

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
 Data File : VX000357.D
 Acq On : 20 Mar 2018 11:44
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

sam
 3/21/2018 11:44:40 AM

Quant Time: Mar 20 12:13:26 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 20 12:07:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	122961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	205608	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	200916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	121725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	85294	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	5.51	113	67654	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	8.73	98	264257	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.15	95	103994	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	65669	49.58	ug/l	97
3) Chloromethane	1.32	50	67446	49.95	ug/l	97
4) Vinyl Chloride	1.41	62	73923	48.88	ug/l	96
5) Bromomethane	1.64	94	100016	59.26	ug/l	97
6) Chloroethane	1.73	64	50461	46.95	ug/l	100
7) Trichlorofluoromethane	1.93	101	132396	50.41	ug/l	98
8) Diethyl Ether	2.20	74	47050	50.32	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	72154	51.02	ug/l	97
10) Methyl Iodide	2.52	142	76133	53.27	ug/l	100
11) Tert butyl alcohol	3.07	59	139818	254.04	ug/l	99
12) 1,1-Dichloroethene	2.38	96	67251	50.10	ug/l	97
13) Acrolein	2.30	56	43016	181.66	ug/l	100
14) Allyl chloride	2.73	41	123000	51.39	ug/l	99
15) Acrylonitrile	3.15	53	273464	257.69	ug/l	99
16) Acetone	2.45	43	328723	289.42	ug/l	100
17) Carbon Disulfide	2.57	76	181180	46.21	ug/l	100
18) Methyl Acetate	2.79	43	138698	54.57	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	245312	51.91	ug/l	97
20) Methylene Chloride	2.87	84	73739	50.15	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	71466	48.16	ug/l	95
22) Diisopropyl ether	3.89	45	191746	48.13	ug/l	93
23) Vinyl Acetate	3.84	43	1025233	270.02	ug/l	98
24) 1,1-Dichloroethane	3.71	63	133016	53.08	ug/l	99
25) 2-Butanone	4.71	43	378379	278.73	ug/l	96
26) 2,2-Dichloropropane	4.60	77	95875	53.00	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	69120	50.99	ug/l	98
28) Bromochloromethane	5.03	49	59598	56.58	ug/l	99
29) Tetrahydrofuran	5.18	42	238350	272.80	ug/l	99
30) Chloroform	5.23	83	129864	54.89	ug/l	95
31) Cyclohexane	5.59	56	101394	52.73	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	114436	54.73	ug/l	98
36) 1,1-Dichloropropene	5.81	75	92447	49.48	ug/l	98
37) Ethyl Acetate	4.87	43	129575	52.19	ug/l	100
38) Carbon Tetrachloride	5.79	117	100244	53.22	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	113411	52.05	ug/l	97
40) Benzene	6.15	78	277260	52.31	ug/l	100
41) Methacrylonitrile	5.07	41	65223	50.03	ug/l	97
42) 1,2-Dichloroethane	6.21	62	108302	51.55	ug/l	99
43) Isopropyl Acetate	6.48	43	197957	55.24	ug/l	99
44) Trichloroethene	7.23	130	75596	49.22	ug/l	96
45) 1,2-Dichloropropane	7.53	63	71819	54.94	ug/l	100
46) Dibromomethane	7.67	93	54520	51.92	ug/l	98
47) Bromodichloromethane	7.91	83	102618	55.05	ug/l	99
48) Methyl methacrylate	7.79	41	96284	53.14	ug/l	99
49) 1,4-Dioxane	7.77	88	39636	972.27	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	753093	270.61	ug/l	99
52) Toluene	8.79	92	188210	50.55	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	116494	54.15	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	114595	54.47	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	78560	52.59	ug/l	97
56) Ethyl methacrylate	9.19	69	121492	54.92	ug/l	99
57) 1,3-Dichloropropane	9.38	76	125505	51.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	300801	295.71	ug/l	98
59) 2-Hexanone	9.51	43	638997	272.53	ug/l	99
60) Dibromochloromethane	9.59	129	85469	54.11	ug/l	99
61) 1,2-Dibromoethane	9.68	107	85919	51.89	ug/l	100
64) Tetrachloroethene	9.34	164	73937	51.53	ug/l	95
65) Chlorobenzene	10.15	112	219110	53.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	78750	57.23	ug/l	99
67) Ethyl Benzene	10.26	91	381079	54.63	ug/l	99
68) m/p-Xylenes	10.37	106	299973	110.38	ug/l	99
69) o-Xylene	10.71	106	145968	55.29	ug/l	98
70) Styrene	10.72	104	250560	57.19	ug/l	98
71) Bromoform	10.87	173	69204	57.49	ug/l #	96
73) Isopropylbenzene	11.02	105	407499	55.58	ug/l	100
74) N-amyl acetate	6.48	43	197957	56.40	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	144628	55.42	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	131520m	53.67	ug/l	
77) Bromobenzene	11.26	156	101787	52.89	ug/l	99
78) n-propylbenzene	11.37	91	475609	53.80	ug/l	99
79) 2-Chlorotoluene	11.43	91	271650	54.15	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	351109	56.22	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	43231	60.11	ug/l	97
82) 4-Chlorotoluene	11.52	91	331940	53.83	ug/l	98
83) tert-Butylbenzene	11.78	119	343390	56.36	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	365159	56.87	ug/l	99
85) sec-Butylbenzene	11.96	105	432727	56.73	ug/l	99
86) p-Isopropyltoluene	12.07	119	390583	57.54	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	200056	52.98	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	207066	52.77	ug/l	97
89) n-Butylbenzene	12.40	91	356118	53.95	ug/l	99
90) Hexachloroethane	12.60	117	62958	57.82	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	200853	54.91	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40546	57.39	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	137430	52.16	ug/l	99
94) Hexachlorobutadiene	13.79	225	58229	56.02	ug/l	99
95) Naphthalene	13.84	128	509374	55.71	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	140111	52.64	ug/l	99

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

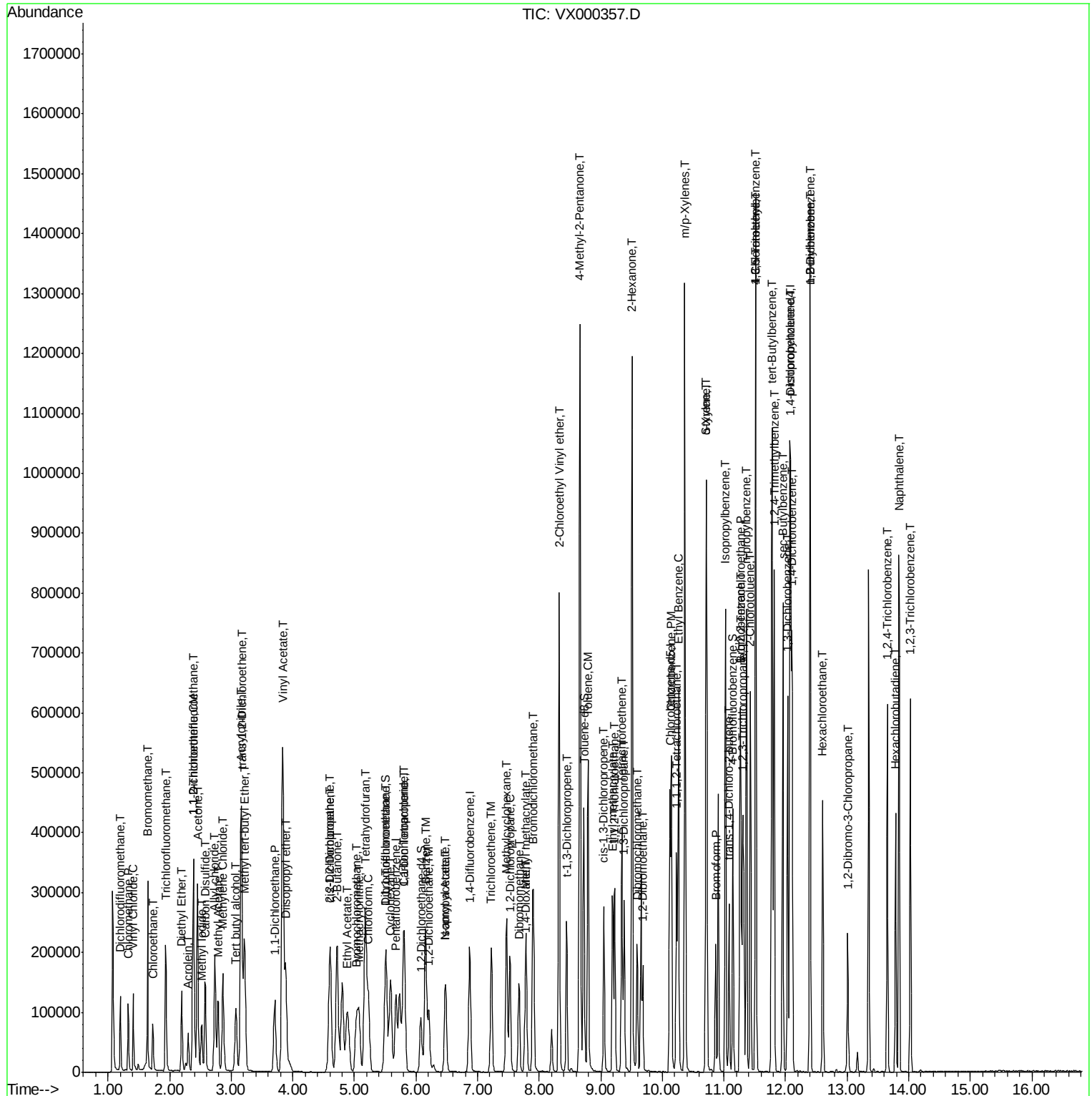
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
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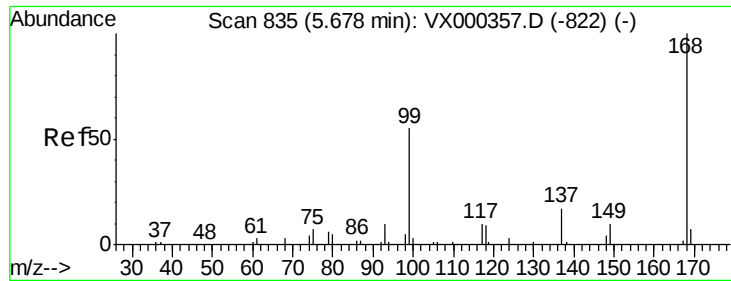
Instrument :
 MSVOA_X
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#1

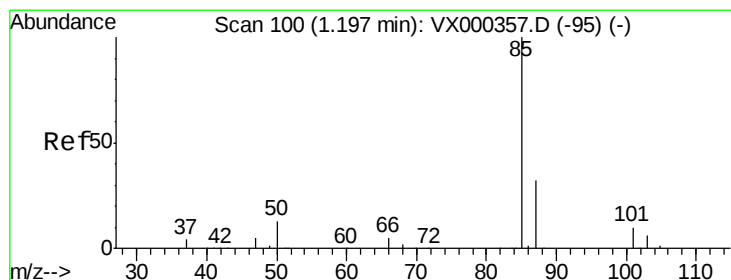
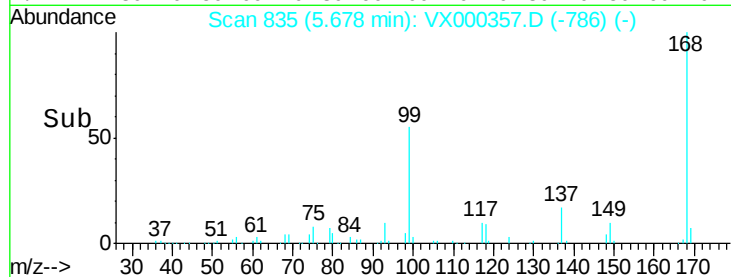
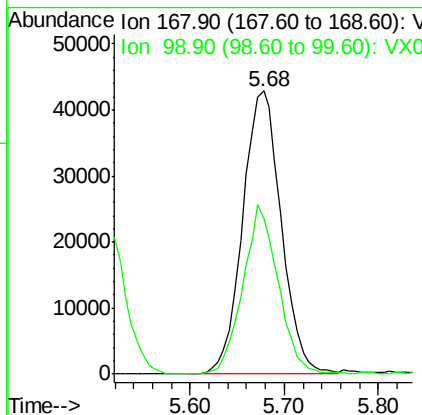
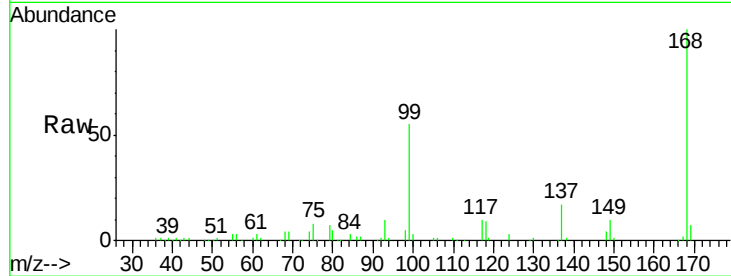
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	122961		
99	55.1	45.8	68.6	

Manual Integrations
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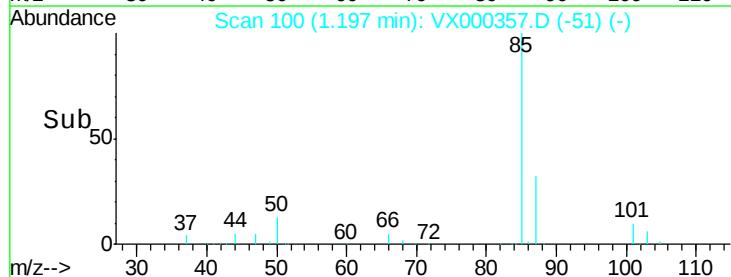
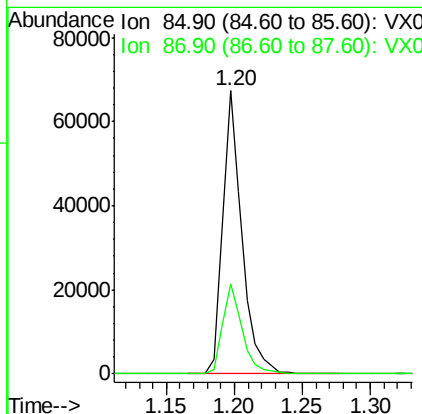
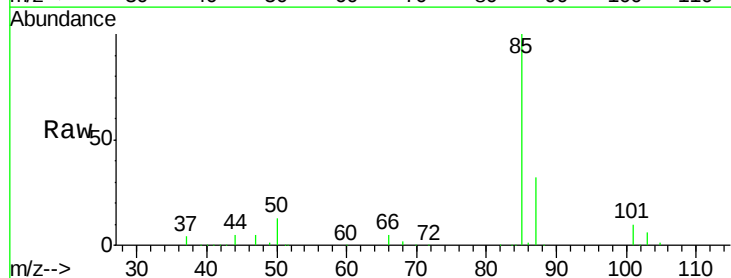
Sam
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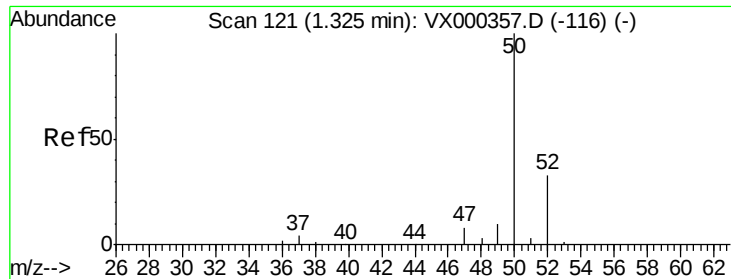


#2

Dichlorodifluoromethane
 Concen: 49.58 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	65669		
87	31.7	16.8	50.3	





#3

Chloromethane

Concen: 49.95 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 67446

Ion Ratio Lower Upper

50 100

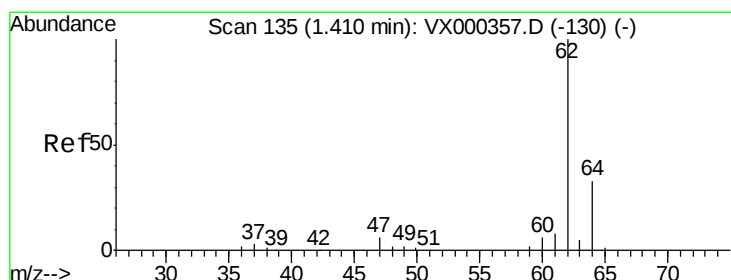
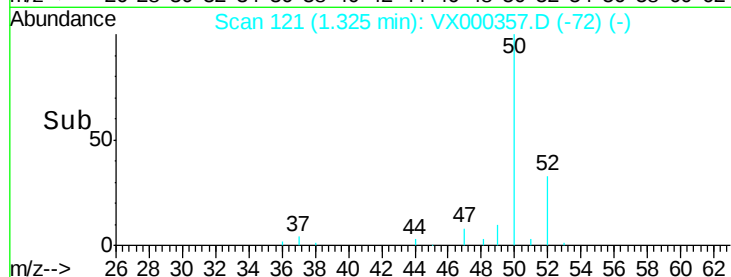
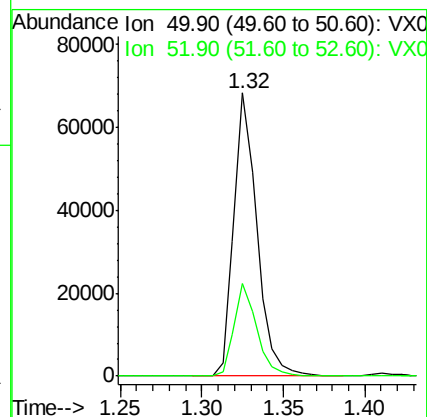
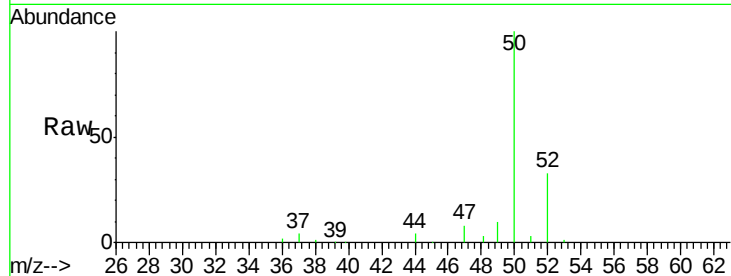
52 32.6 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.88 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000357.D

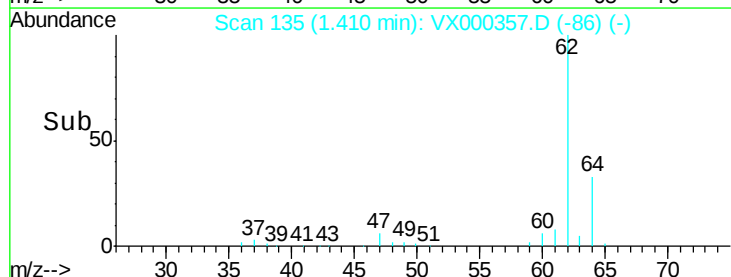
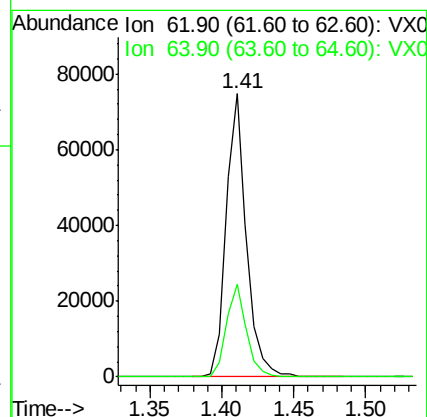
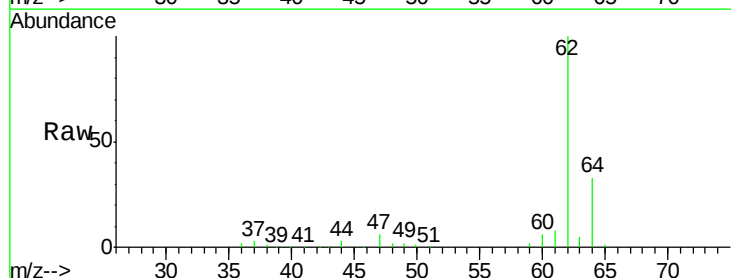
Acq: 20 Mar 2018 11:44

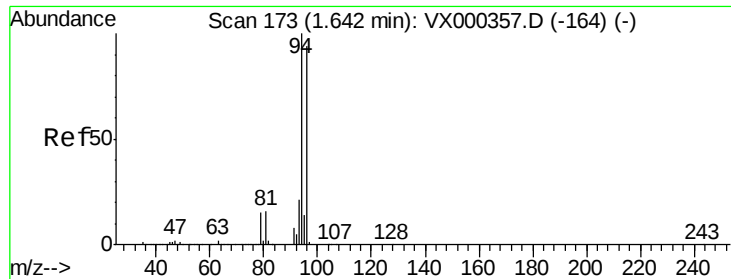
Tgt Ion: 62 Resp: 73923

Ion Ratio Lower Upper

62 100

64 32.9 24.8 37.2





#5

Bromomethane

Concen: 59.26 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 100016

Ion Ratio Lower Upper

94 100

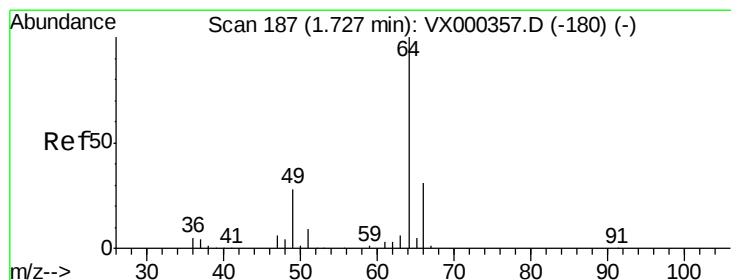
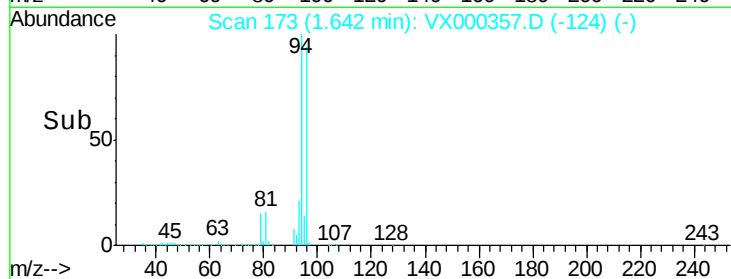
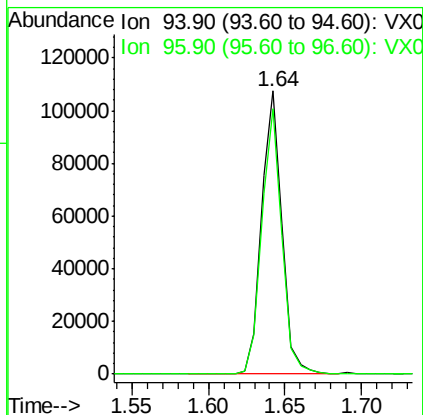
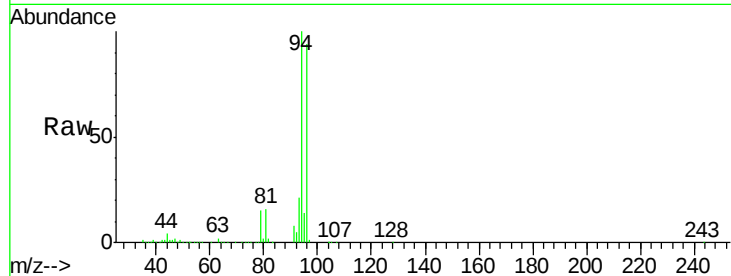
96 93.7 77.7 116.5

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#6

Chloroethane

Concen: 46.95 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000357.D

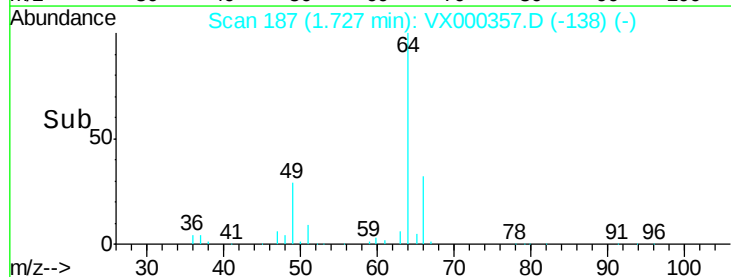
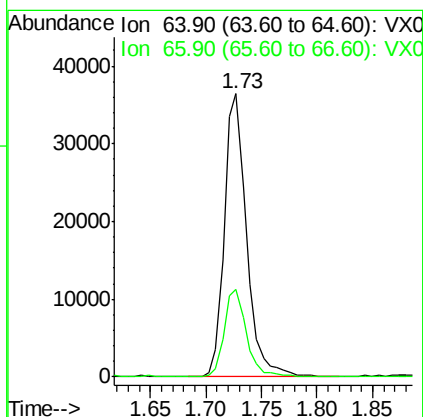
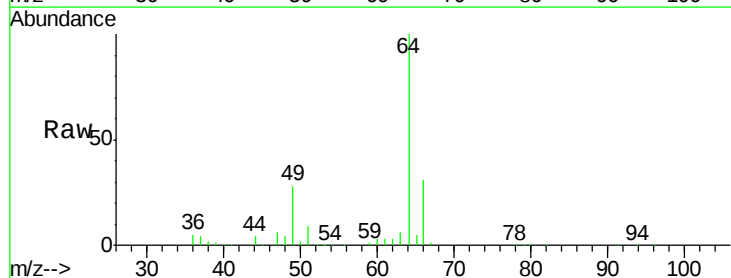
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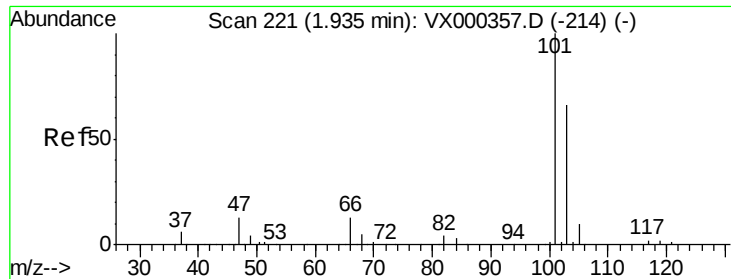
Tgt Ion: 64 Resp: 50461

Ion Ratio Lower Upper

64 100

66 31.1 24.8 37.2





#7

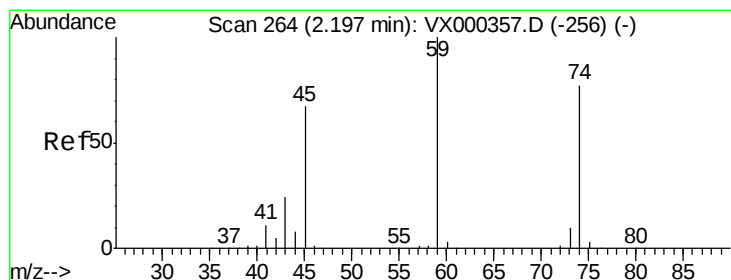
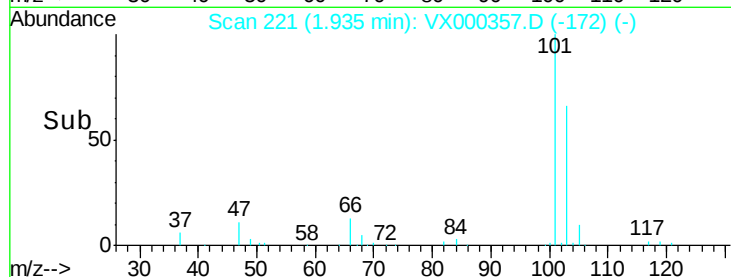
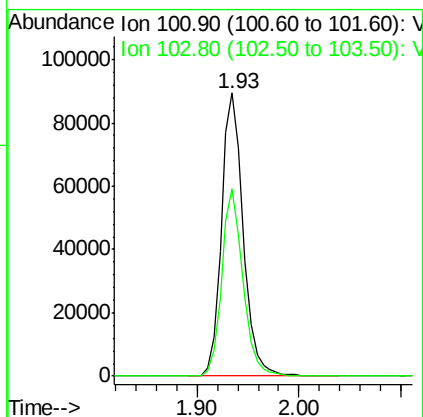
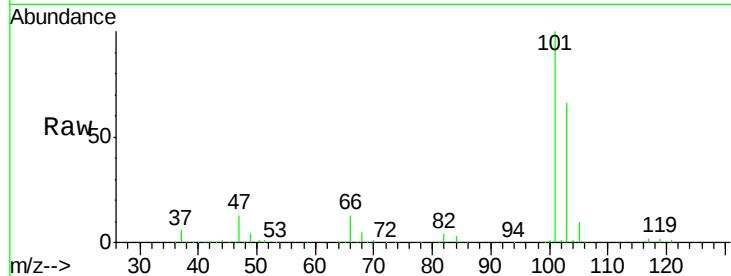
Trichlorofluoromethane
Concen: 50.41 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.6	77.4

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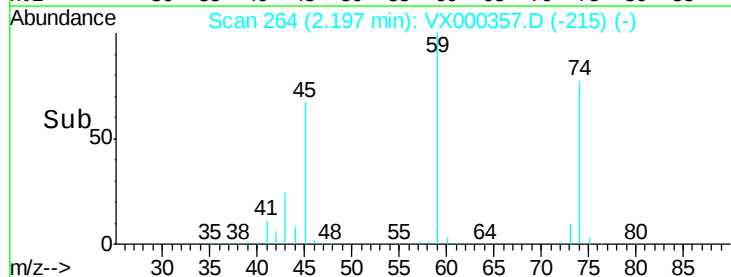
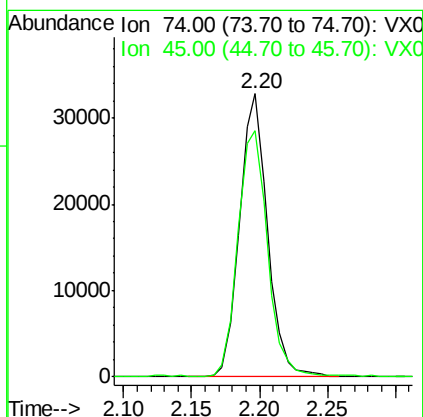
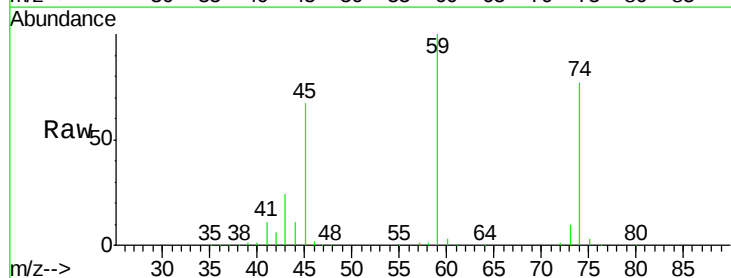
sam
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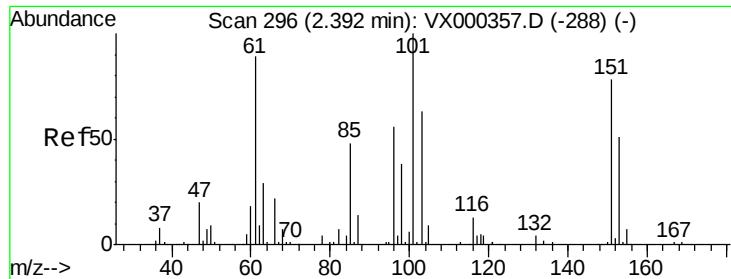


#8

Diethyl Ether
Concen: 50.32 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.3	45.1	135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.02 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX000357.D

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Instrument :

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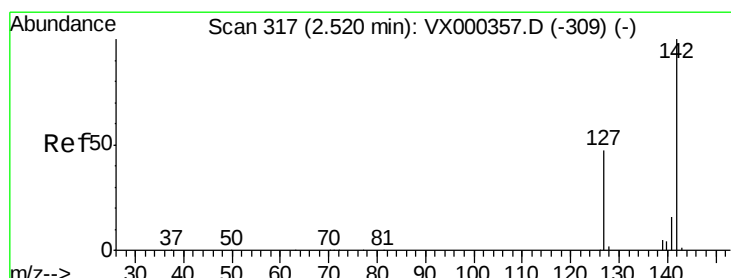
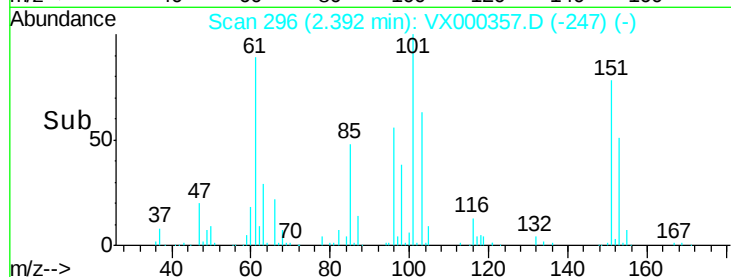
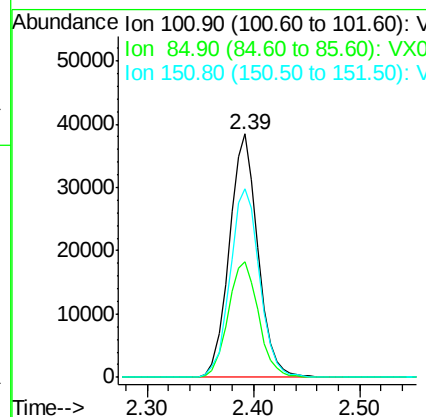
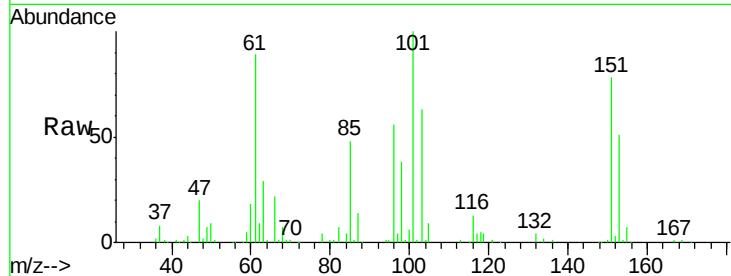
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	72154
Ion Ratio	Lower	Upper	
101	100		
85	50.3	37.6	56.4
151	80.3	62.6	93.8

