

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032318\
 Data File : VX000424.D
 Acq On : 23 Mar 2018 12:36
 Operator : JC/MD
 Sample : VX0323WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBS01

Manual Integrations
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 3/26/2018 2:36:19 PM

Quant Time: Mar 24 06:06:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	131924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	206358	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	208438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	113829	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	83307	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	5.51	113	64874	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	8.72	98	265706	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.15	95	96835	43.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	28486	19.59	ug/l	100
3) Chloromethane	1.32	50	26425	17.25	ug/l	93
4) Vinyl Chloride	1.41	62	32662	20.18	ug/l	96
5) Bromomethane	1.64	94	22647	11.72	ug/l	99
6) Chloroethane	1.73	64	21509	23.40	ug/l	96
7) Trichlorofluoromethane	1.93	101	57115	19.55	ug/l	98
8) Diethyl Ether	2.19	74	20501	19.64	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34063	20.91	ug/l	98
10) Methyl Iodide	2.52	142	19112	15.10	ug/l	100
11) Tert butyl alcohol	3.06	59	70632	119.24	ug/l	97
12) 1,1-Dichloroethene	2.38	96	28338	19.82	ug/l	98
13) Acrolein	2.30	56	17627	102.34	ug/l	98
14) Allyl chloride	2.73	41	53898	21.28	ug/l	98
15) Acrylonitrile	3.15	53	129181	107.67	ug/l	99
16) Acetone	2.45	43	166562	116.27	ug/l	96
17) Carbon Disulfide	2.57	76	71878	18.91	ug/l	96
18) Methyl Acetate	2.78	43	66169	22.03	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	106421	20.12	ug/l	96
20) Methylene Chloride	2.86	84	33052	19.98	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	30666	19.23	ug/l	97
22) Diisopropyl ether	3.88	45	100875	22.57	ug/l	97
23) Vinyl Acetate	3.83	43	484129	114.25	ug/l	98
24) 1,1-Dichloroethane	3.71	63	59184	21.06	ug/l	99
25) 2-Butanone	4.71	43	178347	110.76	ug/l	99
26) 2,2-Dichloropropane	4.59	77	40417	20.52	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	29936	20.08	ug/l	98
28) Bromochloromethane	5.03	49	22243	19.19	ug/l	99
29) Tetrahydrofuran	5.17	42	106596	107.60	ug/l	100
30) Chloroform	5.23	83	54124	20.55	ug/l	93
31) Cyclohexane	5.58	56	41110	18.92	ug/l	91
32) 1,1,1-Trichloroethane	5.51	97	46622	19.62	ug/l	97
36) 1,1-Dichloropropene	5.81	75	39146	20.25	ug/l	99
37) Ethyl Acetate	4.87	43	54764	20.74	ug/l	99
38) Carbon Tetrachloride	5.79	117	40141	19.79	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	46987	19.99	ug/l	91
40) Benzene	6.15	78	114100	20.33	ug/l	96
41) Methacrylonitrile	5.06	41	28298	20.33	ug/l	95
42) 1,2-Dichloroethane	6.20	62	45926	20.85	ug/l	98
43) Isopropyl Acetate	6.48	43	78513	19.98	ug/l	98
44) Trichloroethene	7.22	130	32951	20.49	ug/l	93
45) 1,2-Dichloropropane	7.52	63	30402	21.16	ug/l	98
46) Dibromomethane	7.67	93	23152	20.53	ug/l	98
47) Bromodichloromethane	7.91	83	41375	20.85	ug/l	98
48) Methyl methacrylate	7.79	41	40331	21.14	ug/l	97
49) 1,4-Dioxane	7.76	88	18338	457.21	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	332958	109.45	ug/l	97
52) Toluene	8.79	92	78927	20.11	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	46557	20.25	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	44272	19.85	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	33516	20.77	ug/l	98
56) Ethyl methacrylate	9.19	69	48105	19.67	ug/l	98
57) 1,3-Dichloropropane	9.38	76	54056	20.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	83134	70.83	ug/l	99
59) 2-Hexanone	9.51	43	286834	111.04	ug/l	98
60) Dibromochloromethane	9.59	129	33244	20.09	ug/l	94
61) 1,2-Dibromoethane	9.68	107	35698	20.63	ug/l	98
64) Tetrachloroethene	9.34	164	33806	20.90	ug/l	93
65) Chlorobenzene	10.15	112	93680	20.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	31474	19.98	ug/l	99
67) Ethyl Benzene	10.26	91	159574	20.29	ug/l	98
68) m/p-Xylenes	10.37	106	124805	40.33	ug/l	98
69) o-Xylene	10.71	106	60112	20.06	ug/l	97
70) Styrene	10.72	104	97439	19.66	ug/l	98
71) Bromoform	10.87	173	25585	18.87	ug/l #	98
73) Isopropylbenzene	11.02	105	168252	22.31	ug/l	98
74) N-amyl acetate	6.48	43	78513	22.04	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	59150	22.17	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	54297m	22.20	ug/l	
77) Bromobenzene	11.26	156	41288	20.55	ug/l	99
78) n-propylbenzene	11.37	91	193028	21.46	ug/l	99
79) 2-Chlorotoluene	11.43	91	110280	21.23	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	132979	20.97	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.09	75	15714	20.80	ug/l	93
82) 4-Chlorotoluene	11.52	91	131468	21.19	ug/l	100
83) tert-Butylbenzene	11.78	119	134732	21.07	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	144467	21.73	ug/l	98
85) sec-Butylbenzene	11.96	105	172558	21.81	ug/l	98
86) p-Isopropyltoluene	12.07	119	149803	21.31	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	79029	20.80	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	79479	19.93	ug/l	96
89) n-Butylbenzene	12.40	91	135207	20.66	ug/l	98
90) Hexachloroethane	12.60	117	23923	21.63	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	77401	20.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16903	22.72	ug/l	91

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MSVOA_X
ClientSampleId :
VX0323WBS01

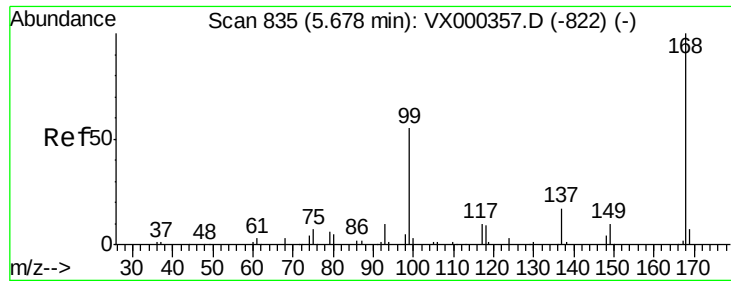
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54582	20.44	ug/l	98
94) Hexachlorobutadiene	13.79	225	25407	22.98	ug/l	96
95) Naphthalene	13.84	128	197843	21.27	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	56879	21.56	ug/l	98

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



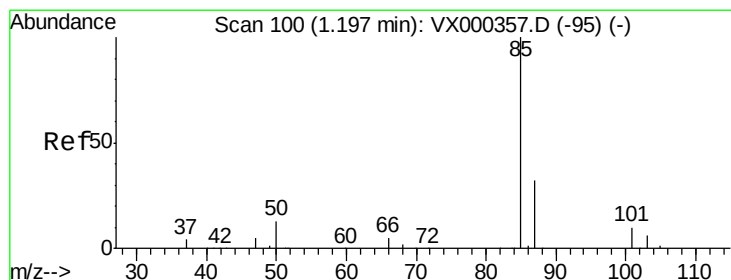
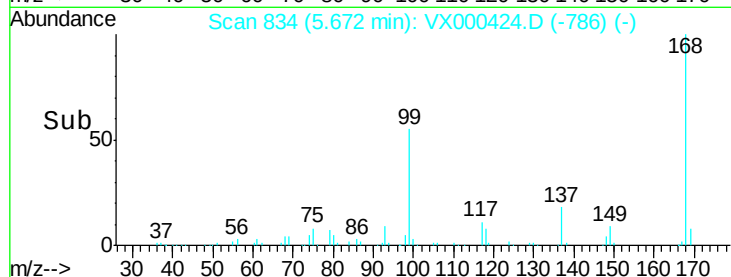
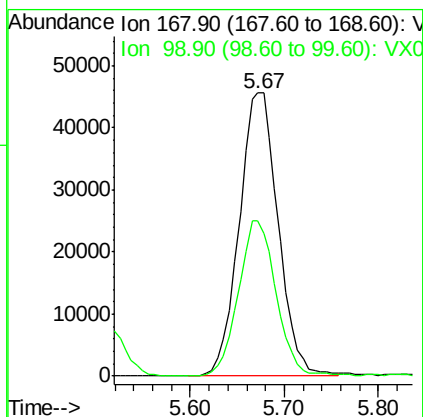
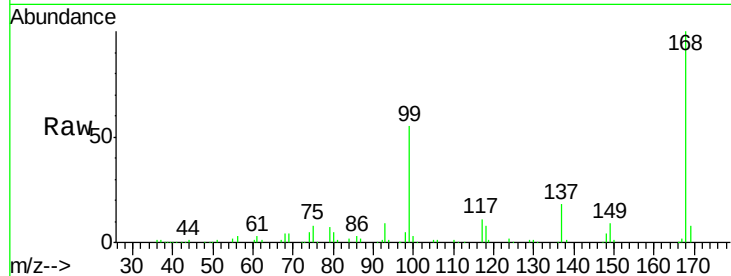
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.01 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.8	45.8	68.6

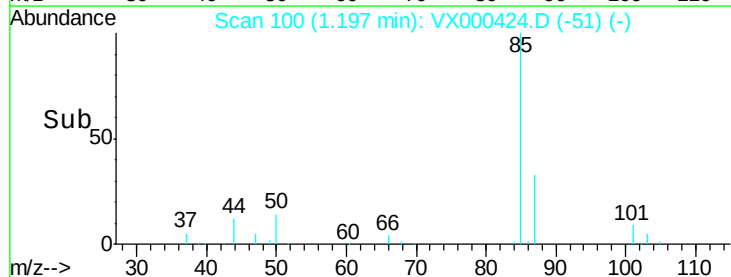
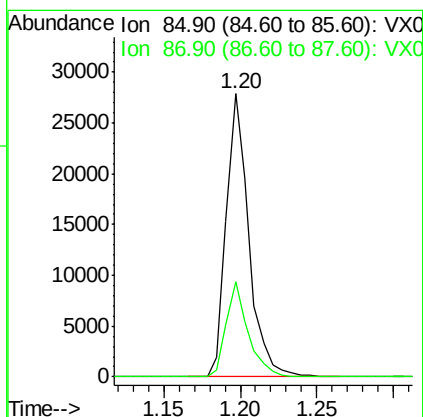
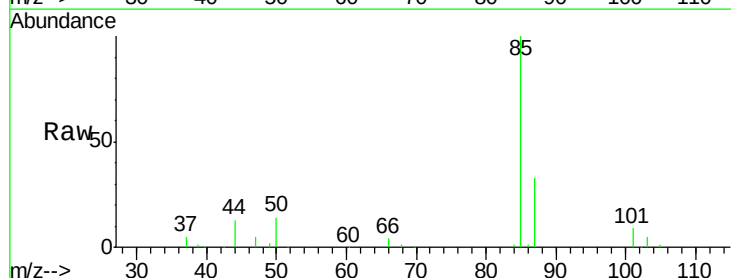
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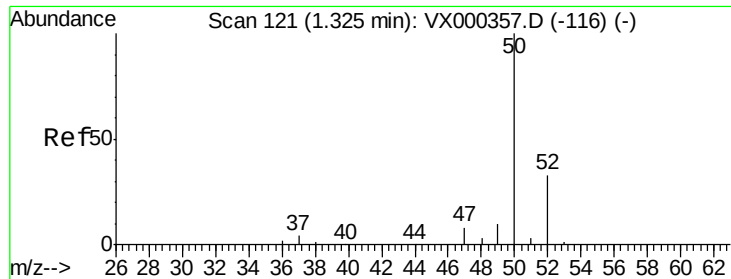
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#2
Dichlorodifluoromethane
Concen: 19.59 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3





#3

Chloromethane

Concen: 17.25 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion: 50 Resp: 26425

Ion Ratio Lower Upper

50 100

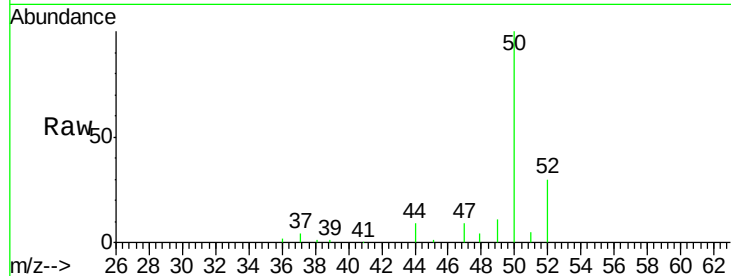
52 30.2 27.5 41.3

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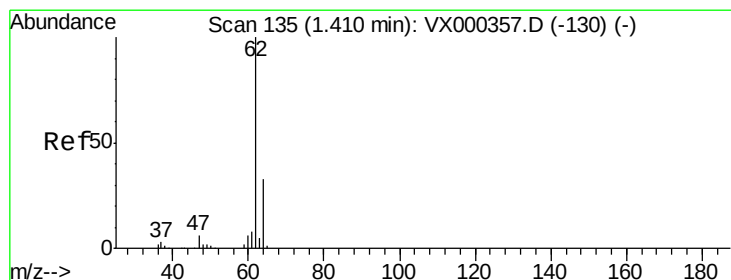
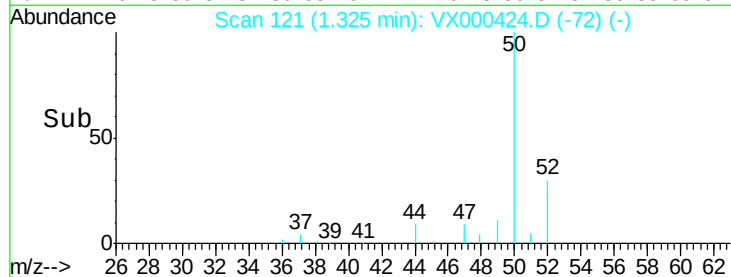
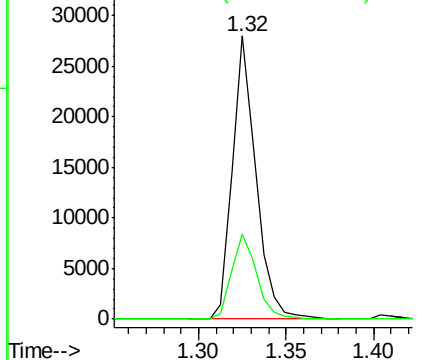
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.18 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000424.D

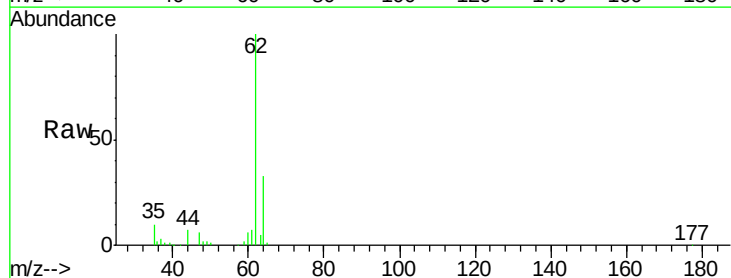
Acq: 23 Mar 2018 12:36

Tgt Ion: 62 Resp: 32662

Ion Ratio Lower Upper

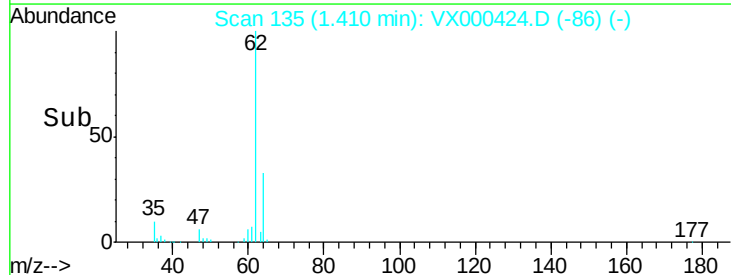
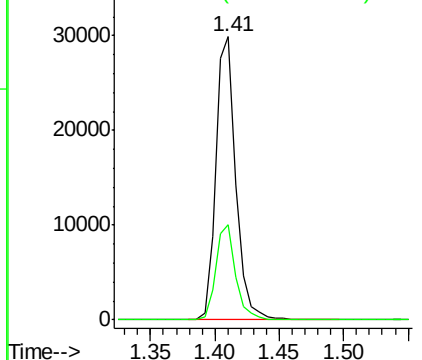
62 100

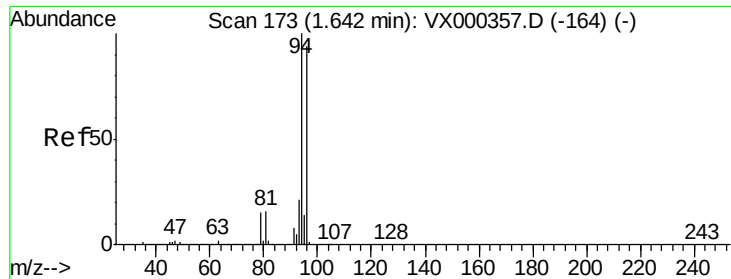
64 33.4 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 11.72 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion: 94 Resp: 22647

Ion Ratio Lower Upper

94 100

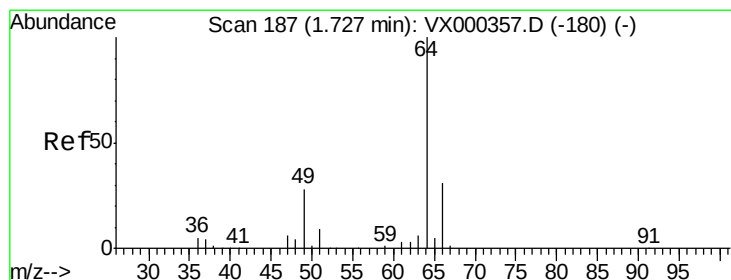
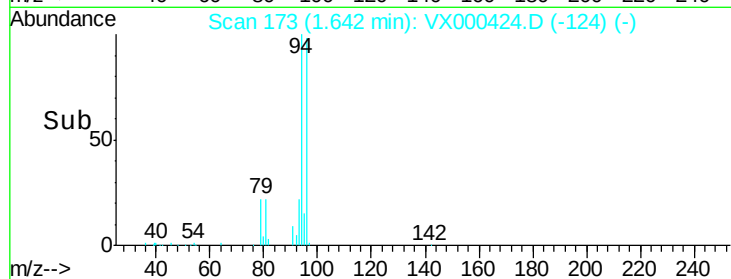
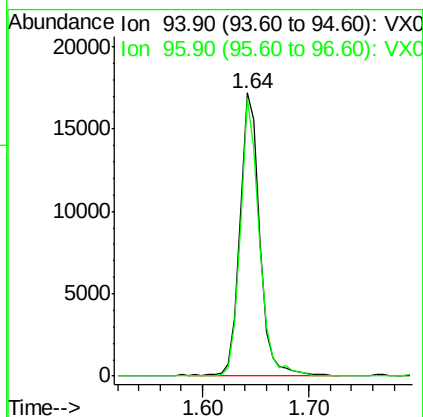
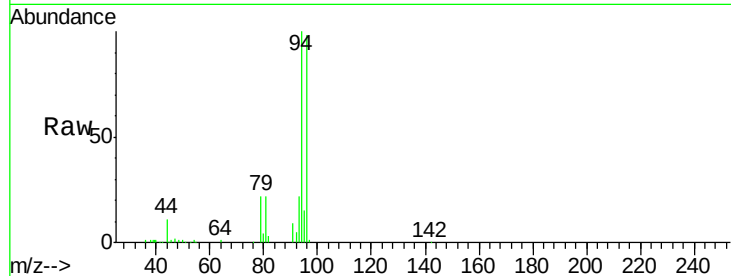
96 98.2 77.7 116.5

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#6

Chloroethane

Concen: 23.40 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000424.D

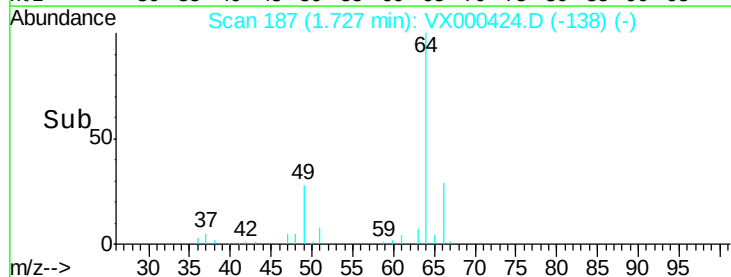
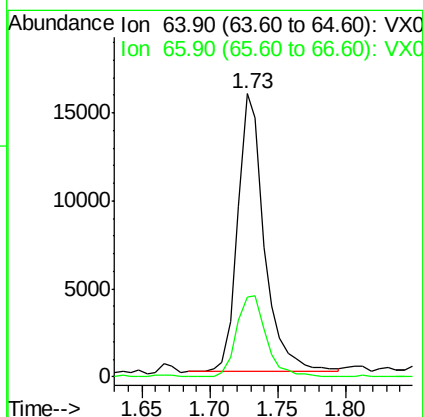
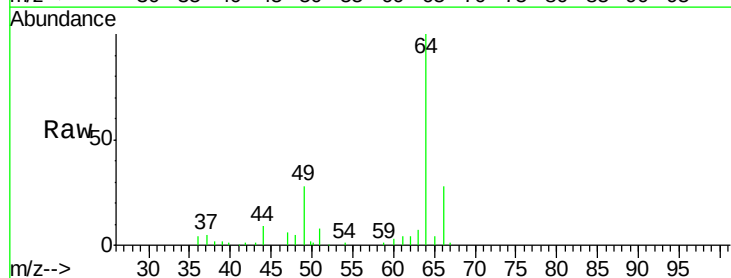
Acq: 23 Mar 2018 12:36

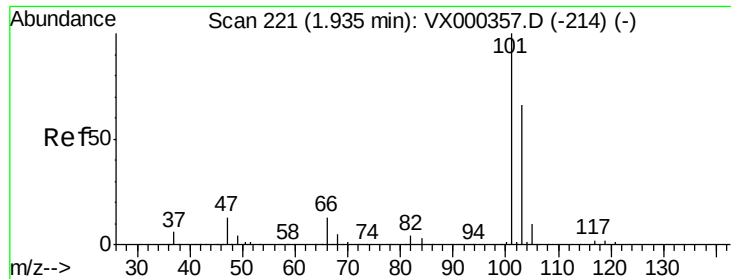
Tgt Ion: 64 Resp: 21509

Ion Ratio Lower Upper

64 100

66 28.6 24.8 37.2





#7

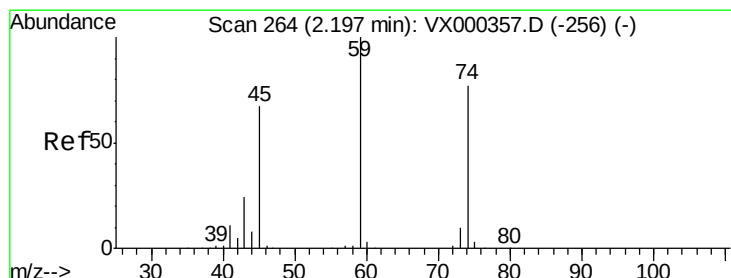
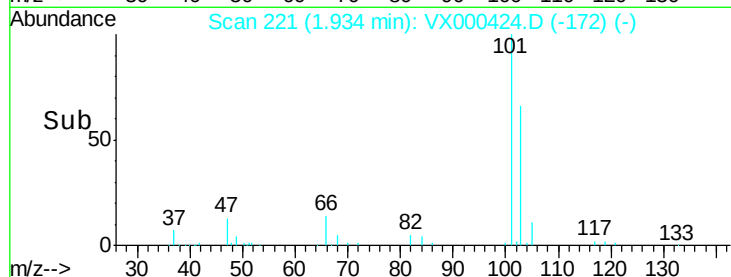
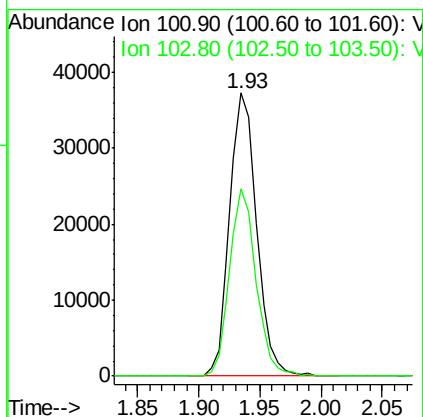
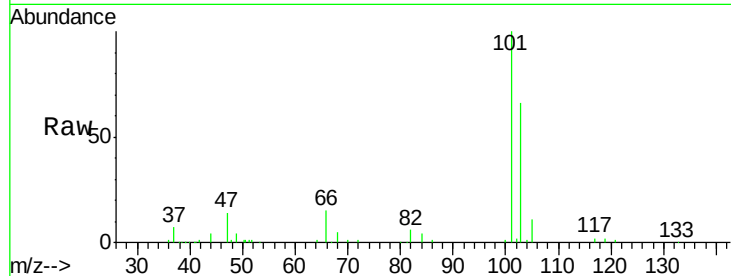
Trichlorofluoromethane
Concen: 19.55 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampled :
VX0323WBS01

Tot Ion:101 Resp: 57115
Ion Ratio Lower Upper
101 100
103 66.0 51.6 77.4

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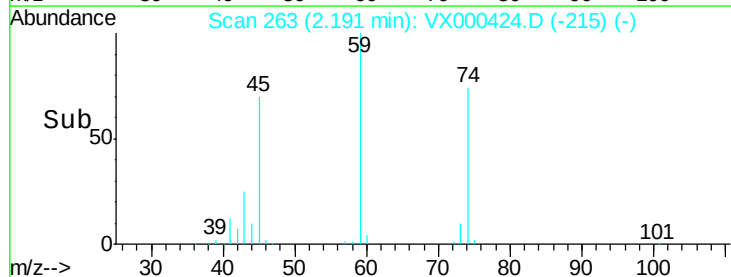
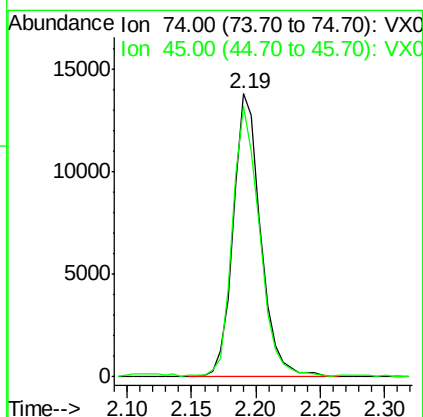
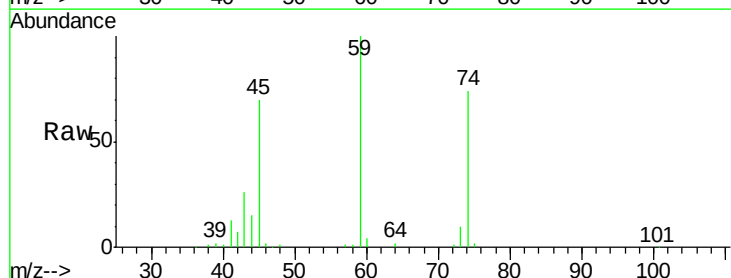
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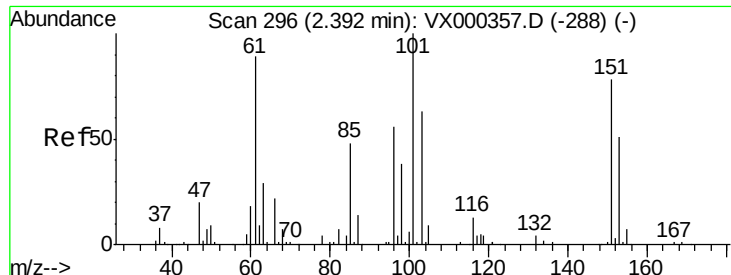


#8

Diethyl Ether
Concen: 19.64 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion: 74 Resp: 20501
Ion Ratio Lower Upper
74 100
45 95.6 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.91 ug/l

RT: 2.39 min Scan# 296

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

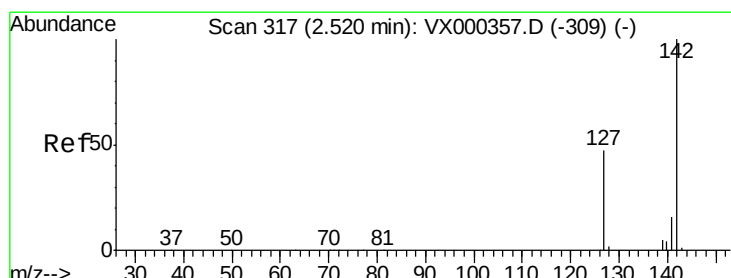
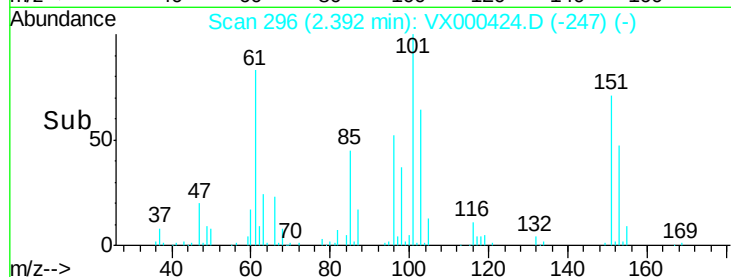
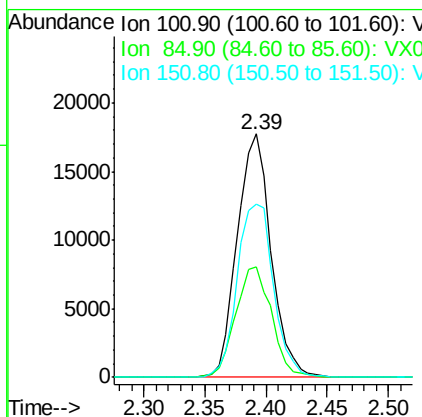
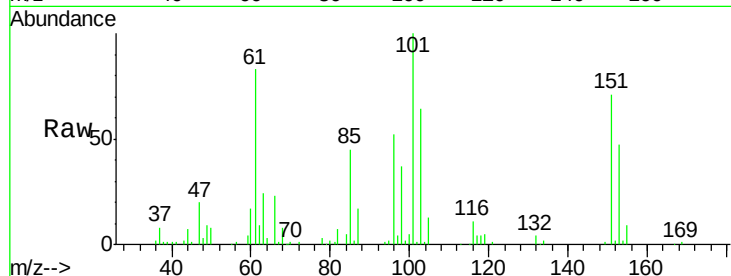
ClientSampleId :

VX0323WBS01

Tot Ion:	101	Resp:	34063
Ion Ratio	Lower	Upper	
101	100		
85	48.3	37.6	56.4
151	76.6	62.6	93.8

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#10

Methyl Iodide

Concen: 15.10 ug/l

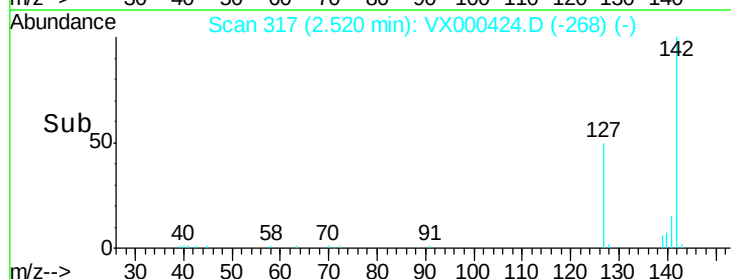
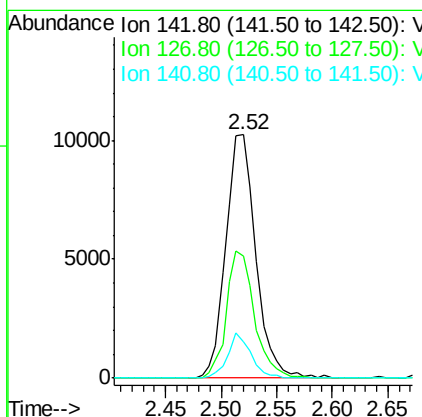
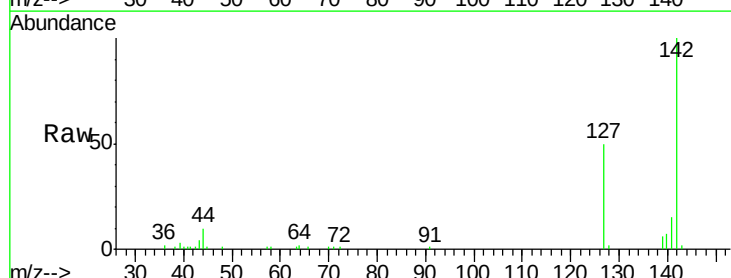
RT: 2.52 min Scan# 317

