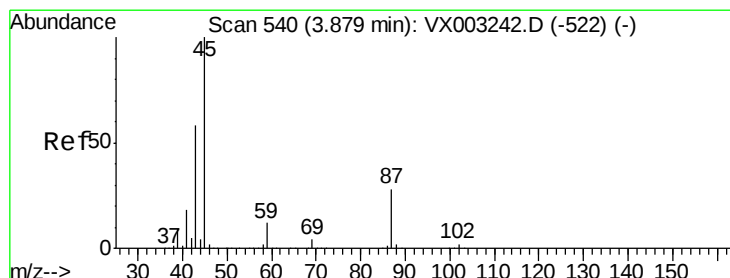
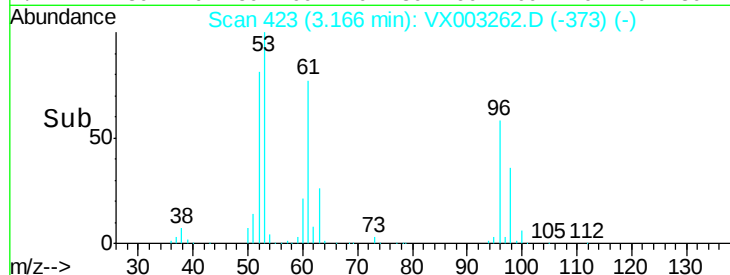
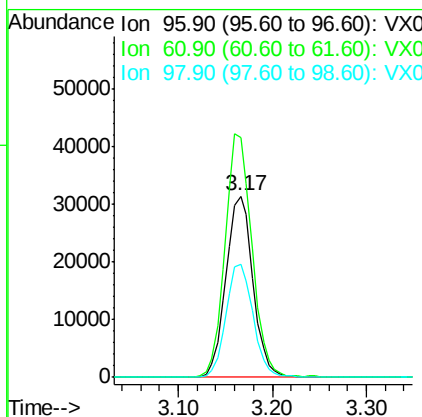
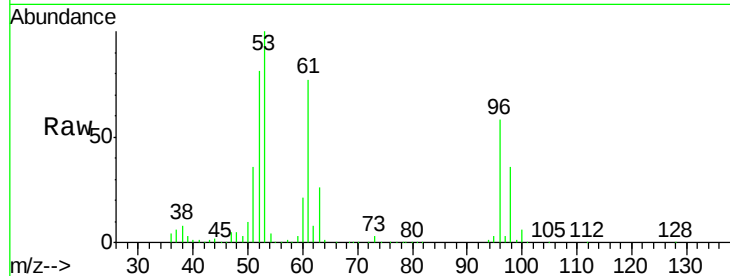
ClientSampleId :

VX0709WBSD01

Tot Ion:	96	Resp:	62579
Ion	Ratio	Lower	Upper
96	100		
61	132.4	117.0	175.4
98	62.4	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.80 ug/l

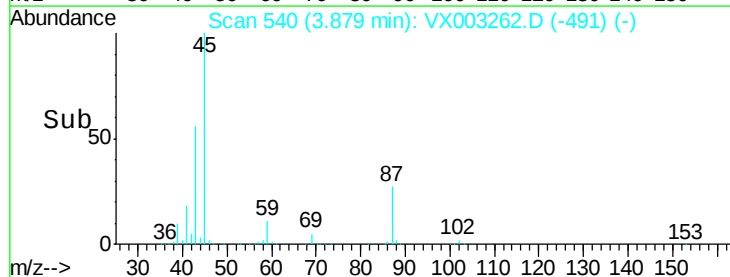
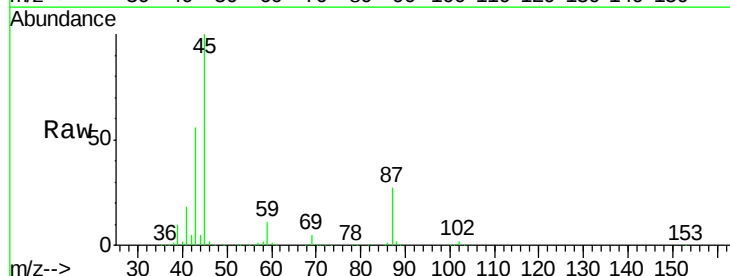
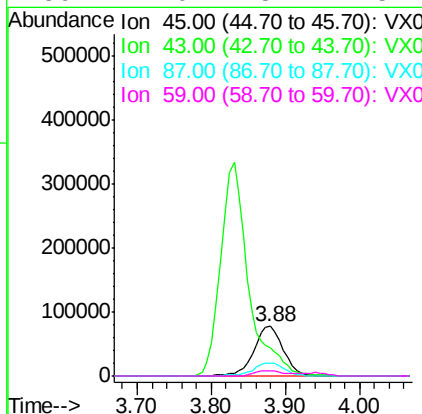
RT: 3.88 min Scan# 540

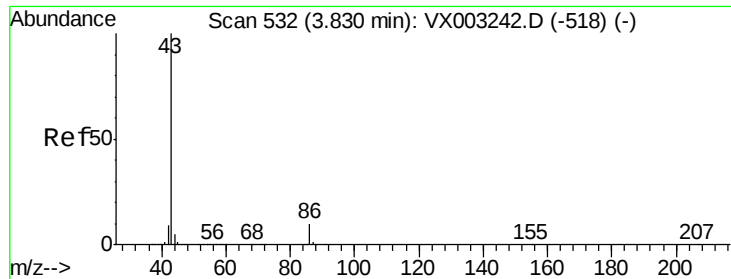
Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Tgt Ion:	45	Resp:	213293
Ion	Ratio	Lower	Upper
45	100		
43	55.6	46.8	70.2
87	26.6	20.2	30.4
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 95.60 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 43 Resp: 874110

Ion Ratio Lower Upper

43 100

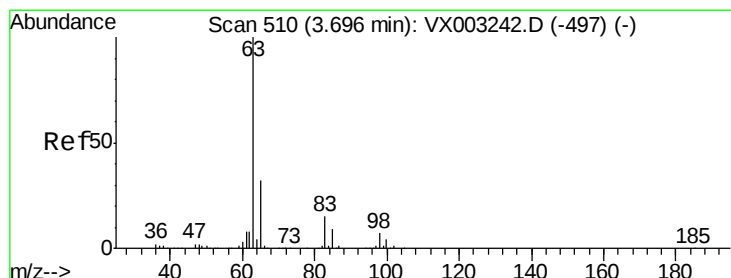
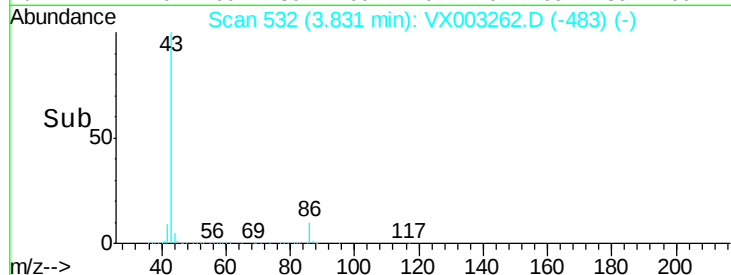
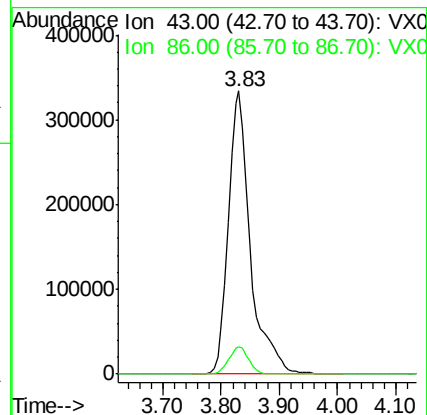
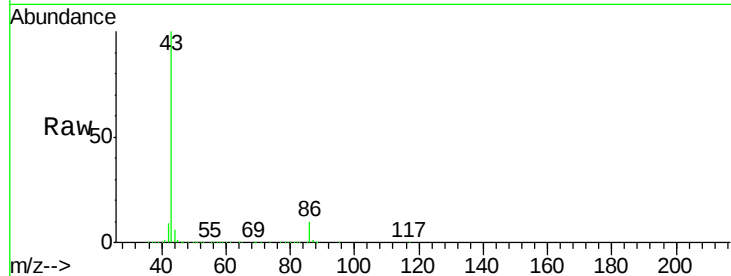
86 9.9 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.30 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

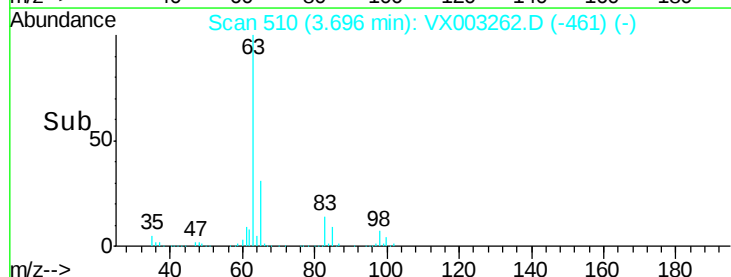
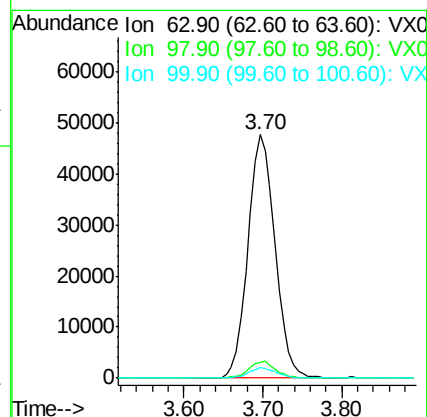
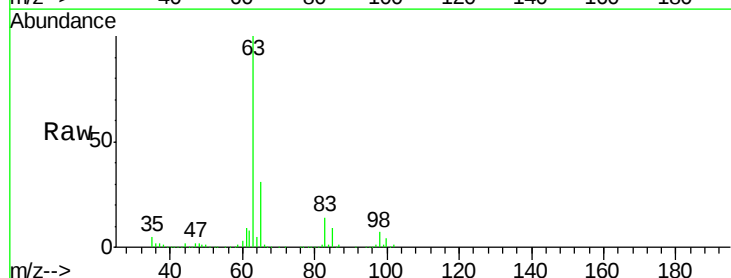
Tgt Ion: 63 Resp: 113814

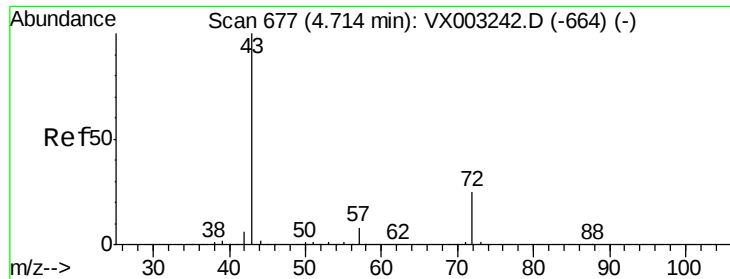
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 104.80 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Tot Ion: 43 Resp: 263502

Ion Ratio Lower Upper

43 100

72 24.7 18.5 27.7

Instrument :

MSVOA_X

ClientSampleId :

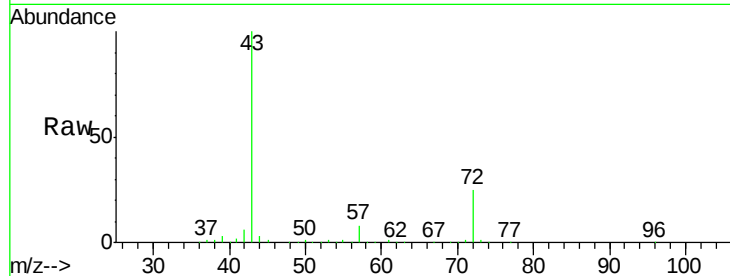
VX0709WBSD01

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

100000

80000

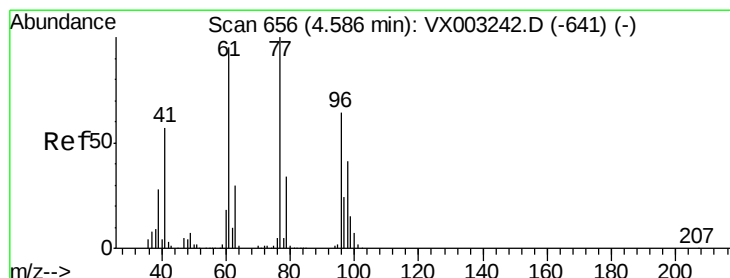
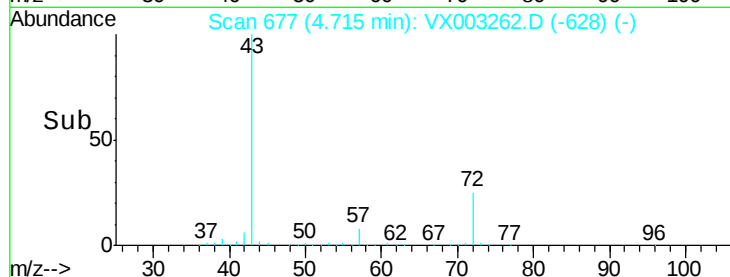
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 13.72 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003262.D

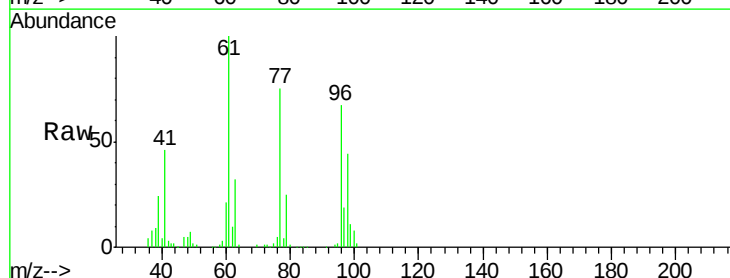
Acq: 09 Jul 2018 23:37

Tgt Ion: 77 Resp: 67289

Ion Ratio Lower Upper

77 100

97 24.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

25000

20000

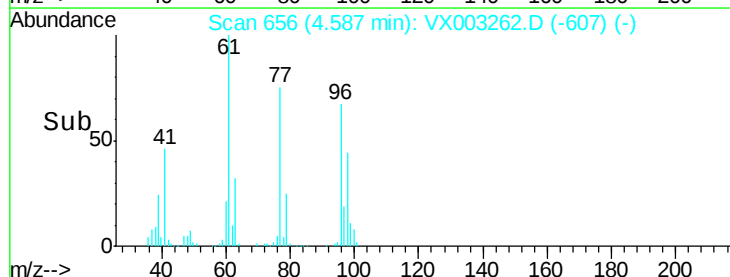
15000

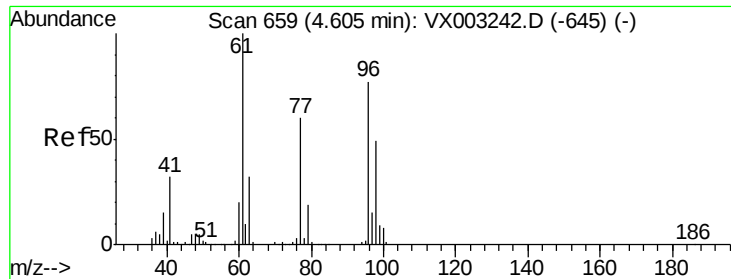
10000

5000

0

Time-->





#27

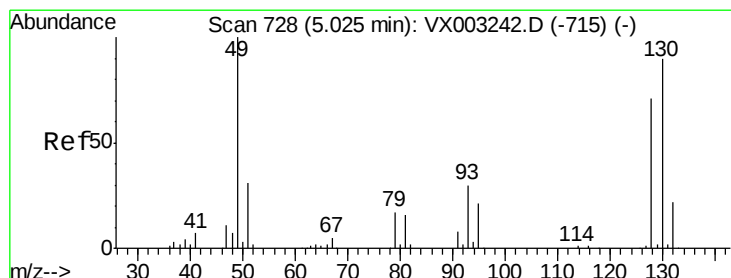
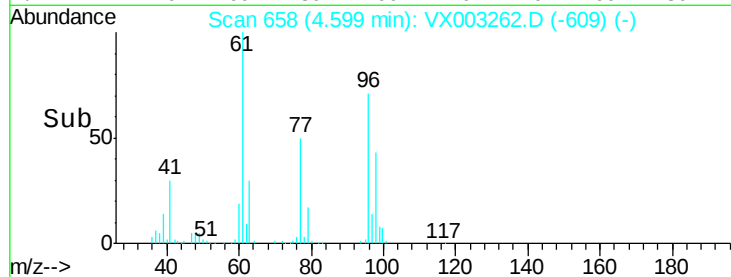
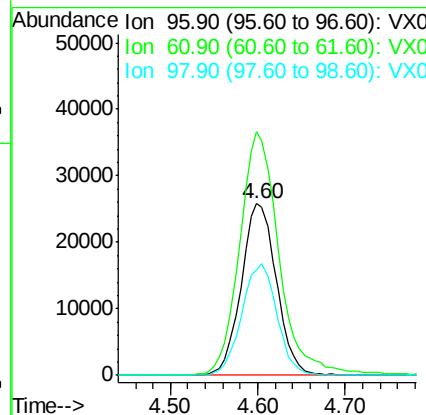
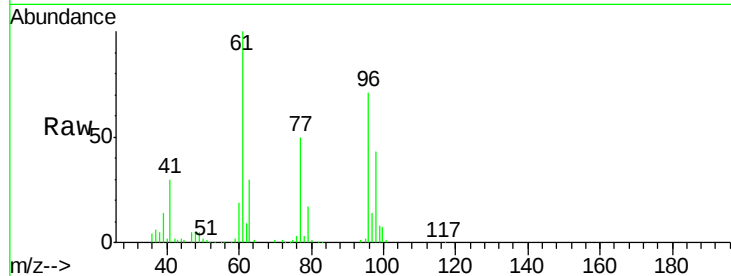
cis-1,2-Dichloroethene
 Concen: 19.29 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	330.2
98	65.0	0.0	130.2

Manual Integrations
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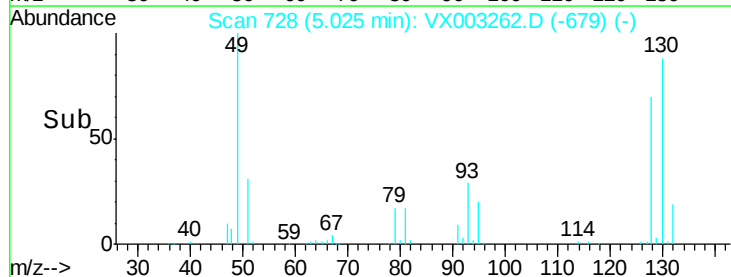
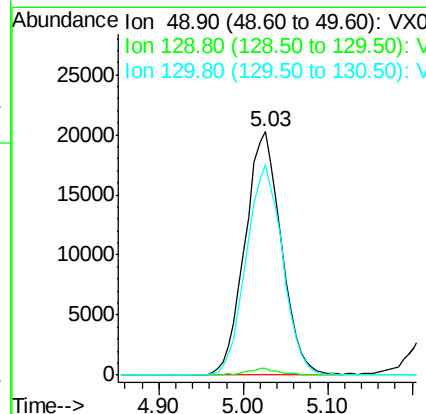
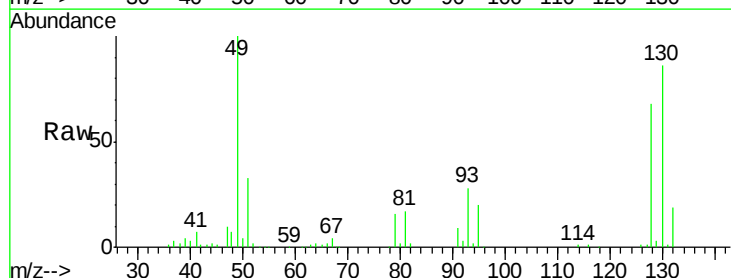
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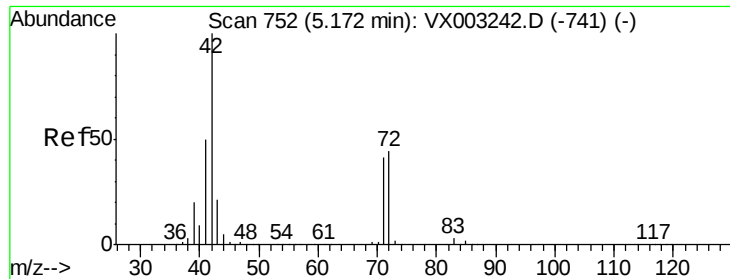


#28

Bromochloromethane
 Concen: 20.99 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	86.2	61.2	91.8





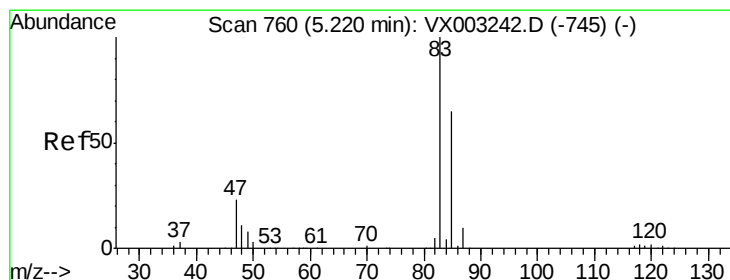
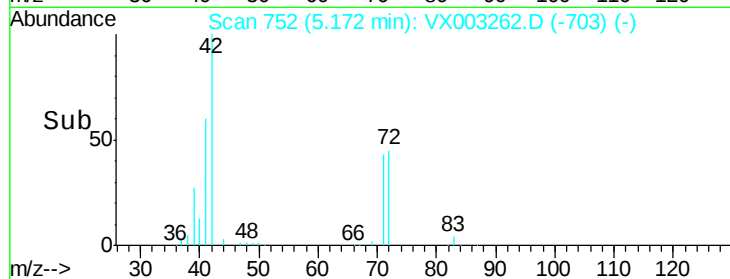
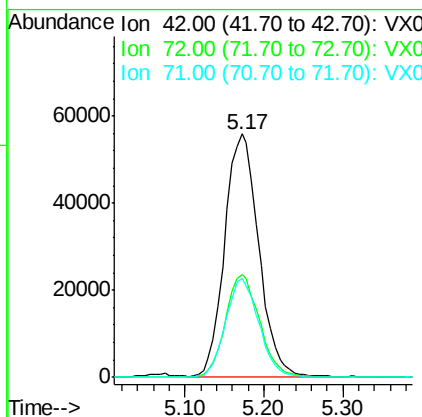
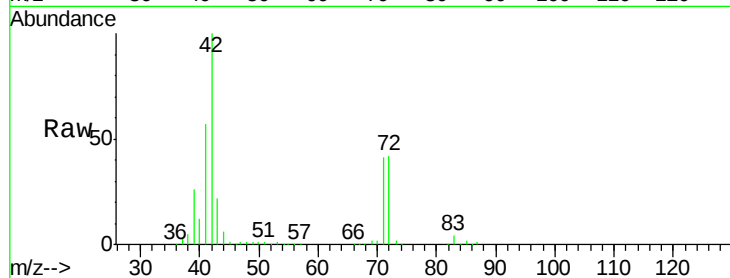
#29
Tetrahydrofuran
Concen: 102.23 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampled :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	32.0	48.0
71	40.1	30.1	45.1

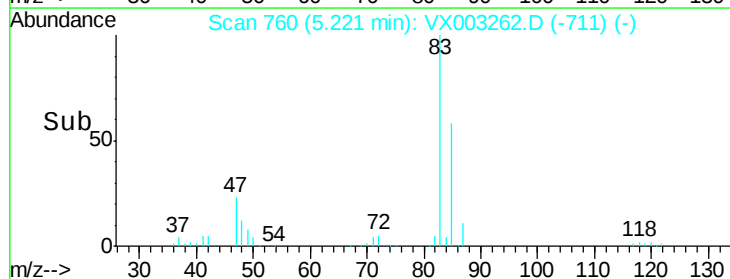
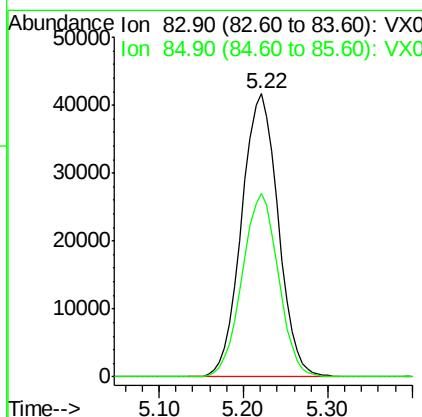
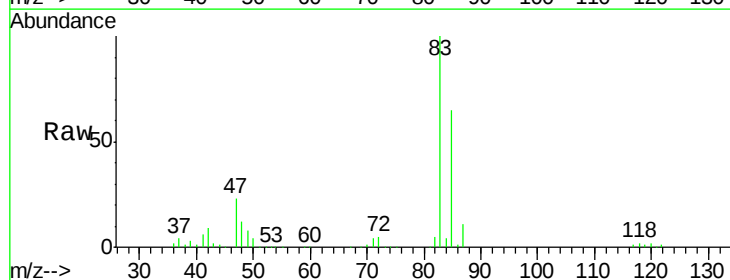
Manual Integrations
APPROVED

