

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111519\
 Data File : VX013445.D
 Acq On : 15 Nov 2019 14:49
 Operator : JC/SP
 Sample : K5884-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MS

Quant Time: Nov 15 23:02:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	626139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	964994	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	869589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	433706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	354168	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	5.48	113	296026	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	8.71	98	1120785	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.14	95	392720	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	328115	45.481	ug/l	97
3) Chloromethane	1.31	50	356437	45.560	ug/l	98
4) Vinyl Chloride	1.40	62	447349	50.226	ug/l	100
5) Bromomethane	1.62	94	206270	33.232	ug/l	100
6) Chloroethane	1.71	64	236485	46.361	ug/l	99
7) Trichlorofluoromethane	1.92	101	470545	44.716	ug/l	99
8) Diethyl Ether	2.17	74	219062	47.076	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	290821	49.585	ug/l	98
10) Methyl Iodide	2.50	142	254549	35.055	ug/l	97
11) Tert butyl alcohol	3.04	59	420740	215.197	ug/l	99
12) 1,1-Dichloroethene	2.36	96	289391	50.386	ug/l	97
13) Acrolein	2.28	56	257048	242.583	ug/l	98
14) Allyl chloride	2.72	41	533133	51.088	ug/l	95
15) Acrylonitrile	3.13	53	961221	263.196	ug/l	99
16) Acetone	2.43	43	812085	219.486	ug/l	99
17) Carbon Disulfide	2.56	76	718076	46.711	ug/l	99
18) Methyl Acetate	2.76	43	537890	52.658	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	995989	51.993	ug/l	98
20) Methylene Chloride	2.84	84	334565	48.941	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	311797	49.859	ug/l	96
22) Diisopropyl ether	3.84	45	1077886	53.500	ug/l	98
23) Vinyl Acetate	3.80	43	4423489	256.584	ug/l	100
24) 1,1-Dichloroethane	3.69	63	576332	51.136	ug/l	98
25) 2-Butanone	4.65	43	1338349	246.570	ug/l	100
26) 2,2-Dichloropropane	4.57	77	449464	50.130	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	473218	67.551	ug/l	97
28) Bromochloromethane	5.00	49	173206	54.126	ug/l	99
29) Tetrahydrofuran	5.11	42	864146	258.349	ug/l	100
30) Chloroform	5.20	83	565518	50.815	ug/l	97
31) Cyclohexane	5.57	56	501845	49.484	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	476401	49.742	ug/l	99
36) 1,1-Dichloropropene	5.79	75	418565	50.561	ug/l	99
37) Ethyl Acetate	4.82	43	508848	49.744	ug/l	100
38) Carbon Tetrachloride	5.77	117	408035	50.404	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	506424	49.095	ug/l	97
40) Benzene	6.14	78	1309843	50.794	ug/l	99
41) Methacrylonitrile	5.03	41	290700	50.701	ug/l	99
42) 1,2-Dichloroethane	6.18	62	460127	49.468	ug/l	99
43) Isopropyl Acetate	6.43	43	817916	51.348	ug/l	99
44) Trichloroethene	7.20	130	350428	49.368	ug/l	100
45) 1,2-Dichloropropane	7.51	63	343999	52.356	ug/l	98
46) Dibromomethane	7.65	93	224691	50.086	ug/l	99
47) Bromodichloromethane	7.89	83	441360	52.173	ug/l	99
48) Methyl methacrylate	7.76	41	418394	52.619	ug/l	97
49) 1,4-Dioxane	7.73	88	163810	899.583	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2670243	255.506	ug/l	99
52) Toluene	8.78	92	822729	51.476	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	491207	53.101	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	539411	52.129	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	345488	52.152	ug/l	98
56) Ethyl methacrylate	9.17	69	558035	49.362	ug/l	96
57) 1,3-Dichloropropane	9.37	76	578746	51.464	ug/l	100
59) 2-Hexanone	9.49	43	2045065	253.223	ug/l	98
60) Dibromochloromethane	9.58	129	360176	53.161	ug/l	99
61) 1,2-Dibromoethane	9.67	107	362921	51.591	ug/l	99
64) Tetrachloroethene	9.33	164	293892	47.211	ug/l	99
65) Chlorobenzene	10.14	112	884842	50.260	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	336174	52.006	ug/l	100
67) Ethyl Benzene	10.25	91	1555800	51.203	ug/l	99
68) m/p-Xylenes	10.35	106	1184704	103.096	ug/l	100
69) o-Xylene	10.70	106	577391	51.322	ug/l	99
70) Stvrene	10.71	104	992143	52.756	ug/l	99
71) Bromoform	10.85	173	281419	47.149	ug/l #	99
73) Isopropylbenzene	11.01	105	1533239	53.320	ug/l	100
74) N-amyl acetate	10.89	43	726011	54.446	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	563861	53.750	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	631926	71.735	ug/l	80
77) Bromobenzene	11.25	156	399852	52.160	ug/l	99
78) n-propylbenzene	11.35	91	1725744	53.876	ug/l	100
79) 2-Chlorotoluene	11.42	91	1015270	52.607	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1276477	53.294	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	180945	52.871	ug/l	97
82) 4-Chlorotoluene	11.51	91	1170780	51.824	ug/l	100
83) tert-Butylbenzene	11.77	119	1304958	54.123	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1272894	52.978	ug/l	99
85) sec-Butylbenzene	11.94	105	1477415	53.316	ug/l	100
86) p-Isopropyltoluene	12.06	119	1362735	53.406	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	695945	50.931	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	701496	50.388	ug/l	99
89) n-Butylbenzene	12.39	91	1148329	51.576	ug/l	100
90) Hexachloroethane	12.59	117	247189	54.372	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	701098	51.329	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	119504	46.758	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	464360	48.738	ug/l	99