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#10

Methyl Iodide

Concen: 53.27 ug/l

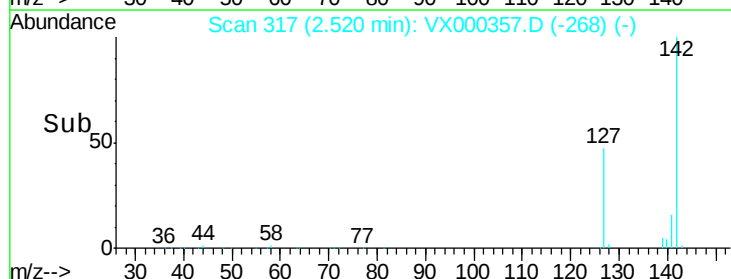
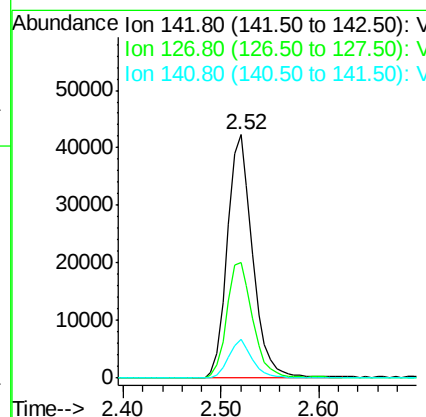
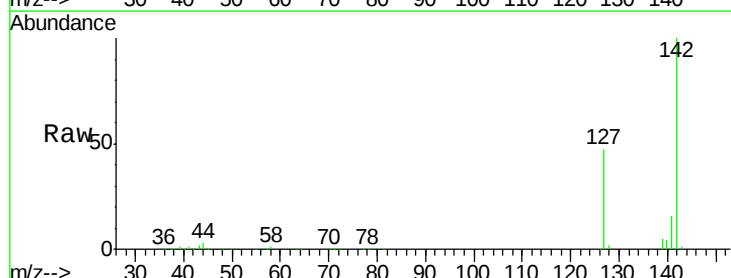
RT: 2.52 min Scan# 317

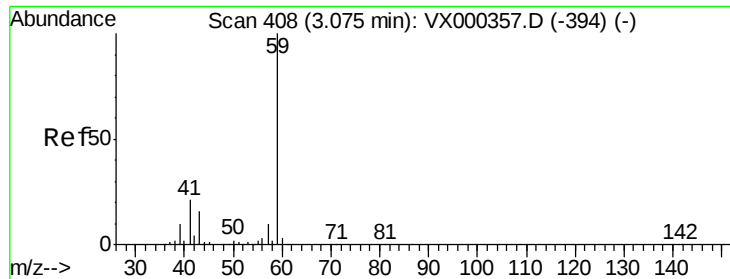
Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Tgt Ion:	142	Resp:	76133
Ion Ratio	Lower	Upper	
142	100		
127	48.6	39.2	58.8
141	14.7	11.7	17.5





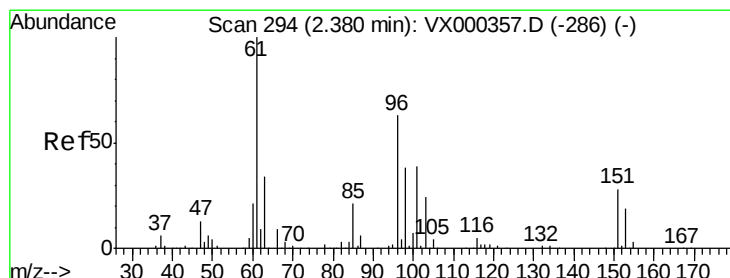
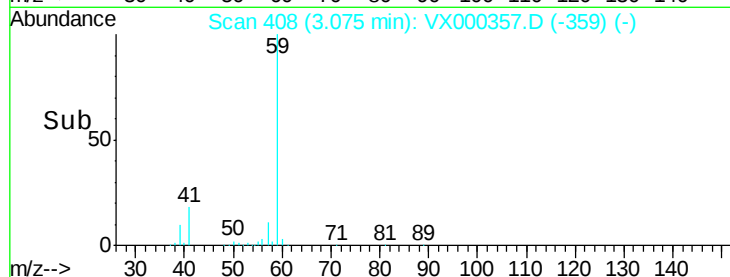
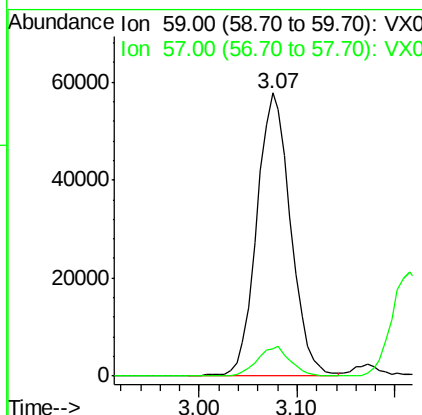
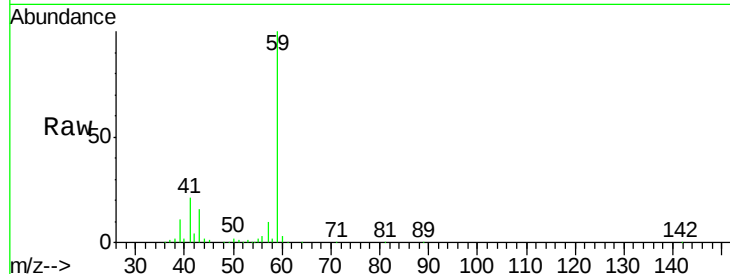
#11
Tert butyl alcohol
Concen: 254.04 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

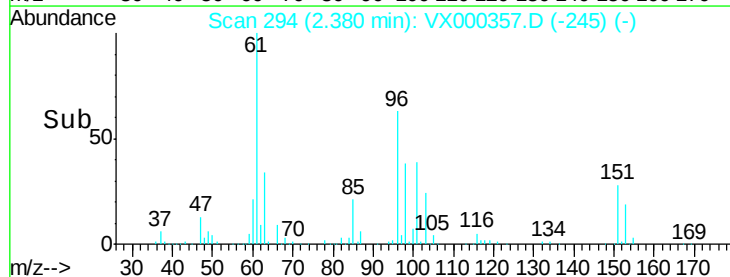
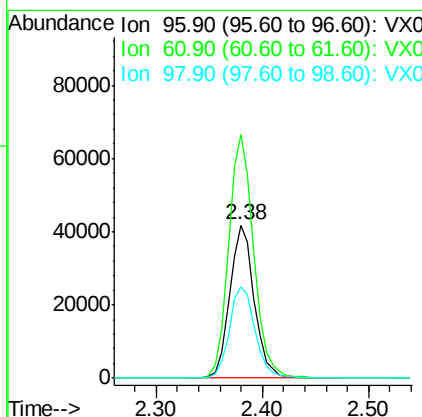
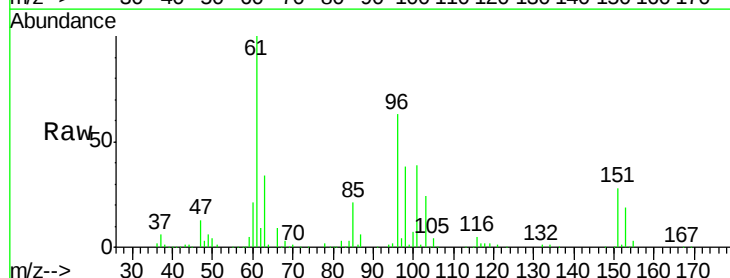
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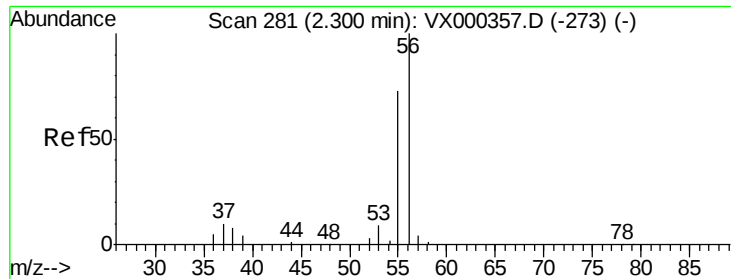
sam
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#12
1,1-Dichloroethene
Concen: 50.10 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.2	131.2	196.8
98	60.1	49.8	74.8





#13

Acrolein

Concen: 181.66 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 43016

Ion Ratio Lower Upper

56 100

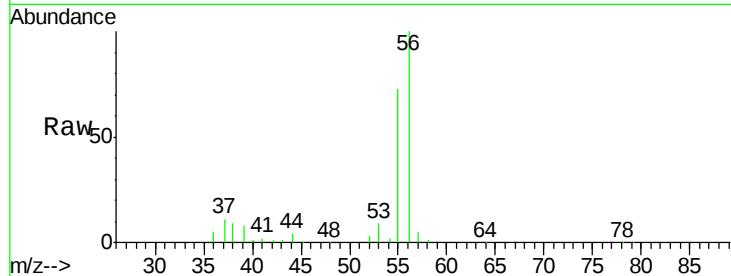
55 73.5 58.8 88.2

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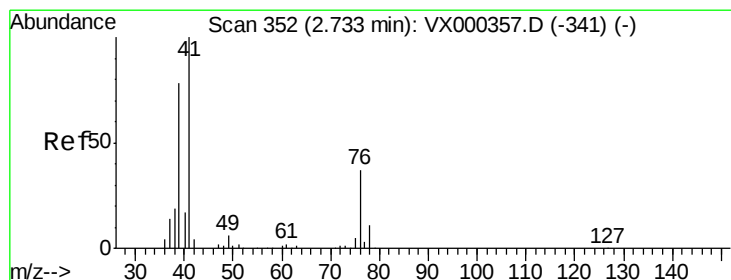
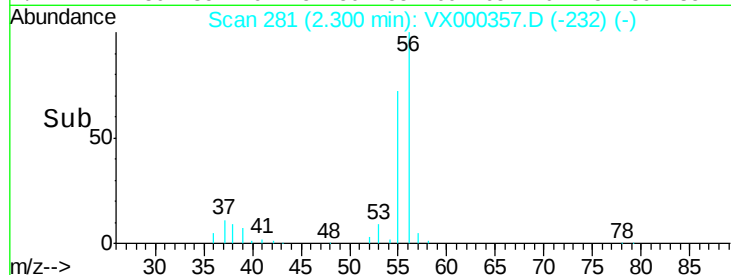
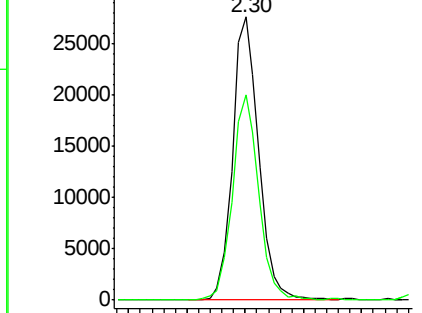
sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 51.39 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

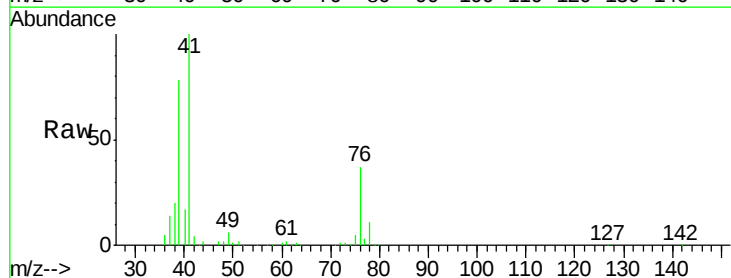
Tgt Ion: 41 Resp: 123000

Ion Ratio Lower Upper

41 100

39 71.8 57.6 86.4

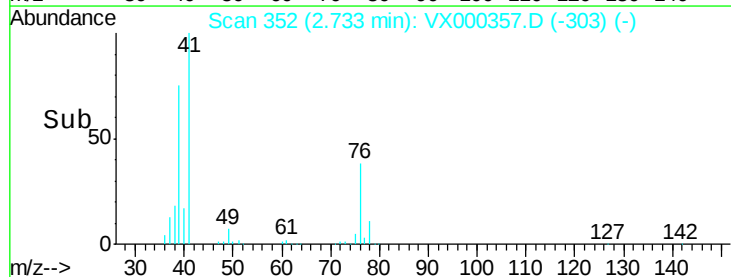
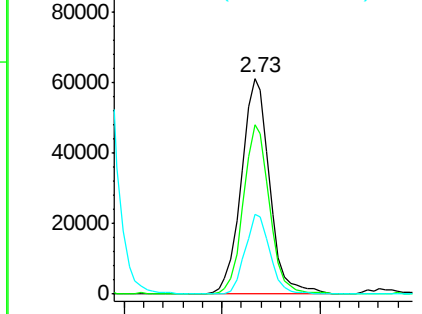
76 32.5 27.3 40.9

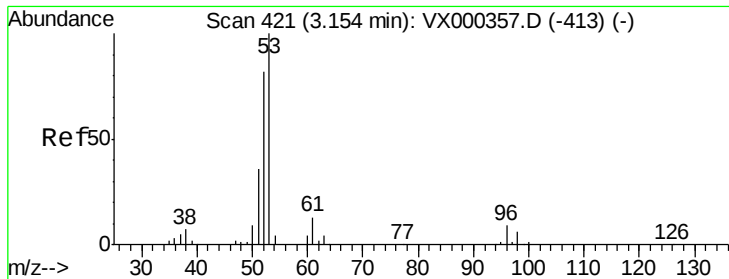


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 257.69 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

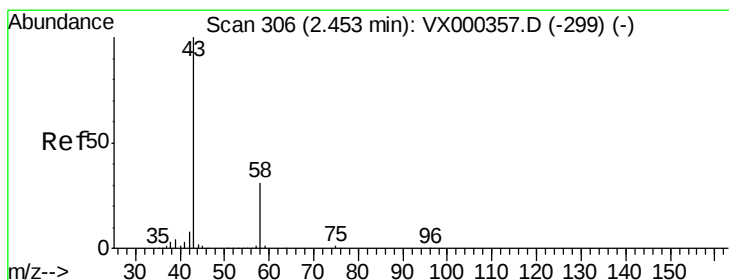
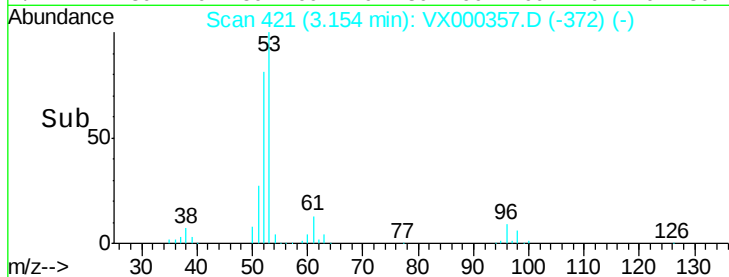
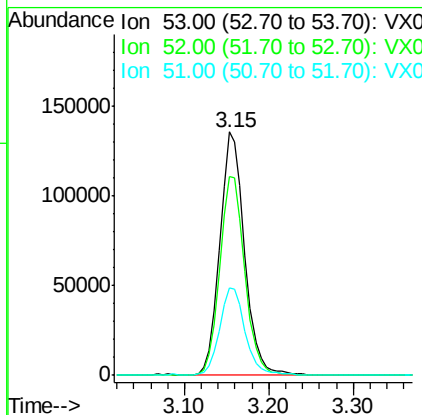
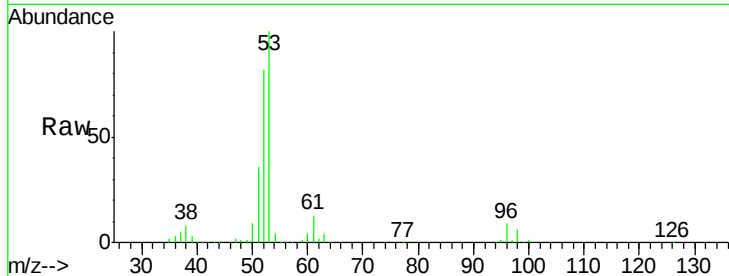
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	273464
Ion Ratio		Lower	Upper
53	100		
52	82.7	66.6	99.8
51	37.4	29.3	43.9

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#16

Acetone

Concen: 289.42 ug/l

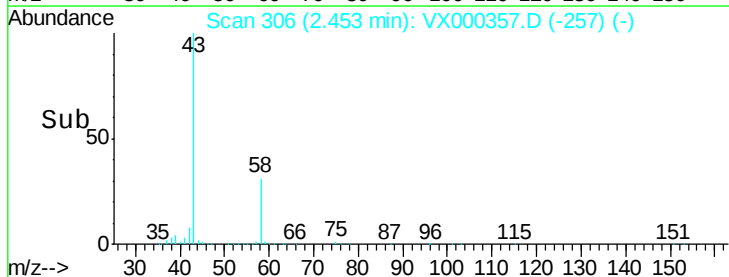
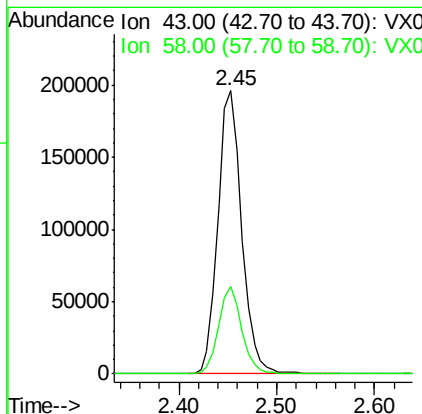
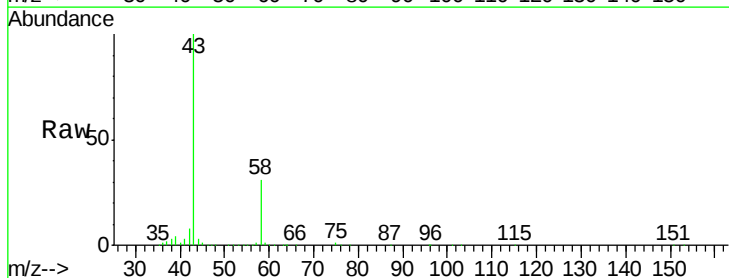
RT: 2.45 min Scan# 306

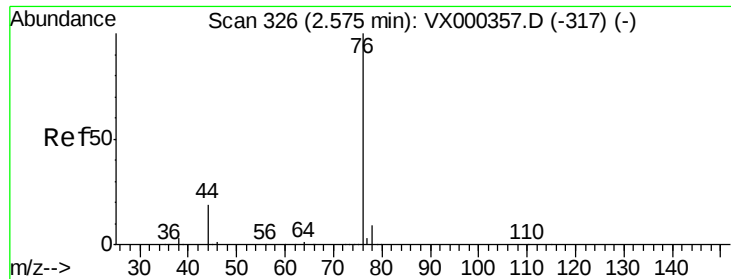
Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Tgt Ion:	43	Resp:	328723
Ion Ratio		Lower	Upper
43	100		
58	30.8	24.7	37.1





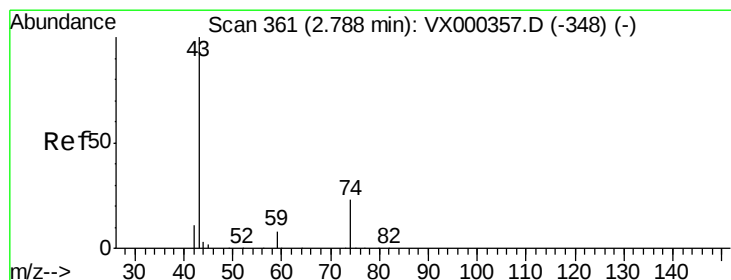
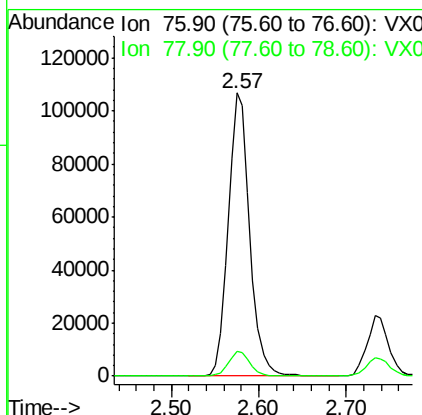
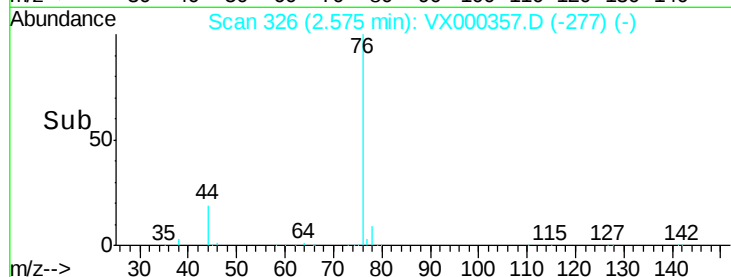
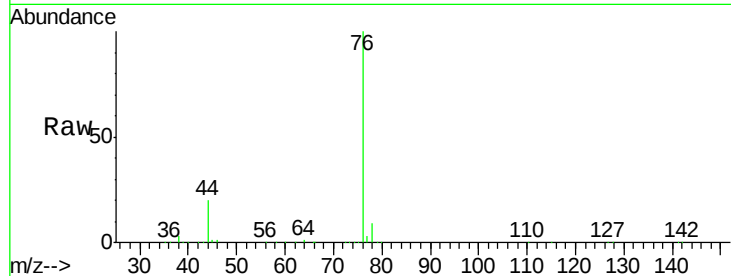
#17
Carbon Disulfide
Concen: 46.21 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

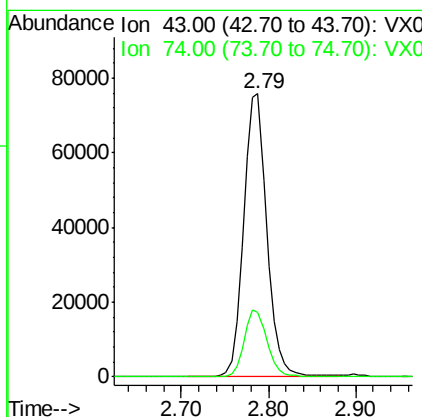
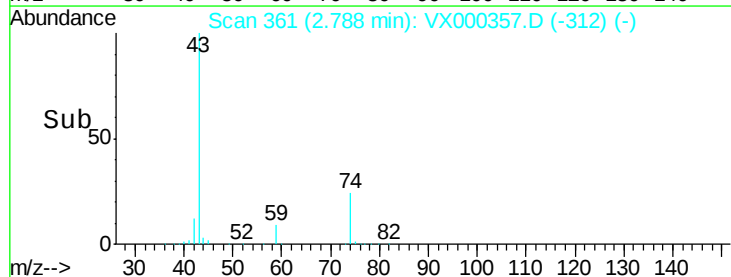
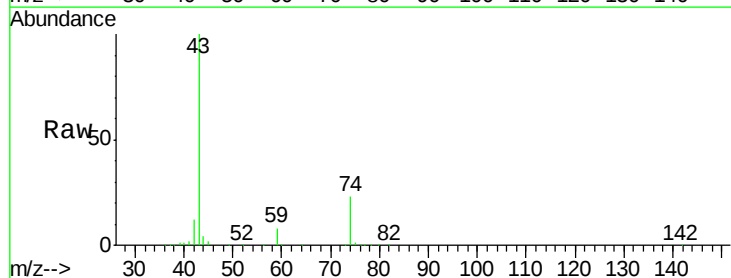
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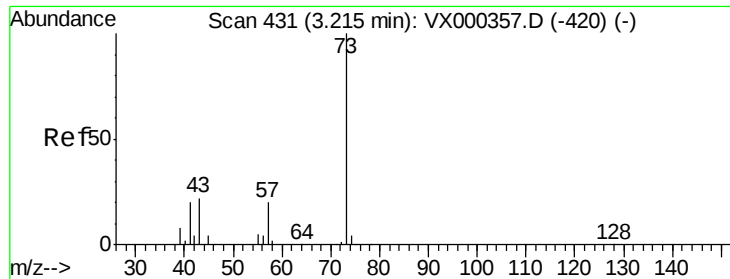
sam
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#18
Methyl Acetate
Concen: 54.57 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.4	29.2





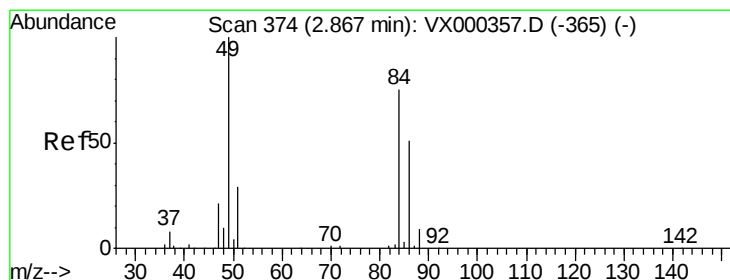
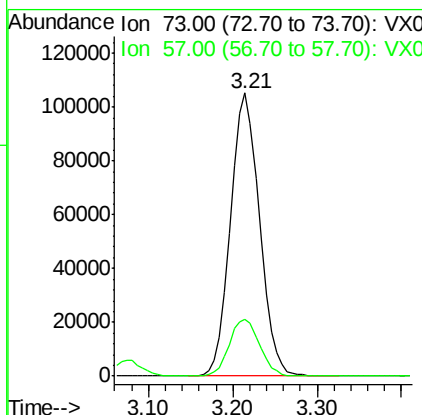
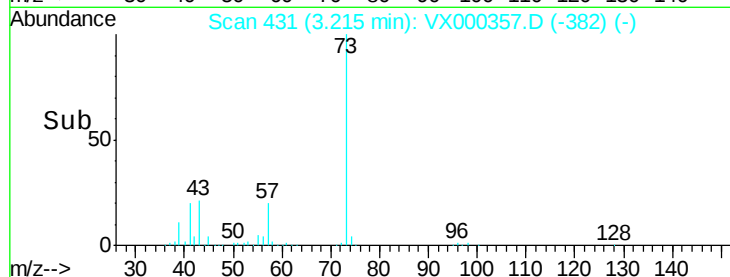
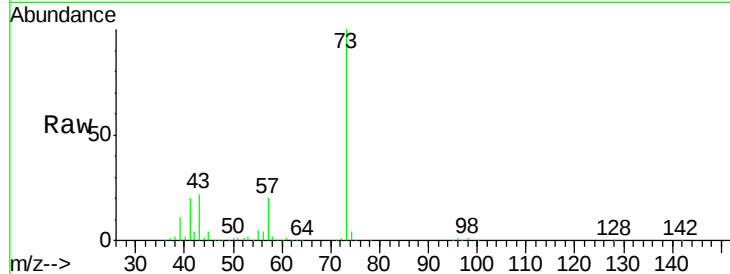
#19
Methyl tert-butyl Ether
Concen: 51.91 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 245312
Ion Ratio Lower Upper
73 100
57 20.1 17.2 25.8

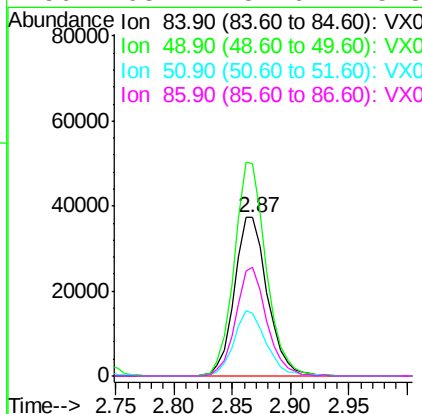
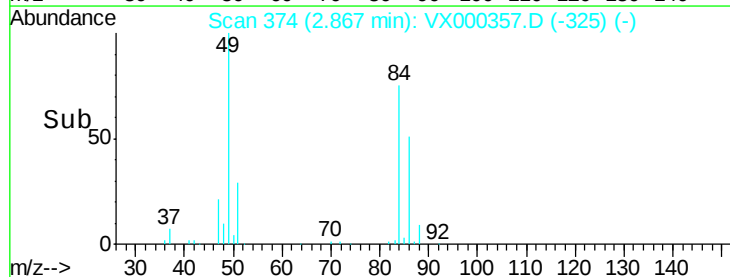
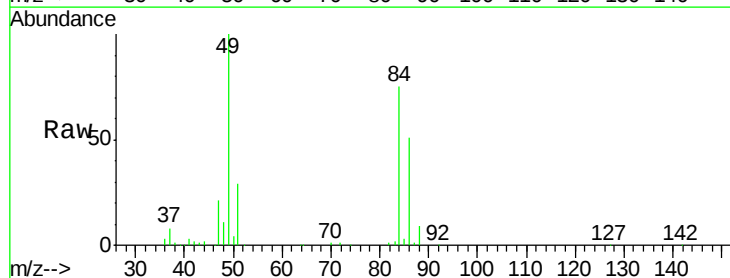
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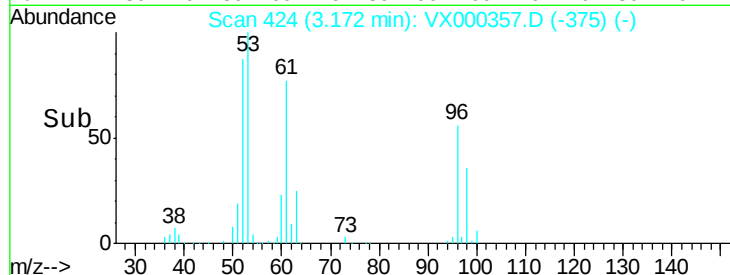
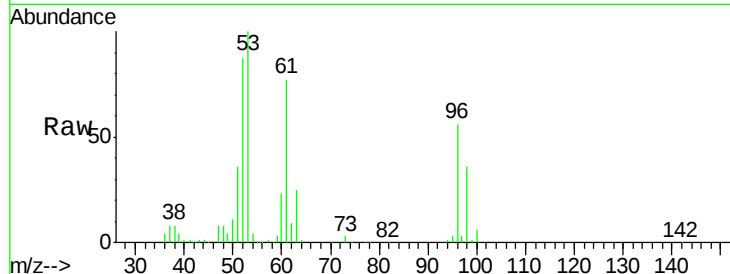
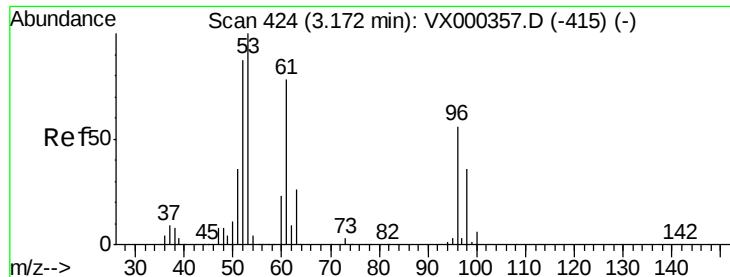
sam
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#20
Methylene Chloride
Concen: 50.15 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion: 84 Resp: 73739
Ion Ratio Lower Upper
84 100
49 134.2 100.6 151.0
51 39.5 31.6 47.4
86 68.7 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 48.16 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000357.D

