

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000533.D
 Acq On : 30 Mar 2018 00:55
 Operator : JC/MD
 Sample : VX0329WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Manual Integrations
 APPROVED

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 3/30/2018 4:10:40 PM

Quant Time: Mar 30 08:06:17 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	5.68	168	115312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	194427	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	199929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	116136	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	80341	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
35) Dibromofluoromethane	5.51	113	63031	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	8.73	98	244440	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
62) 4-Bromofluorobenzene	11.15	95	95098	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	22727	17.88	ug/l	97
3) Chloromethane	1.32	50	23188	17.32	ug/l	97
4) Vinyl Chloride	1.40	62	29919	21.15	ug/l	98
5) Bromomethane	1.64	94	33365	19.73	ug/l	95
6) Chloroethane	1.73	64	22493	28.09	ug/l	95
7) Trichlorofluoromethane	1.93	101	56895	22.28	ug/l	97
8) Diethyl Ether	2.20	74	20130	22.06	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30469	21.40	ug/l	97
10) Methyl Iodide	2.51	142	19831	17.13	ug/l	97
11) Tert butyl alcohol	3.08	59	68176	131.67	ug/l	99
12) 1,1-Dichloroethene	2.38	96	28029	22.43	ug/l	97
13) Acrolein	2.29	56	17046	111.68	ug/l	99
14) Allyl chloride	2.73	41	52144	23.57	ug/l	98
15) Acrylonitrile	3.15	53	124157	118.40	ug/l	99
16) Acetone	2.45	43	121269	96.85	ug/l	97
17) Carbon Disulfide	2.57	76	65994	19.86	ug/l	100
18) Methyl Acetate	2.78	43	65863	25.09	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	106692	23.08	ug/l	96
20) Methylene Chloride	2.86	84	31123	21.52	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	29617	21.24	ug/l	96
22) Diisopropyl ether	3.89	45	71211	18.23	ug/l	91
23) Vinyl Acetate	3.84	43	322504	87.07	ug/l	99
24) 1,1-Dichloroethane	3.70	63	42937	17.48	ug/l	97
25) 2-Butanone	4.72	43	143194	101.74	ug/l	98
26) 2,2-Dichloropropane	4.59	77	27486	15.96	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	27247	20.91	ug/l	92
28) Bromochloromethane	5.03	49	19790	19.54	ug/l	100
29) Tetrahydrofuran	5.18	42	93493	107.97	ug/l	99
30) Chloroform	5.23	83	49098	21.33	ug/l	94
31) Cyclohexane	5.59	56	36950	19.46	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	41638	20.05	ug/l	98
36) 1,1-Dichloropropene	5.81	75	35467	19.47	ug/l	100
37) Ethyl Acetate	4.88	43	49781	20.01	ug/l	99
38) Carbon Tetrachloride	5.79	117	36038	18.86	ug/l	96

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Manual Integrations
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 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)
39) Methylcyclohexane	7.47	83	40706	18.38	ug/l	93
40) Benzene	6.15	78	105848	20.01	ug/l	98
41) Methacrylonitrile	5.07	41	25262	19.26	ug/l	96
42) 1,2-Dichloroethane	6.21	62	41740	20.11	ug/l	100
43) Isopropyl Acetate	6.48	43	73498	19.85	ug/l	98
44) Trichloroethene	7.22	130	30170	19.91	ug/l	94
45) 1,2-Dichloropropane	7.52	63	28695	21.20	ug/l	98
46) Dibromomethane	7.67	93	21530	20.26	ug/l	97
47) Bromodichloromethane	7.91	83	38258	20.46	ug/l	98
48) Methyl methacrylate	7.79	41	36648	20.38	ug/l	98
49) 1,4-Dioxane	7.76	88	16667	441.05	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	300672	104.90	ug/l	98
52) Toluene	8.79	92	73870	19.98	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	41226	19.03	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	41067	19.54	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	31049	20.42	ug/l	94
56) Ethyl methacrylate	9.19	69	45827	19.89	ug/l	99
57) 1,3-Dichloropropane	9.38	76	50427	20.74	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	97967	88.59	ug/l	97
59) 2-Hexanone	9.51	43	250152	102.78	ug/l	98
60) Dibromochloromethane	9.59	129	31675	20.27	ug/l	99
61) 1,2-Dibromoethane	9.68	107	33671	20.65	ug/l	100
64) Tetrachloroethene	9.34	164	31789	20.49	ug/l	94
65) Chlorobenzene	10.15	112	86137	19.36	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	29283	19.38	ug/l	99
67) Ethyl Benzene	10.26	91	144818	19.20	ug/l	100
68) m/p-Xylenes	10.37	106	114534	38.59	ug/l	96
69) o-Xylene	10.71	106	54445	18.95	ug/l	99
70) Styrene	10.72	104	94915	19.96	ug/l	97
71) Bromoform	10.87	173	23532	18.29	ug/l #	98
73) Isopropylbenzene	11.02	105	151739	19.72	ug/l	99
74) N-amyl acetate	6.48	43	73498	19.93	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	54808	20.14	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	50209m	20.12	ug/l	
77) Bromobenzene	11.26	156	38616	18.84	ug/l	100
78) n-propylbenzene	11.37	91	181364	19.77	ug/l	99
79) 2-Chlorotoluene	11.43	91	102764	19.39	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	130405	20.16	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	13030	16.90	ug/l	90
82) 4-Chlorotoluene	11.52	91	123603	19.53	ug/l	98
83) tert-Butylbenzene	11.78	119	125125	19.18	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	133751	19.72	ug/l	100
85) sec-Butylbenzene	11.96	105	158620	19.65	ug/l	99
86) p-Isopropyltoluene	12.07	119	143198	19.97	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	75910	19.59	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	79546	19.55	ug/l	100
89) n-Butylbenzene	12.40	91	132684	19.87	ug/l	100
90) Hexachloroethane	12.60	117	22248	19.71	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	75773	19.94	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14775	19.47	ug/l	98

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ClientSampleId :
VX0329WBS02

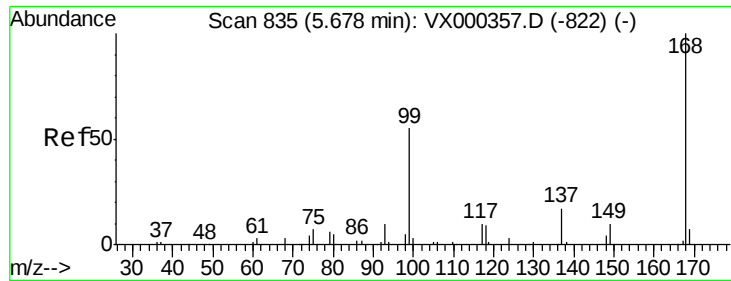
Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	52929	19.43	ug/l	98
94) Hexachlorobutadiene	13.79	225	22210	19.69	ug/l	96
95) Naphthalene	13.84	128	194709	20.52	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	56080	20.83	ug/l	99

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



#1

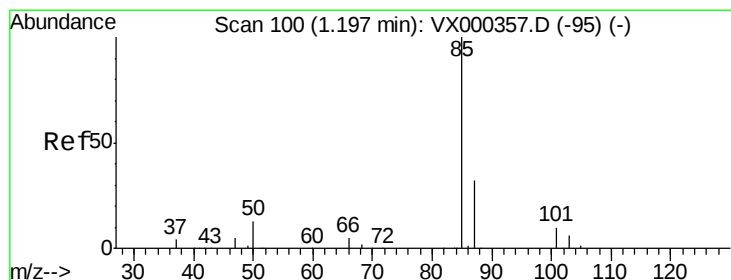
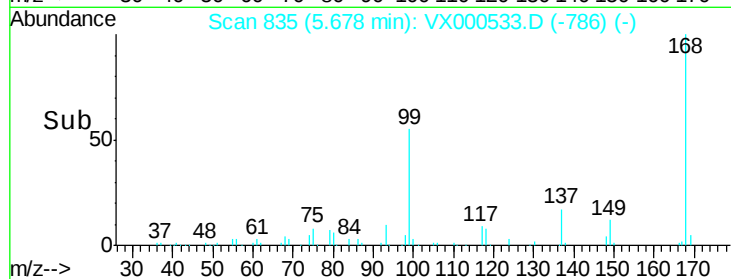
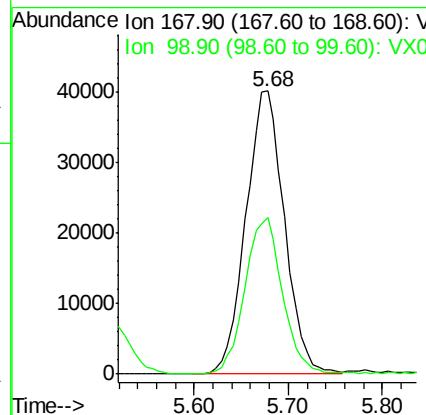
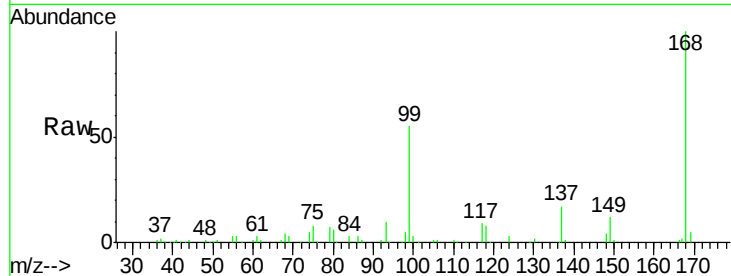
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.3	45.8	68.6

Manual Integrations
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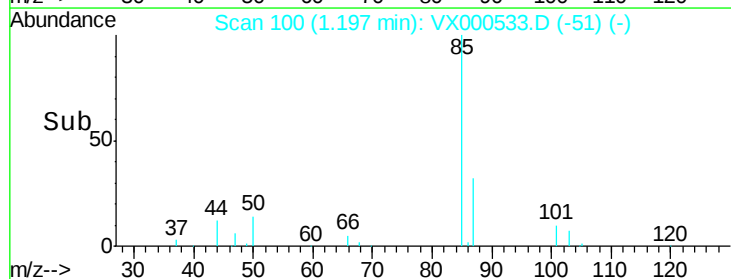
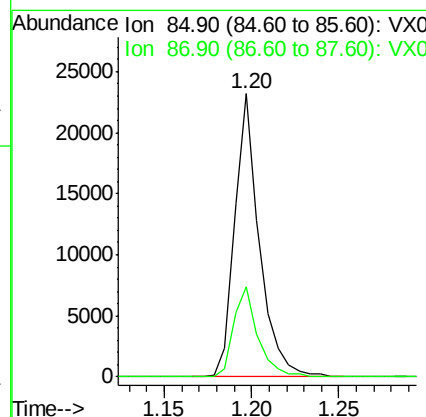
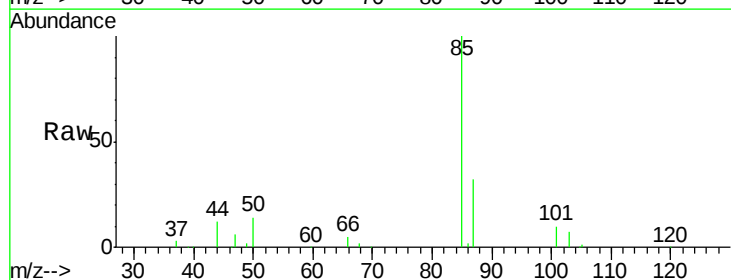
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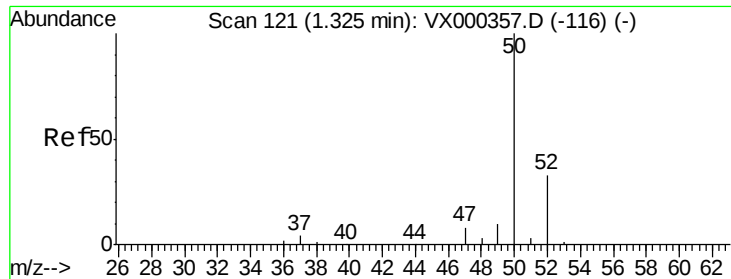


#2

Dichlorodifluoromethane
 Concen: 17.88 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. -0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.8	50.3





#3

Chloromethane

Concen: 17.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 50 Resp: 23188

Ion Ratio Lower Upper

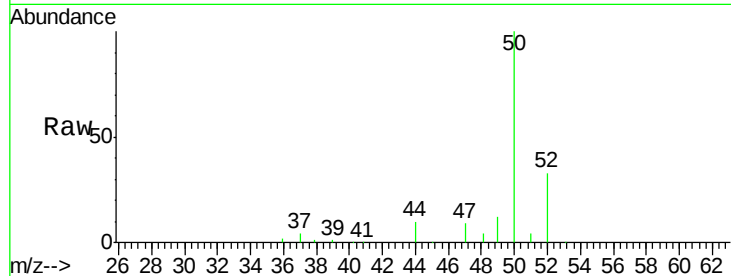
50 100

52 32.7 27.5 41.3

Manual Integrations
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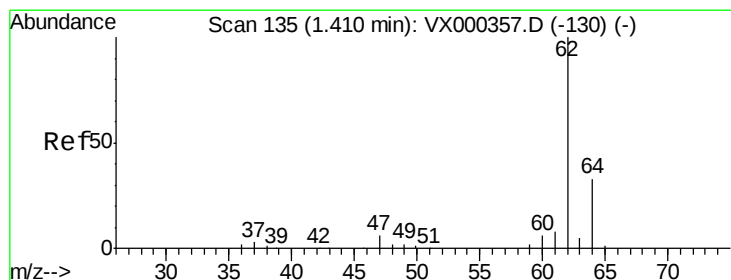
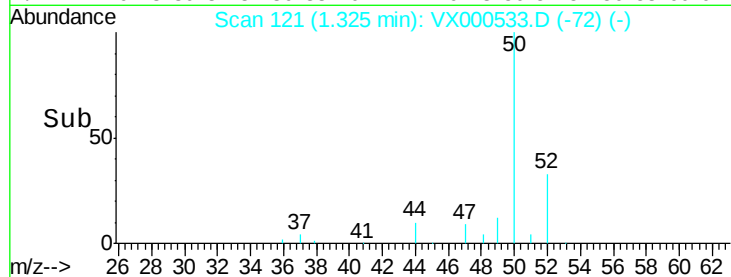
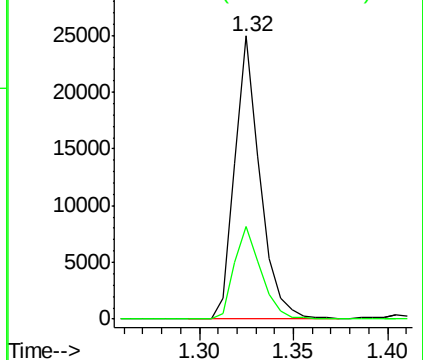
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.15 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000533.D

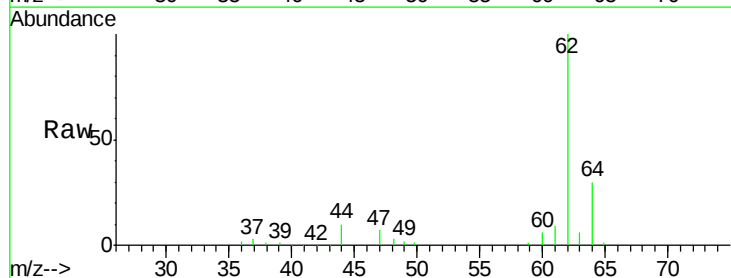
Acq: 30 Mar 2018 00:55

Tgt Ion: 62 Resp: 29919

Ion Ratio Lower Upper

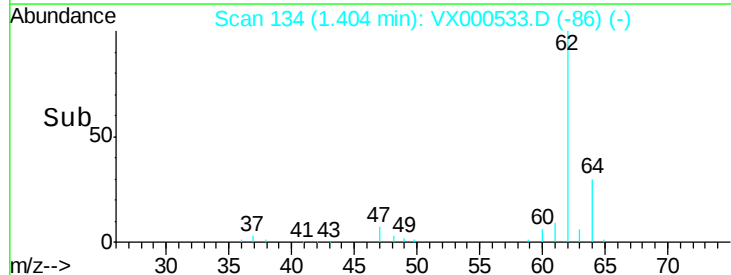
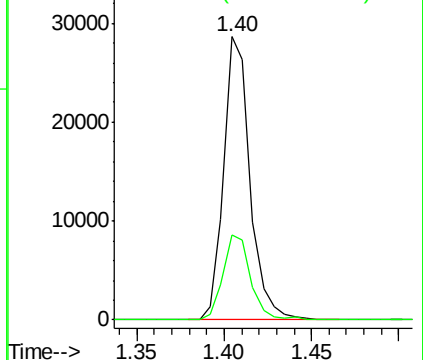
62 100

64 29.9 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: 19.73 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 94 Resp: 33365

Ion Ratio Lower Upper

94 100

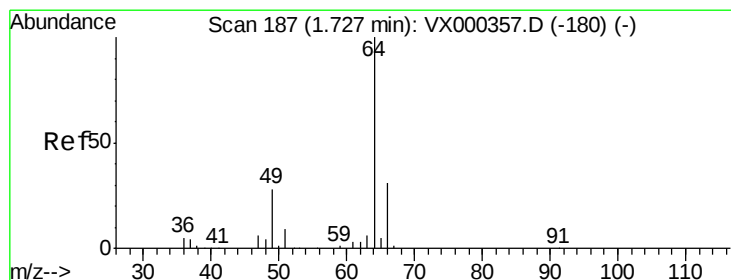
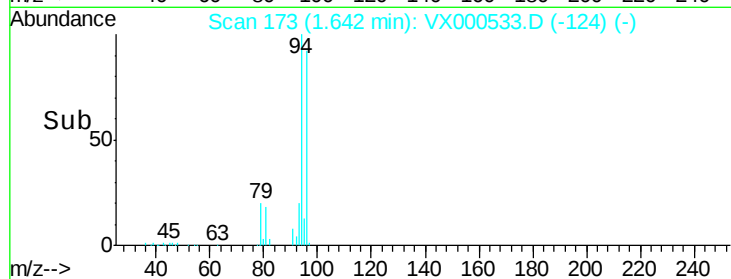
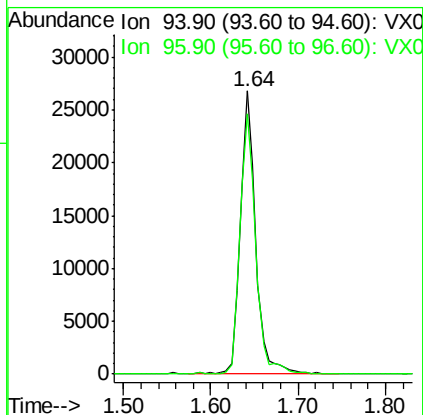
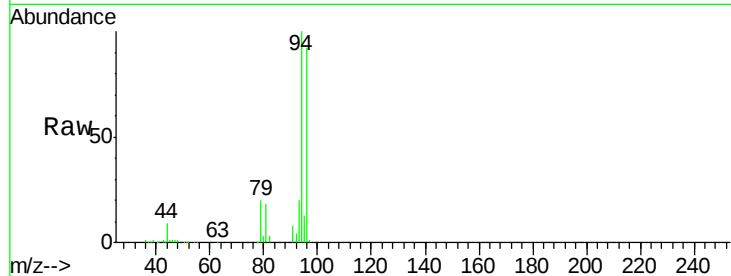
96 91.8 77.7 116.5

Manual Integrations

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#6

Chloroethane

Concen: 28.09 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000533.D

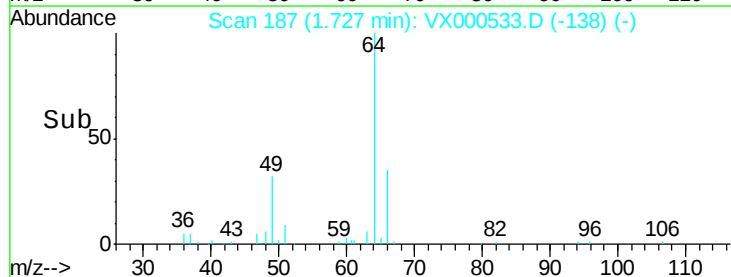
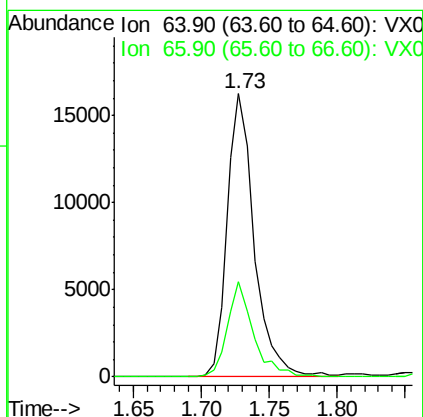
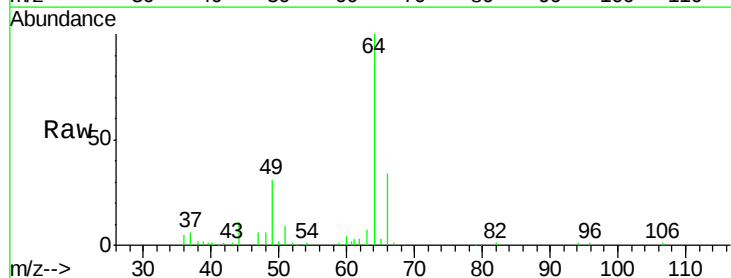
Acq: 30 Mar 2018 00:55

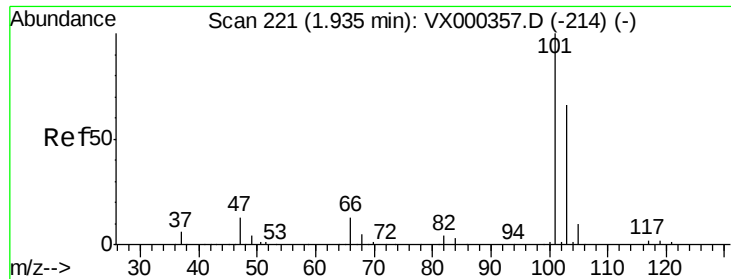
Tgt Ion: 64 Resp: 22493

Ion Ratio Lower Upper

64 100

66 33.8 24.8 37.2





#7

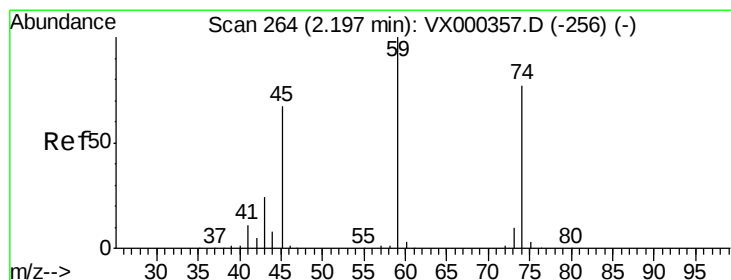
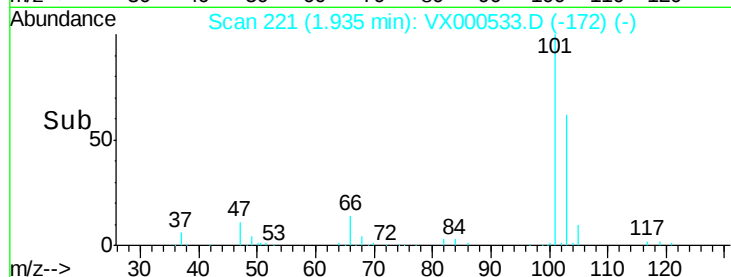
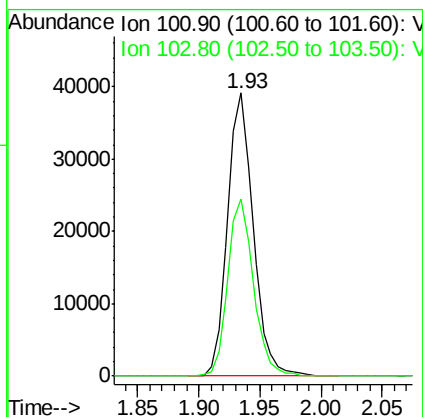
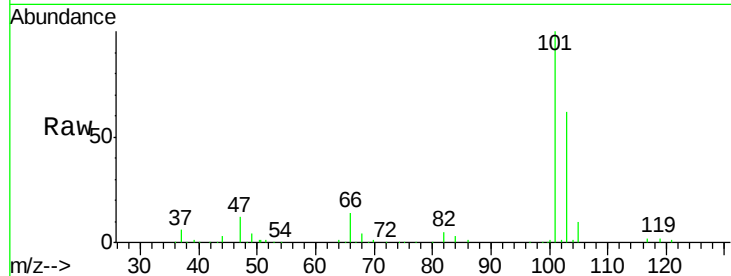
Trichlorofluoromethane
Concen: 22.28 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion:101 Resp: 56895
Ion Ratio Lower Upper
101 100
103 62.5 51.6 77.4

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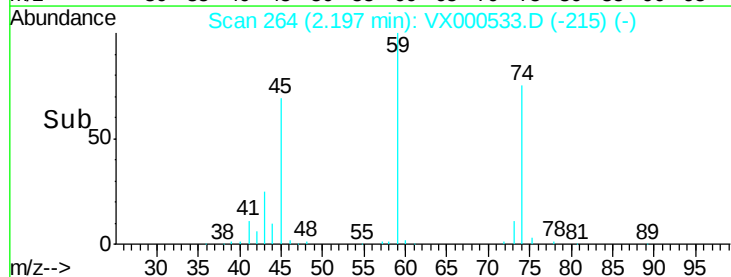
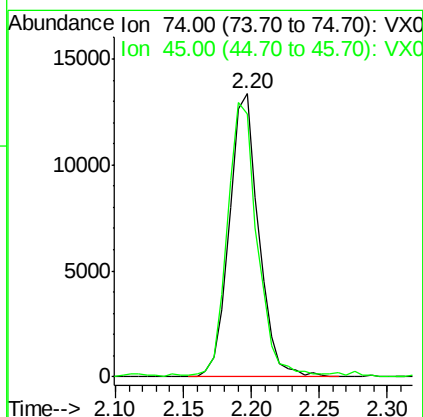
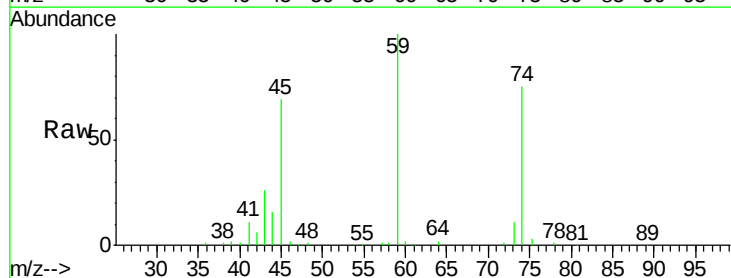
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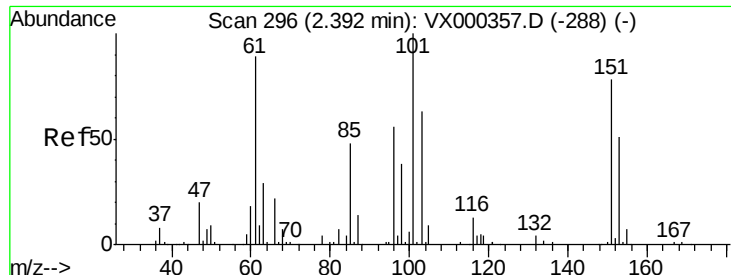


#8

Diethyl Ether
Concen: 22.06 ug/l
RT: 2.20 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion: 74 Resp: 20130
Ion Ratio Lower Upper
74 100
45 99.5 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.40 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

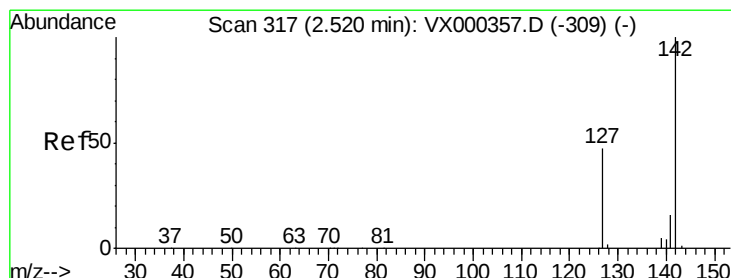
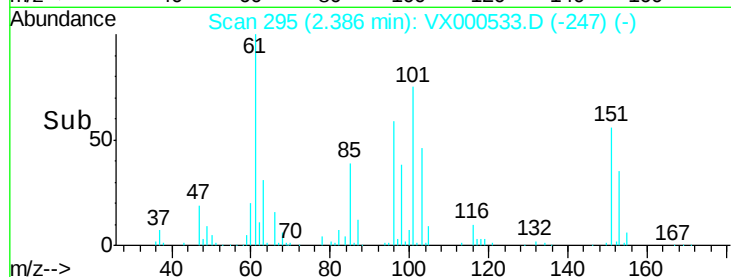
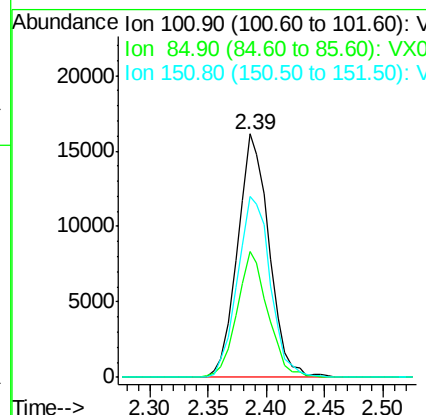
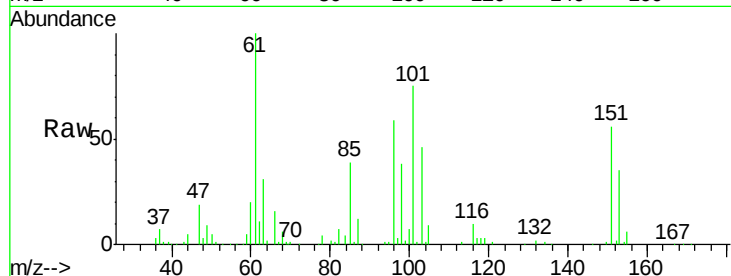
ClientSampleId :

VX0329WBS02

Tot Ion:	101	Resp:	30469
Ion Ratio	Lower	Upper	
101	100		
85	50.5	37.6	56.4
151	77.4	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 17.13 ug/l

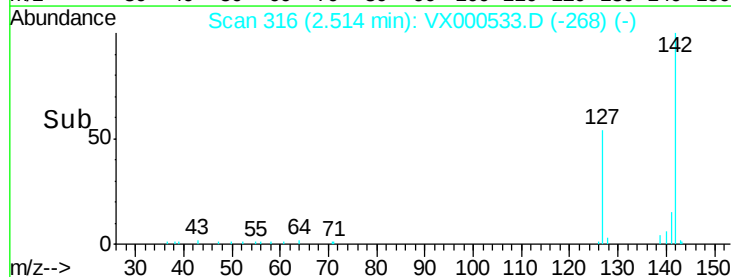
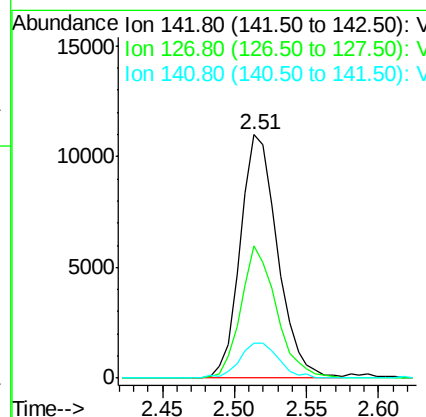
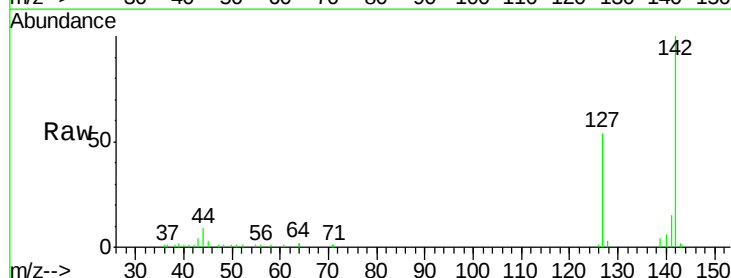
RT: 2.51 min Scan# 316