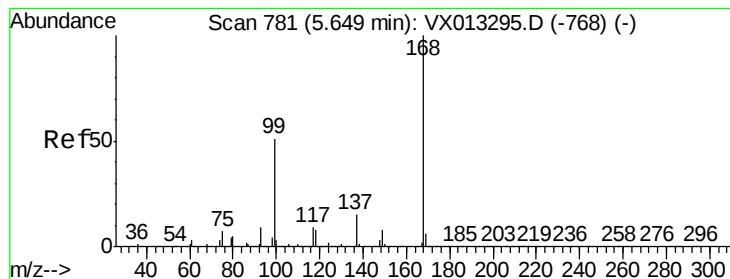
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	217815	46.728	ug/l	99
95) Naphthalene	13.83	128	1486773	49.736	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	473575	49.563	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

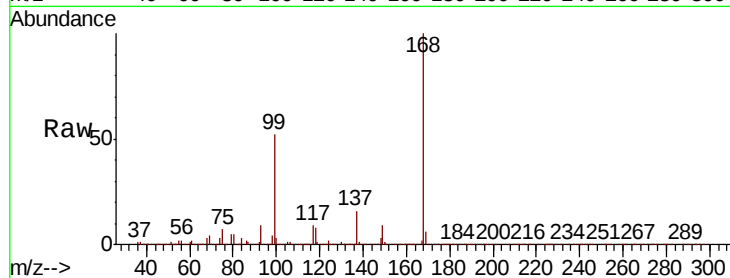
S36-0162MS

Tot Ion:168 Resp: 626139

Ion Ratio Lower Upper

168 100

99 52.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

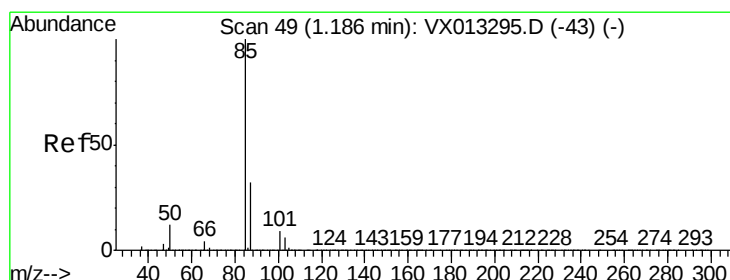
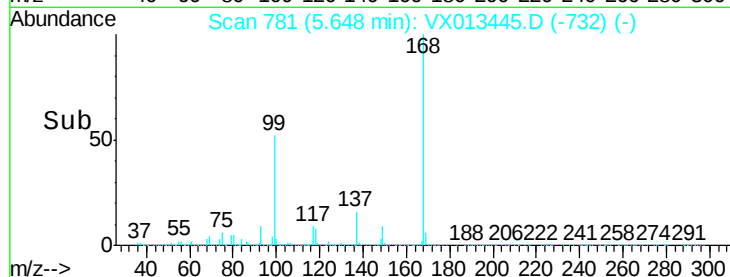
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.481 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013445.D

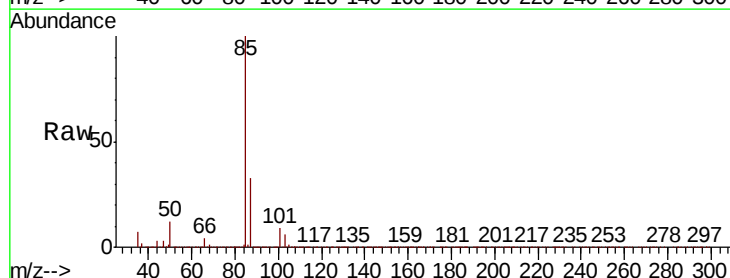
Acq: 15 Nov 2019 14:49

Tgt Ion: 85 Resp: 328115

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

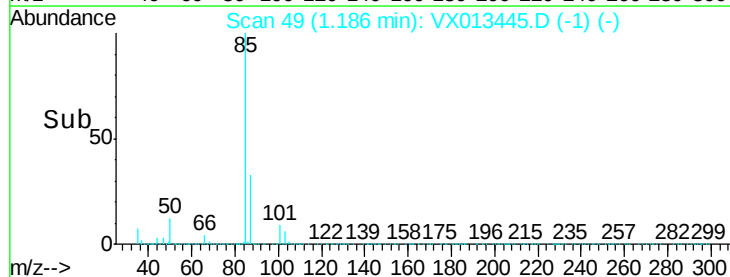
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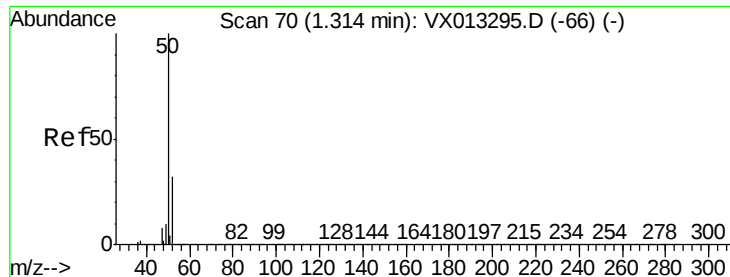
200000

