

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000531.D
 Acq On : 29 Mar 2018 23:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 3/30/2018 4:11:09 PM

Quant Time: Mar 30 08:00:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	114105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	191485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	201477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	134156	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	75076	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
35) Dibromofluoromethane	5.52	113	59281	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
50) Toluene-d8	8.73	98	232558	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
62) 4-Bromofluorobenzene	11.15	95	100102	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	52201	41.51	ug/l	95
3) Chloromethane	1.32	50	52441	39.58	ug/l	97
4) Vinyl Chloride	1.40	62	70027	50.02	ug/l	100
5) Bromomethane	1.64	94	106257	63.39	ug/l	99
6) Chloroethane	1.72	64	52774	61.51	ug/l	99
7) Trichlorofluoromethane	1.93	101	133345	52.78	ug/l	97
8) Diethyl Ether	2.19	74	47903	53.05	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71947	51.07	ug/l	97
10) Methyl Iodide	2.51	142	62153	44.99	ug/l	99
11) Tert butyl alcohol	3.09	59	148149	289.16	ug/l	100
12) 1,1-Dichloroethene	2.37	96	65050	52.60	ug/l	94
13) Acrolein	2.30	56	36624	225.41	ug/l	97
14) Allyl chloride	2.73	41	122980	56.31	ug/l	99
15) Acrylonitrile	3.16	53	297556	286.75	ug/l	100
16) Acetone	2.45	43	282134	227.70	ug/l	99
17) Carbon Disulfide	2.57	76	157610	47.91	ug/l	99
18) Methyl Acetate	2.79	43	155285	59.78	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	250352	54.73	ug/l	99
20) Methylene Chloride	2.86	84	75334	52.64	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	75233	54.53	ug/l	93
22) Diisopropyl ether	3.89	45	175661	45.43	ug/l	96
23) Vinyl Acetate	3.84	43	810771	221.21	ug/l	100
24) 1,1-Dichloroethane	3.70	63	106646	43.87	ug/l	100
25) 2-Butanone	4.72	43	330646	237.41	ug/l	98
26) 2,2-Dichloropropane	4.59	77	73360	43.06	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	63915	49.57	ug/l	95
28) Bromochloromethane	5.03	49	48590	48.47	ug/l	95
29) Tetrahydrofuran	5.18	42	220053	256.80	ug/l	99
30) Chloroform	5.23	83	118577	52.05	ug/l	96
31) Cyclohexane	5.59	56	86624	46.10	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	103830	50.52	ug/l	98
36) 1,1-Dichloropropene	5.81	75	84236	46.96	ug/l	99
37) Ethyl Acetate	4.88	43	117193	47.83	ug/l	99
38) Carbon Tetrachloride	5.79	117	89987	47.82	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	98733	45.26	ug/l	98
40) Benzene	6.15	78	255085	48.97	ug/l	99
41) Methacrylonitrile	5.07	41	60749	47.03	ug/l	97
42) 1,2-Dichloroethane	6.21	62	102033	49.93	ug/l	100
43) Isopropyl Acetate	6.48	43	179524	49.22	ug/l	98
44) Trichloroethene	7.22	130	72526	48.60	ug/l	95
45) 1,2-Dichloropropane	7.52	63	66801	50.10	ug/l	99
46) Dibromomethane	7.67	93	51498	49.21	ug/l	97
47) Bromodichloromethane	7.91	83	94443	51.29	ug/l	99
48) Methyl methacrylate	7.79	41	89416	50.50	ug/l	99
49) 1,4-Dioxane	7.77	88	40628	1091.63	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	724365	256.60	ug/l	99
52) Toluene	8.79	92	178396	48.99	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	106866	50.09	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	107181	51.79	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	76332	50.97	ug/l	98
56) Ethyl methacrylate	9.19	69	115952	51.10	ug/l	99
57) 1,3-Dichloropropane	9.38	76	123610	51.61	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	200211	183.84	ug/l	97
59) 2-Hexanone	9.51	43	615829	256.91	ug/l	100
60) Dibromochloromethane	9.59	129	82421	46.80	ug/l	98
61) 1,2-Dibromoethane	9.68	107	83788	52.18	ug/l	99
64) Tetrachloroethene	9.34	164	73097	46.75	ug/l	97
65) Chlorobenzene	10.15	112	216354	48.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	76626	50.32	ug/l	99
67) Ethyl Benzene	10.26	91	368791	48.52	ug/l	96
68) m/p-Xylenes	10.37	106	299682	100.20	ug/l	98
69) o-Xylene	10.71	106	141822	48.97	ug/l	97
70) Styrene	10.72	104	253390	52.88	ug/l	98
71) Bromoform	10.87	173	67628	43.32	ug/l #	96
73) Isopropylbenzene	11.02	105	403703	45.42	ug/l	98
74) N-amyl acetate	6.48	43	179524	46.08	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	148417	47.21	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	130874m	45.39	ug/l	
77) Bromobenzene	11.26	156	101864	43.02	ug/l	98
78) n-propylbenzene	11.37	91	478462	45.14	ug/l	100
79) 2-Chlorotoluene	11.43	91	275112	44.93	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	355500	47.57	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	39603	44.47	ug/l	98
82) 4-Chlorotoluene	11.52	91	344005	47.05	ug/l	98
83) tert-Butylbenzene	11.78	119	346368	45.95	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	371843	47.45	ug/l	99
85) sec-Butylbenzene	11.96	105	444072	47.61	ug/l	99
86) p-Isopropyltoluene	12.07	119	394912	47.68	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	207826	46.42	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	218208	46.42	ug/l	97
89) n-Butylbenzene	12.40	91	370517	48.04	ug/l	99
90) Hexachloroethane	12.60	117	61272	47.00	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	213346	48.60	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40994	46.75	ug/l	97

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VSTDCCC050

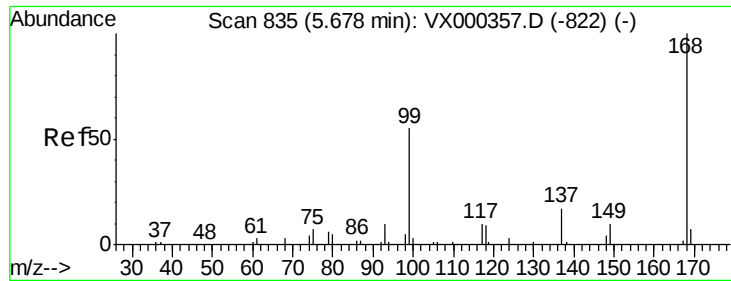
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	144001	45.76	ug/l	99
94) Hexachlorobutadiene	13.79	225	59254	45.48	ug/l	98
95) Naphthalene	13.84	128	537153	49.00	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	148091	47.63	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 114105

Ion Ratio Lower Upper

168 100

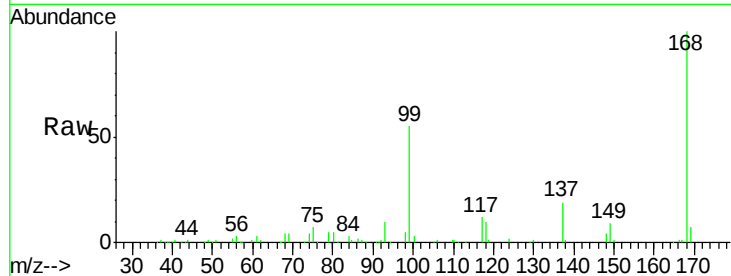
99 54.9 45.8 68.6

Manual Integrations

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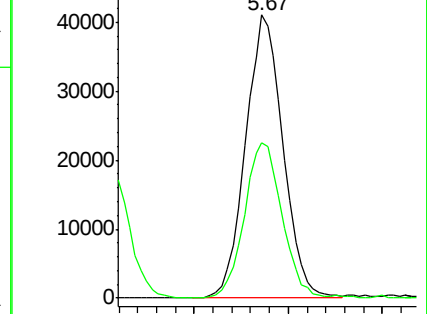
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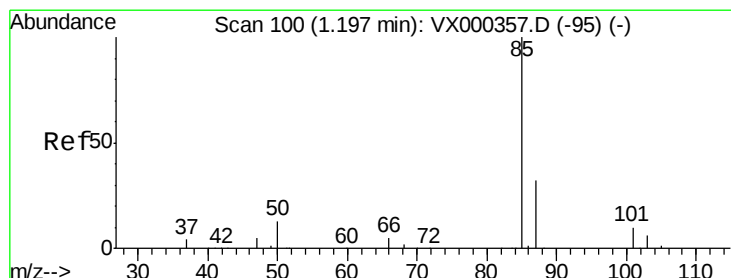
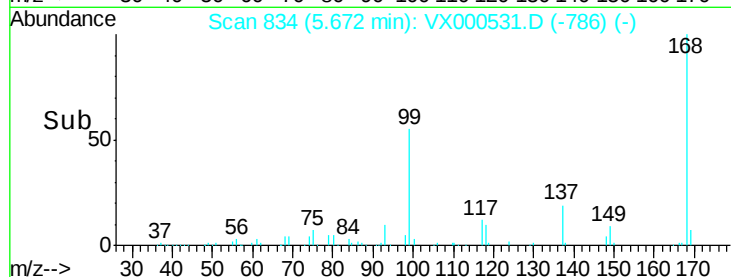


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#2

Dichlorodifluoromethane

Concen: 41.51 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000531.D

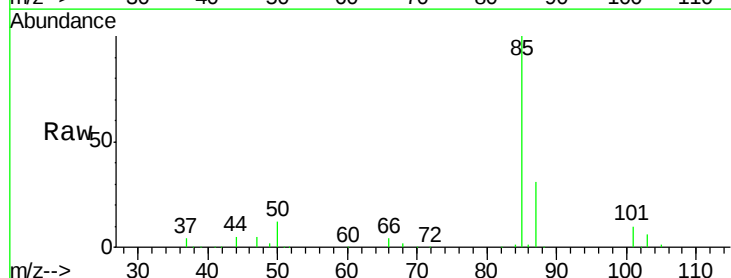
Acq: 29 Mar 2018 23:38

Tgt Ion: 85 Resp: 52201

Ion Ratio Lower Upper

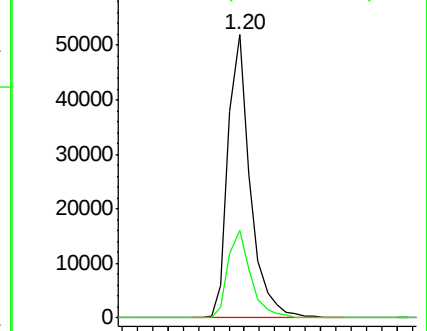
85 100

87 30.7 16.8 50.3

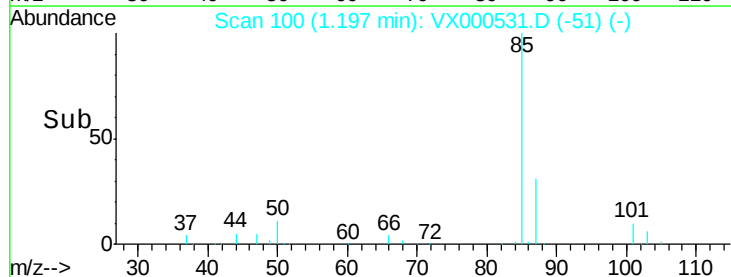


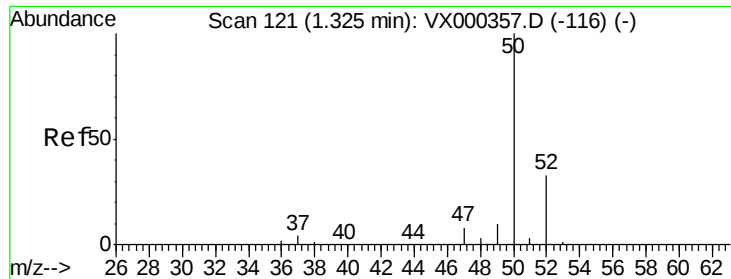
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



Time-->





#3

Chloromethane

Concen: 39.58 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 52441

Ion Ratio Lower Upper

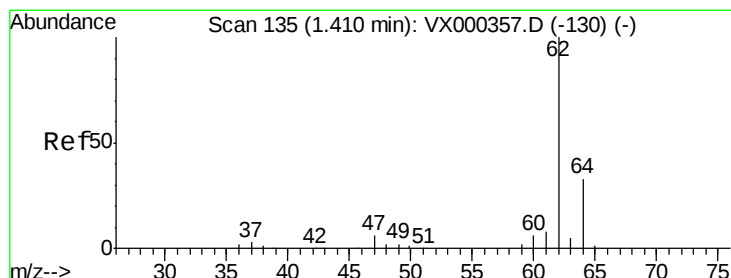
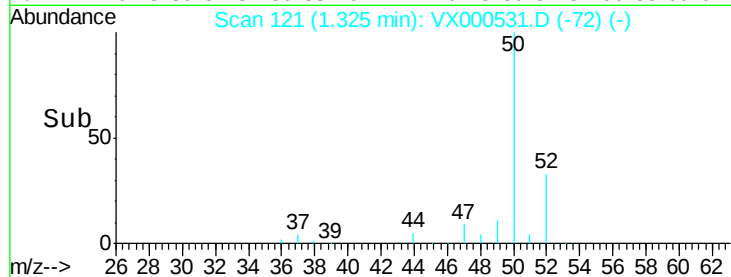
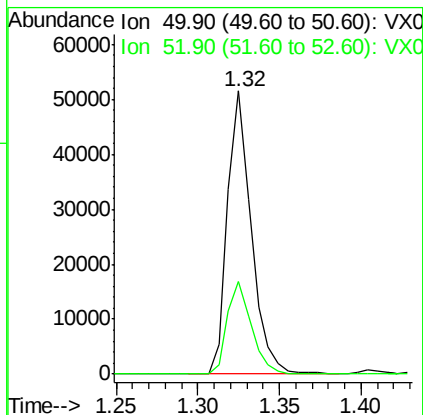
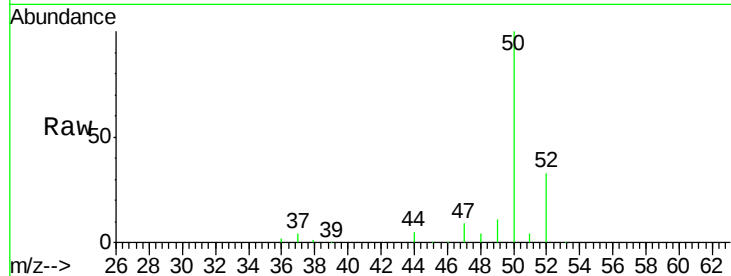
50 100

52 32.8 27.5 41.3

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#4

Vinyl Chloride

Concen: 50.02 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000531.D

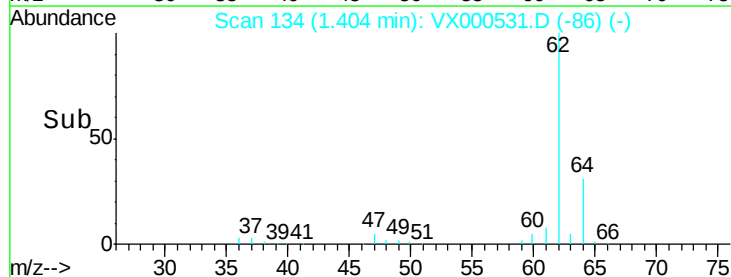
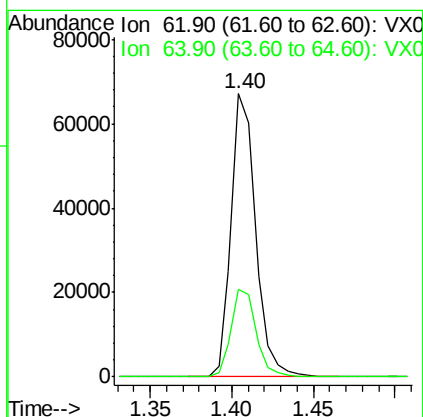
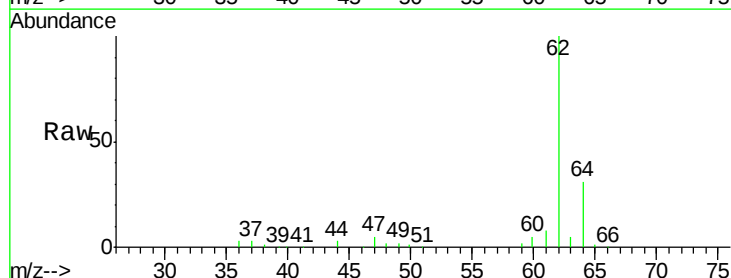
Acq: 29 Mar 2018 23:38

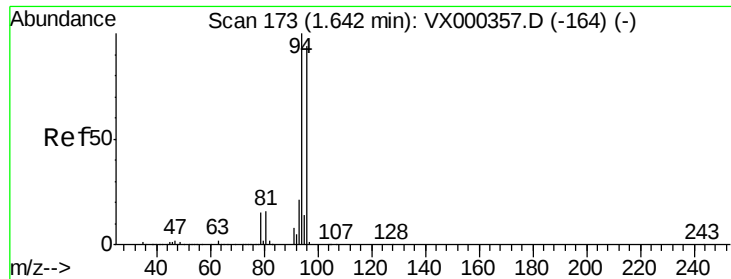
Tgt Ion: 62 Resp: 70027

Ion Ratio Lower Upper

62 100

64 31.1 24.8 37.2





#5

Bromomethane

Concen: 63.39 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 106257

Ion Ratio Lower Upper

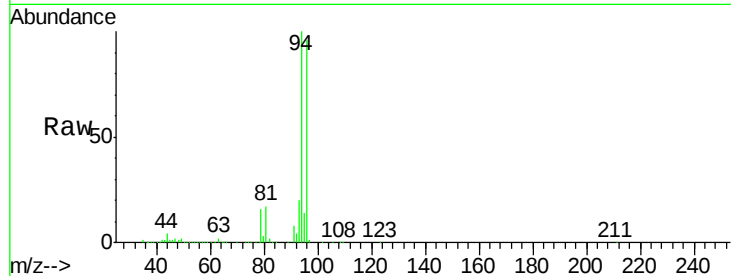
94 100

96 96.2 77.7 116.5

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

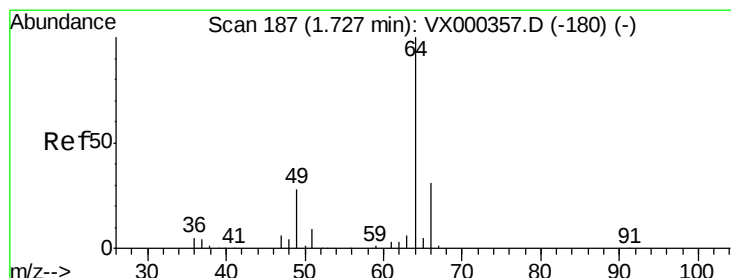
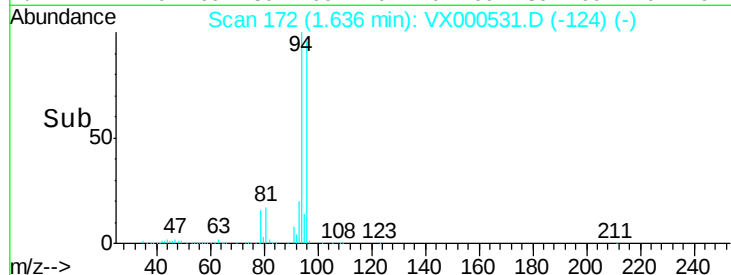
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 61.51 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000531.D

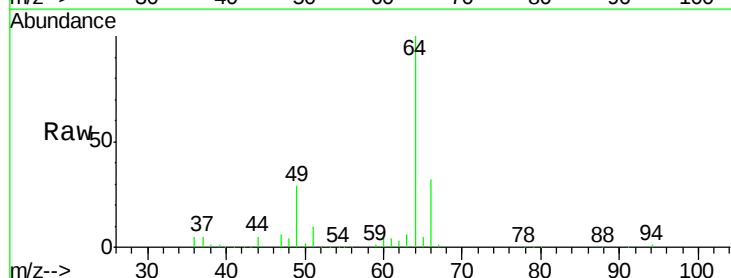
Acq: 29 Mar 2018 23:38

Tgt Ion: 64 Resp: 52774

Ion Ratio Lower Upper

64 100

66 31.6 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

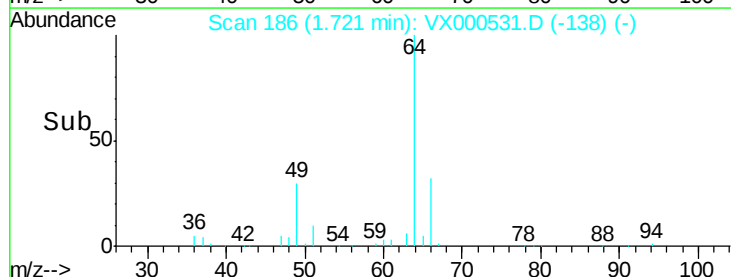
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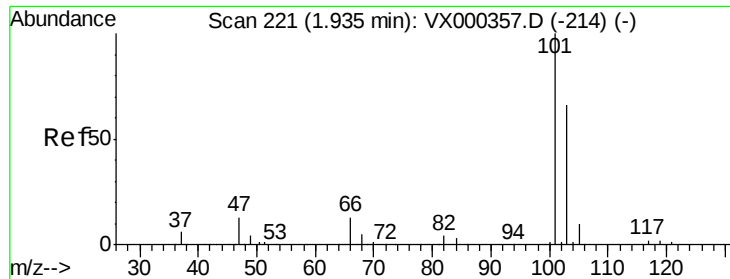
20000

10000

0

Time--> 1.60 1.70 1.80





#7

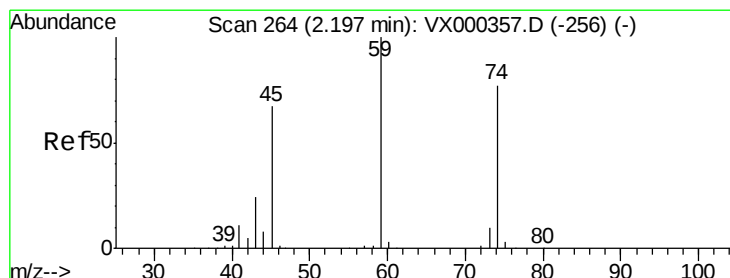
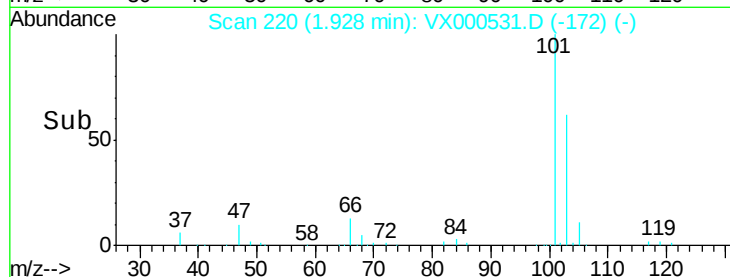
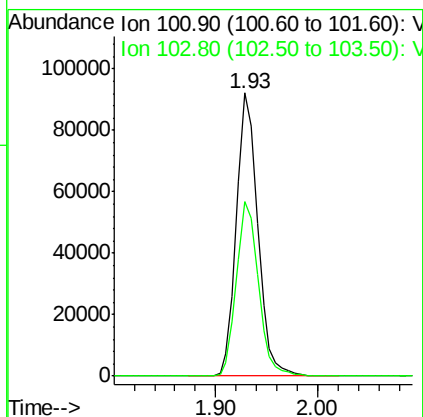
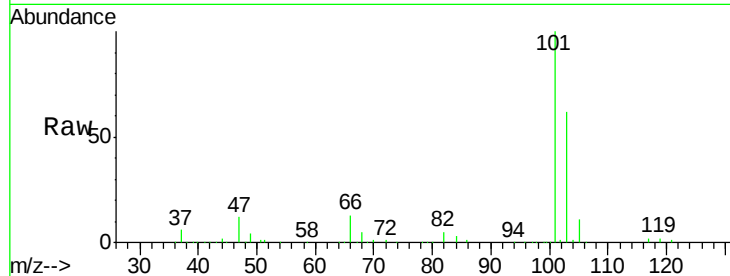
Trichlorofluoromethane
Concen: 52.78 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.01 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:101 Resp: 133345
Ion Ratio Lower Upper
101 100
103 61.9 51.6 77.4

Manual Integrations
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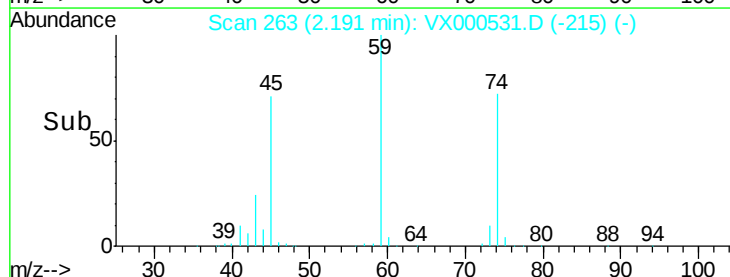
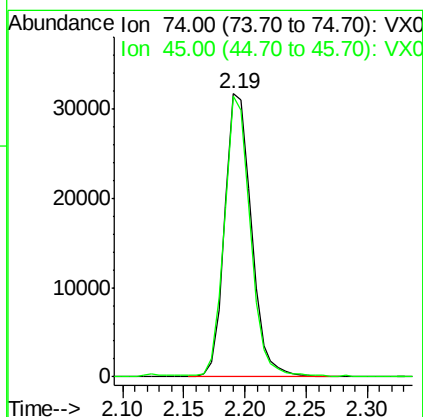
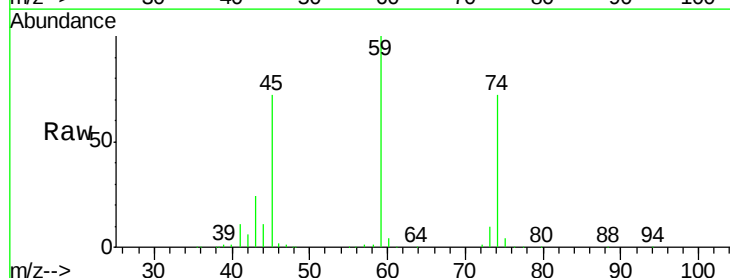
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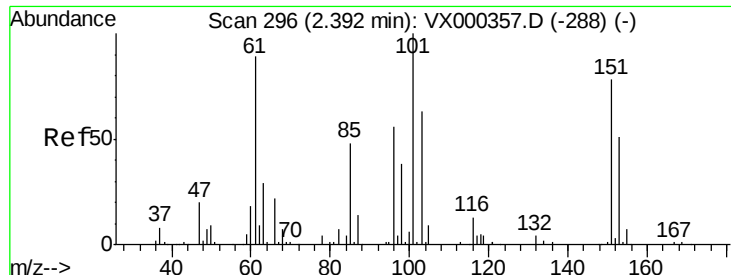


#8

Diethyl Ether
Concen: 53.05 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion: 74 Resp: 47903
Ion Ratio Lower Upper
74 100
45 96.1 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.07 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

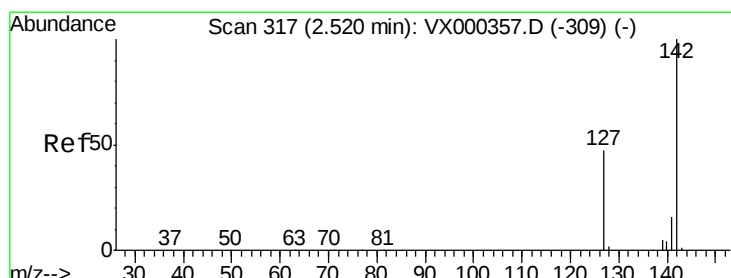
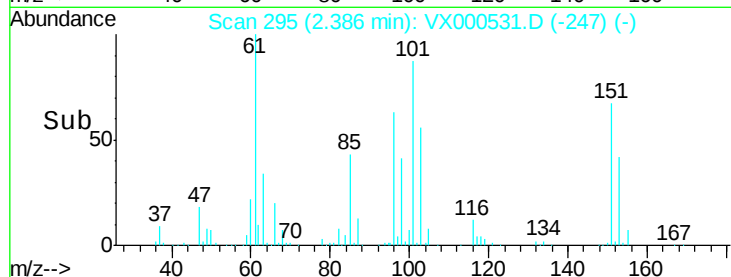
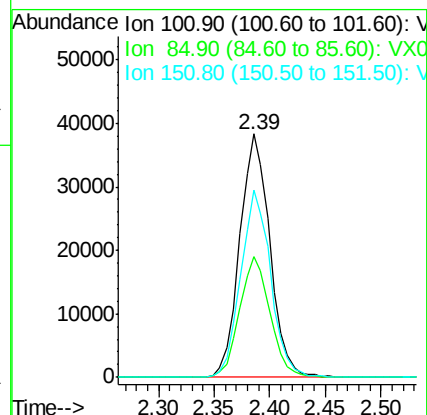
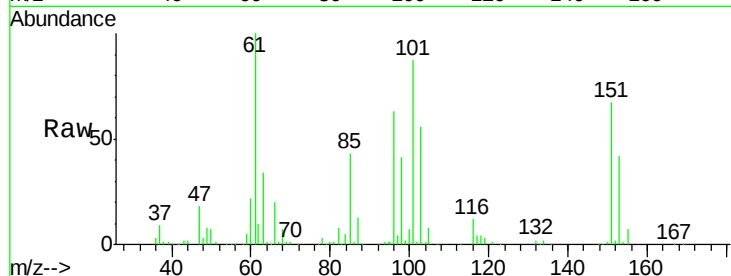
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	71947
Ion Ratio	Lower	Upper	
101	100		
85	49.9	37.6	56.4
151	76.5	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 44.99 ug/l

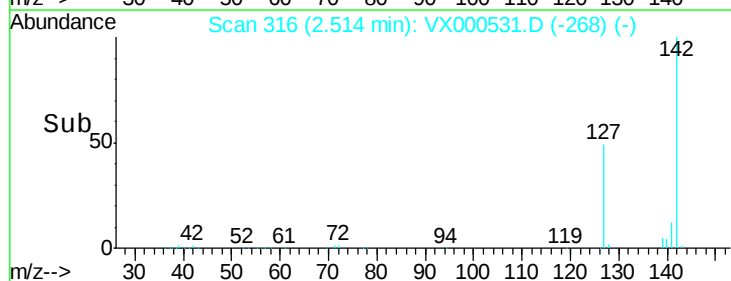
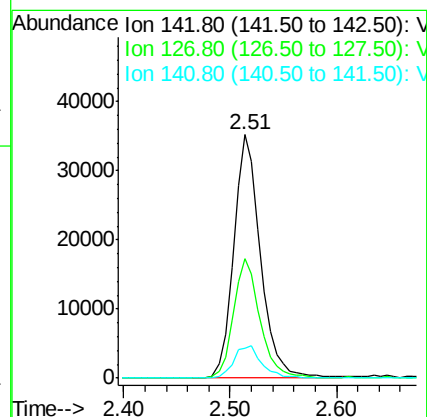
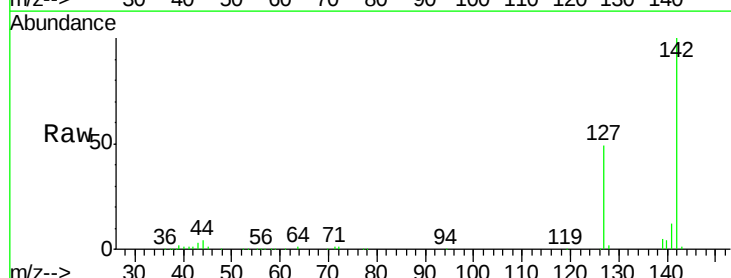
RT: 2.51 min Scan# 316

