

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073118\
 Data File : VX003744.D
 Acq On : 31 Jul 2018 11:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 8/1/2018 5:37:33 PM

Quant Time: Jul 31 13:35:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	116081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	151455	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	146547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	79934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	59578	50.75	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	5.49	113	53415	59.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	119.80%	
50) Toluene-d8	8.71	98	181056	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
62) 4-Bromofluorobenzene	11.14	95	67393	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	48820	49.83	ug/l	94
3) Chloromethane	1.32	50	63842	51.84	ug/l	95
4) Vinyl Chloride	1.40	62	70265	53.04	ug/l	90
5) Bromomethane	1.64	94	42590	59.32	ug/l	97
6) Chloroethane	1.71	64	43084	49.18	ug/l	98
7) Trichlorofluoromethane	1.93	101	90721	52.22	ug/l	95
8) Diethyl Ether	2.18	74	32078	48.86	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	55701	50.55	ug/l	95
10) Methyl Iodide	2.51	142	63739	50.31	ug/l	98
11) Tert butyl alcohol	3.06	59	53461	281.22	ug/l	97
12) 1,1-Dichloroethene	2.37	96	52812	50.90	ug/l	97
13) Acrolein	2.29	56	10274	165.19	ug/l	94
14) Allyl chloride	2.72	41	99489	54.09	ug/l	97
15) Acrylonitrile	3.14	53	134937	279.11	ug/l	96
16) Acetone	2.44	43	126660	282.45	ug/l	96
17) Carbon Disulfide	2.56	76	172565	51.12	ug/l	98
18) Methyl Acetate	2.78	43	64831	51.45	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	153143	54.23	ug/l	95
20) Methylene Chloride	2.85	84	59573	50.47	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	61856	54.41	ug/l	92
22) Diisopropyl ether	3.86	45	176627	53.20	ug/l	95
23) Vinyl Acetate	3.81	43	633853	264.69	ug/l	99
24) 1,1-Dichloroethane	3.70	63	103394	53.40	ug/l	96
25) 2-Butanone	4.68	43	164269	251.28	ug/l	98
26) 2,2-Dichloropropane	4.57	77	83799	54.95	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	62220	50.78	ug/l	95
28) Bromochloromethane	5.01	49	43574	50.17	ug/l	92
29) Tetrahydrofuran	5.15	42	98747	237.03	ug/l	100
30) Chloroform	5.21	83	99103	51.94	ug/l	97
31) Cyclohexane	5.57	56	97005	51.86	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	86999	53.05	ug/l	98
36) 1,1-Dichloropropene	5.79	75	80330	56.64	ug/l	99
37) Ethyl Acetate	4.85	43	60141	55.20	ug/l	99
38) Carbon Tetrachloride	5.78	117	77105	58.77	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	90314	51.86	ug/l	96
40) Benzene	6.14	78	226374	55.69	ug/l	97
41) Methacrylonitrile	5.04	41	35473	57.76	ug/l	97
42) 1,2-Dichloroethane	6.20	62	70277	57.25	ug/l	97
43) Isopropyl Acetate	6.45	43	89424	51.51	ug/l	99
44) Trichloroethene	7.21	130	56023	48.32	ug/l	99
45) 1,2-Dichloropropane	7.52	63	53245	53.27	ug/l	96
46) Dibromomethane	7.66	93	28806	50.01	ug/l	95
47) Bromodichloromethane	7.90	83	60911	53.06	ug/l	99
48) Methyl methacrylate	7.77	41	44233	50.80	ug/l	94
49) 1,4-Dioxane	7.75	88	15347	873.24	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	262067	245.64	ug/l	98
52) Toluene	8.78	92	129490	51.07	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	67399	51.41	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	78486	53.71	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	41800	47.90	ug/l	97
56) Ethyl methacrylate	9.18	69	60429	50.42	ug/l	94
57) 1,3-Dichloropropane	9.37	76	72178	49.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	159943	250.04	ug/l	97
59) 2-Hexanone	9.49	43	206046	253.52	ug/l	97
60) Dibromochloromethane	9.59	129	45190	51.42	ug/l	98
61) 1,2-Dibromoethane	9.67	107	46980	52.73	ug/l	98
64) Tetrachloroethene	9.34	164	50644	43.97	ug/l	99
65) Chlorobenzene	10.14	112	150473	49.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	49360	49.43	ug/l	100
67) Ethyl Benzene	10.25	91	255402	49.39	ug/l	98
68) m/p-Xylenes	10.36	106	196526	97.16	ug/l	98
69) o-Xylene	10.70	106	91033	48.47	ug/l	97
70) Styrene	10.71	104	155380	49.17	ug/l	99
71) Bromoform	10.86	173	32273	47.00	ug/l #	98
73) Isopropylbenzene	11.02	105	248856	49.73	ug/l	98
74) N-amyl acetate	6.45	43	89424	50.42	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	65548	50.38	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	58260m	52.88	ug/l	
77) Bromobenzene	11.26	156	68072	52.18	ug/l	99
78) n-propylbenzene	11.36	91	321213	52.98	ug/l	99
79) 2-Chlorotoluene	11.42	91	178194	51.77	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	219120	51.30	ug/l #	69
81) trans-1,4-Dichloro-2-buten	11.08	75	19166	51.53	ug/l	96
82) 4-Chlorotoluene	11.51	91	211533	50.67	ug/l	99
83) tert-Butylbenzene	11.77	119	205438	48.63	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	215298	48.97	ug/l	98
85) sec-Butylbenzene	11.94	105	264516	48.94	ug/l	99
86) p-Isopropyltoluene	12.07	119	236546	48.15	ug/l #	71
87) 1,3-Dichlorobenzene	12.03	146	123202	46.68	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	124985	46.42	ug/l	99
89) n-Butylbenzene	12.39	91	244129	52.22	ug/l	99
90) Hexachloroethane	12.60	117	36228	49.67	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	122096	49.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12608	48.84	ug/l	92

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ClientSampleId :
VSTDCCC050

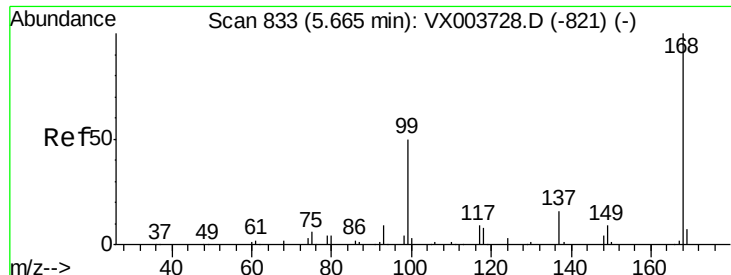
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	93124	47.77	ug/l	99
94) Hexachlorobutadiene	13.79	225	55067	44.17	ug/l	99
95) Naphthalene	13.83	128	215740	51.78	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	84759	47.89	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Tot Ion: 168 Resp: 116081

Ion Ratio Lower Upper

168 100

99 48.1 40.2 60.2

Instrument :

MSVOA_X

ClientSampleId :

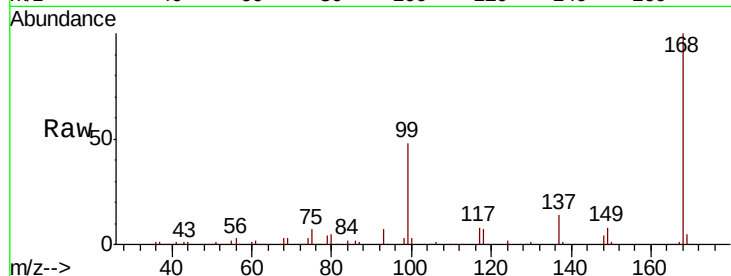
VSTDCCC050

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

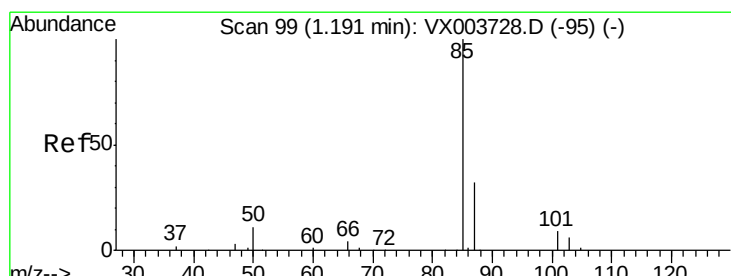
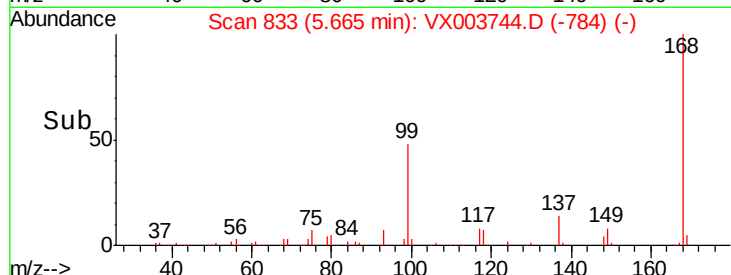
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10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.83 ug/l

RT: 1.19 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX003744.D

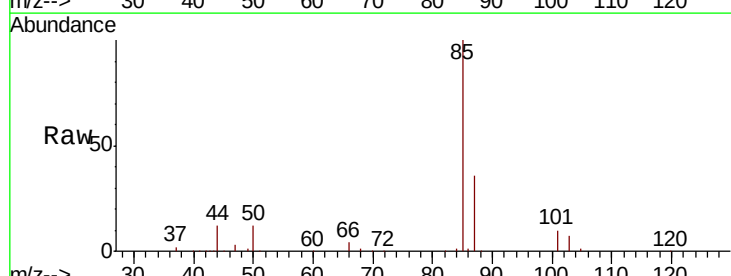
Acq: 31 Jul 2018 11:43

Tgt Ion: 85 Resp: 48820

Ion Ratio Lower Upper

85 100

87 35.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

50000

40000

30000

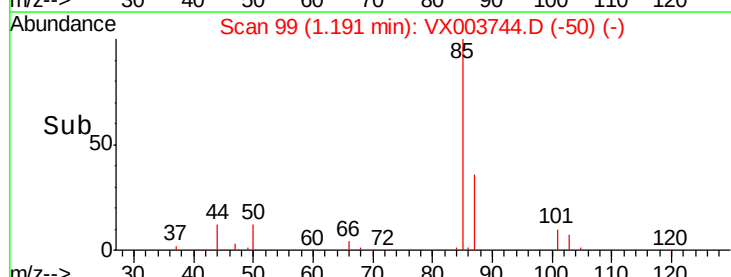
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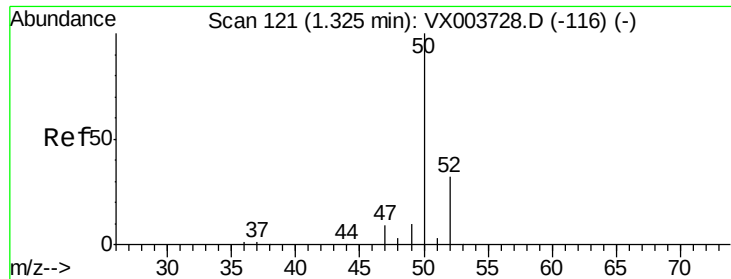
10000

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1.15 1.20 1.25 1.30

Time-->





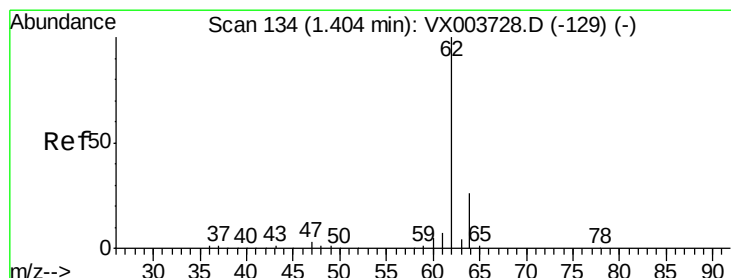
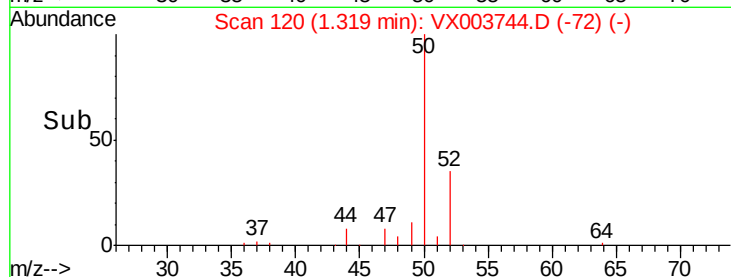
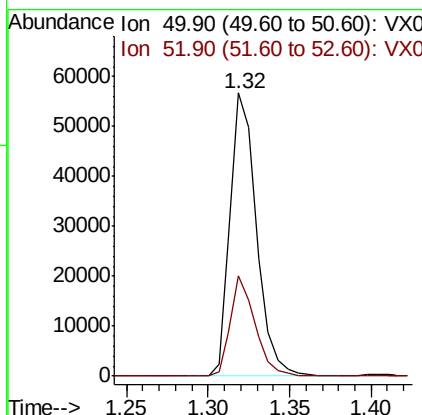
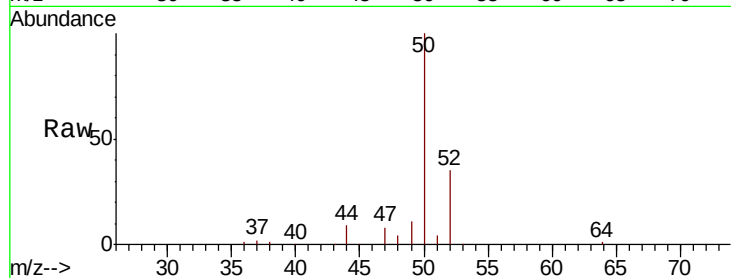
#3
Chloromethane
Concen: 51.84 ug/l
RT: 1.32 min Scan# 120
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 50 Resp: 63842
Ion Ratio Lower Upper
50 100
52 35.4 25.9 38.9

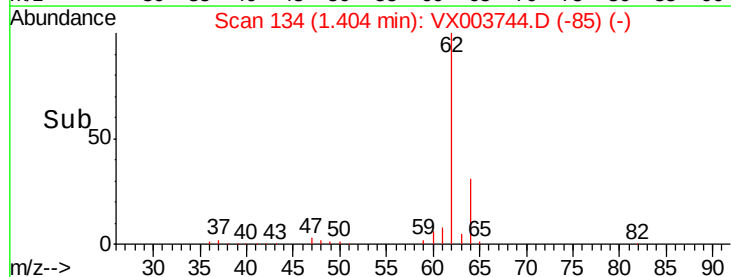
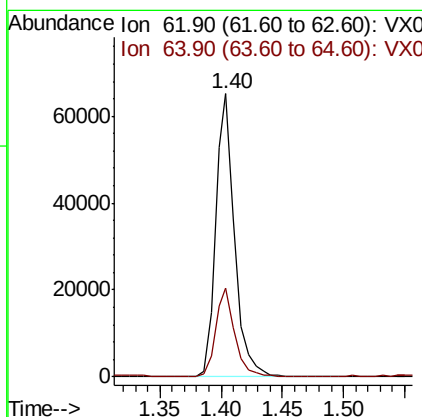
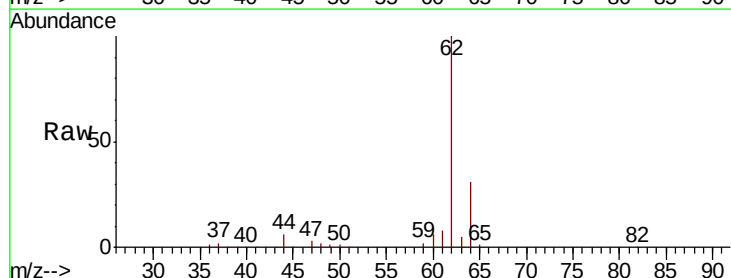
Manual Integrations
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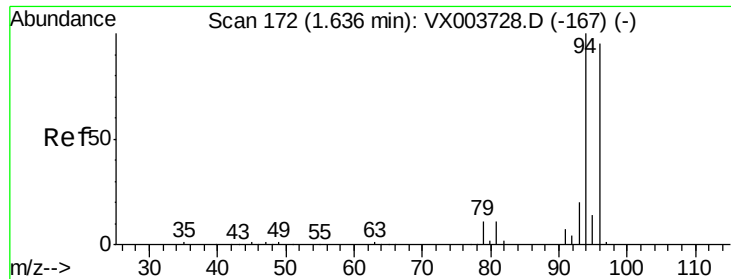
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#4
Vinyl Chloride
Concen: 53.04 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion: 62 Resp: 70265
Ion Ratio Lower Upper
62 100
64 31.2 21.0 31.4





#5

Bromomethane

Concen: 59.32 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 42590

Ion Ratio Lower Upper

94 100

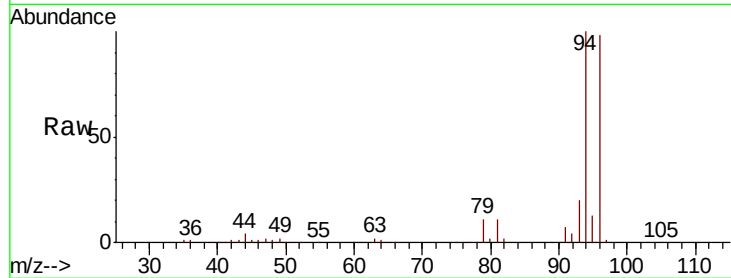
96 97.8 76.0 114.0

Manual Integrations

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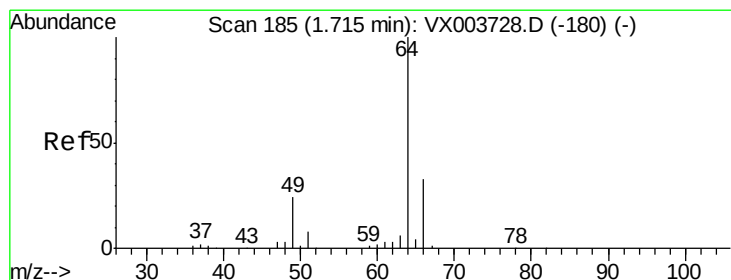
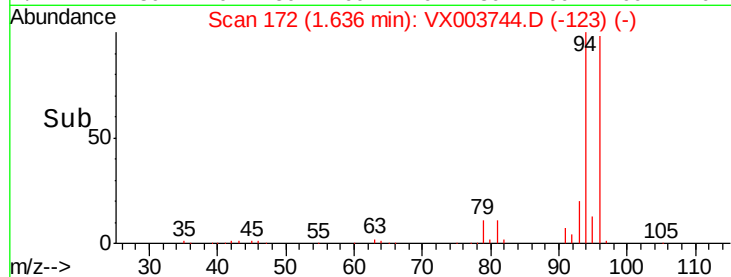
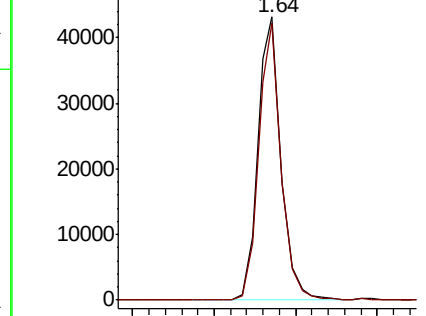
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.18 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003744.D

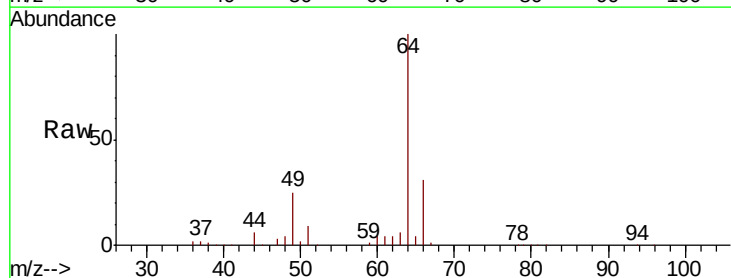
Acq: 31 Jul 2018 11:43

Tgt Ion: 64 Resp: 43084

Ion Ratio Lower Upper

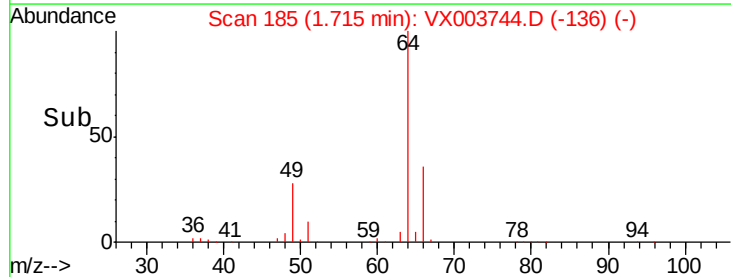
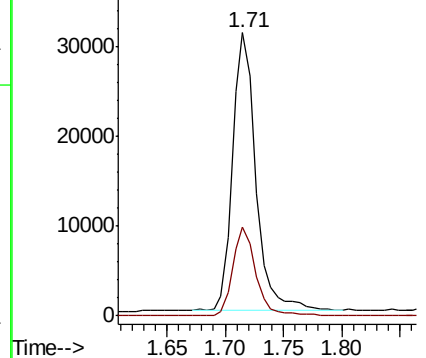
64 100

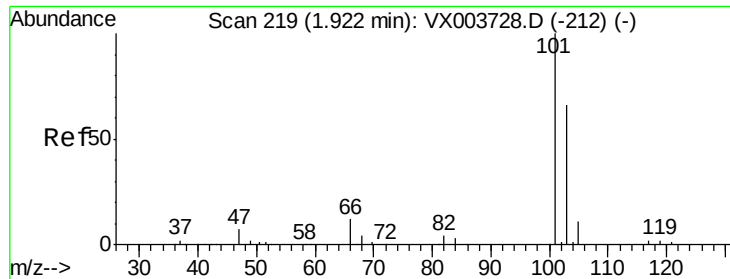
66 31.7 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

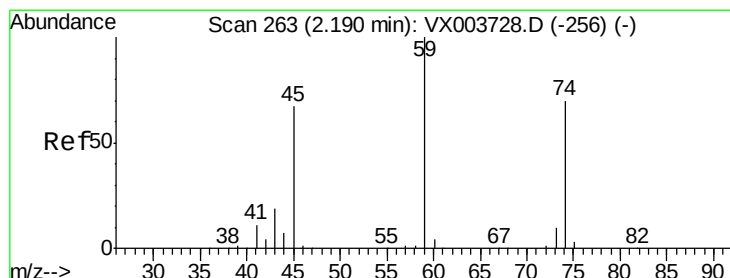
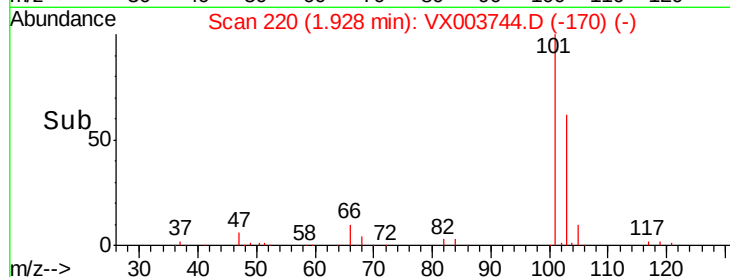
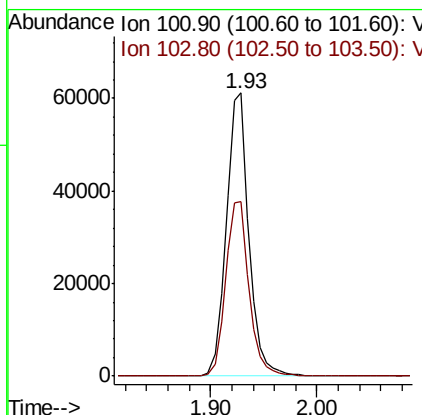
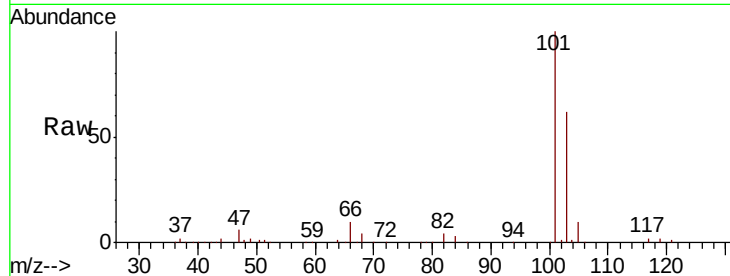
Trichlorofluoromethane
Concen: 52.22 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

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VSTDCCC050

Tot Ion:101 Resp: 90721
Ion Ratio Lower Upper
101 100
103 61.6 52.6 78.8

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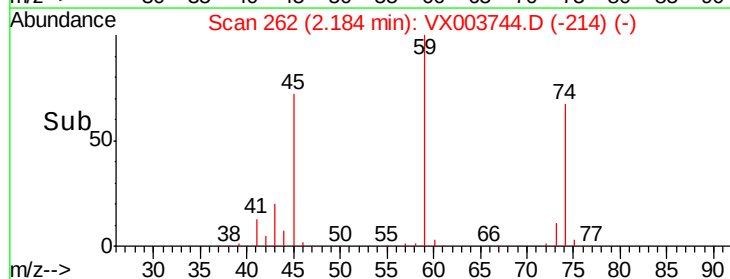
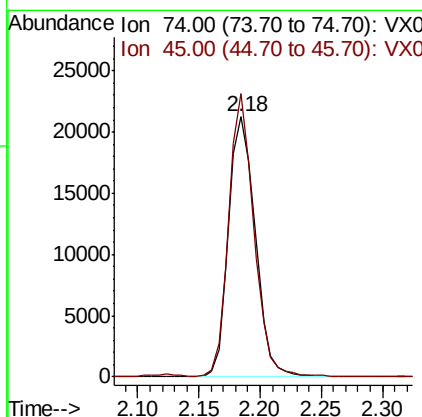
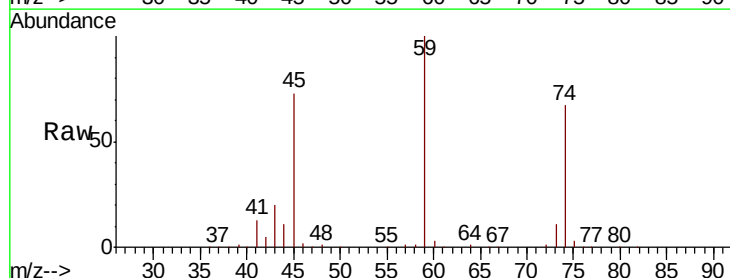
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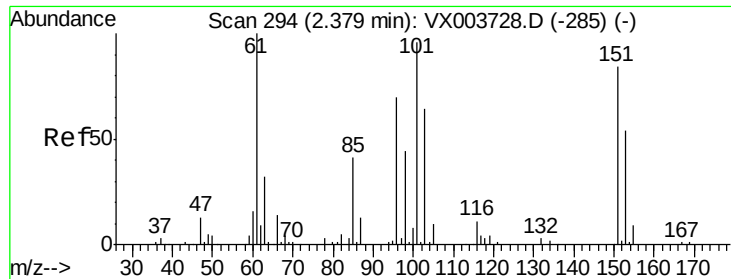


#8

Diethyl Ether
Concen: 48.86 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion: 74 Resp: 32078
Ion Ratio Lower Upper
74 100
45 101.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.55 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

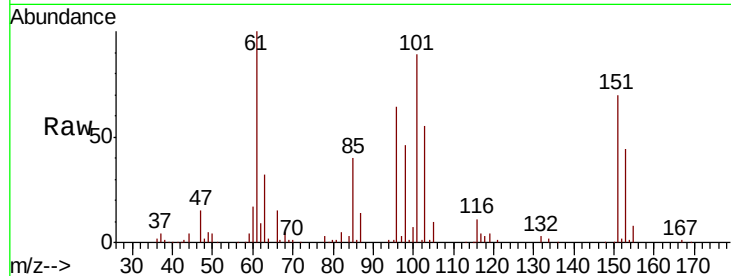
ClientSampleId :

VSTDCCC050

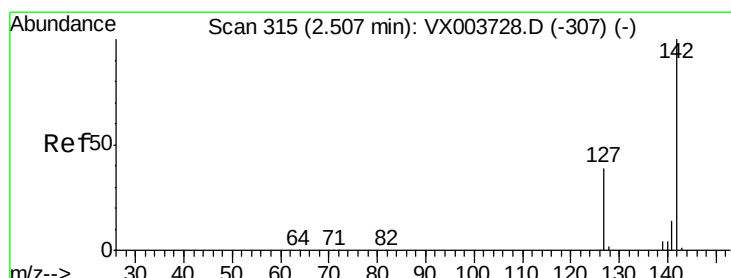
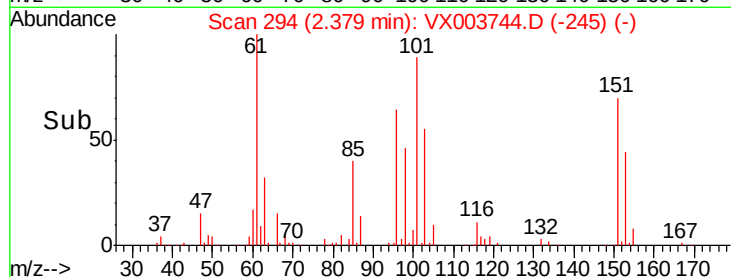
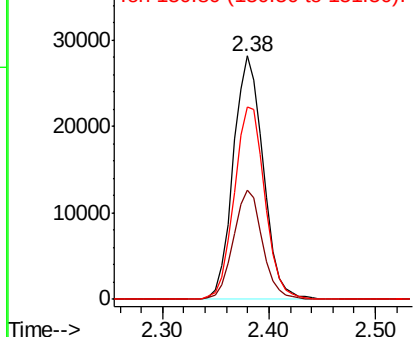
Tot Ion:	101	Resp:	55701
Ion Ratio	Lower	Upper	
101	100		
85	43.5	33.3	49.9
151	81.1	68.8	103.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.31 ug/l

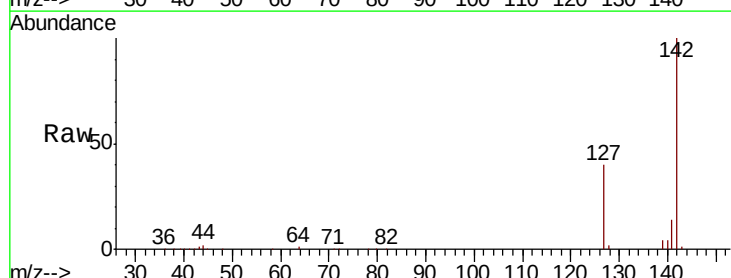
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

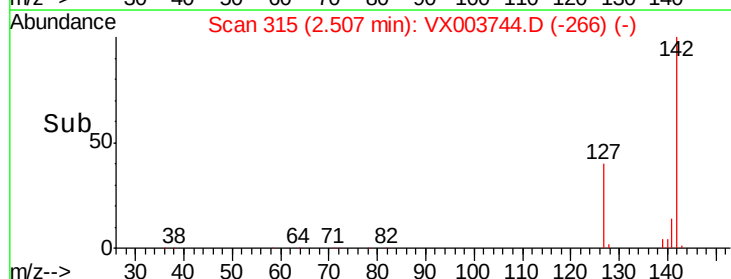
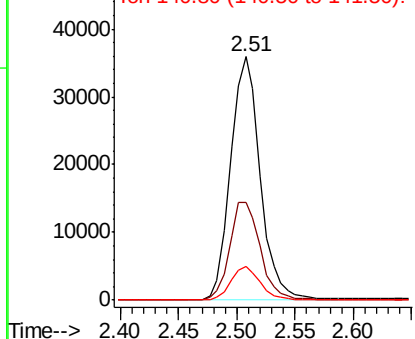
Lab File: VX003744.D

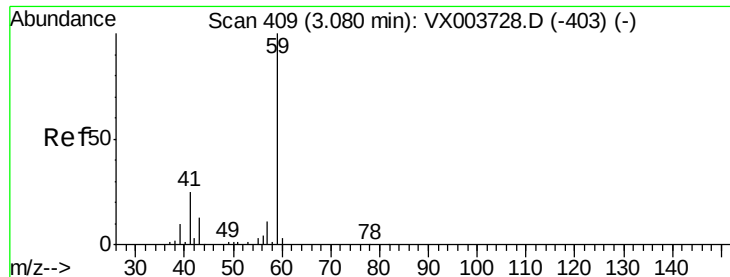
Acq: 31 Jul 2018 11:43

Tgt Ion:	142	Resp:	63739
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.0	48.0
141	13.8	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