100000

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Time-->





#3

Chloromethane

Concen: 45.560 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

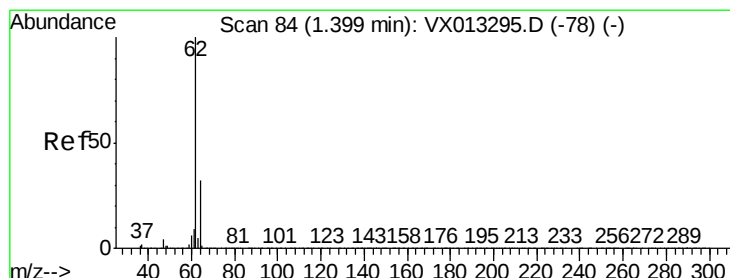
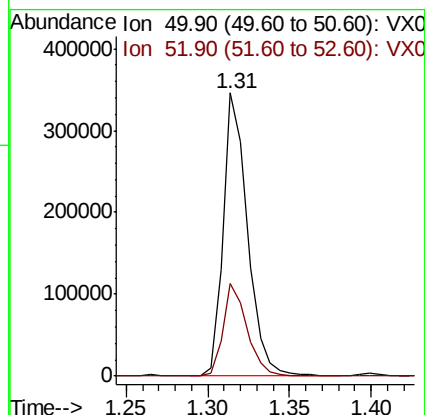
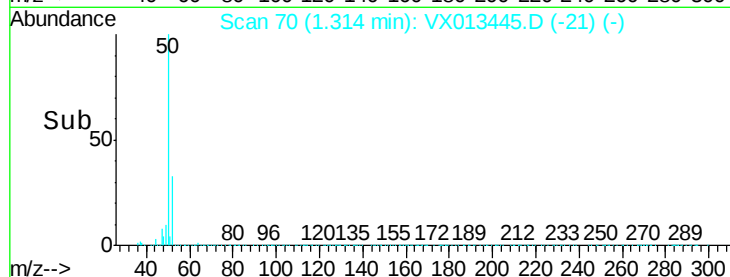
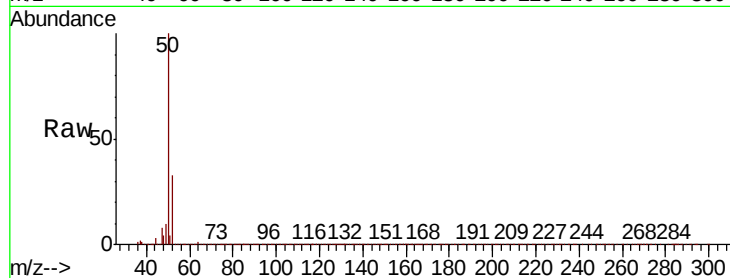
S36-0162MS

Tot Ion: 50 Resp: 356437

Ion Ratio Lower Upper

50 100

52 32.8 25.5 38.3



#4

Vinyl Chloride

Concen: 50.226 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013445.D

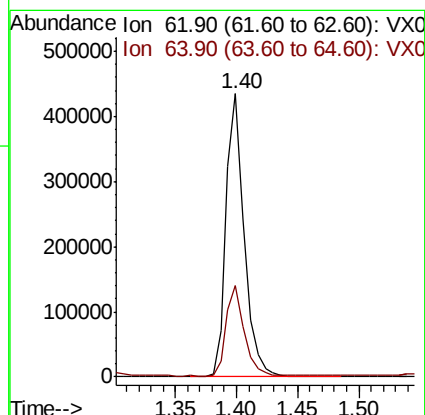
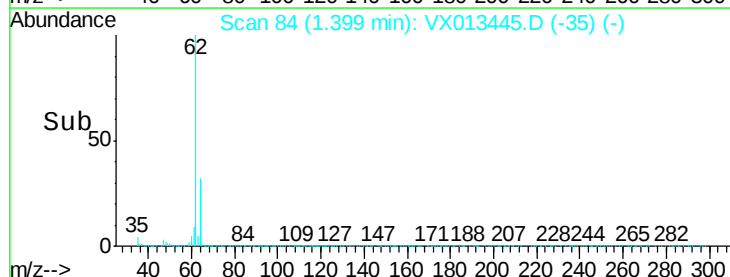
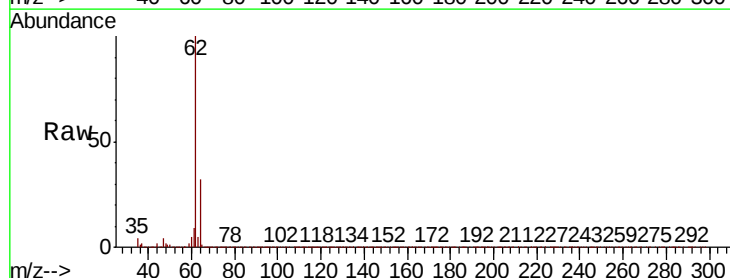
Acq: 15 Nov 2019 14:49

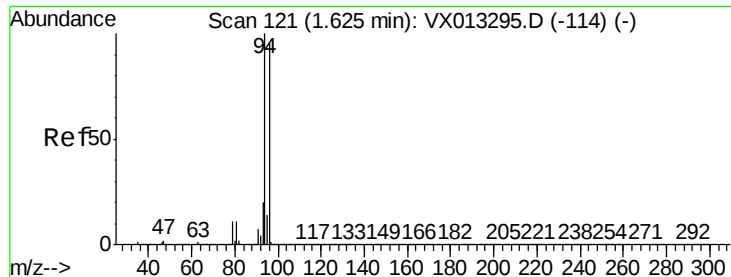
Tgt Ion: 62 Resp: 447349

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 33.232 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

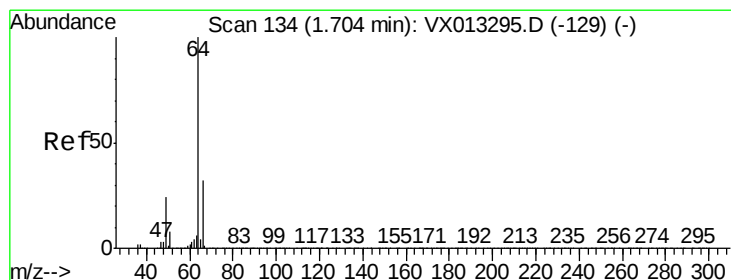
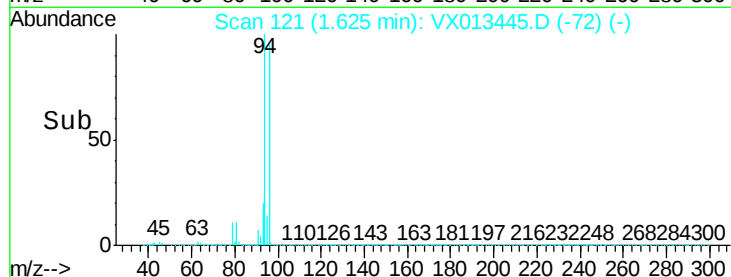
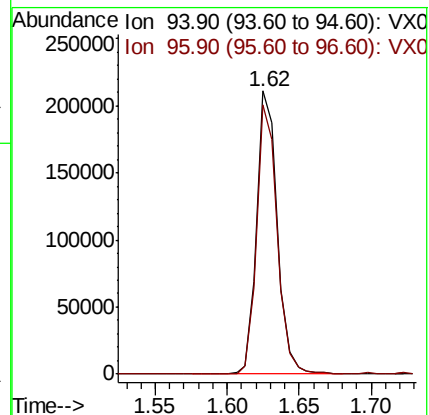
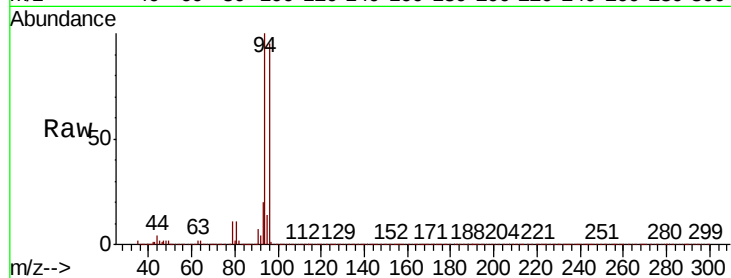
S36-0162MS