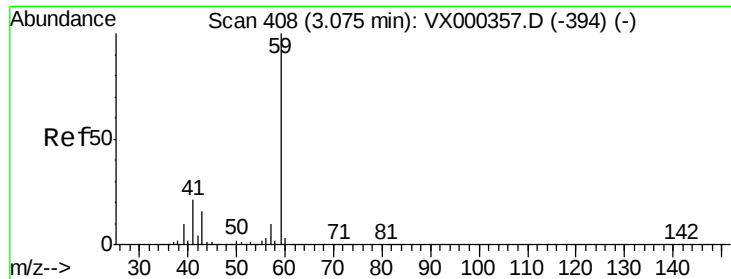
Delta R.T. -0.01 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Tgt Ion:	142	Resp:	19831
Ion Ratio	Lower	Upper	
142	100		
127	51.7	39.2	58.8
141	15.2	11.7	17.5





#11

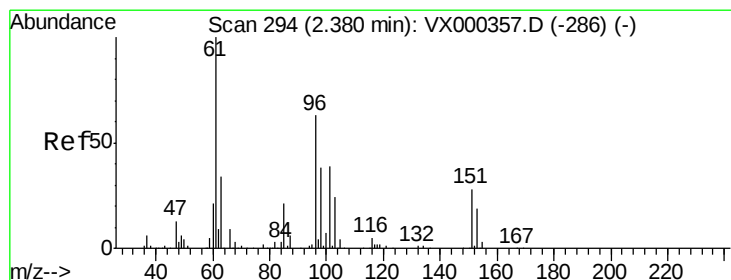
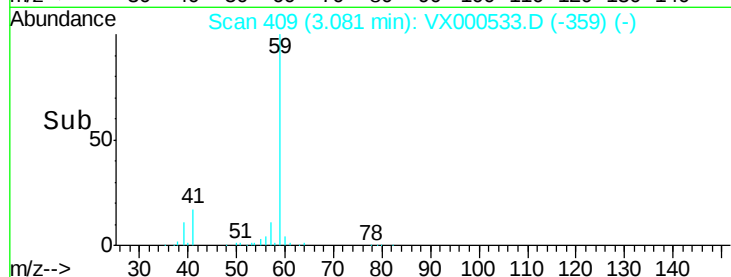
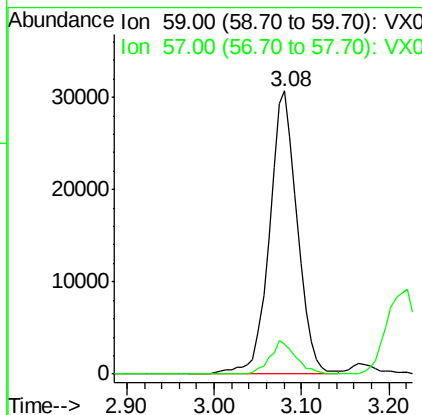
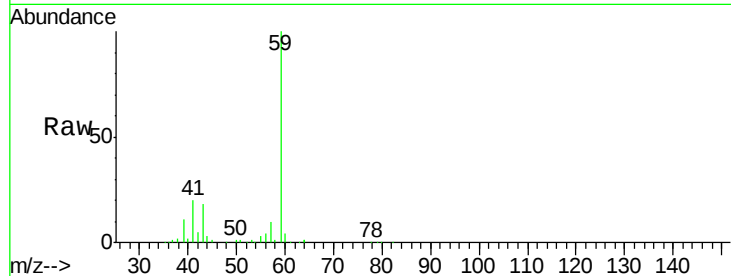
Tert butyl alcohol
Concen: 131.67 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	59	Resp	68176
Ion Ratio	100	Lower	Upper
57	11.0	8.4	12.6

Manual Integrations
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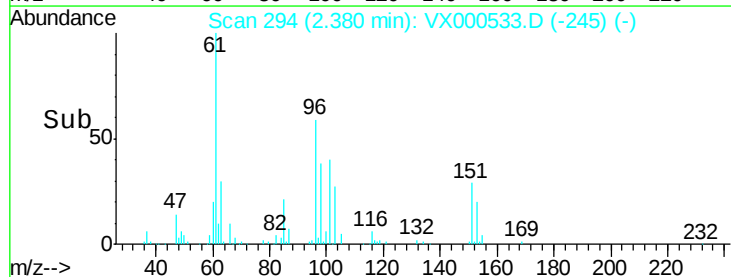
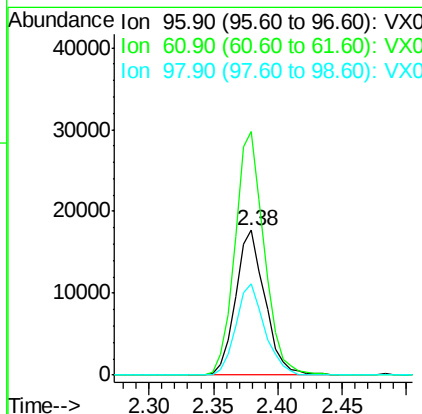
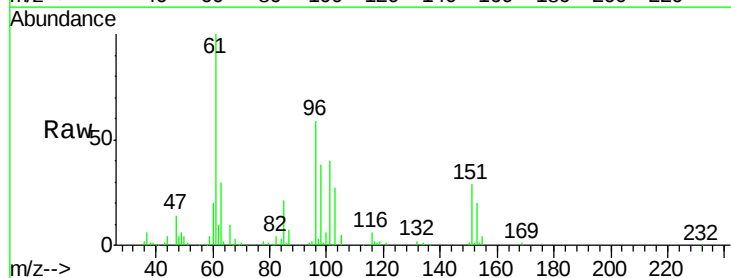
sam
3/30/2018 4:10:40 PM

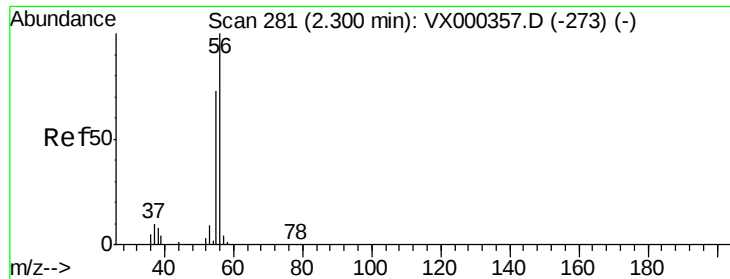


#12

1,1-Dichloroethene
Concen: 22.43 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion	96	Resp	28029
Ion Ratio	100	Lower	Upper
61	168.4	131.2	196.8
98	63.3	49.8	74.8





#13

Acrolein

Concen: 111.68 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 56 Resp: 17046

Ion Ratio Lower Upper

56 100

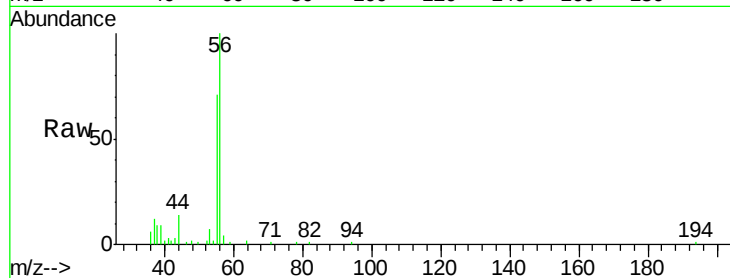
55 74.3 58.8 88.2

Manual Integrations

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sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

12000

10000

8000

6000

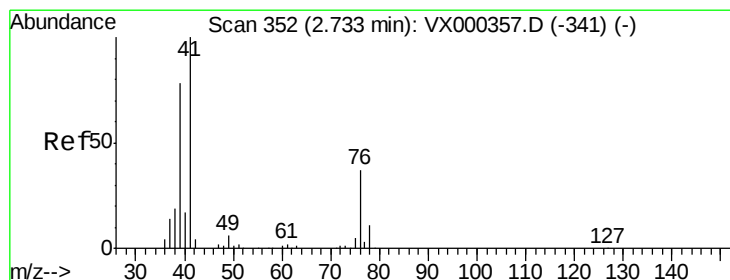
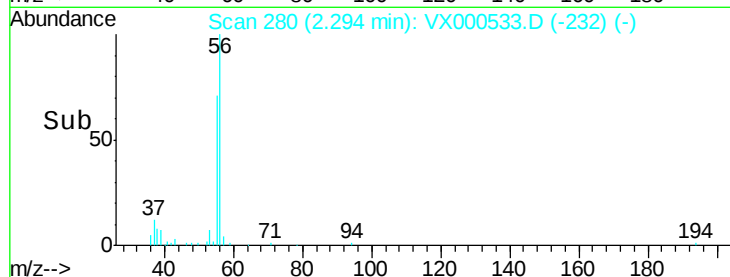
4000

2000

0

Time-->

2.25 2.30 2.35



#14

Allyl chloride

Concen: 23.57 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

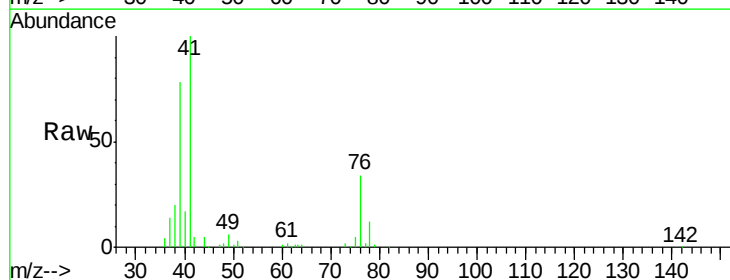
Tgt Ion: 41 Resp: 52144

Ion Ratio Lower Upper

41 100

39 70.4 57.6 86.4

76 32.2 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

2.73

30000

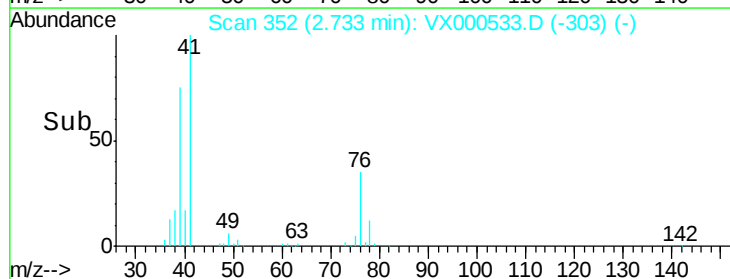
20000

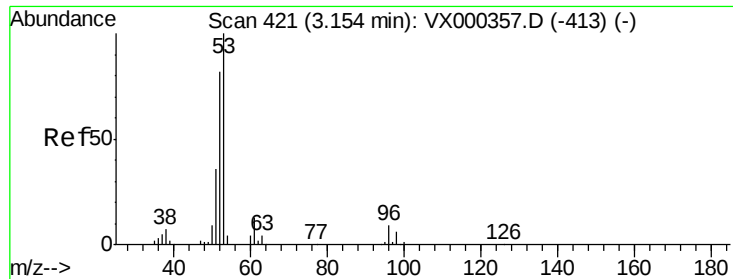
10000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 118.40 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

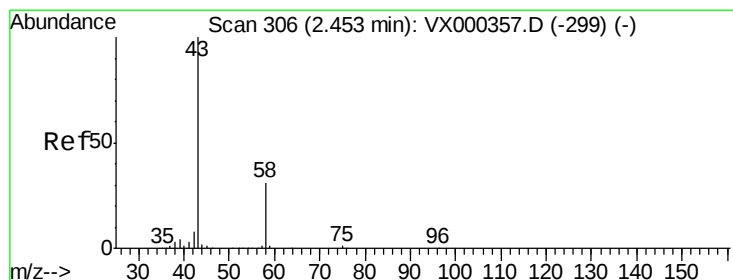
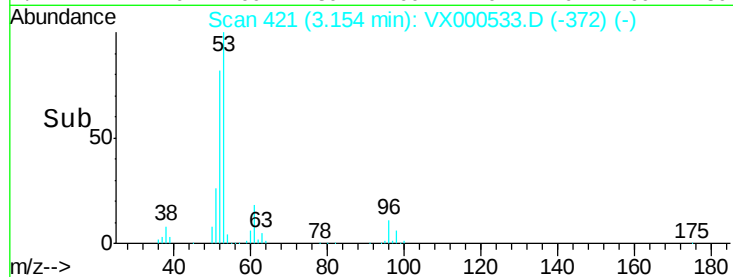
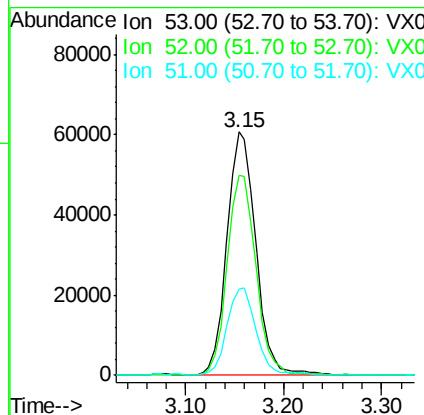
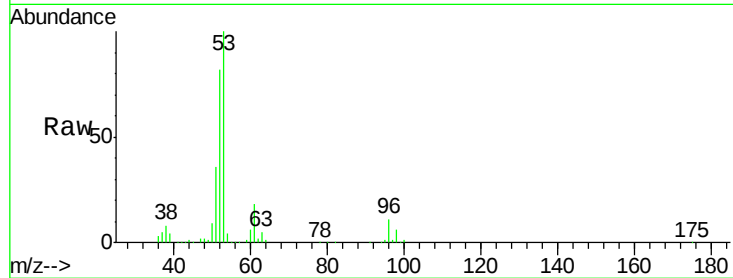
ClientSampleId :

VX0329WBS02

Tot Ion:	53	Resp:	124157
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.6	99.8
51	36.8	29.3	43.9

Manual Integrations
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sam
3/30/2018 4:10:40 PM



#16

Acetone

Concen: 96.85 ug/l

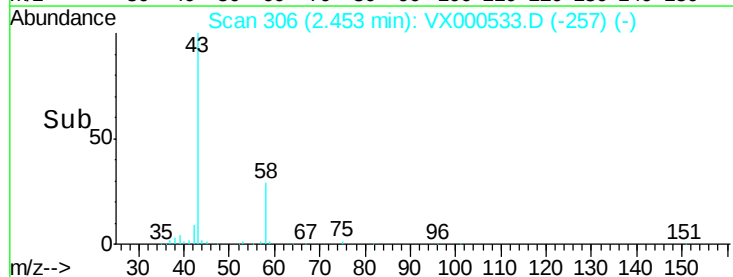
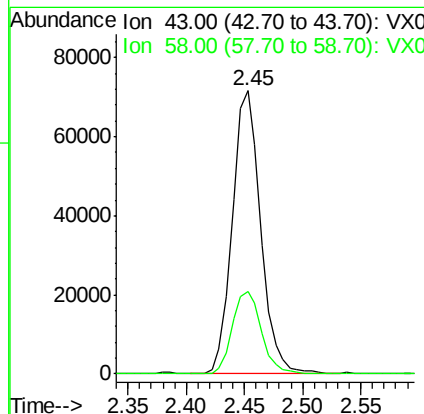
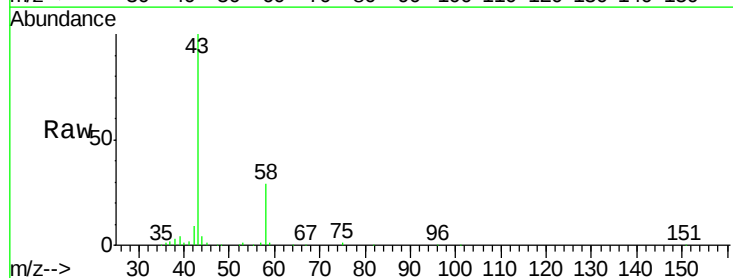
RT: 2.45 min Scan# 306

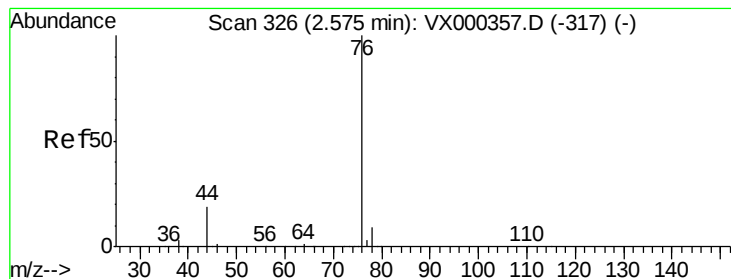
Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Tgt Ion:	43	Resp:	121269
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.7	37.1





#17

Carbon Disulfide

Concen: 19.86 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 76 Resp: 65994

Ion Ratio Lower Upper

76 100

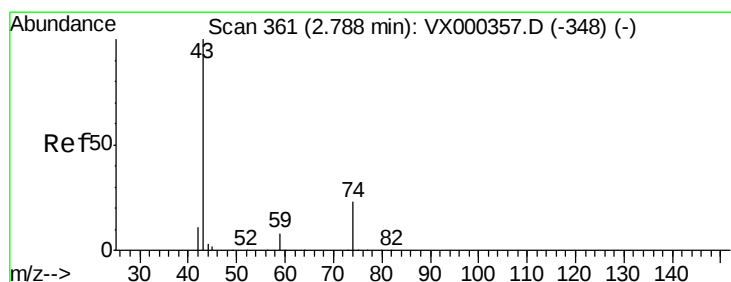
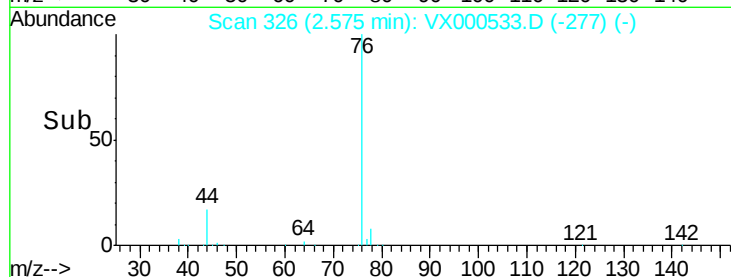
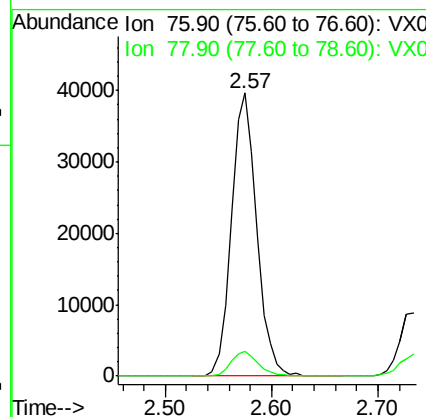
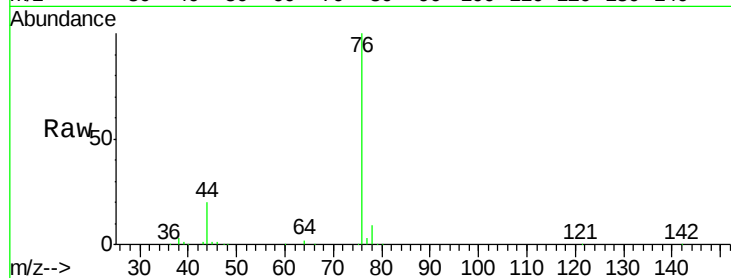
78 8.6 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 25.09 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000533.D

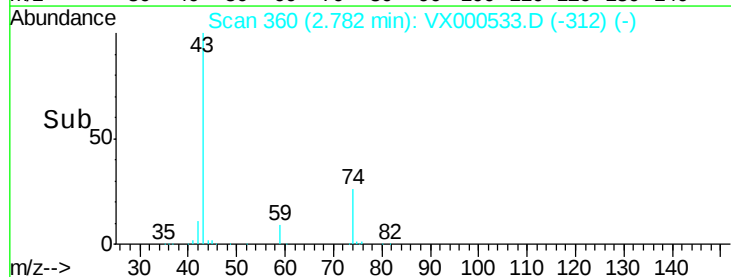
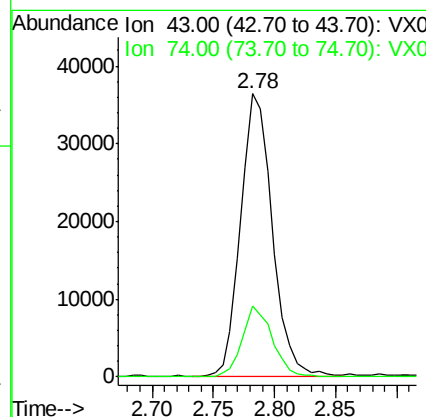
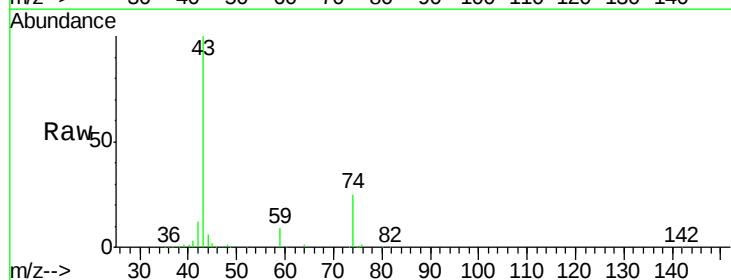
Acq: 30 Mar 2018 00:55

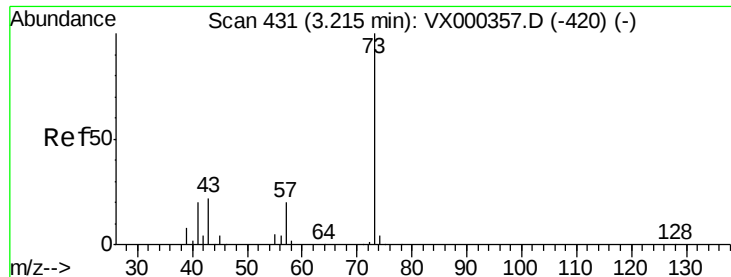
Tgt Ion: 43 Resp: 65863

Ion Ratio Lower Upper

43 100

74 24.0 19.4 29.2





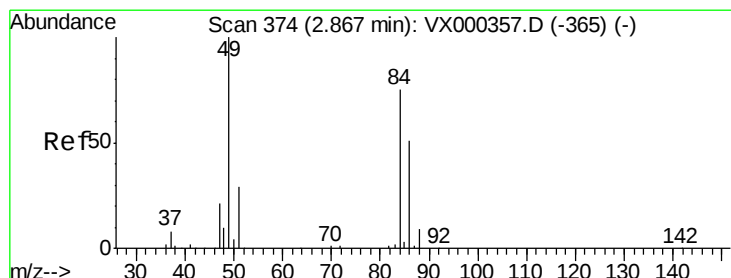
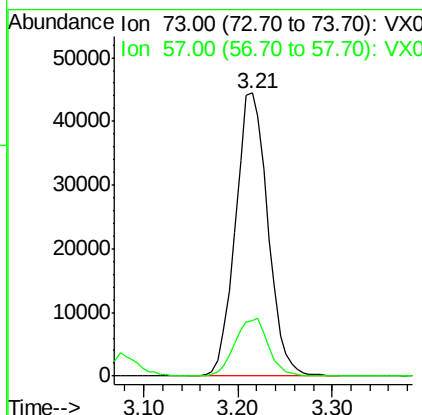
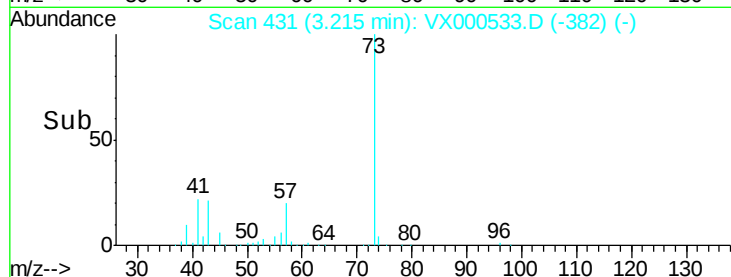
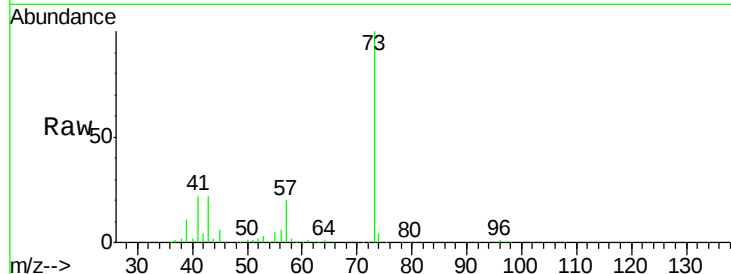
#19
Methvl tert-butvl Ether
Concen: 23.08 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion: 73 Resp: 106692
Ion Ratio Lower Upper
73 100
57 19.7 17.2 25.8

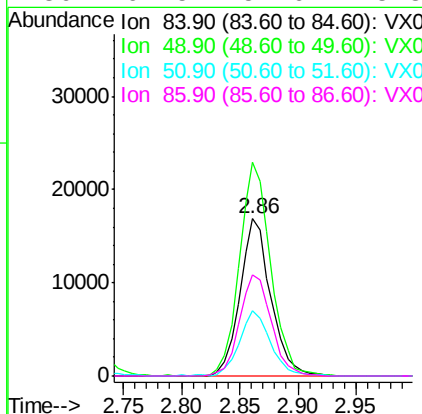
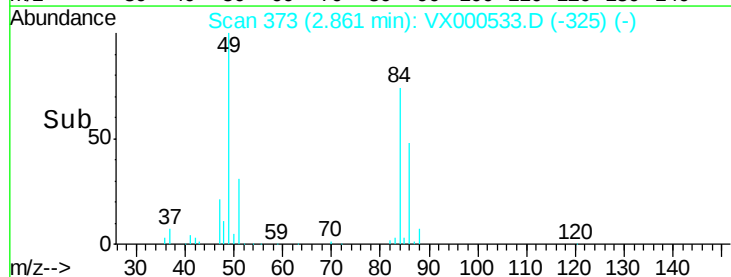
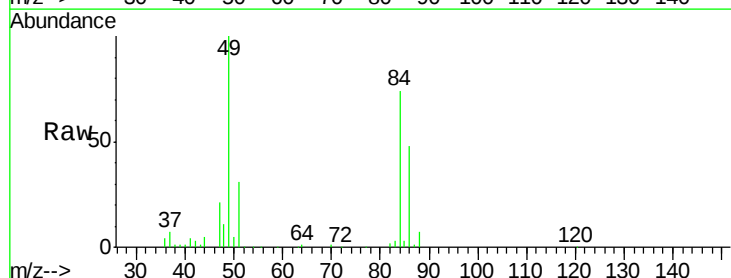
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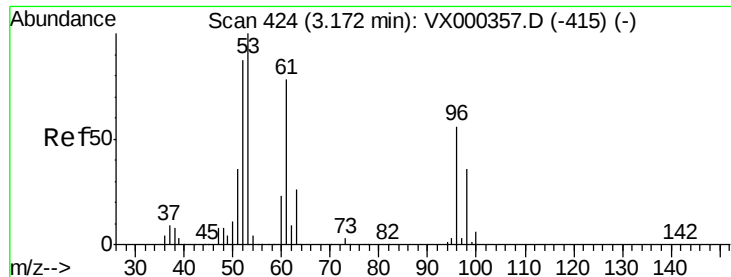
sam
3/30/2018 4:10:40 PM



#20
Methylene Chloride
Concen: 21.52 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion: 84 Resp: 31123
Ion Ratio Lower Upper
84 100
49 135.7 100.6 151.0
51 41.5 31.6 47.4
86 64.5 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 21.24 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

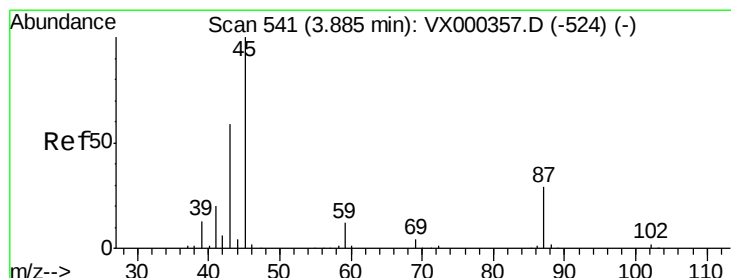
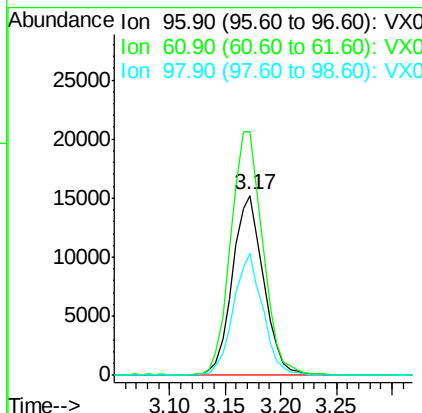
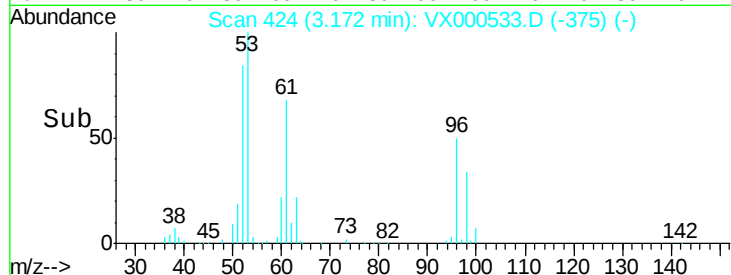
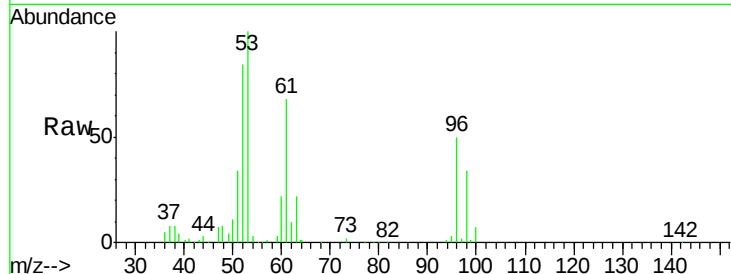
ClientSampleId :

VX0329WBS02

Tot Ion:	96	Resp:	29617
Ion	Ratio	Lower	Upper
96	100		
61	135.3	104.0	156.0
98	67.6	52.1	78.1

Manual Integrations
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sam
3/30/2018 4:10:40 PM



#22

Diisopropyl ether

Concen: 18.23 ug/l

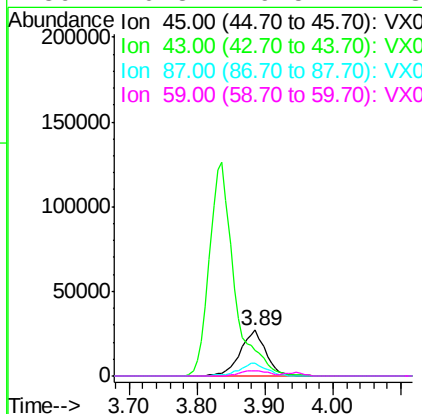
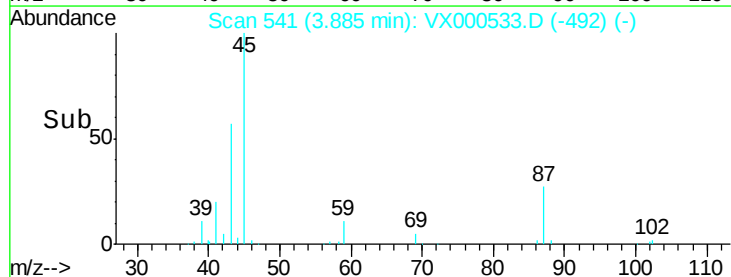
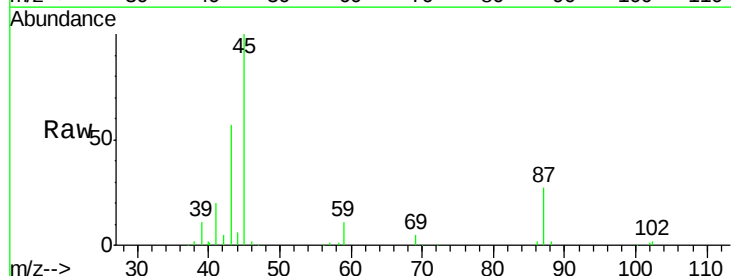
RT: 3.89 min Scan# 541