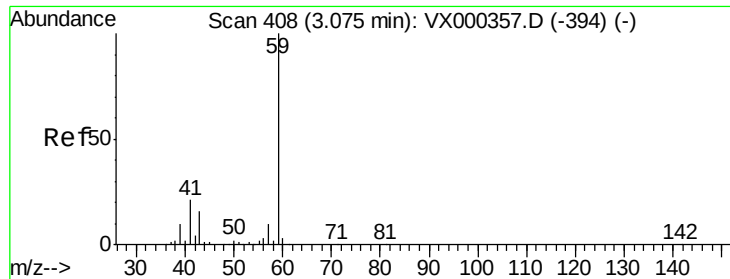
Delta R.T. 0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Tgt Ion:	142	Resp:	19112
Ion Ratio	Lower	Upper	
142	100		
127	49.0	39.2	58.8
141	14.4	11.7	17.5





#11

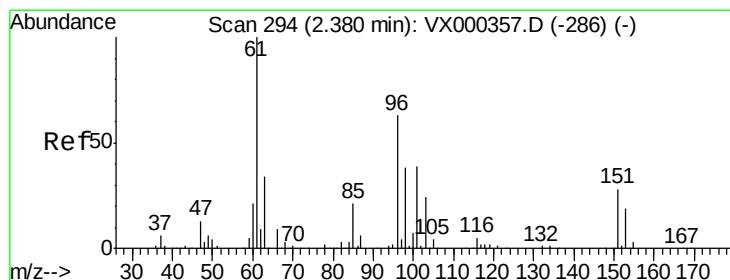
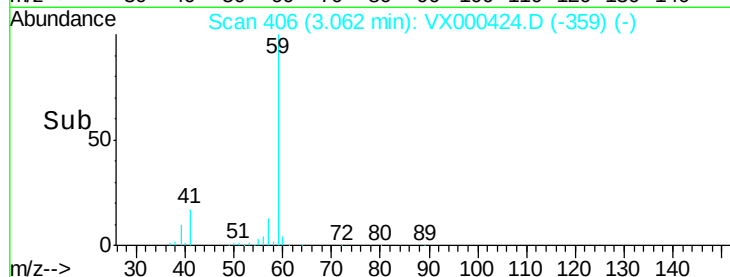
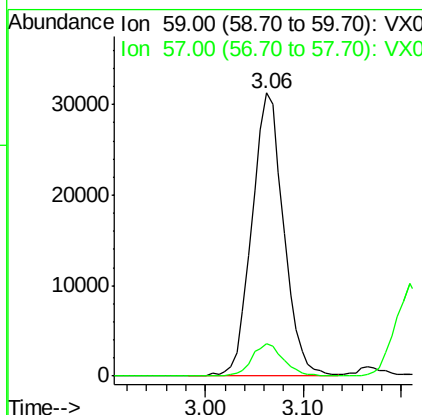
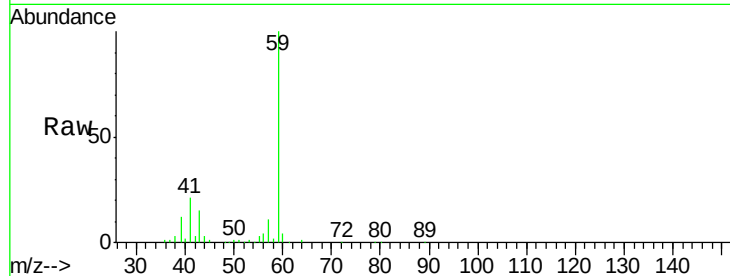
Tert butyl alcohol
Concen: 119.24 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	70632
Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.4	12.6

Manual Integrations
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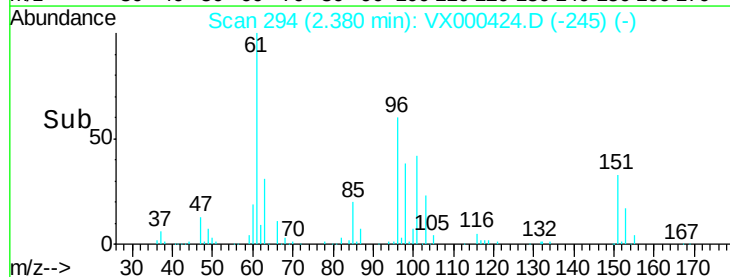
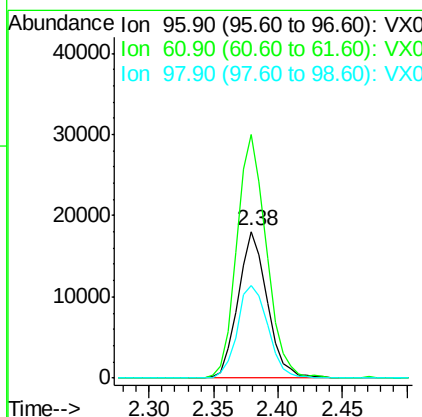
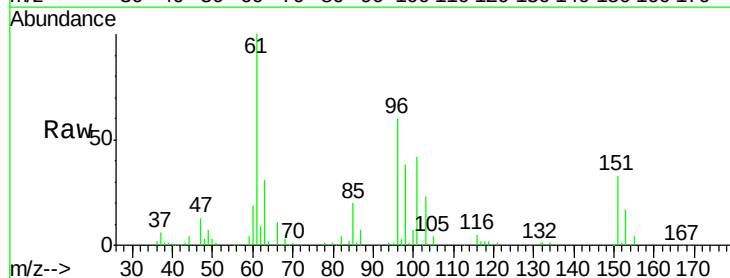
sam
3/26/2018 2:36:19 PM

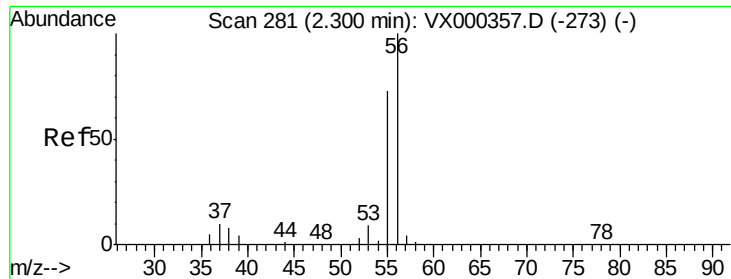


#12

1,1-Dichloroethene
Concen: 19.82 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion	96	Resp	28338
Ion	Ratio	Lower	Upper
96	100		
61	166.4	131.2	196.8
98	63.4	49.8	74.8





#13

Acrolein

Concen: 102.34 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion: 56 Resp: 17627

Ion Ratio Lower Upper

56 100

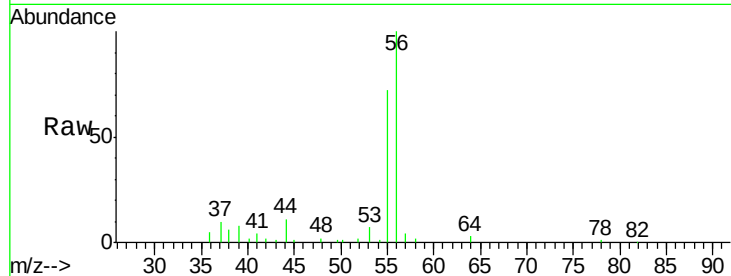
55 71.5 58.8 88.2

Manual Integrations

APPROVED

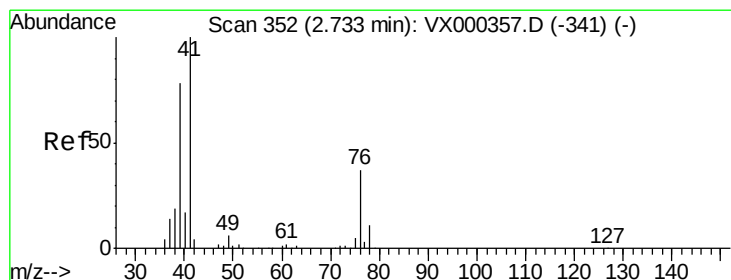
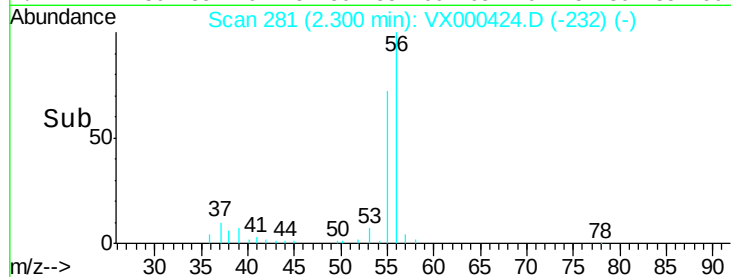
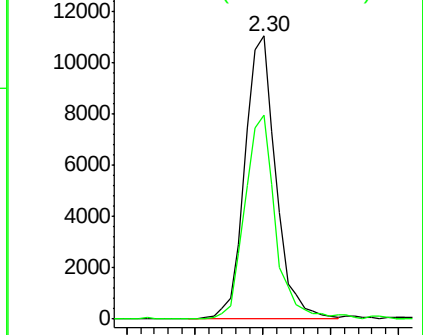
sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.28 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

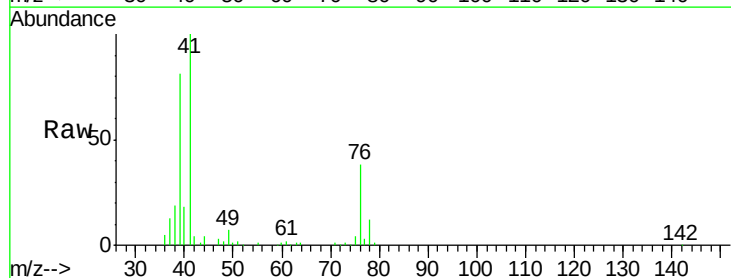
Tgt Ion: 41 Resp: 53898

Ion Ratio Lower Upper

41 100

39 71.2 57.6 86.4

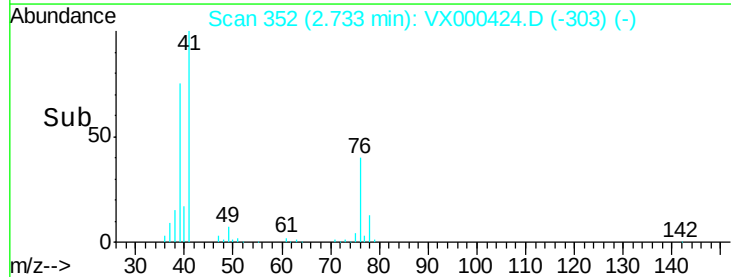
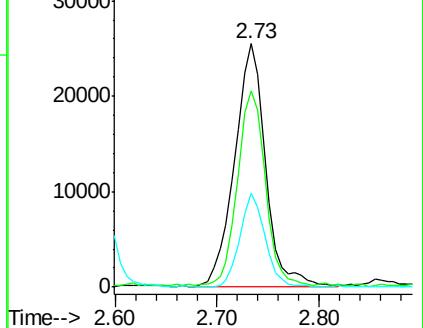
76 31.3 27.3 40.9

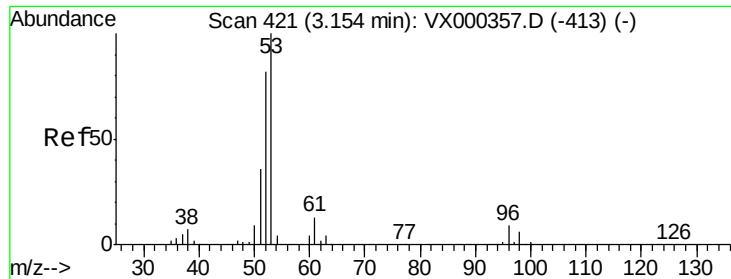


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 107.67 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

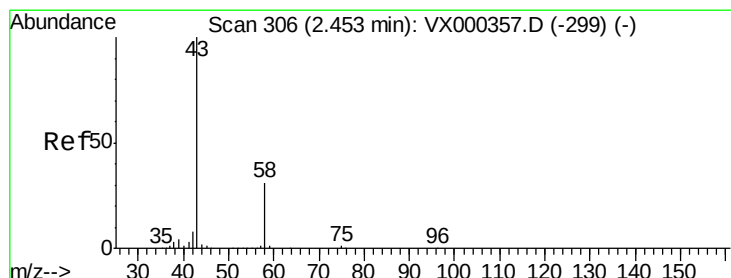
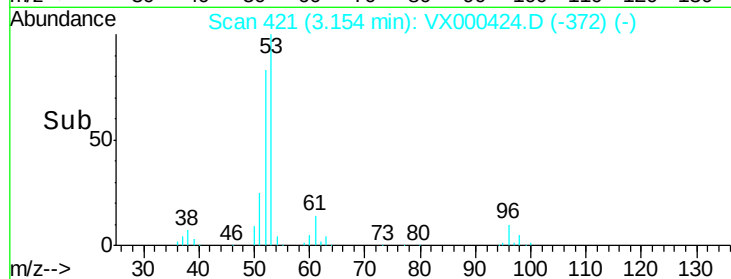
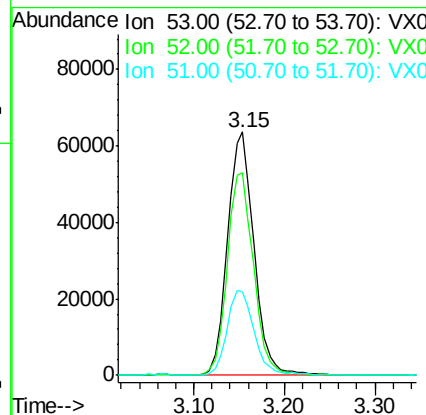
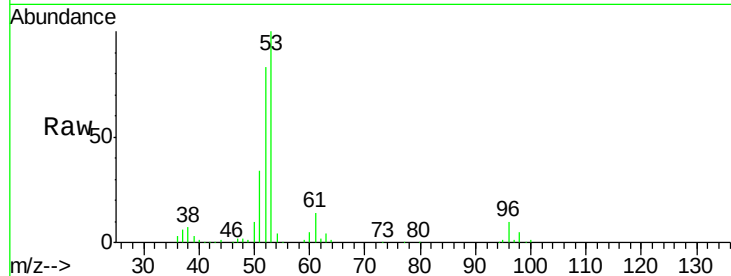
ClientSampled :

VX0323WBS01

Tot Ion:	53	Resp:	129181
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.6	99.8
51	35.6	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 116.27 ug/l

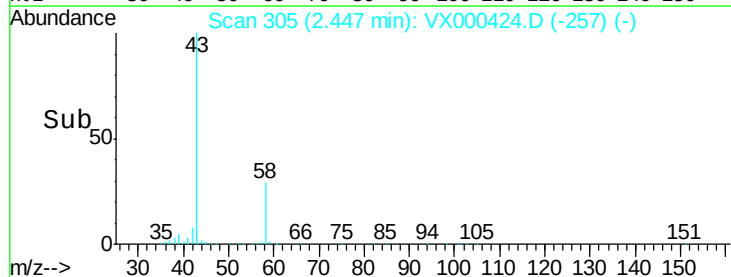
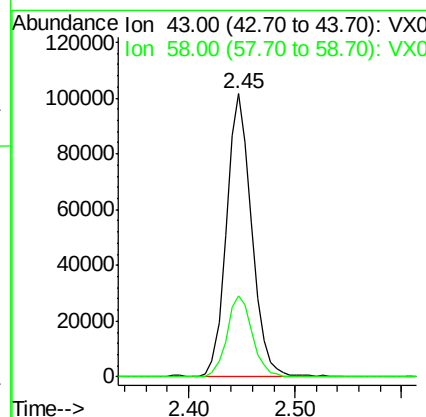
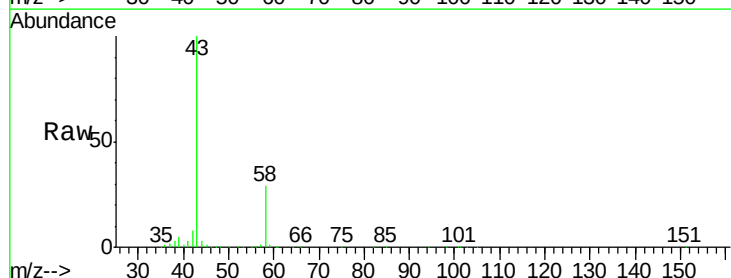
RT: 2.45 min Scan# 305

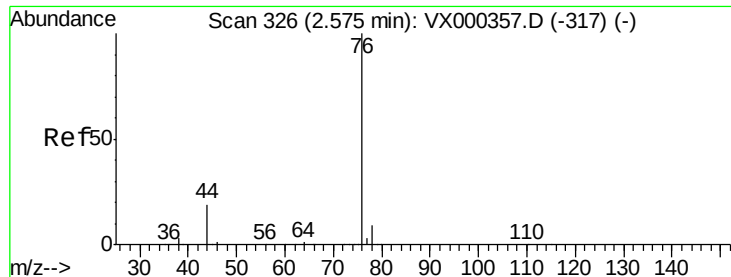
Delta R.T. -0.01 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Tgt Ion:	43	Resp:	166562
Ion Ratio		Lower	Upper
43	100		
58	28.9	24.7	37.1





#17

Carbon Disulfide

Concen: 18.91 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion: 76 Resp: 71878

Ion Ratio Lower Upper

76 100

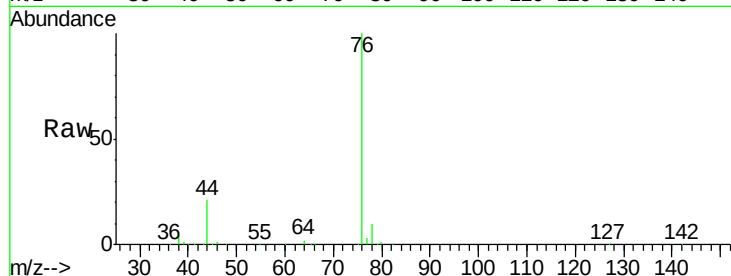
78 10.1 7.0 10.6

Manual Integrations

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sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

40000

30000

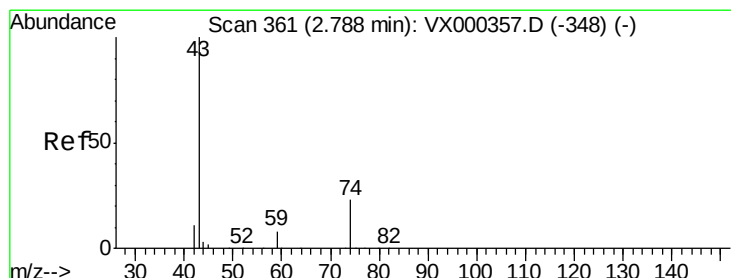
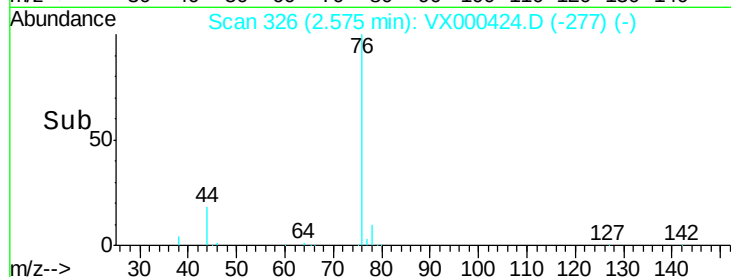
20000

10000

0

2.50 2.55 2.60 2.65 2.70

Time-->



#18

Methyl Acetate

Concen: 22.03 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000424.D

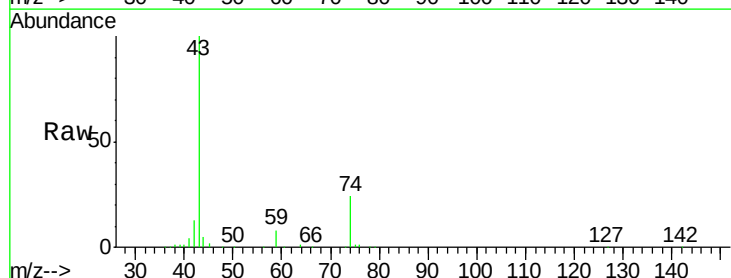
Acq: 23 Mar 2018 12:36

Tgt Ion: 43 Resp: 66169

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

40000

30000

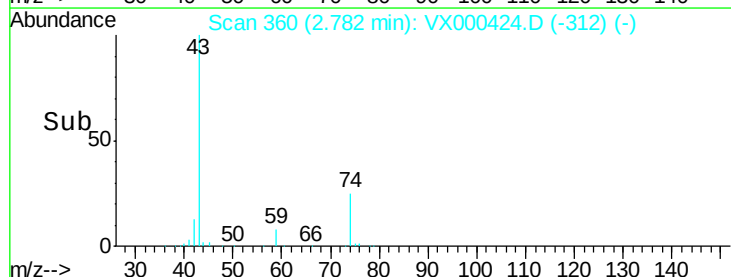
20000

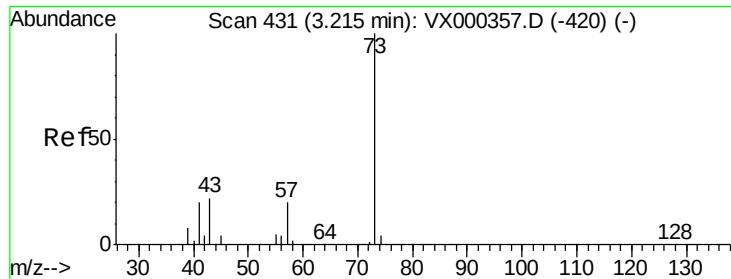
10000

0

2.70 2.75 2.80 2.85 2.90

Time-->





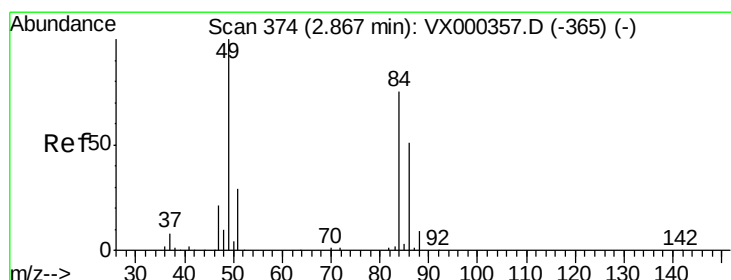
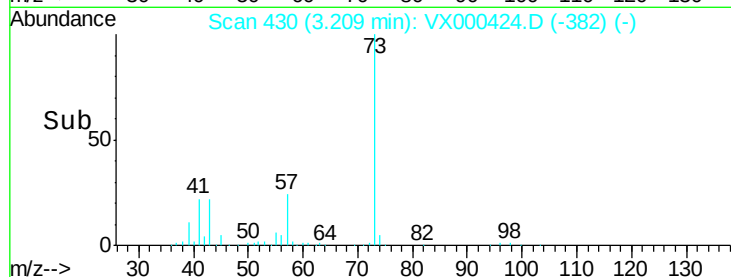
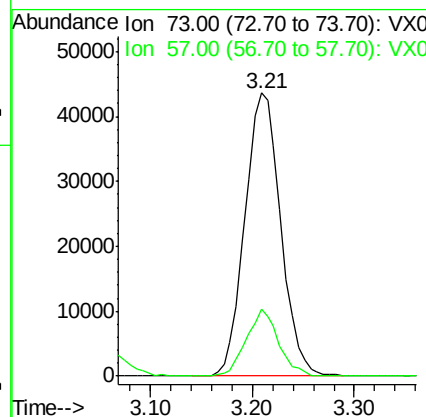
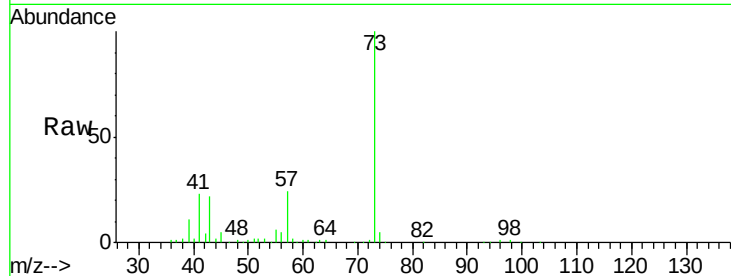
#19
Methyl tert-butyl Ether
Concen: 20.12 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.2	25.8

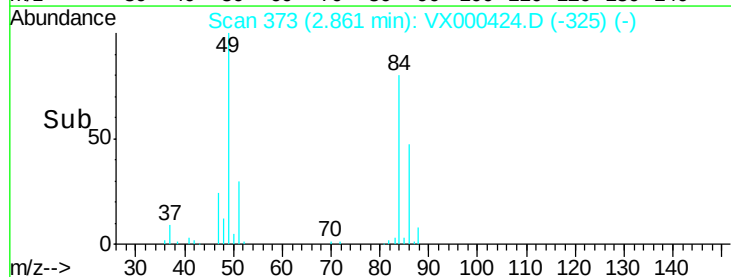
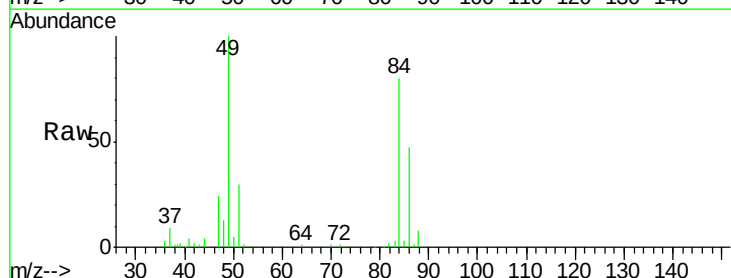
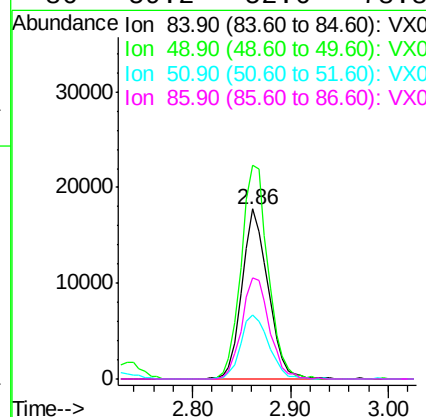
Manual Integrations
APPROVED

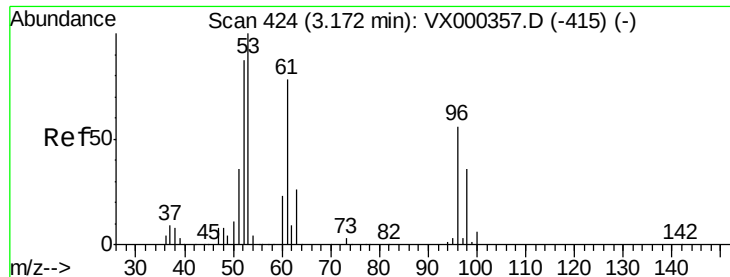
sam
3/26/2018 2:36:19 PM



#20
Methylene Chloride
Concen: 19.98 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.6	100.6	151.0
51	37.5	31.6	47.4
86	59.2	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 19.23 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion: 96 Resp: 30666

Ion Ratio Lower Upper

96 100

61 131.8 104.0 156.0

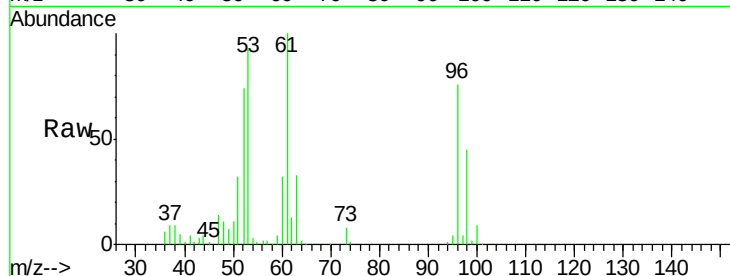
98 59.6 52.1 78.1

Manual Integrations

APPROVED

sam

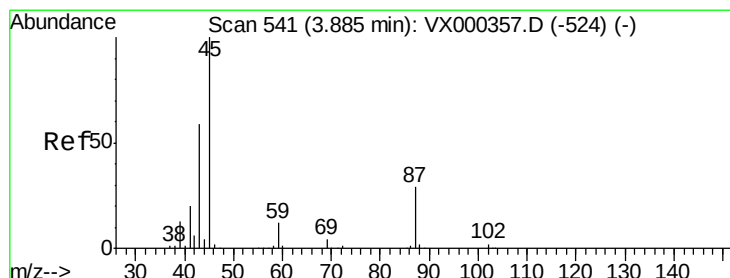
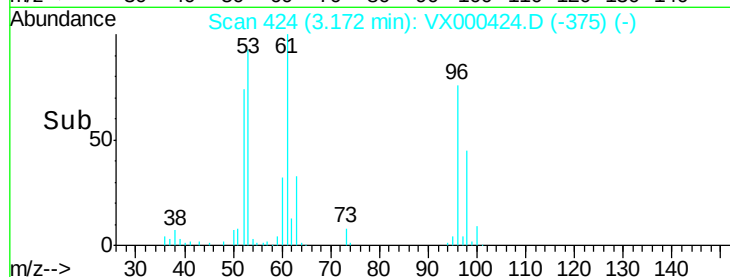
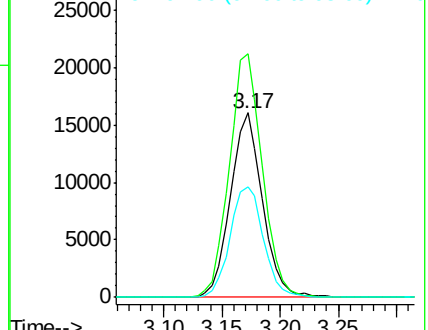
3/26/2018 2:36:19 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 22.57 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.01 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Tgt Ion: 45 Resp: 100875

Ion Ratio Lower Upper

45 100

43 64.4 53.9 80.9

87 29.1 22.6 34.0

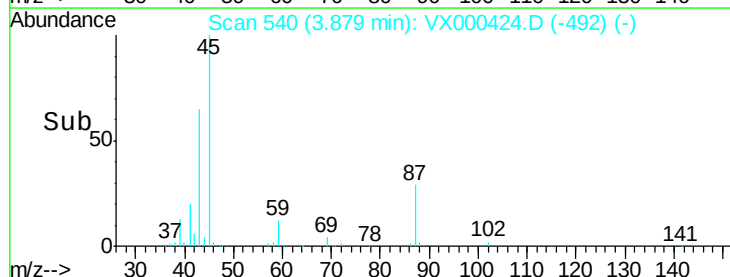
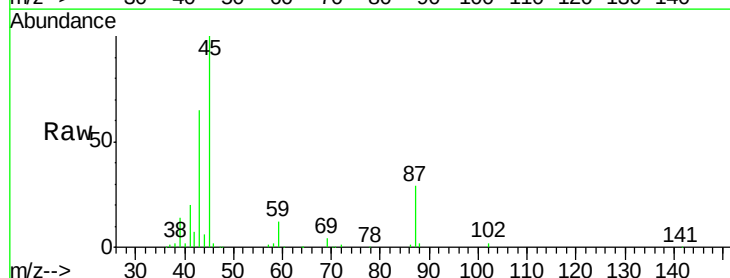
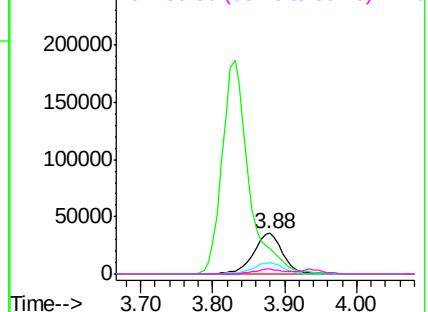
59 12.2 9.5 14.3

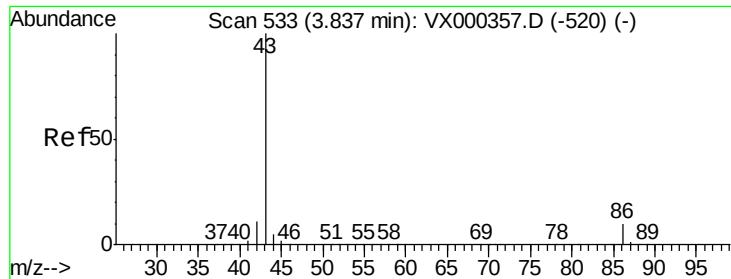
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 114.25 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampled :