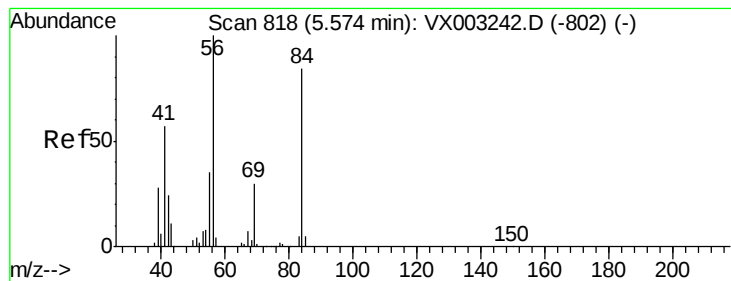
MMDadoda
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#30
Chloroform
Concen: 19.92 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.4	75.6





#31

Cyclohexane

Concen: 19.78 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

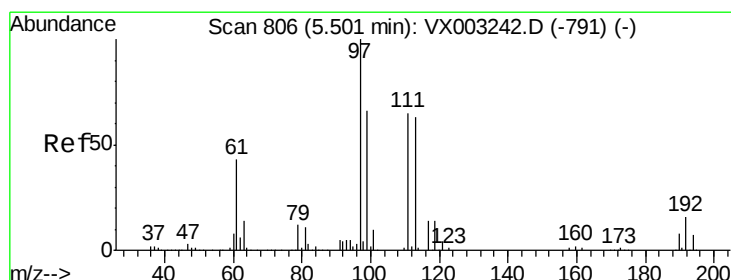
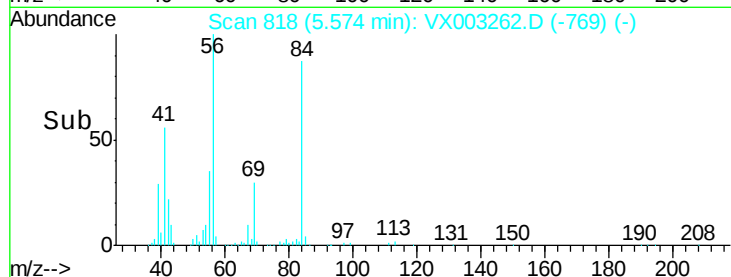
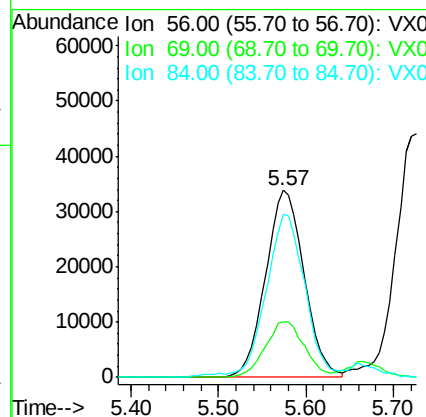
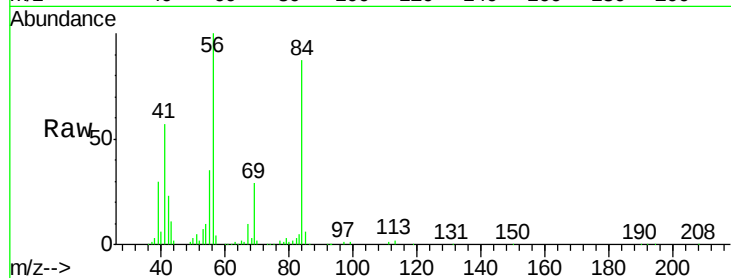
ClientSampleId :

VX0709WBSD01

Tot Ion:	56	Resp:	103823
Ion Ratio	Lower	Upper	
56	100		
69	29.4	23.7	35.5
84	86.2	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.79 ug/l

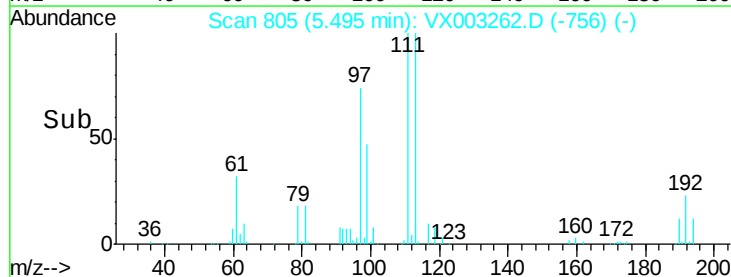
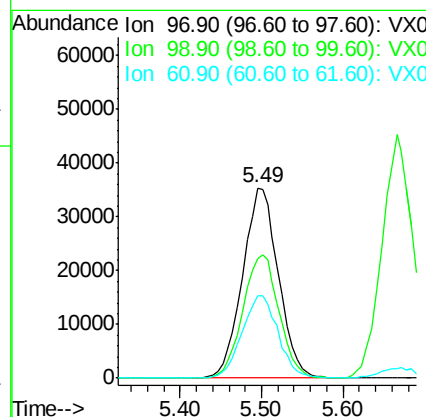
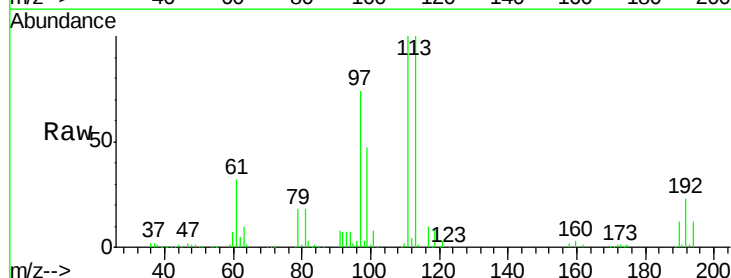
RT: 5.49 min Scan# 805

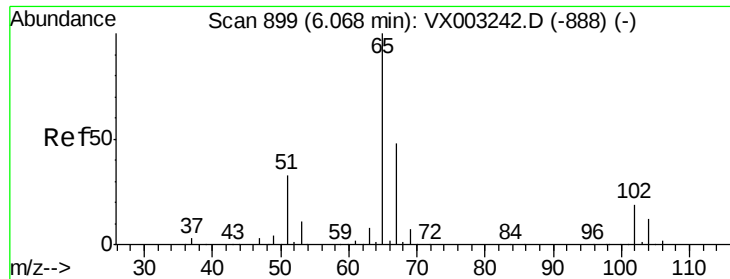
Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Tgt Ion:	97	Resp:	107630
Ion Ratio	Lower	Upper	
97	100		
99	65.5	51.6	77.4
61	43.7	36.4	54.6





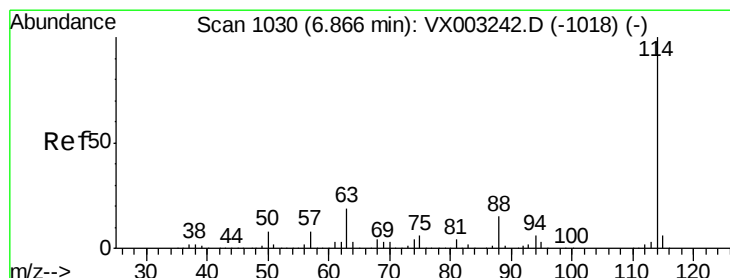
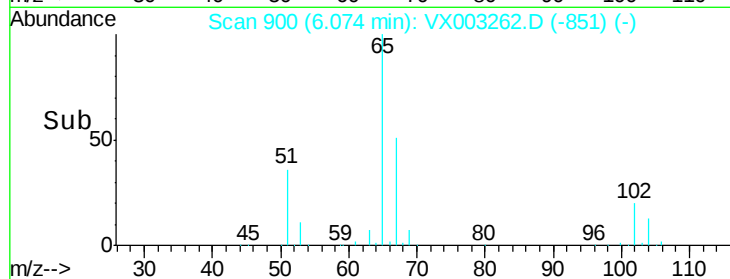
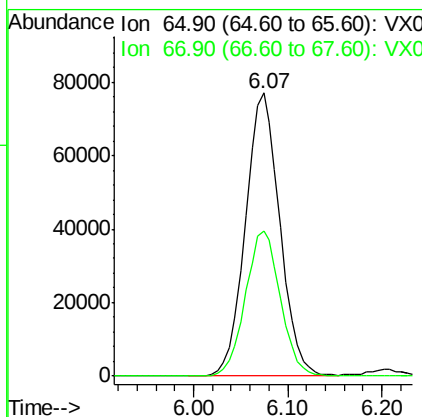
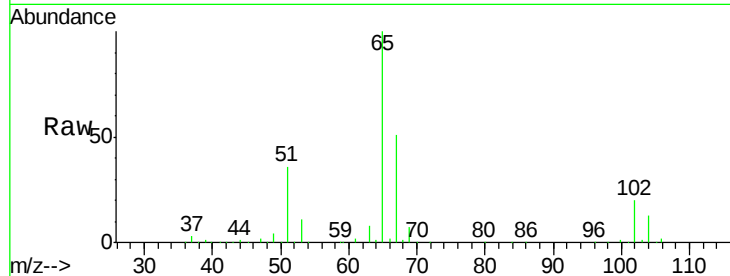
#33
 1,2-Dichloroethane-d4
 Concen: 49.27 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	197213		
67	52.2	0.0	102.6	

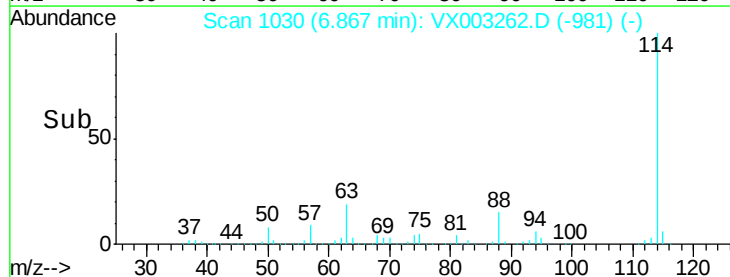
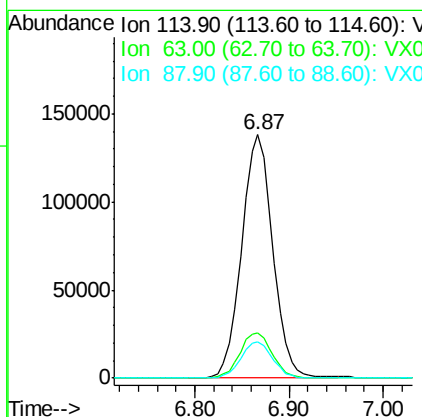
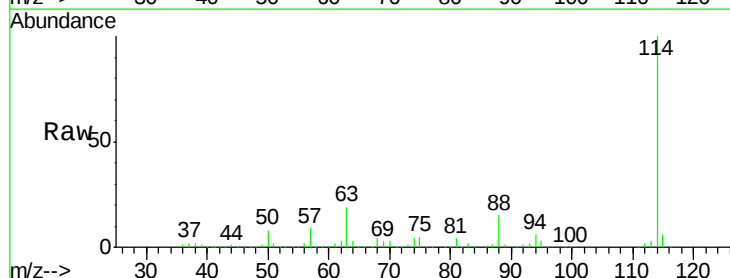
Manual Integrations
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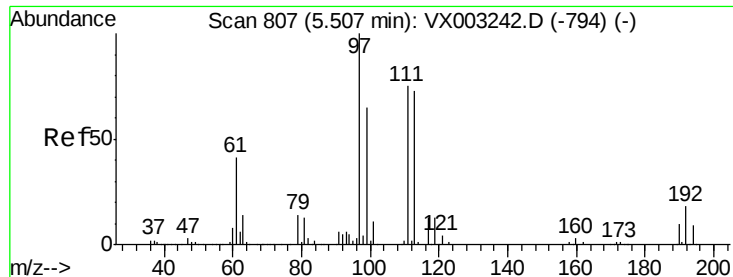
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	319668		
63	18.8	0.0	41.4	
88	15.0	0.0	30.0	





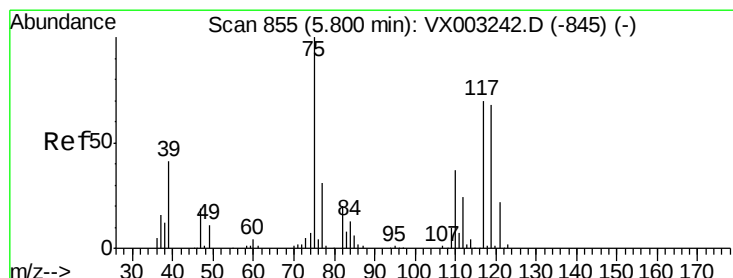
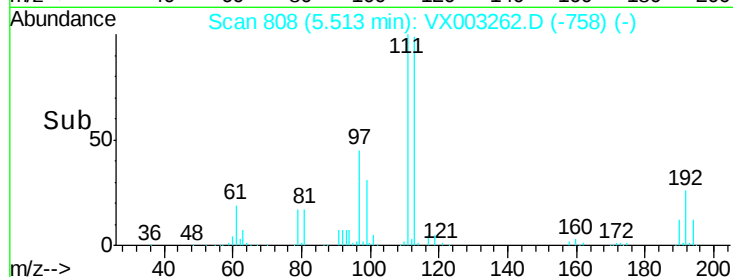
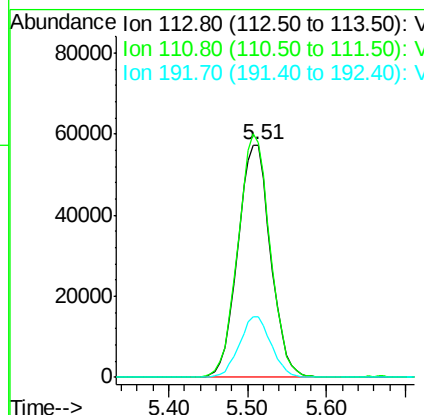
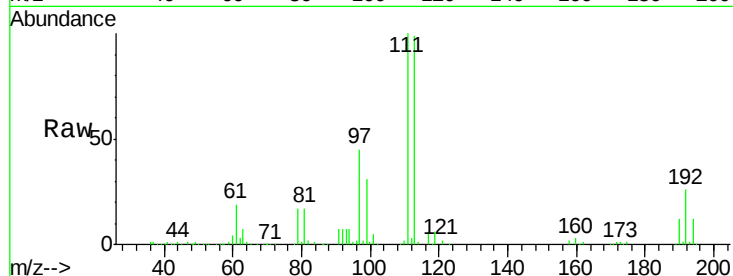
#35
 Dibromofluoromethane
 Concen: 48.31 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	165898		
111	102.4	81.4	122.0	
192	25.4	19.1	28.7	

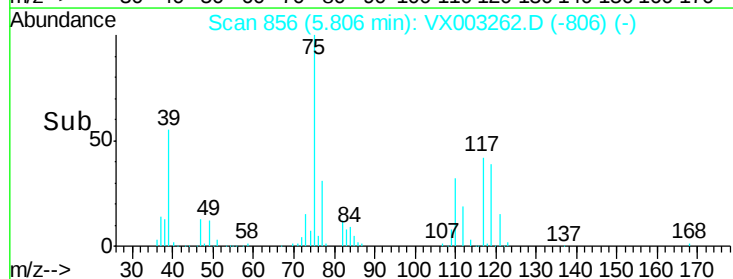
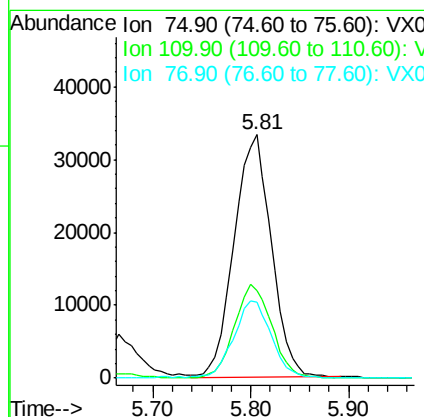
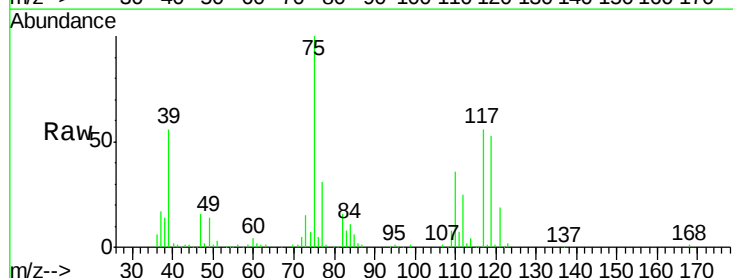
Manual Integrations
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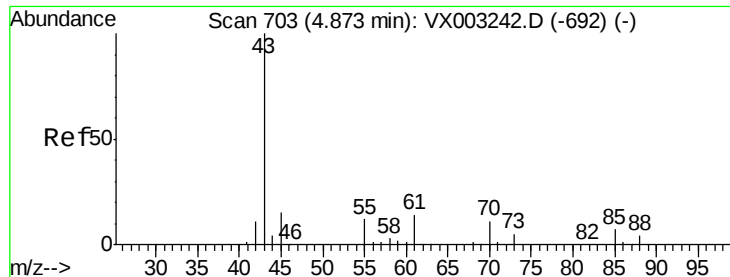
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#36
 1,1-Dichloropropene
 Concen: 19.44 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	87951		
110	38.7	18.1	54.4	
77	32.9	24.3	36.5	





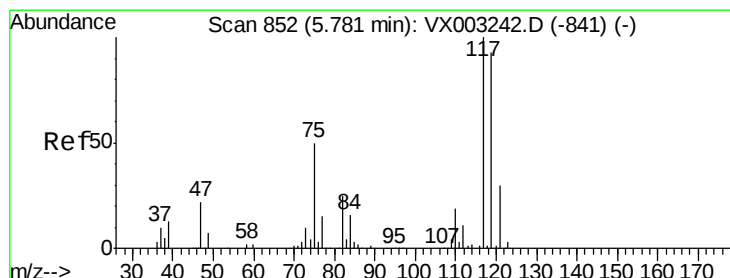
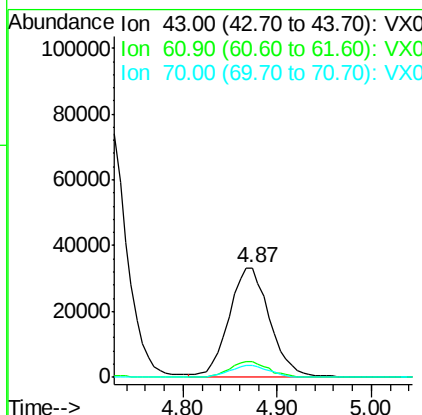
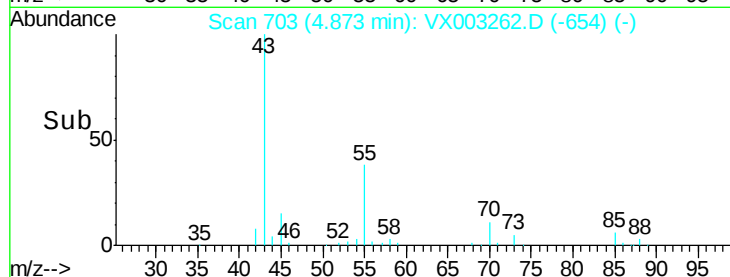
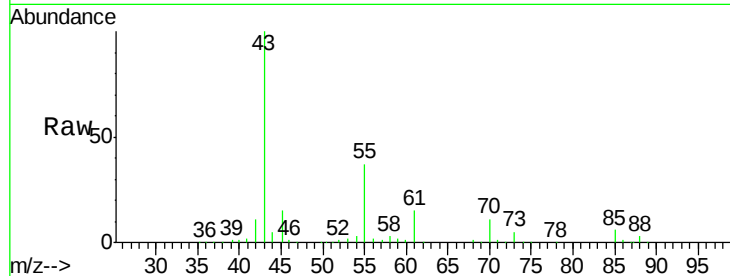
#37
Ethyl Acetate
Concen: 19.98 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.4	15.6
70	10.7	7.6	11.4

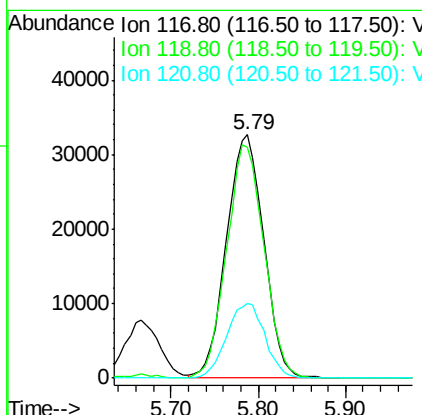
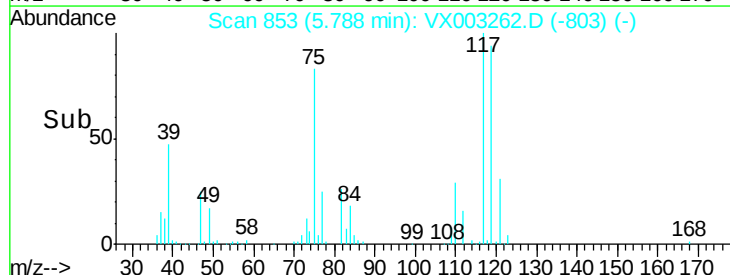
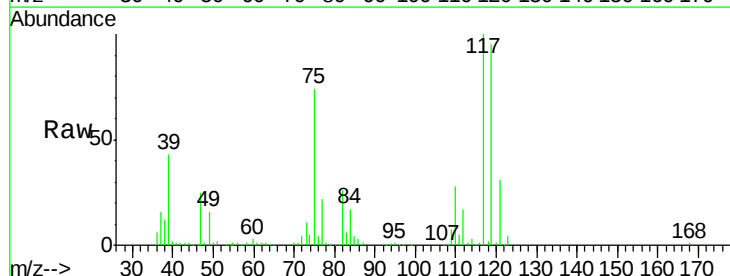
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 19.62 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.4	116.0
121	30.7	24.4	36.6





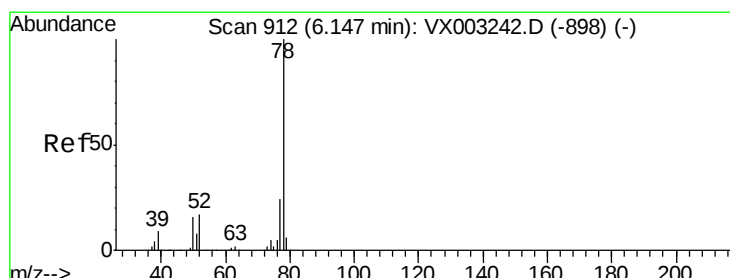
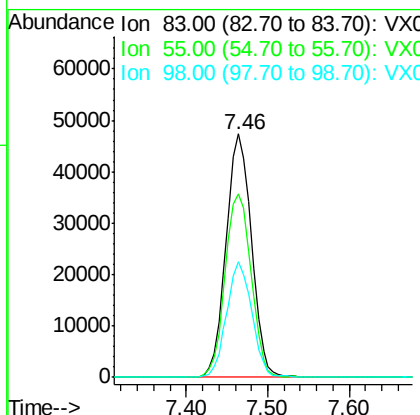
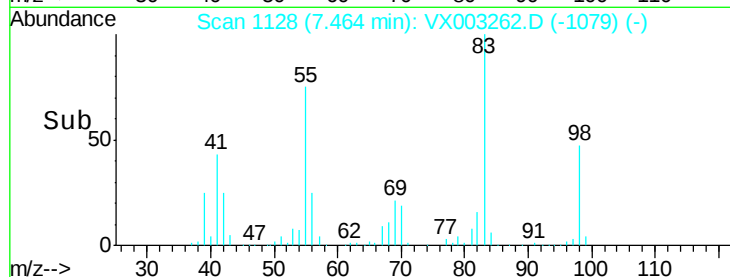
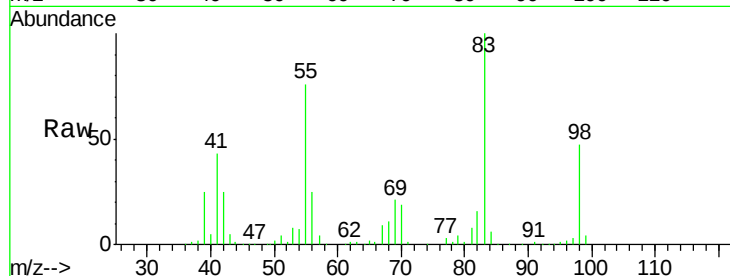
#39
Methvlcvclohexane
Concen: 19.10 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	65.4	98.0
98	47.5	37.4	56.0