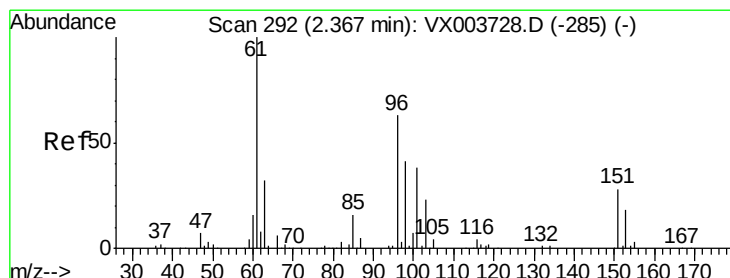
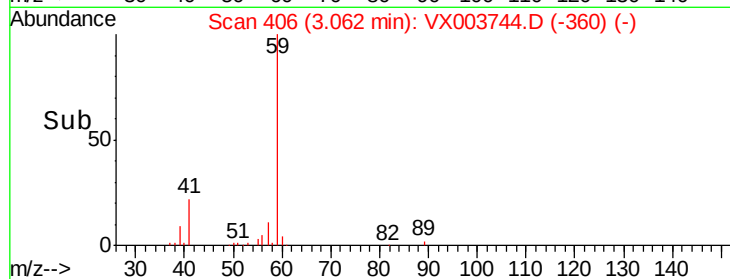
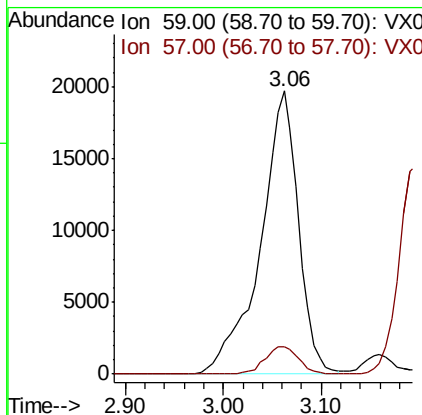
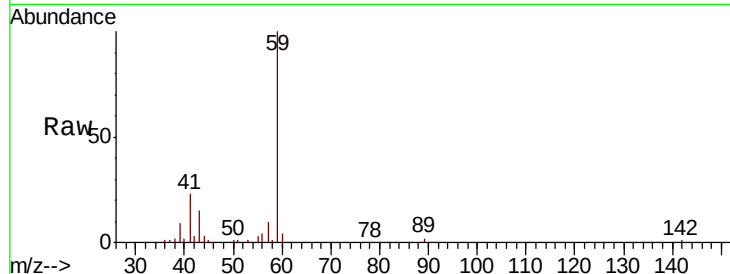
Tert butyl alcohol
Concen: 281.22 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	53461
Ion Ratio	100	Lower	Upper
59	100	8.1	12.1
57	8.8		

Manual Integrations
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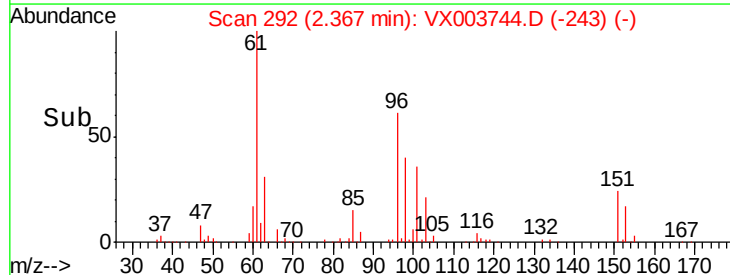
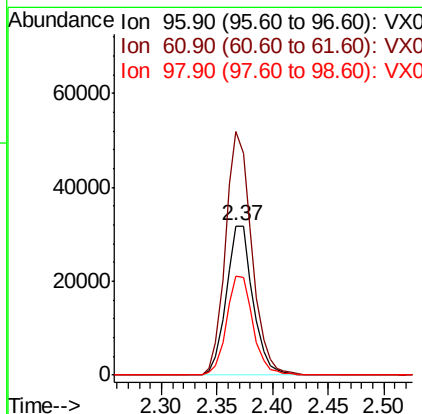
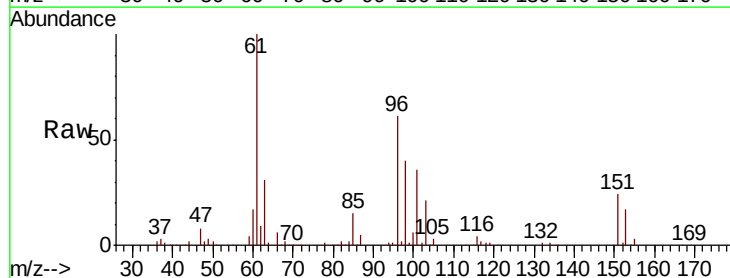
apatel
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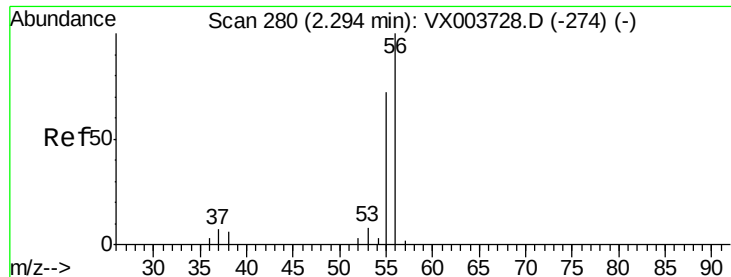


#12

1,1-Dichloroethene
Concen: 50.90 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion	96	Resp	52812
Ion Ratio	100	Lower	Upper
96	100	127.1	190.7
61	163.3		
98	66.0	52.0	78.0





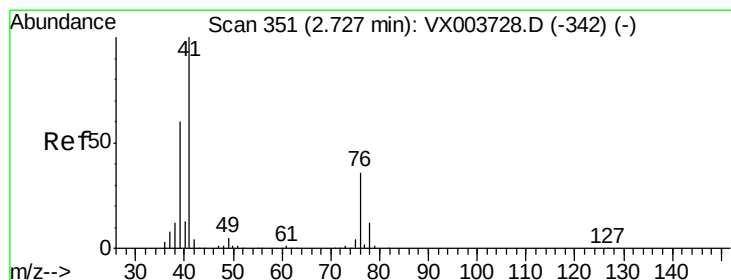
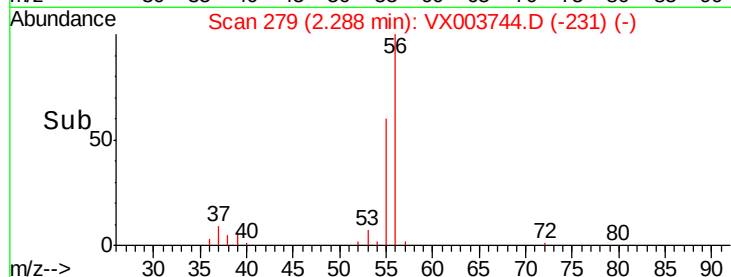
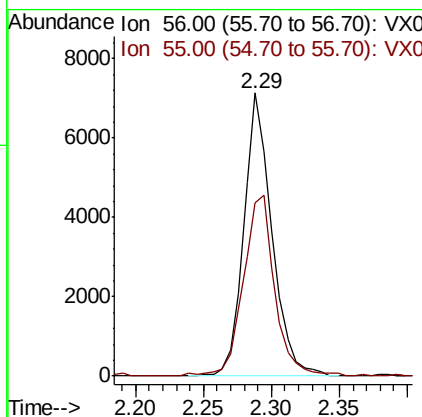
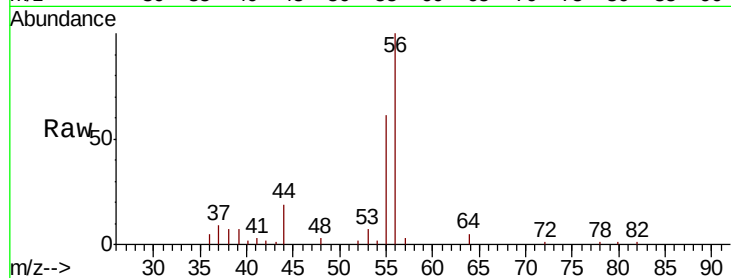
#13
Acrolein
Concen: 165.19 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 10274
Ion Ratio Lower Upper
56 100
55 71.7 61.4 92.0

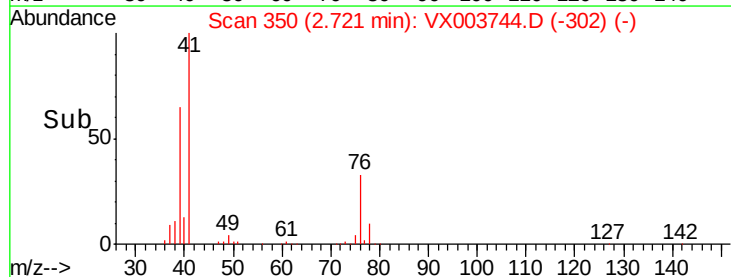
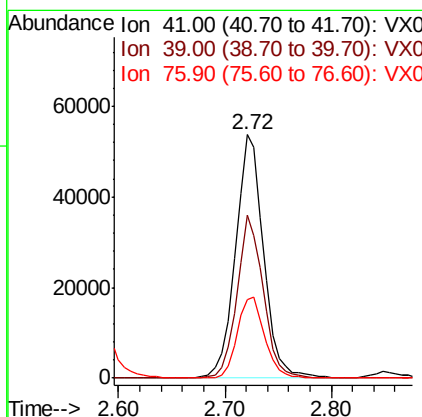
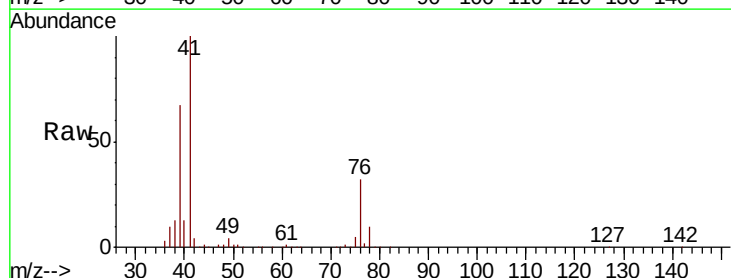
Manual Integrations
APPROVED

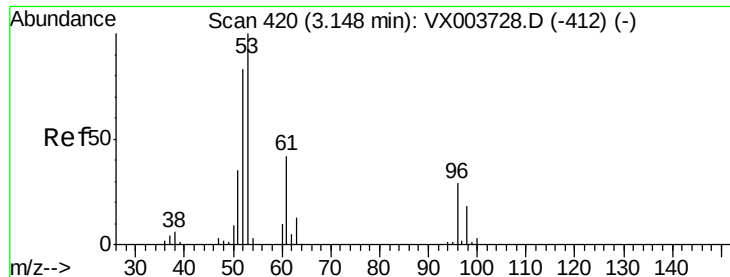
apatel
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#14
Allyl chloride
Concen: 54.09 ug/l
RT: 2.72 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion: 41 Resp: 99489
Ion Ratio Lower Upper
41 100
39 62.0 47.7 71.5
76 32.5 27.0 40.6





#15

Acrylonitrile

Concen: 279.11 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

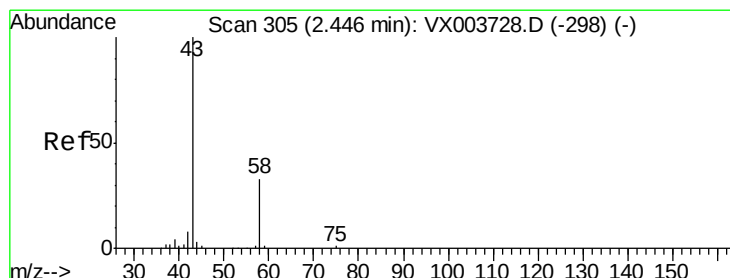
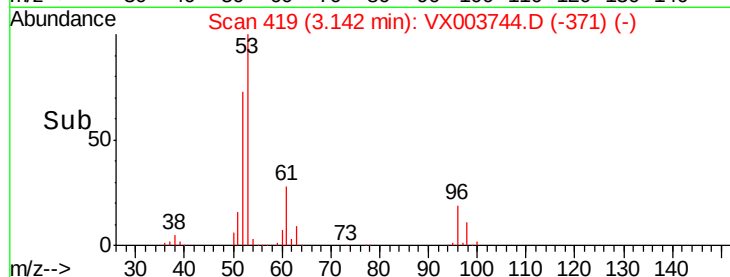
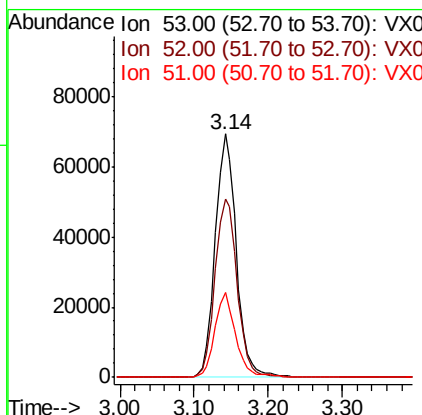
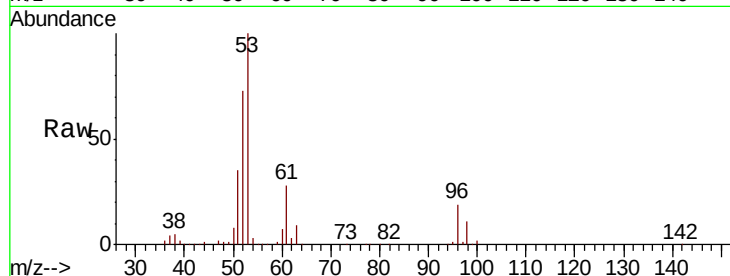
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	134937
Ion Ratio	Lower	Upper	
53	100		
52	77.6	66.2	99.2
51	34.9	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 282.45 ug/l

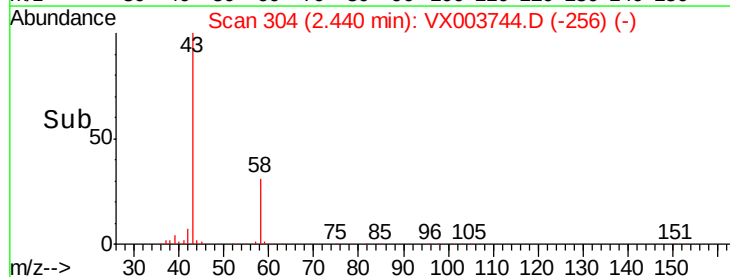
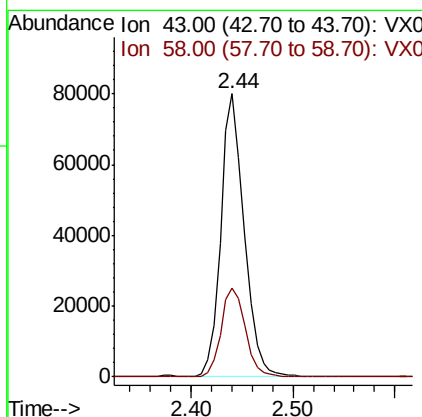
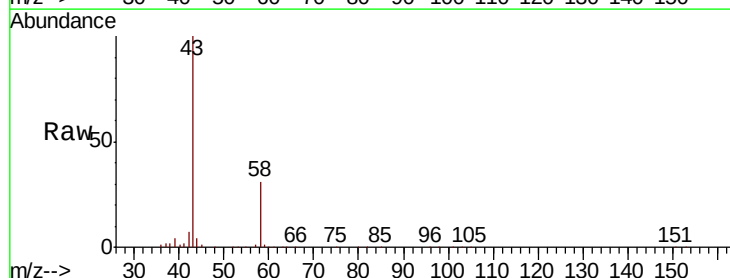
RT: 2.44 min Scan# 304

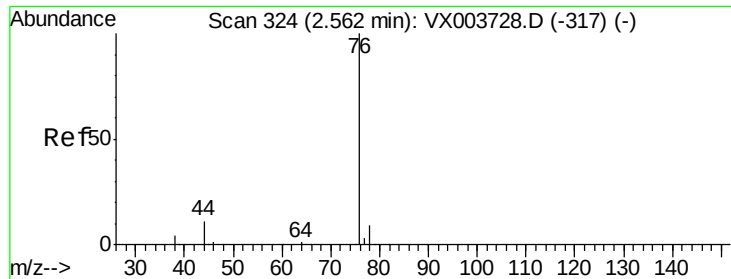
Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Tgt Ion:	43	Resp:	126660
Ion Ratio	Lower	Upper	
43	100		
58	31.3	26.7	40.1





#17

Carbon Disulfide

Concen: 51.12 ug/l

RT: 2.56 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 172565

Ion Ratio Lower Upper

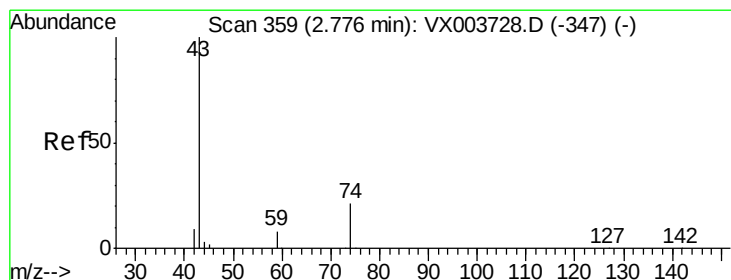
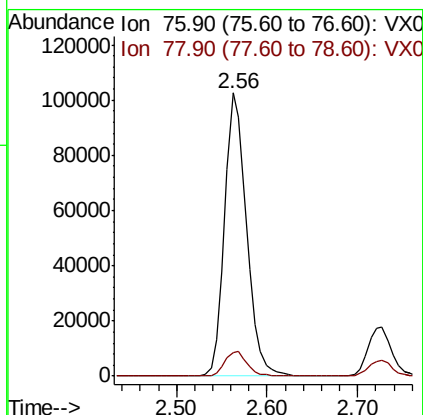
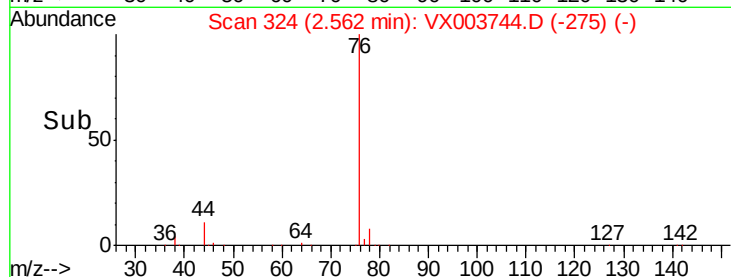
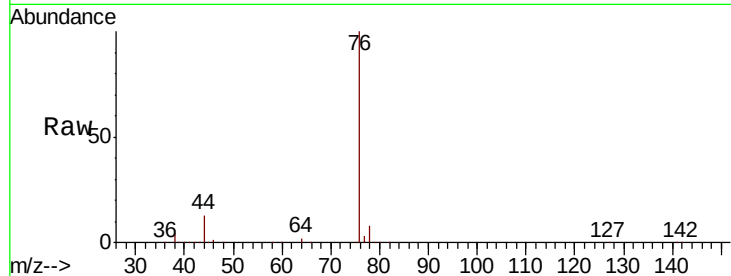
76 100

78 8.3 7.3 10.9

Manual Integrations
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#18

Methyl Acetate

Concen: 51.45 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX003744.D

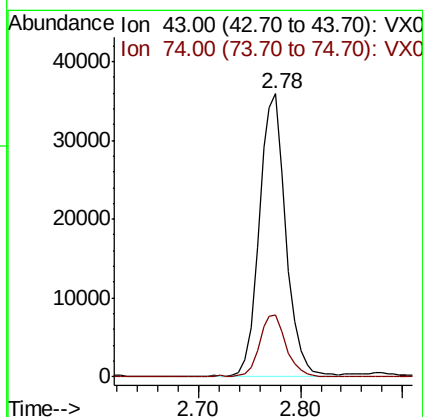
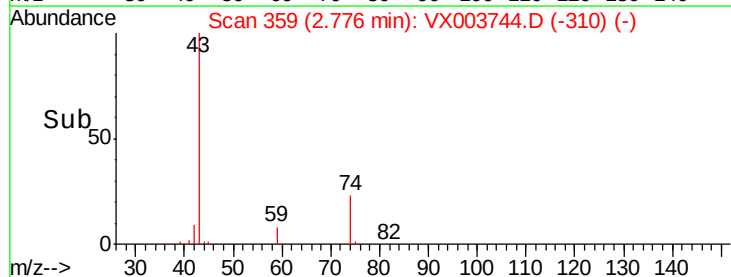
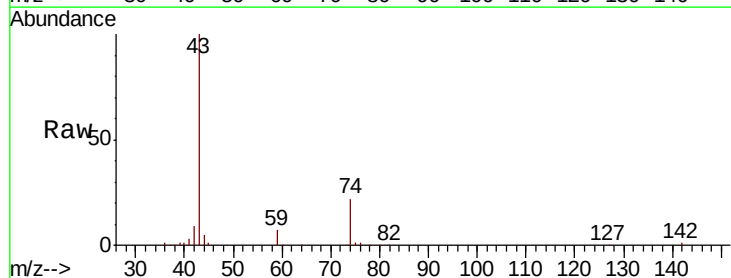
Acq: 31 Jul 2018 11:43

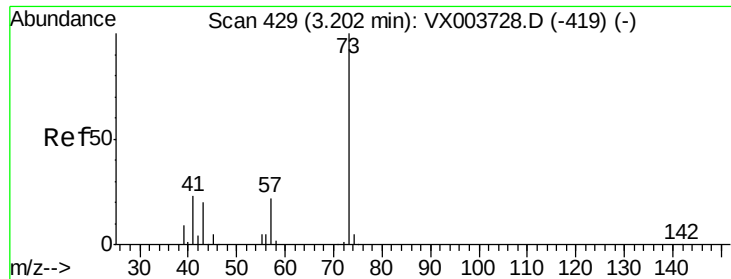
Tgt Ion: 43 Resp: 64831

Ion Ratio Lower Upper

43 100

74 22.4 18.9 28.3





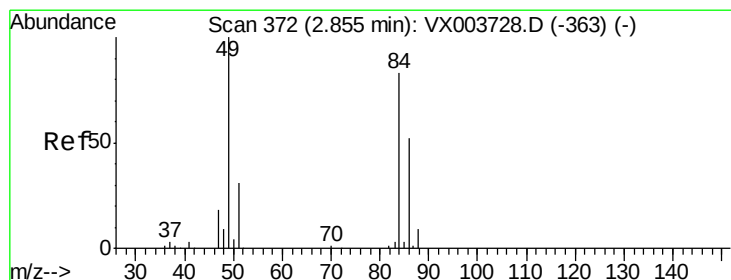
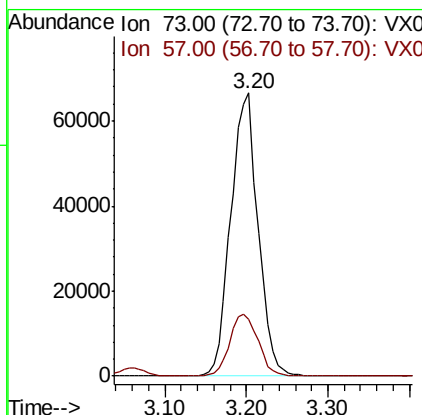
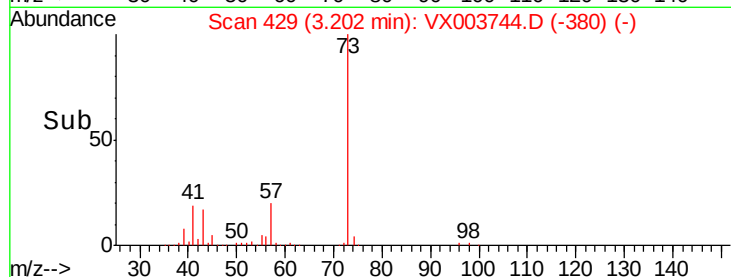
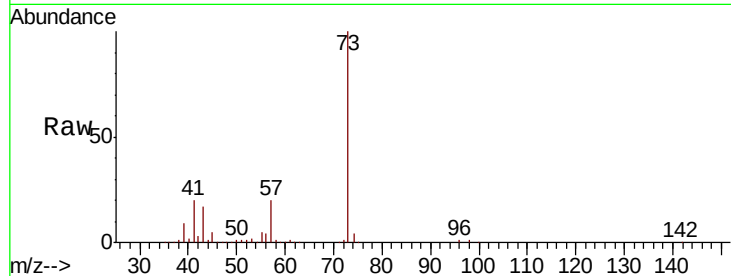
#19
Methyl tert-butyl Ether
Concen: 54.23 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	18.0	27.0

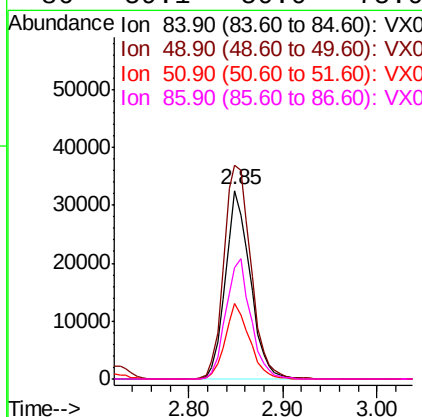
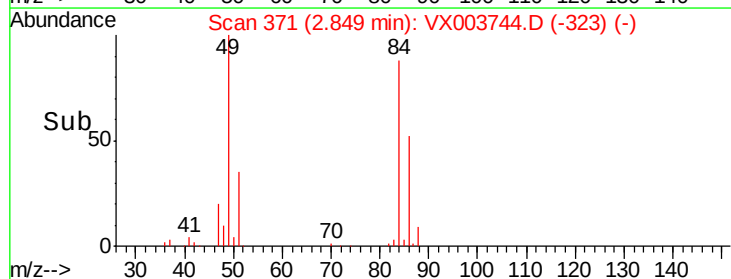
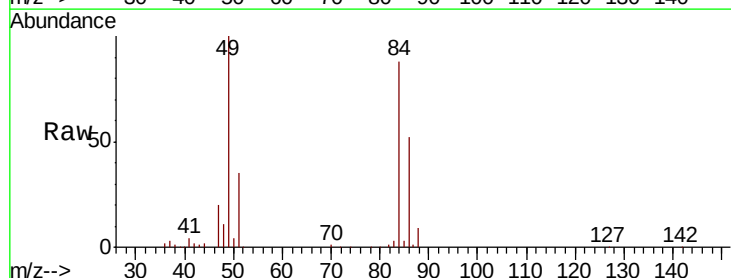
Manual Integrations
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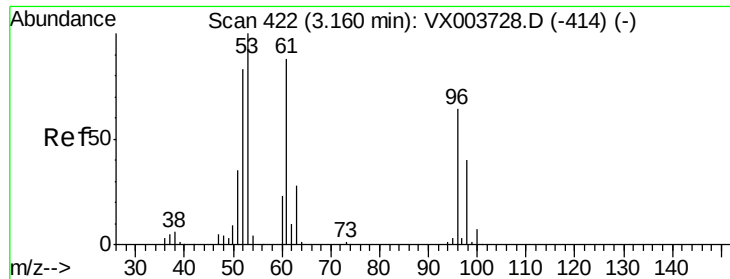
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#20
Methylene Chloride
Concen: 50.47 ug/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.3	95.8	143.8
51	40.2	29.6	44.4
86	59.1	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 54.41 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

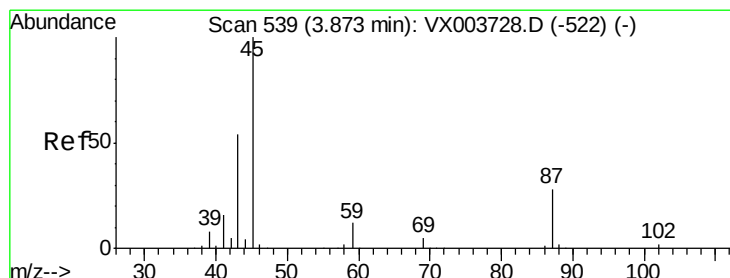
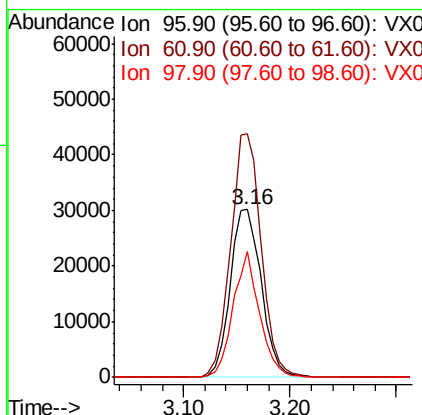
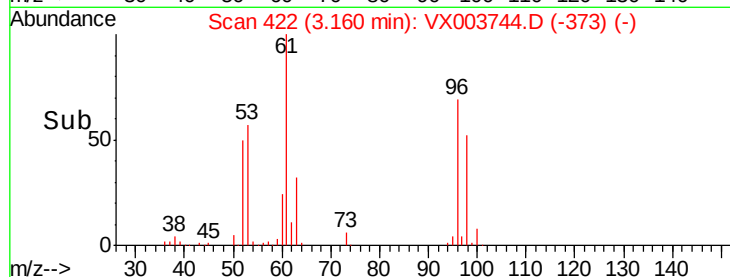
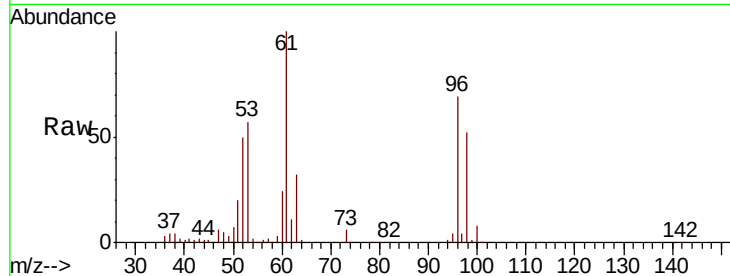
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	61856
Ion	Ratio	Lower	Upper
96	100		
61	145.0	110.9	166.3
98	74.8	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.20 ug/l

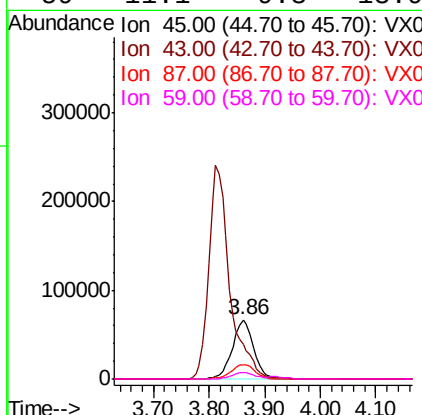
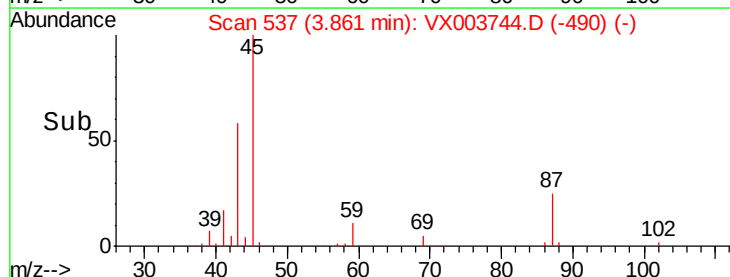
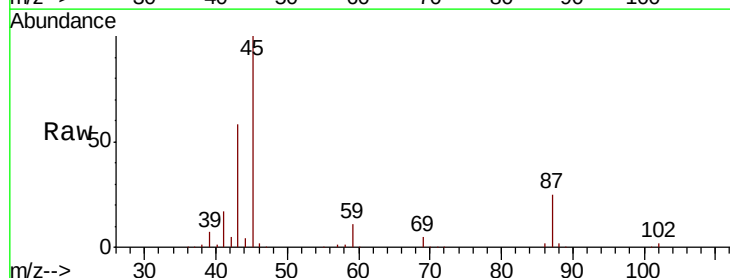
RT: 3.86 min Scan# 537