VX0323WBS01

Tot Ion: 43 Resp: 484129

Ion Ratio Lower Upper

43 100

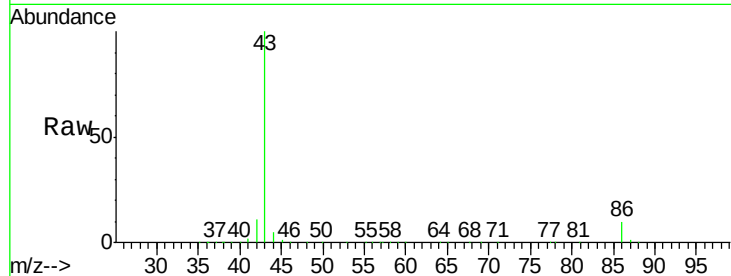
86 9.9 8.6 12.8

Manual Integrations

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sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

200000

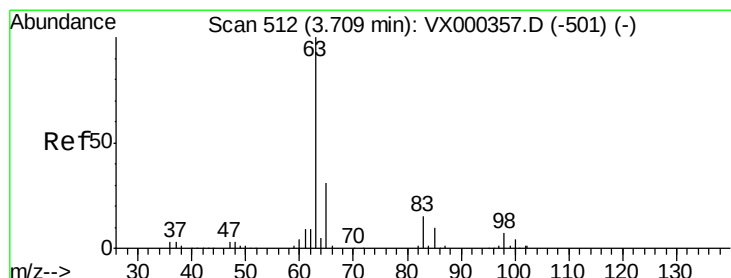
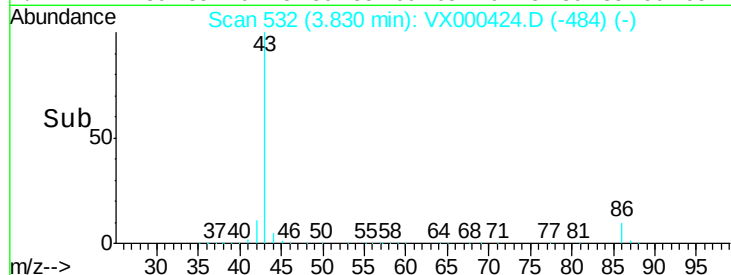
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.06 ug/l

RT: 3.71 min Scan# 512

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

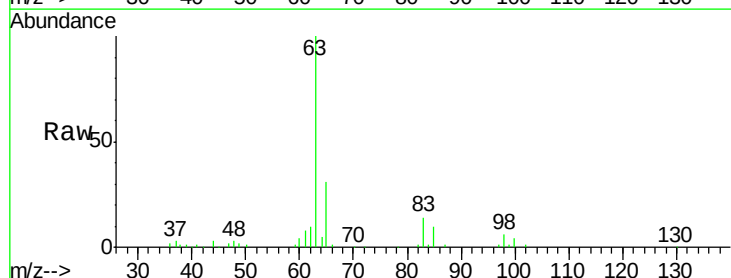
Tgt Ion: 63 Resp: 59184

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.71

30000

25000

20000

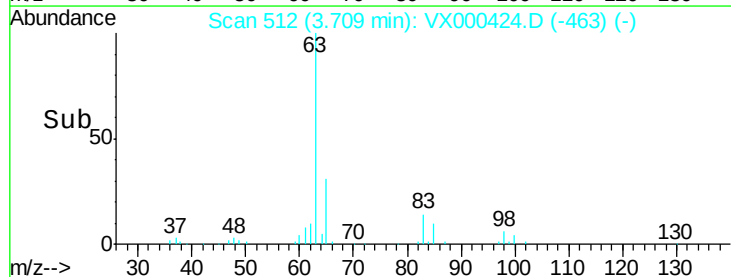
15000

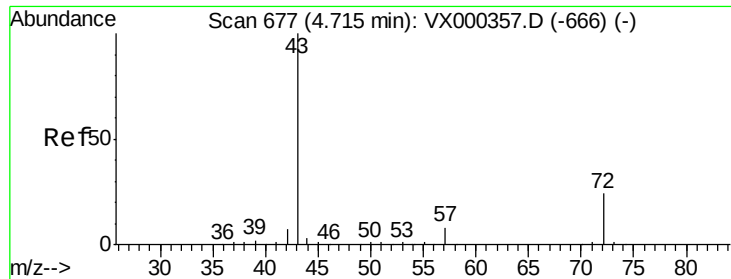
10000

5000

0

Time-->





#25

2-Butanone

Concen: 110.76 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion: 43 Resp: 178347

Ion Ratio Lower Upper

43 100

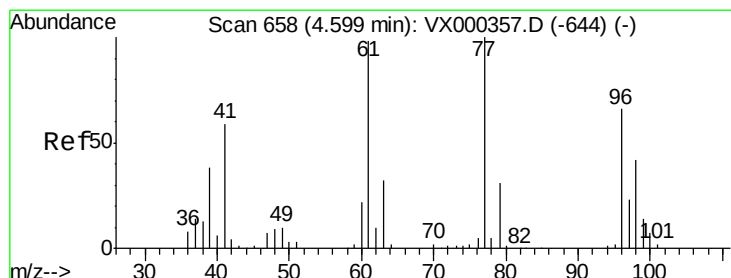
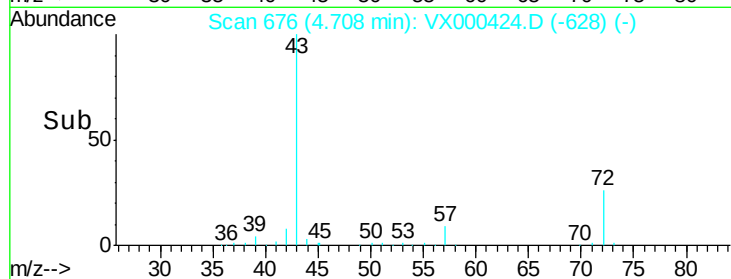
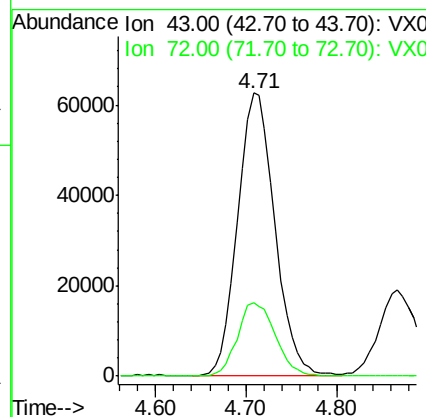
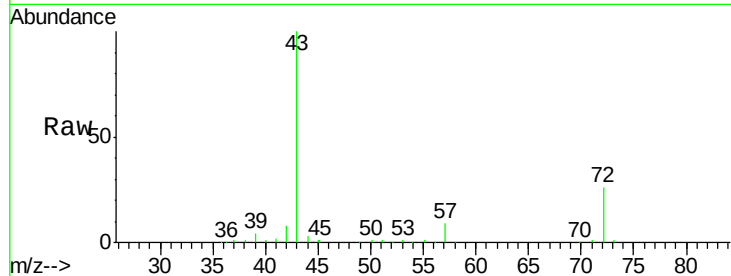
72 26.0 21.0 31.6

Manual Integrations

APPROVED

sam

3/26/2018 2:36:19 PM



#26

2,2-Dichloropropane

Concen: 20.52 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000424.D

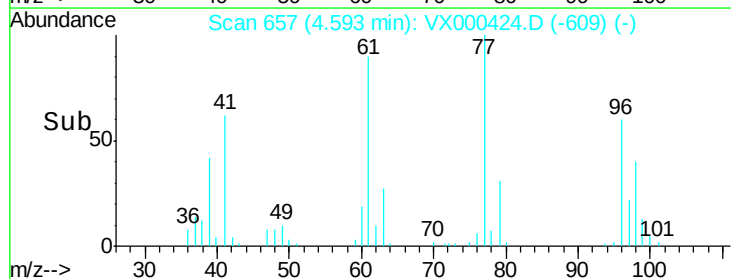
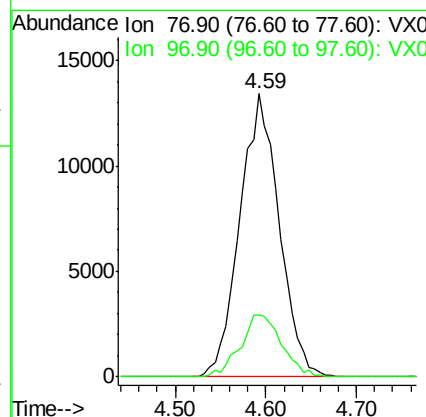
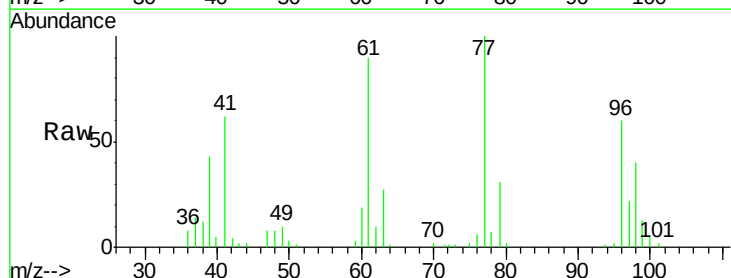
Acq: 23 Mar 2018 12:36

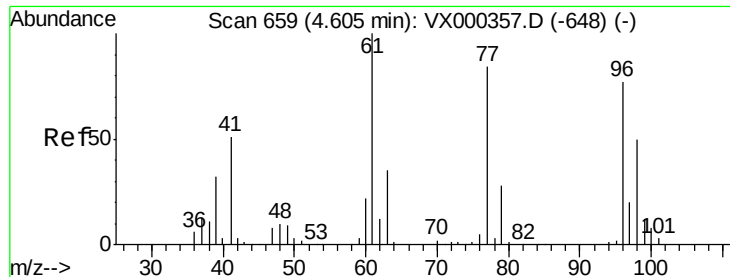
Tgt Ion: 77 Resp: 40417

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.8





#27

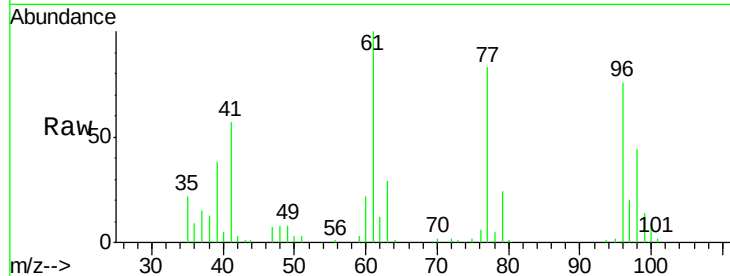
cis-1,2-Dichloroethene
Concen: 20.08 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

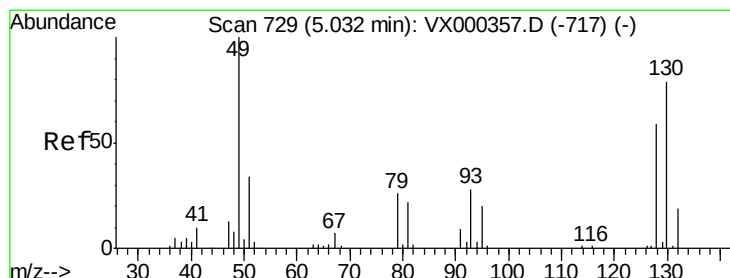
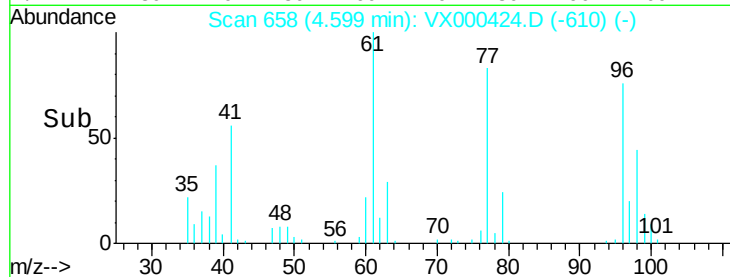
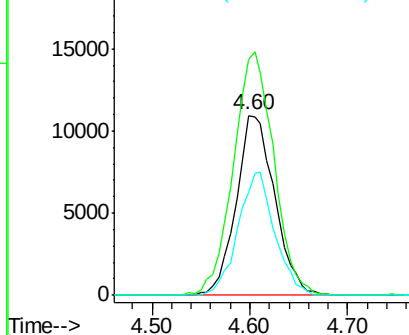
Tot Ion	Ratio	Resp	Lower	Upper
96	100	29936		
61	142.2	0.0	291.6	
98	65.2	0.0	132.0	

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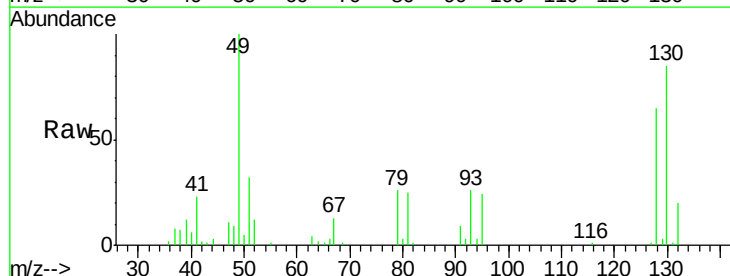
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



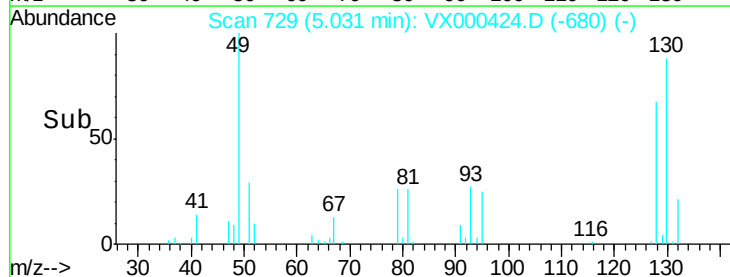
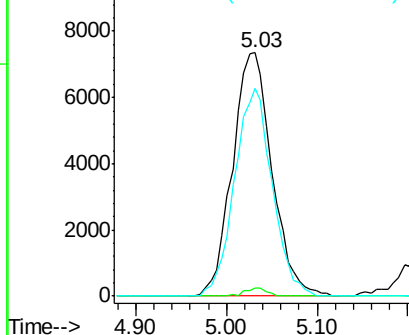
#28

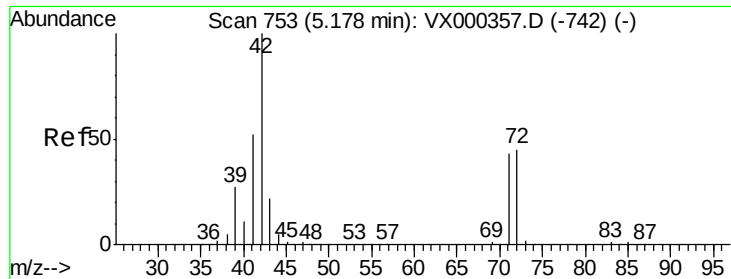
Bromochloromethane
Concen: 19.19 ug/l
RT: 5.03 min Scan# 729
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	22243		
129	1.8	0.0	5.0	
130	80.9	64.0	96.0	



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





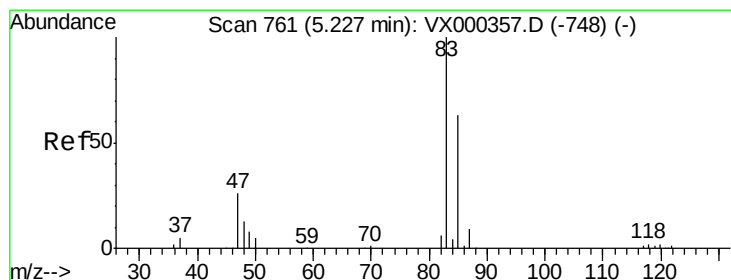
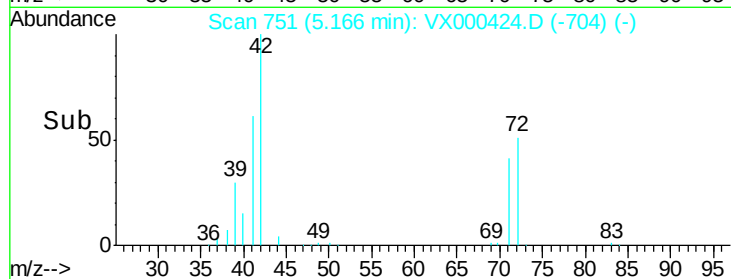
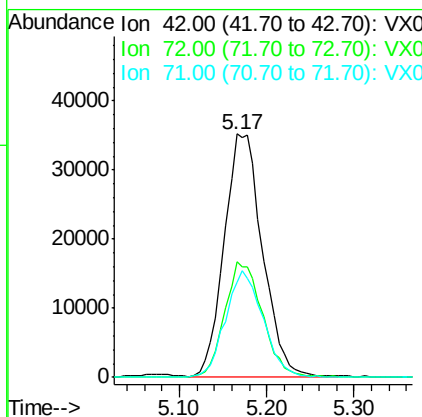
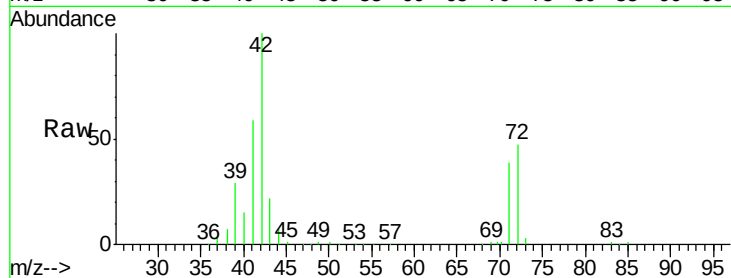
#29
Tetrahydrofuran
Concen: 107.60 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.9	56.9
71	43.2	34.4	51.6

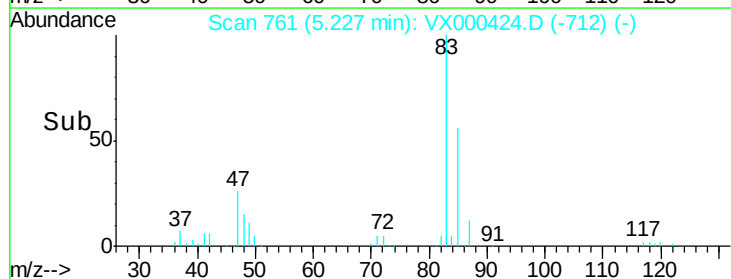
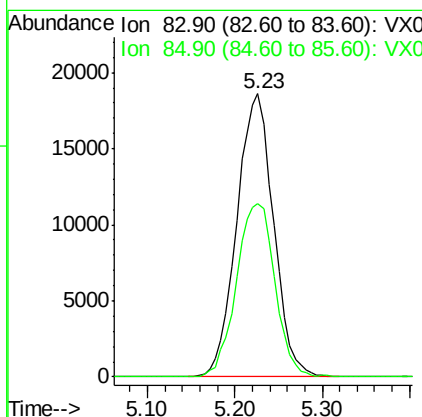
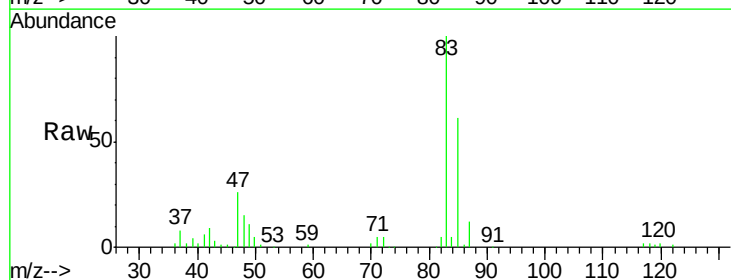
Manual Integrations
APPROVED

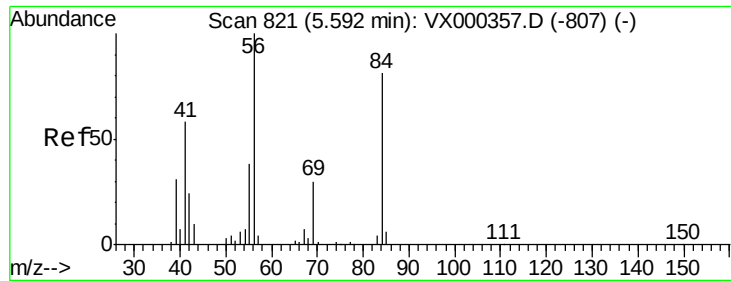
sam
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#30
Chloroform
Concen: 20.55 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	53.3	79.9





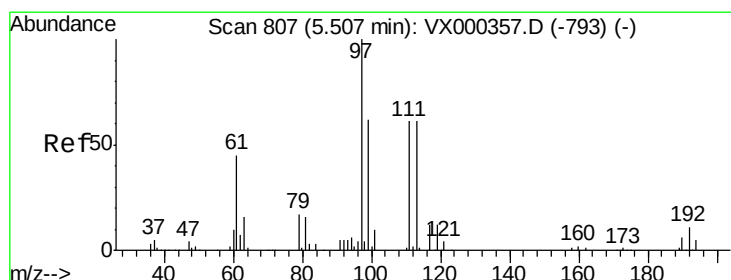
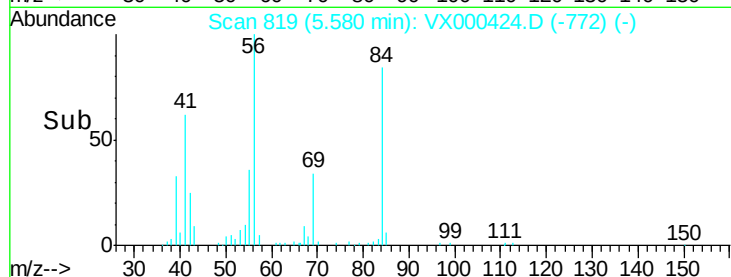
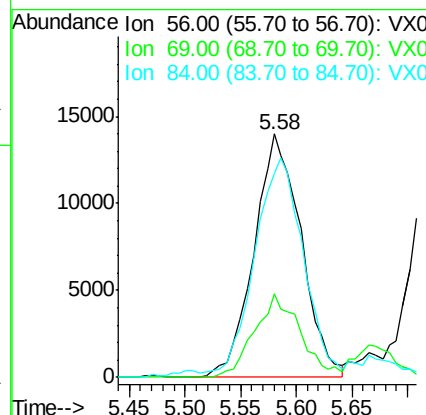
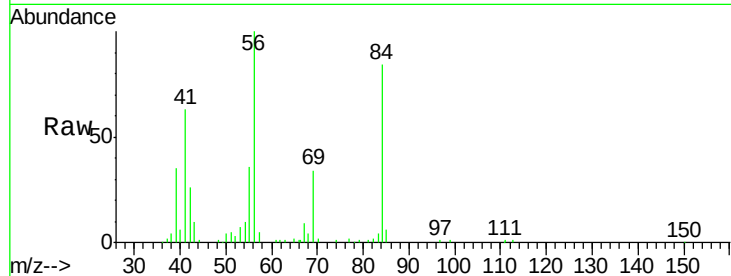
#31
Cyclohexane
Concen: 18.92 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	23.4	35.0
84	80.7	71.0	106.4

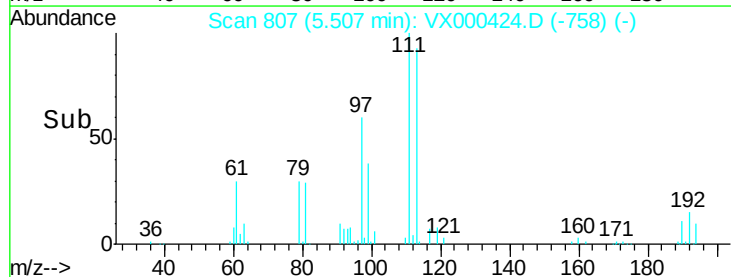
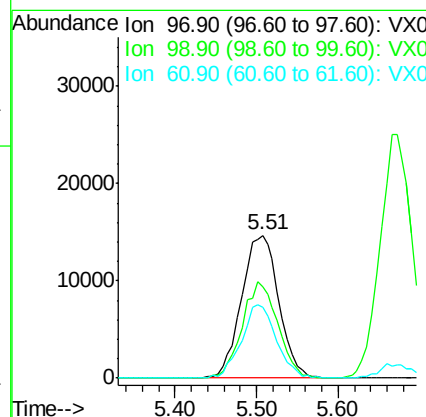
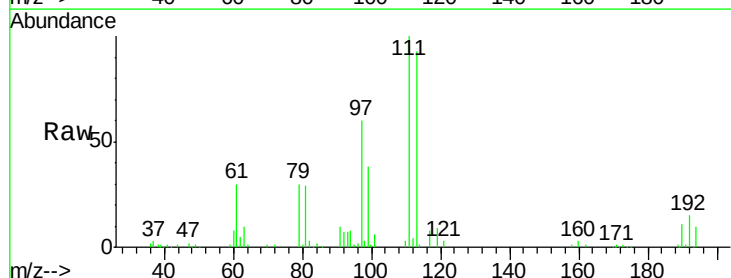
Manual Integrations
APPROVED

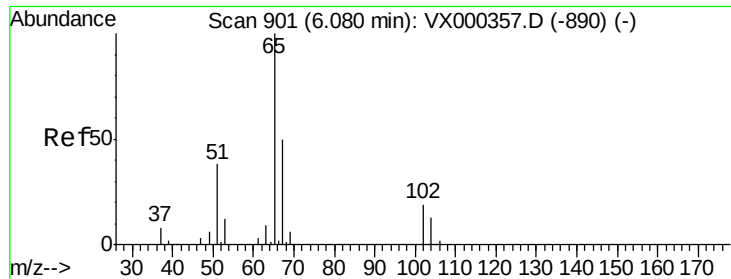
sam
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#32
1,1,1-Trichloroethane
Concen: 19.62 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.1	78.1
61	48.2	36.2	54.4





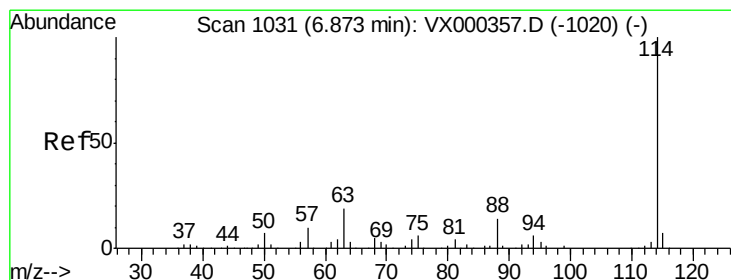
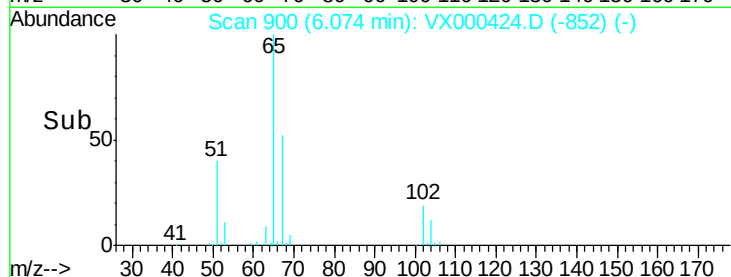
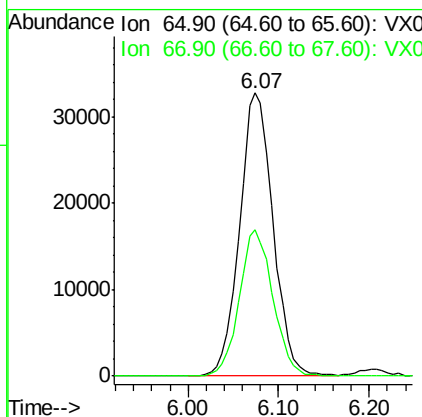
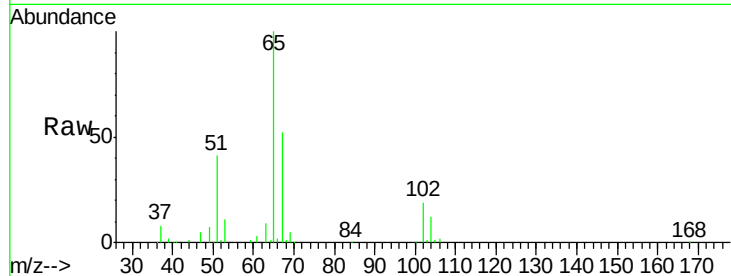
#33
 1,2-Dichloroethane-d4
 Concen: 48.38 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.2

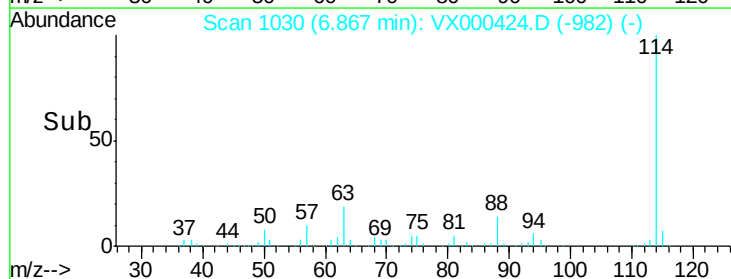
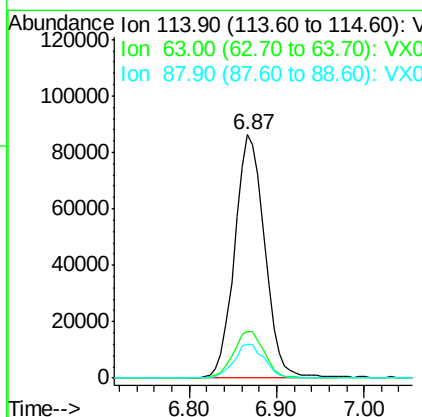
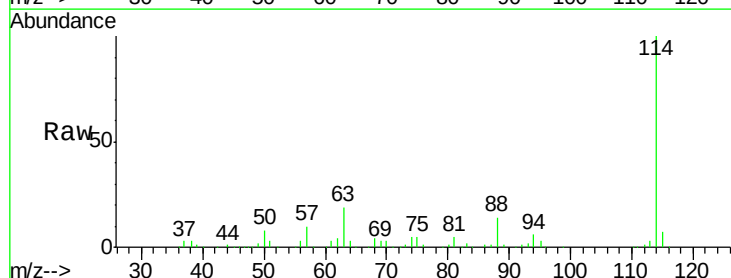
Manual Integrations
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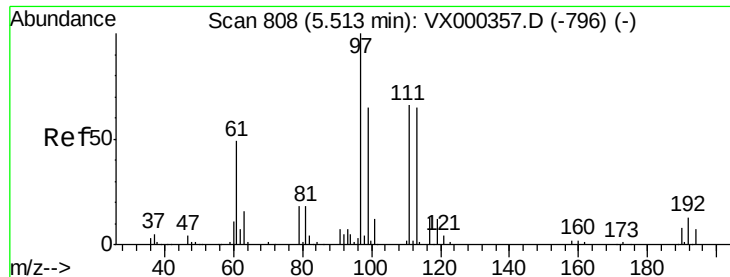
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.4
88	14.1	0.0	27.0





#35

Dibromofluoromethane

Concen: 49.89 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion:113 Resp: 64874

Ion Ratio Lower Upper

113 100

111 105.5 82.4 123.6

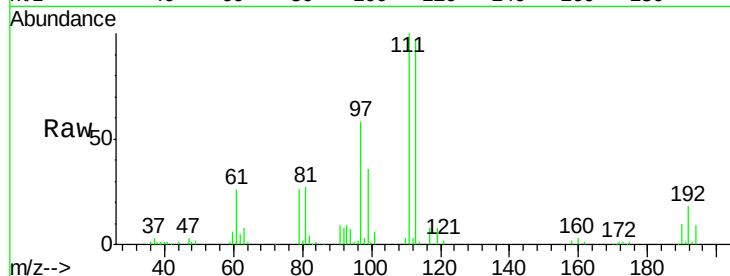
192 20.3 15.8 23.6

Manual Integrations

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sam

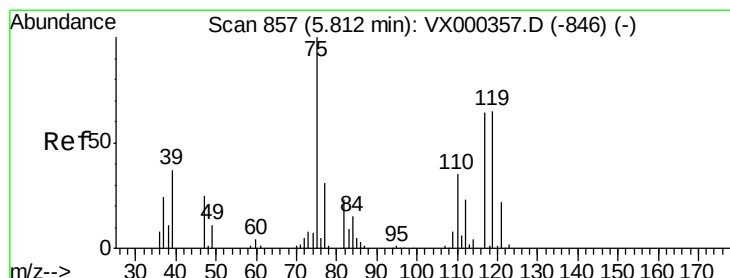
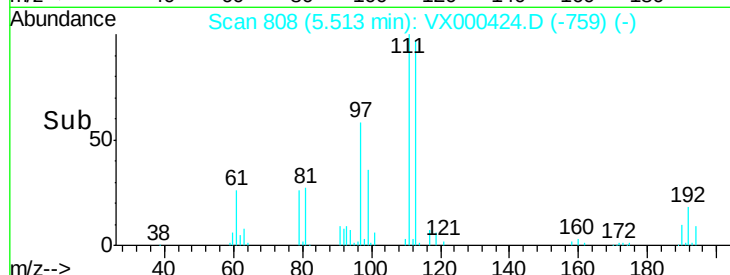
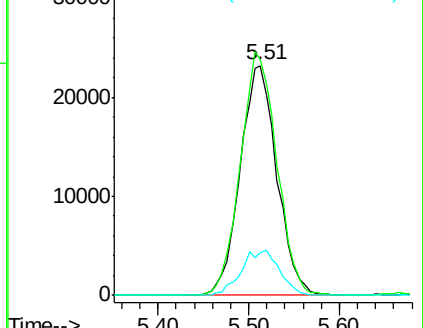
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.25 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.01 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