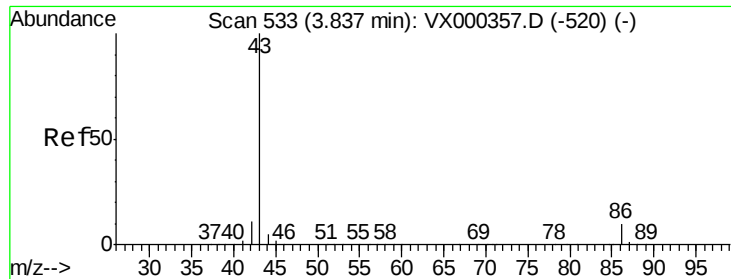
Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Tgt Ion:	45	Resp:	71211
Ion	Ratio	Lower	Upper
45	100		
43	56.2	53.9	80.9
87	27.4	22.6	34.0
59	10.8	9.5	14.3





#23

Vinyl Acetate

Concen: 87.07 ug/l

RT: 3.84 min Scan# 533

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Tot Ion: 43 Resp: 322504

Ion Ratio Lower Upper

43 100

86 10.2 8.6 12.8

Instrument :

MSVOA_X

ClientSampleId :

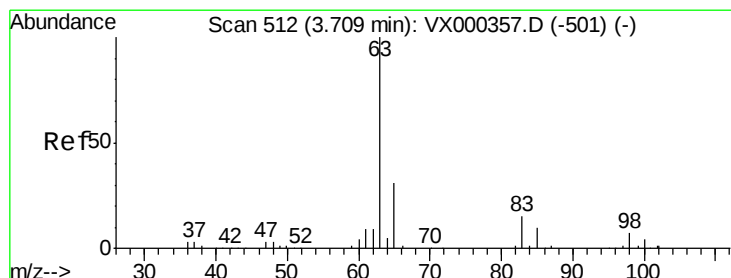
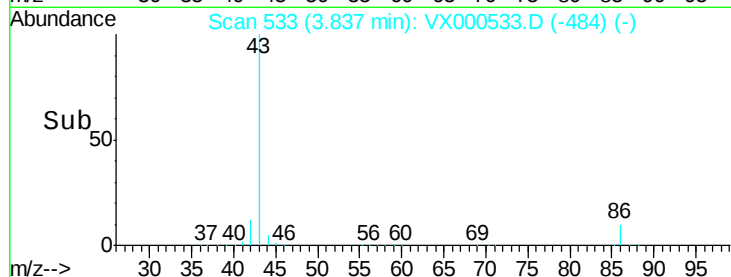
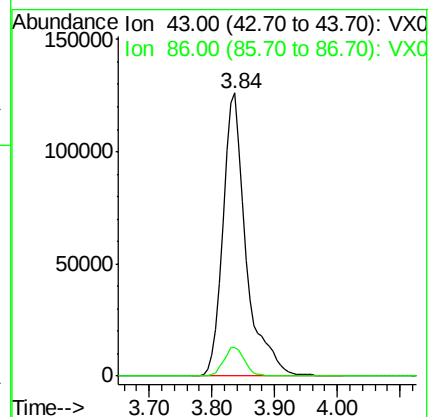
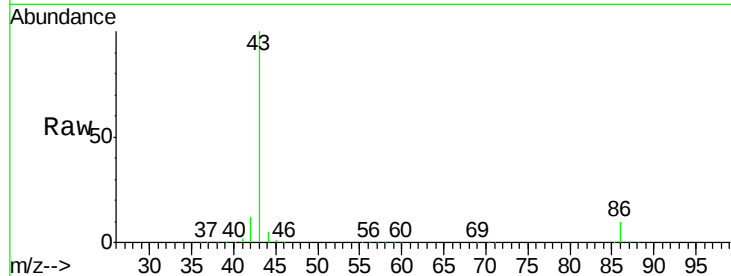
VX0329WBS02

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.48 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

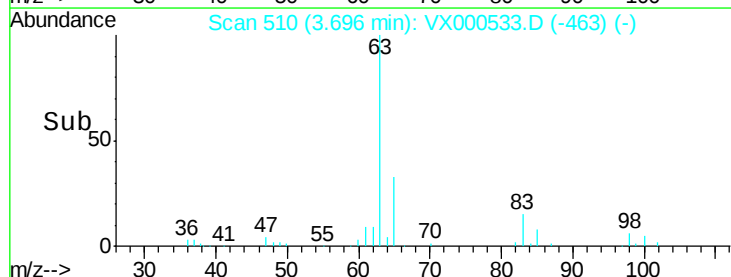
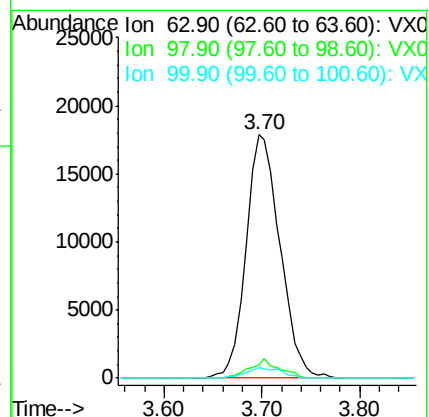
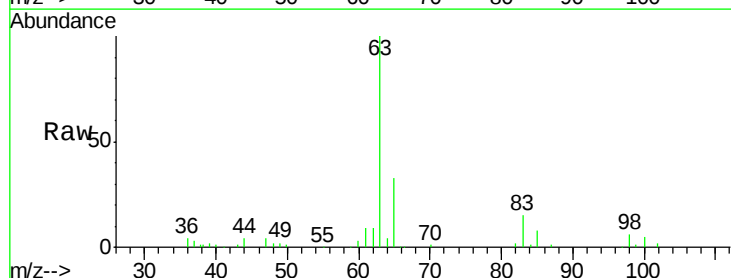
Tgt Ion: 63 Resp: 42937

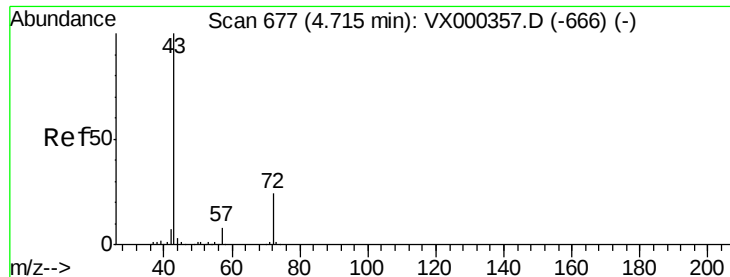
Ion Ratio Lower Upper

63 100

98 5.6 3.3 9.9

100 4.5 2.0 5.8





#25

2-Butanone

Concen: 101.74 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 43 Resp: 143194

Ion Ratio Lower Upper

43 100

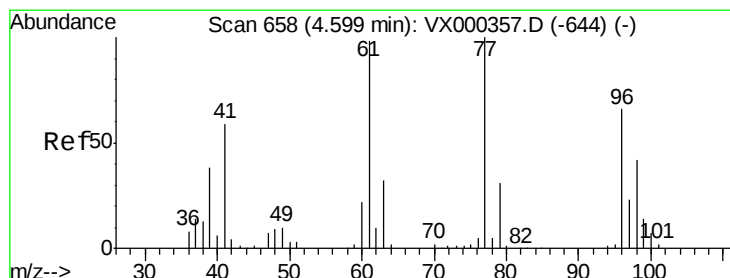
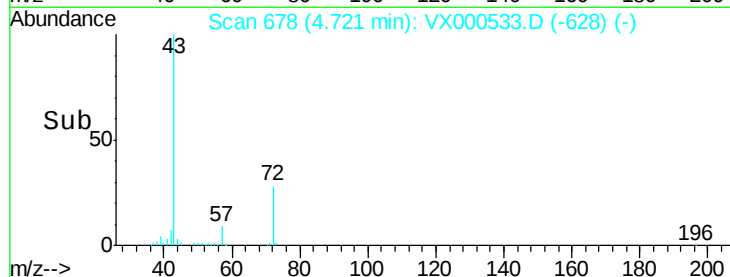
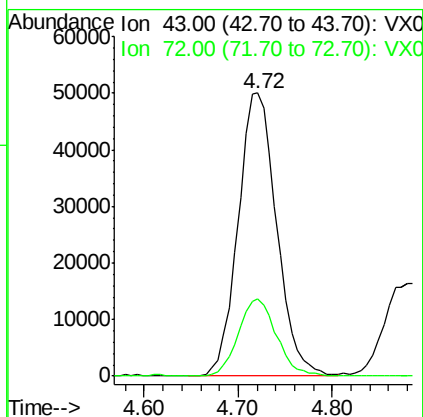
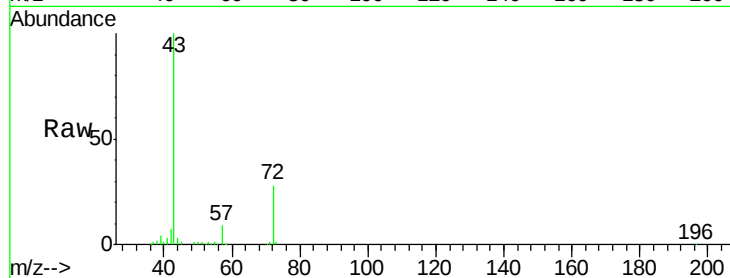
72 27.5 21.0 31.6

Manual Integrations

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sam

3/30/2018 4:10:40 PM



#26

2,2-Dichloropropane

Concen: 15.96 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000533.D

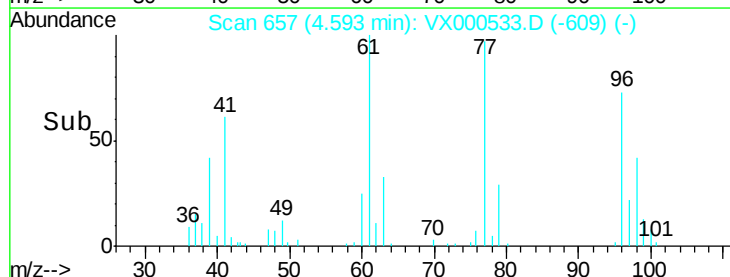
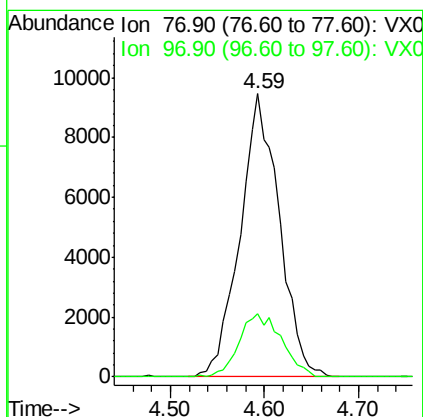
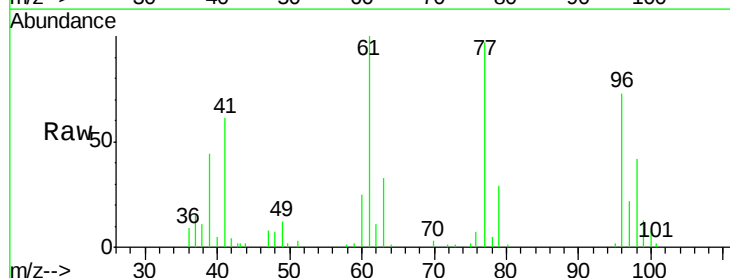
Acq: 30 Mar 2018 00:55

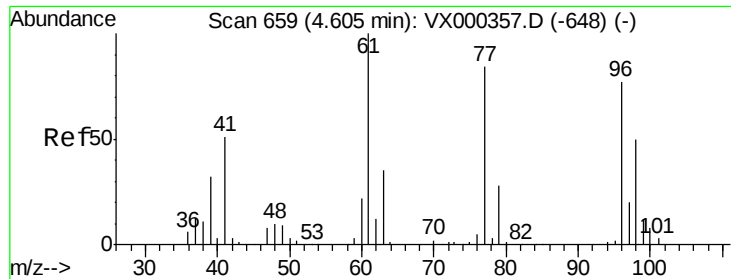
Tgt Ion: 77 Resp: 27486

Ion Ratio Lower Upper

77 100

97 24.2 11.3 33.8





#27

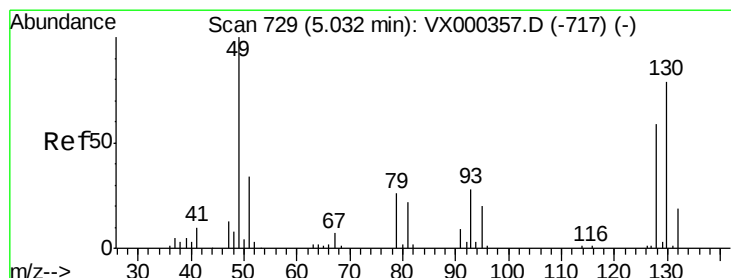
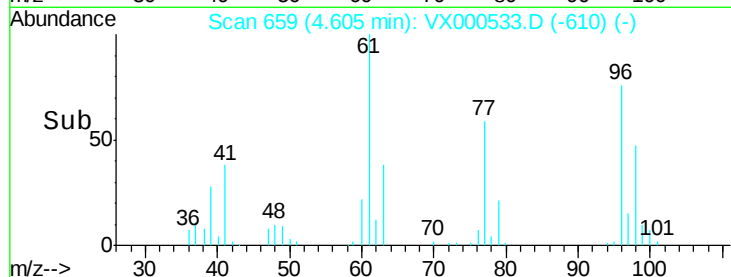
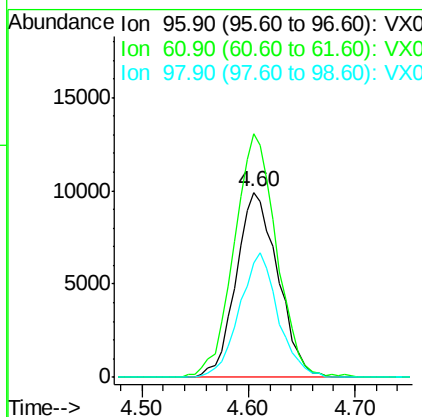
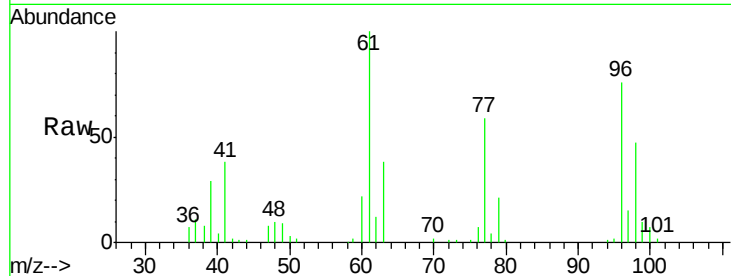
cis-1,2-Dichloroethene
Concen: 20.91 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	291.6
98	62.6	0.0	132.0

Manual Integrations
APPROVED

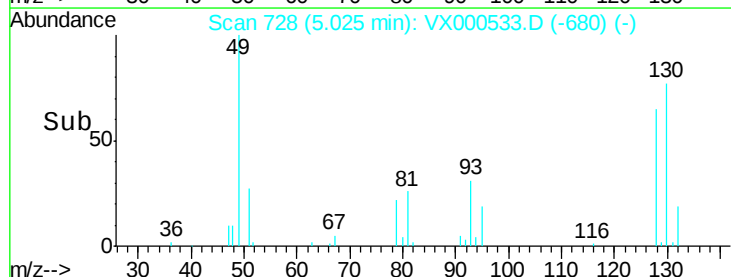
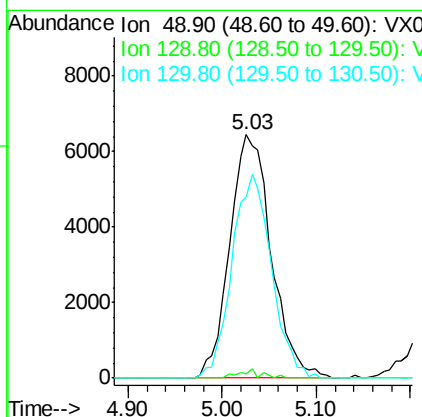
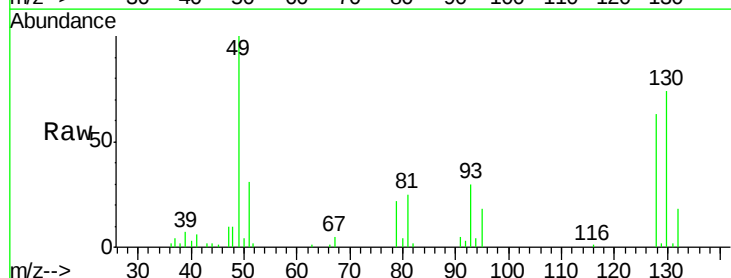
sam
3/30/2018 4:10:40 PM

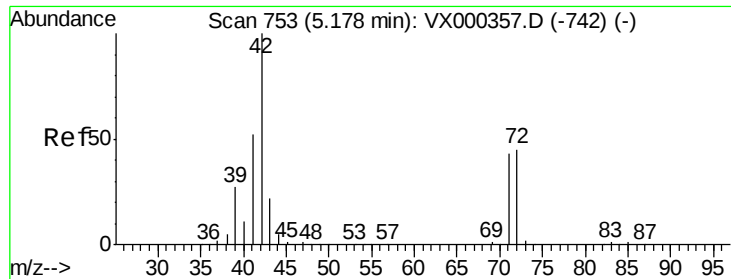


#28

Bromochloromethane
Concen: 19.54 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	5.0
130	79.8	64.0	96.0





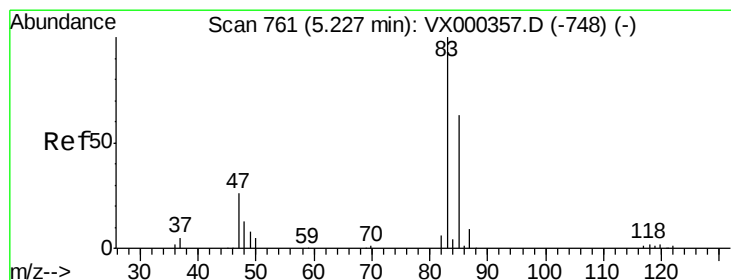
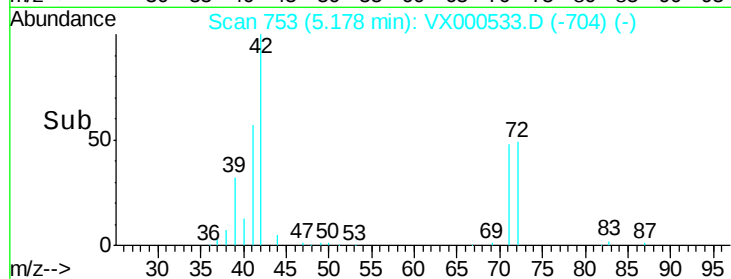
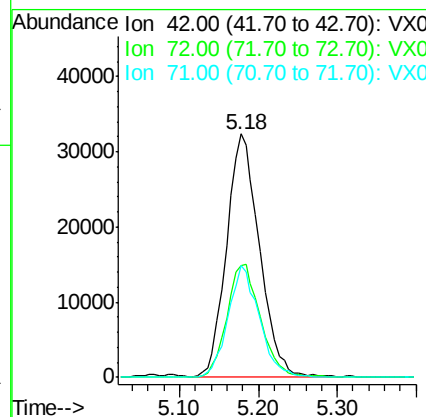
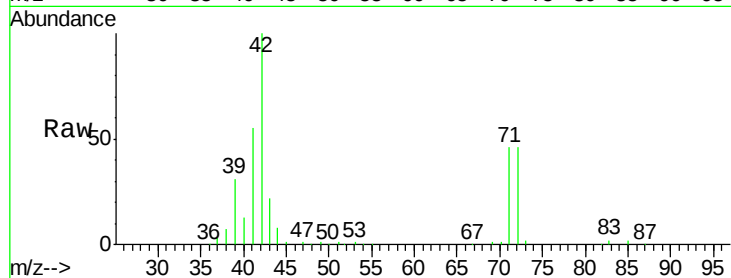
#29
Tetrahydrofuran
Concen: 107.97 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.9	56.9
71	43.7	34.4	51.6

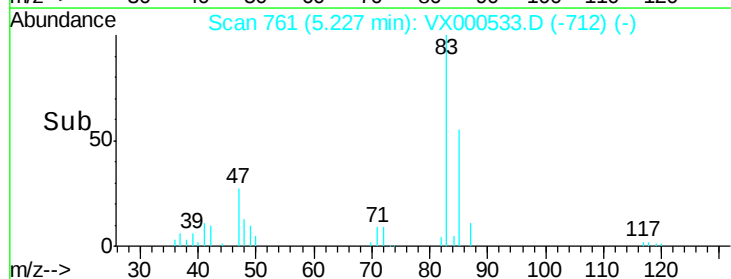
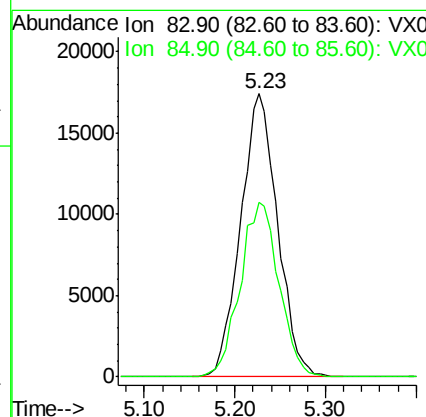
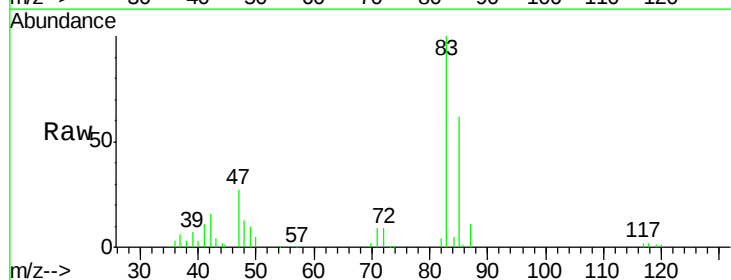
Manual Integrations
APPROVED

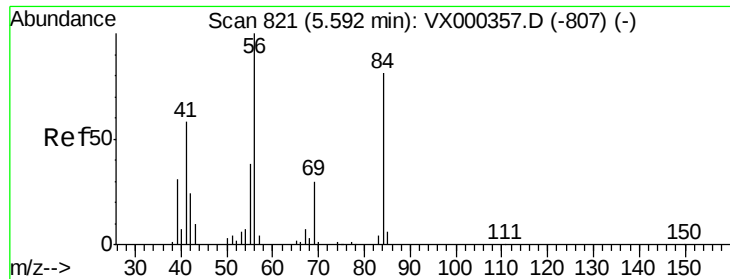
sam
3/30/2018 4:10:40 PM



#30
Chloroform
Concen: 21.33 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	53.3	79.9





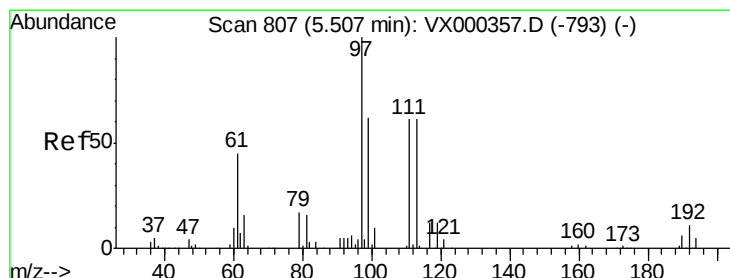
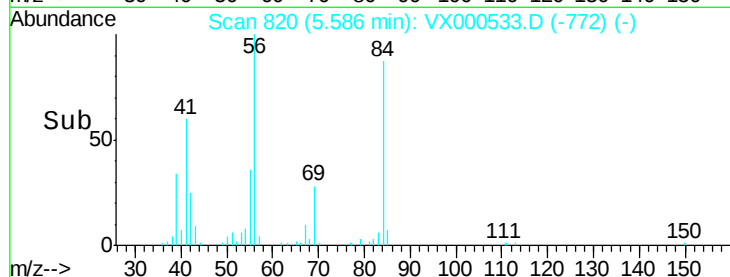
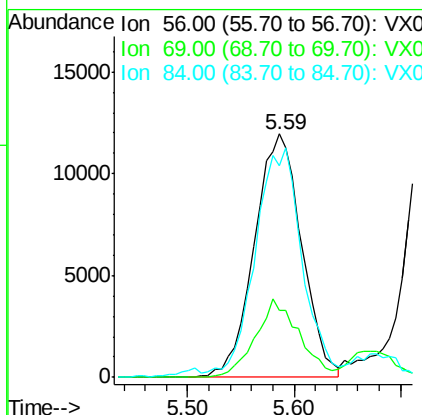
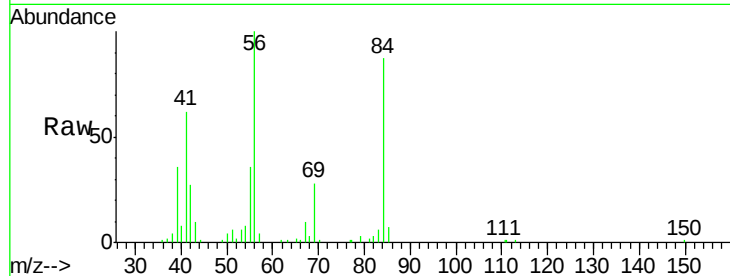
#31
Cyclohexane
Concen: 19.46 ug/l
RT: 5.59 min Scan# 820
Delta R.T. -0.01 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.7	23.4	35.0
84	84.2	71.0	106.4

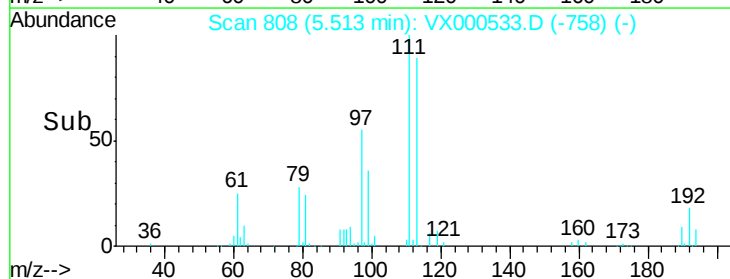
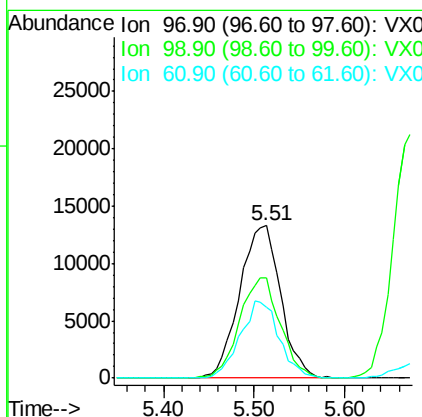
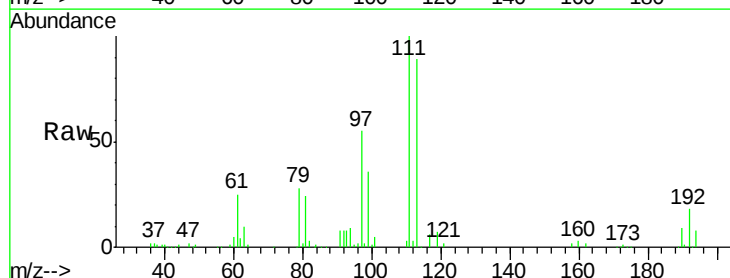
Manual Integrations
APPROVED

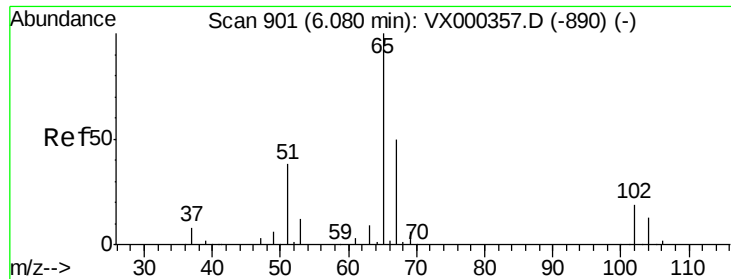
sam
3/30/2018 4:10:40 PM



#32
1,1,1-Trichloroethane
Concen: 20.05 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.1	78.1
61	47.8	36.2	54.4





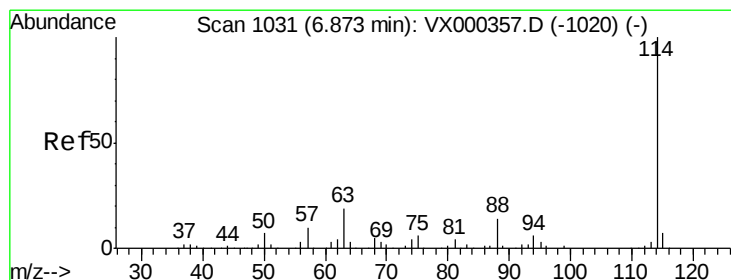
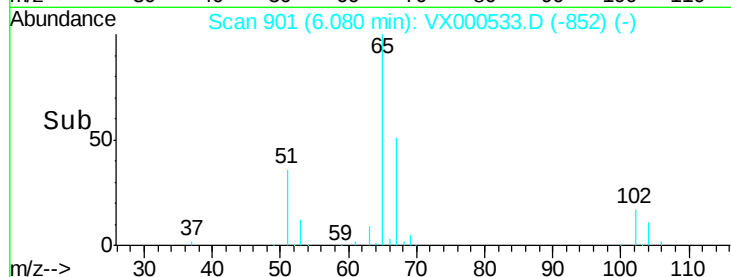
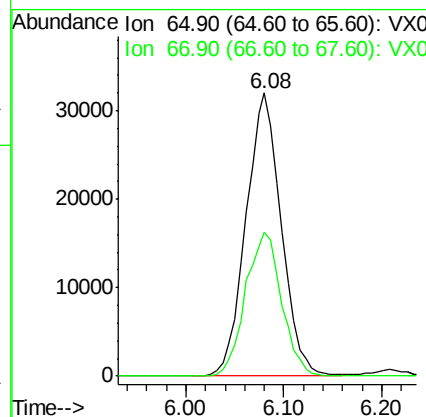
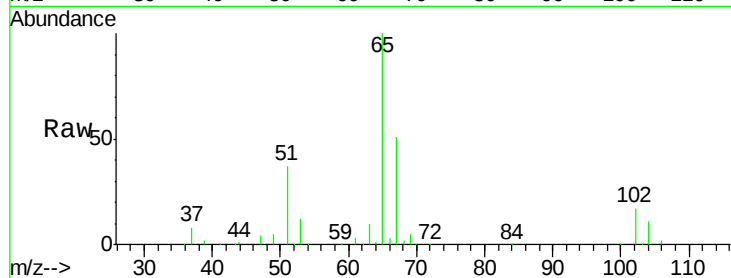
#33
 1,2-Dichloroethane-d4
 Concen: 53.37 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.2

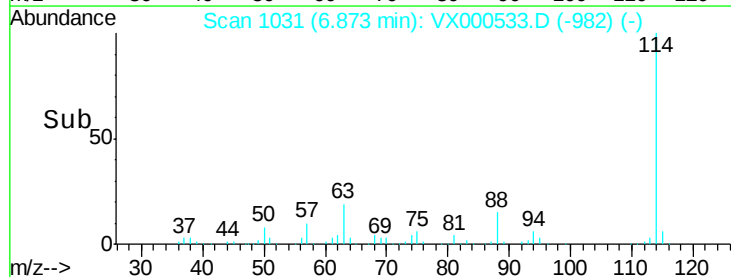
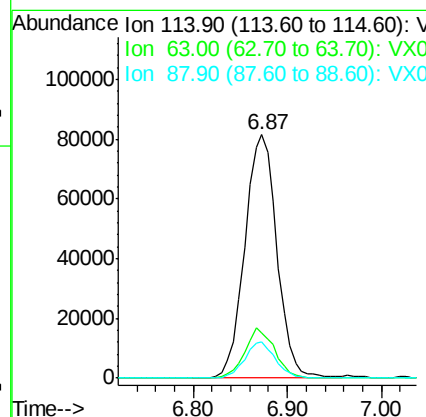
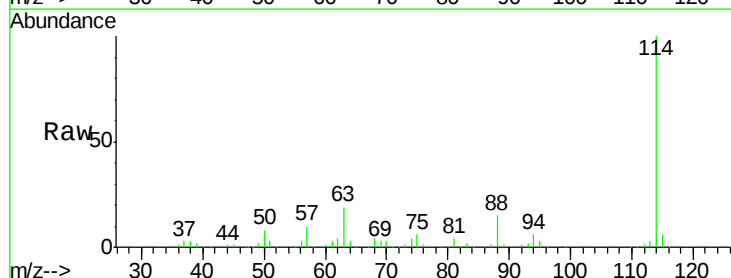
Manual Integrations
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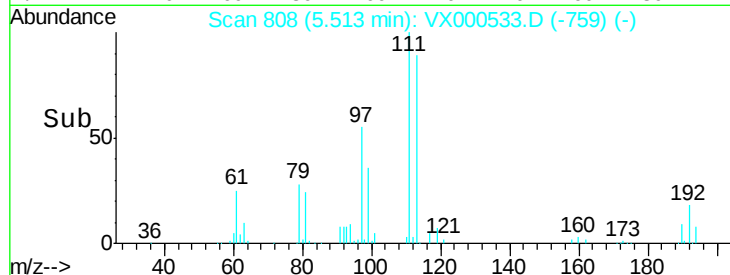
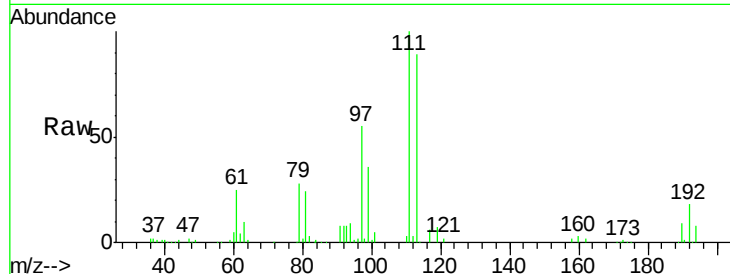
sam
 3/30/2018 4:10:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	38.4
88	14.7	0.0	27.0