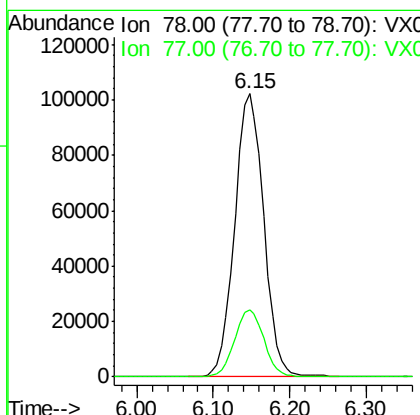
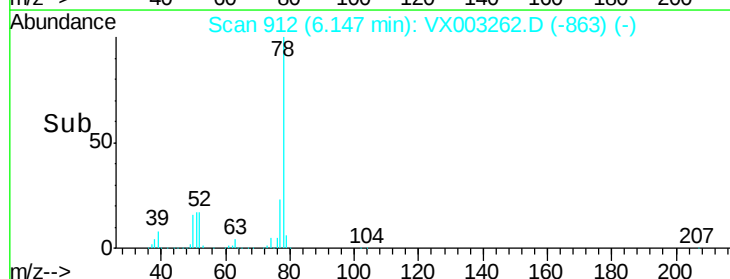
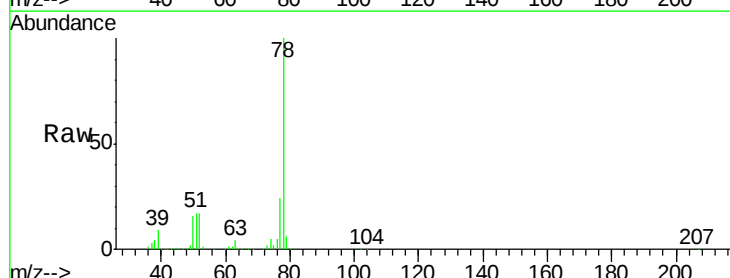
Manual Integrations
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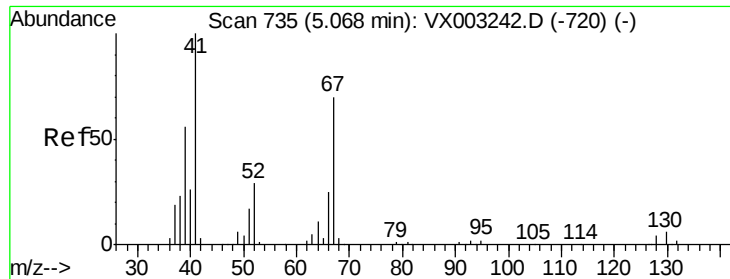
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#40
Benzene
Concen: 20.09 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





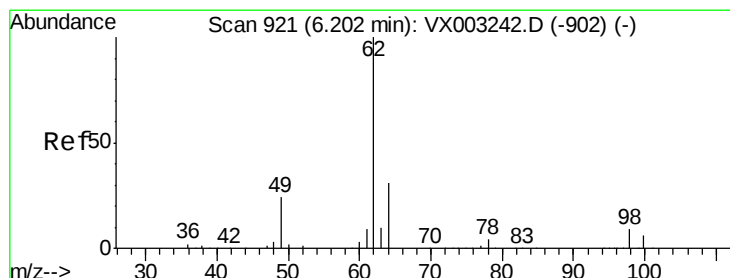
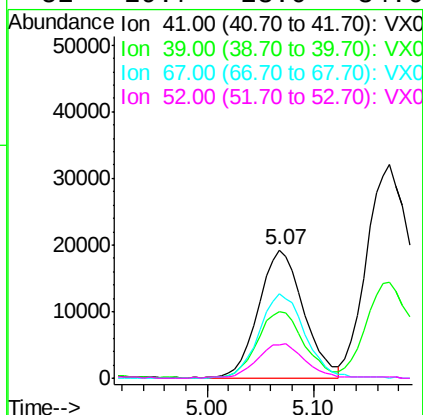
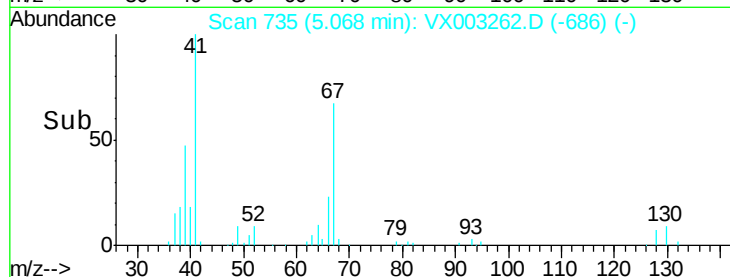
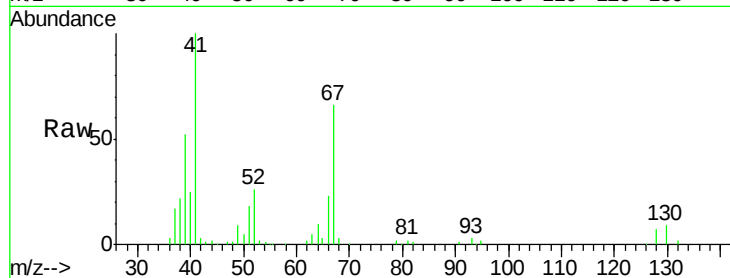
#41
Methacrylonitrile
Concen: 20.78 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	45.8	68.6	
67	67.4	51.3	76.9	
52	29.7	23.0	34.6	

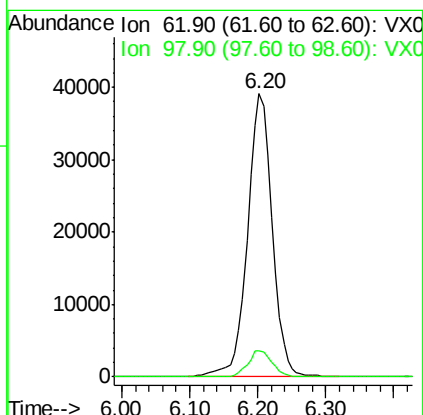
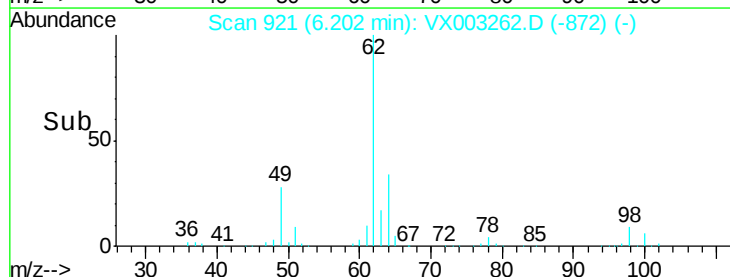
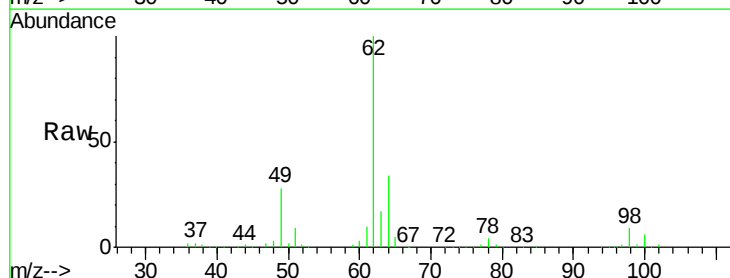
Manual Integrations
APPROVED

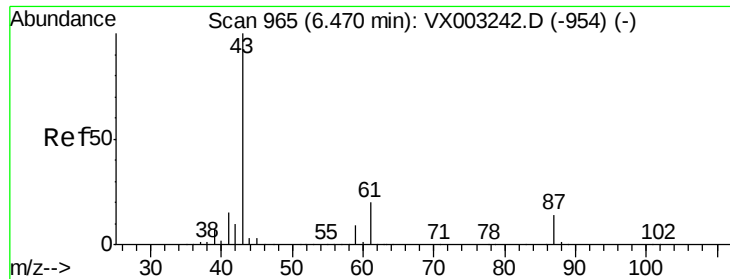
MMDadoda
7/10/2018 3:11:56 PM



#42
1,2-Dichloroethane
Concen: 19.77 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	16.6	





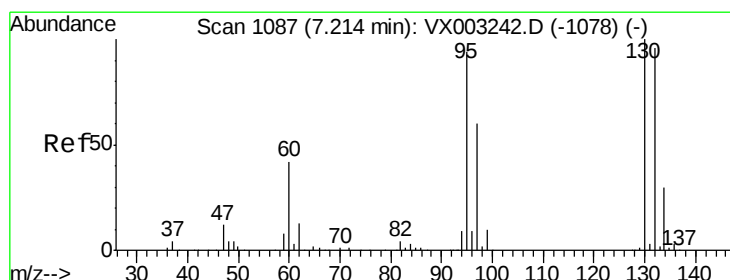
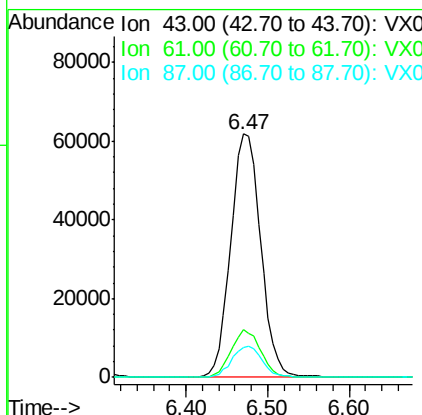
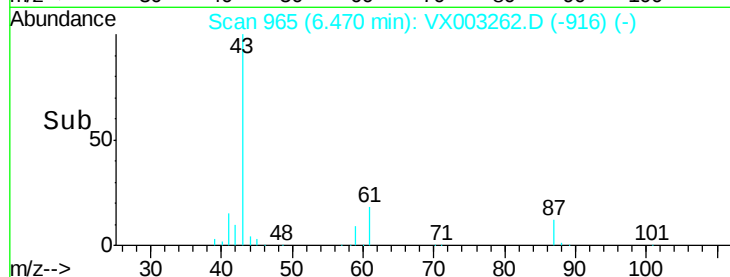
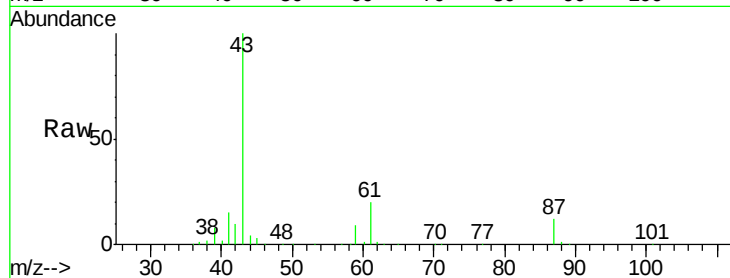
#43
Isopropyl Acetate
Concen: 20.04 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.4	21.6
87	13.1	9.5	14.3

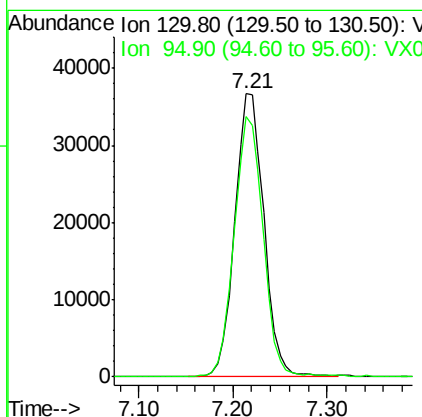
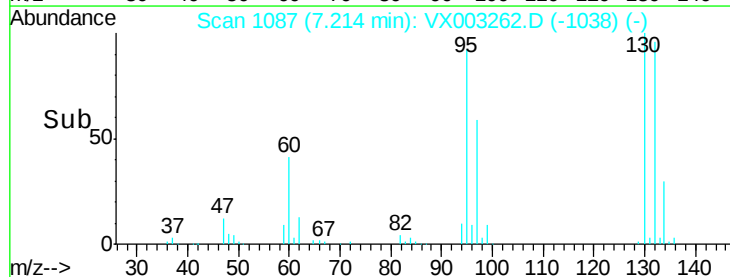
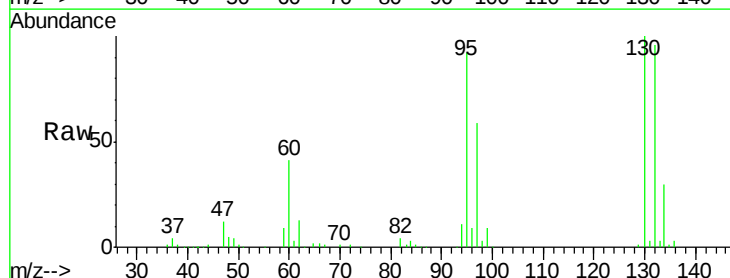
Manual Integrations
APPROVED

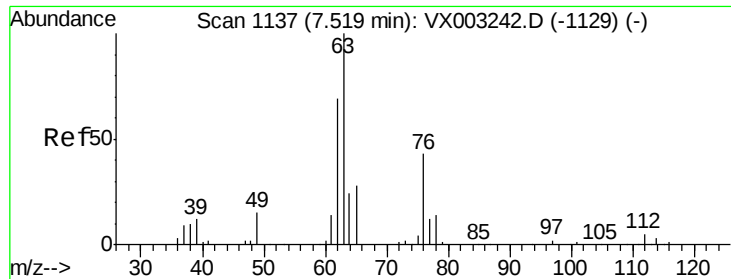
MMDadoda
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#44
Trichloroethene
Concen: 19.97 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	185.4





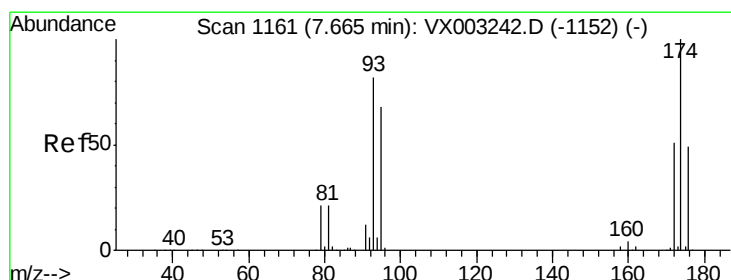
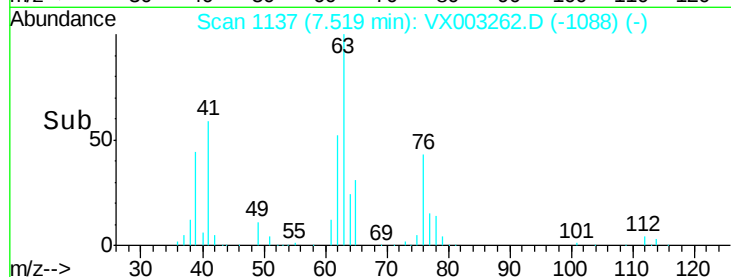
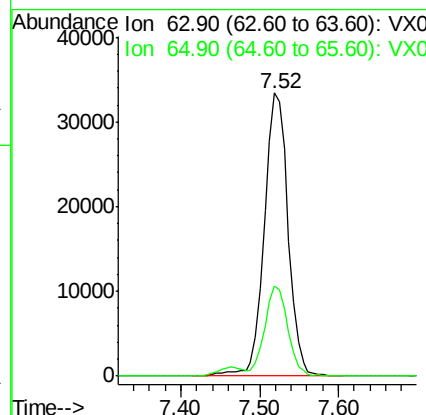
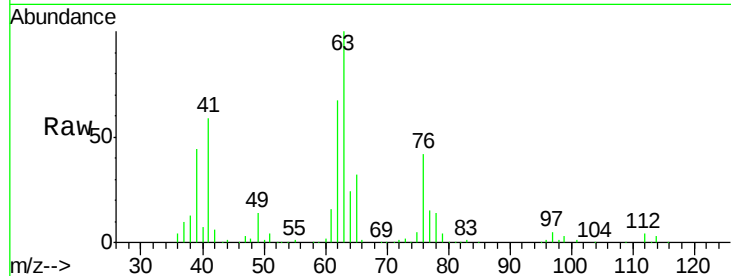
#45
 1,2-Dichloropropane
 Concen: 20.14 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion: 63 Resp: 70235
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.7 37.1

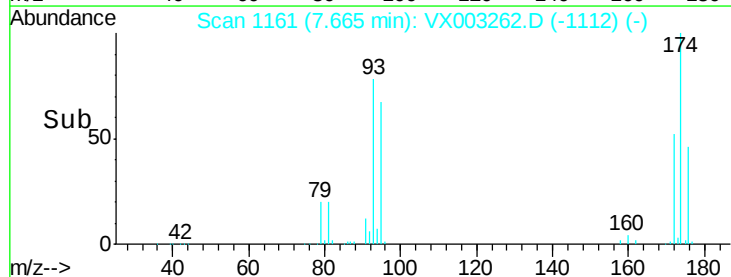
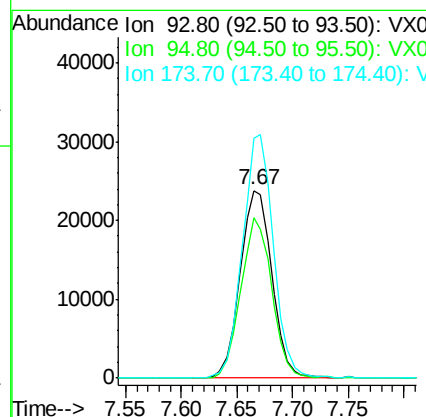
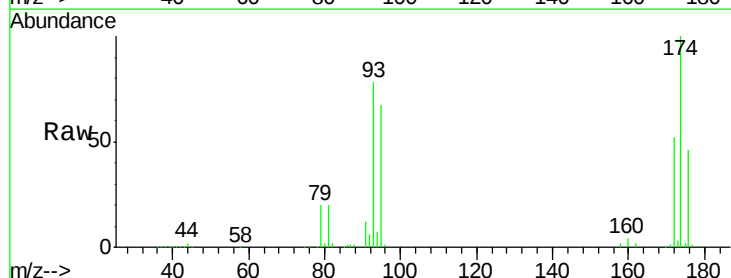
Manual Integrations
 APPROVED

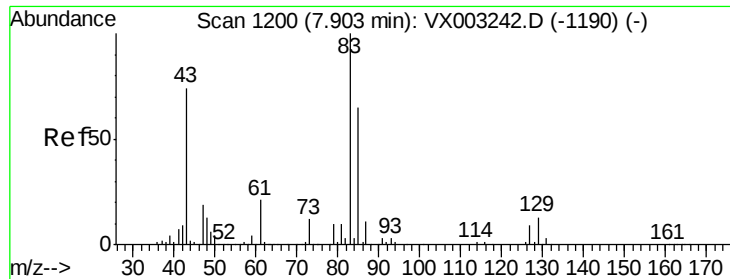
MMDadoda
 7/10/2018 3:11:56 PM



#46
 Dibromomethane
 Concen: 19.81 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Tgt Ion: 93 Resp: 47084
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.9 98.9
 174 125.9 92.4 138.6





#47

Bromodichloromethane

Concen: 19.88 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

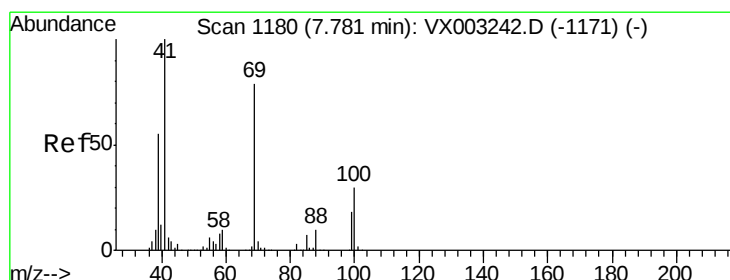
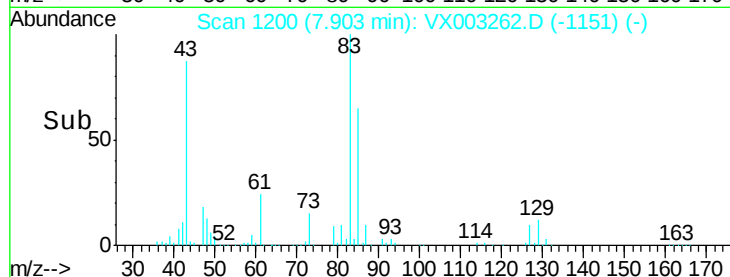
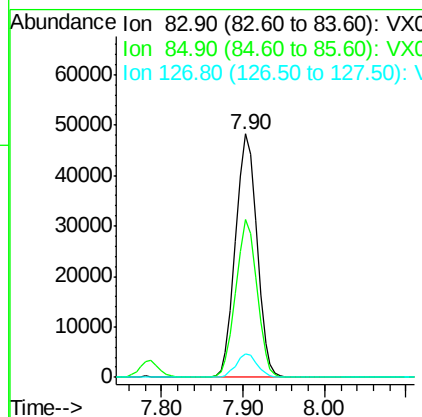
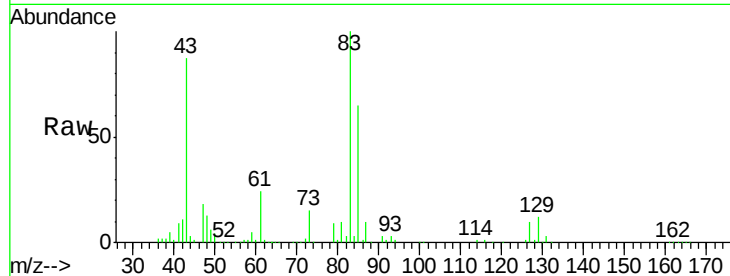
ClientSampleId :

VX0709WBSD01

Tot Ion:	83	Resp:	87182
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.3	75.5
127	9.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.96 ug/l

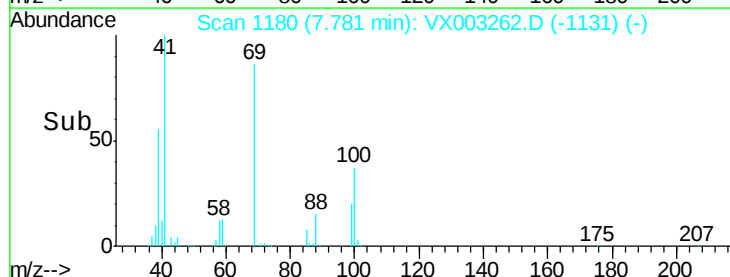
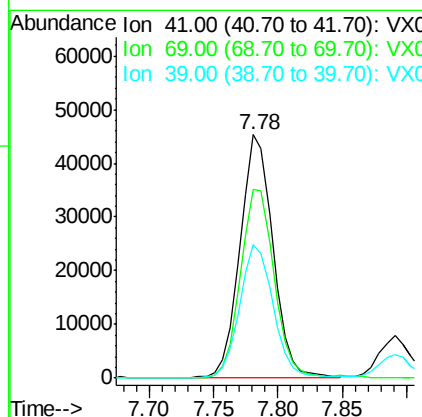
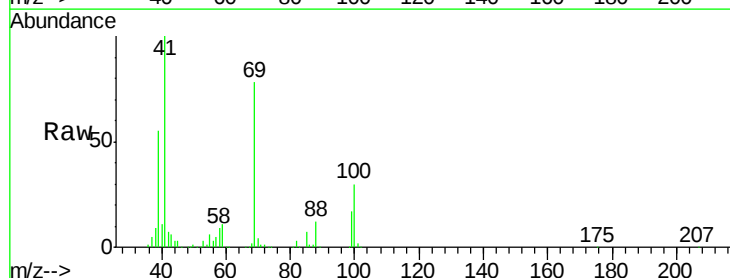
RT: 7.78 min Scan# 1180

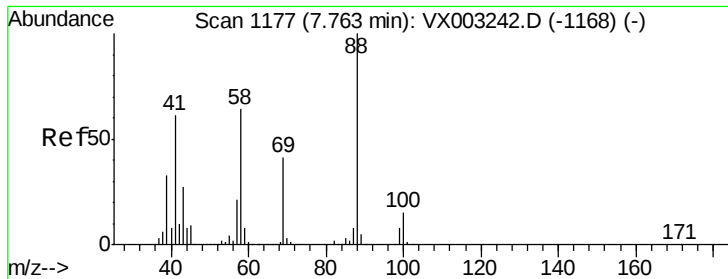
Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Tgt Ion:	41	Resp:	79737
Ion	Ratio	Lower	Upper
41	100		
69	80.8	59.1	88.7
39	55.8	48.9	73.3