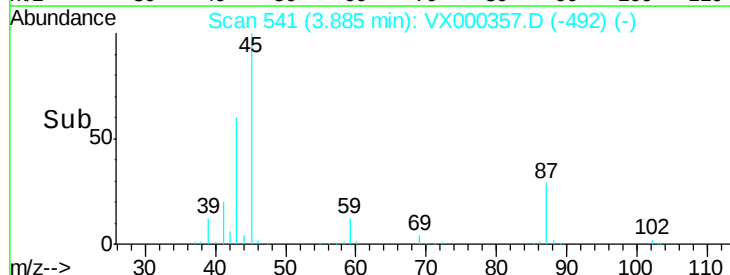
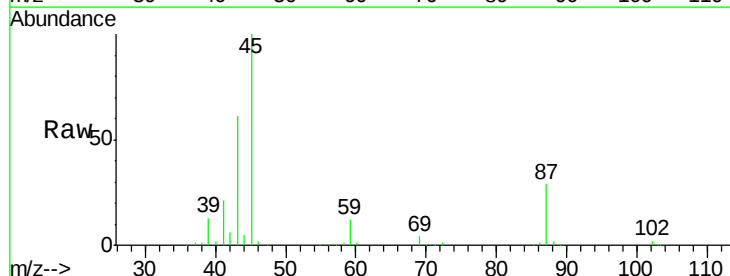
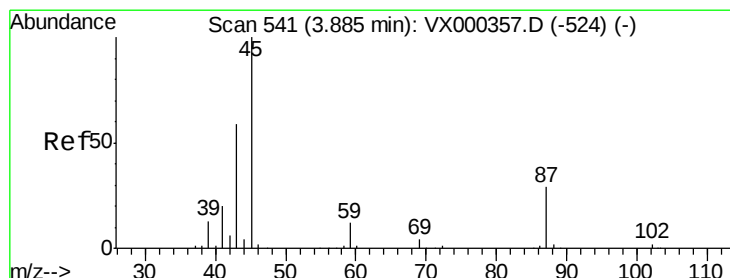
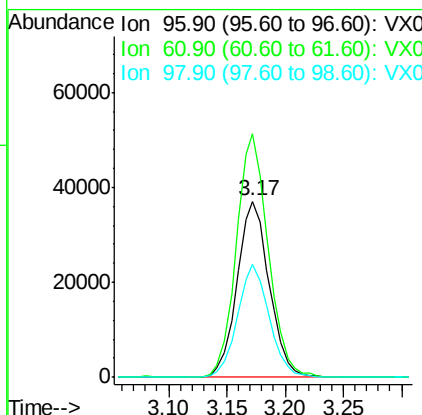
Acq: 20 Mar 2018 11:44

Tot Ion:	96	Resp:	71466
Ion	Ratio	Lower	Upper
96	100		
61	138.4	104.0	156.0
98	64.0	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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#22

Diisopropyl ether

Concen: 48.13 ug/l

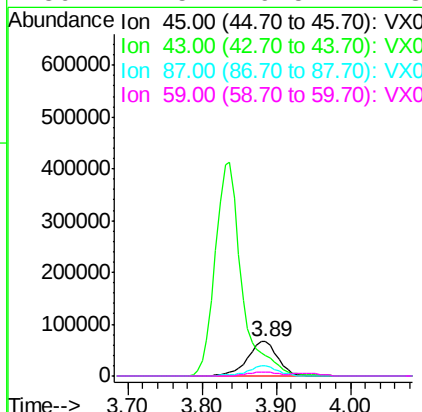
RT: 3.89 min Scan# 541

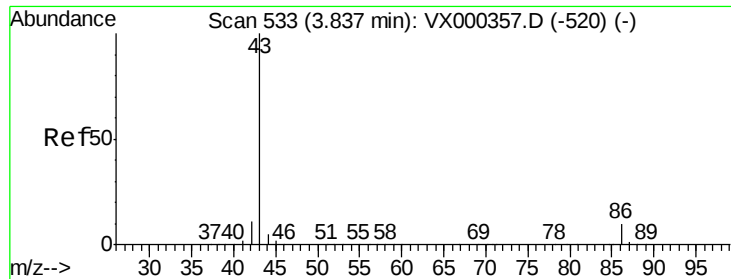
Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Tgt Ion:	45	Resp:	191746
Ion	Ratio	Lower	Upper
45	100		
43	59.4	53.9	80.9
87	28.9	22.6	34.0
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 270.02 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1025233

Ion Ratio Lower Upper

43 100

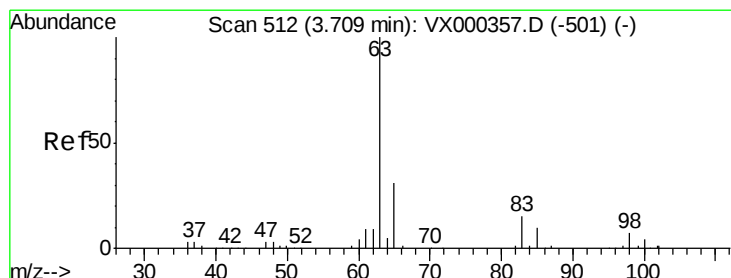
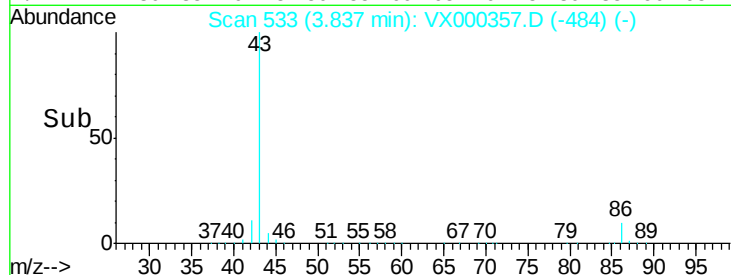
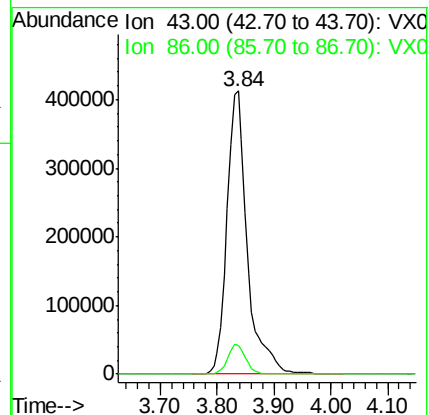
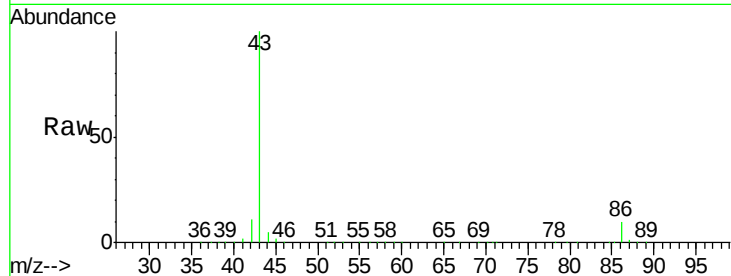
86 10.0 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.08 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

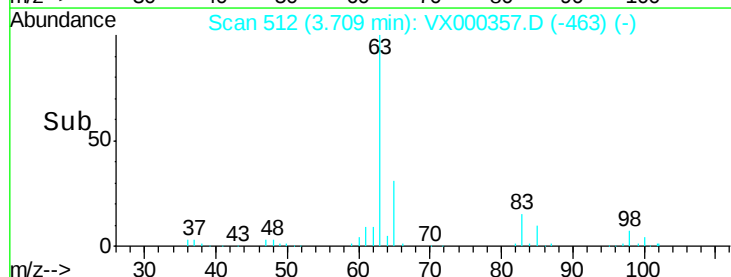
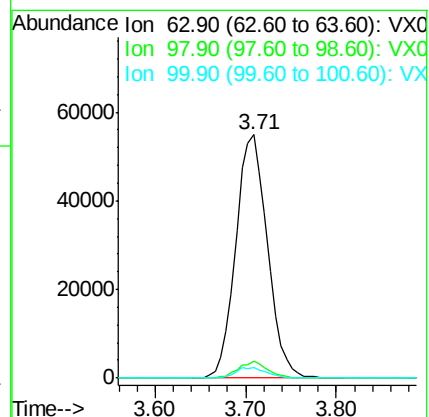
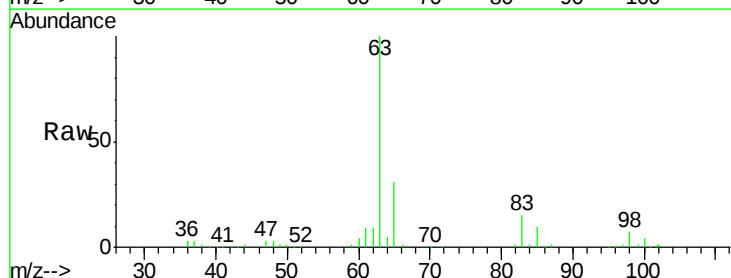
Tgt Ion: 63 Resp: 133016

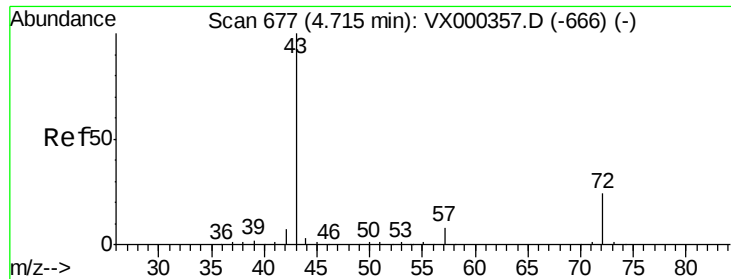
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 278.73 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 378379

Ion Ratio Lower Upper

43 100

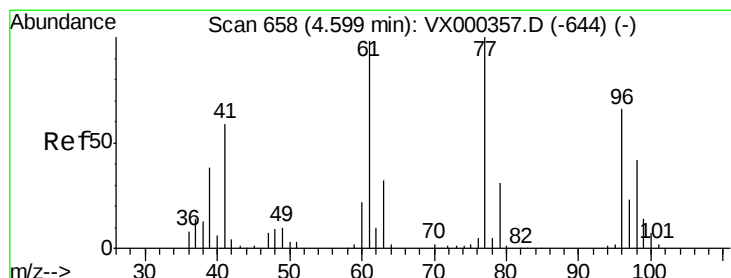
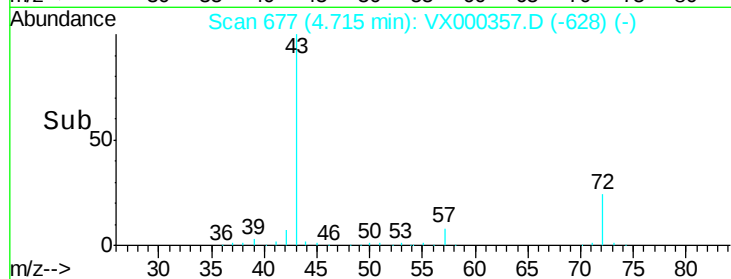
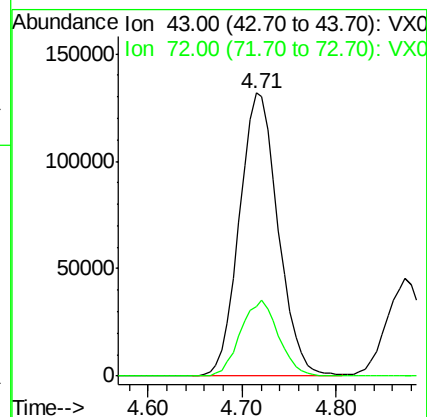
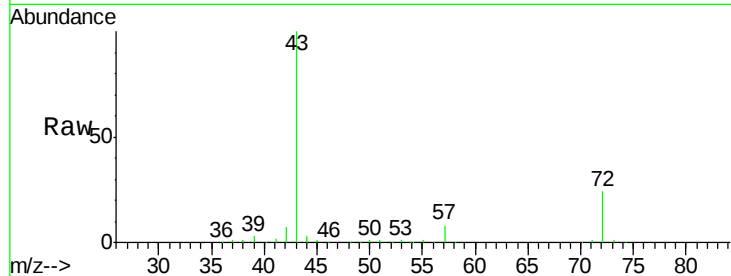
72 24.5 21.0 31.6

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 53.00 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX000357.D

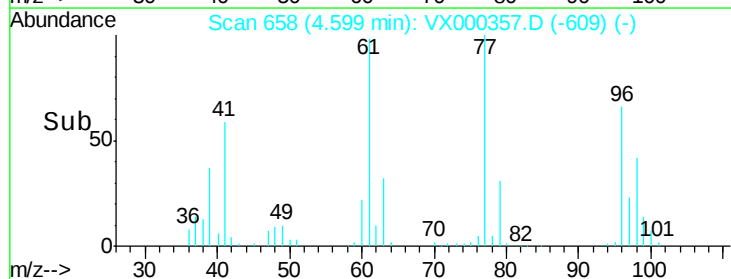
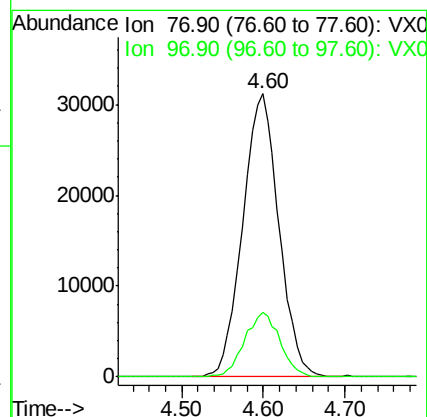
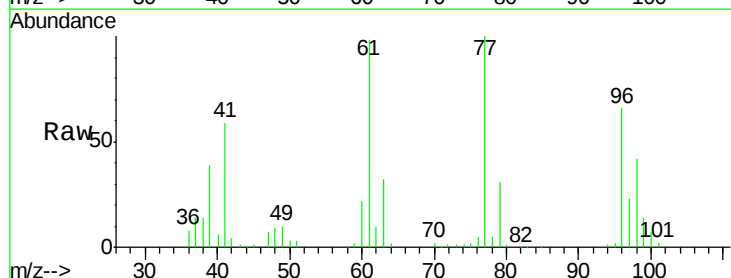
Acq: 20 Mar 2018 11:44

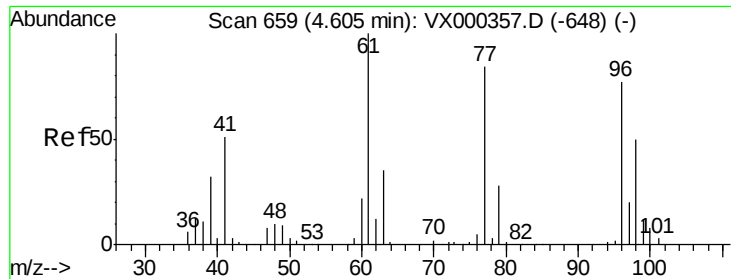
Tgt Ion: 77 Resp: 95875

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.8





#27

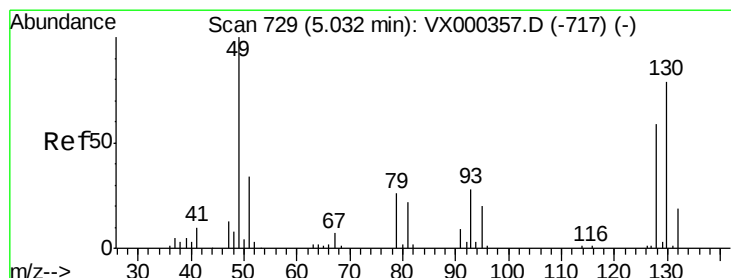
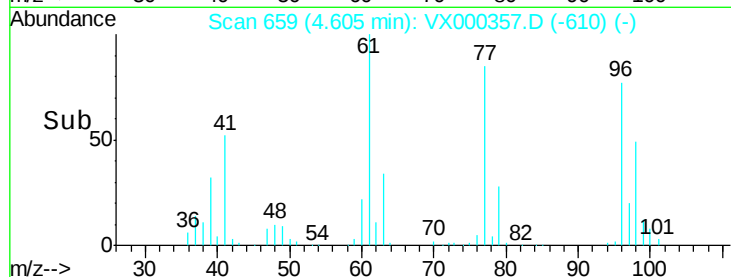
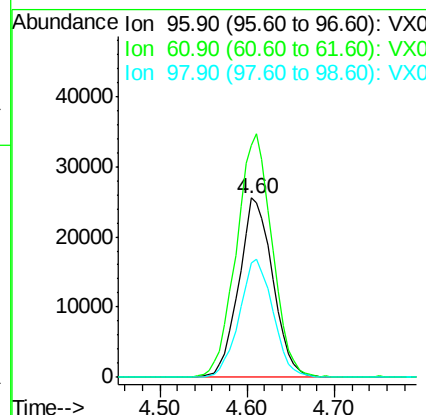
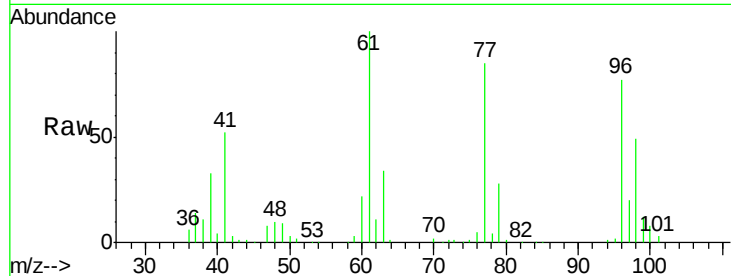
cis-1,2-Dichloroethene
Concen: 50.99 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69120		
61	142.6	0.0	291.6	
98	65.1	0.0	132.0	

Manual Integrations
APPROVED

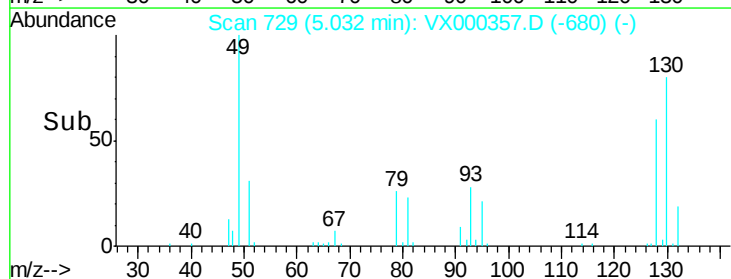
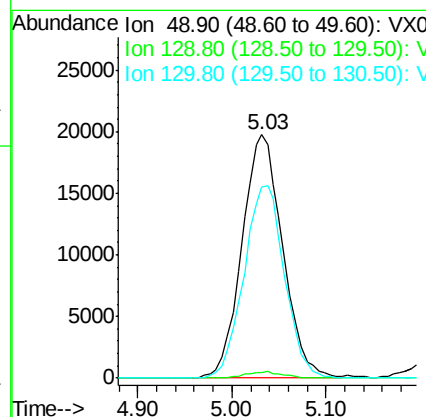
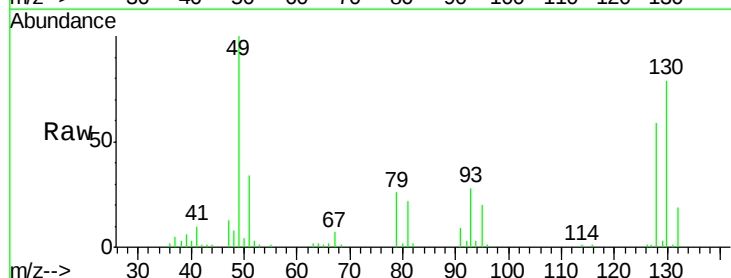
sam
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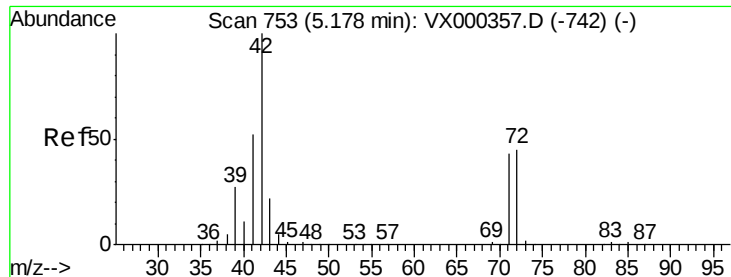


#28

Bromochloromethane
Concen: 56.58 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	59598		
129	2.4	0.0	5.0	
130	78.9	64.0	96.0	





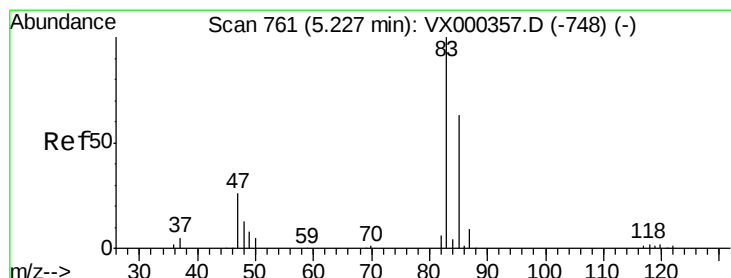
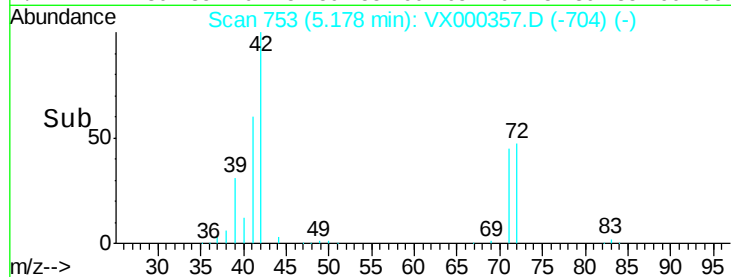
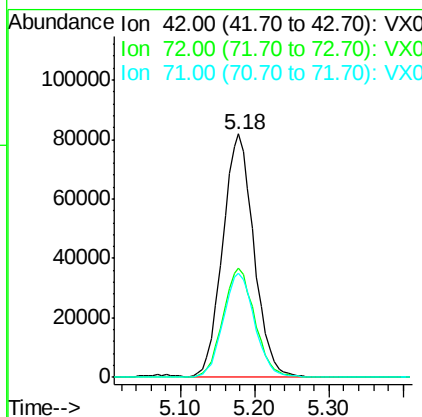
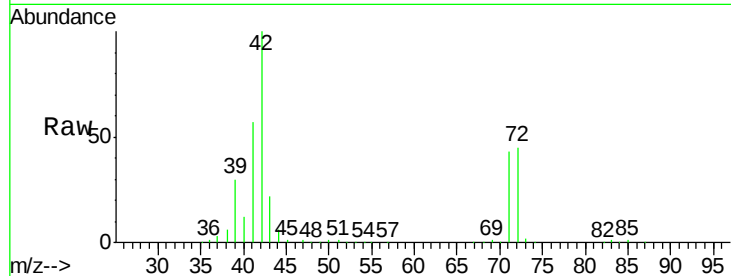
#29
Tetrahydrofuran
Concen: 272.80 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	37.9	56.9
71	43.3	34.4	51.6

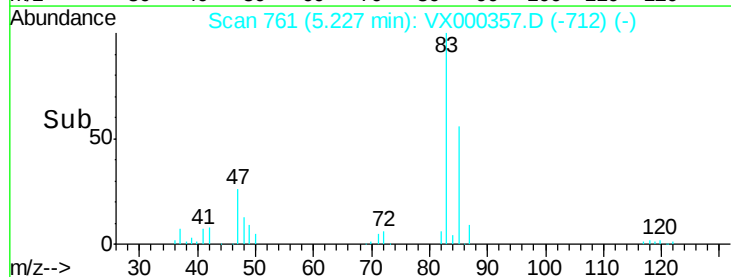
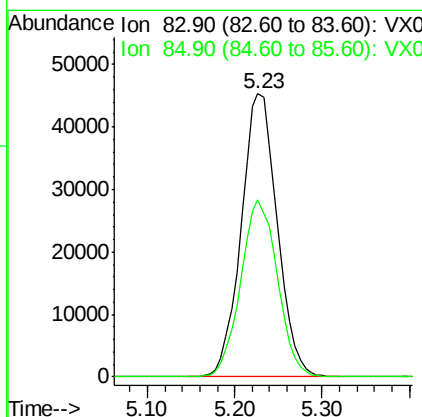
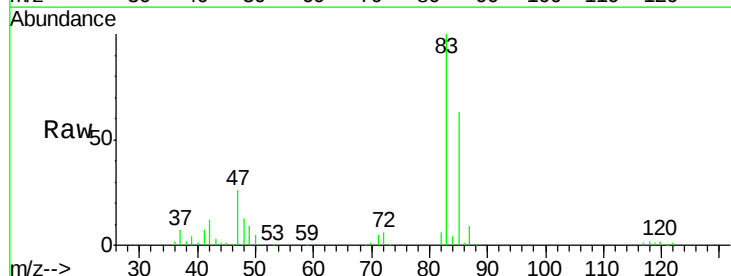
Manual Integrations
APPROVED

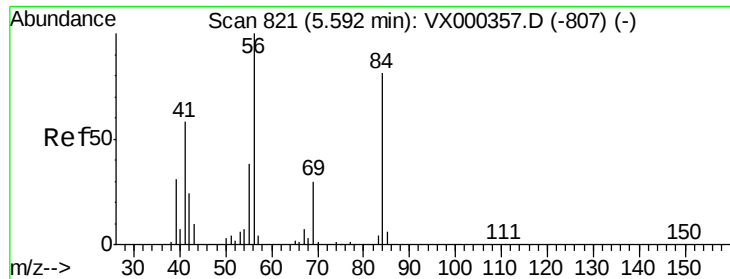
sam
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#30
Chloroform
Concen: 54.89 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.3	79.9





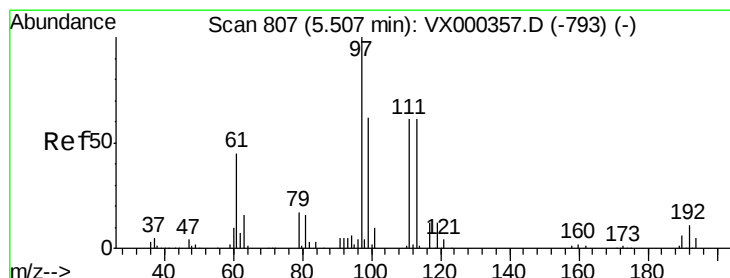
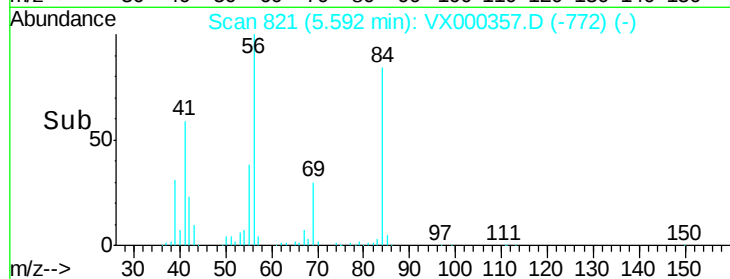
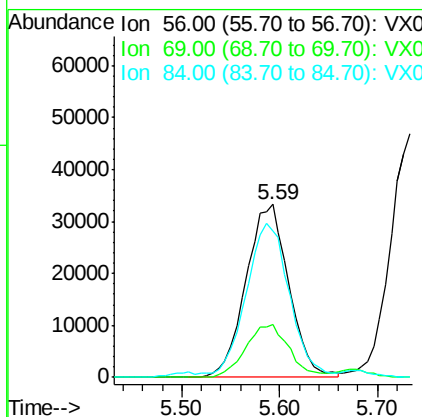
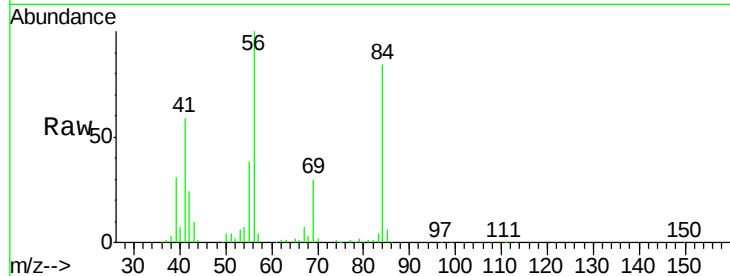
#31
Cvclohexane
Concen: 52.73 ug/l
RT: 5.59 min Scan# 821
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.0
84	81.7	71.0	106.4

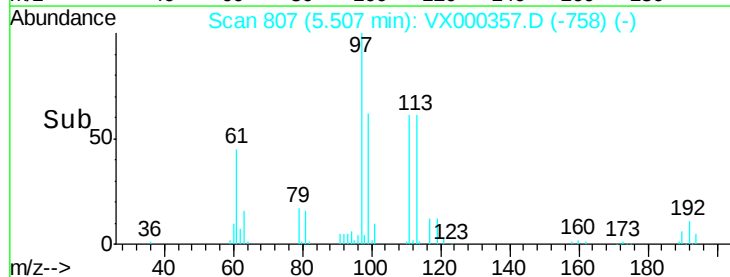
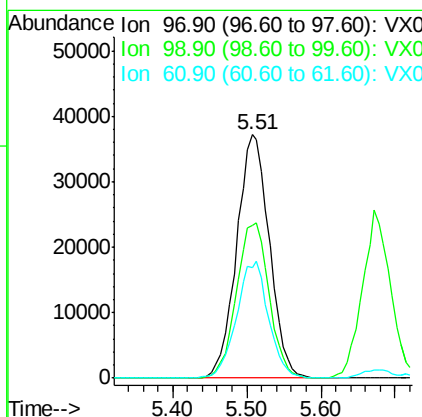
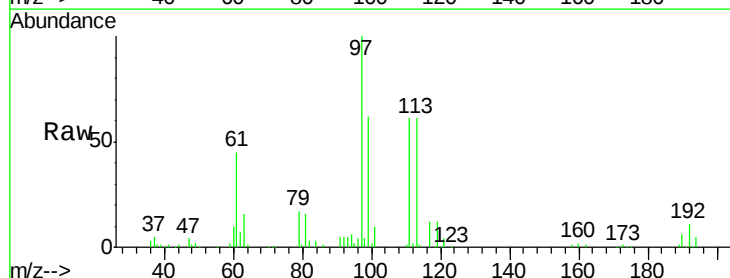
Manual Integrations
APPROVED

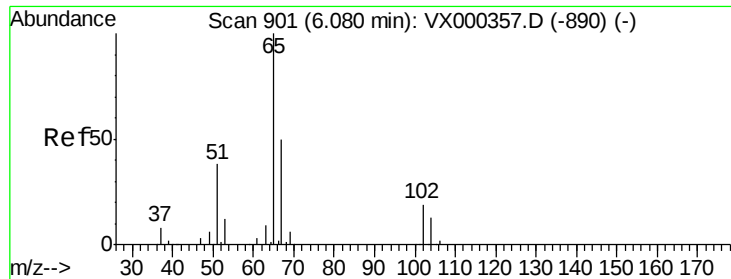
sam
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#32
1,1,1-Trichloroethane
Concen: 54.73 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.1	78.1
61	46.8	36.2	54.4





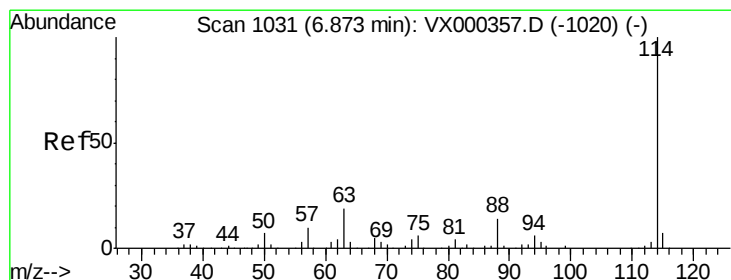
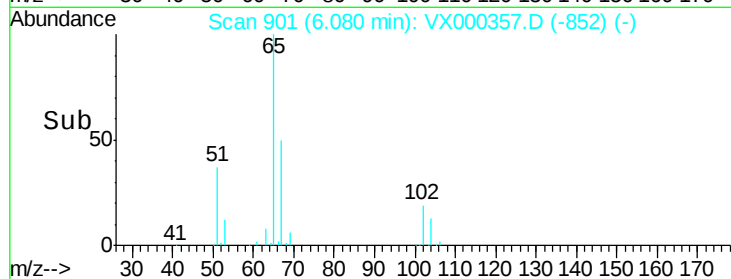
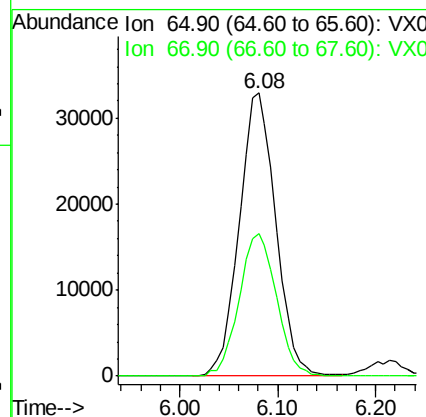
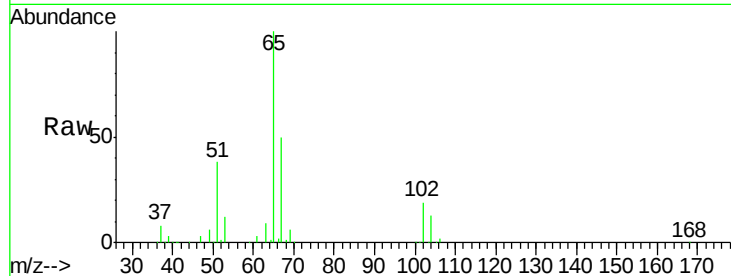
#33
 1,2-Dichloroethane-d4
 Concen: 50.14 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.2