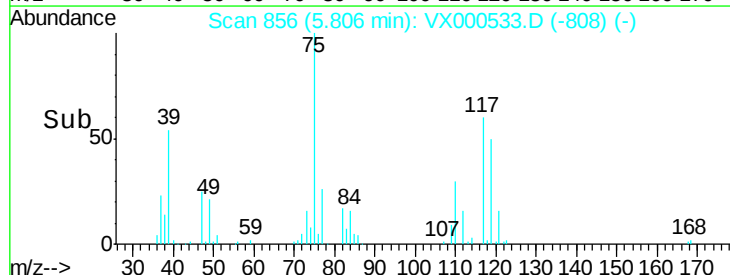
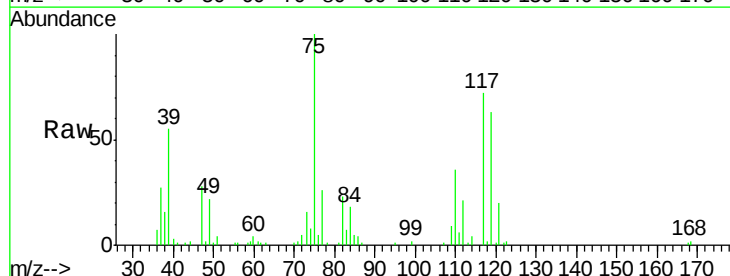
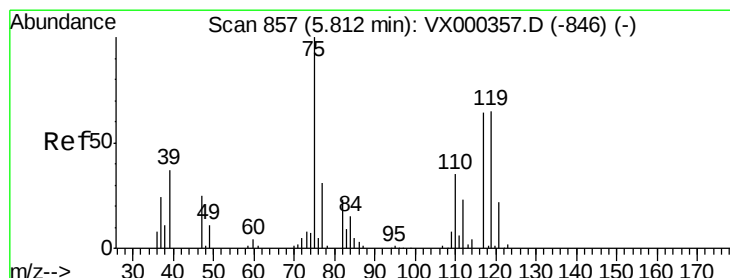
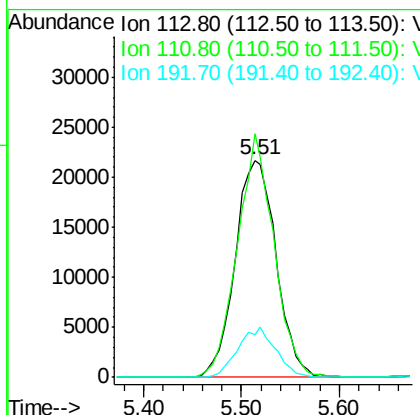
#35
Dibromofluoromethane
Concen: 51.45 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tot Ion	Ratio	Resp	Lower	Upper
113	100	63031		
111	100.5	82.4	123.6	
192	21.2	15.8	23.6	

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

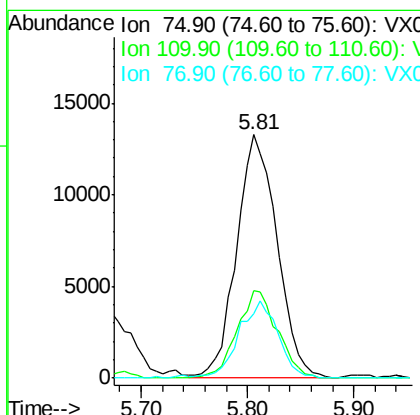
Manual Integrations
APPROVED

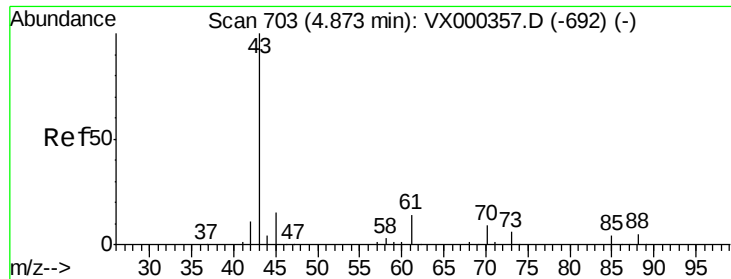
sam
3/30/2018 4:10:40 PM



#36
1,1-Dichloropropene
Concen: 19.47 ug/l
RT: 5.81 min Scan# 856
Delta R.T. -0.01 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35467		
110	35.8	17.9	53.7	
77	30.4	24.0	36.0	





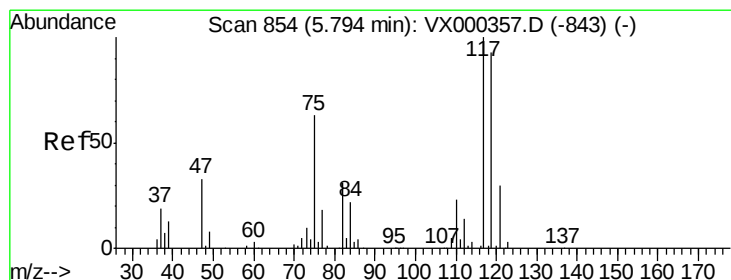
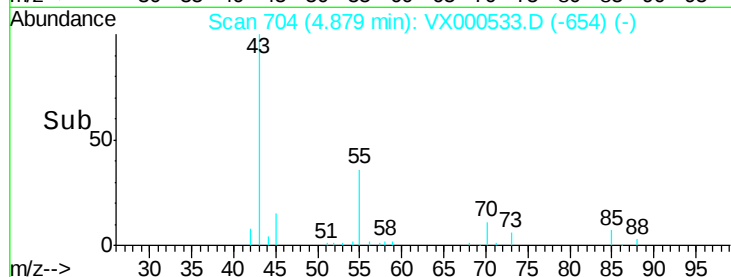
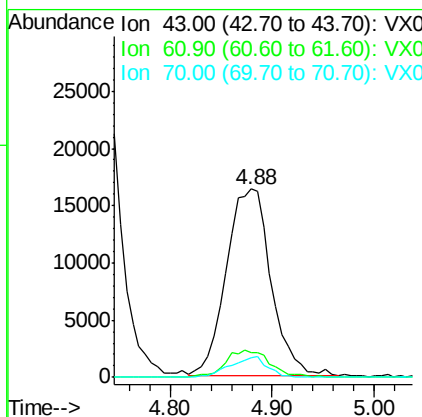
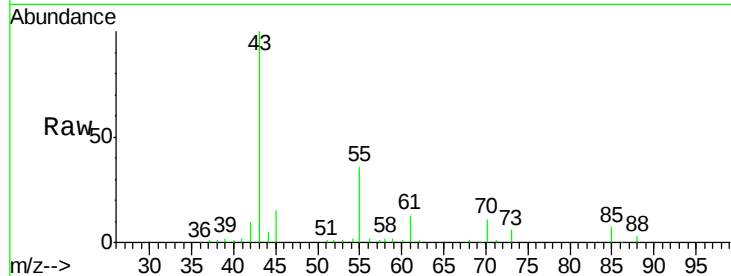
#37
Ethyl Acetate
Concen: 20.01 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	9.2	7.7	11.5

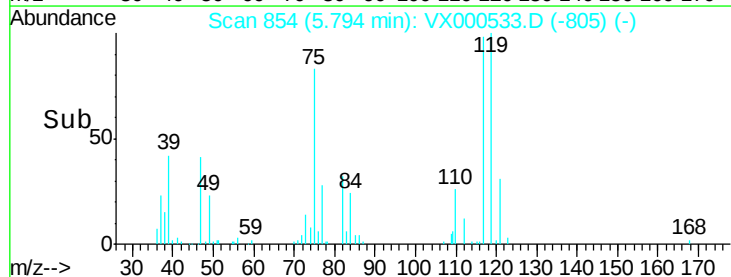
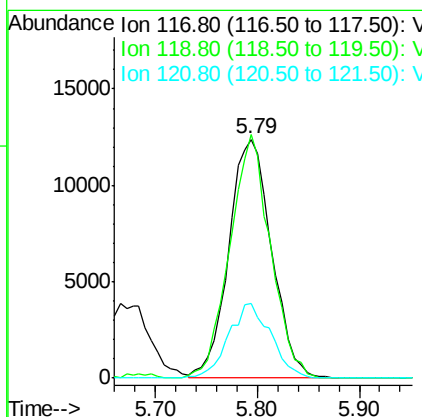
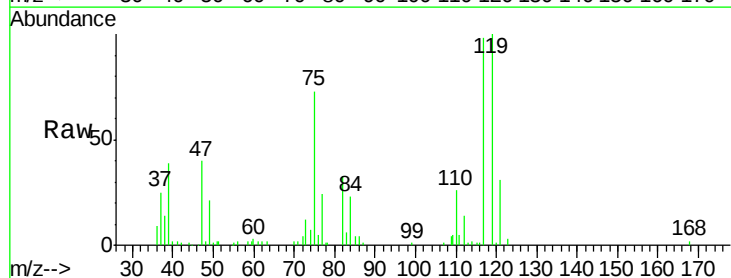
Manual Integrations
APPROVED

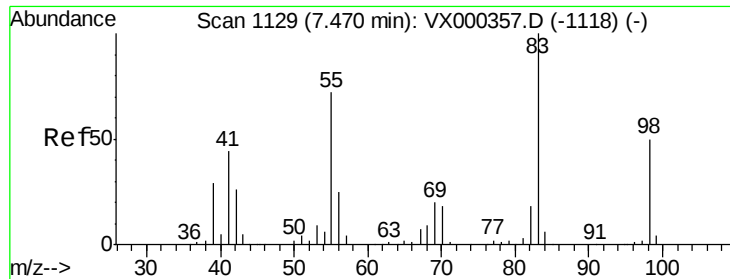
sam
3/30/2018 4:10:40 PM



#38
Carbon Tetrachloride
Concen: 18.86 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.9	77.4	116.2
121	31.5	24.8	37.2





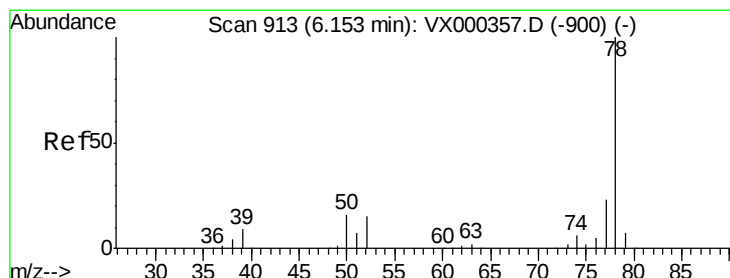
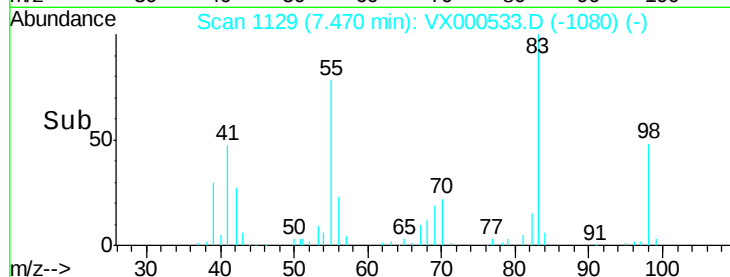
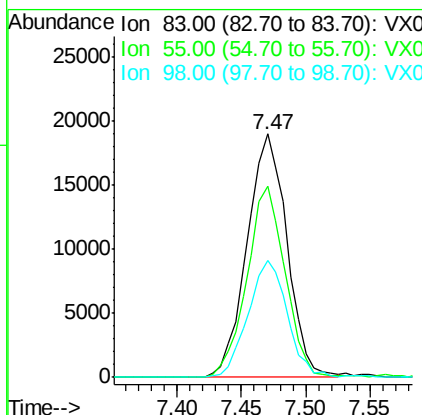
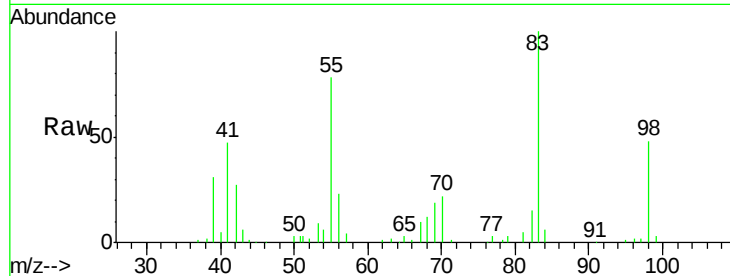
#39
Methvlcvclohexane
Concen: 18.38 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	55.5	83.3
98	47.9	38.2	57.4

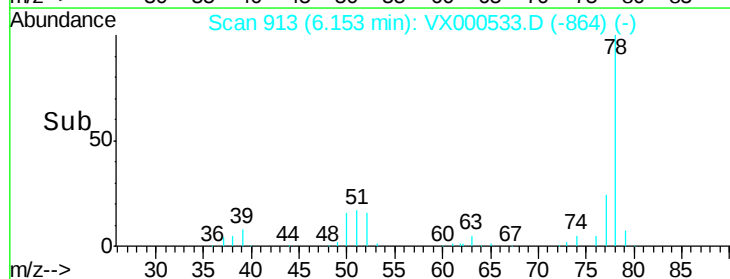
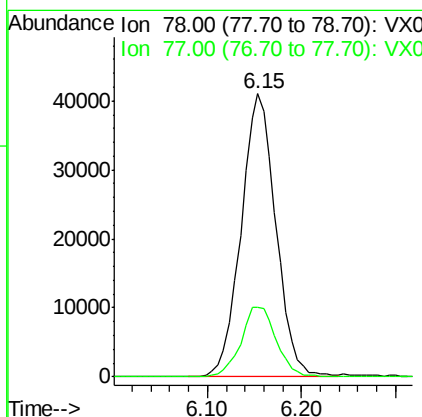
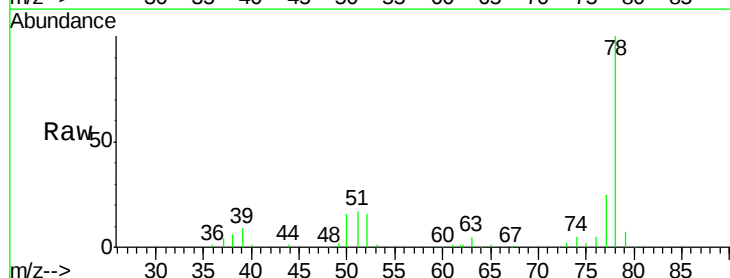
Manual Integrations
APPROVED

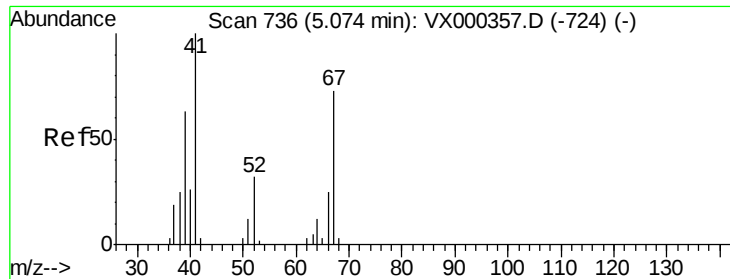
sam
3/30/2018 4:10:40 PM



#40
Benzene
Concen: 20.01 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.7	28.1





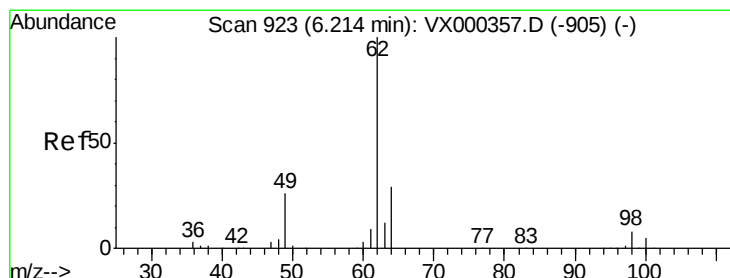
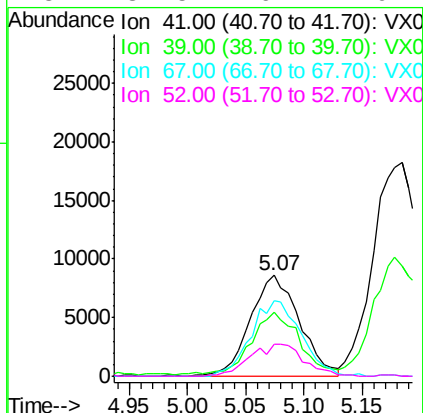
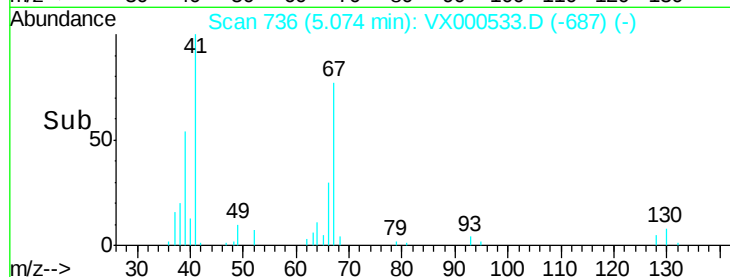
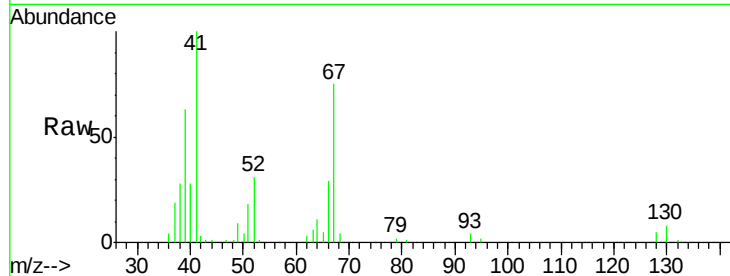
#41
Methacrylonitrile
Concen: 19.26 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion:	41	Resp:	25262
Ion	Ratio	Lower	Upper
41	100		
39	60.4	45.7	68.5
67	76.1	57.8	86.8
52	34.5	26.7	40.1

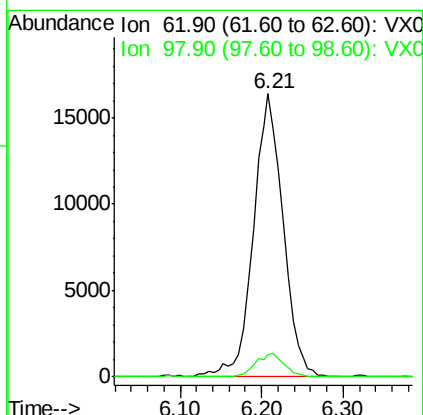
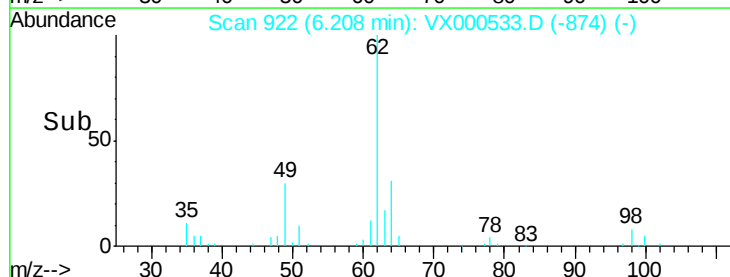
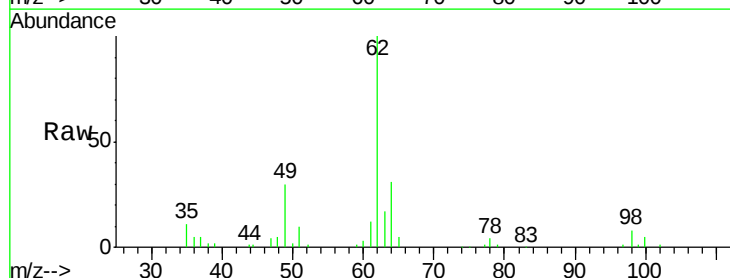
Manual Integrations
APPROVED

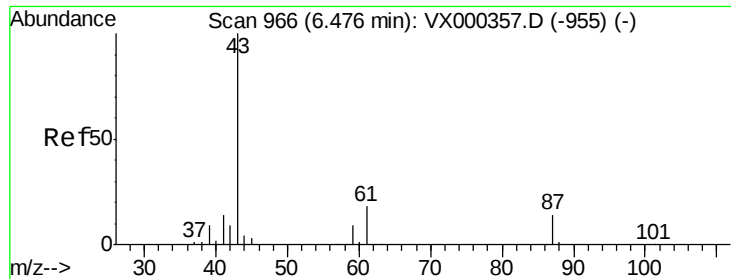
sam
3/30/2018 4:10:40 PM



#42
1,2-Dichloroethane
Concen: 20.11 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.01 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion:	62	Resp:	41740
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8





#43

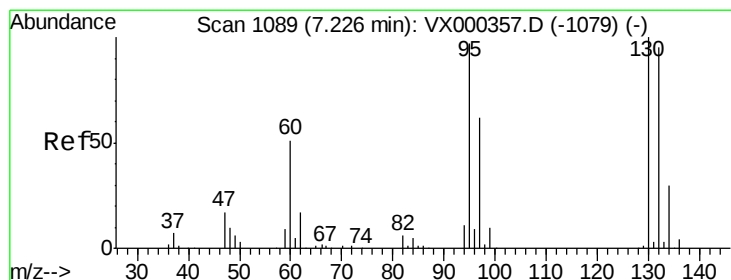
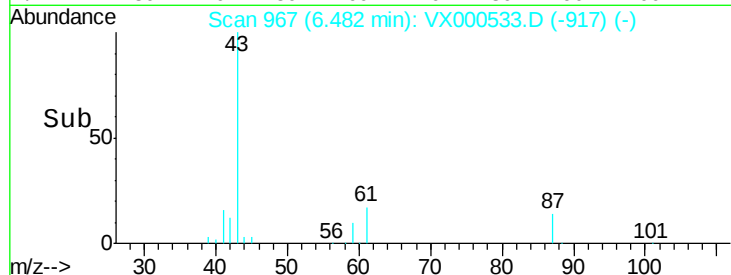
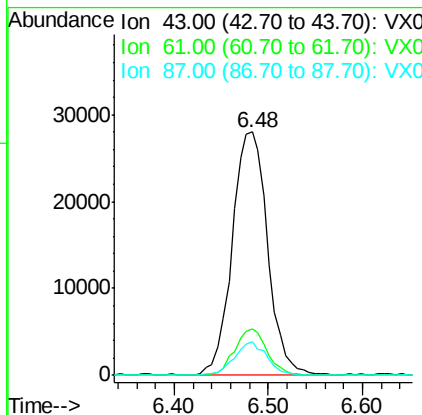
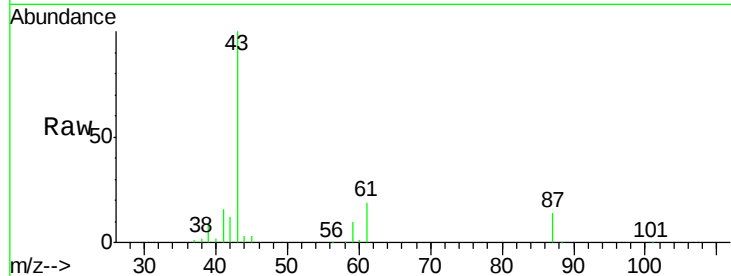
Isopropyl Acetate
 Concen: 19.85 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.4	21.6
87	12.6	11.0	16.4

Manual Integrations
 APPROVED

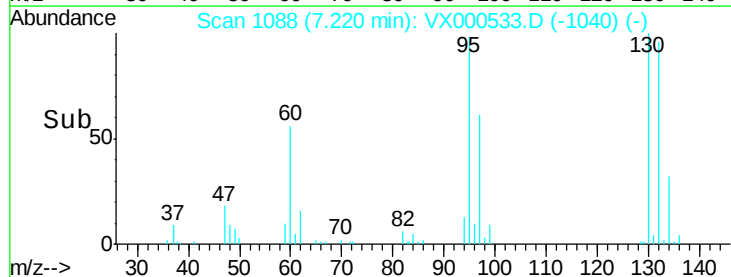
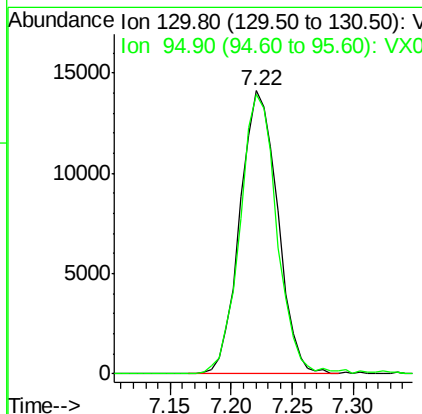
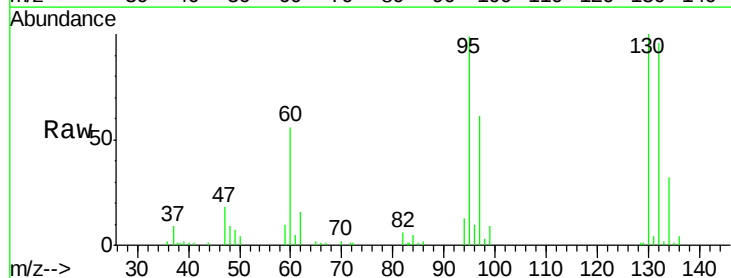
sam
 3/30/2018 4:10:40 PM



#44

Trichloroethene
 Concen: 19.91 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	186.0





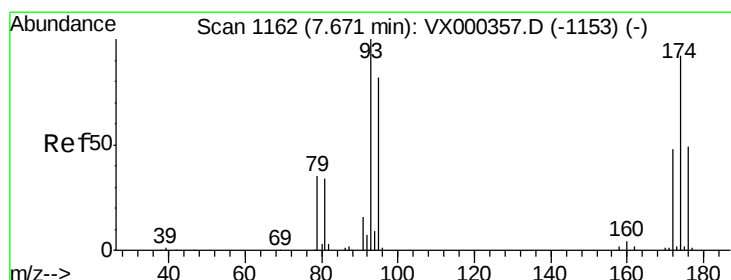
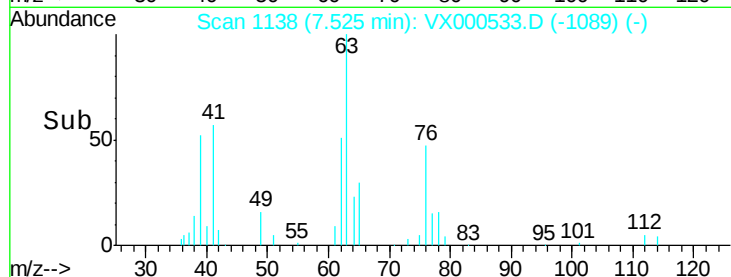
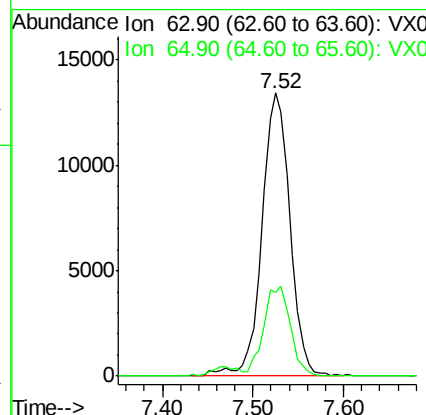
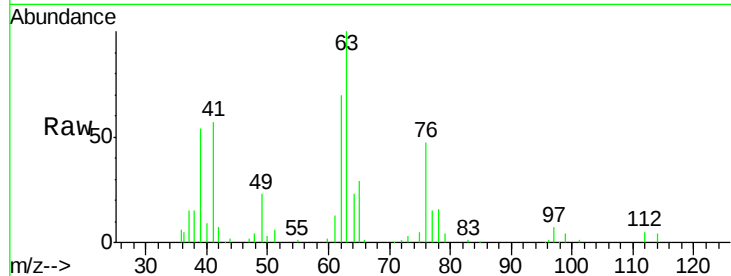
#45
 1,2-Dichloropropane
 Concen: 21.20 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion: 63 Resp: 28695
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.6 36.8

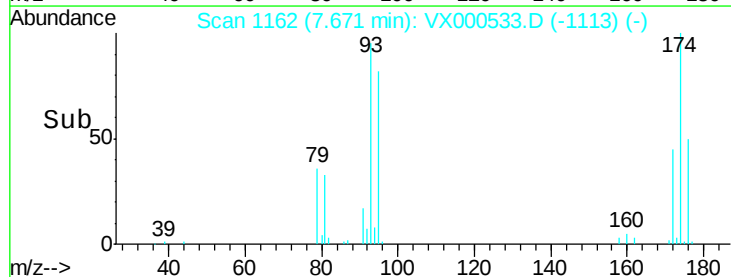
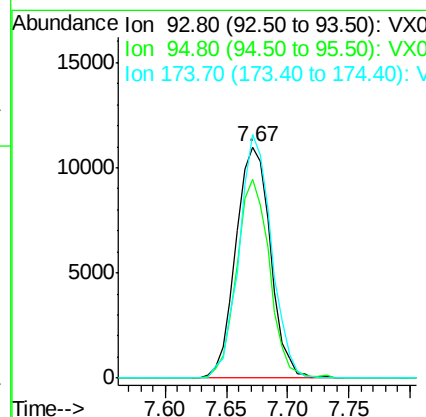
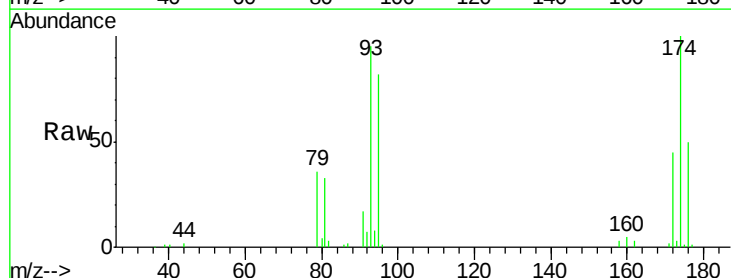
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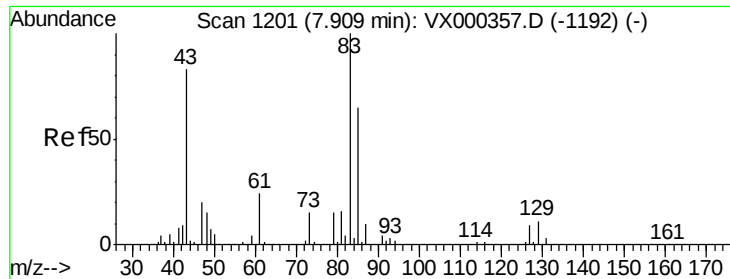
sam
 3/30/2018 4:10:40 PM



#46
 Dibromomethane
 Concen: 20.26 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Tgt Ion: 93 Resp: 21530
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.5 99.7
 174 98.6 76.0 114.0