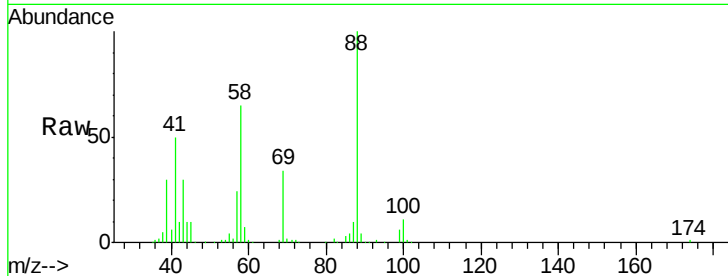
#49
1,4-Dioxane
Concen: 419.45 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	29.8	44.6
58	72.0	57.1	85.7

Manual Integrations
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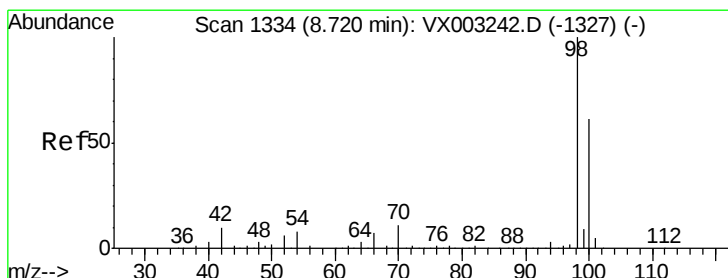
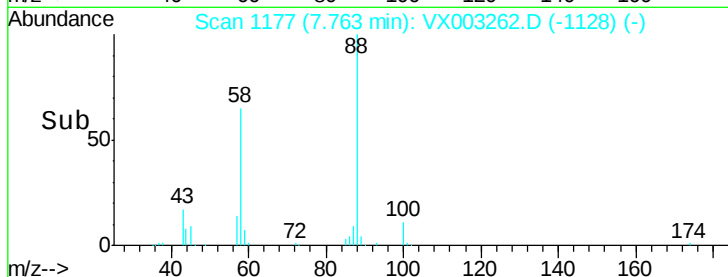
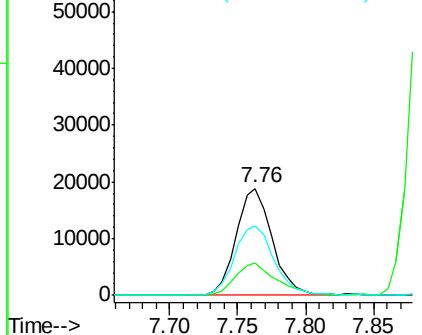


Abundance

Ion 88.00 (87.70 to 88.70): VX0

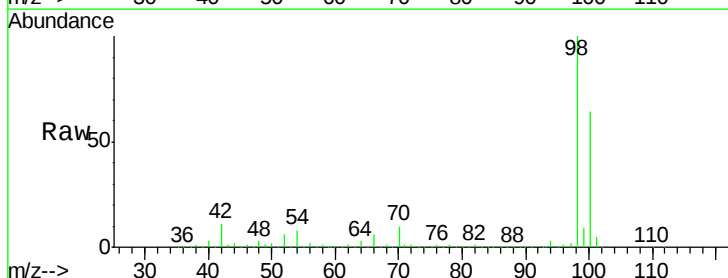
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 50.56 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

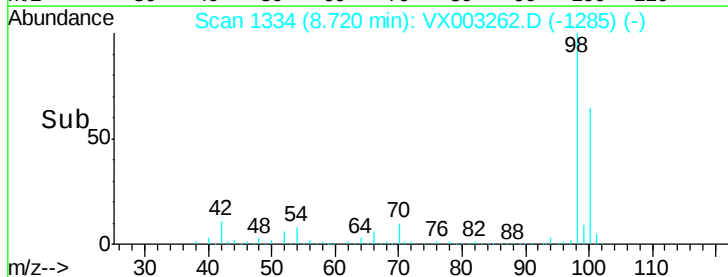
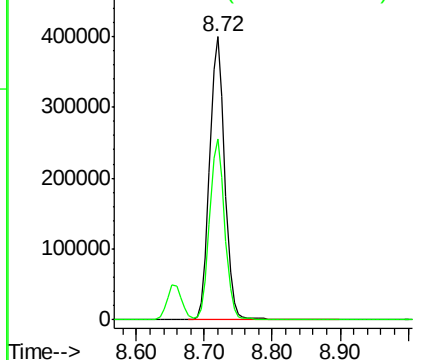
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.9	76.3



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 105.25 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 43 Resp: 510430

Ion Ratio Lower Upper

43 100

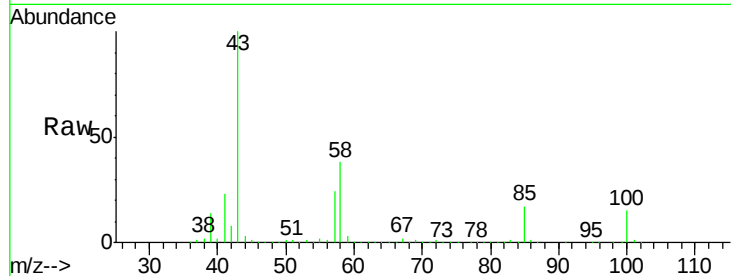
58 37.5 28.6 42.8

Manual Integrations

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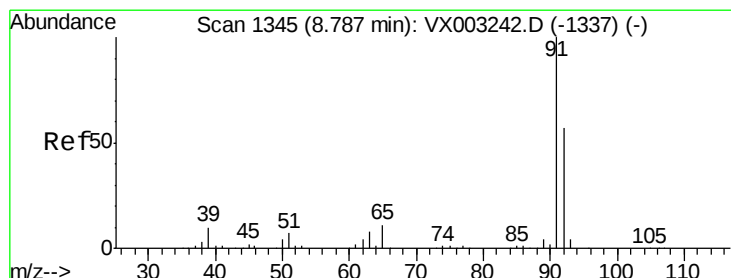
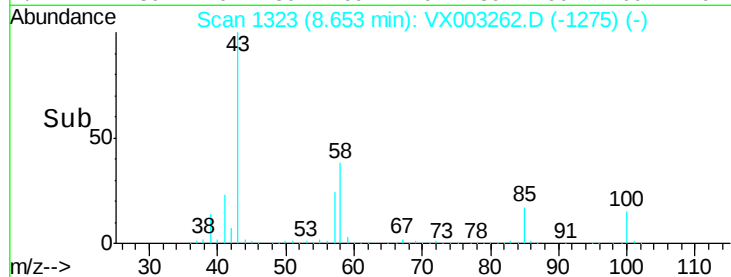
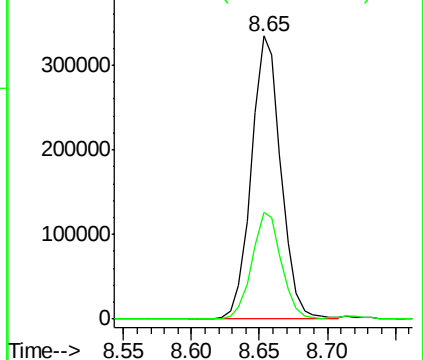
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.29 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003262.D

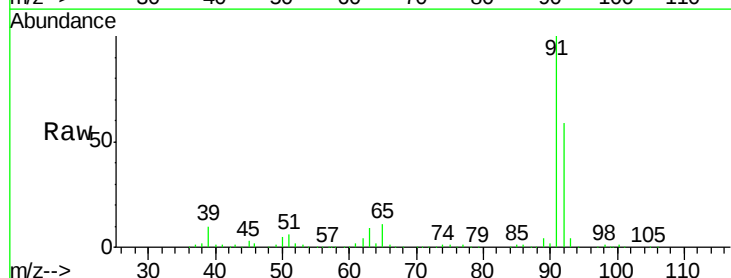
Acq: 09 Jul 2018 23:37

Tgt Ion: 92 Resp: 172011

Ion Ratio Lower Upper

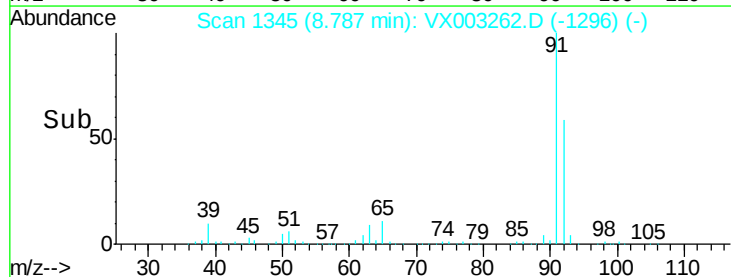
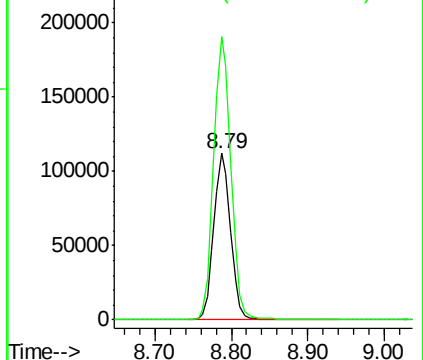
92 100

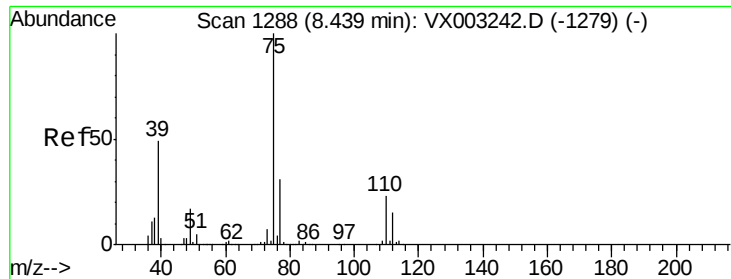
91 174.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.70 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 75 Resp: 96504

Ion Ratio Lower Upper

75 100

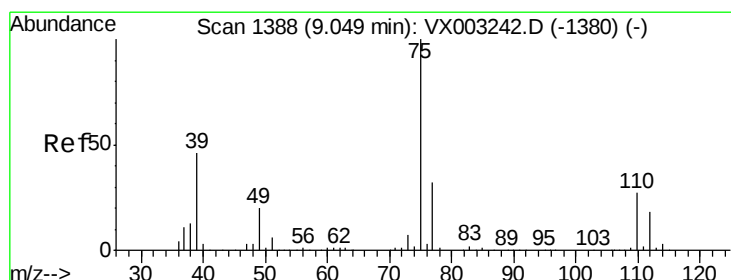
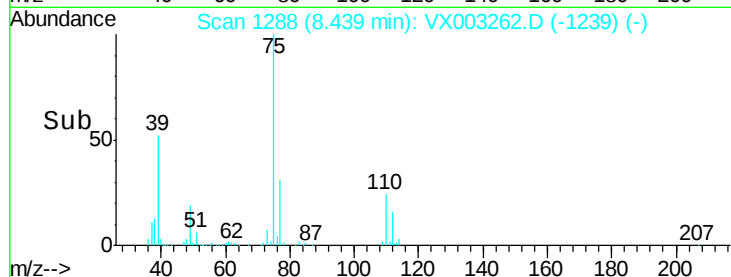
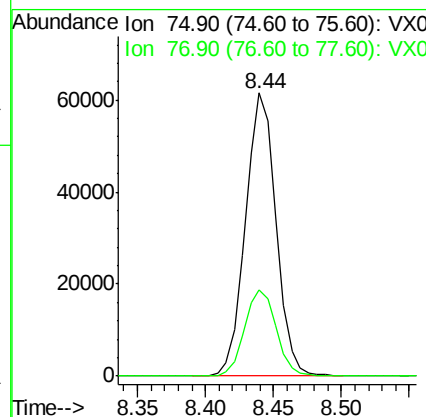
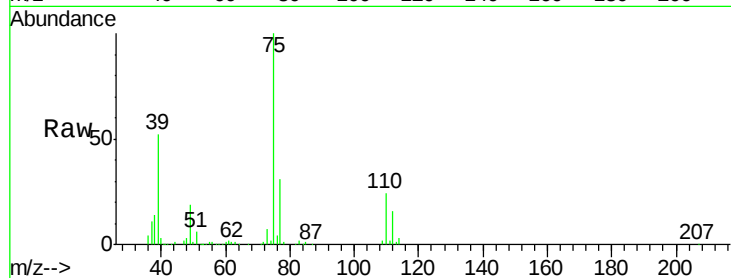
77 30.6 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.60 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

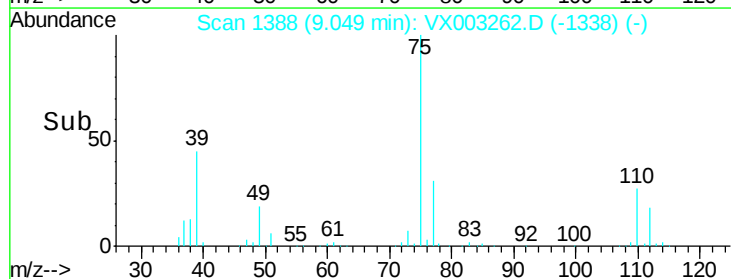
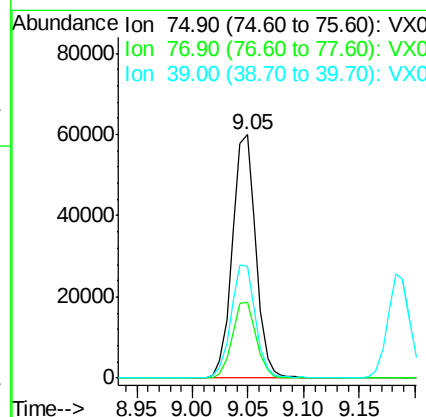
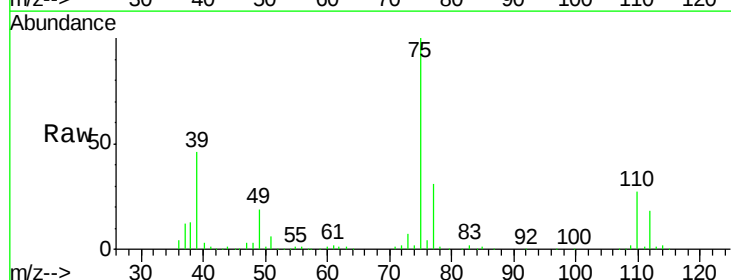
Tgt Ion: 75 Resp: 87359

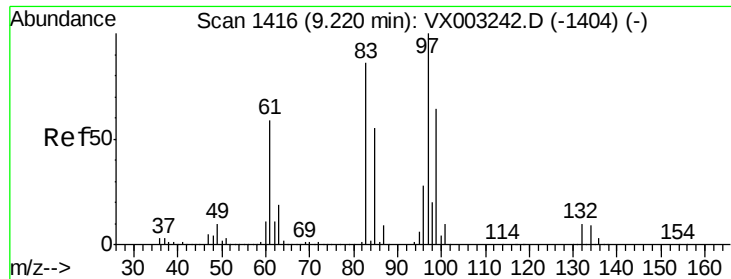
Ion Ratio Lower Upper

75 100

77 30.8 24.8 37.2

39 45.6 42.4 63.6





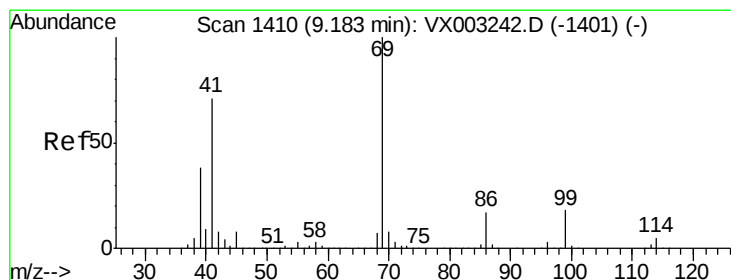
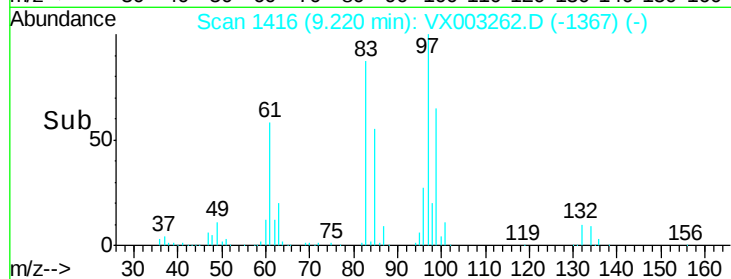
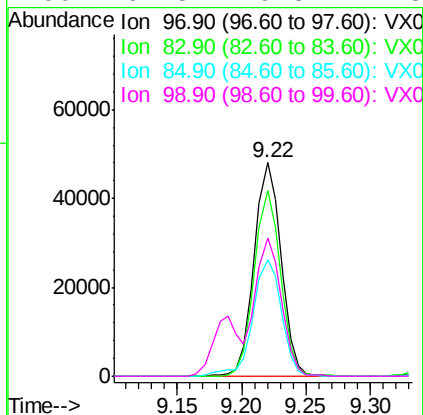
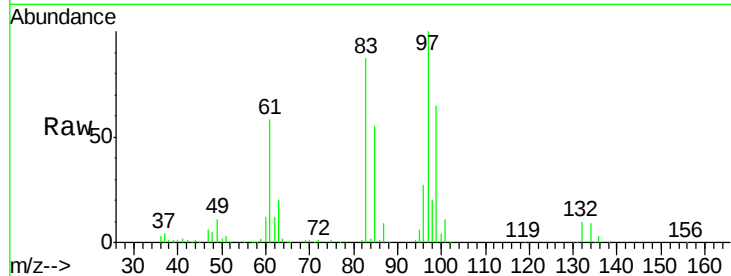
#55
 1,1,2-Trichloroethane
 Concen: 19.76 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.2	105.2
85	54.6	44.9	67.3
99	64.8	49.8	74.8

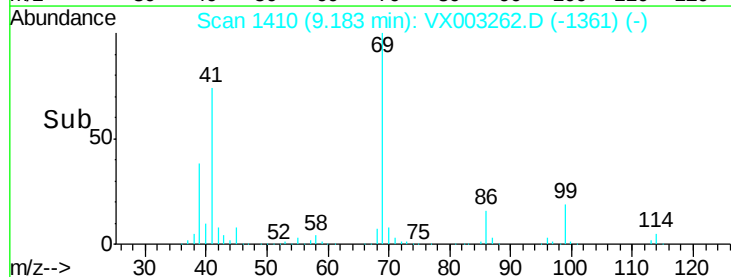
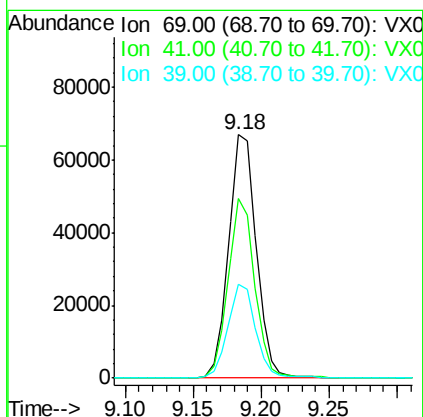
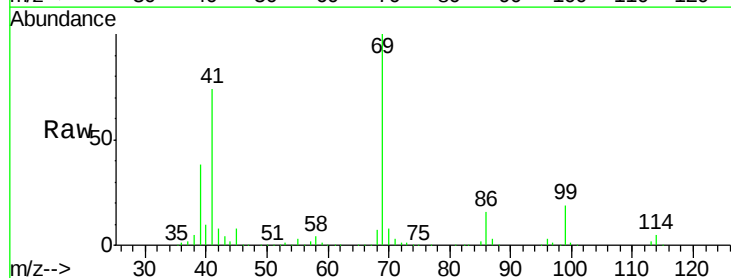
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#56
 Ethyl methacrylate
 Concen: 19.70 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.1	60.3	90.5
39	38.0	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.84 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 76 Resp: 112405

Ion Ratio Lower Upper

76 100

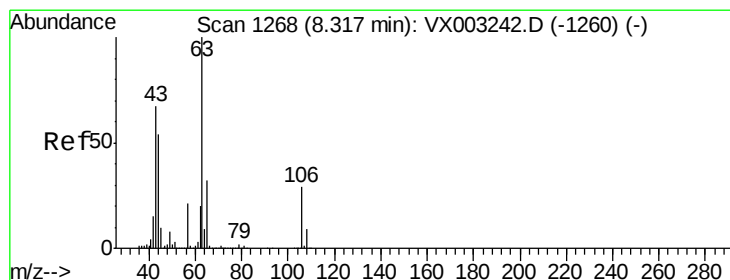
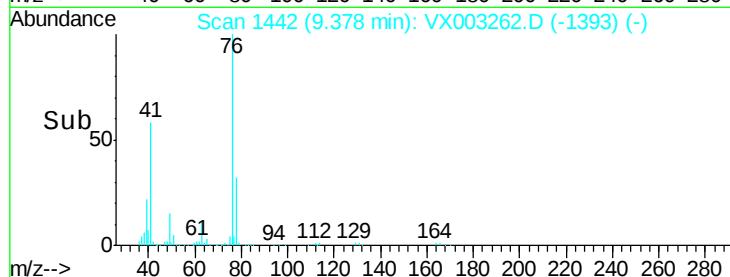
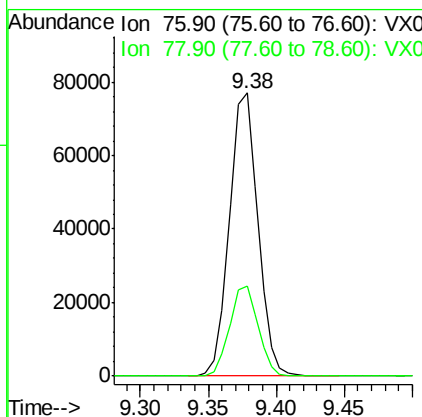
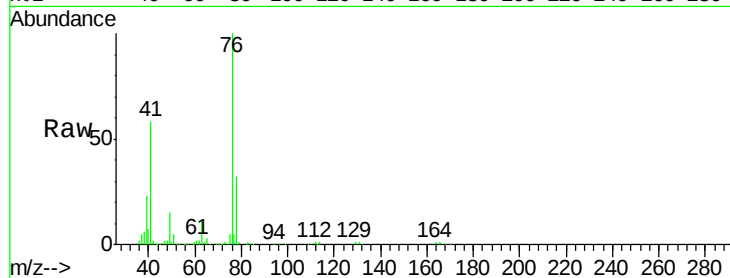
78 32.2 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 106.53 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003262.D

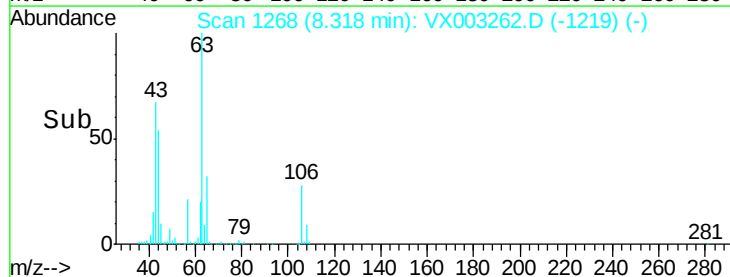
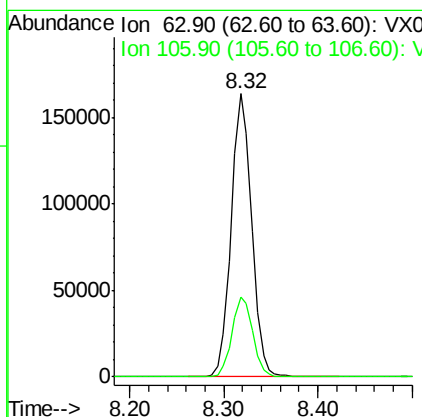
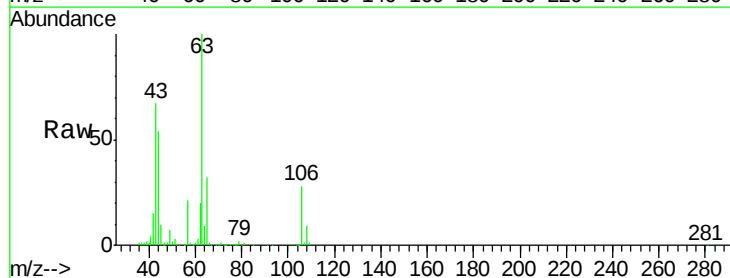
Acq: 09 Jul 2018 23:37