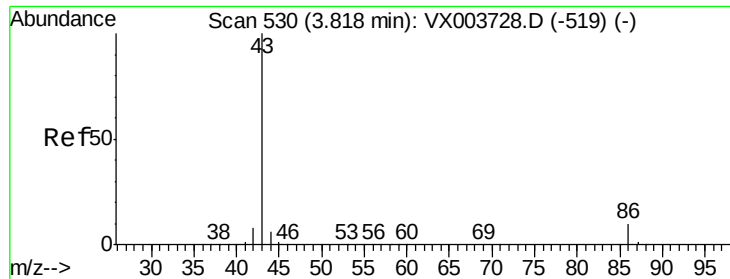
Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Tgt Ion:	45	Resp:	176627
Ion	Ratio	Lower	Upper
45	100		
43	57.8	43.5	65.3
87	24.6	22.6	33.8
59	11.1	9.3	13.9





#23

Vinyl Acetate

Concen: 264.69 ug/l

RT: 3.81 min Scan# 529

Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 633853

Ion Ratio Lower Upper

43 100

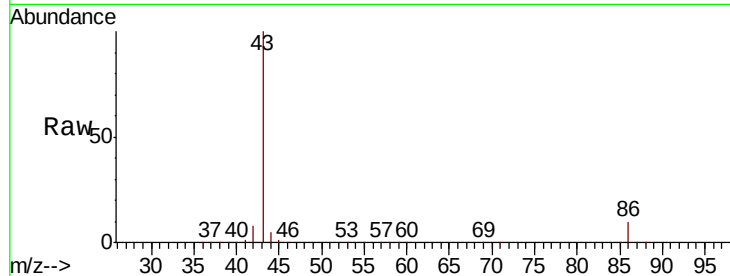
86 10.4 8.2 12.2

Manual Integrations

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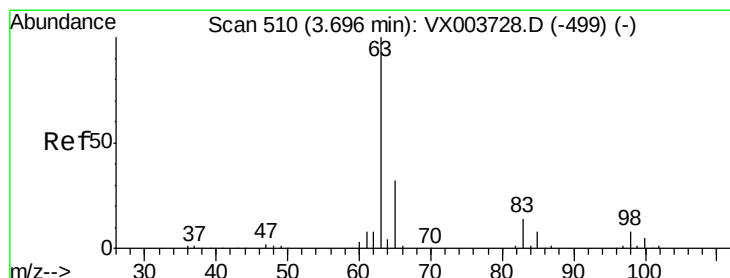
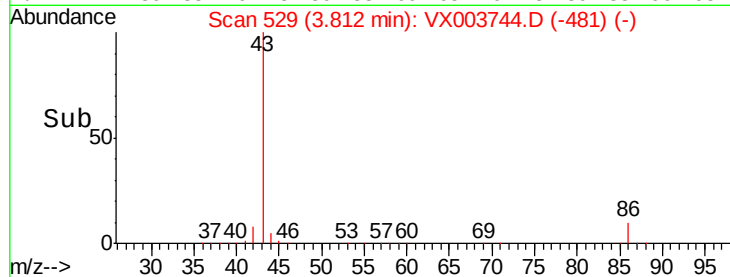
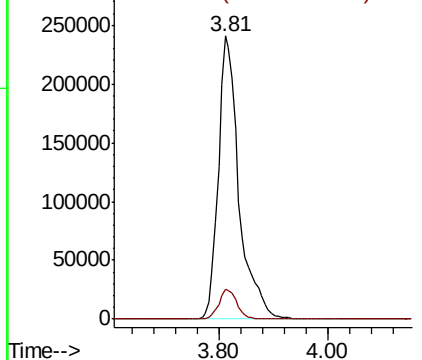
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.40 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

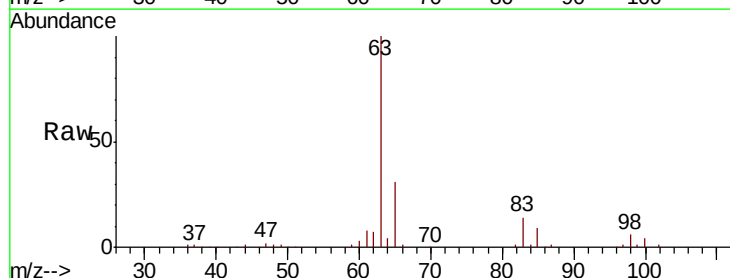
Tgt Ion: 63 Resp: 103394

Ion Ratio Lower Upper

63 100

98 6.4 4.0 12.0

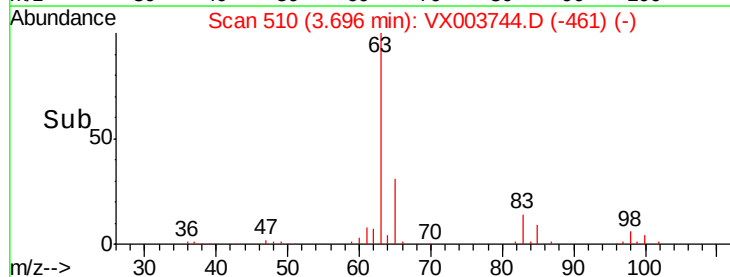
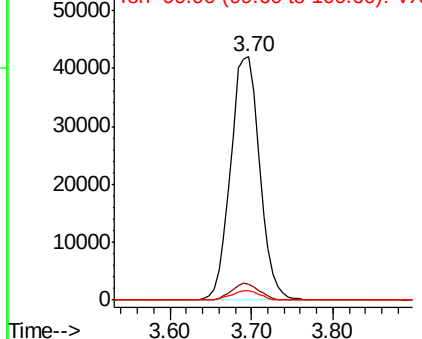
100 4.1 2.4 7.2

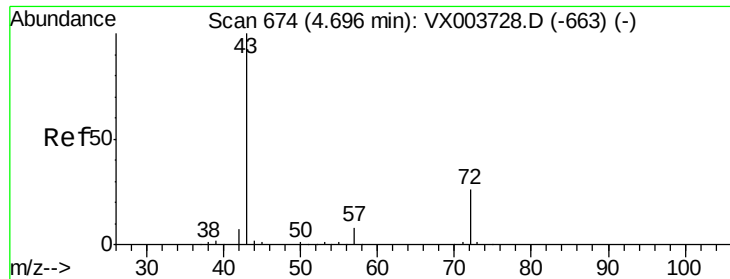


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 251.28 ug/l

RT: 4.68 min Scan# 672

Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 164269

Ion Ratio Lower Upper

43 100

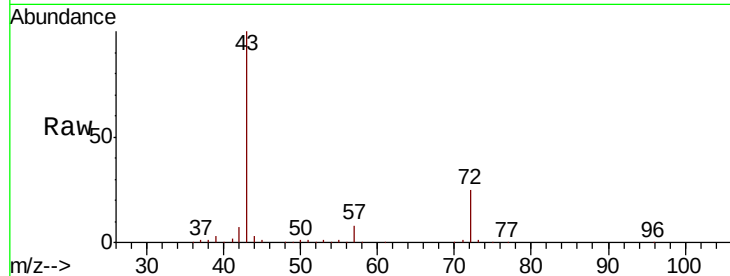
72 25.1 20.9 31.3

Manual Integrations

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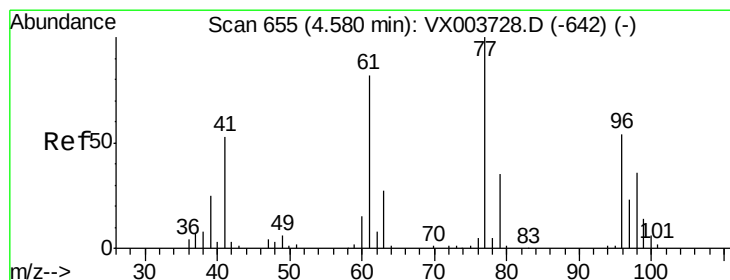
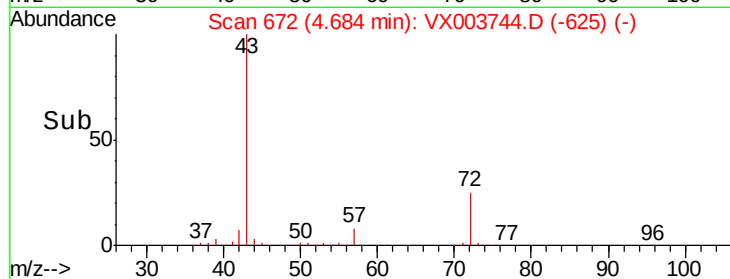
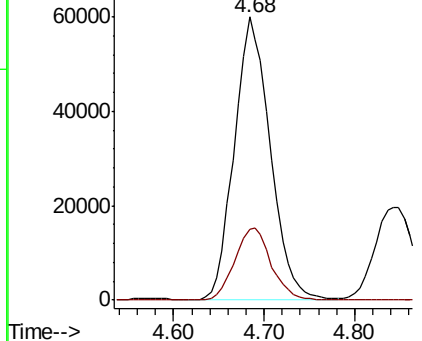
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 54.95 ug/l

RT: 4.57 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX003744.D

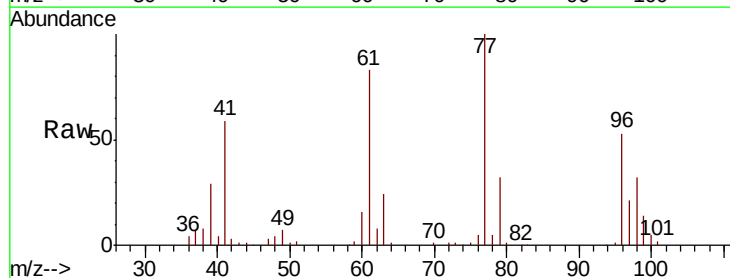
Acq: 31 Jul 2018 11:43

Tgt Ion: 77 Resp: 83799

Ion Ratio Lower Upper

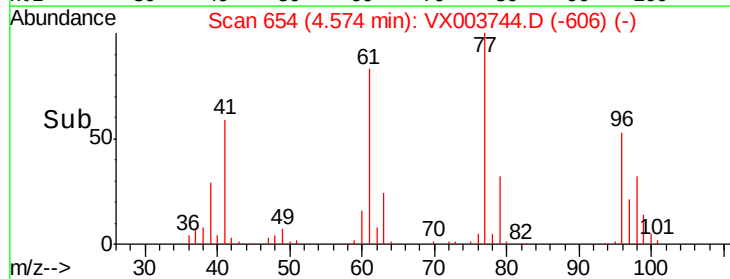
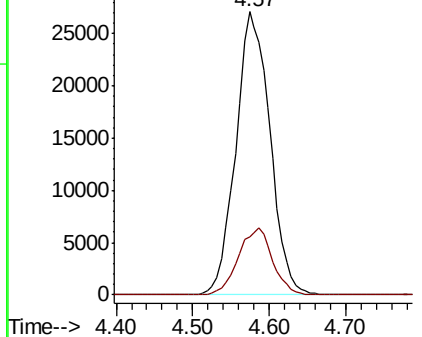
77 100

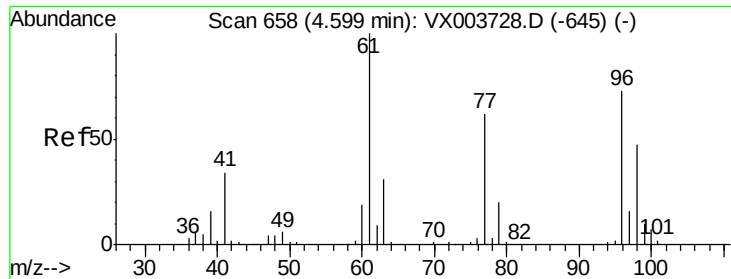
97 23.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 50.78 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

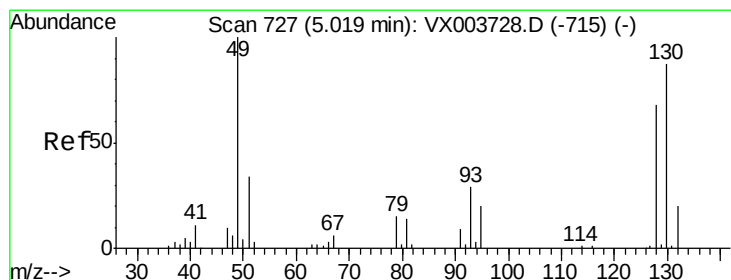
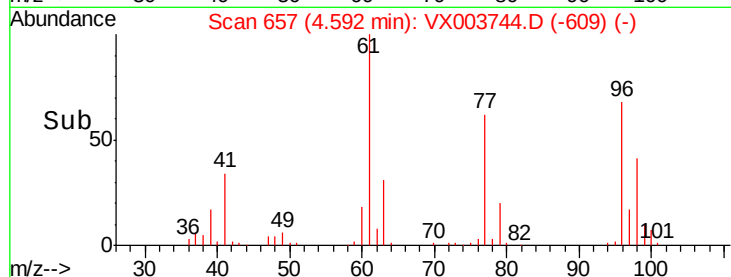
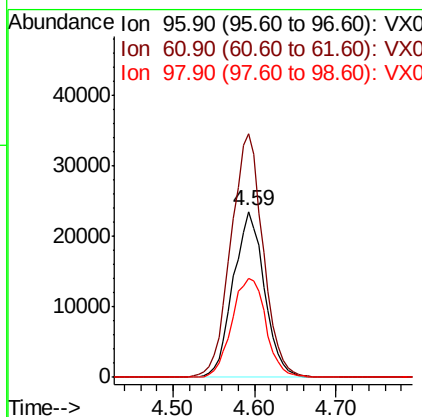
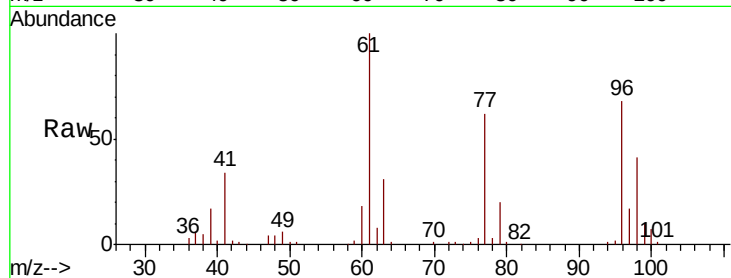
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	62220
Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	285.6
98	65.1	0.0	131.0

Manual Integrations
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#28

Bromochloromethane

Concen: 50.17 ug/l

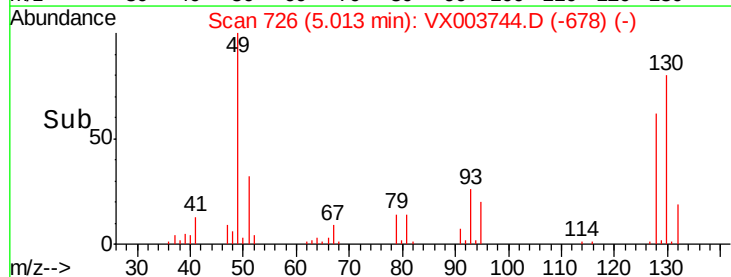
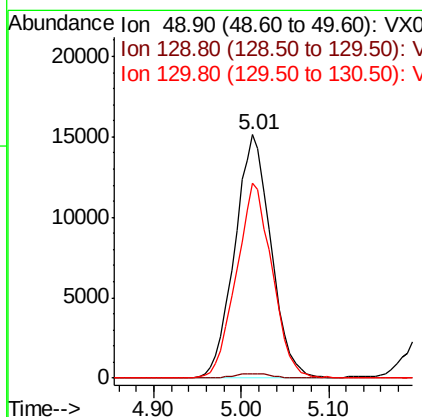
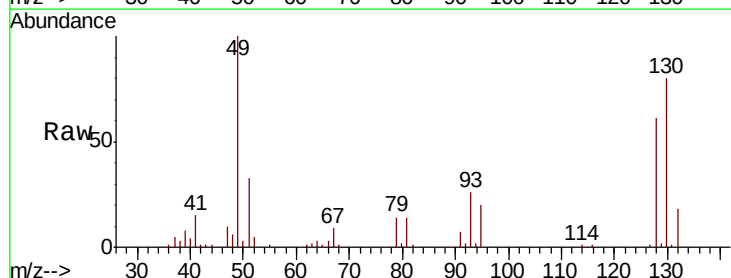
RT: 5.01 min Scan# 726

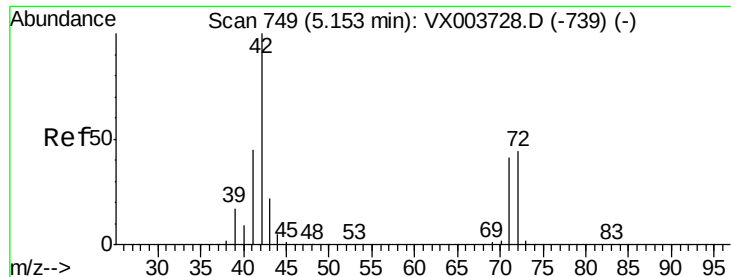
Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Tgt Ion:	49	Resp:	43574
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	78.9	68.9	103.3





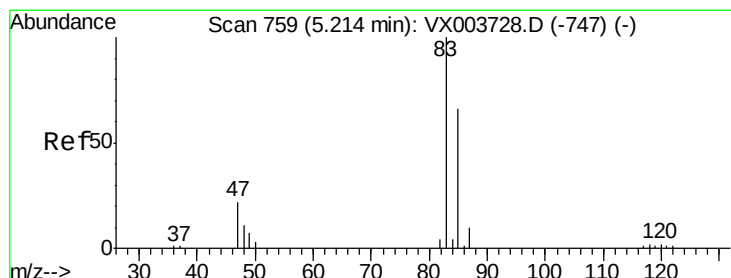
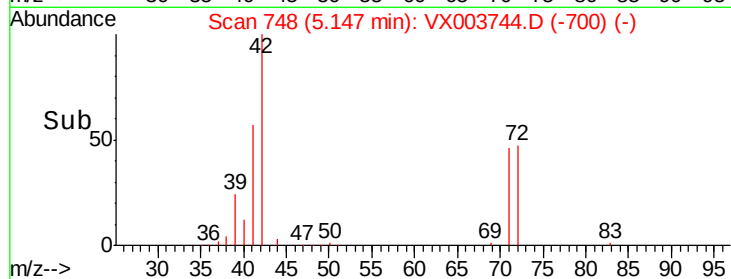
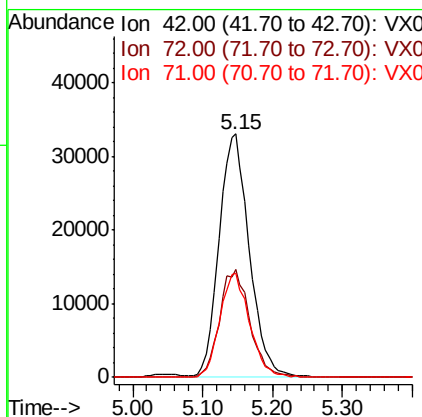
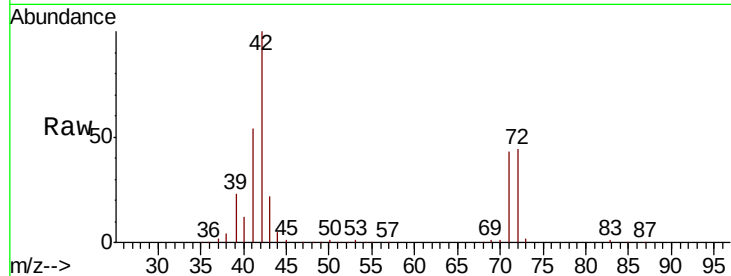
#29
Tetrahydrofuran
Concen: 237.03 ug/l
RT: 5.15 min Scan# 748
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.6	53.4
71	42.1	33.4	50.0

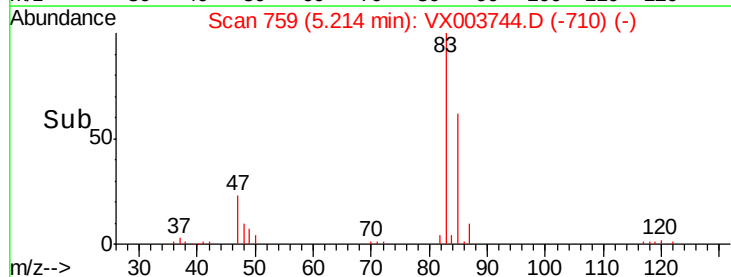
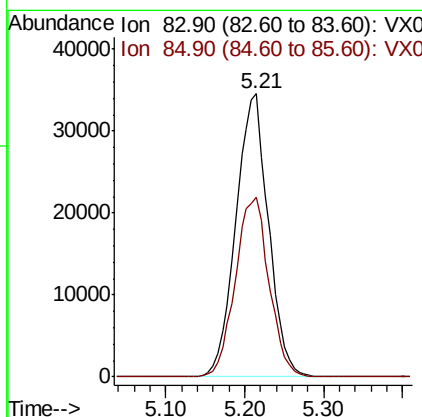
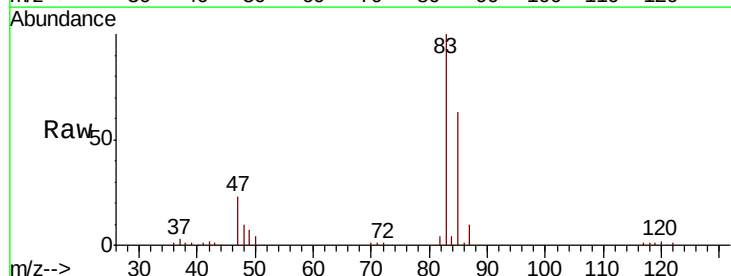
Manual Integrations
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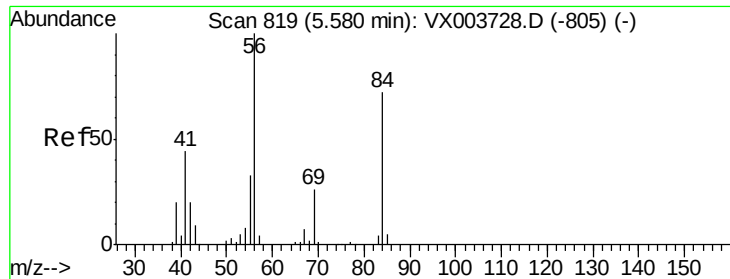
apatel
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#30
Chloroform
Concen: 51.94 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.8	79.2





#31

Cyclohexane

Concen: 51.86 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

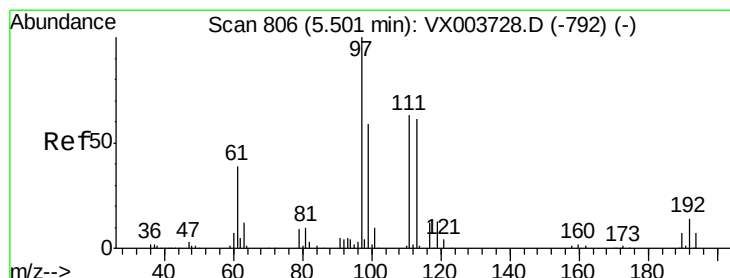
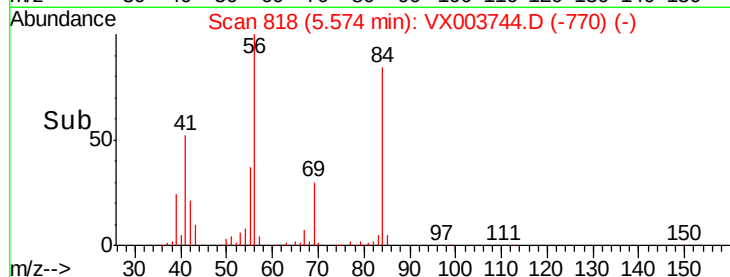
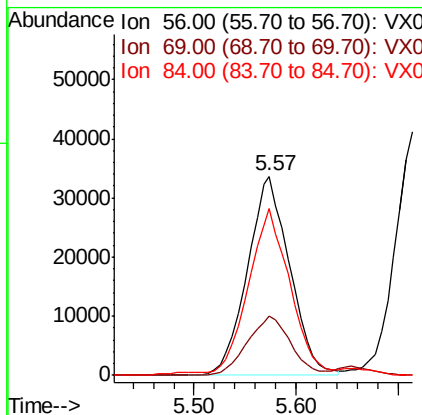
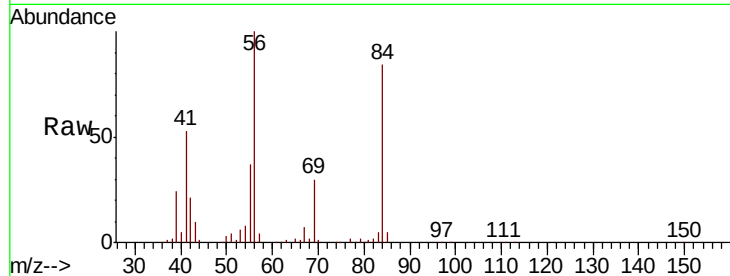
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	97005
Ion Ratio	Lower	Upper	
56	100		
69	29.6	20.6	30.8
84	82.7	57.9	86.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.05 ug/l

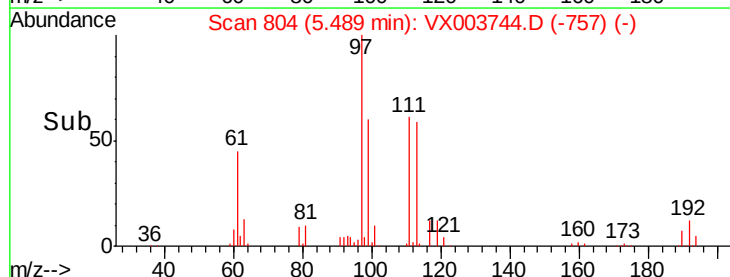
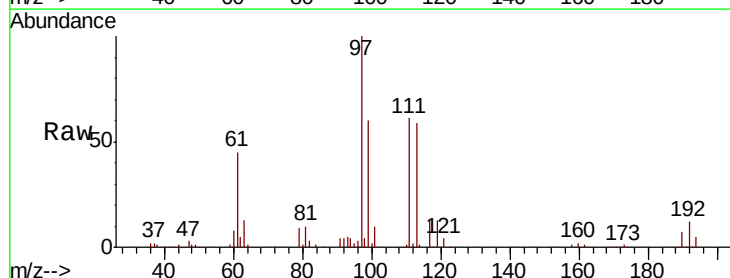
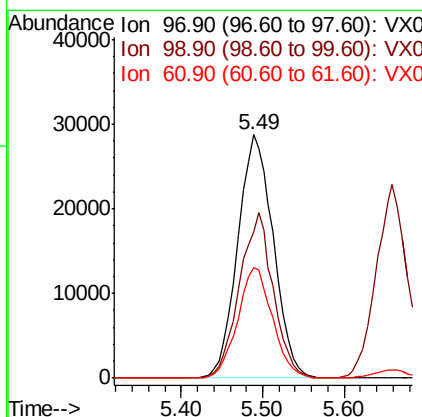
RT: 5.49 min Scan# 804

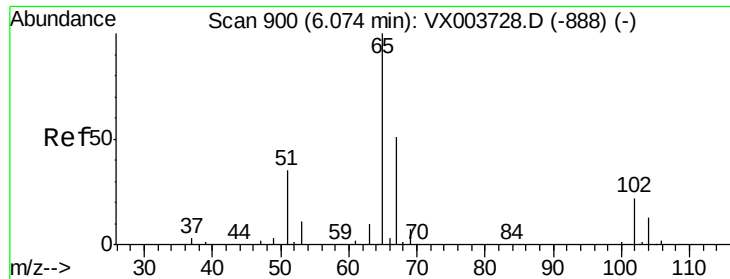
Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Tgt Ion:	97	Resp:	86999
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.4	77.2
61	44.5	33.4	50.2





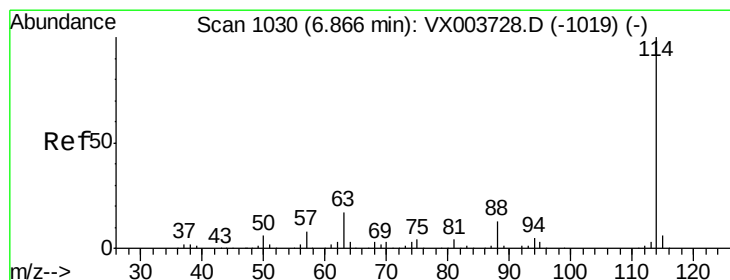
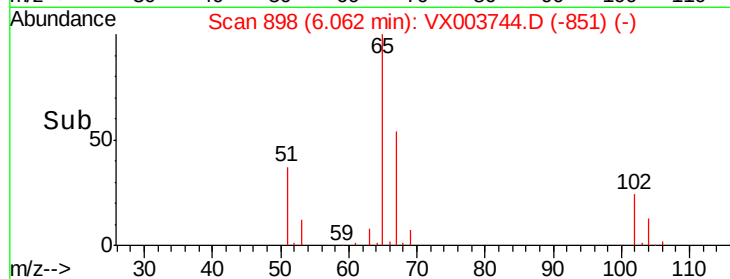
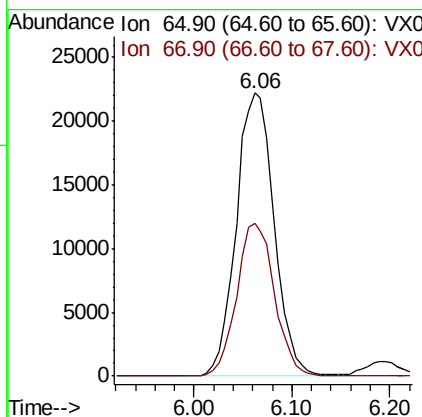
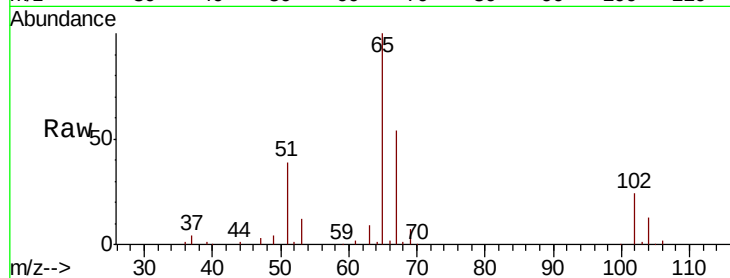
#33
 1,2-Dichloroethane-d4
 Concen: 50.75 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.0

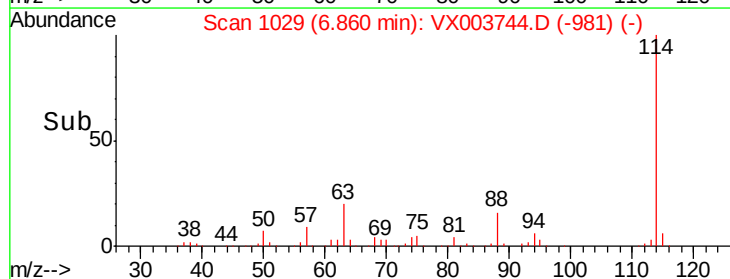
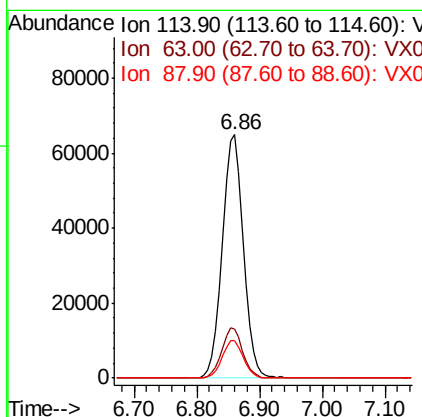
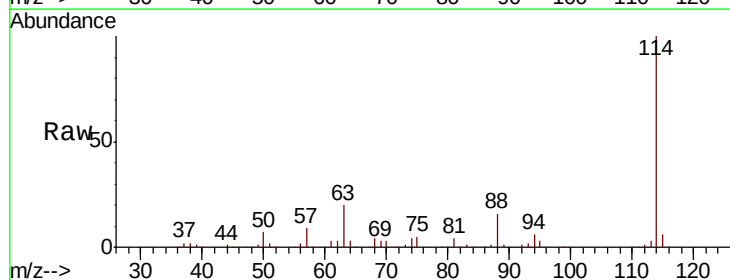
Manual Integrations
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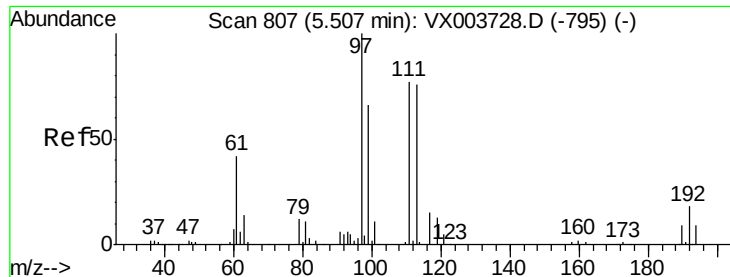
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	34.0
88	15.6	0.0	26.4