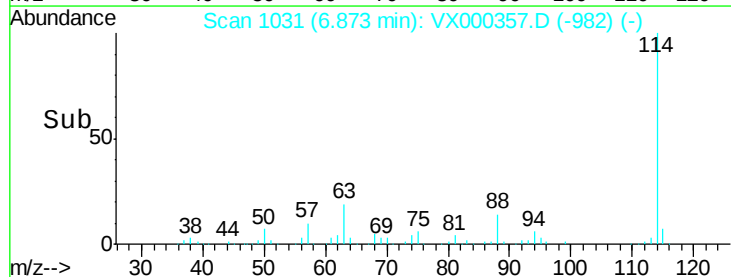
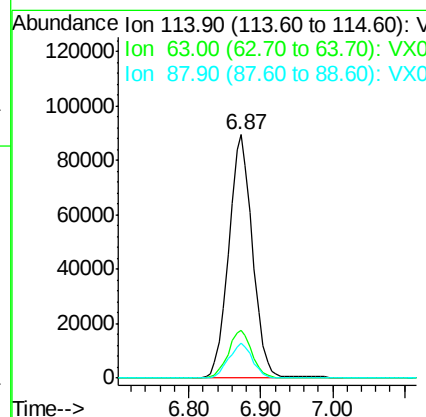
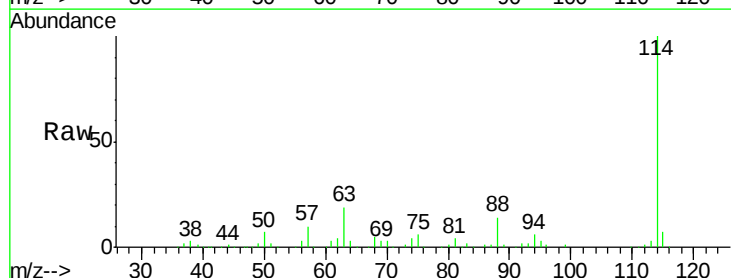
Manual Integrations
 APPROVED

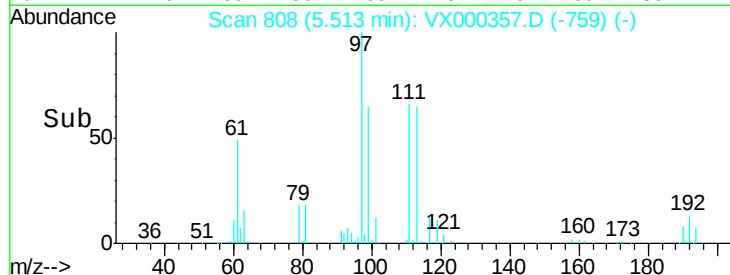
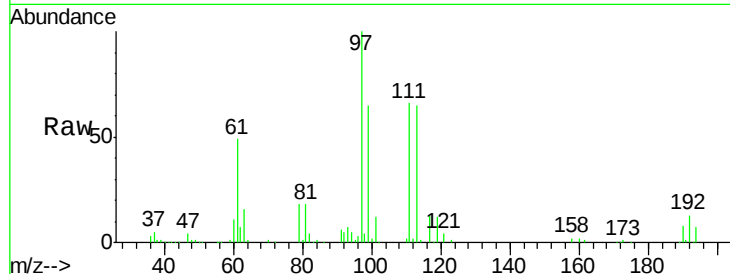
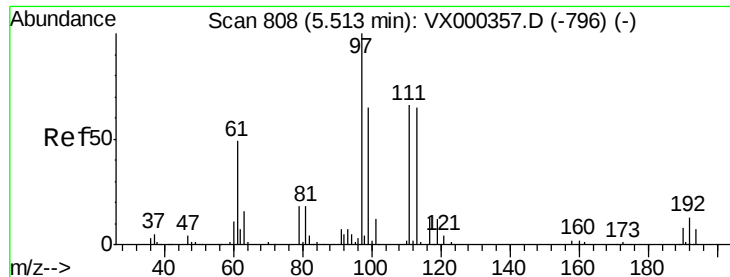
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	38.4
88	14.3	0.0	27.0





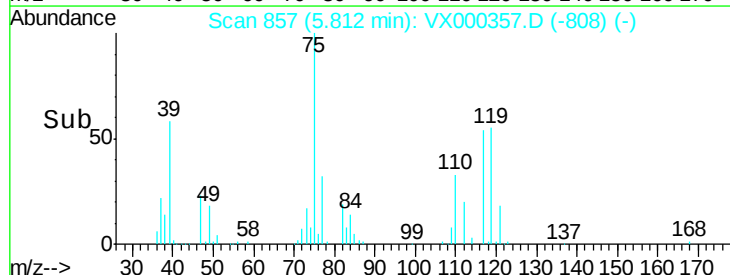
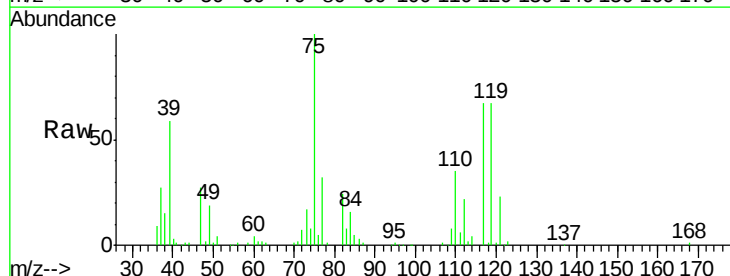
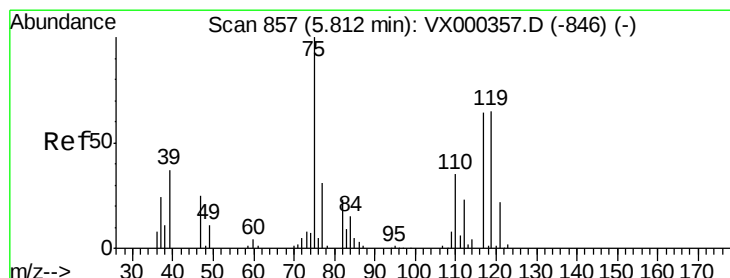
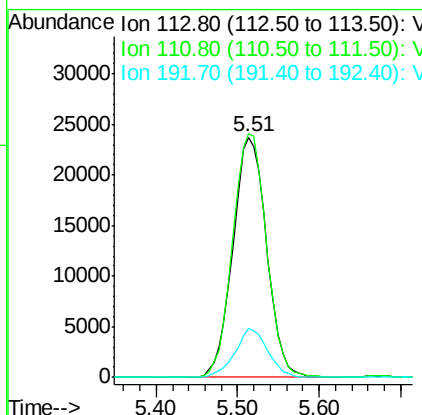
#35
Dibromofluoromethane
Concen: 52.15 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.4	123.6
192	19.9	15.8	23.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

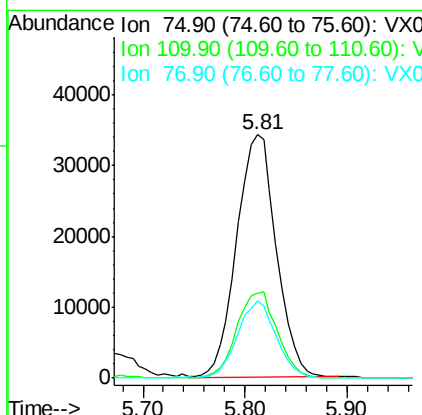
Manual Integrations
APPROVED

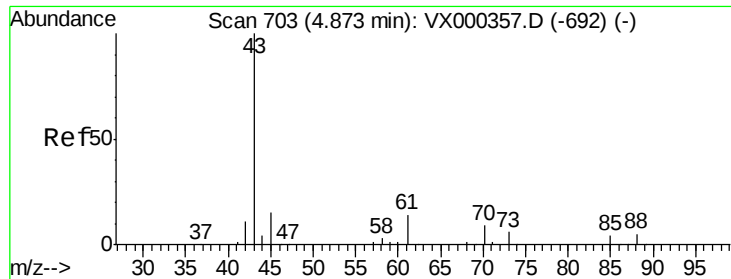
sam
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#36
1,1-Dichloropropene
Concen: 49.48 ug/l
RT: 5.81 min Scan# 857
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.9	53.7
77	31.2	24.0	36.0





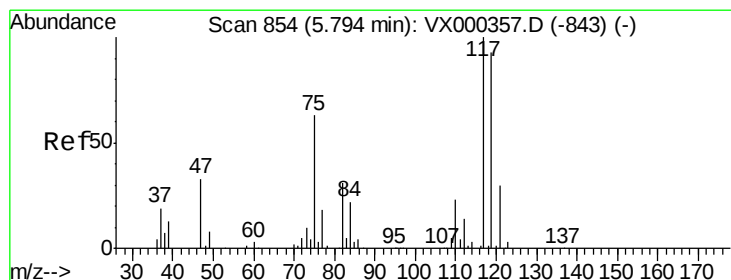
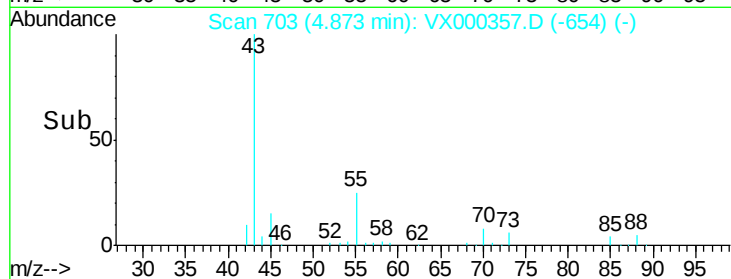
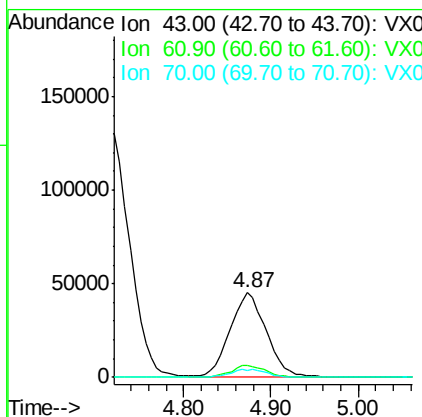
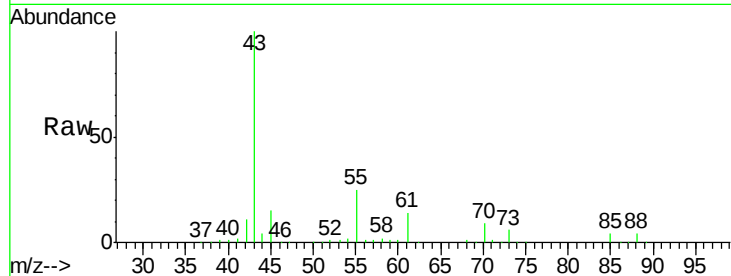
#37
Ethyl Acetate
Concen: 52.19 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	9.4	7.7	11.5

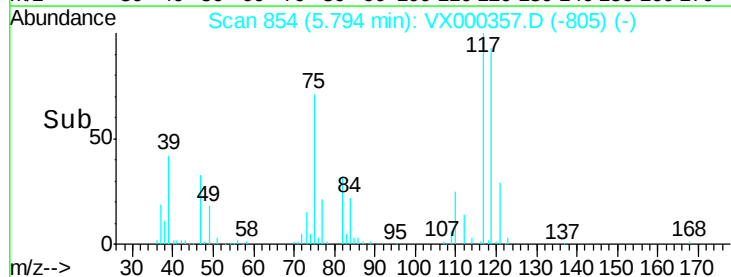
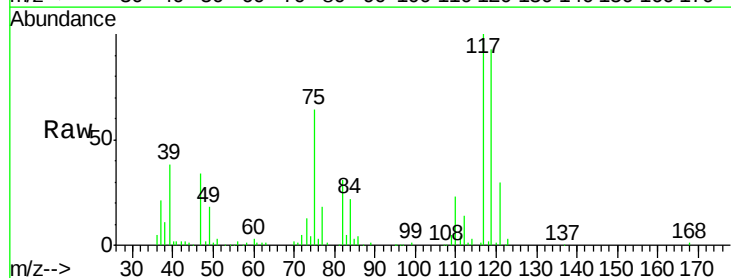
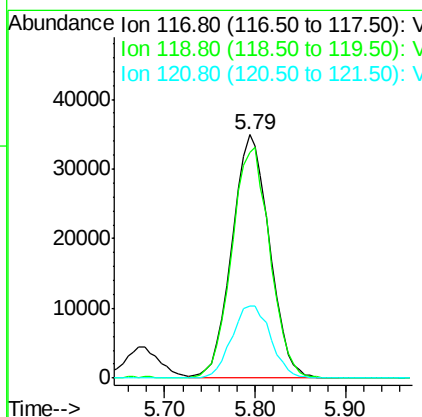
Manual Integrations
APPROVED

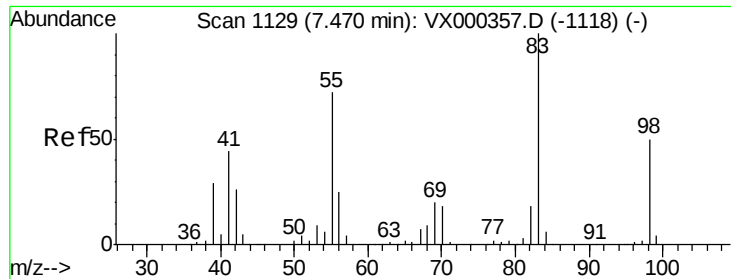
sam
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#38
Carbon Tetrachloride
Concen: 53.22 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	77.4	116.2
121	29.5	24.8	37.2





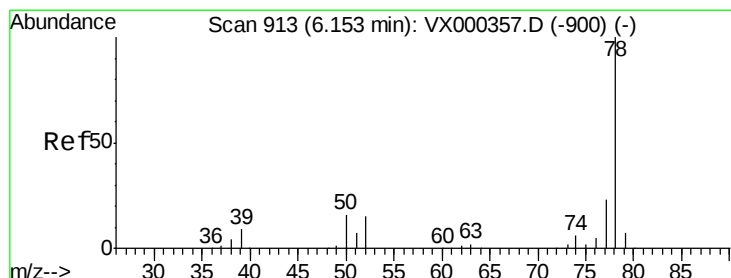
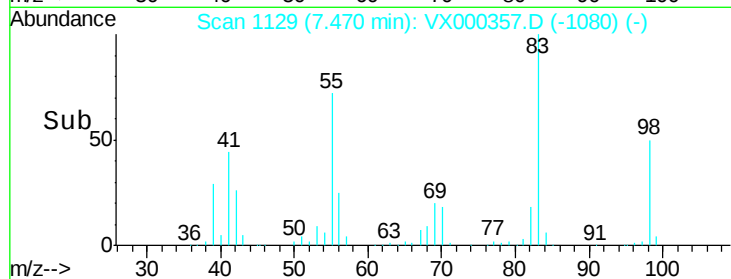
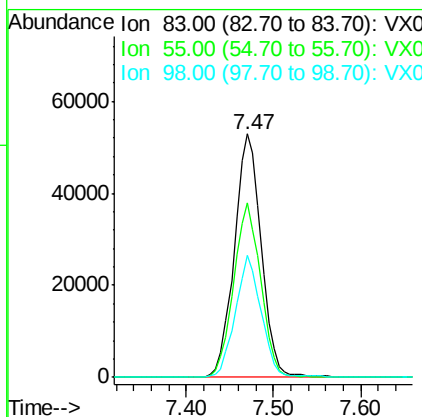
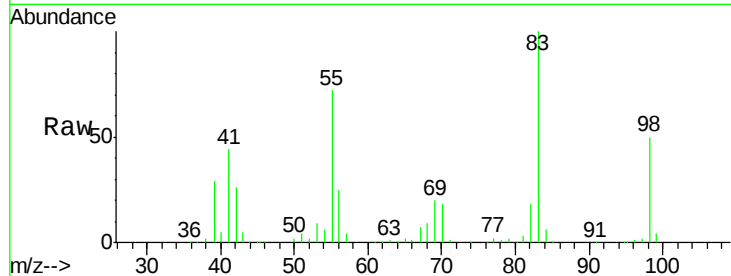
#39
Methvlcvclohexane
Concen: 52.05 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.7	55.5	83.3
98	50.1	38.2	57.4

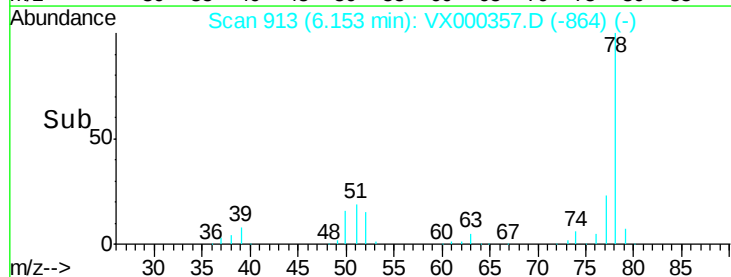
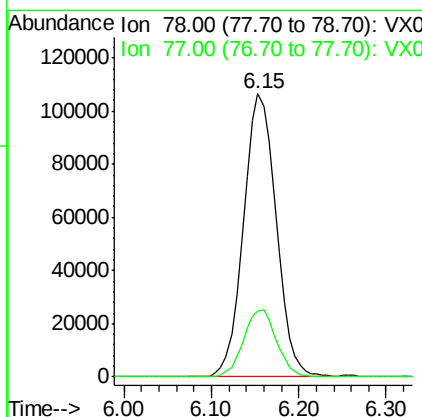
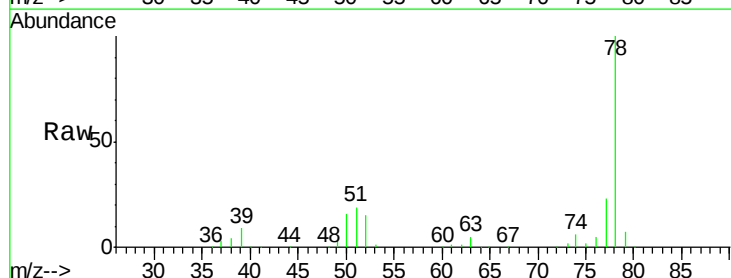
Manual Integrations
APPROVED

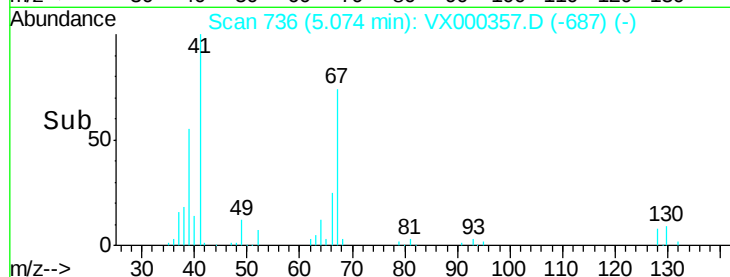
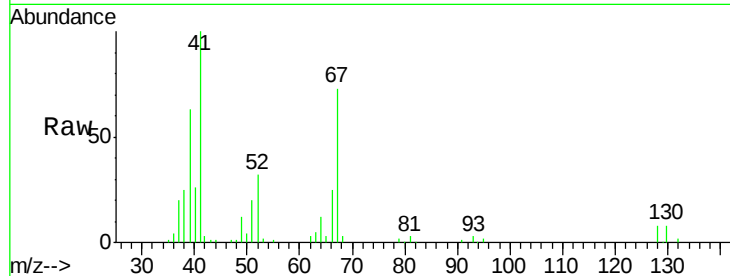
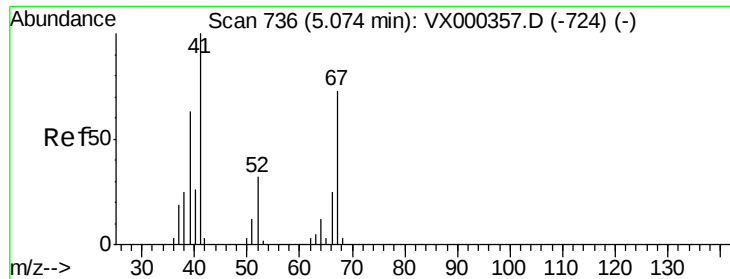
sam
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#40
Benzene
Concen: 52.31 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





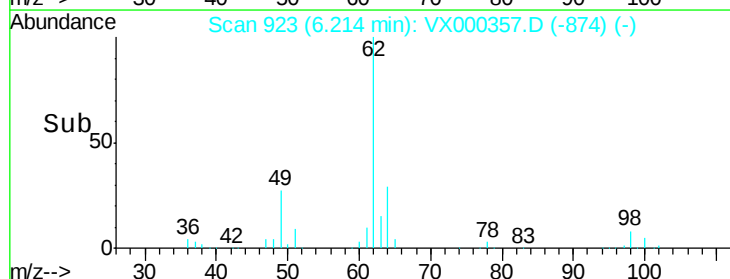
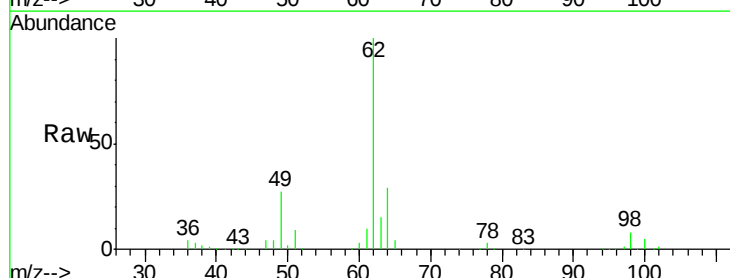
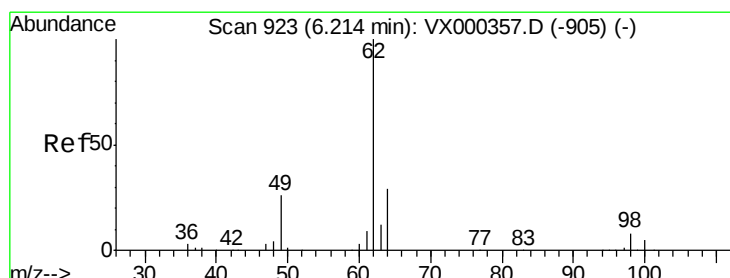
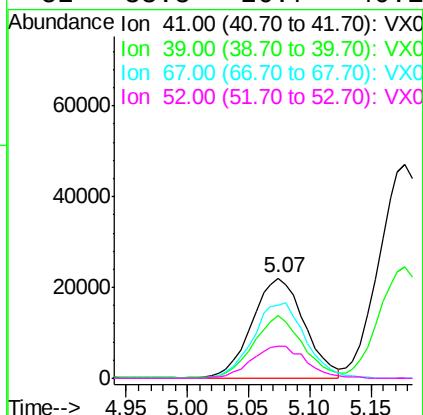
#41
Methacrylonitrile
Concen: 50.03 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tot Ion:	41	Resp:	65223
Ion Ratio	Lower	Upper	
41	100		
39	58.9	45.7	68.5
67	76.0	57.8	86.8
52	33.8	26.7	40.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

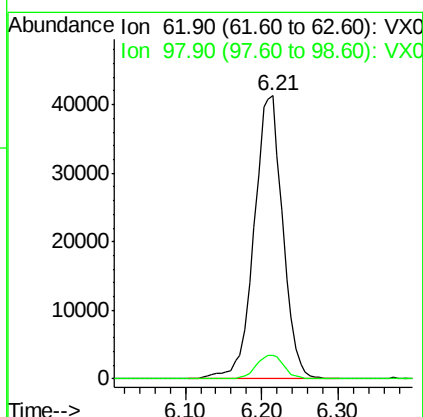
Manual Integrations
APPROVED

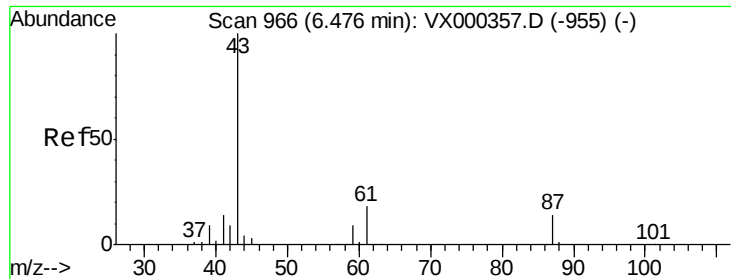
sam
3/21/2018 11:44:40 AM



#42
1,2-Dichloroethane
Concen: 51.55 ug/l
RT: 6.21 min Scan# 923
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion:	62	Resp:	108302
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	15.8





#43

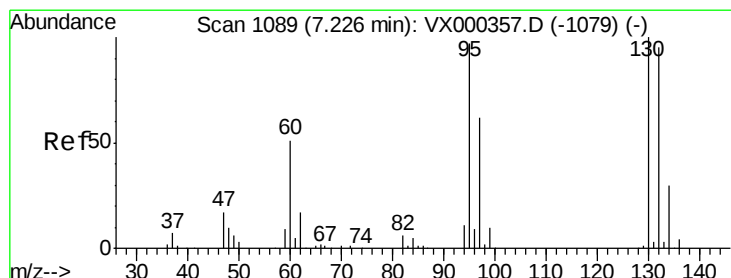
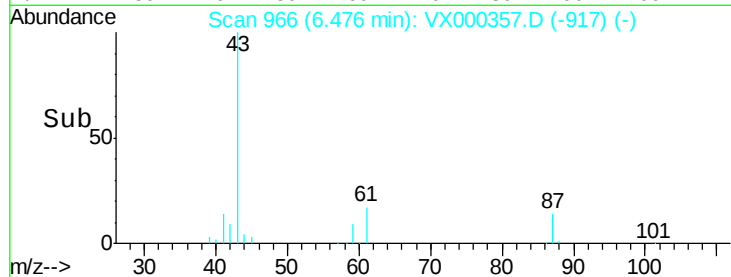
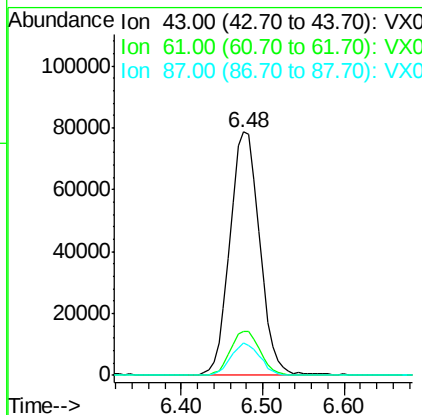
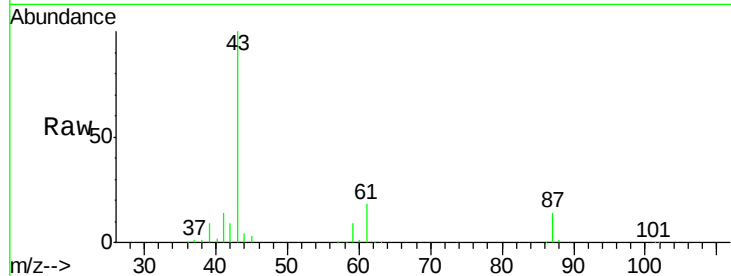
Isopropyl Acetate
 Concen: 55.24 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:	43	Resp:	197957
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.4	21.6
87	13.0	11.0	16.4

Manual Integrations
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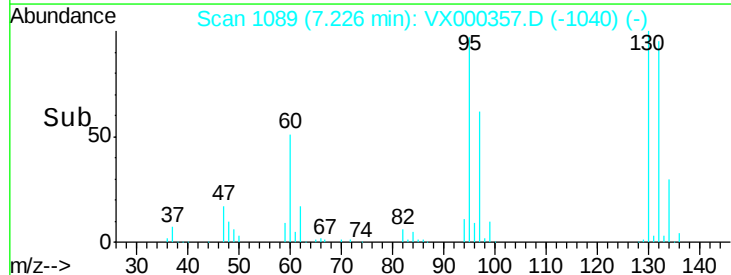
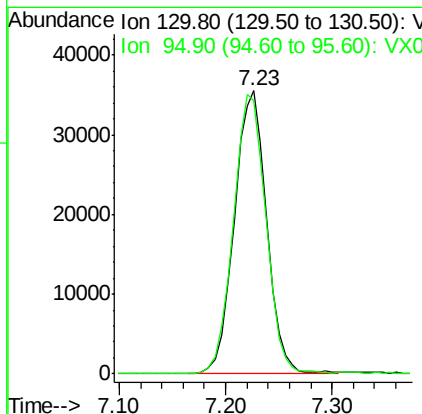
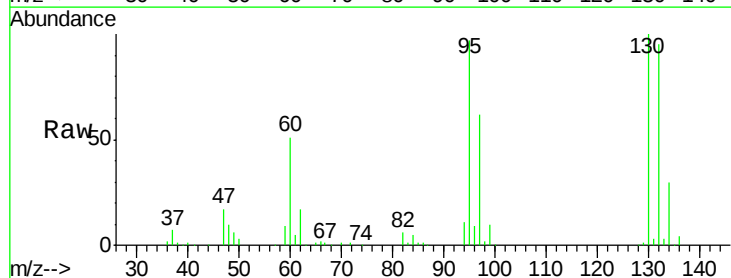
sam
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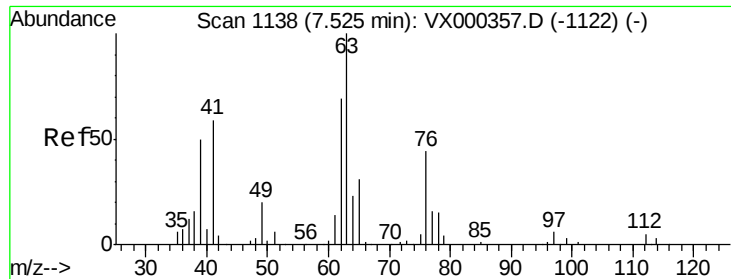


#44

Trichloroethene
 Concen: 49.22 ug/l
 RT: 7.23 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Tgt Ion:	130	Resp:	75596
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	186.0





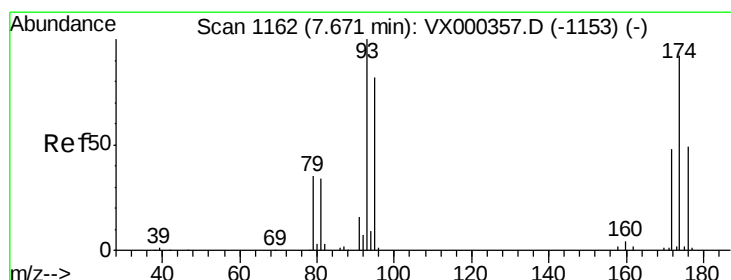
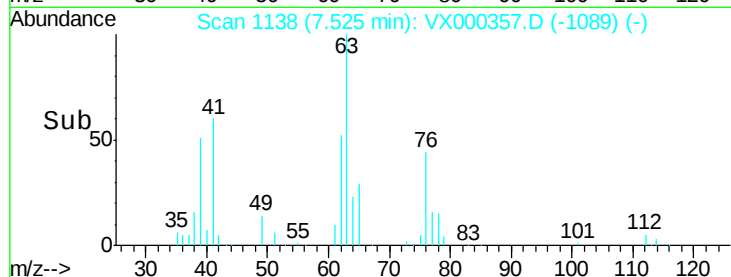
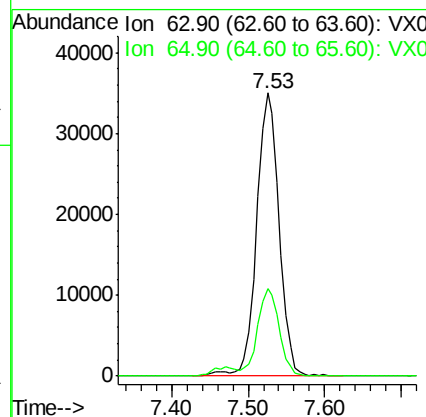
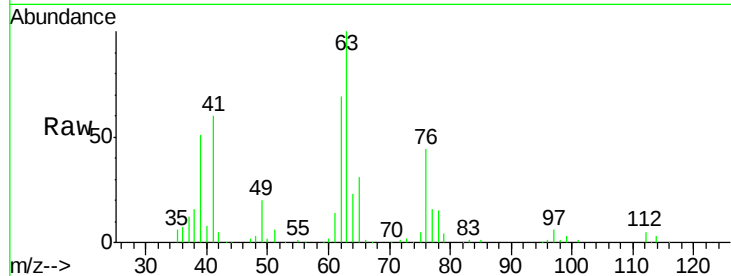
#45
 1,2-Dichloropropane
 Concen: 54.94 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 71819
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8