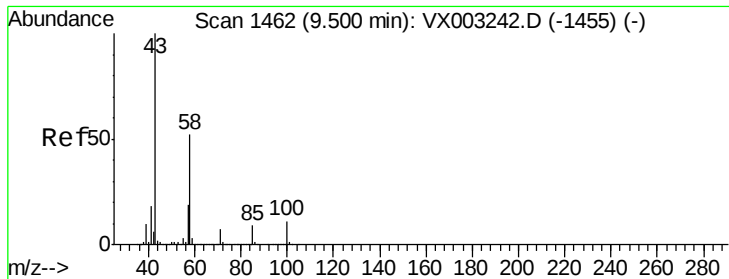
Tgt Ion: 63 Resp: 247526

Ion Ratio Lower Upper

63 100

106 28.7 21.8 32.8





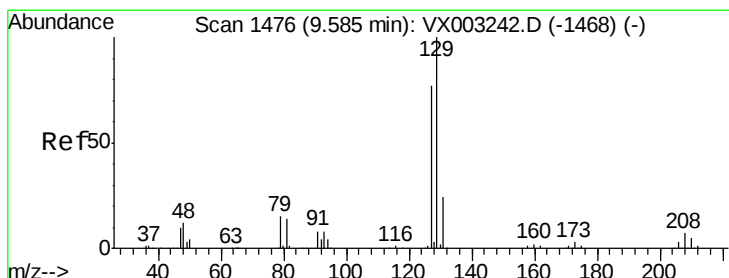
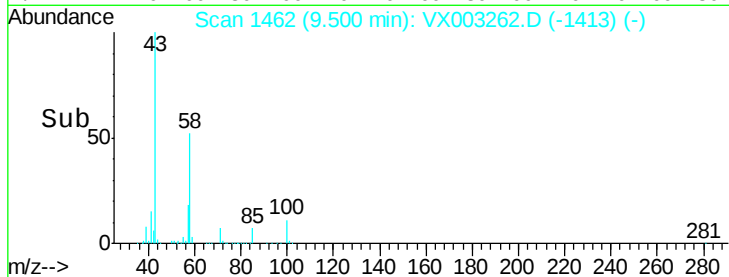
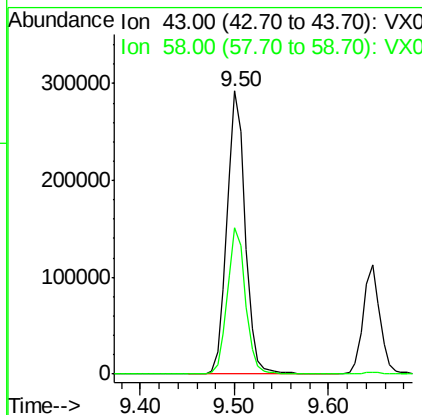
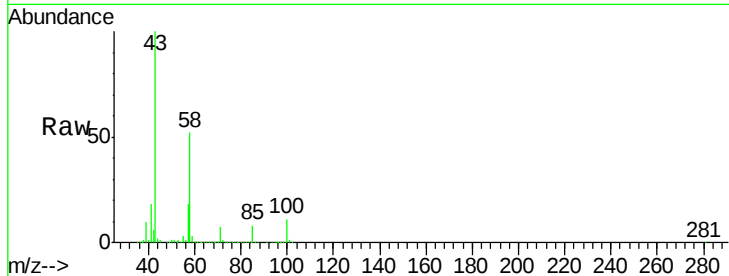
#59
2-Hexanone
Concen: 107.05 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion: 43 Resp: 394359
Ion Ratio Lower Upper
43 100
58 51.5 24.6 73.6

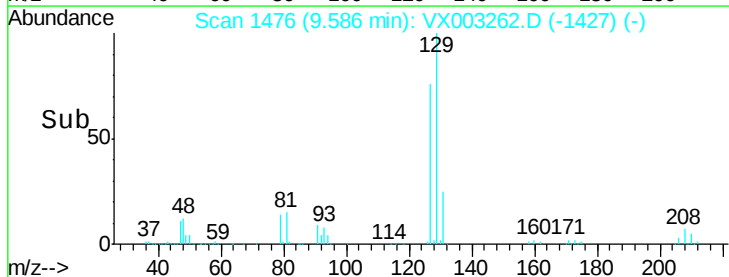
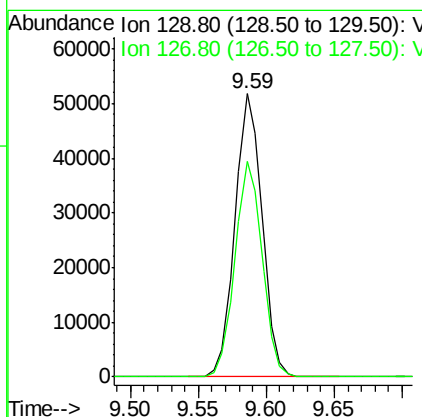
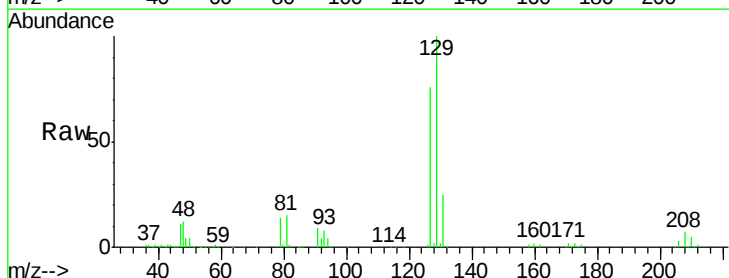
Manual Integrations
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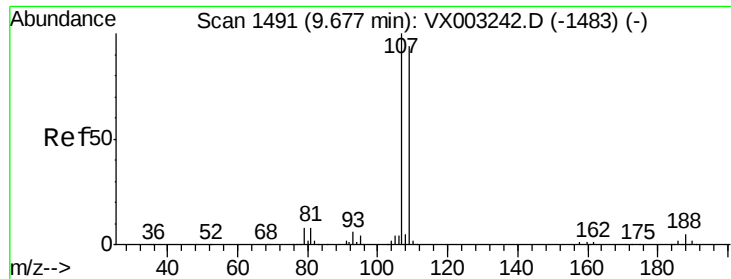
MMDadoda
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#60
Dibromochloromethane
Concen: 19.60 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion: 129 Resp: 71964
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.90 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion:107 Resp: 73360

Ion Ratio Lower Upper

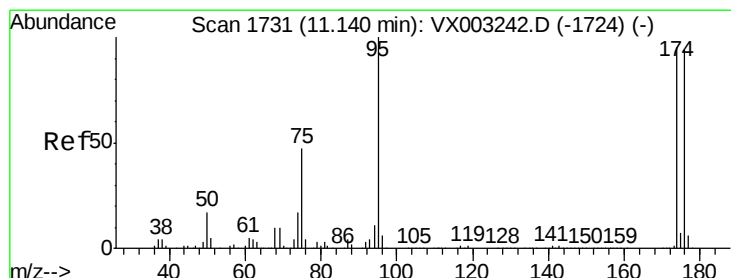
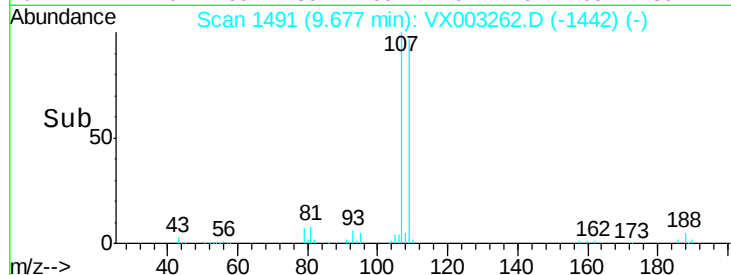
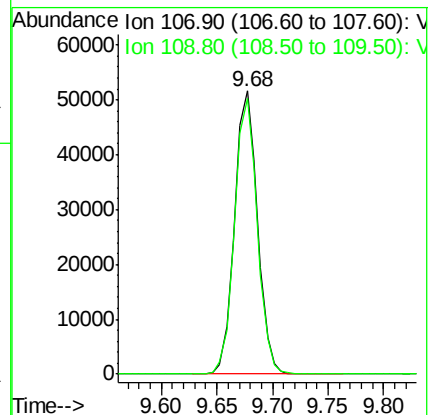
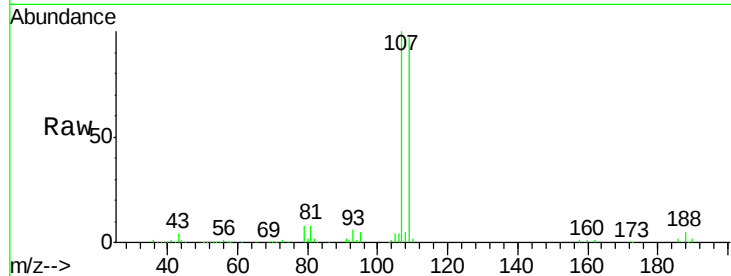
107 100

109 96.9 75.3 112.9

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#62

4-Bromofluorobenzene

Concen: 49.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

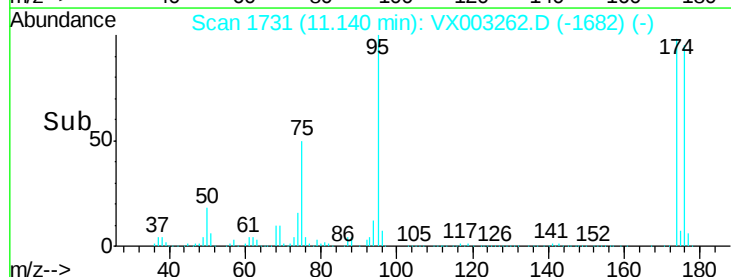
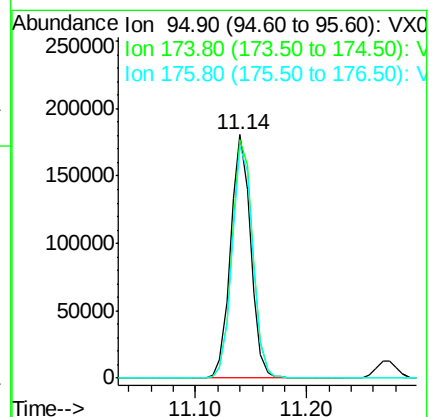
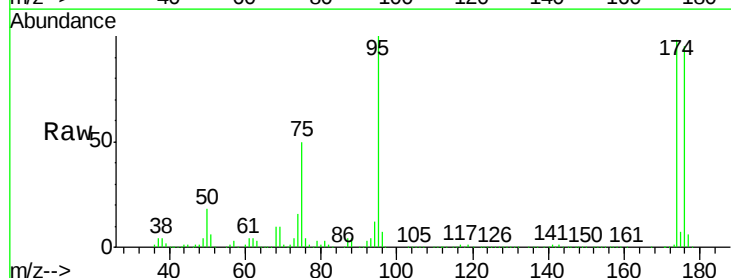
Tgt Ion: 95 Resp: 225270

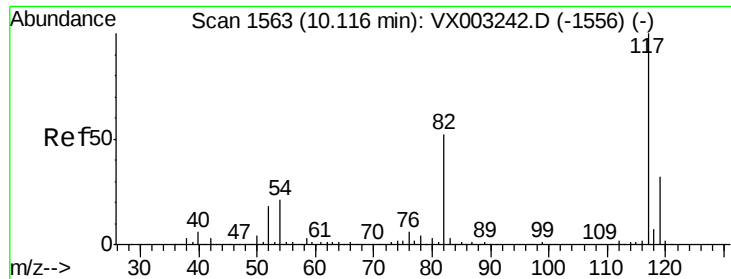
Ion Ratio Lower Upper

95 100

174 101.1 0.0 187.4

176 98.0 0.0 181.0





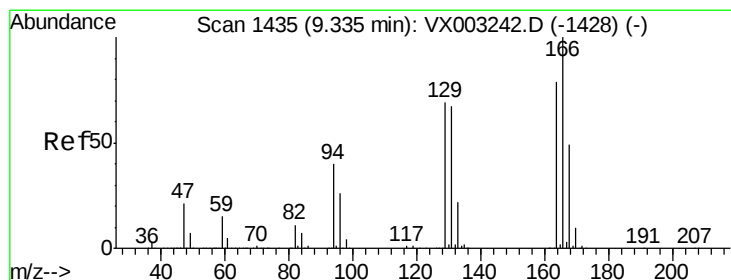
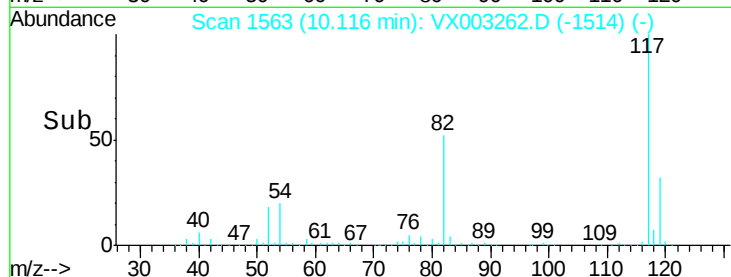
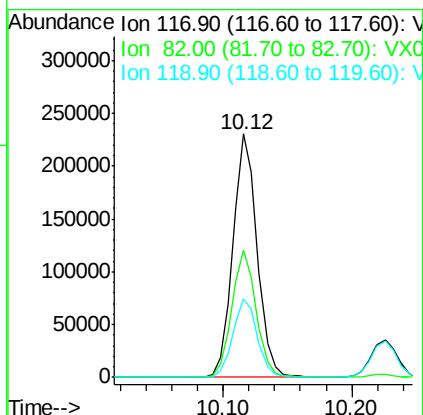
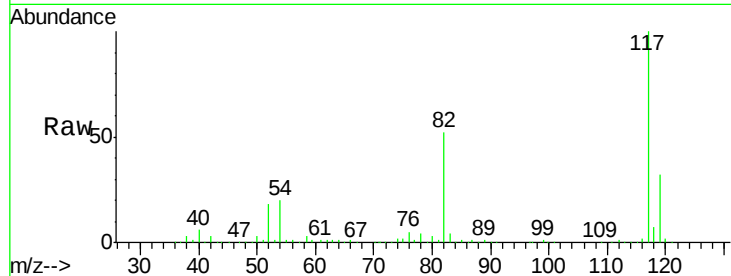
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	45.0	67.4
119	32.1	25.8	38.6

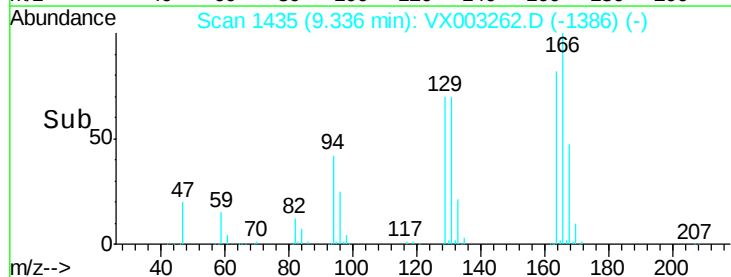
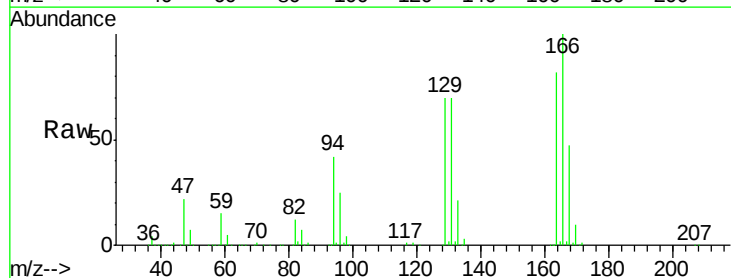
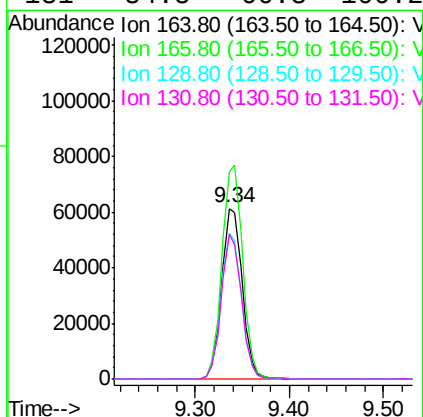
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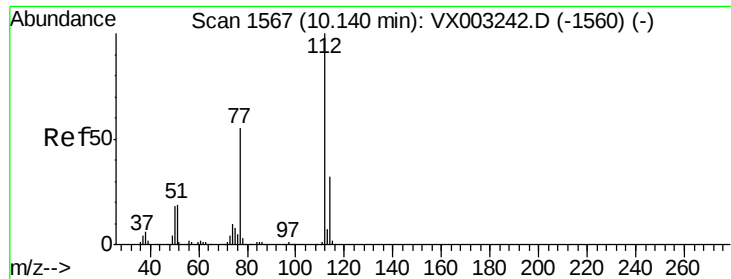
MMDadoda
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#64
Tetrachloroethene
Concen: 20.32 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.3	102.9	154.3
129	85.5	68.6	102.8
131	84.5	66.8	100.2





#65

Chlorobenzene

Concen: 19.66 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion:112 Resp: 202289

Ion Ratio Lower Upper

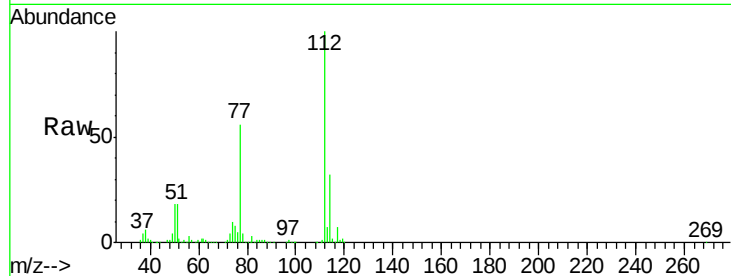
112 100

114 32.3 25.3 37.9

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

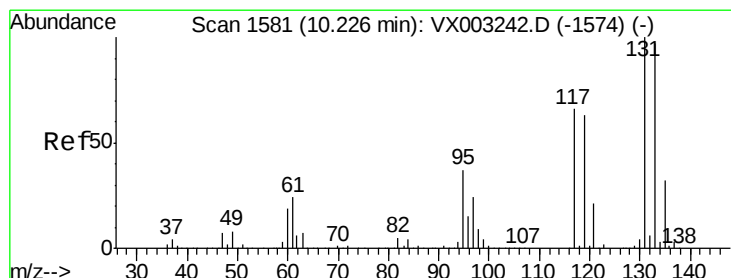
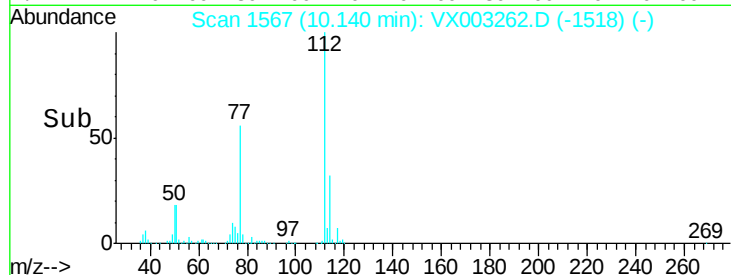
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.90 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

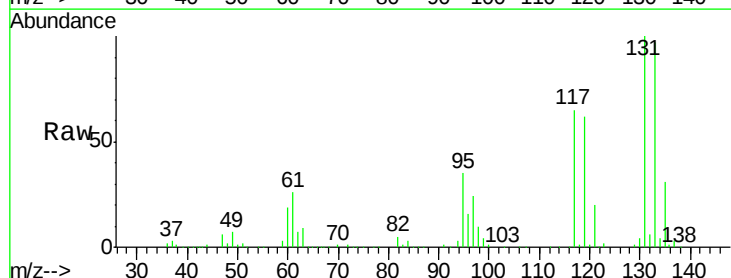
Tgt Ion:131 Resp: 73896

Ion Ratio Lower Upper

131 100

133 95.7 47.9 143.6

119 63.1 31.8 95.3



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

10.23

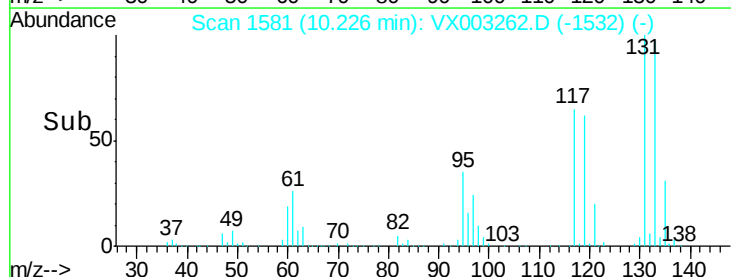
60000

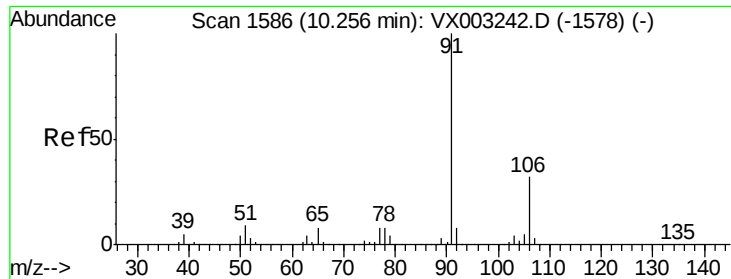
40000

20000

0

Time-->





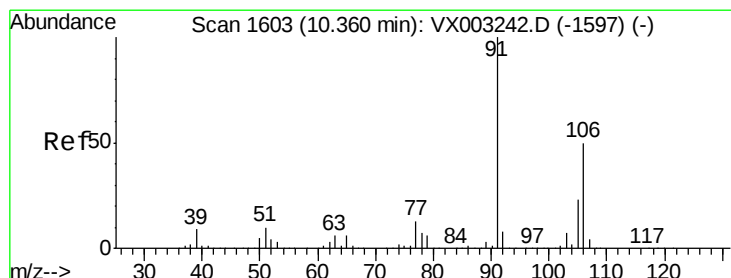
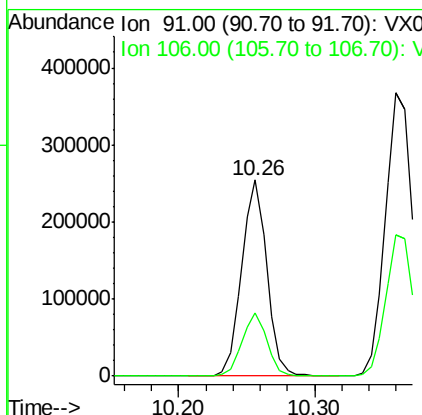
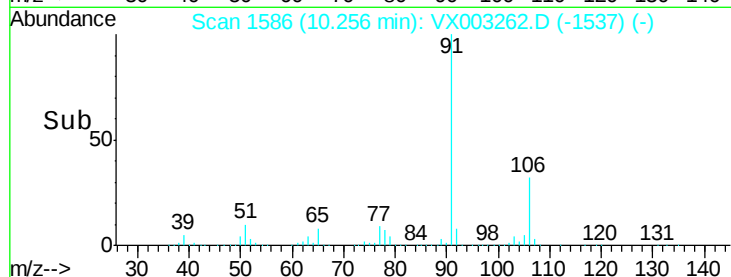
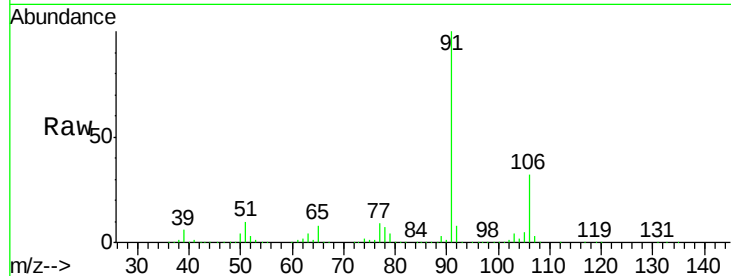
#67
Ethyl Benzene
Concen: 19.77 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion: 91 Resp: 329052
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