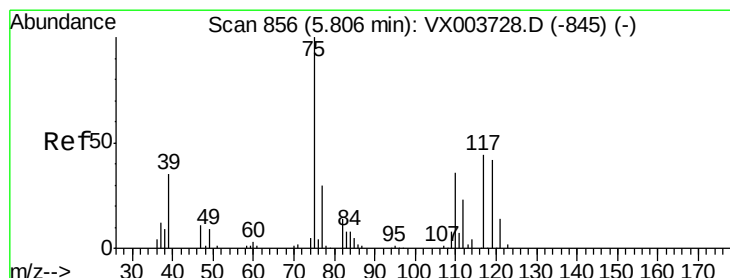
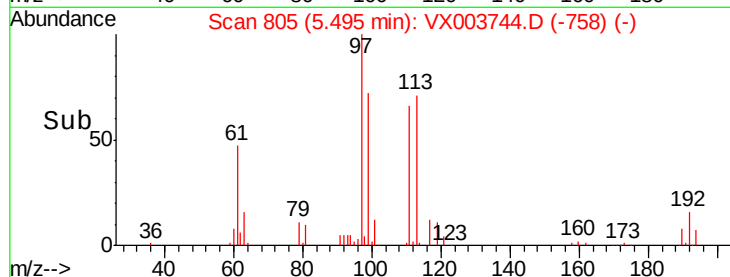
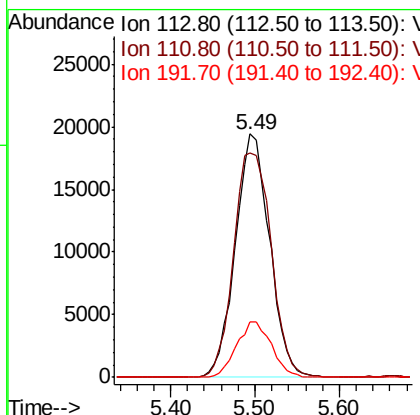
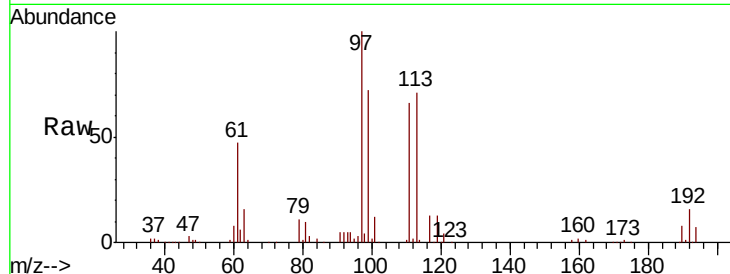
#35
 Dibromofluoromethane
 Concen: 59.90 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	53415		
111	101.5	81.8	122.6	
192	23.1	18.8	28.2	

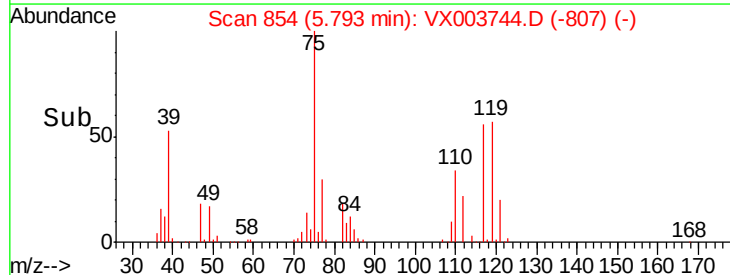
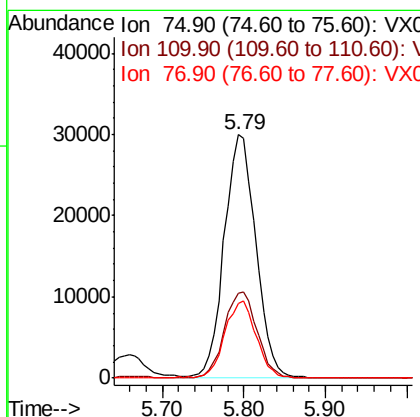
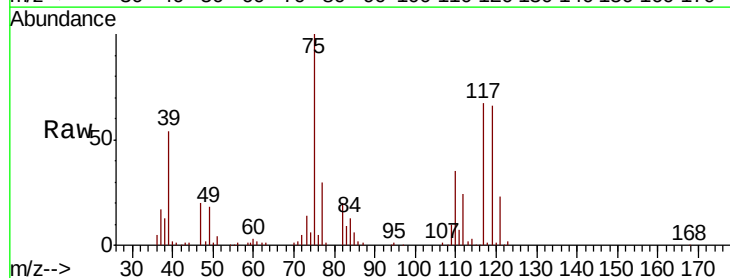
Manual Integrations
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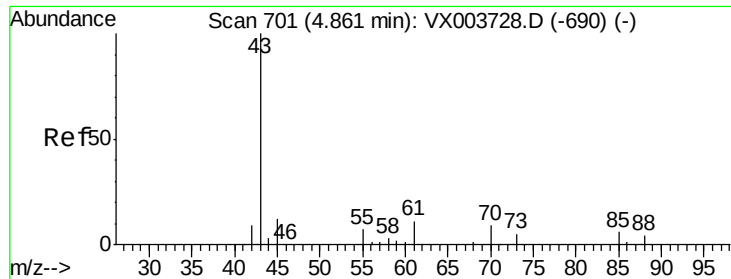
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#36
 1,1-Dichloropropene
 Concen: 56.64 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80330		
110	36.3	18.3	54.8	
77	31.9	25.1	37.7	





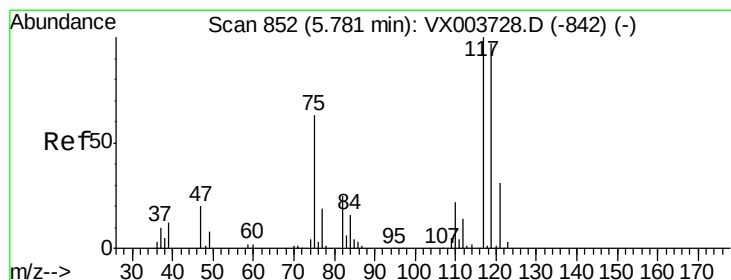
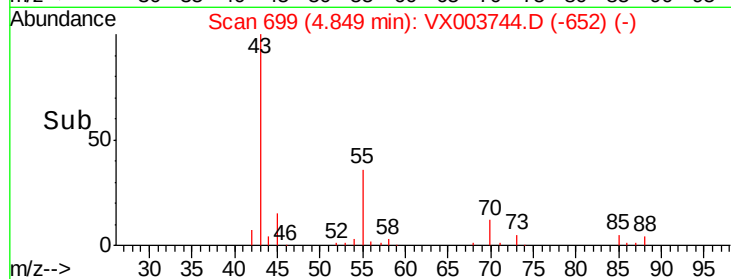
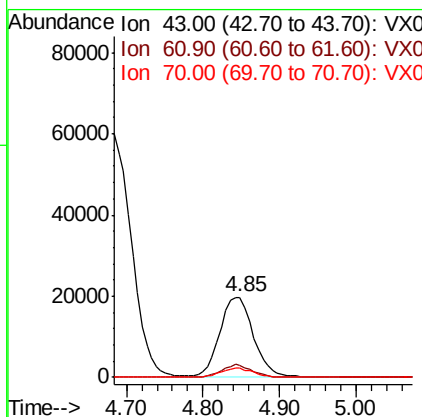
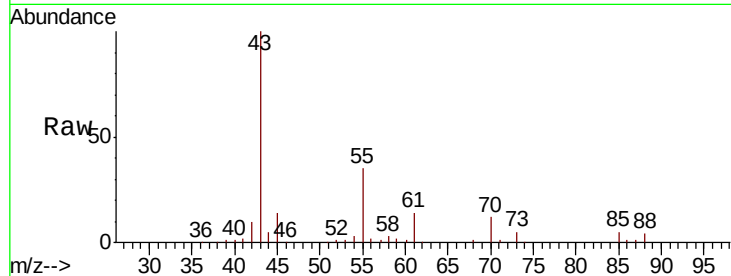
#37
Ethyl Acetate
Concen: 55.20 ug/l
RT: 4.85 min Scan# 699
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	60141
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	10.8	8.2	12.2

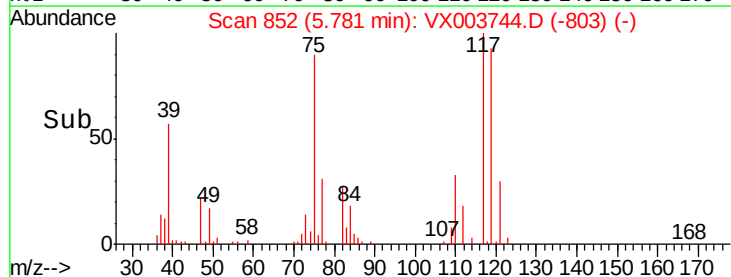
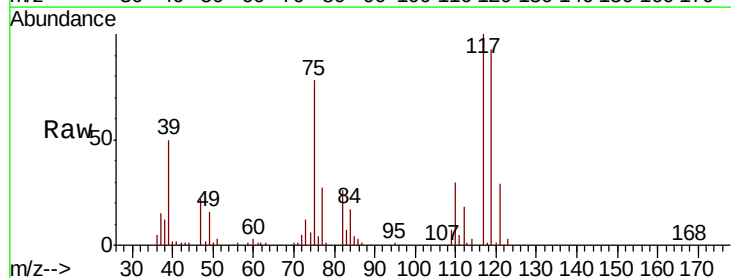
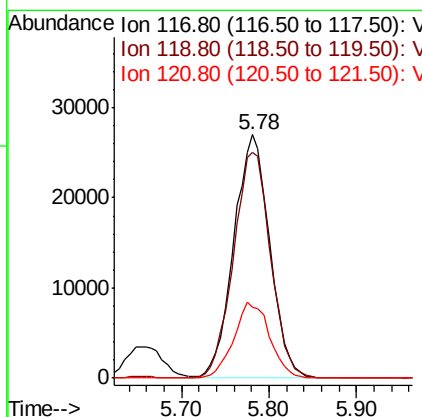
Manual Integrations
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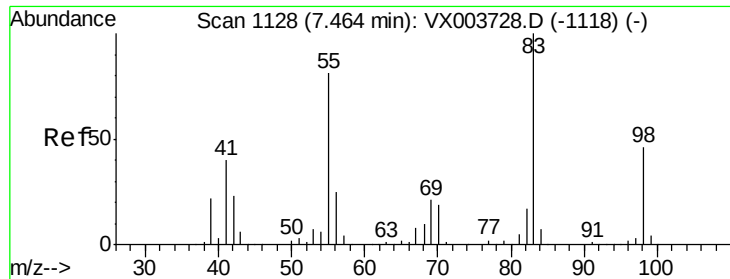
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#38
Carbon Tetrachloride
Concen: 58.77 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion:	117	Resp:	77105
Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.2	115.8
121	29.1	25.0	37.4





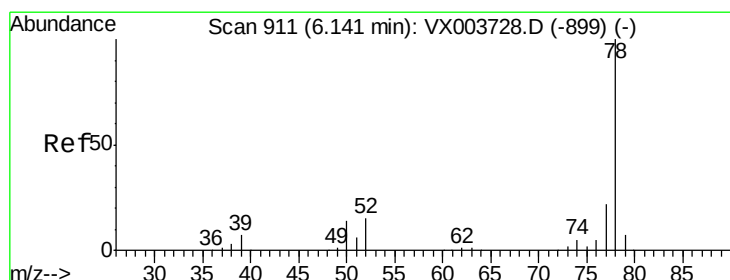
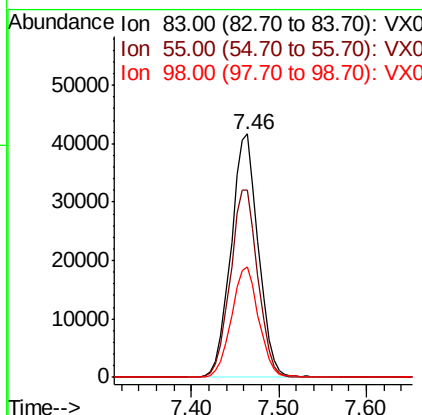
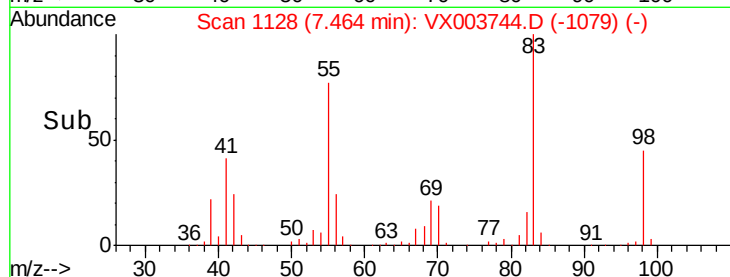
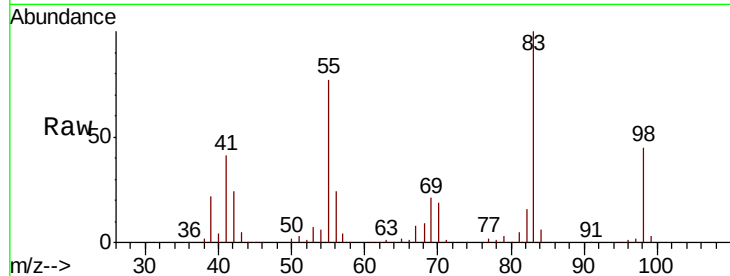
#39
Methylvlcyclohexane
Concen: 51.86 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	65.0	97.6
98	45.5	37.1	55.7

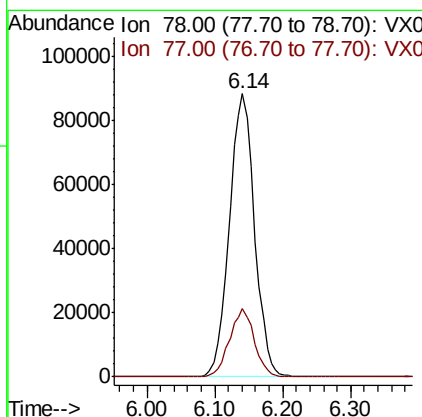
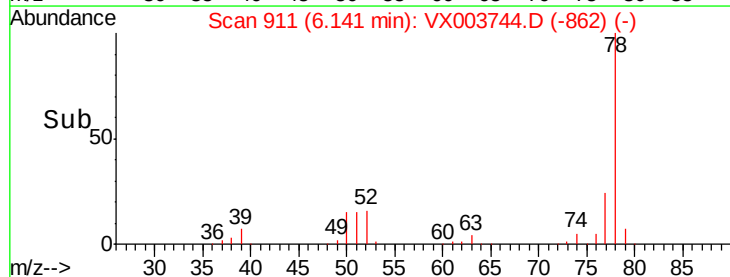
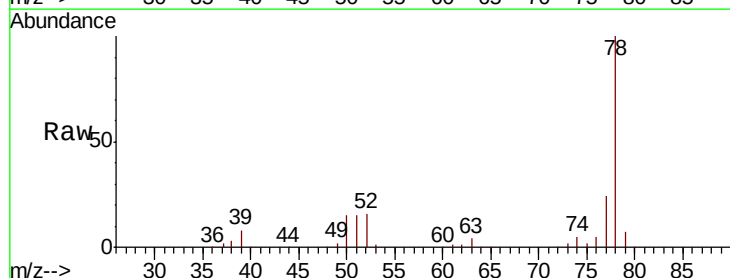
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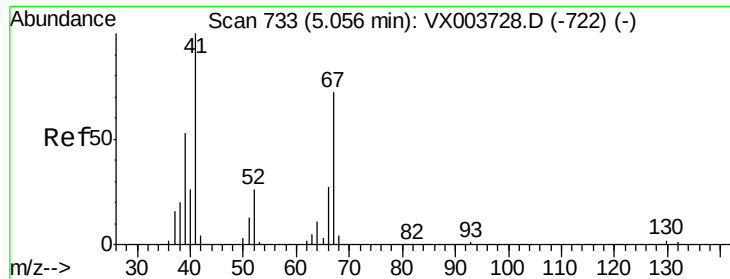
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#40
Benzene
Concen: 55.69 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	17.9	26.9





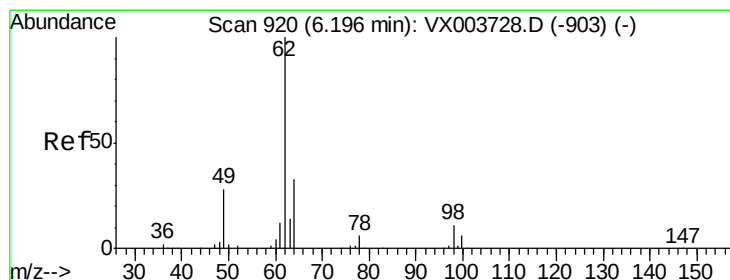
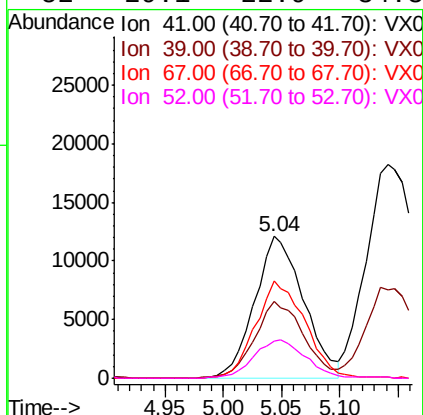
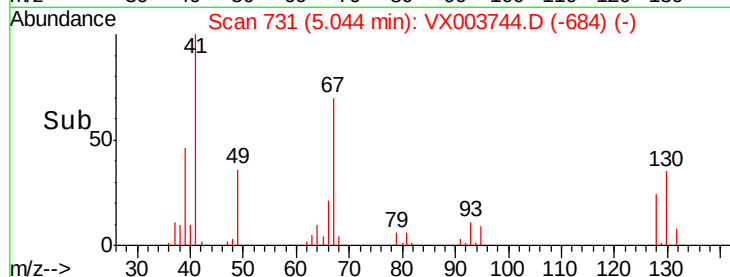
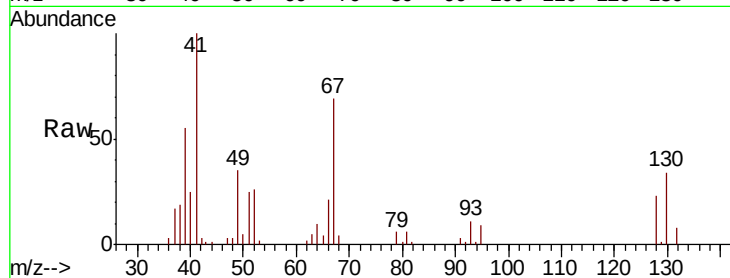
#41
Methacrylonitrile
Concen: 57.76 ug/l
RT: 5.04 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	42.6	64.0	
67	69.6	58.9	88.3	
52	29.1	22.9	34.3	

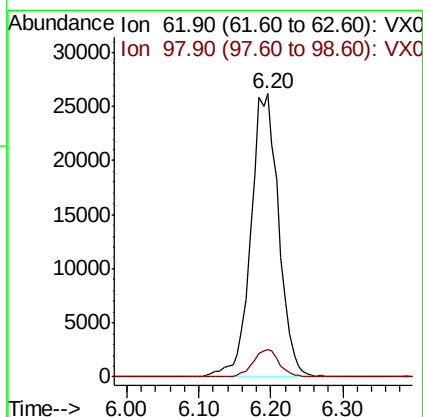
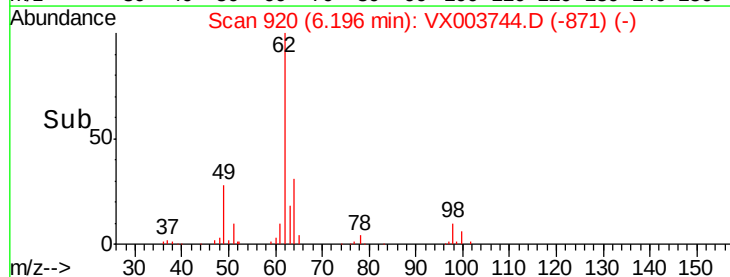
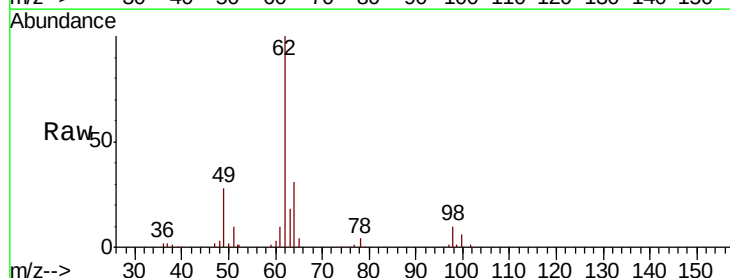
Manual Integrations
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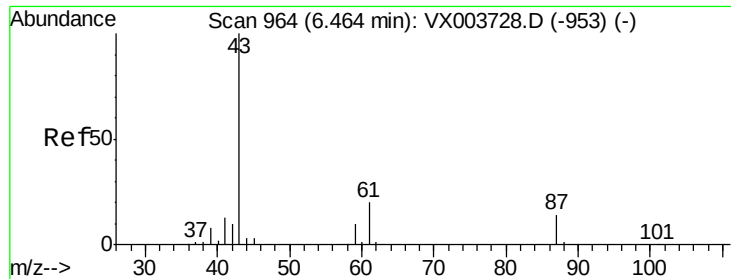
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#42
1,2-Dichloroethane
Concen: 57.25 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	20.4	





#43

Isopropyl Acetate

Concen: 51.51 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

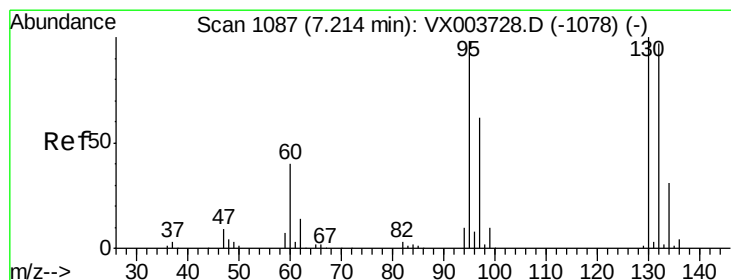
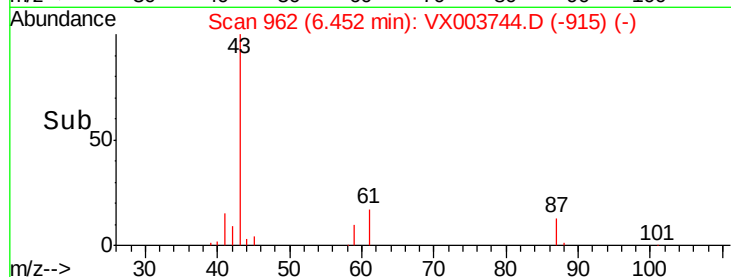
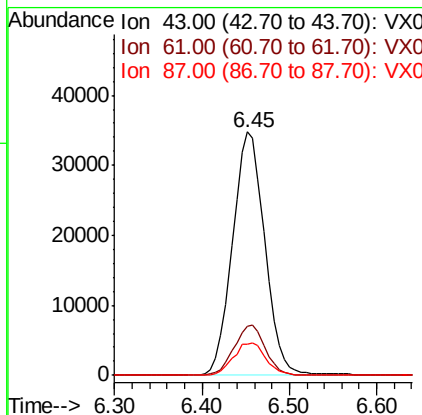
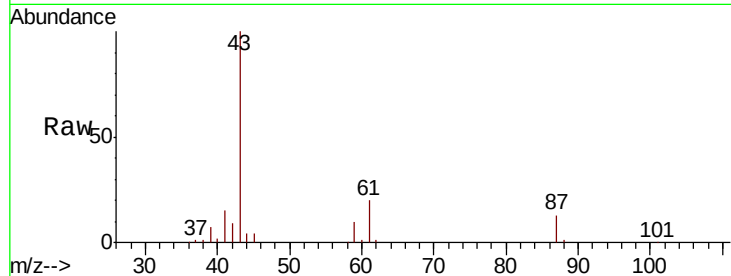
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	89424
Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.5	24.7
87	13.3	10.7	16.1

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#44

Trichloroethene

Concen: 48.32 ug/l

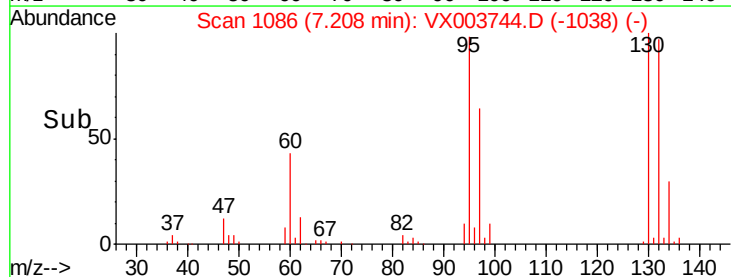
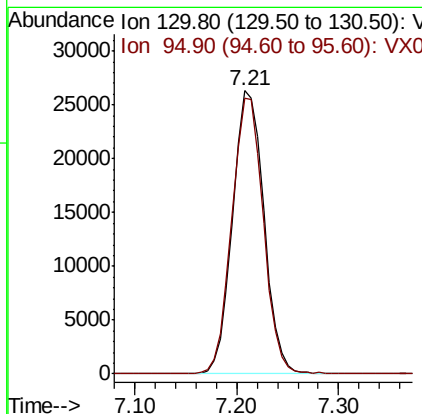
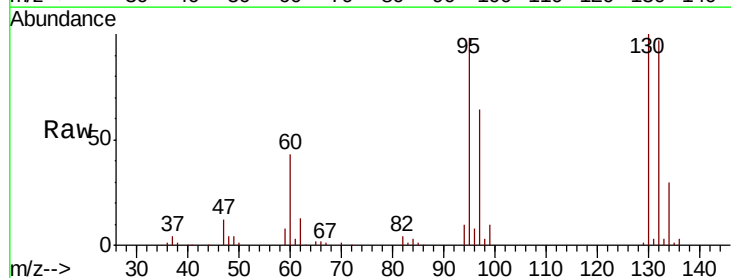
RT: 7.21 min Scan# 1086

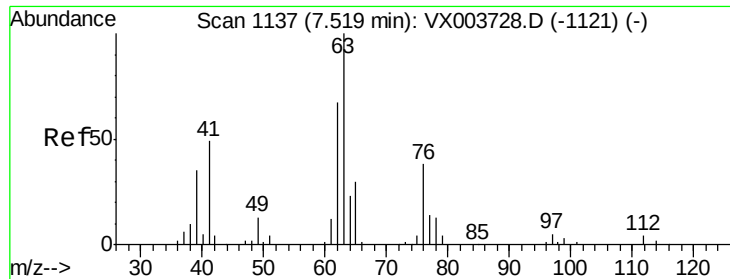
Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Tgt Ion:	130	Resp:	56023
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	196.2





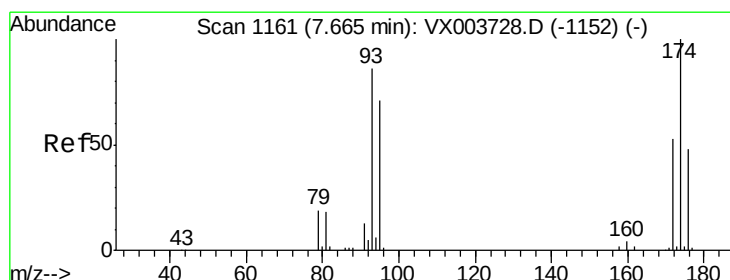
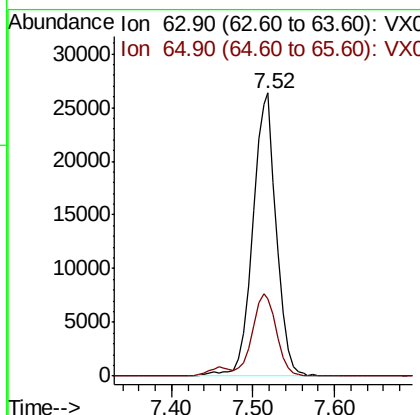
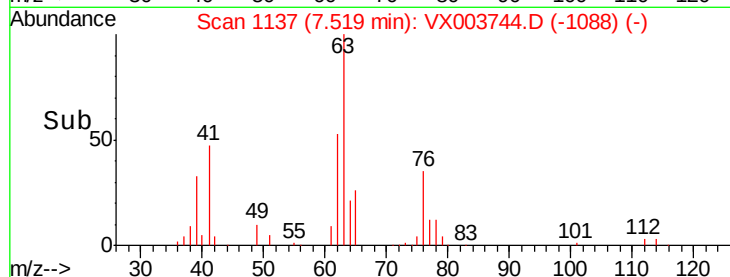
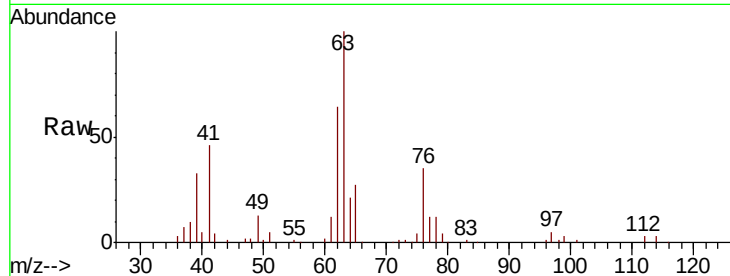
#45
1,2-Dichloropropane
Concen: 53.27 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 53245
Ion Ratio Lower Upper
63 100
65 27.3 23.7 35.5

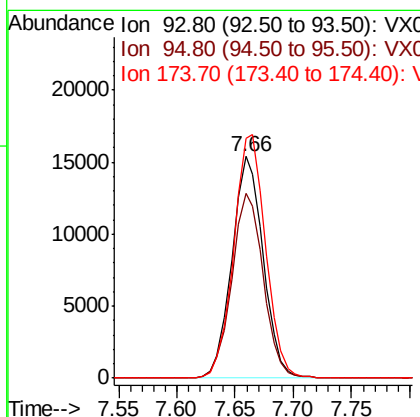
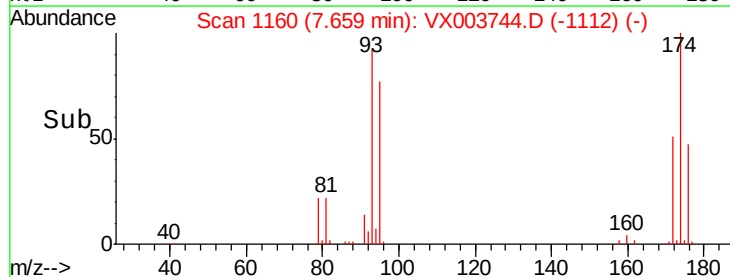
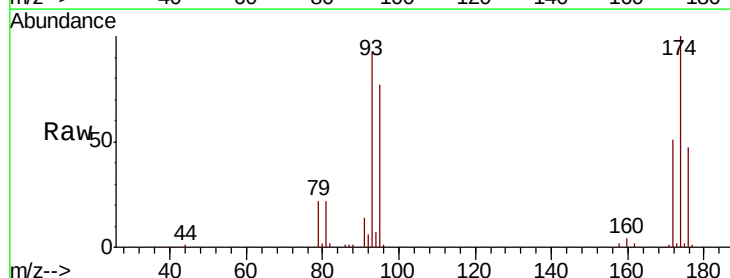
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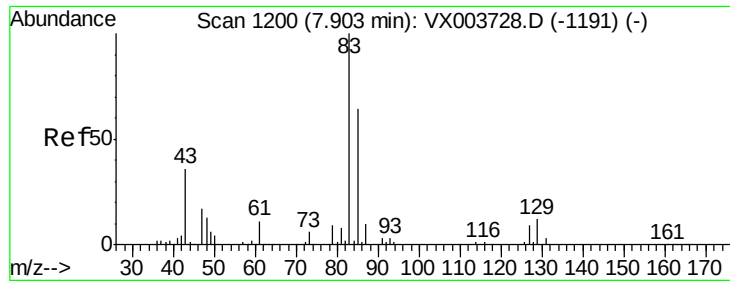
apatel
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#46
Dibromomethane
Concen: 50.01 ug/l
RT: 7.66 min Scan# 1160
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion: 93 Resp: 28806
Ion Ratio Lower Upper
93 100
95 83.9 68.1 102.1
174 111.9 96.2 144.4