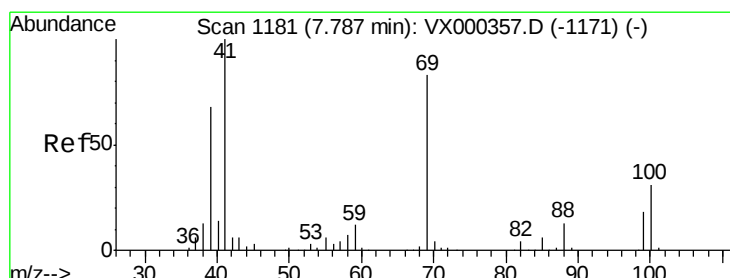
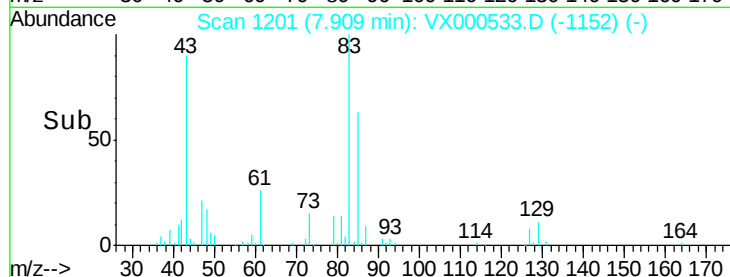
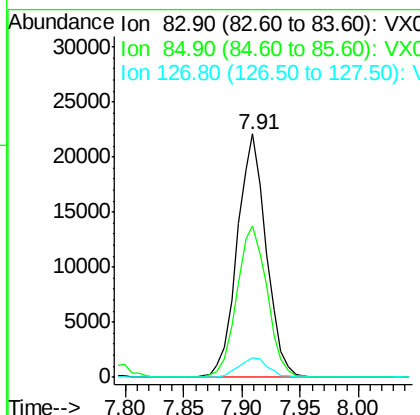
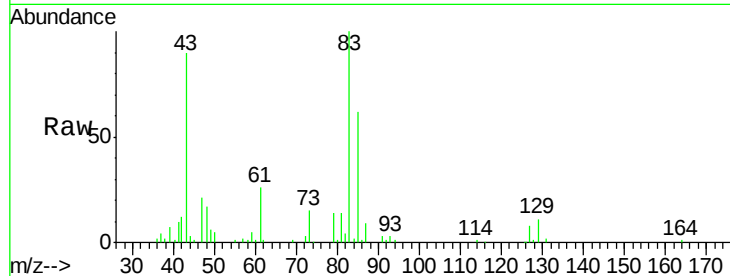
#47
Bromodichloromethane
Concen: 20.46 ug/l
RT: 7.91 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	83	Resp	38258
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	51.4	77.0
127	7.9	7.0	10.6

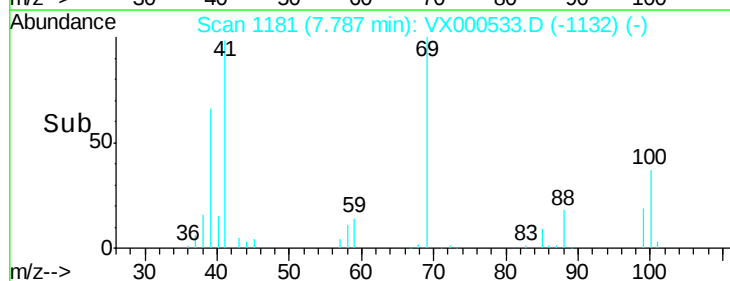
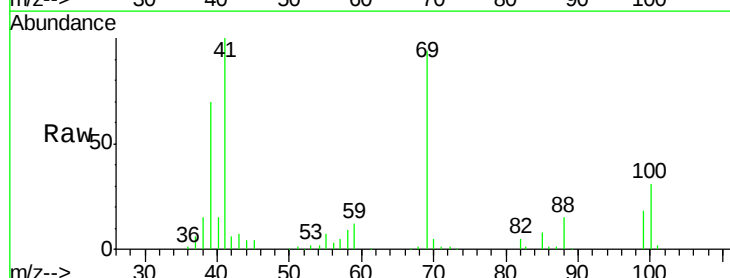
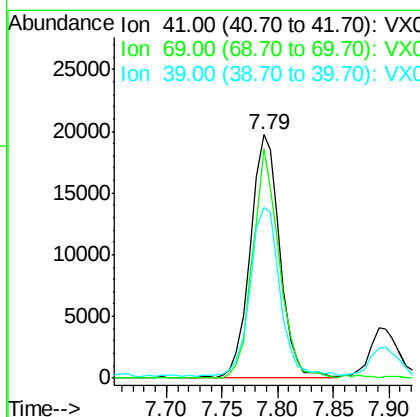
Manual Integrations
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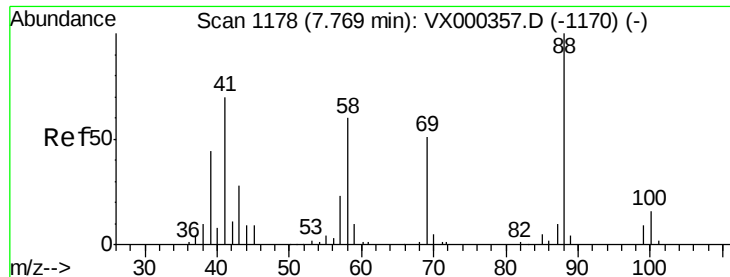
sam
3/30/2018 4:10:40 PM



#48
Methyl methacrylate
Concen: 20.38 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion	41	Resp	36648
Ion Ratio	100	Lower	Upper
41	100		
69	83.9	68.2	102.4
39	70.0	54.6	81.8





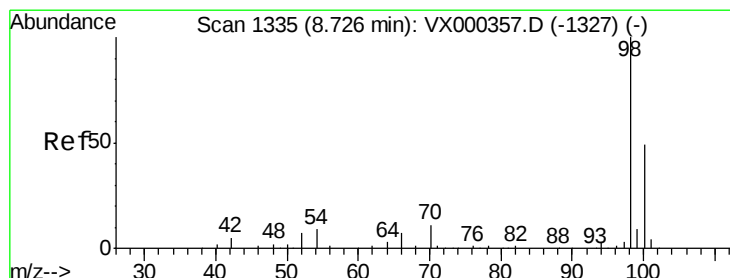
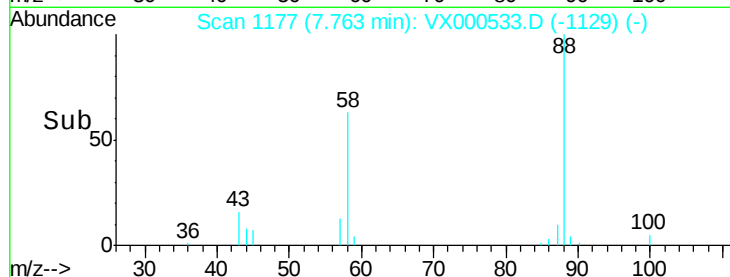
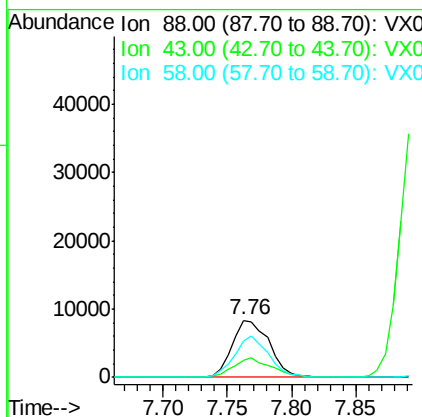
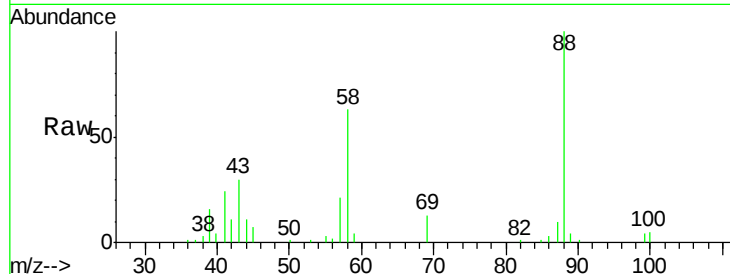
#49
1,4-Dioxane
Concen: 441.05 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	26.8	40.2
58	67.0	52.2	78.2

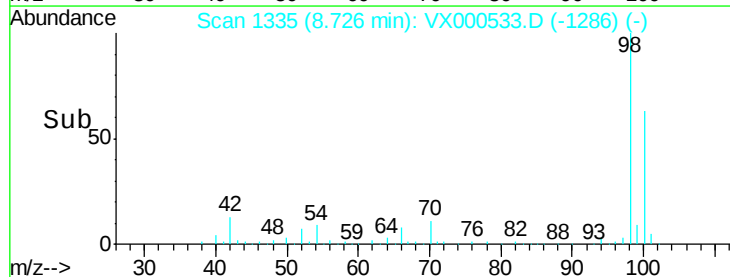
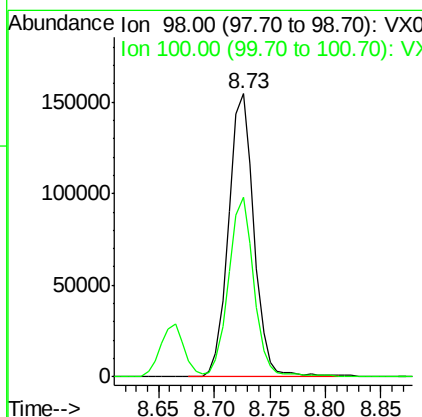
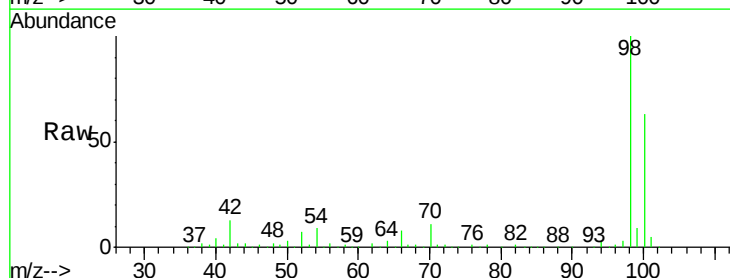
Manual Integrations
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sam
3/30/2018 4:10:40 PM



#50
Toluene-d8
Concen: 48.18 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 104.90 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 43 Resp: 300672

Ion Ratio Lower Upper

43 100

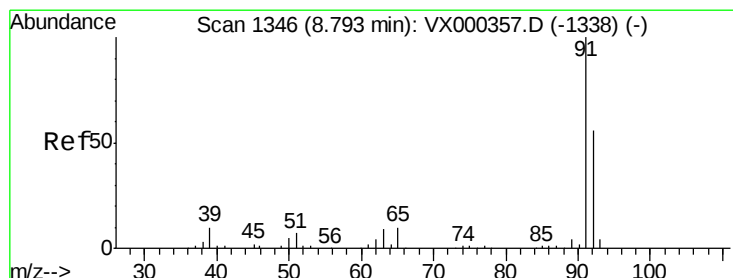
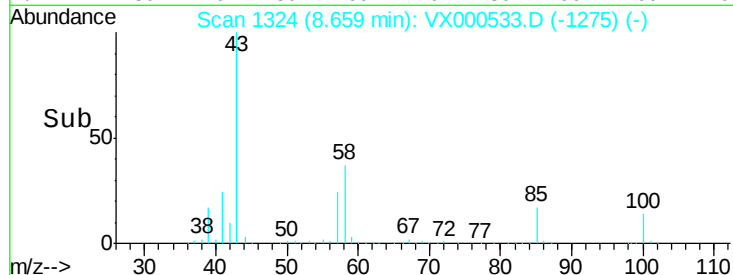
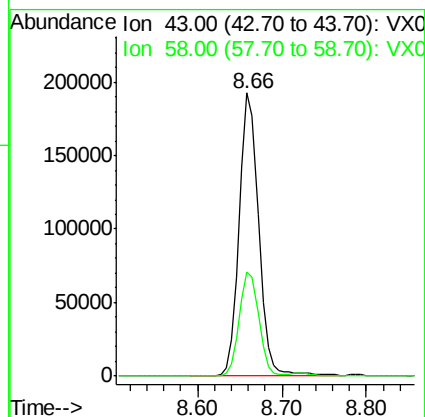
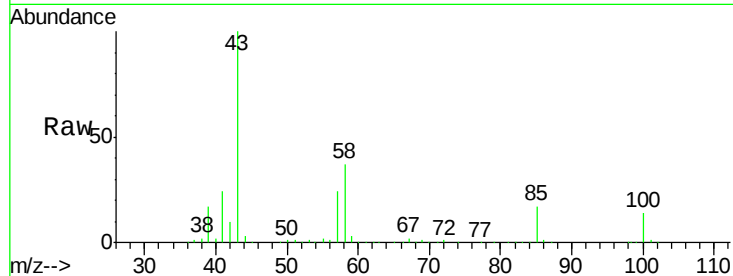
58 36.8 30.3 45.5

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#52

Toluene

Concen: 19.98 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000533.D

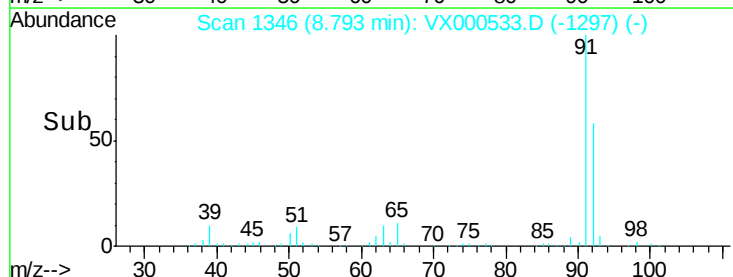
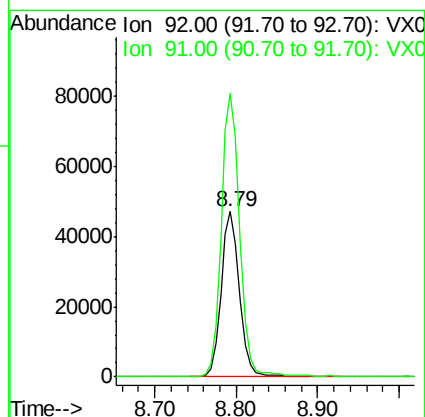
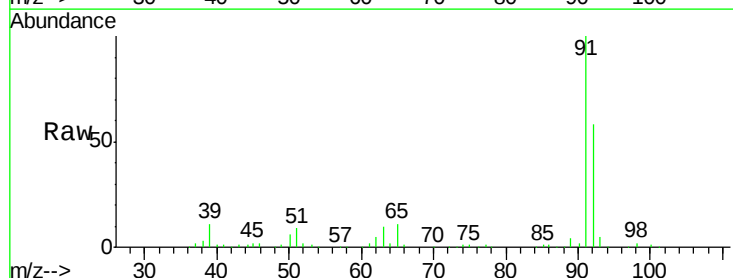
Acq: 30 Mar 2018 00:55

Tgt Ion: 92 Resp: 73870

Ion Ratio Lower Upper

92 100

91 172.7 140.2 210.2





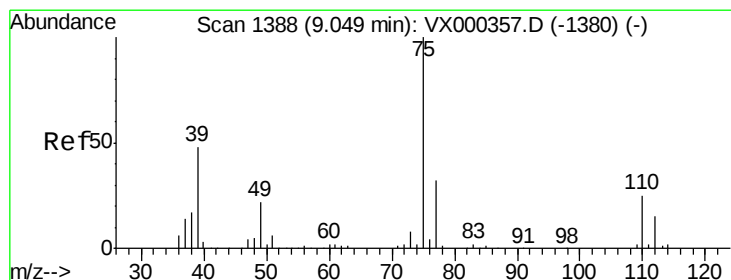
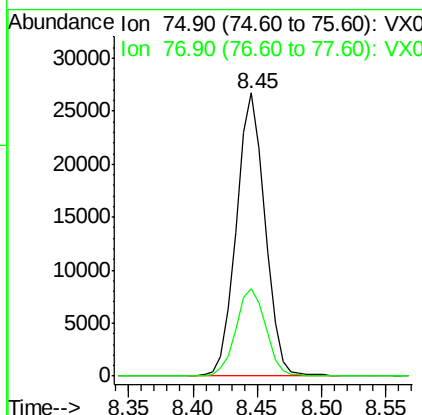
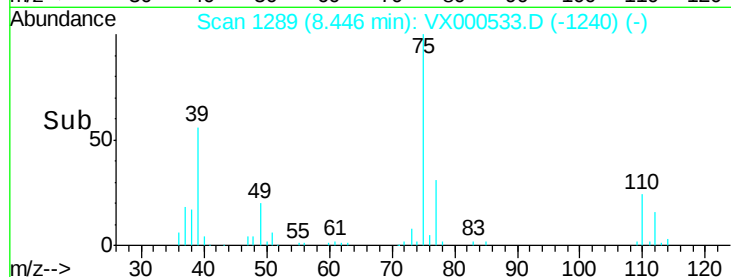
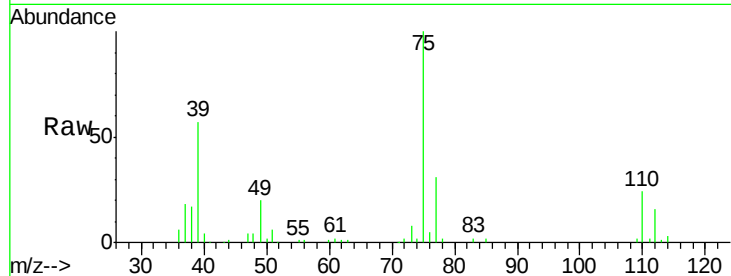
#53
t-1,3-Dichloropropene
Concen: 19.03 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion: 75 Resp: 41226
Ion Ratio Lower Upper
75 100
77 30.7 24.0 36.0

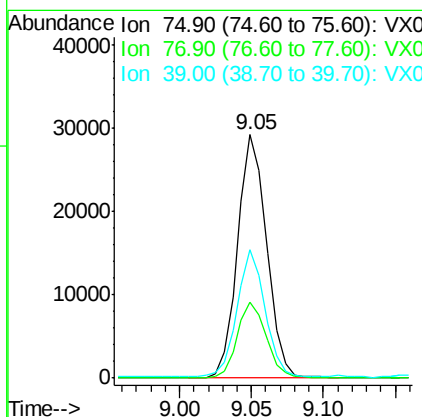
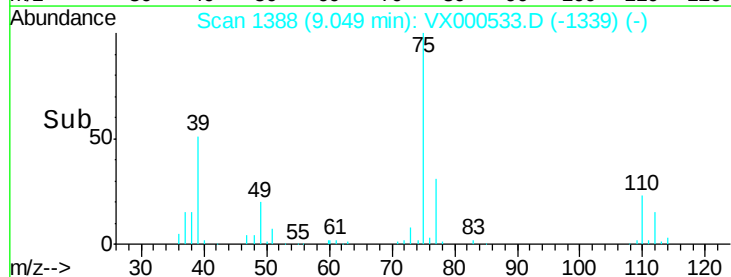
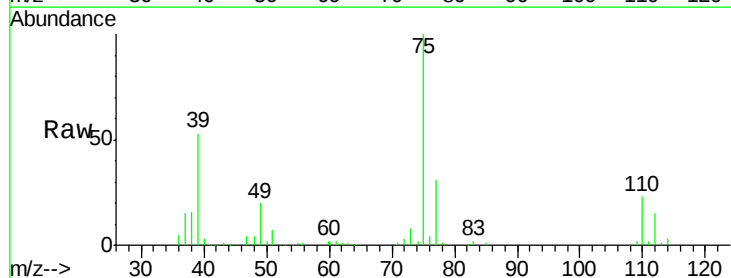
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sam
3/30/2018 4:10:40 PM



#54
cis-1,3-Dichloropropene
Concen: 19.54 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion: 75 Resp: 41067
Ion Ratio Lower Upper
75 100
77 31.4 26.1 39.1
39 52.3 39.8 59.6





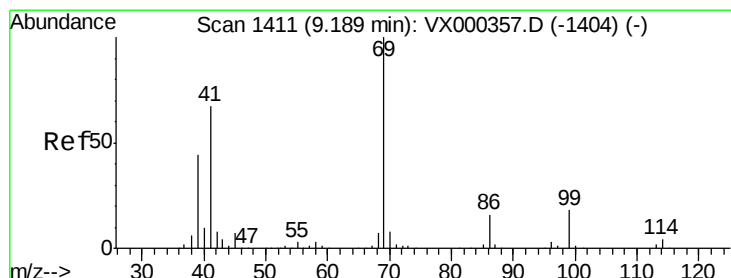
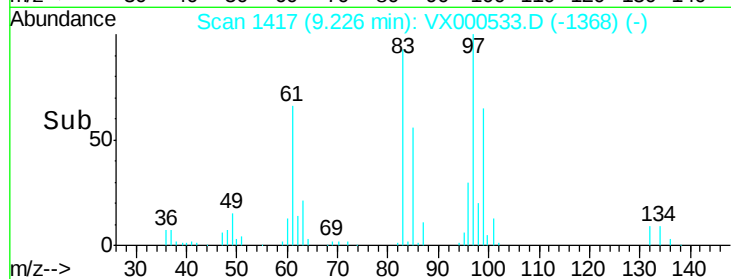
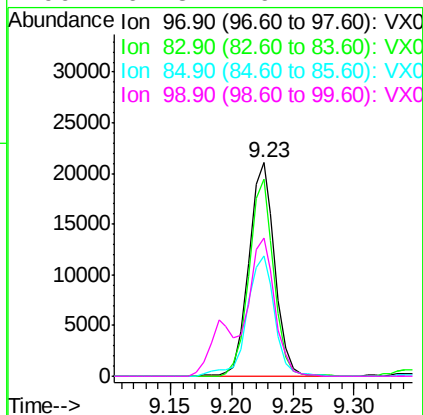
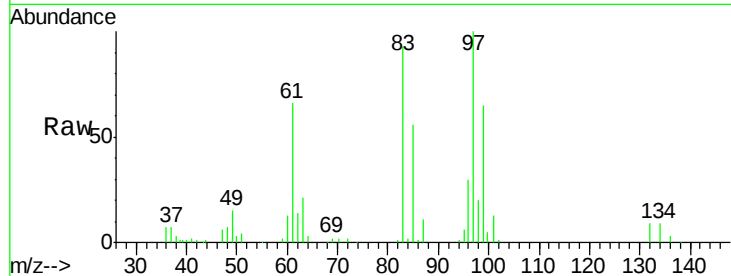
#55
 1,1,2-Trichloroethane
 Concen: 20.42 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion:	97	Resp:	31049
Ion	Ratio	Lower	Upper
97	100		
83	92.6	67.9	101.9
85	56.5	42.8	64.2
99	64.8	49.4	74.2

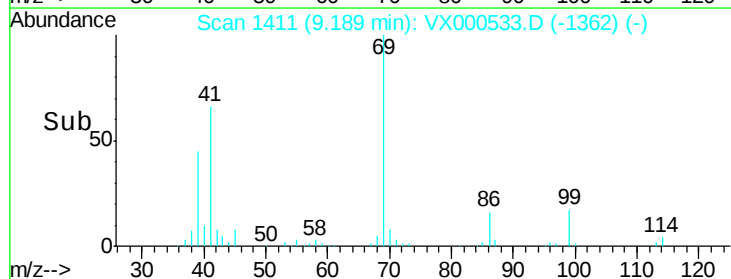
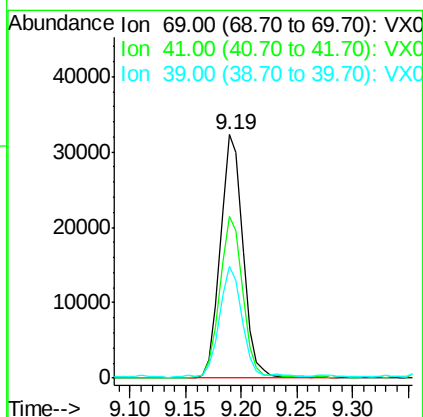
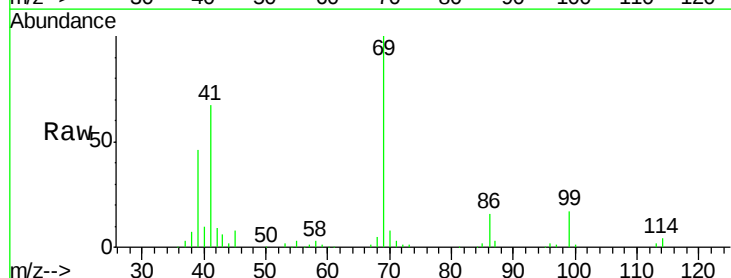
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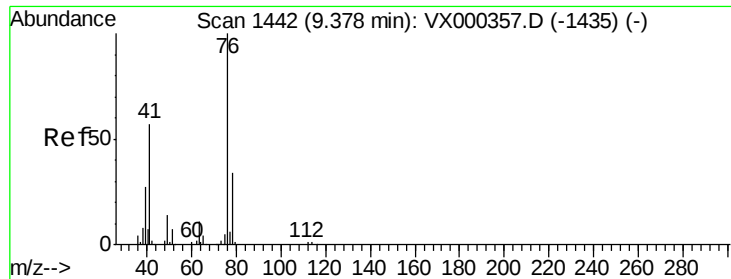
sam
 3/30/2018 4:10:40 PM



#56
 Ethyl methacrylate
 Concen: 19.89 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Tgt Ion:	69	Resp:	45827
Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.0	79.6
39	45.9	35.3	52.9





#57

1,3-Dichloropropane

Concen: 20.74 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 76 Resp: 50427

Ion Ratio Lower Upper

76 100

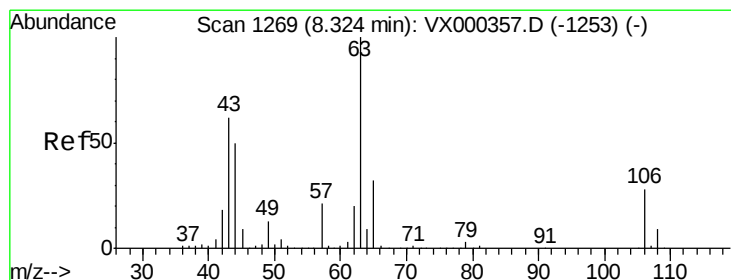
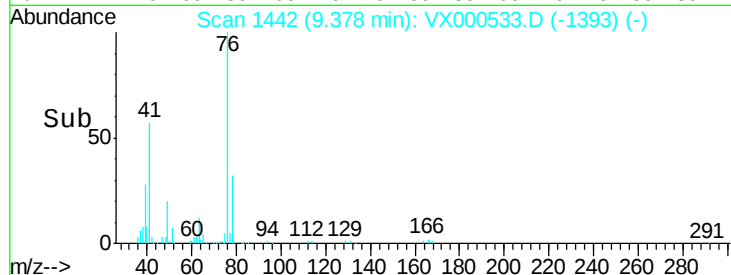
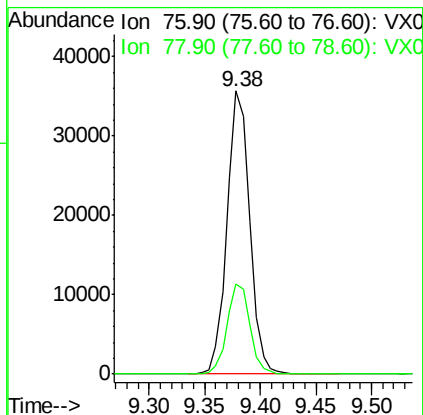
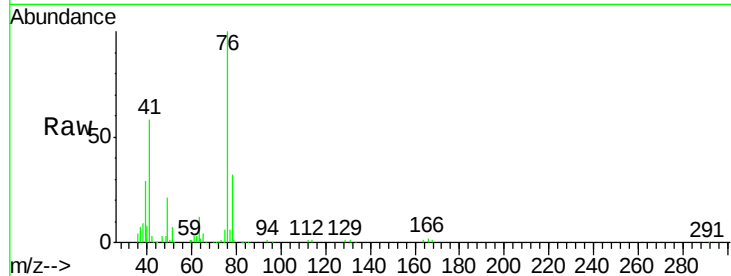
78 32.0 26.4 39.6

Manual Integrations

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sam

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#58

2-Chloroethyl Vinyl ether

Concen: 88.59 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000533.D

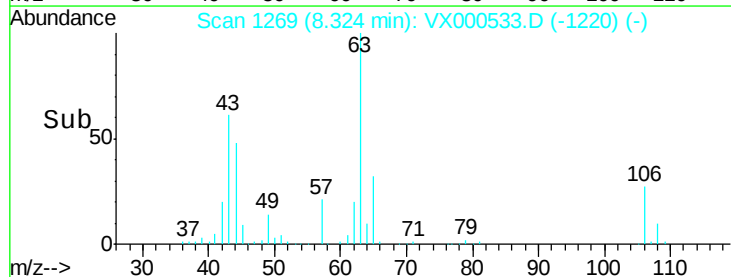
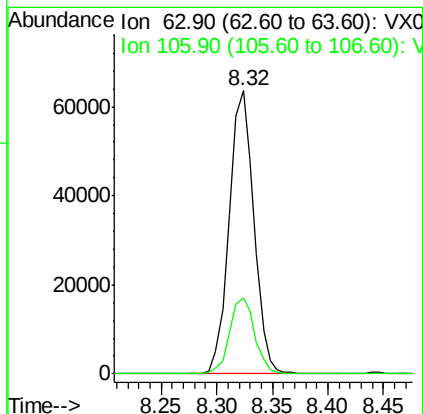
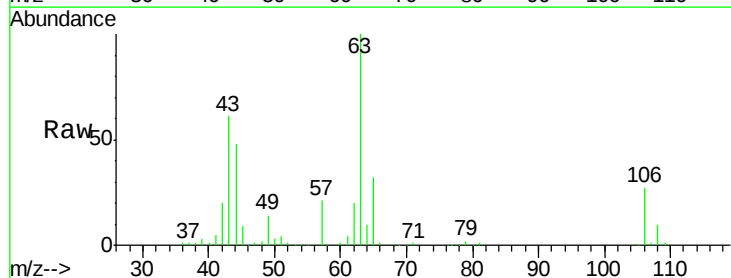
Acq: 30 Mar 2018 00:55

Tgt Ion: 63 Resp: 97967

Ion Ratio Lower Upper

63 100

106 27.3 23.2 34.8





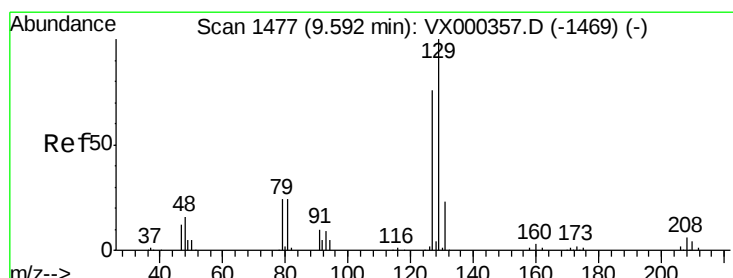
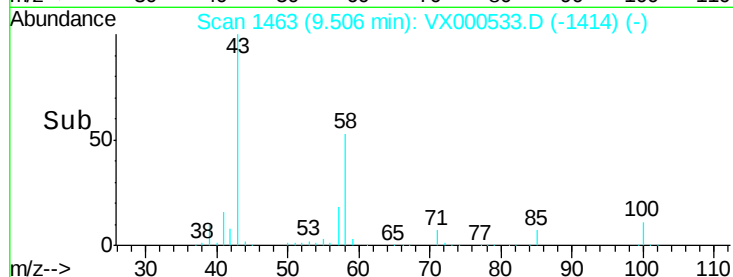
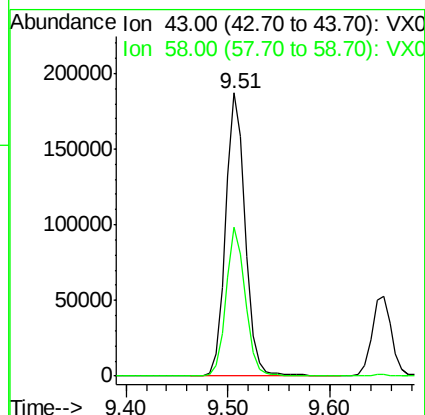
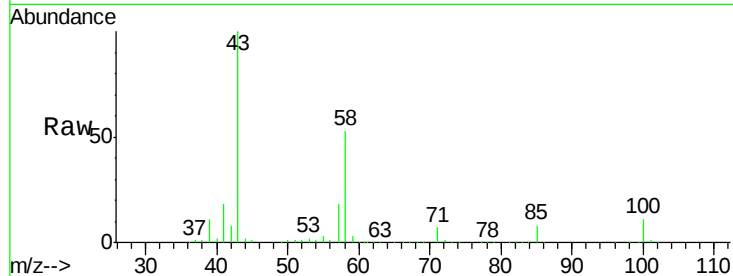
#59
2-Hexanone
Concen: 102.78 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion: 43 Resp: 250152
Ion Ratio Lower Upper
43 100
58 51.8 26.6 79.7