Tot Ion: 94 Resp: 206270

Ion Ratio Lower Upper

94 100

96 95.0 75.8 113.8



#6

Chloroethane

Concen: 46.361 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013445.D

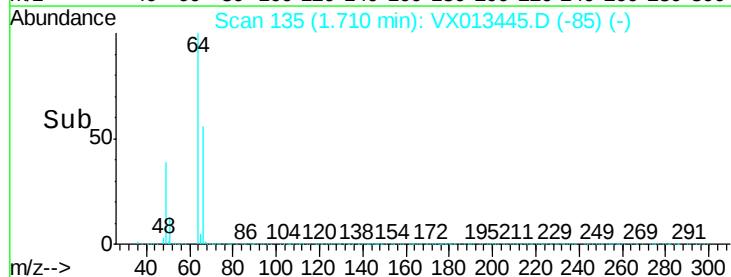
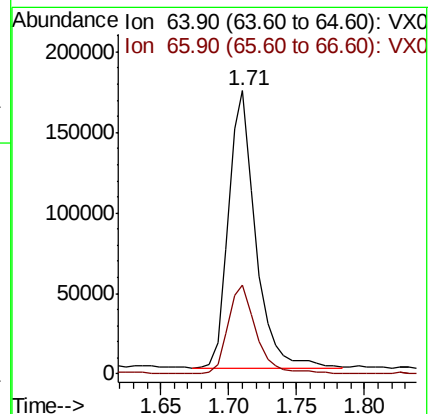
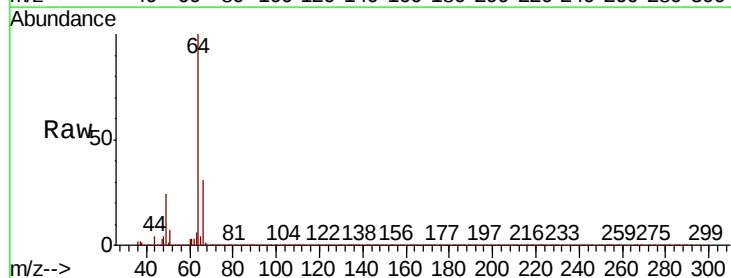
Acq: 15 Nov 2019 14:49

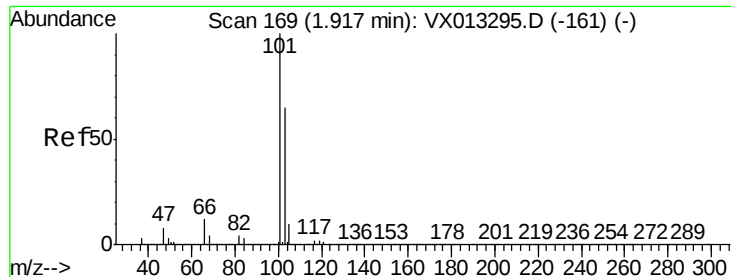
Tgt Ion: 64 Resp: 236485

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4



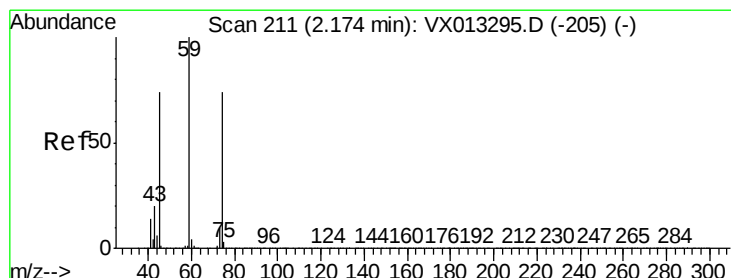
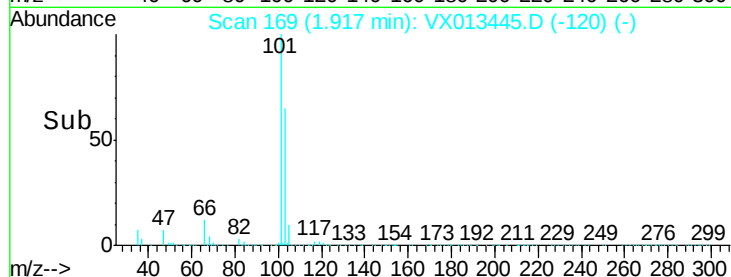
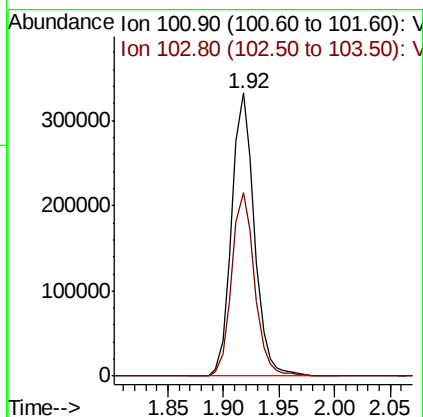
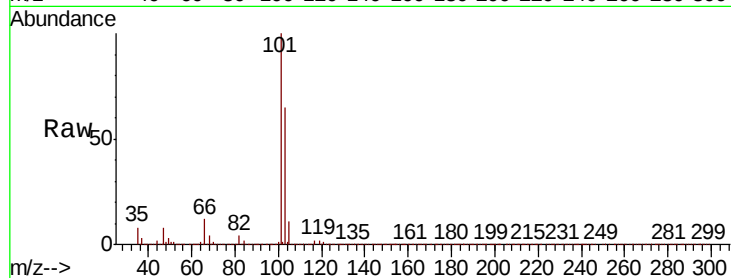


