

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122218\
 Data File : VX006779.D
 Acq On : 22 Dec 2018 18:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 11:47:46 AM

Quant Time: Dec 24 05:54:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	539081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	839155	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	760283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	388327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	292808	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	5.50	113	267089	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	8.71	98	985725	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.13	95	351233	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	217552	44.114	ug/l	97
3) Chloromethane	1.33	50	235714	44.365	ug/l	100
4) Vinyl Chloride	1.41	62	255013	45.956	ug/l	98
5) Bromomethane	1.64	94	262317	50.682	ug/l	97
6) Chloroethane	1.71	64	173878	45.254	ug/l	99
7) Trichlorofluoromethane	1.93	101	418462	48.369	ug/l	100
8) Diethyl Ether	2.19	74	161819	47.092	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	246312	48.490	ug/l	99
10) Methyl Iodide	2.51	142	372040	51.165	ug/l	99
11) Tert butyl alcohol	3.07	59	323702	249.649	ug/l	100
12) 1,1-Dichloroethene	2.37	96	228048	47.347	ug/l	98
13) Acrolein	2.29	56	210268	240.385	ug/l	98
14) Allyl chloride	2.73	41	398299	49.128	ug/l	99
15) Acrylonitrile	3.15	53	757853	263.242	ug/l	99
16) Acetone	2.45	43	625301	234.258	ug/l	99
17) Carbon Disulfide	2.57	76	534042	41.898	ug/l	98
18) Methyl Acetate	2.78	43	438314	55.843	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	824458	51.573	ug/l	99
20) Methylene Chloride	2.85	84	265955	48.184	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	249444	46.741	ug/l	95
22) Diisopropyl ether	3.87	45	781811	52.711	ug/l	94
23) Vinyl Acetate	3.82	43	3123841	257.487	ug/l	99
24) 1,1-Dichloroethane	3.70	63	430146	48.582	ug/l	98
25) 2-Butanone	4.70	43	957817	255.099	ug/l	99
26) 2,2-Dichloropropane	4.58	77	286056	41.825	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	292816	49.730	ug/l	99
28) Bromochloromethane	5.02	49	199762	53.658	ug/l	98
29) Tetrahydrofuran	5.15	42	651868	263.599	ug/l	98
30) Chloroform	5.21	83	464835	50.698	ug/l	98
31) Cyclohexane	5.57	56	382094	47.503	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	386619	49.938	ug/l	99
36) 1,1-Dichloropropene	5.80	75	333757	48.022	ug/l	100
37) Ethyl Acetate	4.85	43	371835	51.402	ug/l	99
38) Carbon Tetrachloride	5.78	117	326179	48.291	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	421747	46.092	ug/l	97
40) Benzene	6.14	78	1044118	49.423	ug/l	98
41) Methacrylonitrile	5.06	41	203904	53.092	ug/l	98
42) 1,2-Dichloroethane	6.20	62	352041	48.902	ug/l	100
43) Isopropyl Acetate	6.46	43	579722	52.670	ug/l	99
44) Trichloroethene	7.21	130	299056	46.770	ug/l	99
45) 1,2-Dichloropropane	7.52	63	261404	50.847	ug/l	98
46) Dibromomethane	7.66	93	185396	49.027	ug/l	99
47) Bromodichloromethane	7.90	83	318828	50.784	ug/l	95
48) Methyl methacrylate	7.77	41	302451	54.036	ug/l	98
49) 1,4-Dioxane	7.75	88	145932	996.411	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1852636	264.543	ug/l	100
52) Toluene	8.78	92	680277	49.843	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	341523	50.722	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	383966	51.971	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	283945	50.827	ug/l	97
56) Ethyl methacrylate	9.18	69	416760	52.782	ug/l	98
57) 1,3-Dichloropropane	9.37	76	453726	50.481	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1055817	251.555	ug/l	99
59) 2-Hexanone	9.49	43	1391669	259.725	ug/l	100
60) Dibromochloromethane	9.59	129	274966	47.197	ug/l	99
61) 1,2-Dibromoethane	9.67	107	302476	50.934	ug/l	100
64) Tetrachloroethene	9.34	164	280856	46.652	ug/l	97
65) Chlorobenzene	10.14	112	784879	48.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	271010	54.004	ug/l	99
67) Ethyl Benzene	10.25	91	1305840	49.684	ug/l	99
68) m/p-Xylenes	10.36	106	1027430	99.065	ug/l	100
69) o-Xylene	10.69	106	504383	49.250	ug/l	99
70) Styrene	10.71	104	813727	50.222	ug/l	99
71) Bromoform	10.86	173	197458	44.191	ug/l	99
73) Isopropylbenzene	11.02	105	1342109	50.519	ug/l	99
74) N-amyl acetate	10.90	43	515932	54.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	417577	52.852	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	381305m	52.836	ug/l	
77) Bromobenzene	11.26	156	356255	49.602	ug/l	99
78) n-propylbenzene	11.36	91	1482536	50.677	ug/l	99
79) 2-Chlorotoluene	11.42	91	867134	48.911	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1102113	50.367	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	99835	42.769	ug/l	95
82) 4-Chlorotoluene	11.51	91	1007167	49.526	ug/l	100
83) tert-Butylbenzene	11.77	119	1135187	51.835	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1126915	48.963	ug/l	100
85) sec-Butylbenzene	11.94	105	1348772	50.232	ug/l	100
86) p-Isopropyltoluene	12.07	119	1198210	50.765	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	634108	48.987	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	640244	48.249	ug/l	99
89) n-Butylbenzene	12.39	91	1026208	51.088	ug/l	99
90) Hexachloroethane	12.60	117	172595	46.939	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	634572	49.006	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	83555	51.110	ug/l	99

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MSVOA_X
ClientSampleId :
VSTDCCC050EC

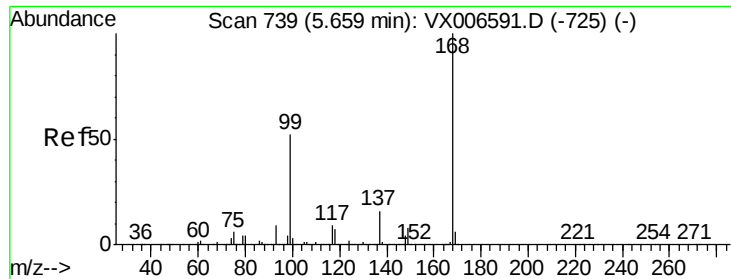
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	445943	49.926	ug/l	100
94) Hexachlorobutadiene	13.78	225	204051	48.468	ug/l	99
95) Naphthalene	13.83	128	1418172	49.747	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	452551	49.072	ug/l	98

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



#1

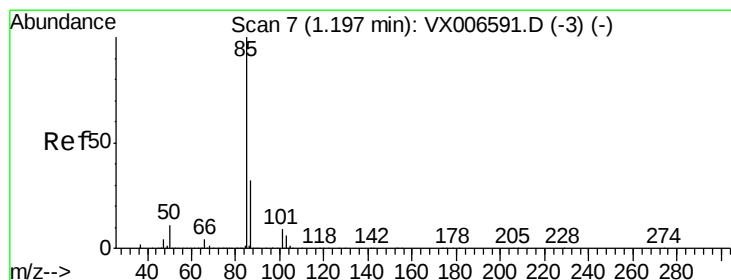
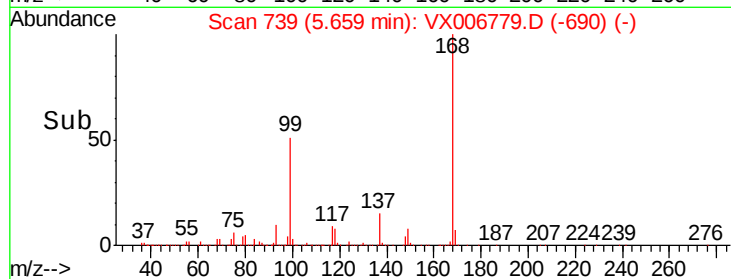
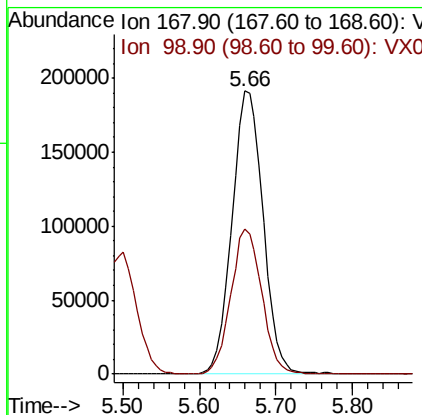
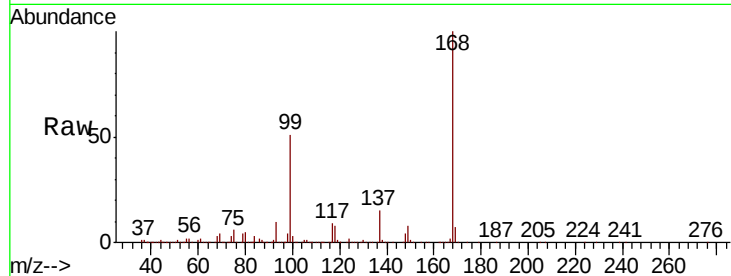
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.2	41.8	62.8

Manual Integrations
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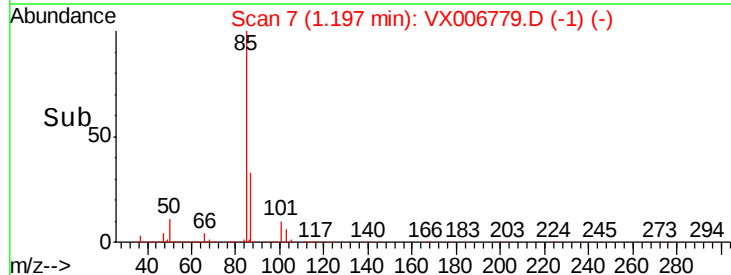
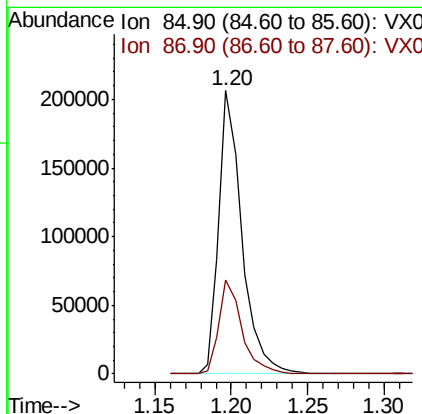
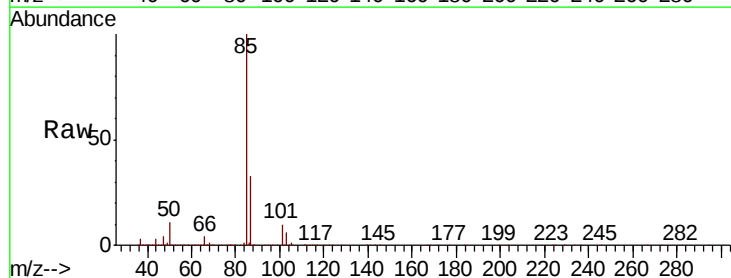
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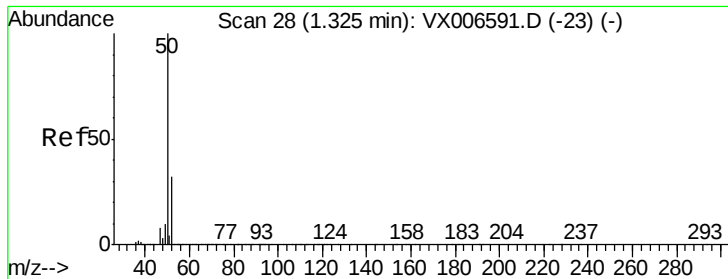


#2

Dichlorodifluoromethane
 Concen: 44.114 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.2	15.9	47.6





#3

Chloromethane

Concen: 44.365 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 235714

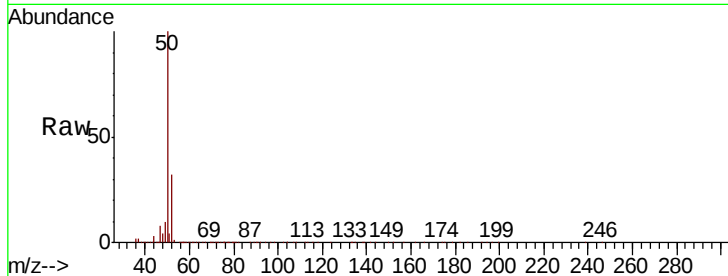
Ion Ratio Lower Upper

50 100

52 31.8 25.4 38.2

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12/24/2018 11:47:46 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

200000

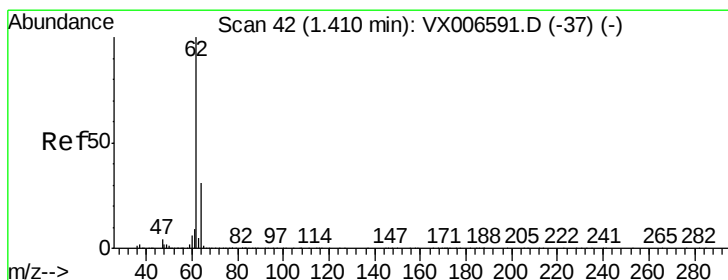
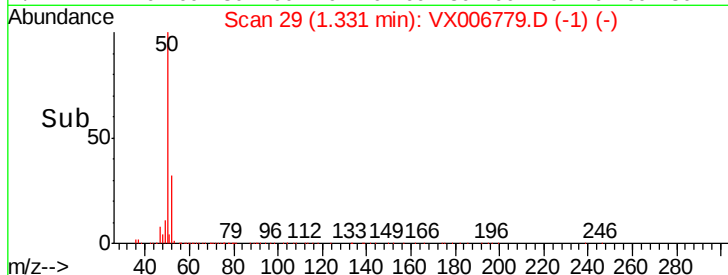
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100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.956 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006779.D

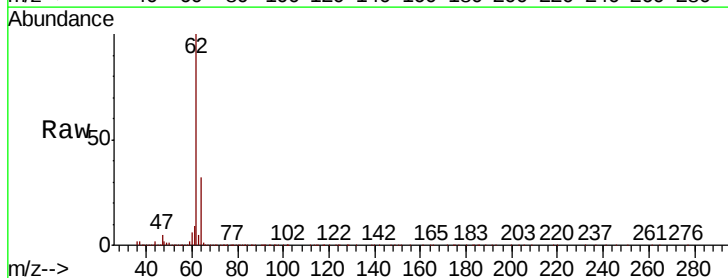
Acq: 22 Dec 2018 18:23

Tgt Ion: 62 Resp: 255013

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

250000

200000

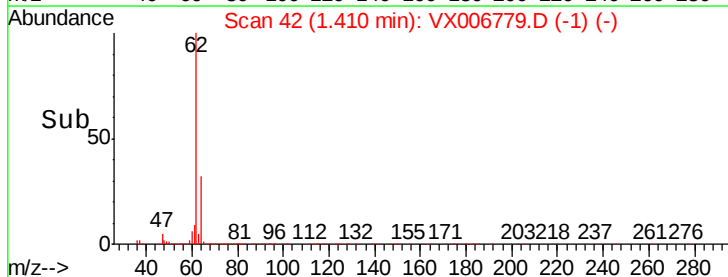
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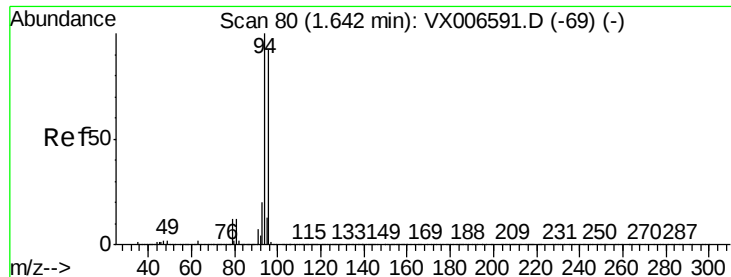
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50000

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Time-->





#5

Bromomethane

Concen: 50.682 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 262317

Ion Ratio Lower Upper

94 100

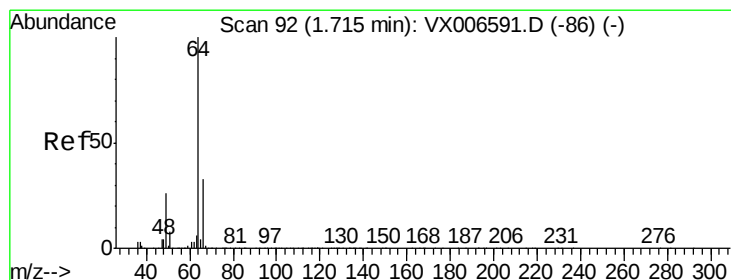
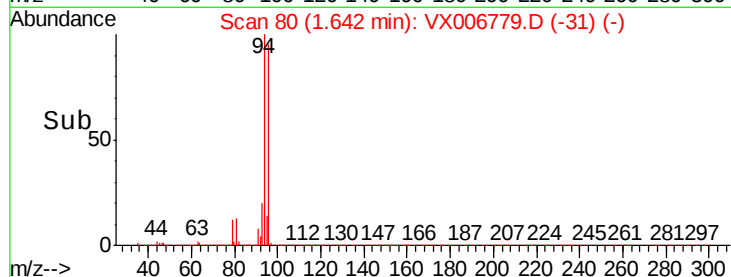
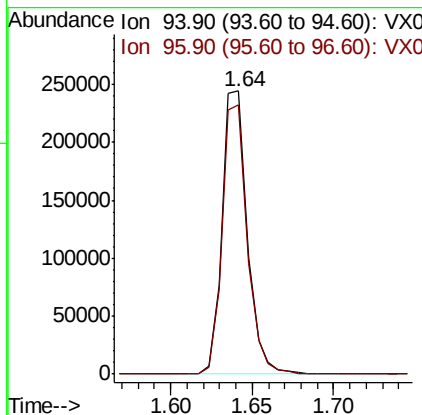
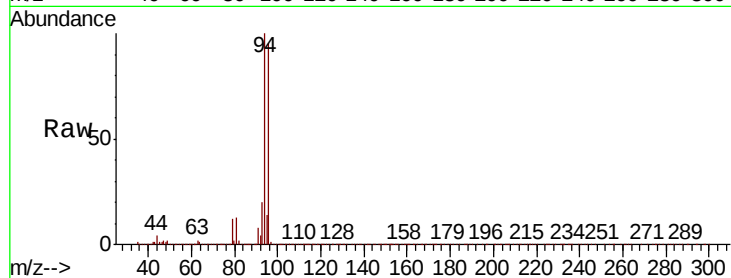
96 95.0 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 45.254 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX006779.D

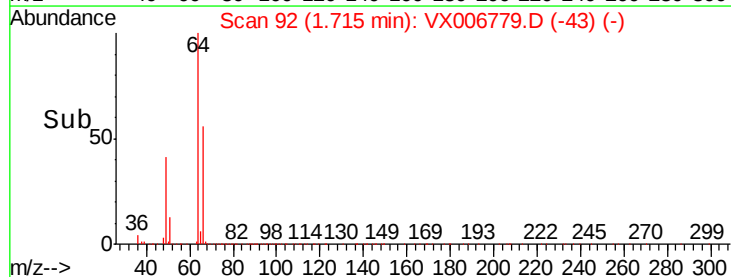
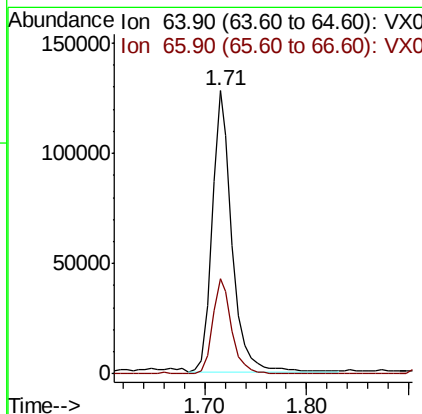
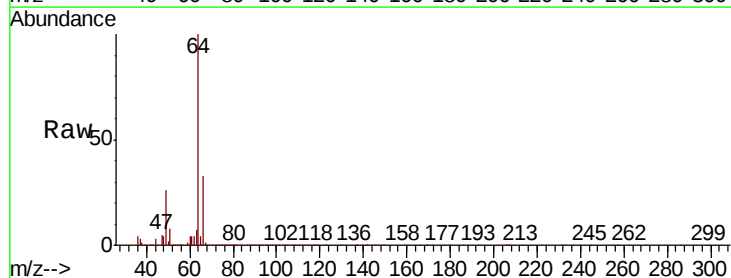
Acq: 22 Dec 2018 18:23

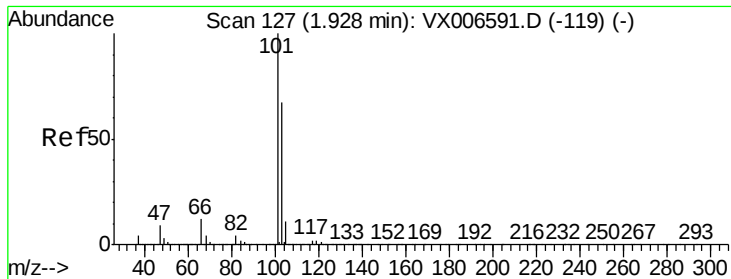
Tgt Ion: 64 Resp: 173878

Ion Ratio Lower Upper

64 100

66 33.5 26.4 39.6





#7

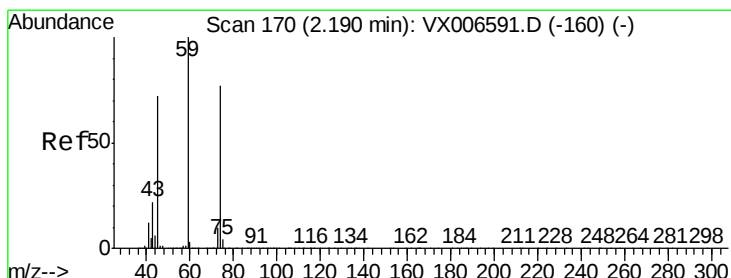
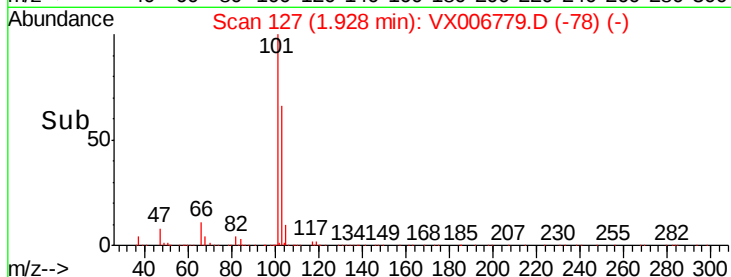
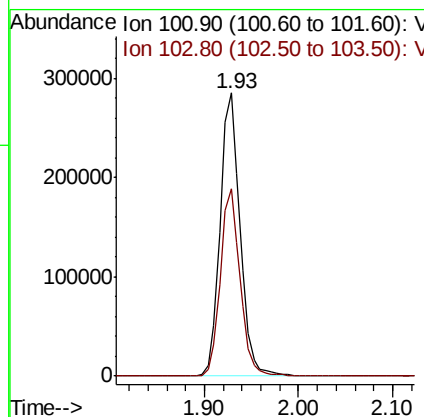
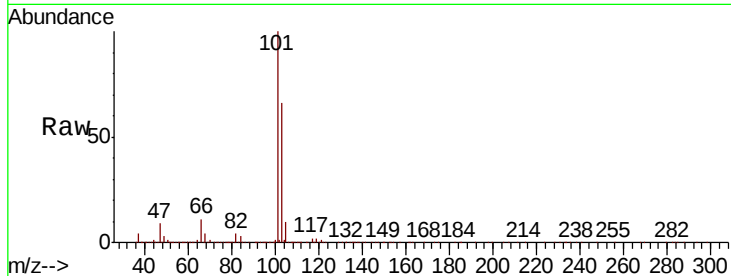
Trichlorofluoromethane
Concen: 48.369 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	53.2	79.8

Manual Integrations
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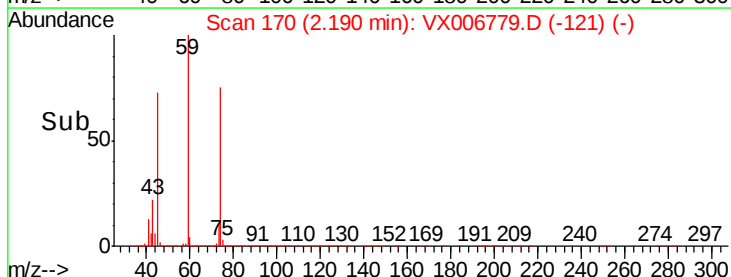
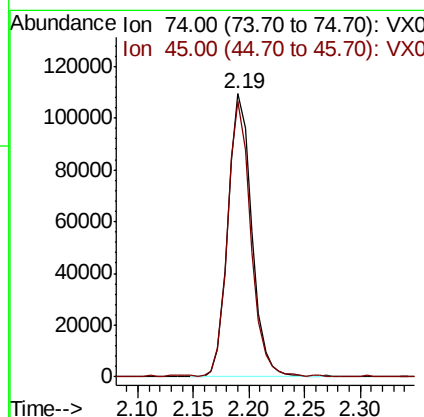
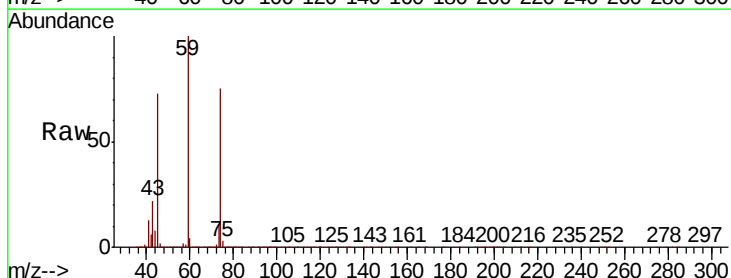
MMDadoda
12/24/2018 11:47:46 AM

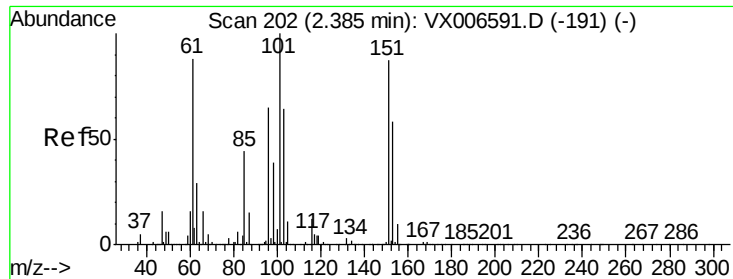


#8

Diethyl Ether
Concen: 47.092 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.490 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

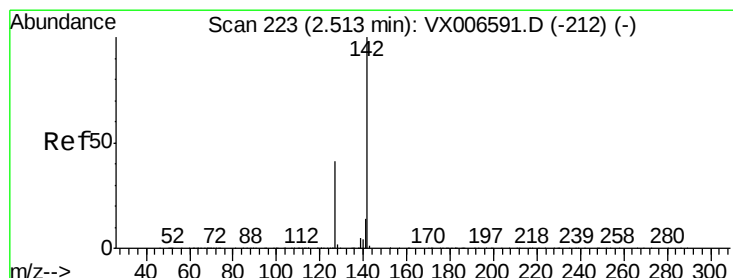
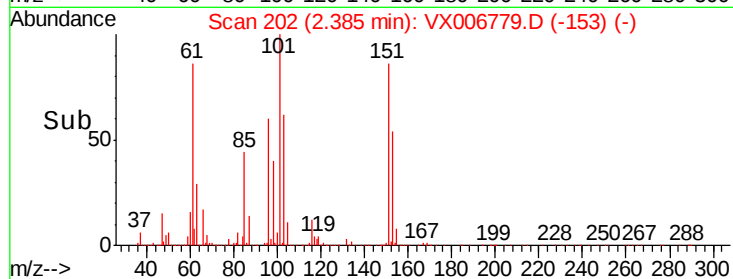
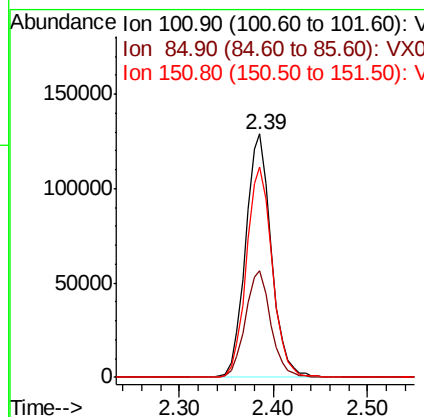
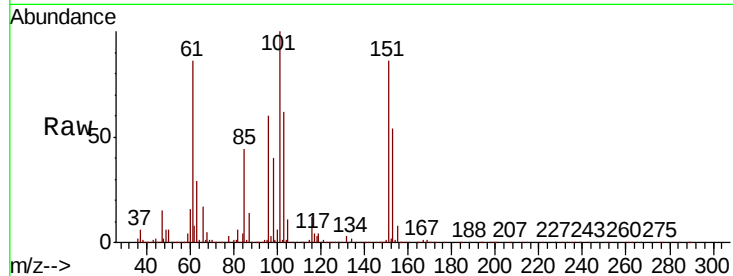
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	246312
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.1	52.7
151	87.0	68.9	103.3

Manual Integrations
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12/24/2018 11:47:46 AM



#10

Methyl Iodide

Concen: 51.165 ug/l

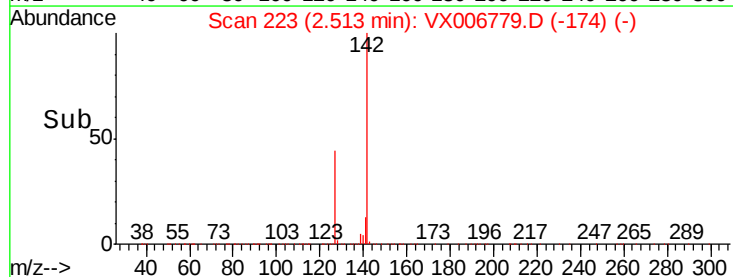
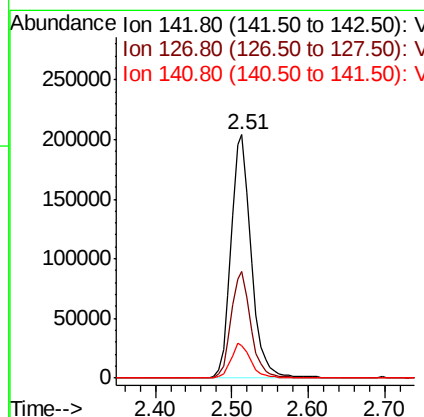
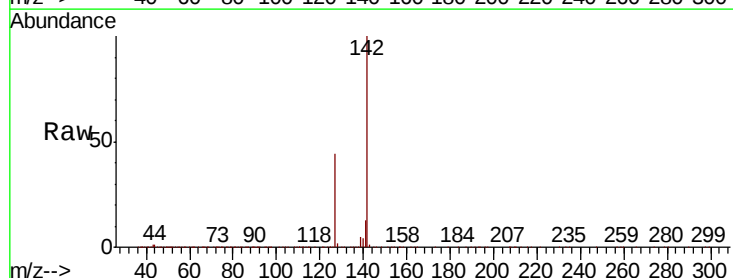
RT: 2.51 min Scan# 223

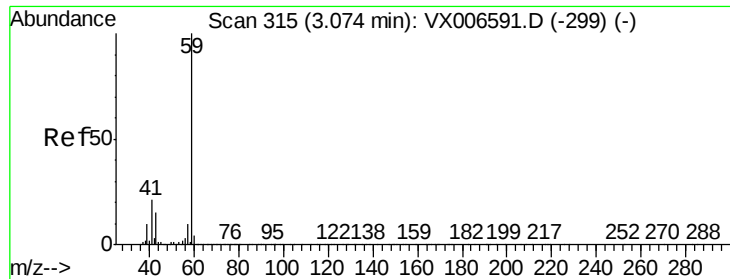
Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Tgt Ion:	142	Resp:	372040
Ion Ratio	Lower	Upper	
142	100		
127	43.2	33.9	50.9
141	14.0	11.4	17.0