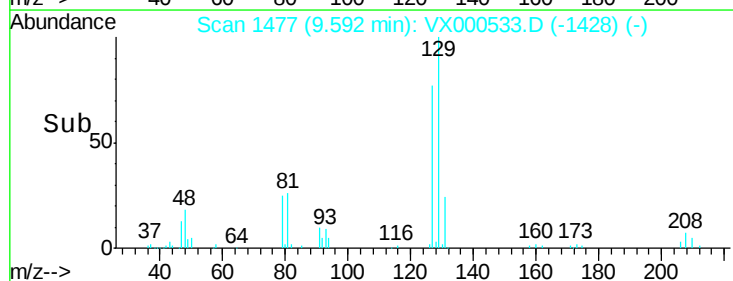
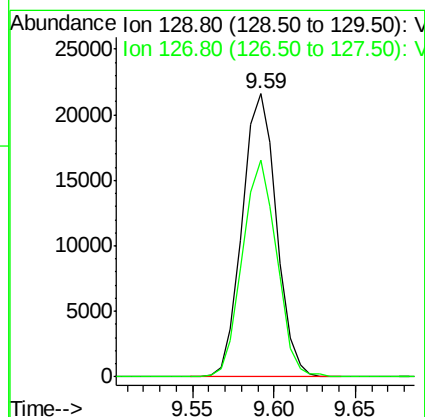
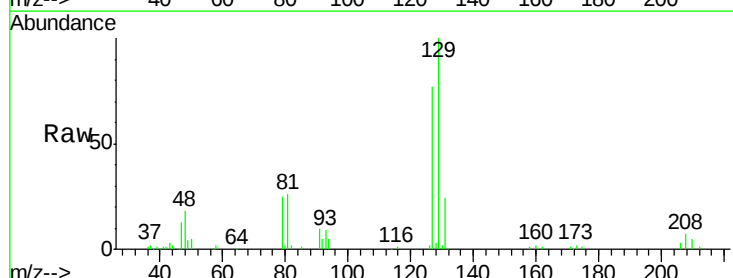
Manual Integrations
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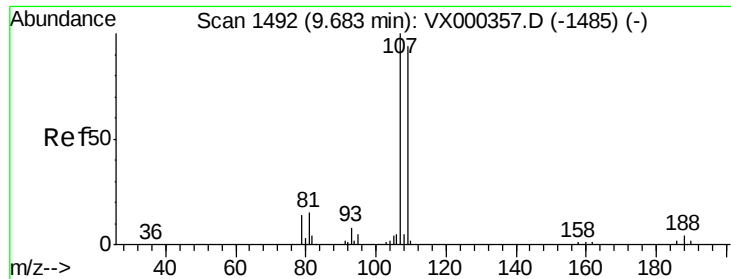
sam
3/30/2018 4:10:40 PM



#60
Dibromochloromethane
Concen: 20.27 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion:129 Resp: 31675
Ion Ratio Lower Upper
129 100
127 76.7 37.9 113.6





#61

1,2-Dibromoethane

Concen: 20.65 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampled :

VX0329WBS02

Tot Ion:107 Resp: 33671

Ion Ratio Lower Upper

107 100

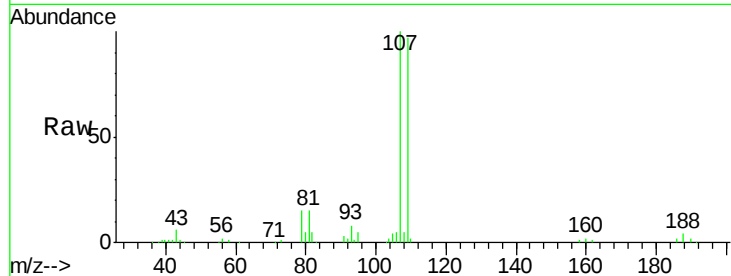
109 94.8 76.1 114.1

Manual Integrations

APPROVED

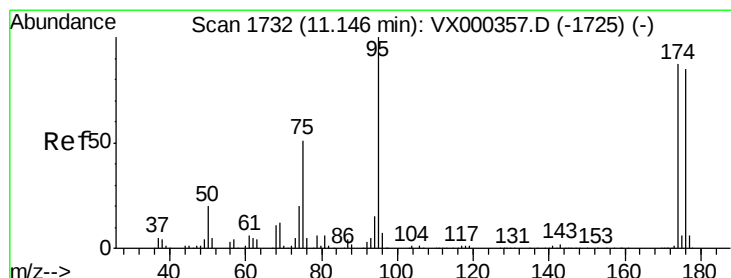
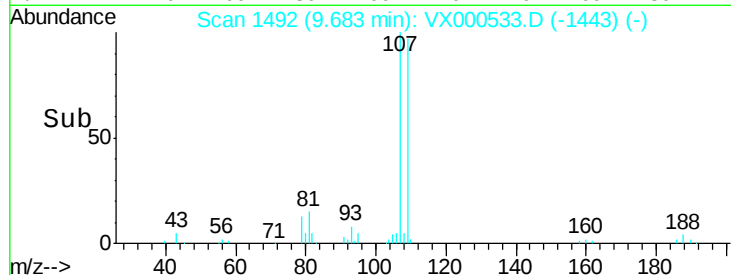
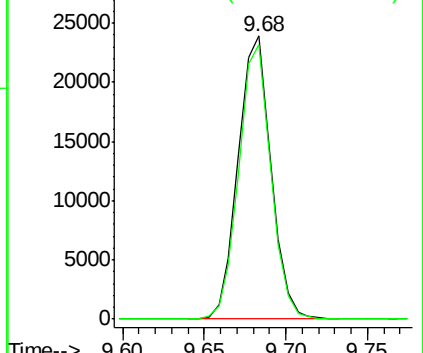
sam

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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: 45.05 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

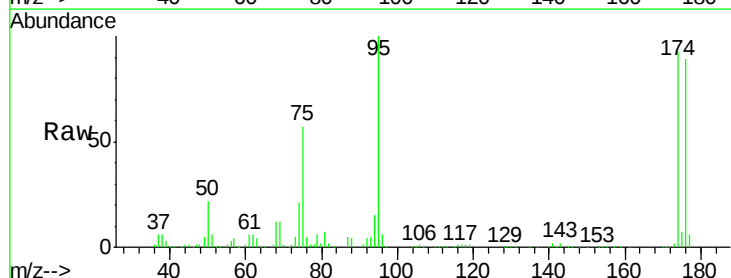
Tgt Ion: 95 Resp: 95098

Ion Ratio Lower Upper

95 100

174 88.3 0.0 173.6

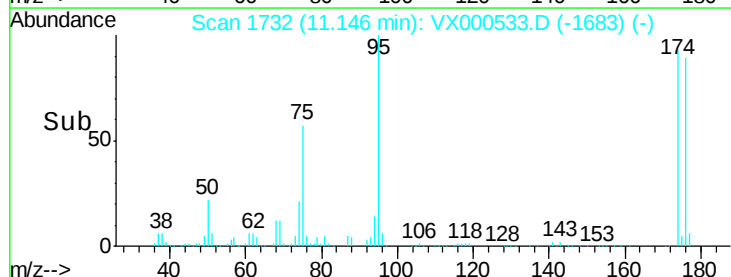
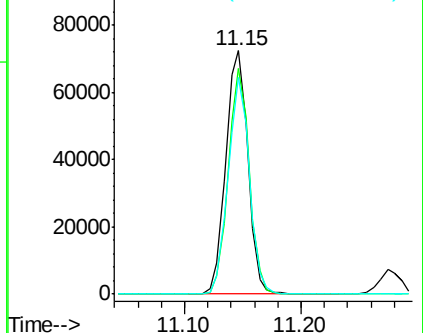
176 86.1 0.0 164.6

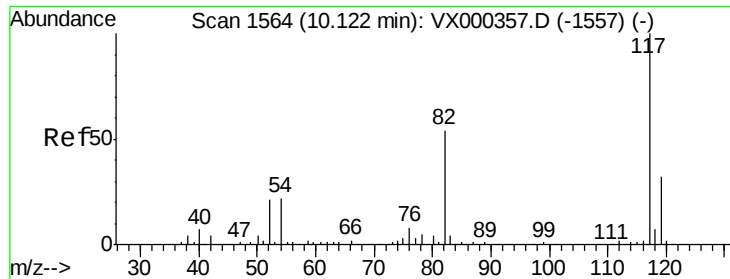


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





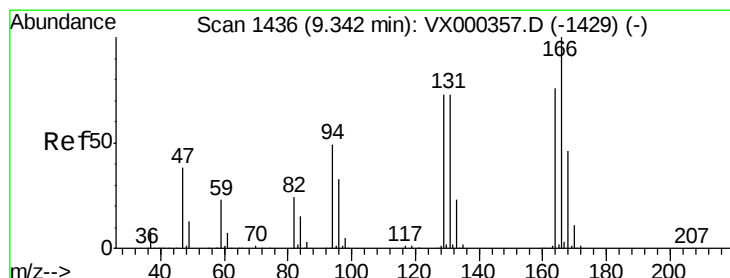
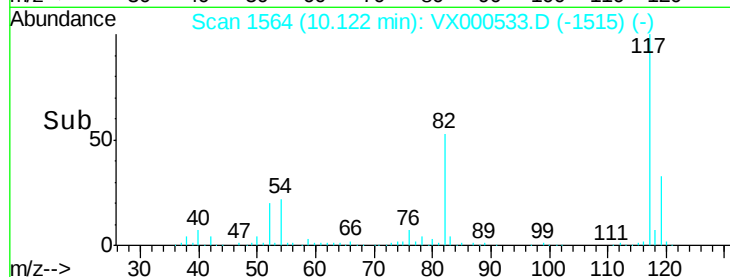
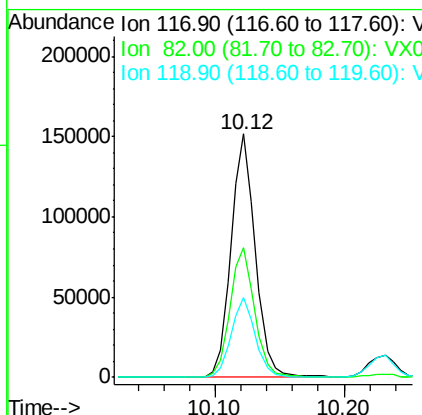
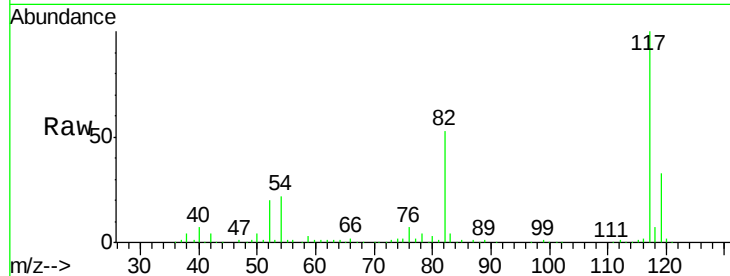
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.8	65.8
119	32.8	24.9	37.3

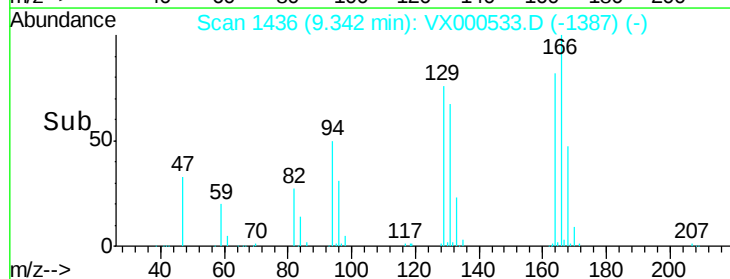
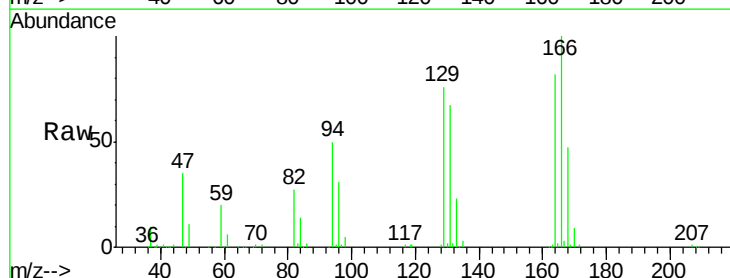
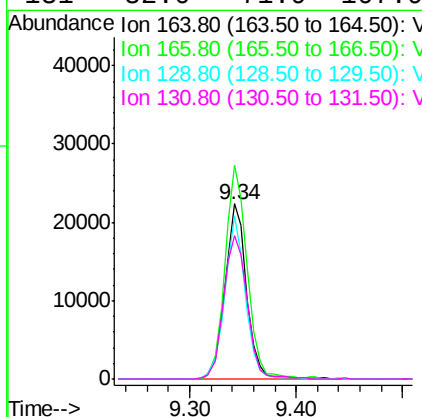
Manual Integrations
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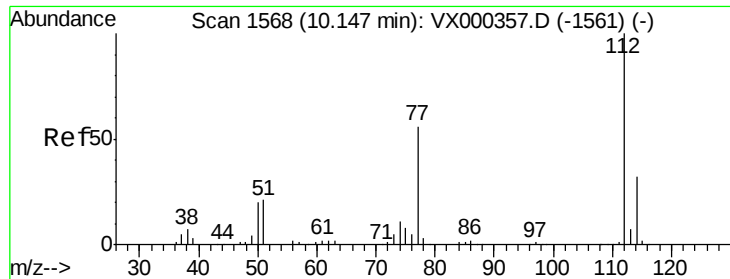
sam
3/30/2018 4:10:40 PM



#64
Tetrachloroethene
Concen: 20.49 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.2	101.0	151.6
129	92.9	79.0	118.4
131	82.0	71.9	107.9





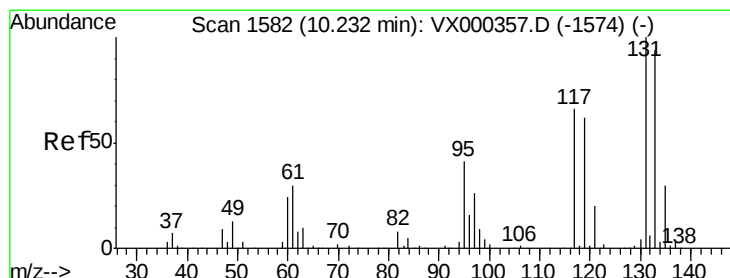
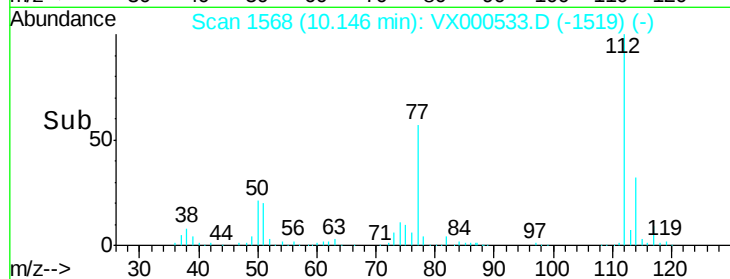
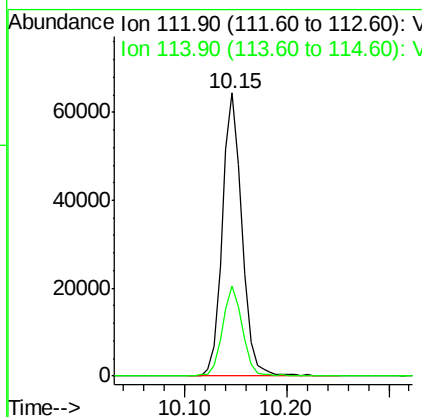
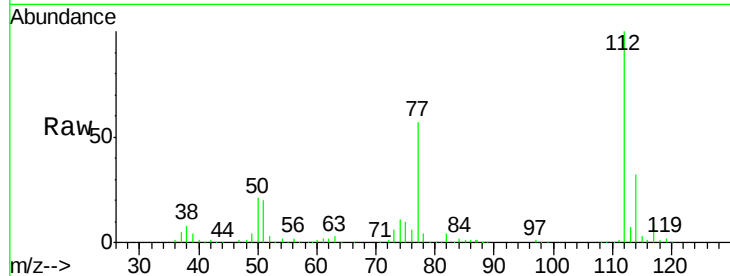
#65
Chlorobenzene
Concen: 19.36 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion:112 Resp: 86137
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

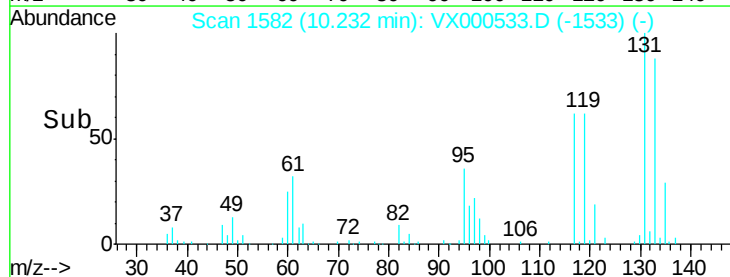
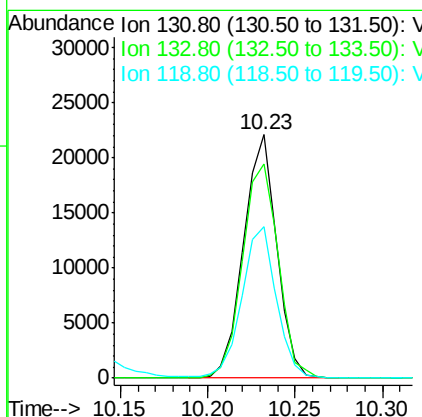
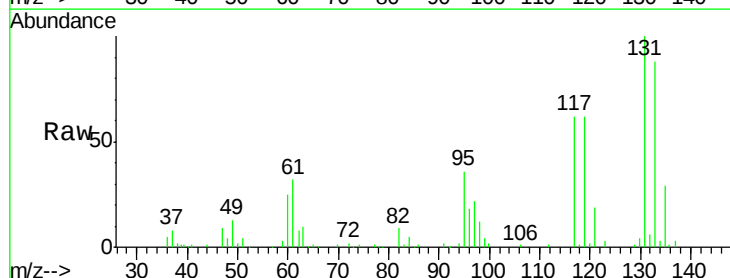
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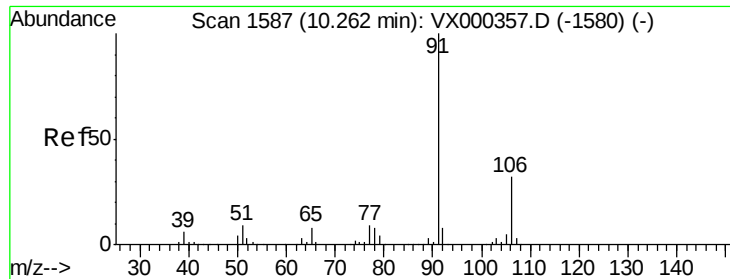
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.38 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion:131 Resp: 29283
Ion Ratio Lower Upper
131 100
133 95.1 47.1 141.3
119 65.0 33.1 99.2





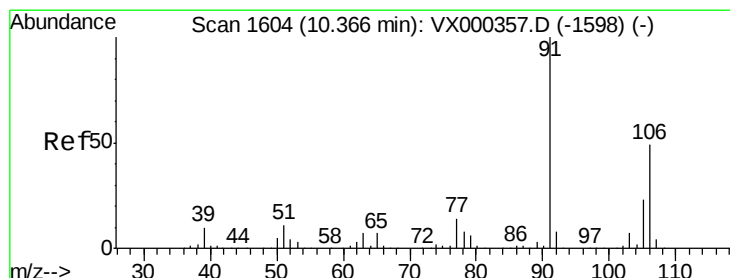
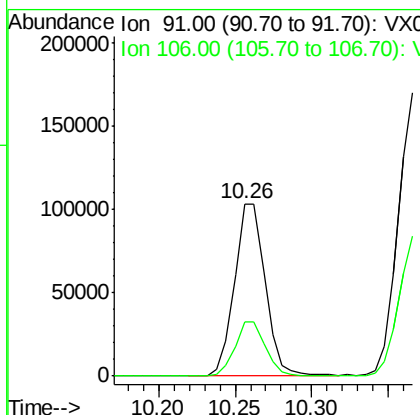
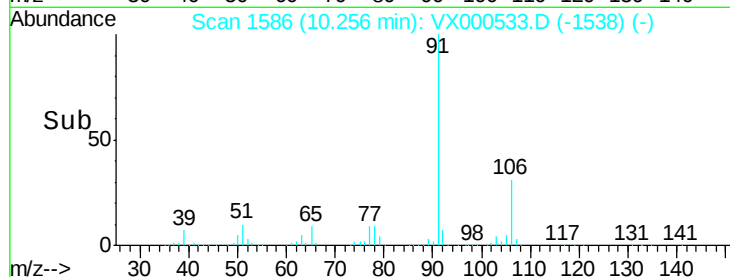
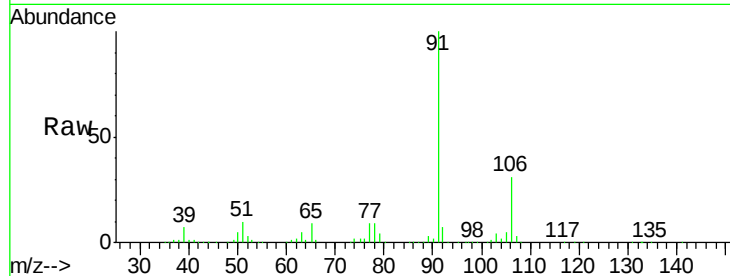
#67
Ethyl Benzene
Concen: 19.20 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion: 91 Resp: 144818
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6

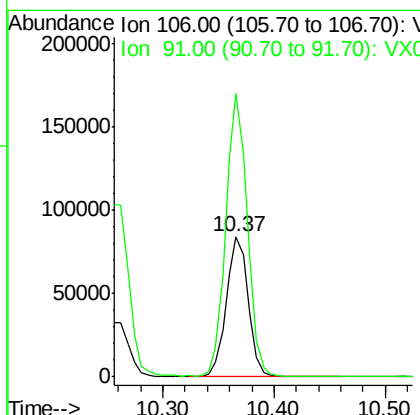
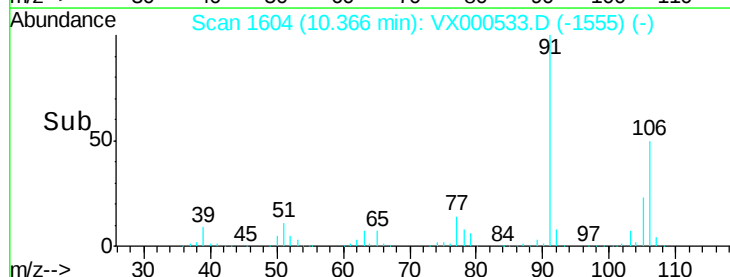
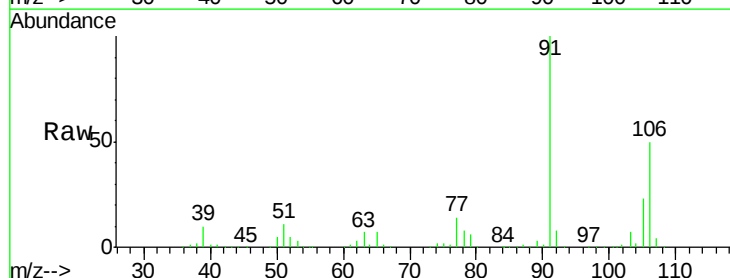
Manual Integrations
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sam
3/30/2018 4:10:40 PM



#68
m/p-Xylenes
Concen: 38.59 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion: 106 Resp: 114534
Ion Ratio Lower Upper
106 100
91 198.3 163.4 245.2





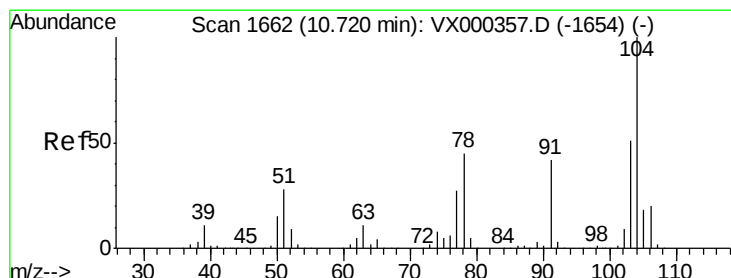
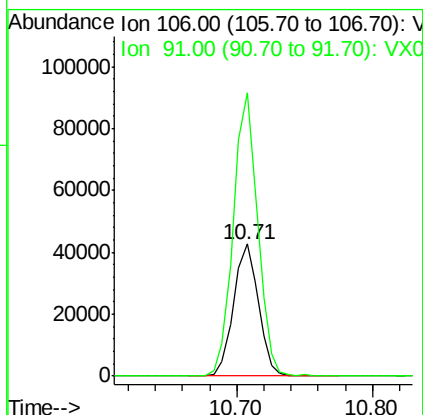
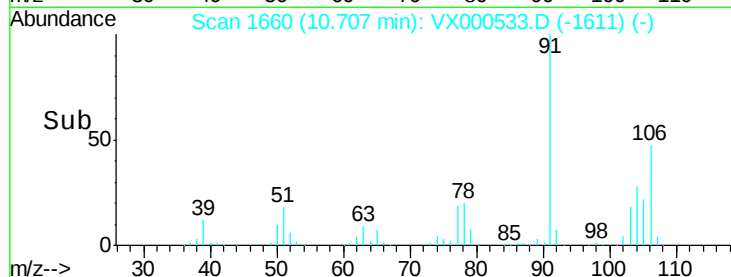
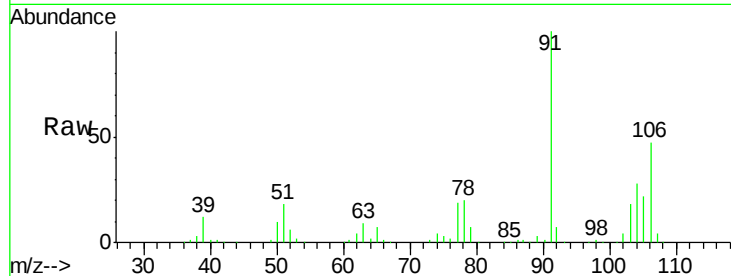
#69
o-Xylene
Concen: 18.95 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampled :
VX0329WBS02

Tot Ion:106 Resp: 54445
Ion Ratio Lower Upper
106 100
91 210.9 106.5 319.6

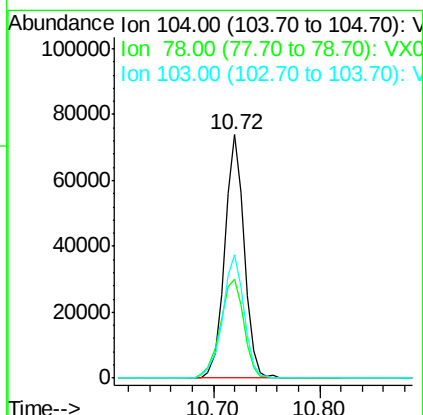
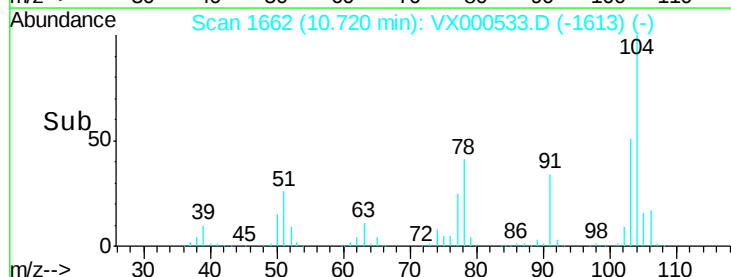
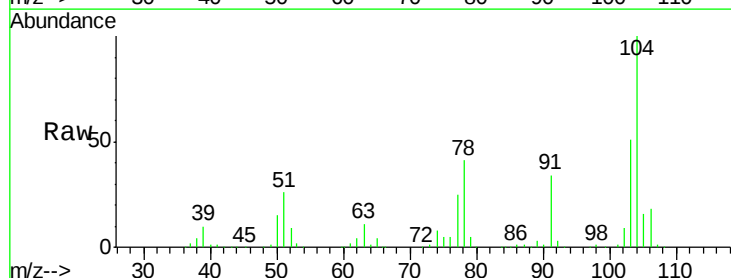
Manual Integrations
APPROVED

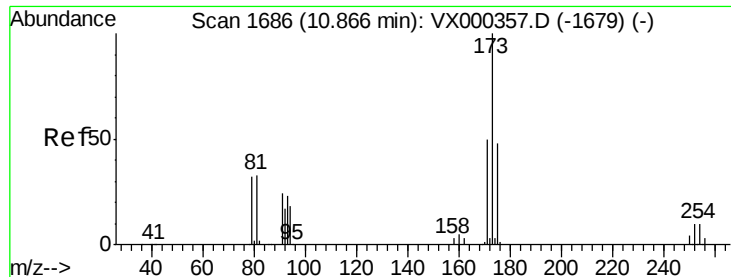
sam
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#70
Styrene
Concen: 19.96 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion:104 Resp: 94915
Ion Ratio Lower Upper
104 100
78 48.8 40.5 60.7
103 55.0 45.7 68.5





#71

Bromoform

Concen: 18.29 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion:173 Resp: 23532

Ion Ratio Lower Upper

173 100

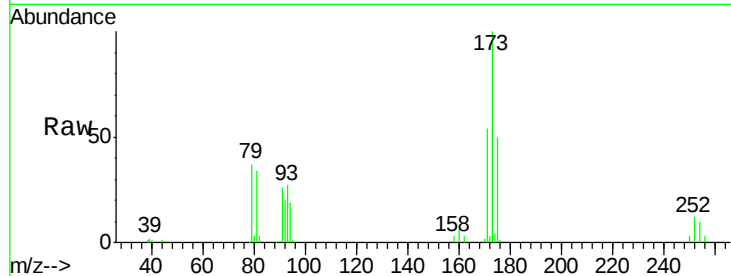
175 49.3 25.4 76.4

254 0.0 0.0 0.0

Manual Integrations
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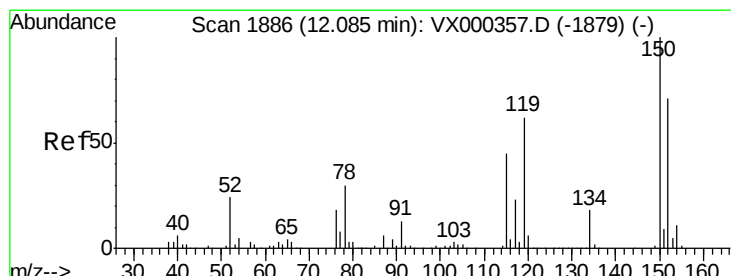
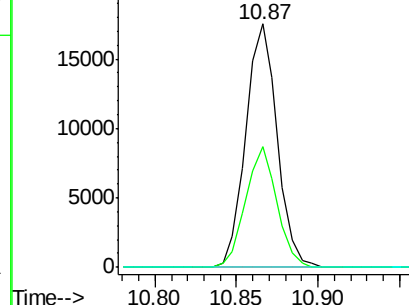
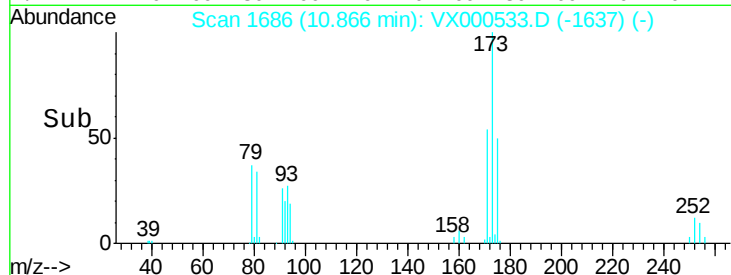
3/30/2018 4:10:40 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