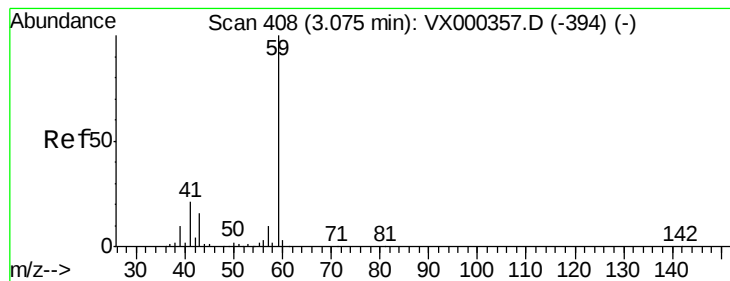
Delta R.T. -0.01 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Tgt Ion:	142	Resp:	62153
Ion Ratio	Lower	Upper	
142	100		
127	48.5	39.2	58.8
141	14.0	11.7	17.5





#11

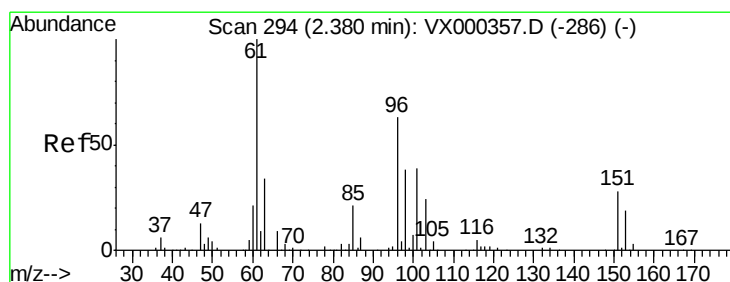
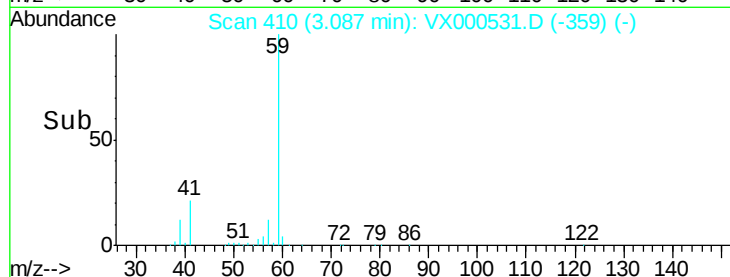
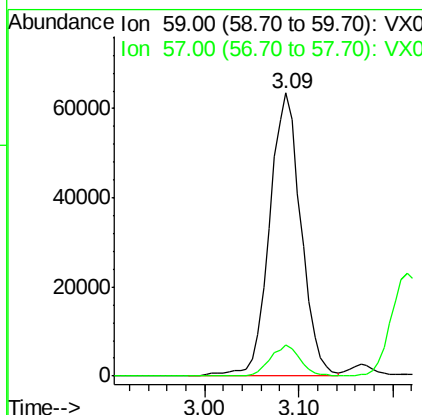
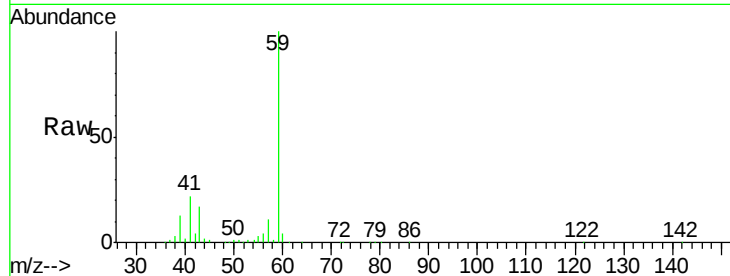
Tert butyl alcohol
Concen: 289.16 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	148149
Ion Ratio	100	Lower	Upper
57	10.5	8.4	12.6

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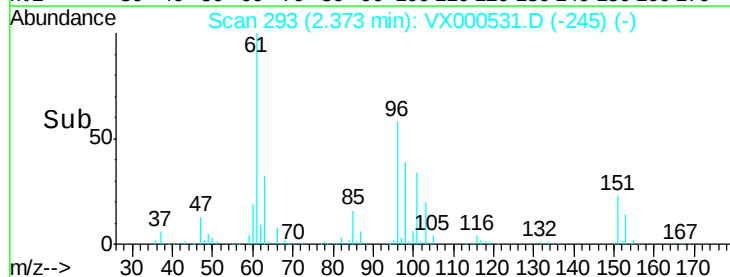
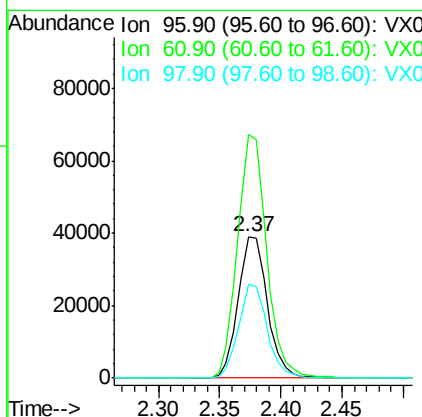
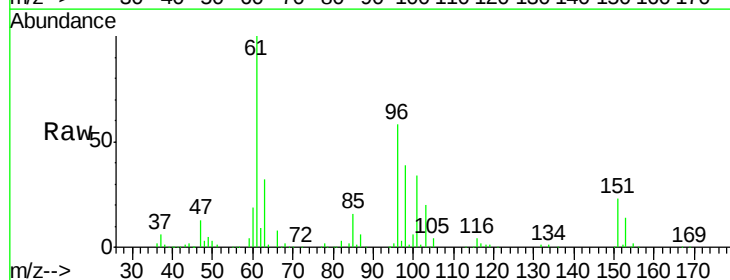
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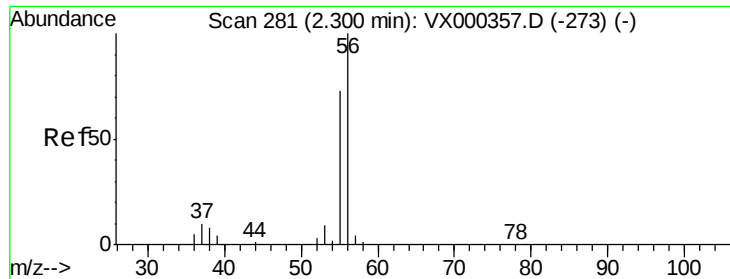


#12

1,1-Dichloroethene
Concen: 52.60 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion	96	Resp	65050
Ion Ratio	100	Lower	Upper
61	171.8	131.2	196.8
98	66.4	49.8	74.8





#13

Acrolein

Concen: 225.41 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 36624

Ion Ratio Lower Upper

56 100

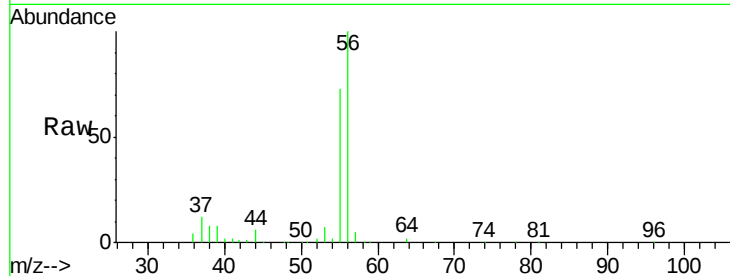
55 70.8 58.8 88.2

Manual Integrations

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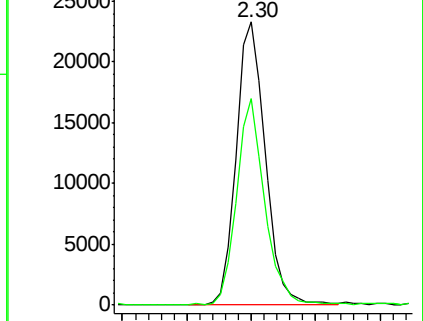
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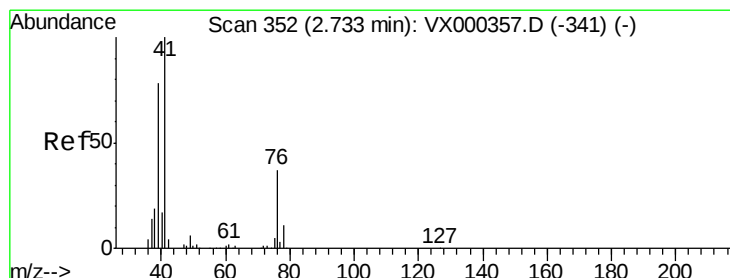
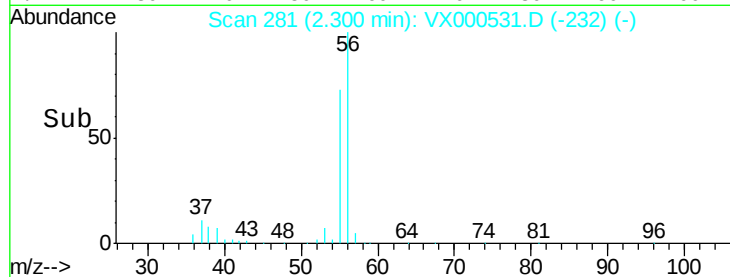


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 56.31 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

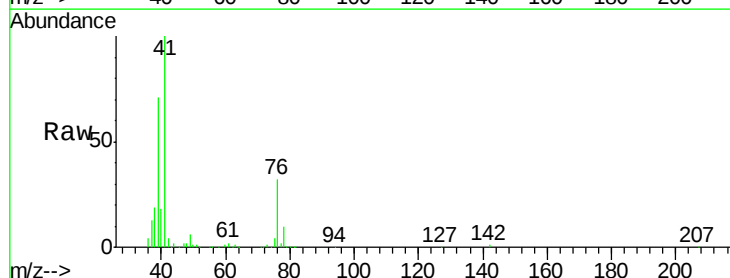
Tgt Ion: 41 Resp: 122980

Ion Ratio Lower Upper

41 100

39 71.3 57.6 86.4

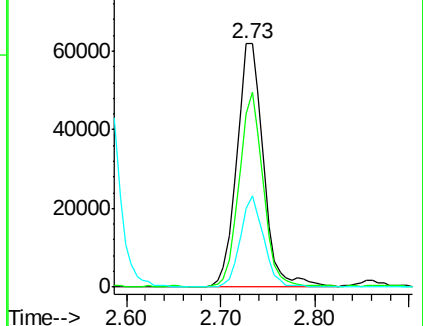
76 32.9 27.3 40.9



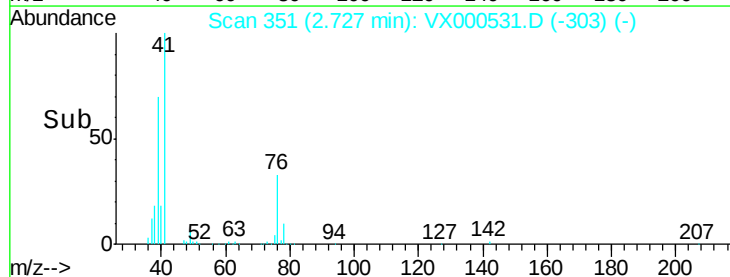
Abundance Ion 41.00 (40.70 to 41.70): VX0

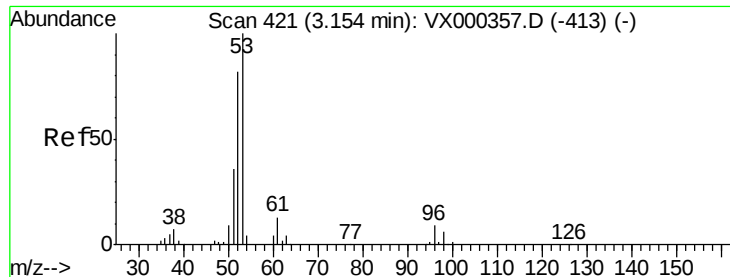
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 286.75 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

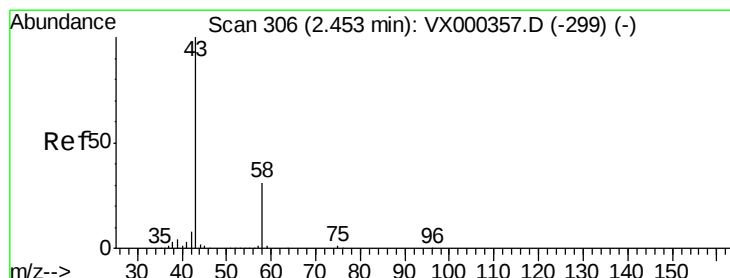
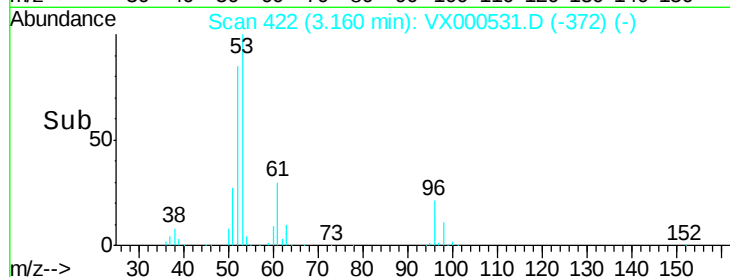
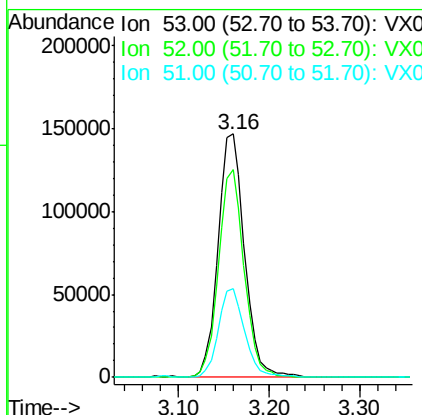
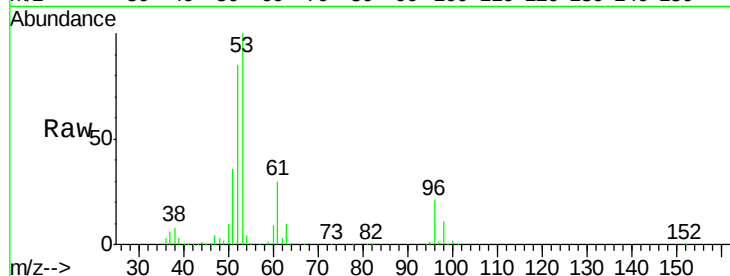
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	297556
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.6	99.8
51	36.5	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 227.70 ug/l

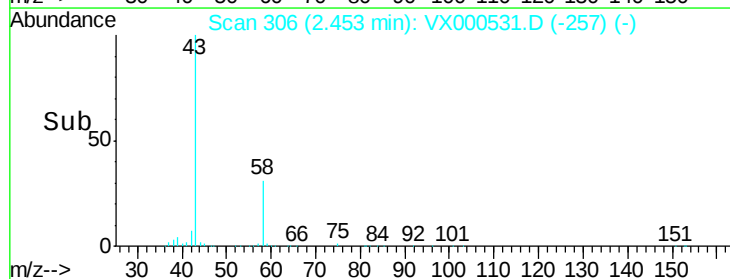
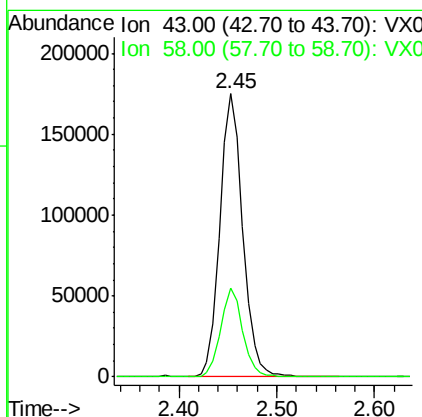
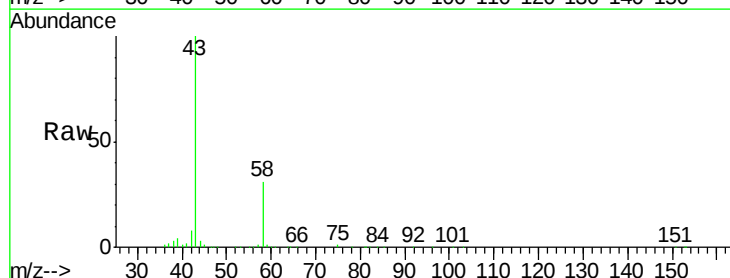
RT: 2.45 min Scan# 306

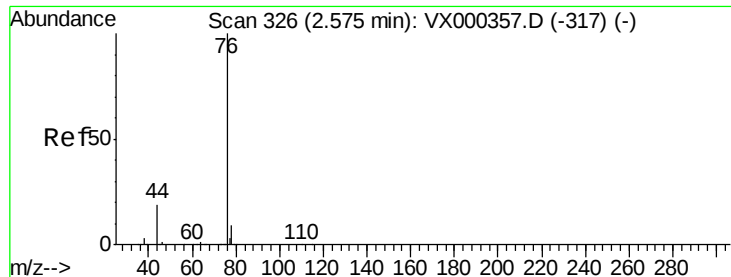
Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Tgt Ion:	43	Resp:	282134
Ion Ratio		Lower	Upper
43	100		
58	31.3	24.7	37.1





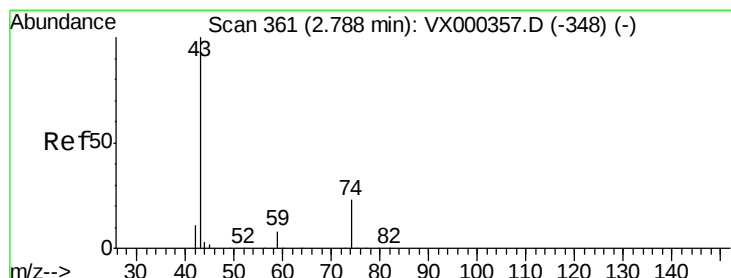
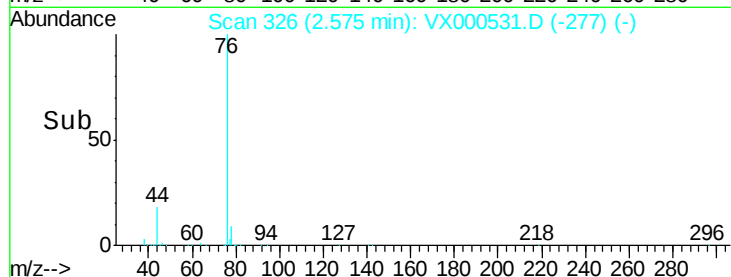
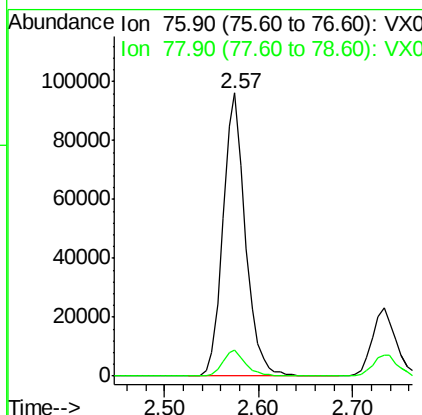
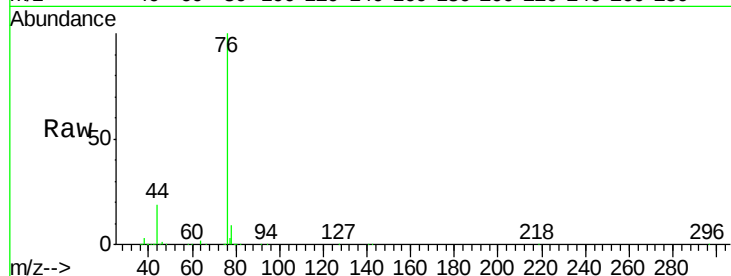
#17
Carbon Disulfide
Concen: 47.91 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

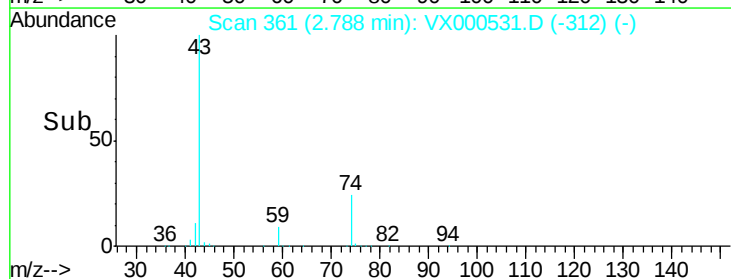
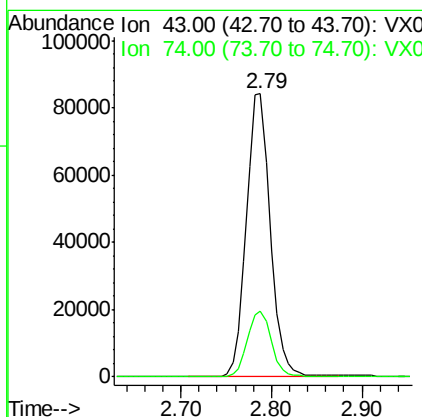
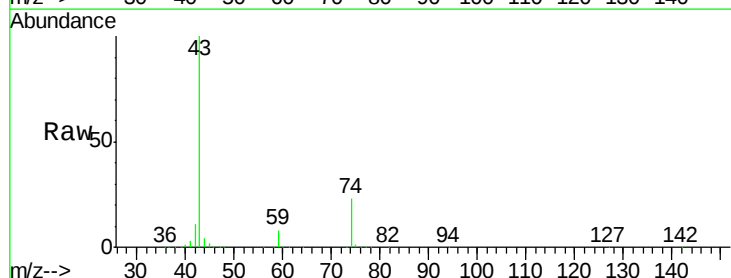
Manual Integrations
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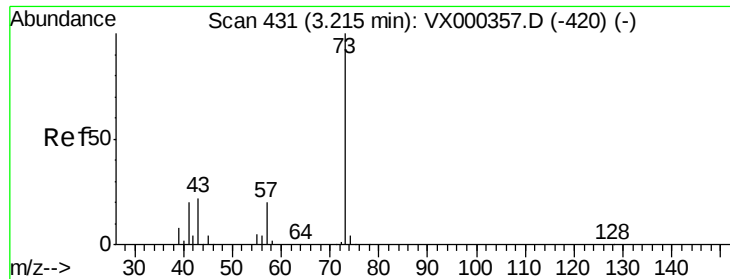
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#18
Methyl Acetate
Concen: 59.78 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.4	29.2





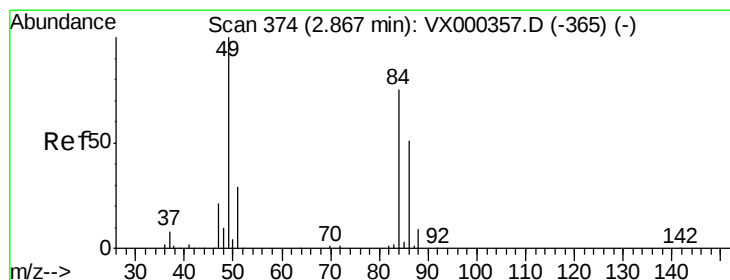
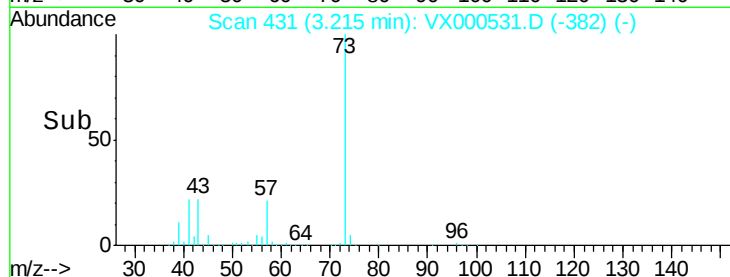
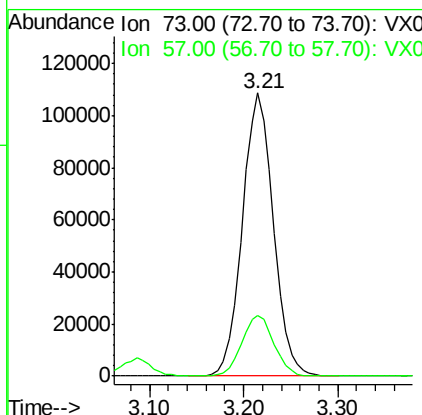
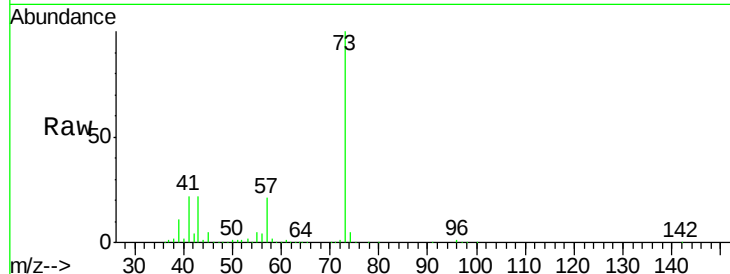
#19
Methyl tert-butyl Ether
Concen: 54.73 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 250352
Ion Ratio Lower Upper
73 100
57 21.2 17.2 25.8

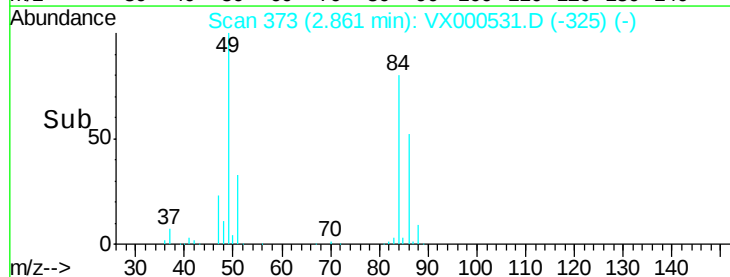
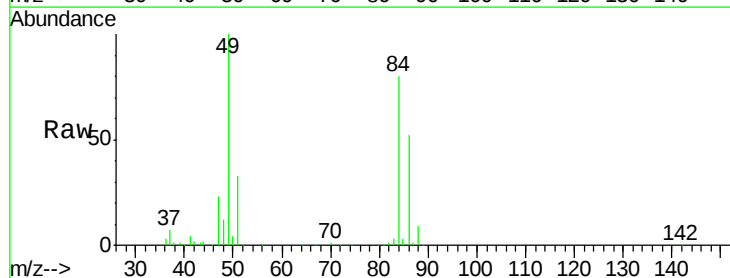
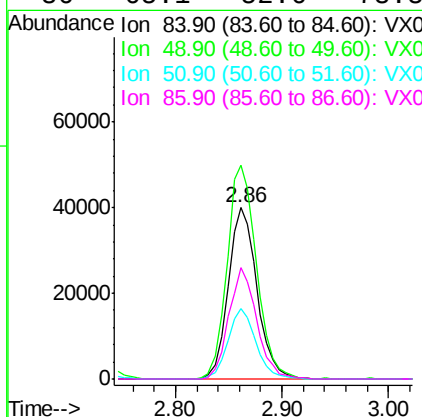
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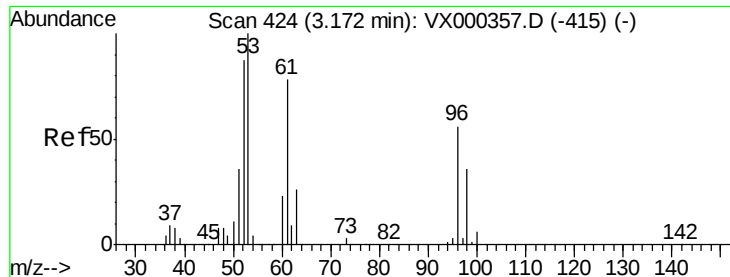
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#20
Methylene Chloride
Concen: 52.64 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion: 84 Resp: 75334
Ion Ratio Lower Upper
84 100
49 124.8 100.6 151.0
51 40.8 31.6 47.4
86 65.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 54.53 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

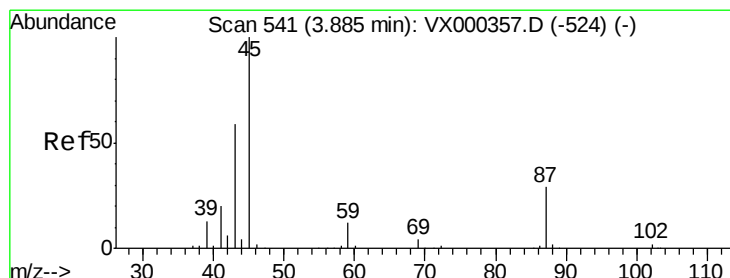
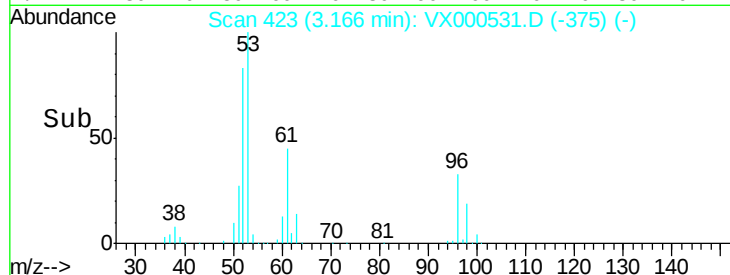
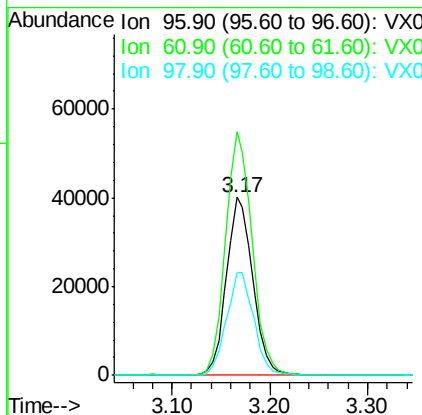
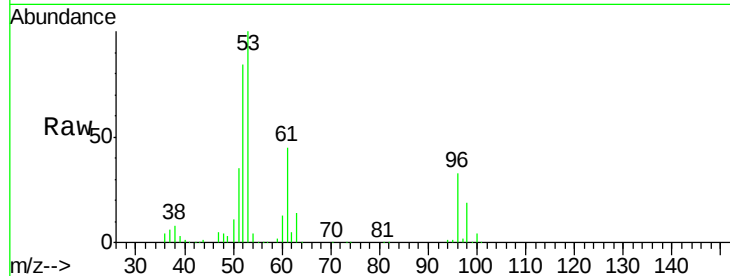
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	75233
Ion	Ratio	Lower	Upper
96	100		
61	136.8	104.0	156.0
98	58.0	52.1	78.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.43 ug/l

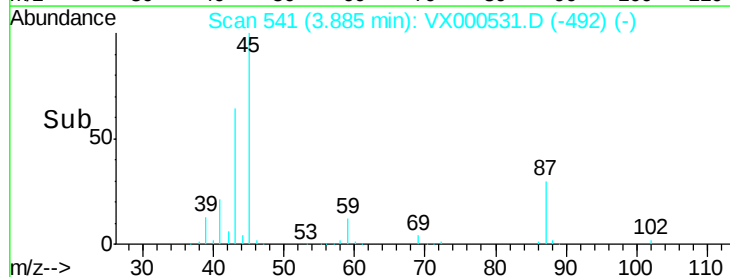
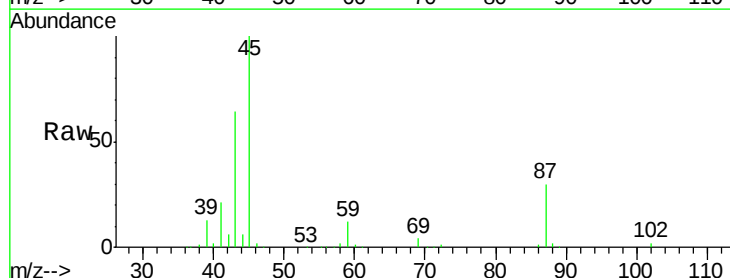
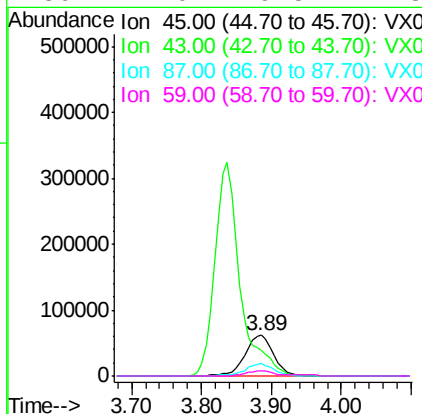
RT: 3.89 min Scan# 541