#11

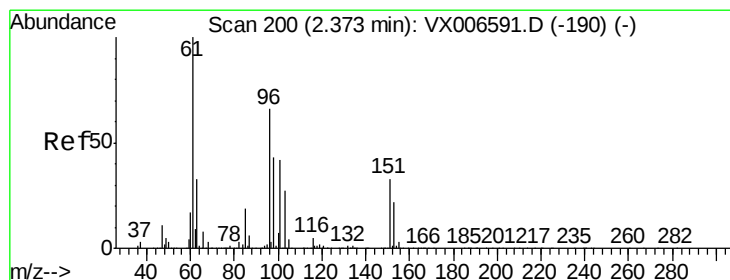
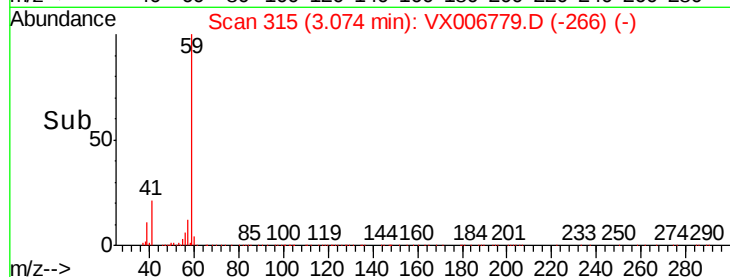
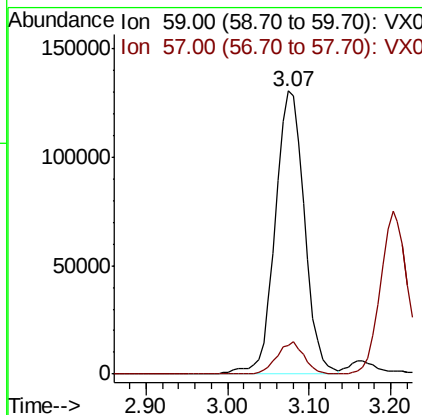
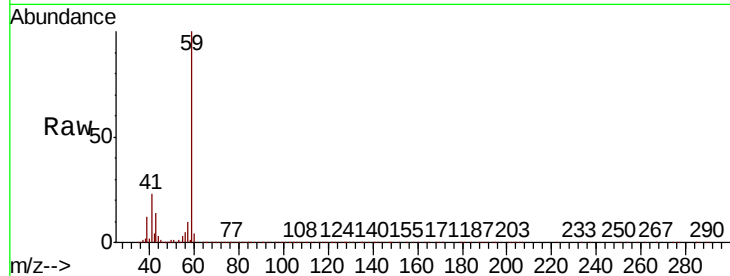
Tert butyl alcohol
Concen: 249.649 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

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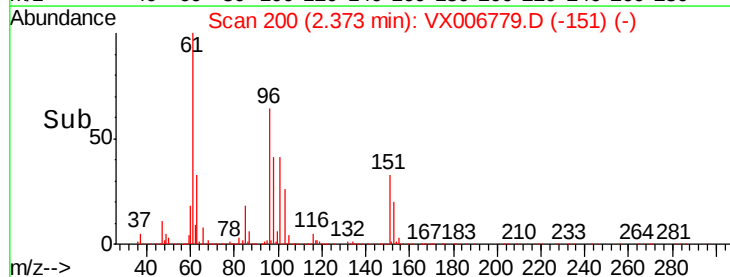
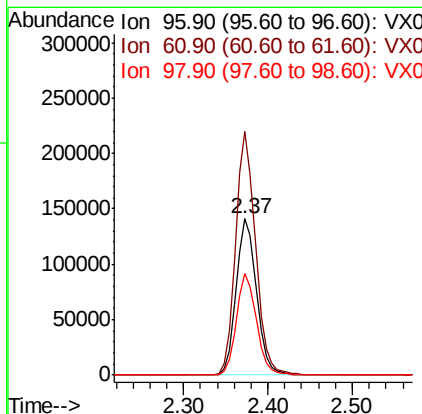
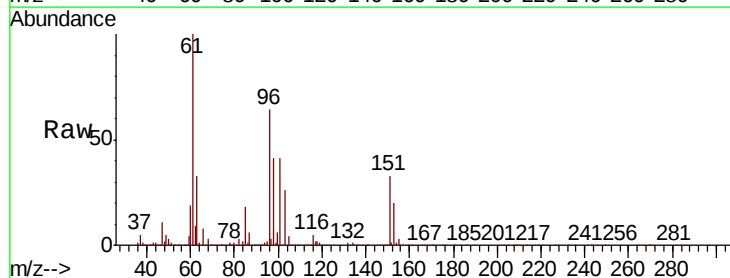
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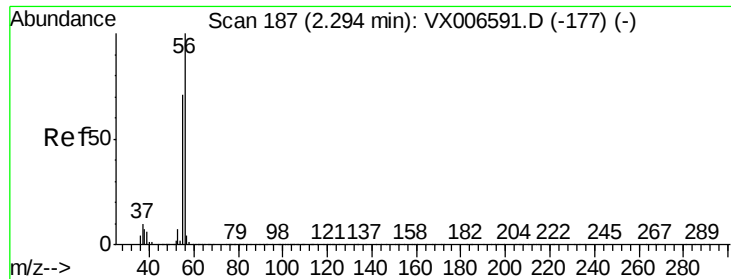


#12

1,1-Dichloroethene
Concen: 47.347 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.5	121.4	182.2
98	64.5	51.9	77.9





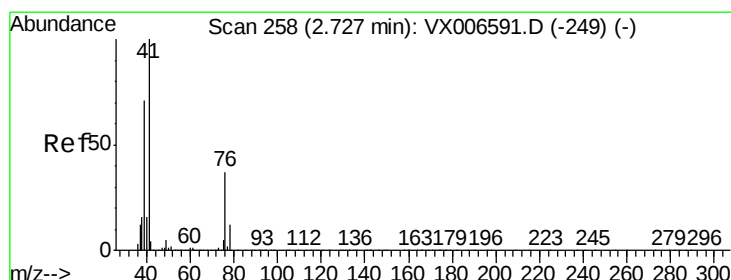
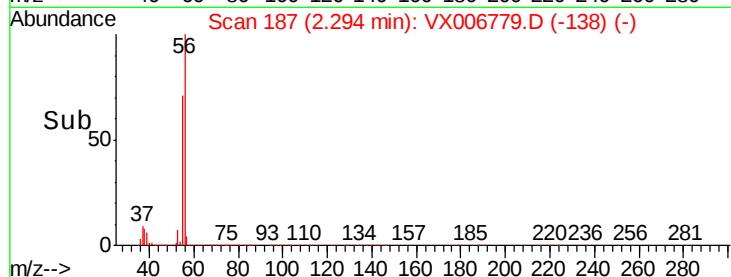
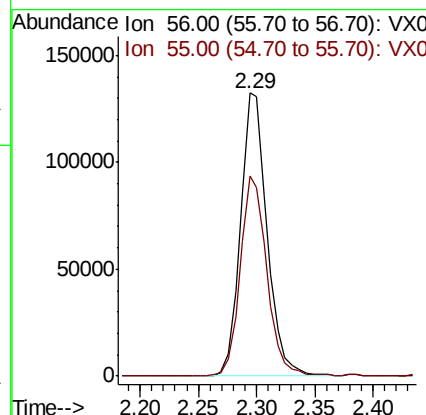
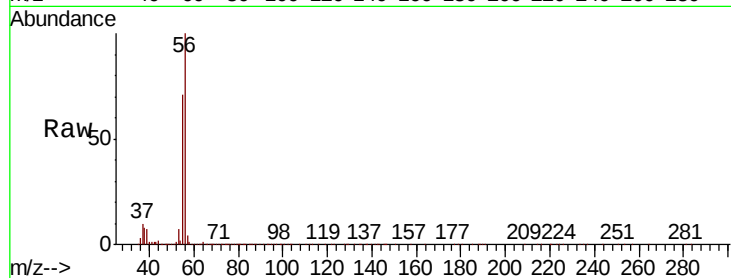
#13
Acrolein
Concen: 240.385 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.9	58.2	87.4

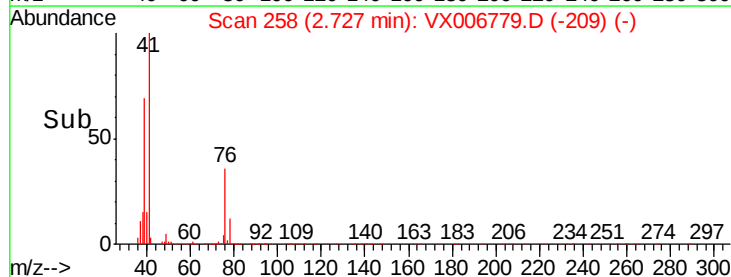
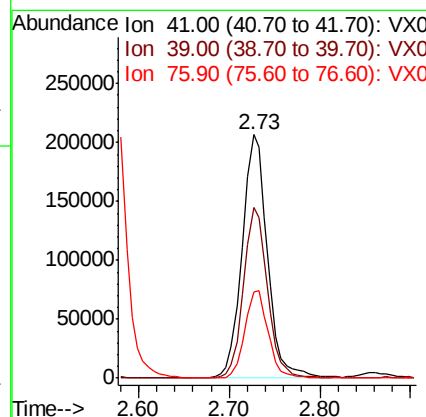
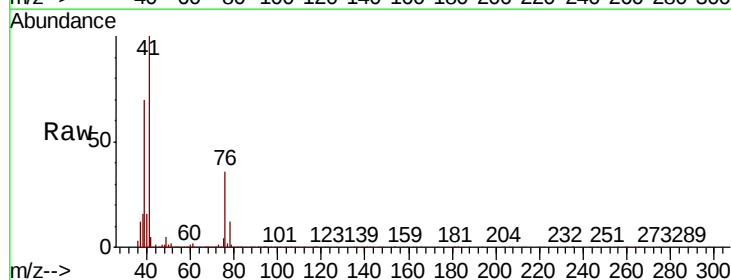
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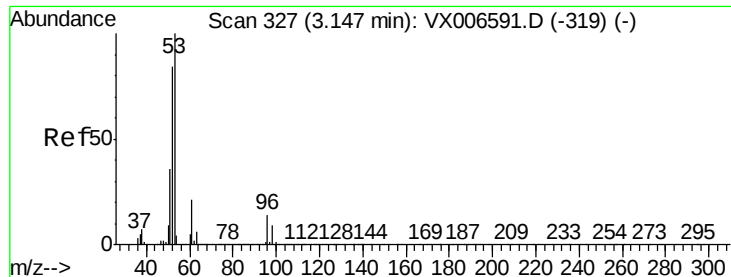
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#14
Allyl chloride
Concen: 49.128 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.6	80.4
76	33.2	27.4	41.2





#15

Acrylonitrile

Concen: 263.242 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

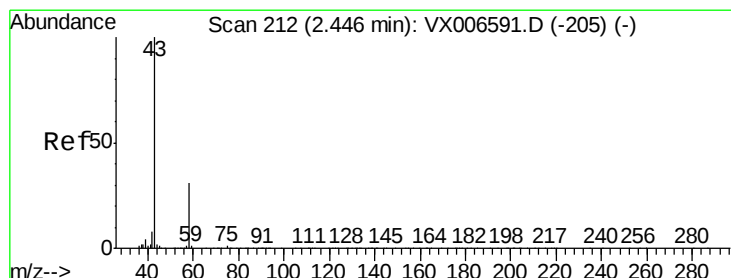
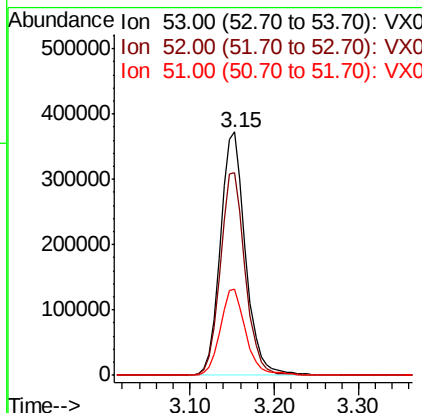
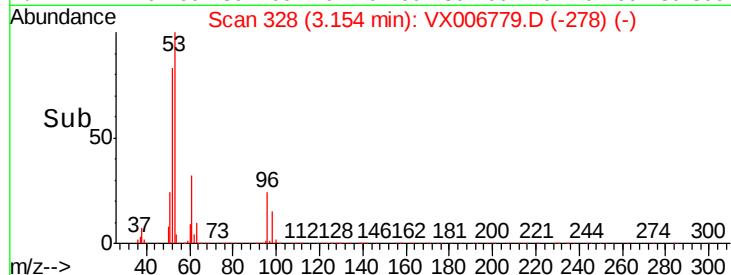
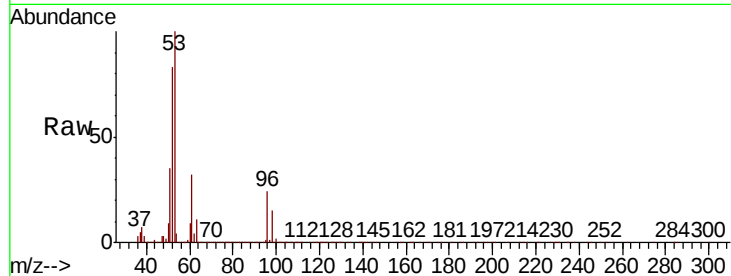
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	757853
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.0	99.0
51	36.0	28.6	42.8

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#16

Acetone

Concen: 234.258 ug/l

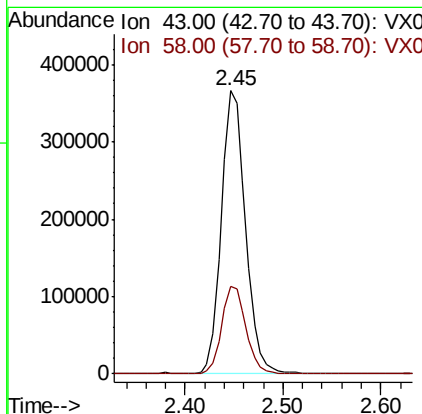
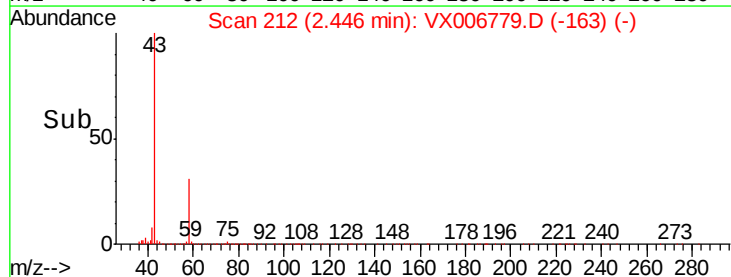
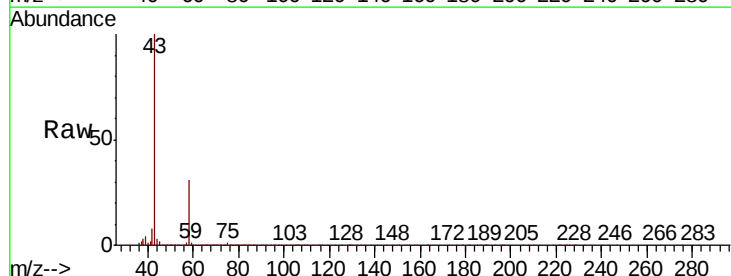
RT: 2.45 min Scan# 212

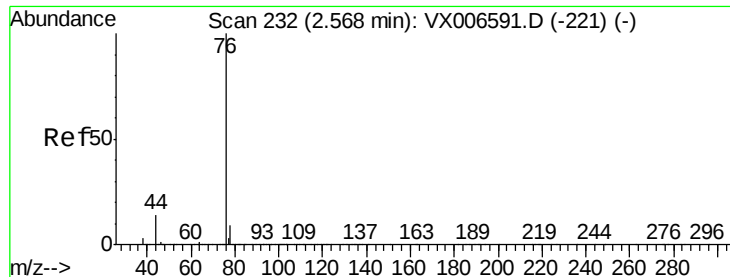
Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Tgt Ion:	43	Resp:	625301
Ion Ratio	Lower	Upper	
43	100		
58	30.9	25.0	37.6





#17

Carbon Disulfide

Concen: 41.898 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 534042

Ion Ratio Lower Upper

76 100

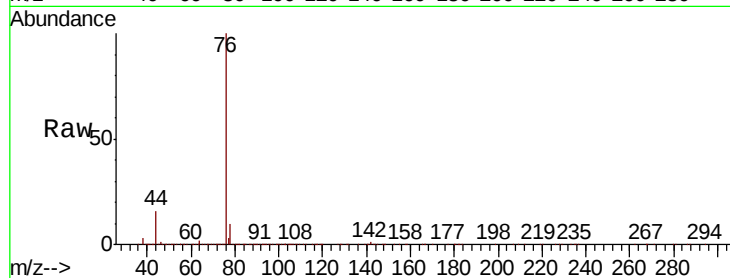
78 9.6 7.0 10.6

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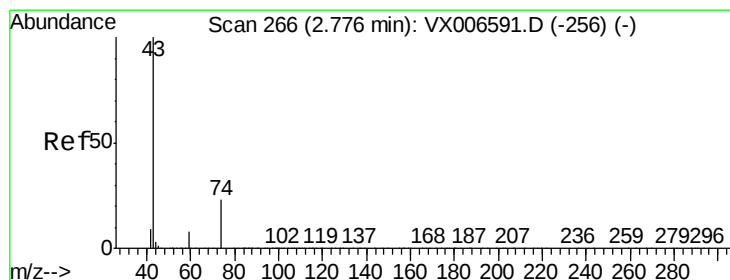
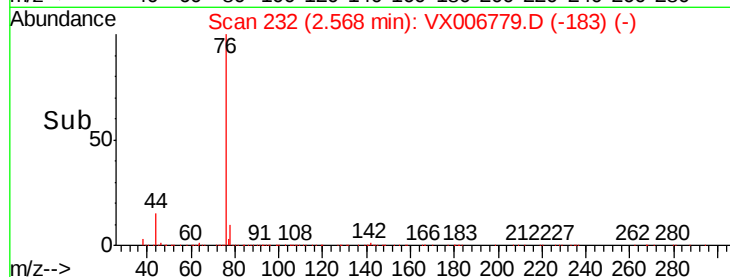
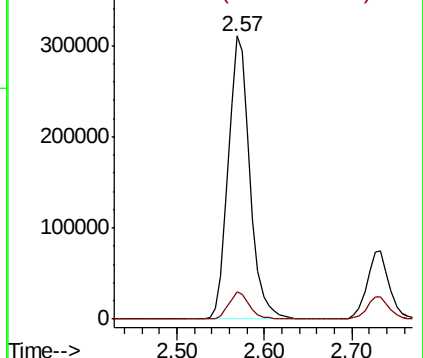
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 55.843 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006779.D

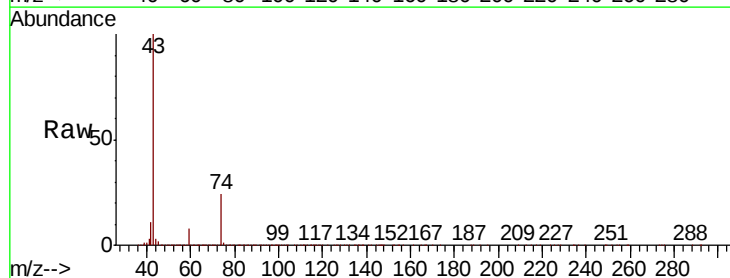
Acq: 22 Dec 2018 18:23

Tgt Ion: 43 Resp: 438314

Ion Ratio Lower Upper

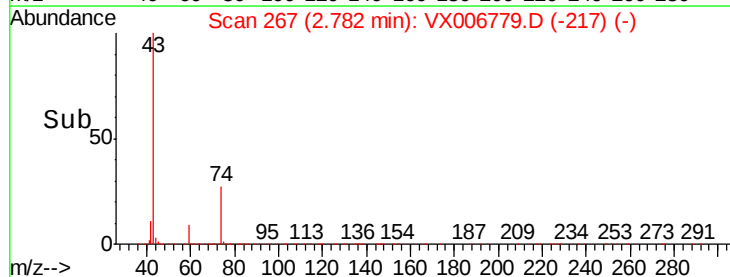
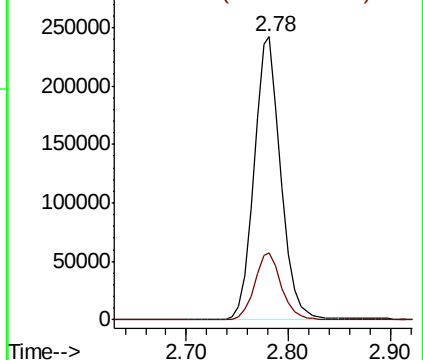
43 100

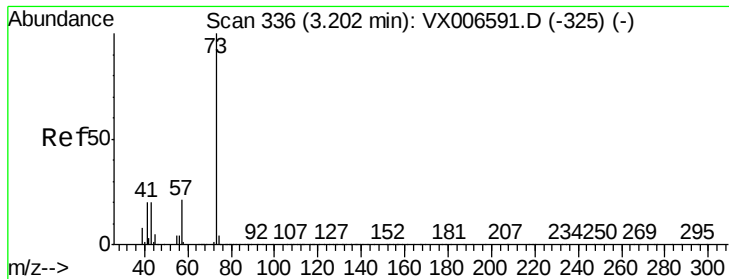
74 23.6 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





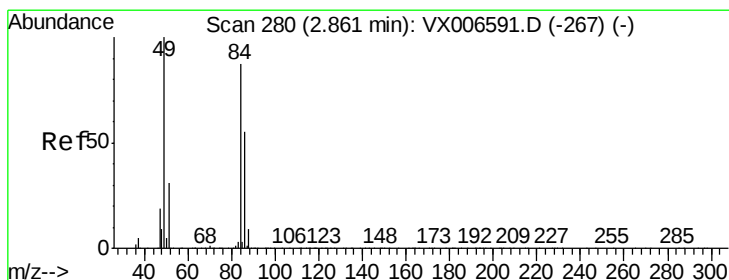
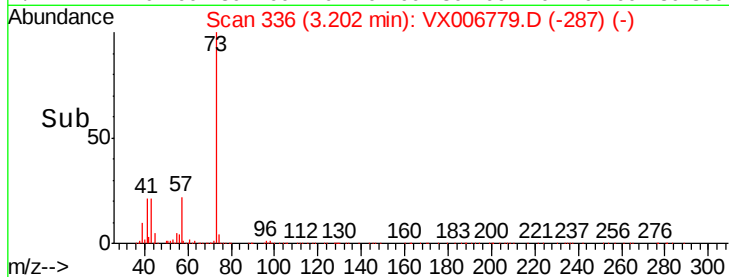
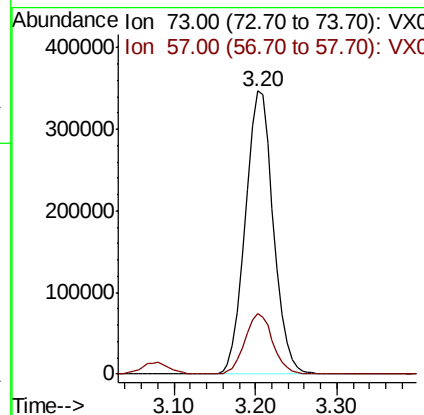
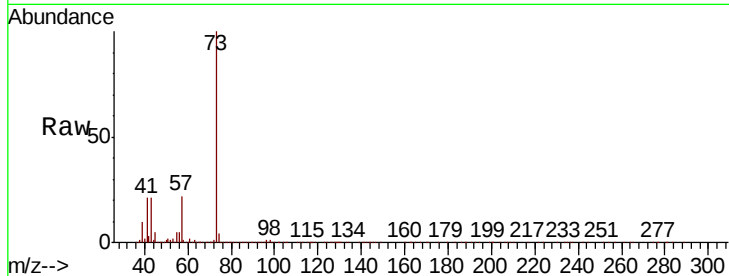
#19
Methyl tert-butyl Ether
Concen: 51.573 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.8	25.2

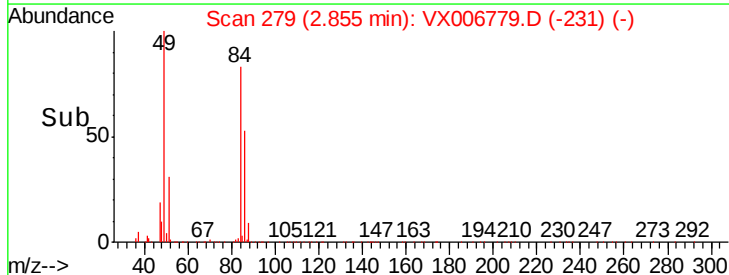
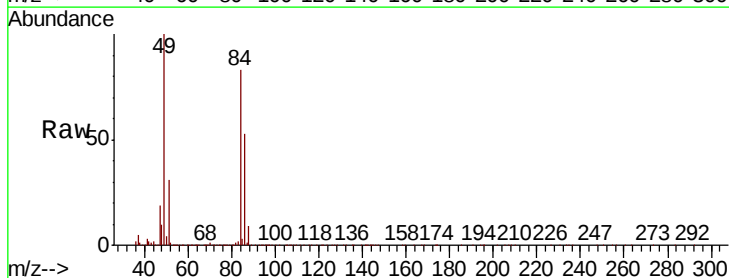
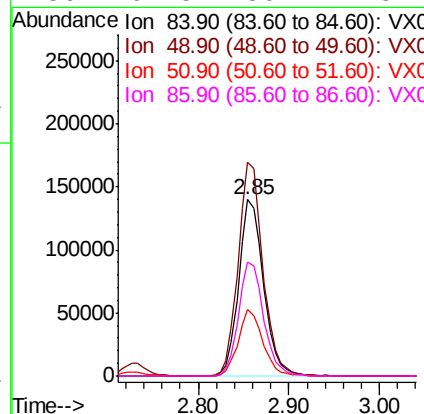
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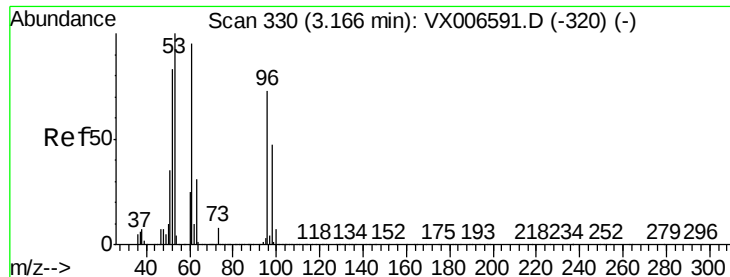
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#20
Methylene Chloride
Concen: 48.184 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.1	91.8	137.6
51	37.9	28.5	42.7
86	64.5	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 46.741 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

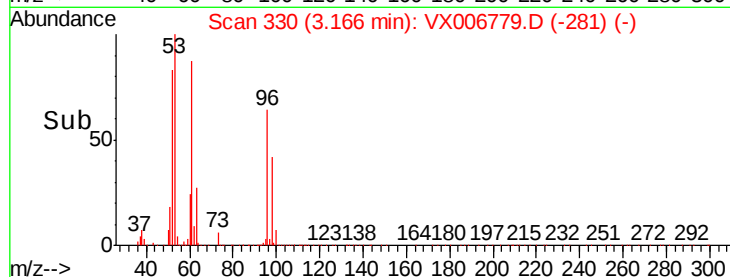
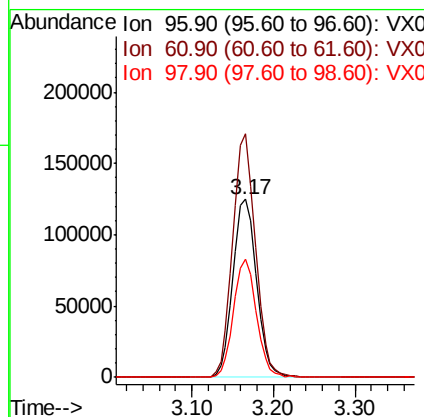
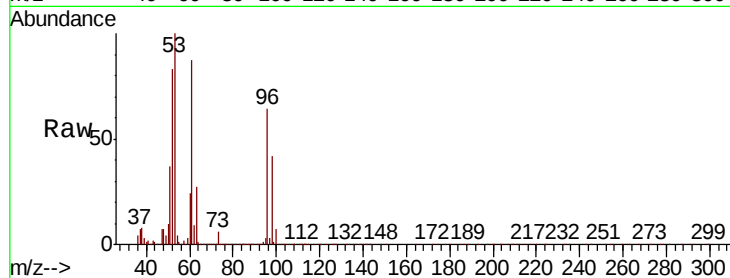
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	249444
Ion	Ratio	Lower	Upper
96	100		
61	136.6	103.7	155.5
98	66.1	51.0	76.6

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#22

Diisopropyl ether

Concen: 52.711 ug/l

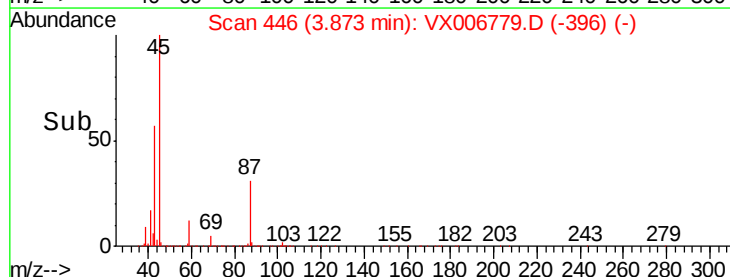
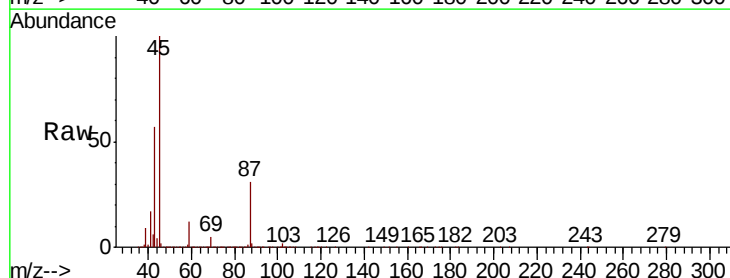
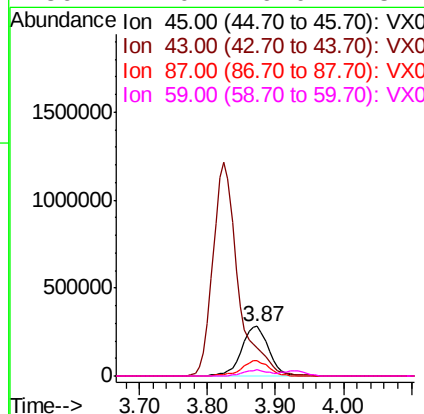
RT: 3.87 min Scan# 446

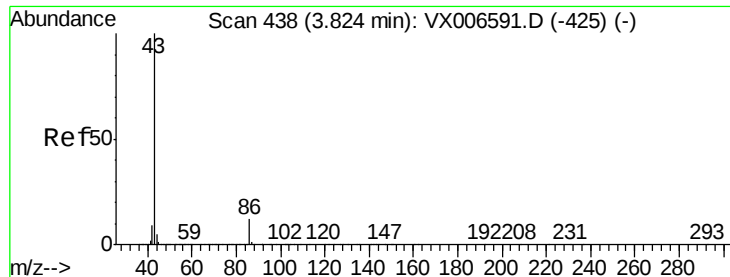
Delta R.T. 0.01 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Tgt Ion:	45	Resp:	781811
Ion	Ratio	Lower	Upper
45	100		
43	56.5	51.2	76.8
87	31.2	25.8	38.6
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 257.487 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3123841