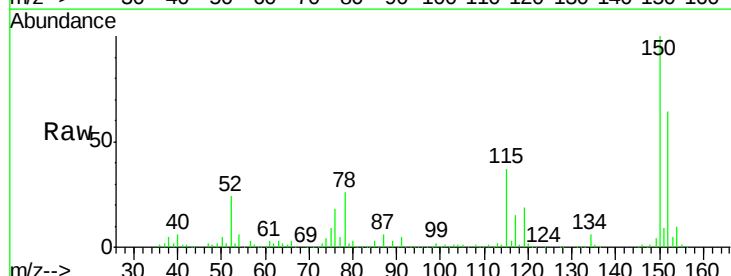
Tgt Ion:152 Resp: 116136

Ion Ratio Lower Upper

152 100

115 66.2 39.8 119.3

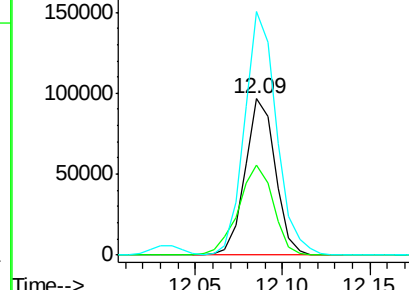
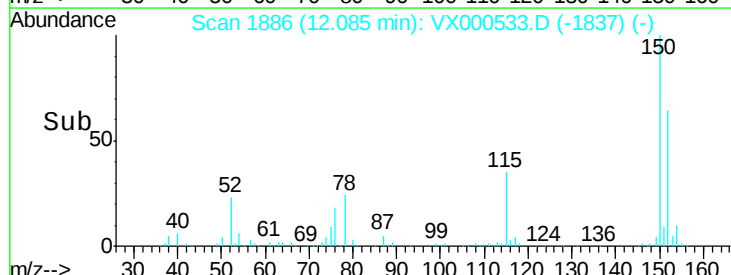
150 164.3 0.0 344.4

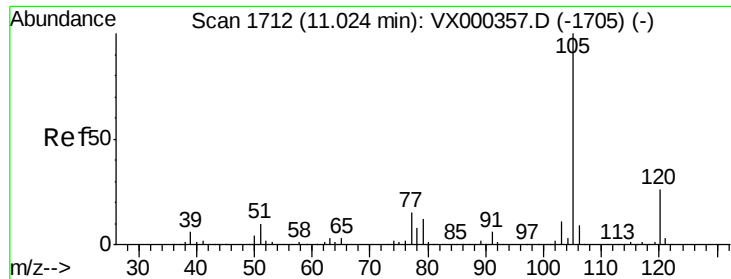


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.72 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampled :

VX0329WBS02

Tot Ion: 105 Resp: 151739

Ion Ratio Lower Upper

105 100

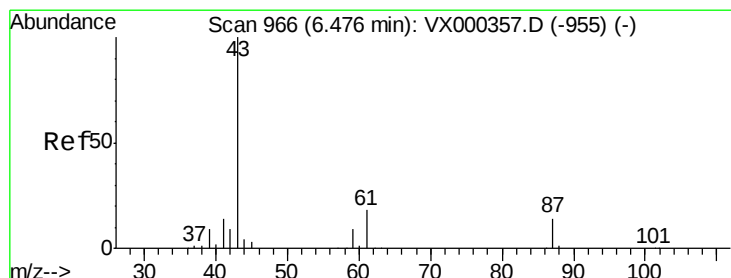
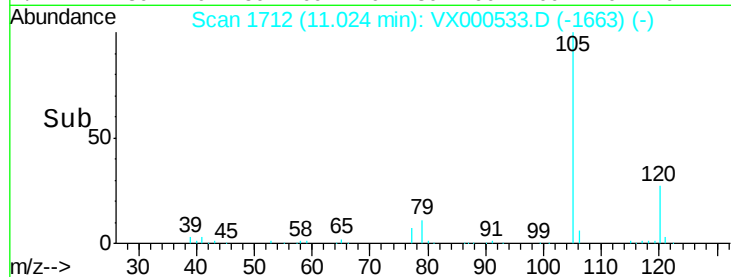
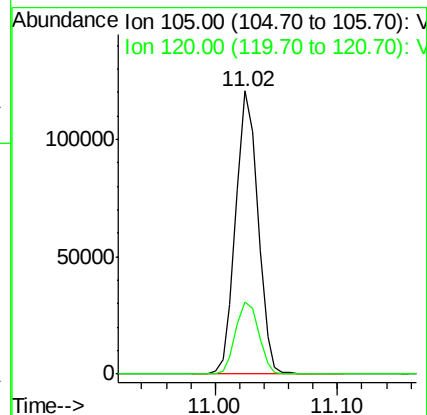
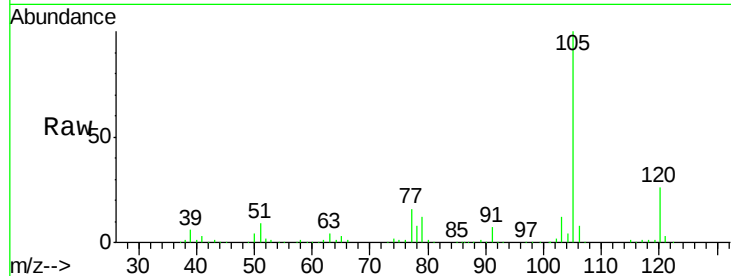
120 26.6 13.6 40.7

Manual Integrations

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sam

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#74

N-ethyl acetate

Concen: 19.93 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Tgt Ion: 43 Resp: 73498

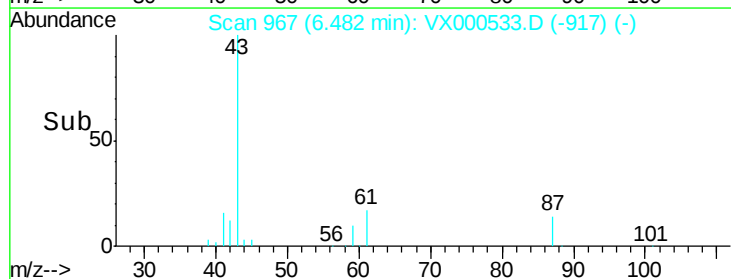
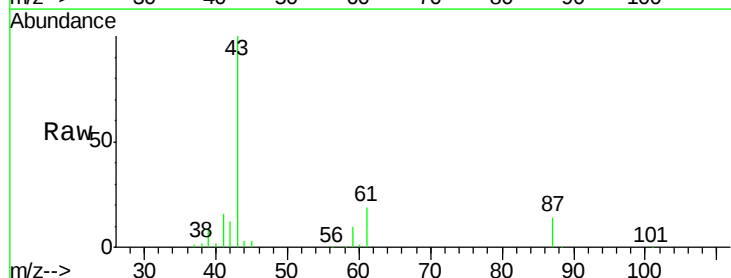
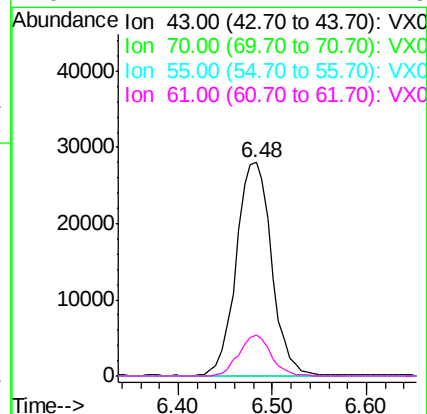
Ion Ratio Lower Upper

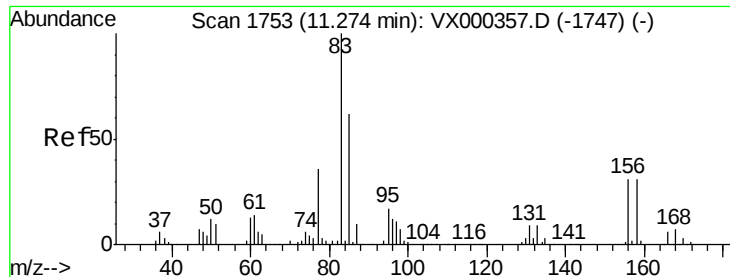
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 17.4 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.14 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 83 Resp: 54808

Ion Ratio Lower Upper

83 100

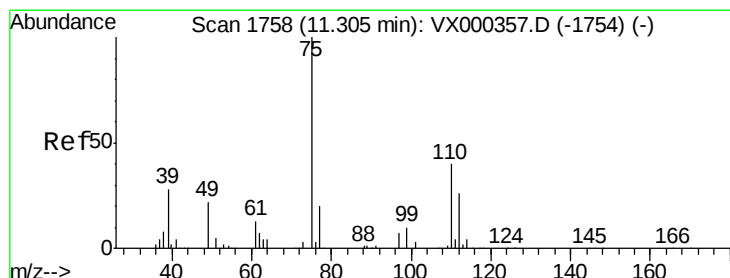
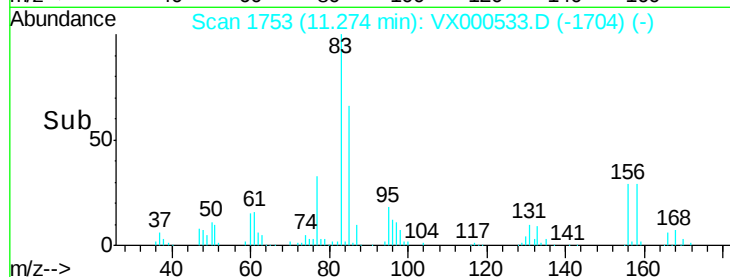
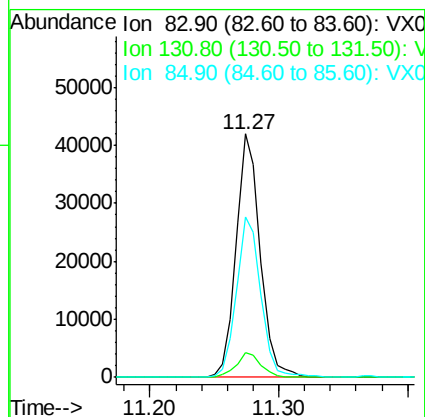
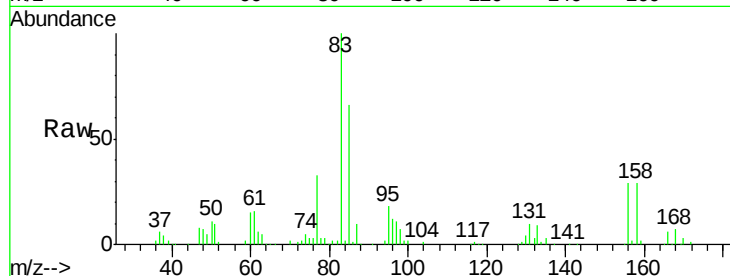
131 10.3 5.0 14.9

85 66.6 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 20.12 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000533.D

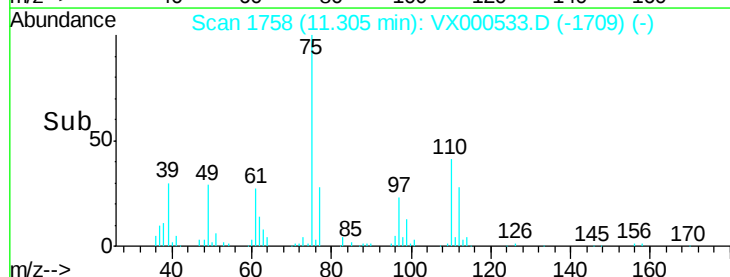
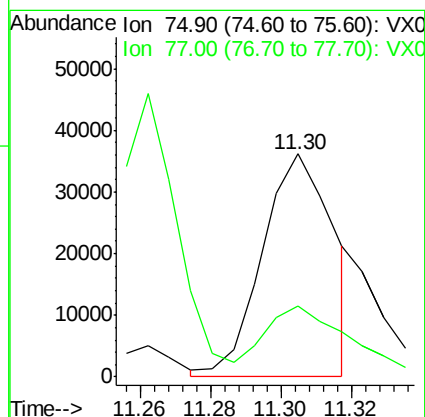
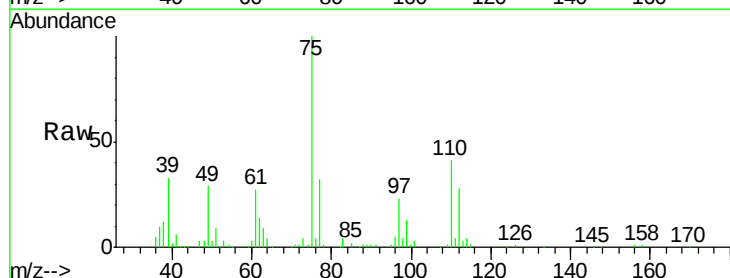
Acq: 30 Mar 2018 00:55

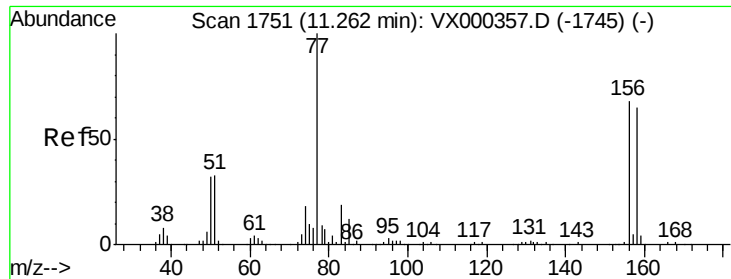
Tgt Ion: 75 Resp: 50209

Ion Ratio Lower Upper

75 100

77 38.7 21.4 64.2





#77

Bromobenzene

Concen: 18.84 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

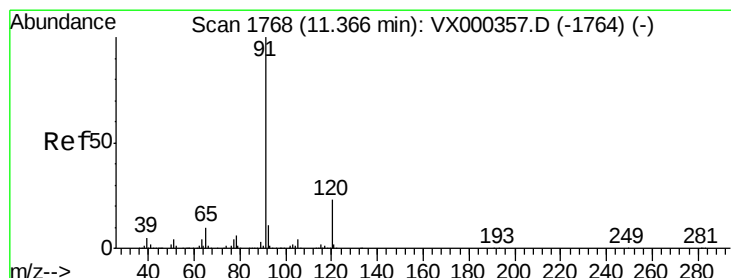
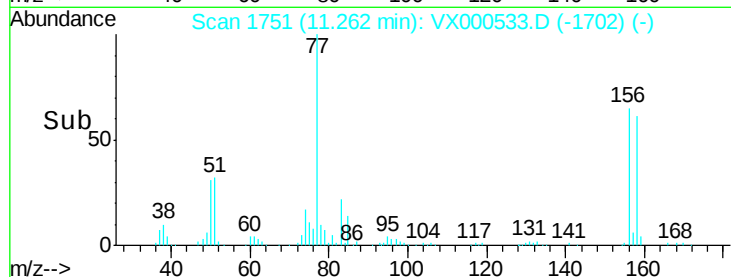
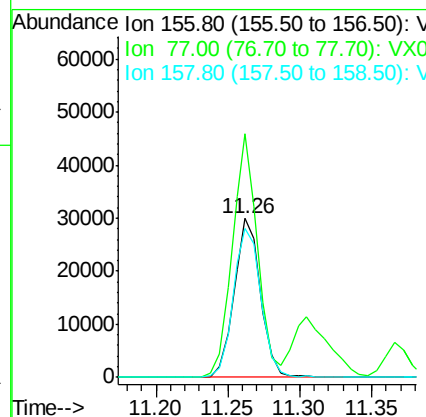
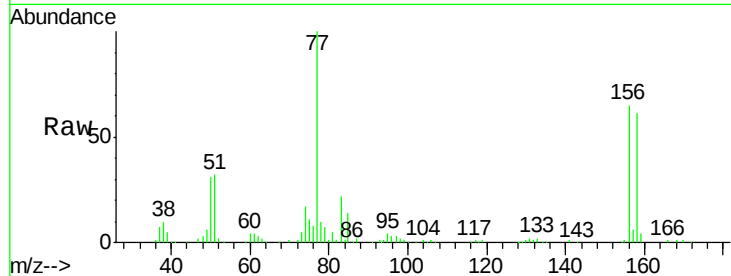
ClientSampleId :

VX0329WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		38616		
77	146.5	73.4	220.2		
158	97.8	48.5	145.6		

Manual Integrations
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3/30/2018 4:10:40 PM



#78

n-propylbenzene

Concen: 19.77 ug/l

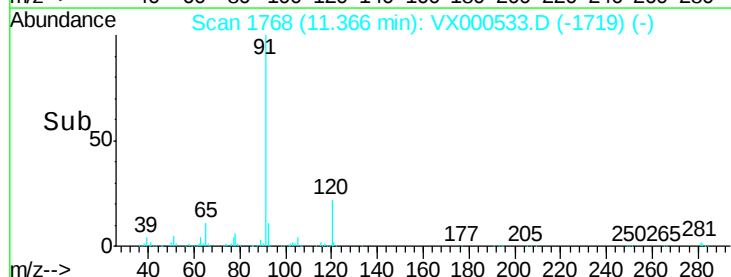
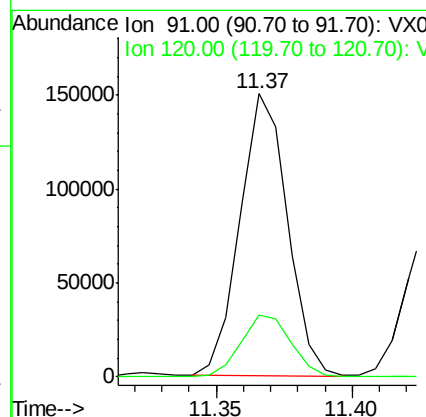
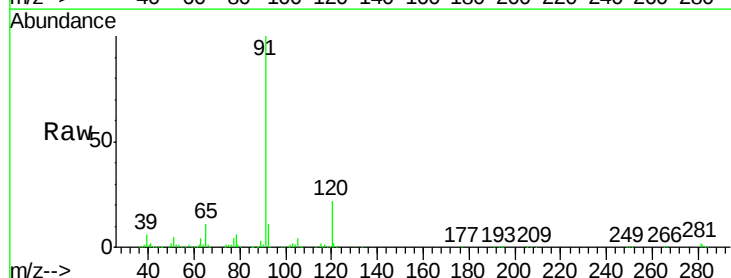
RT: 11.37 min Scan# 1768

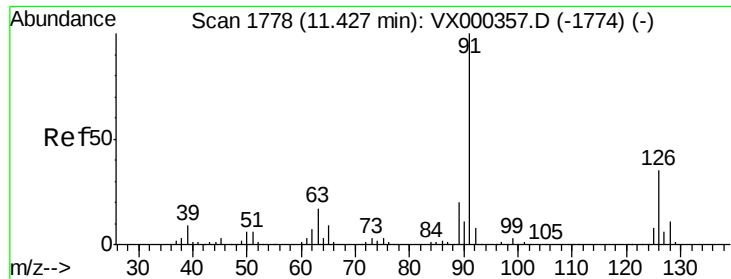
Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		181364		
120	23.2	11.8	35.3		





#79

2-Chlorotoluene

Concen: 19.39 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 91 Resp: 102764

Ion Ratio Lower Upper

91 100

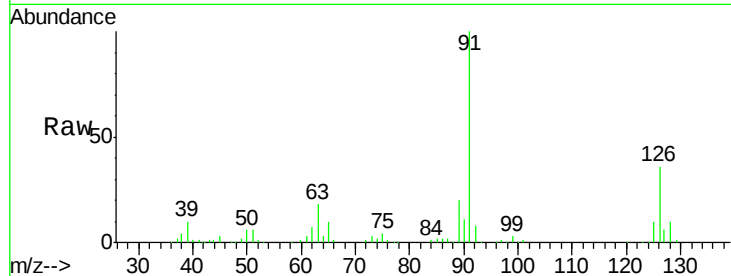
126 35.3 17.7 53.1

Manual Integrations

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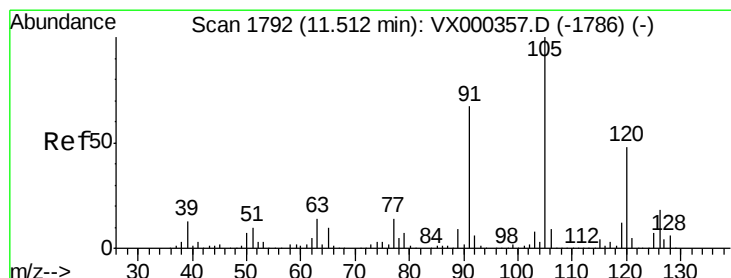
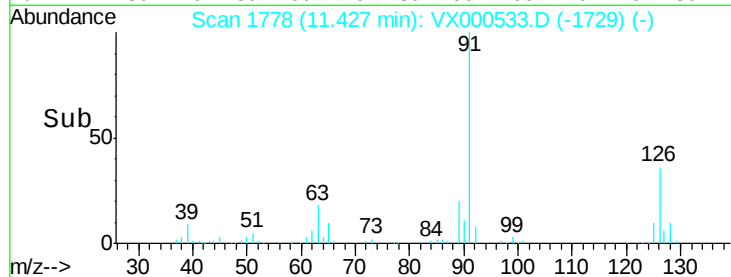
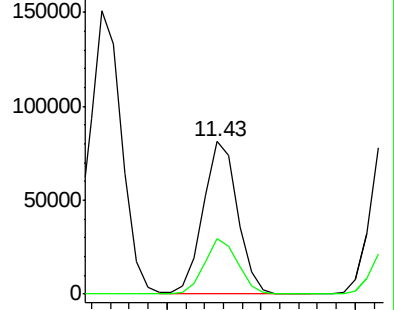
sam

3/30/2018 4:10:40 PM



Abundance Ion 91.00 (90.70 to 91.70): VX000533.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000533.D (-1774) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.16 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000533.D

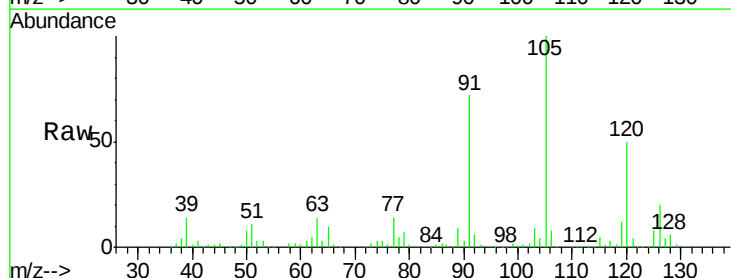
Acq: 30 Mar 2018 00:55

Tgt Ion: 105 Resp: 130405

Ion Ratio Lower Upper

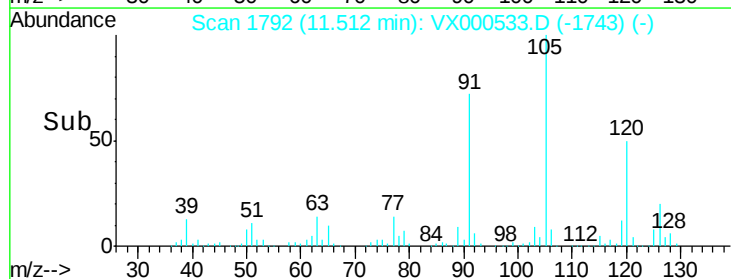
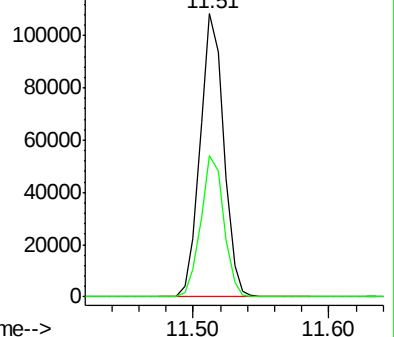
105 100

120 48.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000533.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000533.D (-1786) (-)





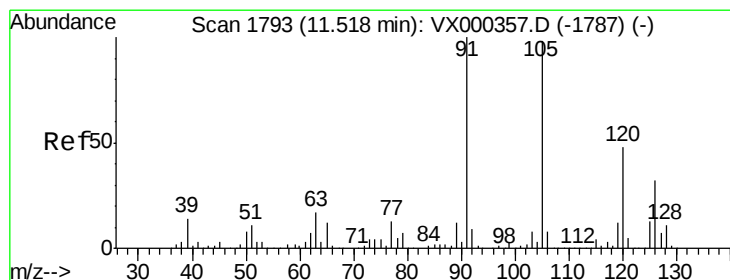
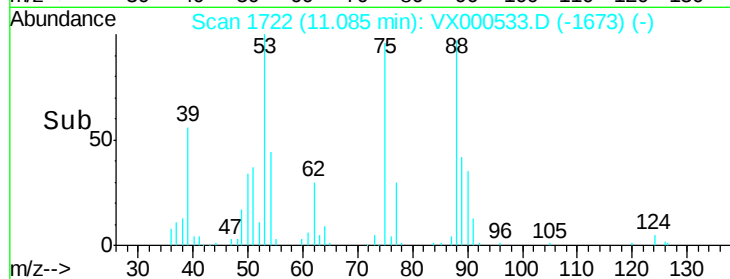
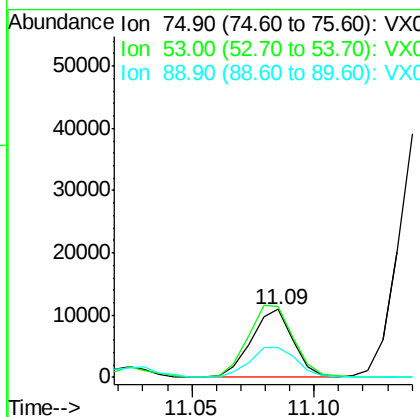
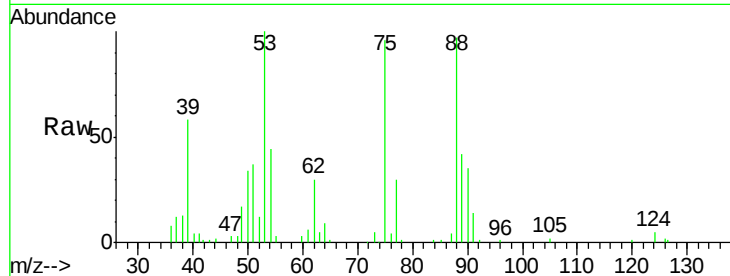
#81
trans-1,4-Dichloro-2-butene
Concen: 16.90 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.4	80.7	121.1
89	49.4	39.4	59.0

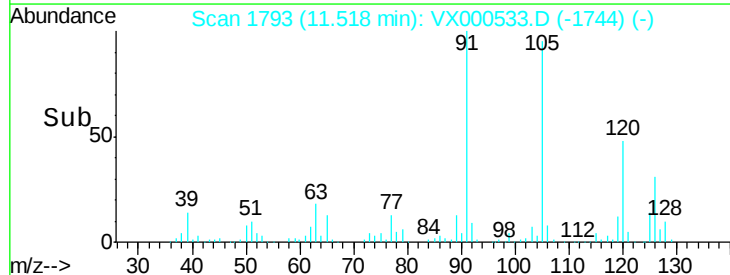
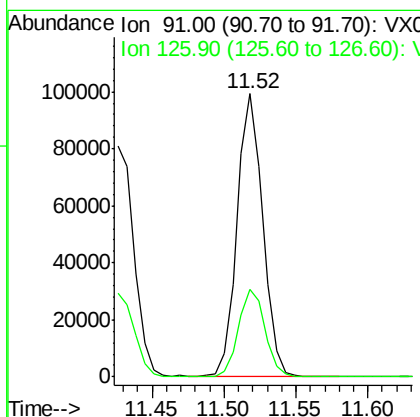
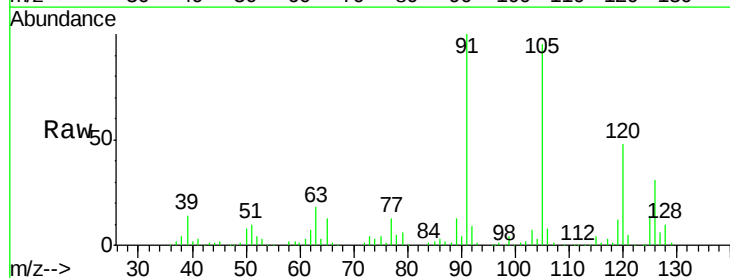
Manual Integrations
APPROVED

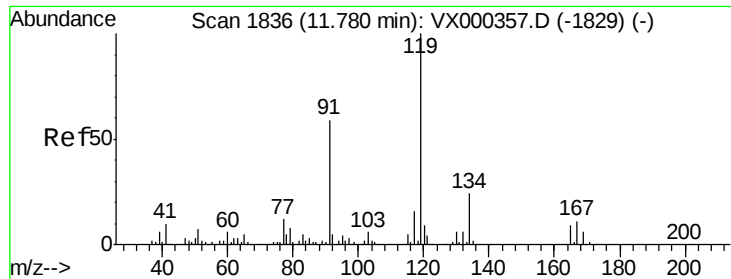
sam
3/30/2018 4:10:40 PM



#82
4-Chlorotoluene
Concen: 19.53 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.4	46.1





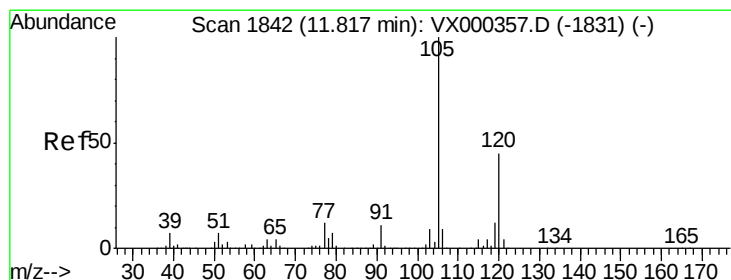
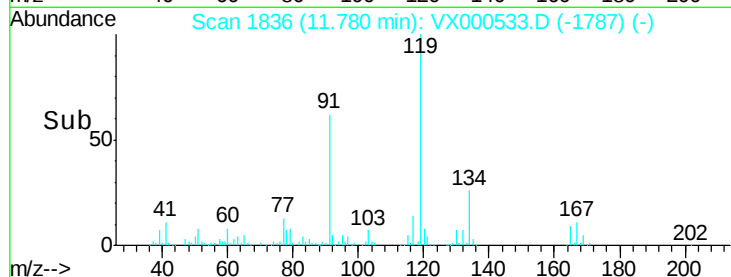
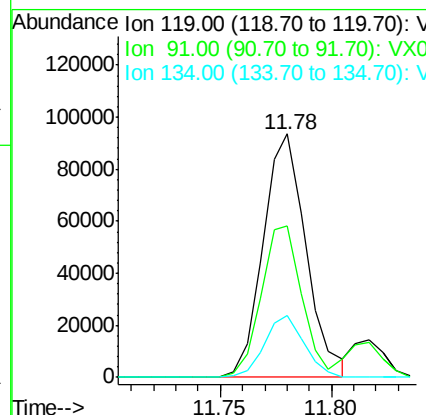
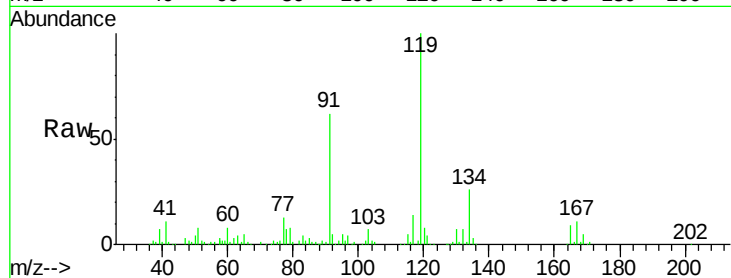
#83
 tert-Butylbenzene
 Concen: 19.18 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	125125		
91	59.1	28.8	86.4	
134	23.6	11.4	34.1	