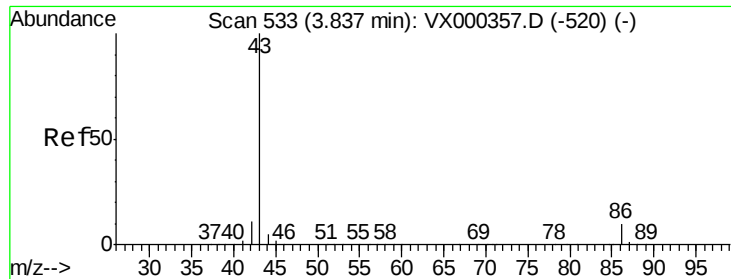
Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Tgt Ion:	45	Resp:	175661
Ion	Ratio	Lower	Upper
45	100		
43	63.6	53.9	80.9
87	30.3	22.6	34.0
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 221.21 ug/l

RT: 3.84 min Scan# 533

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 810771

Ion Ratio Lower Upper

43 100

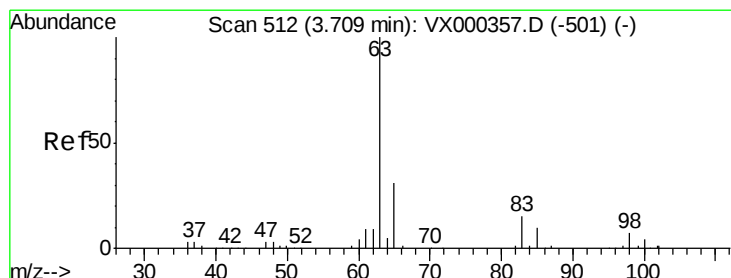
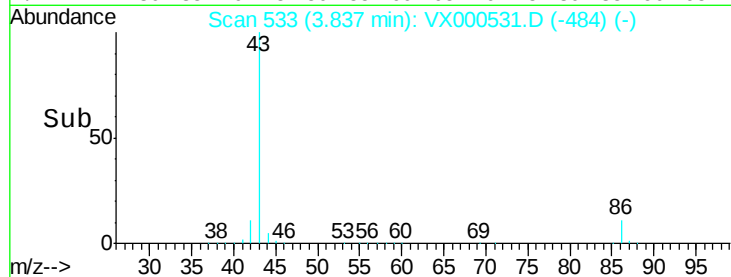
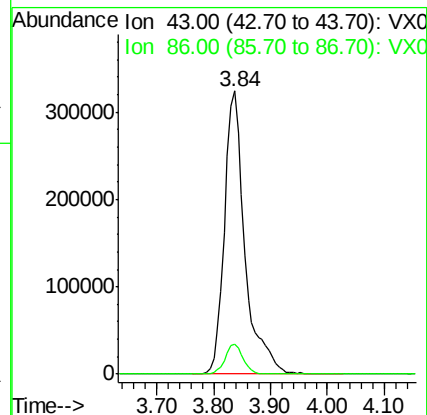
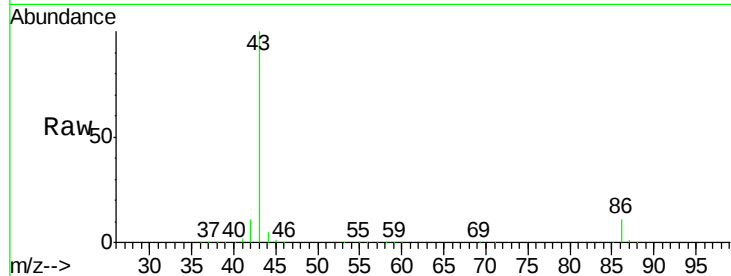
86 10.5 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 43.87 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

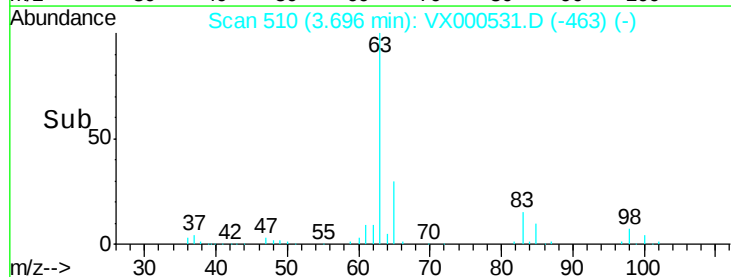
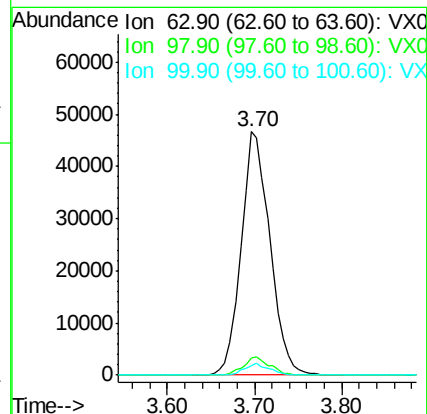
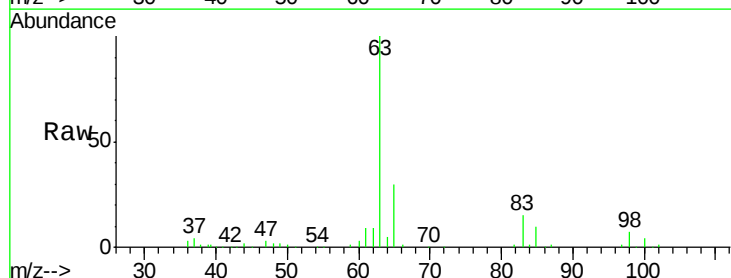
Tgt Ion: 63 Resp: 106646

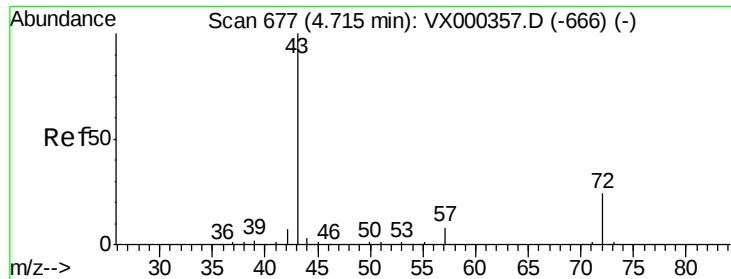
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 237.41 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 330646

Ion Ratio Lower Upper

43 100

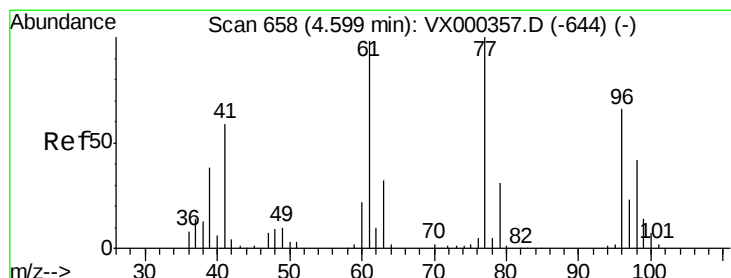
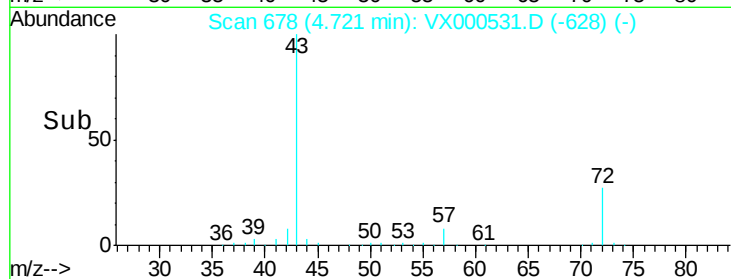
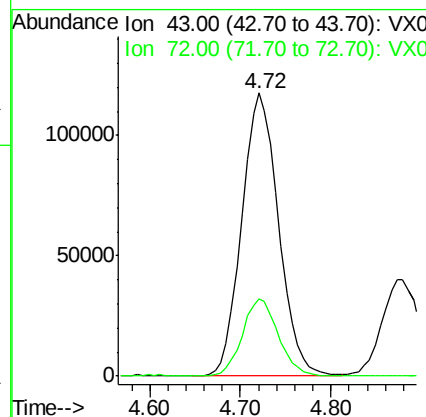
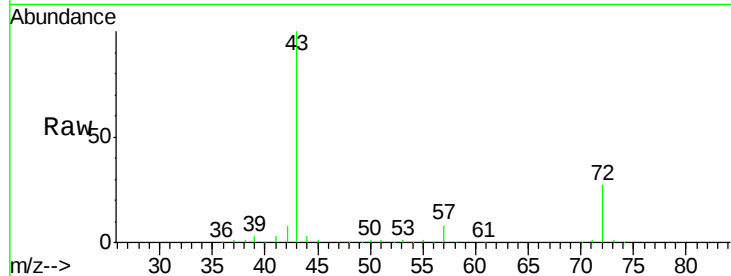
72 27.4 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.06 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000531.D

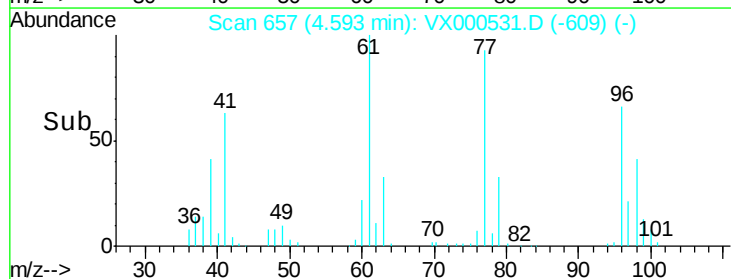
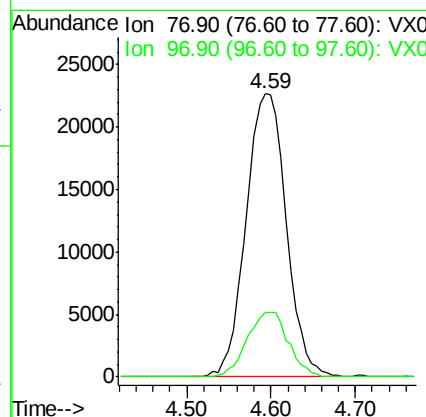
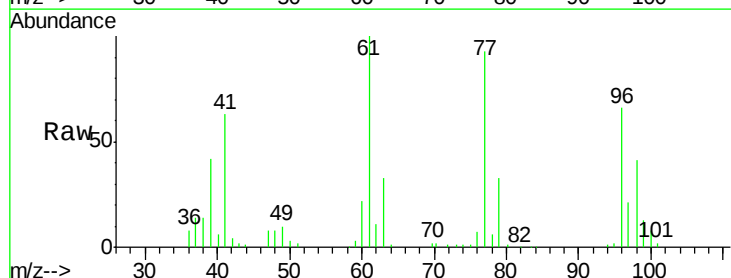
Acq: 29 Mar 2018 23:38

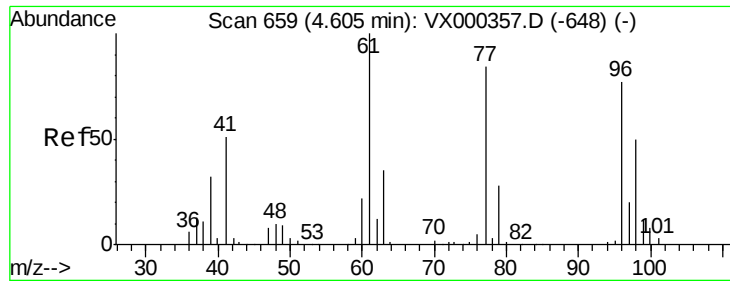
Tgt Ion: 77 Resp: 73360

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.8





#27

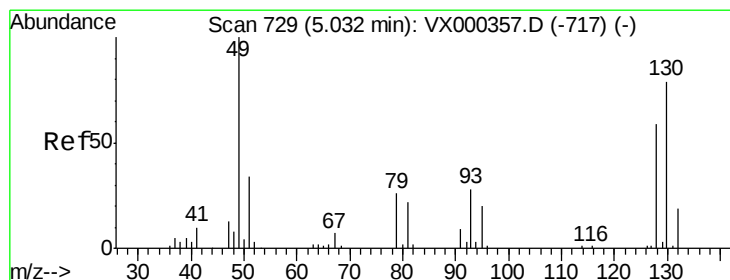
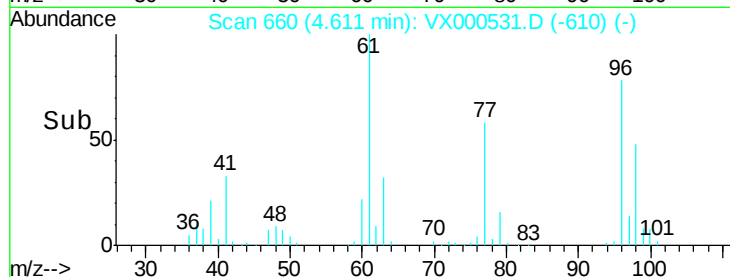
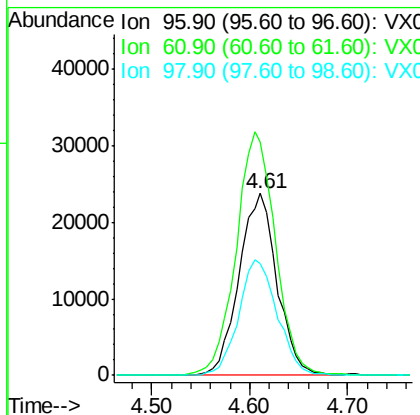
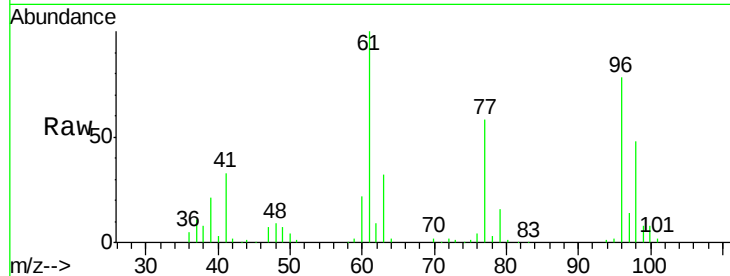
cis-1,2-Dichloroethene
Concen: 49.57 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	63915		
61	138.7		0.0	291.6
98	64.3		0.0	132.0

Manual Integrations
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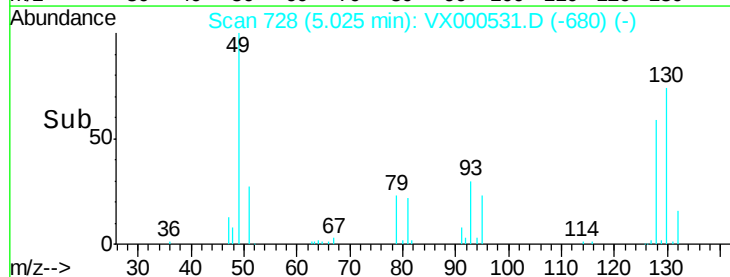
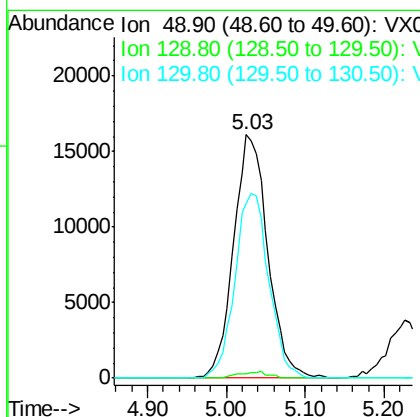
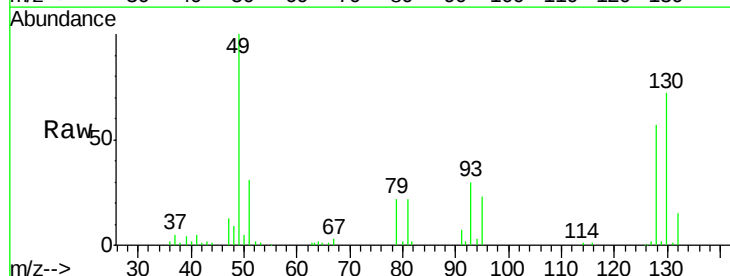
sam
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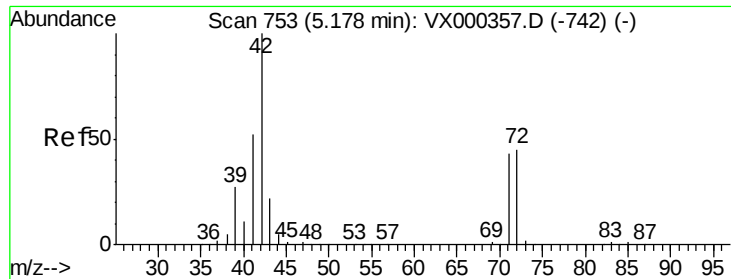


#28

Bromochloromethane
Concen: 48.47 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48590		
129	2.3		0.0	5.0
130	75.2		64.0	96.0





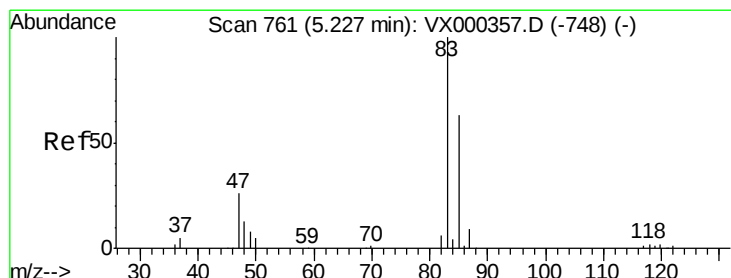
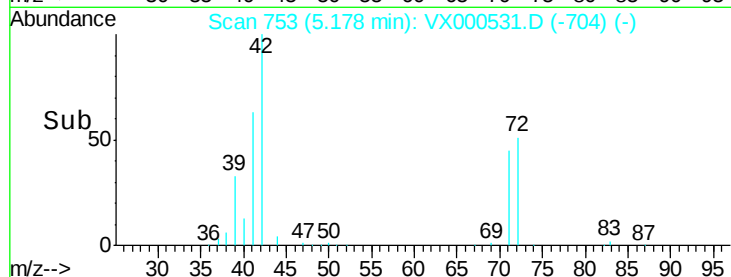
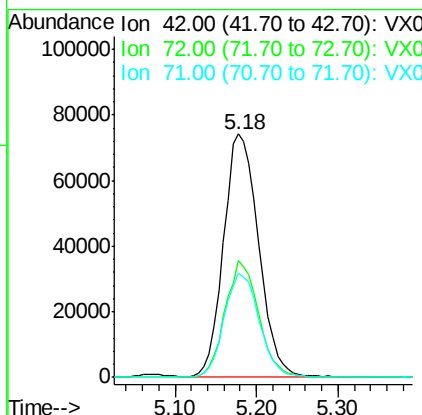
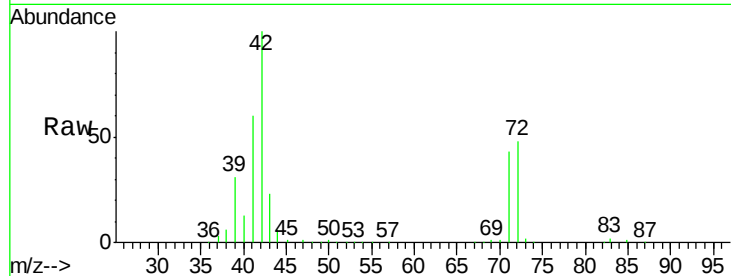
#29
Tetrahydrofuran
Concen: 256.80 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.9	56.9
71	42.9	34.4	51.6

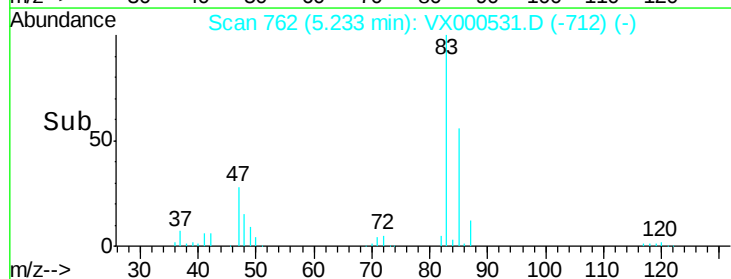
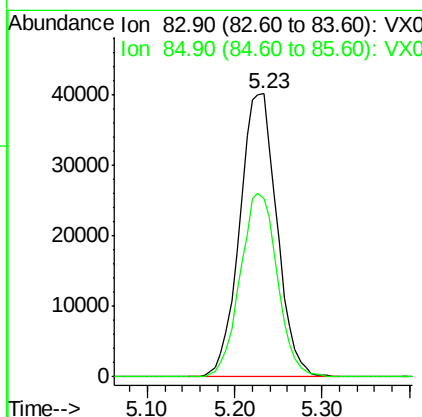
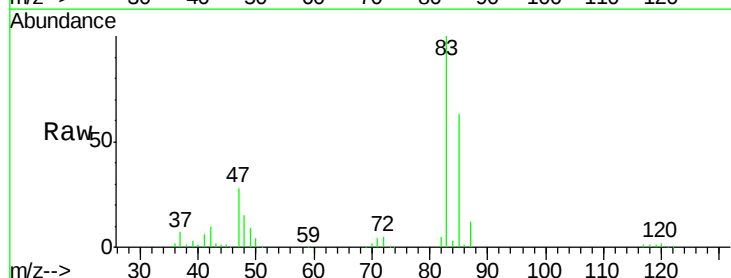
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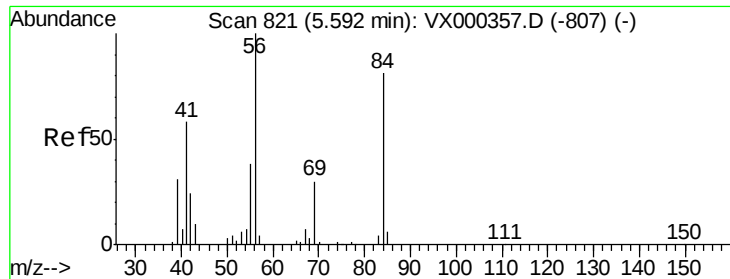
sam
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#30
Chloroform
Concen: 52.05 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	53.3	79.9





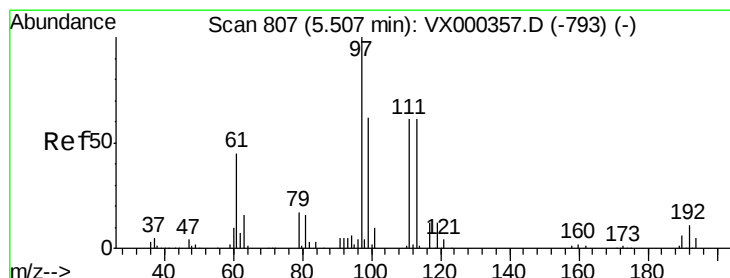
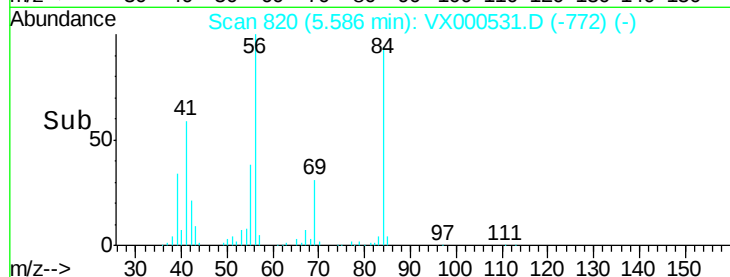
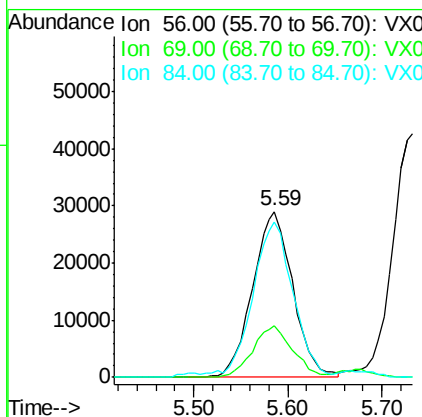
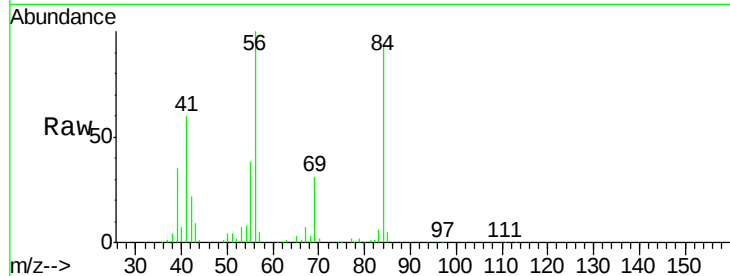
#31
Cyclohexane
Concen: 46.10 ug/l
RT: 5.59 min Scan# 820
Delta R.T. -0.01 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.4	35.0
84	91.3	71.0	106.4

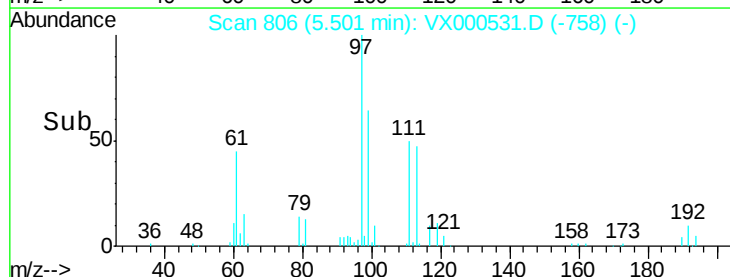
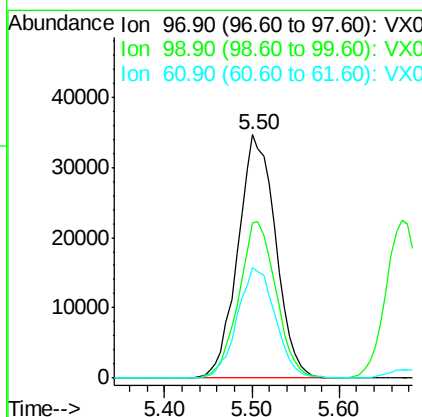
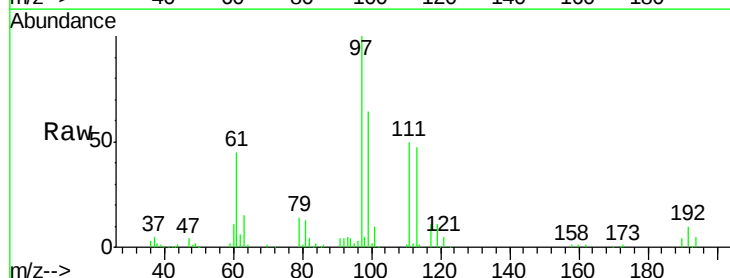
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 50.52 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.1	78.1
61	45.8	36.2	54.4





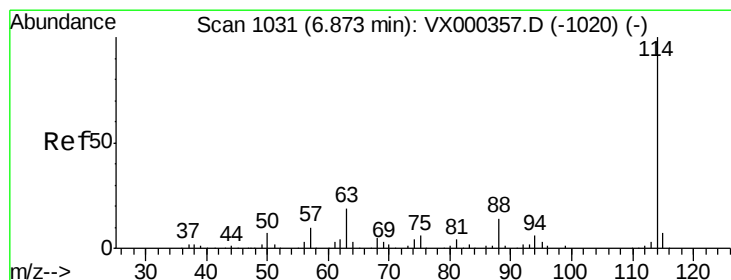
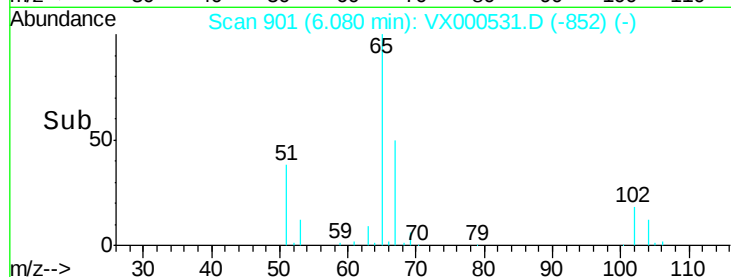
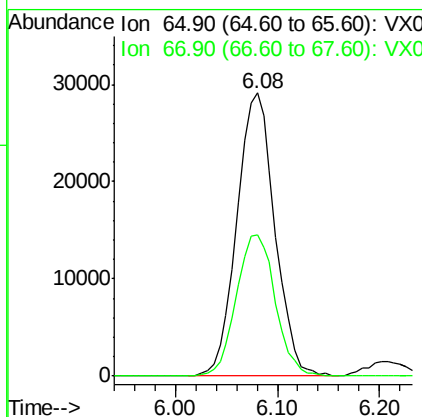
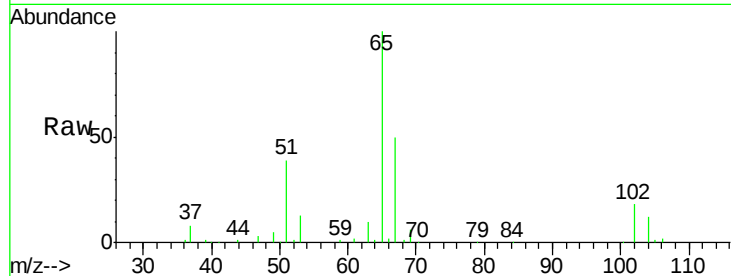
#33
 1,2-Dichloroethane-d4
 Concen: 50.40 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 75076
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.2

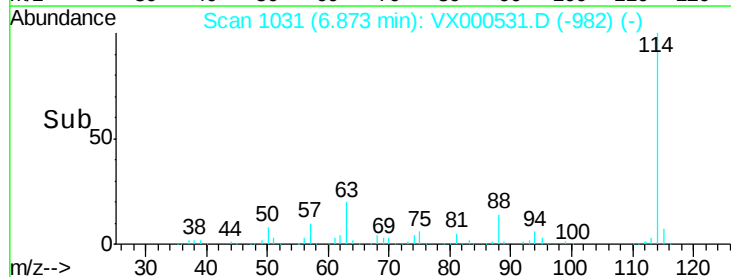
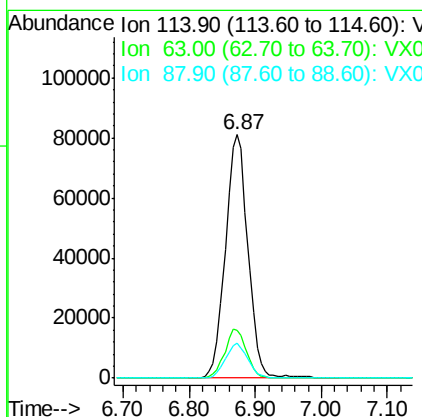
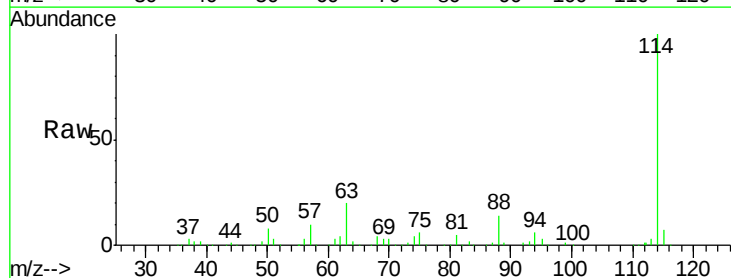
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Tgt Ion: 114 Resp: 191485
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.4
 88 14.3 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.13 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