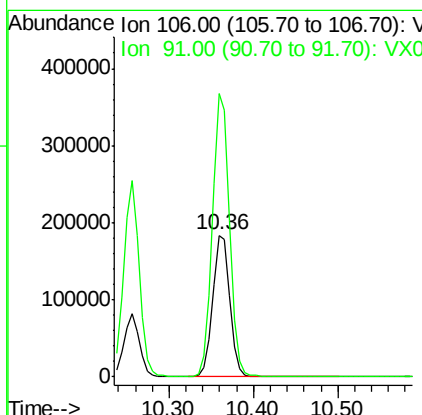
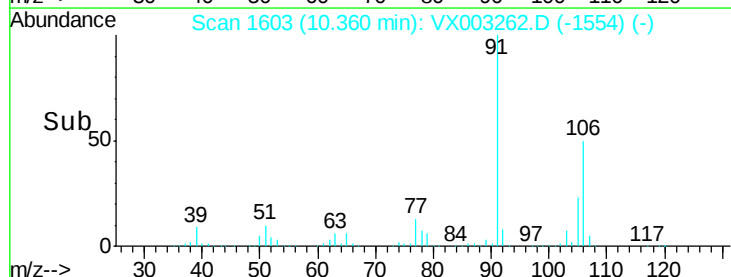
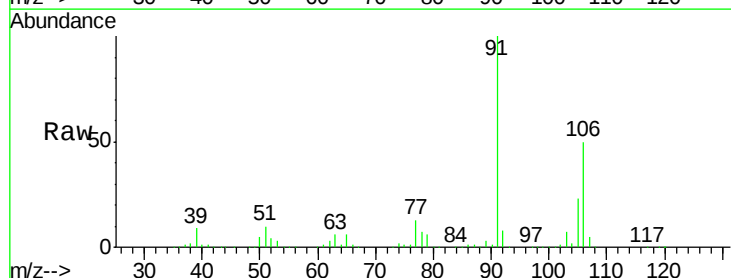
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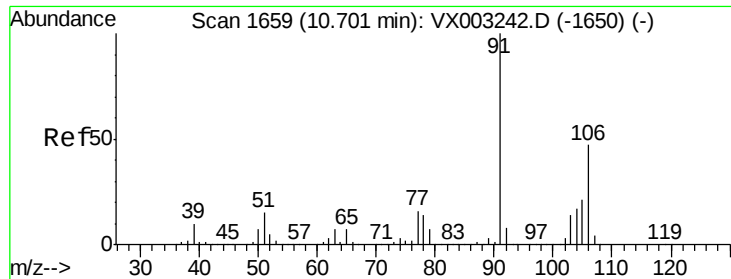
MMDadoda
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#68
m/p-Xylenes
Concen: 40.29 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion: 106 Resp: 260862
Ion Ratio Lower Upper
106 100
91 199.0 163.4 245.2





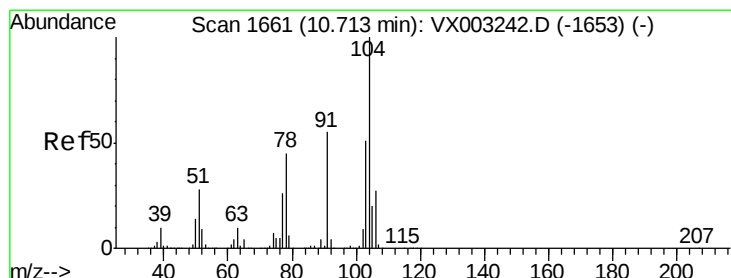
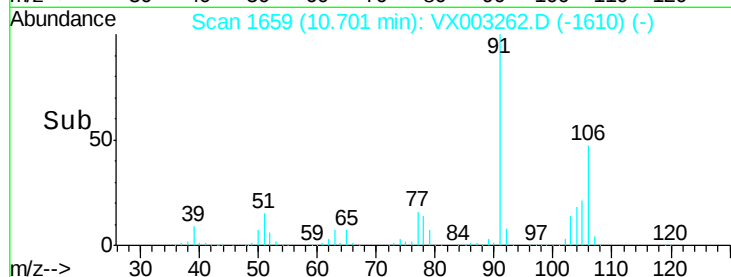
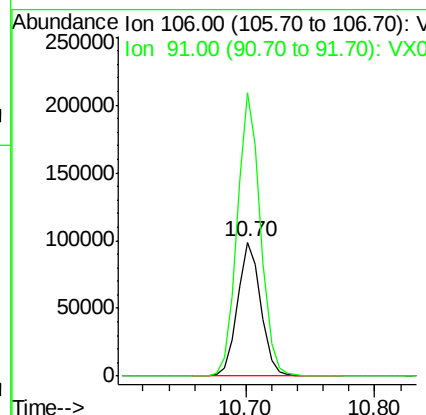
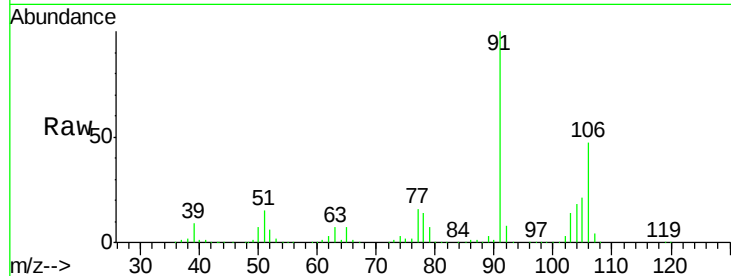
#69
o-Xylene
Concen: 19.90 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.6	108.2	324.6	

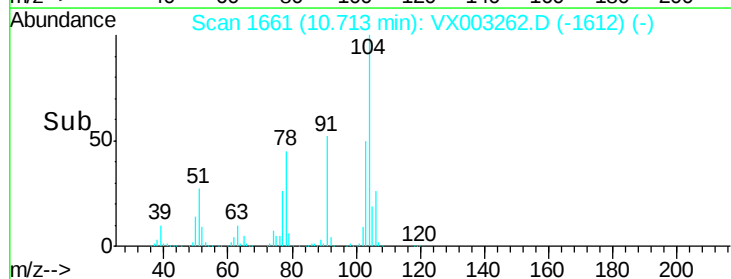
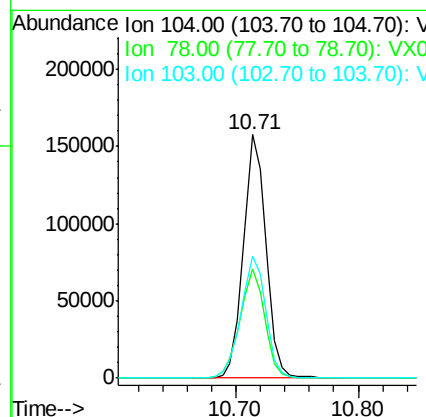
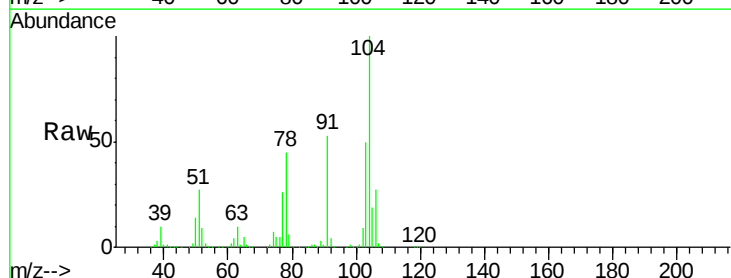
Manual Integrations
APPROVED

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7/10/2018 3:11:56 PM



#70
Styrene
Concen: 19.74 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.5	41.0	61.6	
103	55.3	44.2	66.4	





#71

Bromoform

Concen: 18.66 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion:173 Resp: 56998

Ion Ratio Lower Upper

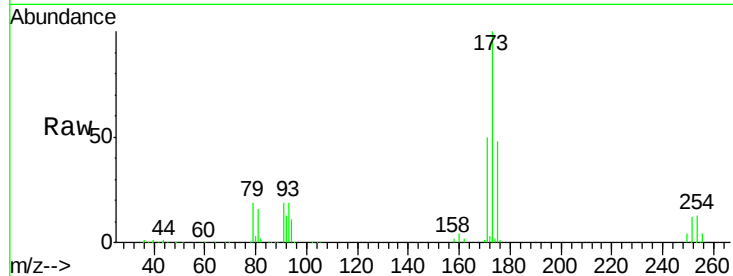
173 100

175 48.7 24.7 74.1

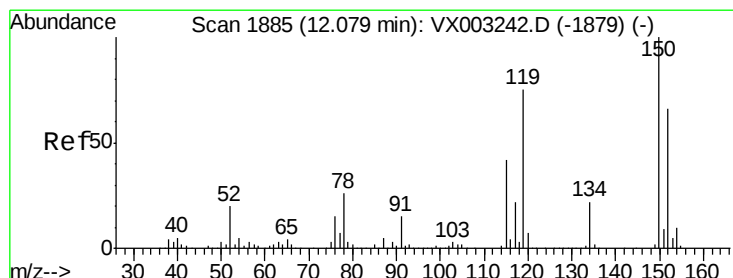
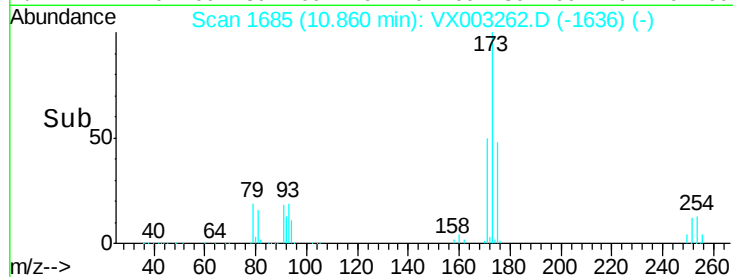
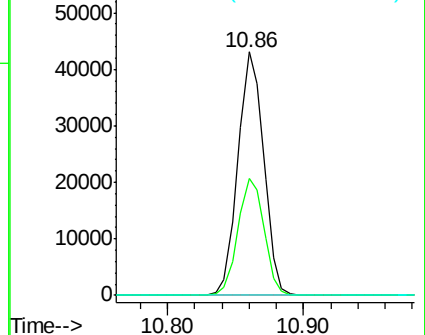
254 0.2 0.2 0.2

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# 1885

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

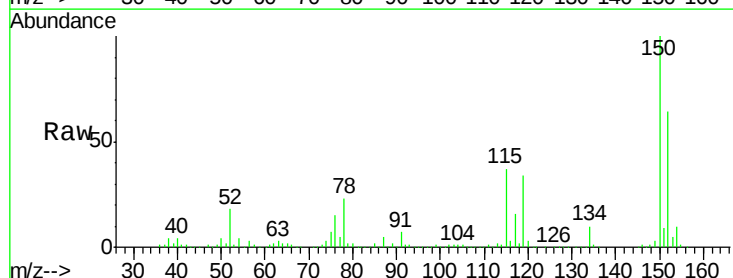
Tgt Ion:152 Resp: 209488

Ion Ratio Lower Upper

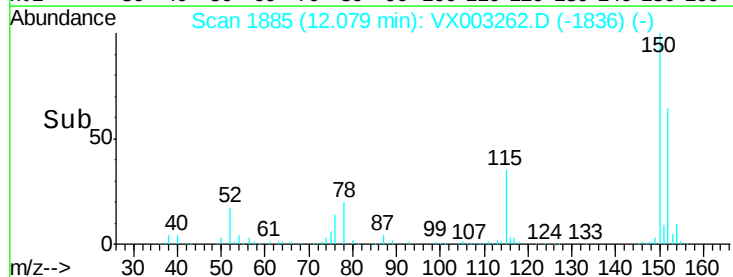
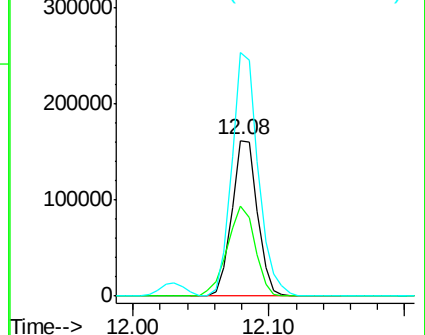
152 100

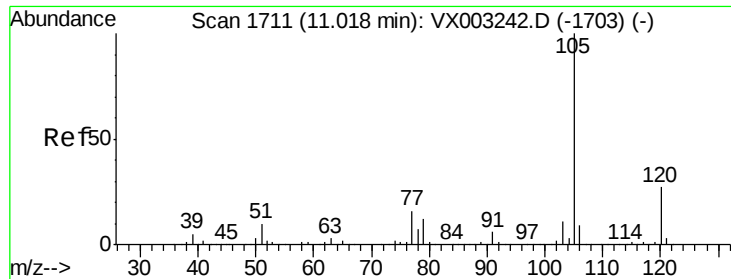
115 63.8 40.1 120.2

150 163.2 0.0 347.2



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: 20.38 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion:105 Resp: 337075

Ion Ratio Lower Upper

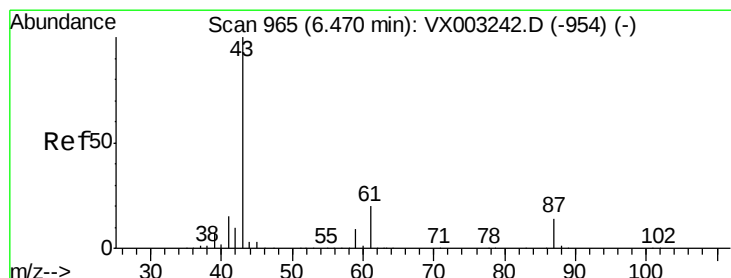
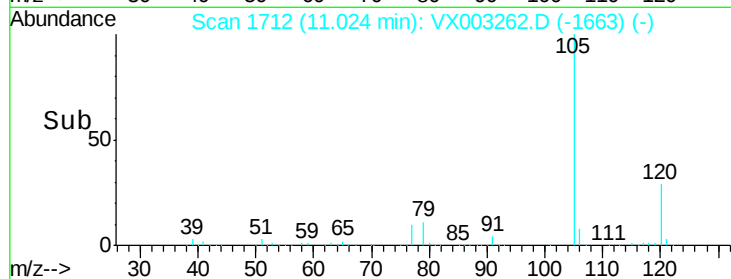
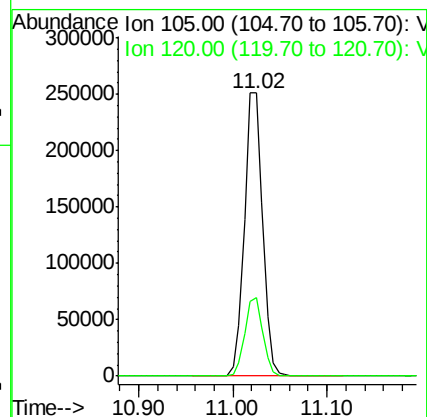
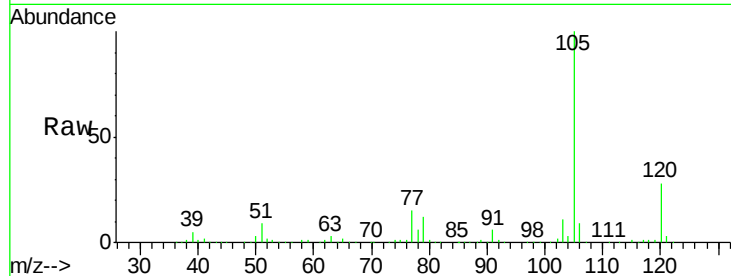
105 100

120 27.4 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.78 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Tgt Ion: 43 Resp: 156079

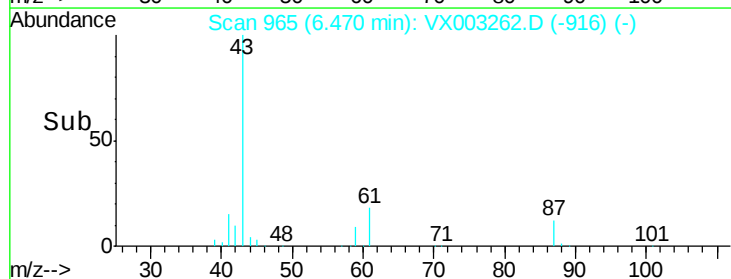
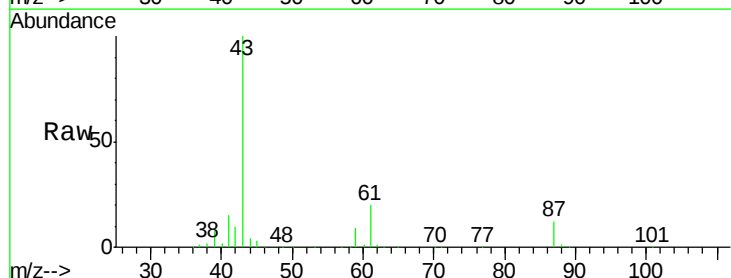
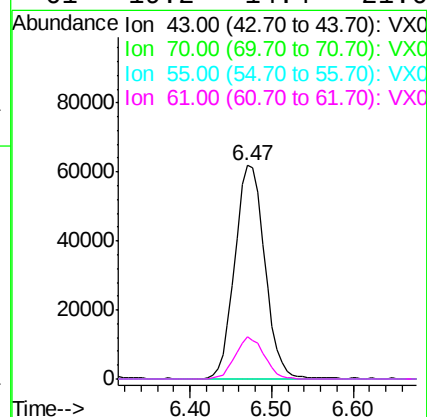
Ion Ratio Lower Upper

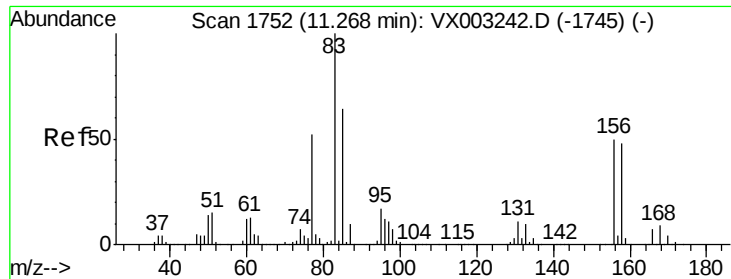
43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0

61 19.2 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.24 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

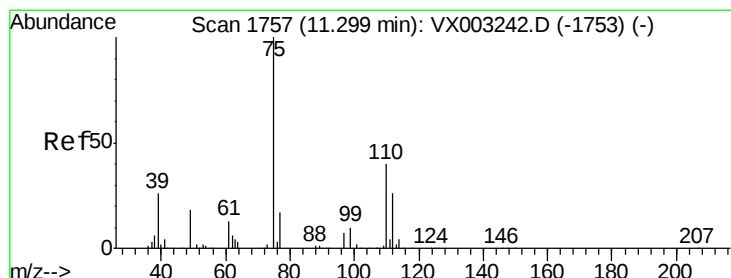
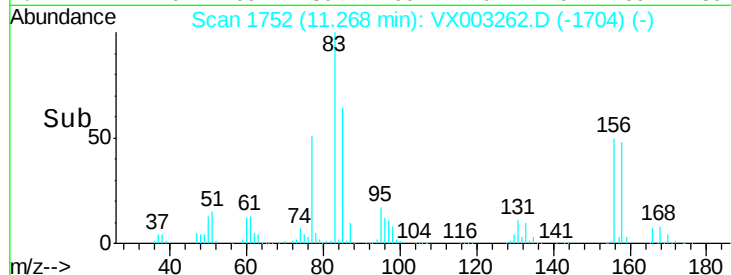
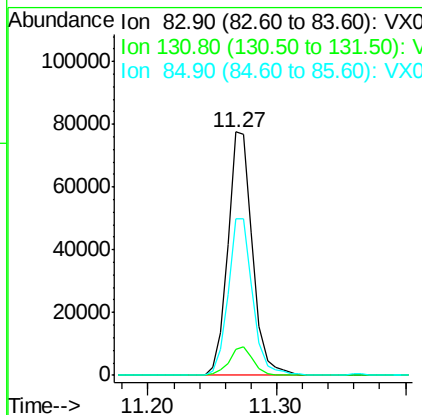
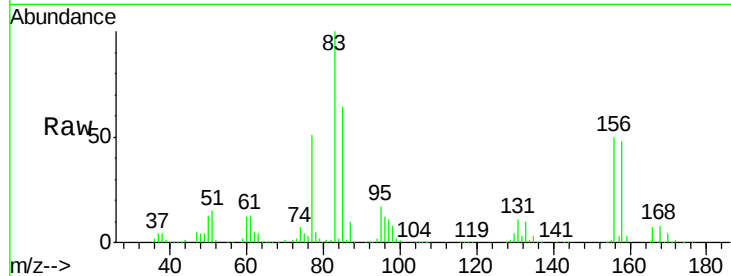
ClientSampled :

VX0709WBSD01

Tot Ion:	83	Resp:	103839
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.6	16.8
85	64.3	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.45 ug/l m

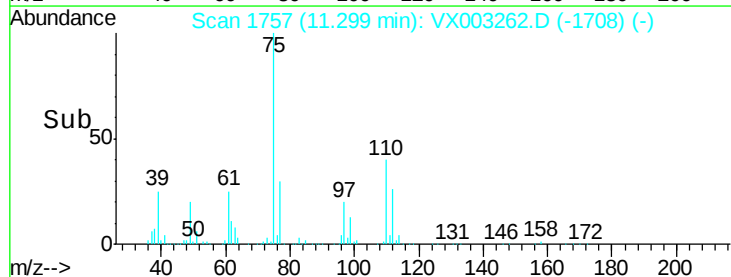
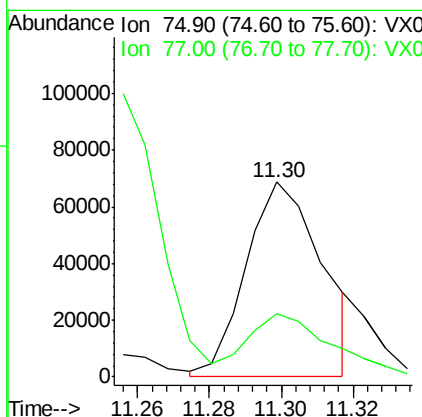
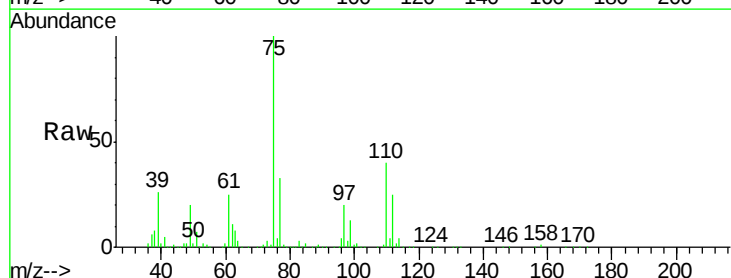
RT: 11.30 min Scan# 1757

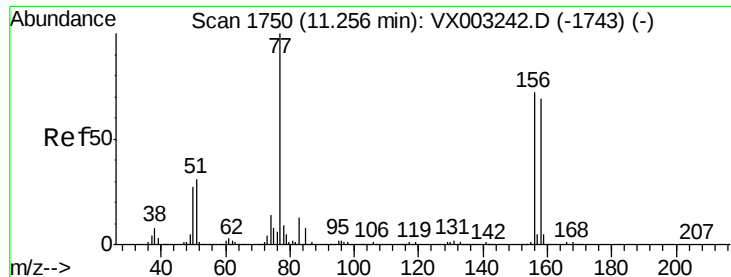
Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Tgt Ion:	75	Resp:	101652
Ion Ratio	Lower	Upper	
75	100		
77	36.2	22.8	68.3





#77

Bromobenzene

Concen: 20.15 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

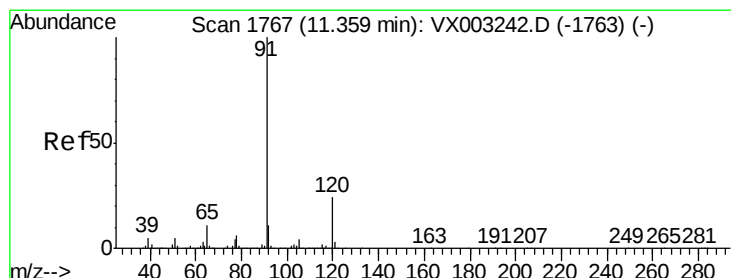
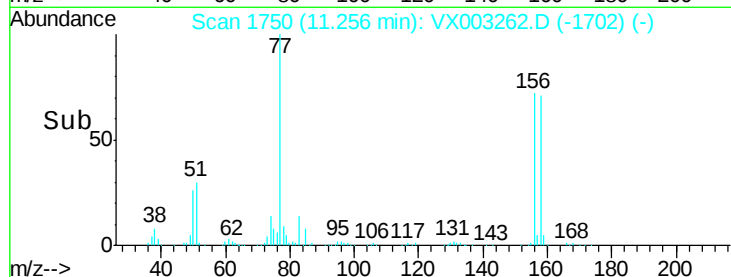
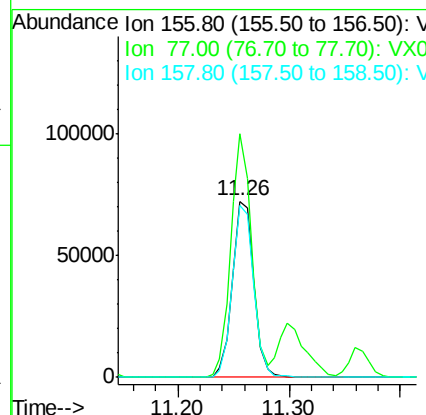
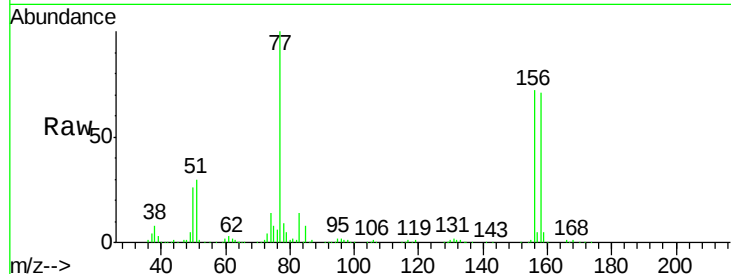
ClientSampleId :

VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.0	71.4	214.2
158	97.6	48.9	146.6

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#78

n-propylbenzene

Concen: 20.42 ug/l

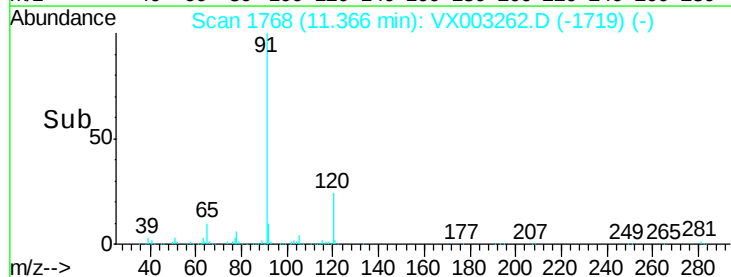
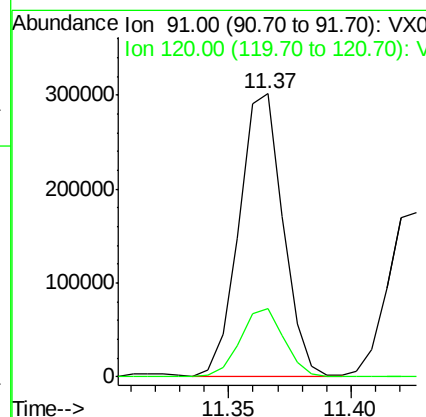
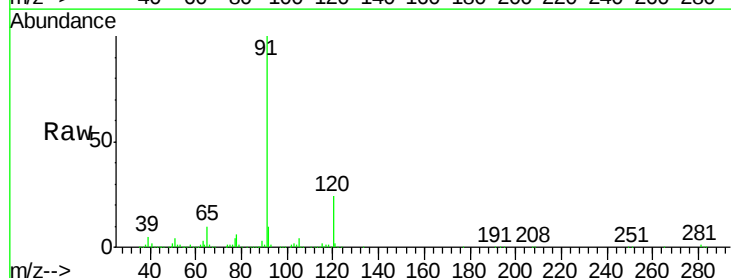
RT: 11.37 min Scan# 1768

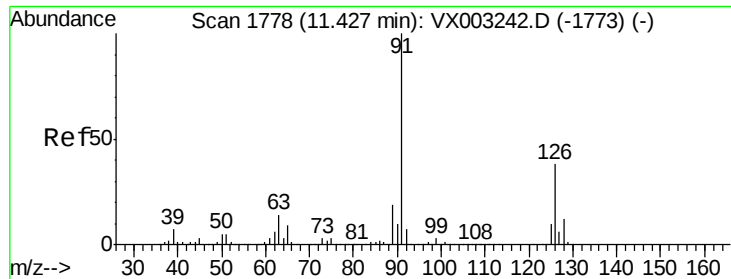
Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.8	35.4





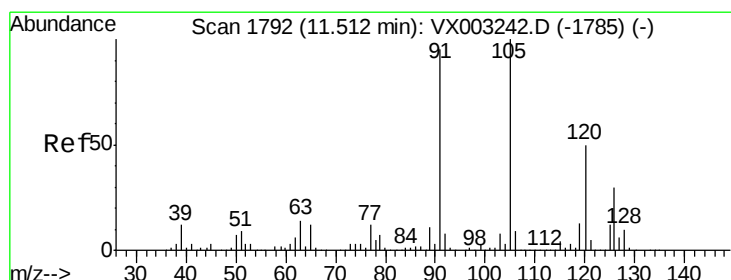
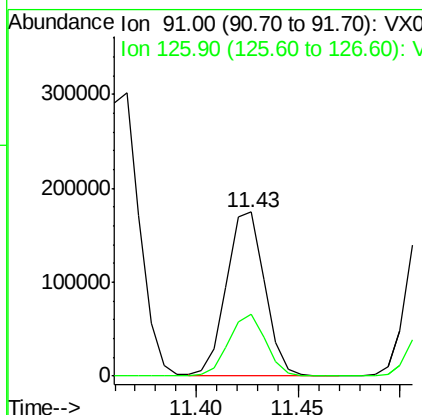
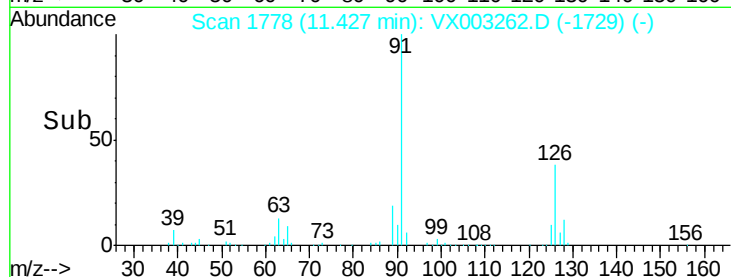
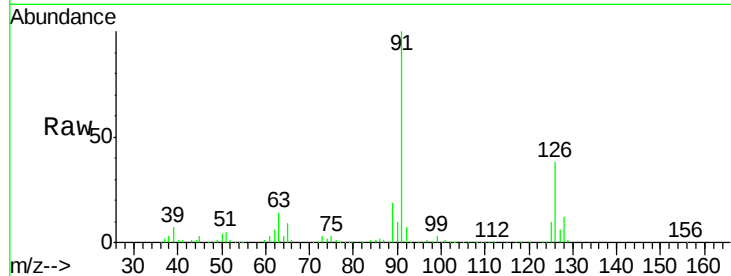
#79
 2-Chlorotoluene
 Concen: 20.12 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion: 91 Resp: 225416
 Ion Ratio Lower Upper
 91 100
 126 37.0 17.7 53.1

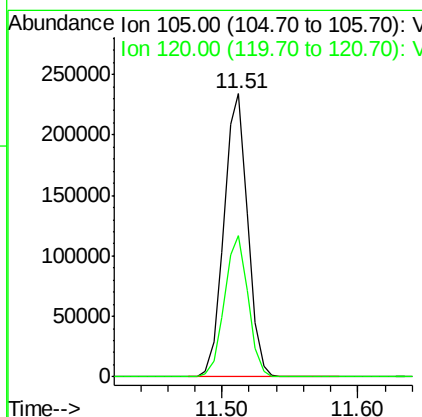
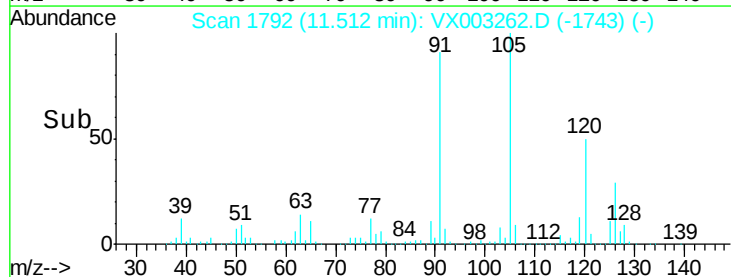
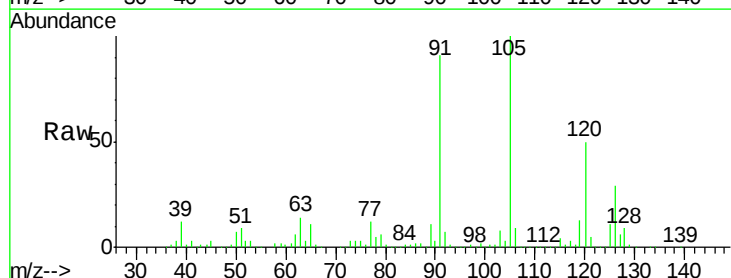
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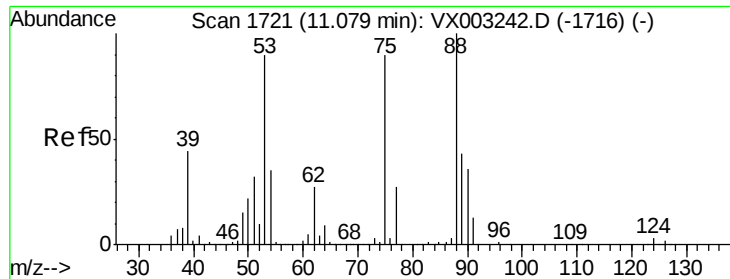
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.50 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Tgt Ion: 105 Resp: 282273
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.4 73.4





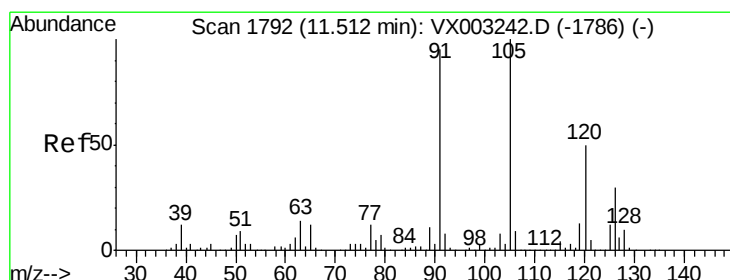
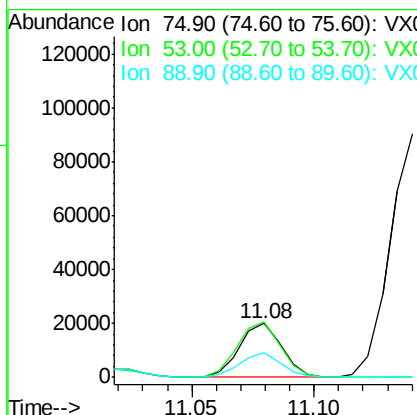
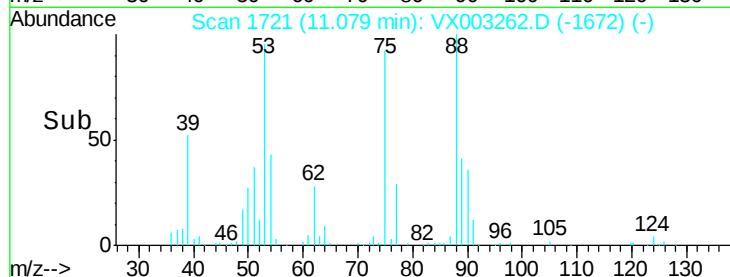
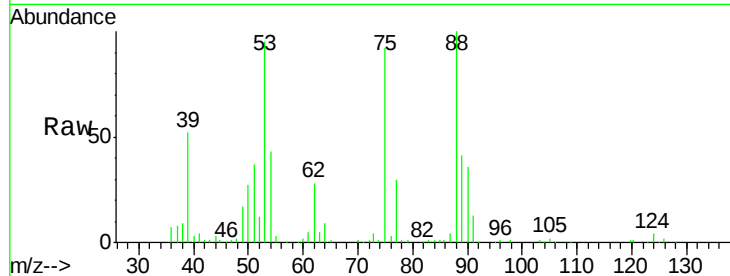
#81
trans-1,4-Dichloro-2-butene
Concen: 17.54 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.3	86.8	130.2
89	45.2	38.2	57.2

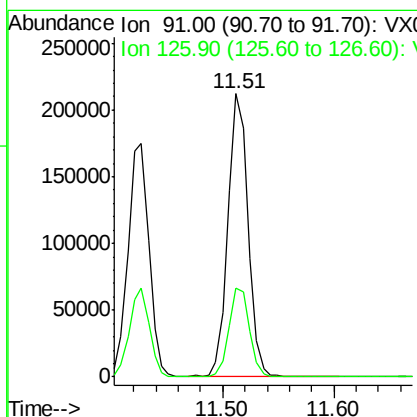
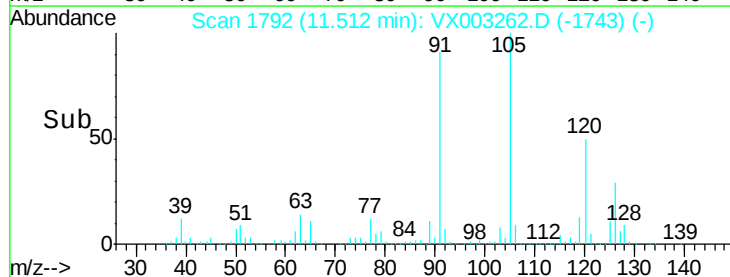
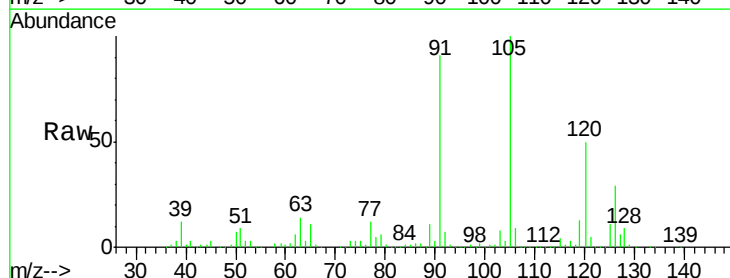
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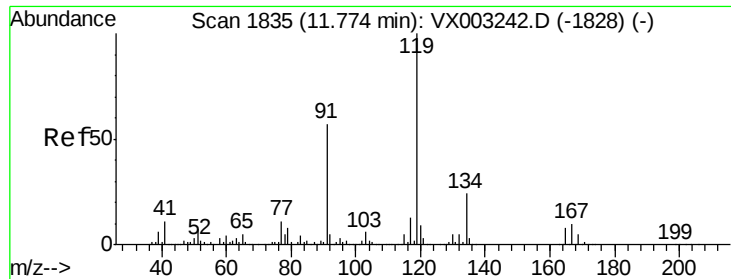
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.26 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.4	46.4





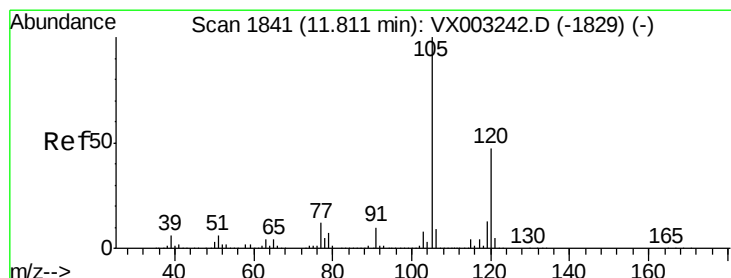
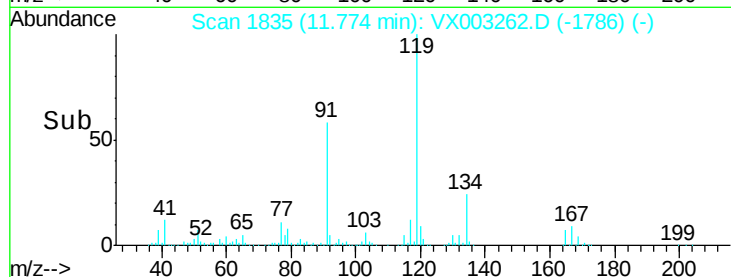
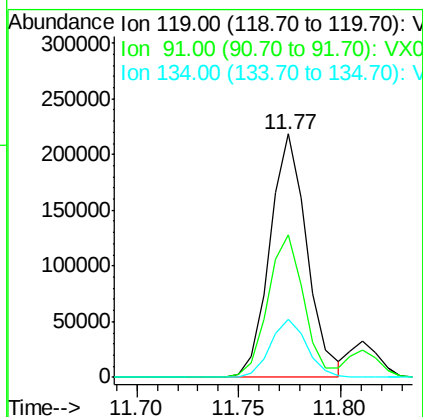
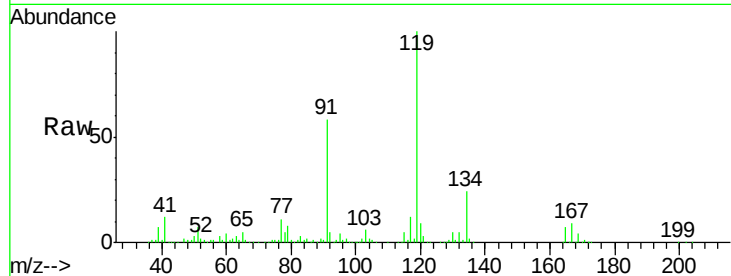
#83
 tert-Butylbenzene
 Concen: 20.06 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	275981		
91	57.5		30.3	90.9
134	23.8		11.7	35.1

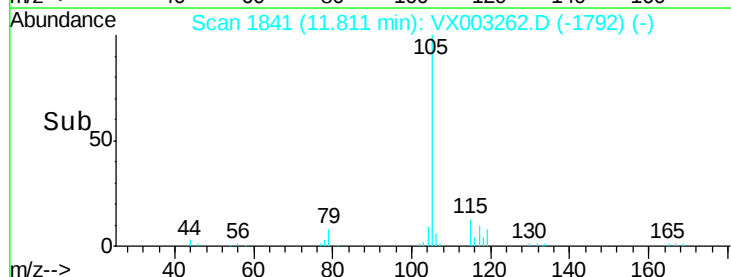
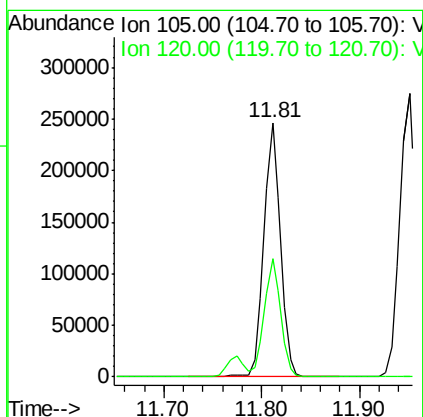
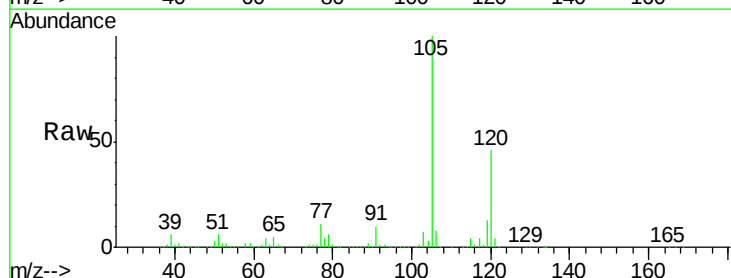
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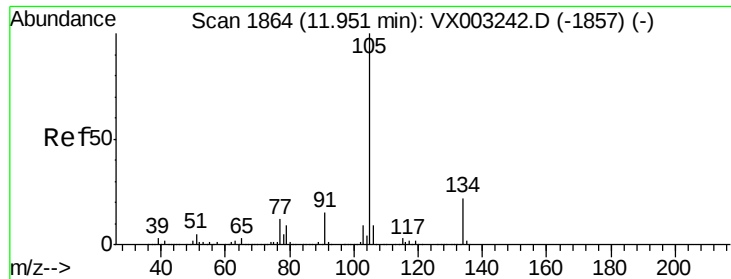
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.62 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	290766		
120	46.0		22.3	66.8





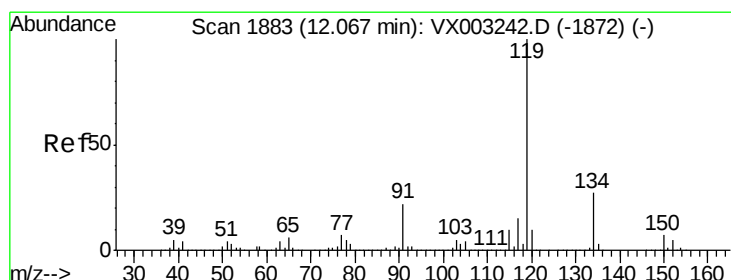
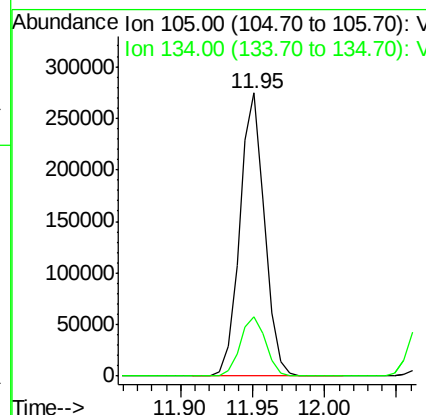
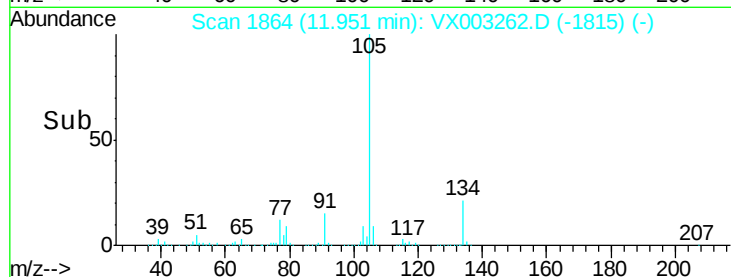
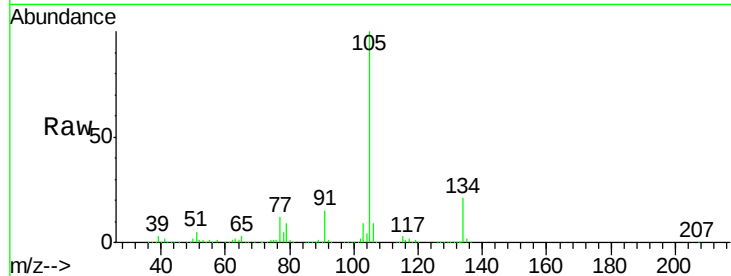
#85
 sec-Butylbenzene
 Concen: 20.13 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.4	31.1

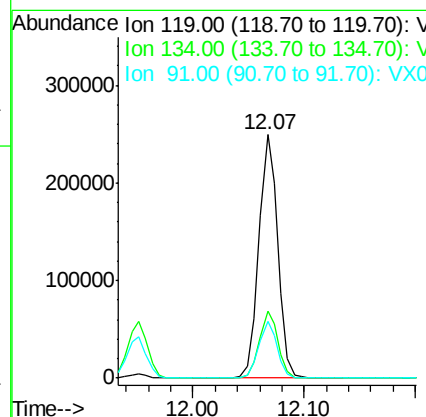
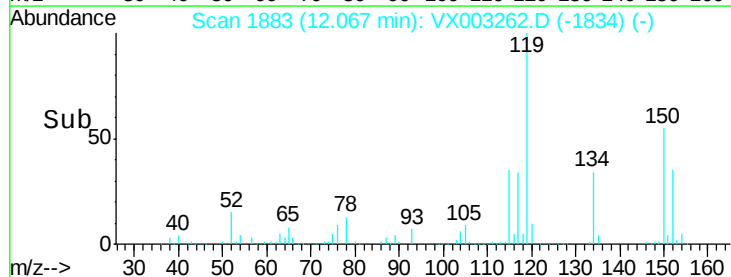
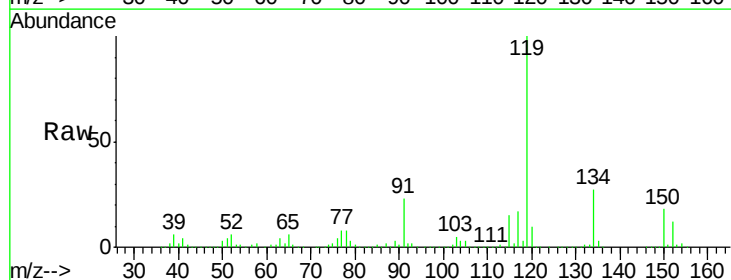
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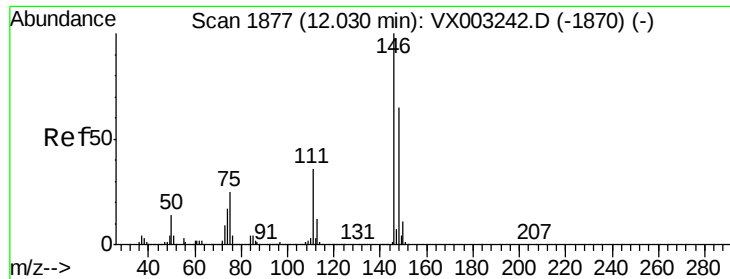
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#86
 p-Isopropyltoluene
 Concen: 19.84 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.4	40.1
91	22.7	11.9	35.7