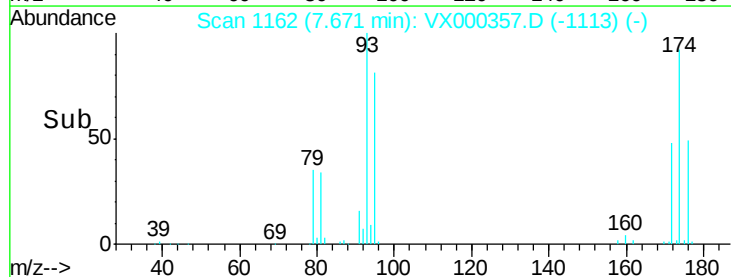
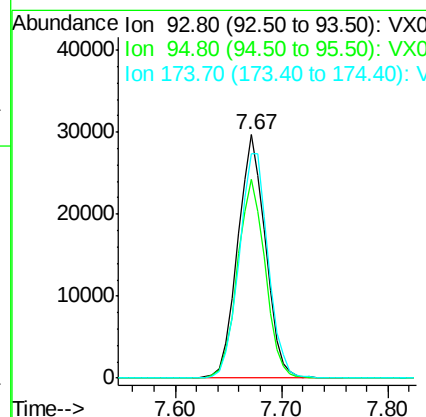
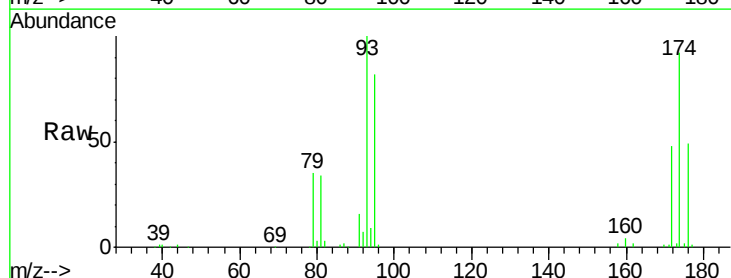
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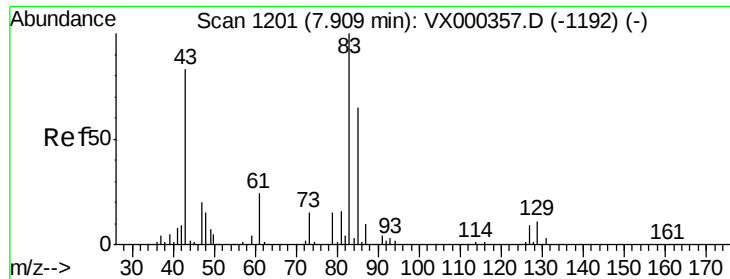
sam
 3/21/2018 11:44:40 AM



#46
 Dibromomethane
 Concen: 51.92 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Tgt Ion: 93 Resp: 54520
 Ion Ratio Lower Upper
 93 100
 95 81.2 66.5 99.7
 174 96.4 76.0 114.0





#47

Bromodichloromethane

Concen: 55.05 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000357.D

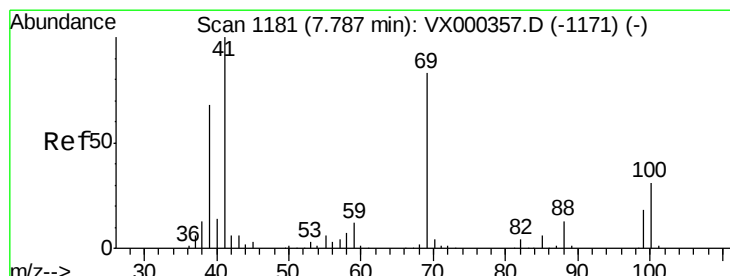
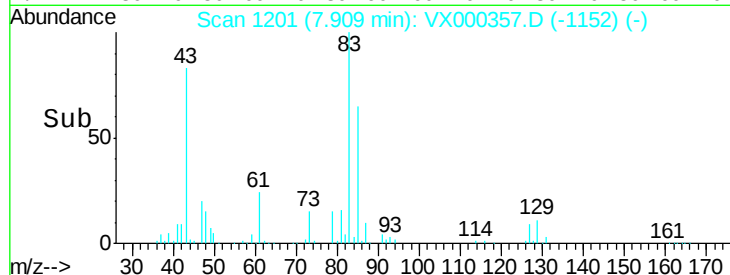
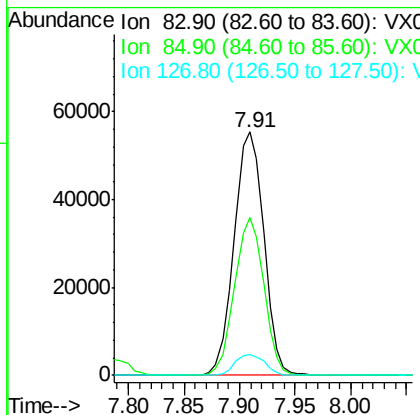
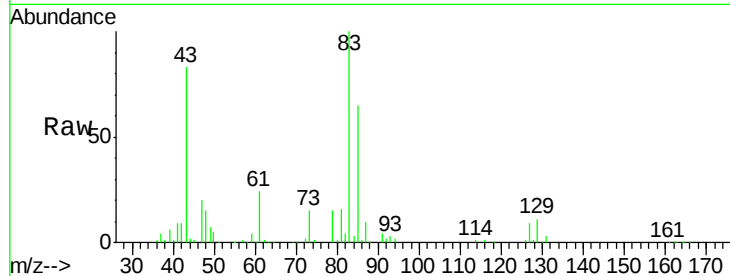
Acq: 20 Mar 2018 11:44

Tot Ion:	83	Resp:	102618
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.0
127	8.8	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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sam
3/21/2018 11:44:40 AM



#48

Methyl methacrylate

Concen: 53.14 ug/l

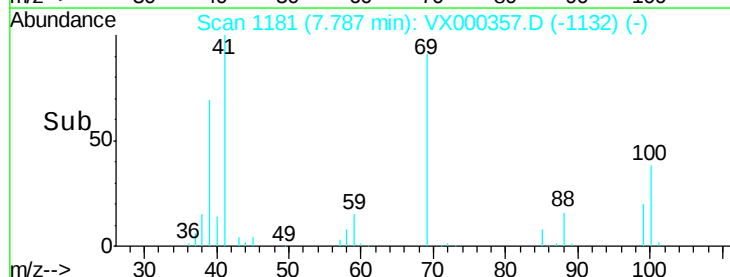
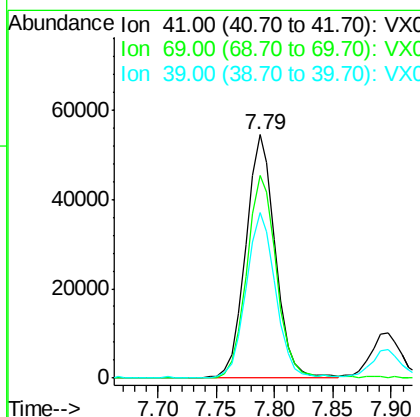
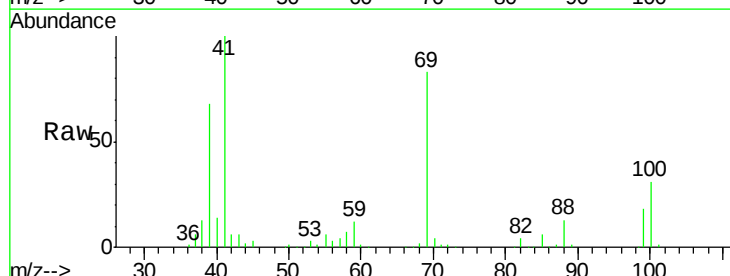
RT: 7.79 min Scan# 1181

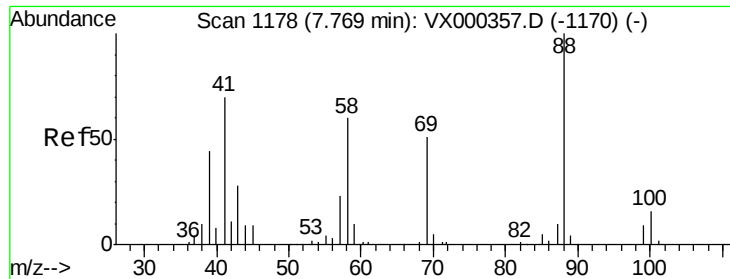
Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Tgt Ion:	41	Resp:	96284
Ion	Ratio	Lower	Upper
41	100		
69	84.2	68.2	102.4
39	67.7	54.6	81.8





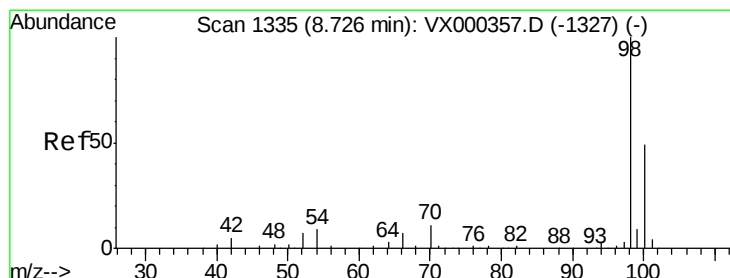
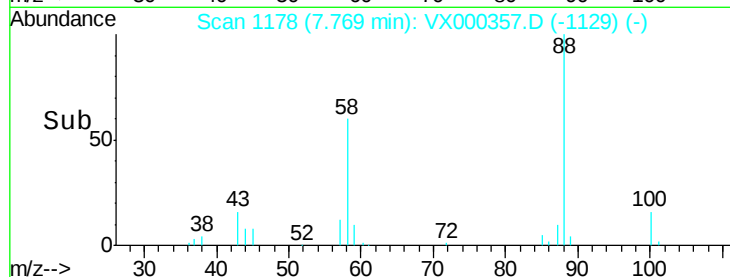
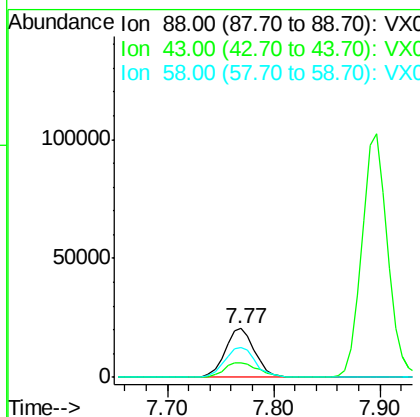
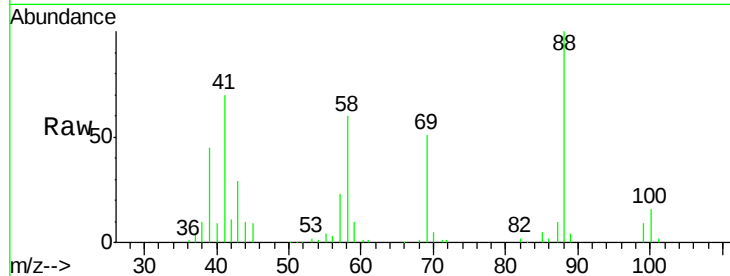
#49
1,4-Dioxane
Concen: 972.27 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	26.8	40.2
58	64.5	52.2	78.2

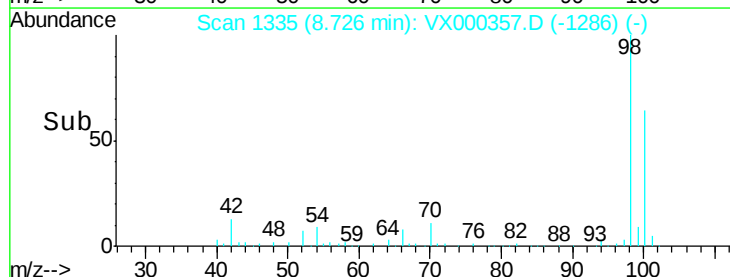
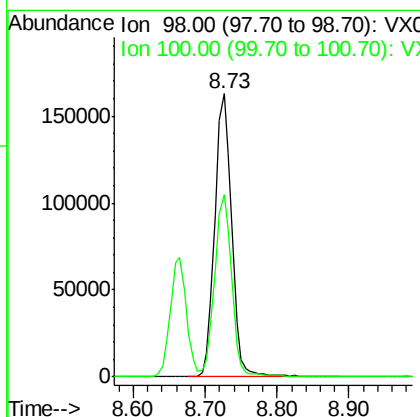
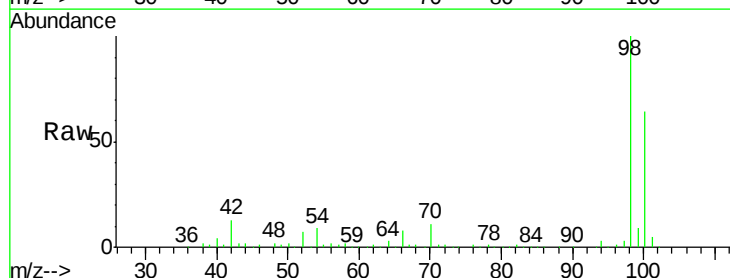
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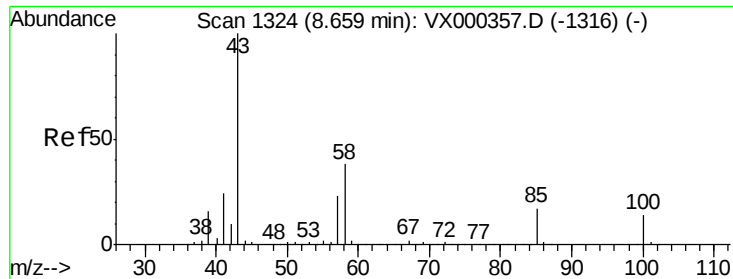
sam
3/21/2018 11:44:40 AM



#50
Toluene-d8
Concen: 48.83 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 270.61 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 753093

Ion Ratio Lower Upper

43 100

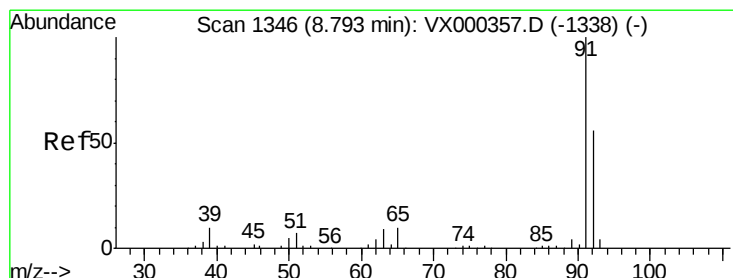
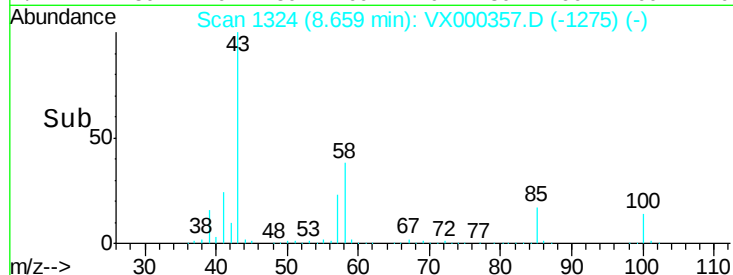
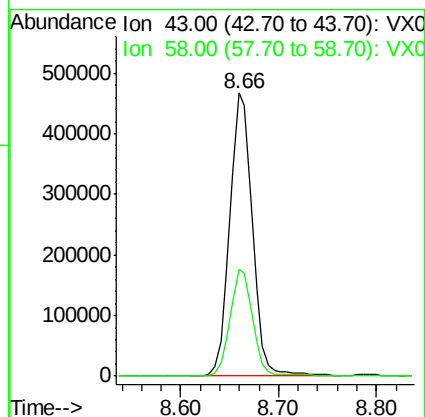
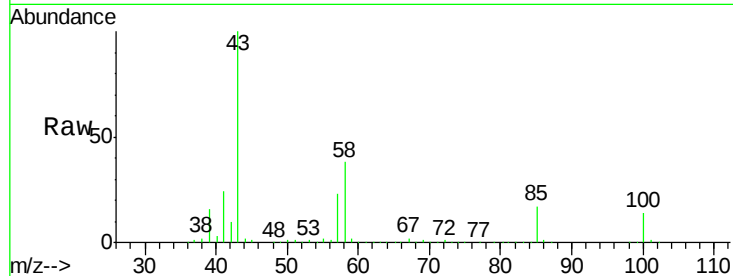
58 37.2 30.3 45.5

Manual Integrations

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sam

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#52

Toluene

Concen: 50.55 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000357.D

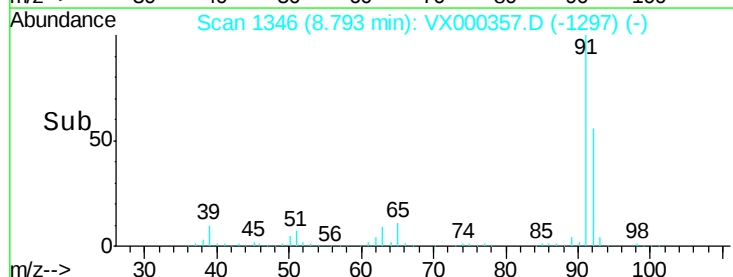
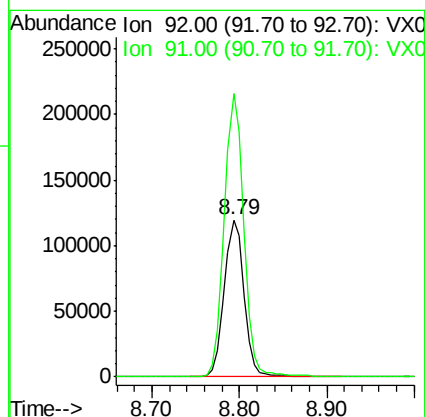
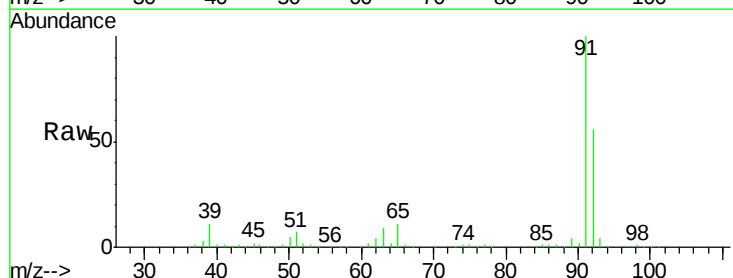
Acq: 20 Mar 2018 11:44

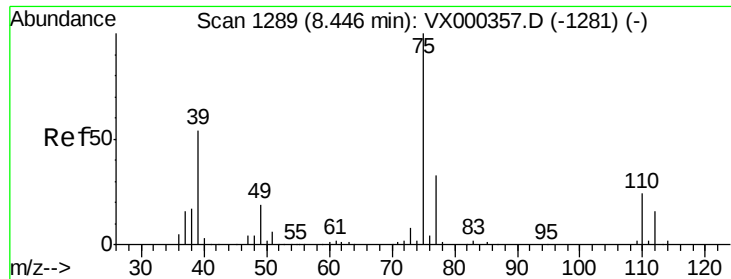
Tgt Ion: 92 Resp: 188210

Ion Ratio Lower Upper

92 100

91 178.1 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 54.15 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 116494

Ion Ratio Lower Upper

75 100

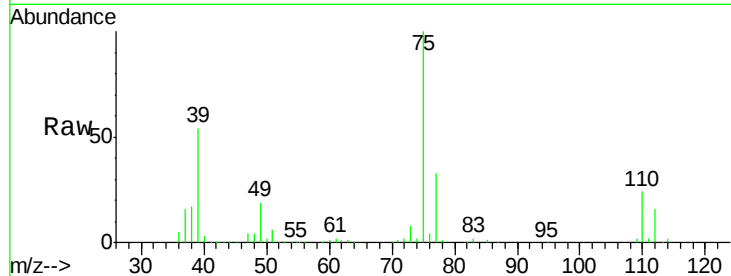
77 32.7 24.0 36.0

Manual Integrations

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sam

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.45

80000

60000

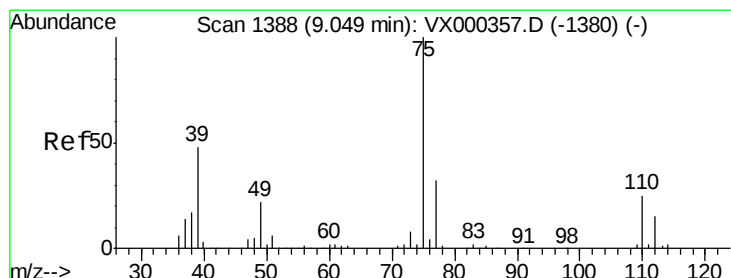
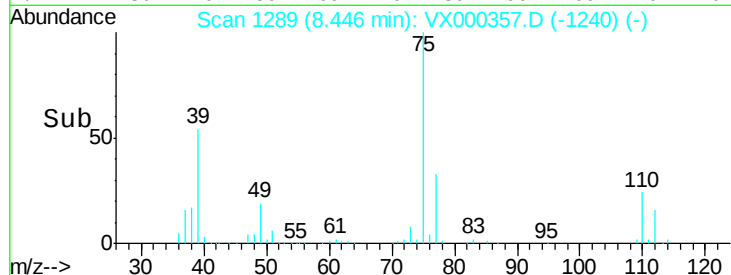
40000

20000

0

8.35 8.40 8.45 8.50 8.55

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.47 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

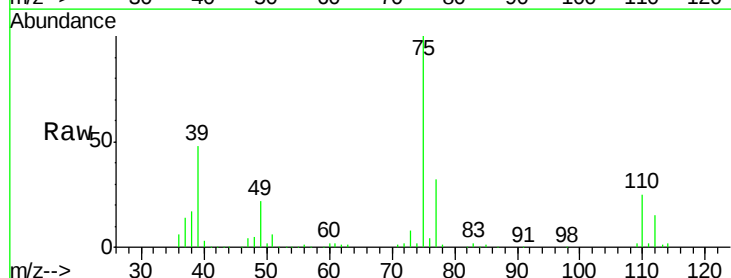
Tgt Ion: 75 Resp: 114595

Ion Ratio Lower Upper

75 100

77 32.0 26.1 39.1

39 48.2 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

100000

80000

60000

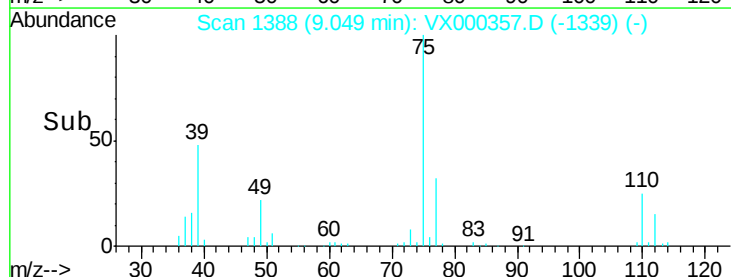
40000

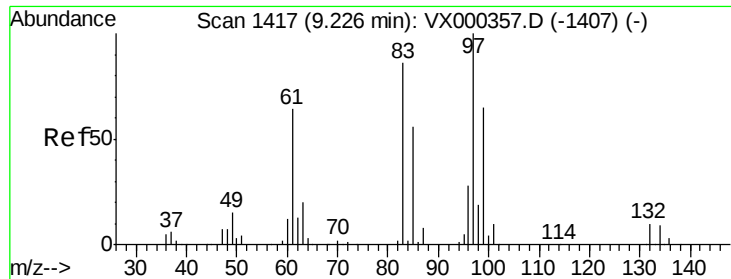
20000

0

9.00 9.10

Time-->





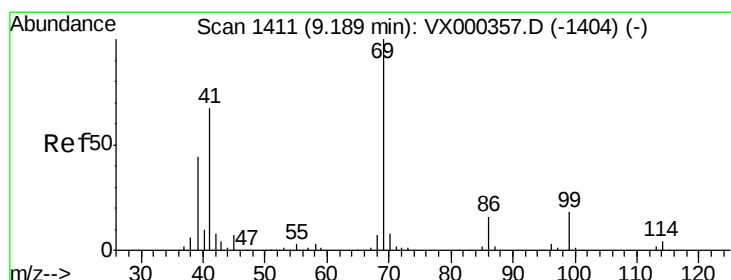
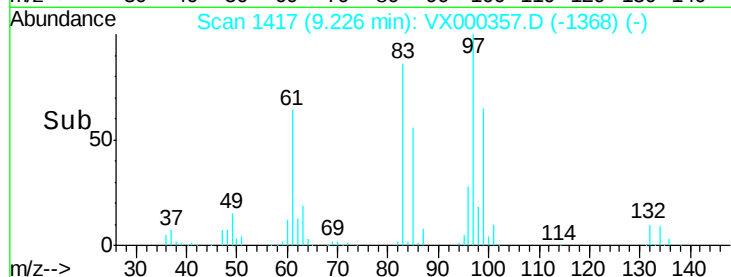
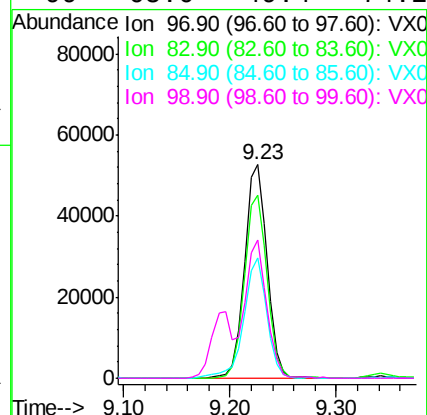
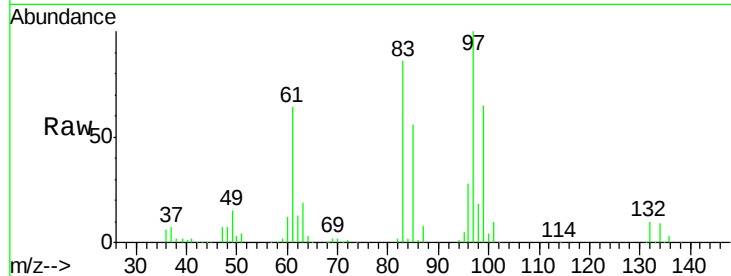
#55
 1,1,2-Trichloroethane
 Concen: 52.59 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	85.5	67.9	101.9		
85	56.2	42.8	64.2		
99	65.0	49.4	74.2		

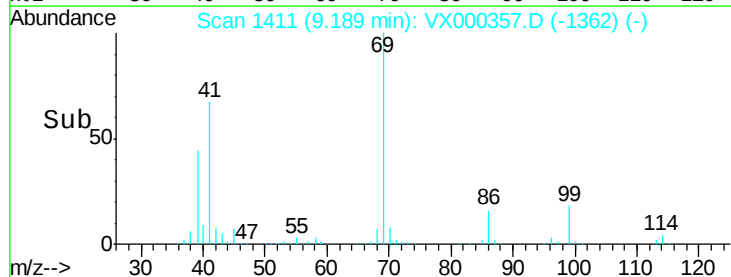
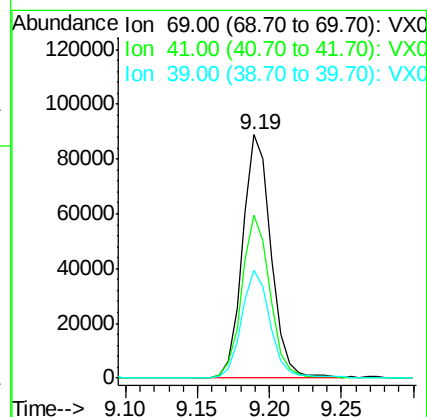
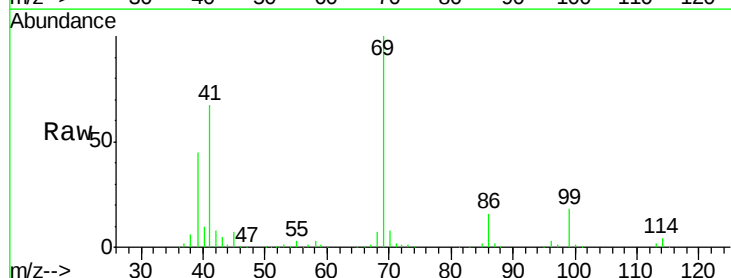
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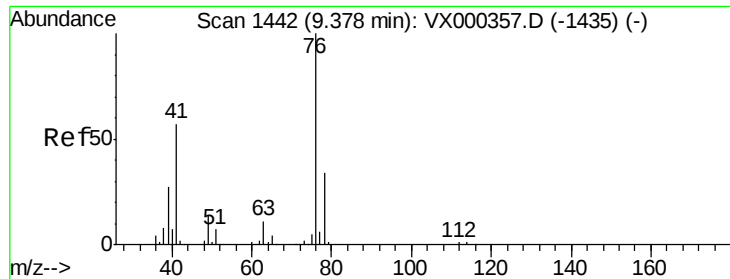
sam
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#56
 Ethyl methacrylate
 Concen: 54.92 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	66.7	53.0	79.6		
39	44.7	35.3	52.9		





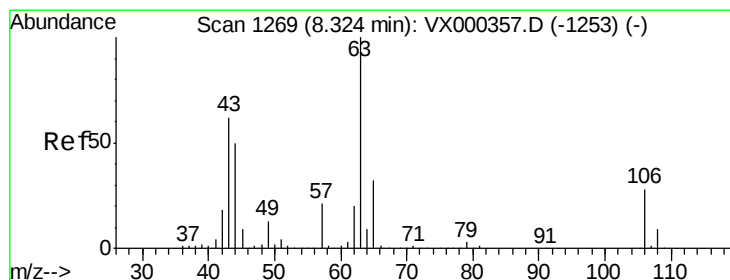
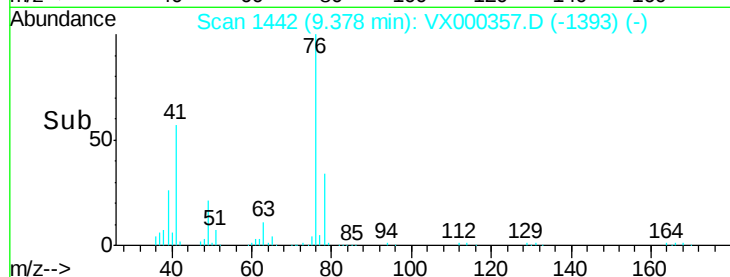
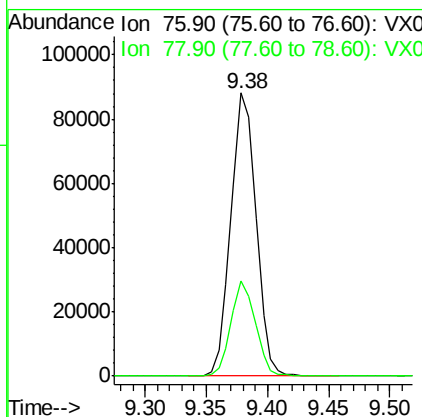
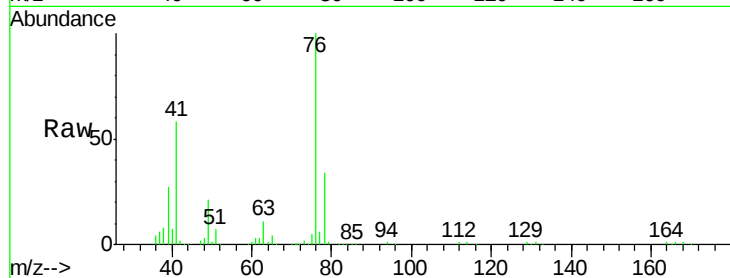
#57
 1,3-Dichloropropane
 Concen: 51.86 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.4	39.6

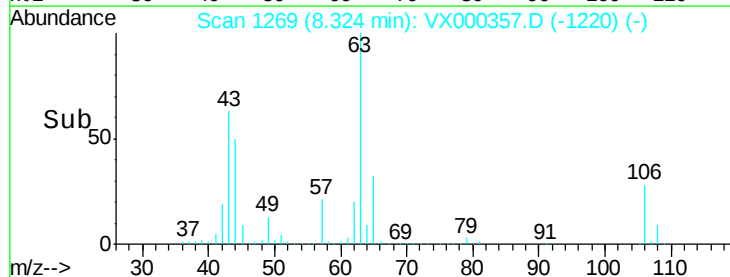
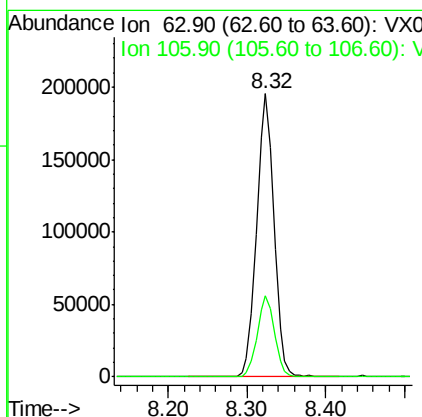
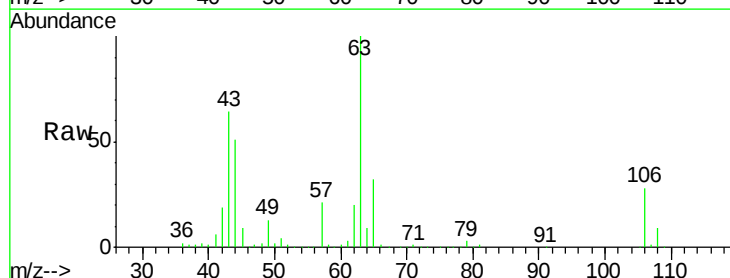
Manual Integrations
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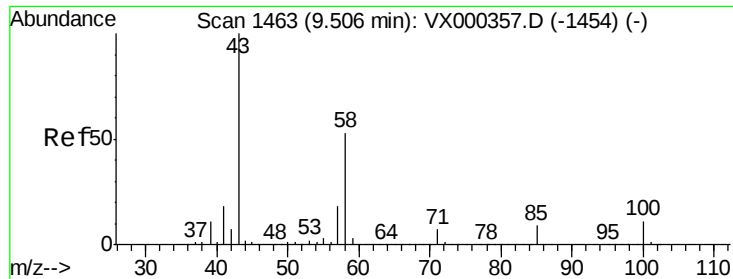
sam
 3/21/2018 11:44:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 295.71 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	23.2	34.8