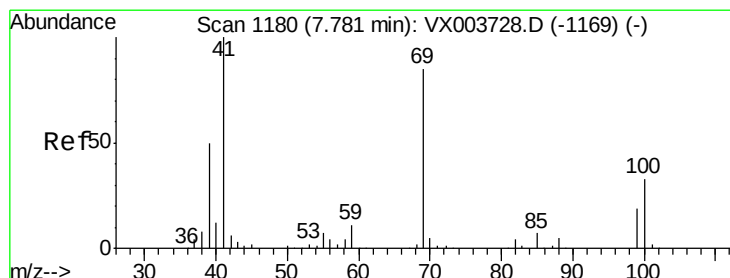
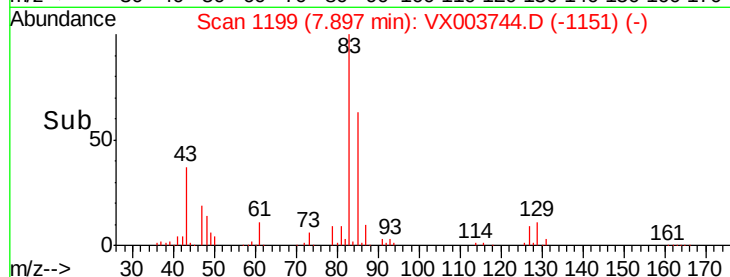
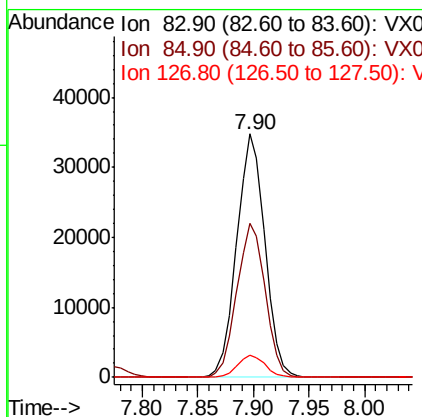
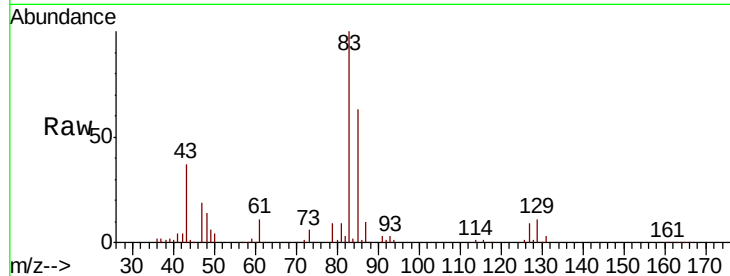
#47
Bromodichloromethane
Concen: 53.06 ug/l
RT: 7.90 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.1	76.7
127	9.0	7.1	10.7

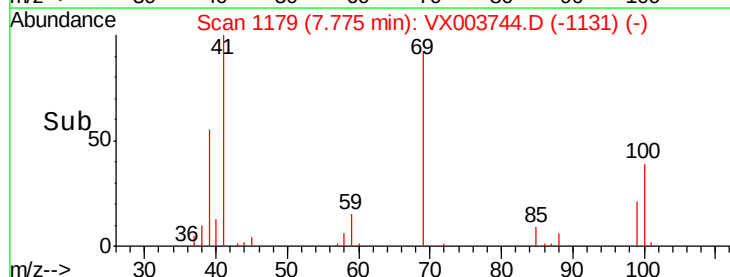
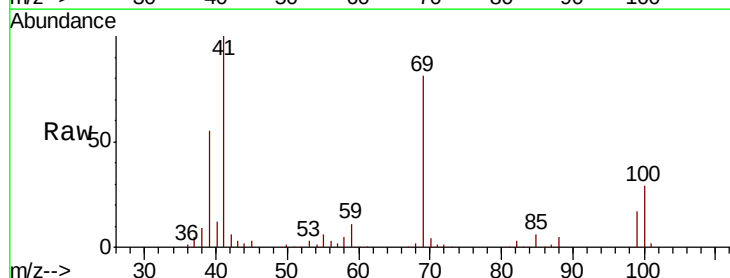
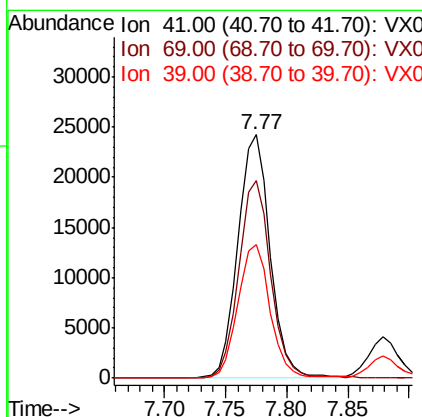
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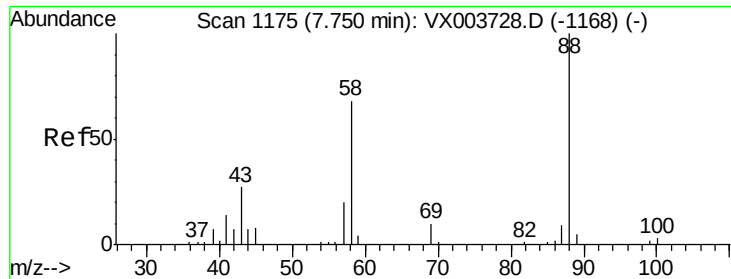
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#48
Methyl methacrylate
Concen: 50.80 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.6	68.7	103.1
39	55.2	40.8	61.2





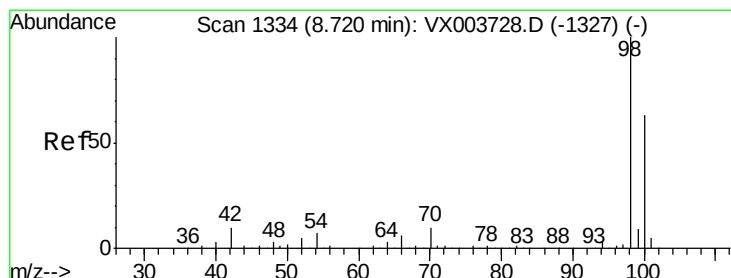
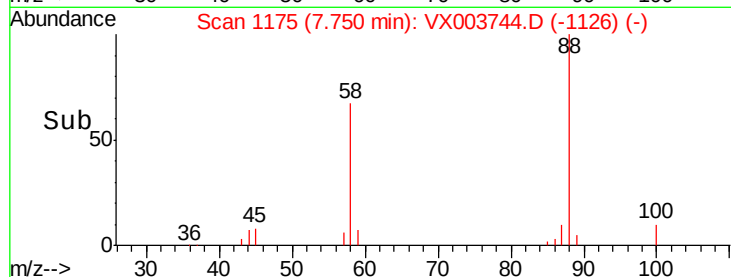
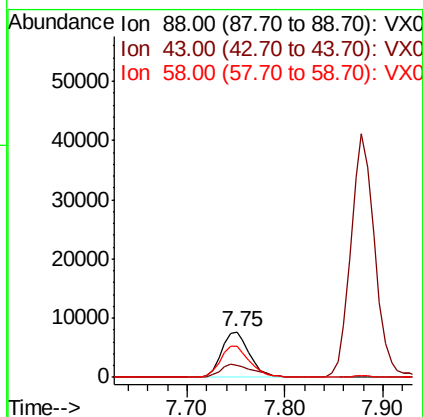
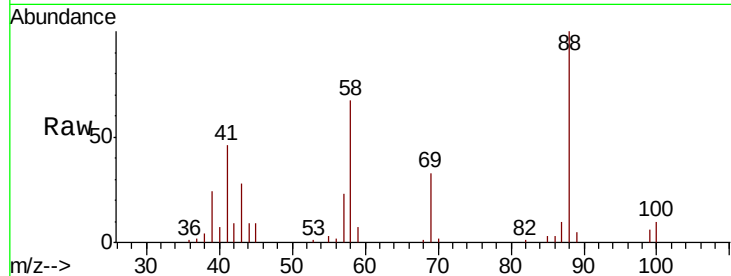
#49
1,4-Dioxane
Concen: 873.24 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	26.0	39.0
58	71.5	57.1	85.7

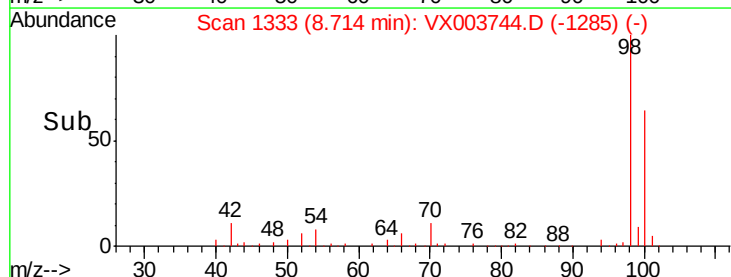
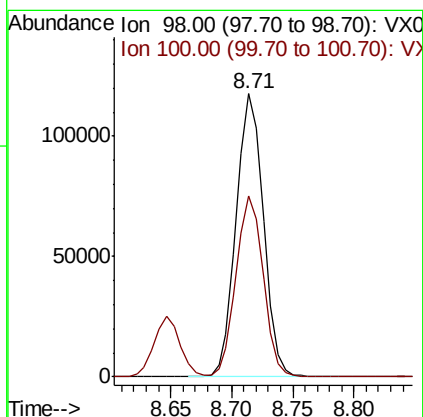
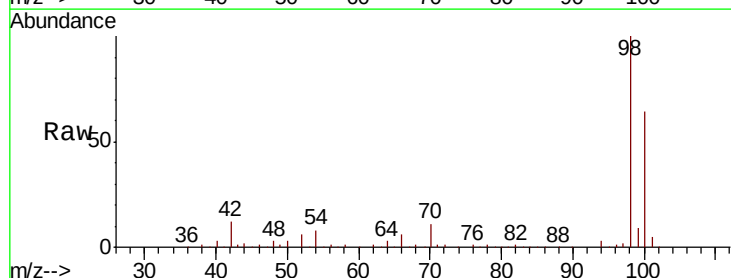
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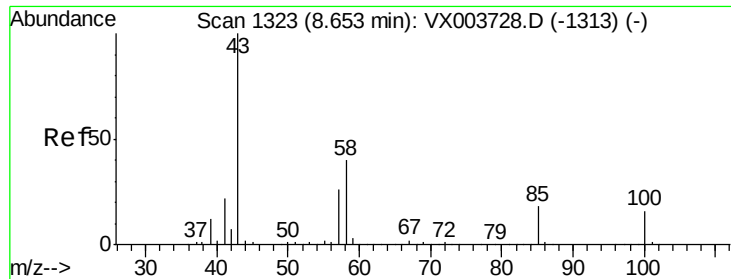
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#50
Toluene-d8
Concen: 48.69 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 245.64 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 262067

Ion Ratio Lower Upper

43 100

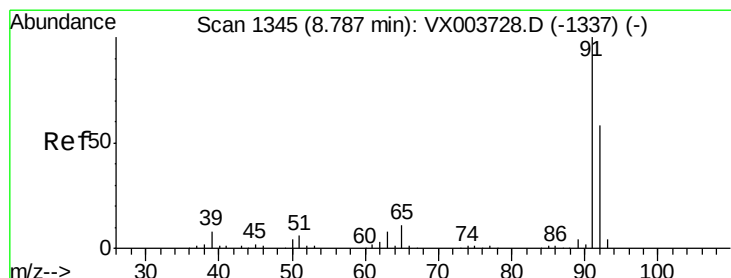
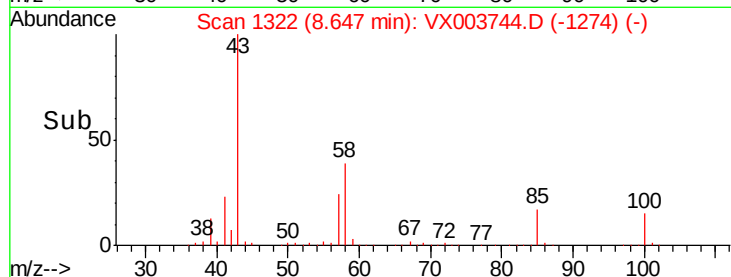
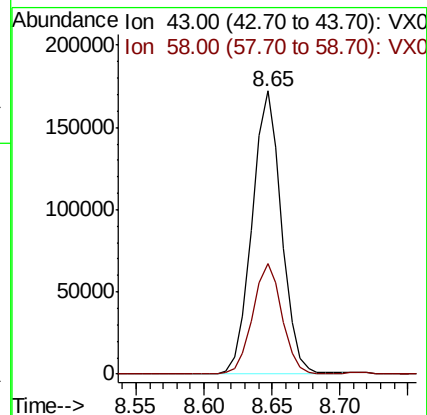
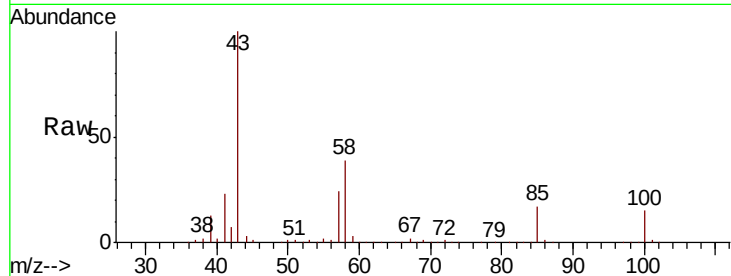
58 38.8 32.1 48.1

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#52

Toluene

Concen: 51.07 ug/l

RT: 8.78 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VX003744.D

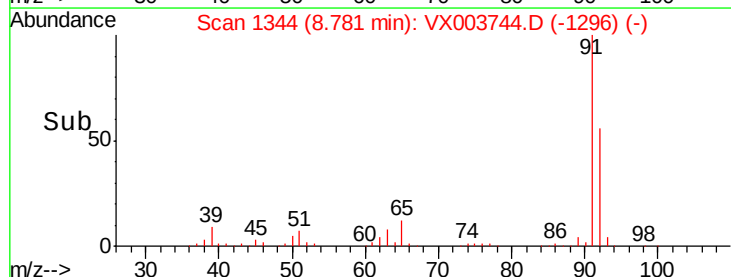
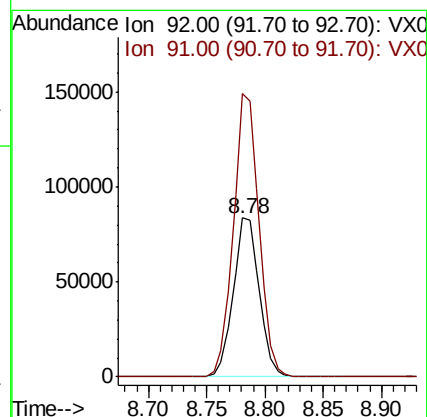
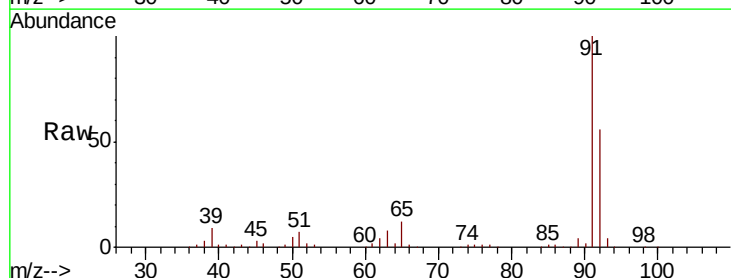
Acq: 31 Jul 2018 11:43

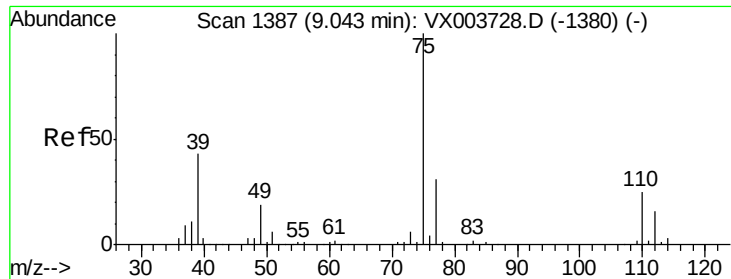
Tgt Ion: 92 Resp: 129490

Ion Ratio Lower Upper

92 100

91 176.1 139.4 209.2





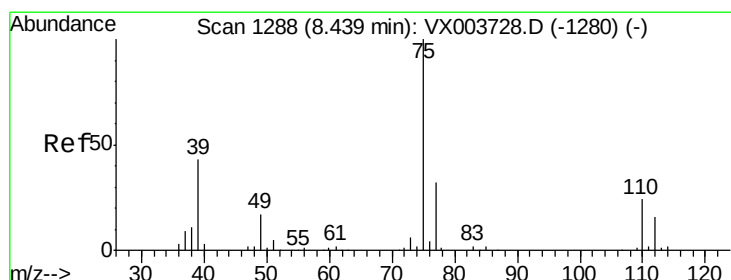
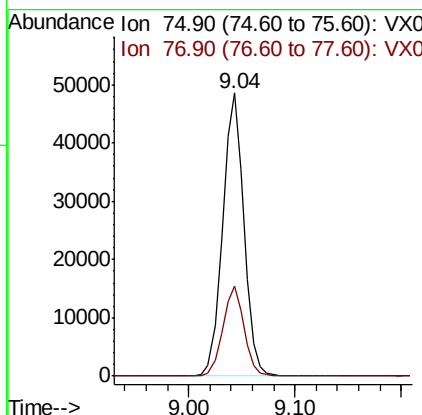
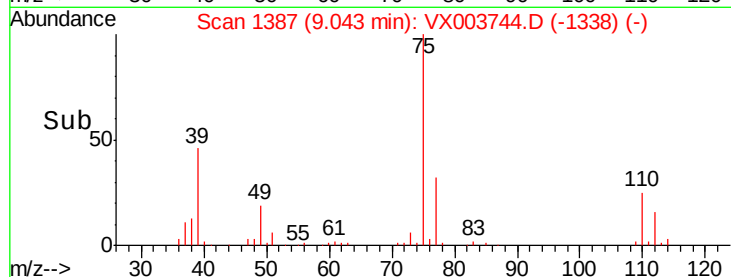
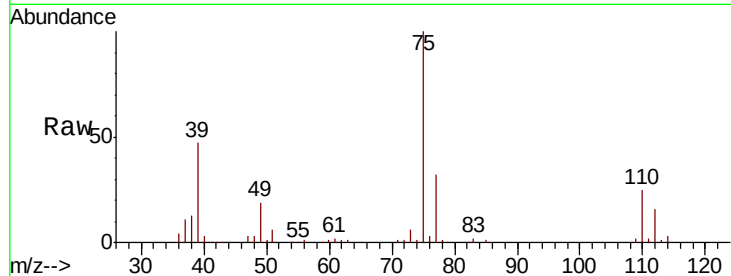
#53
t-1,3-Dichloropropene
Concen: 51.41 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 67399
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3

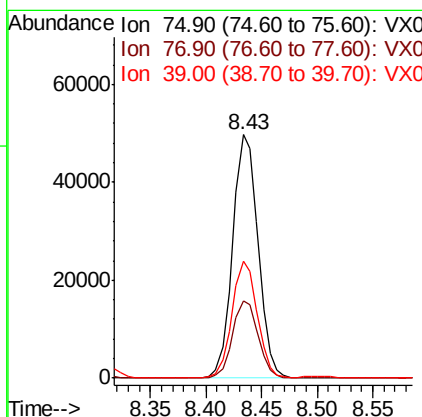
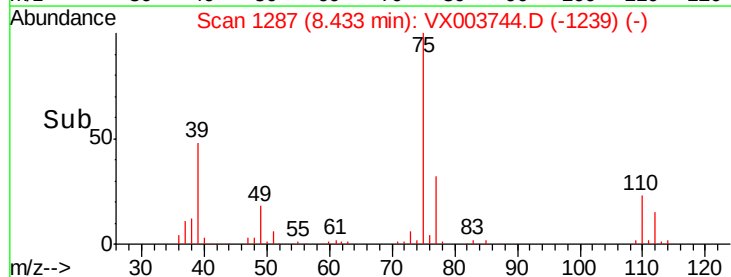
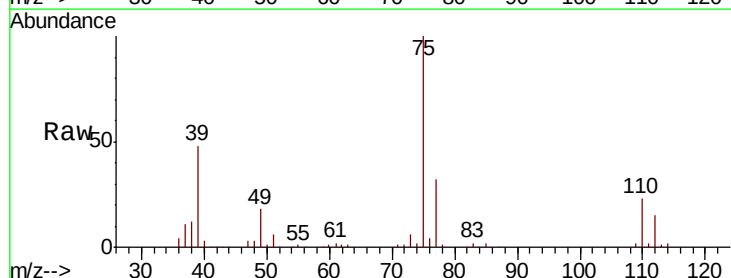
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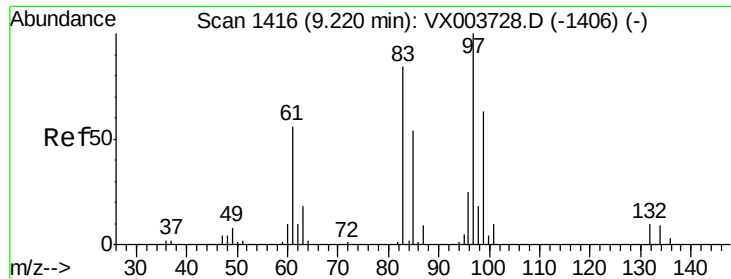
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#54
cis-1,3-Dichloropropene
Concen: 53.71 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion: 75 Resp: 78486
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9
39 48.1 34.1 51.1





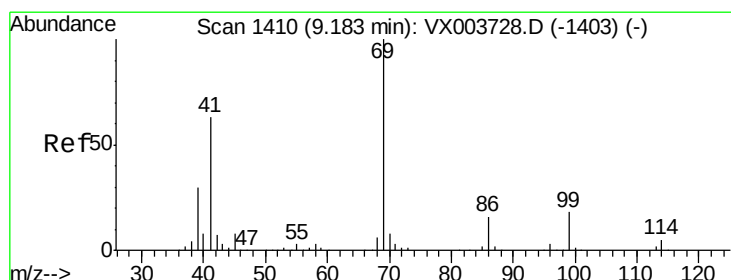
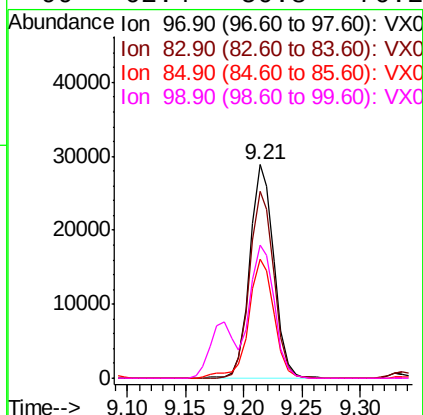
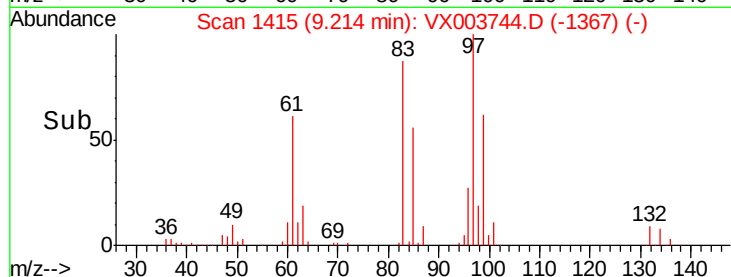
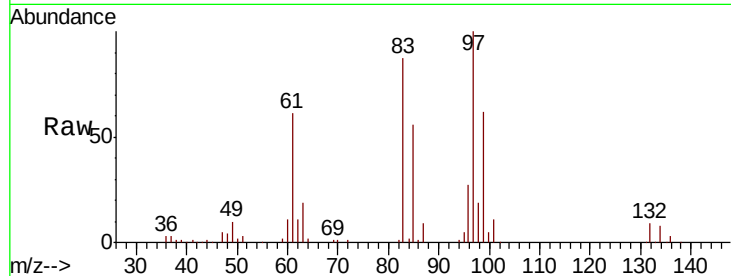
#55
 1,1,2-Trichloroethane
 Concen: 47.90 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	41800
Ion	Ratio	Lower	Upper
97	100		
83	87.4	67.4	101.0
85	55.9	43.3	64.9
99	62.4	50.8	76.2

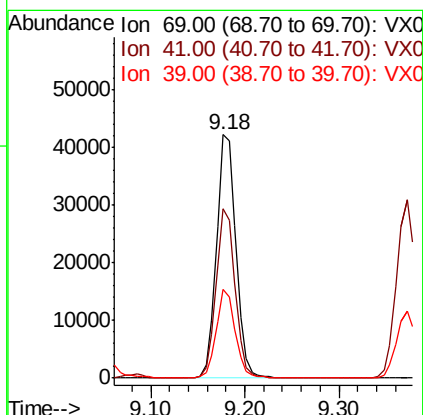
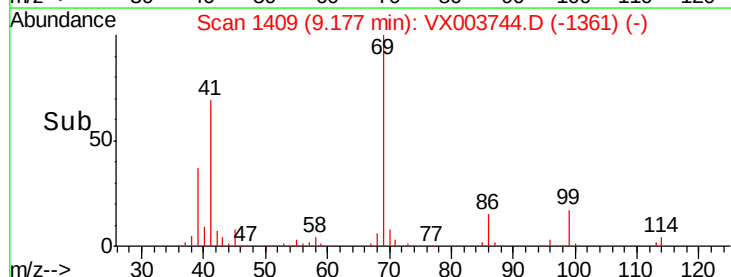
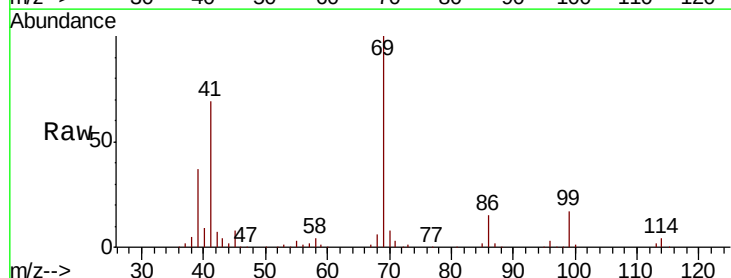
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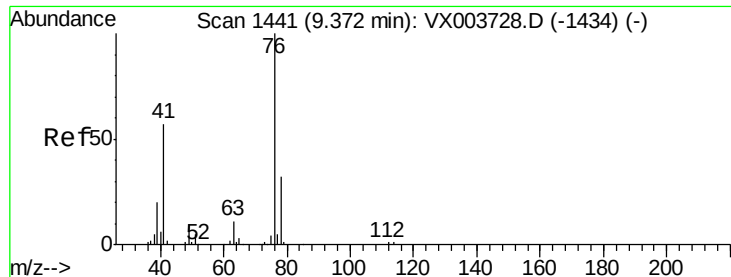
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#56
 Ethyl methacrylate
 Concen: 50.42 ug/l
 RT: 9.18 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Tgt Ion:	69	Resp:	60429
Ion	Ratio	Lower	Upper
69	100		
41	68.3	51.6	77.4
39	36.0	25.1	37.7





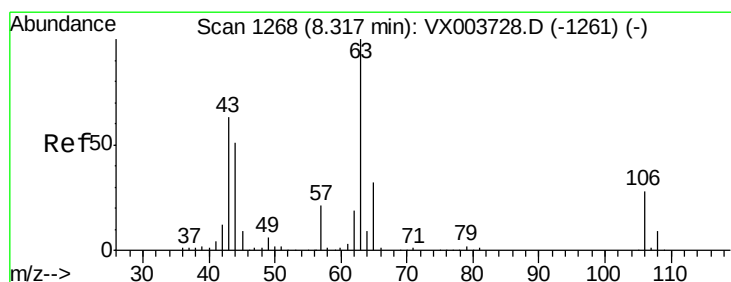
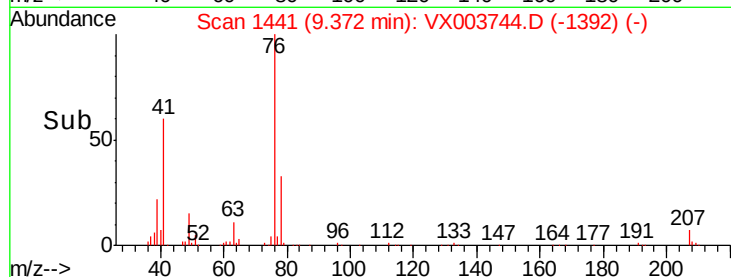
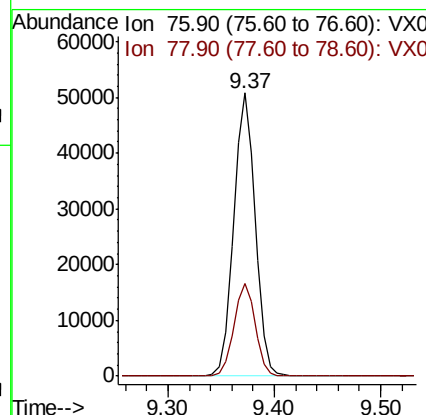
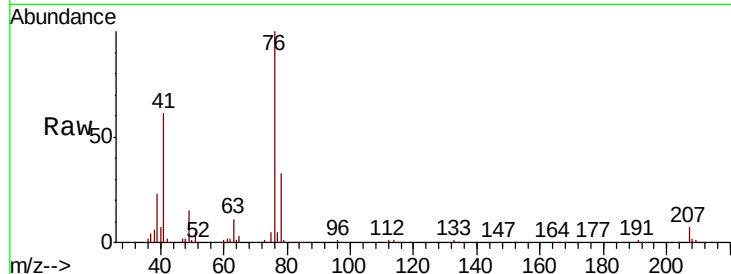
#57
 1,3-Dichloropropane
 Concen: 49.27 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 72178
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

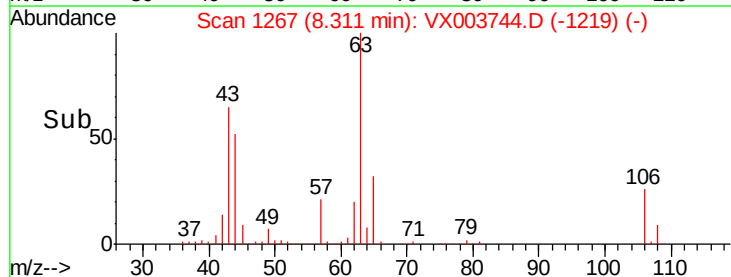
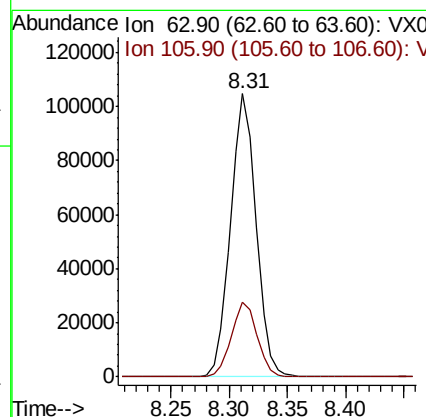
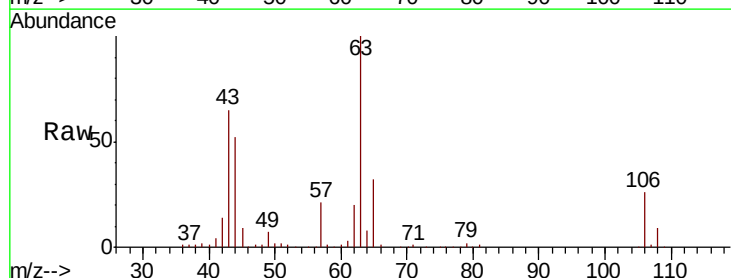
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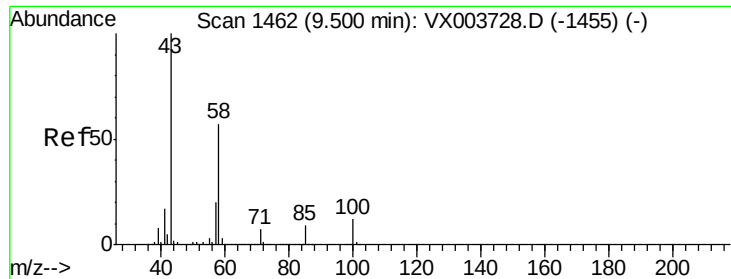
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#58
 2-Chloroethyl Vinyl ether
 Concen: 250.04 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Tgt Ion: 63 Resp: 159943
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.5 33.7