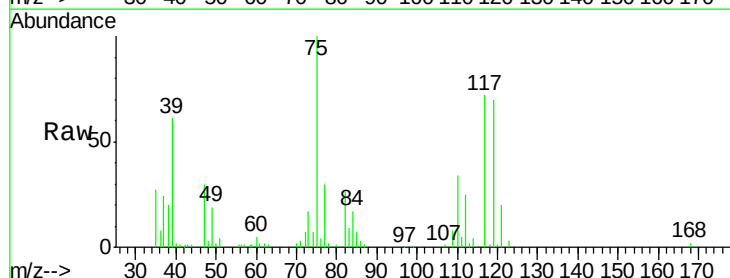
Tgt Ion: 75 Resp: 39146

Ion Ratio Lower Upper

75 100

110 36.3 17.9 53.7

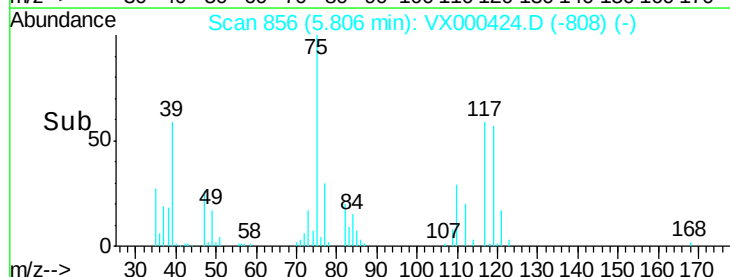
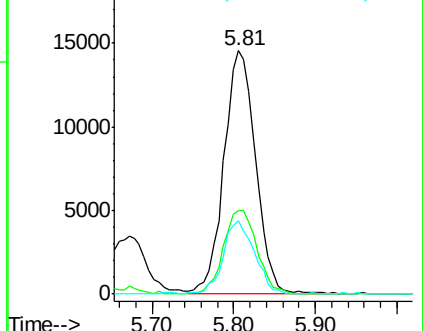
77 29.6 24.0 36.0

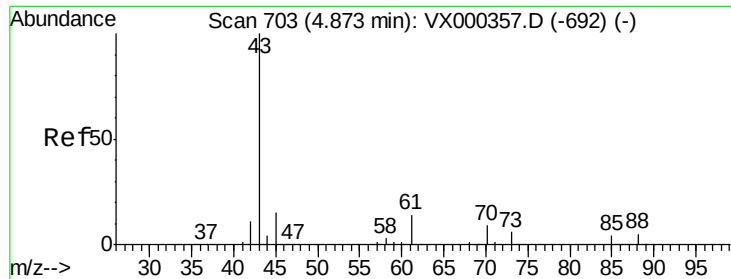


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





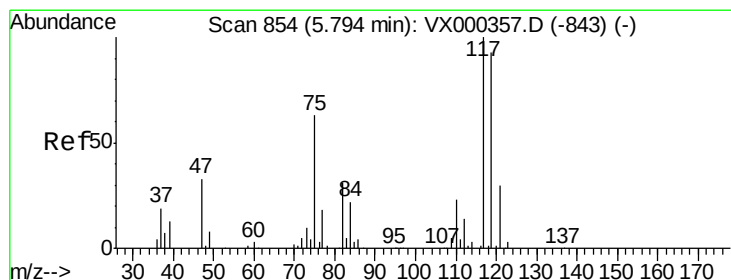
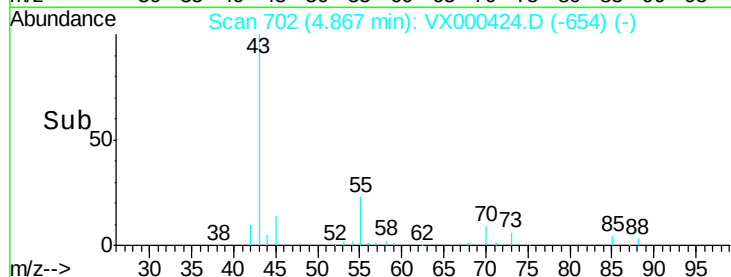
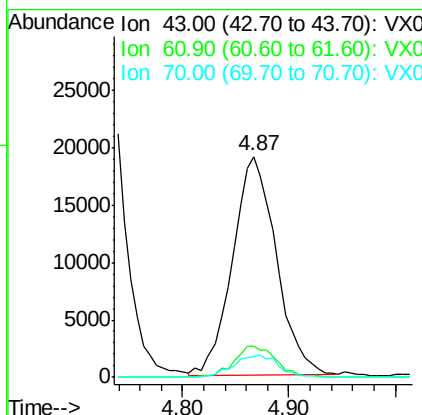
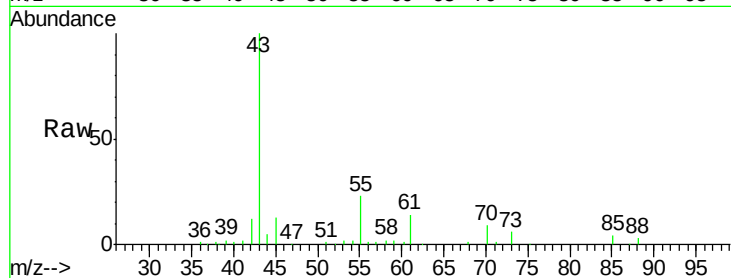
#37
Ethyl Acetate
Concen: 20.74 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	10.5	7.7	11.5

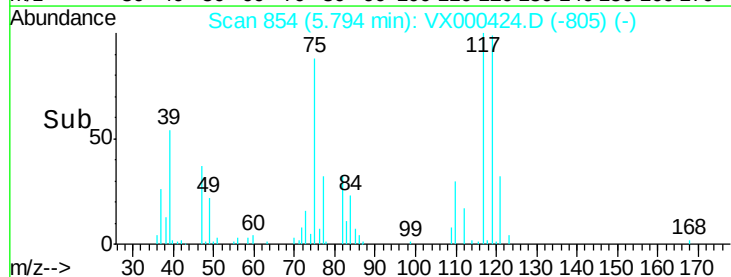
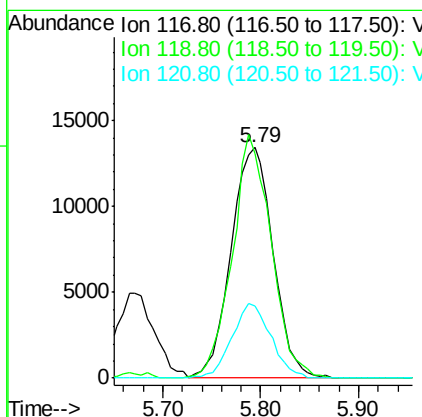
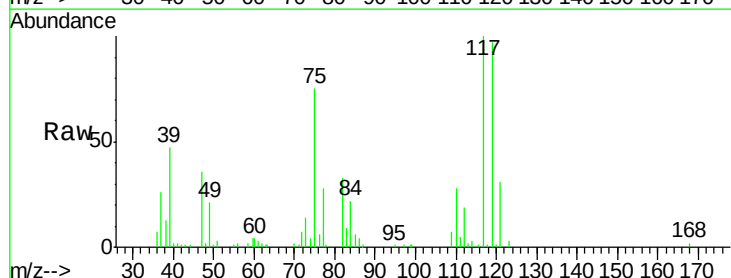
Manual Integrations
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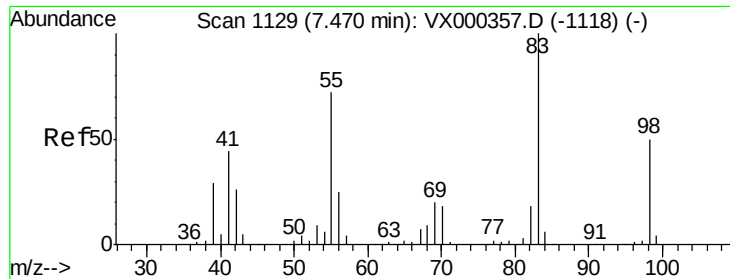
sam
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#38
Carbon Tetrachloride
Concen: 19.79 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.4	116.2
121	31.2	24.8	37.2





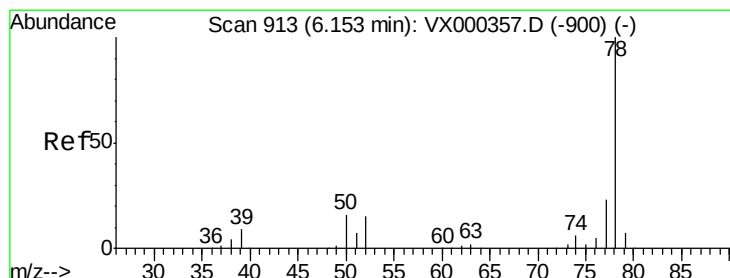
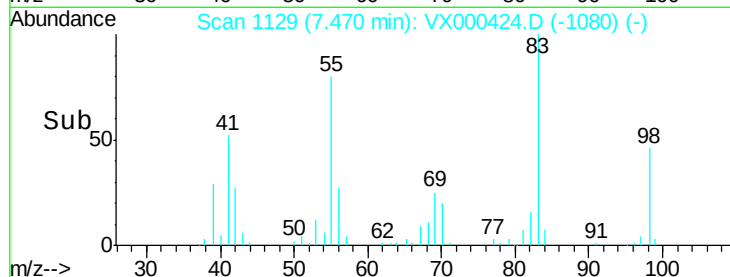
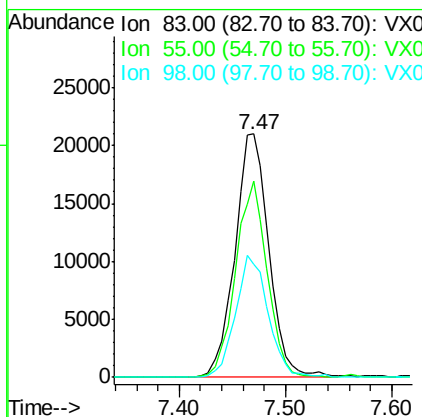
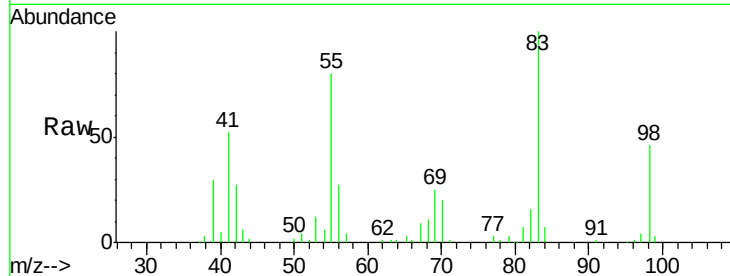
#39
Methylvlcyclohexane
Concen: 19.99 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

Tot Ion	83	Resp	46987
Ion	Ratio	Lower	Upper
83	100		
55	80.4	55.5	83.3
98	46.3	38.2	57.4

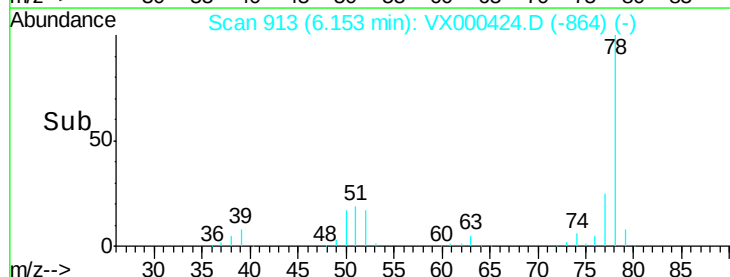
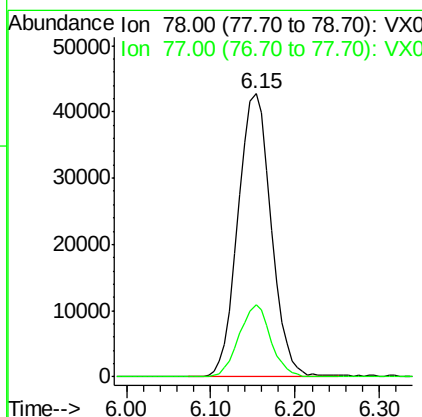
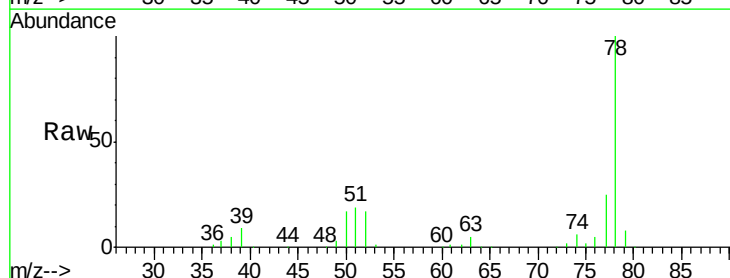
Manual Integrations
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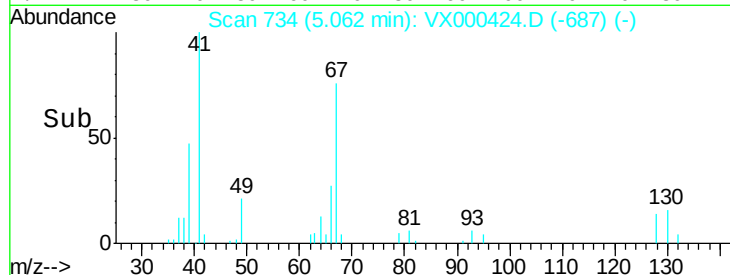
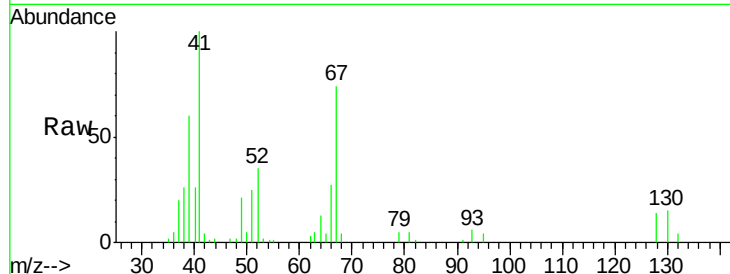
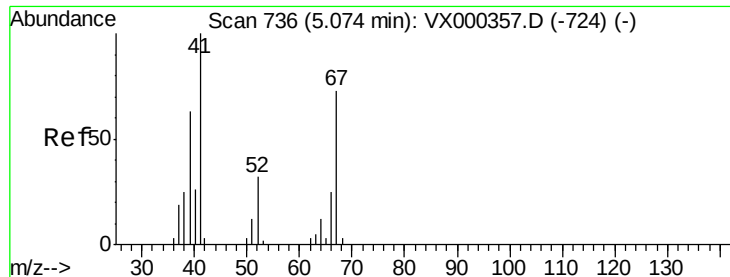
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#40
Benzene
Concen: 20.33 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion	78	Resp	114100
Ion	Ratio	Lower	Upper
78	100		
77	25.4	18.7	28.1





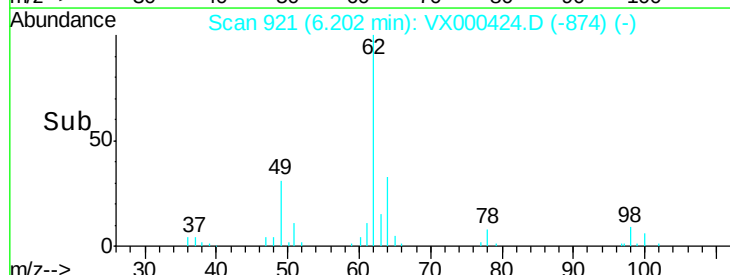
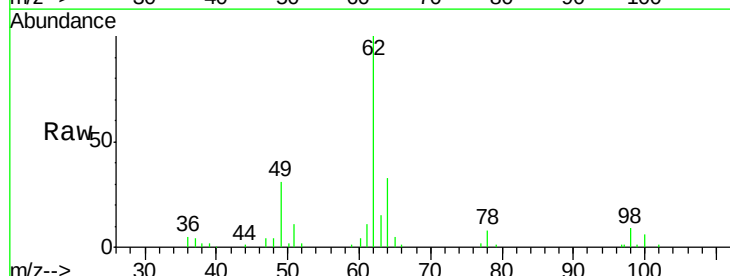
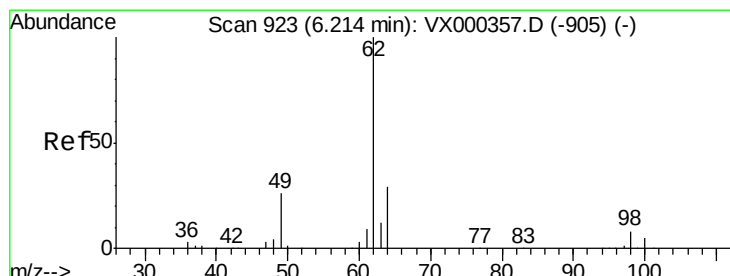
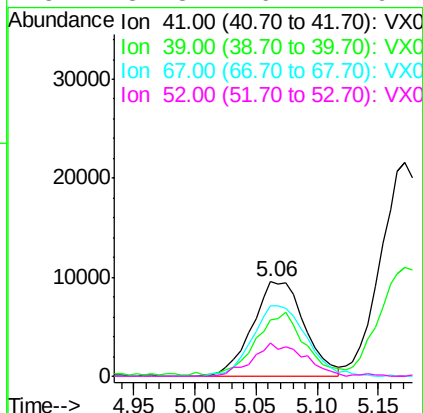
#41
Methacrylonitrile
Concen: 20.33 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		28298		
39	59.7	45.7	68.5		
67	77.5	57.8	86.8		
52	34.8	26.7	40.1		

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

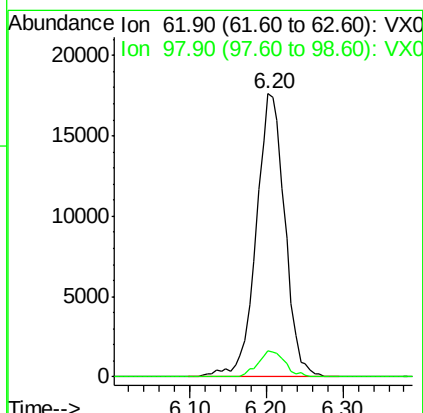
Manual Integrations
APPROVED

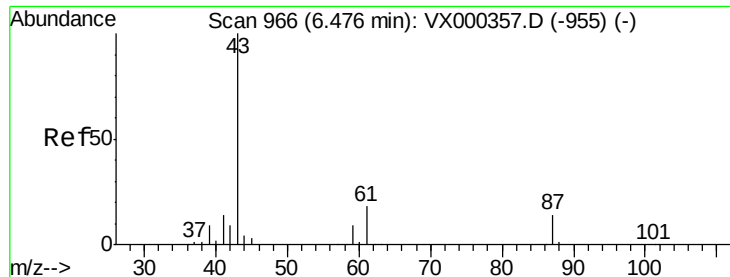
sam
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#42
1,2-Dichloroethane
Concen: 20.85 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		45926		
98	8.7	0.0	15.8		





#43

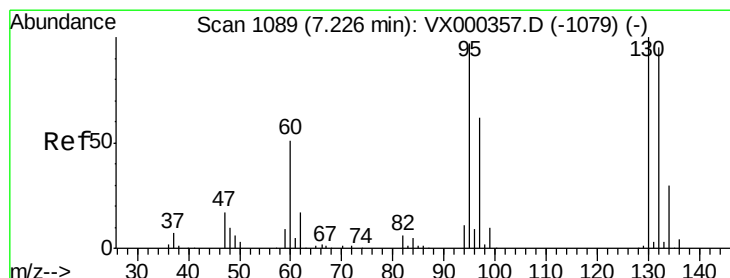
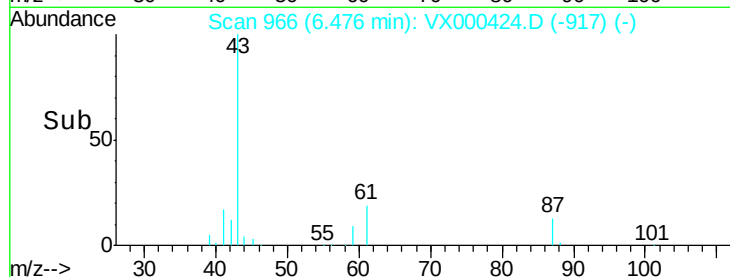
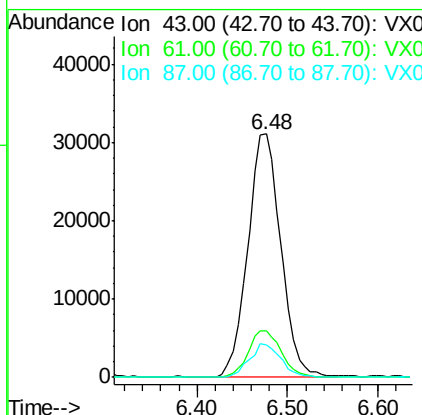
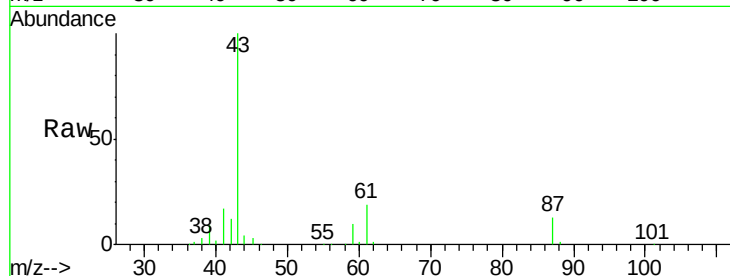
Isopropyl Acetate
 Concen: 19.98 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.4	21.6
87	13.0	11.0	16.4

Manual Integrations
 APPROVED

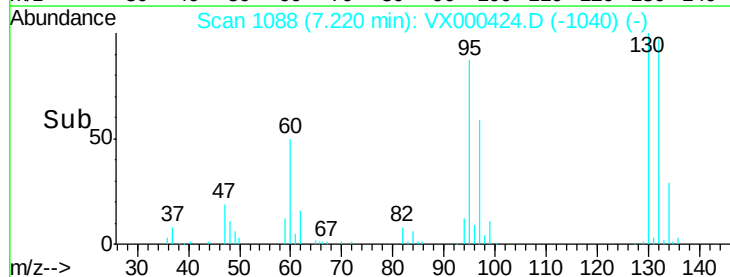
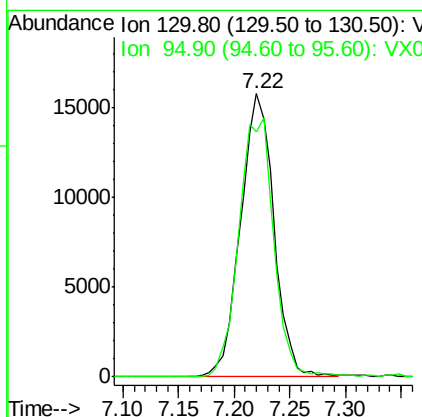
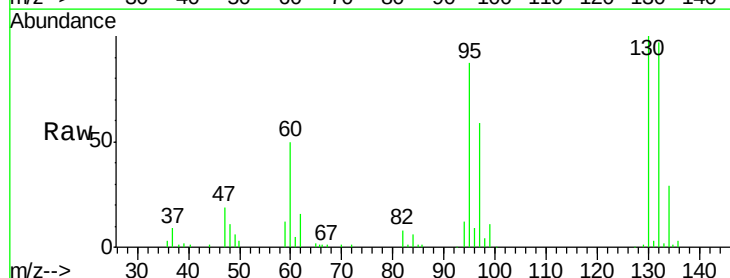
sam
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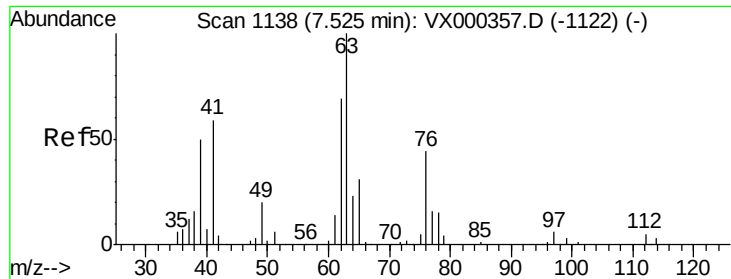


#44

Trichloroethene
 Concen: 20.49 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.7	0.0	186.0





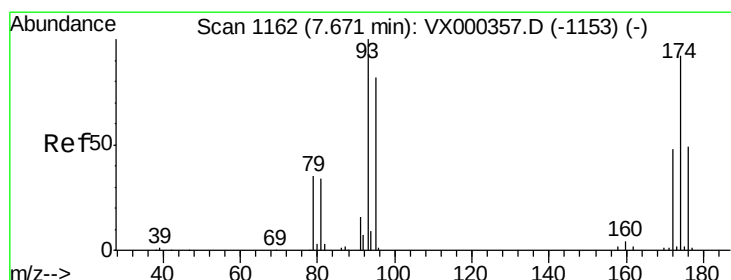
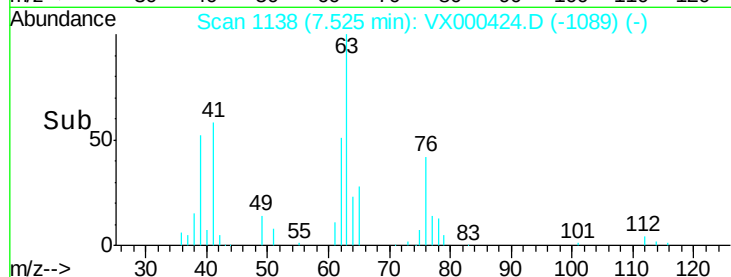
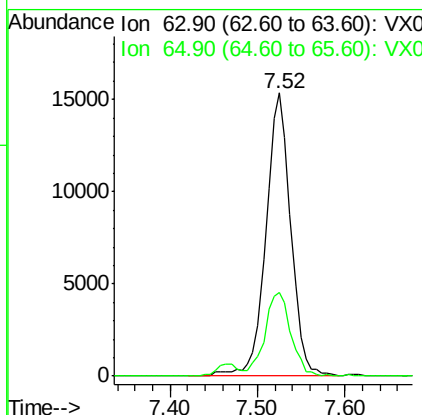
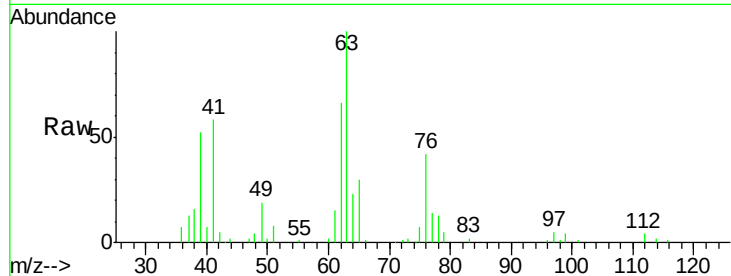
#45
 1,2-Dichloropropane
 Concen: 21.16 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Instrument :
 MSVOA_X
 ClientSampled :
 VX0323WBS01

Tot Ion: 63 Resp: 30402
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.6 36.8

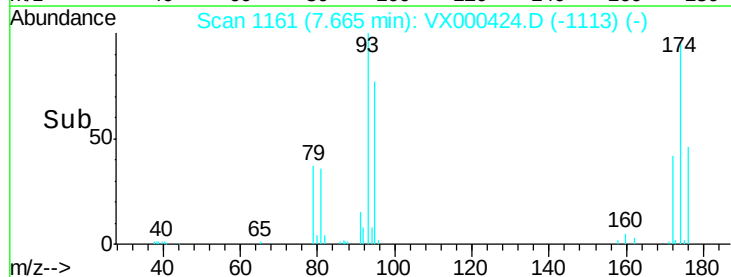
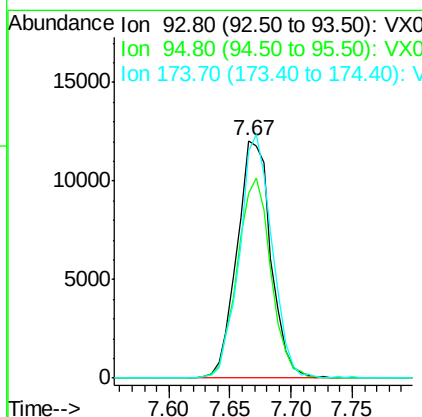
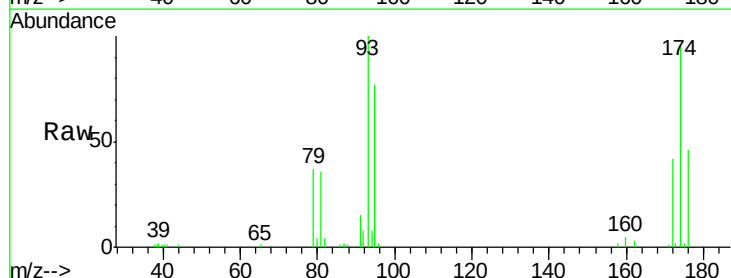
Manual Integrations
 APPROVED

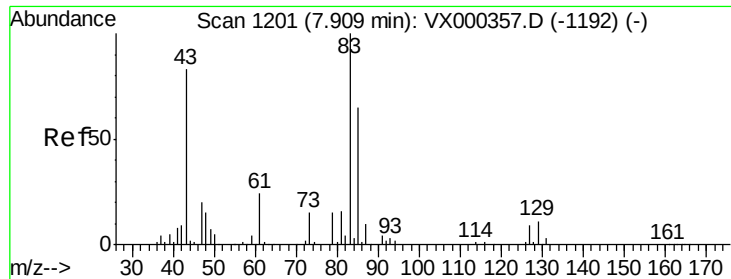
sam
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#46
 Dibromomethane
 Concen: 20.53 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Tgt Ion: 93 Resp: 23152
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.5 99.7
 174 98.5 76.0 114.0





#47

Bromodichloromethane

Concen: 20.85 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

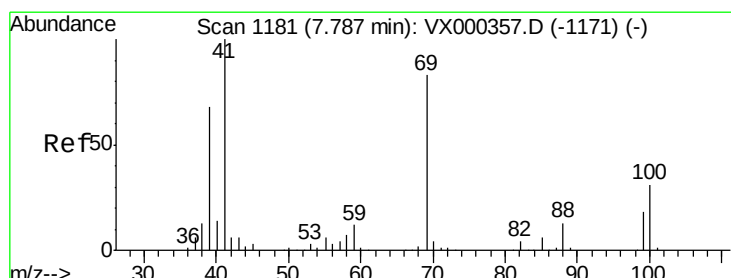
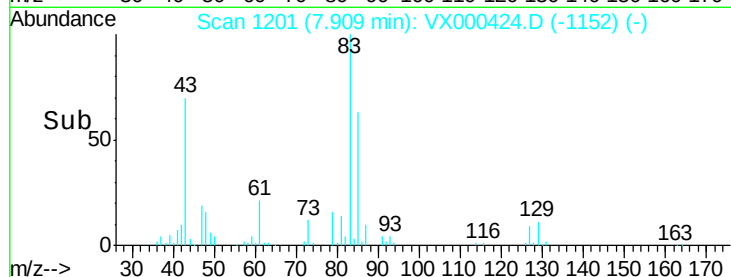
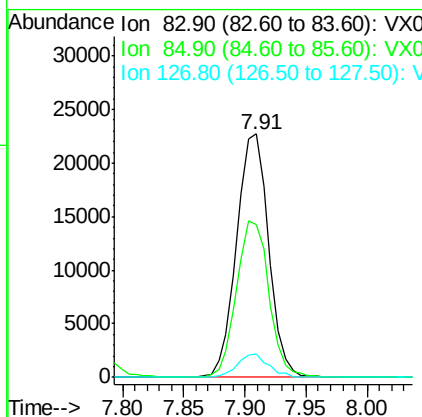
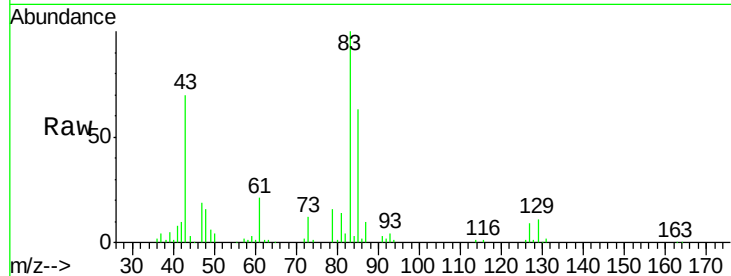
ClientSampleId :