Ion Ratio Lower Upper

43 100

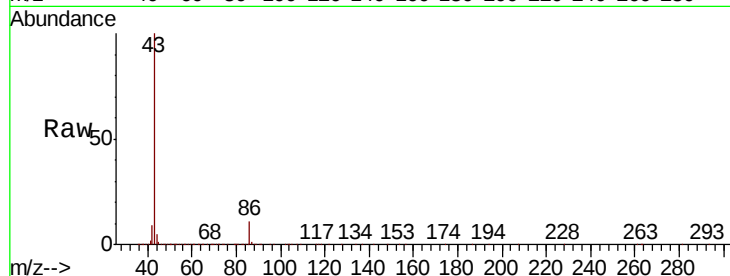
86 11.0 9.2 13.8

Manual Integrations

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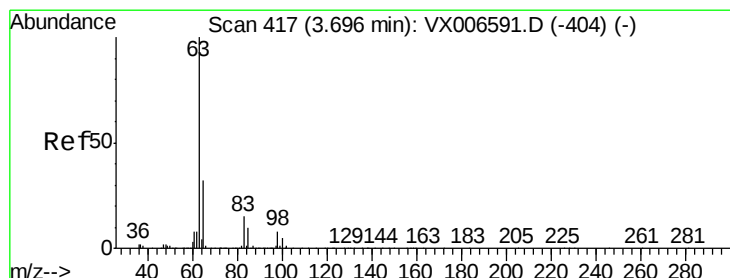
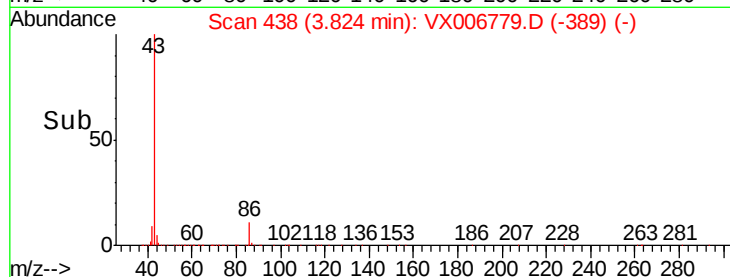
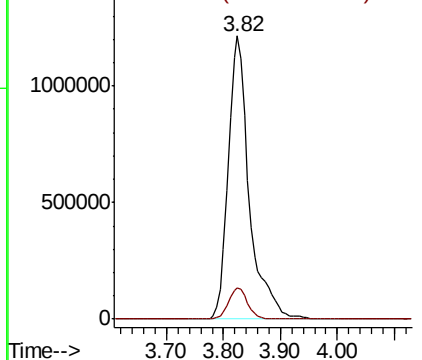
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.582 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

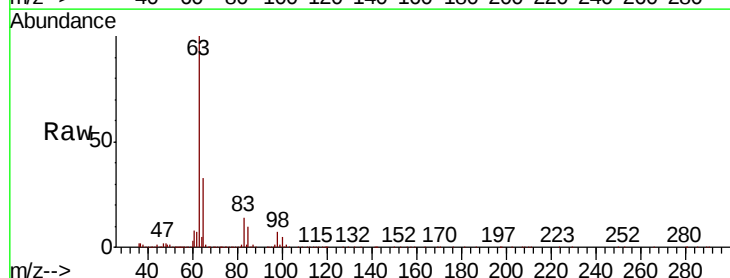
Tgt Ion: 63 Resp: 430146

Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.5

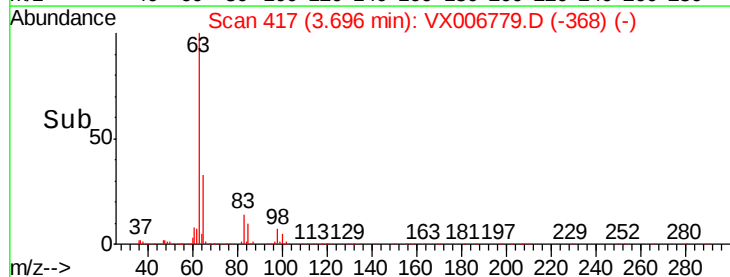
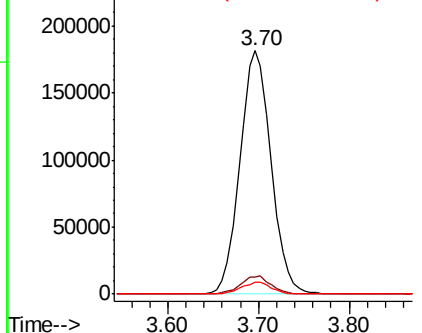
100 5.1 2.4 7.2

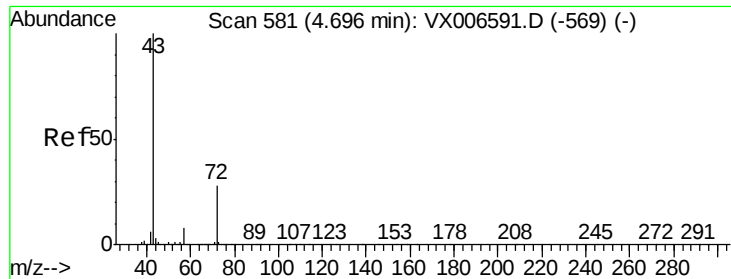


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 255.099 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 957817

Ion Ratio Lower Upper

43 100

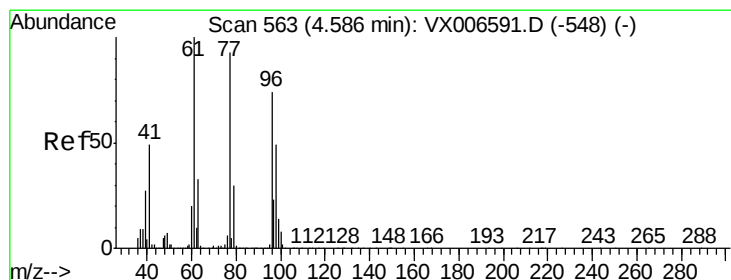
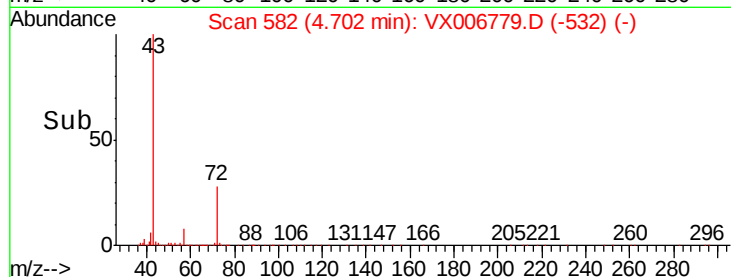
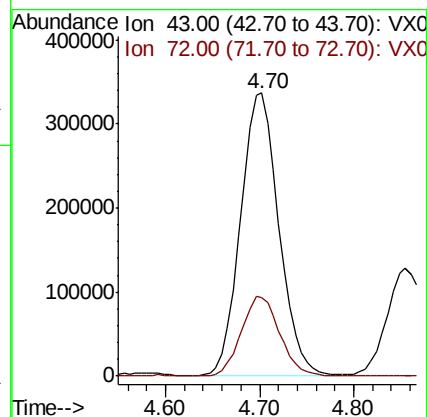
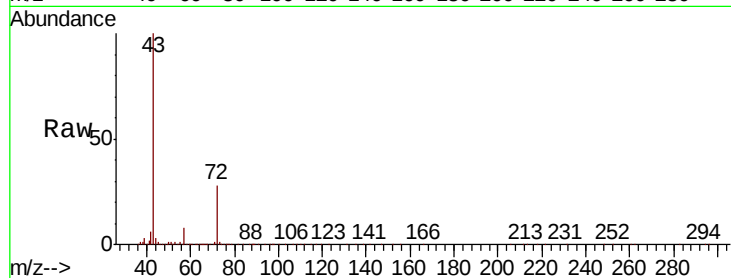
72 27.7 22.4 33.6

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#26

2,2-Dichloropropane

Concen: 41.825 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006779.D

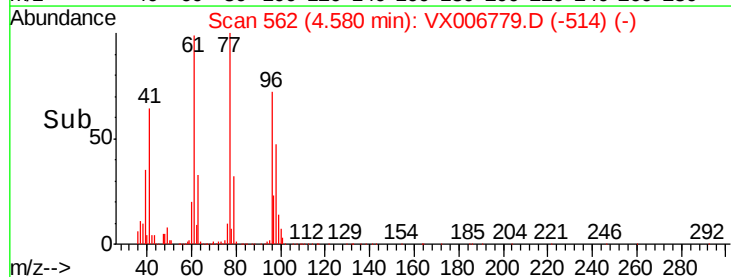
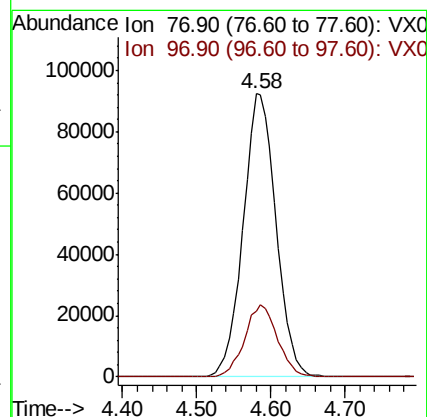
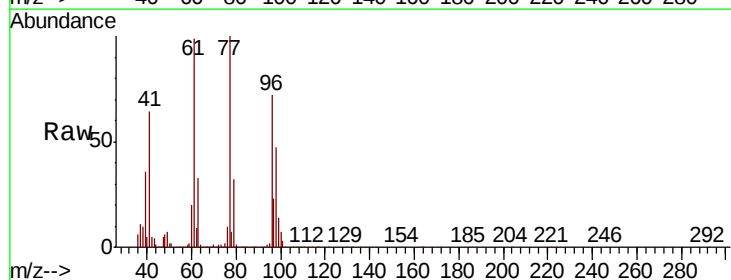
Acq: 22 Dec 2018 18:23

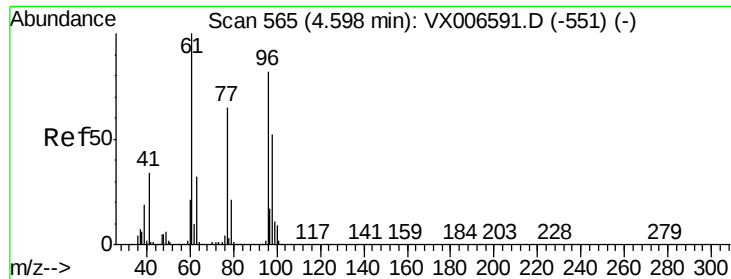
Tgt Ion: 77 Resp: 286056

Ion Ratio Lower Upper

77 100

97 25.6 12.4 37.4





#27

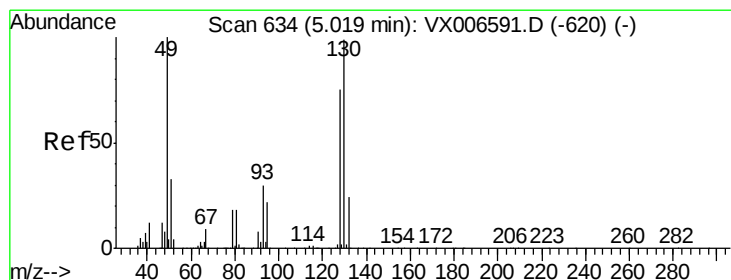
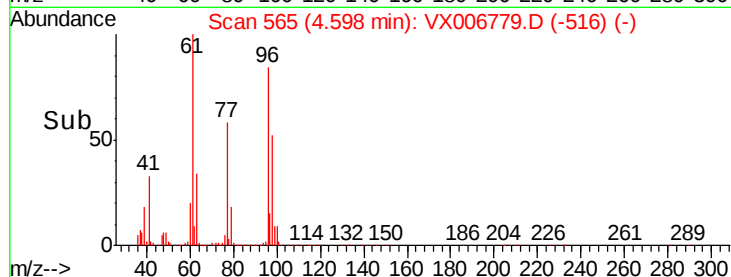
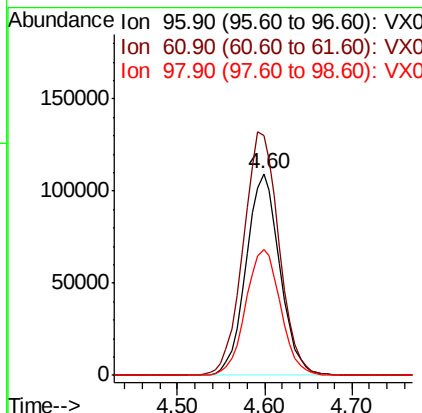
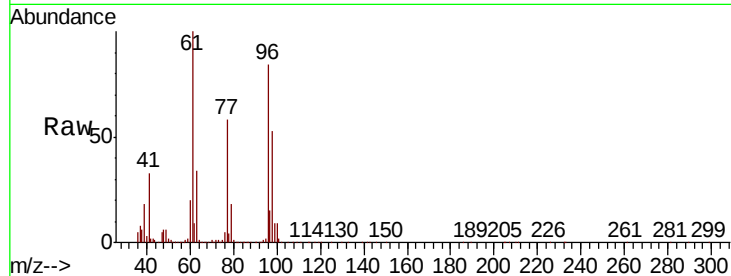
cis-1,2-Dichloroethene
 Concen: 49.730 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	292816		
61	127.8	0.0	258.6	
98	64.8	0.0	132.0	

Manual Integrations
 APPROVED

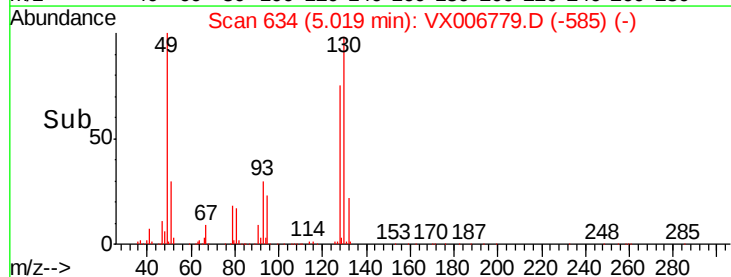
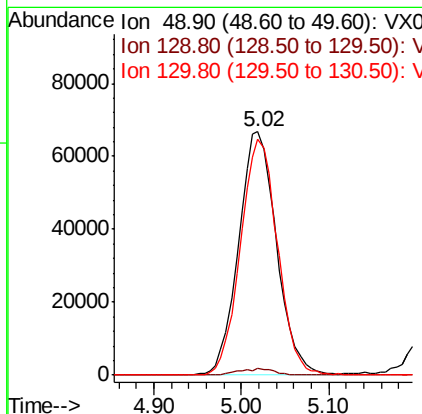
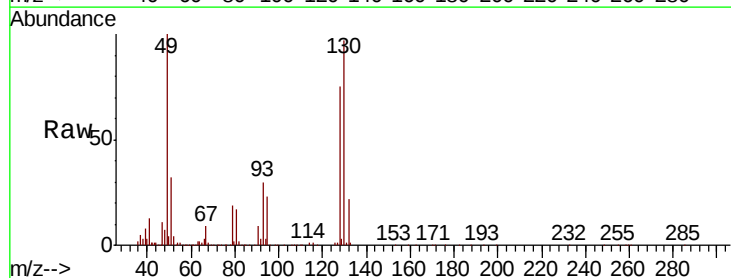
MMDadoda
 12/24/2018 11:47:46 AM

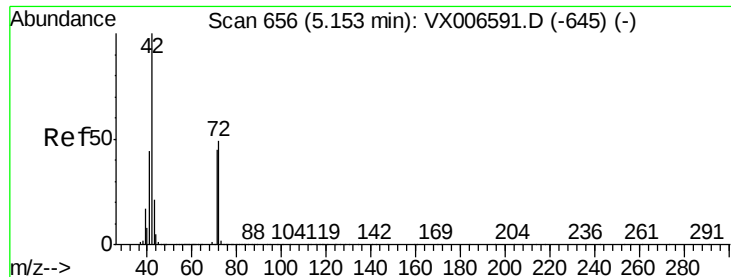


#28

Bromochloromethane
 Concen: 53.658 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	199762		
129	2.7	0.0	5.4	
130	95.3	77.7	116.5	





#29

Tetrahydrofuran

Concen: 263.599 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

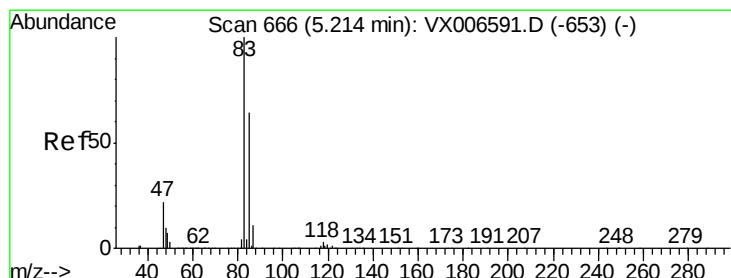
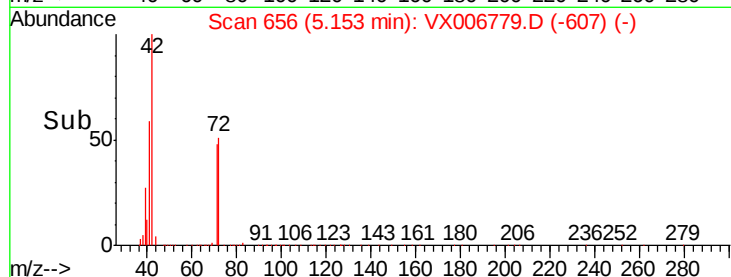
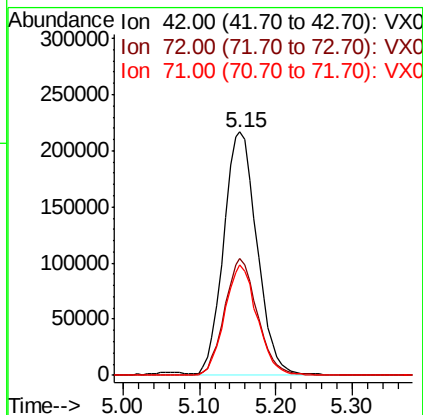
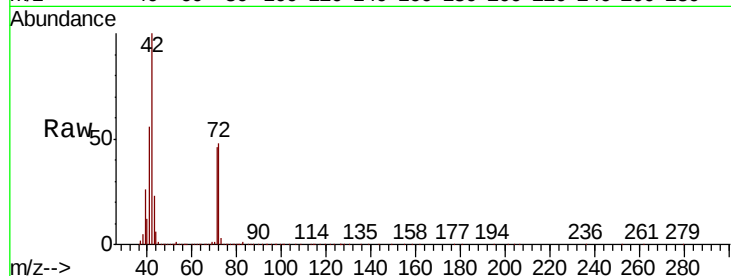
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	651868
Ion Ratio		Lower	Upper
42	100		
72	47.4	38.9	58.3
71	44.3	36.2	54.4

Manual Integrations
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#30

Chloroform

Concen: 50.698 ug/l

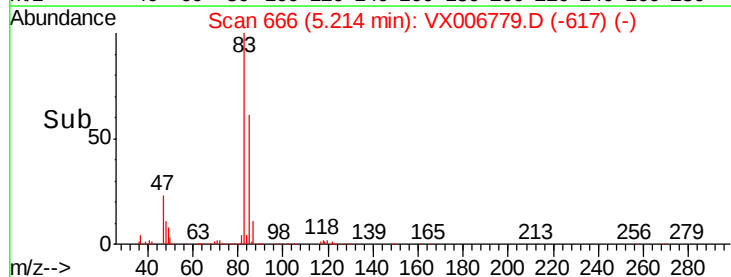
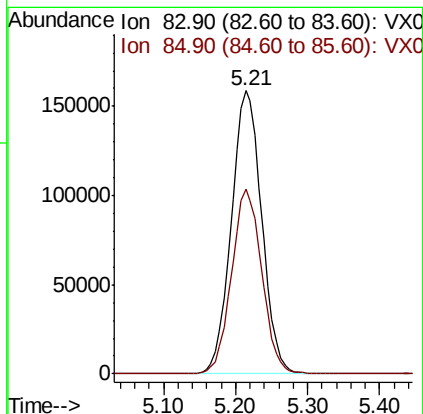
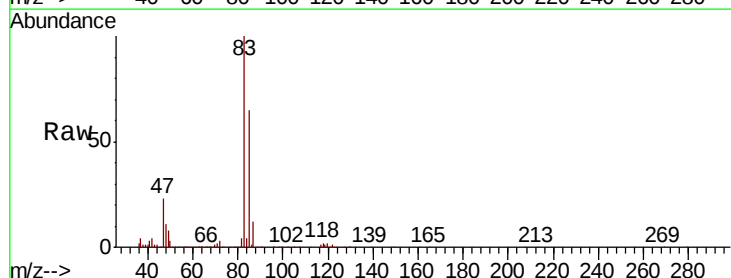
RT: 5.21 min Scan# 666

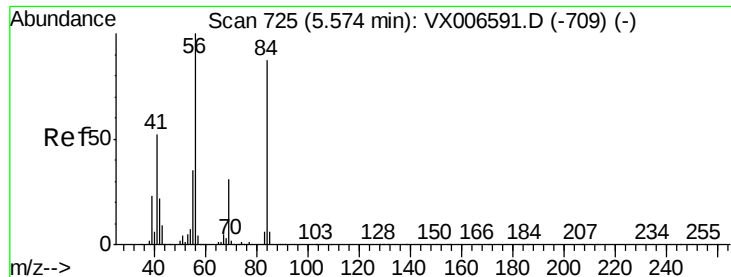
Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Tgt Ion:	83	Resp:	464835
Ion Ratio		Lower	Upper
83	100		
85	65.4	51.2	76.8





#31

Cyclohexane

Concen: 47.503 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

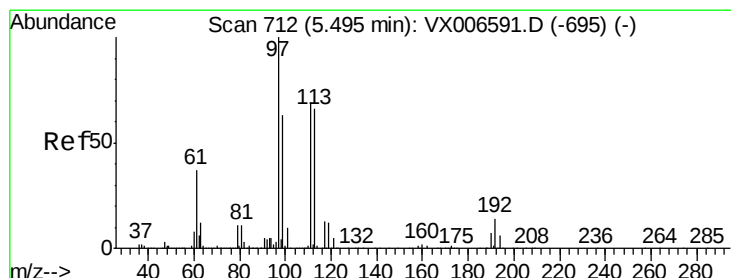
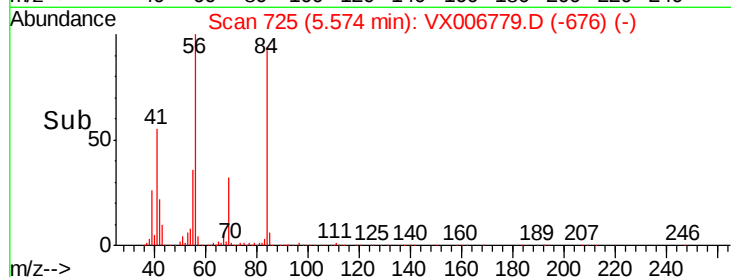
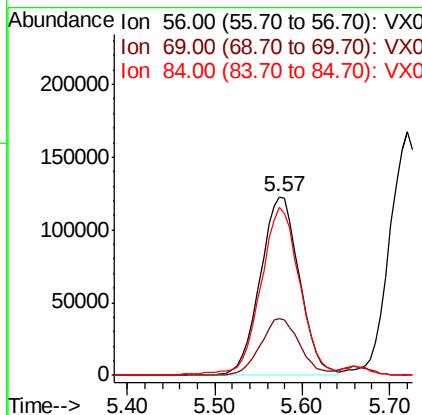
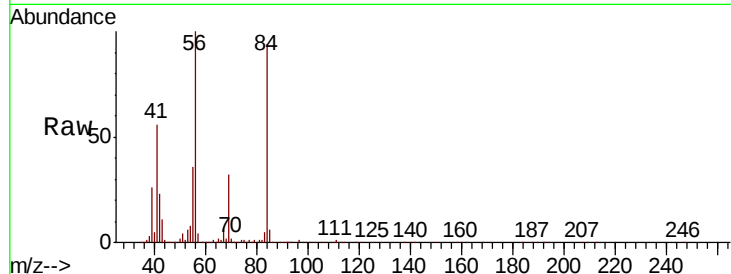
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	382094
Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.4	36.6
84	93.7	70.0	105.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.938 ug/l

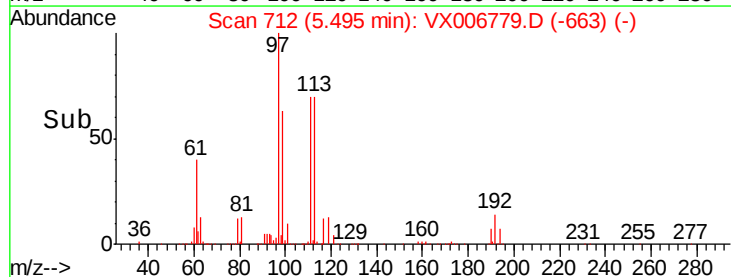
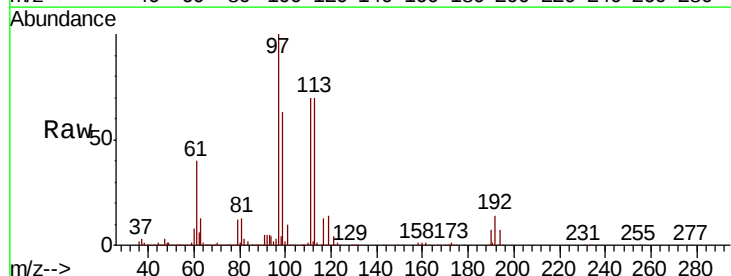
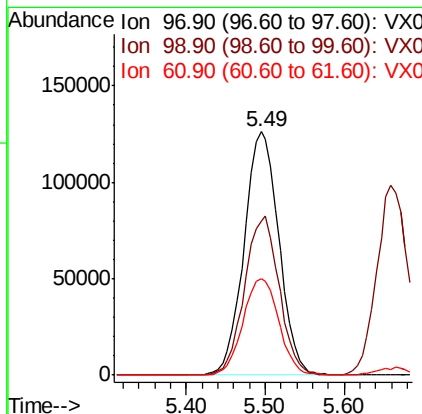
RT: 5.49 min Scan# 712

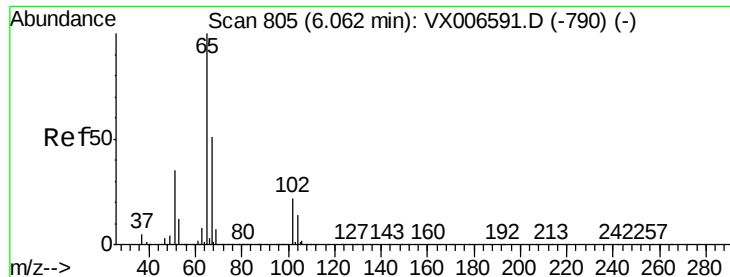
Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Tgt Ion:	97	Resp:	386619
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	40.9	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.397 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 292808

Ion Ratio Lower Upper

65 100

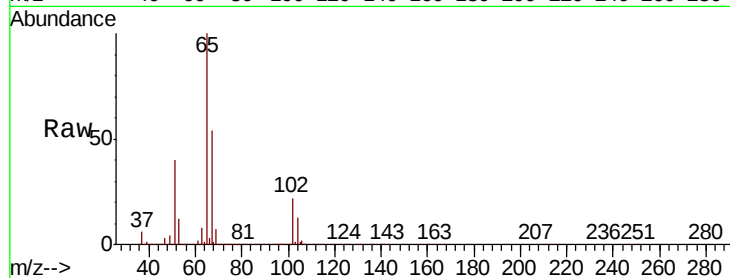
67 53.9 0.0 105.0

Manual Integrations

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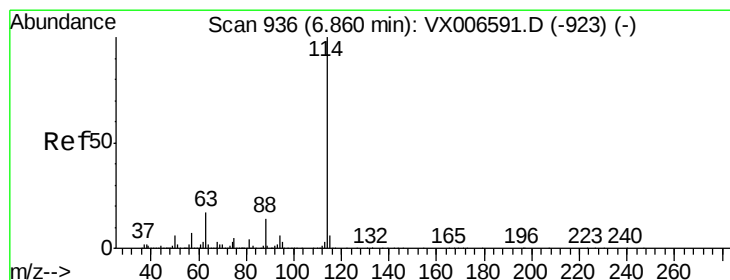
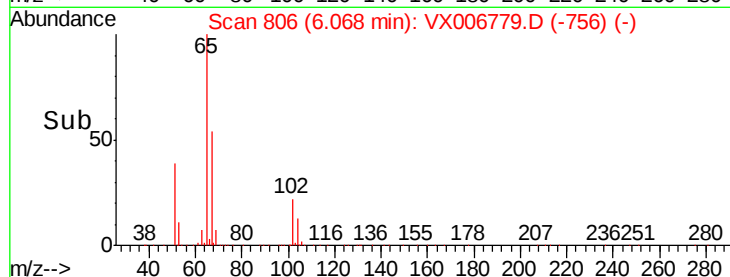
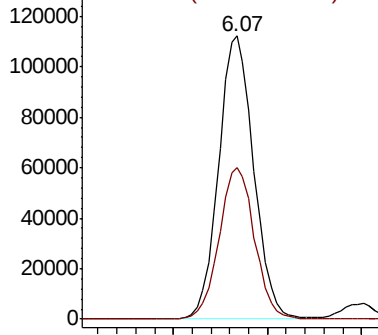
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

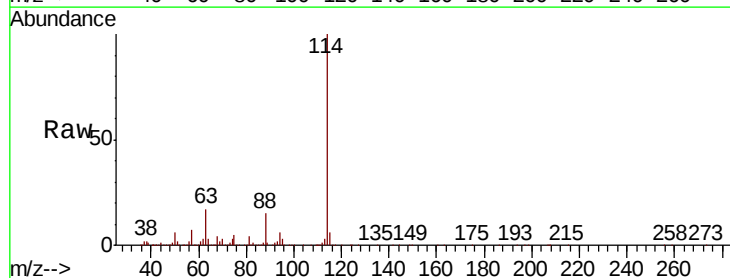
Tgt Ion: 114 Resp: 839155

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.8

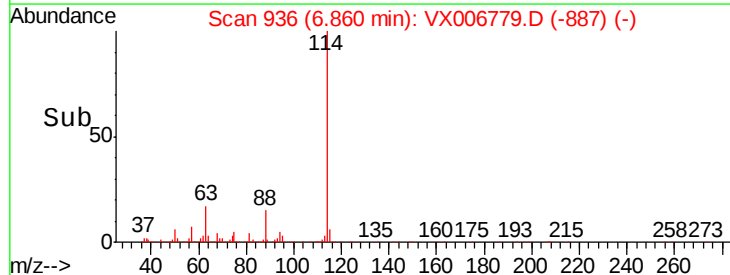
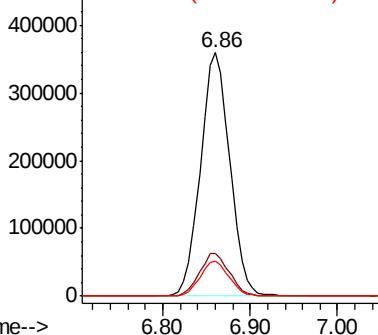
88 14.5 0.0 28.8