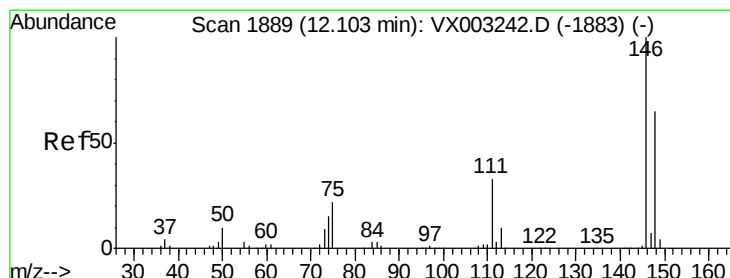
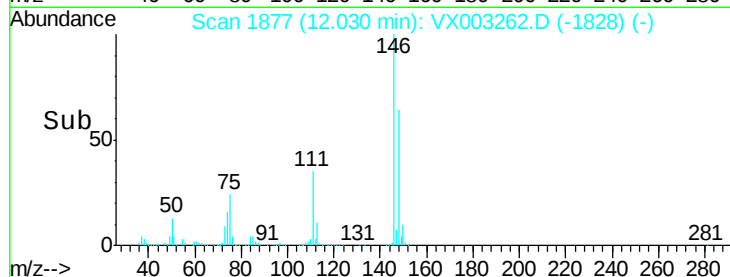
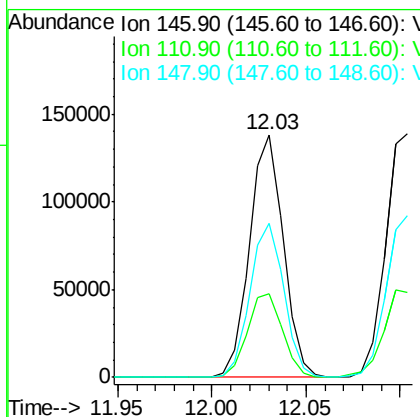
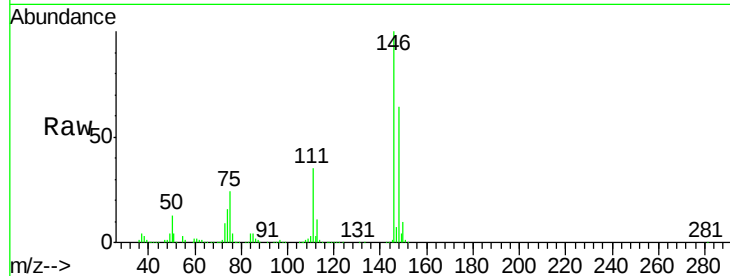
#87
 1,3-Dichlorobenzene
 Concen: 19.66 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.9	56.7
148	63.9	32.1	96.3

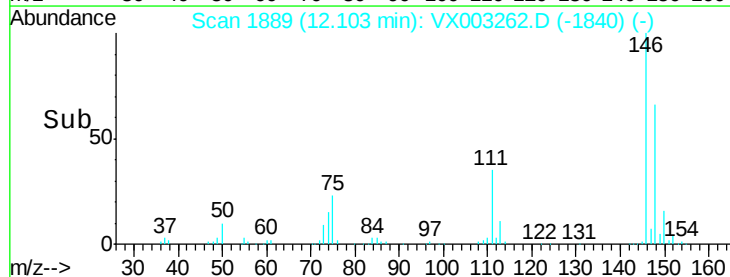
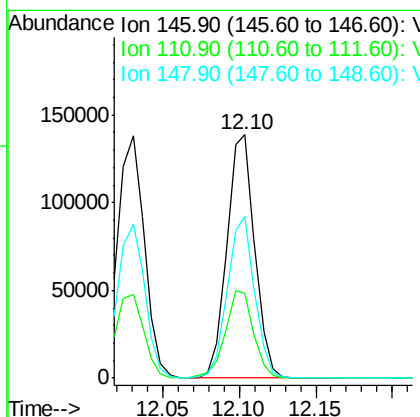
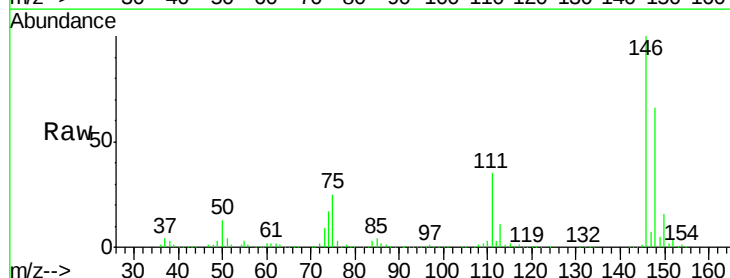
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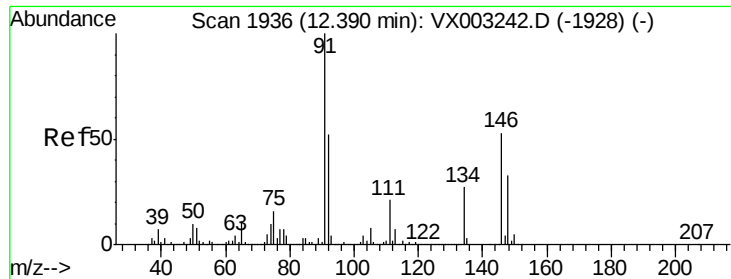
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#88
 1,4-Dichlorobenzene
 Concen: 19.58 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.7	56.1
148	65.4	32.4	97.0





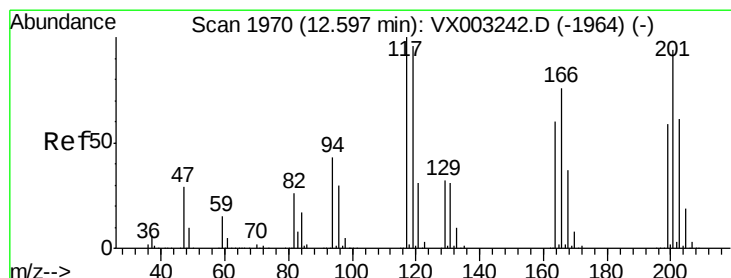
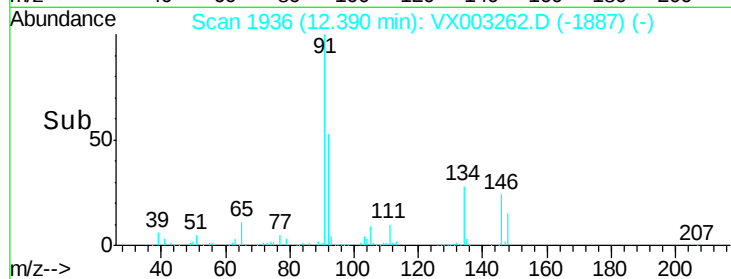
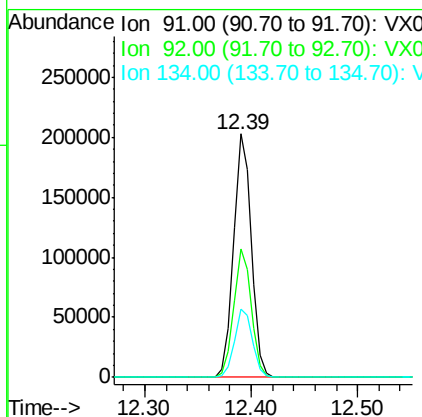
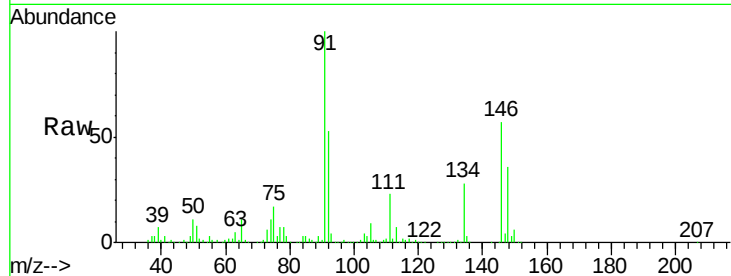
#89
n-Butylbenzene
Concen: 19.27 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	238494		
92	52.4	26.0	78.0	
134	28.2	13.5	40.5	

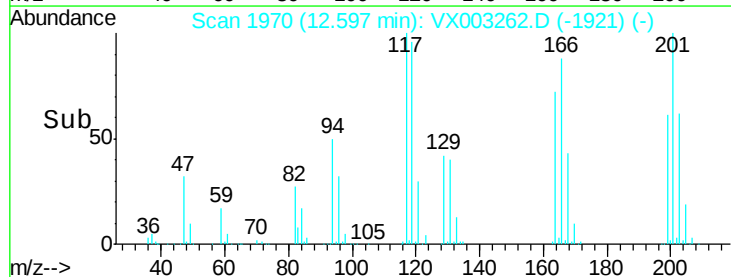
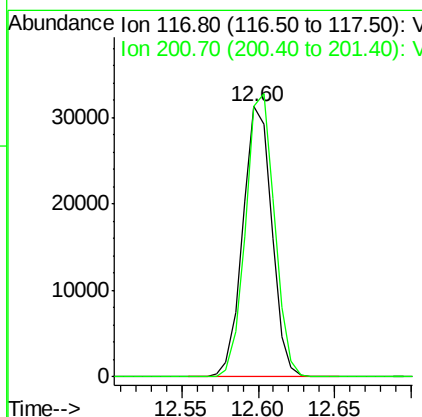
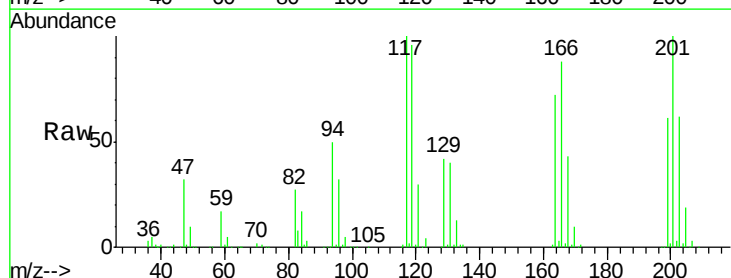
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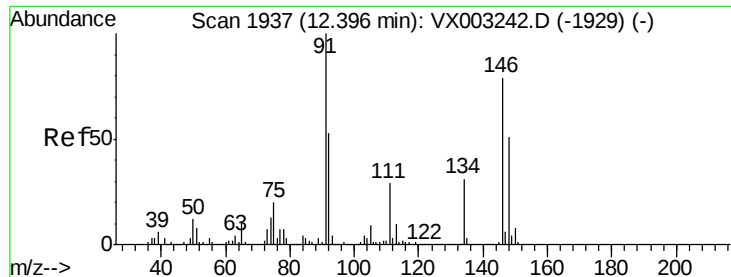
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#90
Hexachloroethane
Concen: 18.22 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003262.D
Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41201		
201	103.9	49.0	147.0	





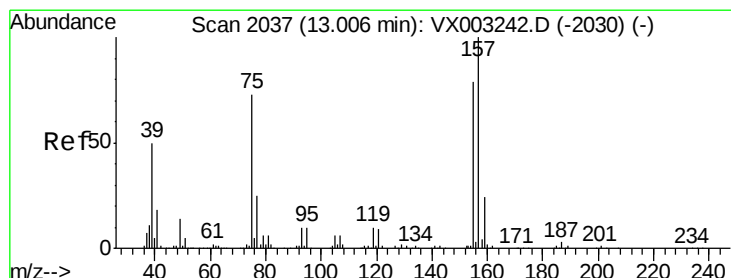
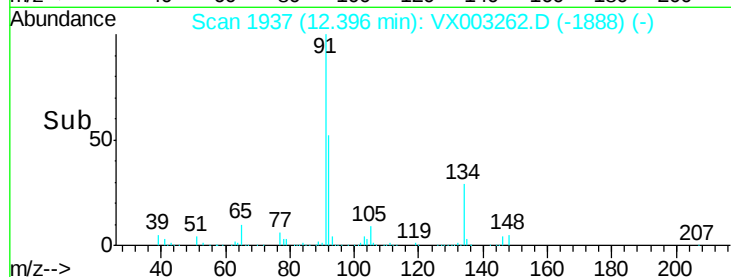
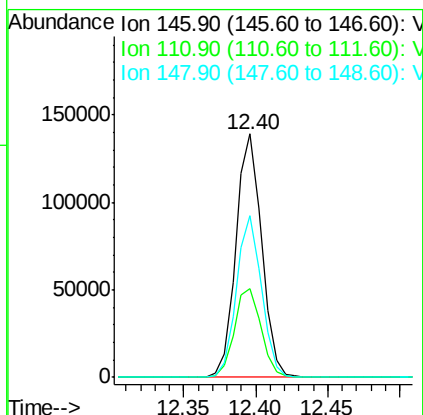
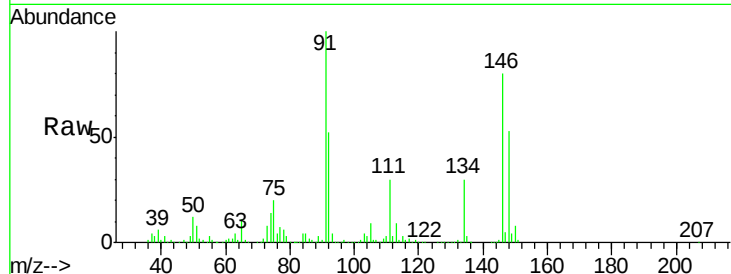
#91
 1,2-Dichlorobenzene
 Concen: 19.73 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.1
148	64.6	31.7	95.1

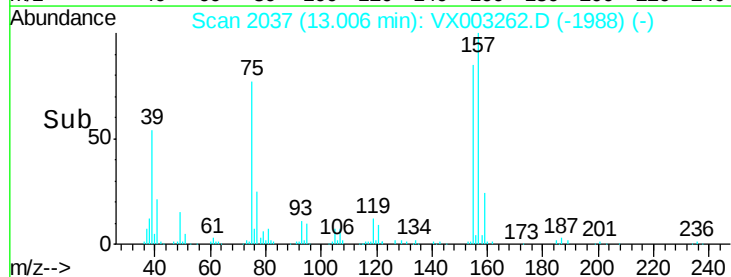
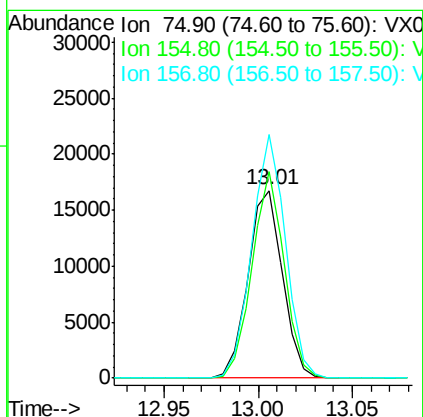
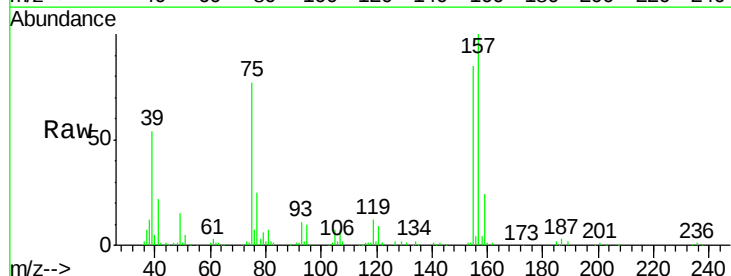
Manual Integrations
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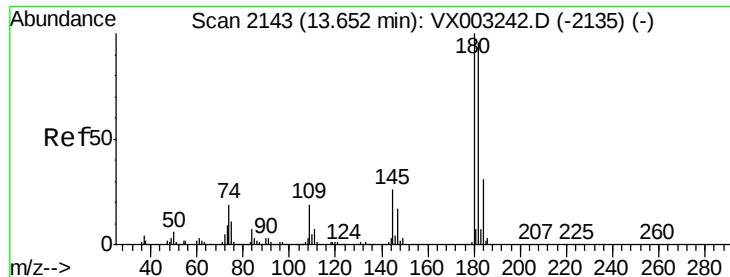
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.33 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	45.8	137.4
157	126.1	60.1	180.3





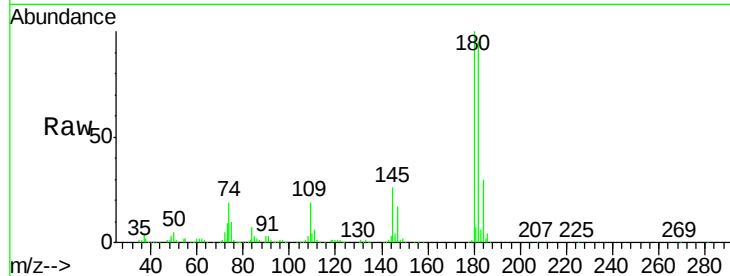
#93
 1,2,4-Trichlorobenzene
 Concen: 19.87 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

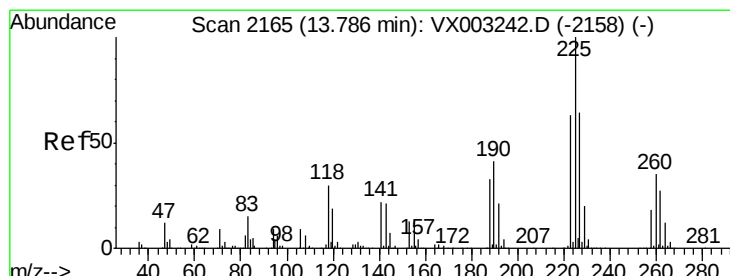
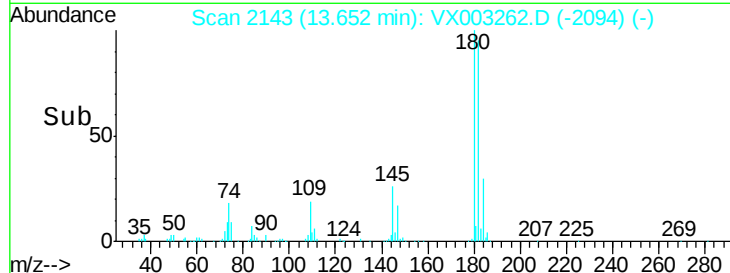
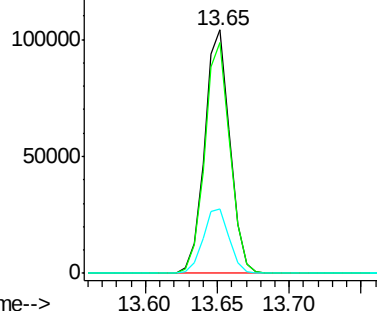
Tot Ion	Ratio	Resp	Lower	Upper
180	100	127231		
182	94.7	47.7	143.1	
145	27.3	14.1	42.4	

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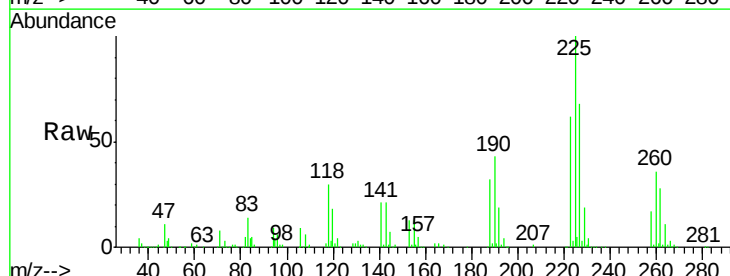


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

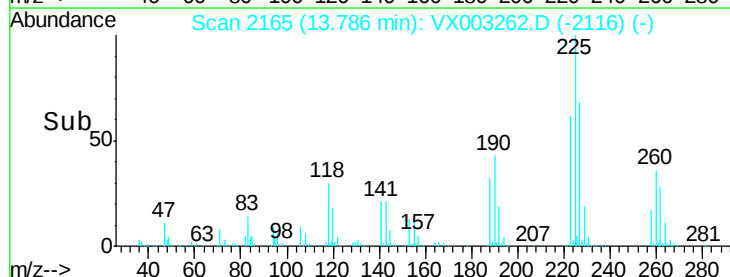
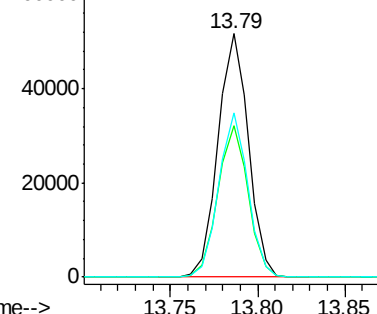


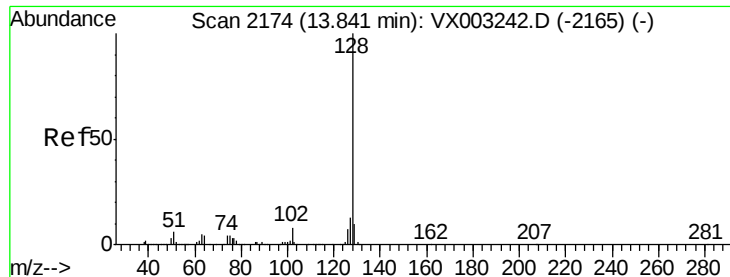
#94
 Hexachlorobutadiene
 Concen: 19.53 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003262.D
 Acq: 09 Jul 2018 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62242		
223	61.7	31.6	95.0	
227	64.9	32.4	97.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.91 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Instrument :

MSVOA_X

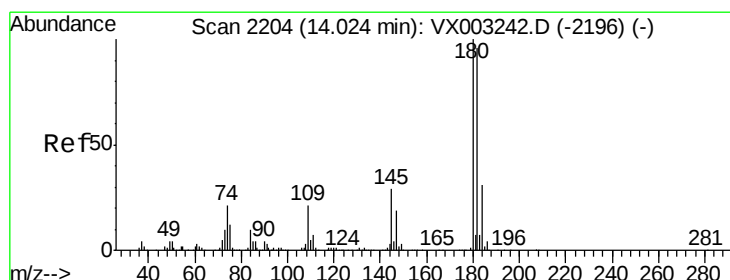
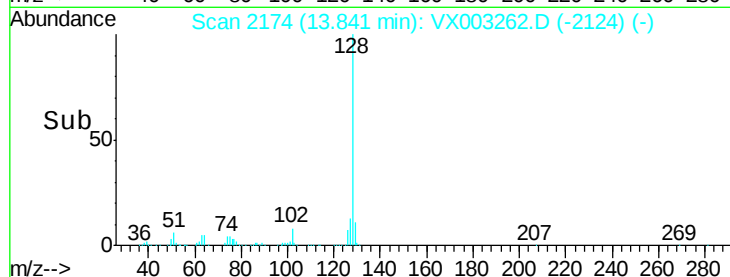
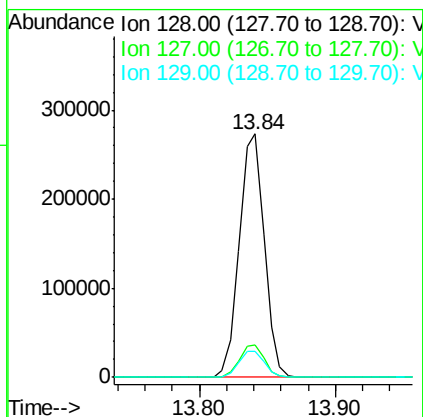
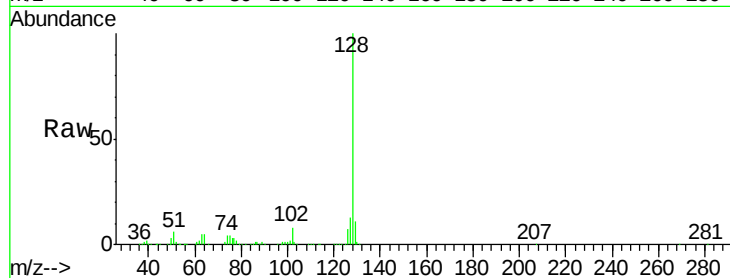
ClientSampleId :

VX0709WBSD01

Tot Ion:	128	Resp:	350195
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:56 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.11 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003262.D

Acq: 09 Jul 2018 23:37

Tgt Ion:	180	Resp:	128402
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.0	144.0
145	28.2	14.8	44.3