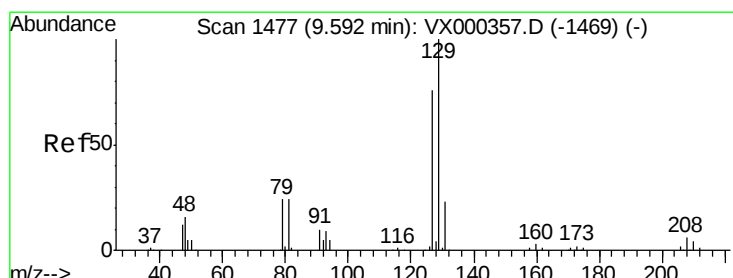
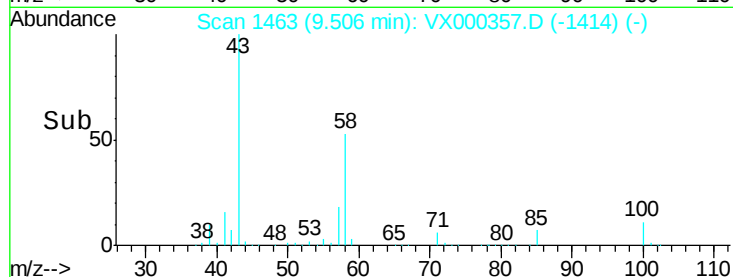
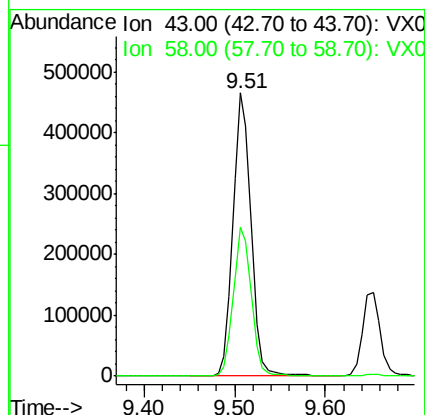
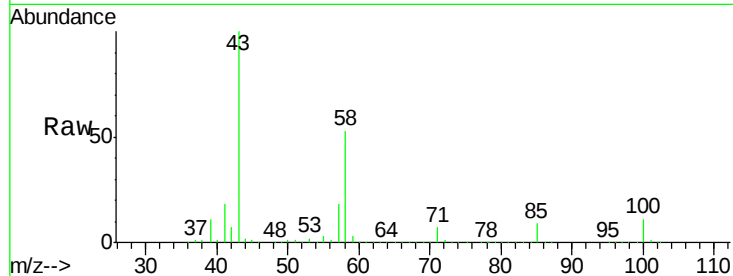
#59
2-Hexanone
Concen: 272.53 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 638997
Ion Ratio Lower Upper
43 100
58 52.6 26.6 79.7

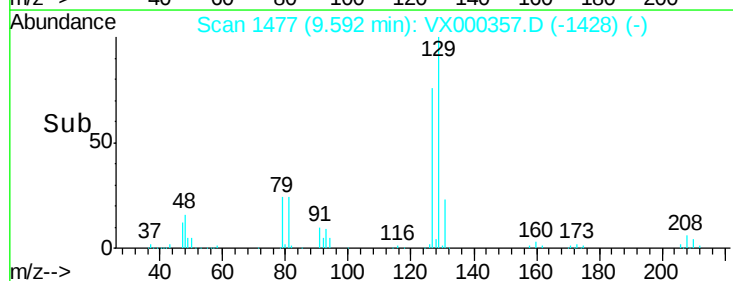
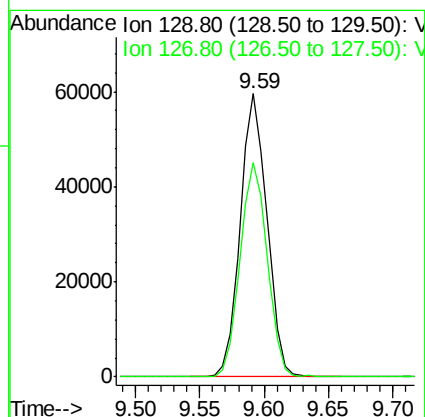
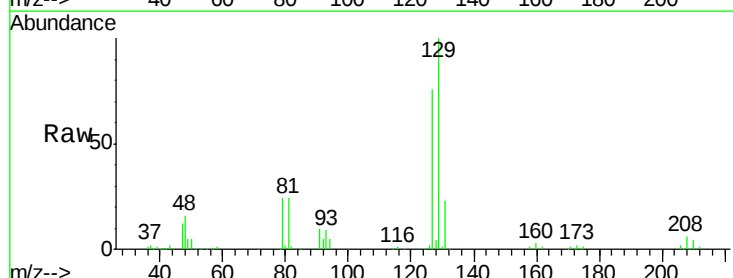
Manual Integrations
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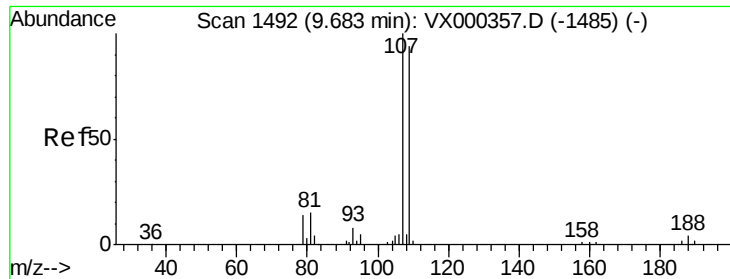
sam
3/21/2018 11:44:40 AM



#60
Dibromochloromethane
Concen: 54.11 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion: 129 Resp: 85469
Ion Ratio Lower Upper
129 100
127 76.9 37.9 113.6





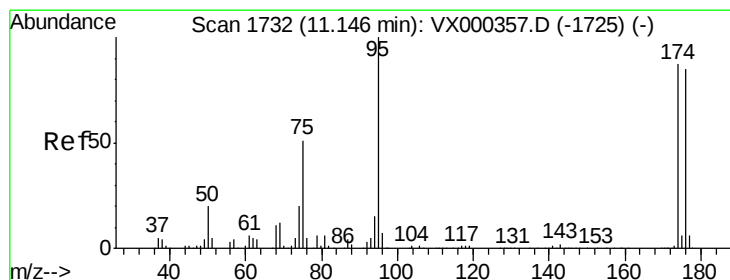
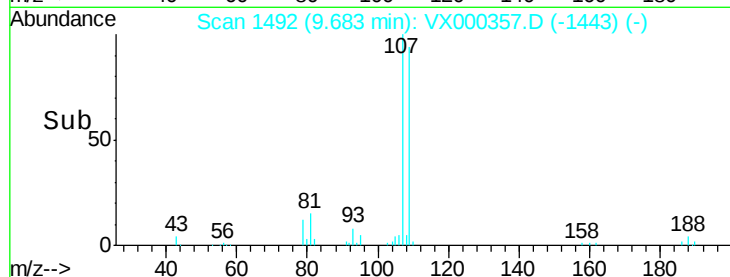
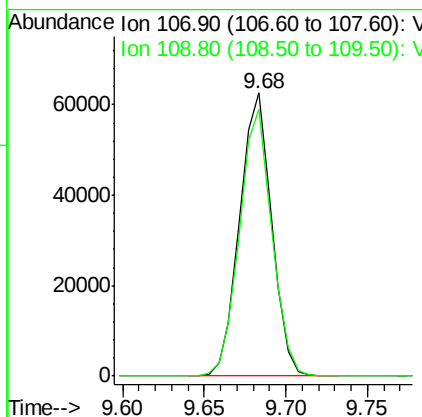
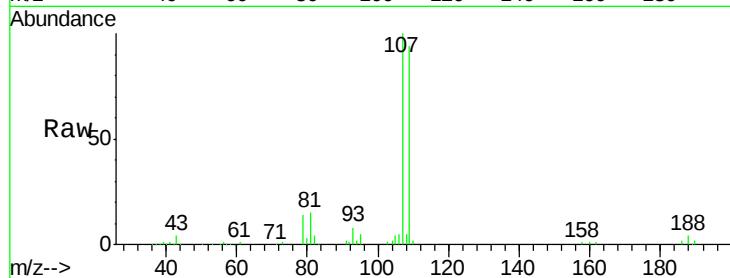
#61
 1,2-Dibromoethane
 Concen: 51.89 ug/l
 RT: 9.68 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.1	114.1

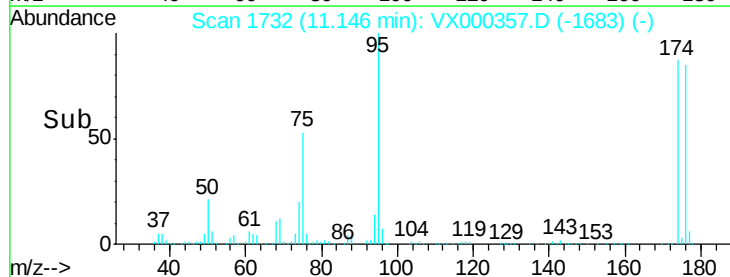
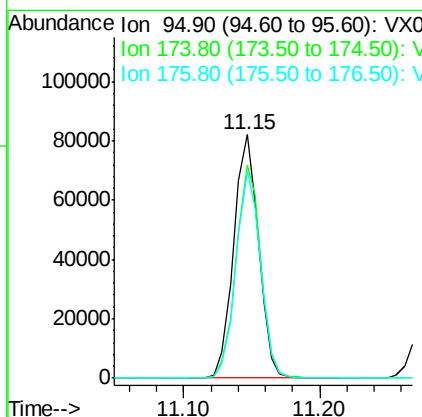
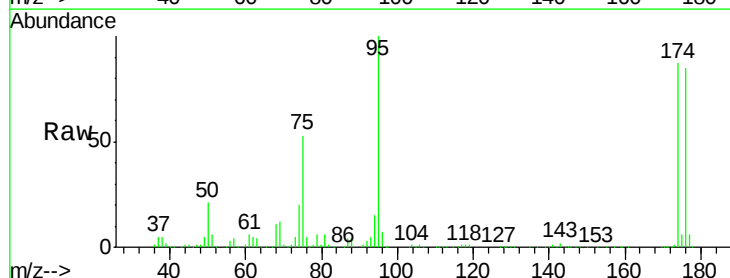
Manual Integrations
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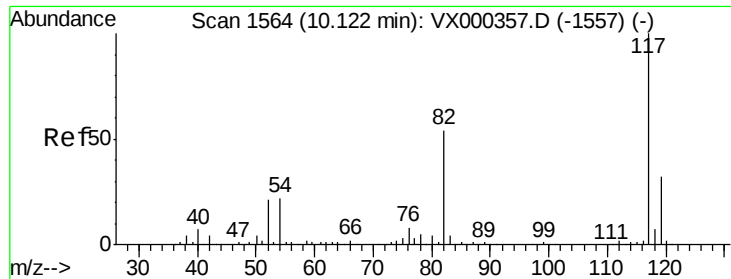
sam
 3/21/2018 11:44:40 AM



#62
 4-Bromofluorobenzene
 Concen: 47.92 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.5	0.0	173.6
176	84.1	0.0	164.6





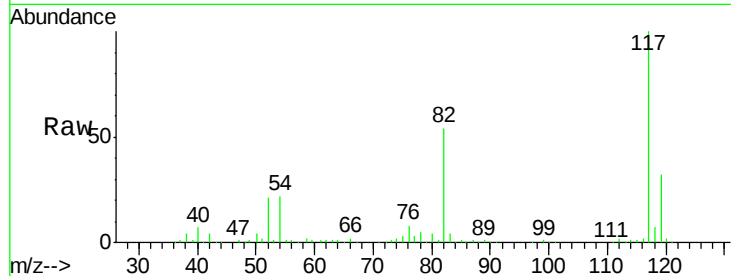
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.8	65.8
119	31.9	24.9	37.3

Manual Integrations
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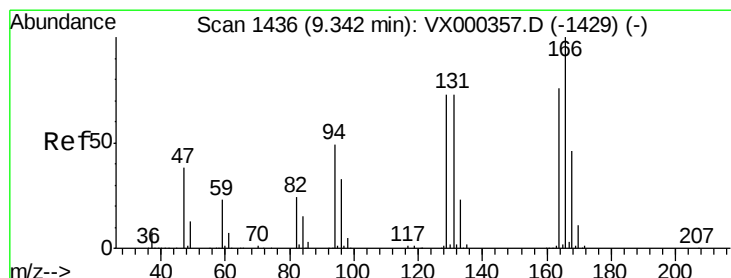
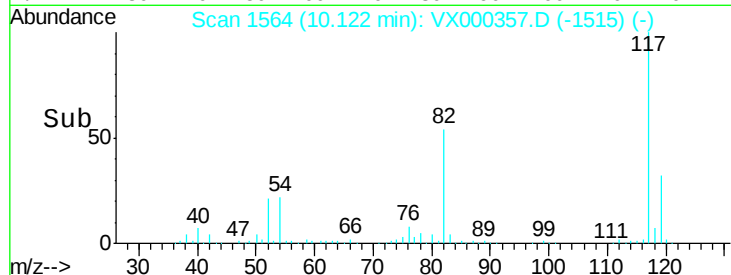
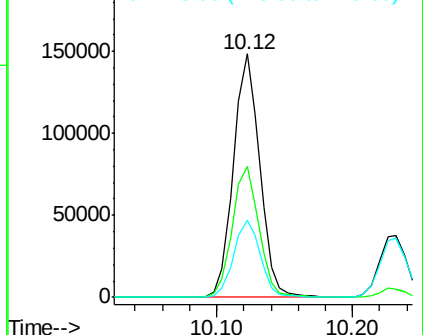


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.53 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	101.0	151.6
129	96.3	79.0	118.4
131	96.8	71.9	107.9

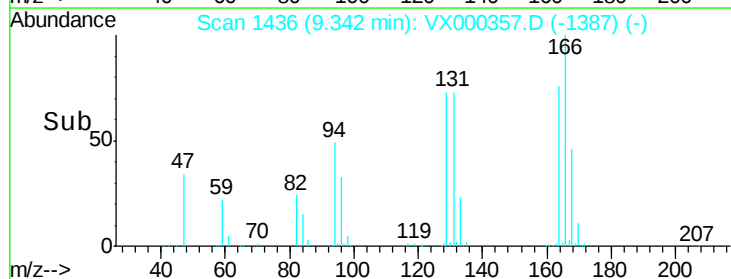
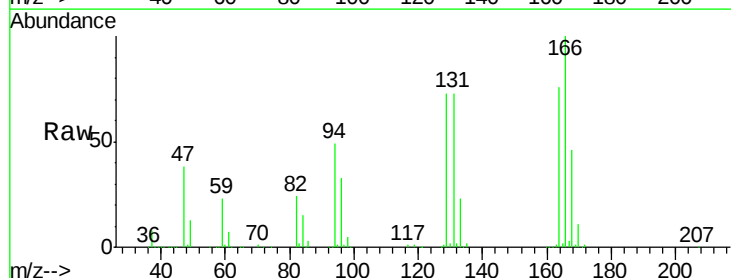
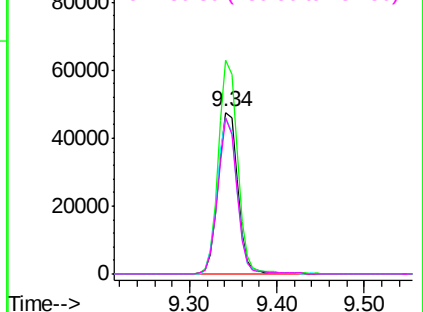
Abundance

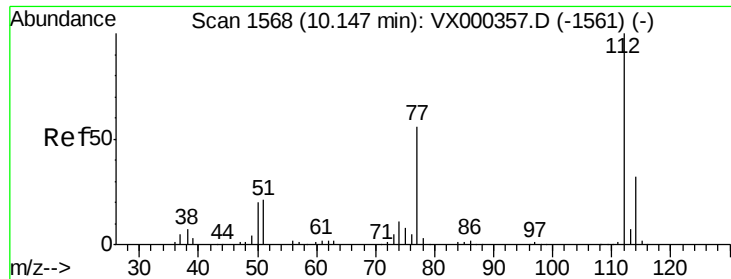
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





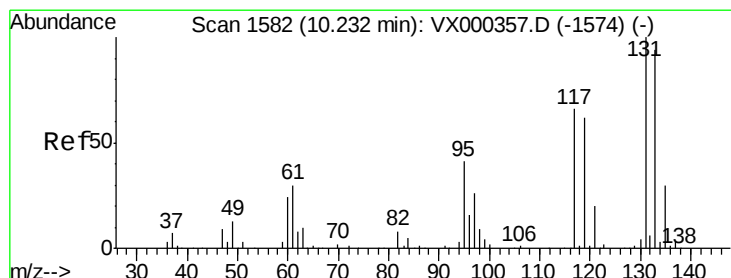
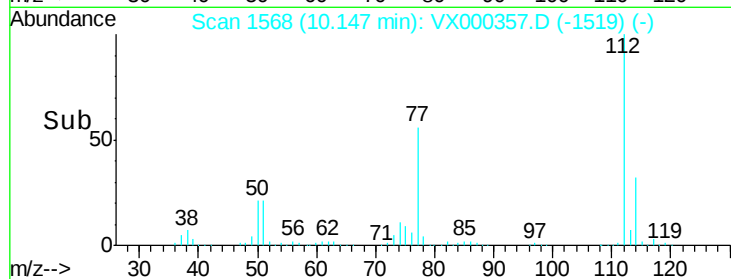
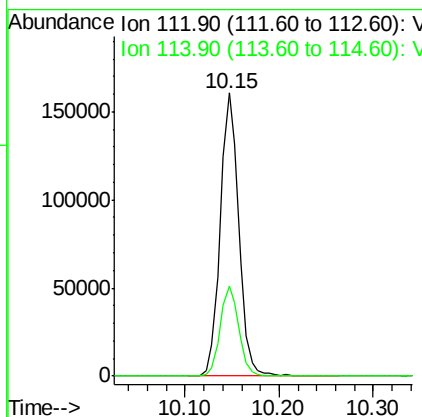
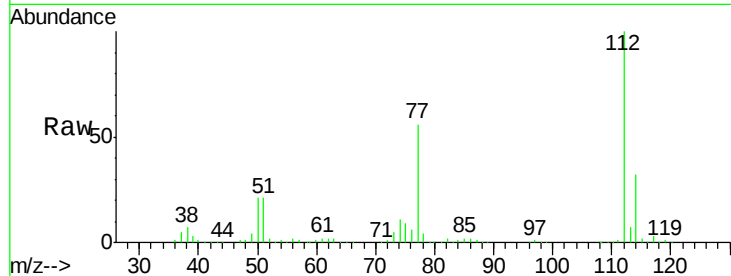
#65
Chlorobenzene
Concen: 53.55 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 219110
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

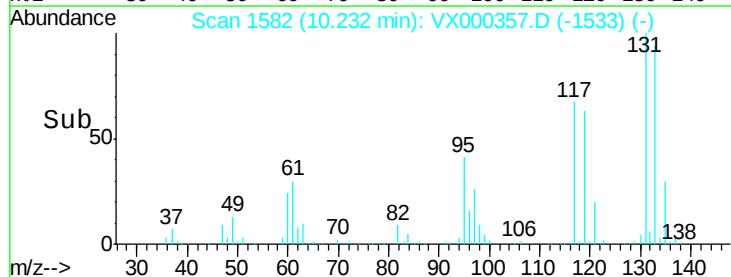
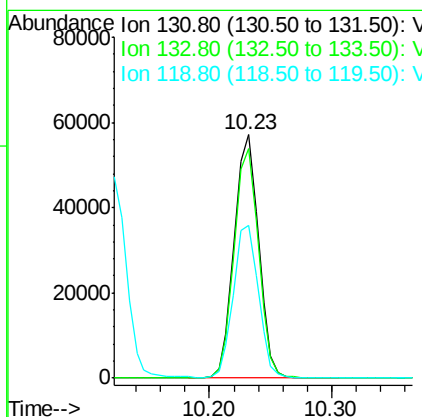
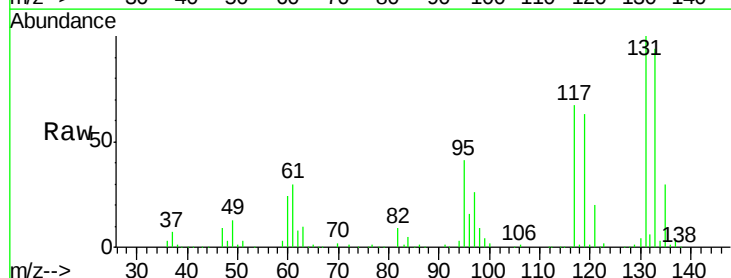
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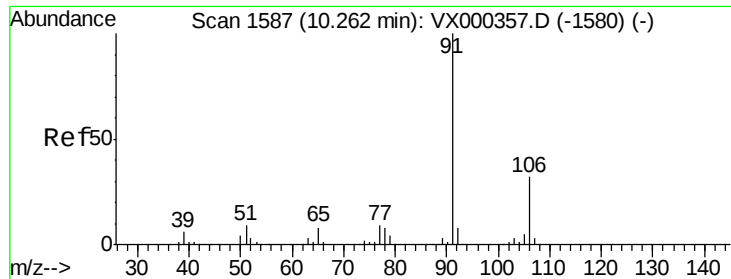
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.23 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion:131 Resp: 78750
Ion Ratio Lower Upper
131 100
133 94.3 47.1 141.3
119 64.6 33.1 99.2





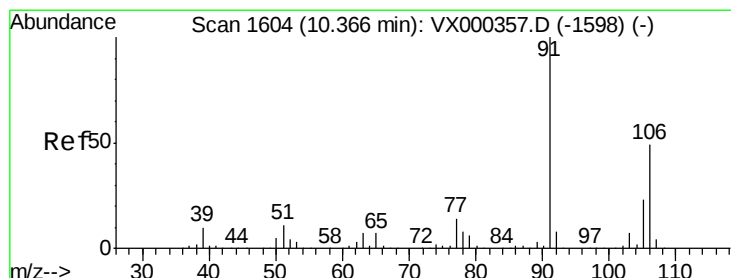
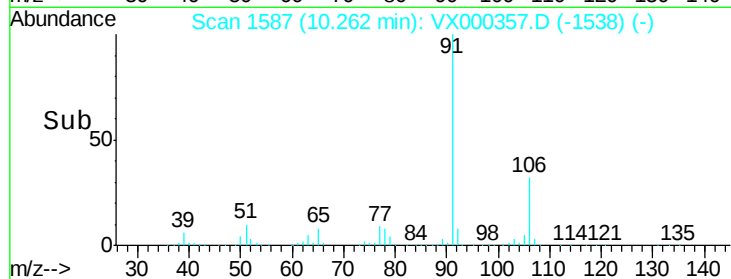
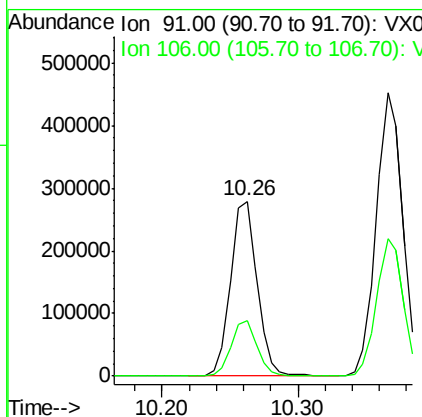
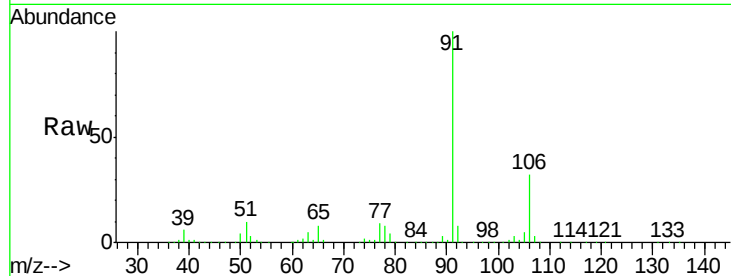
#67
Ethyl Benzene
Concen: 54.63 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 381079
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6

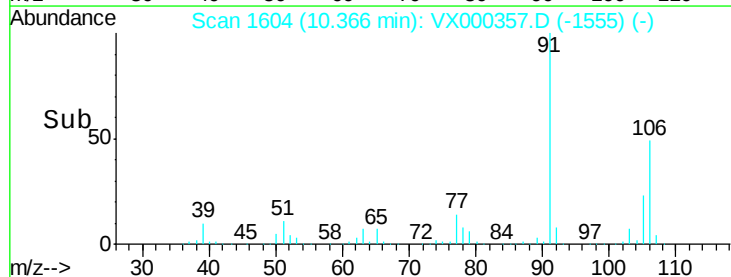
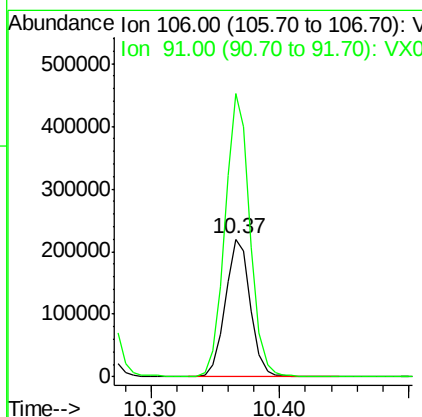
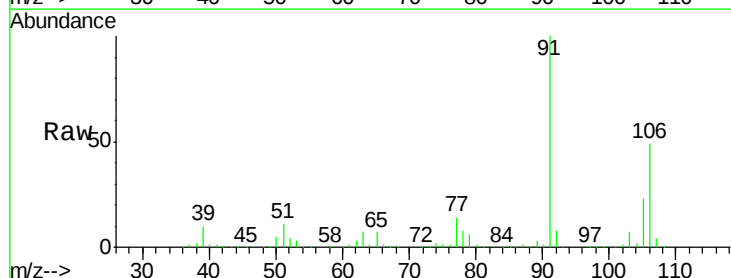
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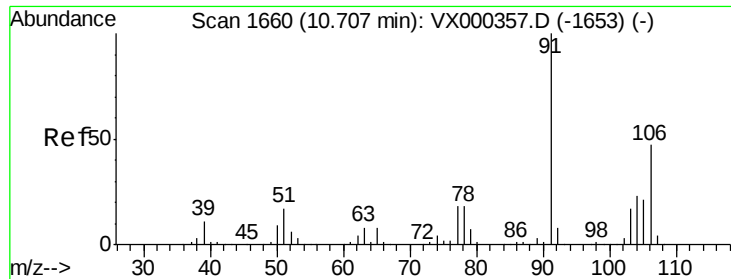
sam
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#68
m/p-Xylenes
Concen: 110.38 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion: 106 Resp: 299973
Ion Ratio Lower Upper
106 100
91 205.4 163.4 245.2





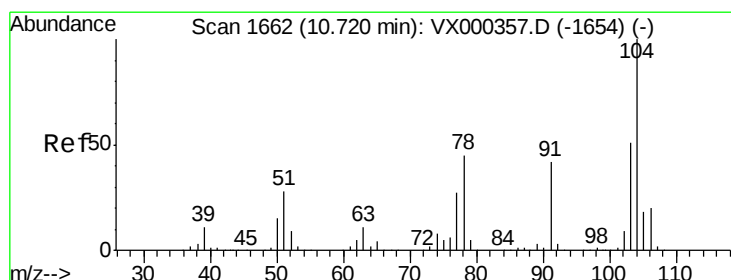
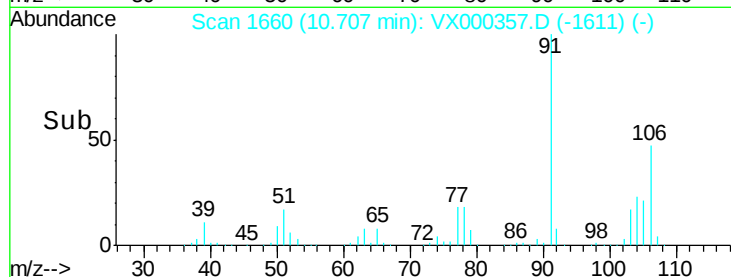
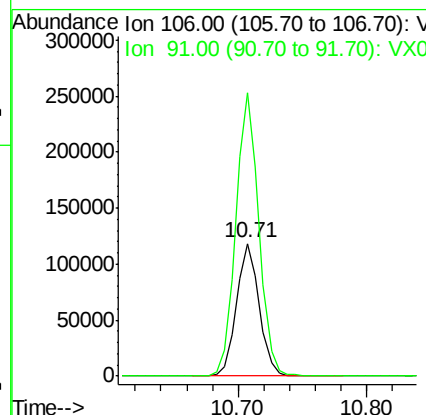
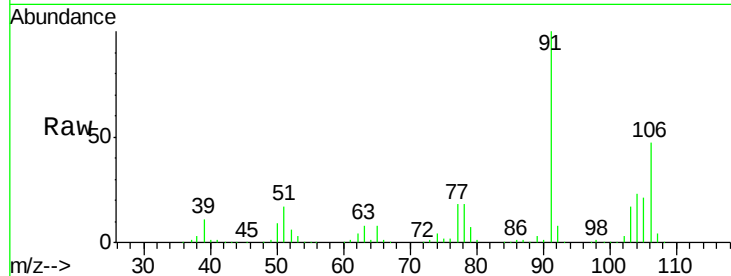
#69
o-Xylene
Concen: 55.29 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 145968
Ion Ratio Lower Upper
106 100
91 216.5 106.5 319.6

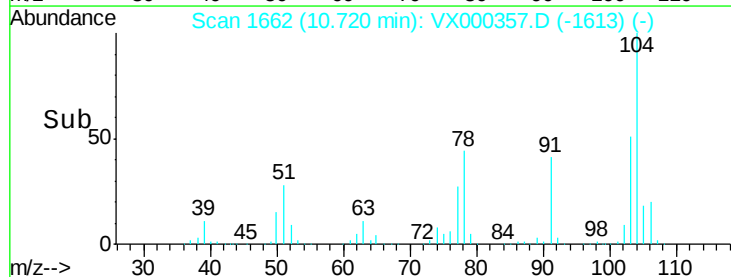
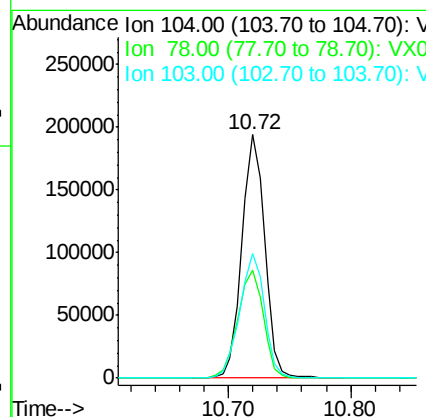
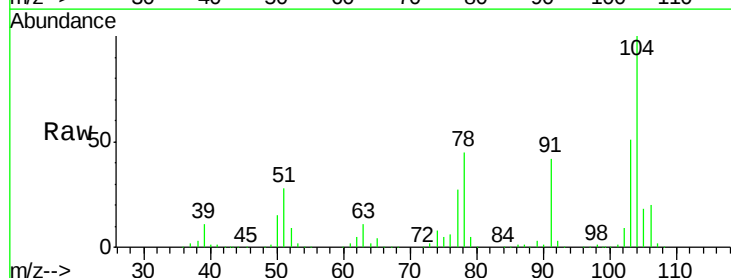
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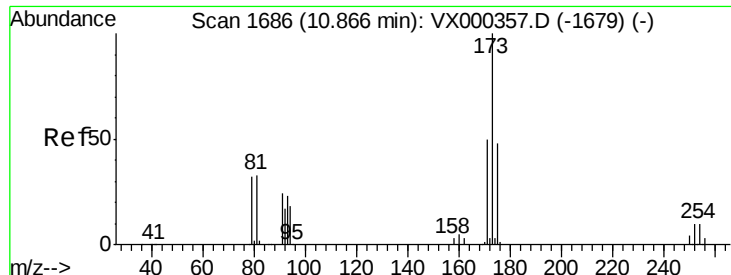
sam
3/21/2018 11:44:40 AM



#70
Styrene
Concen: 57.19 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion:104 Resp: 250560
Ion Ratio Lower Upper
104 100
78 49.9 40.5 60.7
103 55.5 45.7 68.5