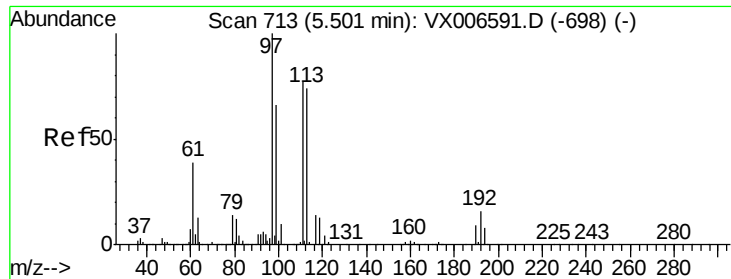


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





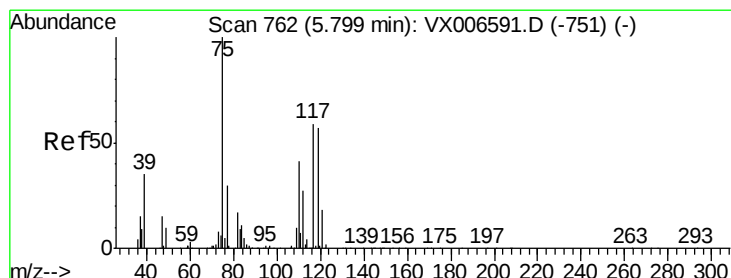
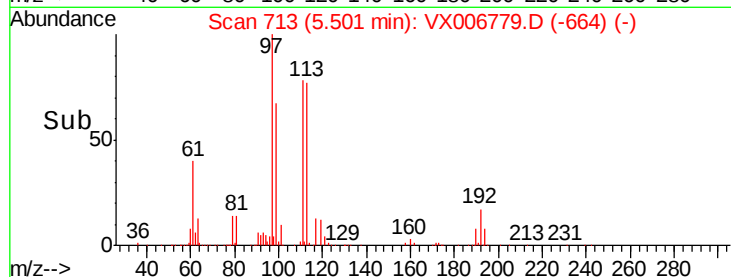
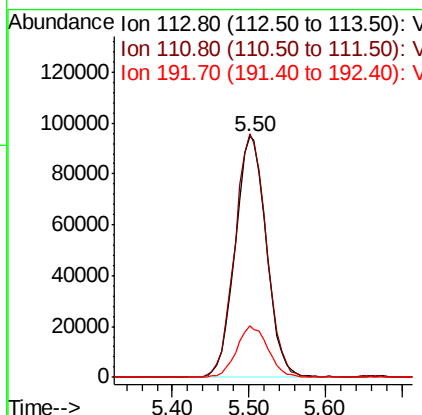
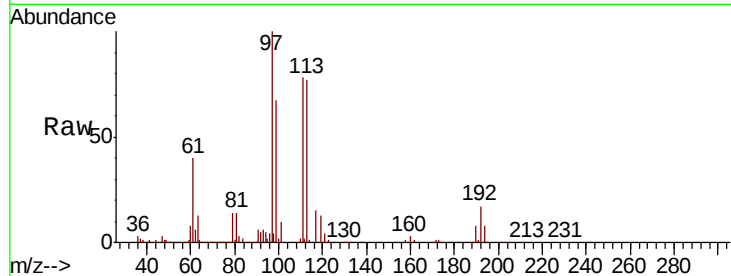
#35
 Dibromofluoromethane
 Concen: 50.331 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	21.5	16.7	25.1

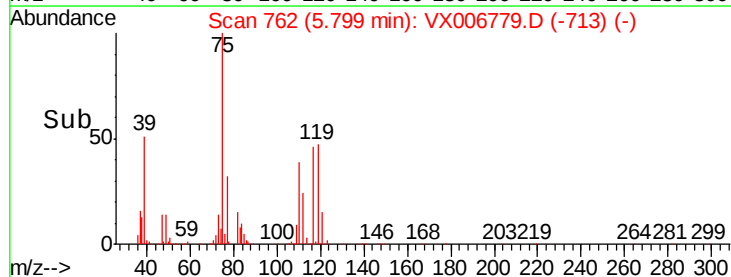
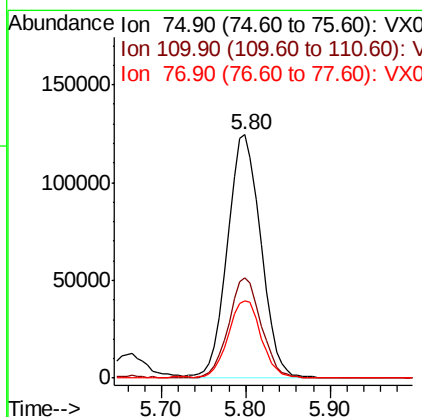
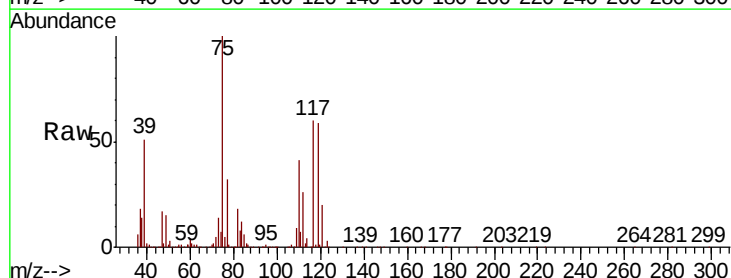
Manual Integrations
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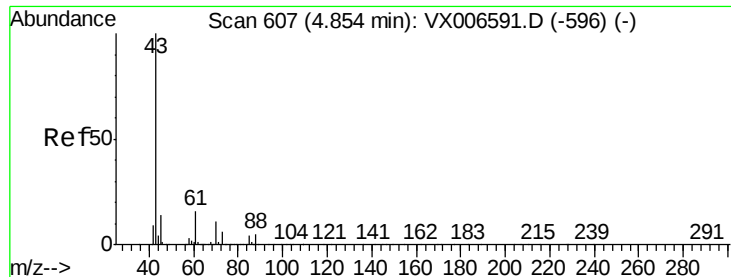
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#36
 1,1-Dichloropropene
 Concen: 48.022 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.3	20.2	60.5
77	31.3	24.8	37.2





#37

Ethyl Acetate

Concen: 51.402 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

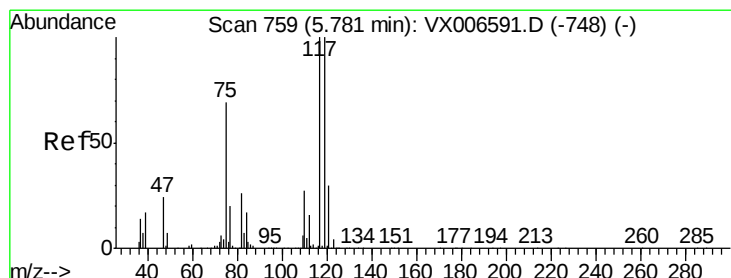
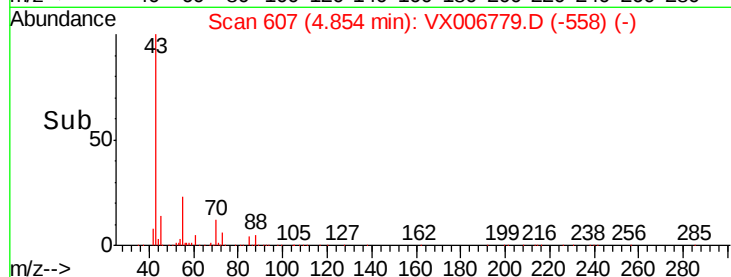
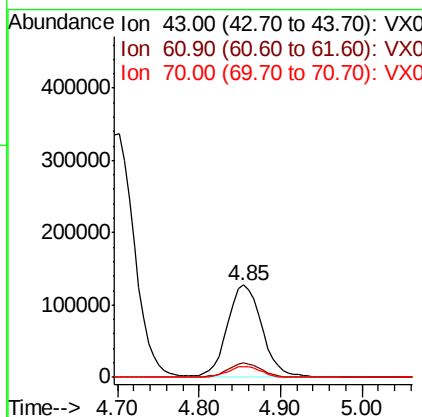
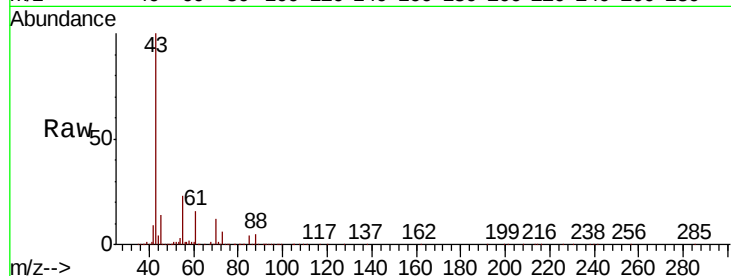
ClientSampleId :

VSTDCCC050EC

Tot Ion	43	Resp	371835
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.9	17.9
70	11.5	9.7	14.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 48.291 ug/l

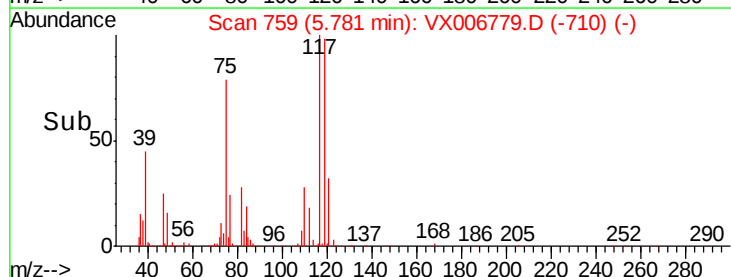
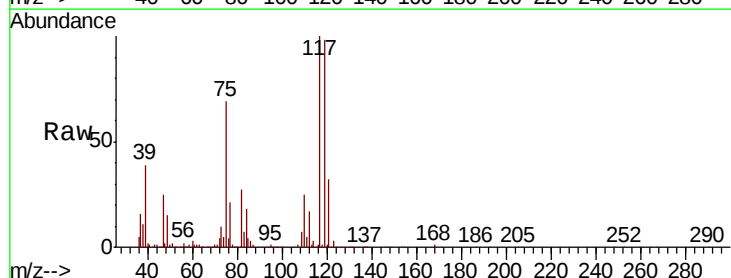
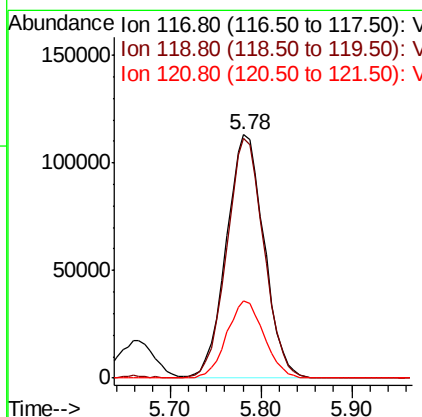
RT: 5.78 min Scan# 759

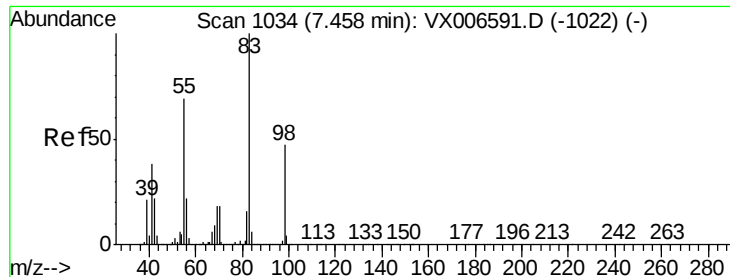
Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Tgt Ion	117	Resp	326179
Ion	Ratio	Lower	Upper
117	100		
119	98.2	79.4	119.2
121	31.6	24.0	36.0





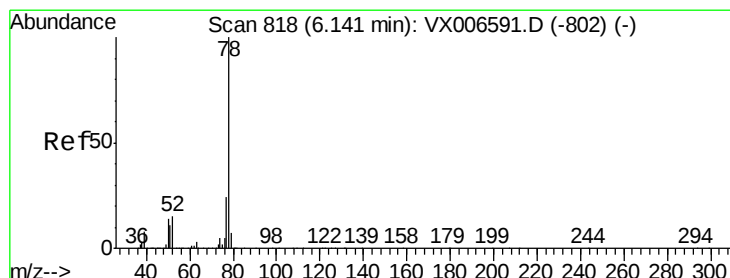
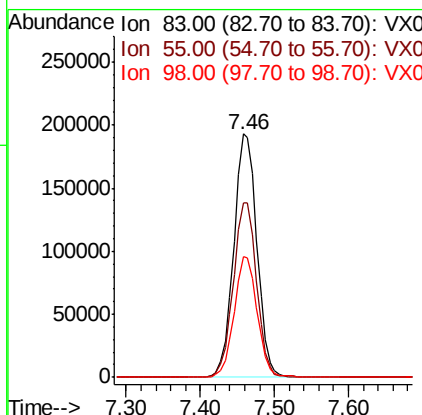
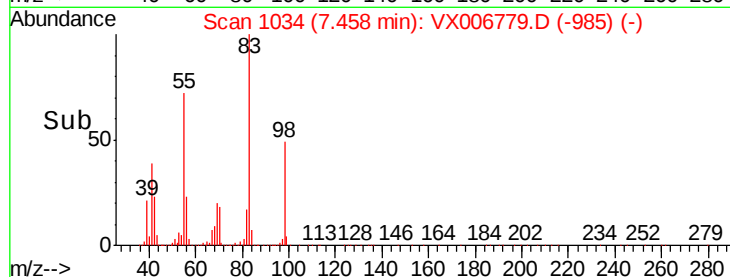
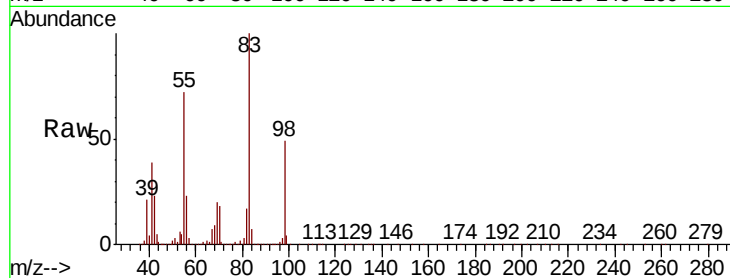
#39
Methvlcvclohexane
Concen: 46.092 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.7	54.9	82.3
98	49.4	37.9	56.9

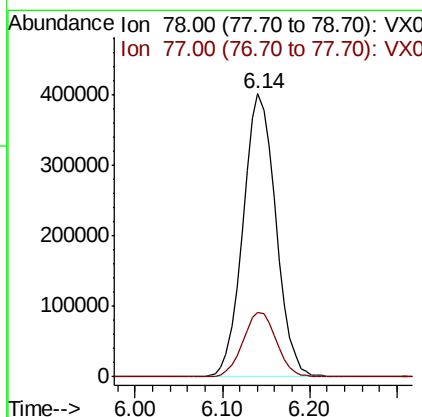
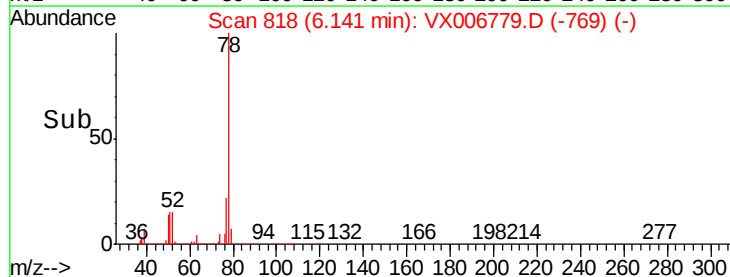
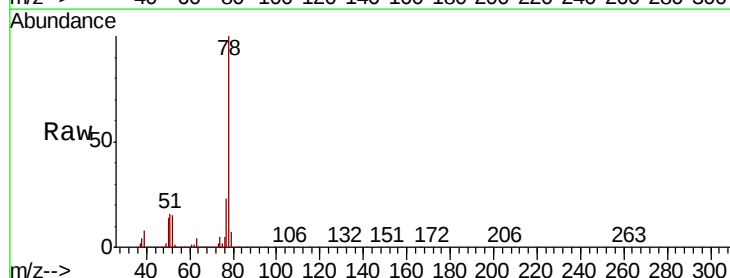
Manual Integrations
APPROVED

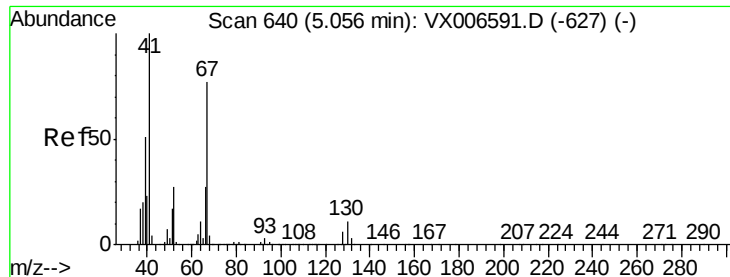
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#40
Benzene
Concen: 49.423 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.2	28.8





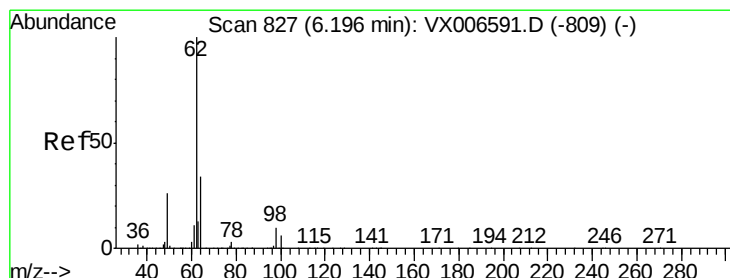
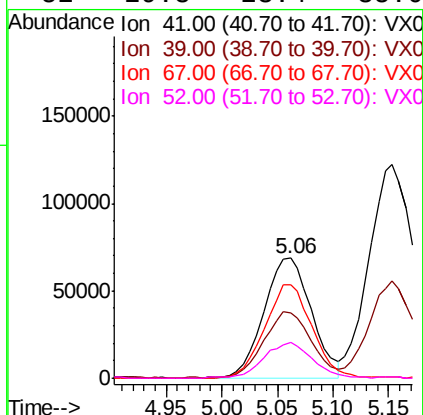
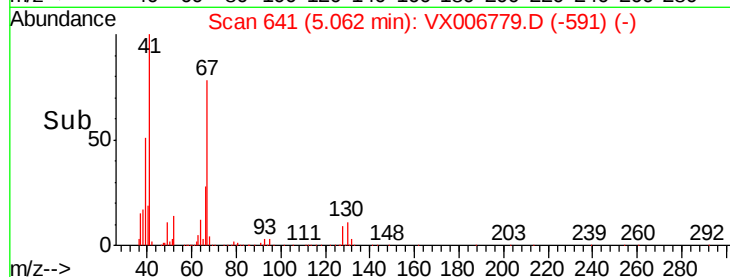
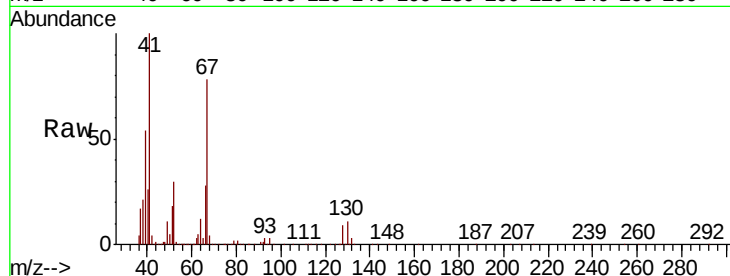
#41
Methacrylonitrile
Concen: 53.092 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.5	42.8	64.2
67	78.6	62.1	93.1
52	29.8	23.4	35.0

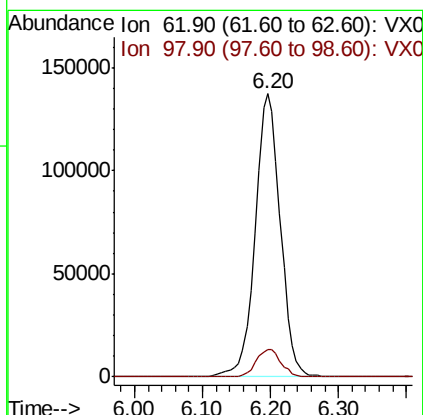
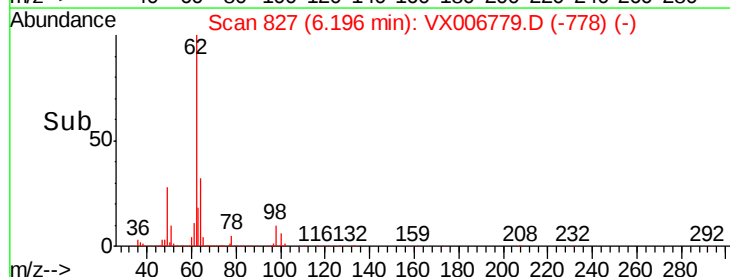
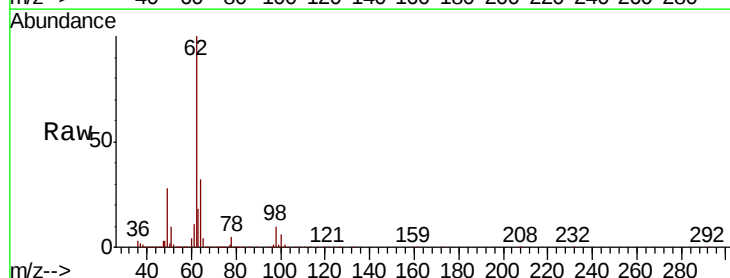
Manual Integrations
APPROVED

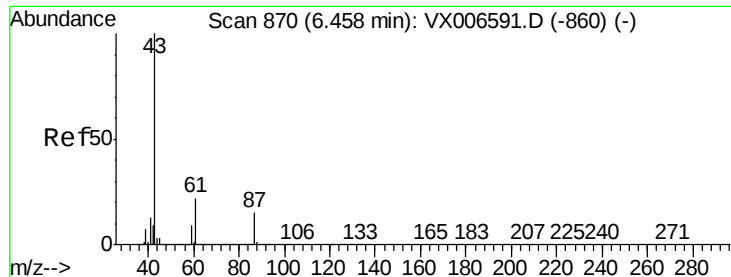
MMDadoda
12/24/2018 11:47:46 AM



#42
1,2-Dichloroethane
Concen: 48.902 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

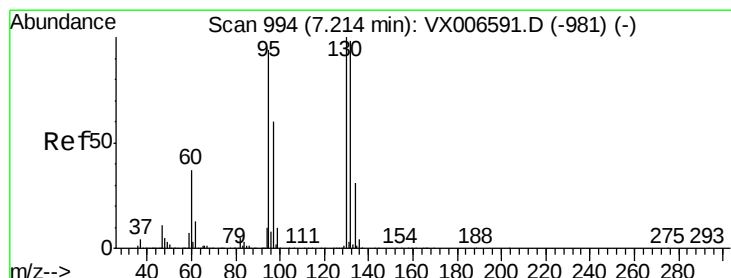
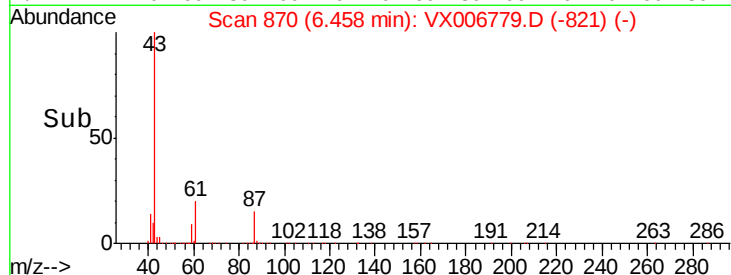
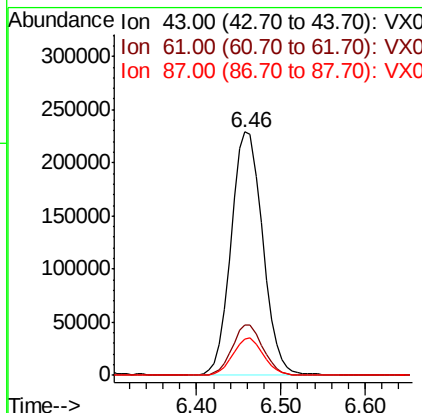
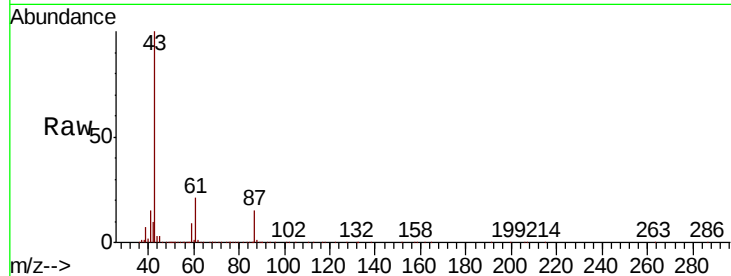
Isopropyl Acetate
 Concen: 52.670 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.8	25.2
87	14.9	12.4	18.6

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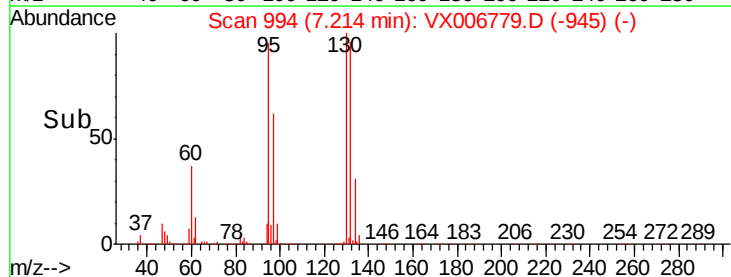
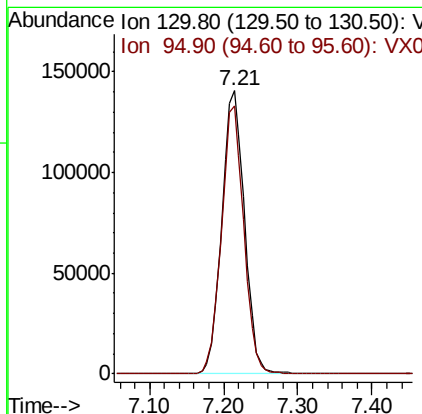
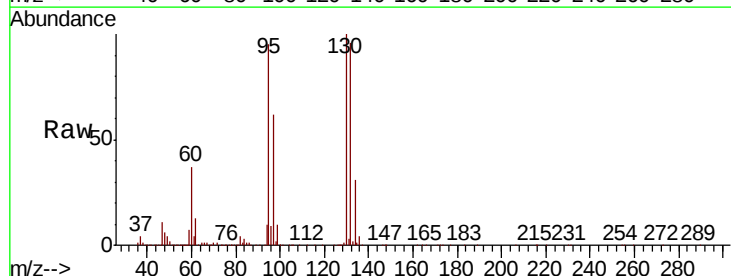
MMDadoda
 12/24/2018 11:47:46 AM



#44

Trichloroethene
 Concen: 46.770 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	187.0





#45

1,2-Dichloropropane

Concen: 50.847 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 261404

Ion Ratio Lower Upper

63 100

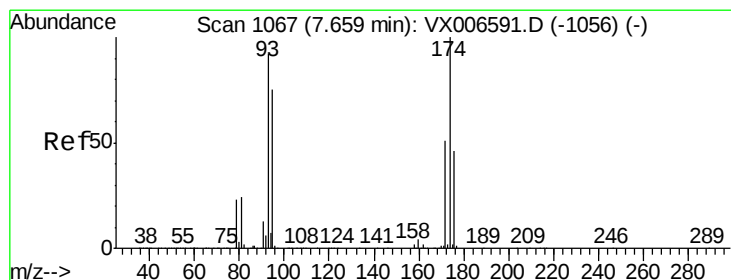
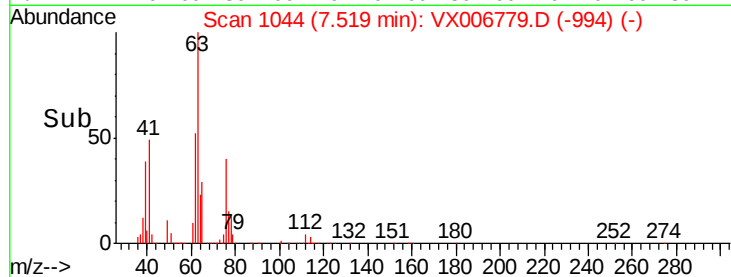
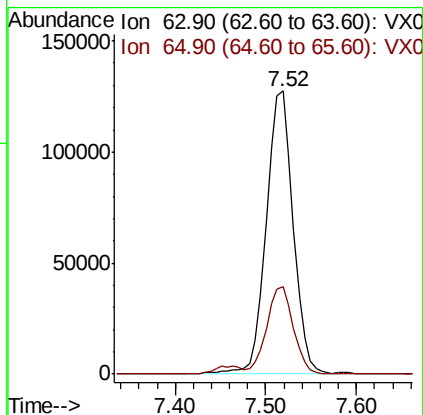
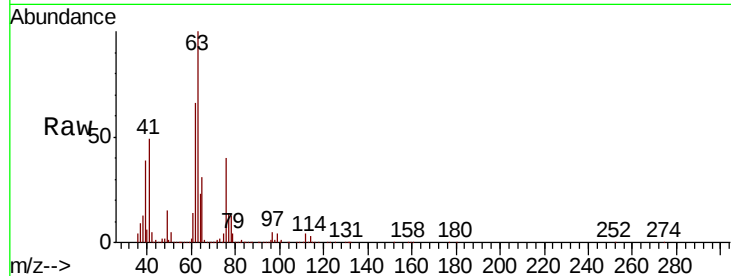
65 30.7 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 49.027 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

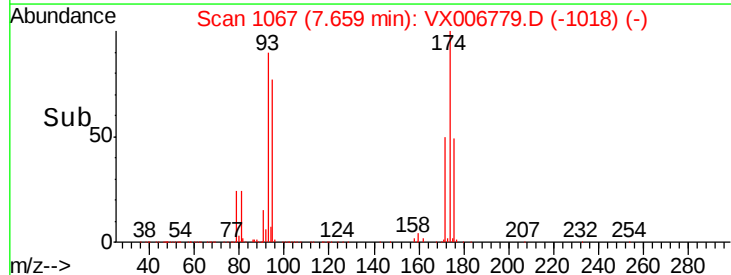
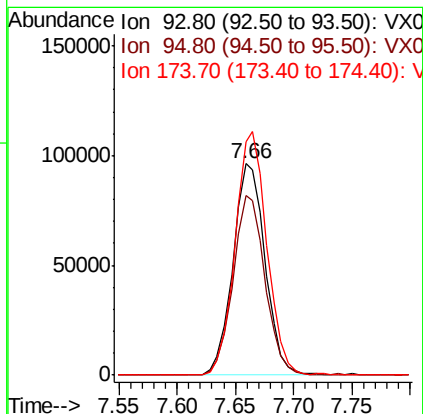
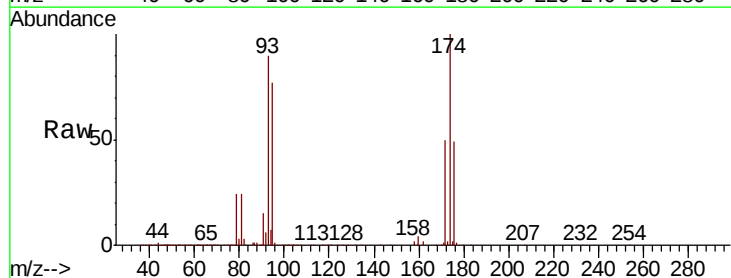
Tgt Ion: 93 Resp: 185396