#7

Trichlorofluoromethane
Concen: 44.716 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013445.D
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Instrument :
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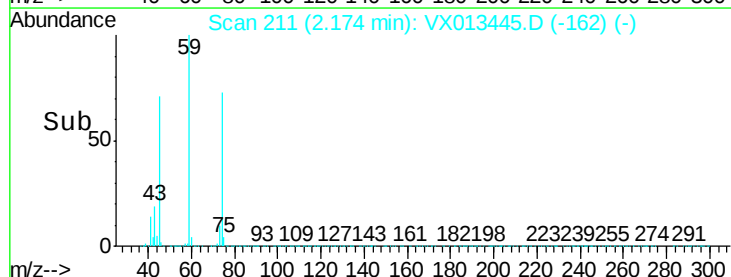
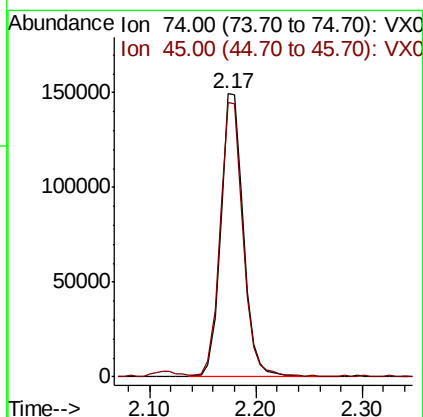
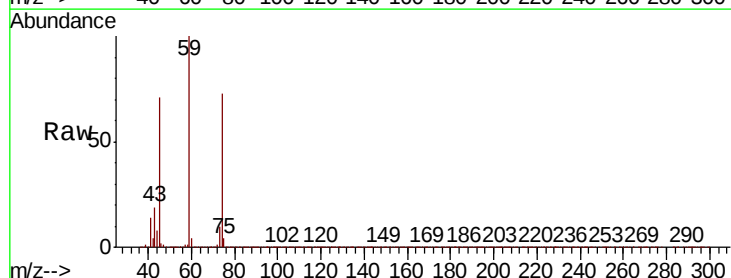
Tot Ion:101 Resp: 470545
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5

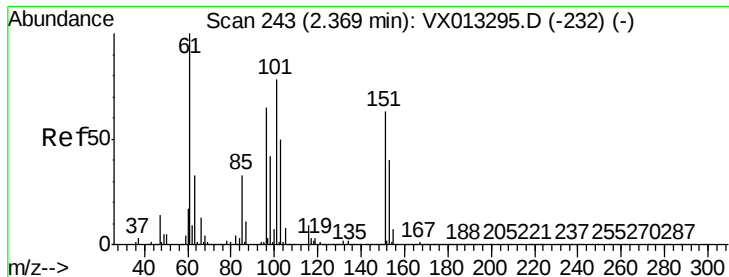


#8

Diethyl Ether
Concen: 47.076 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion: 74 Resp: 219062
Ion Ratio Lower Upper
74 100
45 98.0 48.5 145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.585 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

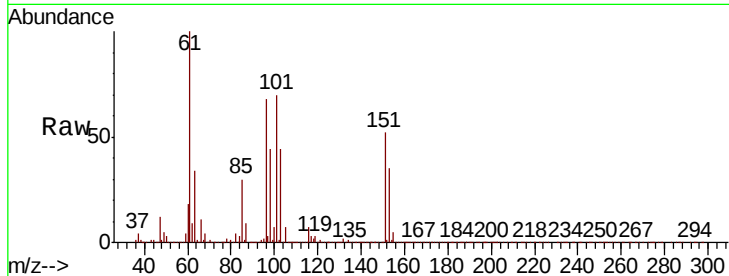
Tot Ion:101 Resp: 290821

Ion Ratio Lower Upper

101 100

85 42.4 34.4 51.6

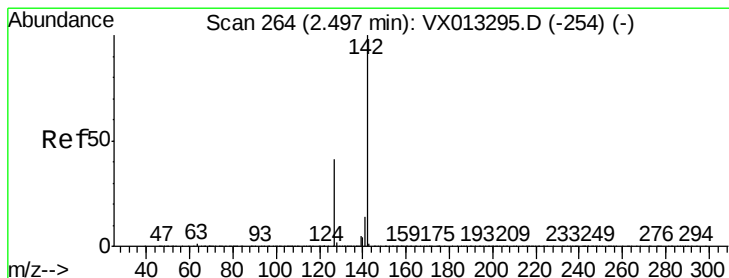
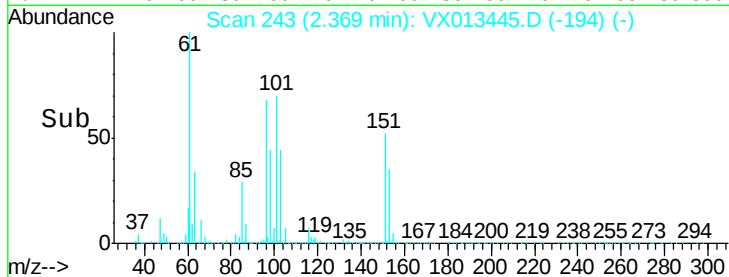
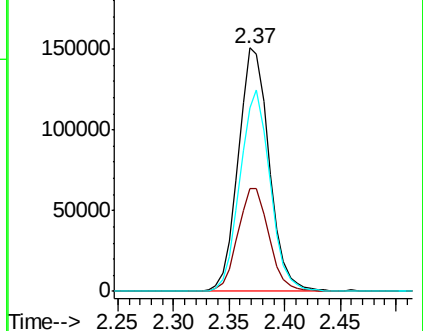
151 81.0 66.4 99.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 35.055 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