VX0323WBS01

Tot Ion:	83	Resp:	41375
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.0
127	9.4	7.0	10.6

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 21.14 ug/l

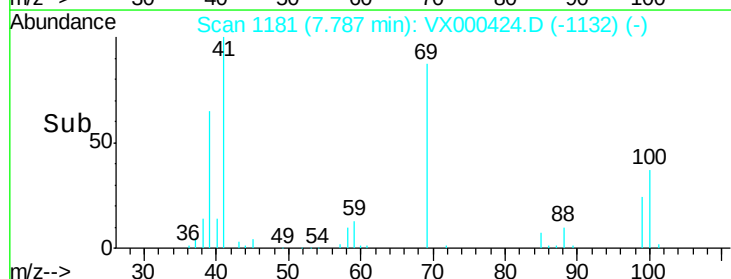
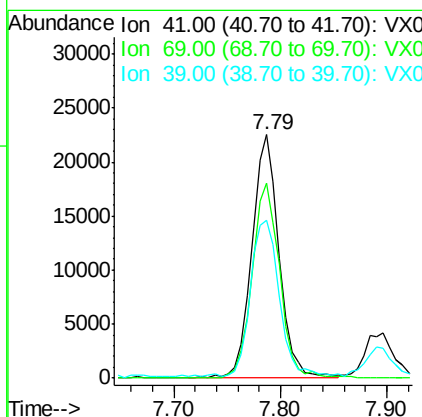
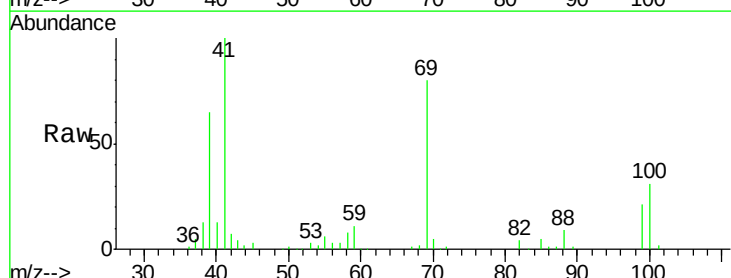
RT: 7.79 min Scan# 1181

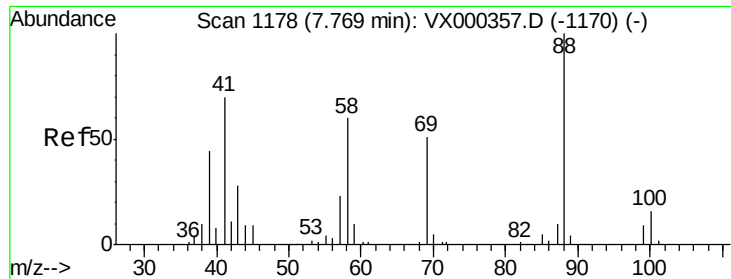
Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Tgt Ion:	41	Resp:	40331
Ion	Ratio	Lower	Upper
41	100		
69	81.1	68.2	102.4
39	67.7	54.6	81.8





#49

1,4-Dioxane

Concen: 457.21 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.01 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

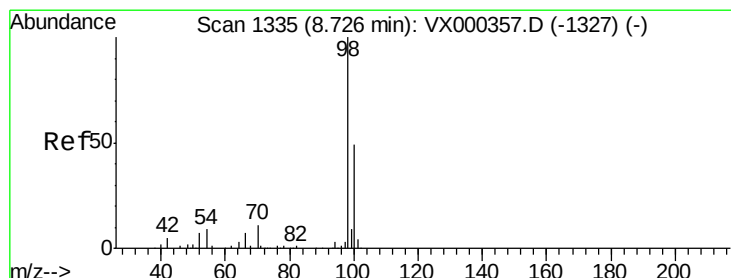
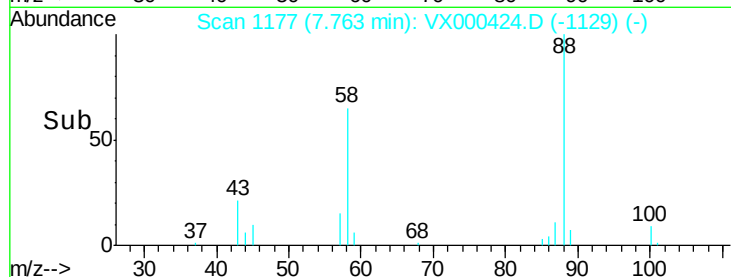
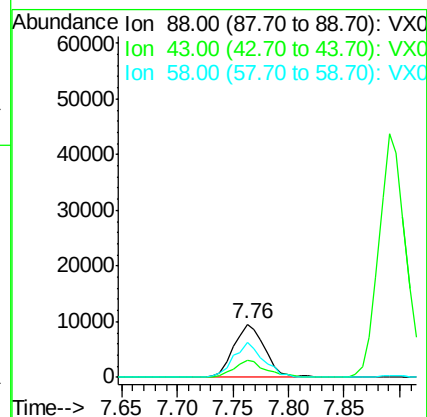
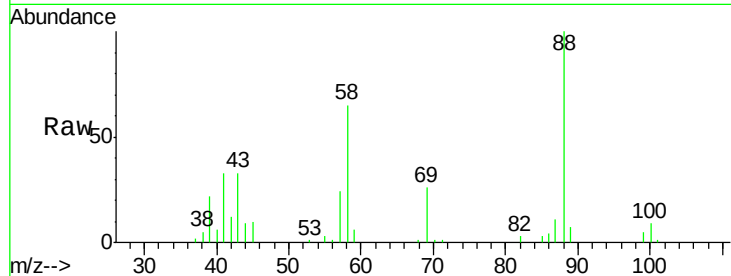
ClientSampleId :

VX0323WBS01

Tot Ion:	88	Resp:	18338
Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.8	40.2
58	63.2	52.2	78.2

Manual Integrations
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#50

Toluene-d8

Concen: 49.34 ug/l

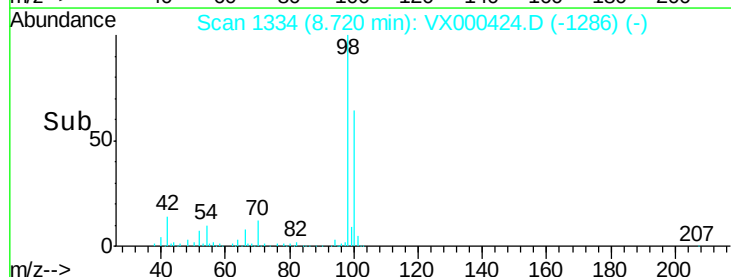
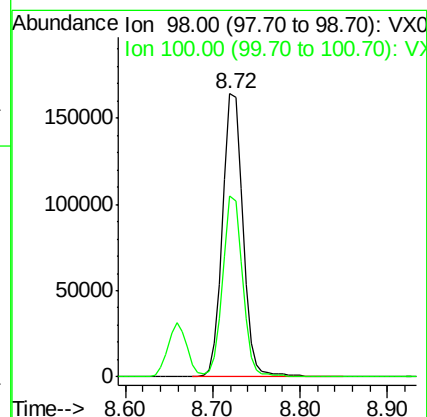
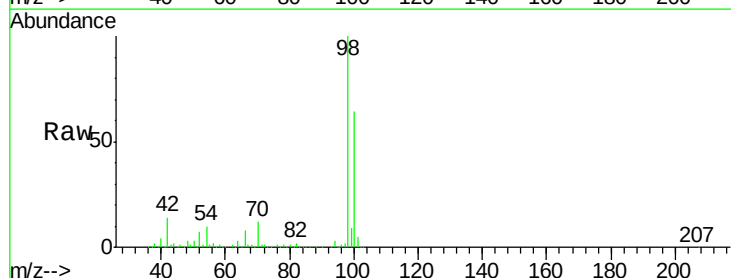
RT: 8.72 min Scan# 1334

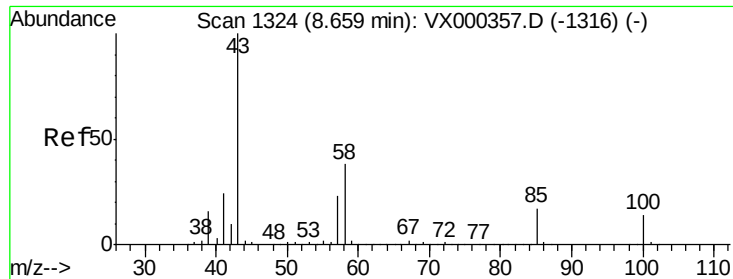
Delta R.T. -0.01 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Tgt Ion:	98	Resp:	265706
Ion	Ratio	Lower	Upper
98	100		
100	61.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 109.45 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion: 43 Resp: 332958

Ion Ratio Lower Upper

43 100

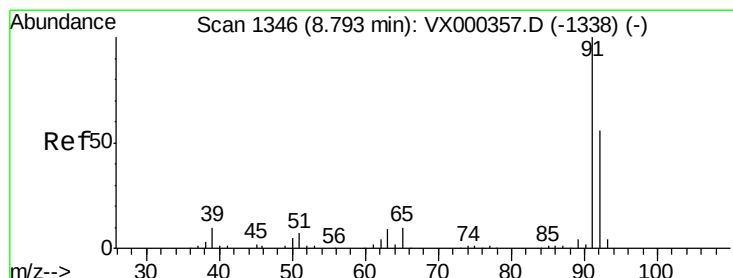
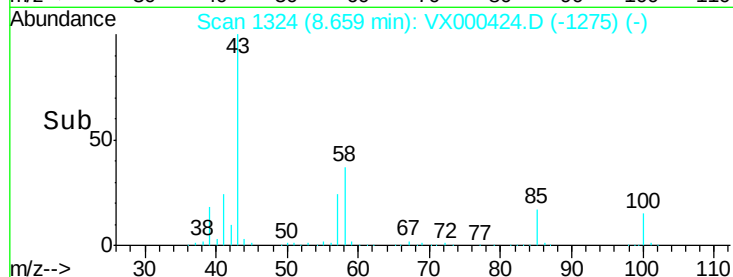
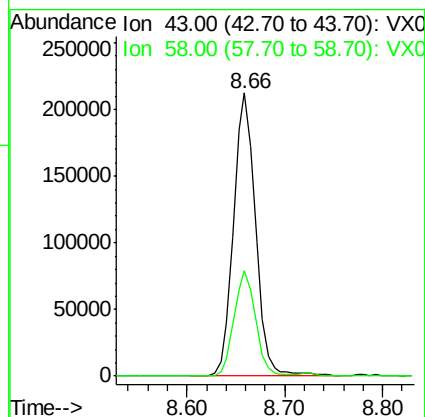
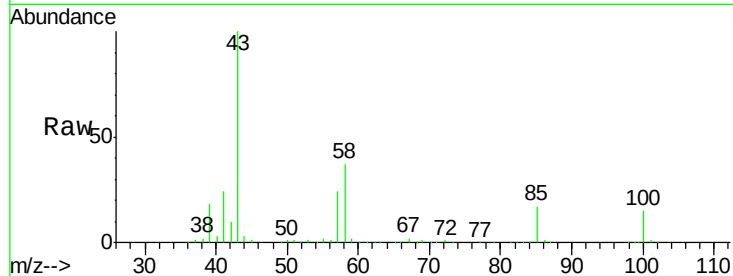
58 36.1 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 20.11 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000424.D

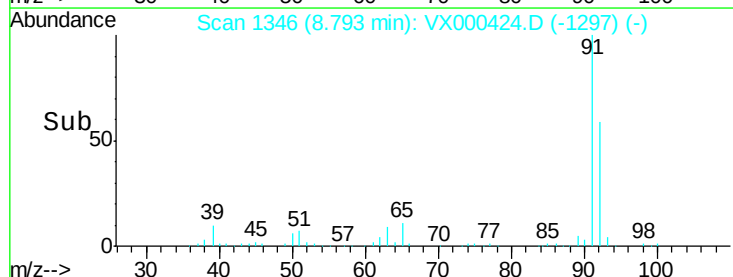
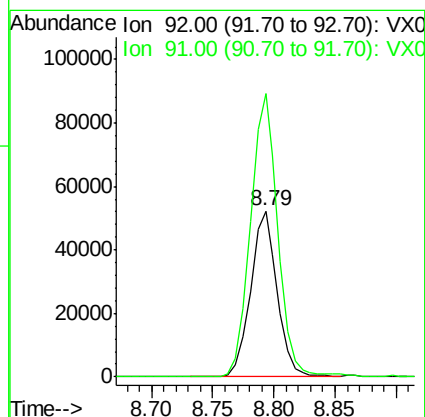
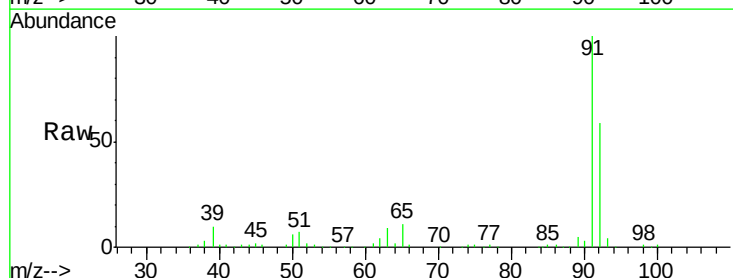
Acq: 23 Mar 2018 12:36

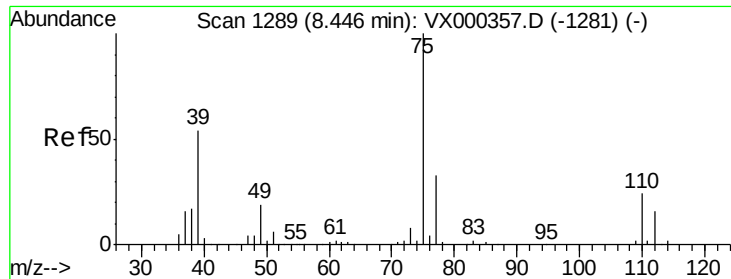
Tgt Ion: 92 Resp: 78927

Ion Ratio Lower Upper

92 100

91 175.9 140.2 210.2





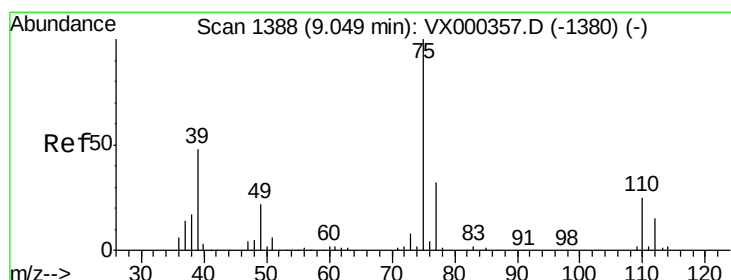
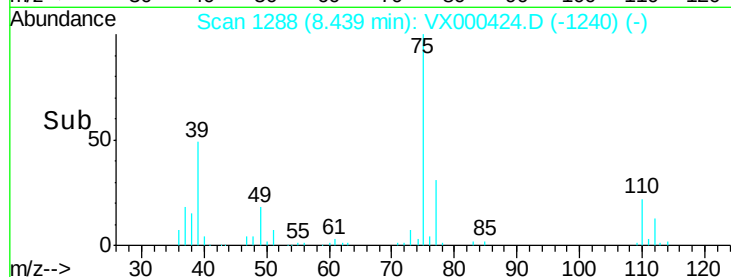
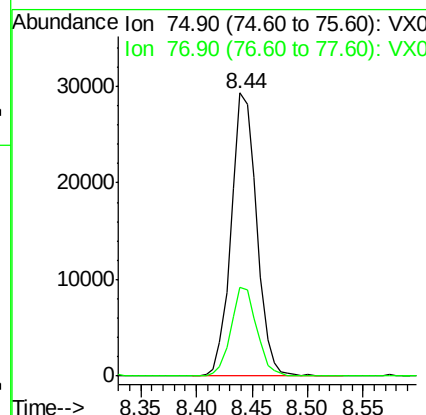
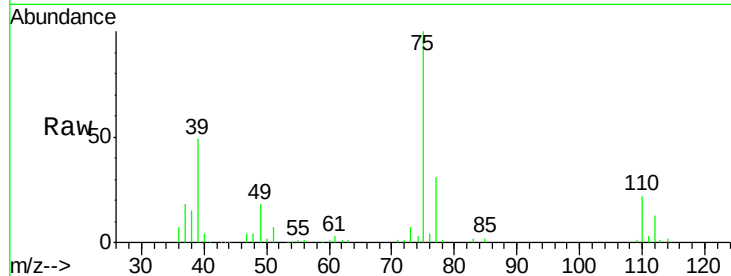
#53
 t-1,3-Dichloropropene
 Concen: 20.25 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBS01

Tot Ion: 75 Resp: 46557
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.0 36.0

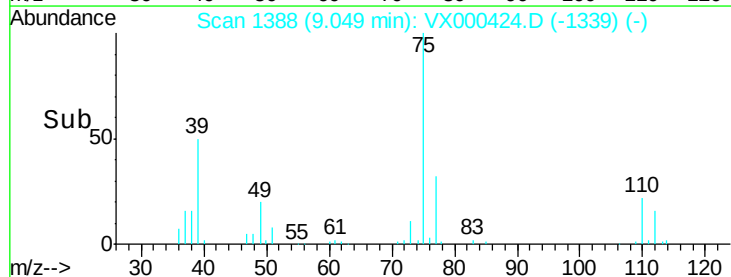
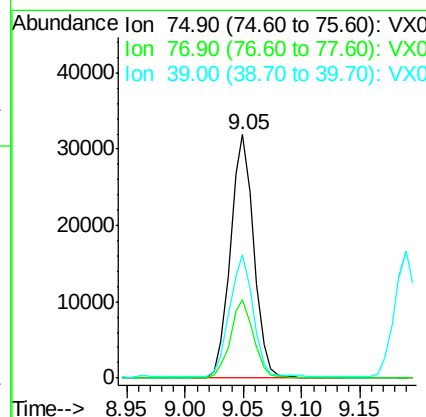
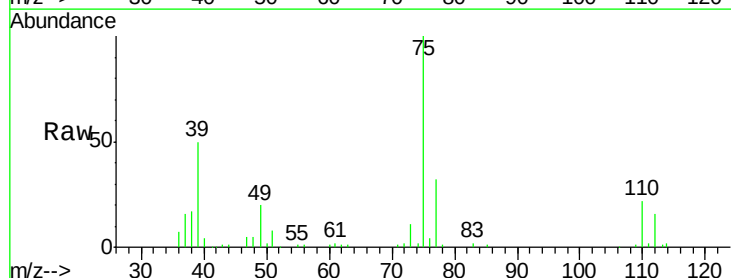
Manual Integrations
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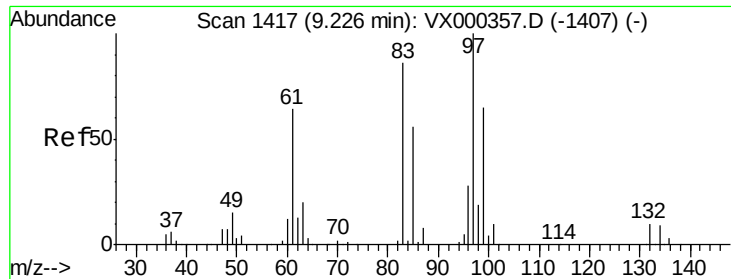
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 19.85 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Tgt Ion: 75 Resp: 44272
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.1 39.1
 39 49.9 39.8 59.6





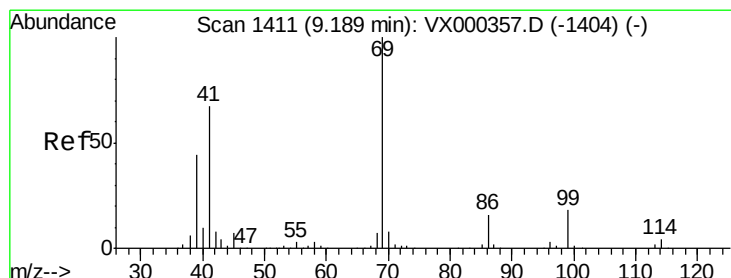
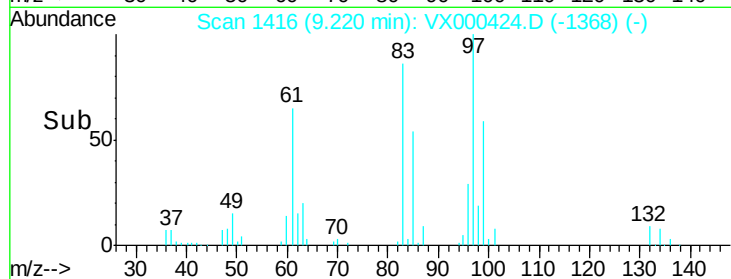
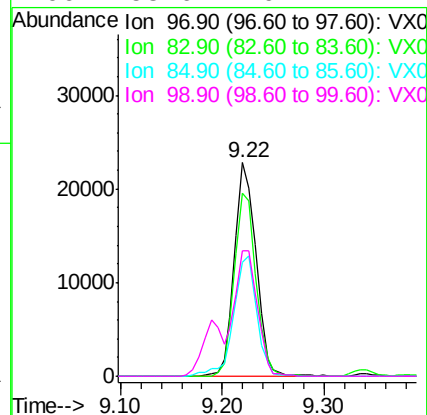
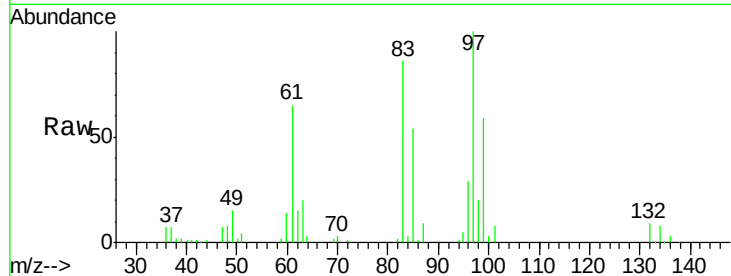
#55
 1,1,2-Trichloroethane
 Concen: 20.77 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.9	101.9
85	53.5	42.8	64.2
99	58.6	49.4	74.2

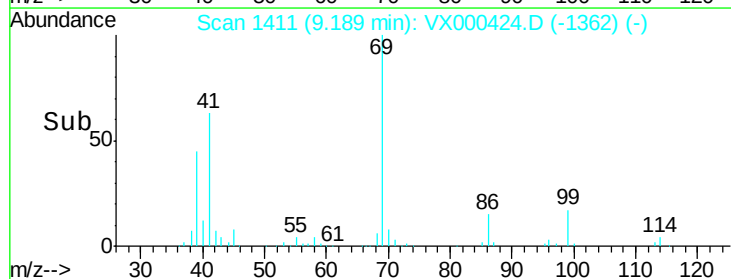
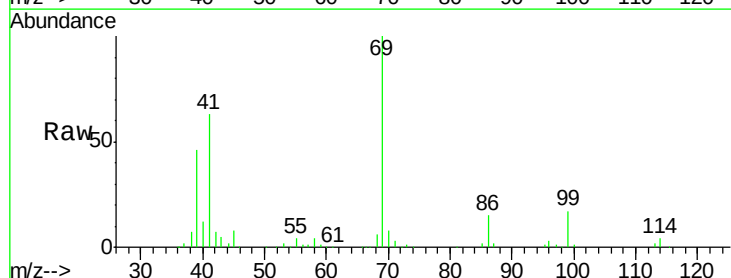
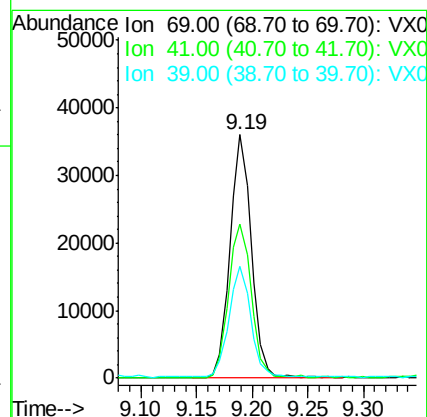
Manual Integrations
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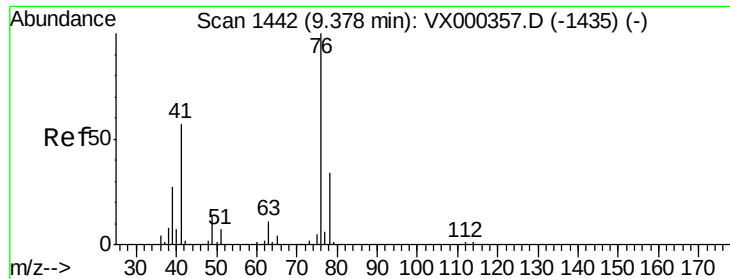
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#56
 Ethyl methacrylate
 Concen: 19.67 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.1	53.0	79.6
39	45.8	35.3	52.9





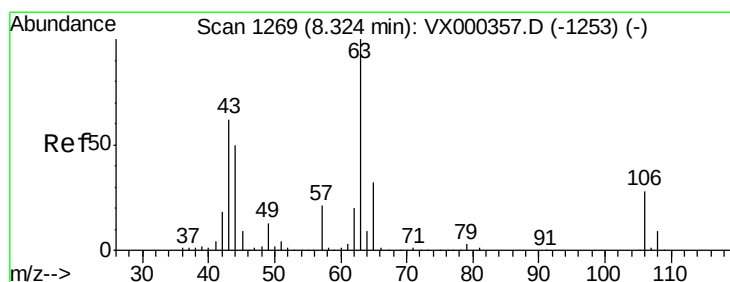
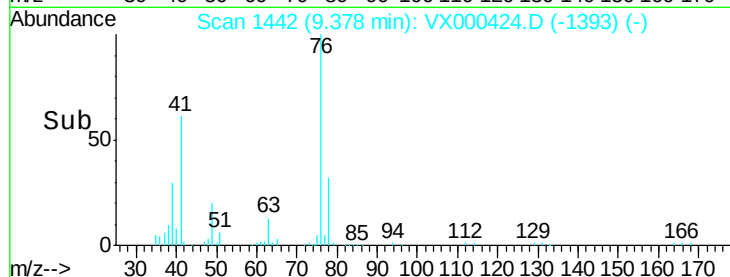
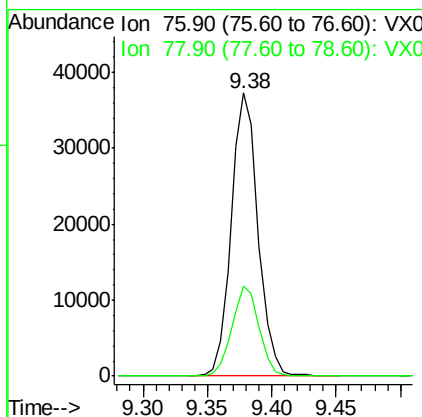
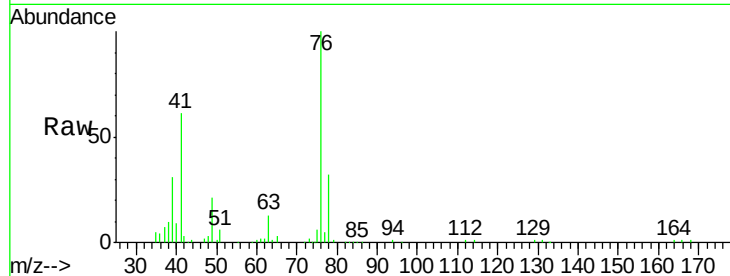
#57
 1,3-Dichloropropane
 Concen: 20.94 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Instrument :
 MSVOA_X
 ClientSampled :
 VX0323WBS01

Tot Ion: 76 Resp: 54056
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.4 39.6

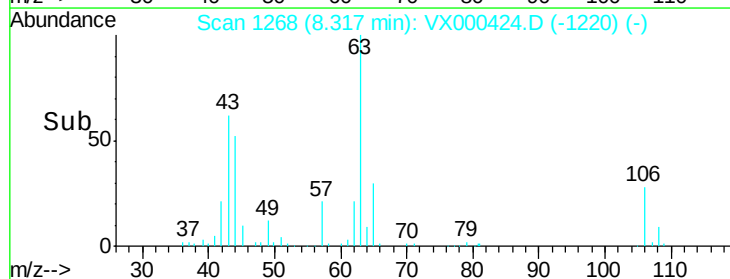
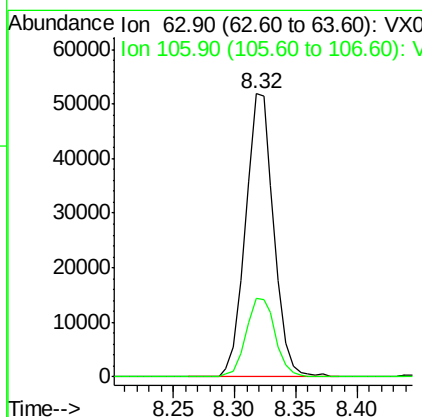
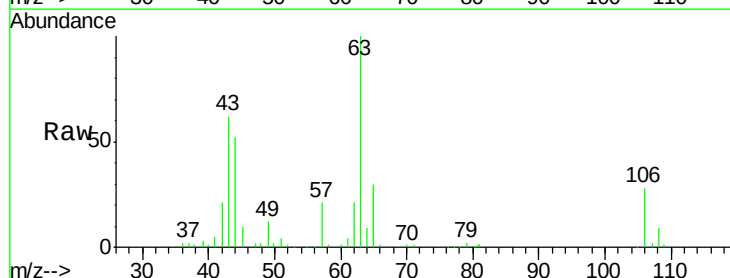
Manual Integrations
 APPROVED

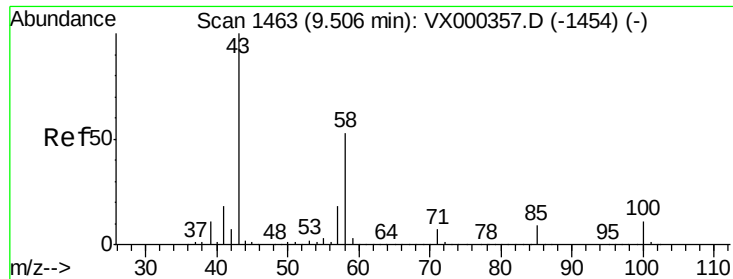
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 70.83 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Tgt Ion: 63 Resp: 83134
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.2 34.8





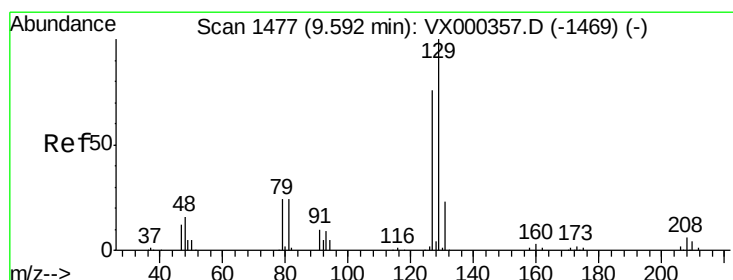
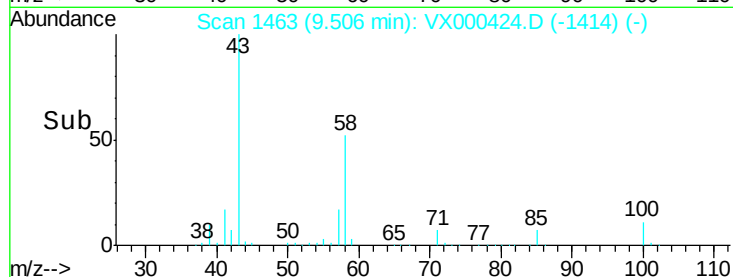
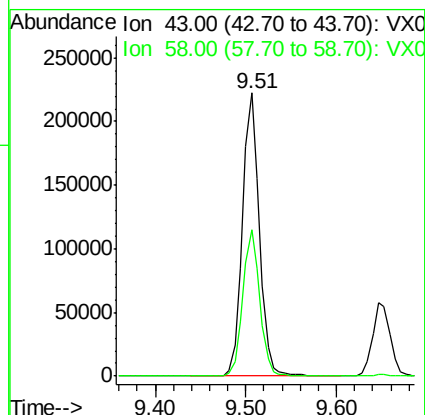
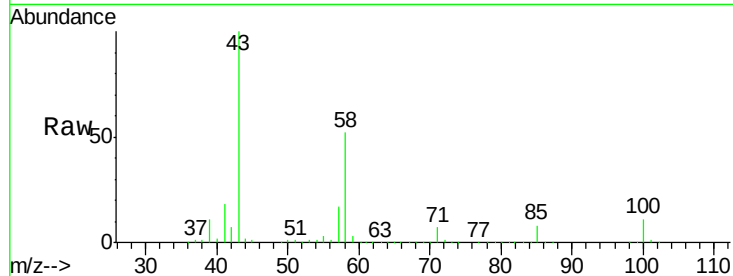
#59
2-Hexanone
Concen: 111.04 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