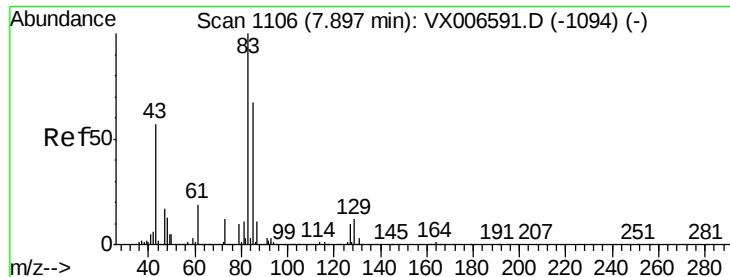
Ion Ratio Lower Upper

93 100

95 84.5 66.2 99.4

174 114.0 91.0 136.4





#47

Bromodichloromethane

Concen: 50.784 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

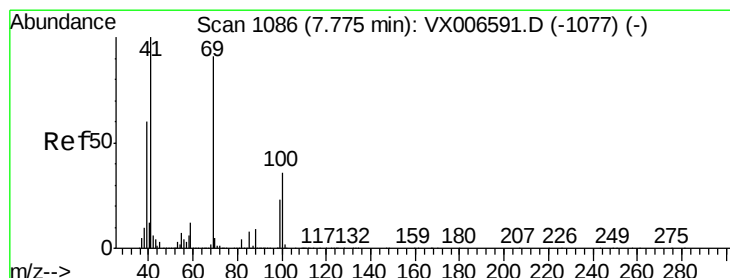
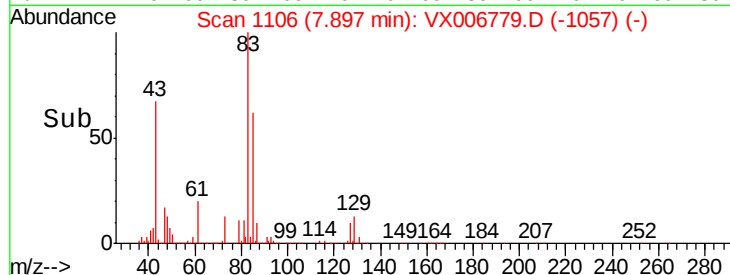
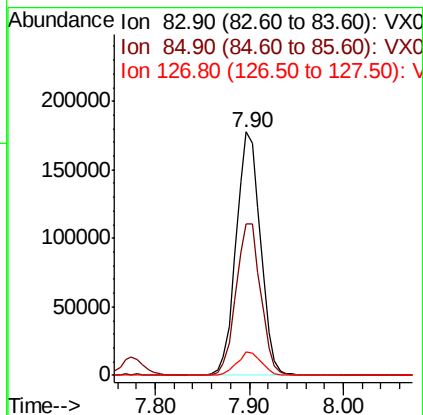
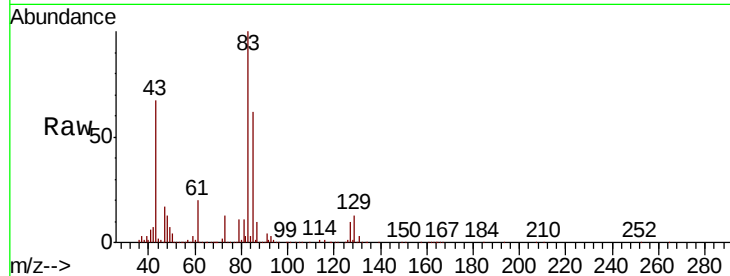
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	318828
Ion Ratio	Lower	Upper	
83	100		
85	62.3	53.2	79.8
127	9.8	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.036 ug/l

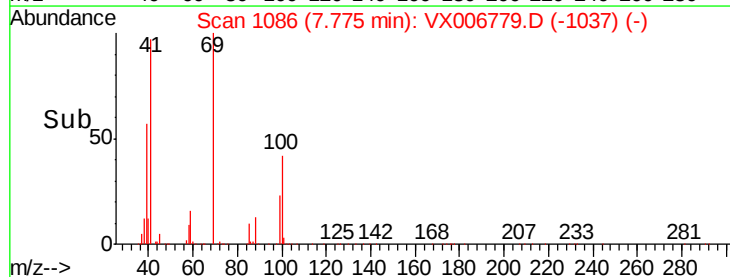
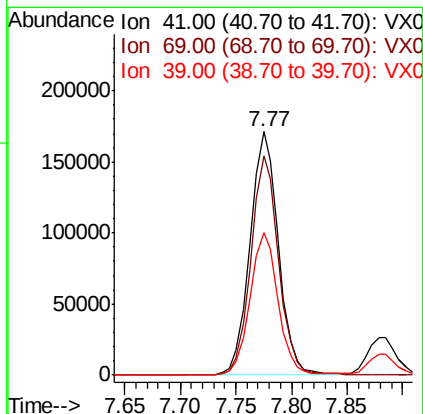
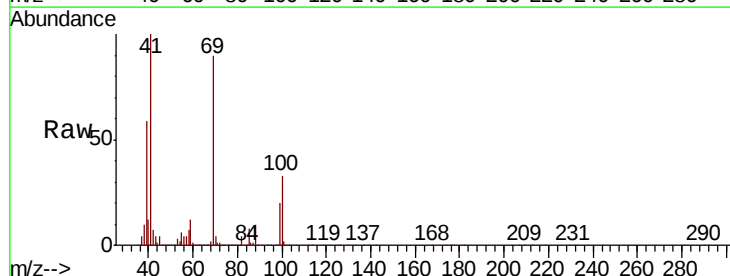
RT: 7.77 min Scan# 1086

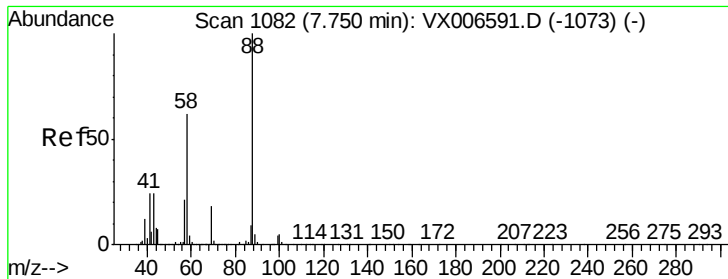
Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Tgt Ion:	41	Resp:	302451
Ion Ratio	Lower	Upper	
41	100		
69	88.2	72.4	108.6
39	58.0	45.8	68.8





#49

1,4-Dioxane

Concen: 996.411 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

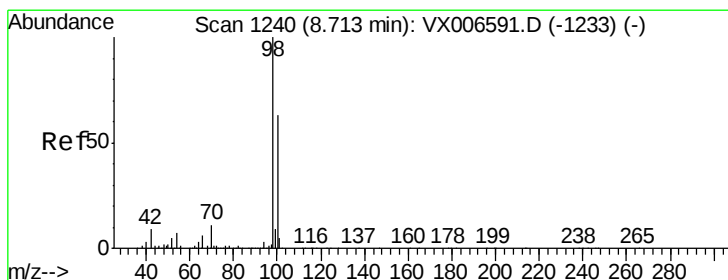
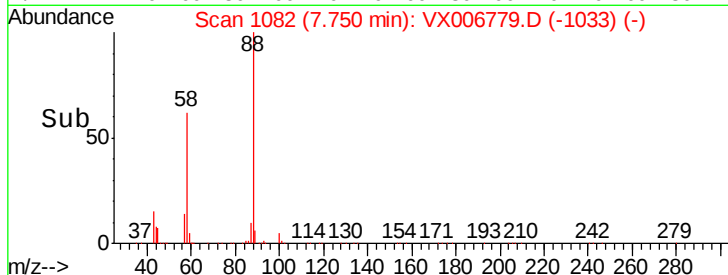
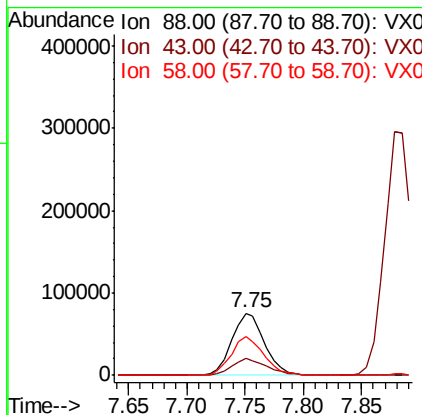
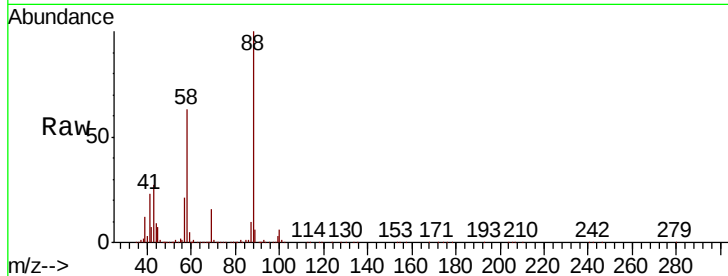
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	145932
Ion Ratio	Lower	Upper	
88	100		
43	28.9	22.2	33.4
58	63.9	51.0	76.4

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#50

Toluene-d8

Concen: 49.271 ug/l

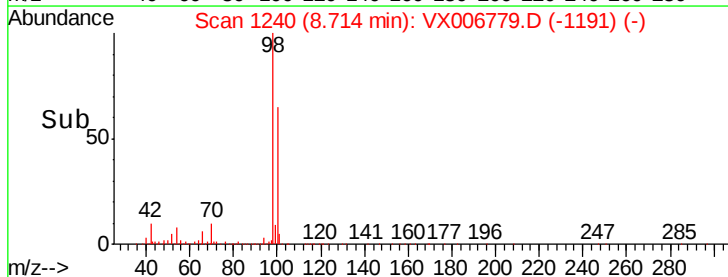
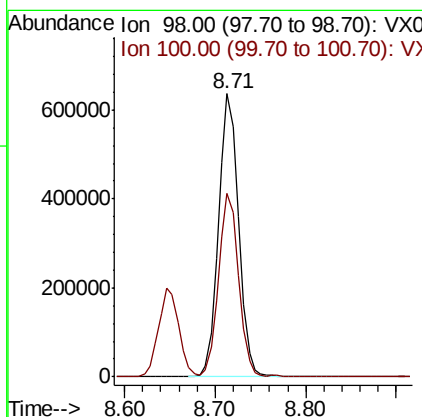
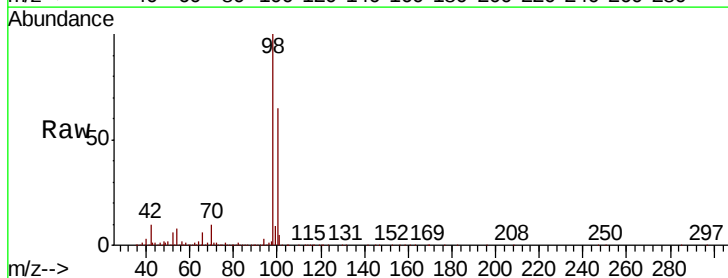
RT: 8.71 min Scan# 1240

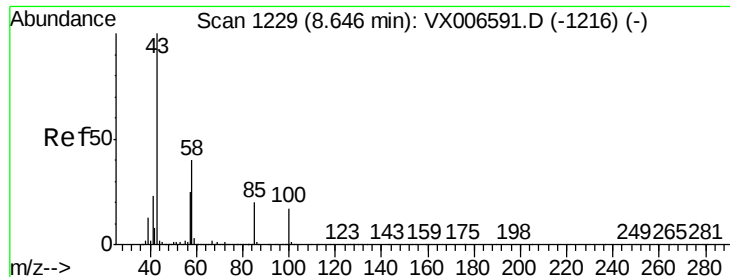
Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Tgt Ion:	98	Resp:	985725
Ion Ratio	Lower	Upper	
98	100		
100	64.8	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 264.543 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1852636

Ion Ratio Lower Upper

43 100

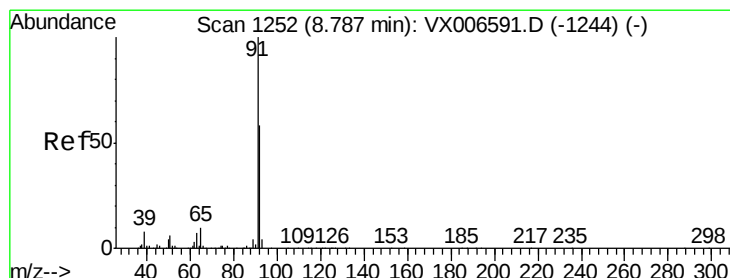
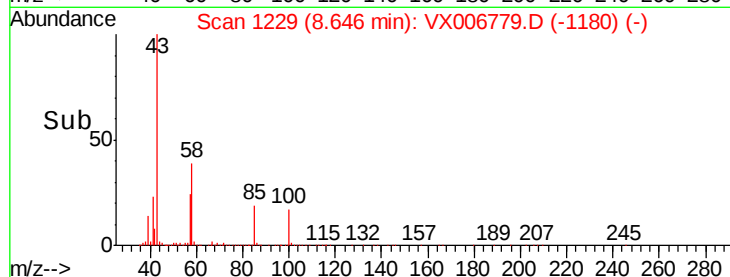
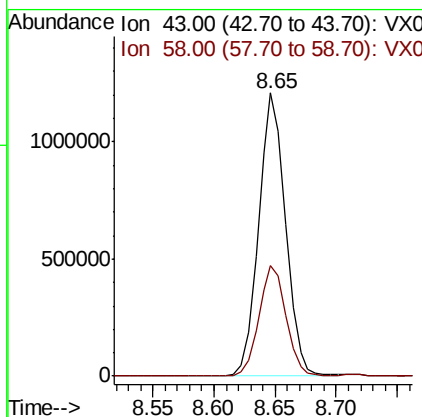
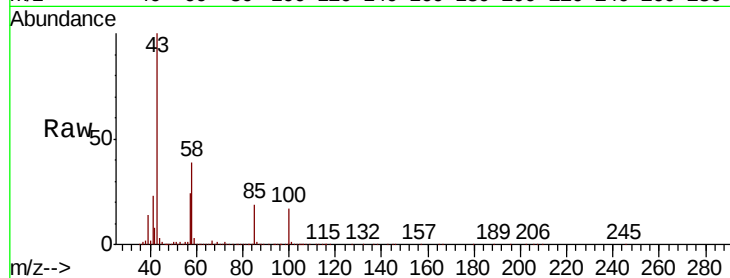
58 39.5 31.8 47.6

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#52

Toluene

Concen: 49.843 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006779.D

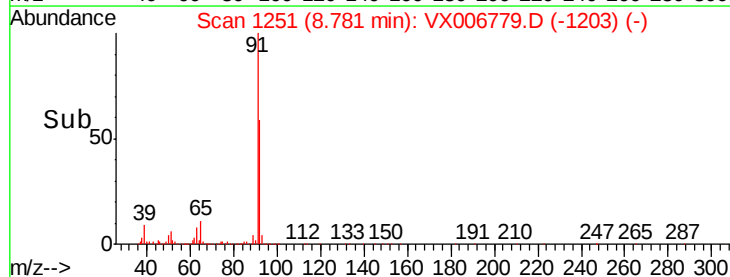
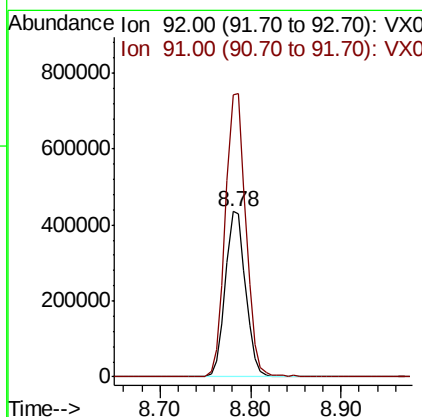
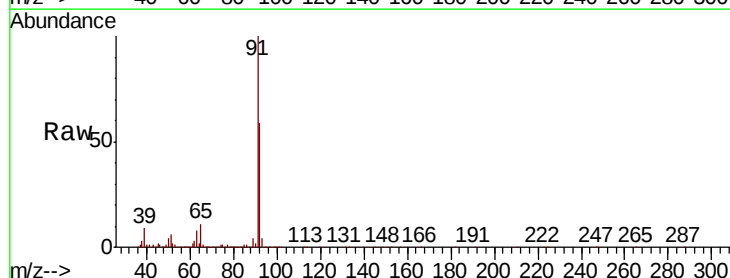
Acq: 22 Dec 2018 18:23

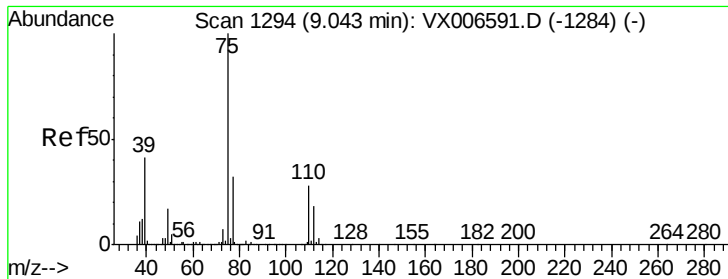
Tgt Ion: 92 Resp: 680277

Ion Ratio Lower Upper

92 100

91 173.7 137.6 206.4





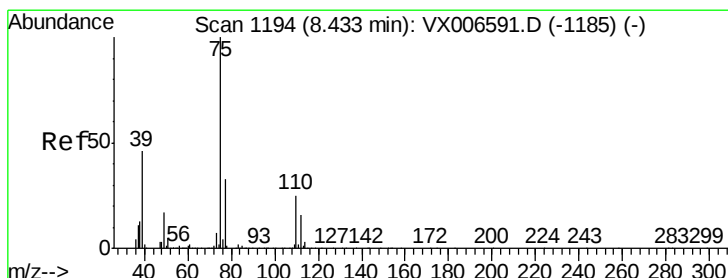
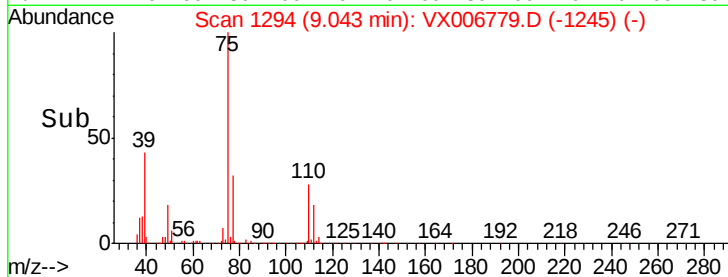
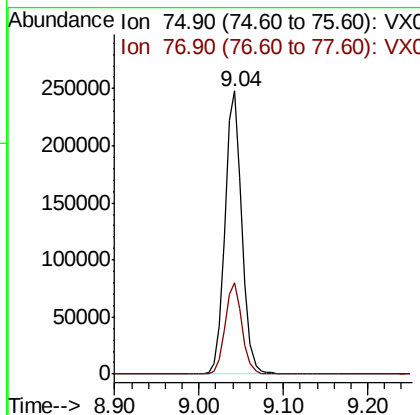
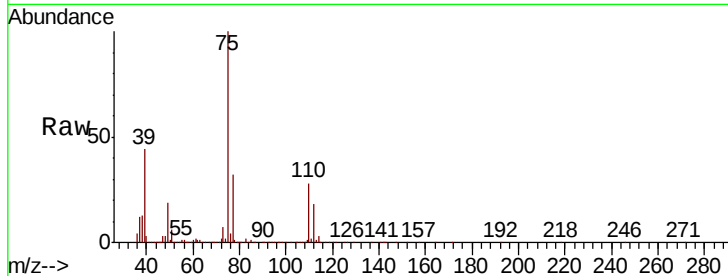
#53
t-1,3-Dichloropropene
Concen: 50.722 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0

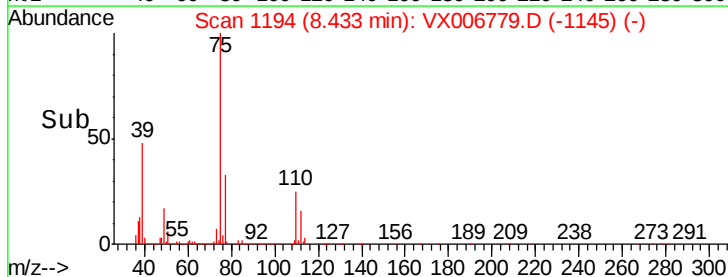
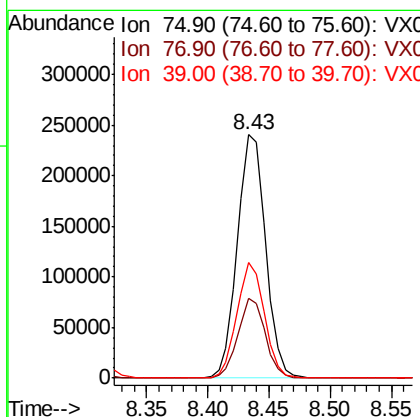
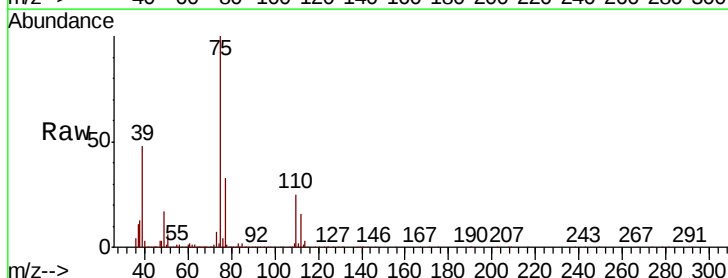
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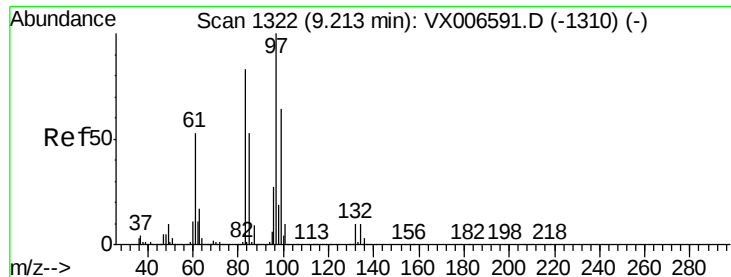
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#54
cis-1,3-Dichloropropene
Concen: 51.971 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.2	39.2
39	47.5	36.7	55.1





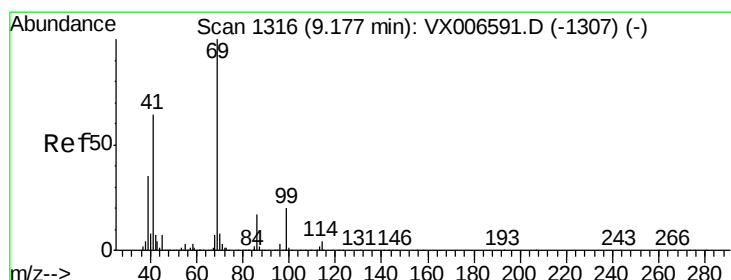
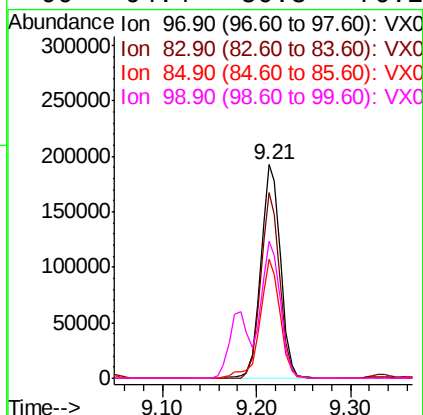
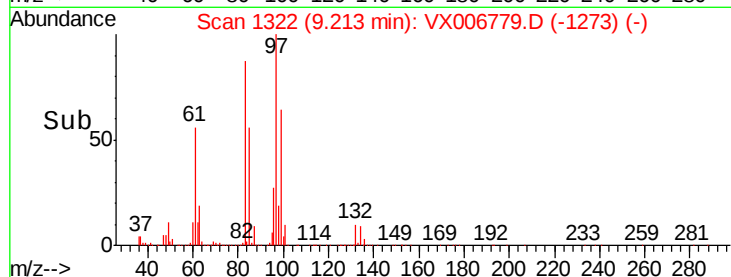
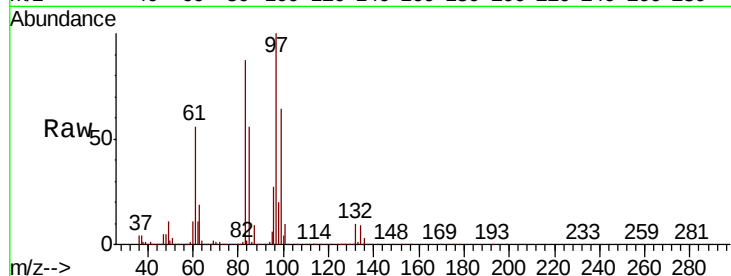
#55
 1,1,2-Trichloroethane
 Concen: 50.827 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		283945		
83	86.8	66.6	99.8		
85	55.9	42.7	64.1		
99	64.4	50.8	76.2		

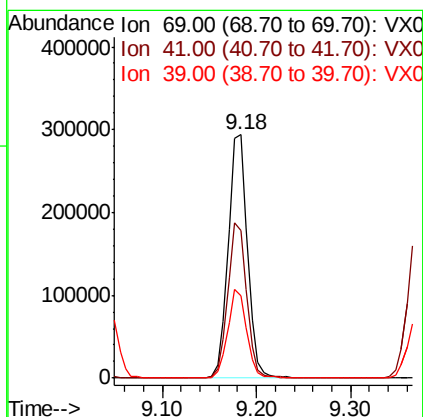
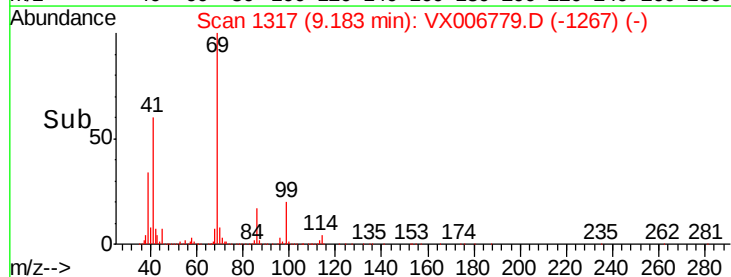
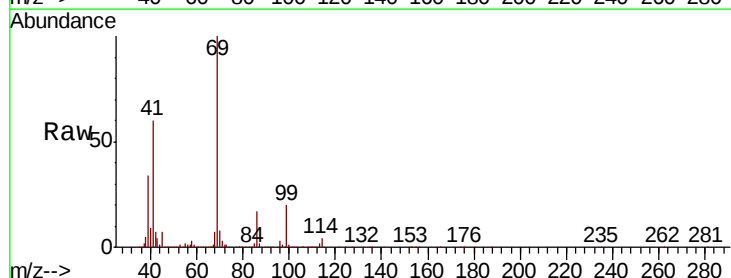
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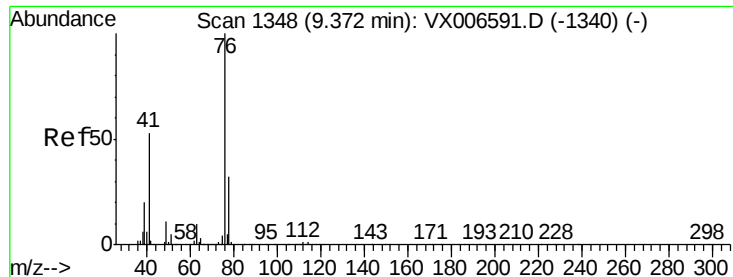
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#56
 Ethyl methacrylate
 Concen: 52.782 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		416760		
41	62.2	48.7	73.1		
39	35.5	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 50.481 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 453726

Ion Ratio Lower Upper

76 100

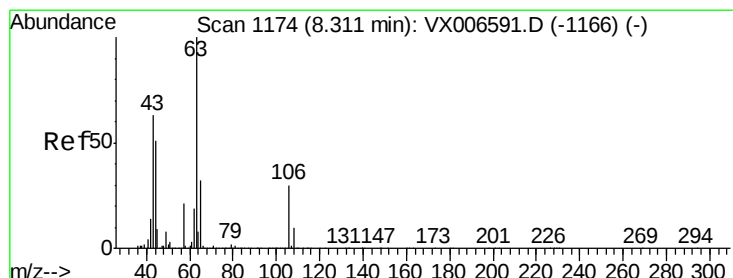
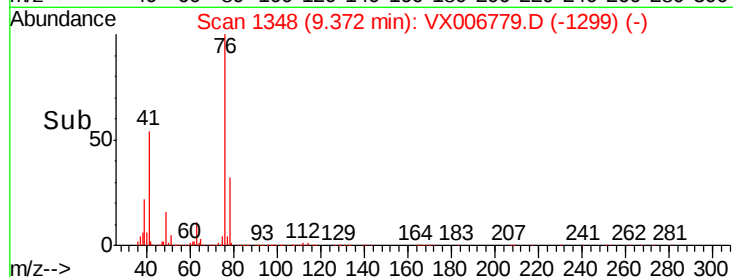
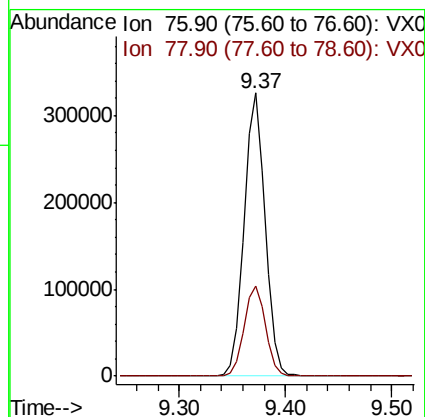
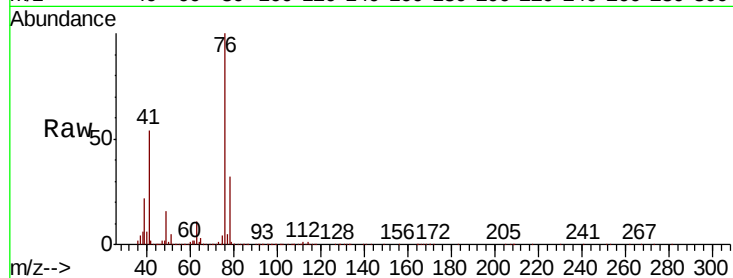
78 32.7 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 251.555 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006779.D

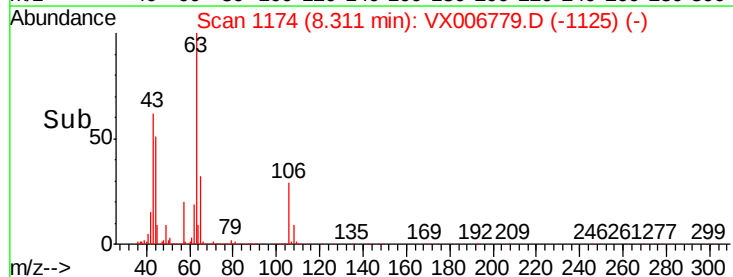
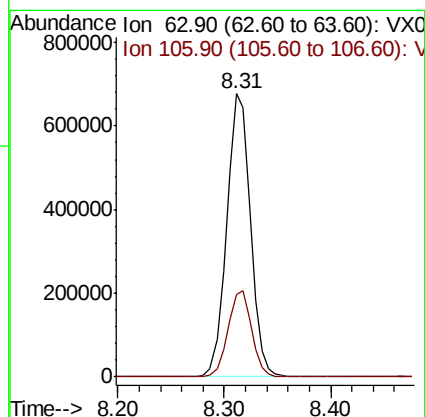
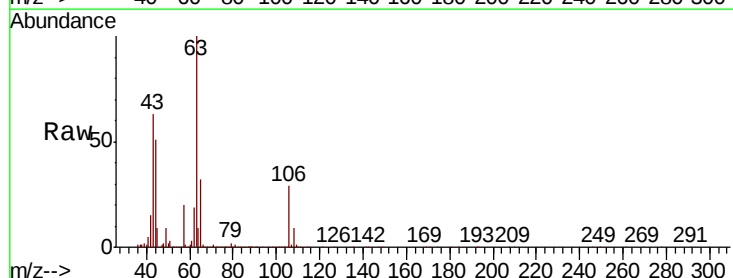
Acq: 22 Dec 2018 18:23