#71

Bromoform

Concen: 57.49 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 69204

Ion Ratio Lower Upper

173 100

175 48.4 25.4 76.4

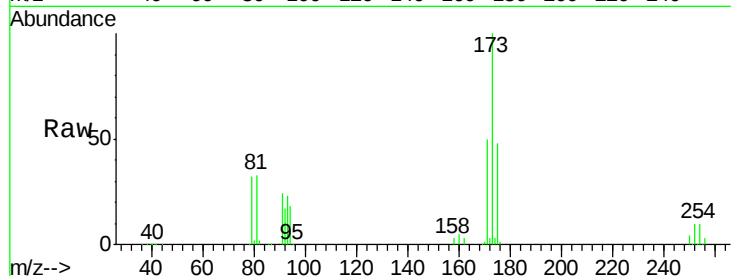
254 0.0 0.0 0.0

Manual Integrations

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sam

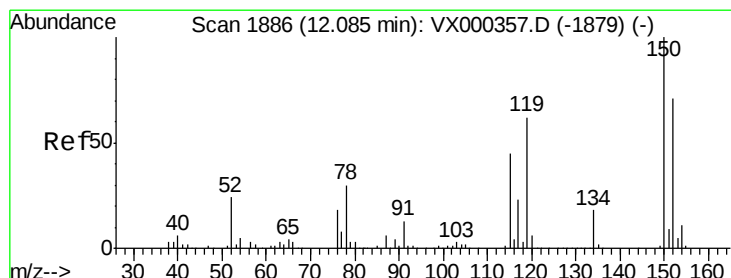
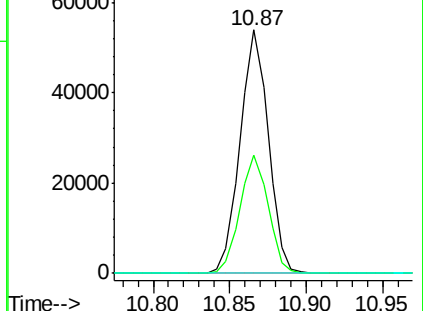
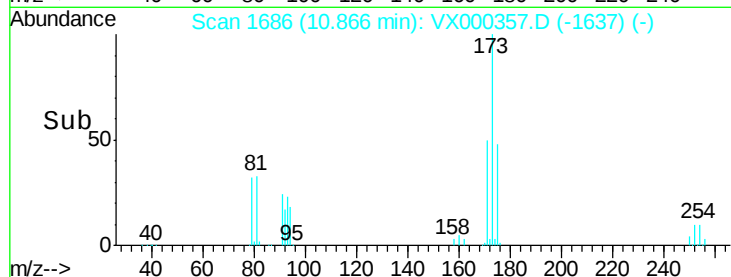
3/21/2018 11:44:40 AM



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: VX000357.D

Acq: 20 Mar 2018 11:44

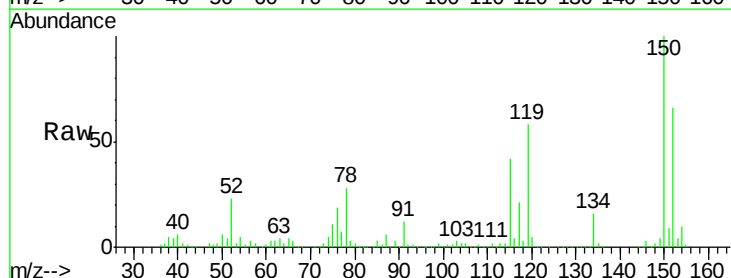
Tgt Ion:152 Resp: 121725

Ion Ratio Lower Upper

152 100

115 83.4 39.8 119.3

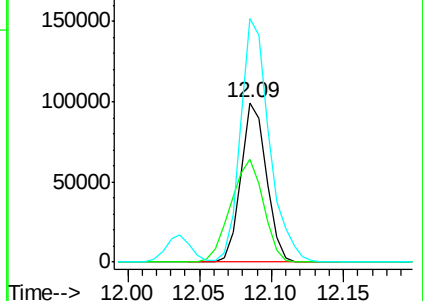
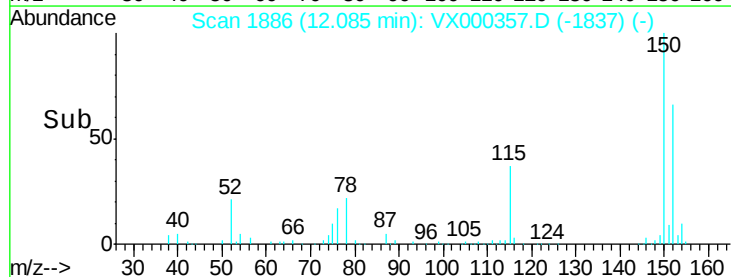
150 172.4 0.0 344.4

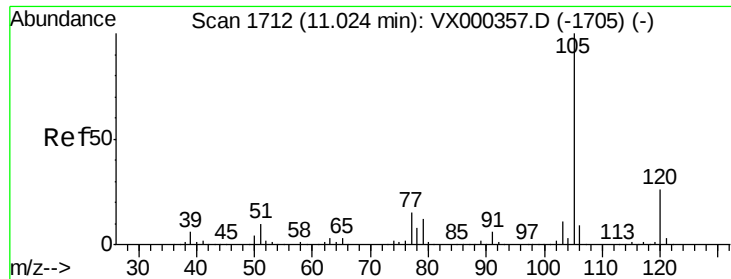


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.58 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 407499

Ion Ratio Lower Upper

105 100

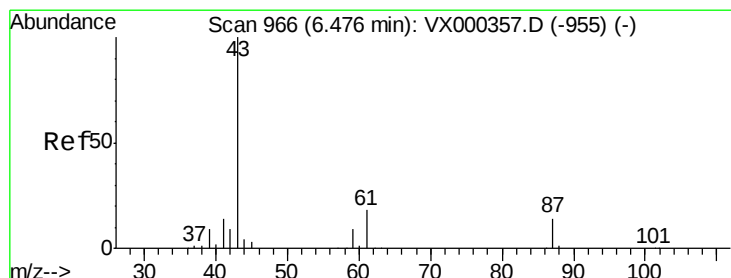
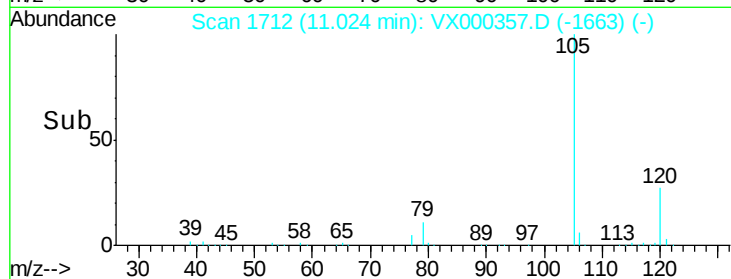
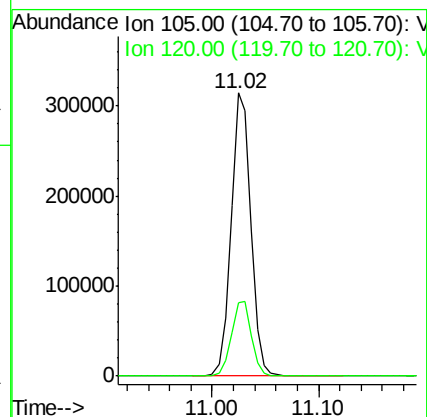
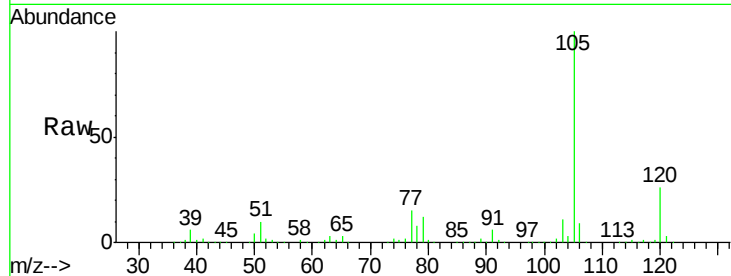
120 26.9 13.6 40.7

Manual Integrations

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sam

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#74

N-ethyl acetate

Concen: 56.40 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Tgt Ion: 43 Resp: 197957

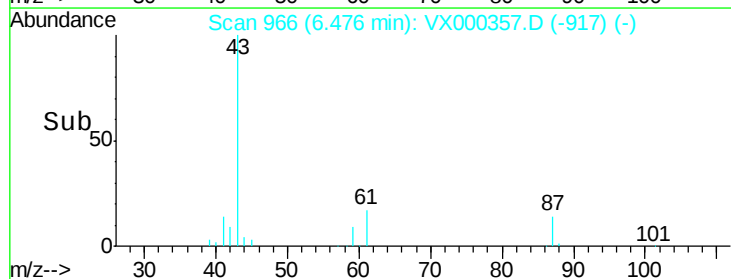
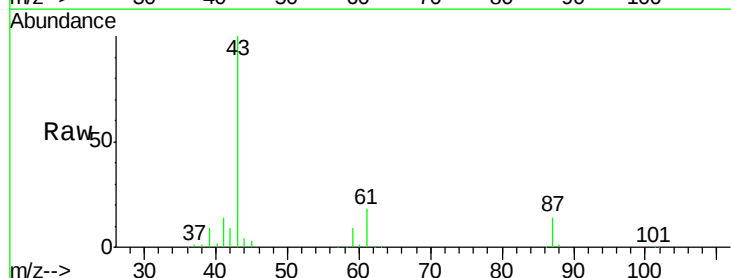
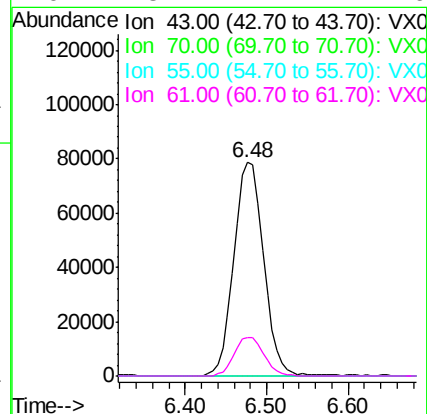
Ion Ratio Lower Upper

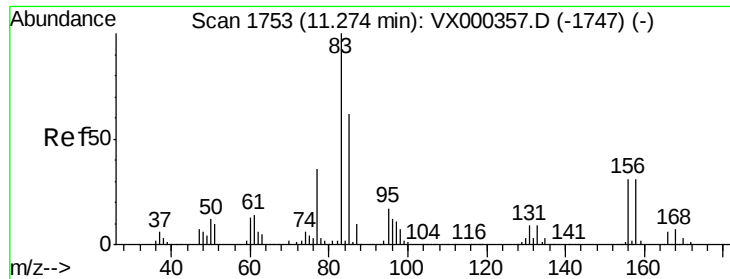
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.2 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.42 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

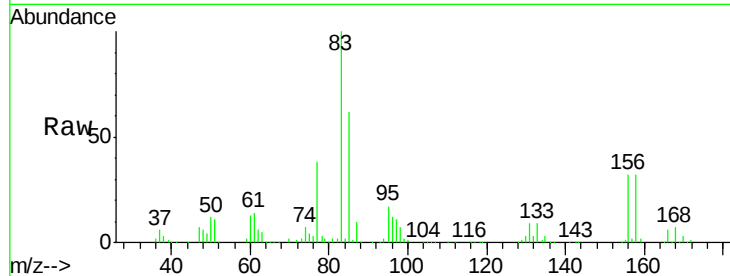
ClientSampled :

VSTDICCC050

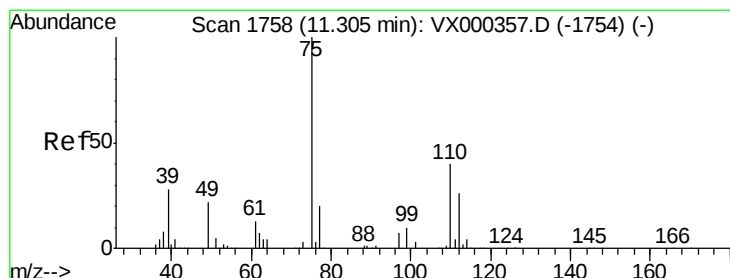
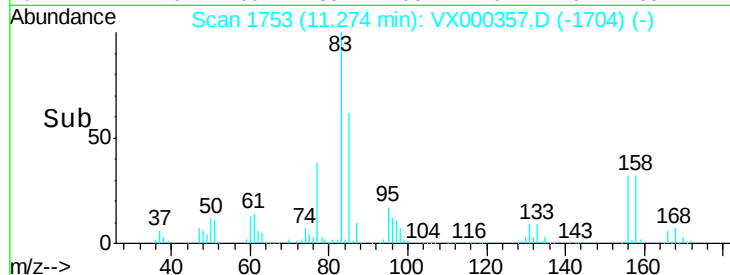
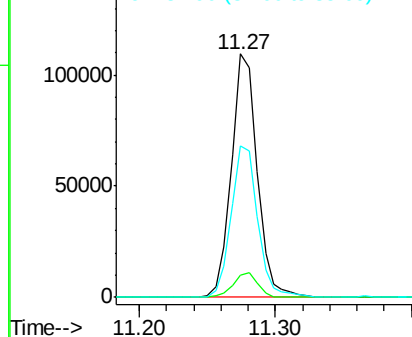
Tot Ion:	83	Resp:	144628
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	64.0	32.5	97.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 53.67 ug/l m

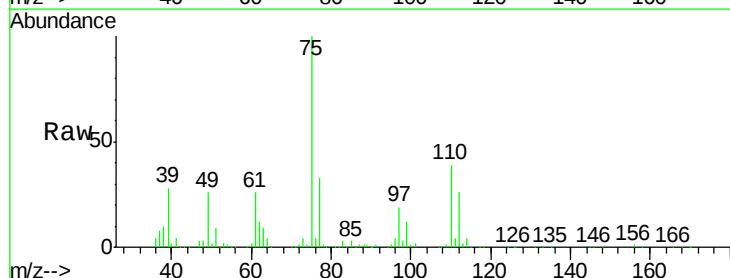
RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

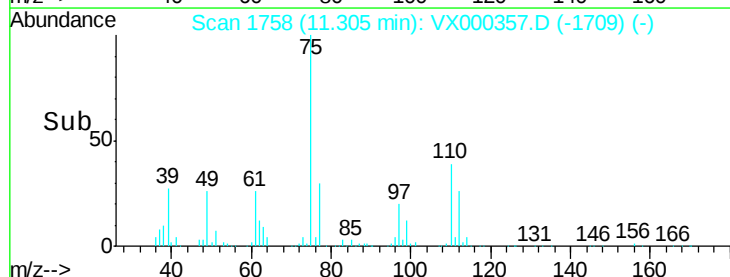
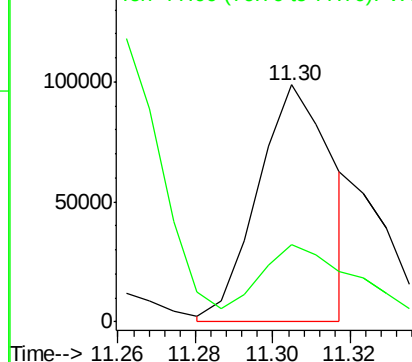
Lab File: VX000357.D

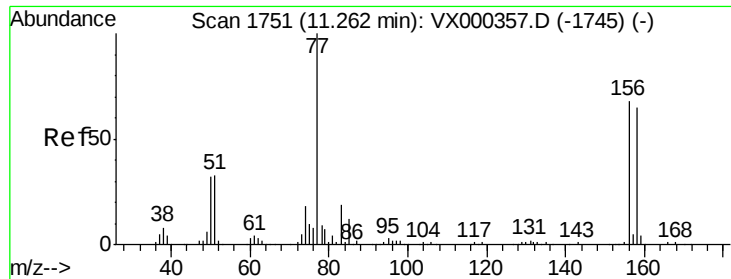
Acq: 20 Mar 2018 11:44

Tgt Ion:	75	Resp:	131520
Ion Ratio	Lower	Upper	
75	100		
77	42.8	21.4	64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.89 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

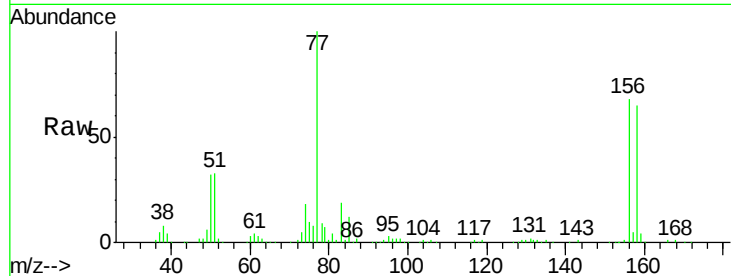
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.5	73.4	220.2
158	97.6	48.5	145.6

Manual Integrations
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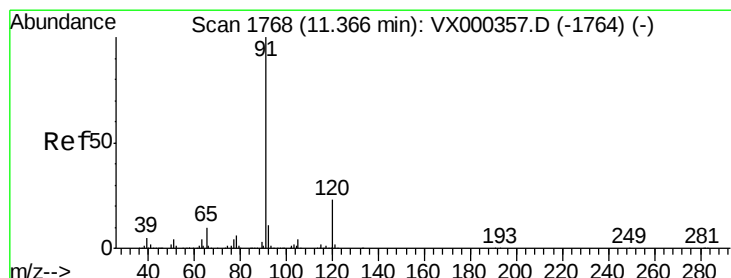
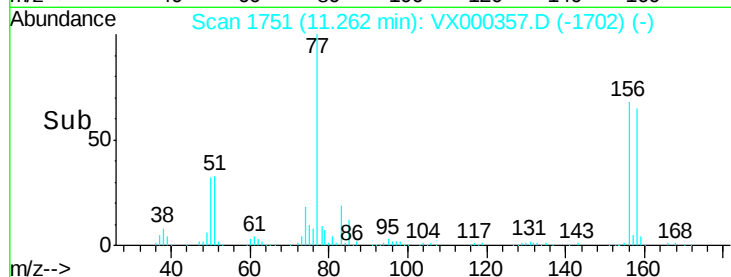
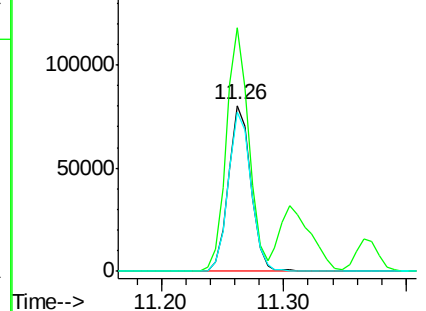
sam
3/21/2018 11:44:40 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.80 ug/l

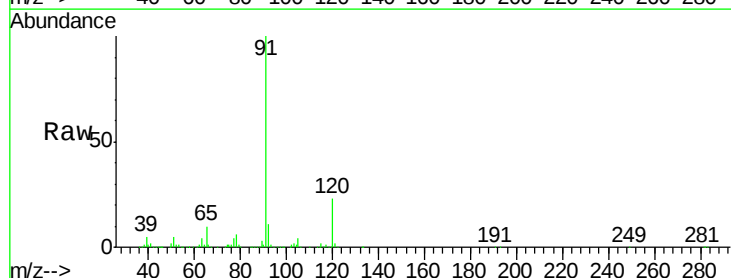
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000357.D

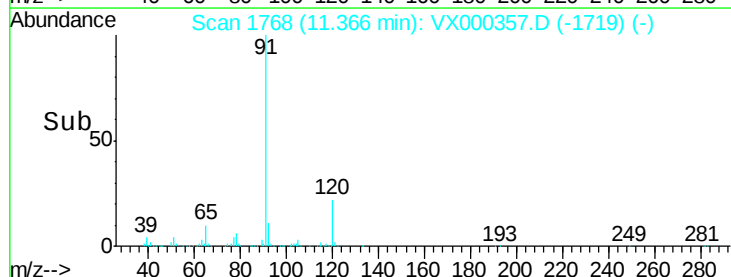
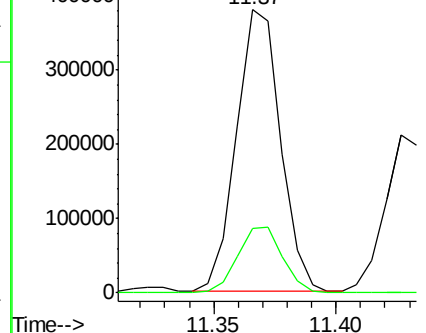
Acq: 20 Mar 2018 11:44

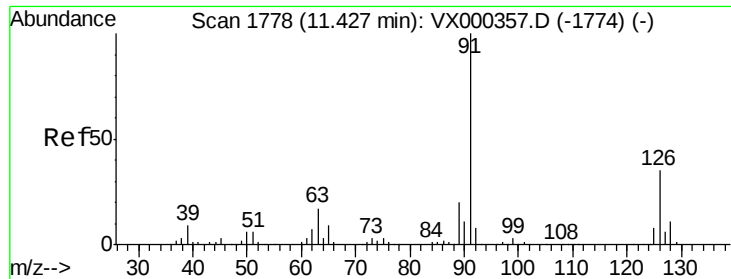
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.15 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 271650

Ion Ratio Lower Upper

91 100

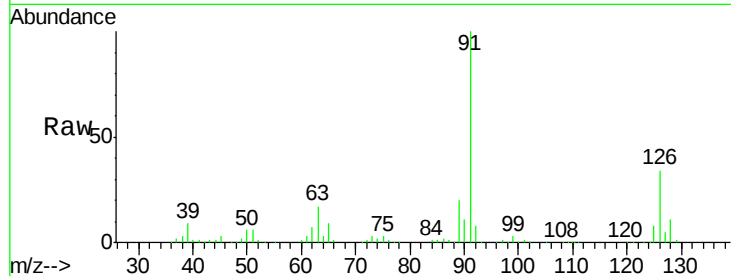
126 35.9 17.7 53.1

Manual Integrations

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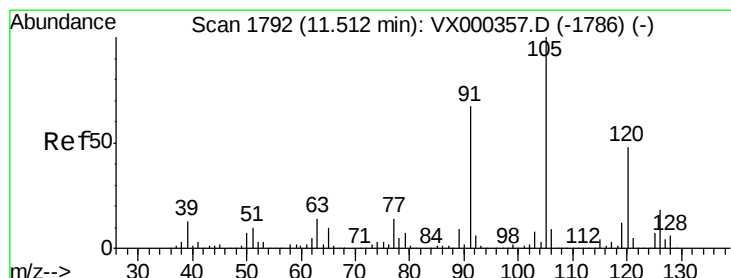
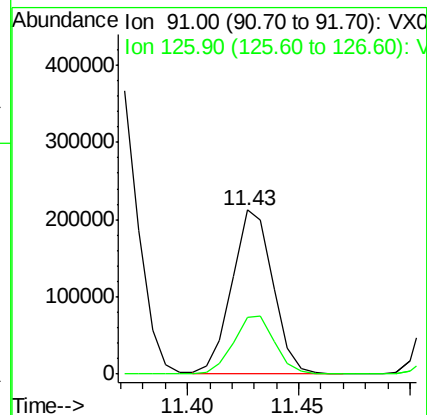
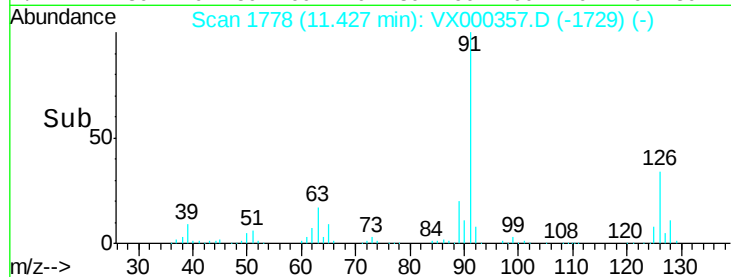
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX000357.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000357.D (-1774) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.22 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000357.D

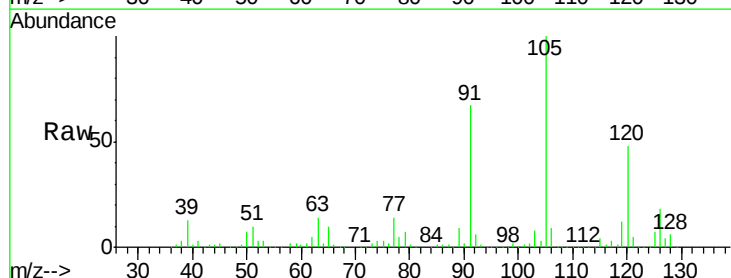
Acq: 20 Mar 2018 11:44

Tgt Ion: 105 Resp: 351109

Ion Ratio Lower Upper

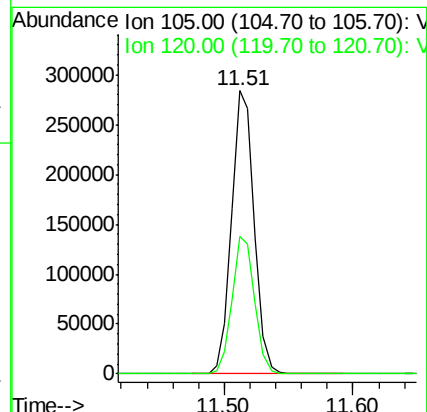
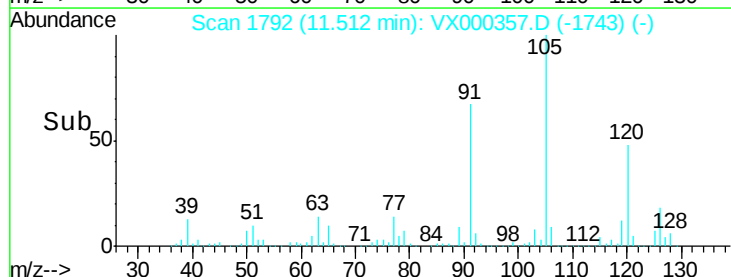
105 100

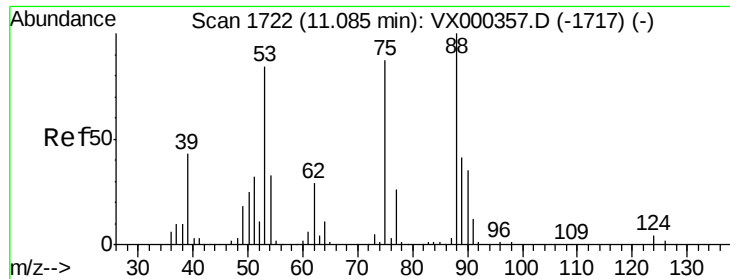
120 48.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000357.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000357.D (-1786) (-)





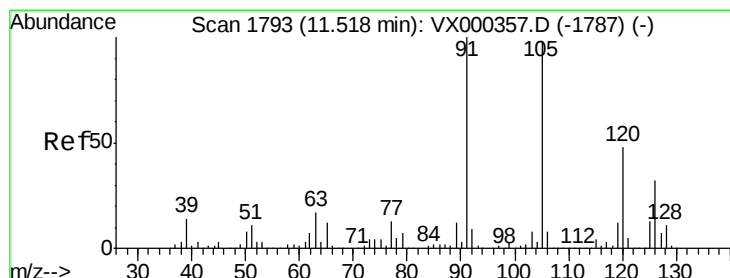
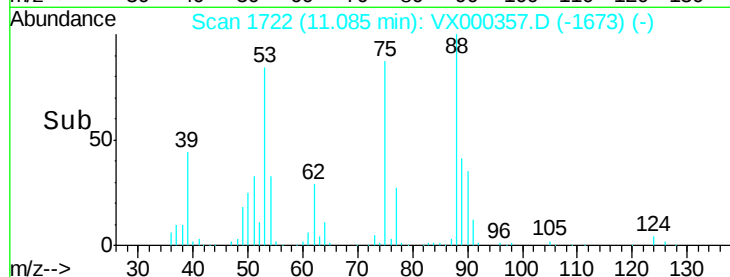
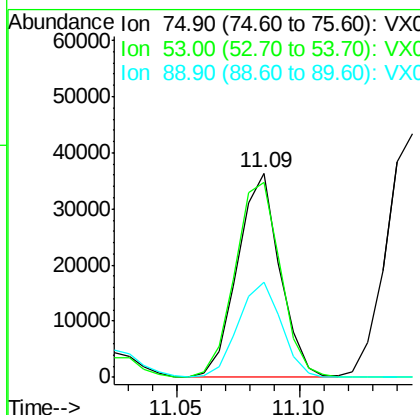
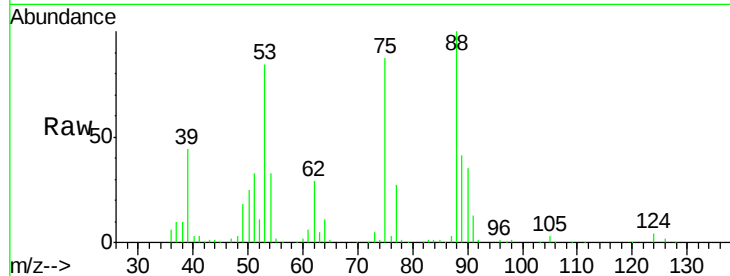
#81
trans-1,4-Dichloro-2-butene
Concen: 60.11 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.9	80.7	121.1
89	47.9	39.4	59.0

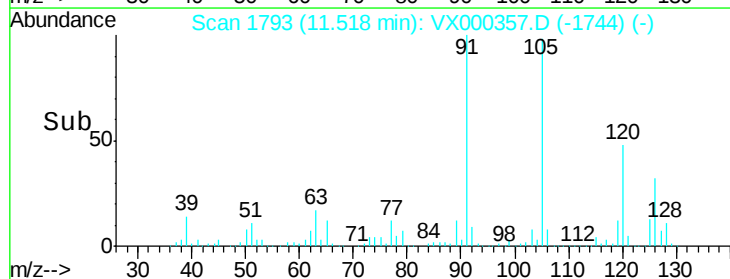
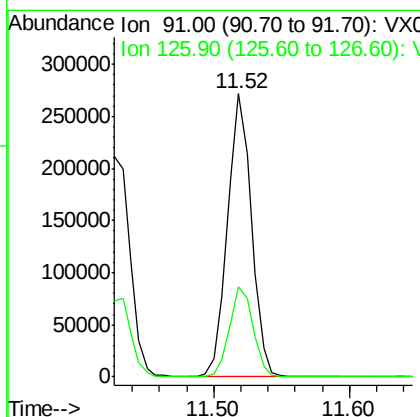
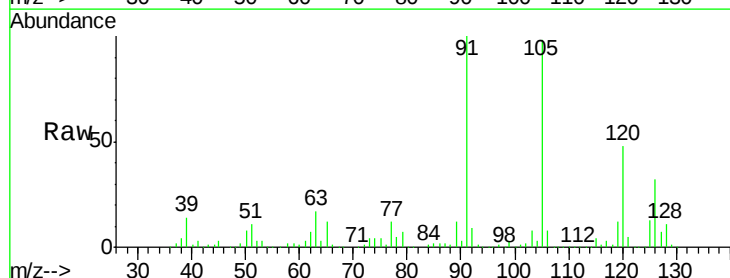
Manual Integrations
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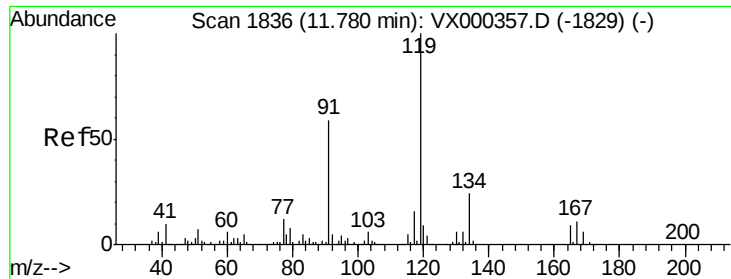
sam
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#82
4-Chlorotoluene
Concen: 53.83 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.4	46.1





#83

tert-Butylbenzene

Concen: 56.36 ug/l

RT: 11.78 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

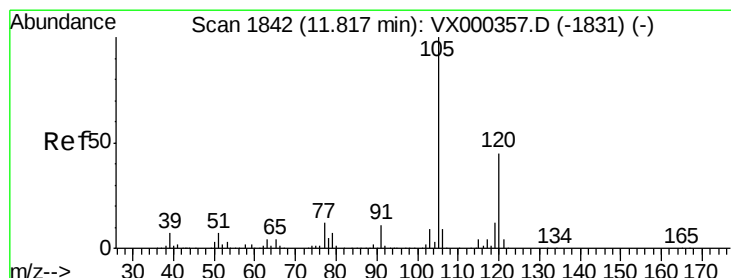
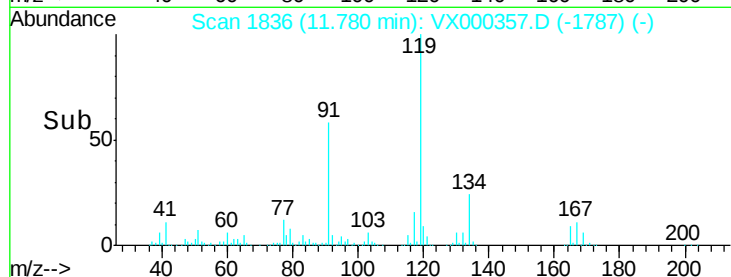
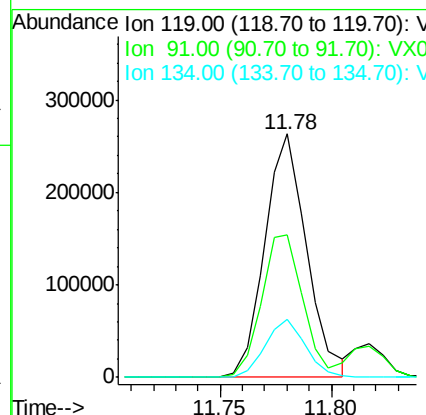
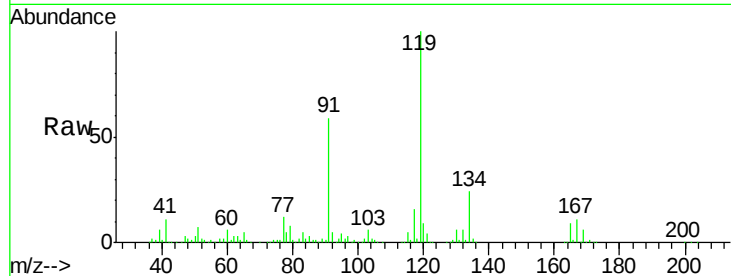
ClientSampleId :