Tot Ion: 43 Resp: 286834
Ion Ratio Lower Upper
43 100
58 52.0 26.6 79.7

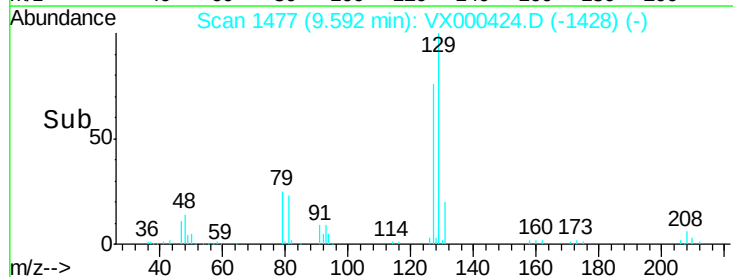
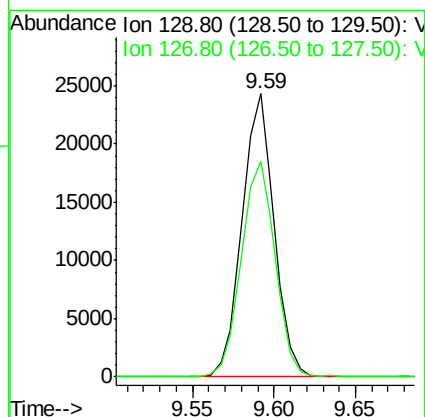
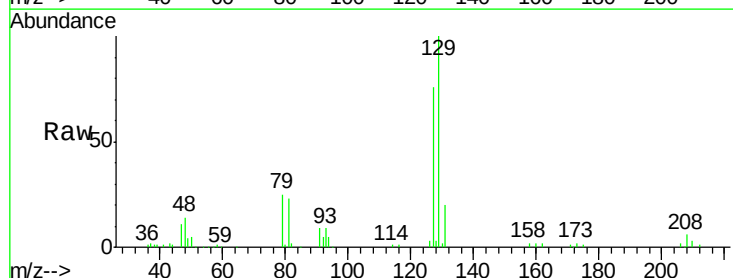
Manual Integrations
APPROVED

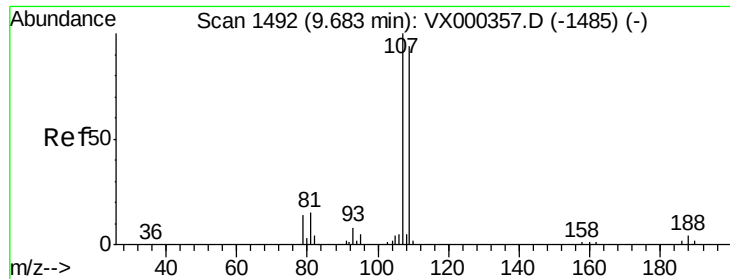
sam
3/26/2018 2:36:19 PM



#60
Dibromochloromethane
Concen: 20.09 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion: 129 Resp: 33244
Ion Ratio Lower Upper
129 100
127 80.6 37.9 113.6





#61

1,2-Dibromoethane

Concen: 20.63 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion:107 Resp: 35698

Ion Ratio Lower Upper

107 100

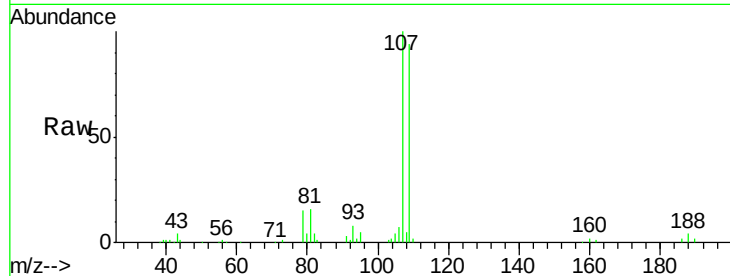
109 96.7 76.1 114.1

Manual Integrations

APPROVED

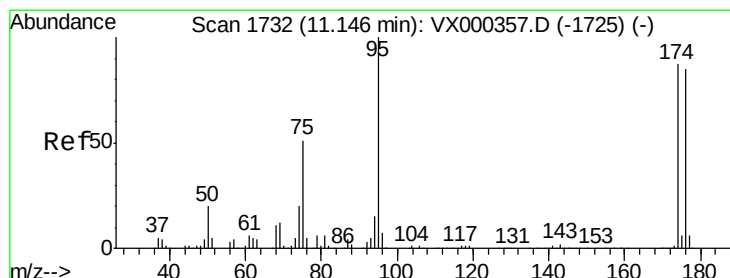
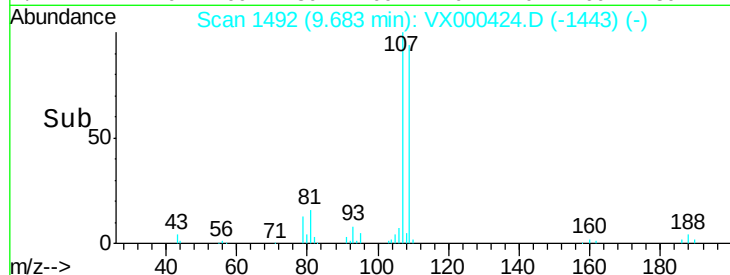
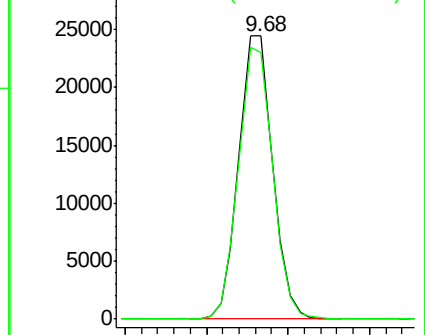
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.47 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

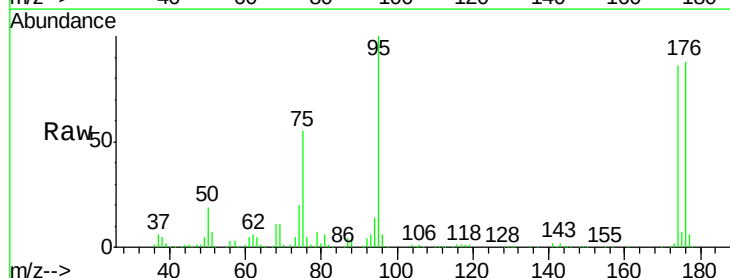
Tgt Ion: 95 Resp: 96835

Ion Ratio Lower Upper

95 100

174 88.7 0.0 173.6

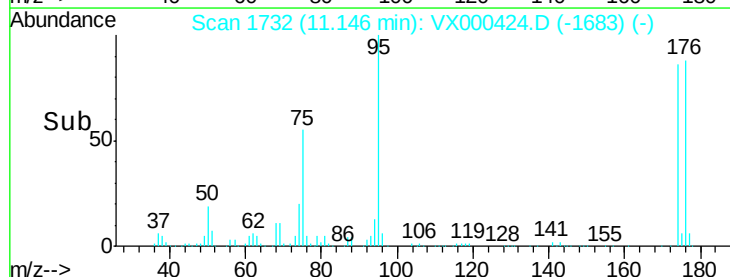
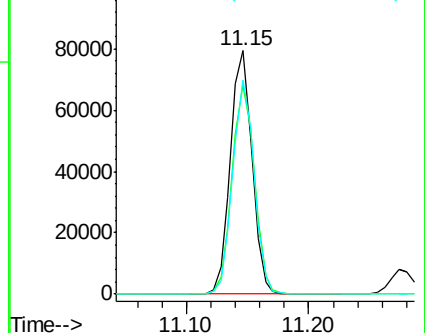
176 86.8 0.0 164.6

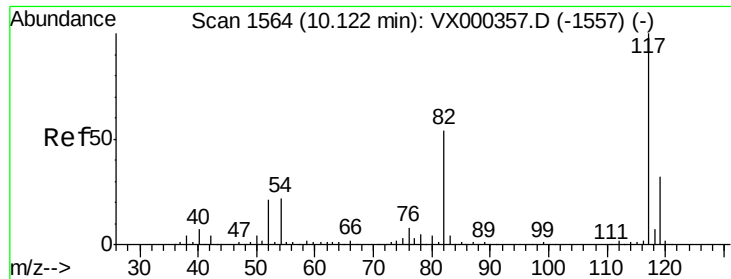


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





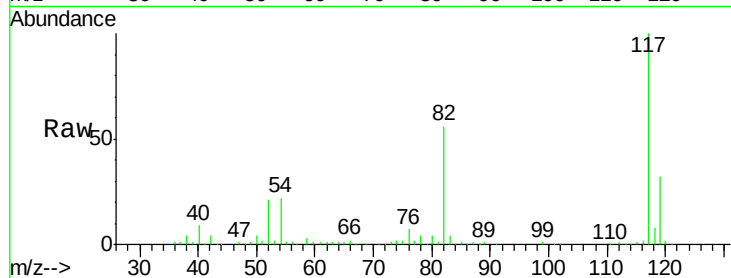
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.8	65.8
119	32.4	24.9	37.3

Manual Integrations
APPROVED

sam
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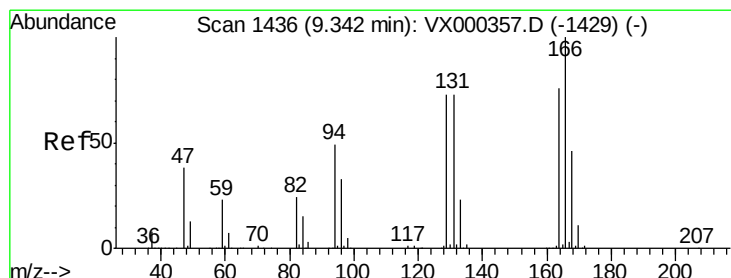
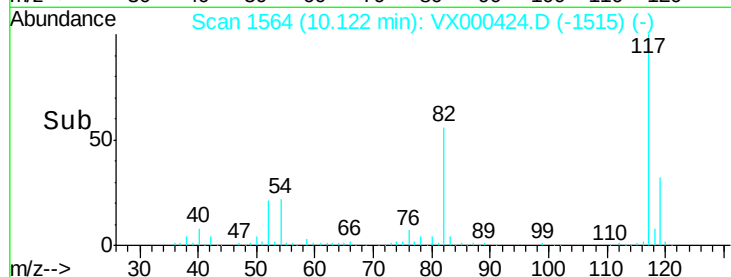
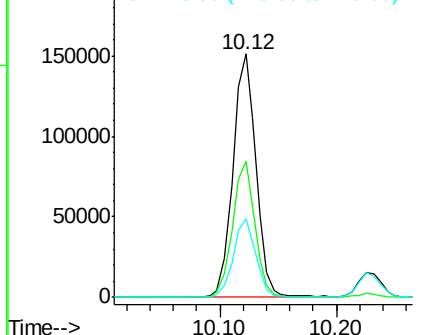


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.90 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.0	151.6
129	89.0	79.0	118.4
131	78.7	71.9	107.9

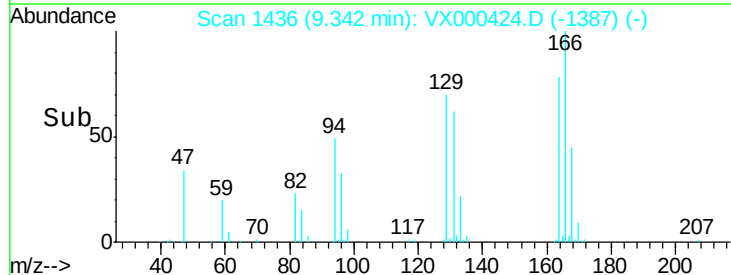
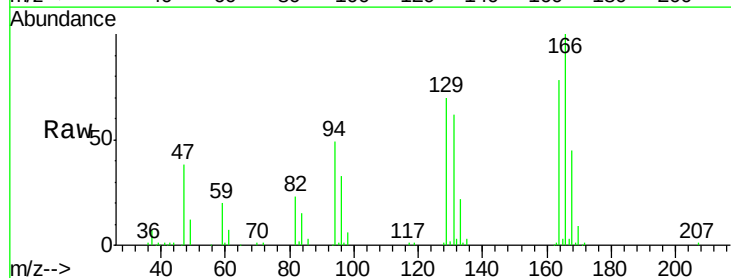
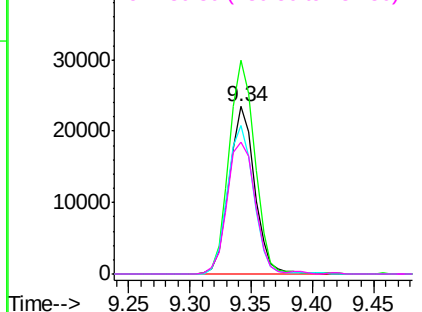
Abundance

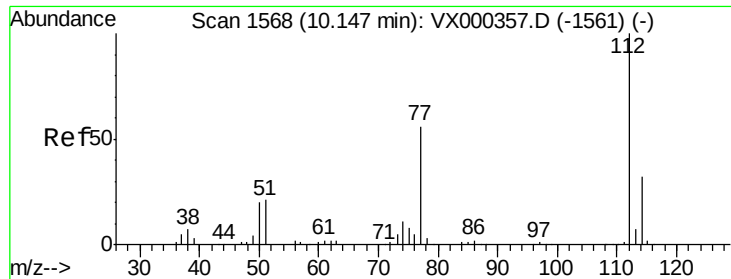
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





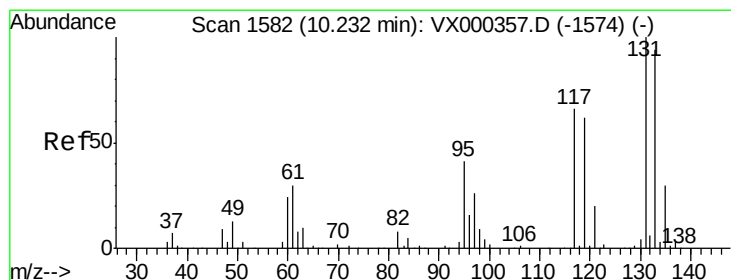
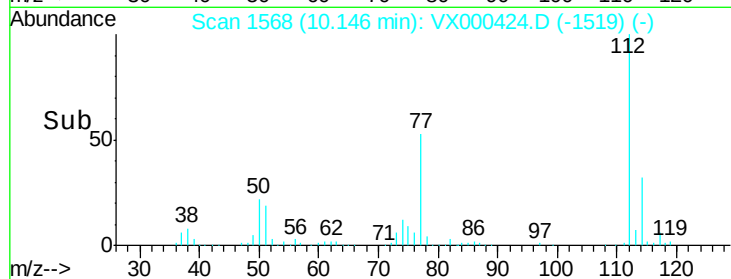
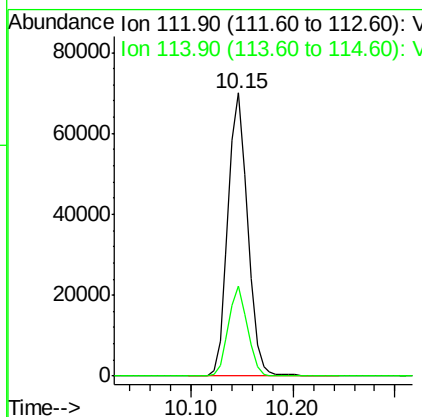
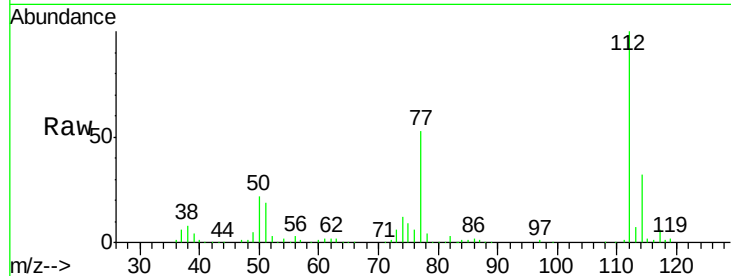
#65
Chlorobenzene
Concen: 20.20 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

Tot Ion:112 Resp: 93680
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5

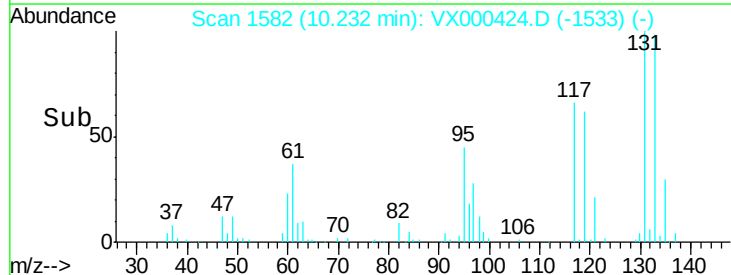
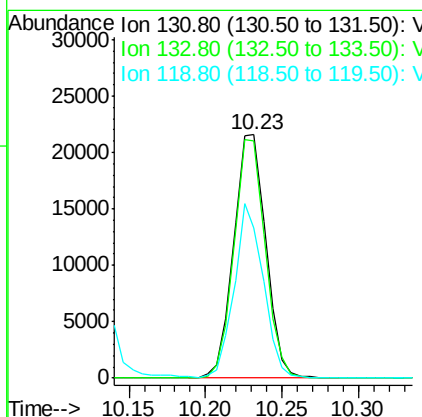
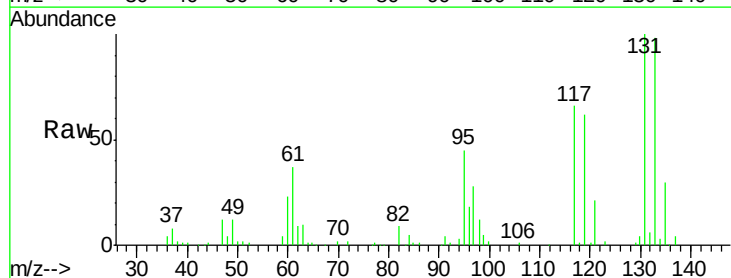
Manual Integrations
APPROVED

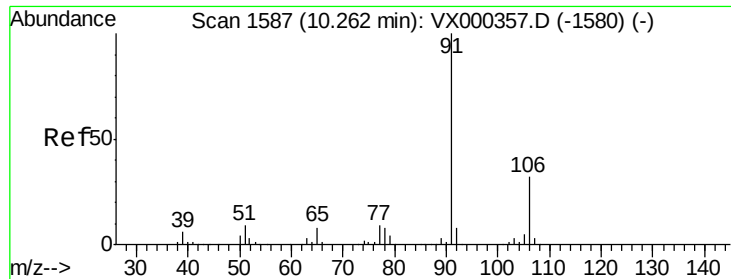
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.98 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion:131 Resp: 31474
Ion Ratio Lower Upper
131 100
133 95.0 47.1 141.3
119 64.6 33.1 99.2





#67

Ethyl Benzene

Concen: 20.29 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion: 91 Resp: 159574

Ion Ratio Lower Upper

91 100

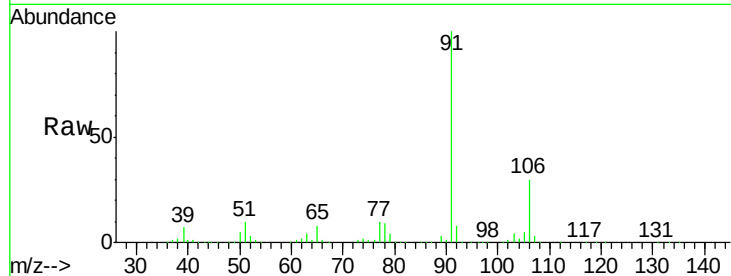
106 30.3 25.0 37.6

Manual Integrations

APPROVED

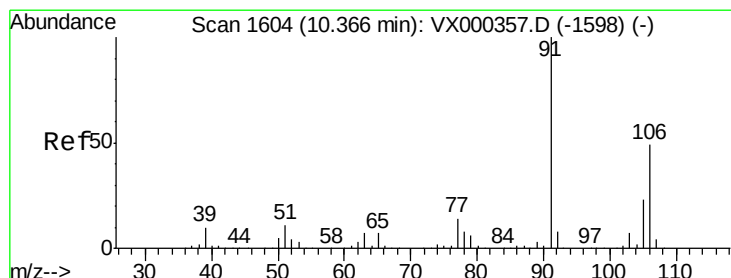
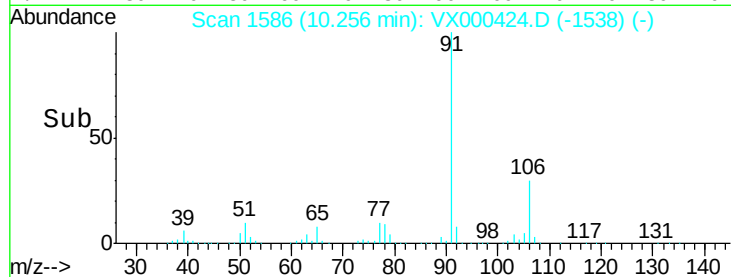
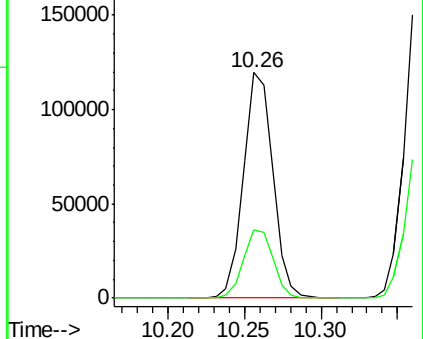
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.33 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000424.D

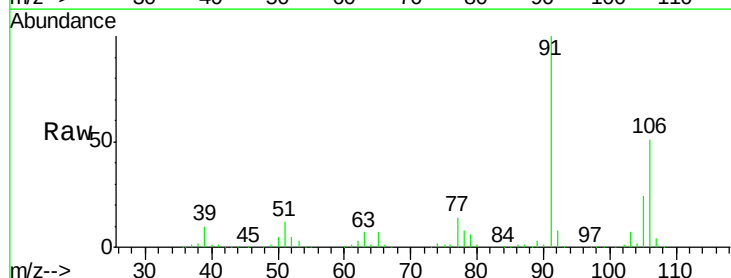
Acq: 23 Mar 2018 12:36

Tgt Ion: 106 Resp: 124805

Ion Ratio Lower Upper

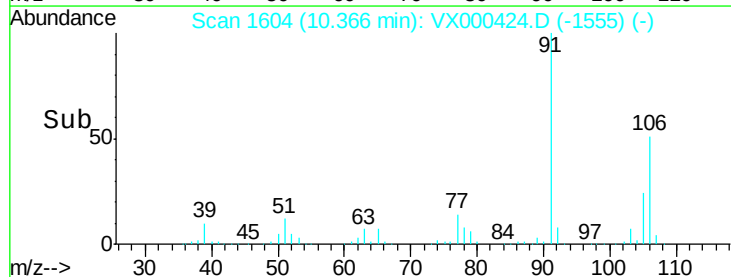
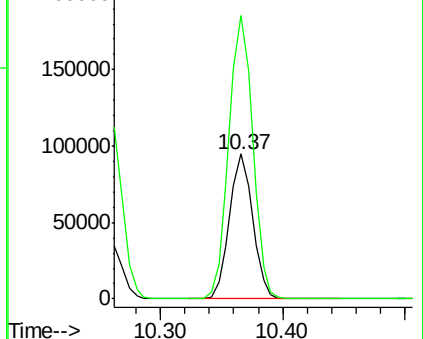
106 100

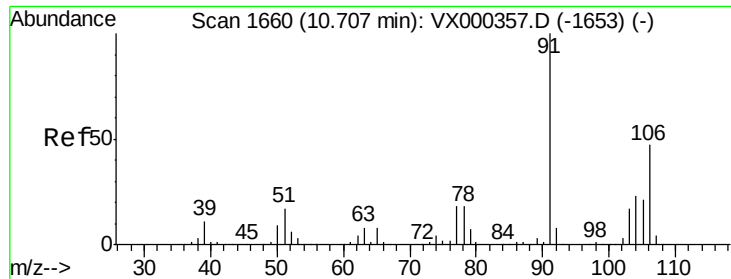
91 200.7 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





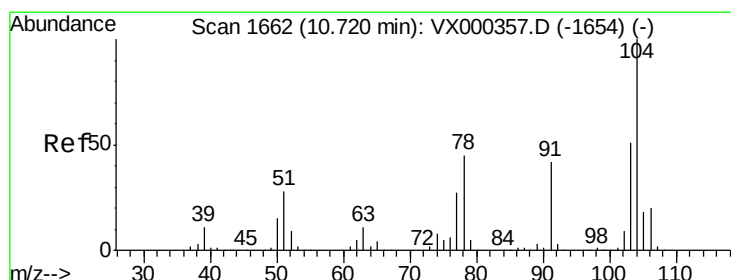
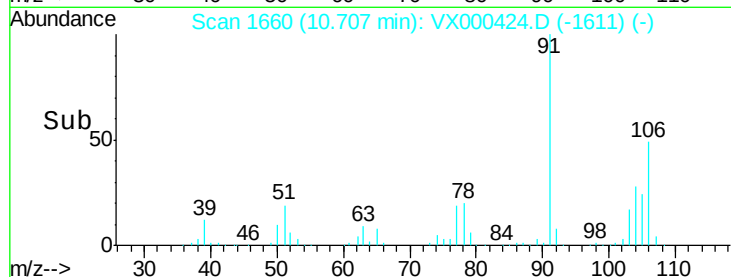
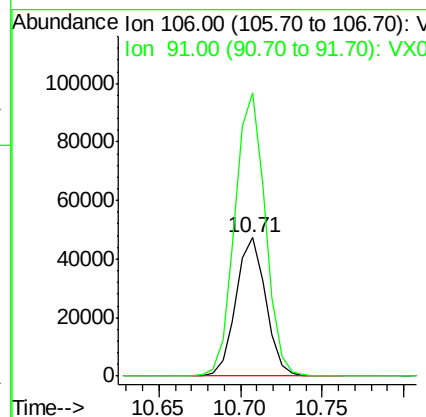
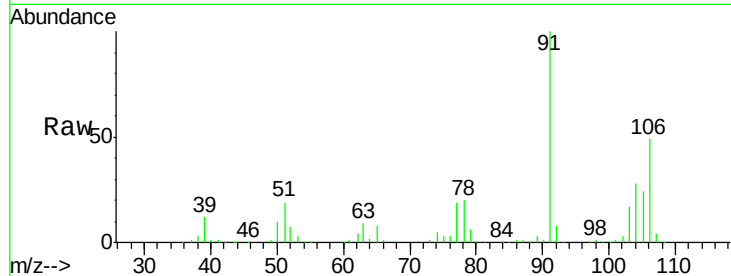
#69
o-Xylene
Concen: 20.06 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampled :
VX0323WBS01

Tot Ion:106 Resp: 60112
Ion Ratio Lower Upper
106 100
91 208.8 106.5 319.6

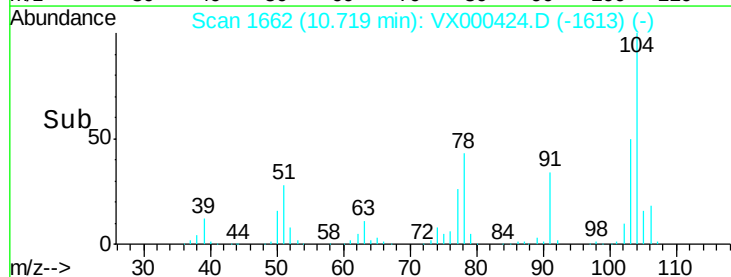
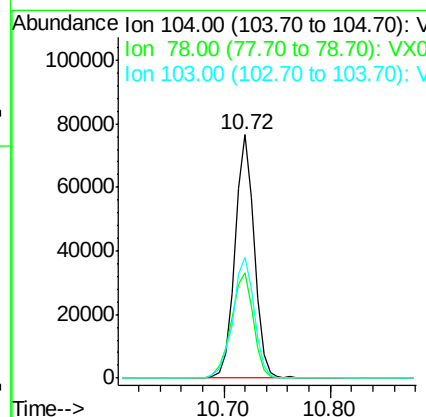
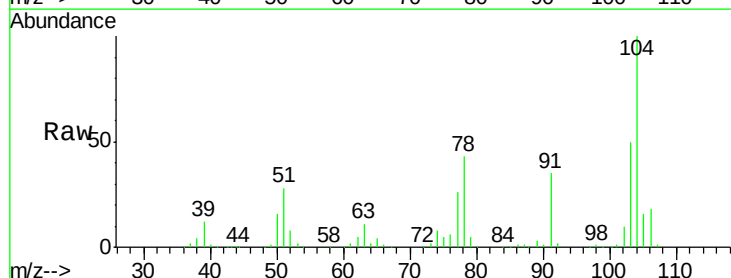
Manual Integrations
APPROVED

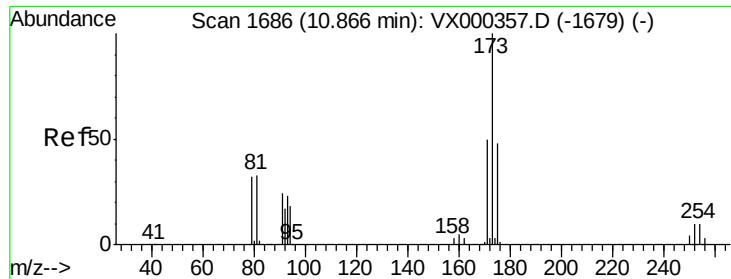
sam
3/26/2018 2:36:19 PM



#70
Styrene
Concen: 19.66 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion:104 Resp: 97439
Ion Ratio Lower Upper
104 100
78 49.9 40.5 60.7
103 54.9 45.7 68.5





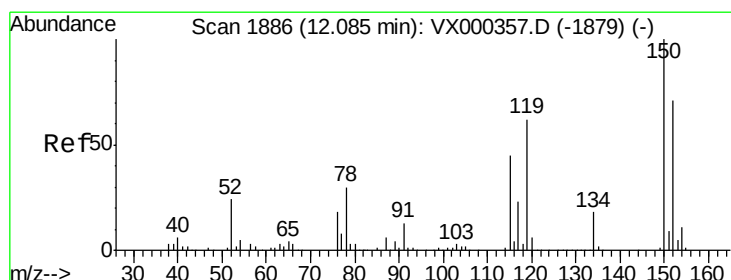
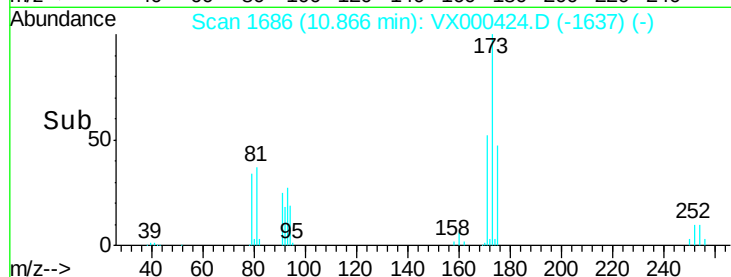
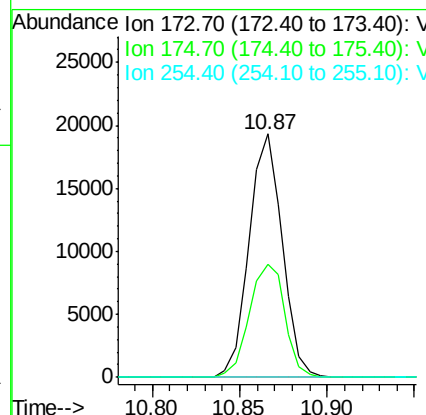
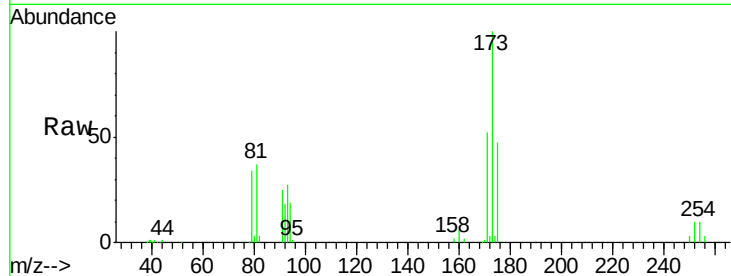
#71
Bromoform
Concen: 18.87 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	25.4	76.4
254	0.0	0.0	0.0