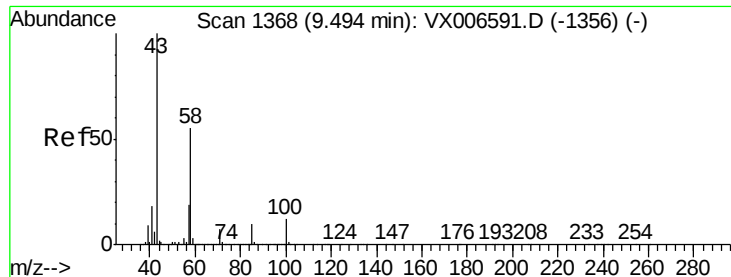
Tgt Ion: 63 Resp: 1055817

Ion Ratio Lower Upper

63 100

106 30.4 24.6 36.8





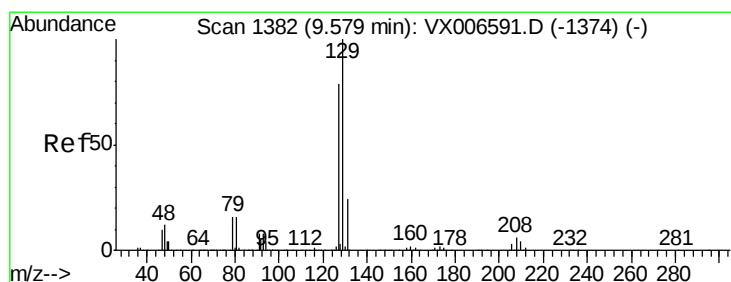
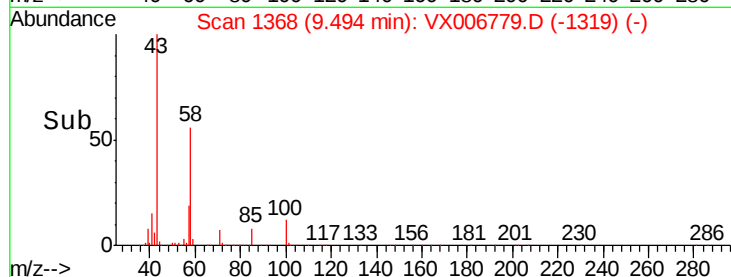
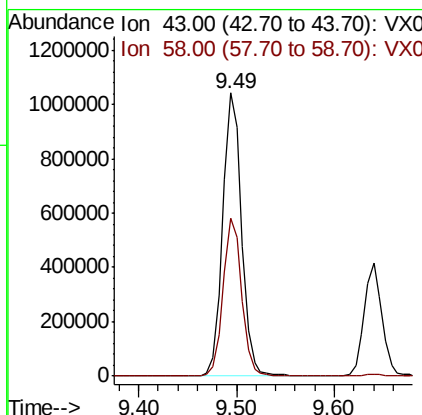
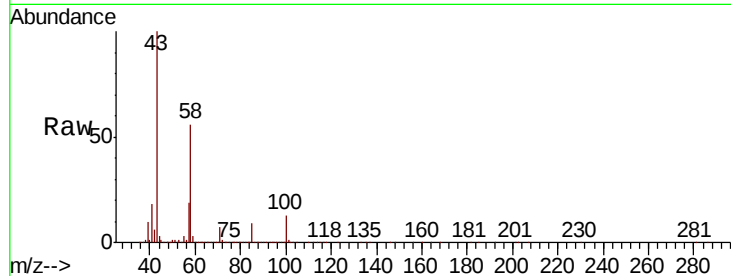
#59
2-Hexanone
Concen: 259.725 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1391669
Ion Ratio Lower Upper
43 100
58 55.2 27.7 83.1

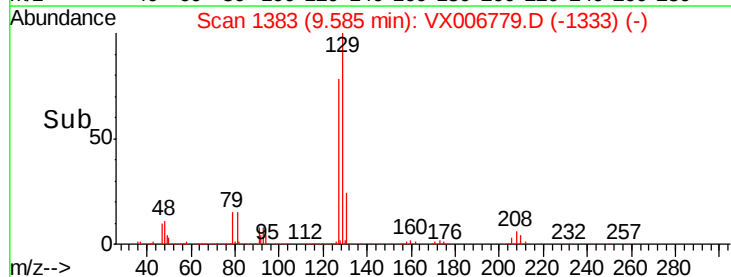
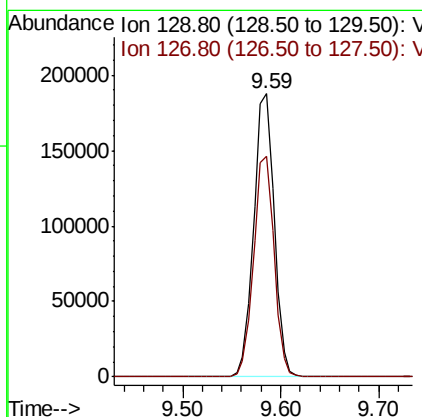
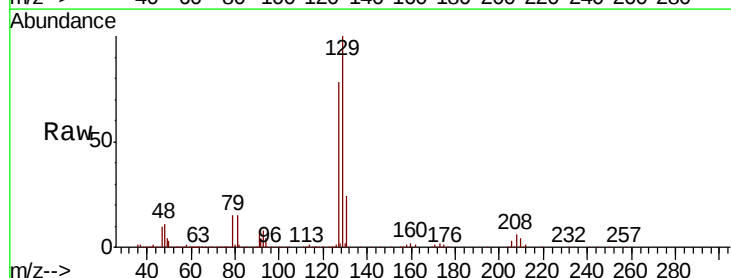
Manual Integrations
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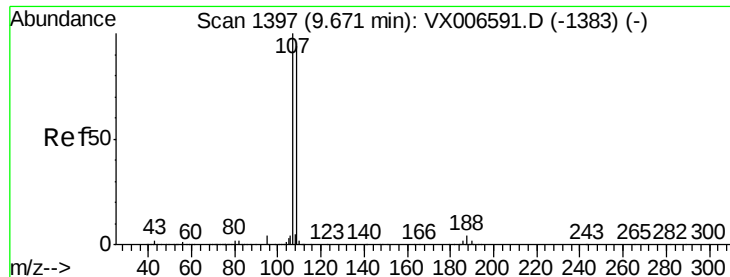
MMDadoda
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#60
Dibromochloromethane
Concen: 47.197 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion: 129 Resp: 274966
Ion Ratio Lower Upper
129 100
127 77.8 39.3 117.8





#61

1,2-Dibromoethane

Concen: 50.934 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 302476

Ion Ratio Lower Upper

107 100

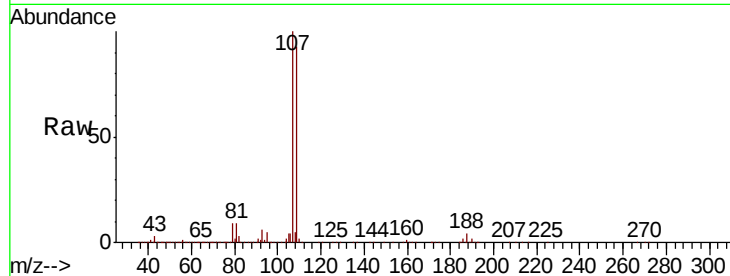
109 94.9 75.8 113.6

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

250000

200000

150000

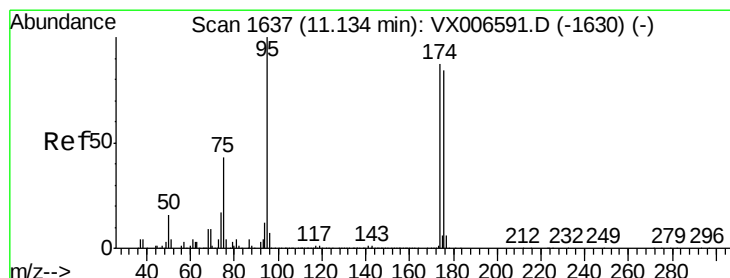
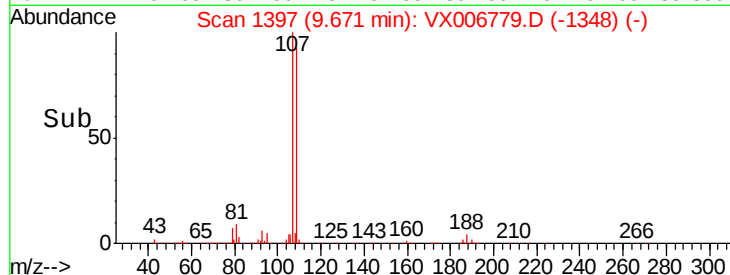
100000

50000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 47.936 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

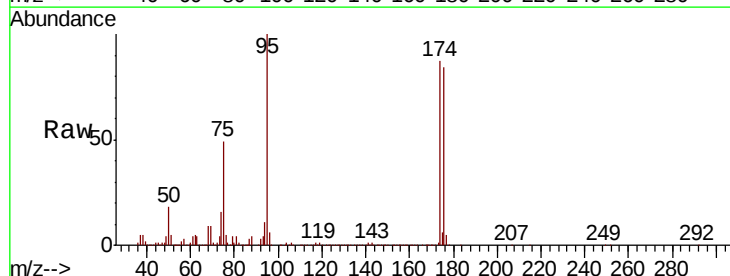
Tgt Ion: 95 Resp: 351233

Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.2

176 89.6 0.0 178.8



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

300000

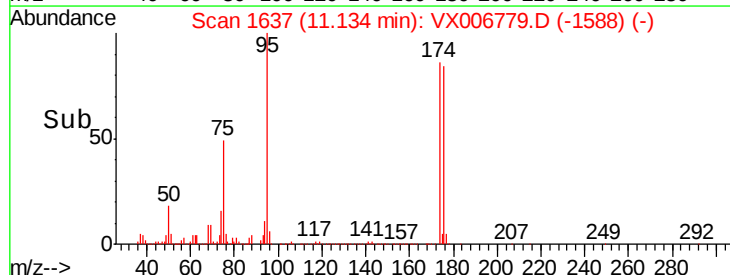
200000

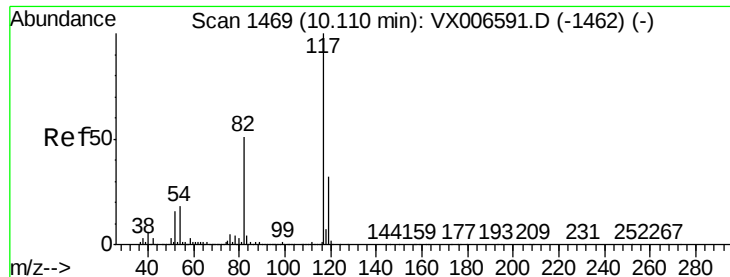
100000

0

11.10 11.20

Time-->





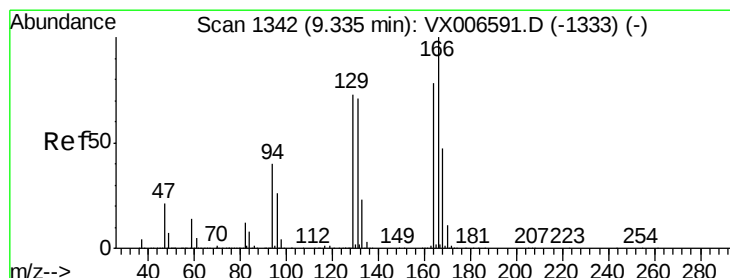
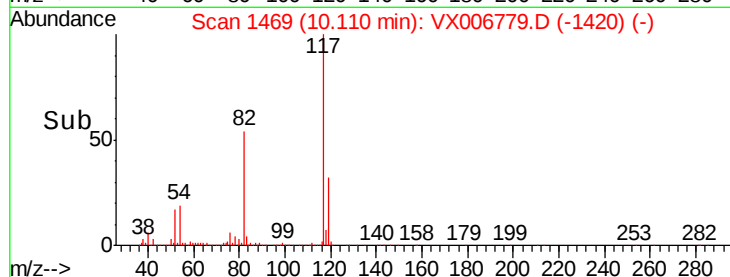
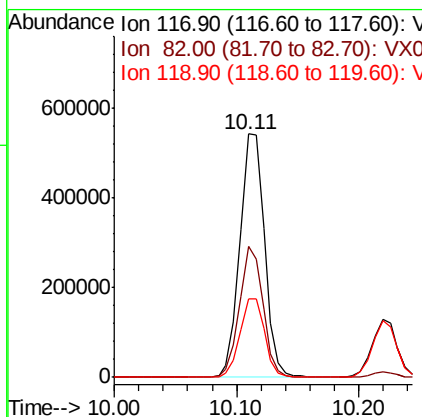
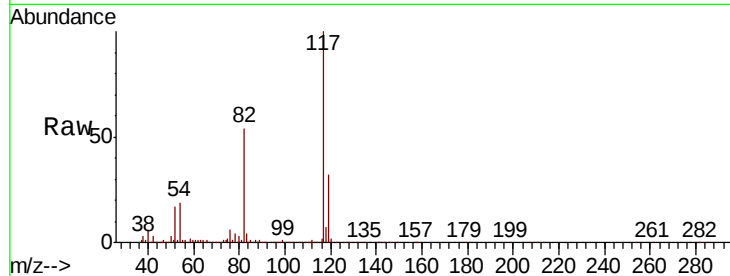
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	41.0	61.6
119	32.0	25.4	38.0

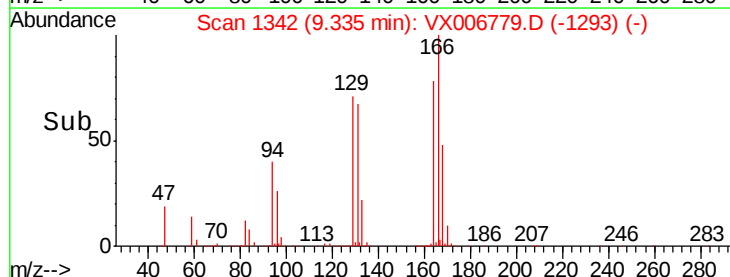
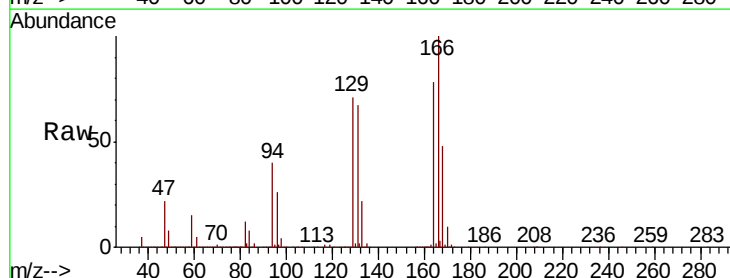
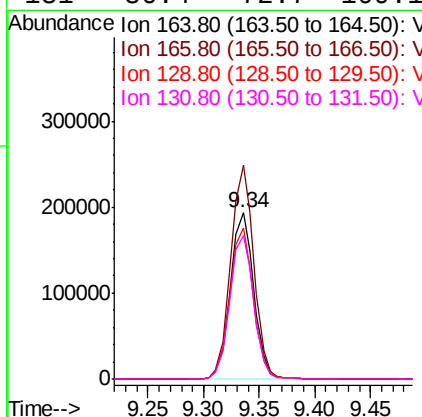
Manual Integrations
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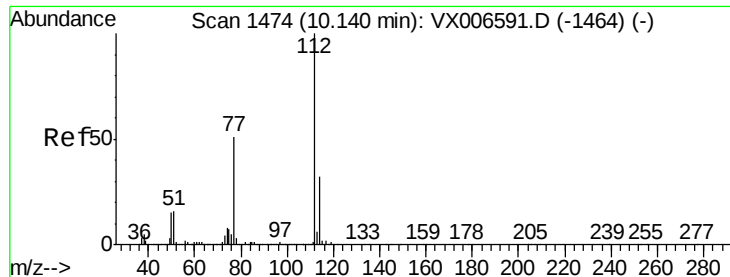
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#64
Tetrachloroethene
Concen: 46.652 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.5	153.7
129	90.6	75.1	112.7
131	86.4	72.7	109.1





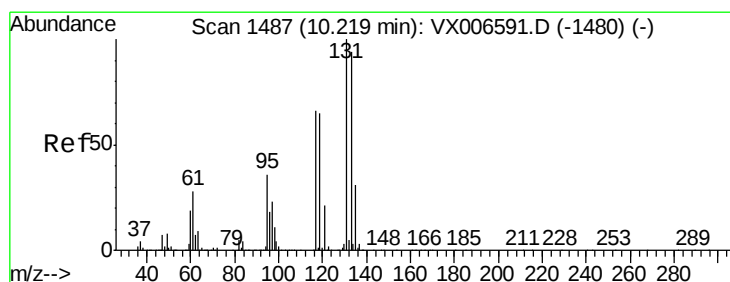
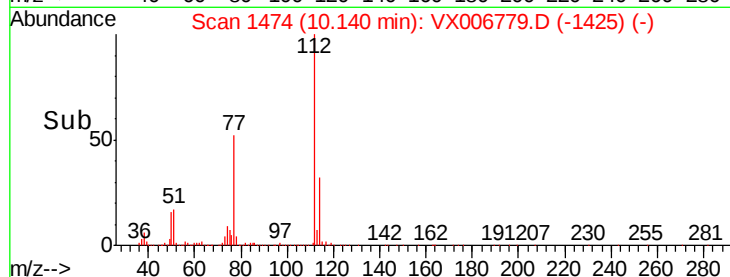
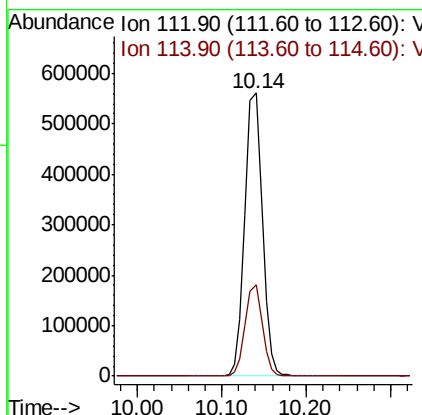
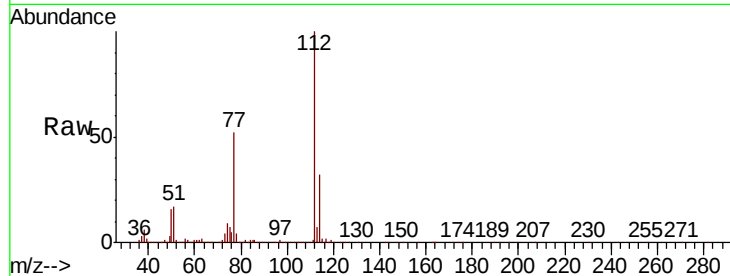
#65
Chlorobenzene
Concen: 48.797 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.7	38.5

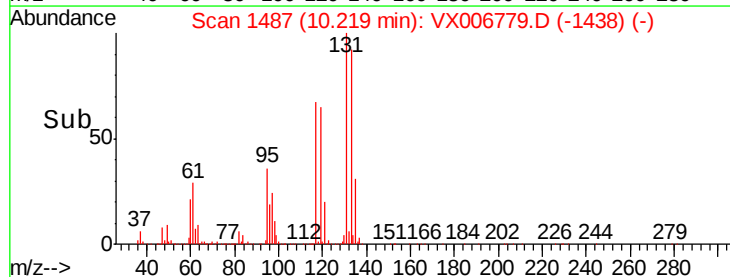
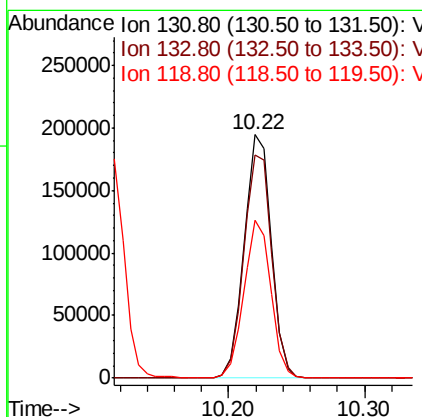
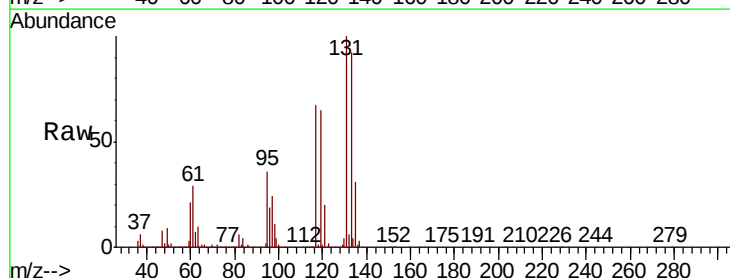
Manual Integrations
APPROVED

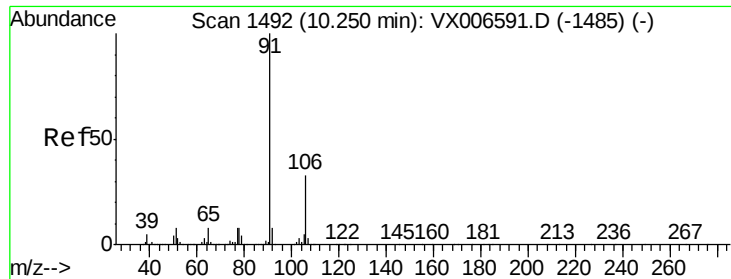
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.004 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.0	144.2
119	64.6	32.6	97.8





#67

Ethyl Benzene

Concen: 49.684 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1305840

Ion Ratio Lower Upper

91 100

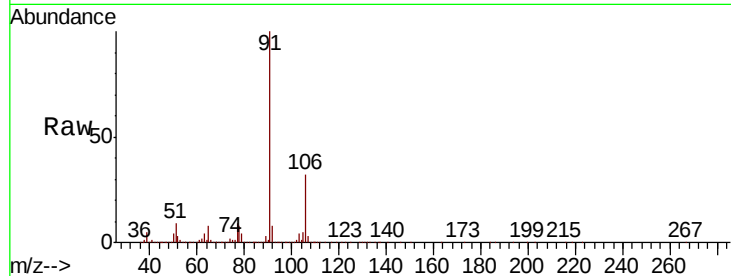
106 32.5 26.4 39.6

Manual Integrations

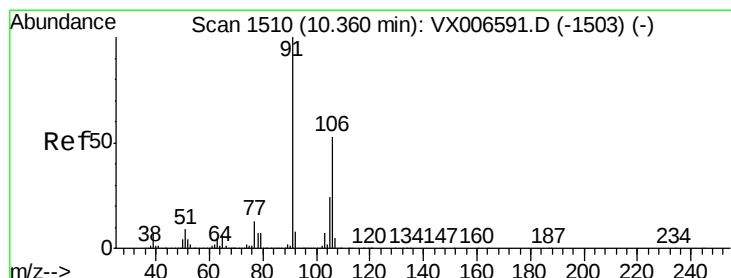
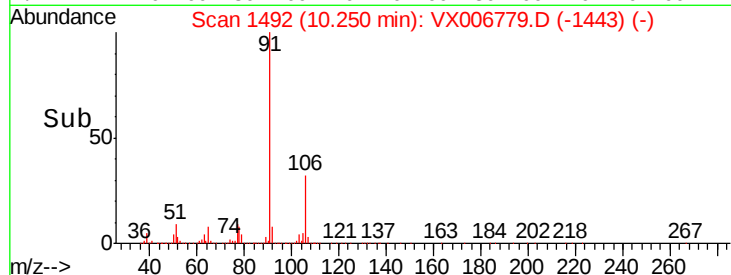
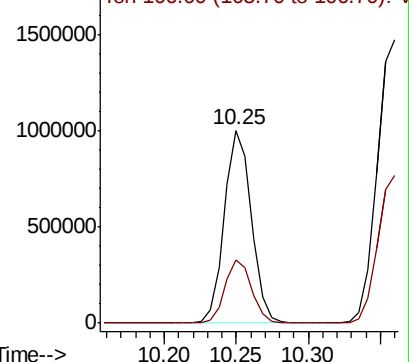
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Abundance Ion 91.00 (90.70 to 91.70): VX006779.D (-1443) (-)



#68

m/p-Xylenes

Concen: 99.065 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006779.D

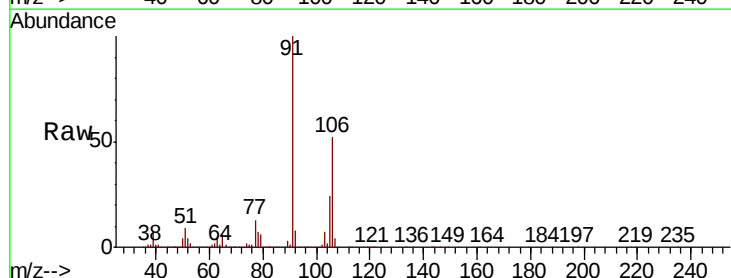
Acq: 22 Dec 2018 18:23

Tgt Ion: 106 Resp: 1027430

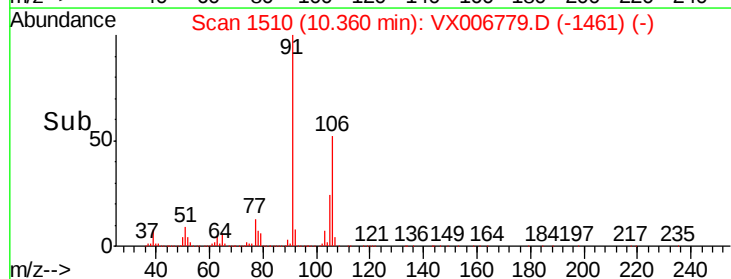
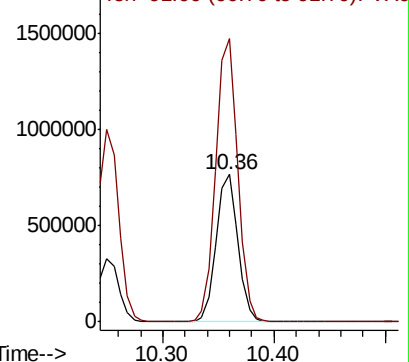
Ion Ratio Lower Upper

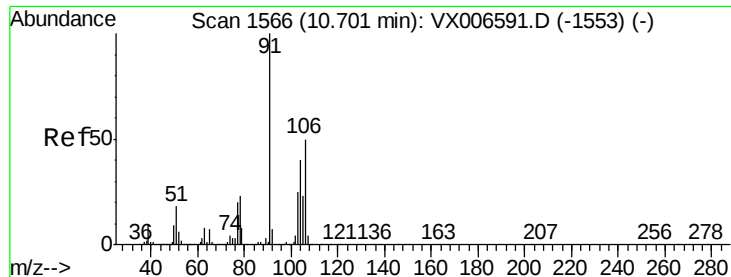
106 100

91 194.8 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): VX006779.D (-1461) (-)





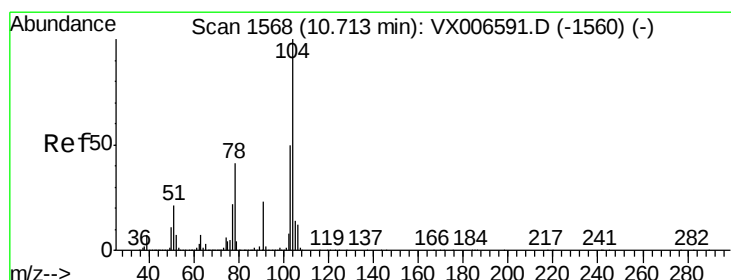
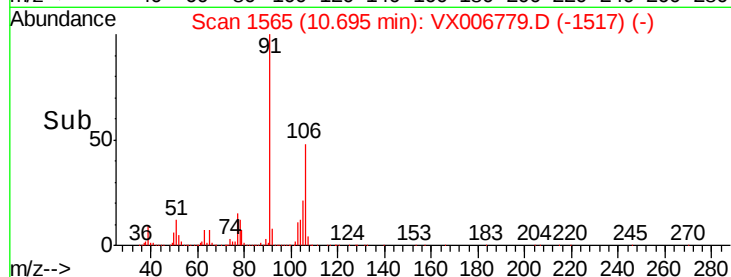
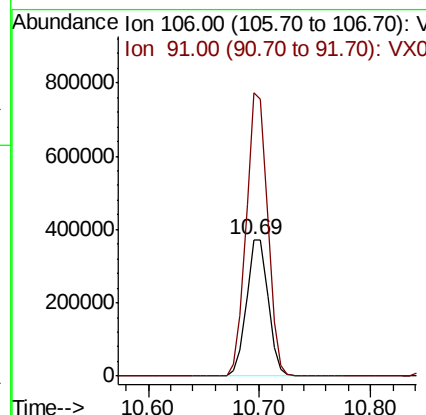
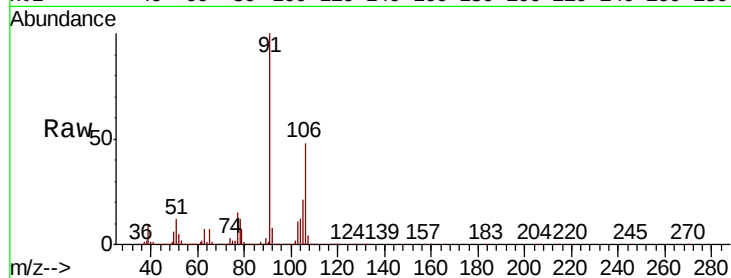
#69
o-Xylene
Concen: 49.250 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.5	101.3	303.7

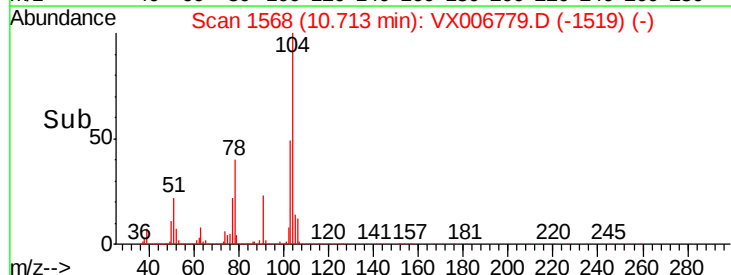
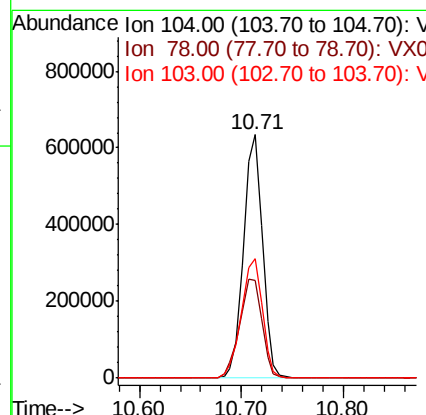
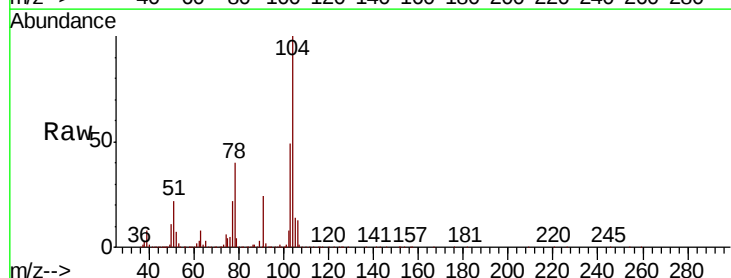
Manual Integrations
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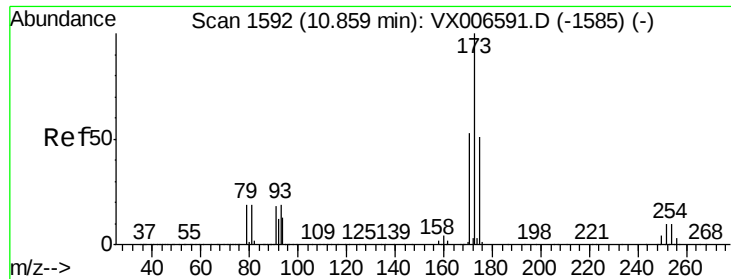
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#70
Styrene
Concen: 50.222 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	37.7	56.5
103	54.9	43.8	65.8





#71

Bromoform

Concen: 44.191 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

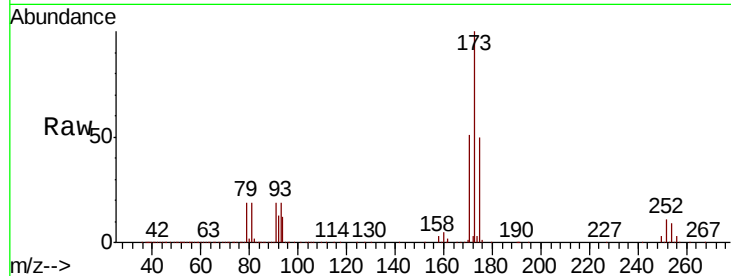
ClientSampleId :