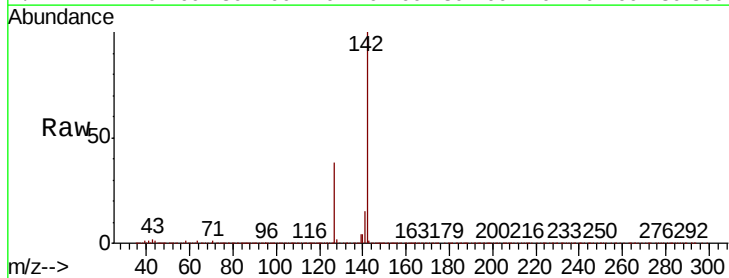
Tgt Ion:142 Resp: 254549

Ion Ratio Lower Upper

142 100

127 38.7 32.6 49.0

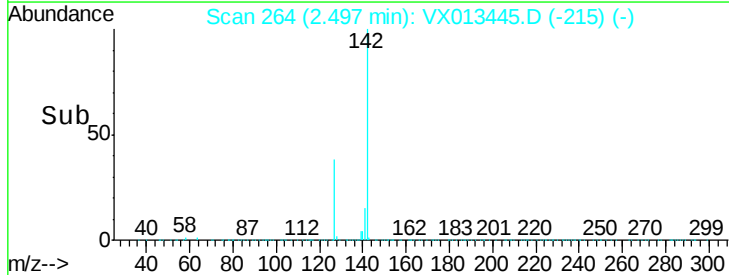
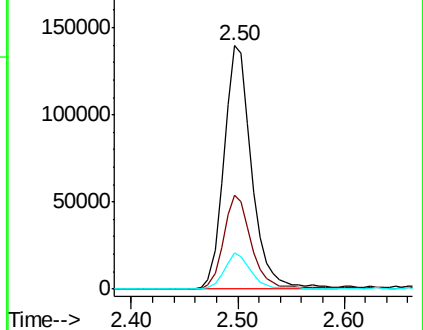
141 14.3 11.6 17.4

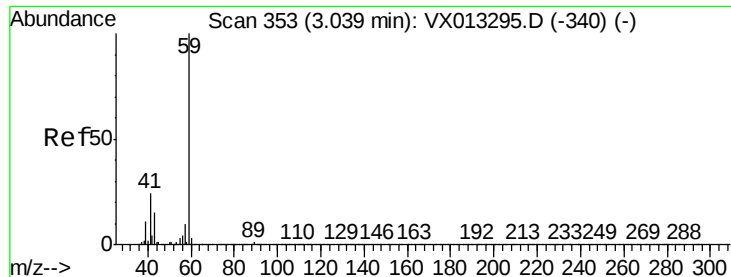


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



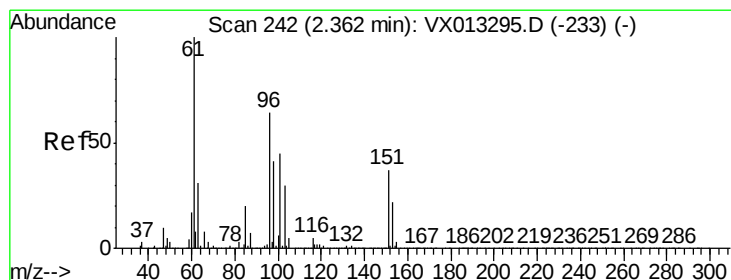
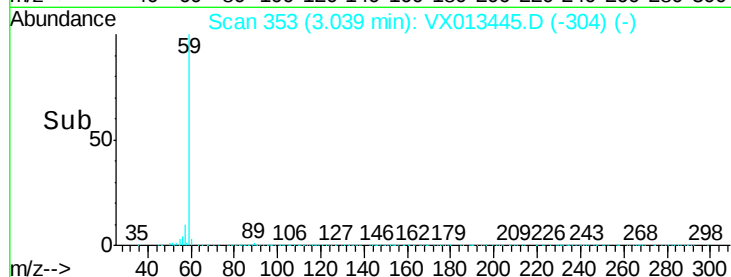
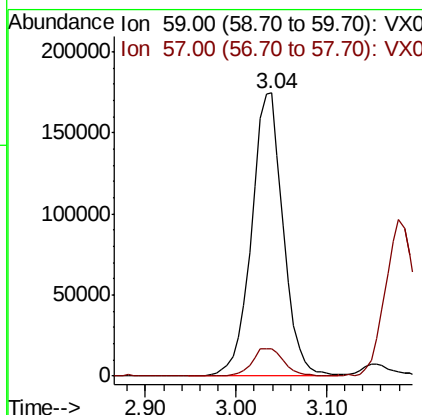
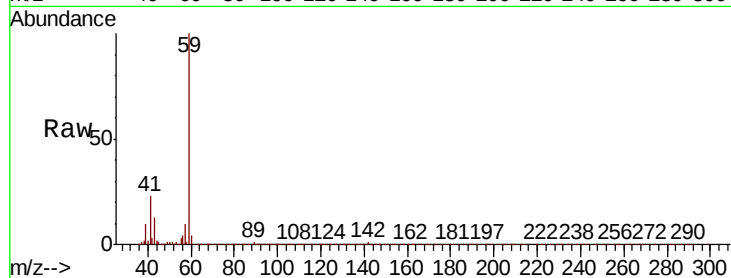


#11

Tert butyl alcohol
 Concen: 215.197 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MS