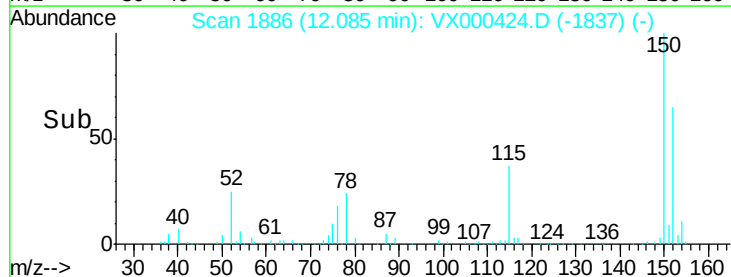
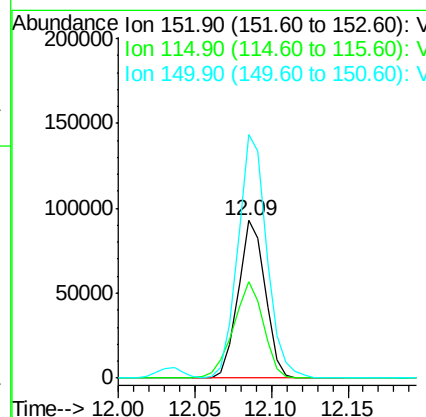
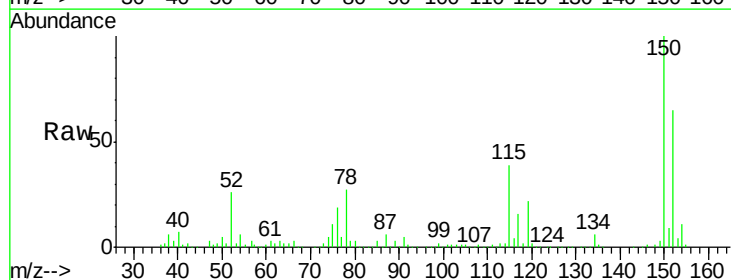
Manual Integrations
APPROVED

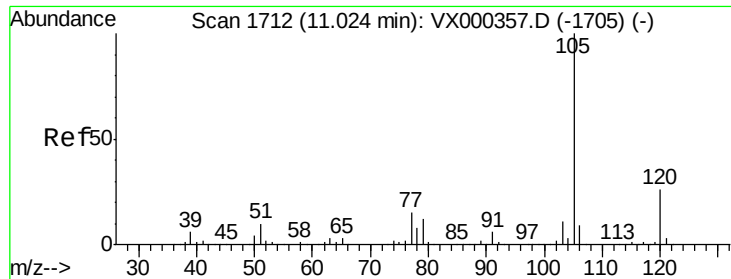
sam
3/26/2018 2:36:19 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.9	39.8	119.3
150	164.3	0.0	344.4





#73

Isopropylbenzene

Concen: 22.31 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion: 105 Resp: 168252

Ion Ratio Lower Upper

105 100

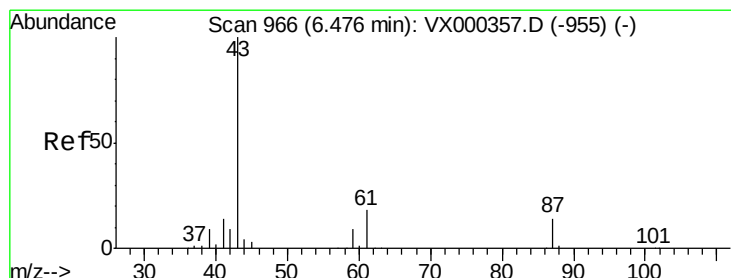
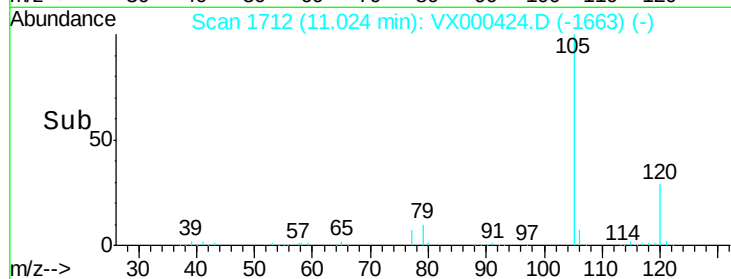
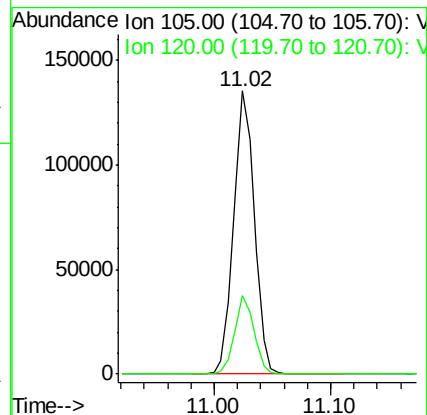
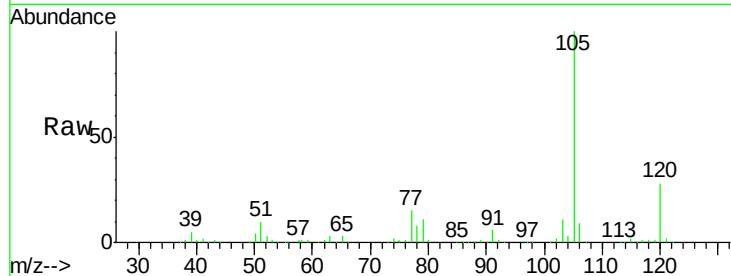
120 26.1 13.6 40.7

Manual Integrations

APPROVED

sam

3/26/2018 2:36:19 PM



#74

N-ethyl acetate

Concen: 22.04 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Tgt Ion: 43 Resp: 78513

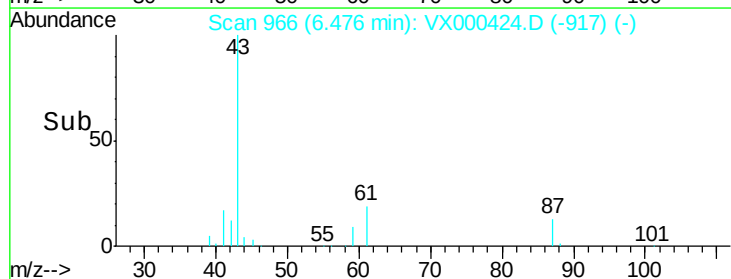
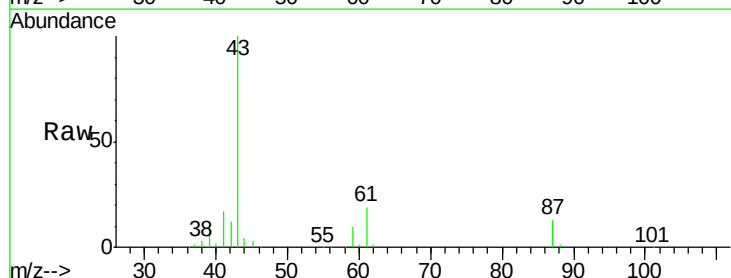
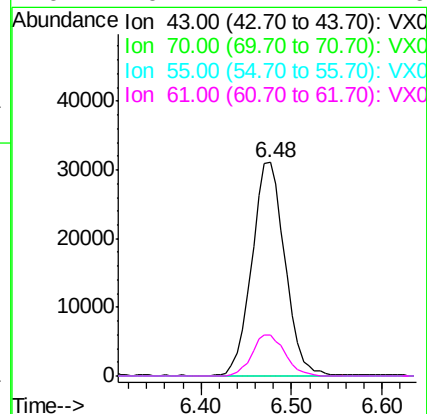
Ion Ratio Lower Upper

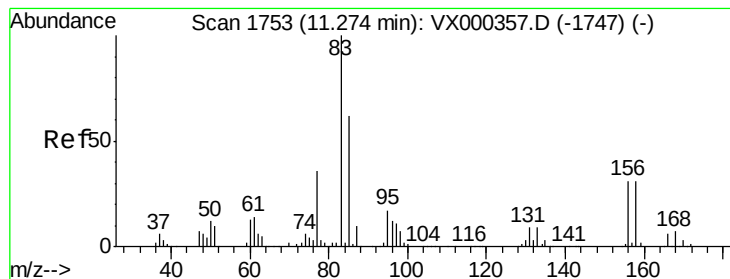
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.1 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.17 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

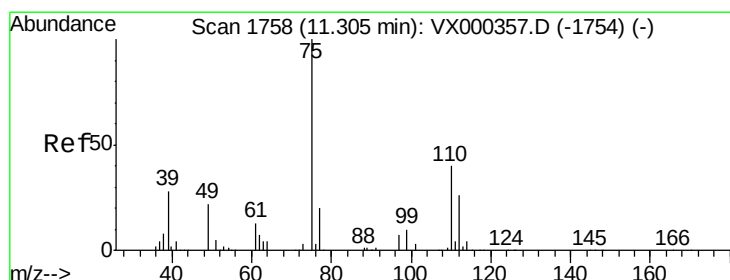
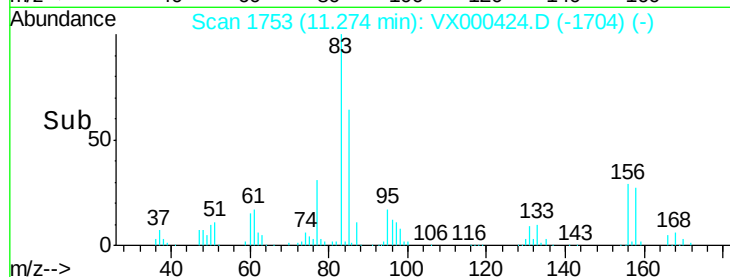
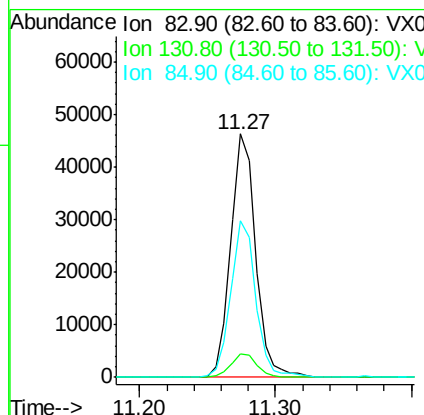
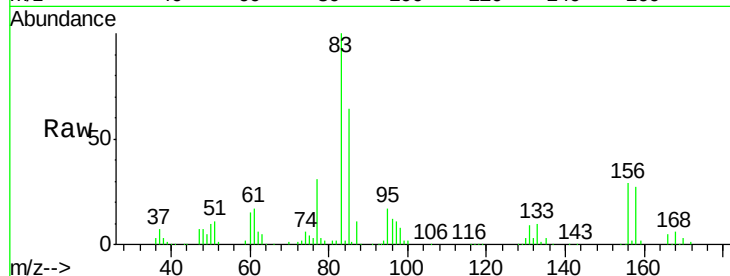
ClientSampleId :

VX0323WBS01

Tot Ion:	83	Resp:	59150
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	64.7	32.5	97.5

Manual Integrations
APPROVED

sam
3/26/2018 2:36:19 PM



#76

1,2,3-Trichloropropane

Concen: 22.20 ug/l m

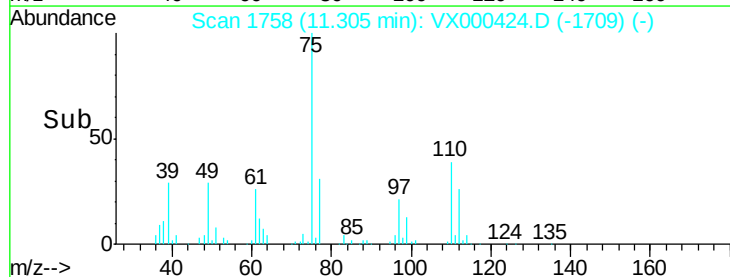
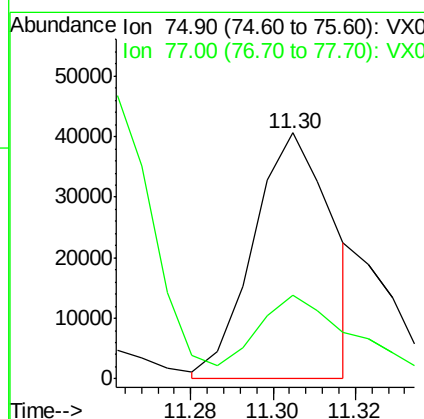
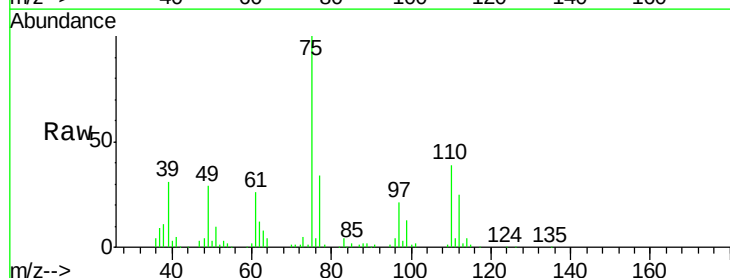
RT: 11.30 min Scan# 1758

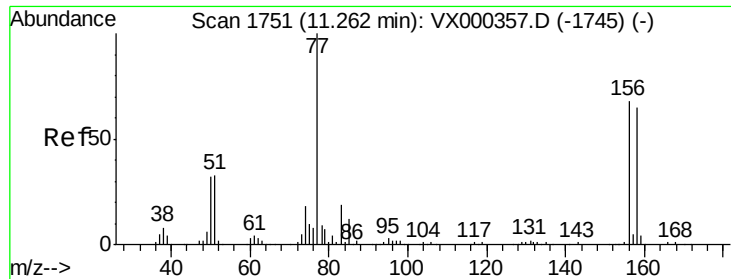
Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Tgt Ion:	75	Resp:	54297
Ion Ratio	Lower	Upper	
75	100		
77	42.0	21.4	64.2





#77

Bromobenzene

Concen: 20.55 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion:156 Resp: 41288

Ion Ratio Lower Upper

156 100

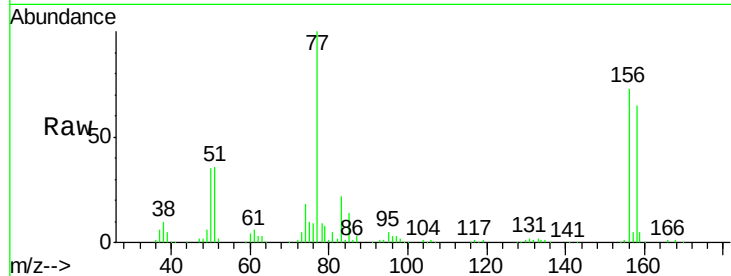
77 147.7 73.4 220.2

158 94.7 48.5 145.6

Manual Integrations
APPROVED

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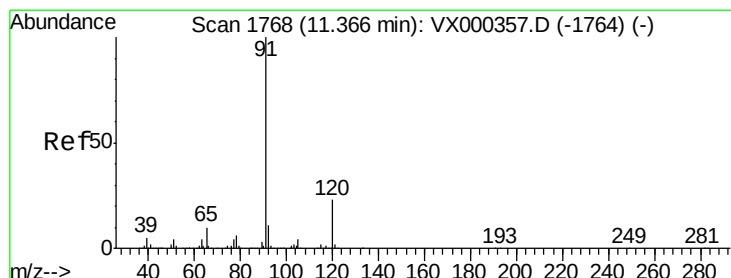
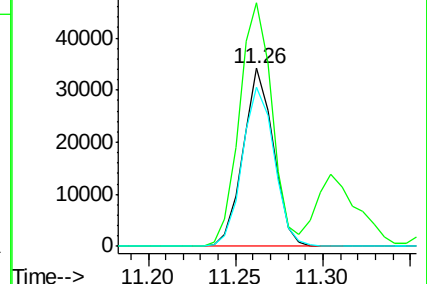
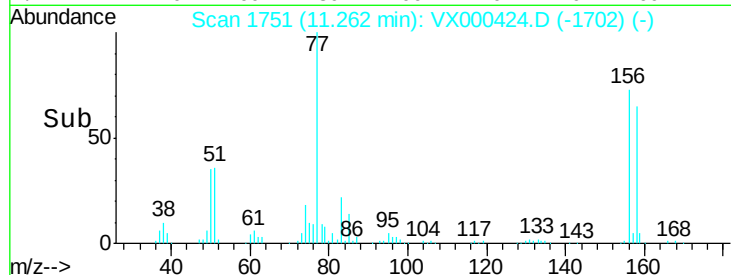
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.46 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000424.D

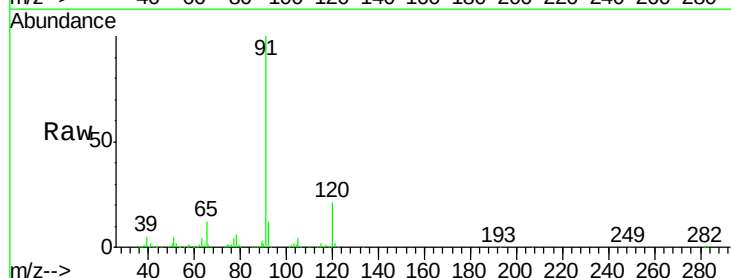
Acq: 23 Mar 2018 12:36

Tgt Ion: 91 Resp: 193028

Ion Ratio Lower Upper

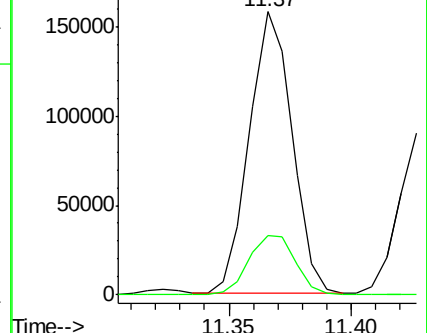
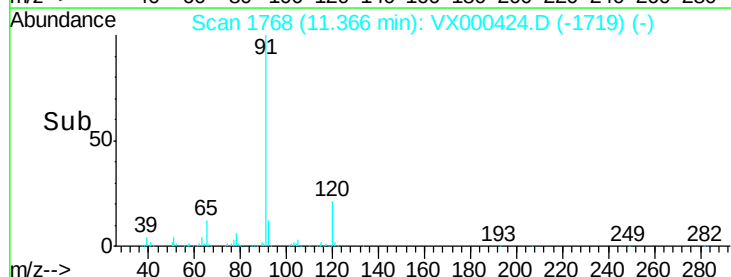
91 100

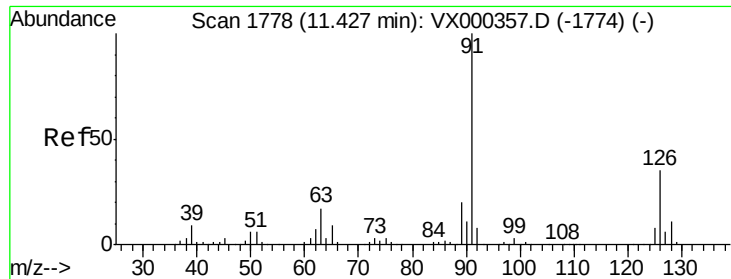
120 23.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.23 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion: 91 Resp: 110280

Ion Ratio Lower Upper

91 100

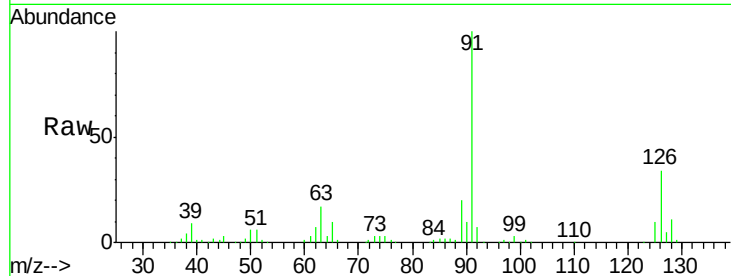
126 35.4 17.7 53.1

Manual Integrations

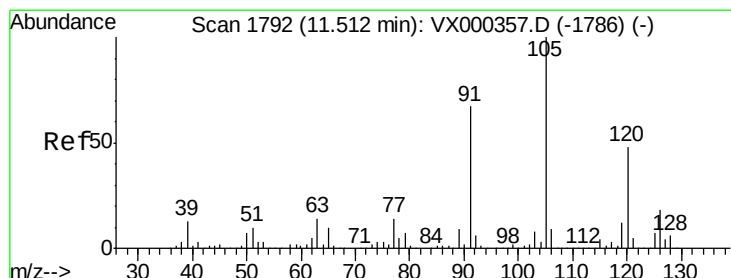
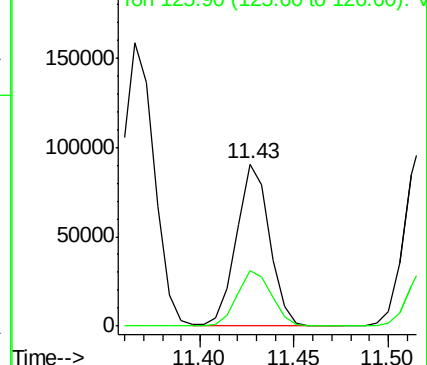
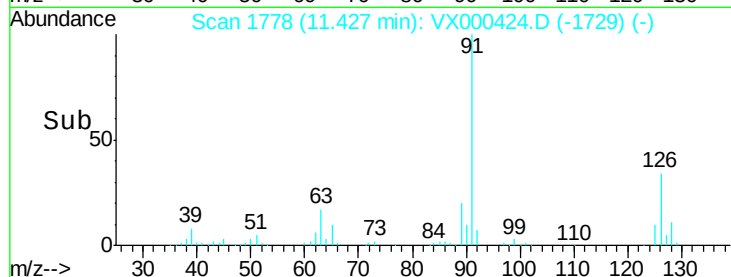
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Abundance Ion 91.00 (90.70 to 91.70): VX000424.D (-1729) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.97 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000424.D

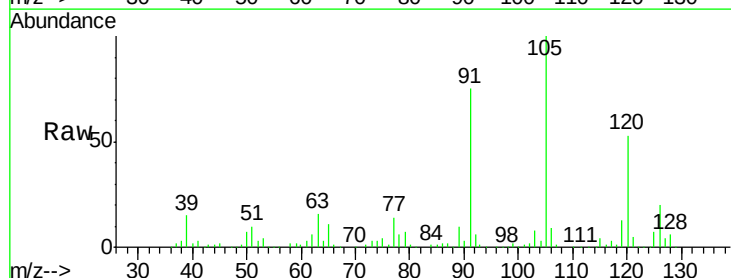
Acq: 23 Mar 2018 12:36

Tgt Ion: 105 Resp: 132979

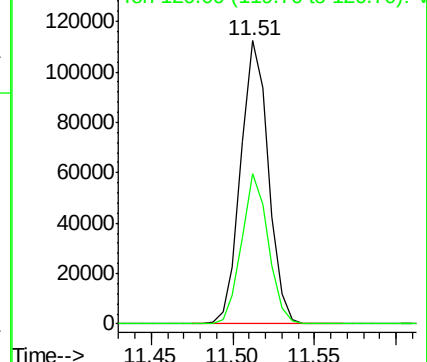
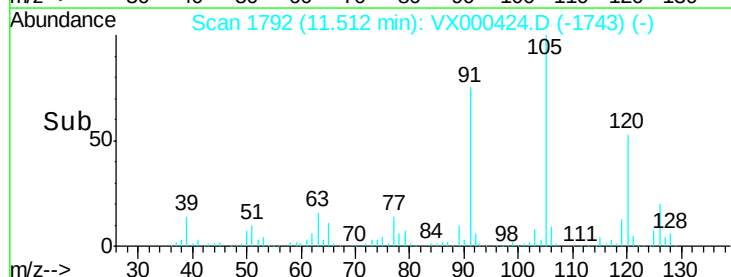
Ion Ratio Lower Upper

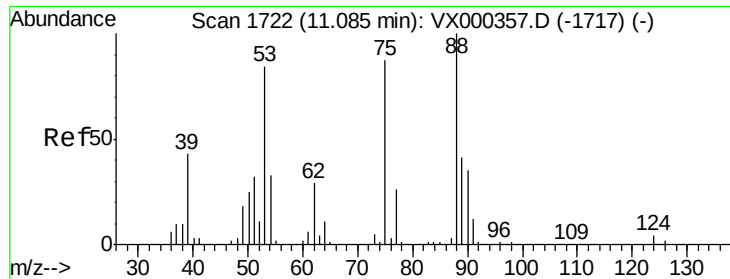
105 100

120 51.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000424.D (-1743) (-)





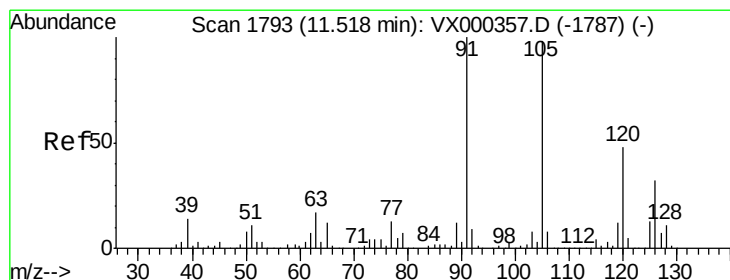
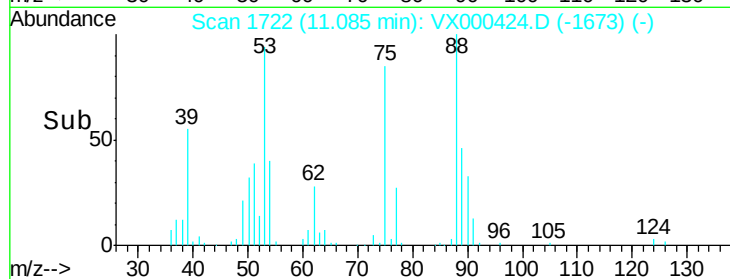
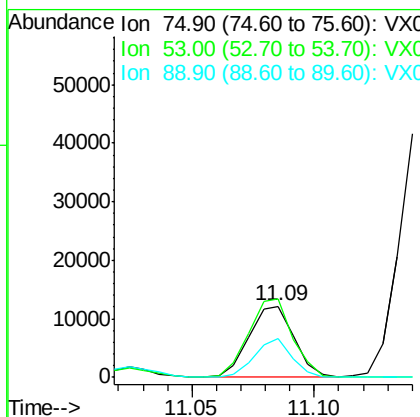
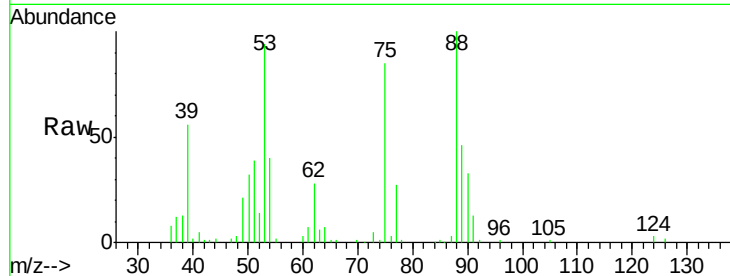
#81
trans-1,4-Dichloro-2-butene
Concen: 20.80 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.7	80.7	121.1
89	45.5	39.4	59.0

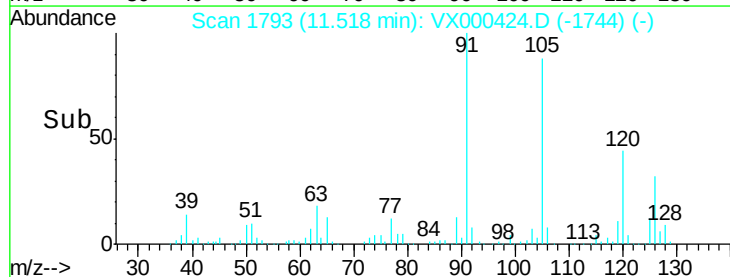
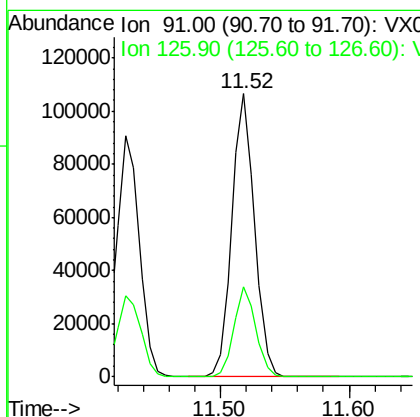
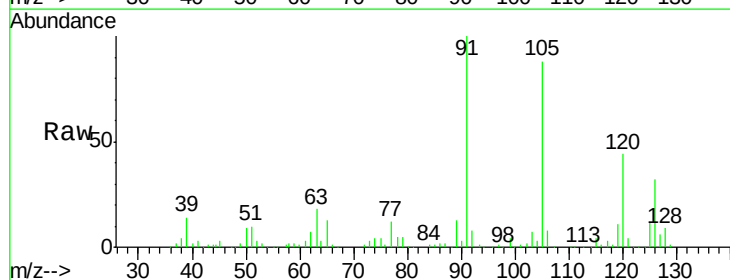
Manual Integrations
APPROVED

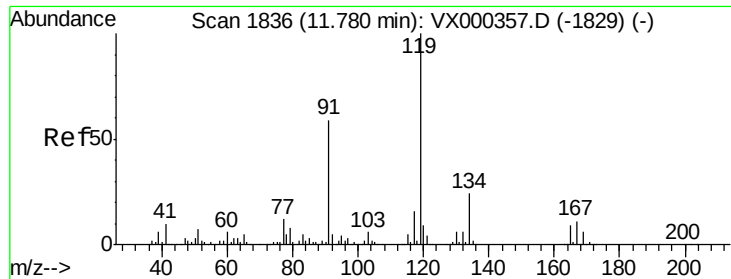
sam
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#82
4-Chlorotoluene
Concen: 21.19 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000424.D
Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.4	46.1





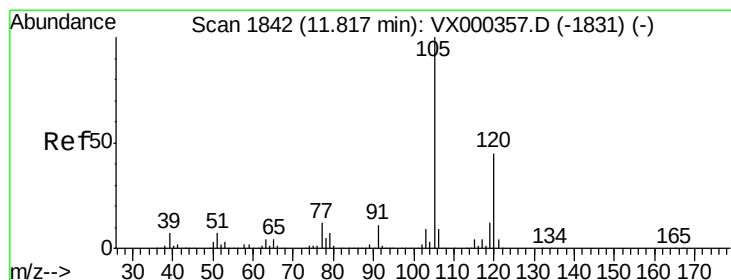
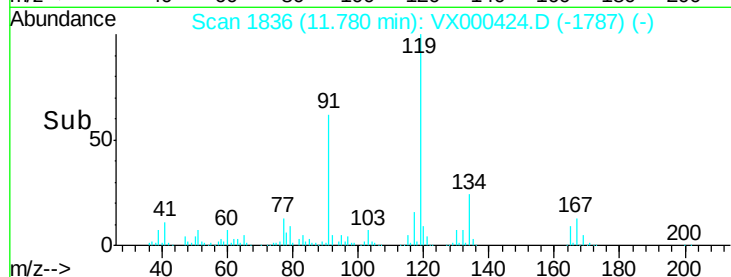
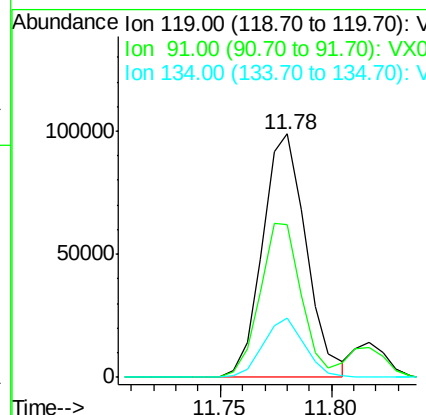
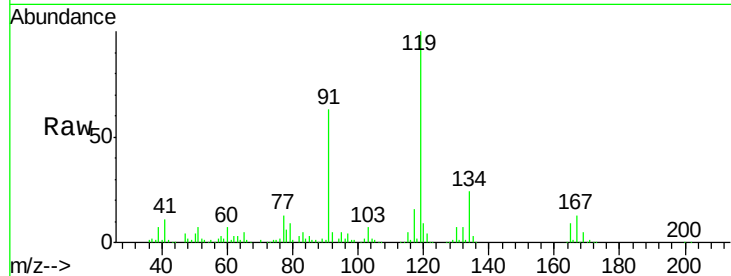
#83
 tert-Butylbenzene
 Concen: 21.07 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Instrument :
 MSVOA_X
 ClientSampled :
 VX0323WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	134732		
91	60.1	28.8	86.4	
134	22.8	11.4	34.1	