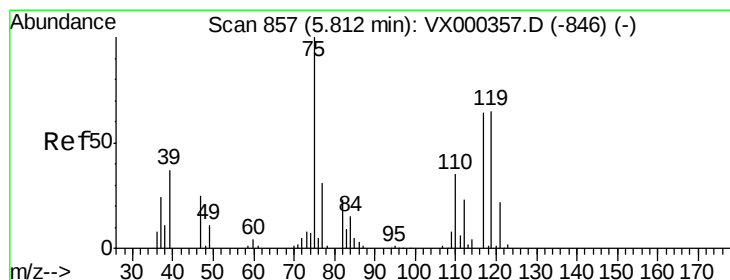
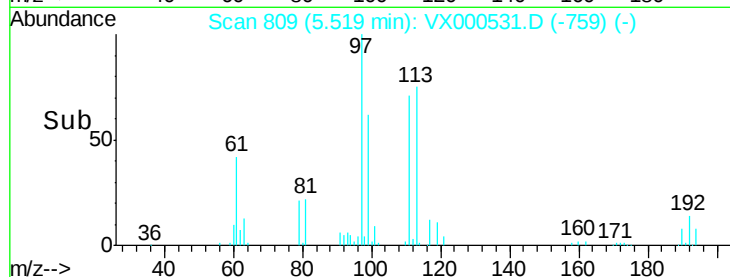
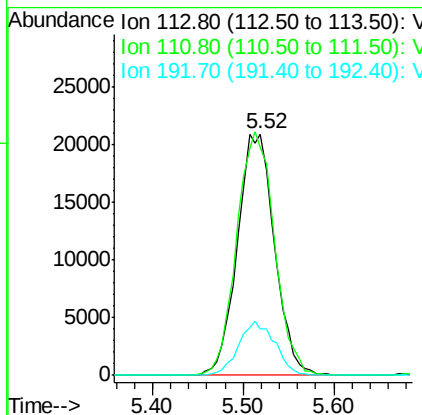
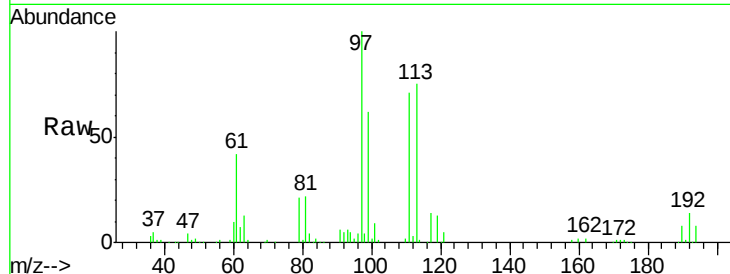
ClientSampled :

VSTDCCC050

Tot Ion:	113	Resp:	59281
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	21.8	15.8	23.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.96 ug/l

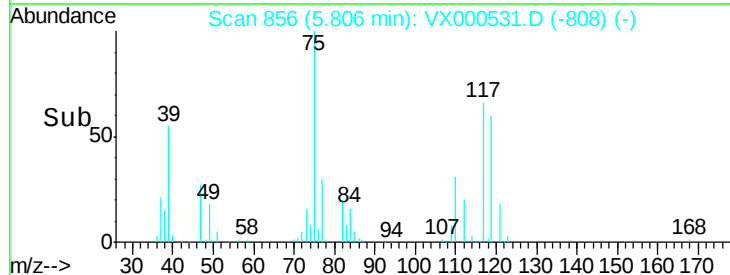
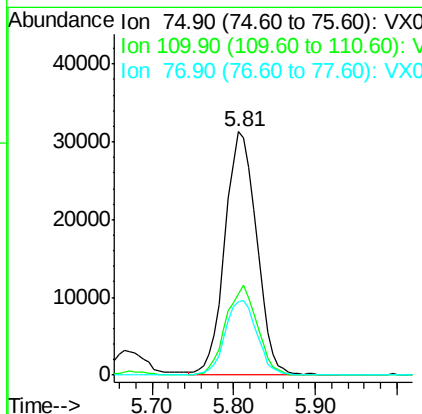
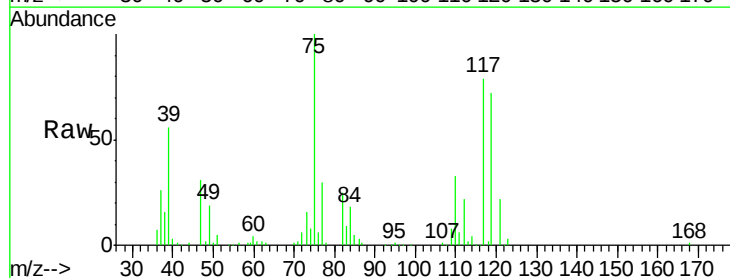
RT: 5.81 min Scan# 856

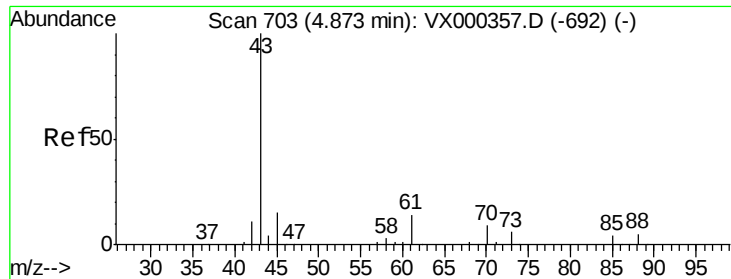
Delta R.T. -0.01 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Tgt Ion:	75	Resp:	84236
Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.9	53.7
77	30.7	24.0	36.0





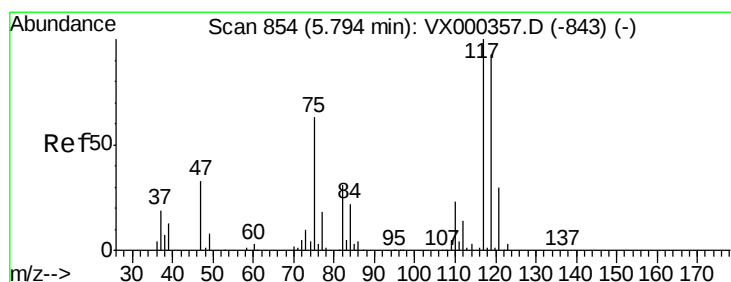
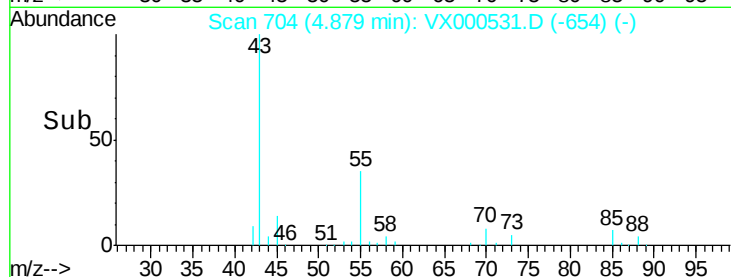
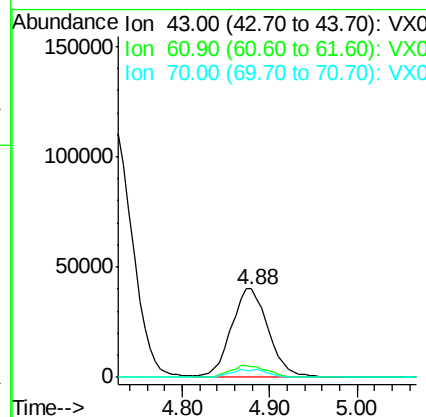
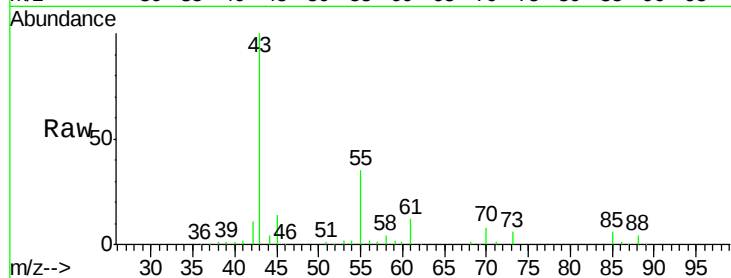
#37
Ethyl Acetate
Concen: 47.83 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	9.2	7.7	11.5

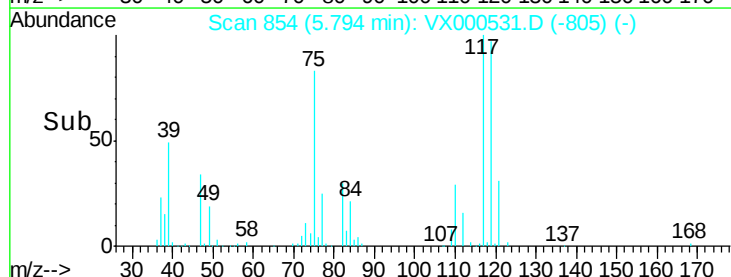
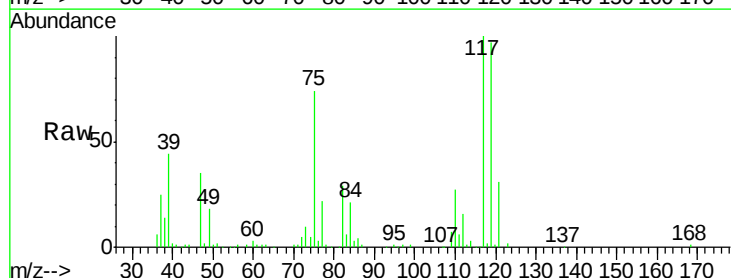
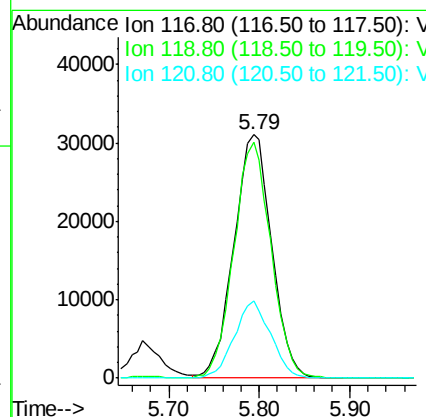
Manual Integrations
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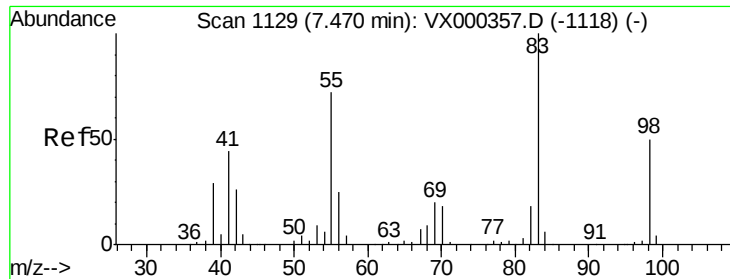
sam
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#38
Carbon Tetrachloride
Concen: 47.82 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.4	116.2
121	31.5	24.8	37.2





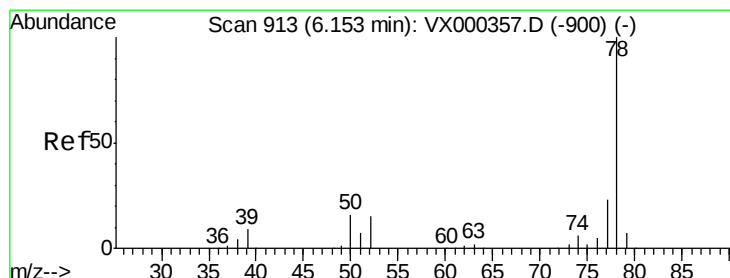
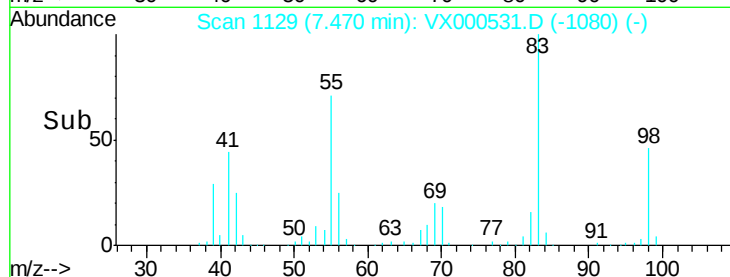
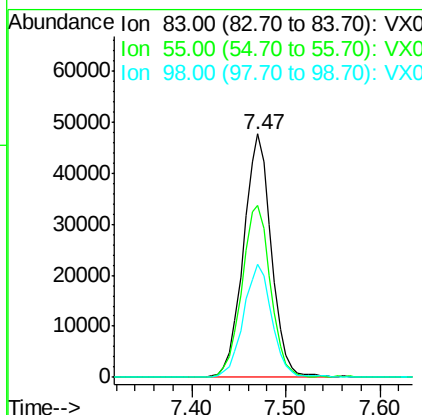
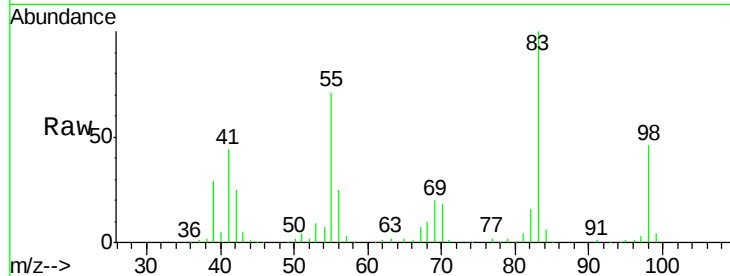
#39
Methylvlcyclohexane
Concen: 45.26 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	98733
Ion Ratio	100	Lower	Upper
83	100		
55	70.8	55.5	83.3
98	46.2	38.2	57.4

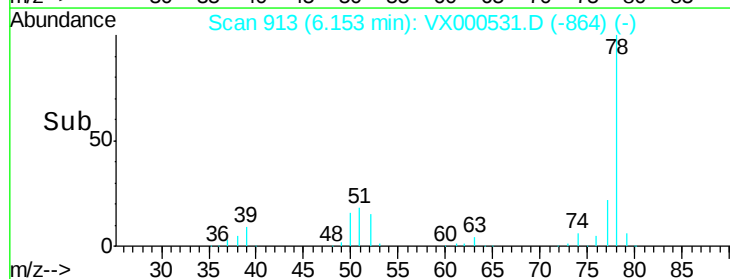
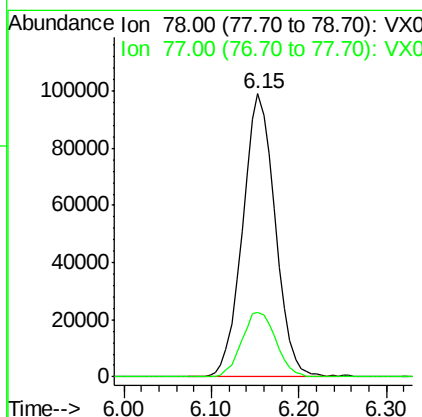
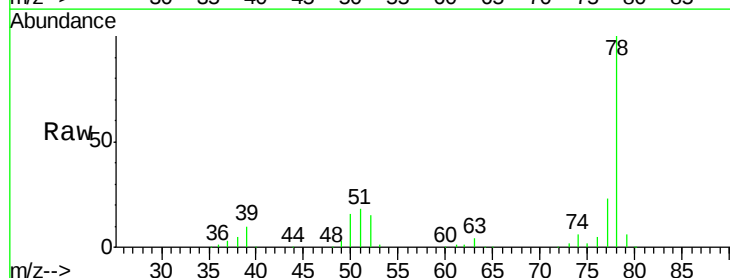
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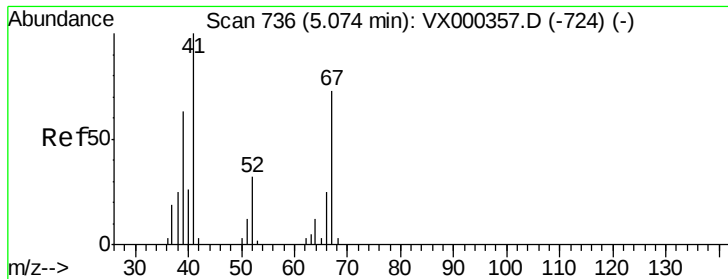
sam
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#40
Benzene
Concen: 48.97 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion	78	Resp	255085
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	18.7	28.1





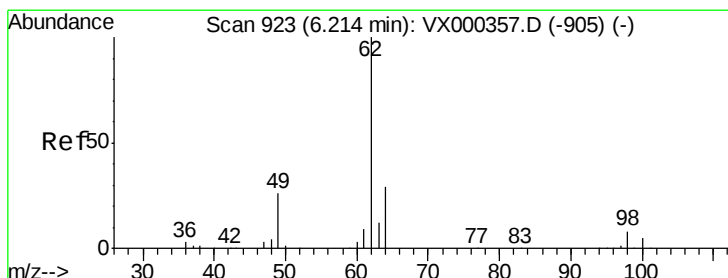
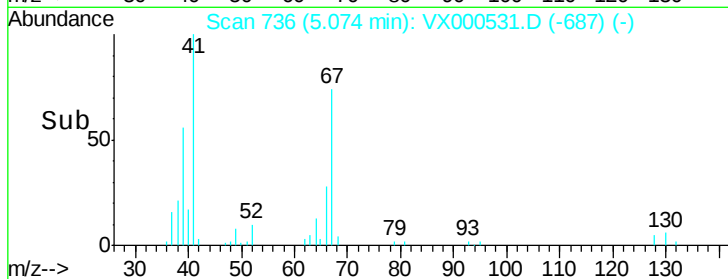
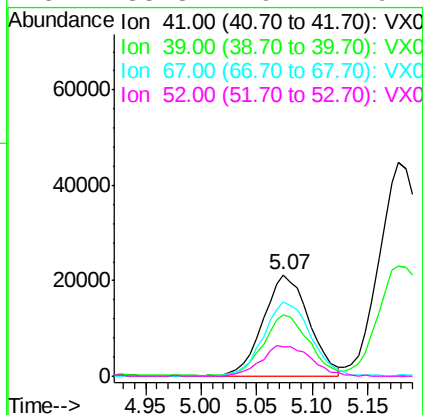
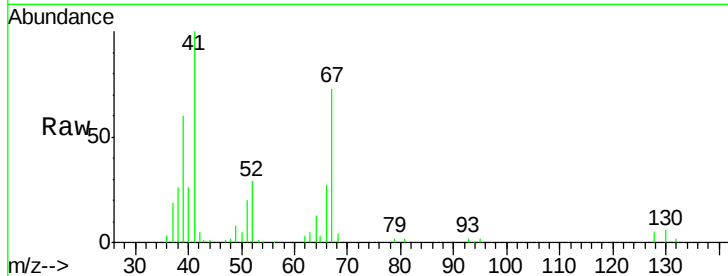
#41
Methacrylonitrile
Concen: 47.03 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	60749
Ion	Ratio	Lower	Upper
41	100		
39	59.3	45.7	68.5
67	75.5	57.8	86.8
52	33.3	26.7	40.1

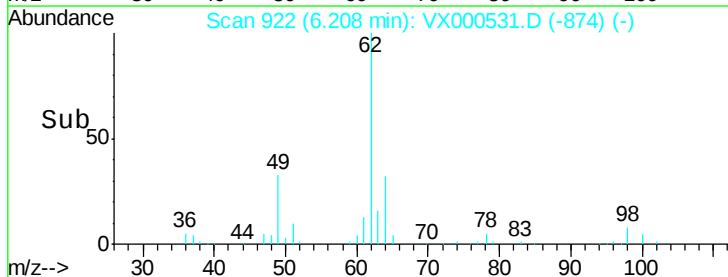
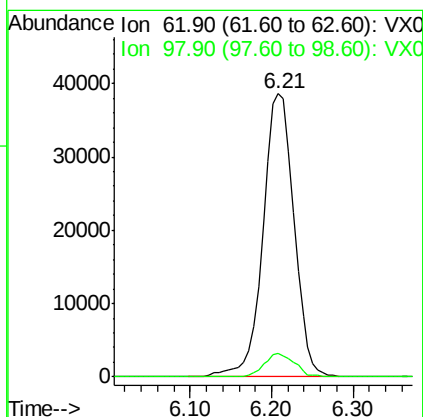
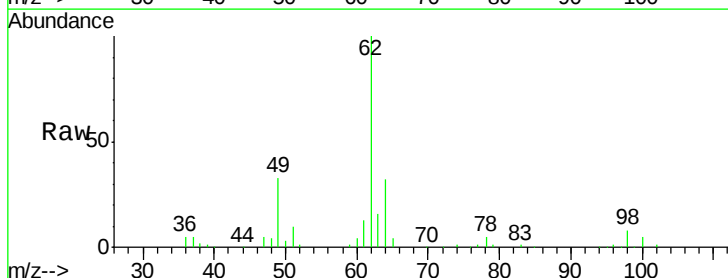
Manual Integrations
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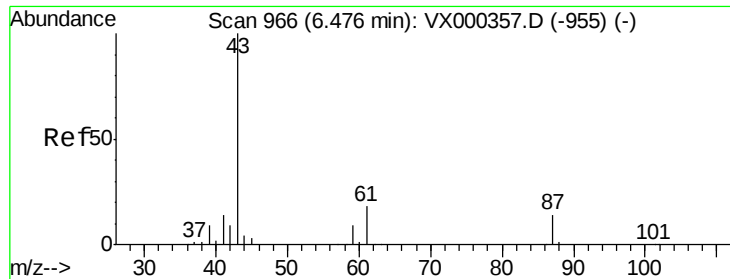
sam
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#42
1,2-Dichloroethane
Concen: 49.93 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.01 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion:	62	Resp:	102033
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

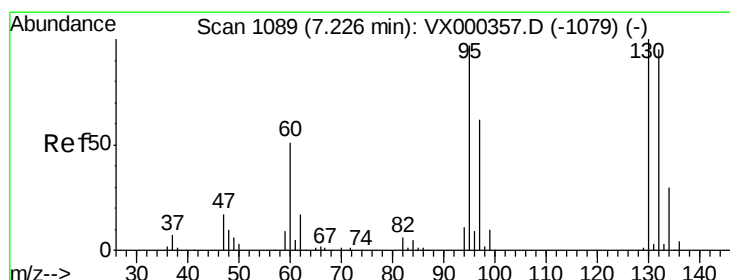
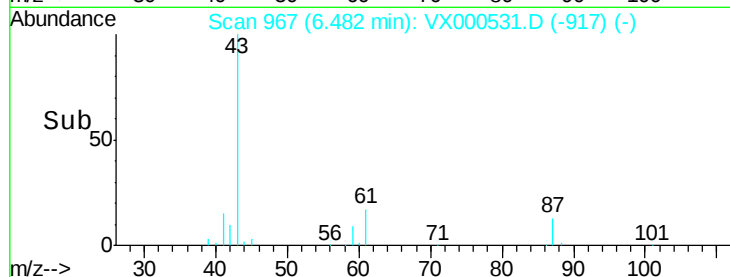
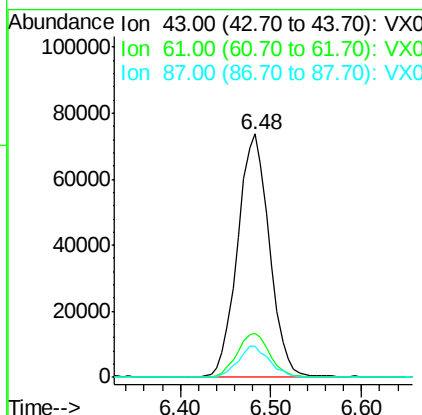
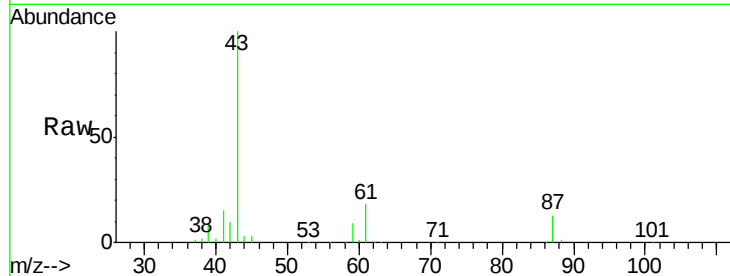
Isopropyl Acetate
 Concen: 49.22 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	43	Resp:	179524
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.4	21.6
87	12.8	11.0	16.4

Manual Integrations
 APPROVED

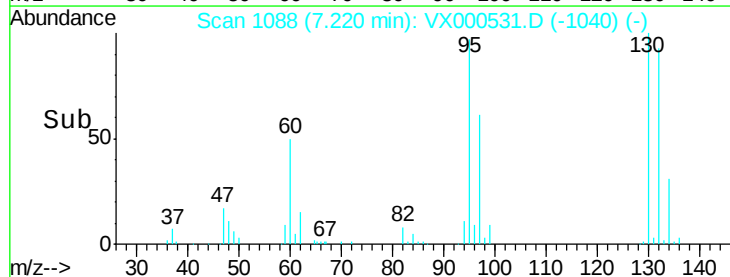
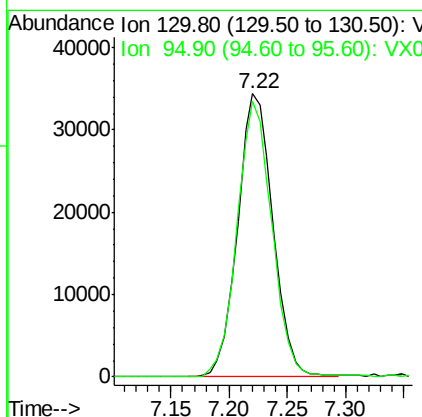
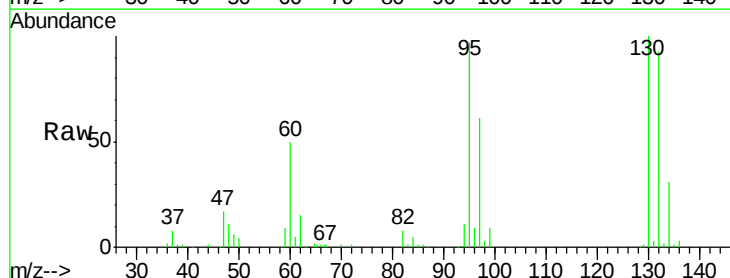
sam
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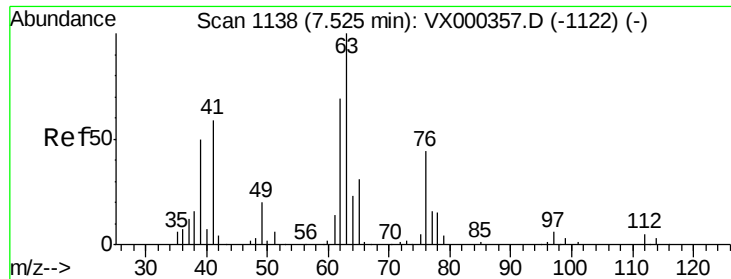


#44

Trichloroethene
 Concen: 48.60 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Tgt Ion:	130	Resp:	72526
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	186.0





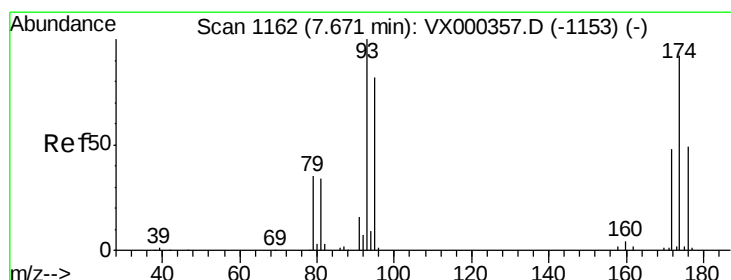
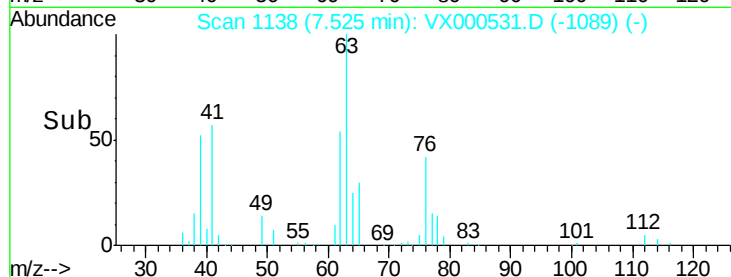
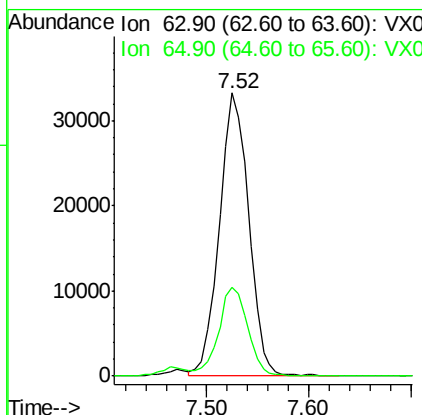
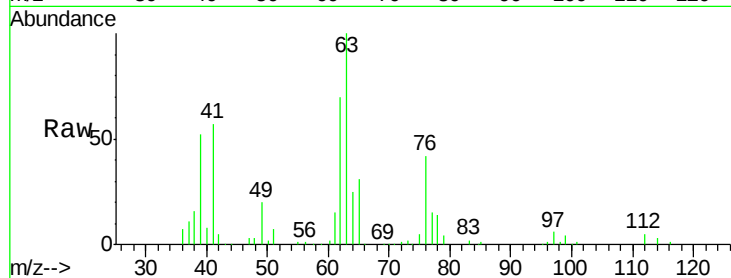
#45
 1,2-Dichloropropane
 Concen: 50.10 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 66801
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 36.8

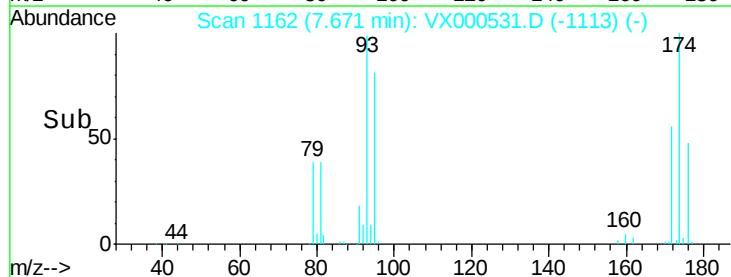
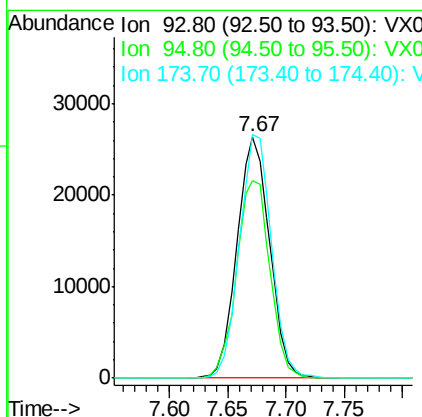
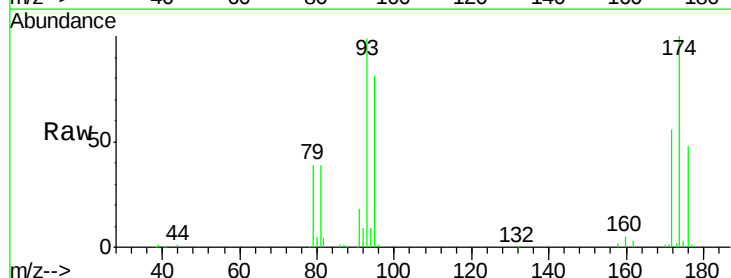
Manual Integrations
 APPROVED

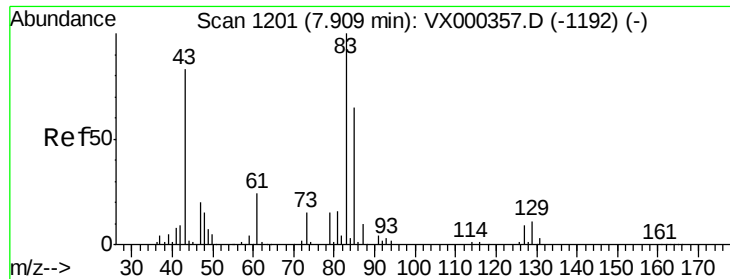
sam
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#46
 Dibromomethane
 Concen: 49.21 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Tgt Ion: 93 Resp: 51498
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.5 99.7
 174 99.1 76.0 114.0