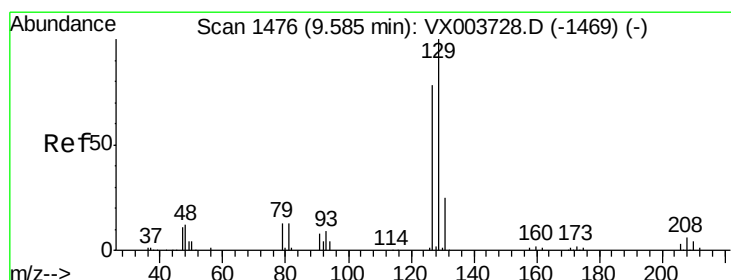
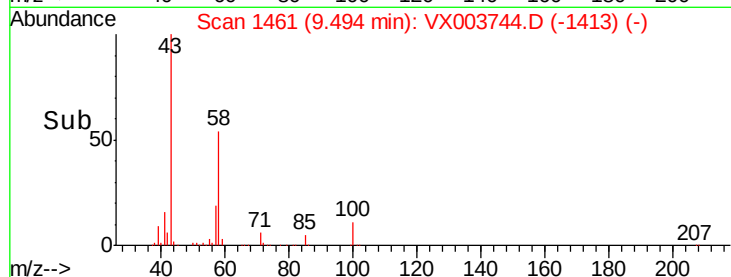
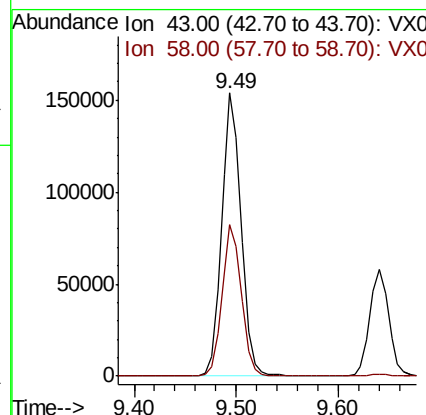
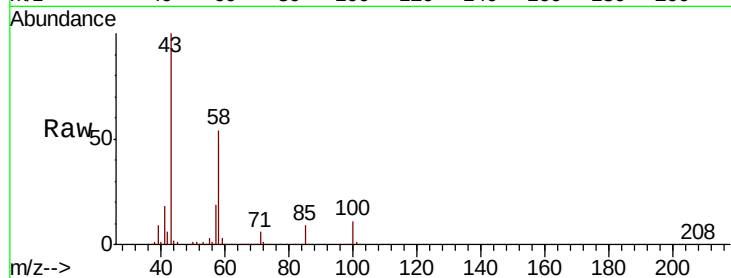
#59
2-Hexanone
Concen: 253.52 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	28.0	83.9

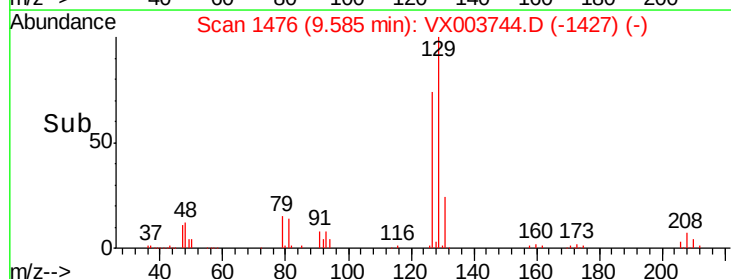
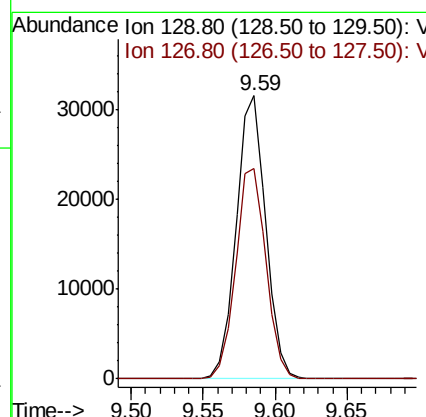
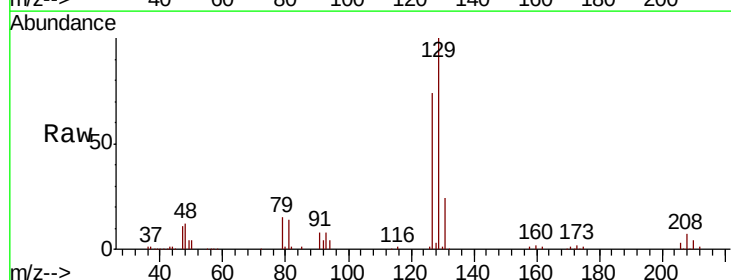
Manual Integrations
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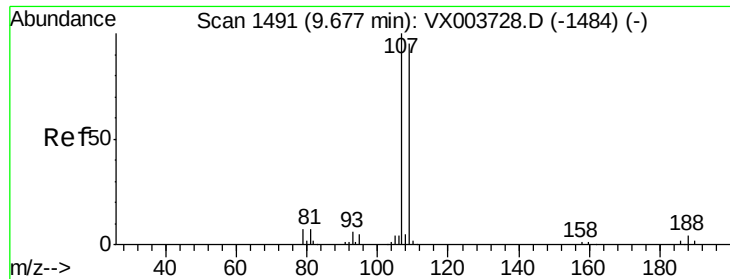
apatel
8/1/2018 5:37:33 PM



#60
Dibromochloromethane
Concen: 51.42 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.8	116.4





#61

1,2-Dibromoethane

Concen: 52.73 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 46980

Ion Ratio Lower Upper

107 100

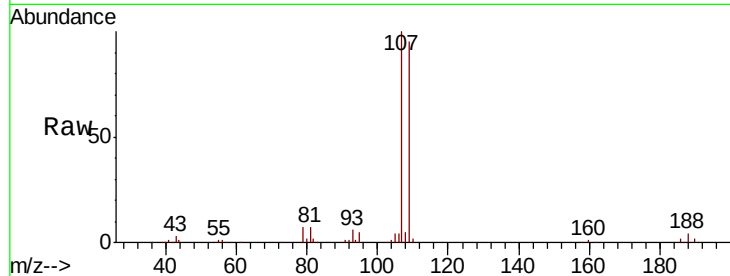
109 95.3 75.0 112.6

Manual Integrations

APPROVED

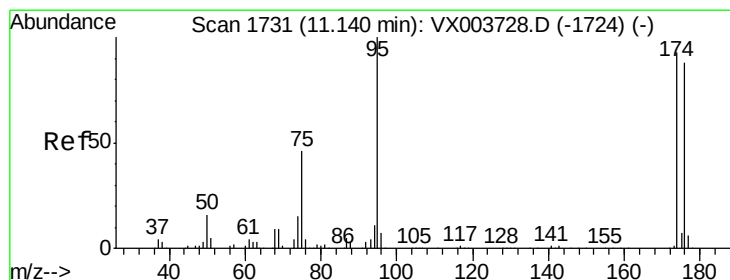
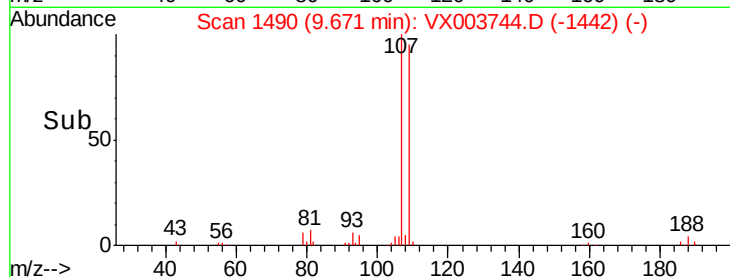
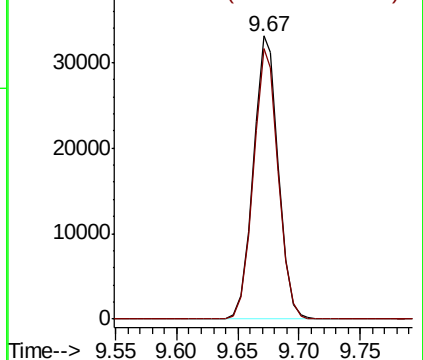
apatel

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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: 49.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

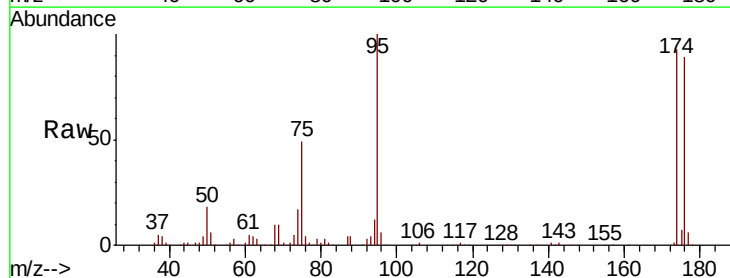
Tgt Ion: 95 Resp: 67393

Ion Ratio Lower Upper

95 100

174 88.1 0.0 186.2

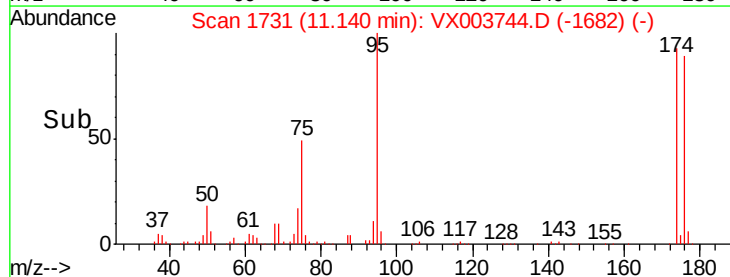
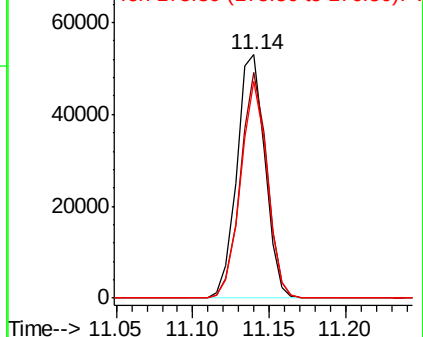
176 84.6 0.0 179.2

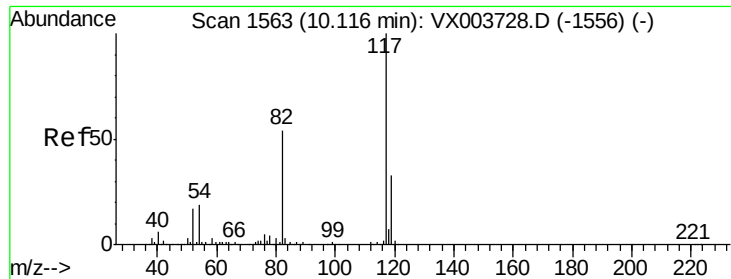


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





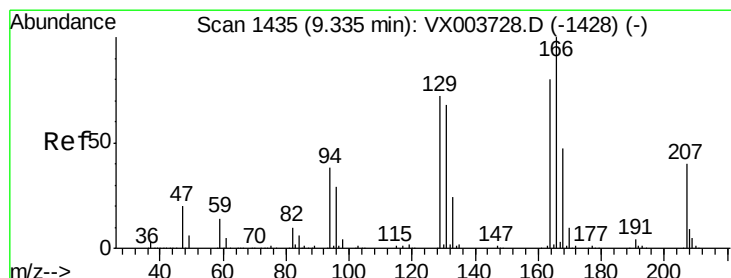
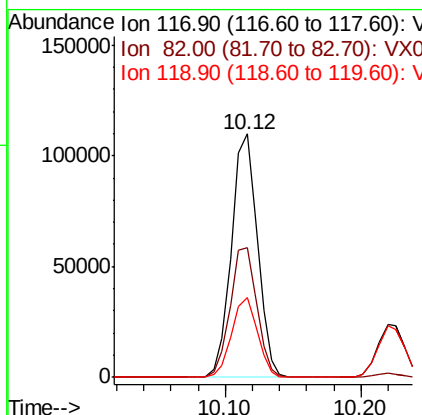
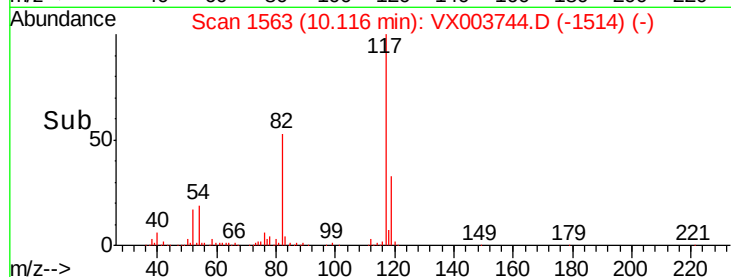
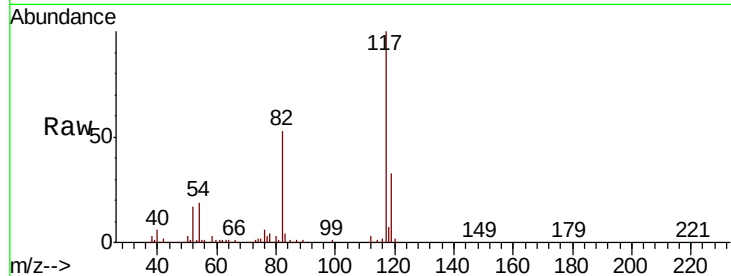
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.2	64.8
119	32.5	26.3	39.5

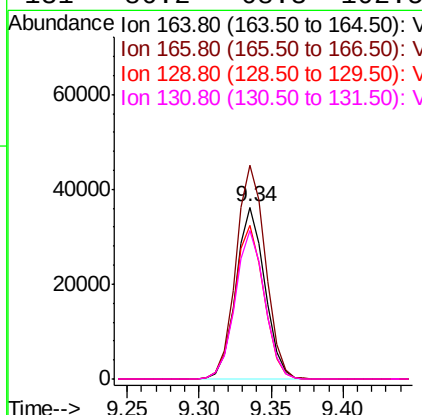
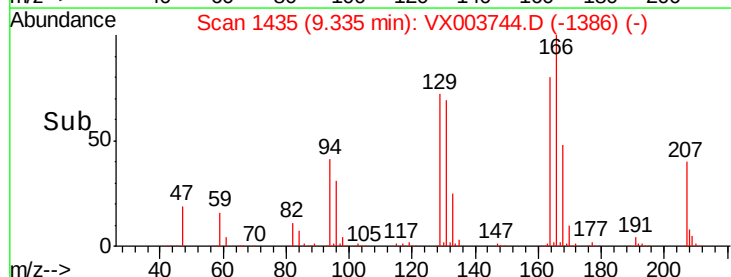
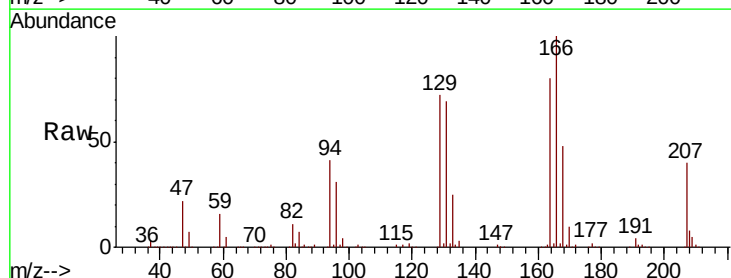
Manual Integrations
APPROVED

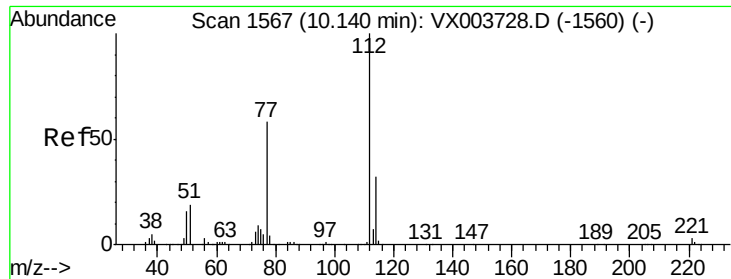
apatel
8/1/2018 5:37:33 PM



#64
Tetrachloroethene
Concen: 43.97 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	100.4	150.6
129	89.3	71.8	107.8
131	86.2	68.3	102.5





#65

Chlorobenzene

Concen: 49.14 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 150473

Ion Ratio Lower Upper

112 100

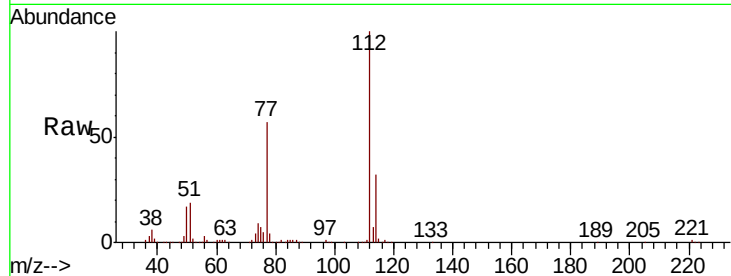
114 32.4 25.7 38.5

Manual Integrations

APPROVED

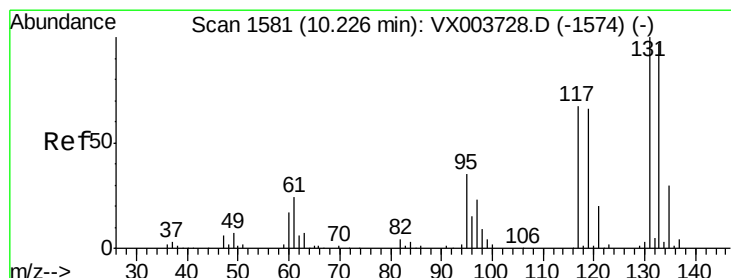
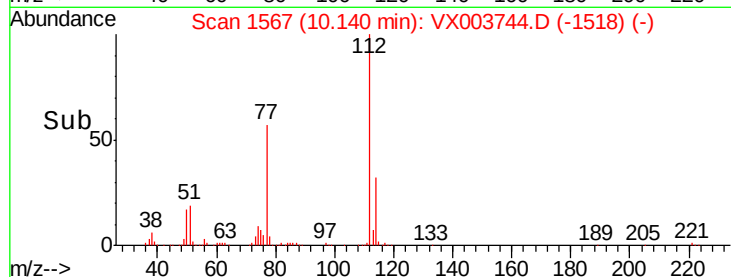
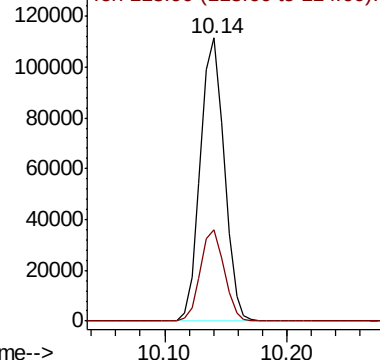
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.43 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

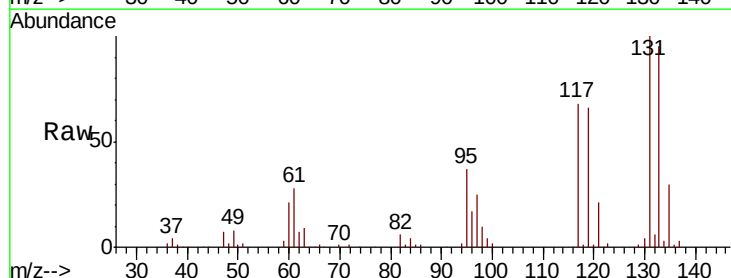
Tgt Ion:131 Resp: 49360

Ion Ratio Lower Upper

131 100

133 94.7 47.6 142.9

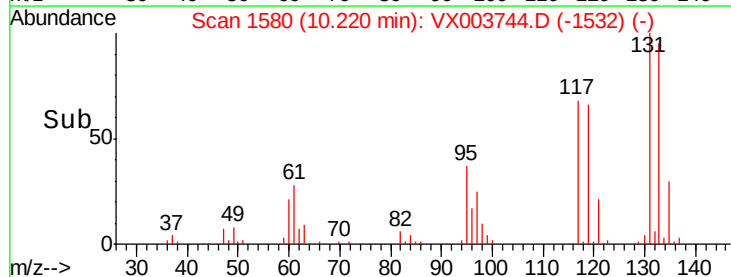
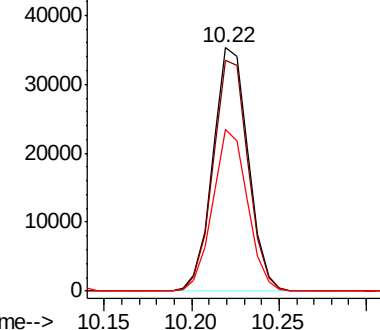
119 65.4 32.8 98.3

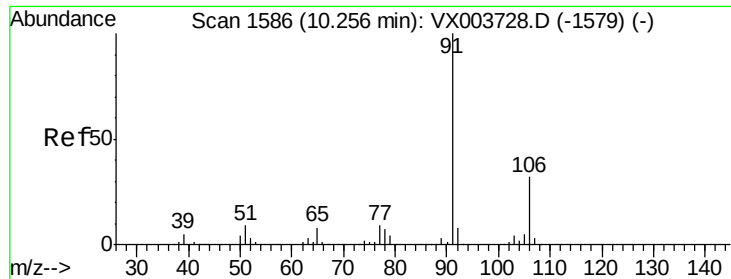


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.39 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 255402

Ion Ratio Lower Upper

91 100

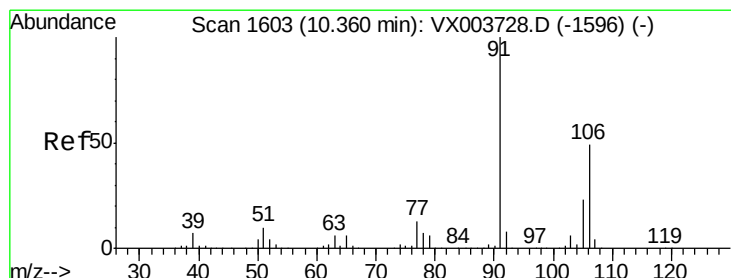
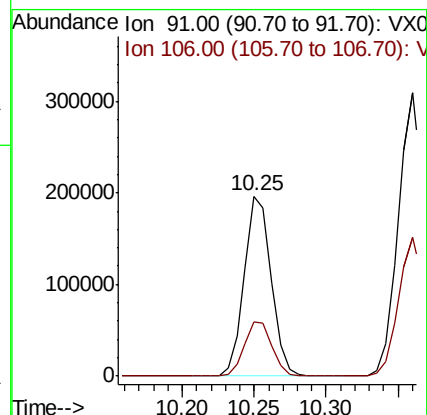
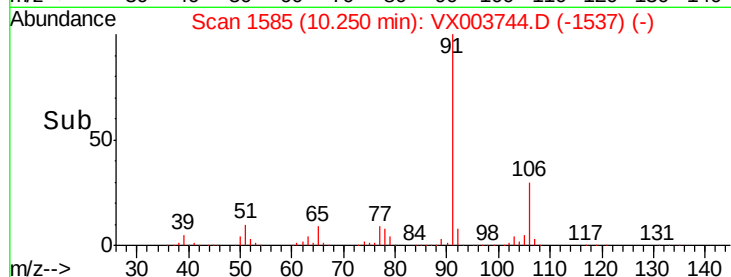
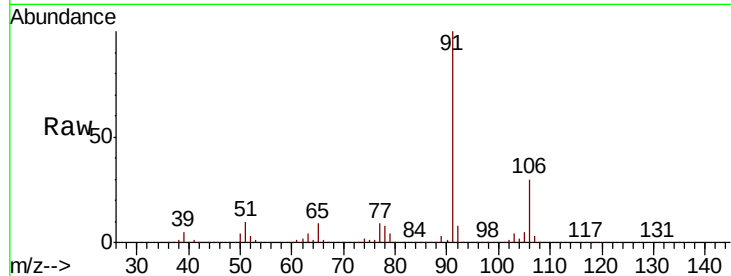
106 30.4 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.16 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003744.D

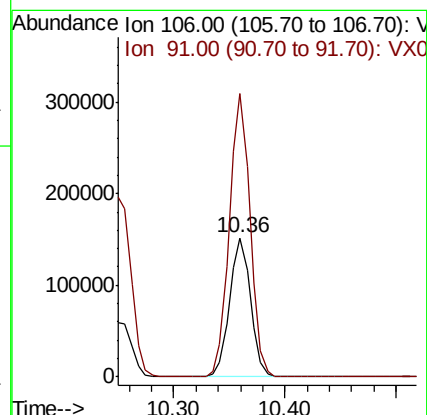
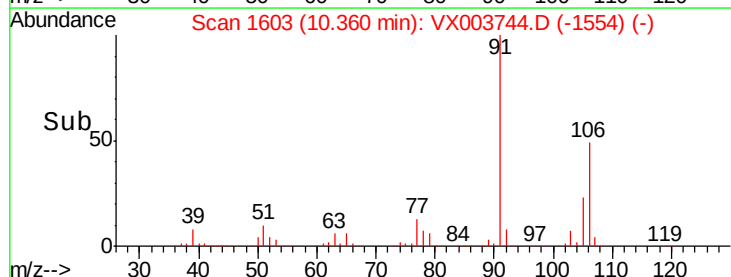
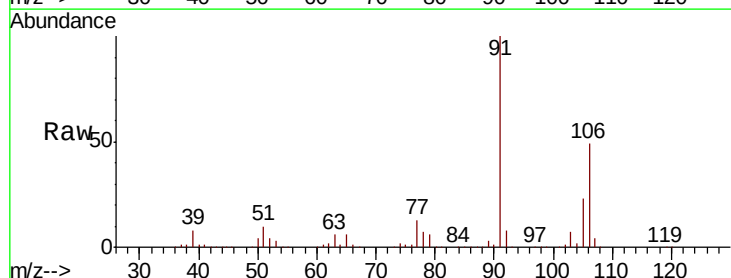
Acq: 31 Jul 2018 11:43

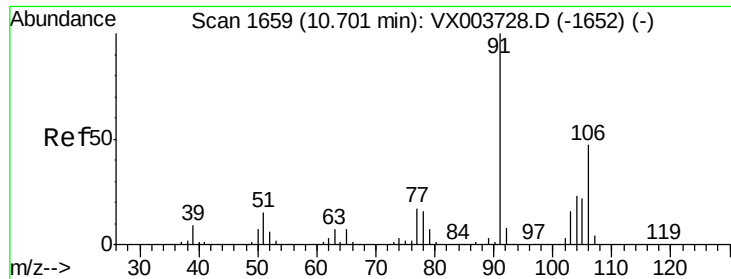
Tgt Ion: 106 Resp: 196526

Ion Ratio Lower Upper

106 100

91 202.8 159.8 239.8





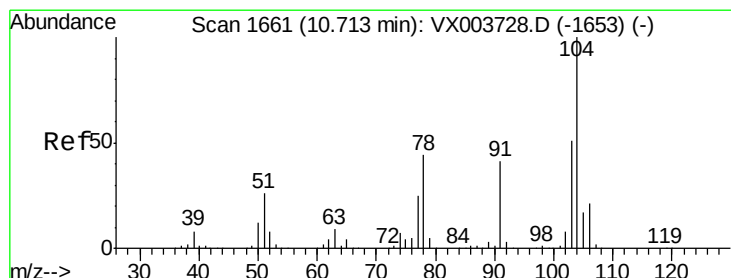
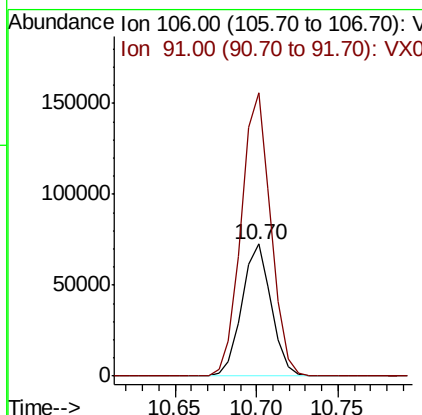
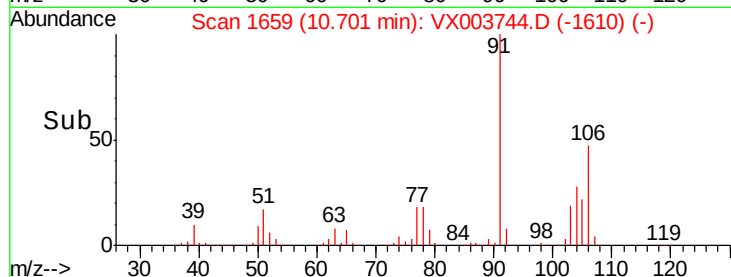
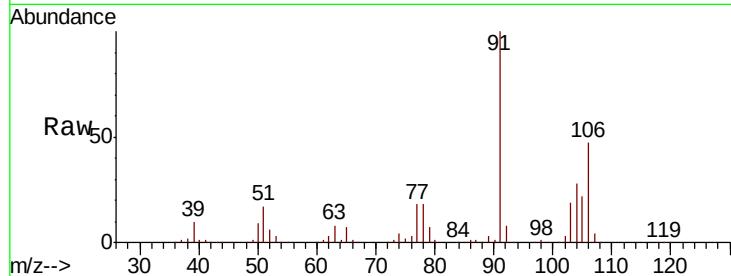
#69
o-Xylene
Concen: 48.47 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 91033
Ion Ratio Lower Upper
106 100
91 216.1 105.6 316.8

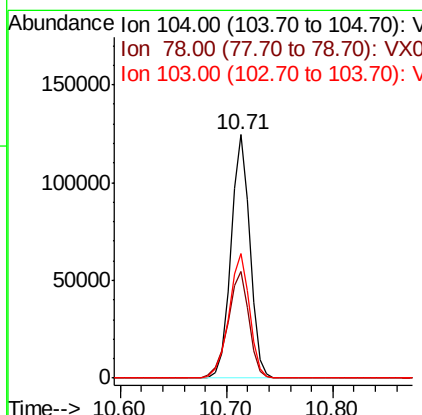
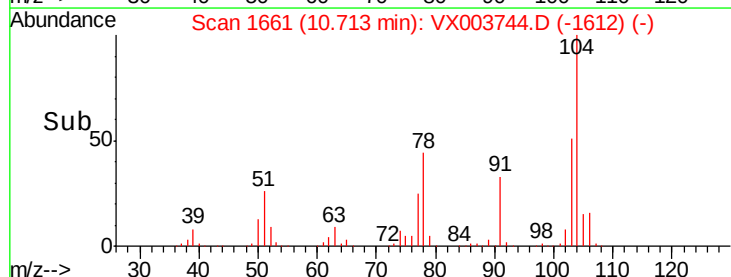
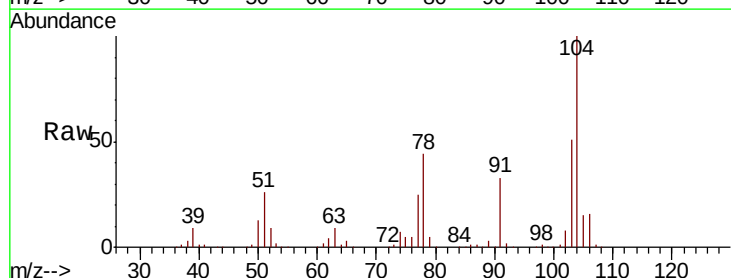
Manual Integrations
APPROVED

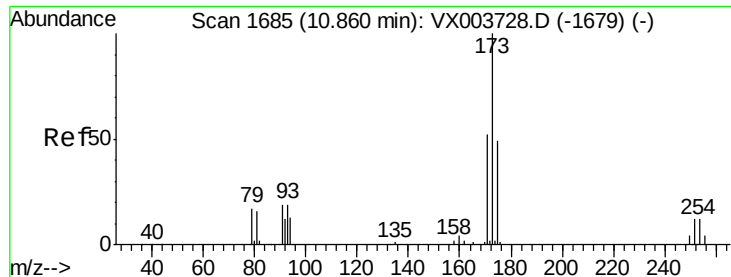
apatel
8/1/2018 5:37:33 PM



#70
Styrene
Concen: 49.17 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion:104 Resp: 155380
Ion Ratio Lower Upper
104 100
78 48.7 38.2 57.2
103 55.6 44.5 66.7