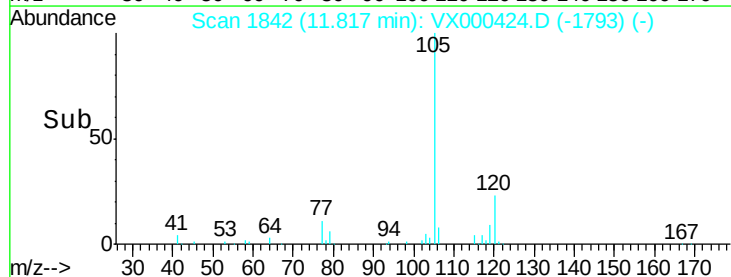
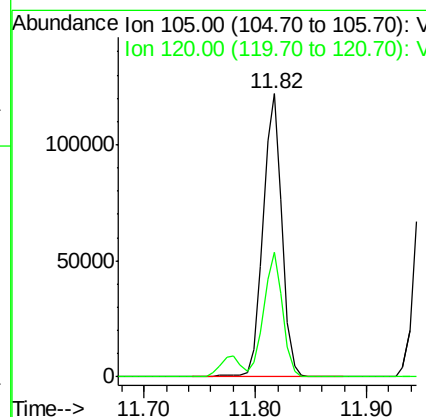
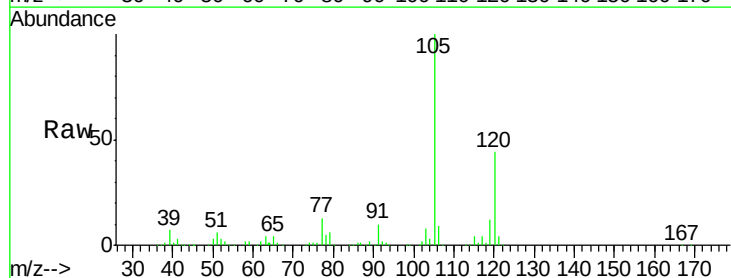
Manual Integrations
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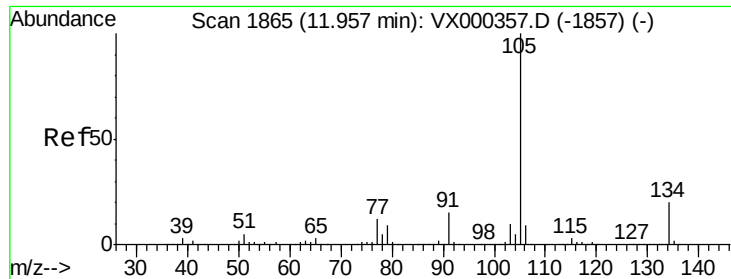
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.73 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	144467		
120	43.7	22.4	67.3	





#85

sec-Butylbenzene

Concen: 21.81 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampled :

VX0323WBS01

Tot Ion:105 Resp: 172558

Ion Ratio Lower Upper

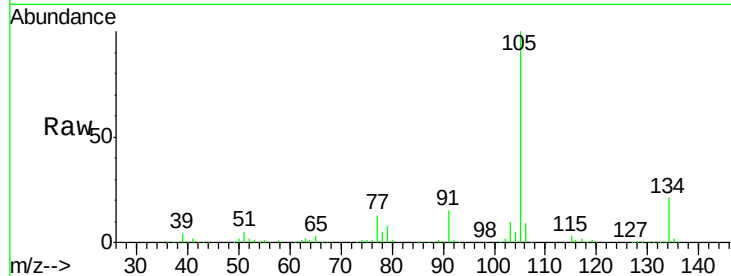
105 100

134 19.6 10.3 30.8

Manual Integrations
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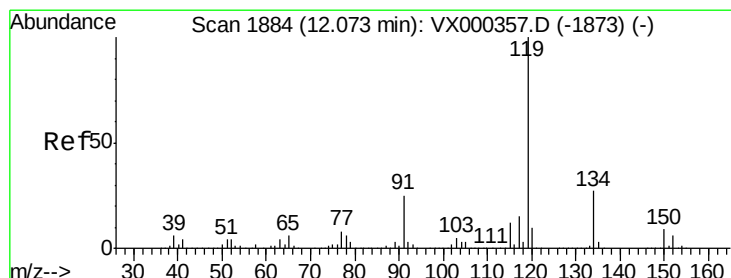
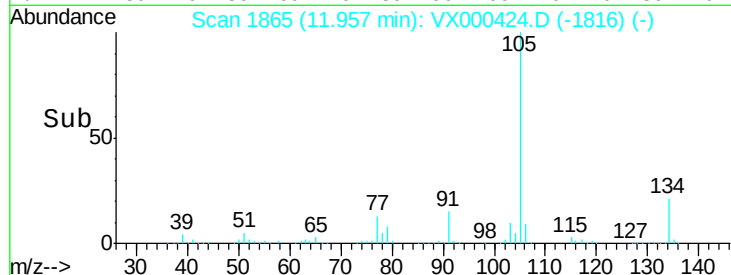
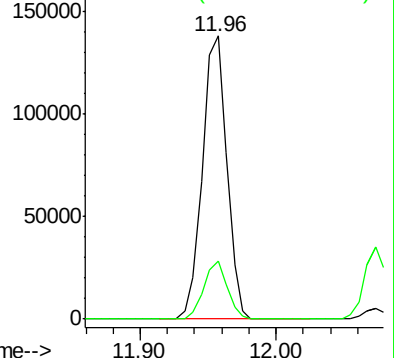
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.31 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

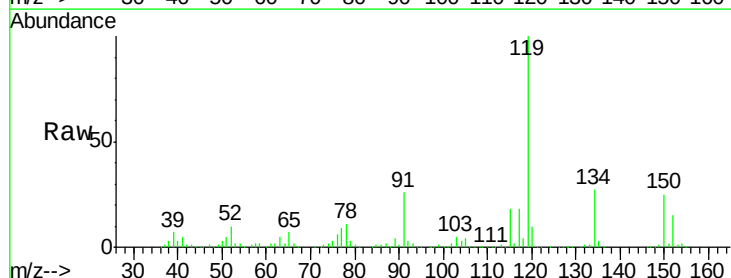
Tgt Ion:119 Resp: 149803

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

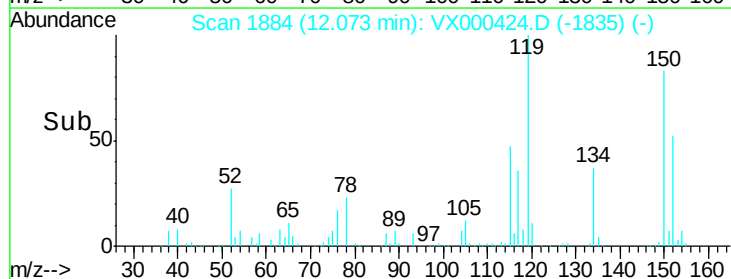
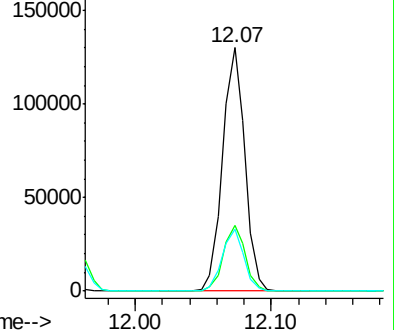
91 24.9 12.0 36.1

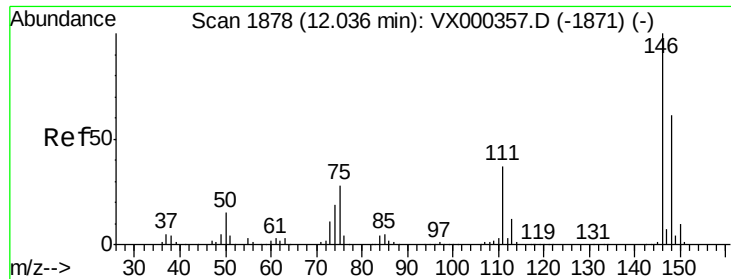


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.80 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBS01

Tot Ion:146 Resp: 79029

Ion Ratio Lower Upper

146 100

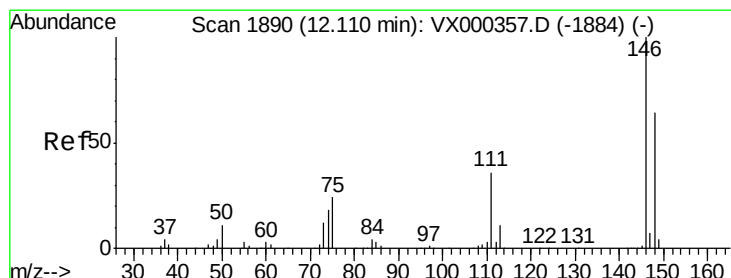
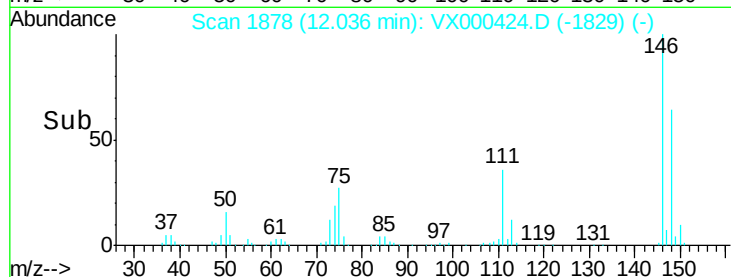
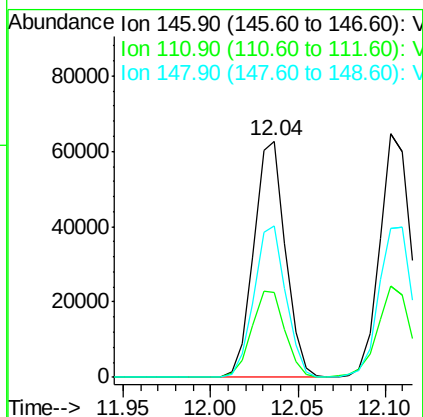
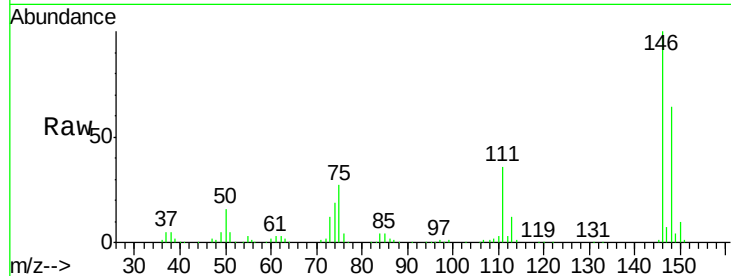
111 38.0 19.5 58.5

148 64.5 32.4 97.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.93 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

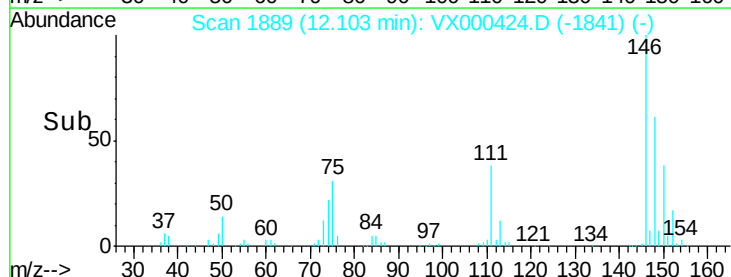
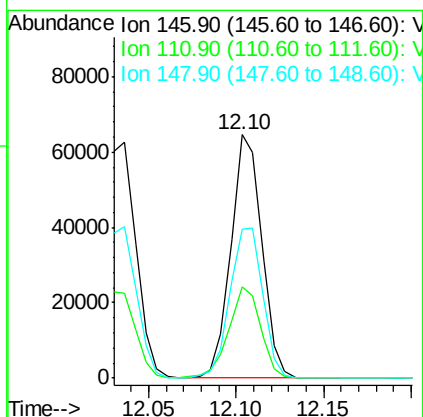
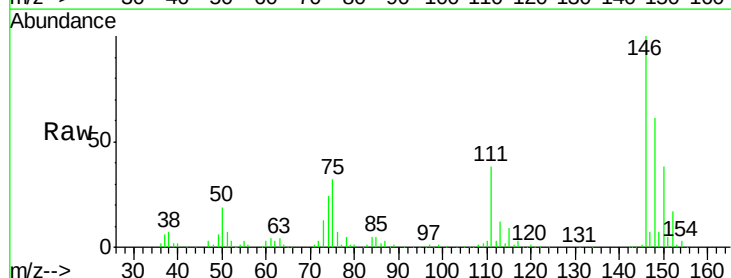
Tgt Ion:146 Resp: 79479

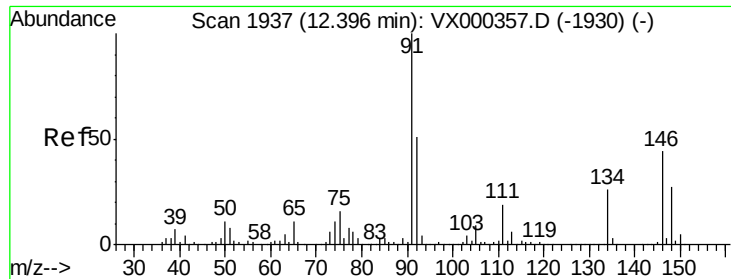
Ion Ratio Lower Upper

146 100

111 39.1 18.9 56.9

148 65.4 31.0 93.0





#89

n-Butylbenzene

Concen: 20.66 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

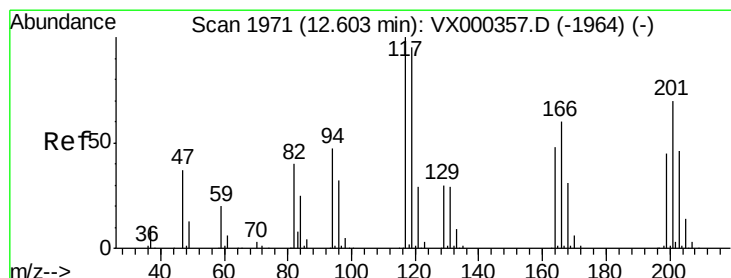
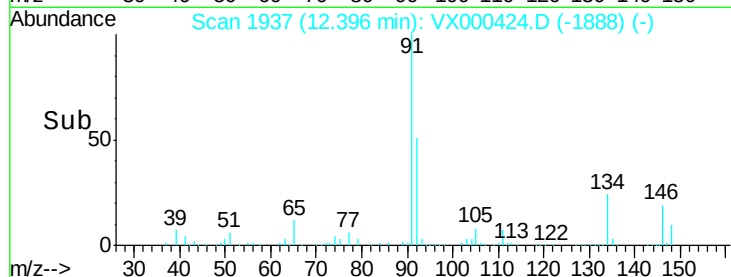
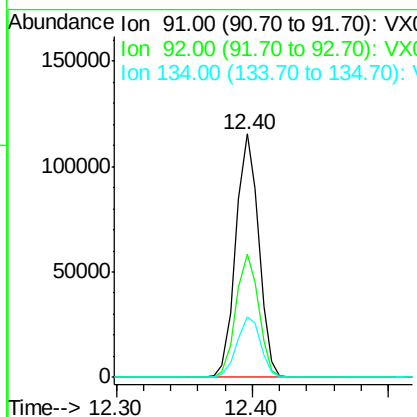
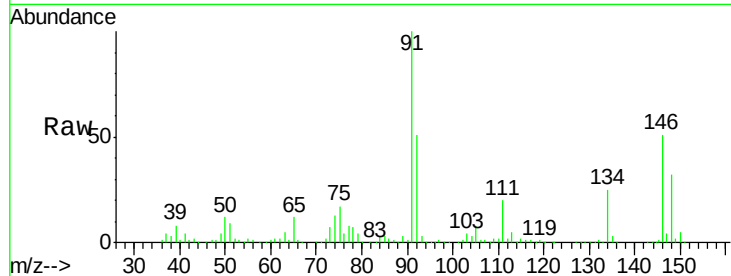
ClientSampleId :

VX0323WBS01

Tot Ion:	91	Resp:	135207
Ion Ratio		Lower	Upper
91	100		
92	50.5	25.9	77.8
134	25.5	13.1	39.3

Manual Integrations
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#90

Hexachloroethane

Concen: 21.63 ug/l

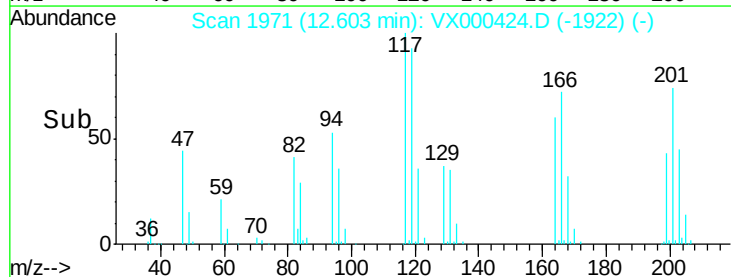
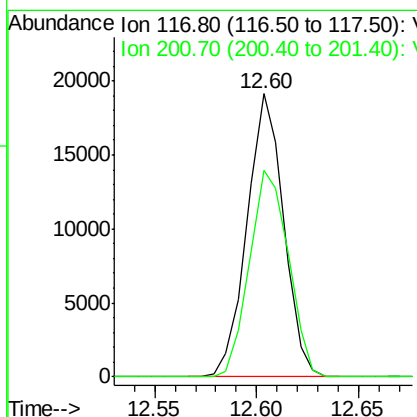
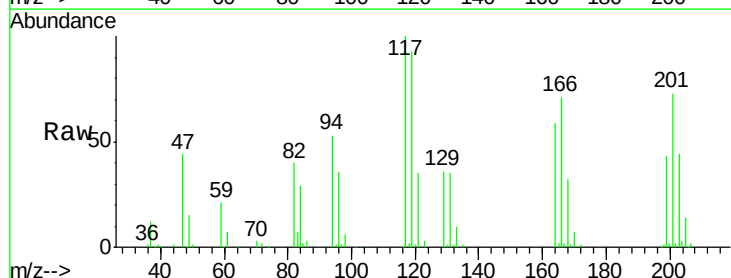
RT: 12.60 min Scan# 1971

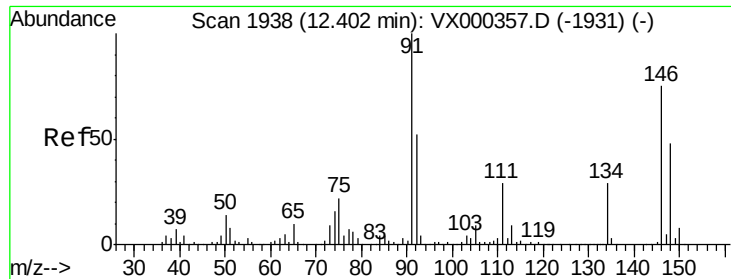
Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Tgt Ion:	117	Resp:	23923
Ion Ratio		Lower	Upper
117	100		
201	77.8	37.9	113.6





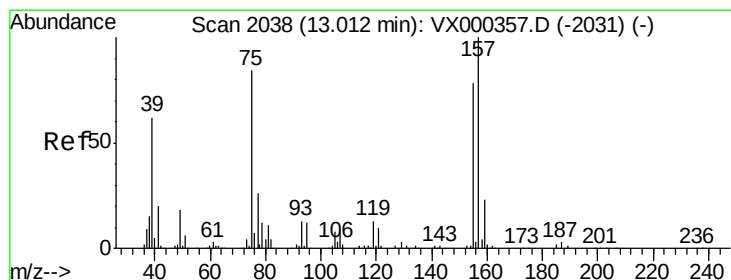
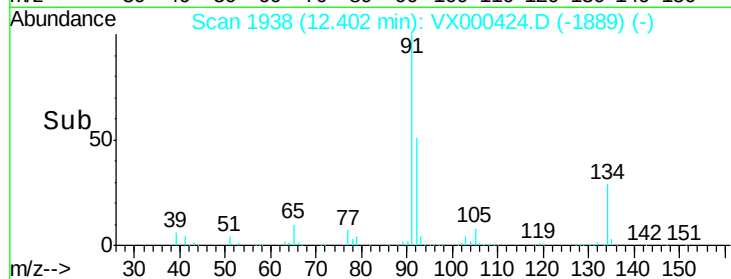
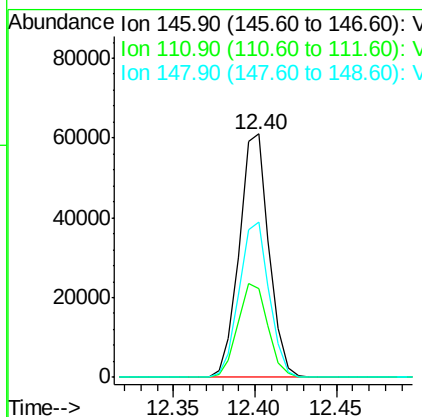
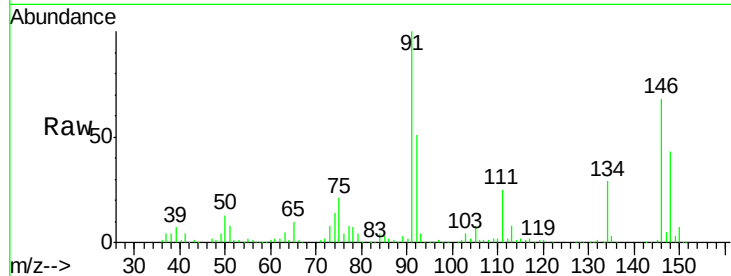
#91
 1,2-Dichlorobenzene
 Concen: 20.78 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.2
148	64.6	31.2	93.6

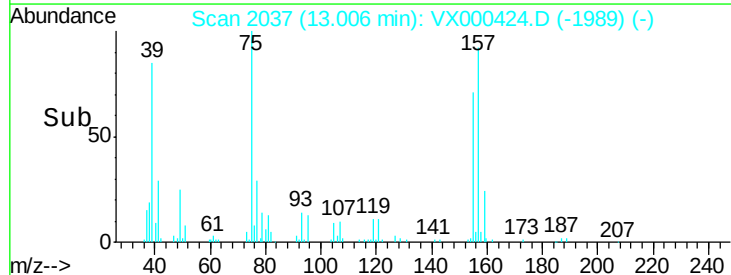
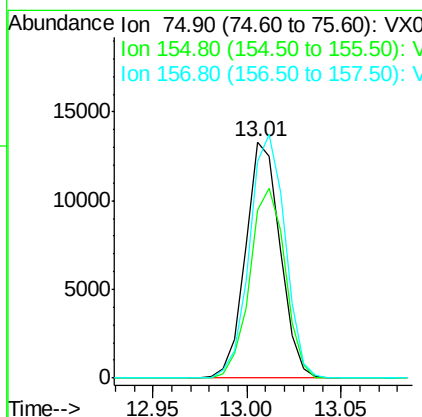
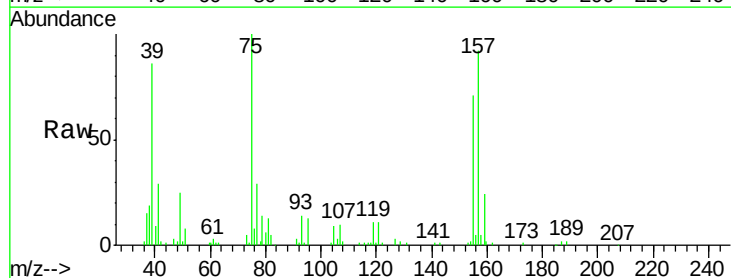
Manual Integrations
 APPROVED

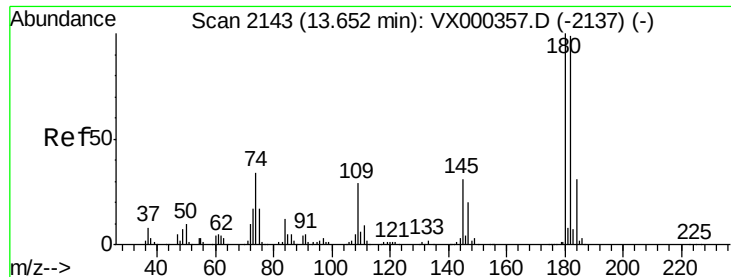
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.72 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.1	45.0	134.8
157	106.3	58.1	174.2





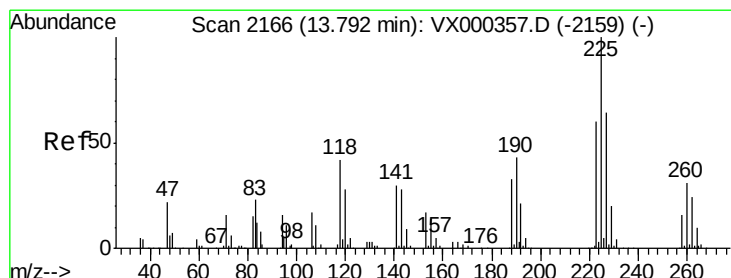
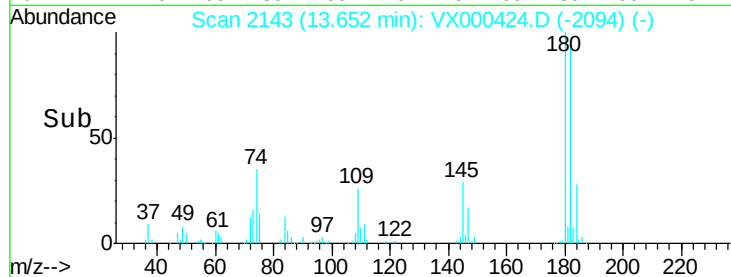
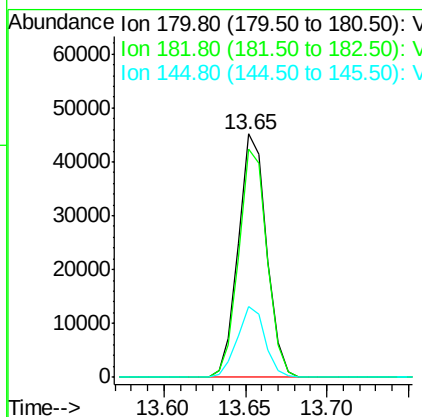
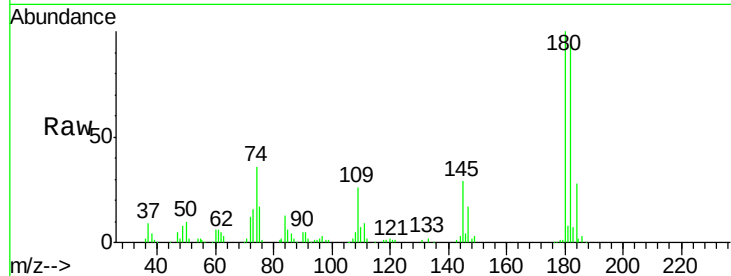
#93
 1,2,4-Trichlorobenzene
 Concen: 20.44 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.6	142.9
145	28.8	15.1	45.3

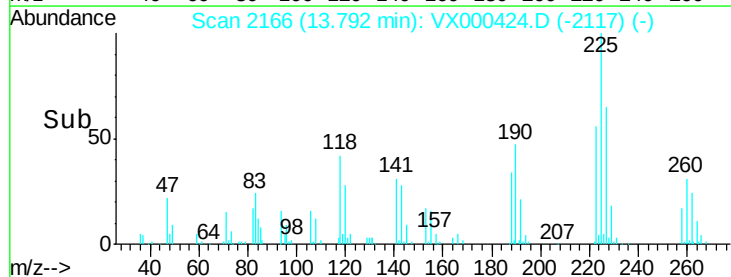
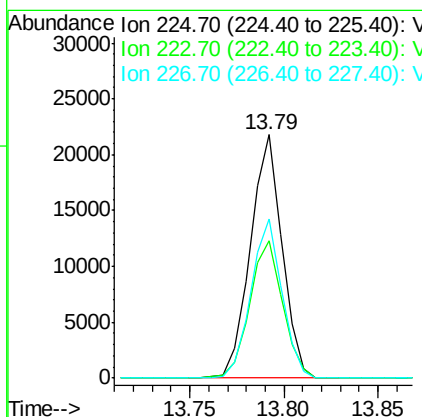
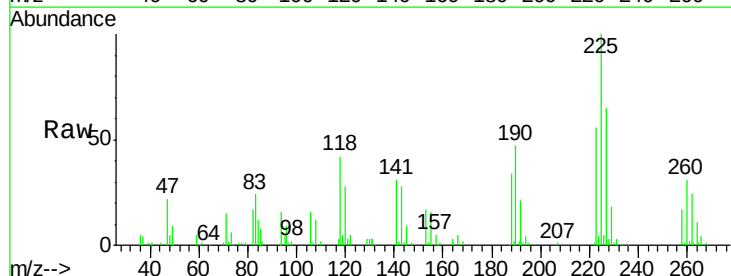
Manual Integrations
 APPROVED

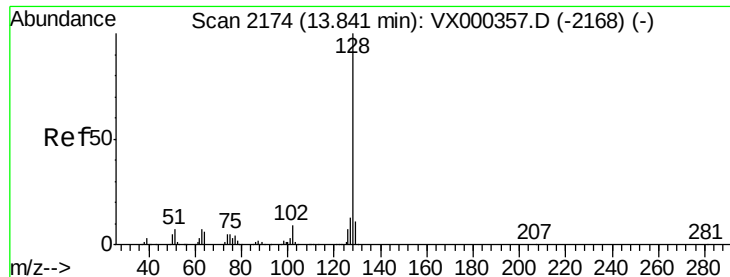
sam
 3/26/2018 2:36:19 PM



#94
 Hexachlorobutadiene
 Concen: 22.98 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000424.D
 Acq: 23 Mar 2018 12:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.5	32.0	96.0
227	63.9	32.6	98.0





#95

Naphthalene

Concen: 21.27 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Instrument :

MSVOA_X

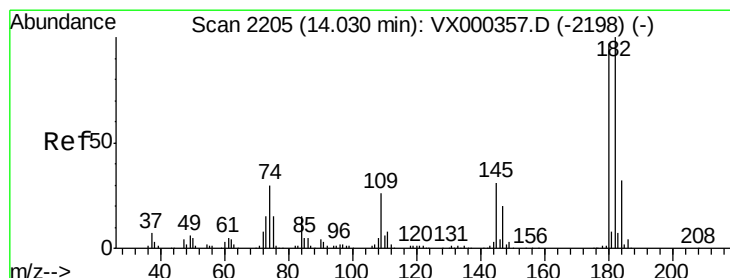
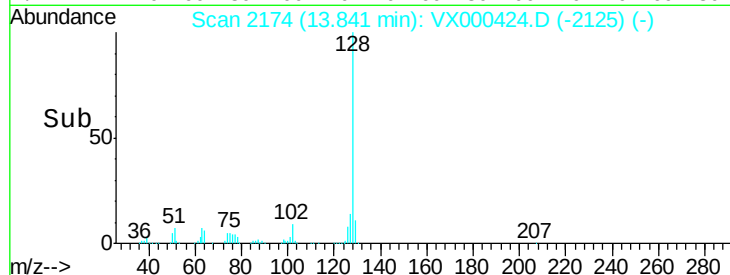
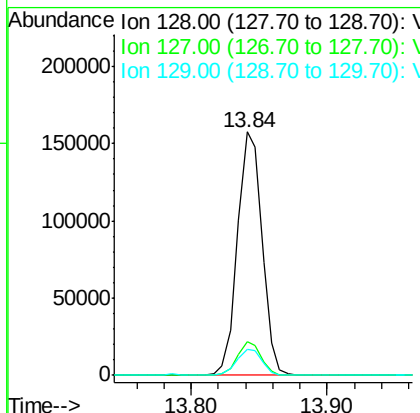
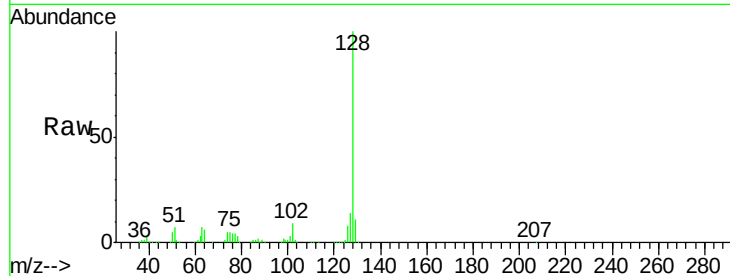
ClientSampled :

VX0323WBS01

Tot Ion:	128	Resp:	197843
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

3/26/2018 2:36:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.56 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000424.D

Acq: 23 Mar 2018 12:36

Tgt Ion:	180	Resp:	56879
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.4	142.3
145	27.8	15.8	47.3