VSTDCCC050EC

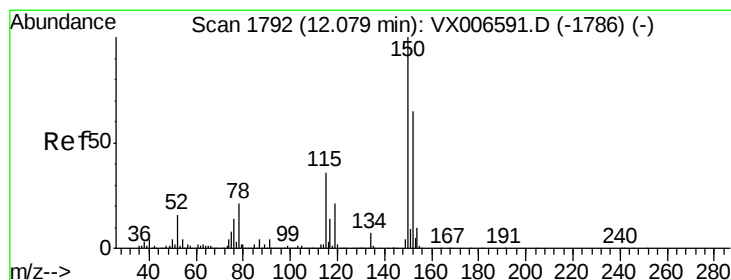
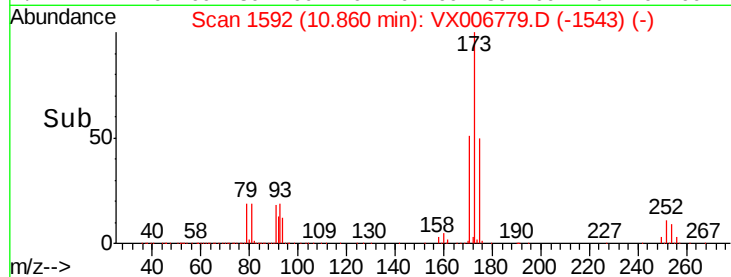
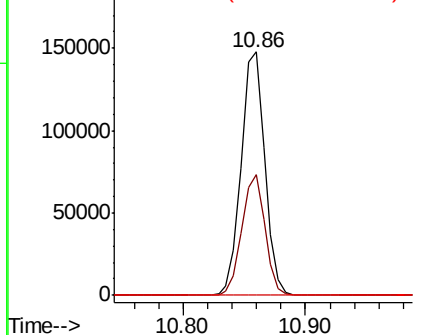
Tot Ion:	173	Resp:	197458
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.7	74.1
254	0.2	0.2	0.2

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: 50.000 ug/l

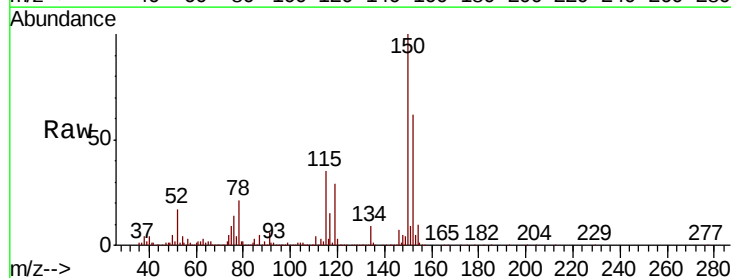
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

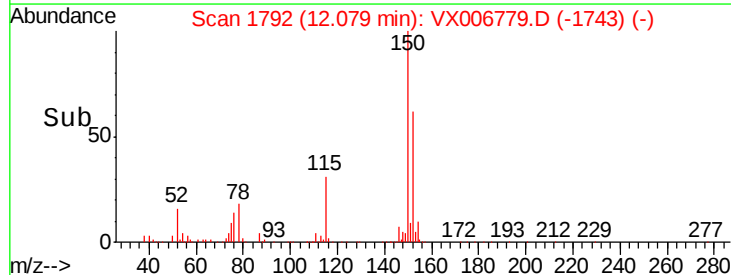
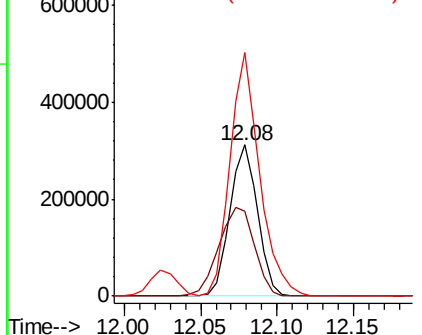
Lab File: VX006779.D

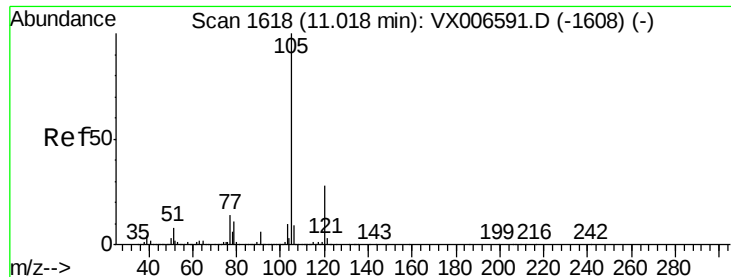
Acq: 22 Dec 2018 18:23

Tgt Ion:	152	Resp:	388327
Ion Ratio	Lower	Upper	
152	100		
115	76.3	39.1	117.2
150	173.0	0.0	344.8



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: 50.519 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1342109

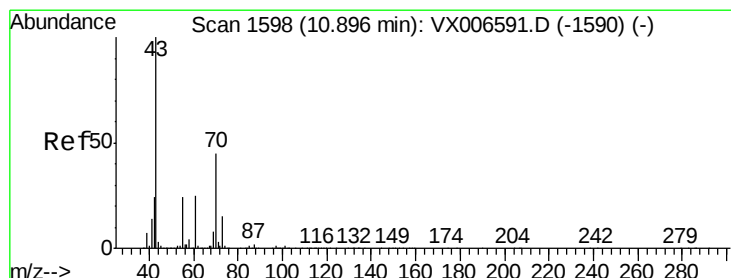
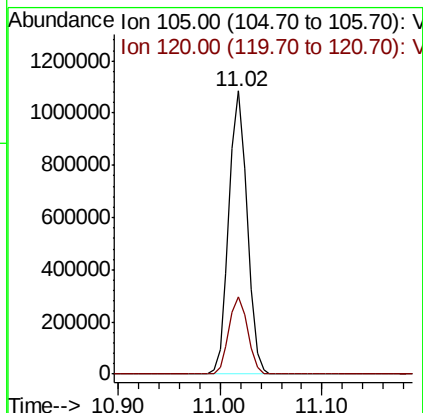
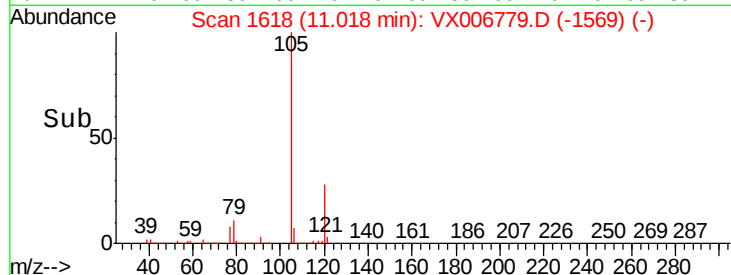
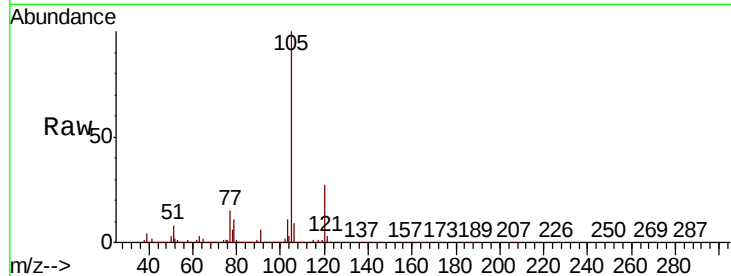
Ion Ratio Lower Upper

105 100

120 28.0 14.1 42.4

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#74

N-ethyl acetate

Concen: 54.256 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Tgt Ion: 43 Resp: 515932

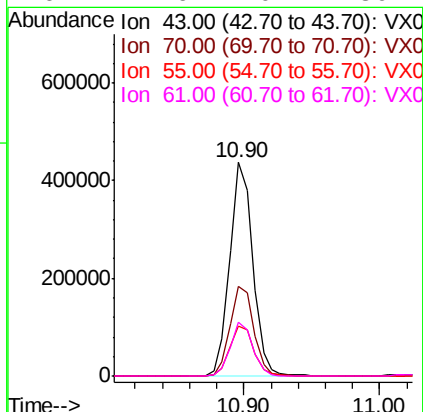
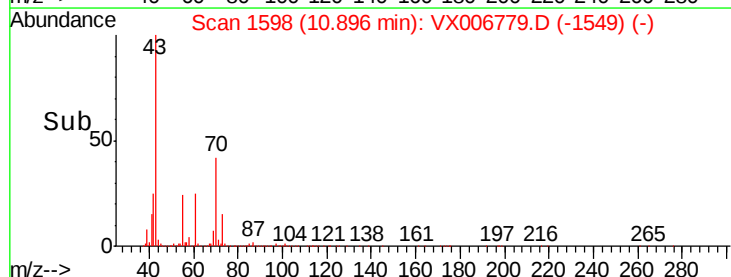
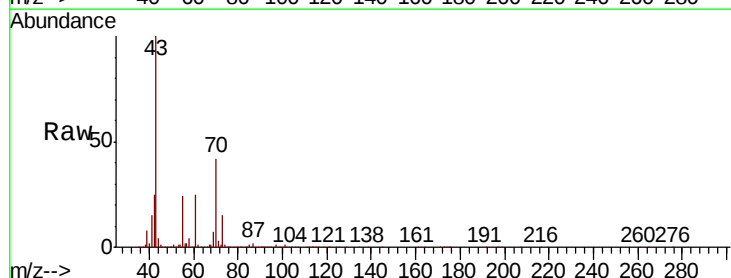
Ion Ratio Lower Upper

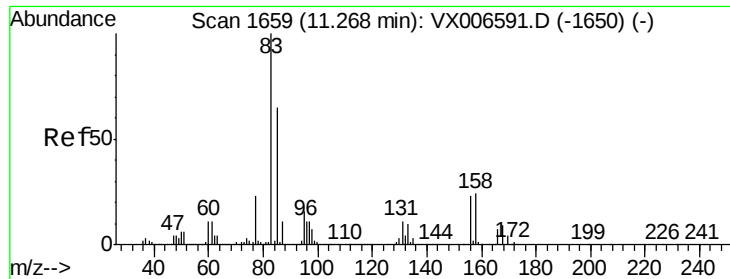
43 100

70 43.7 35.8 53.8

55 24.4 19.4 29.0

61 24.6 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 52.852 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 417577

Ion Ratio Lower Upper

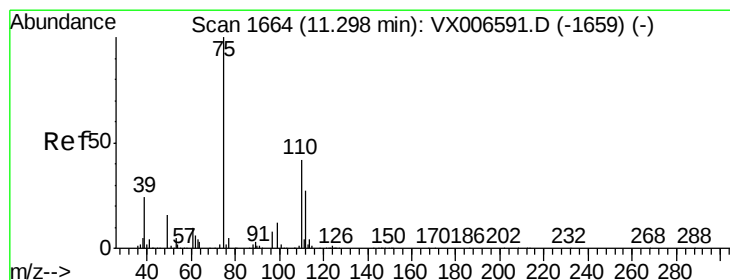
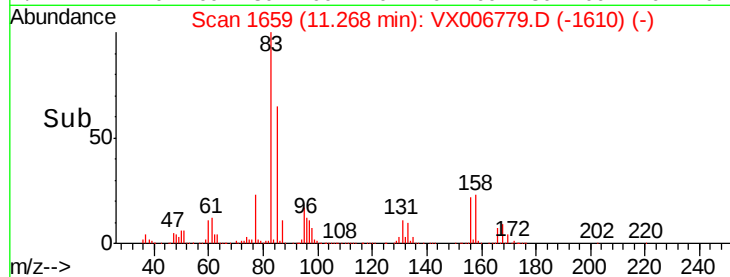
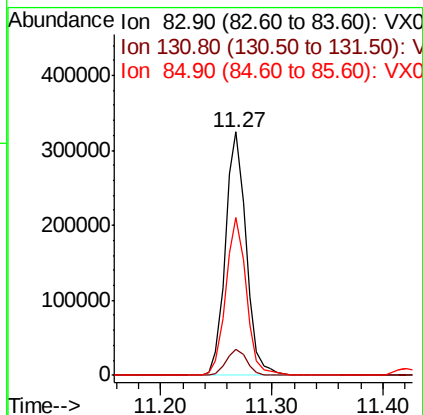
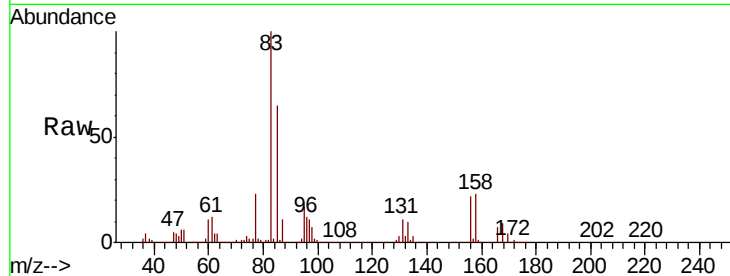
83 100

131 10.8 5.7 17.1

85 64.2 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.836 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006779.D

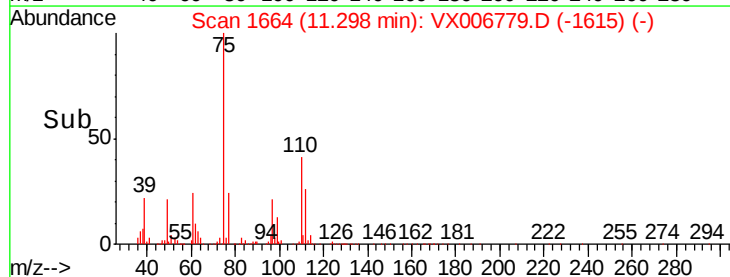
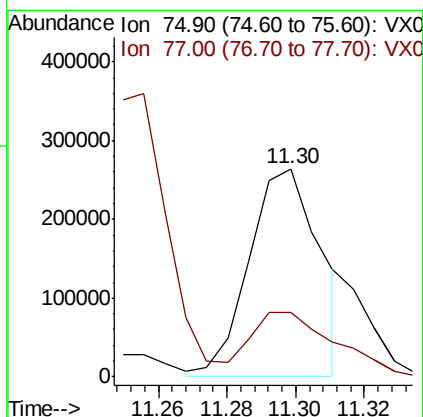
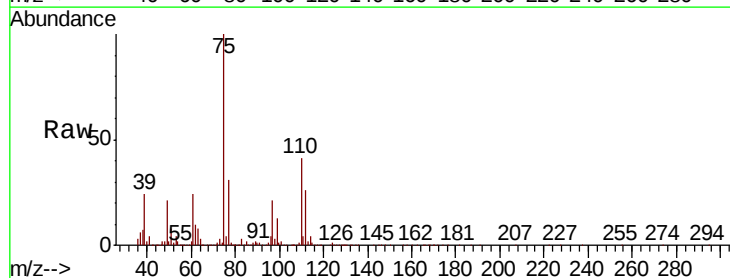
Acq: 22 Dec 2018 18:23

Tgt Ion: 75 Resp: 381305

Ion Ratio Lower Upper

75 100

77 36.8 18.5 55.5





#77

Bromobenzene

Concen: 49.602 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

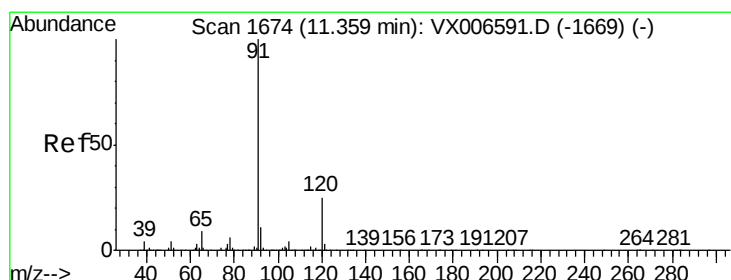
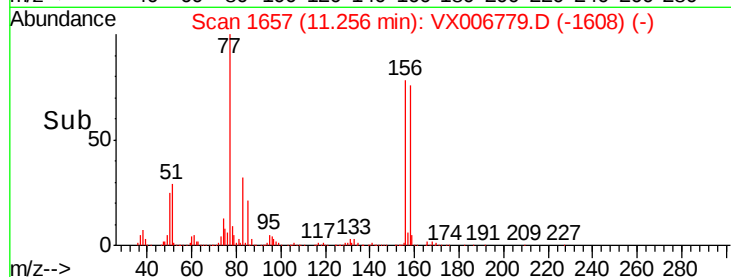
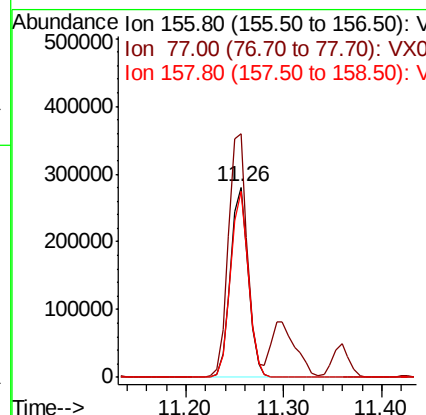
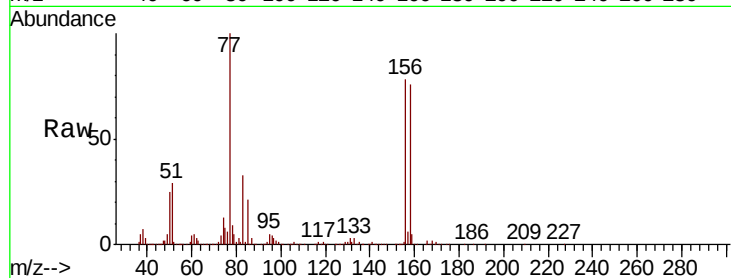
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.1	68.0	204.0
158	98.2	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 50.677 ug/l

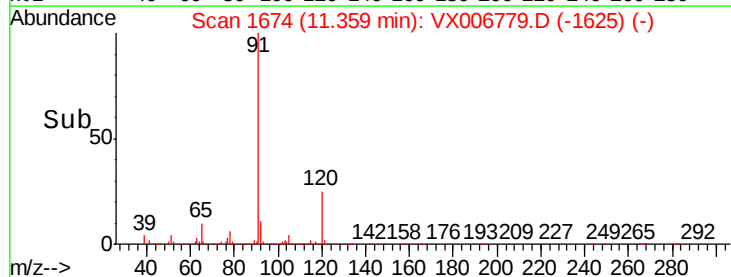
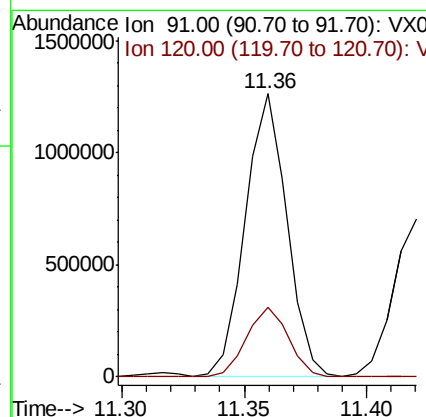
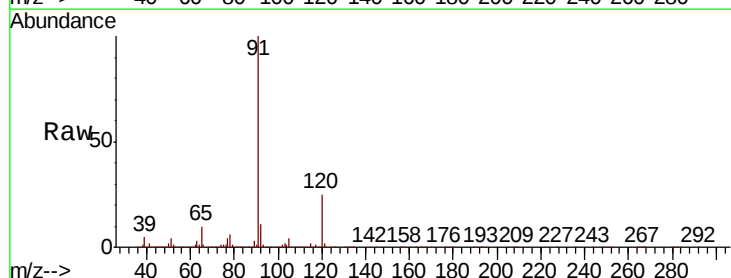
RT: 11.36 min Scan# 1674

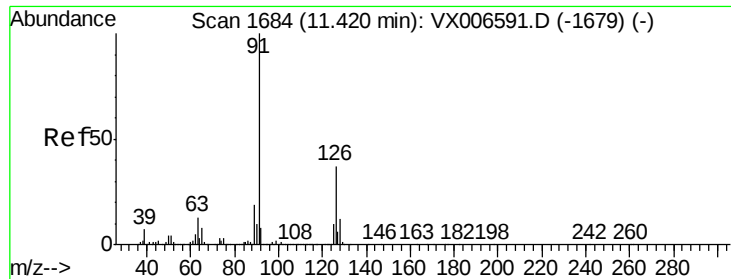
Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.7	38.0





#79

2-Chlorotoluene

Concen: 48.911 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 867134

Ion Ratio Lower Upper

91 100

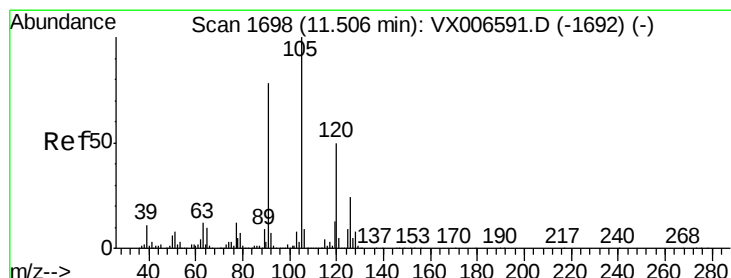
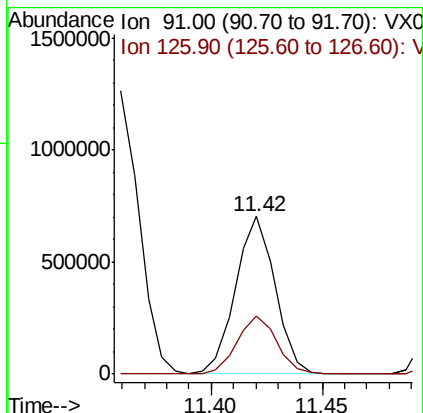
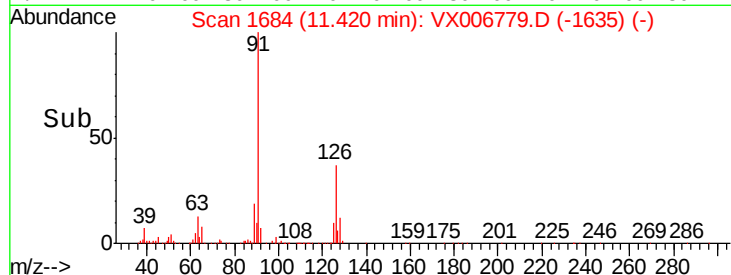
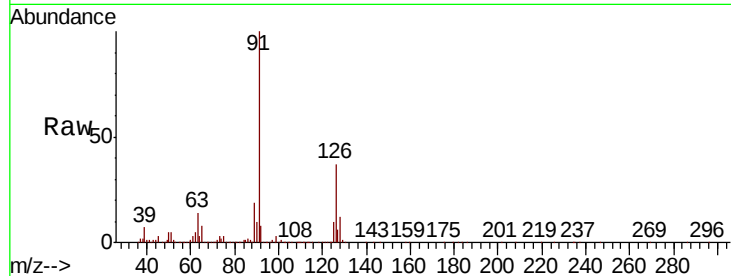
126 37.5 18.6 56.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.367 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006779.D

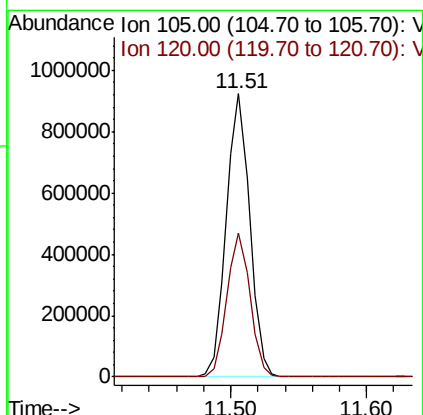
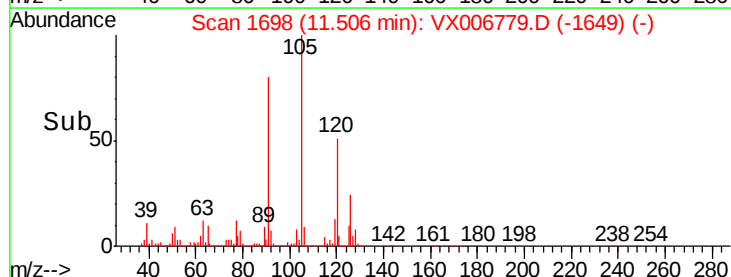
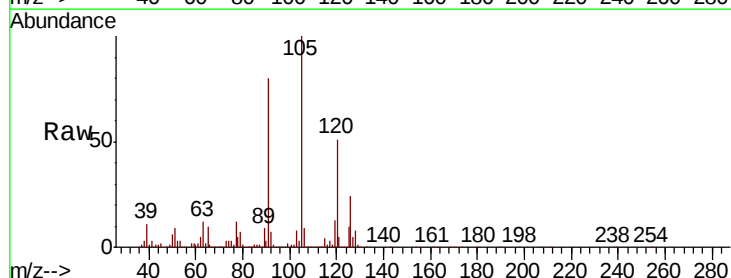
Acq: 22 Dec 2018 18:23

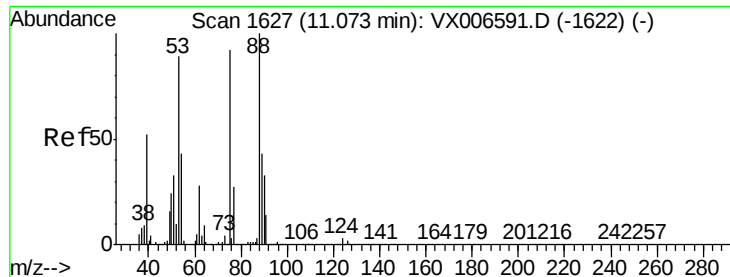
Tgt Ion: 105 Resp: 1102113

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 42.769 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

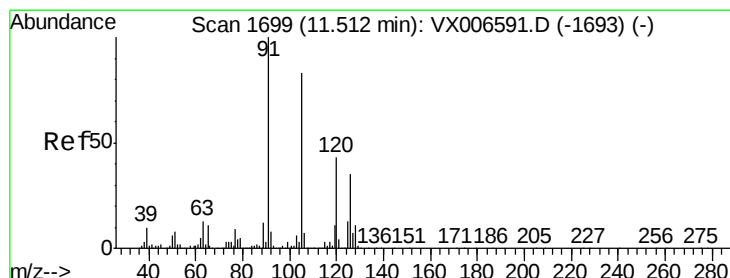
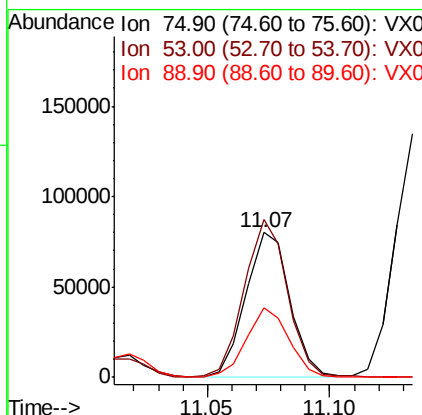
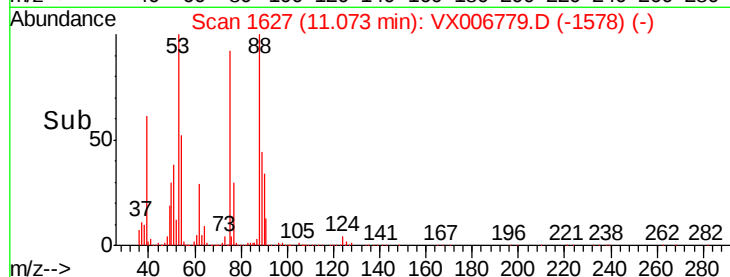
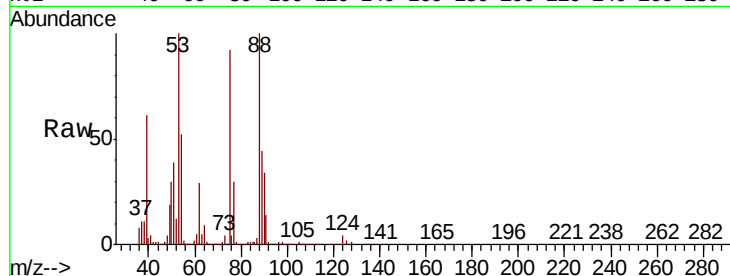
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	99835
Ion	Ratio	Lower	Upper
75	100		
53	106.5	79.7	119.5
89	46.8	38.0	57.0

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#82

4-Chlorotoluene

Concen: 49.526 ug/l

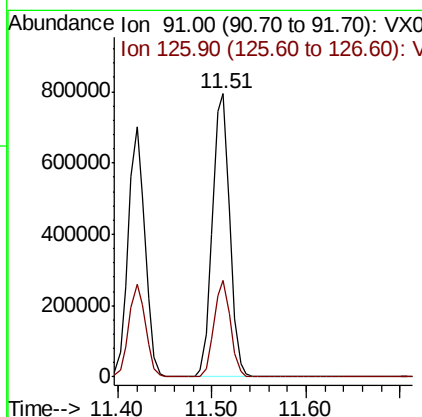
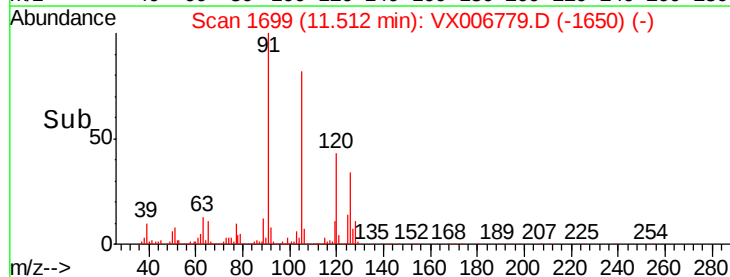
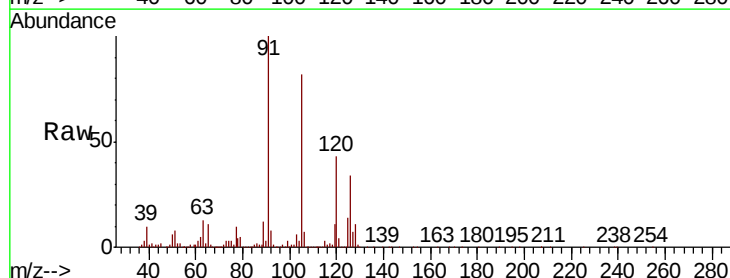
RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Tgt Ion:	91	Resp:	1007167
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.9





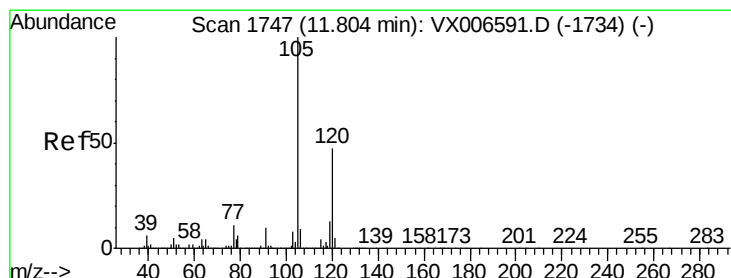
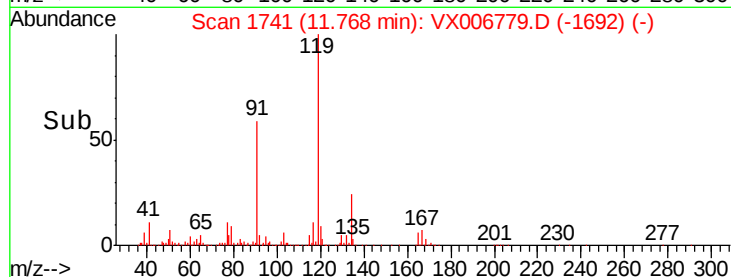
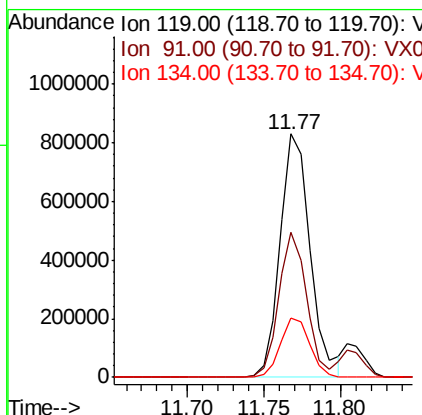
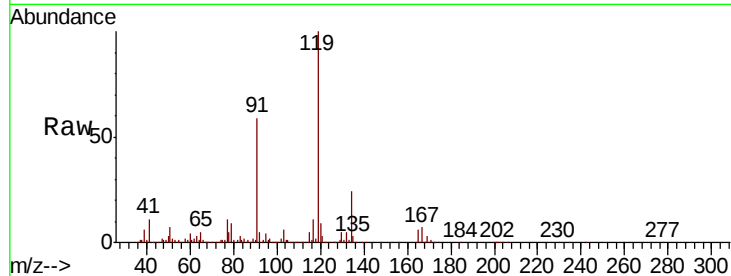
#83
tert-Butylbenzene
Concen: 51.835 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.8	27.7	83.1
134	23.8	11.9	35.5