VSTDICCC050

Tot Ion:	119	Resp:	343390
Ion Ratio	Lower	Upper	
119	100		
91	57.9	28.8	86.4
134	22.9	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 56.87 ug/l

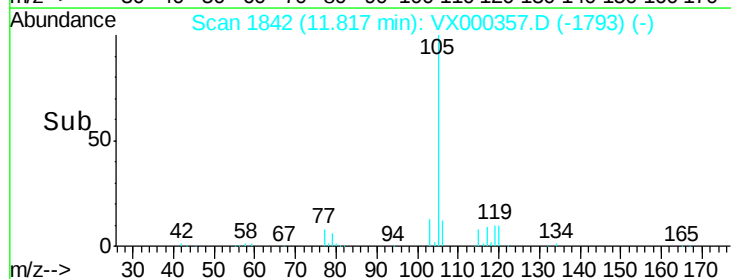
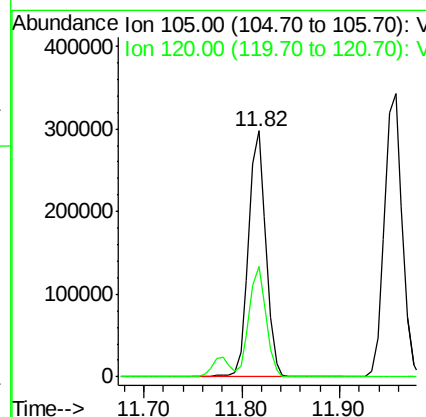
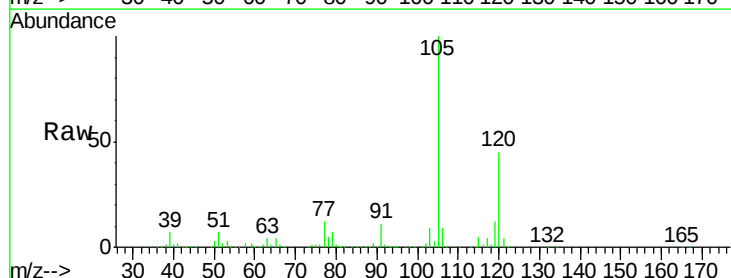
RT: 11.82 min Scan# 1842

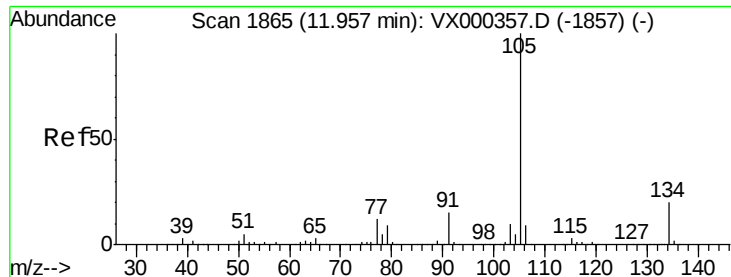
Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Tgt Ion:	105	Resp:	365159
Ion Ratio	Lower	Upper	
105	100		
120	44.1	22.4	67.3





#85

sec-Butylbenzene

Concen: 56.73 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 432727

Ion Ratio Lower Upper

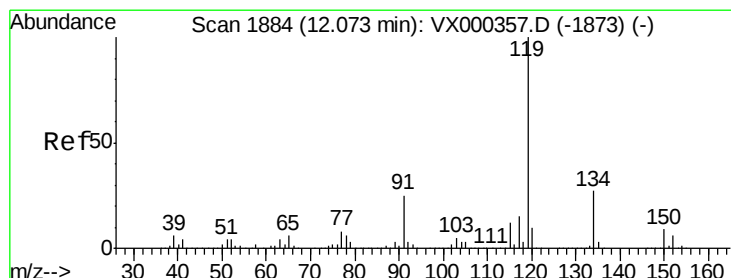
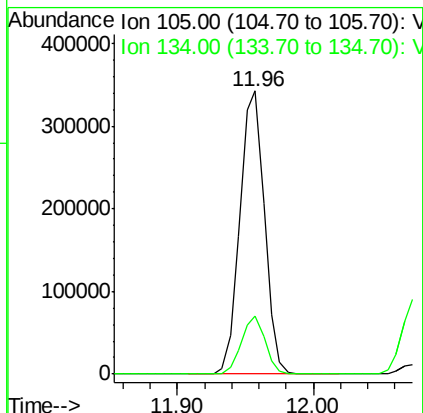
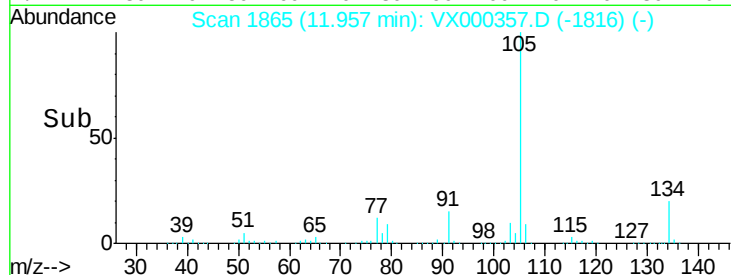
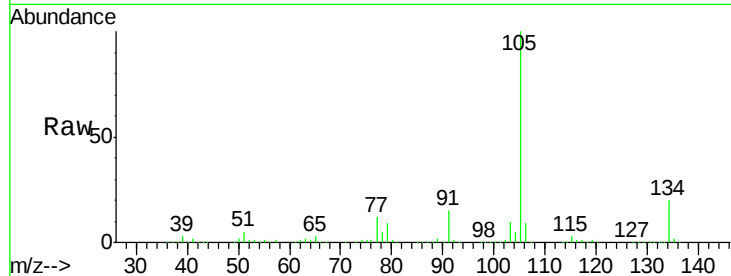
105 100

134 19.9 10.3 30.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 57.54 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

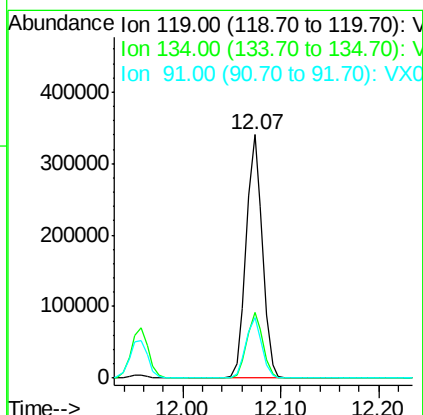
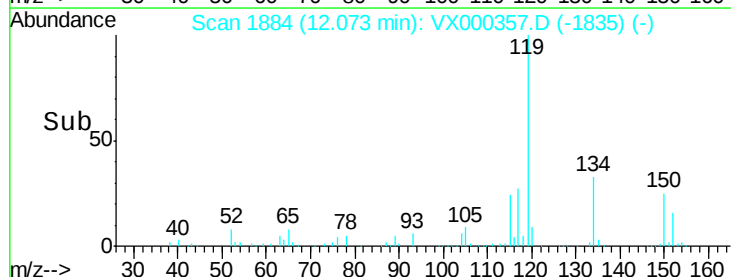
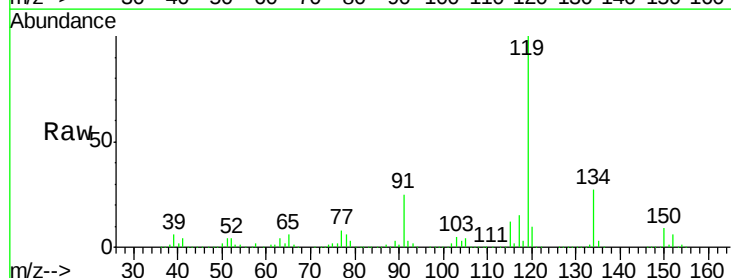
Tgt Ion:119 Resp: 390583

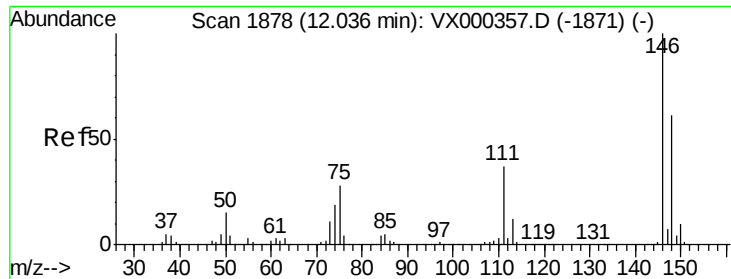
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 24.6 12.0 36.1





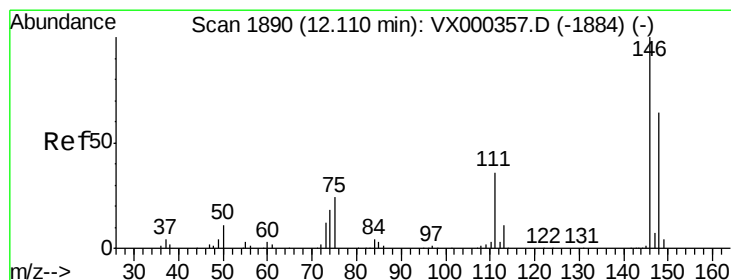
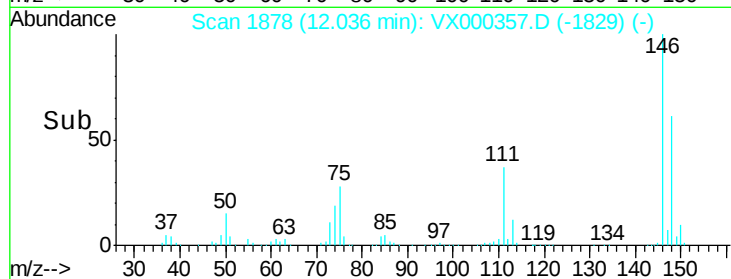
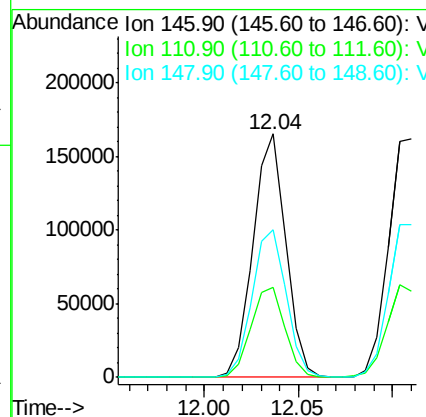
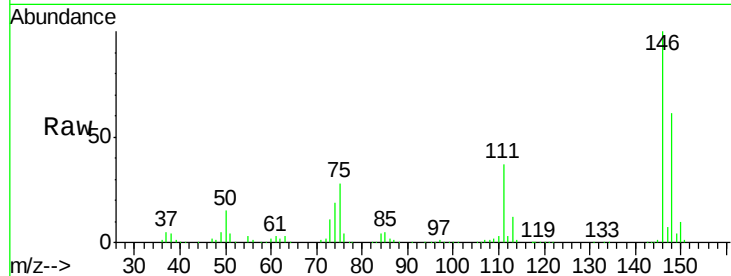
#87
 1,3-Dichlorobenzene
 Concen: 52.98 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	63.2	32.4	97.0

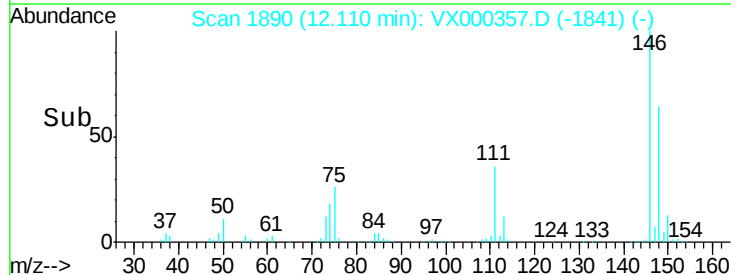
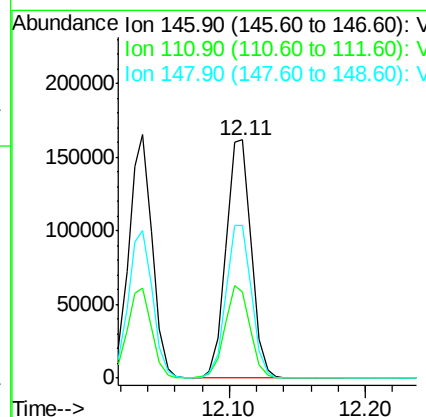
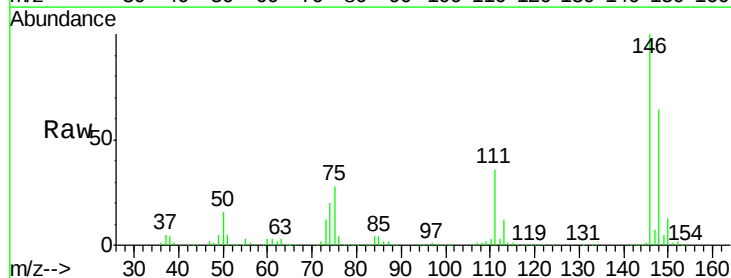
Manual Integrations
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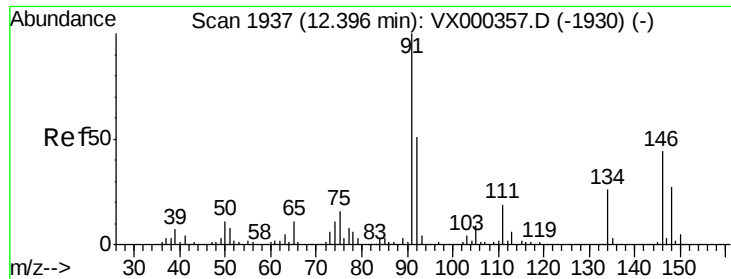
sam
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#88
 1,4-Dichlorobenzene
 Concen: 52.77 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.9
148	65.0	31.0	93.0





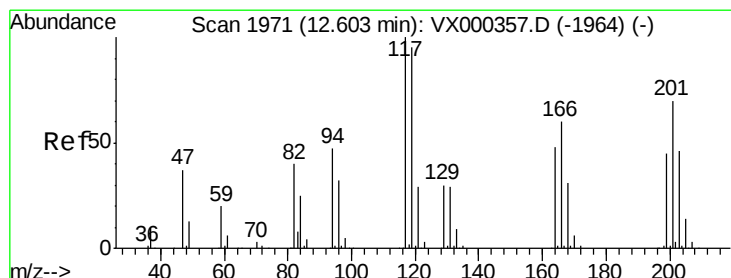
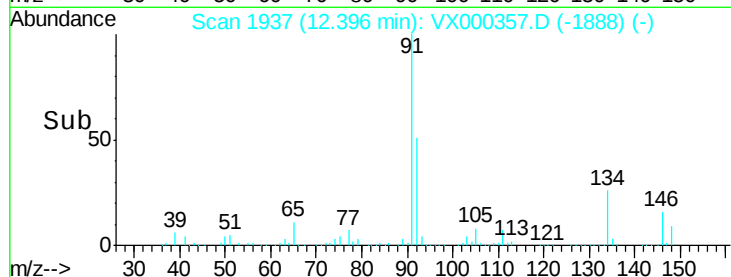
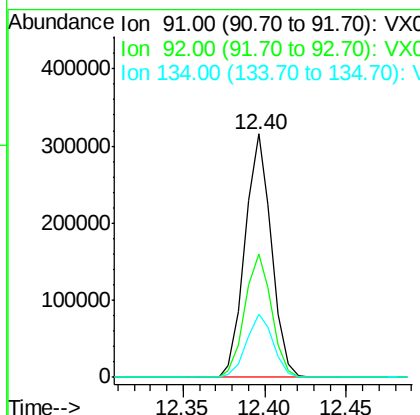
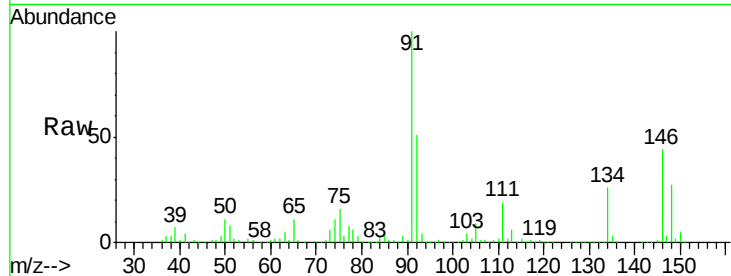
#89
n-Butylbenzene
Concen: 53.95 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
92	51.2	25.9	77.8		
134	26.3	13.1	39.3		

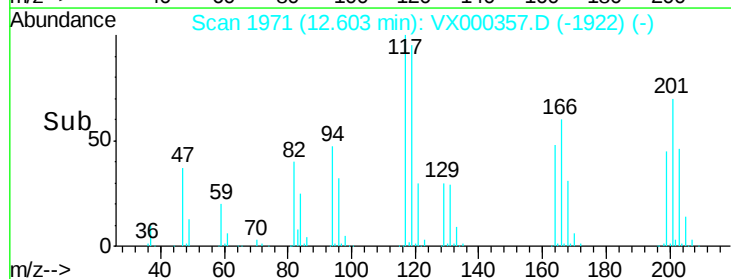
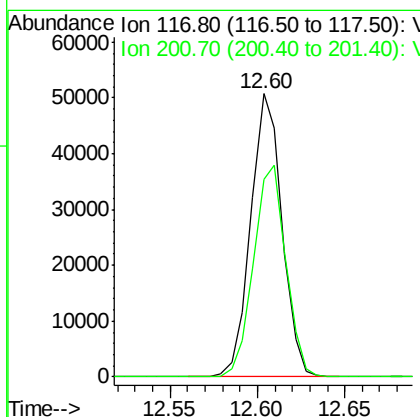
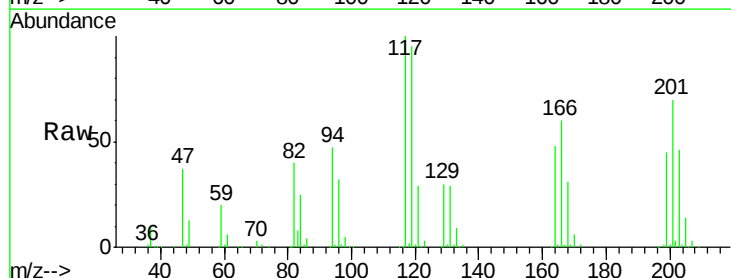
Manual Integrations
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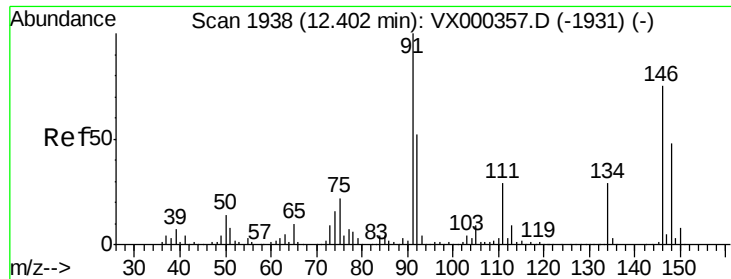
sam
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#90
Hexachloroethane
Concen: 57.82 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000357.D
Acq: 20 Mar 2018 11:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
201	77.1	37.9	113.6		





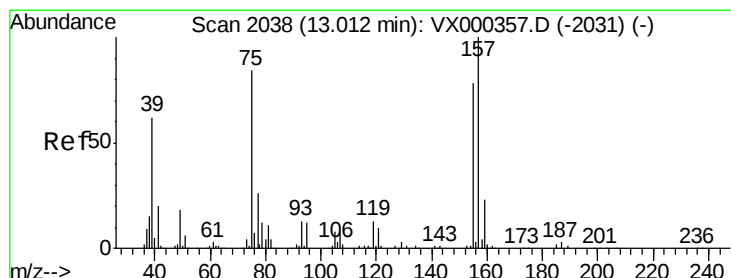
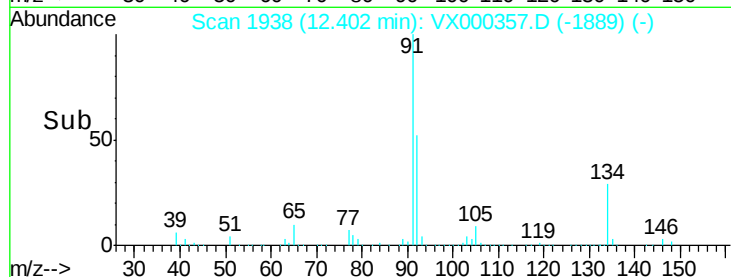
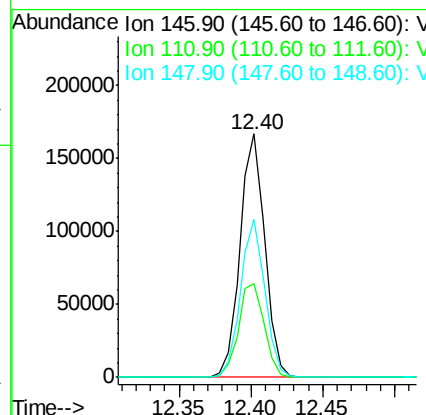
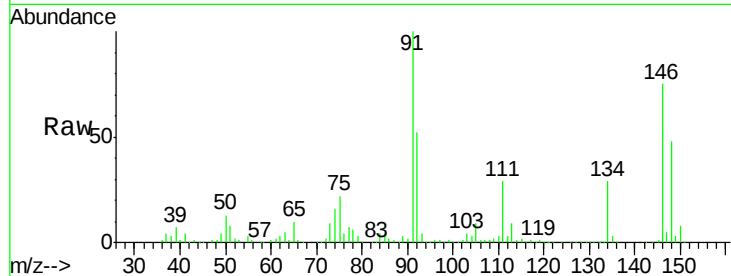
#91
 1,2-Dichlorobenzene
 Concen: 54.91 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	200853		
111	40.0		20.1	60.2
148	63.9		31.2	93.6

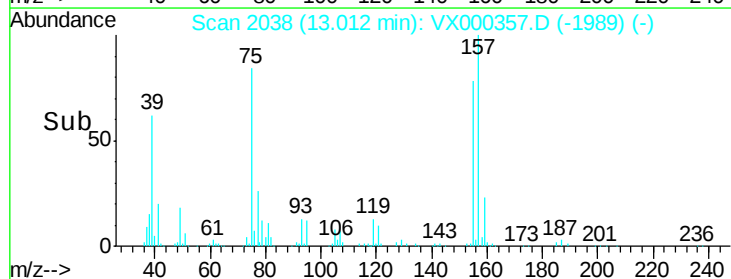
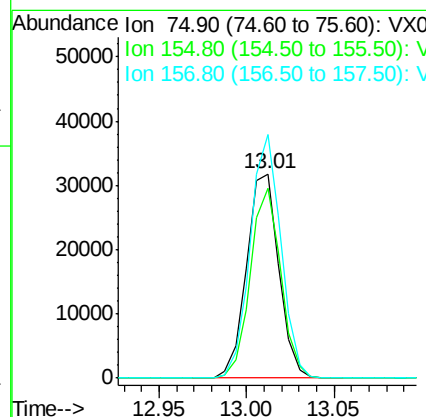
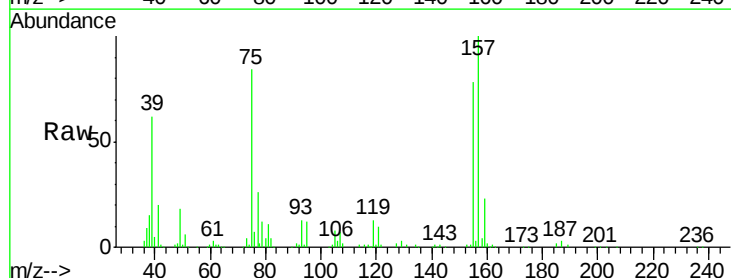
Manual Integrations
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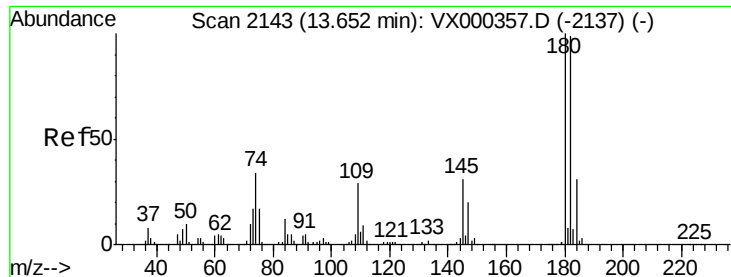
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.39 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40546		
155	88.2		45.0	134.8
157	113.9		58.1	174.2





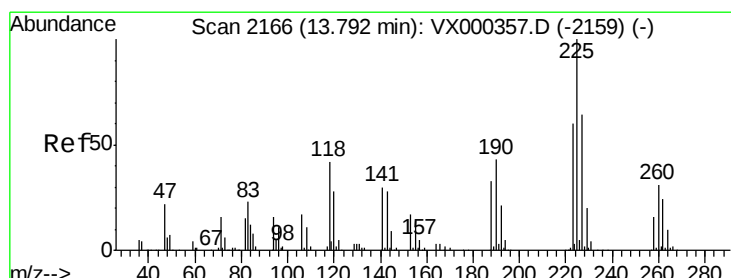
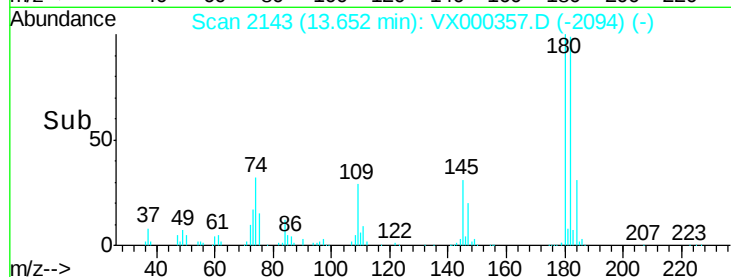
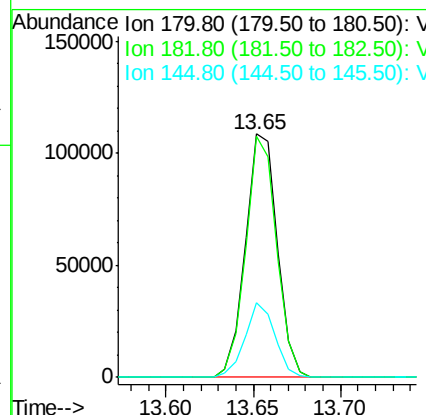
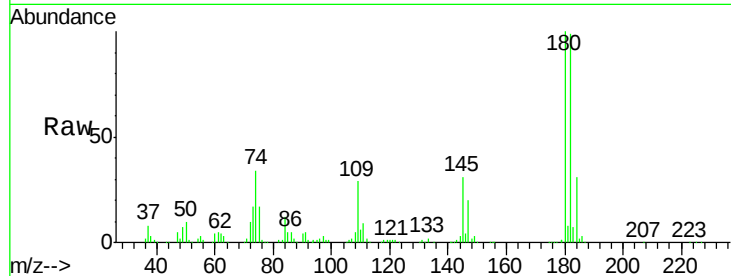
#93
 1,2,4-Trichlorobenzene
 Concen: 52.16 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.9
145	28.8	15.1	45.3

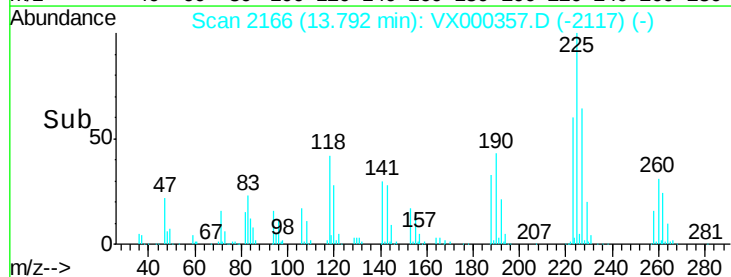
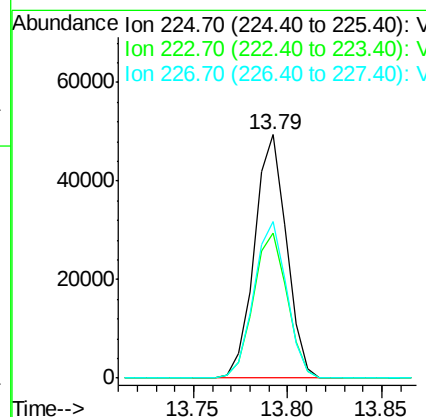
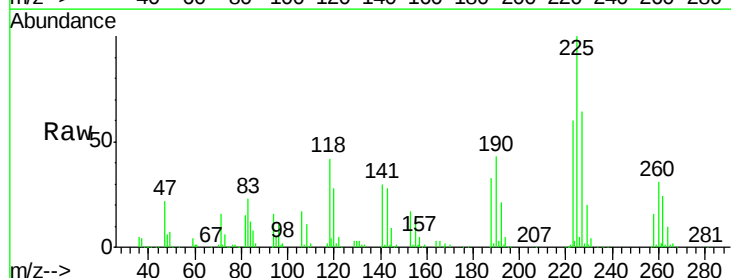
Manual Integrations
 APPROVED

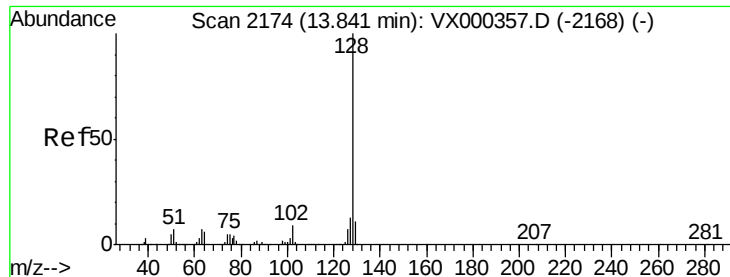
sam
 3/21/2018 11:44:40 AM



#94
 Hexachlorobutadiene
 Concen: 56.02 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000357.D
 Acq: 20 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	32.0	96.0
227	65.7	32.6	98.0





#95

Naphthalene

Concen: 55.71 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Instrument :

MSVOA_X

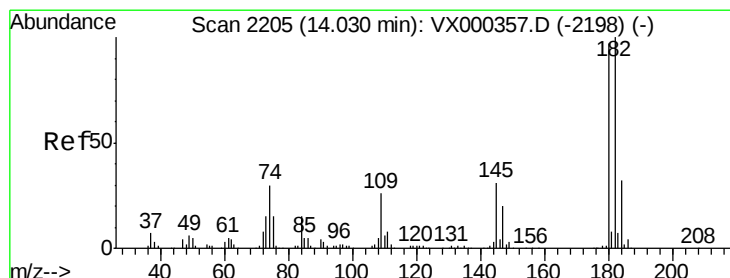
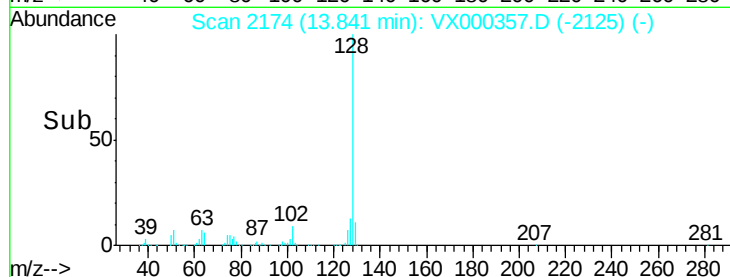
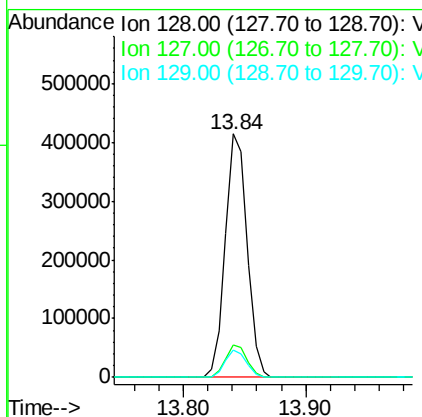
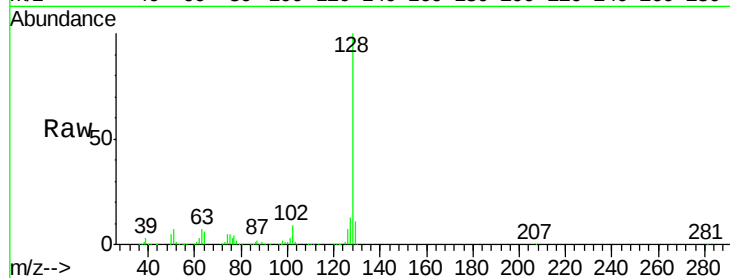
ClientSampled :

VSTDICCC050

Tot Ion:	128	Resp:	509374
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	11.0	8.9	13.3

Manual Integrations
APPROVED

sam
3/21/2018 11:44:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.64 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VX000357.D

Acq: 20 Mar 2018 11:44

Tgt Ion:	180	Resp:	140111
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.4	142.3
145	30.5	15.8	47.3