#47

Bromodichloromethane

Concen: 51.29 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

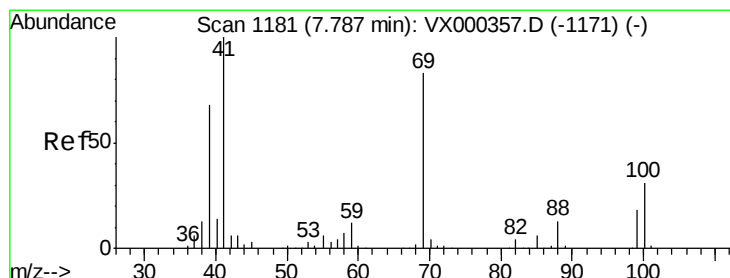
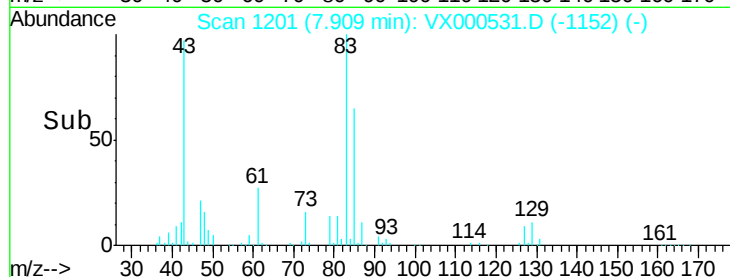
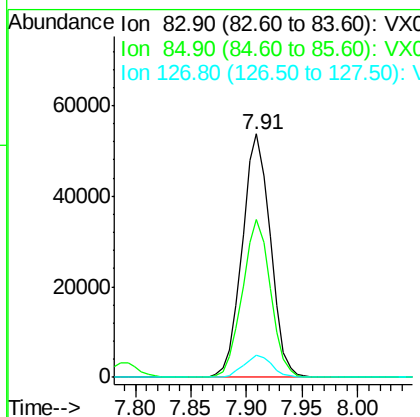
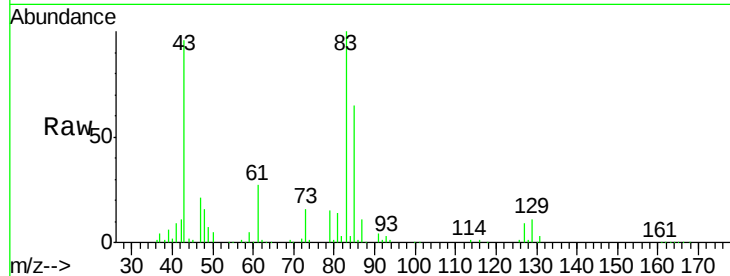
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	94443
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0
127	9.2	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.50 ug/l

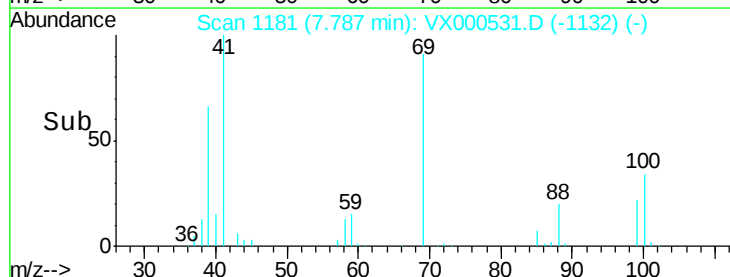
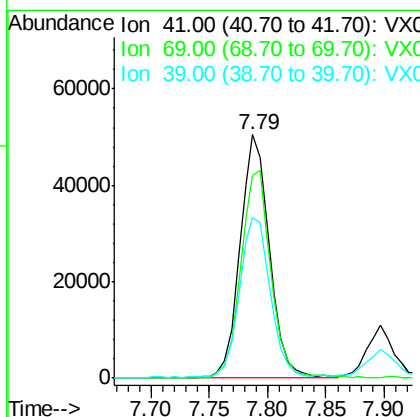
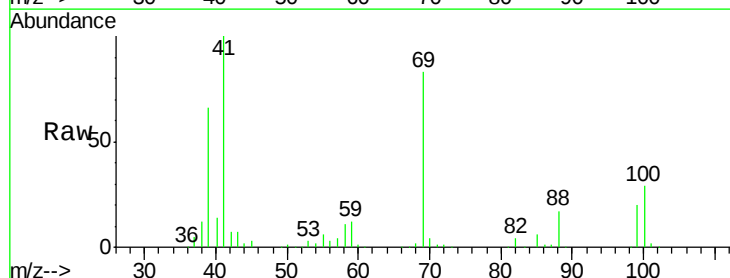
RT: 7.79 min Scan# 1181

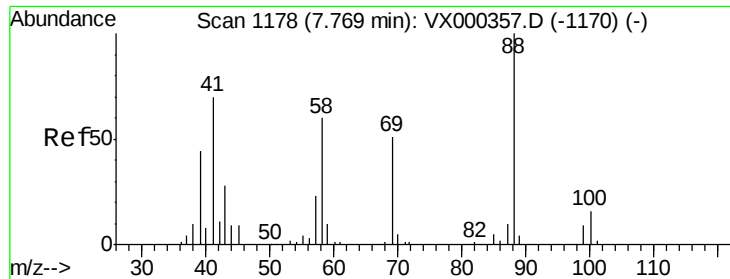
Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Tgt Ion:	41	Resp:	89416
Ion	Ratio	Lower	Upper
41	100		
69	86.9	68.2	102.4
39	68.0	54.6	81.8





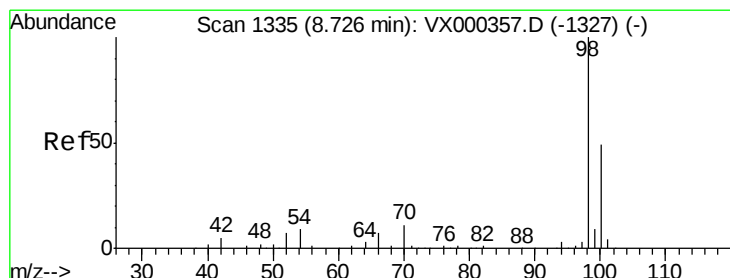
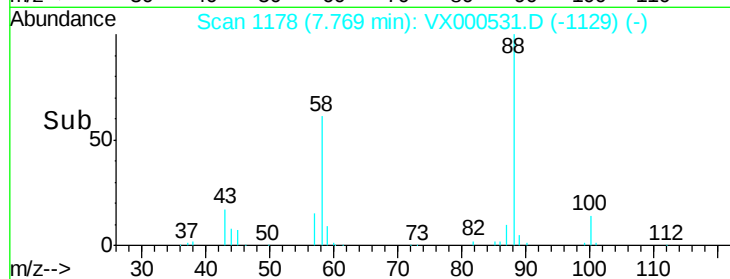
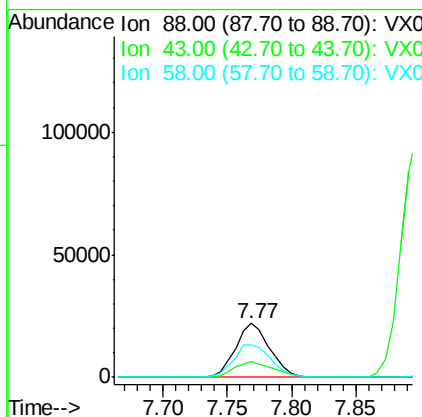
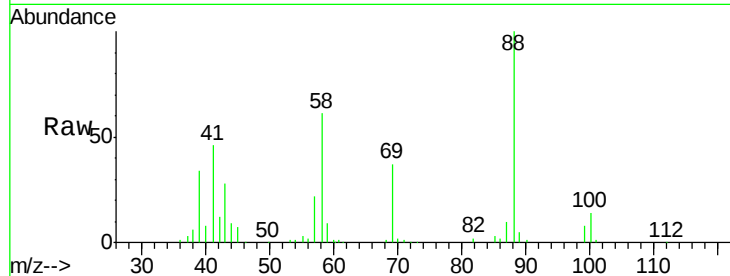
#49
 1,4-Dioxane
 Concen: 1091.63 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.8	40.2
58	66.5	52.2	78.2

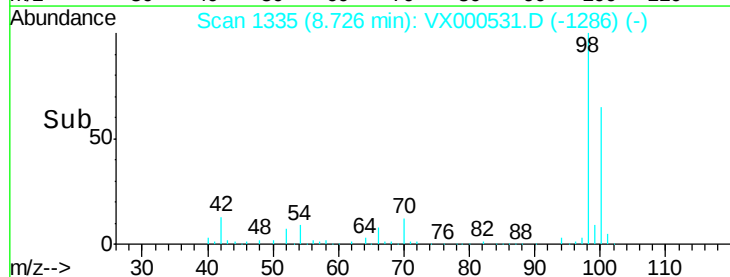
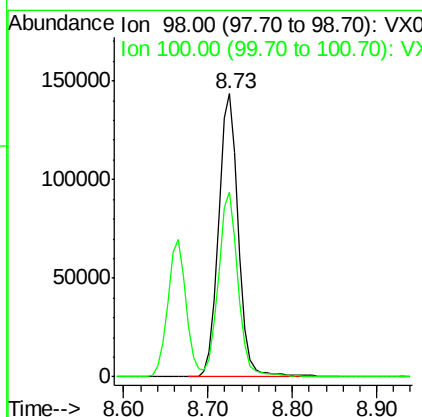
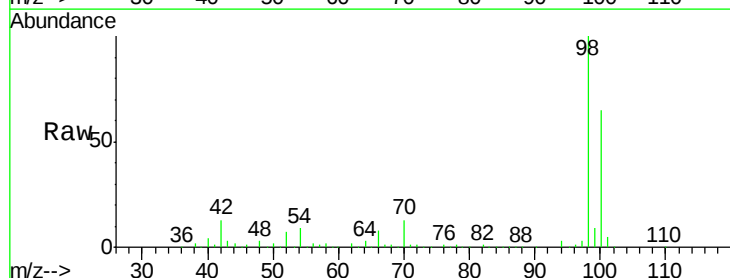
Manual Integrations
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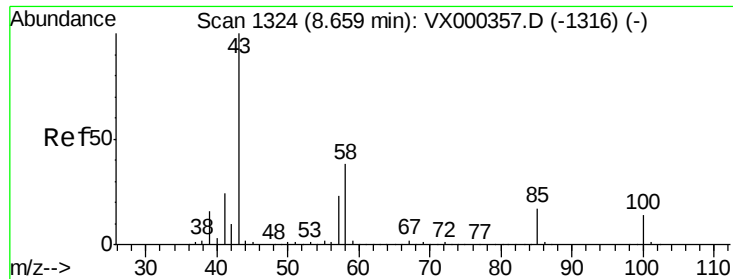
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#50
 Toluene-d8
 Concen: 46.54 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 256.60 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 724365

Ion Ratio Lower Upper

43 100

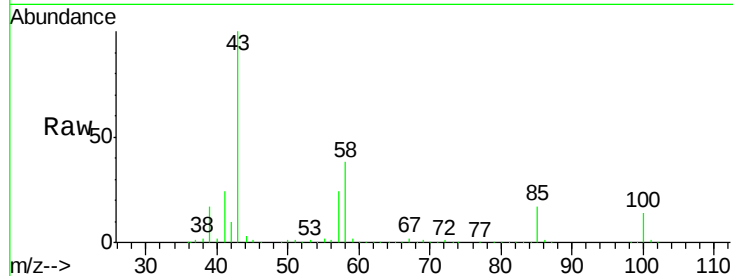
58 37.2 30.3 45.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

400000

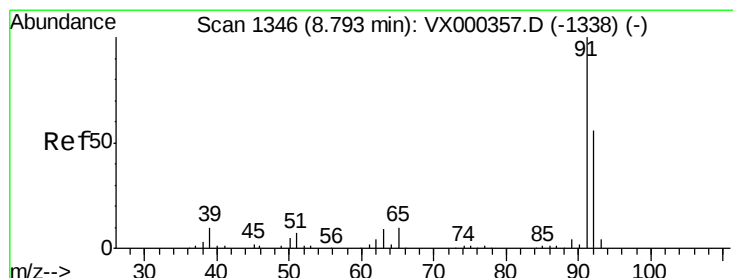
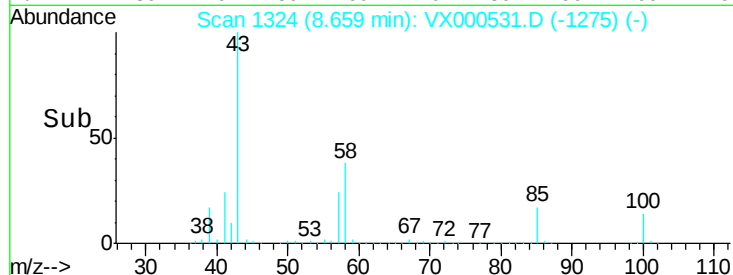
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.99 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000531.D

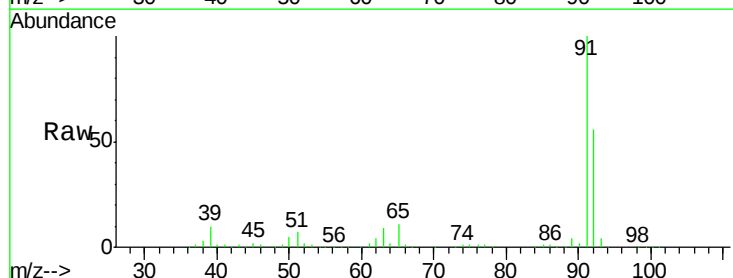
Acq: 29 Mar 2018 23:38

Tgt Ion: 92 Resp: 178396

Ion Ratio Lower Upper

92 100

91 178.6 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

200000

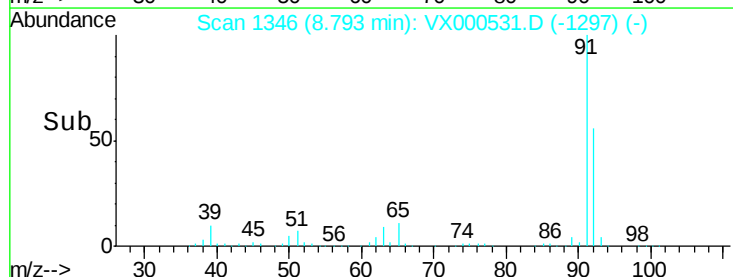
150000

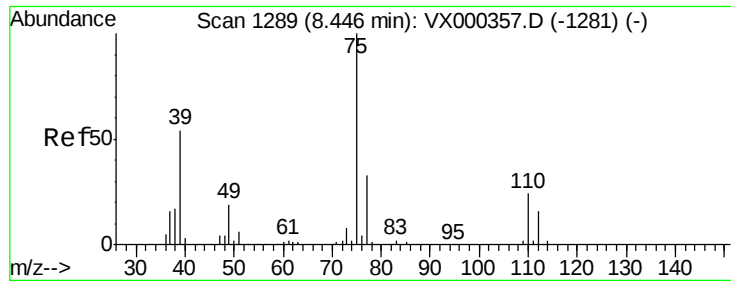
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.09 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 106866

Ion Ratio Lower Upper

75 100

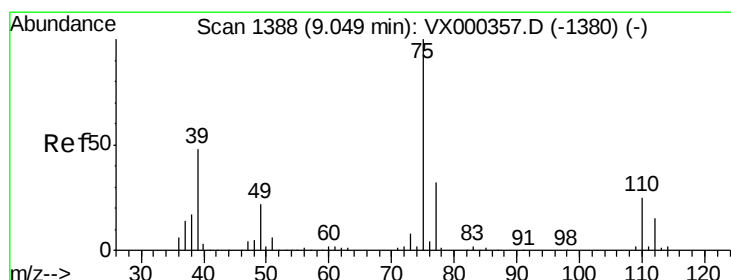
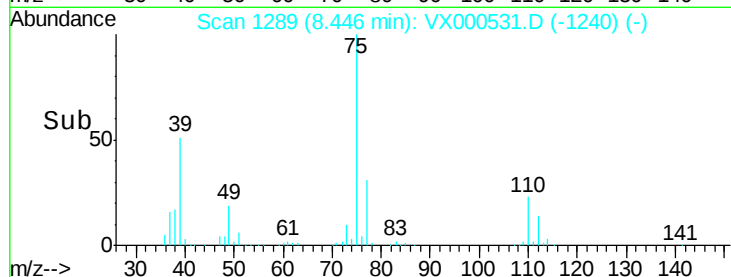
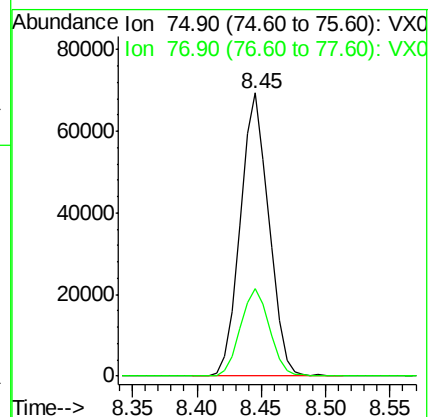
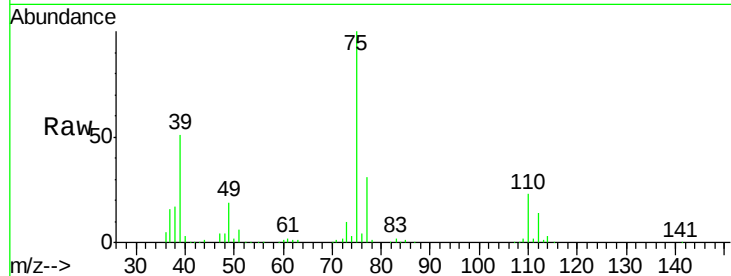
77 31.1 24.0 36.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.79 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

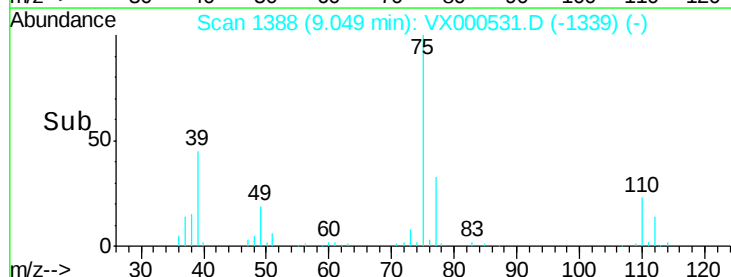
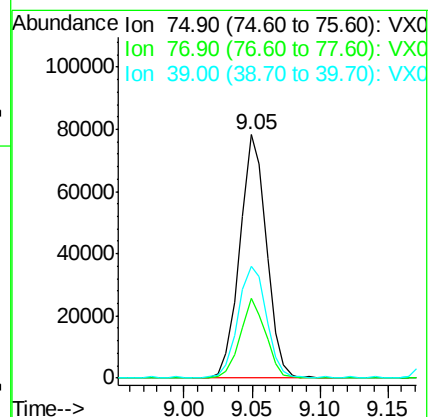
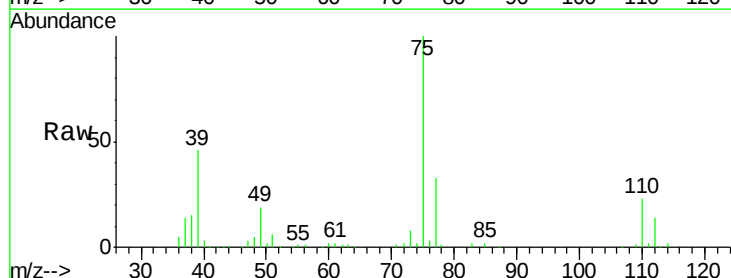
Tgt Ion: 75 Resp: 107181

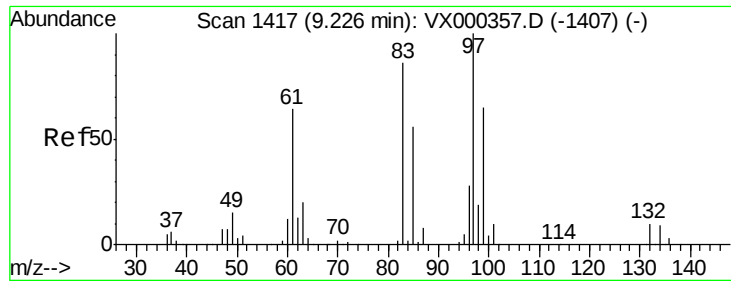
Ion Ratio Lower Upper

75 100

77 32.9 26.1 39.1

39 45.9 39.8 59.6





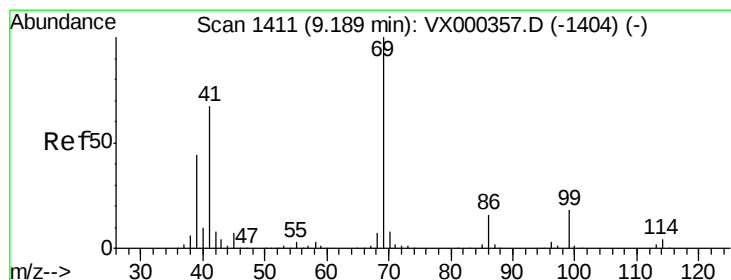
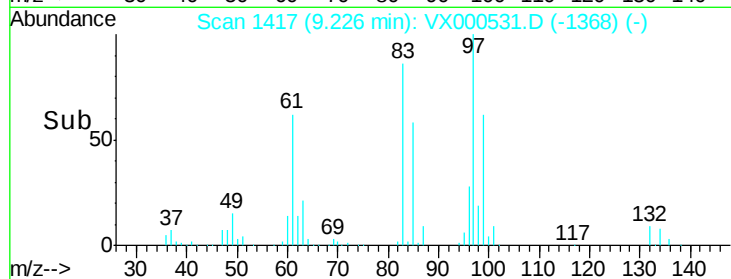
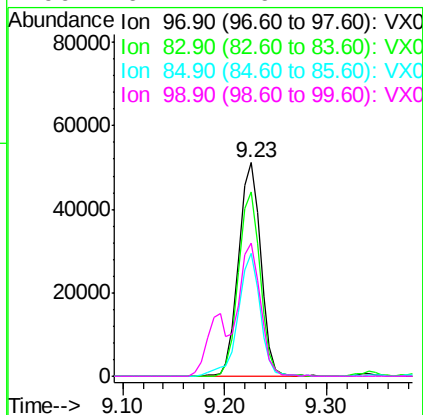
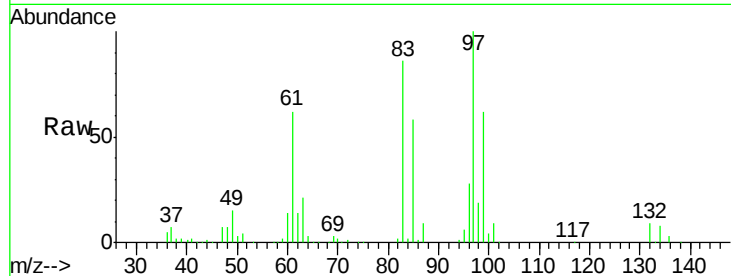
#55
 1,1,2-Trichloroethane
 Concen: 50.97 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	76332
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.9	101.9
85	57.7	42.8	64.2
99	62.1	49.4	74.2

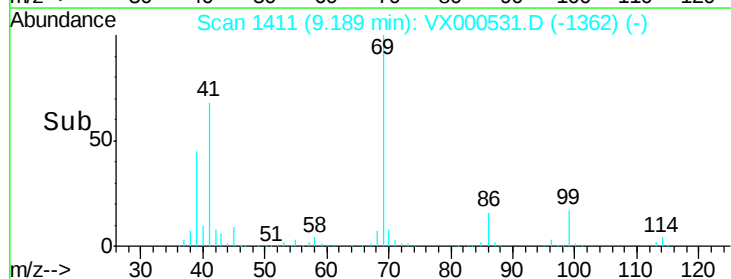
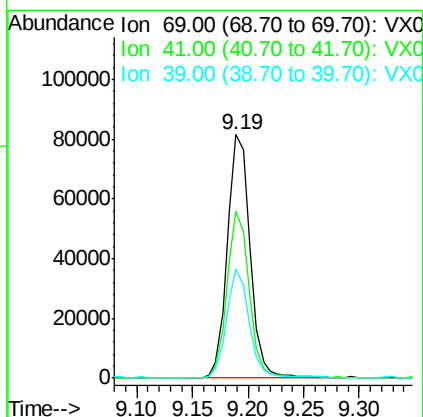
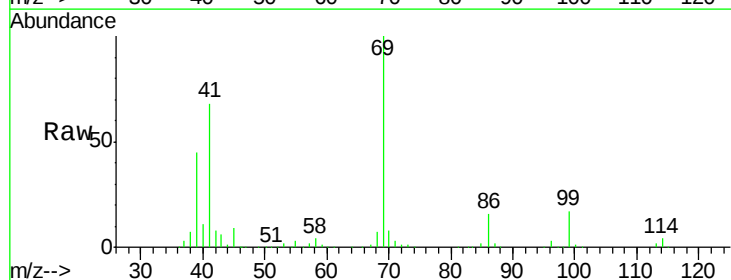
Manual Integrations
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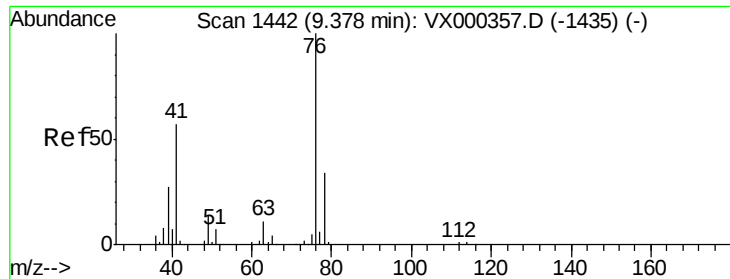
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#56
 Ethyl methacrylate
 Concen: 51.10 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Tgt Ion:	69	Resp:	115952
Ion	Ratio	Lower	Upper
69	100		
41	67.3	53.0	79.6
39	43.4	35.3	52.9





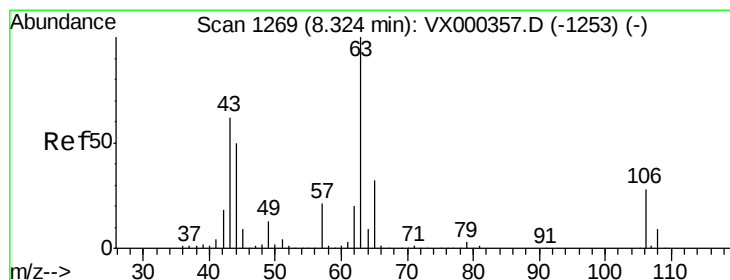
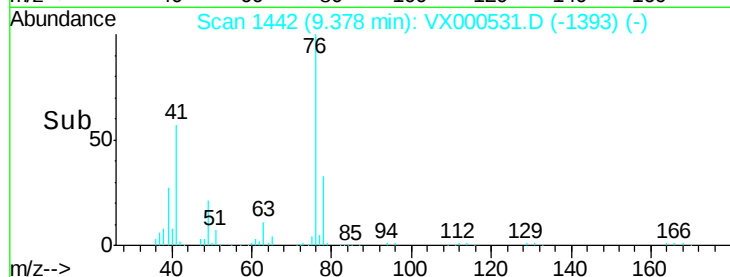
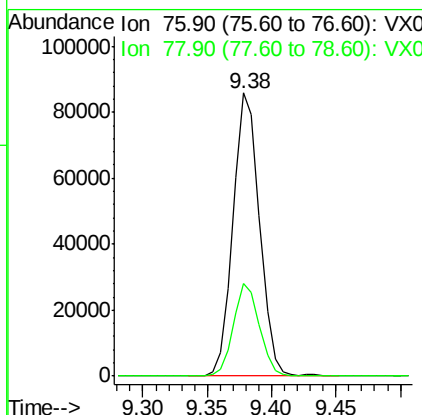
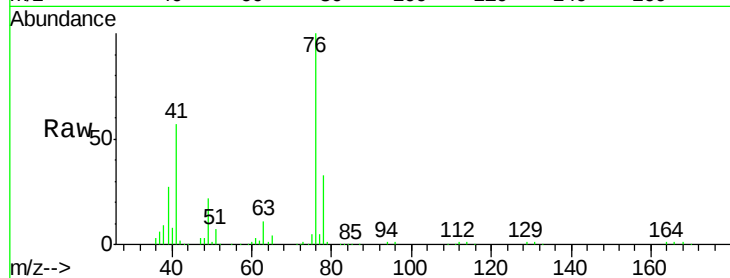
#57
 1,3-Dichloropropane
 Concen: 51.61 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.4	39.6

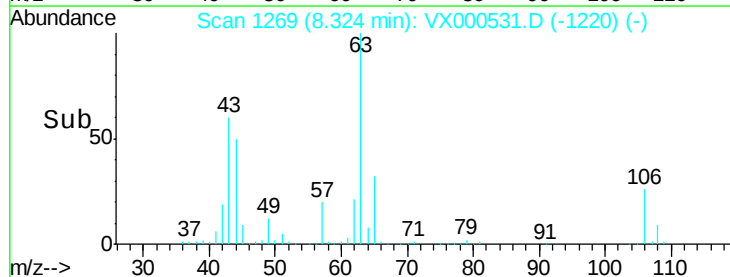
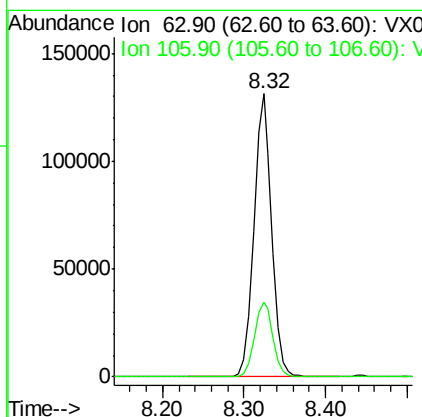
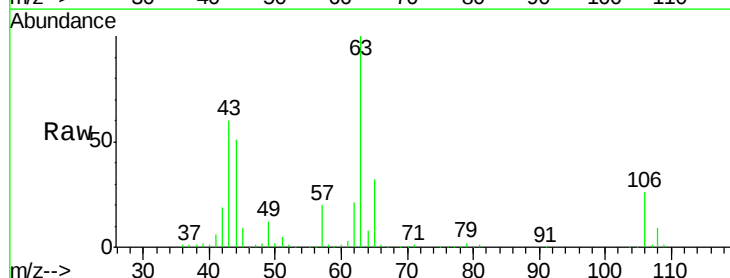
Manual Integrations
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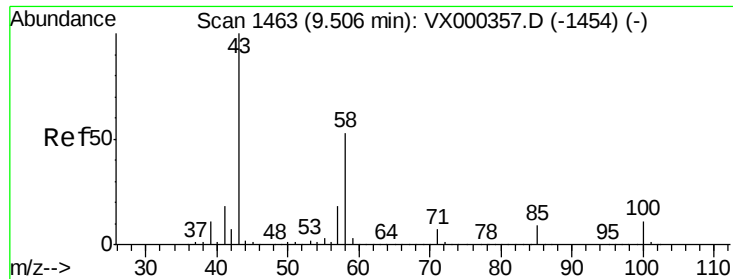
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#58
 2-Chloroethyl Vinyl ether
 Concen: 183.84 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	23.2	34.8