#71

Bromoform

Concen: 47.00 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 32273

Ion Ratio Lower Upper

173 100

175 48.6 24.9 74.6

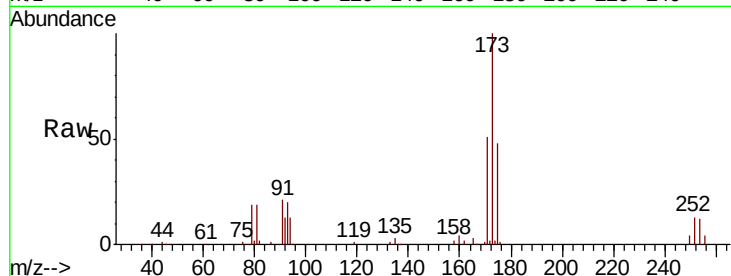
254 0.0 0.0 0.0

Manual Integrations

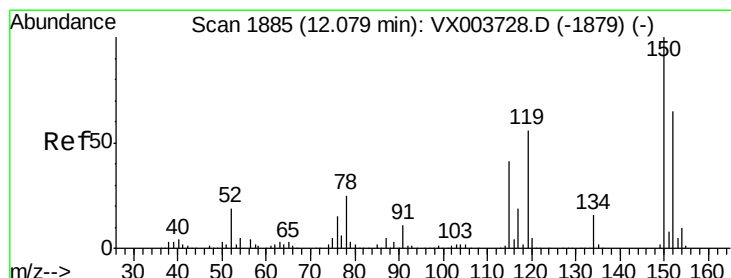
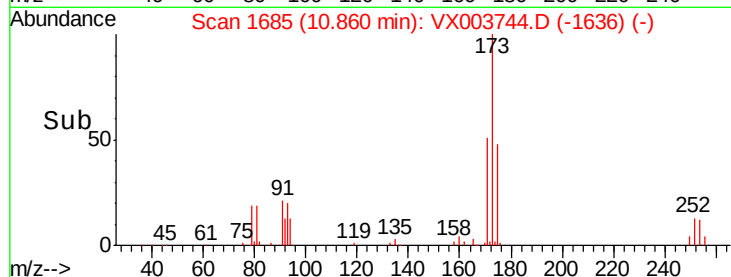
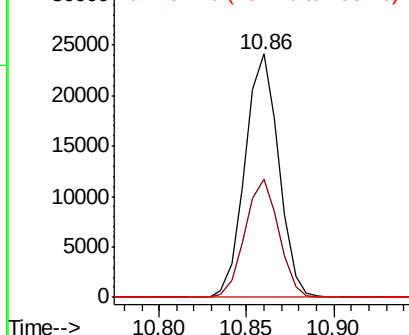
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

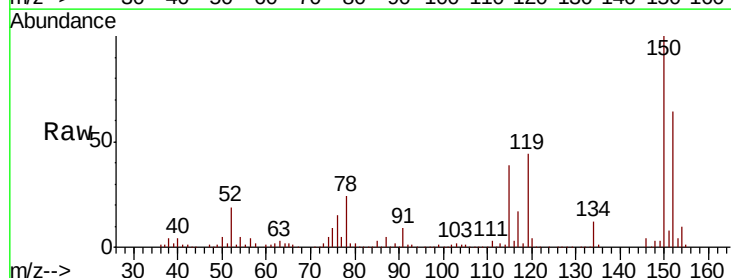
Tgt Ion:152 Resp: 79934

Ion Ratio Lower Upper

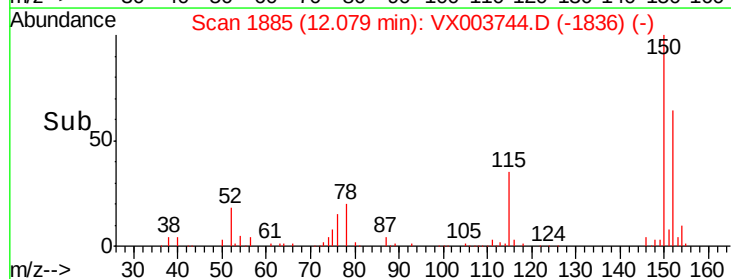
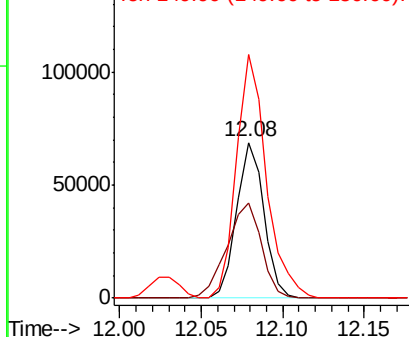
152 100

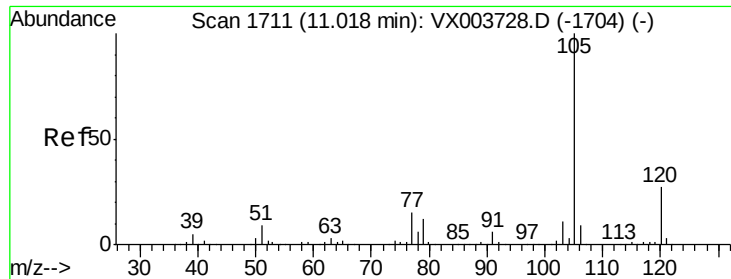
115 77.1 38.5 115.3

150 172.2 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.73 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 248856

Ion Ratio Lower Upper

105 100

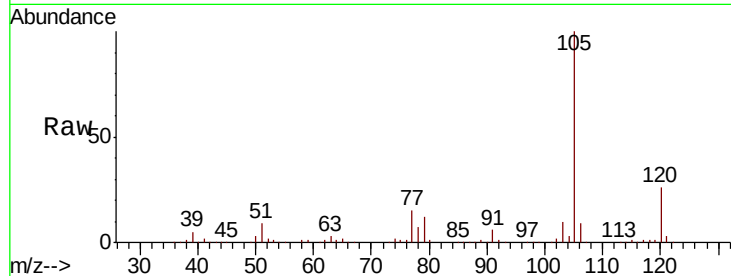
120 26.2 13.5 40.5

Manual Integrations

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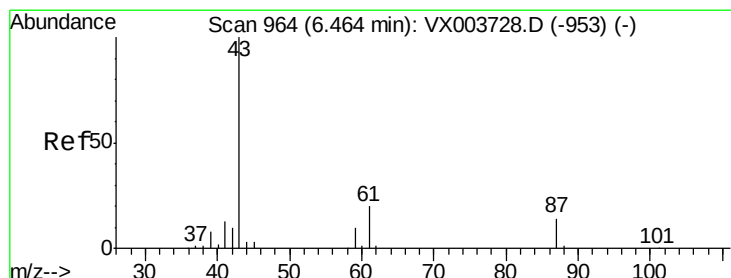
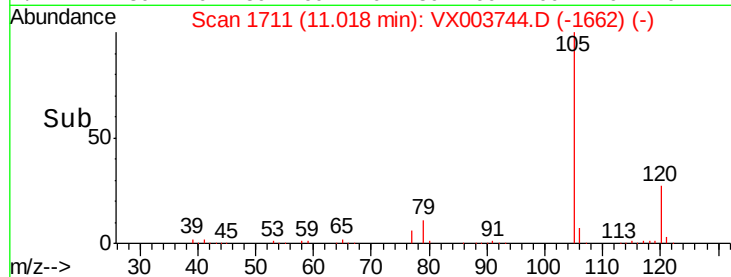
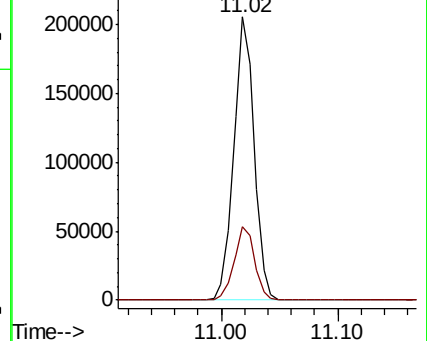
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.42 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Tgt Ion: 43 Resp: 89424

Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.9 28.3#

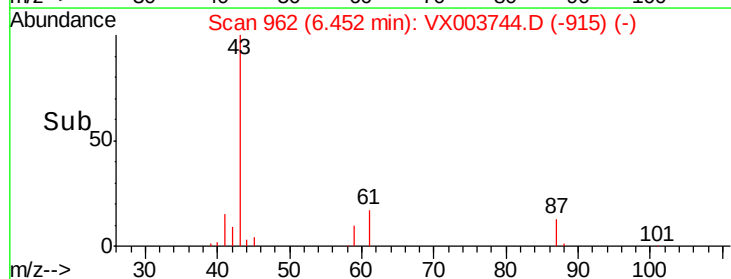
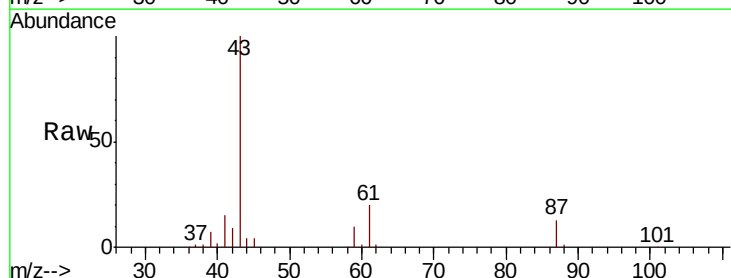
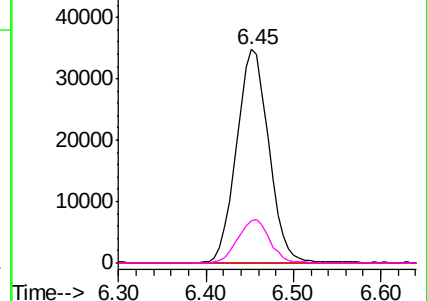
61 20.0 17.8 26.8

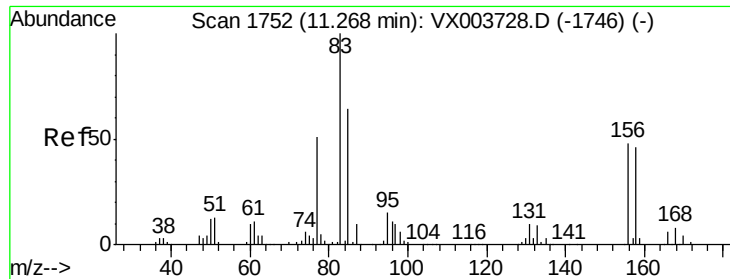
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.38 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

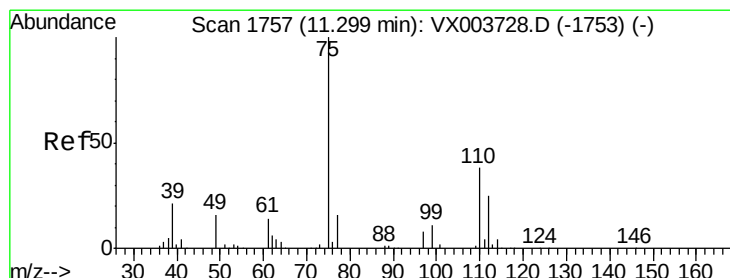
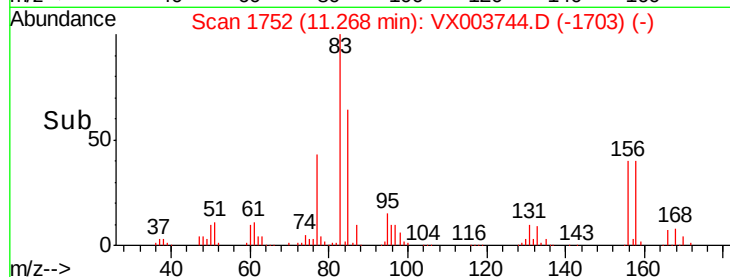
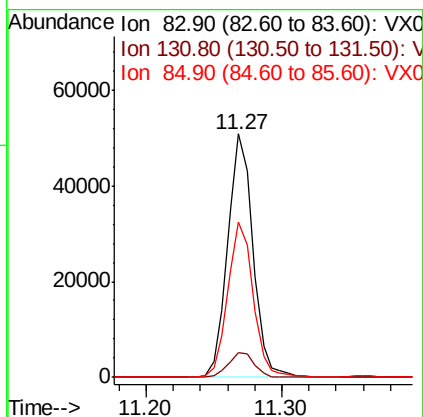
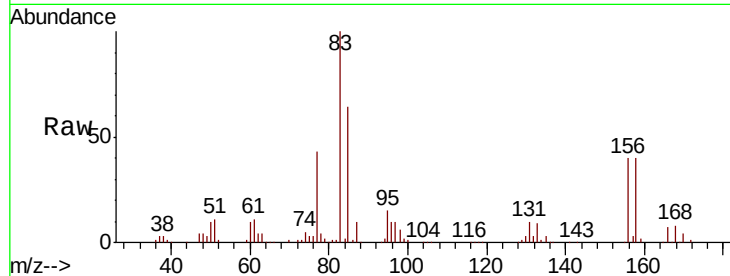
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	65548
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.2	32.0	96.2

Manual Integrations
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apatel
8/1/2018 5:37:33 PM



#76

1,2,3-Trichloropropane

Concen: 52.88 ug/l m

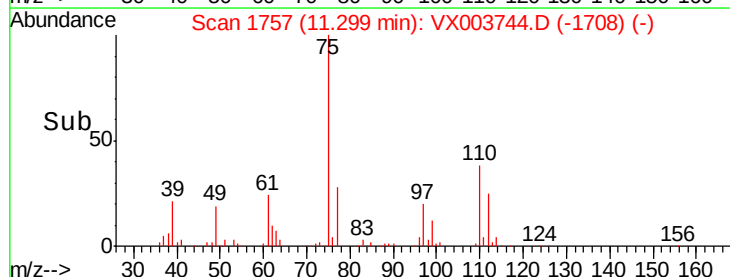
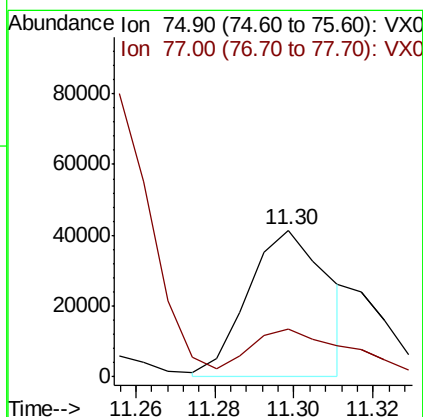
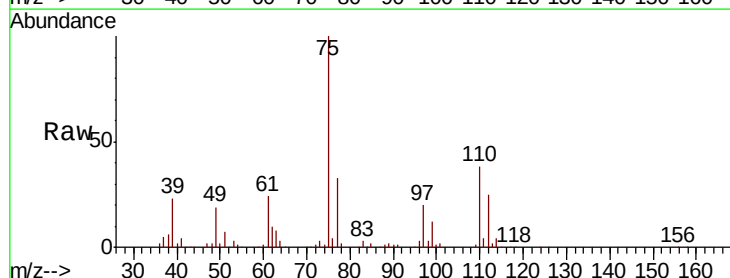
RT: 11.30 min Scan# 1757

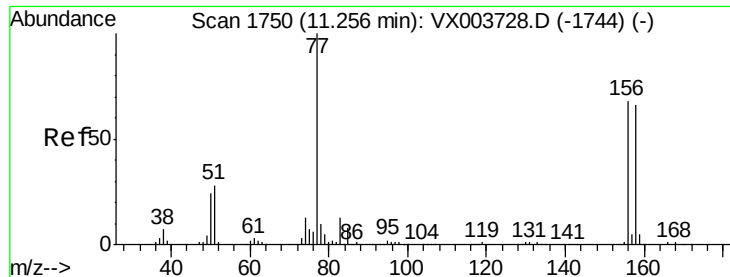
Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Tgt Ion:	75	Resp:	58260
Ion Ratio	Lower	Upper	
75	100		
77	41.7	21.6	65.0





#77

Bromobenzene

Concen: 52.18 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 68072

Ion Ratio Lower Upper

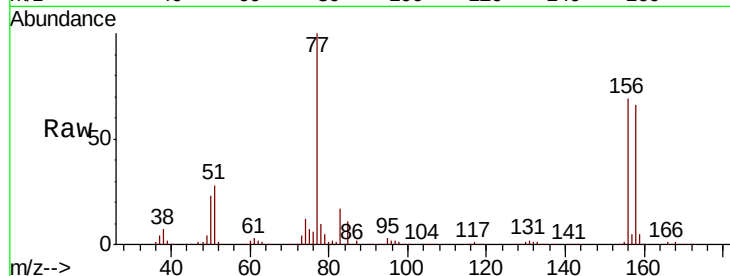
156 100

77 145.8 71.8 215.3

158 97.9 48.8 146.4

Manual Integrations
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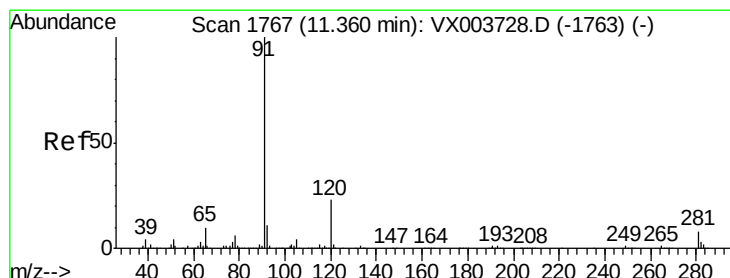
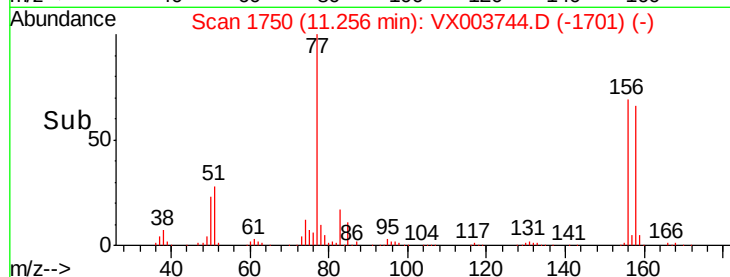
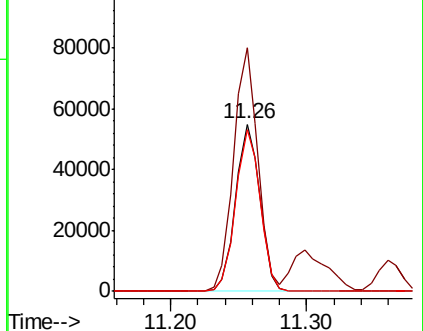
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.98 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003744.D

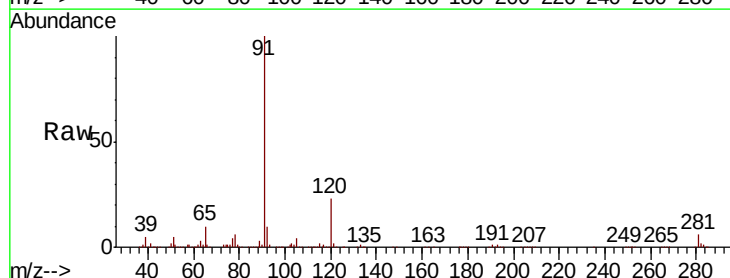
Acq: 31 Jul 2018 11:43

Tgt Ion: 91 Resp: 321213

Ion Ratio Lower Upper

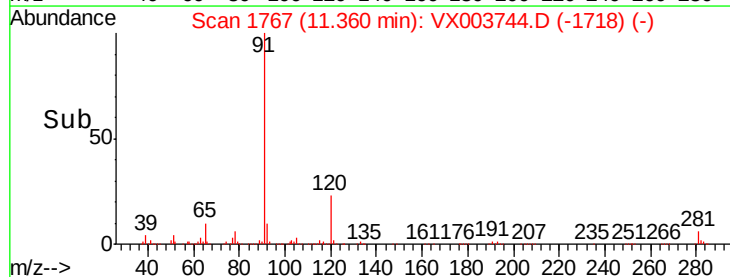
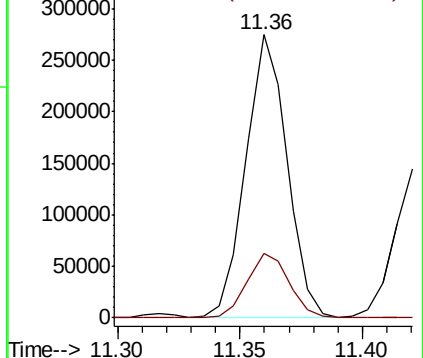
91 100

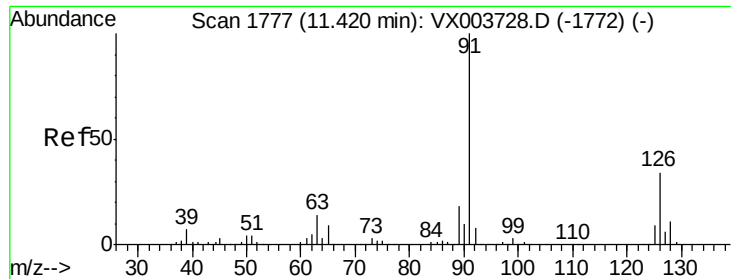
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.77 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 178194

Ion Ratio Lower Upper

91 100

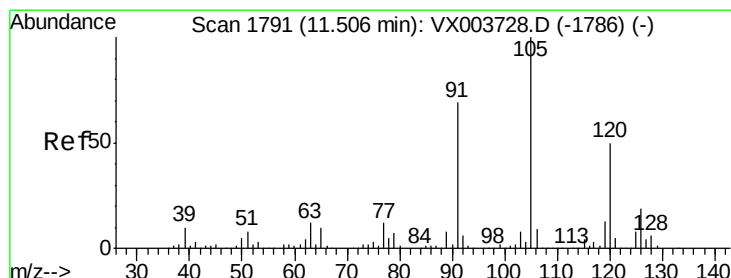
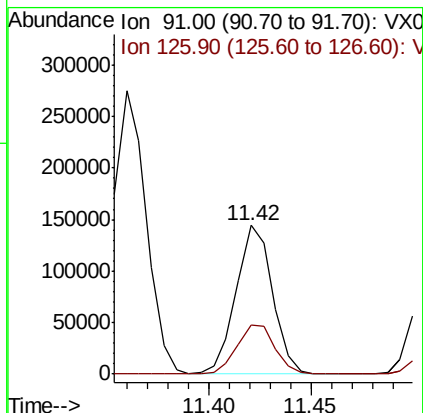
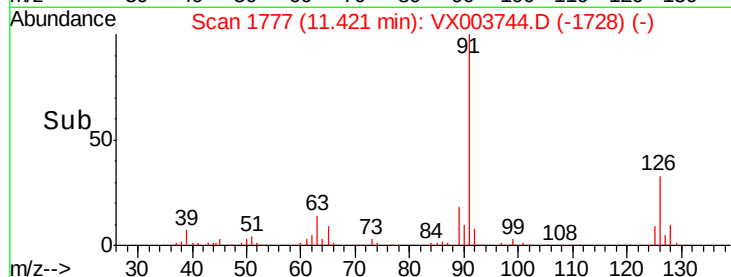
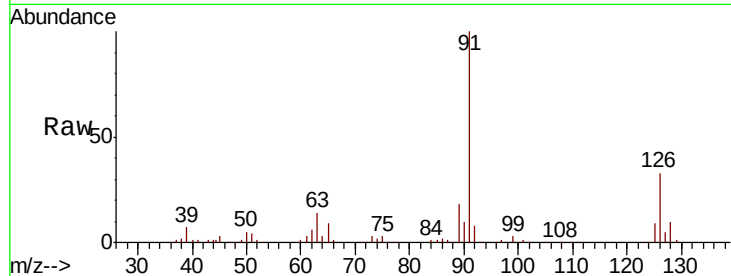
126 34.9 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.30 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003744.D

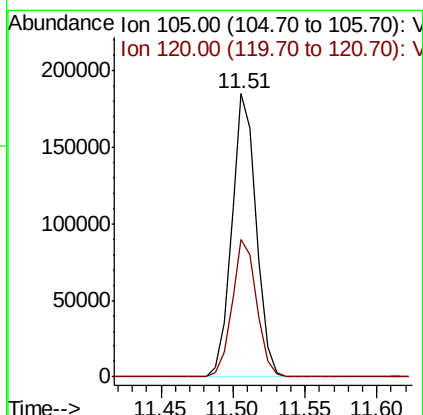
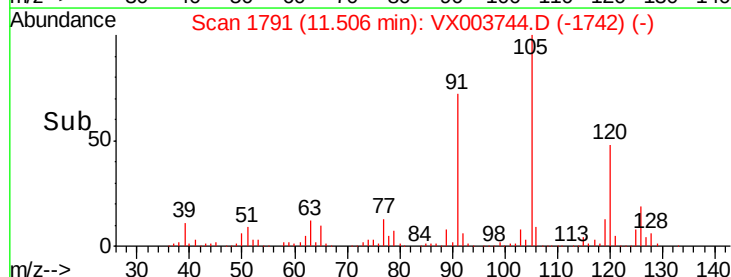
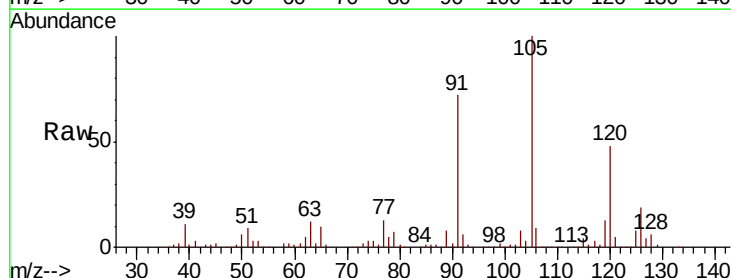
Acq: 31 Jul 2018 11:43

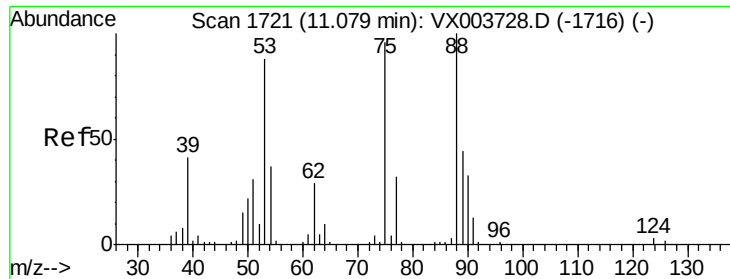
Tgt Ion: 105 Resp: 219120

Ion Ratio Lower Upper

105 100

120 48.8 15.8 47.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 51.53 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 19166

Ion Ratio Lower Upper

75 100

53 100.3 75.8 113.8

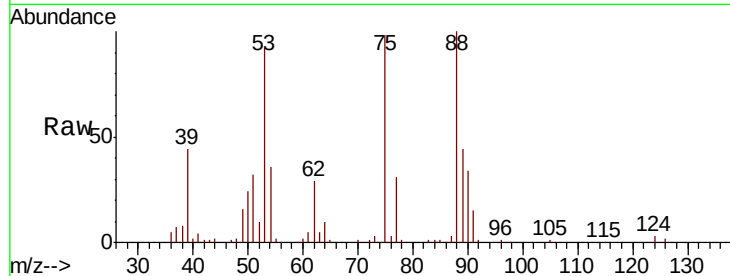
89 48.8 39.1 58.7

Manual Integrations

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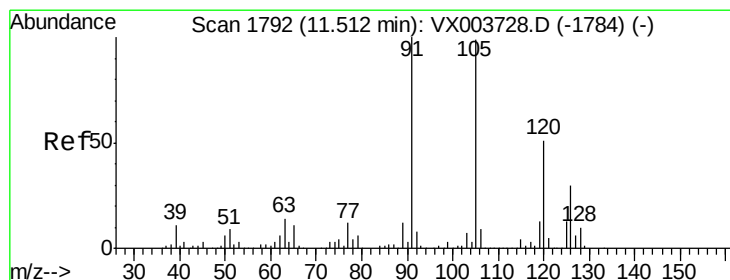
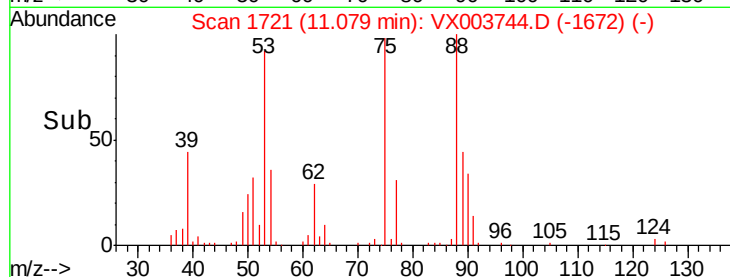
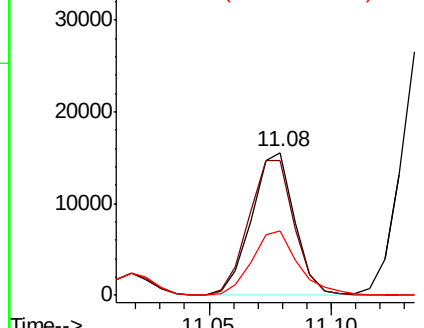
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.67 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003744.D

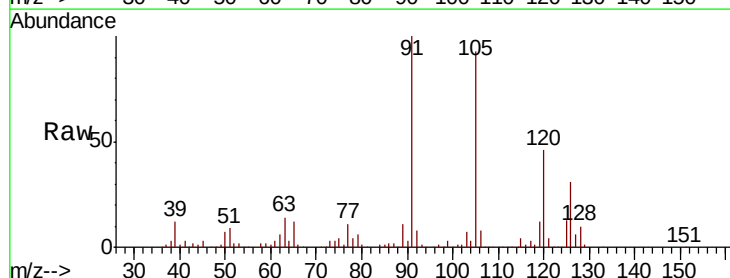
Acq: 31 Jul 2018 11:43

Tgt Ion: 91 Resp: 211533

Ion Ratio Lower Upper

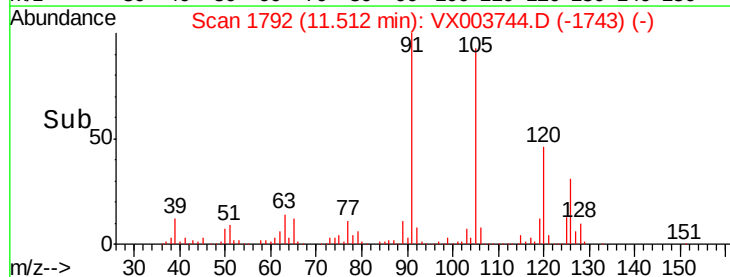
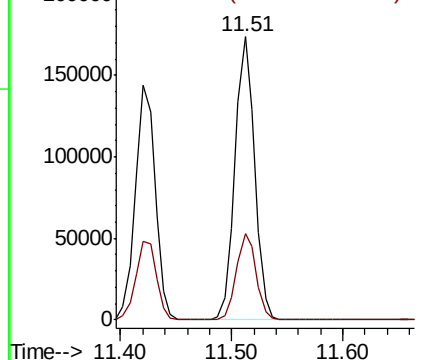
91 100

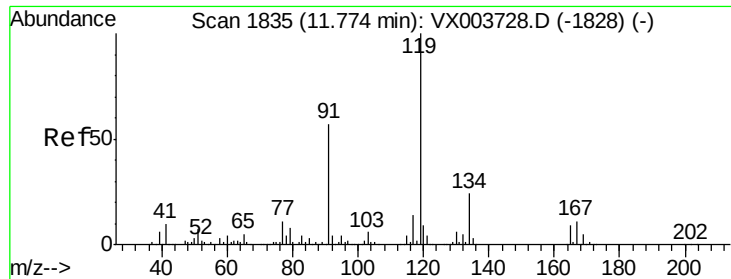
126 30.7 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





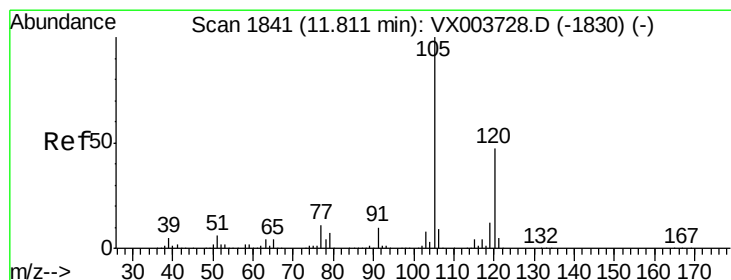
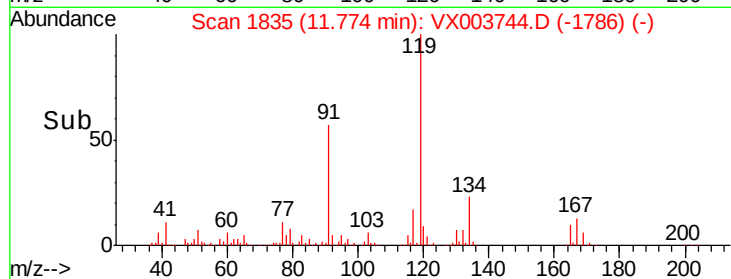
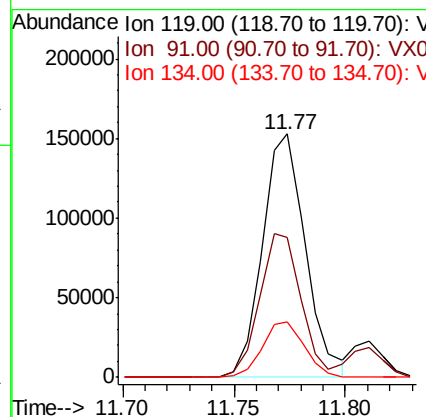
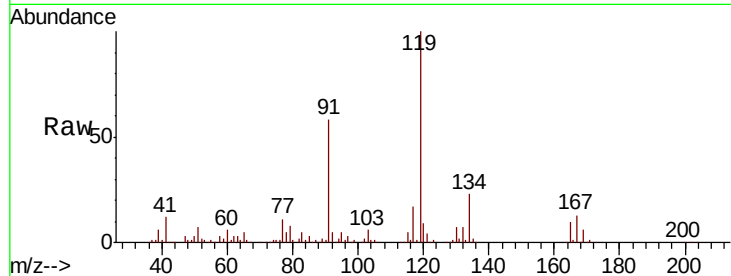
#83
 tert-Butylbenzene
 Concen: 48.63 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	205438		
91	56.8		27.2	81.6
134	22.4		11.6	34.8