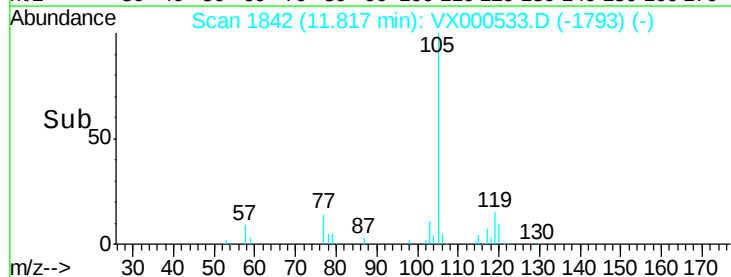
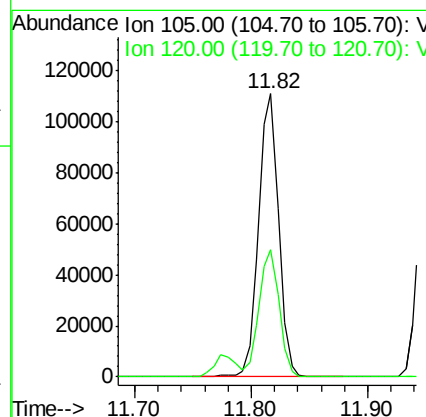
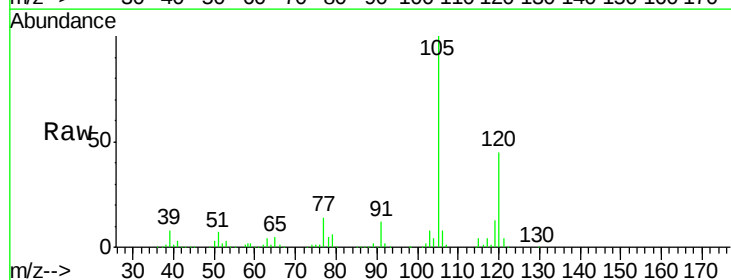
Manual Integrations
 APPROVED

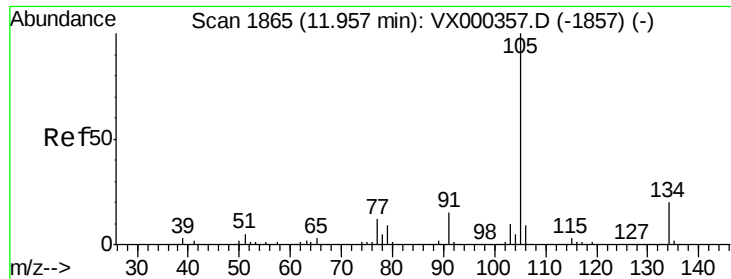
sam
 3/30/2018 4:10:40 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.72 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	133751		
120	45.1	22.4	67.3	





#85

sec-Butylbenzene

Concen: 19.65 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

ClientSampled :

VX0329WBS02

Tot Ion:105 Resp: 158620

Ion Ratio Lower Upper

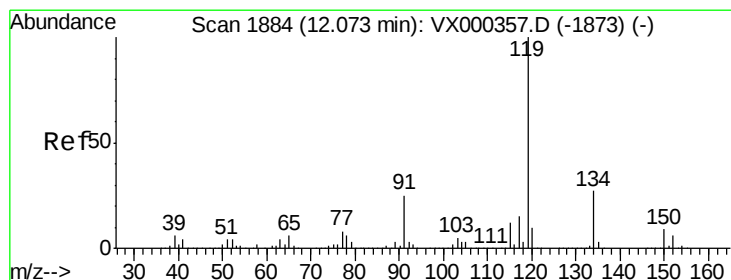
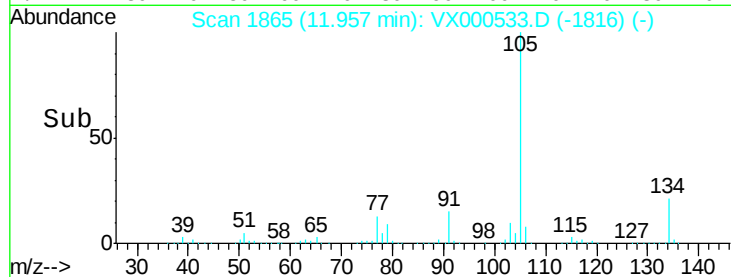
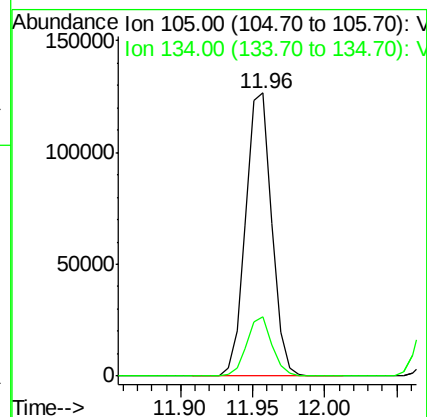
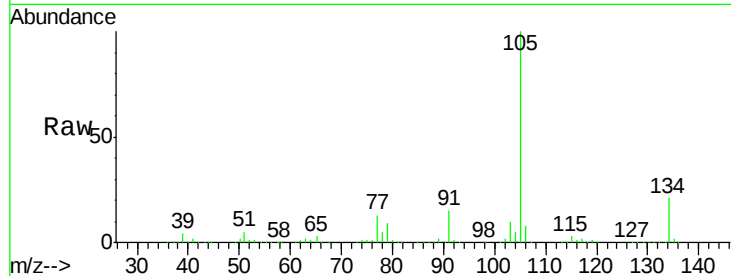
105 100

134 20.2 10.3 30.8

Manual Integrations
APPROVED

sam

3/30/2018 4:10:40 PM



#86

p-Isopropyltoluene

Concen: 19.97 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

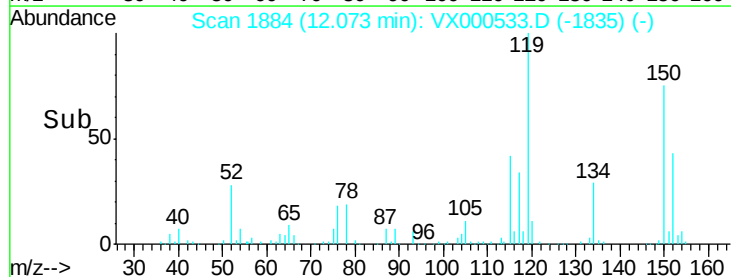
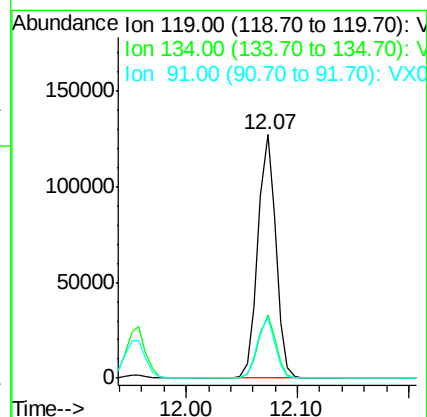
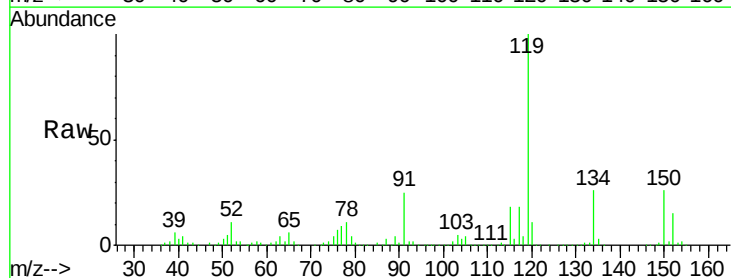
Tgt Ion:119 Resp: 143198

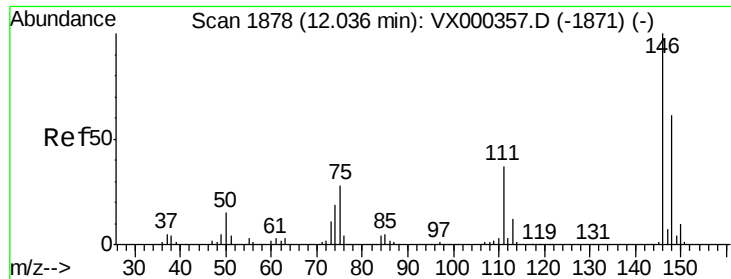
Ion Ratio Lower Upper

119 100

134 25.6 13.3 39.9

91 24.9 12.0 36.1





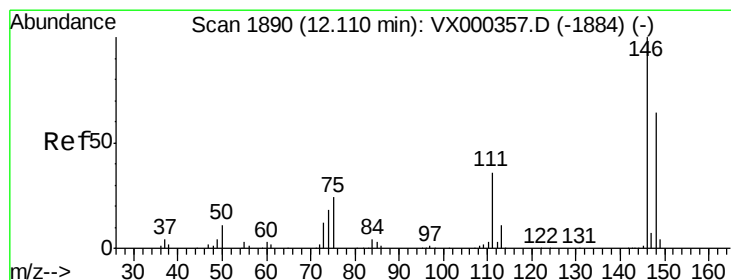
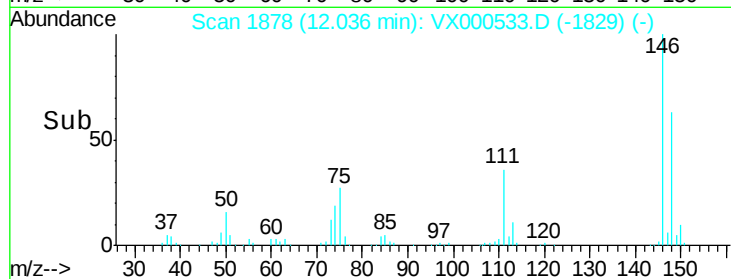
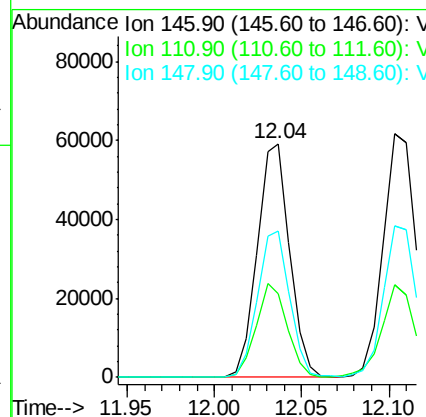
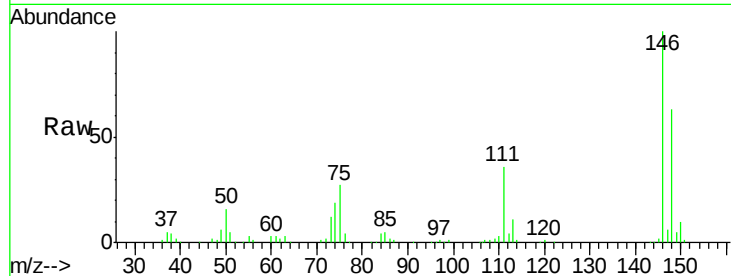
#87
 1,3-Dichlorobenzene
 Concen: 19.59 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	62.4	32.4	97.0

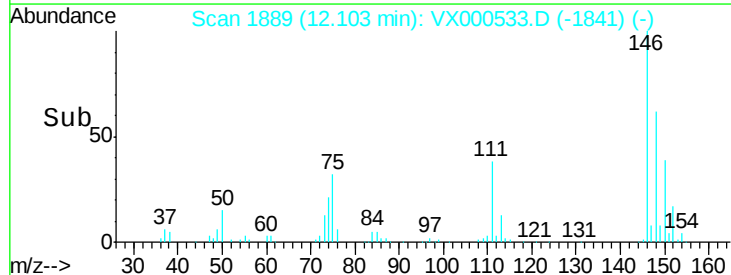
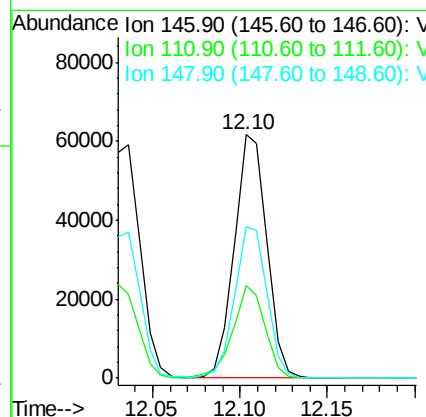
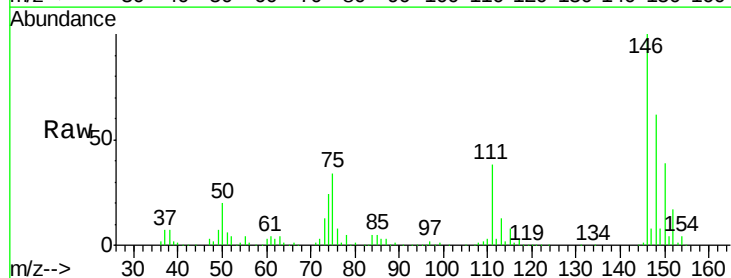
Manual Integrations
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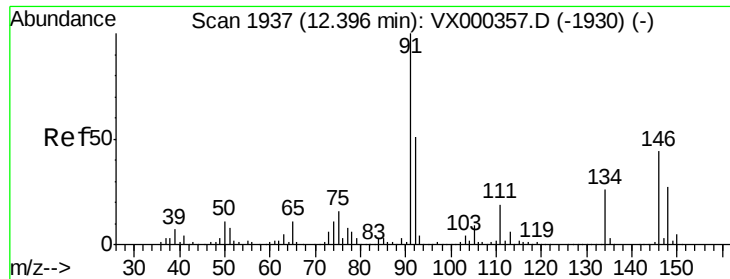
sam
 3/30/2018 4:10:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.55 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.9
148	62.0	31.0	93.0





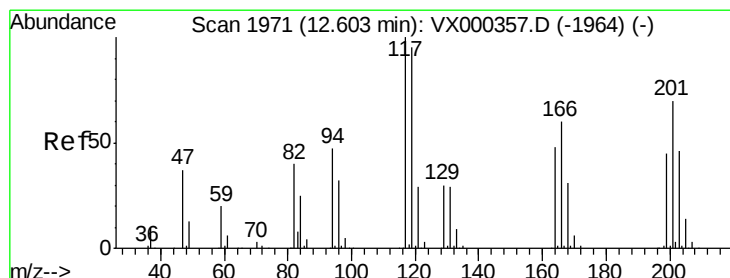
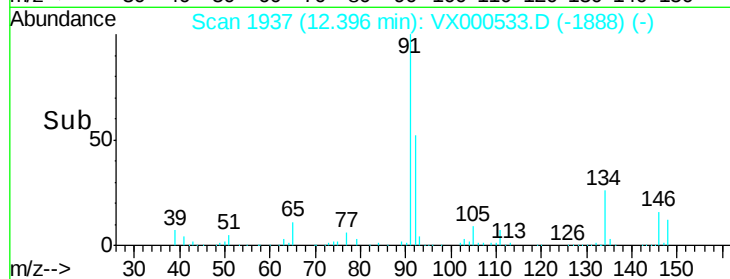
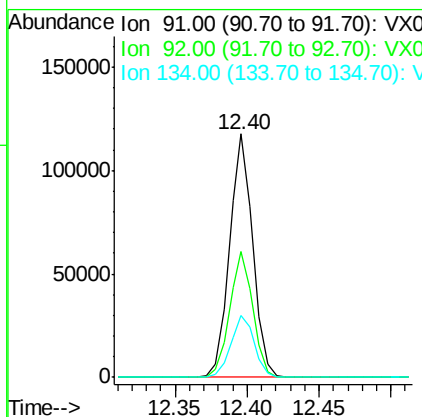
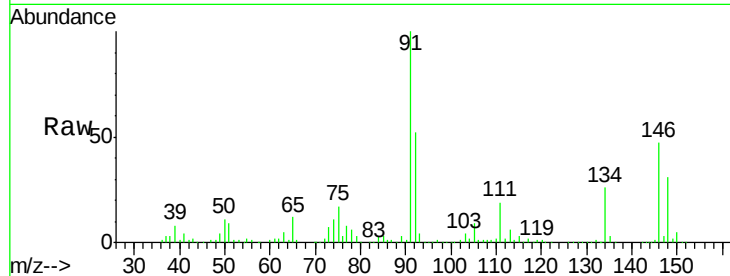
#89
n-Butylbenzene
Concen: 19.87 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.8
134	26.0	13.1	39.3

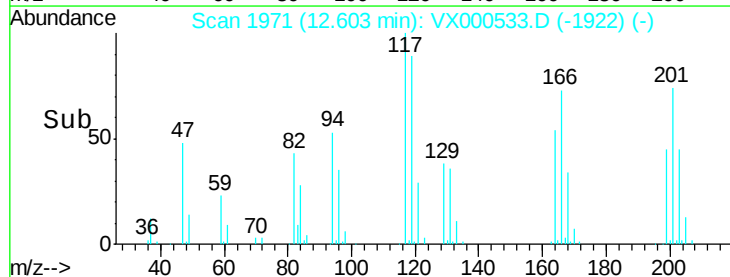
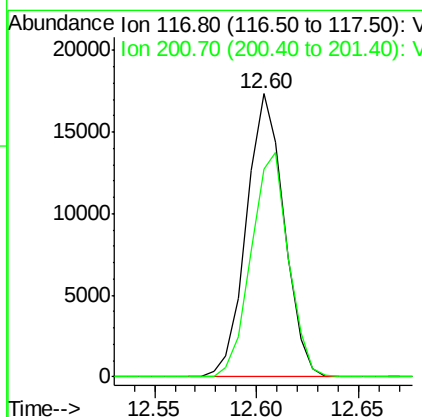
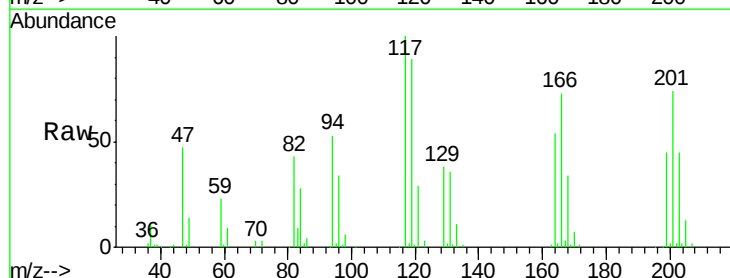
Manual Integrations
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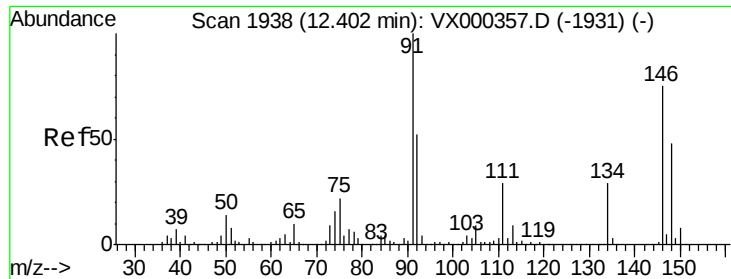
sam
3/30/2018 4:10:40 PM



#90
Hexachloroethane
Concen: 19.71 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000533.D
Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	37.9	113.6





#91

1,2-Dichlorobenzene

Concen: 19.94 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

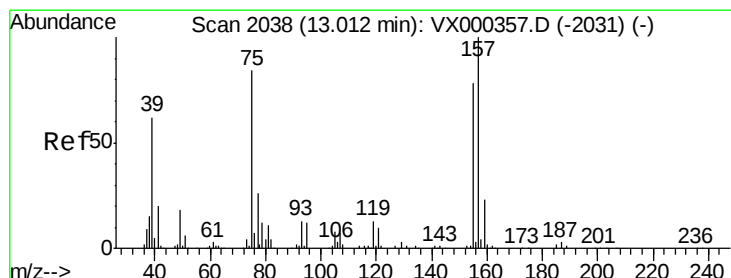
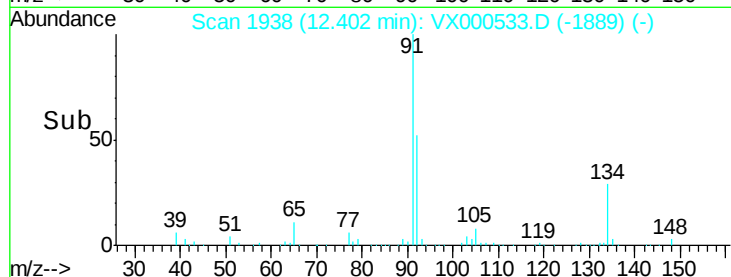
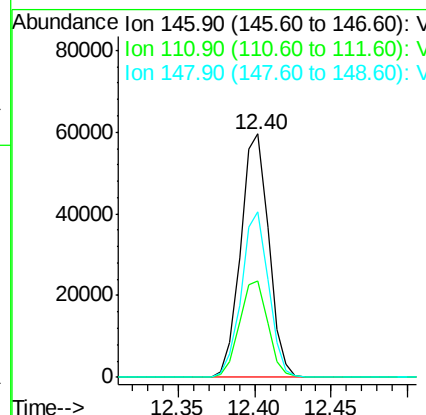
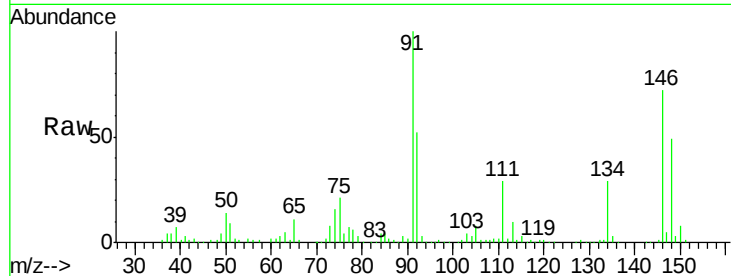
ClientSampleId :

VX0329WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	65.8	31.2	93.6

Manual Integrations
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sam
3/30/2018 4:10:40 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.47 ug/l

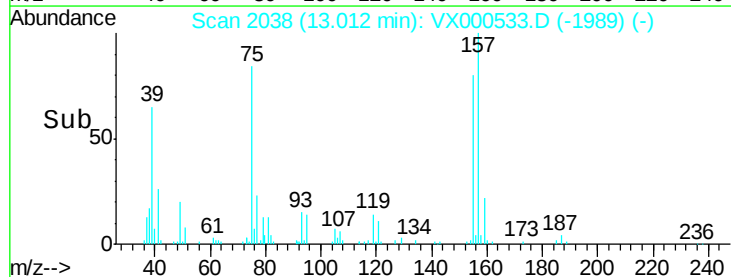
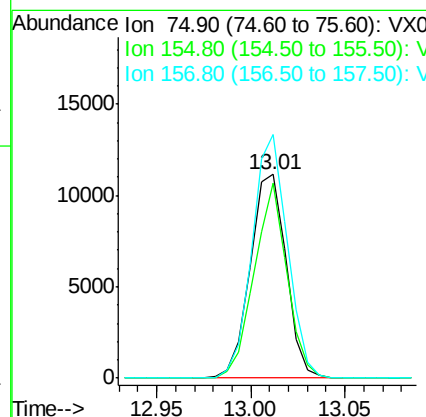
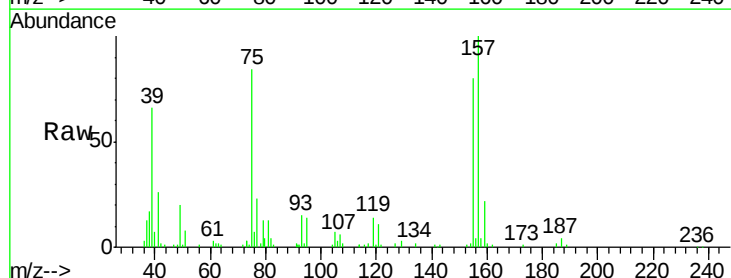
RT: 13.01 min Scan# 2038

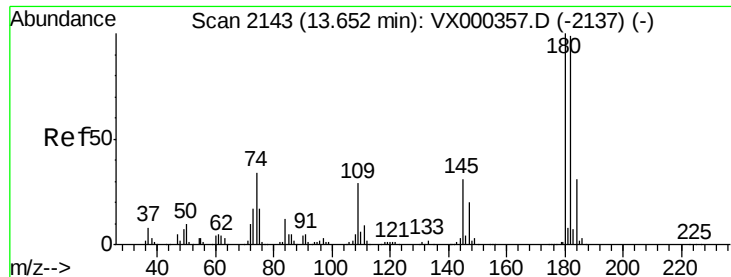
Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	45.0	134.8
157	116.7	58.1	174.2





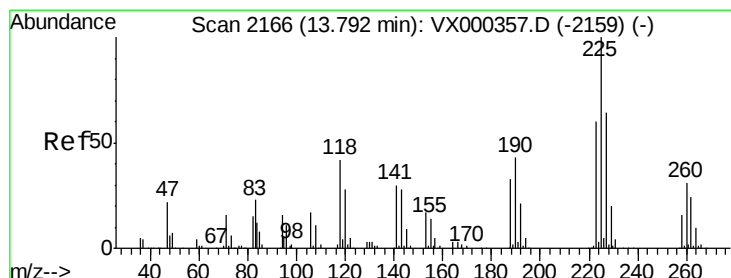
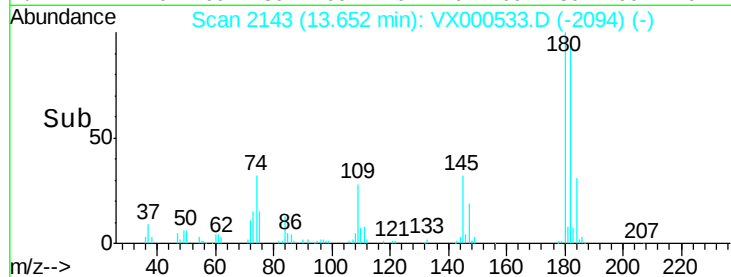
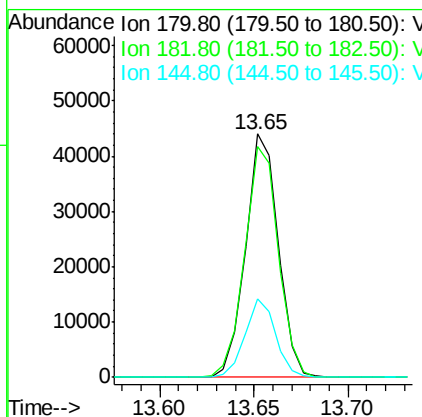
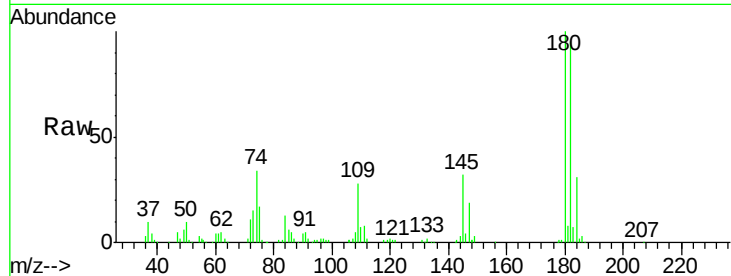
#93
 1,2,4-Trichlorobenzene
 Concen: 19.43 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.6	142.9
145	30.4	15.1	45.3

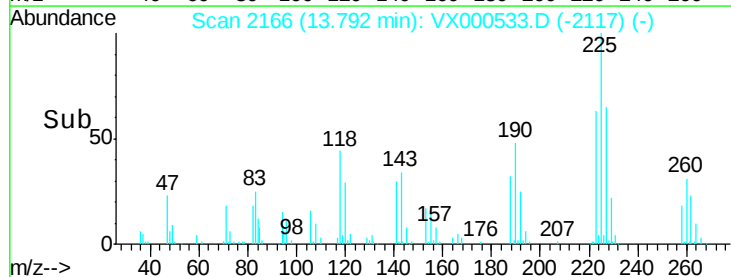
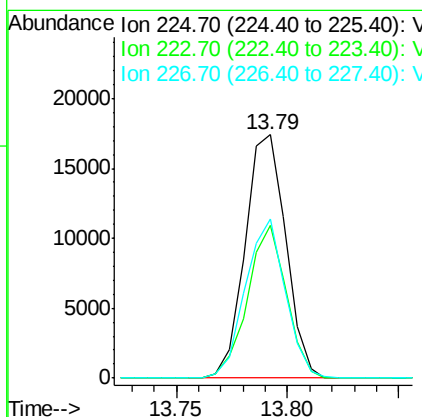
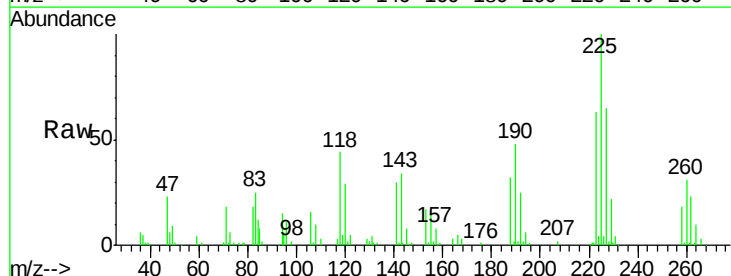
Manual Integrations
 APPROVED

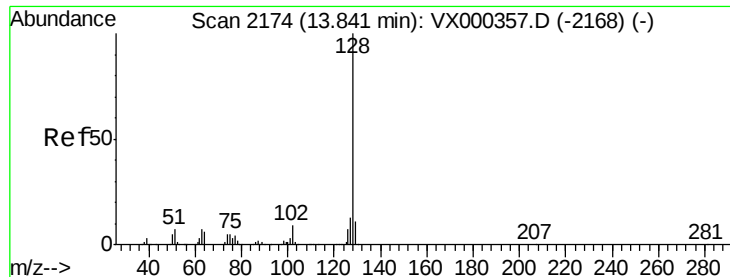
sam
 3/30/2018 4:10:40 PM



#94
 Hexachlorobutadiene
 Concen: 19.69 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000533.D
 Acq: 30 Mar 2018 00:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.8	32.0	96.0
227	63.8	32.6	98.0





#95

Naphthalene

Concen: 20.52 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Instrument :

MSVOA_X

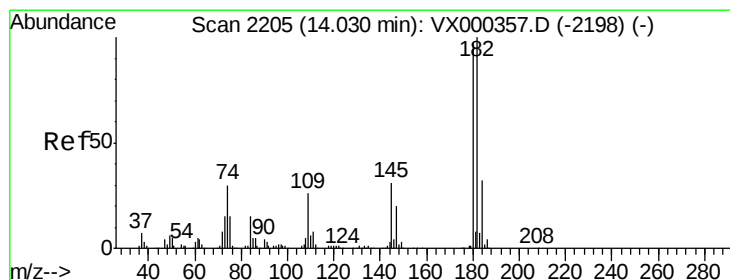
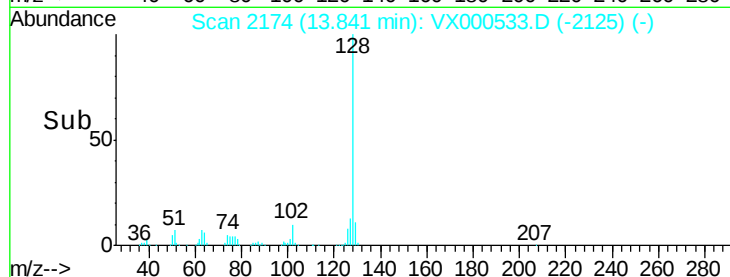
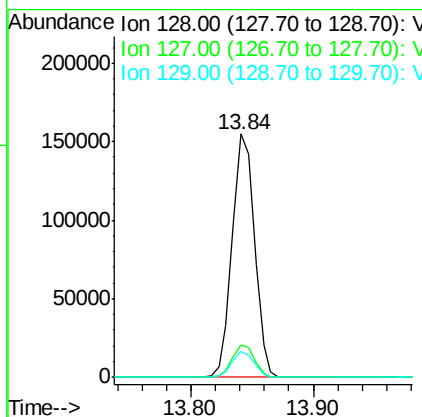
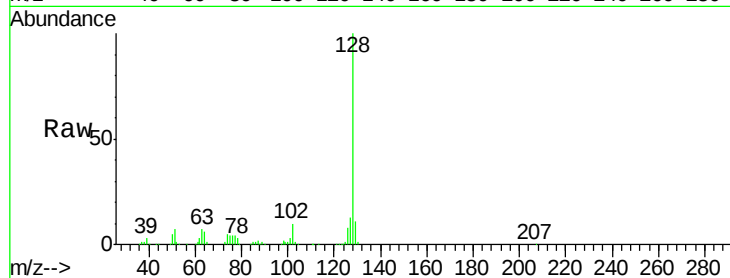
ClientSampleId :

VX0329WBS02

Tot Ion:	128	Resp:	194709
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	10.5	8.9	13.3

Manual Integrations
APPROVED

sam
3/30/2018 4:10:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.83 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000533.D

Acq: 30 Mar 2018 00:55

Tgt Ion:	180	Resp:	56080
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.4	142.3
145	30.1	15.8	47.3