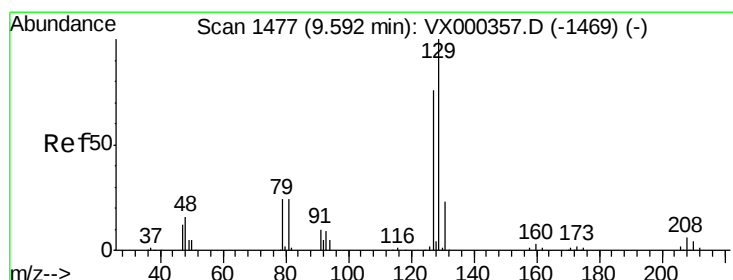
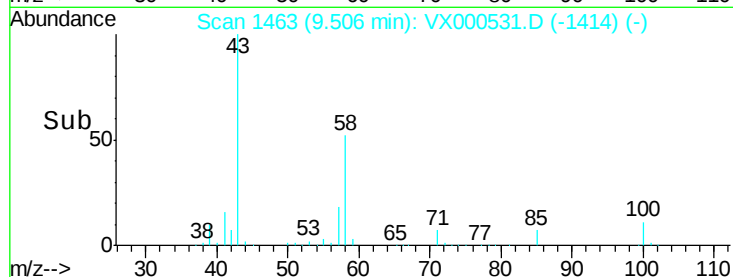
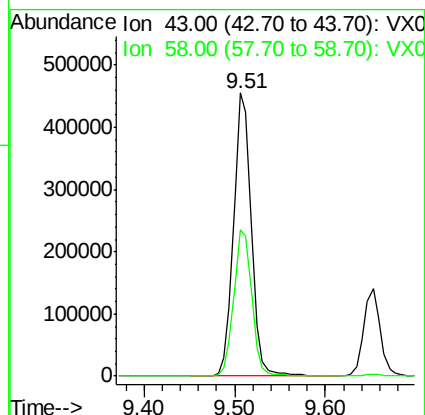
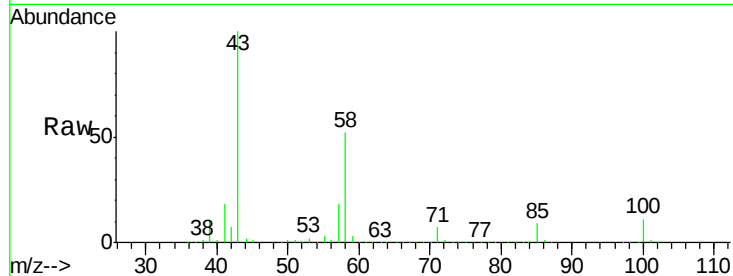
#59
2-Hexanone
Concen: 256.91 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 615829
Ion Ratio Lower Upper
43 100
58 53.0 26.6 79.7

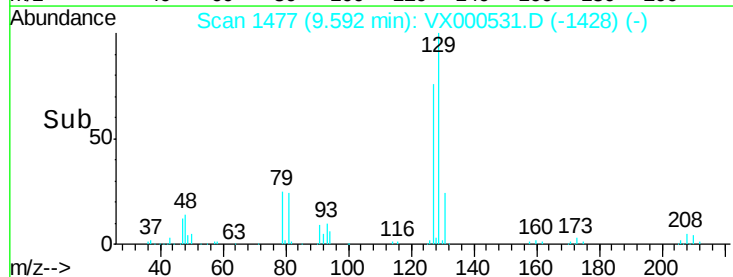
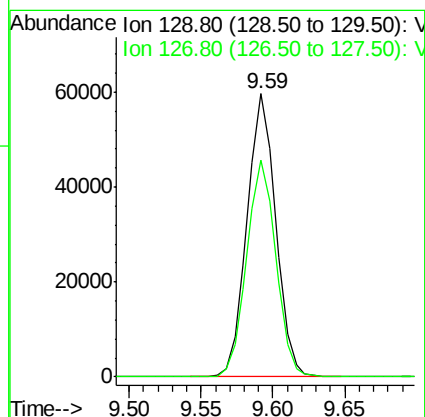
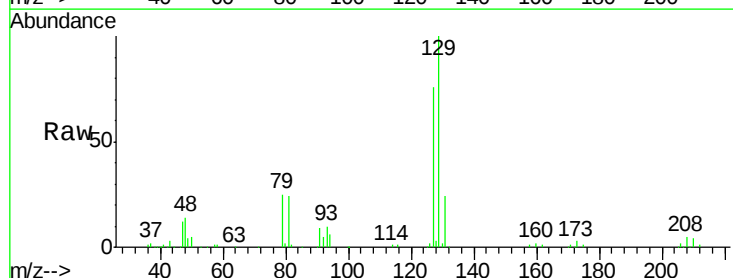
Manual Integrations
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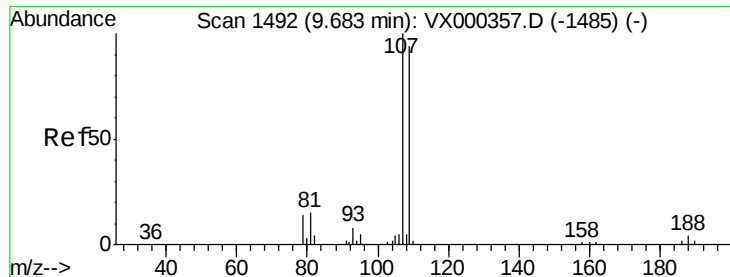
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#60
Dibromochloromethane
Concen: 46.80 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion: 129 Resp: 82421
Ion Ratio Lower Upper
129 100
127 77.5 37.9 113.6





#61

1,2-Dibromoethane

Concen: 52.18 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 83788

Ion Ratio Lower Upper

107 100

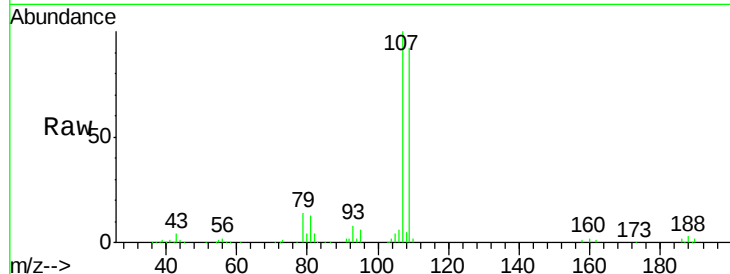
109 94.4 76.1 114.1

Manual Integrations

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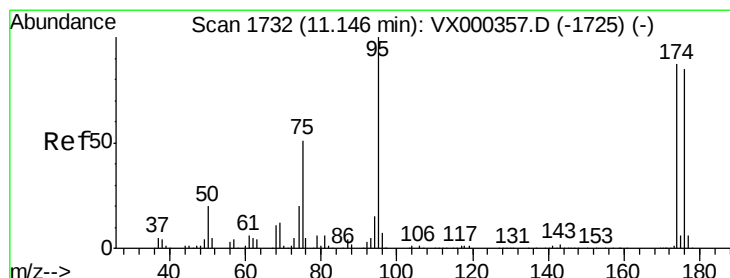
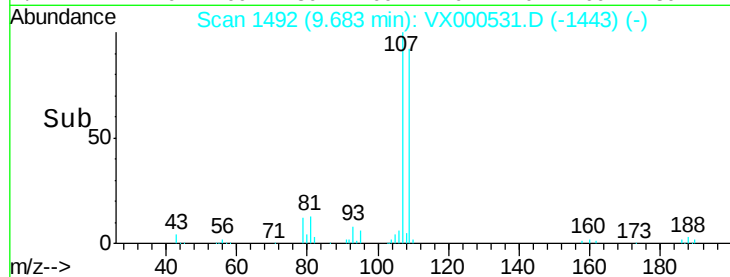
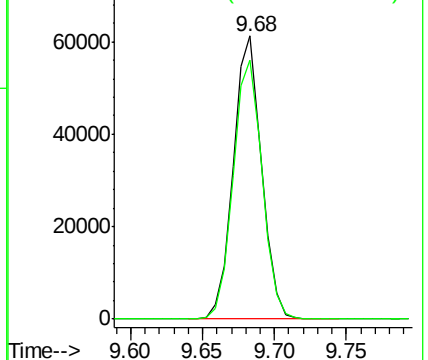
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.72 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

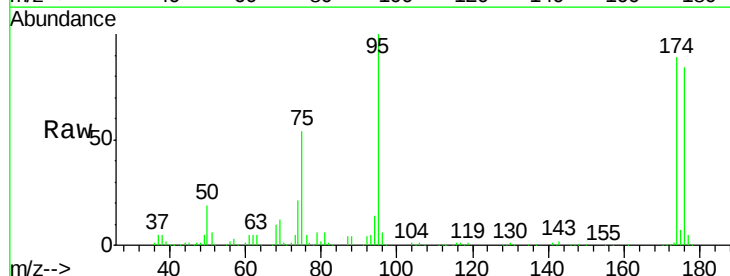
Tgt Ion: 95 Resp: 100102

Ion Ratio Lower Upper

95 100

174 89.1 0.0 173.6

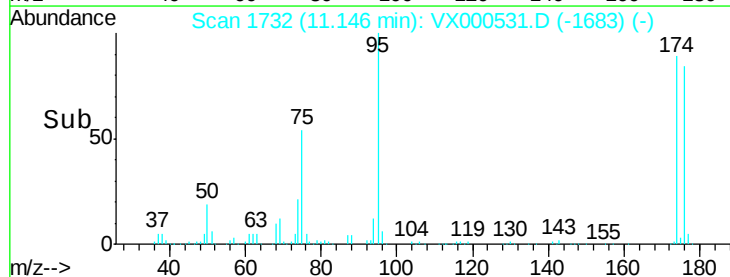
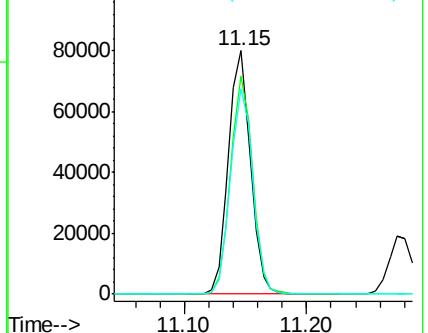
176 85.2 0.0 164.6

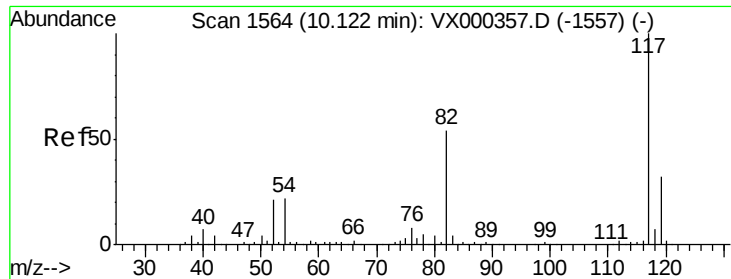


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





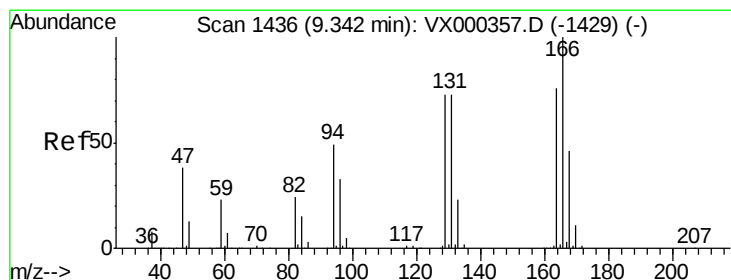
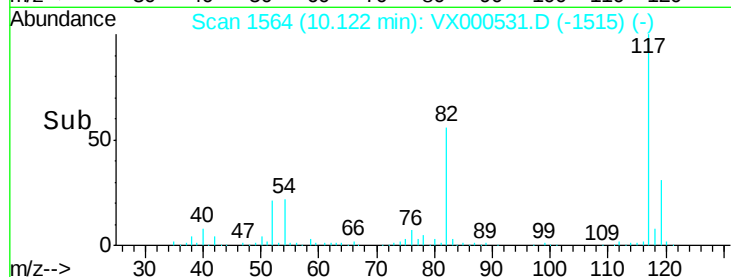
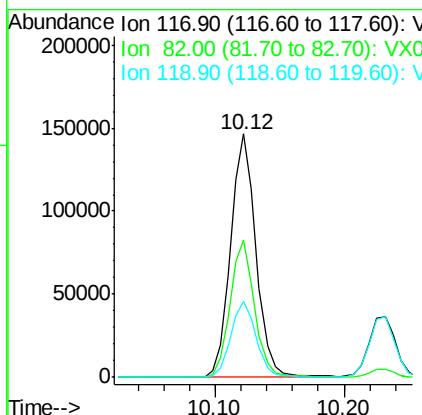
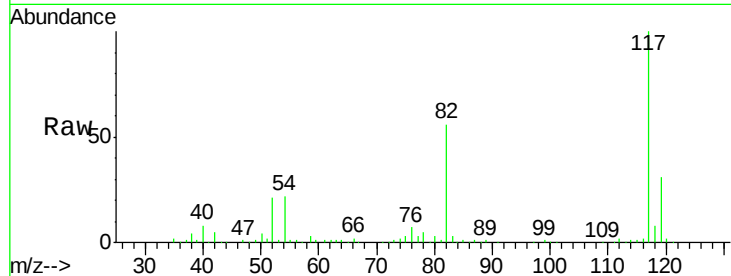
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.8	65.8
119	31.1	24.9	37.3

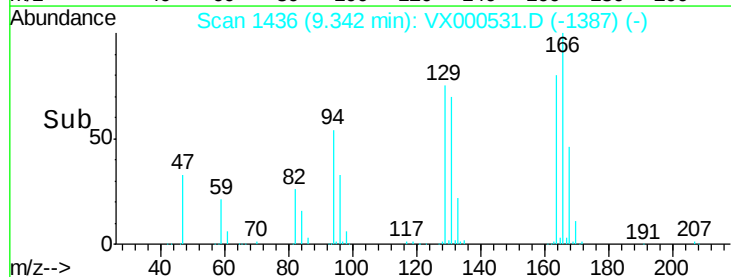
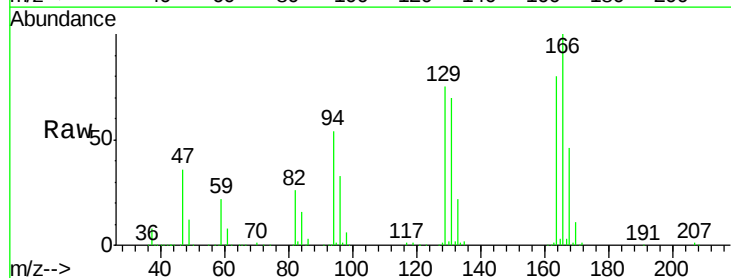
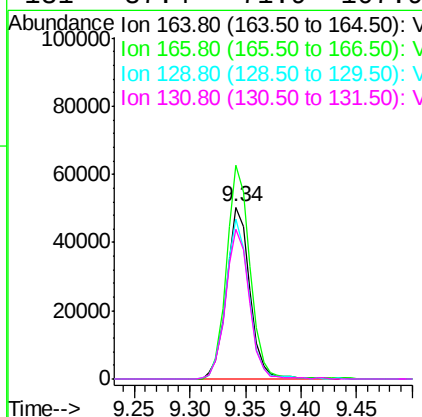
Manual Integrations
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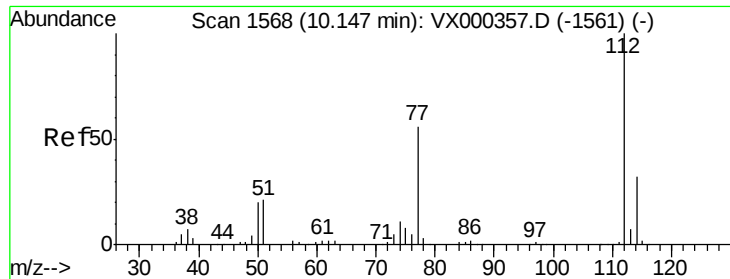
sam
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#64
Tetrachloroethene
Concen: 46.75 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.0	151.6
129	93.3	79.0	118.4
131	87.4	71.9	107.9





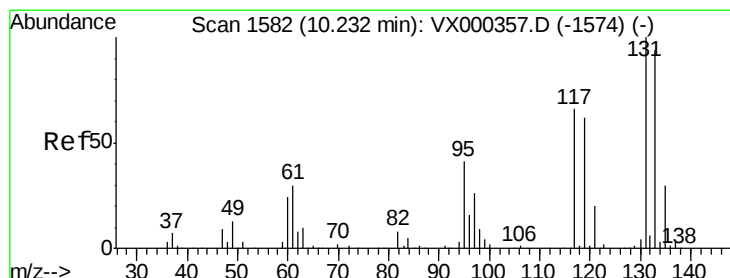
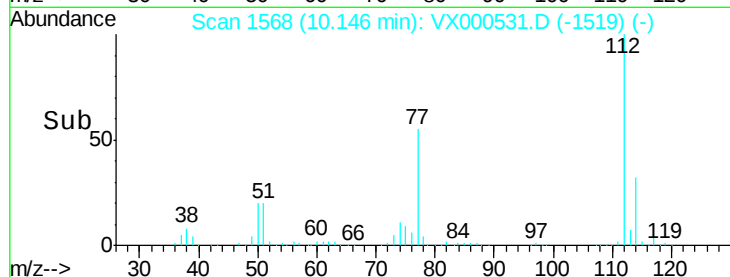
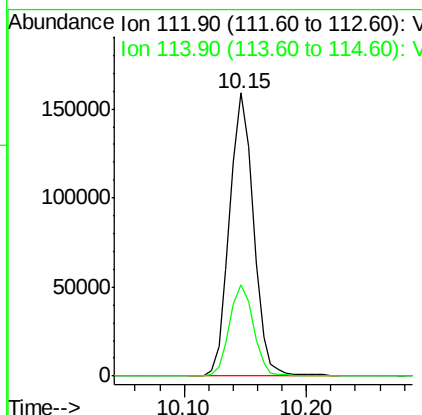
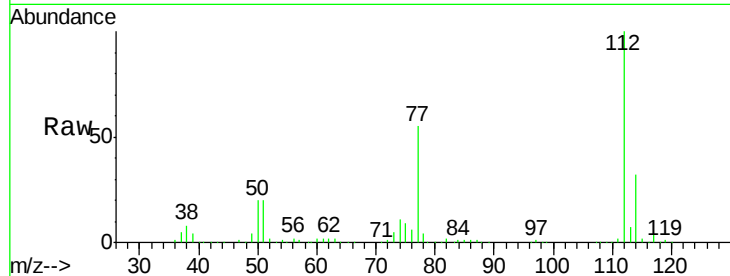
#65
Chlorobenzene
Concen: 48.25 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 216354
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5

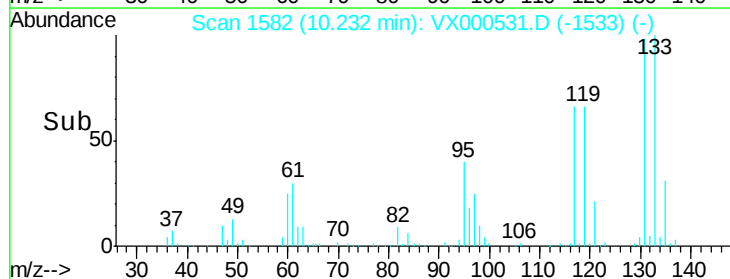
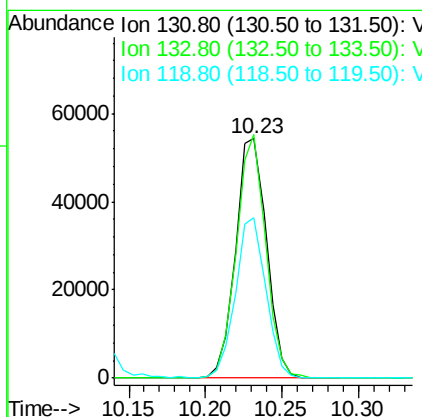
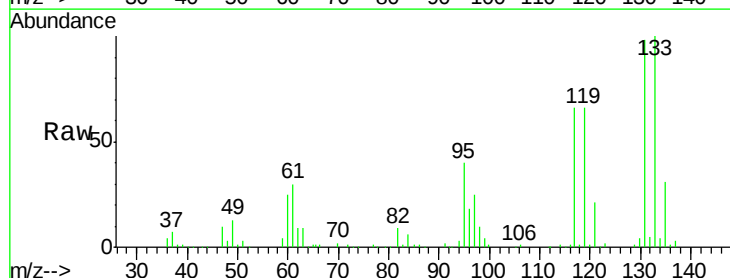
Manual Integrations
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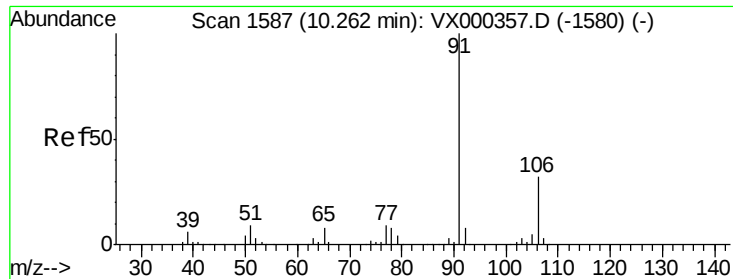
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.32 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion:131 Resp: 76626
Ion Ratio Lower Upper
131 100
133 95.4 47.1 141.3
119 65.6 33.1 99.2





#67

Ethyl Benzene

Concen: 48.52 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 368791

Ion Ratio Lower Upper

91 100

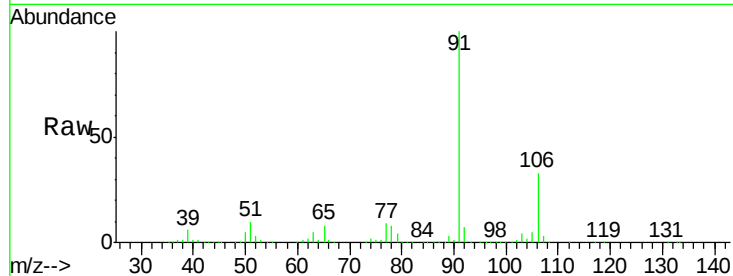
106 33.3 25.0 37.6

Manual Integrations

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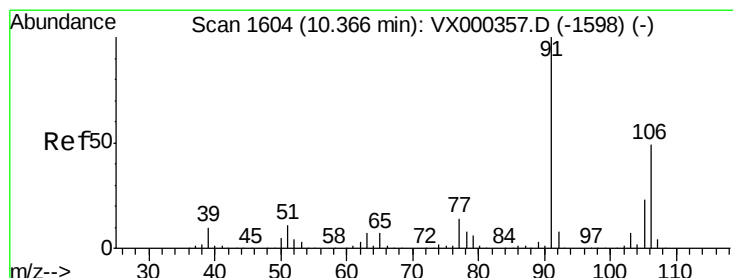
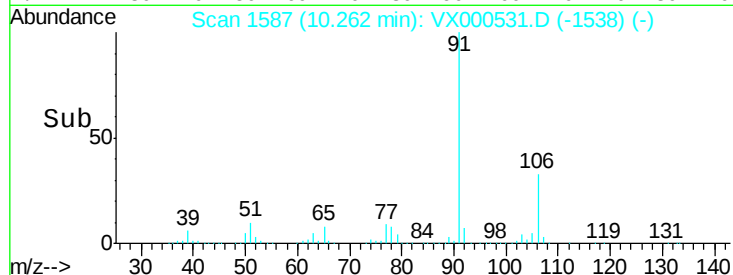
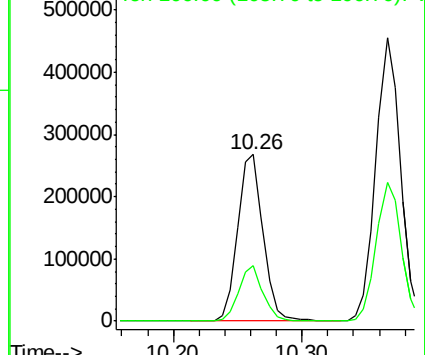
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.20 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000531.D

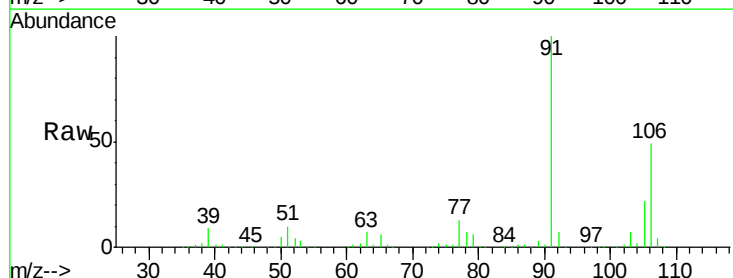
Acq: 29 Mar 2018 23:38

Tgt Ion: 106 Resp: 299682

Ion Ratio Lower Upper

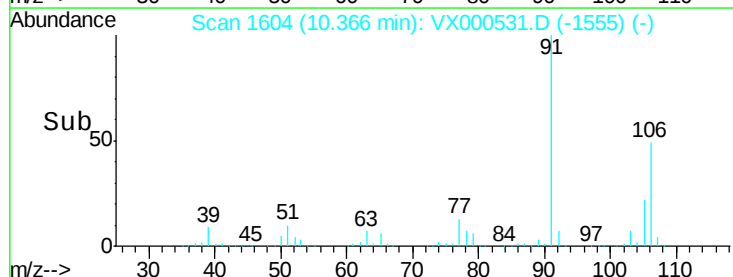
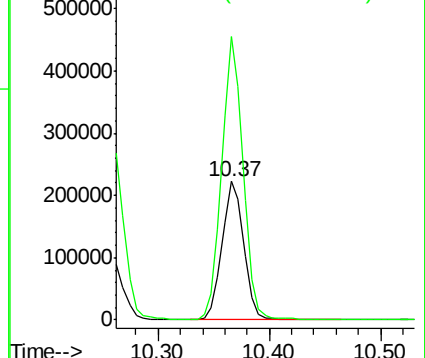
106 100

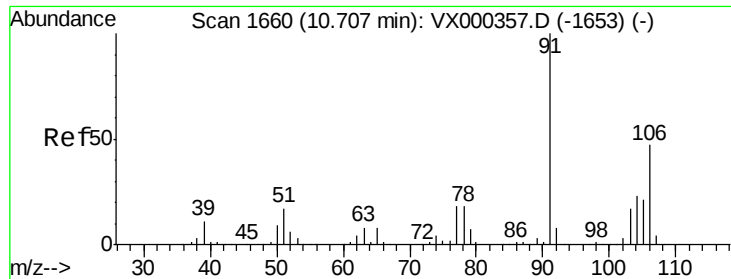
91 202.0 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





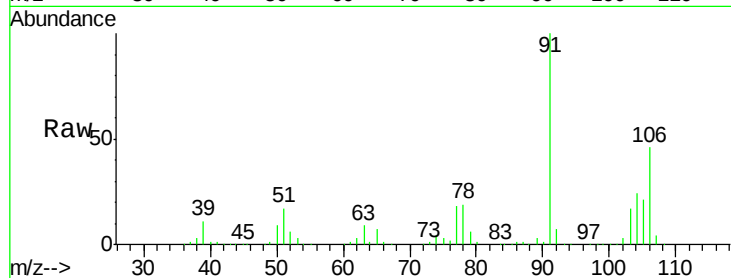
#69
o-Xylene
Concen: 48.97 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

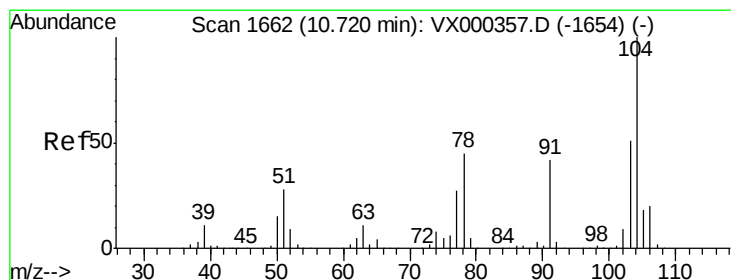
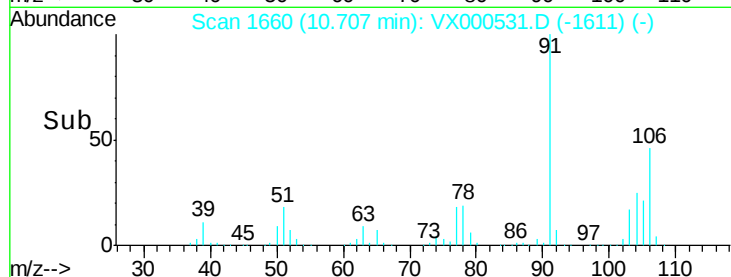
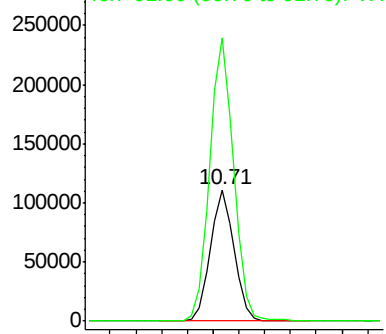
Tot Ion:106 Resp: 141822
Ion Ratio Lower Upper
106 100
91 217.7 106.5 319.6

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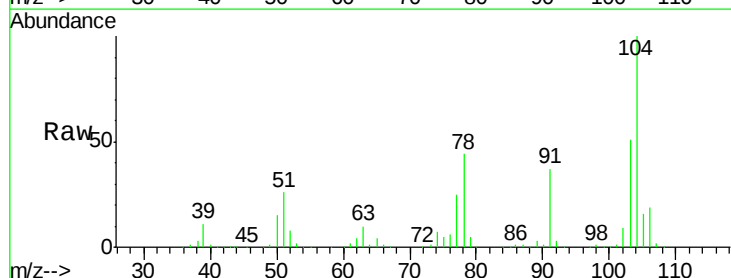


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

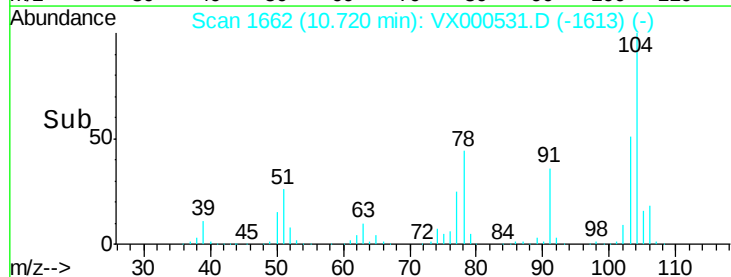
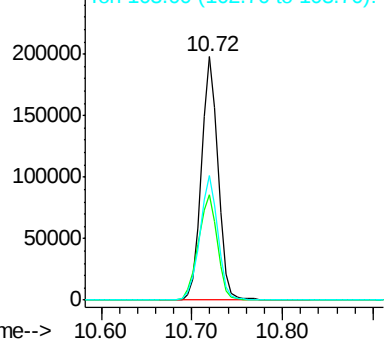


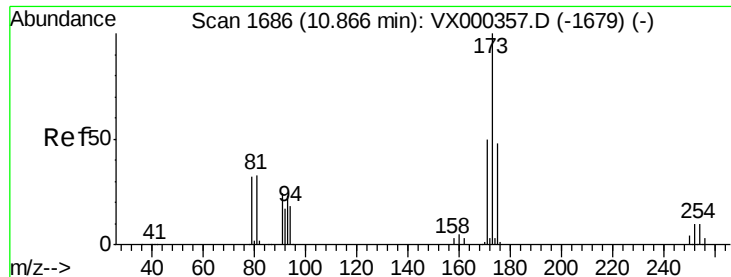
#70
Styrene
Concen: 52.88 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion:104 Resp: 253390
Ion Ratio Lower Upper
104 100
78 49.1 40.5 60.7
103 55.3 45.7 68.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 43.32 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 67628