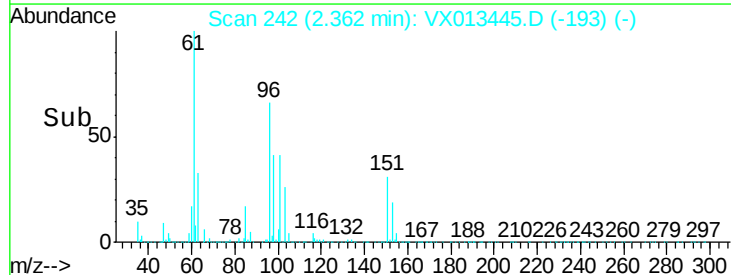
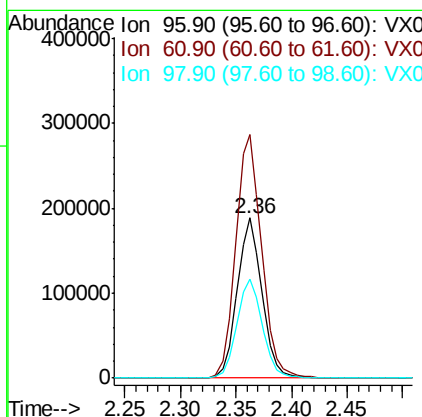
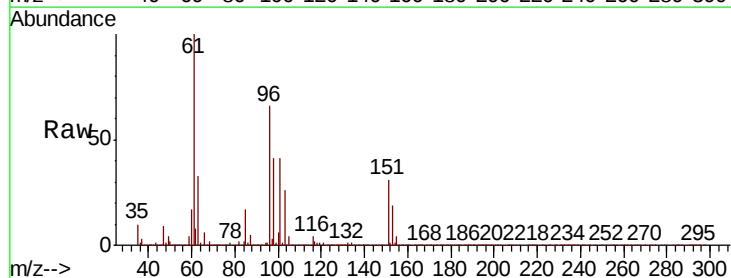
Tot Ion: 59 Resp: 420740
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.0 12.0

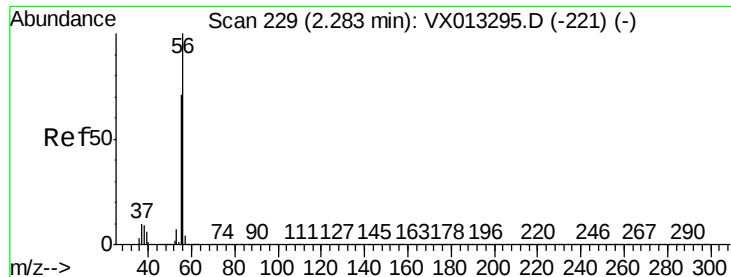


#12

1,1-Dichloroethene
 Concen: 50.386 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Tgt Ion: 96 Resp: 289391
 Ion Ratio Lower Upper
 96 100
 61 152.2 125.0 187.6
 98 62.0 50.7 76.1





#13

Acrolein

Concen: 242.583 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

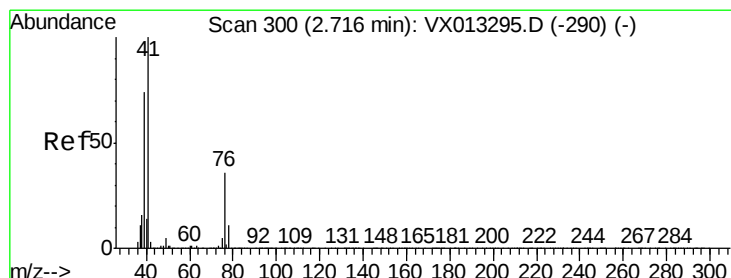
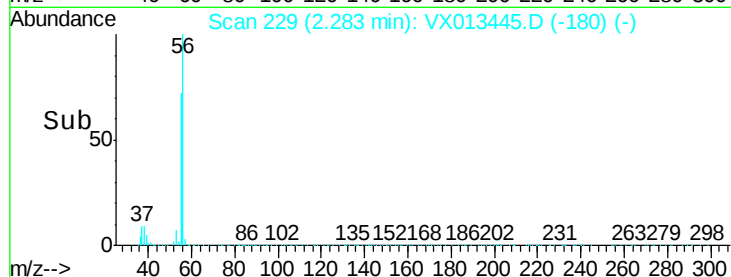
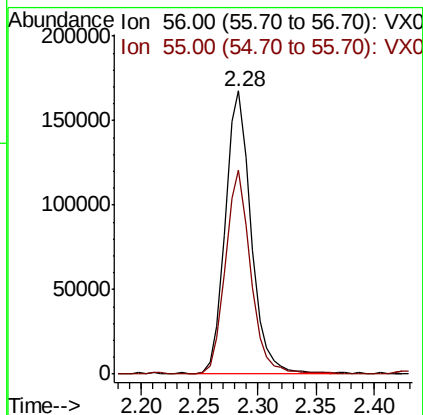
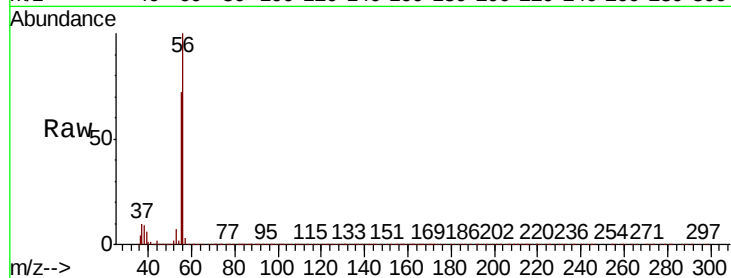
S36-0162MS