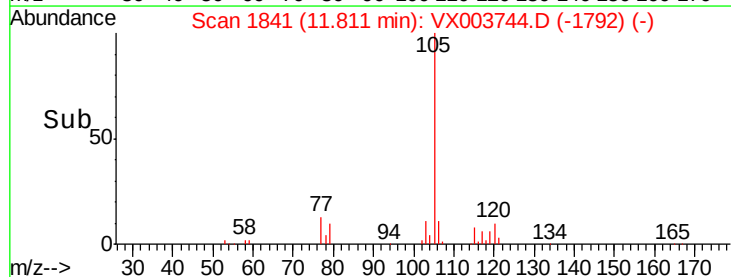
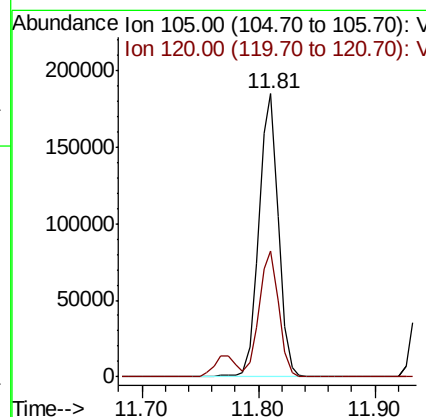
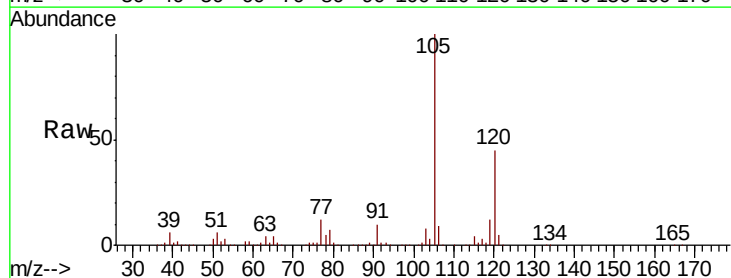
Manual Integrations
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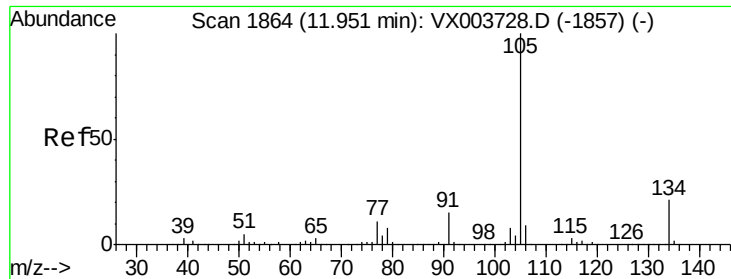
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.97 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	215298		
120	44.8		23.1	69.2





#85

sec-Butylbenzene

Concen: 48.94 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 264516

Ion Ratio Lower Upper

105 100

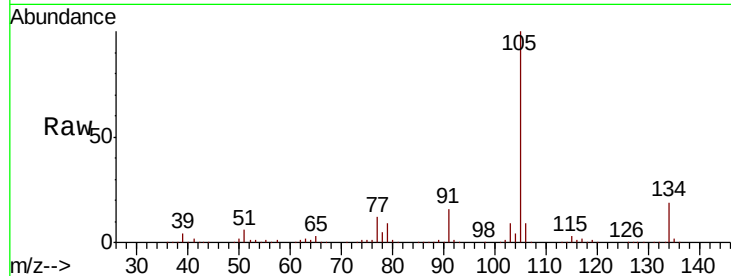
134 20.1 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

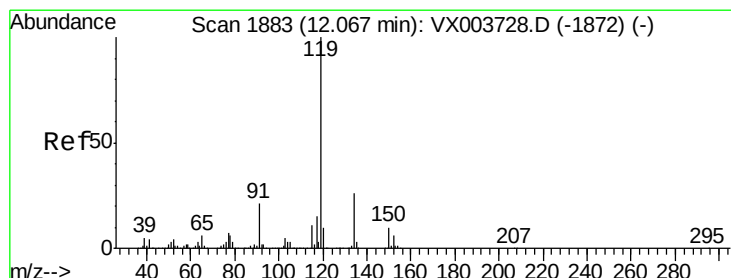
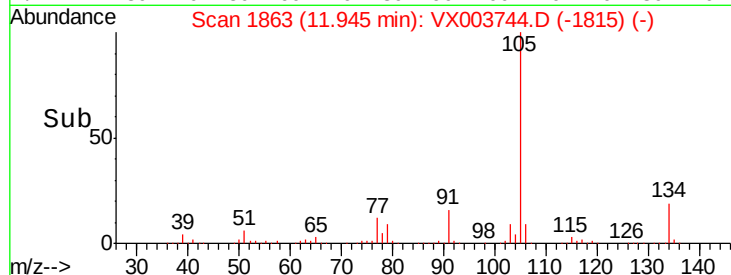
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.15 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

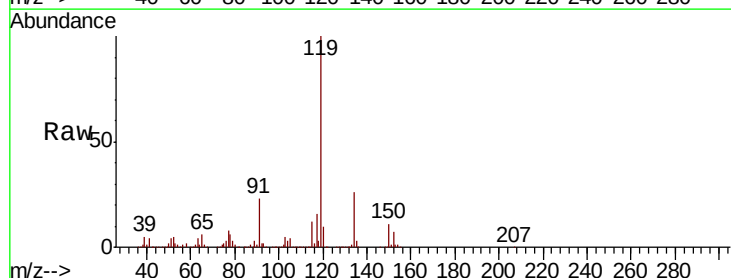
Tgt Ion:119 Resp: 236546

Ion Ratio Lower Upper

119 100

134 26.3 10.1 30.1

91 23.0 23.6 70.8#



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): VX0

12.07

200000

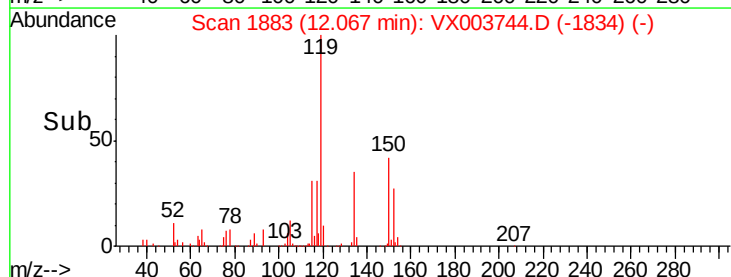
150000

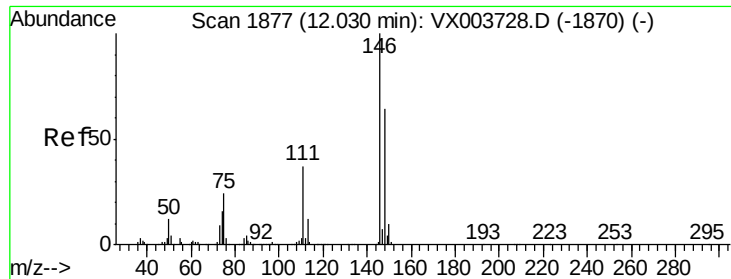
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 46.68 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

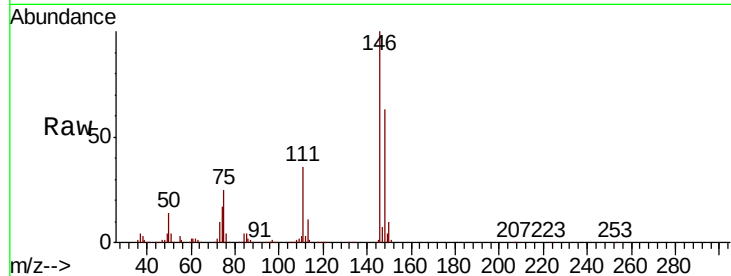
ClientSampled :

VSTDCCC050

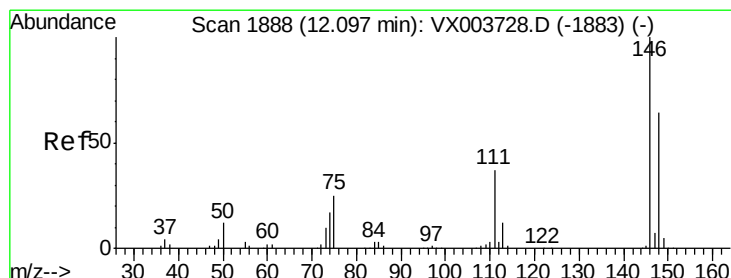
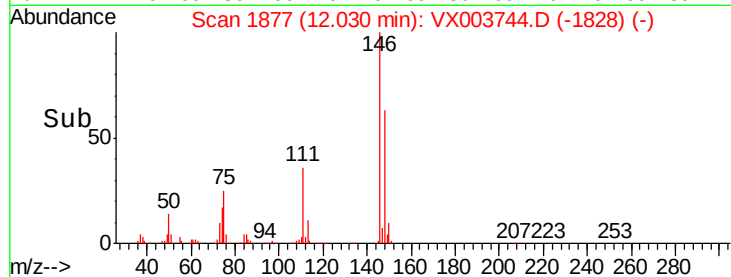
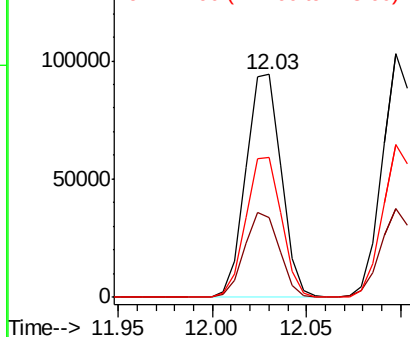
Tot Ion:	146	Resp:	123202
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.8	56.3
148	63.1	31.9	95.9

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.42 ug/l

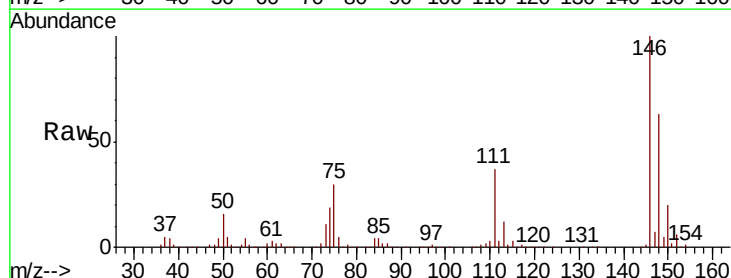
RT: 12.10 min Scan# 1888

Delta R.T. 0.00 min

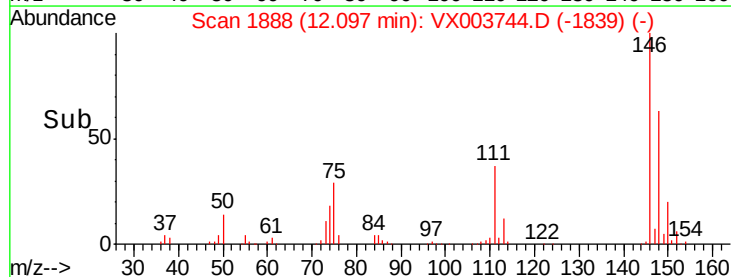
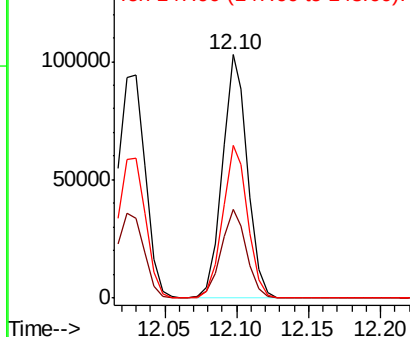
Lab File: VX003744.D

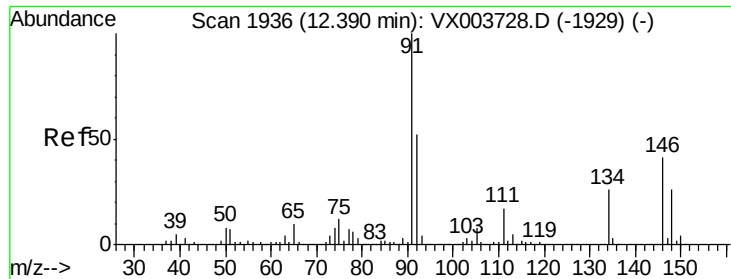
Acq: 31 Jul 2018 11:43

Tgt Ion:	146	Resp:	124985
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.3	54.9
148	63.1	32.0	96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





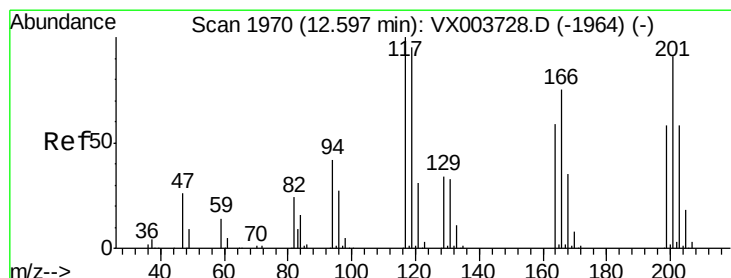
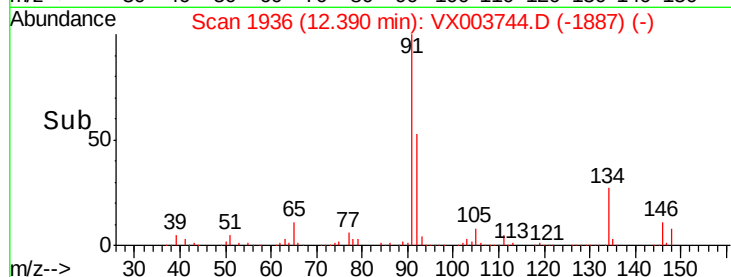
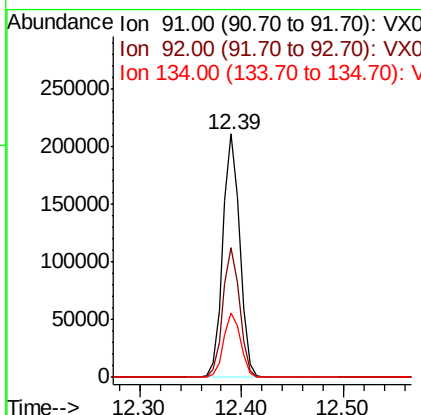
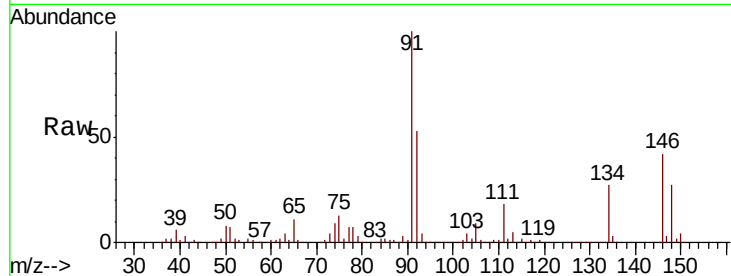
#89
n-Butylbenzene
Concen: 52.22 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	26.4	13.6	40.7

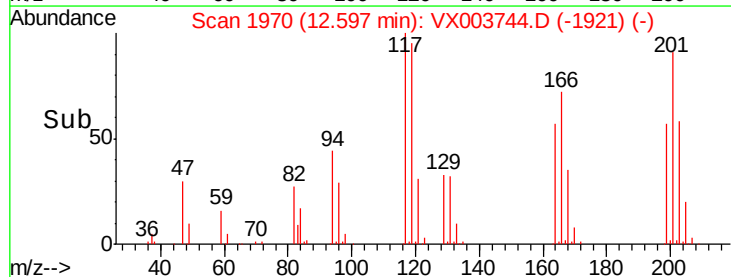
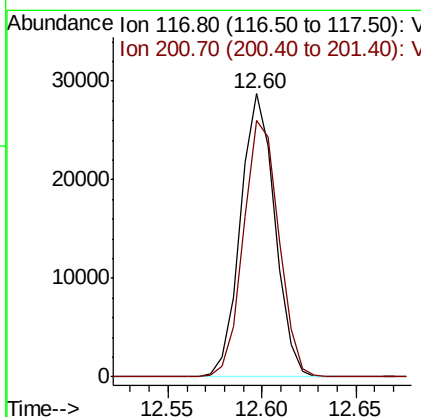
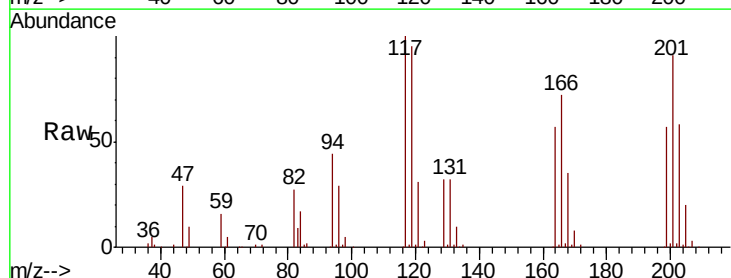
Manual Integrations
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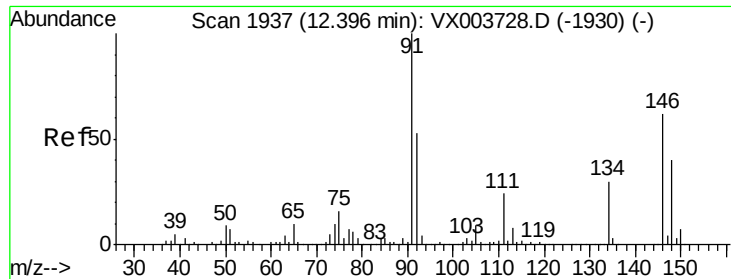
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#90
Hexachloroethane
Concen: 49.67 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003744.D
Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.4	49.3	147.8





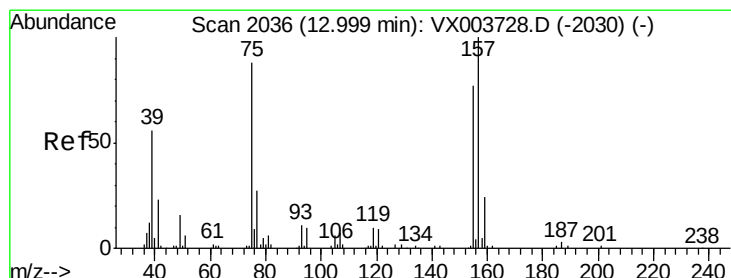
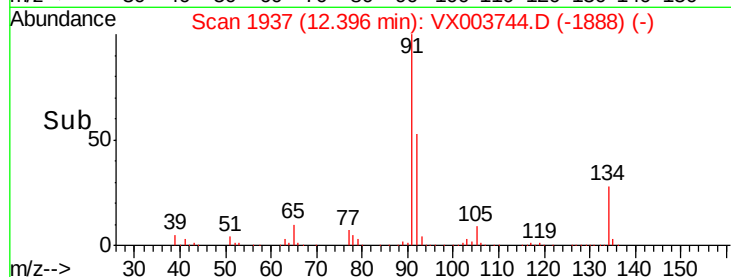
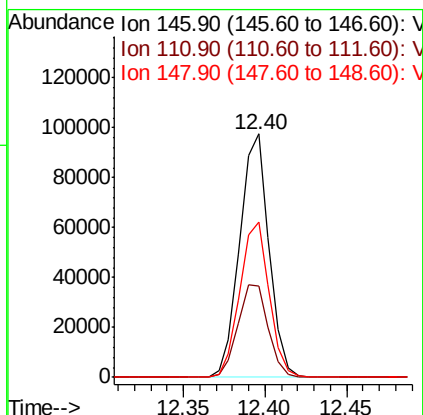
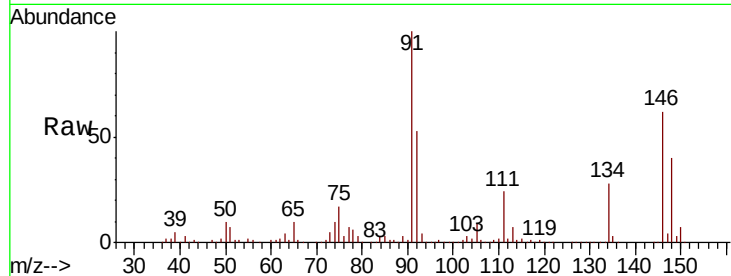
#91
 1,2-Dichlorobenzene
 Concen: 49.68 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.4
148	64.3	32.0	96.0

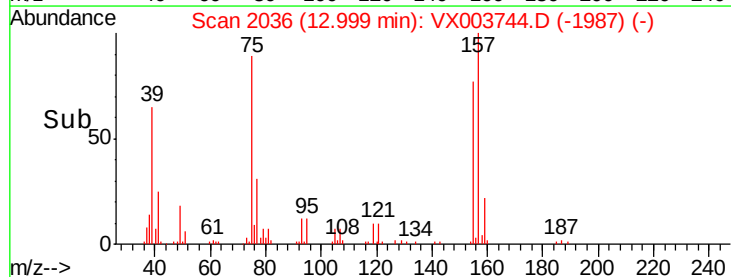
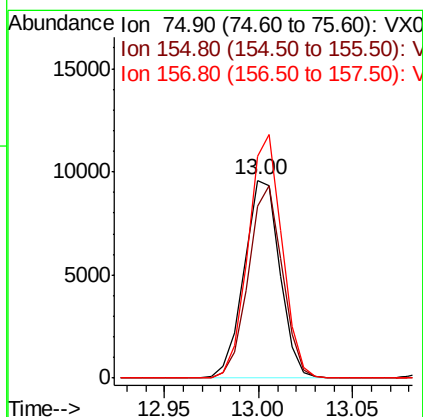
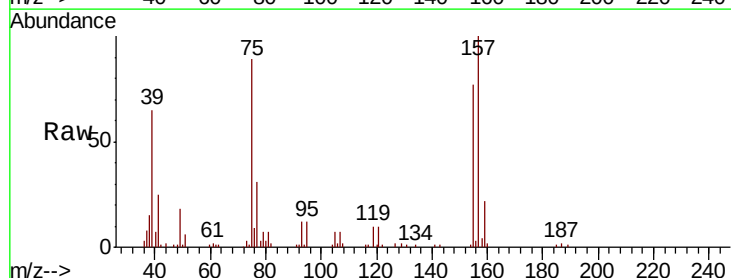
Manual Integrations
 APPROVED

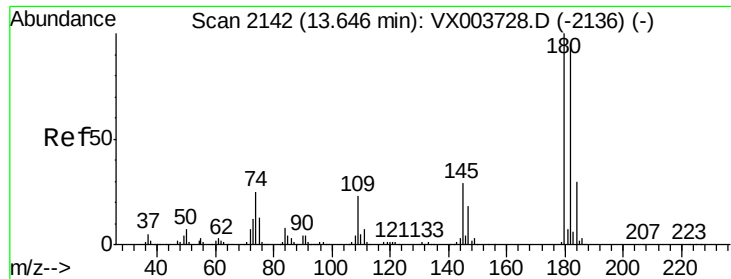
apatel
 8/1/2018 5:37:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.84 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	48.9	146.7
157	116.6	63.7	191.1





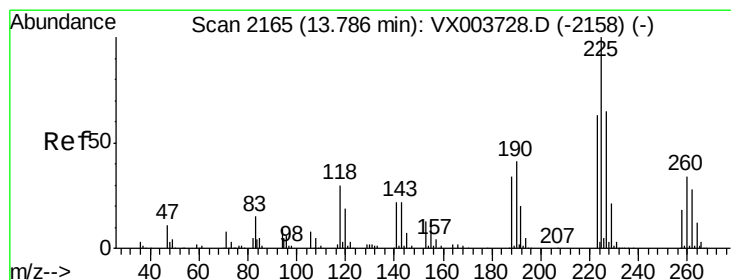
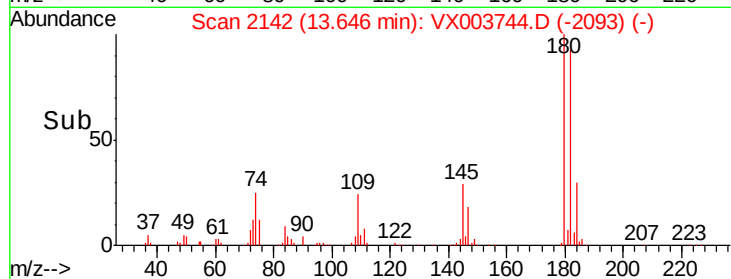
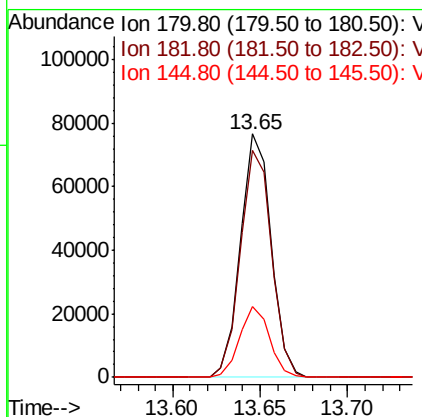
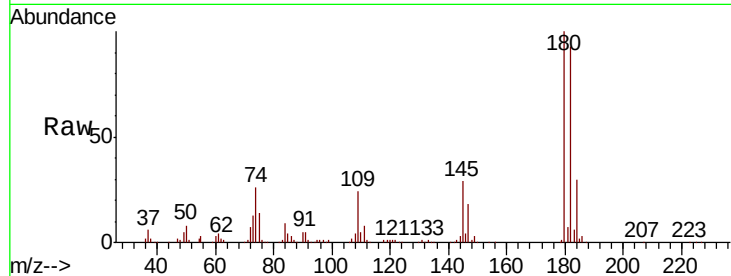
#93
 1,2,4-Trichlorobenzene
 Concen: 47.77 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.9
145	28.5	14.1	42.2

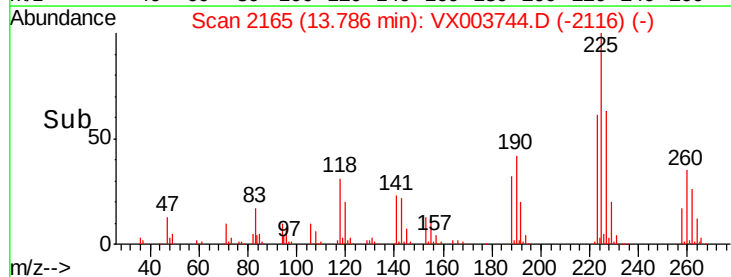
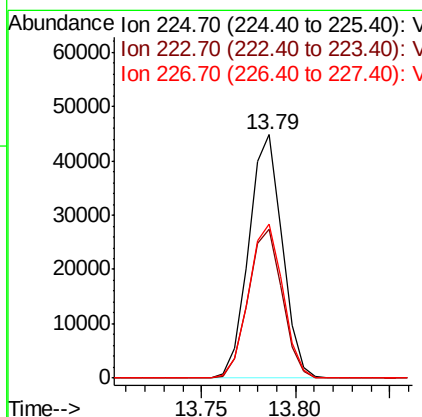
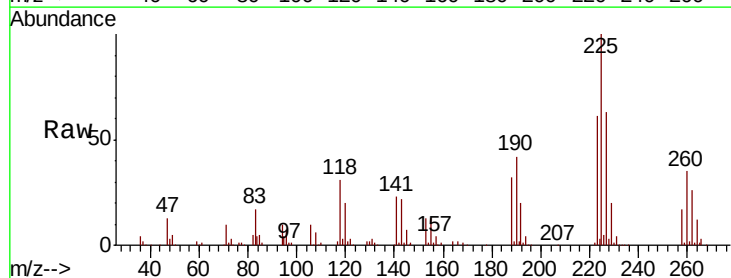
Manual Integrations
 APPROVED

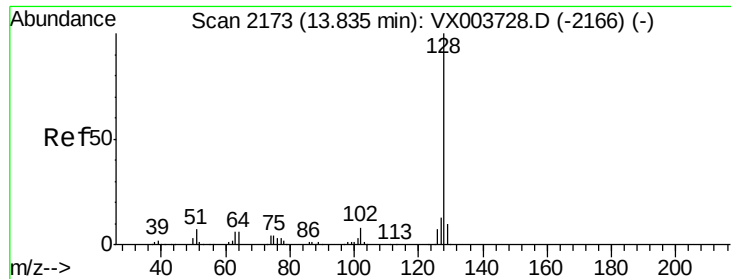
apatel
 8/1/2018 5:37:33 PM



#94
 Hexachlorobutadiene
 Concen: 44.17 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003744.D
 Acq: 31 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.5
227	64.8	31.9	95.9





#95

Naphthalene

Concen: 51.78 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Instrument :

MSVOA_X

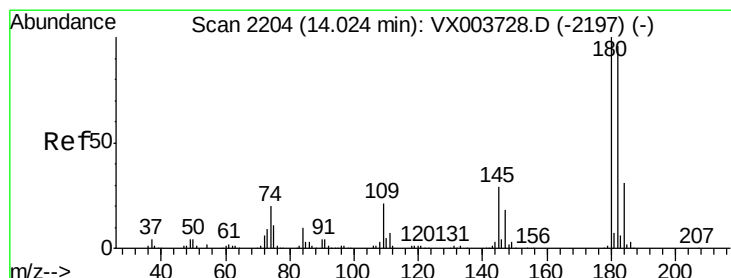
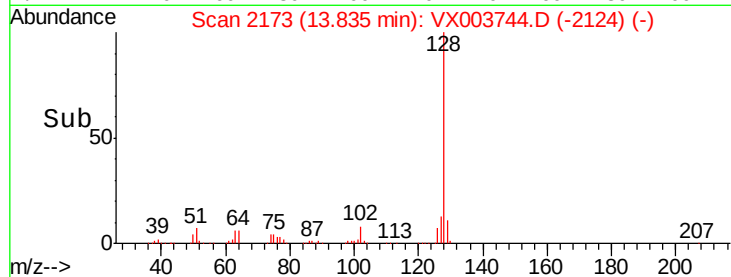
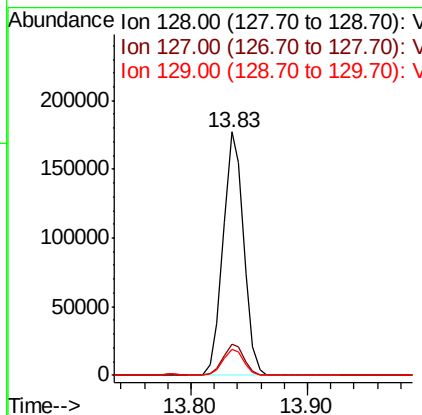
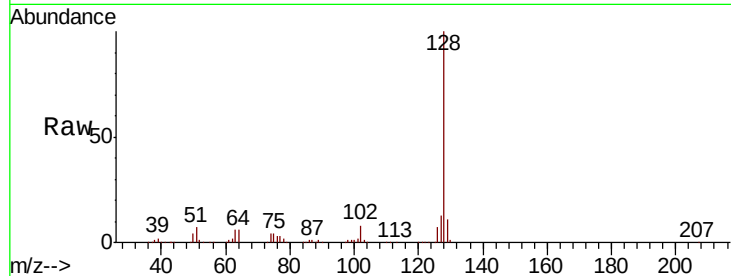
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	215740
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

apatel
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#96

1,2,3-Trichlorobenzene

Concen: 47.89 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003744.D

Acq: 31 Jul 2018 11:43

Tgt Ion:	180	Resp:	84759
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.9	143.8
145	30.8	14.7	44.1