Ion Ratio Lower Upper

173 100

175 48.1 25.4 76.4

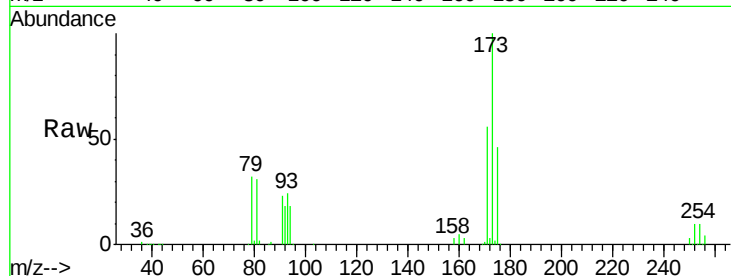
254 0.1 0.0 0.0#

Manual Integrations

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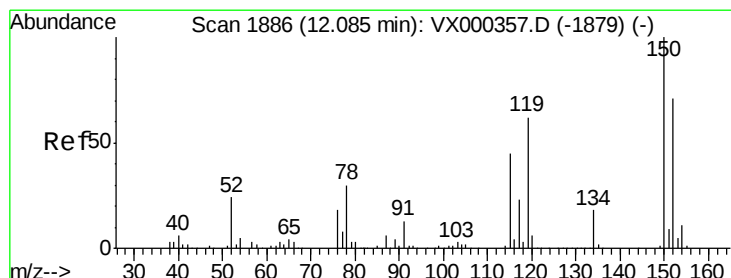
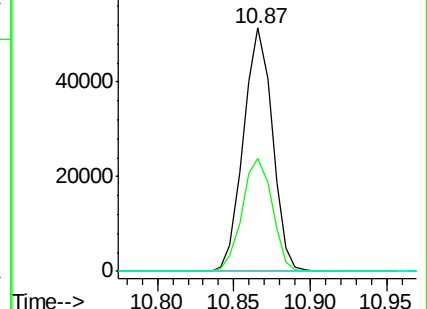
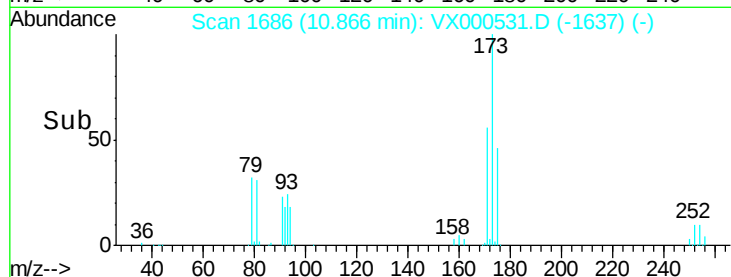
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

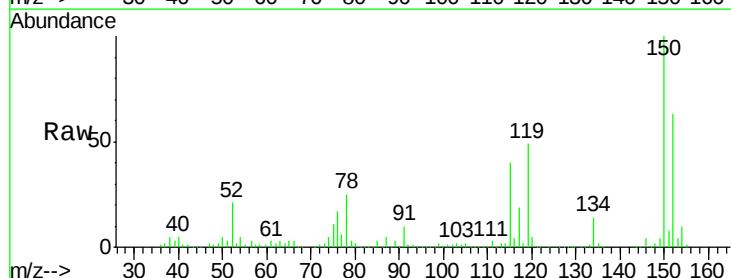
Tgt Ion:152 Resp: 134156

Ion Ratio Lower Upper

152 100

115 80.9 39.8 119.3

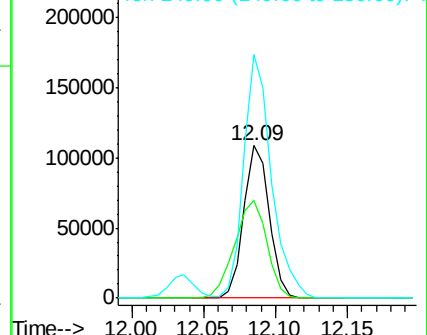
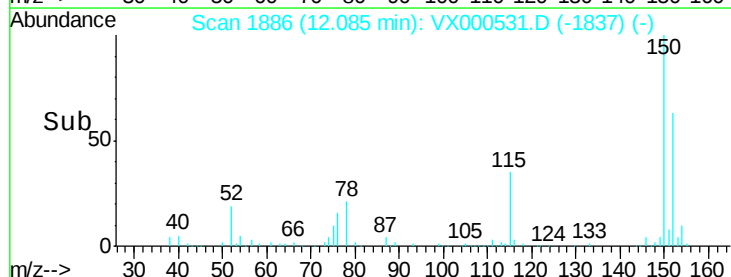
150 173.1 0.0 344.4

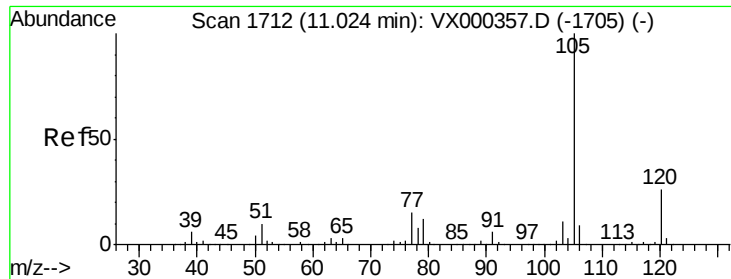


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.42 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 403703

Ion Ratio Lower Upper

105 100

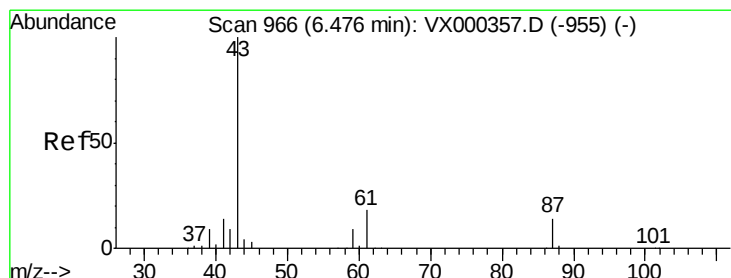
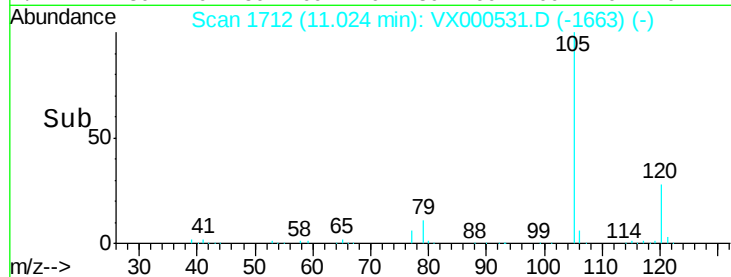
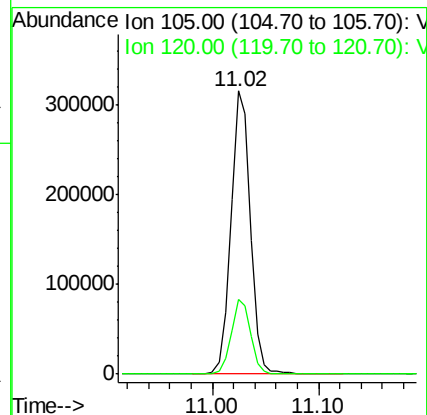
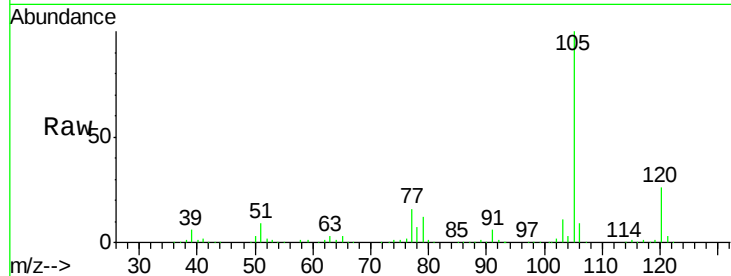
120 26.3 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.08 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Tgt Ion: 43 Resp: 179524

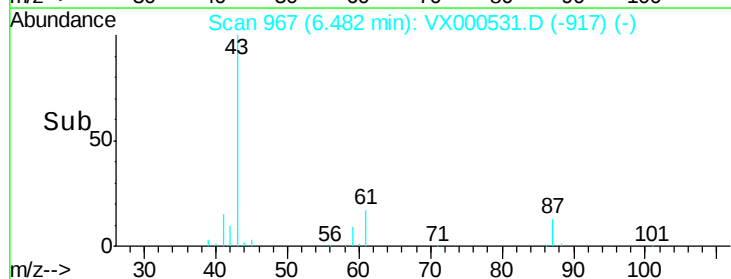
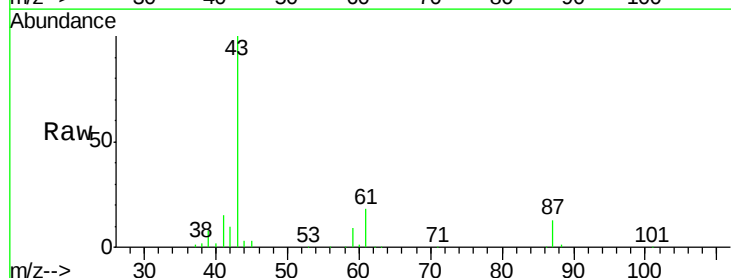
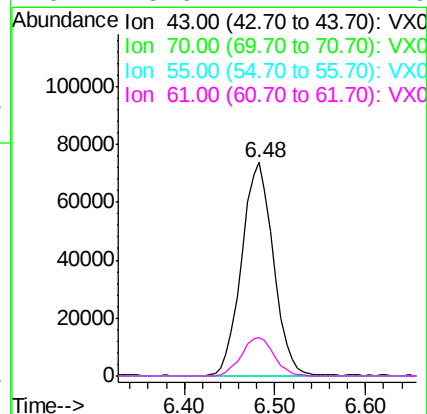
Ion Ratio Lower Upper

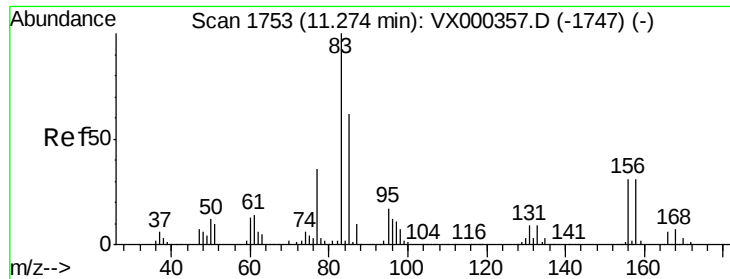
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.6 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.21 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

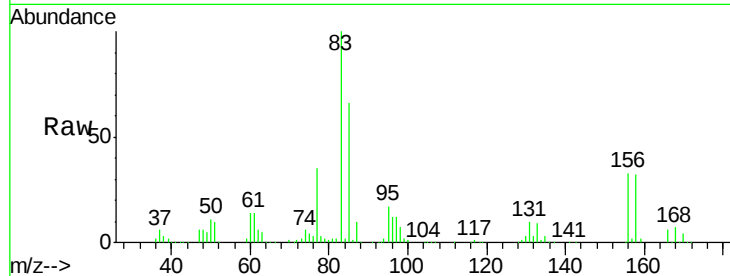
ClientSampleId :

VSTDCCC050

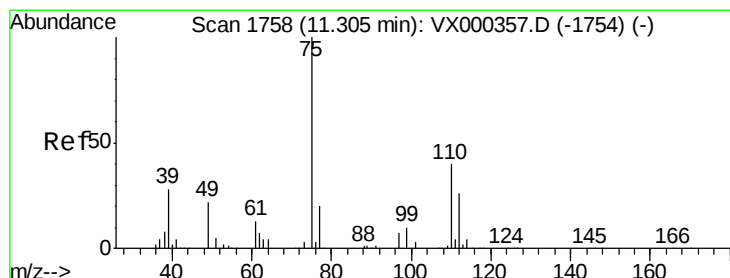
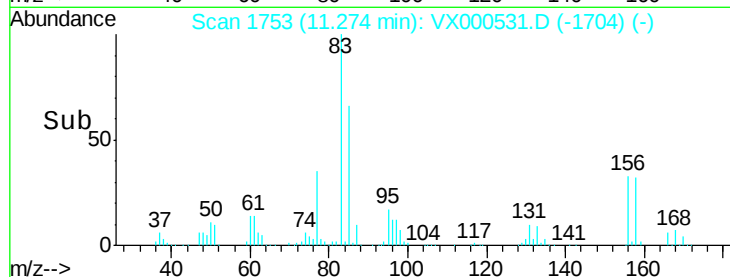
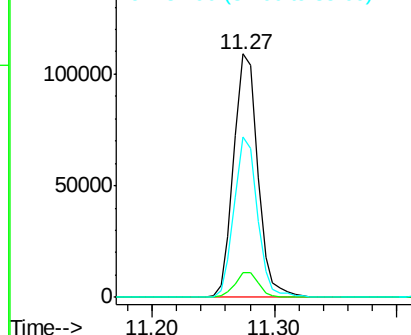
Tot Ion:	83	Resp:	148417
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	14.9
85	64.0	32.5	97.5

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: 45.39 ug/l m

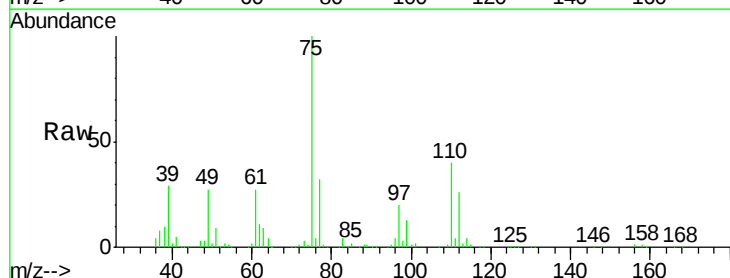
RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

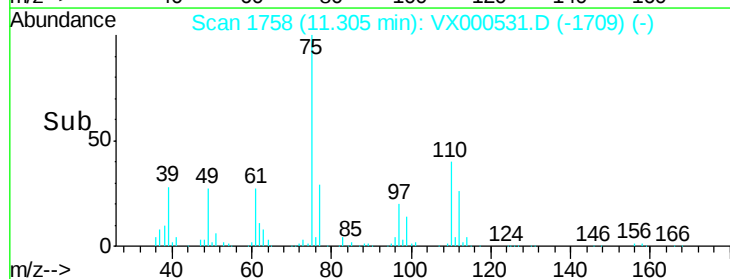
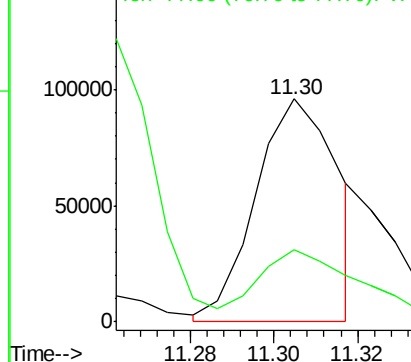
Lab File: VX000531.D

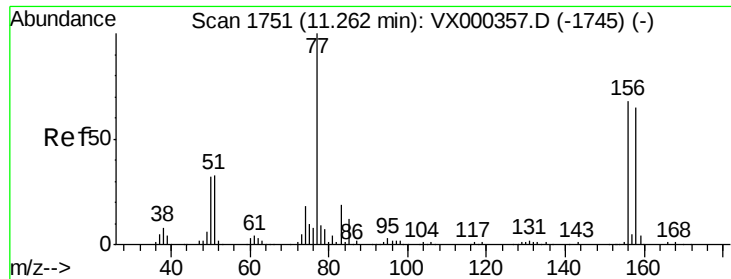
Acq: 29 Mar 2018 23:38

Tgt Ion:	75	Resp:	130874
Ion Ratio	Lower	Upper	
75	100		
77	40.4	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: 43.02 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

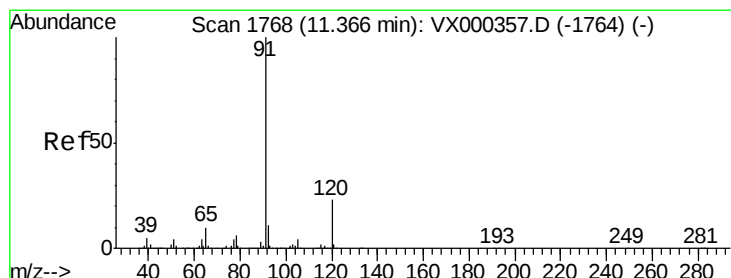
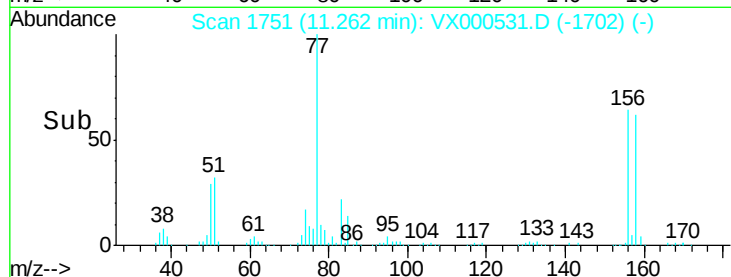
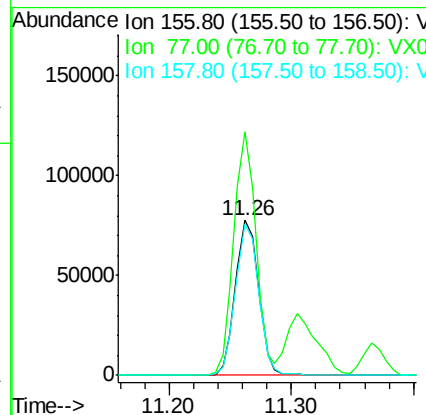
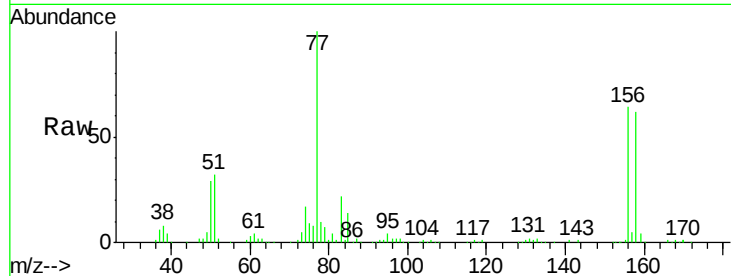
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.6	73.4	220.2
158	97.1	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 45.14 ug/l

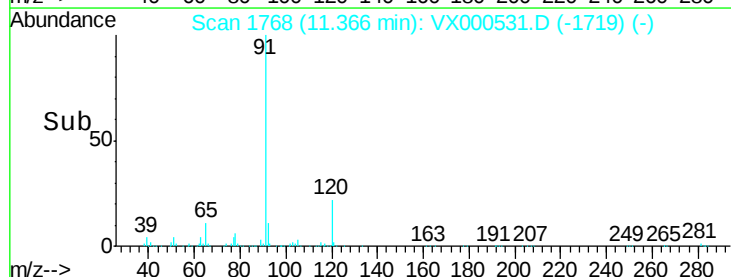
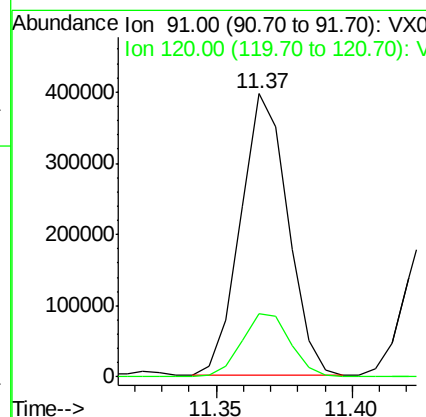
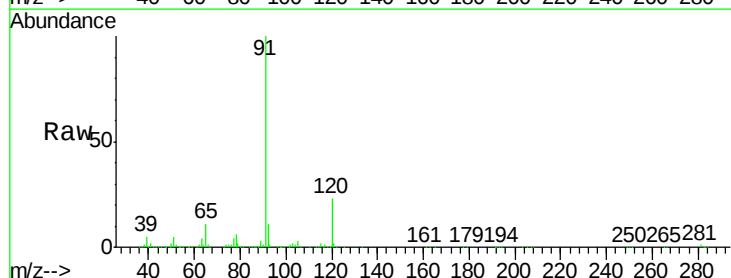
RT: 11.37 min Scan# 1768

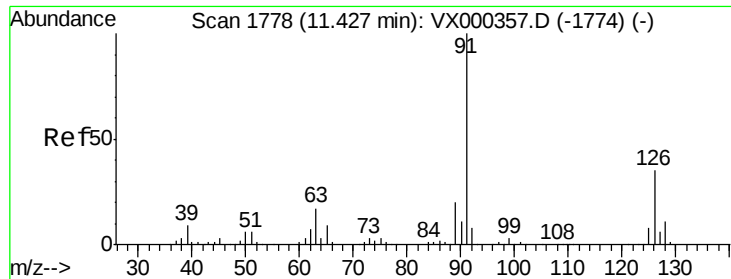
Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.8	35.3





#79

2-Chlorotoluene

Concen: 44.93 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 275112

Ion Ratio Lower Upper

91 100

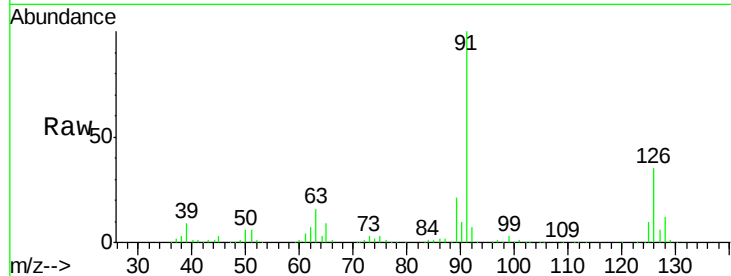
126 35.6 17.7 53.1

Manual Integrations

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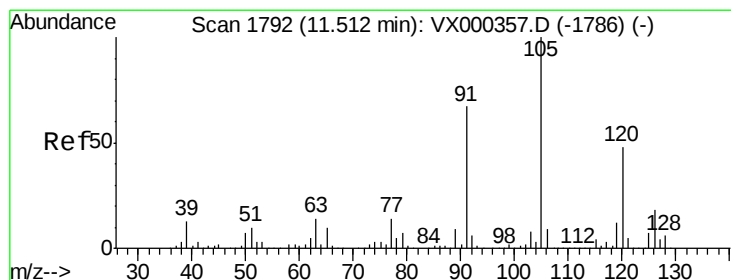
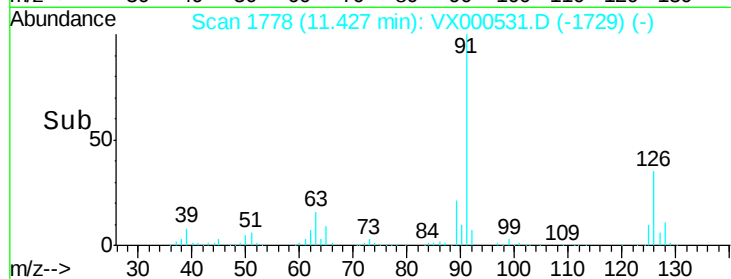
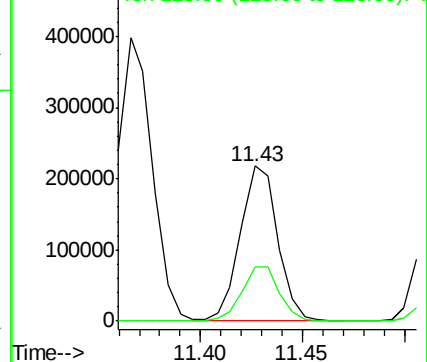
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.57 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000531.D

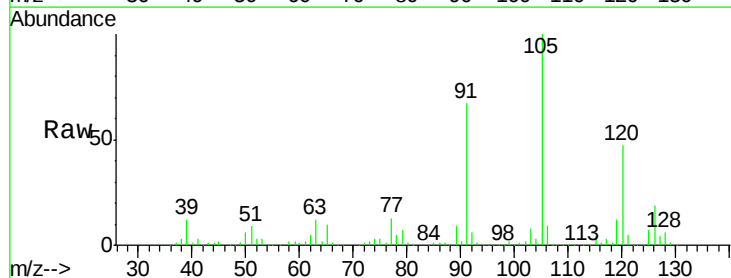
Acq: 29 Mar 2018 23:38

Tgt Ion: 105 Resp: 355500

Ion Ratio Lower Upper

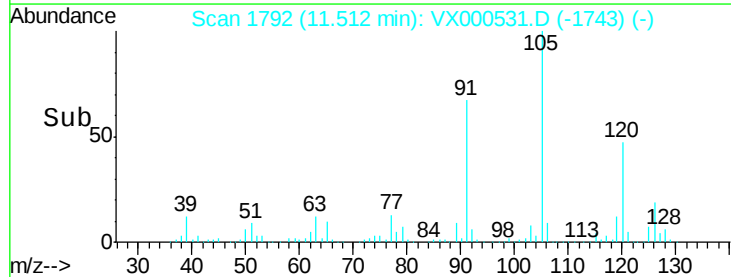
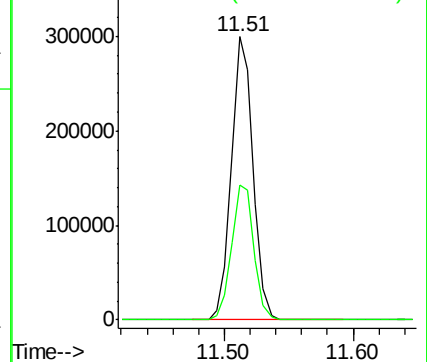
105 100

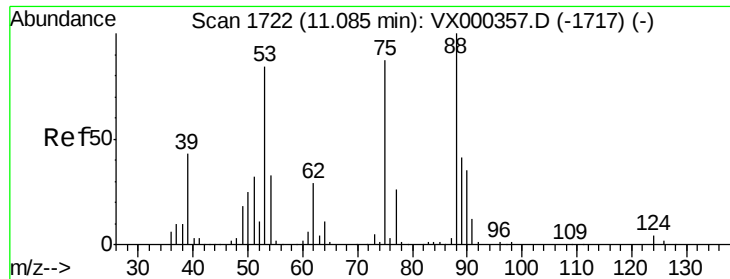
120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





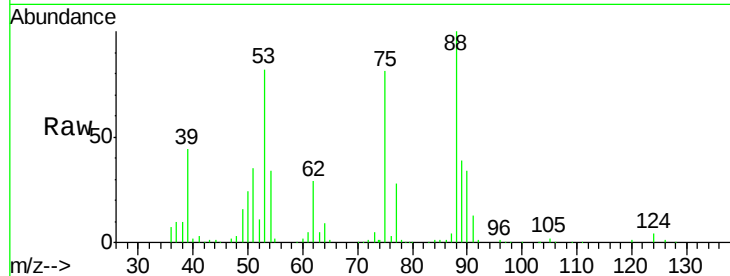
#81
trans-1,4-Dichloro-2-butene
Concen: 44.47 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

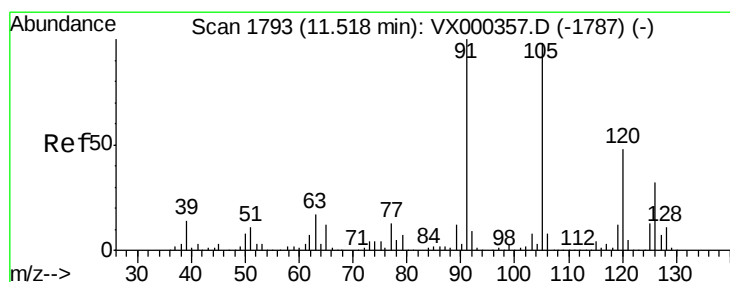
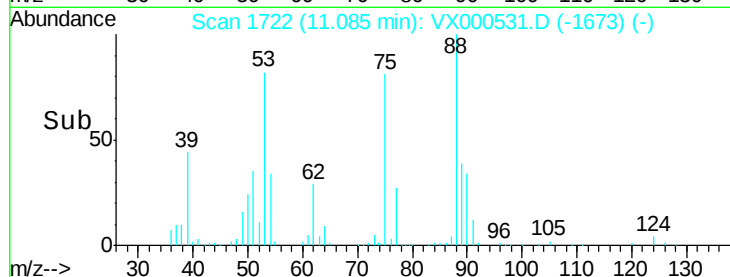
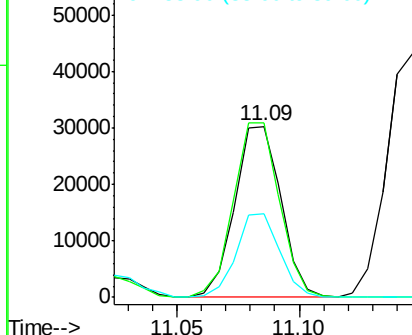
Tot Ion	Ratio	Lower	Upper
75	100		
53	102.4	80.7	121.1
89	46.5	39.4	59.0

Manual Integrations
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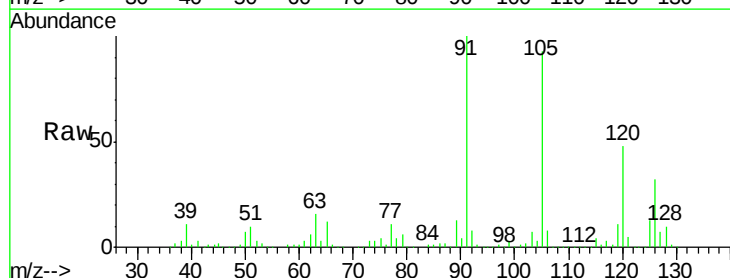


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

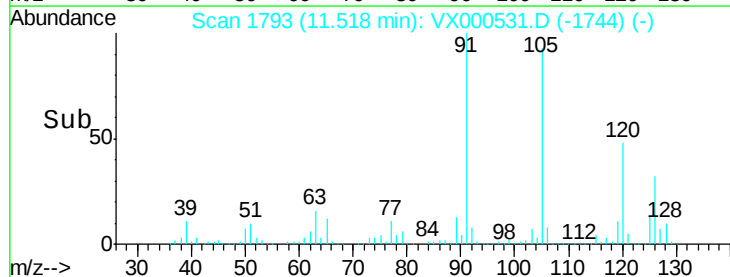
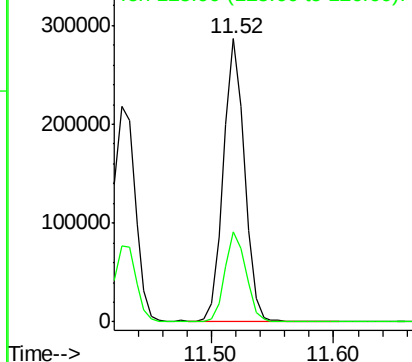


#82
4-Chlorotoluene
Concen: 47.05 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.4	46.1



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





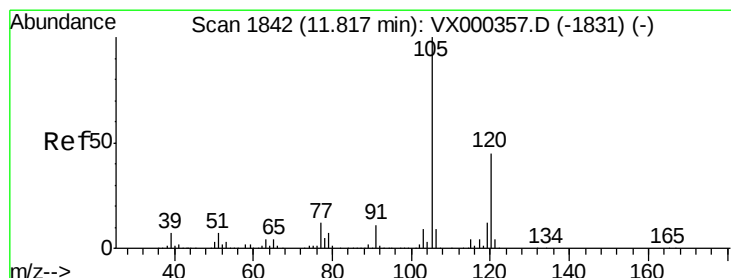
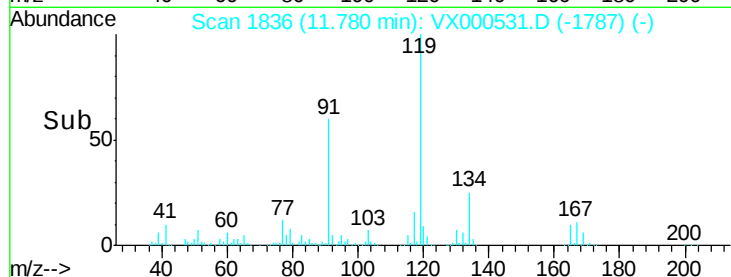
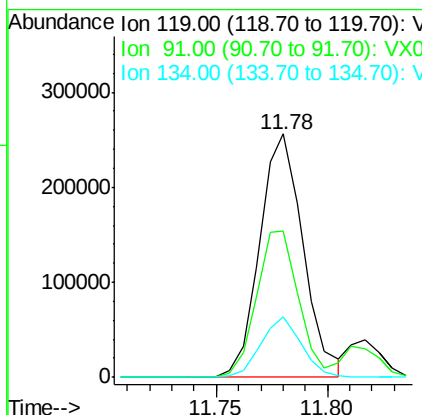
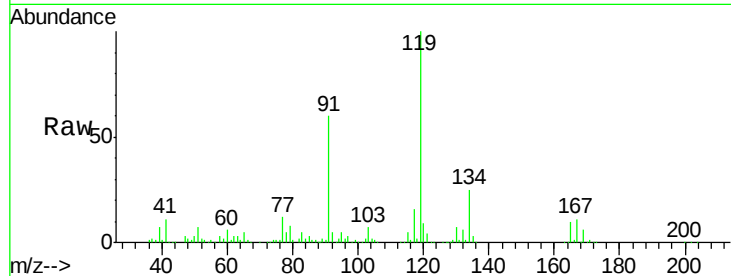
#83
tert-Butylbenzene
Concen: 45.95 ug/l
RT: 11.78 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	58.1	28.8	86.4	
134	23.1	11.4	34.1	