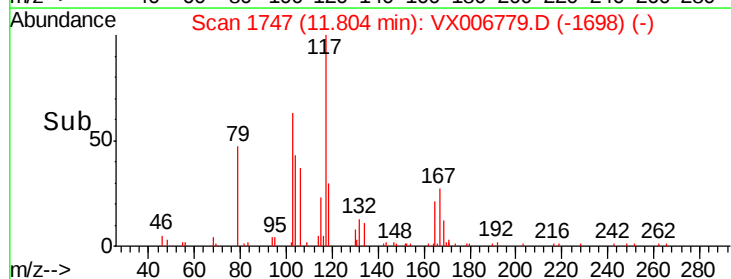
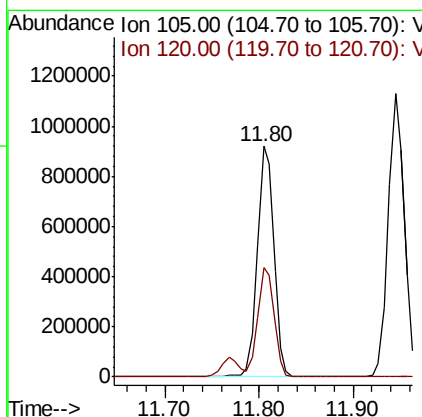
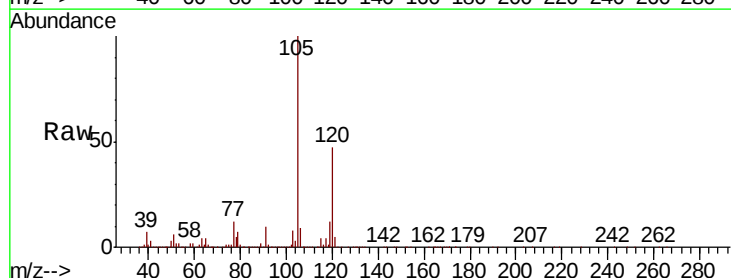
Manual Integrations
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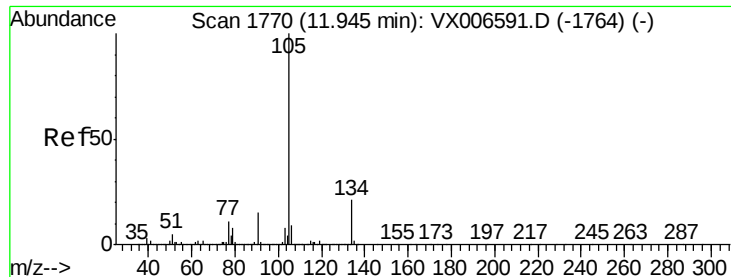
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#84
1,2,4-Trimethylbenzene
Concen: 48.963 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.6





#85

sec-Butylbenzene

Concen: 50.232 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1348772

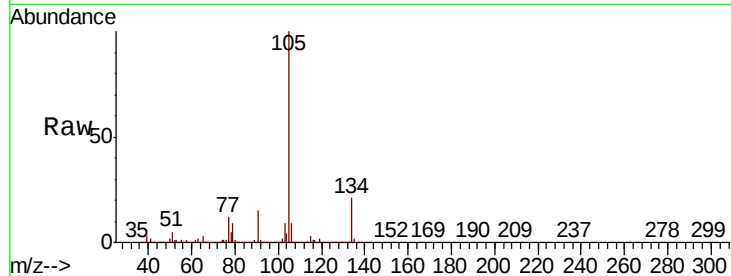
Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9

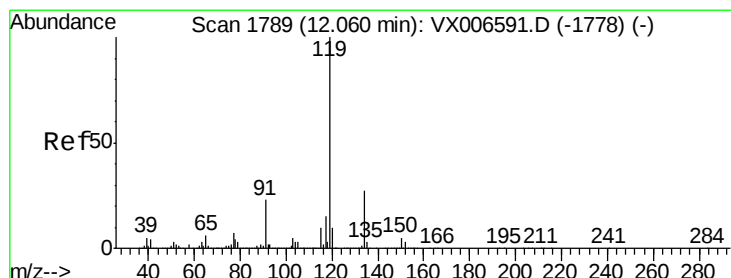
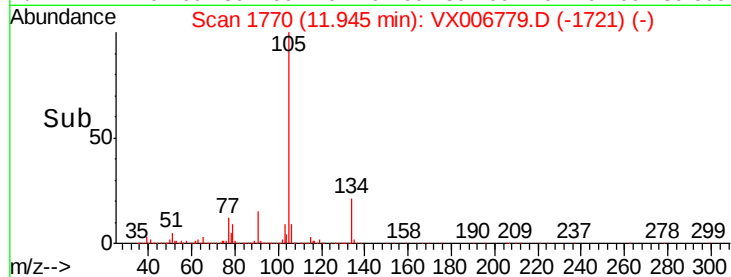
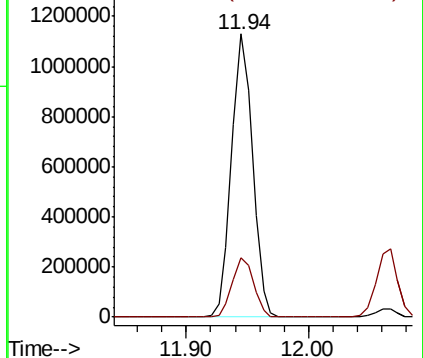
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.765 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

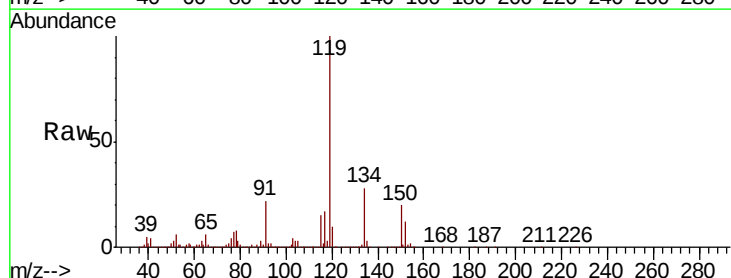
Tgt Ion:119 Resp: 1198210

Ion Ratio Lower Upper

119 100

134 27.6 14.0 41.9

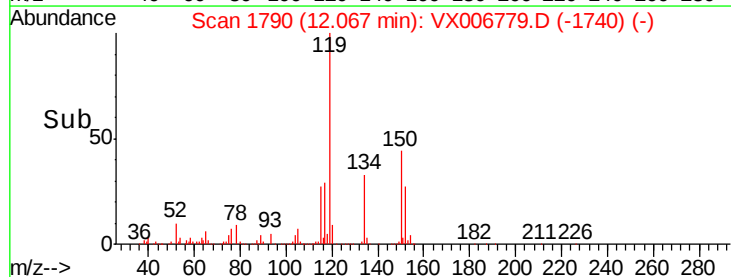
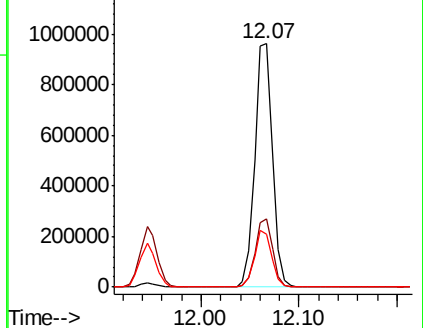
91 22.6 11.3 33.9

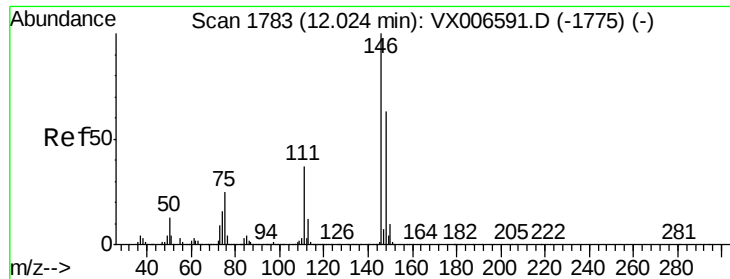


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 48.987 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_X

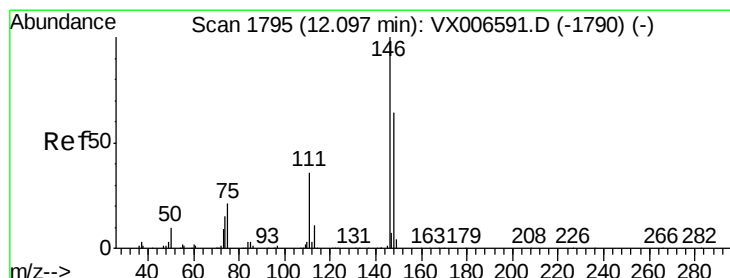
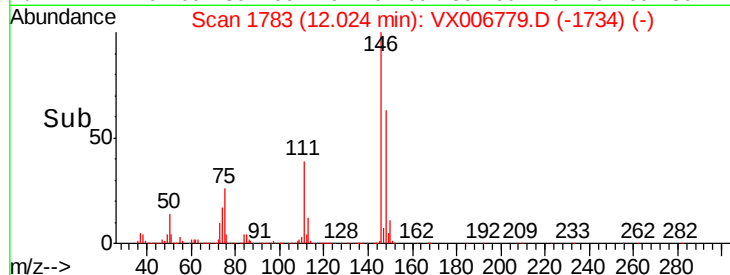
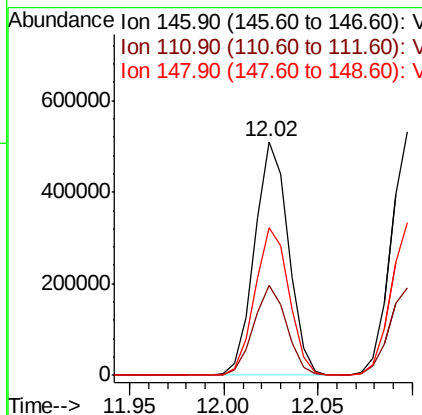
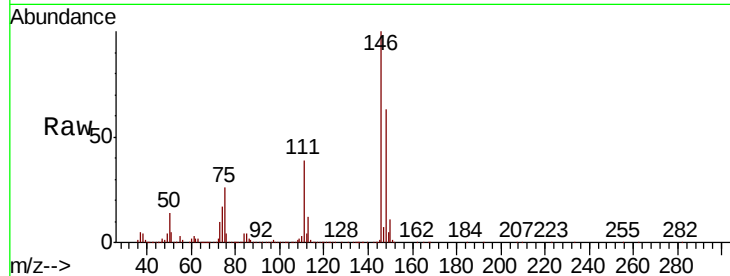
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	634108
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.6	55.8
148	64.0	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 48.249 ug/l

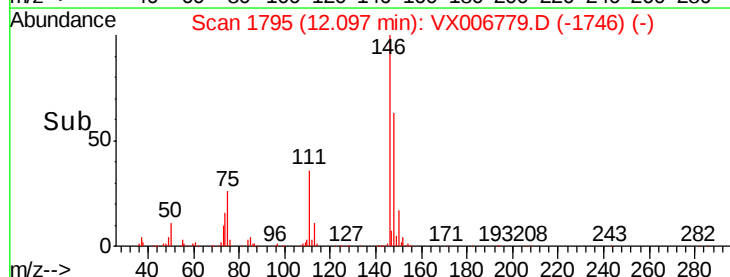
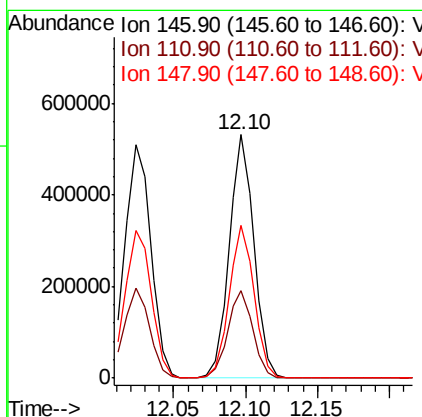
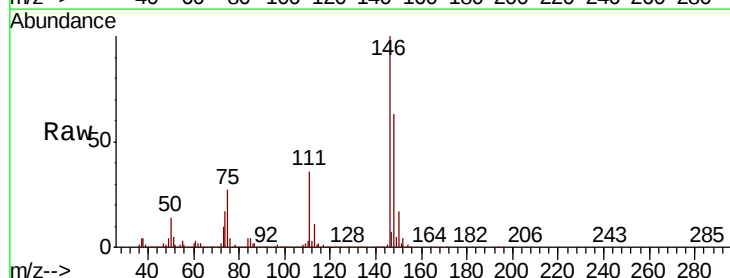
RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX006779.D

Acq: 22 Dec 2018 18:23

Tgt Ion:	146	Resp:	640244
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.1	54.1
148	63.3	31.9	95.9





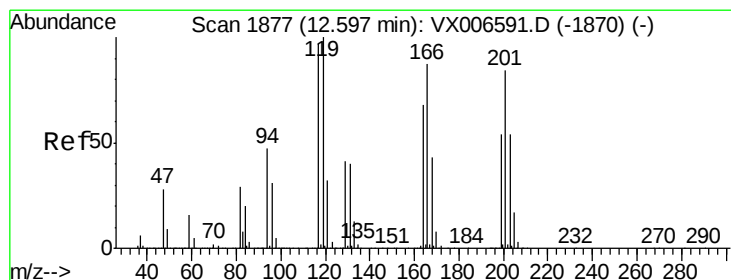
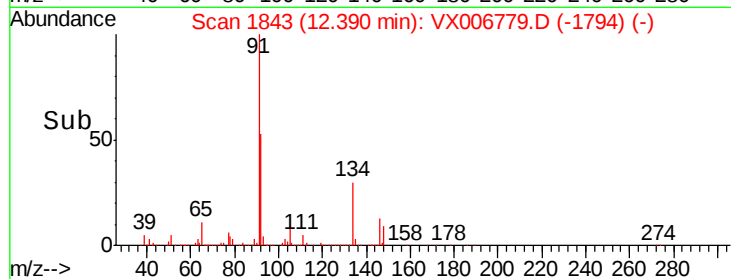
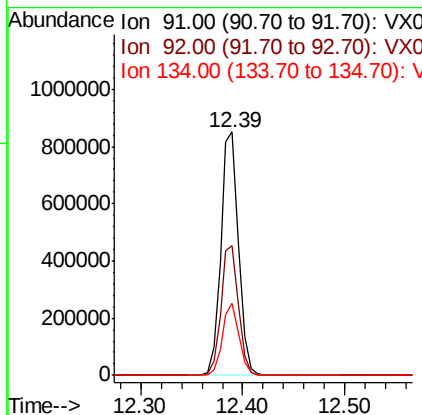
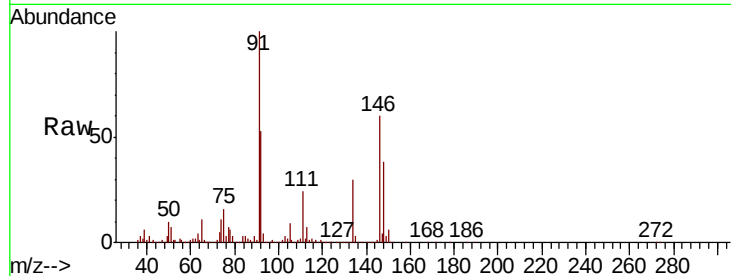
#89
n-Butylbenzene
Concen: 51.088 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1026208
Ion Ratio Lower Upper
91 100
92 53.0 26.8 80.4
134 28.1 14.4 43.2

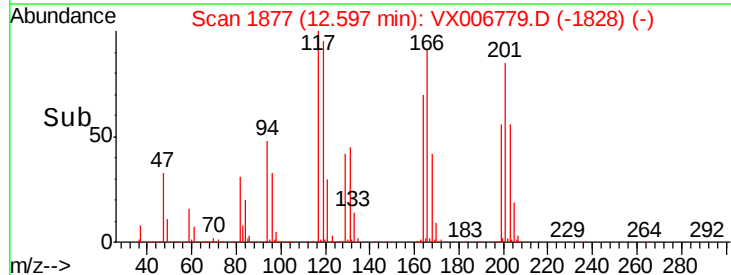
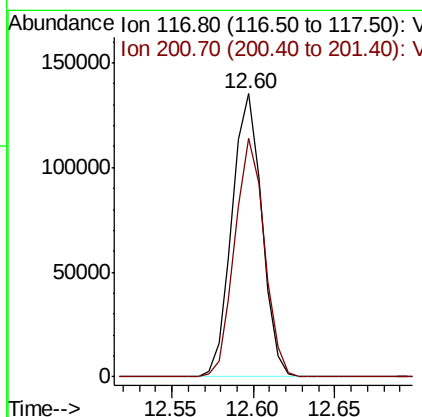
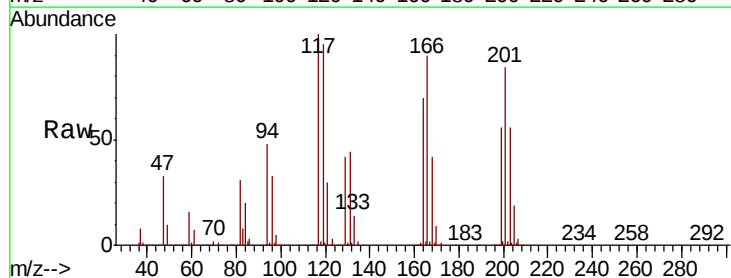
Manual Integrations
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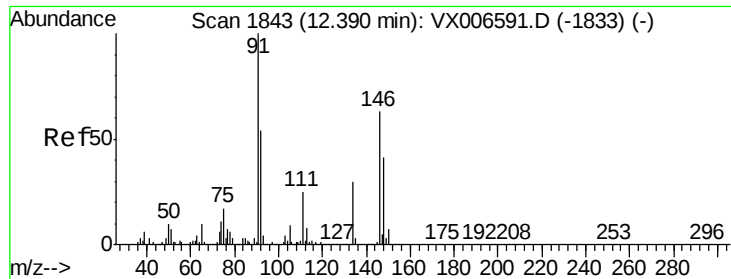
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#90
Hexachloroethane
Concen: 46.939 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion: 117 Resp: 172595
Ion Ratio Lower Upper
117 100
201 83.9 42.9 128.7





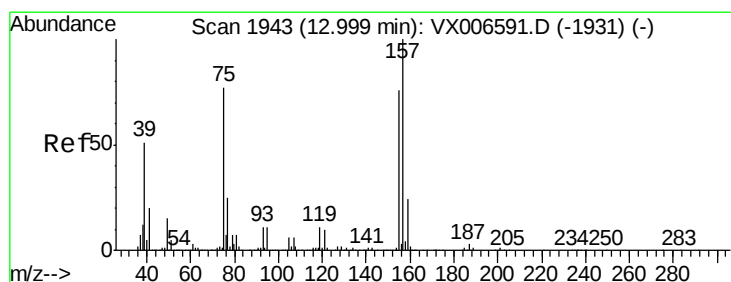
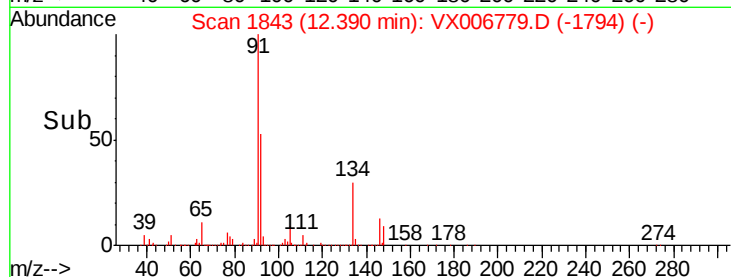
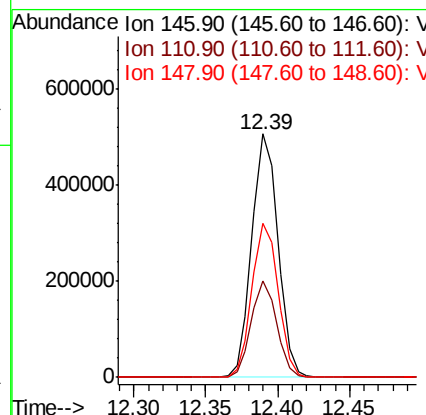
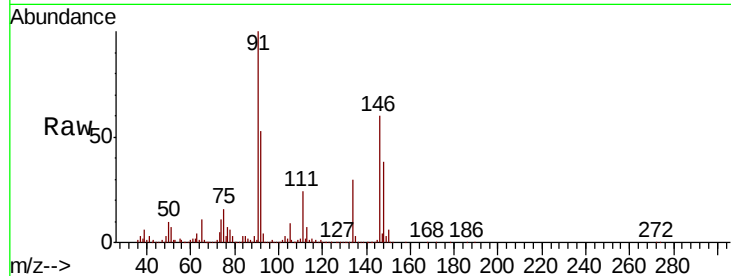
#91
 1,2-Dichlorobenzene
 Concen: 49.006 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	63.6	32.3	96.9

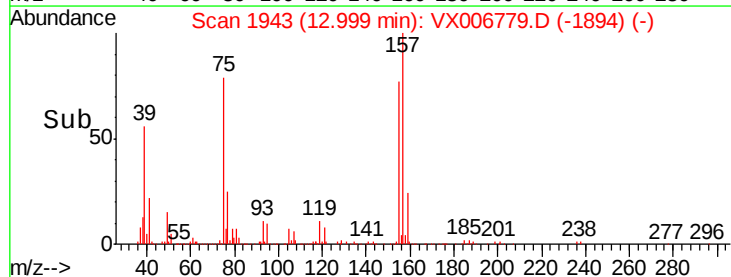
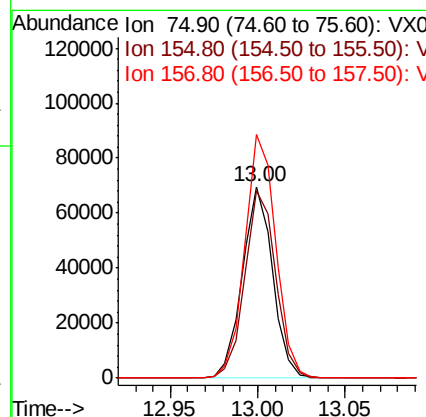
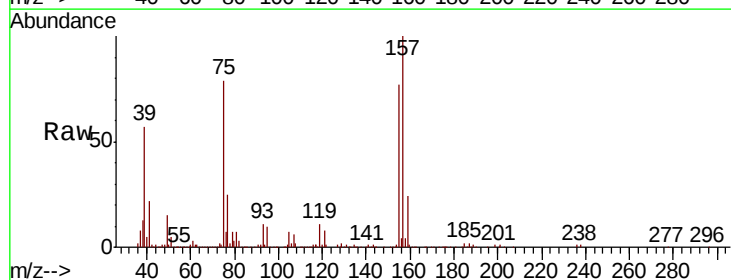
Manual Integrations
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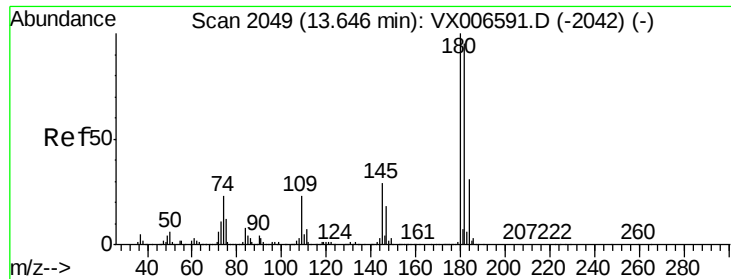
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.110 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	50.6	151.8
157	130.4	64.6	193.8





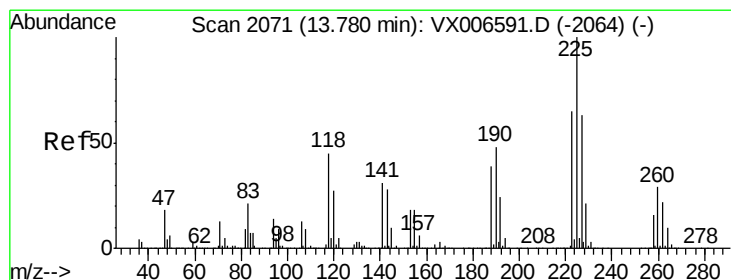
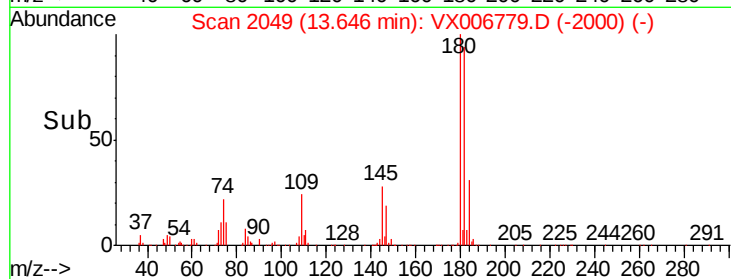
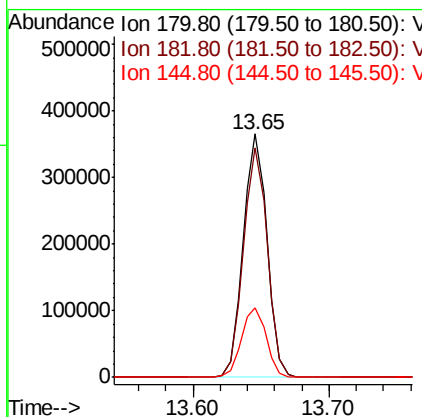
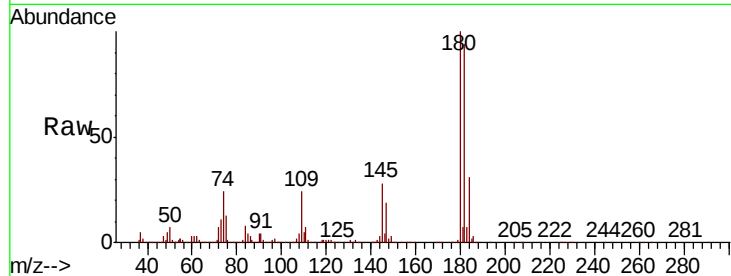
#93
 1,2,4-Trichlorobenzene
 Concen: 49.926 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	142.0
145	29.6	14.8	44.3

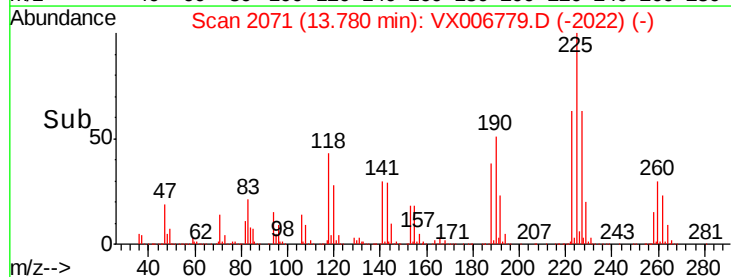
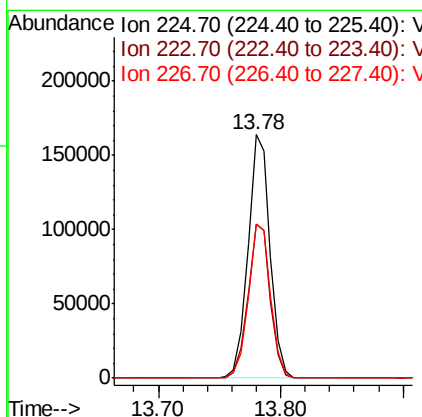
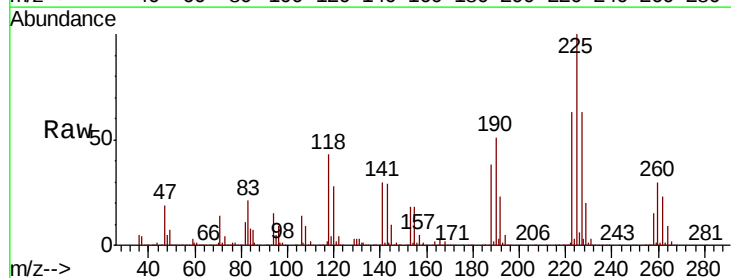
Manual Integrations
 APPROVED

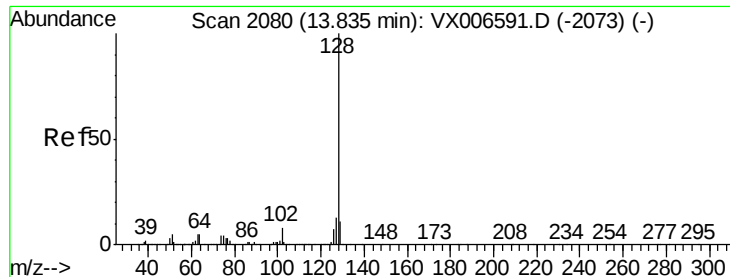
MMDadoda
 12/24/2018 11:47:46 AM



#94
 Hexachlorobutadiene
 Concen: 48.468 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006779.D
 Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.1	96.3
227	63.7	32.3	96.8





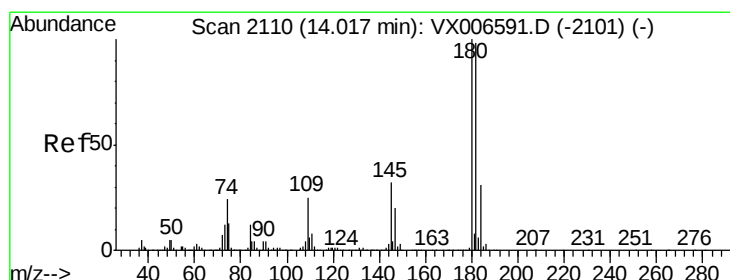
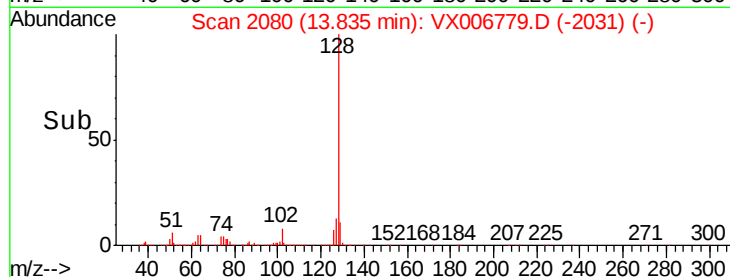
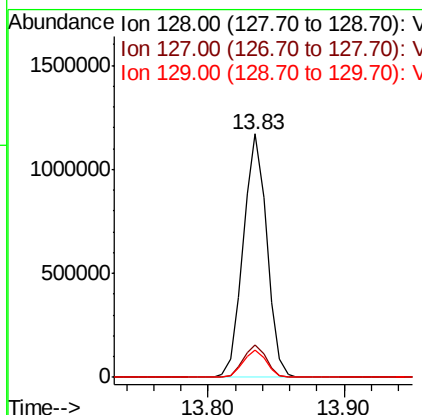
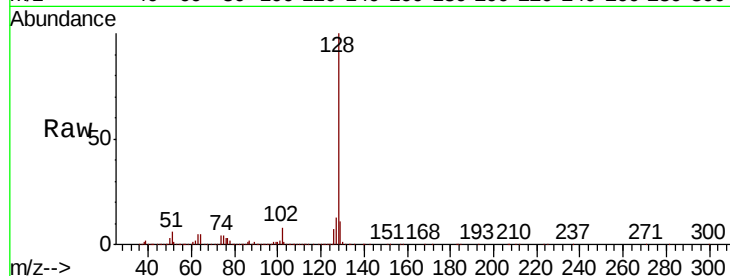
#95
Naphthalene
Concen: 49.747 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/24/2018 11:47:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.072 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX006779.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.5	145.5
145	31.2	16.0	47.9