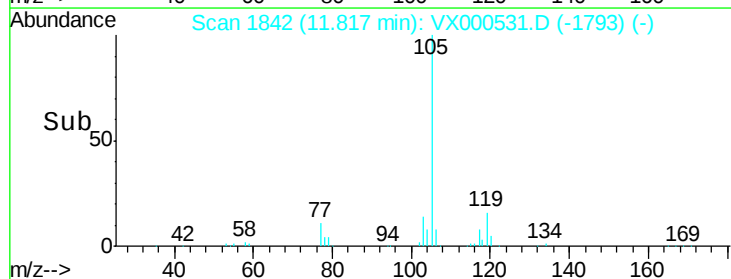
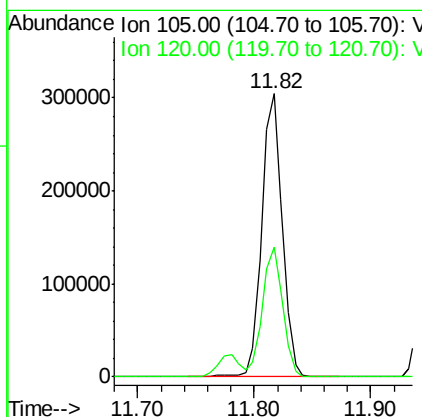
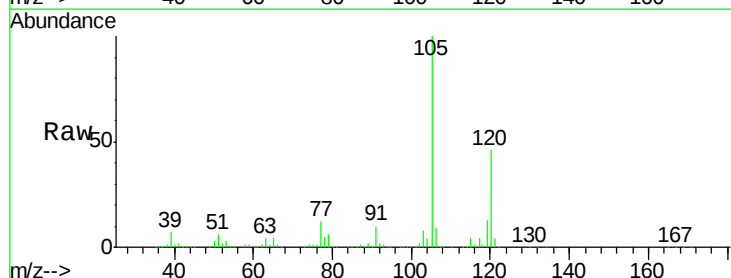
Manual Integrations
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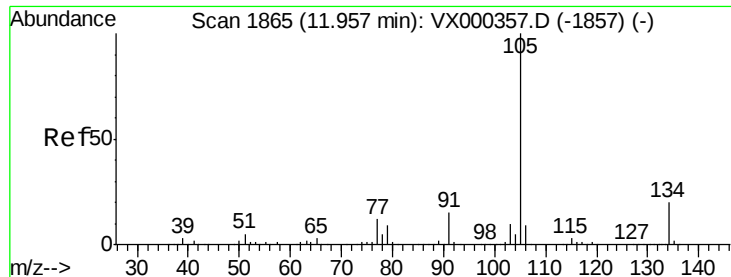
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#84
1,2,4-Trimethylbenzene
Concen: 47.45 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	45.4	22.4	67.3	





#85

sec-Butylbenzene

Concen: 47.61 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 444072

Ion Ratio Lower Upper

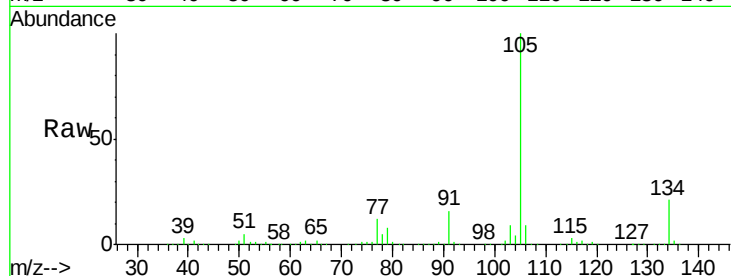
105 100

134 20.3 10.3 30.8

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.96

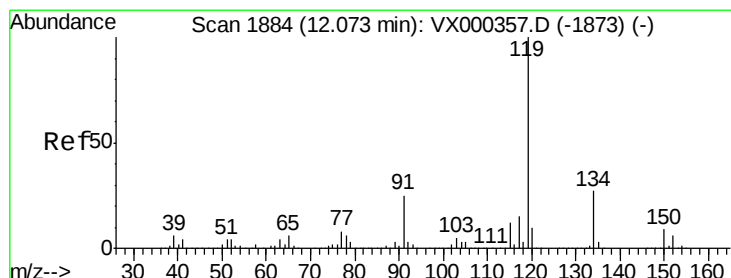
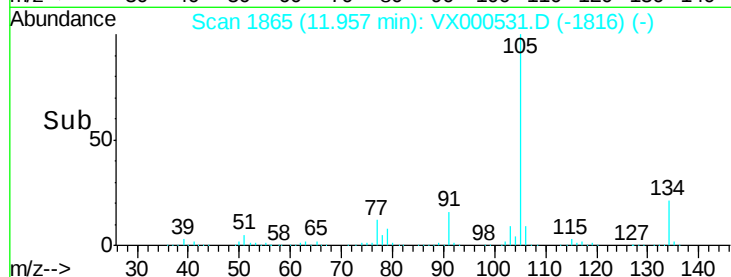
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.68 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

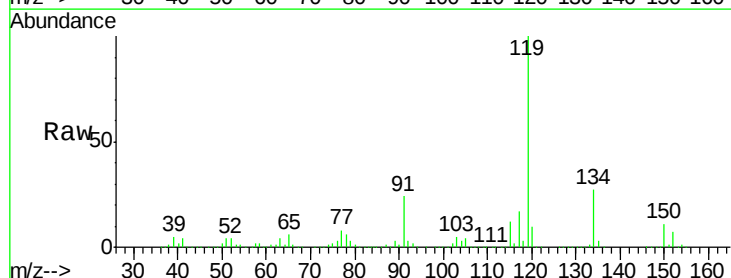
Tgt Ion:119 Resp: 394912

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 24.4 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

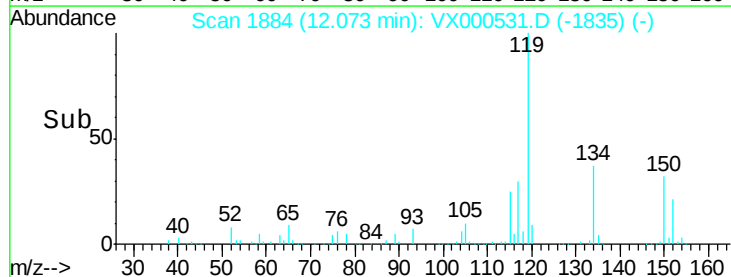
300000

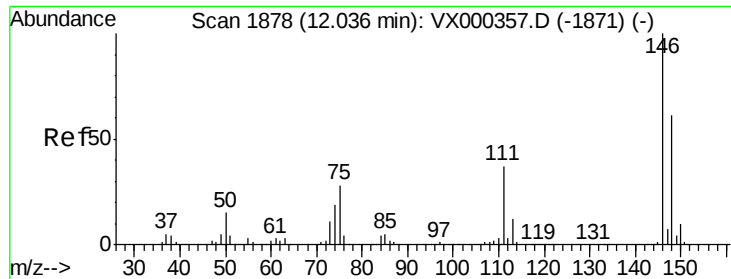
200000

100000

0

Time-->





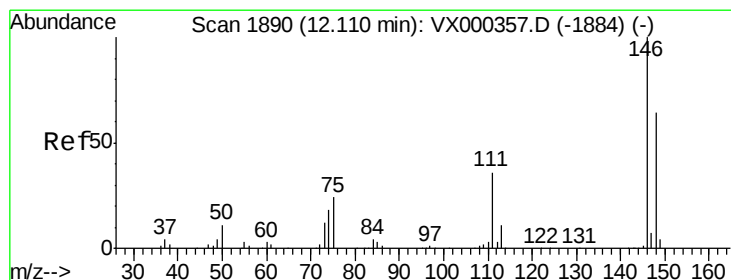
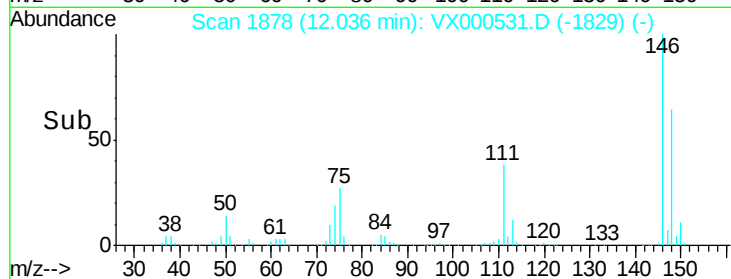
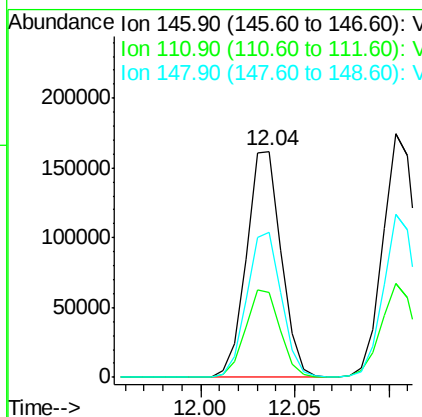
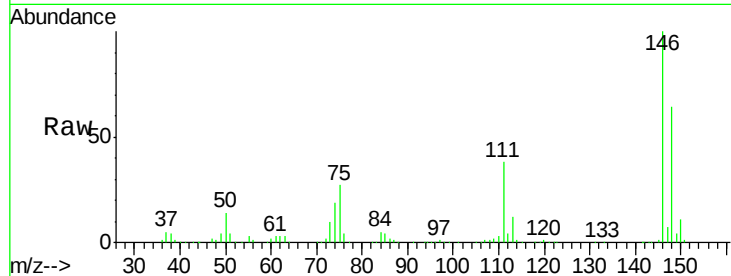
#87
 1,3-Dichlorobenzene
 Concen: 46.42 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	63.9	32.4	97.0

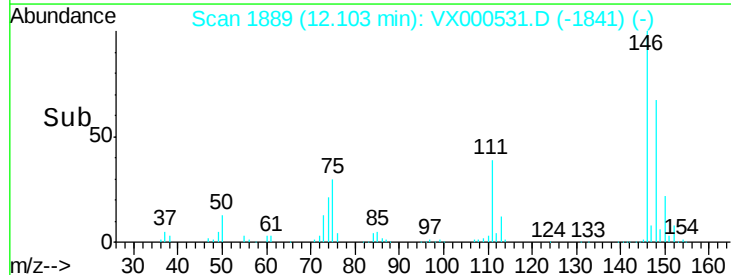
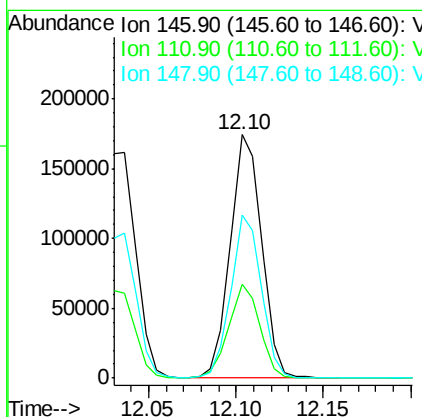
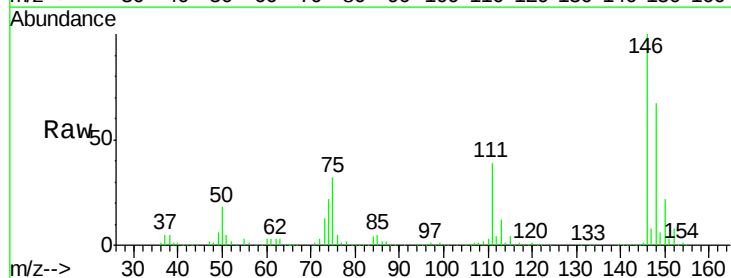
Manual Integrations
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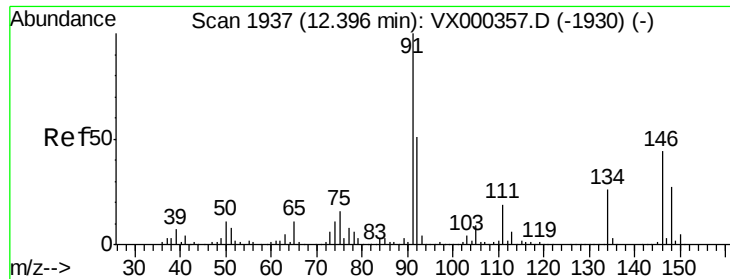
sam
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#88
 1,4-Dichlorobenzene
 Concen: 46.42 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	65.3	31.0	93.0





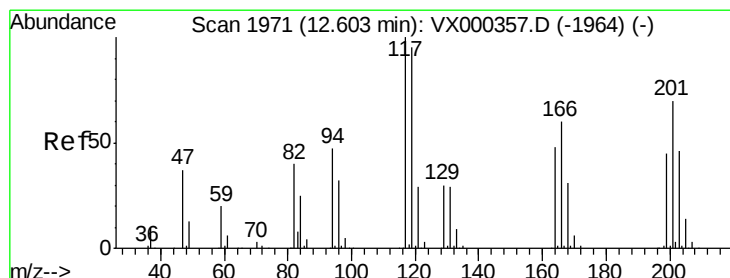
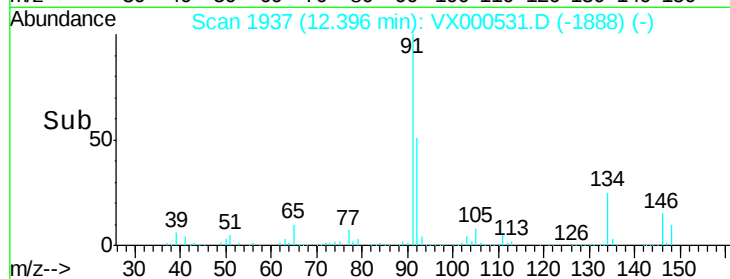
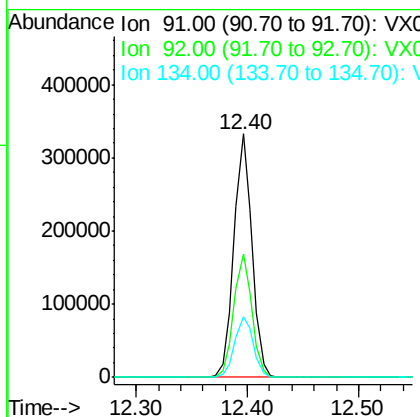
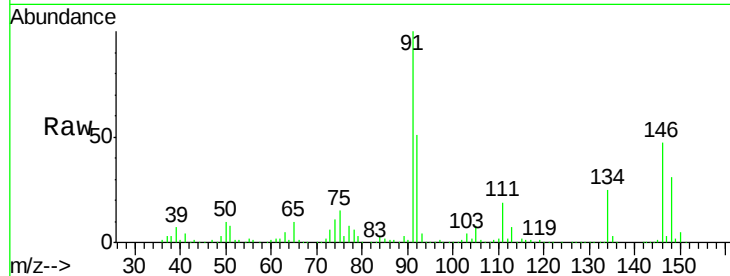
#89
n-Butylbenzene
Concen: 48.04 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.8
134	25.7	13.1	39.3

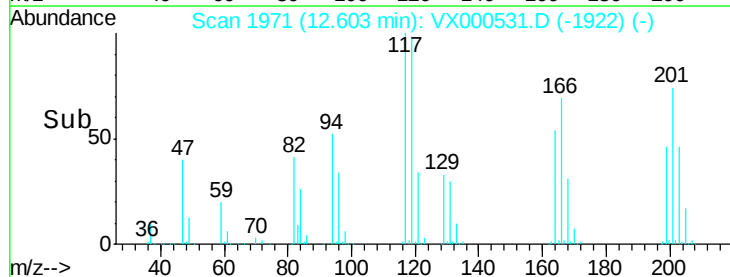
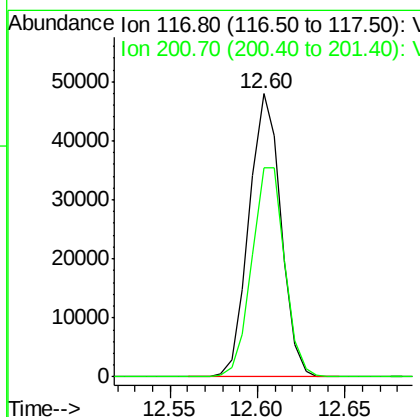
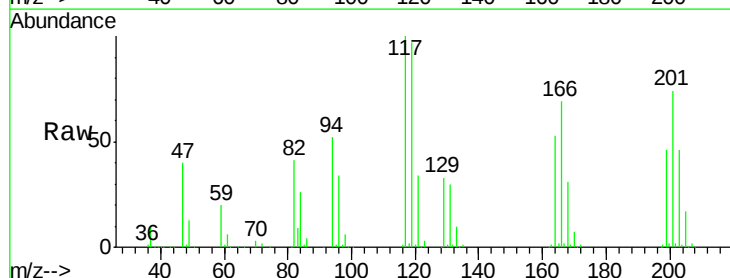
Manual Integrations
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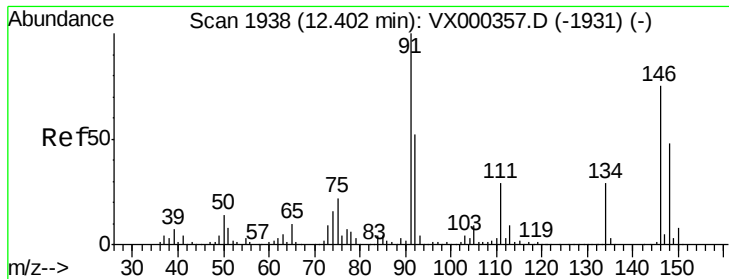
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#90
Hexachloroethane
Concen: 47.00 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000531.D
Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	37.9	113.6





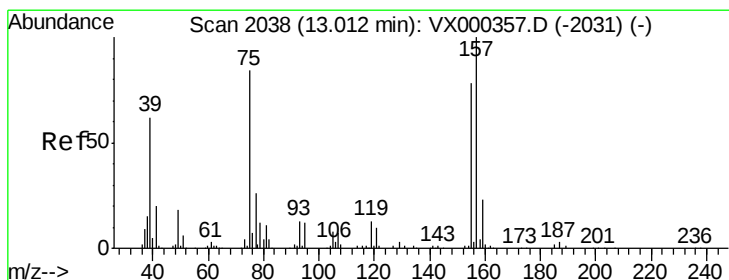
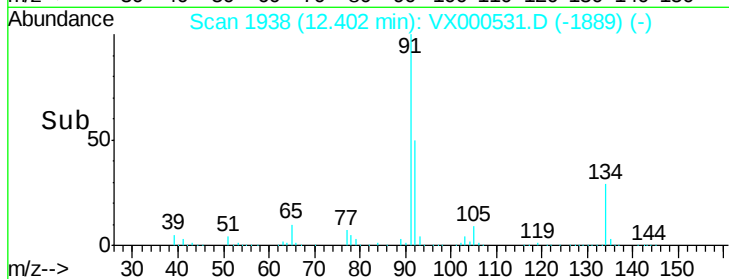
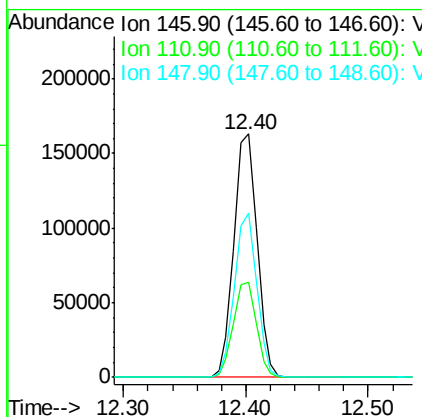
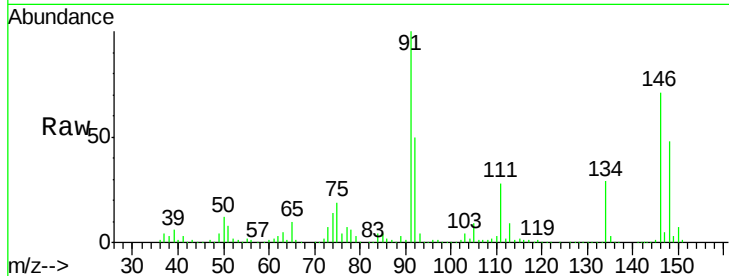
#91
 1,2-Dichlorobenzene
 Concen: 48.60 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.1	60.2
148	64.8	31.2	93.6

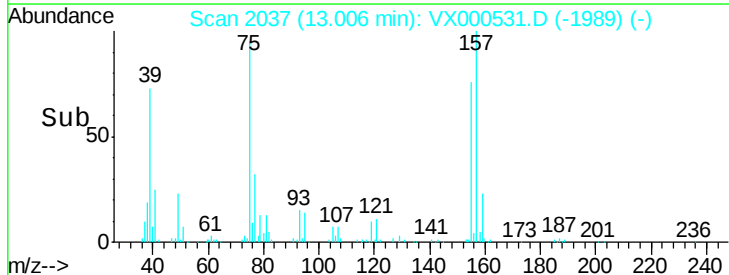
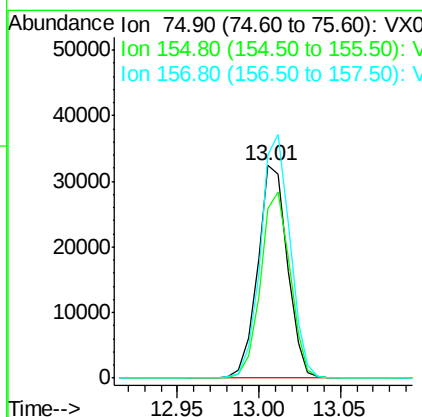
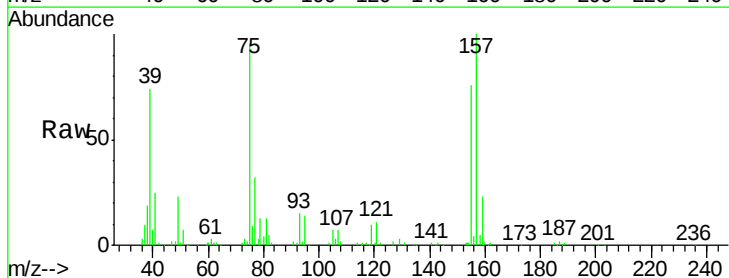
Manual Integrations
 APPROVED

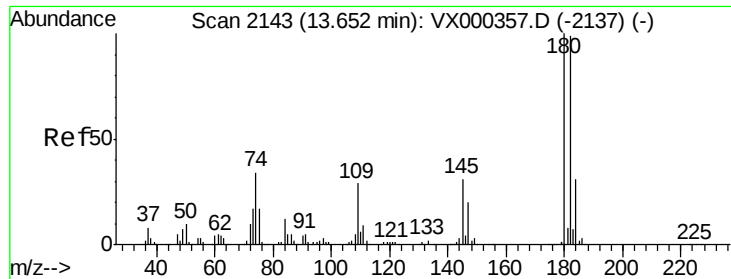
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.75 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	45.0	134.8
157	113.3	58.1	174.2





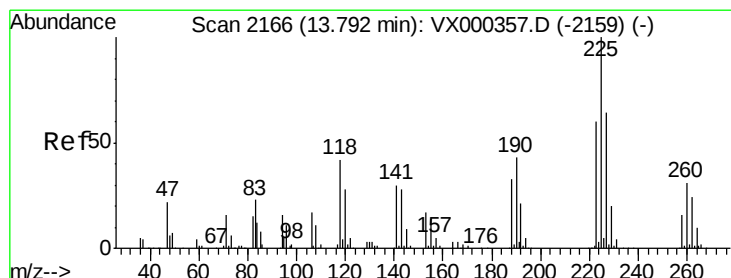
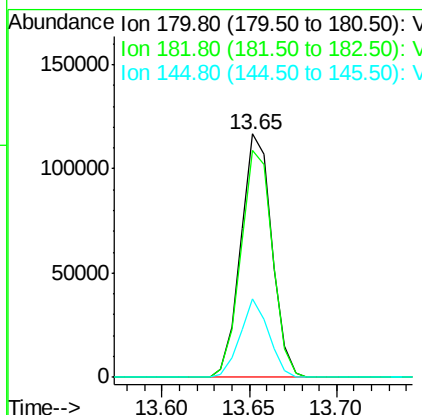
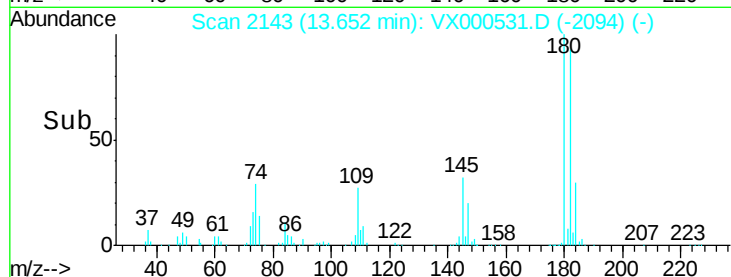
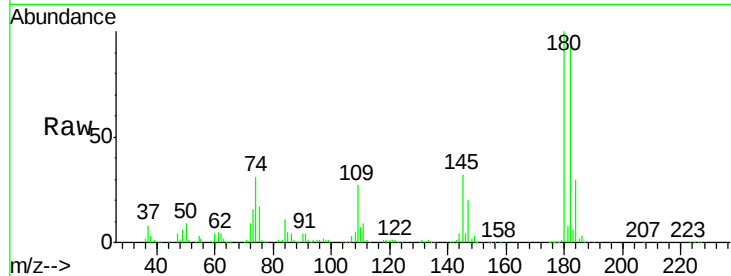
#93
 1,2,4-Trichlorobenzene
 Concen: 45.76 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.6	142.9
145	29.6	15.1	45.3

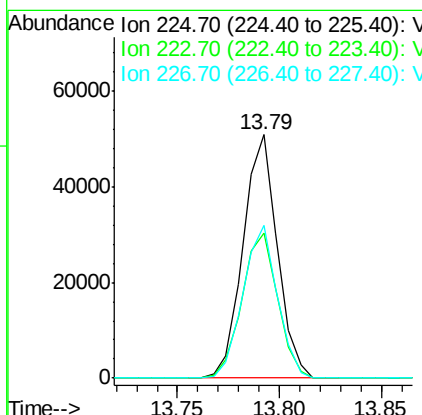
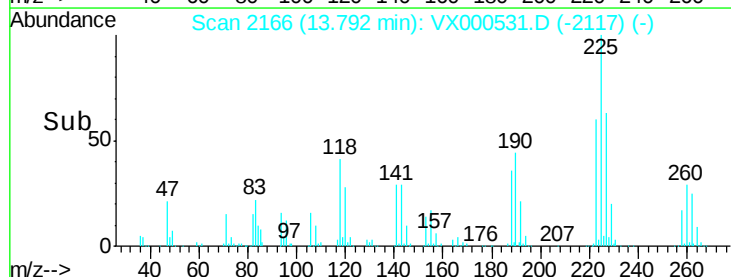
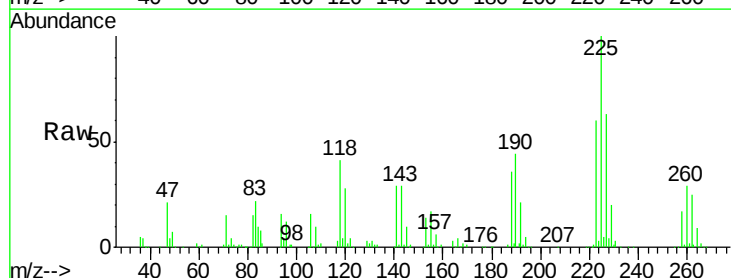
Manual Integrations
 APPROVED

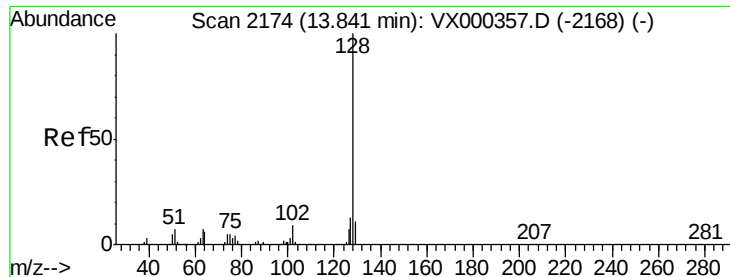
sam
 3/30/2018 4:11:09 PM



#94
 Hexachlorobutadiene
 Concen: 45.48 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000531.D
 Acq: 29 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	32.0	96.0
227	63.2	32.6	98.0





#95

Naphthalene

Concen: 49.00 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Instrument :

MSVOA_X

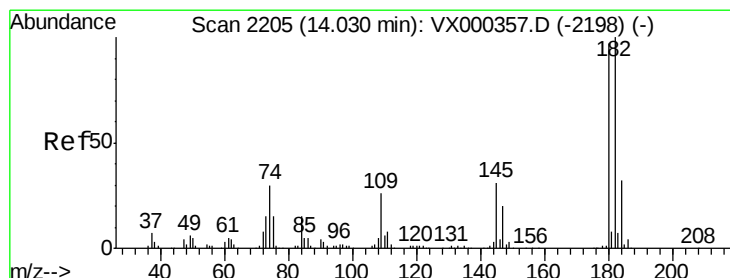
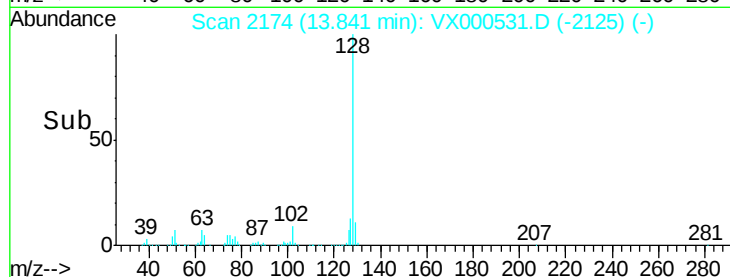
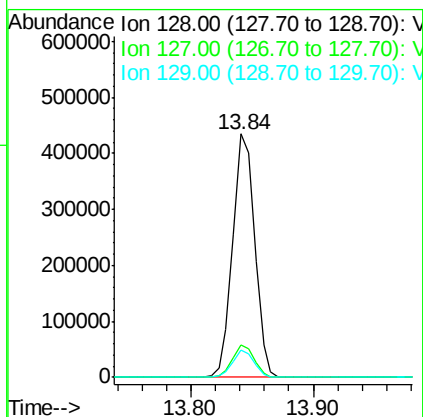
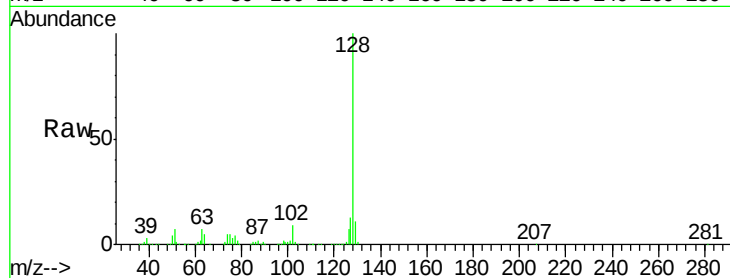
ClientSampled :

VSTDCCC050

Tot Ion:	128	Resp:	537153
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

sam
3/30/2018 4:11:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.63 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000531.D

Acq: 29 Mar 2018 23:38

Tgt Ion:	180	Resp:	148091
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.4	142.3
145	31.9	15.8	47.3