Tot Ion: 56 Resp: 257048

Ion Ratio Lower Upper

56 100

55 70.0 57.4 86.0



#14

Allyl chloride

Concen: 51.088 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

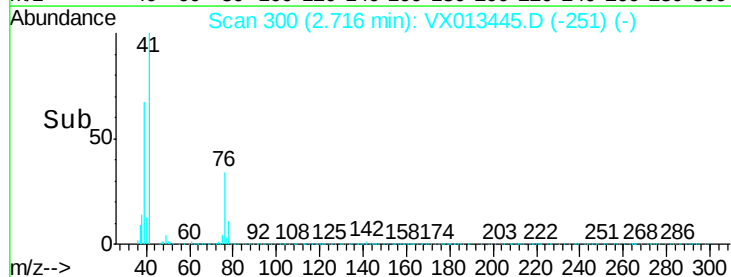
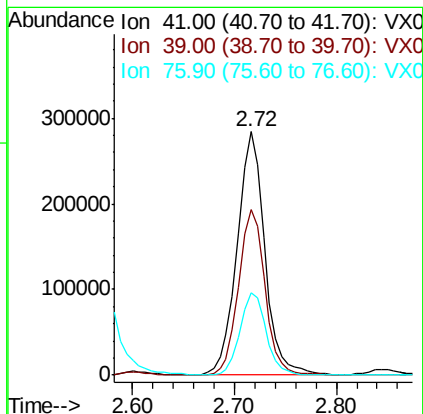
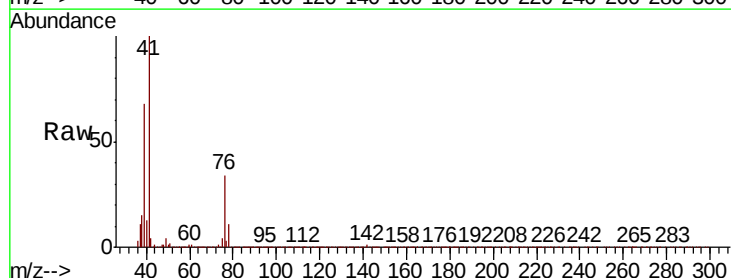
Tgt Ion: 41 Resp: 533133

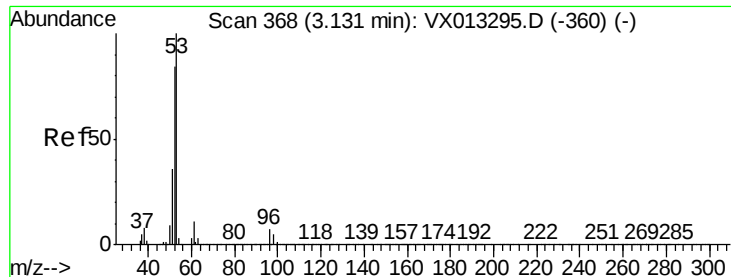
Ion Ratio Lower Upper

41 100

39 65.0 55.8 83.8

76 31.8 26.4 39.6





#15

Acrylonitrile

Concen: 263.196 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

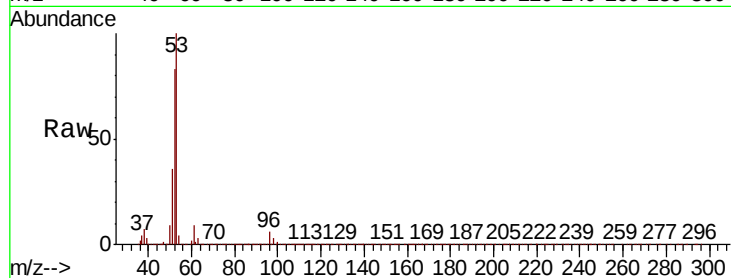
Tot Ion: 53 Resp: 961221

Ion Ratio Lower Upper

53 100

52 82.9 67.4 101.0

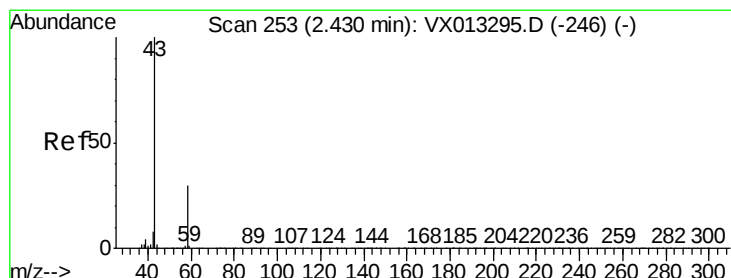
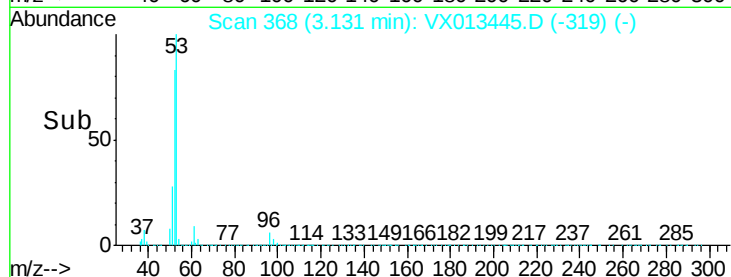
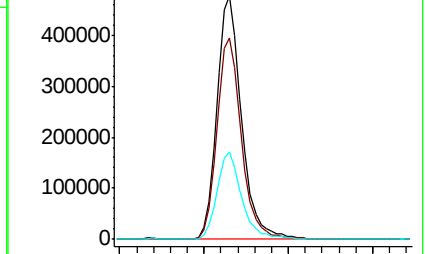
51 36.2 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 219.486 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013445.D

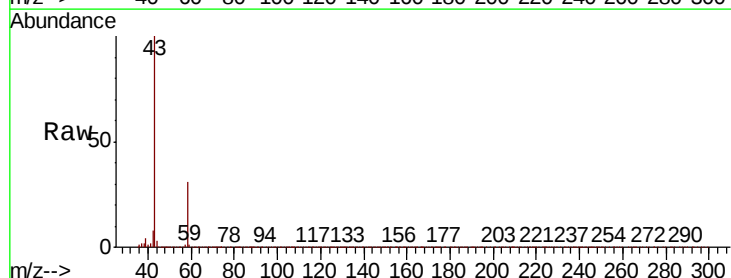
Acq: 15 Nov 2019 14:49

Tgt Ion: 43 Resp: 812085

Ion Ratio Lower Upper

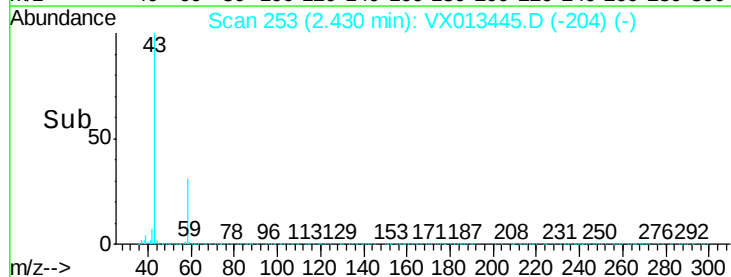
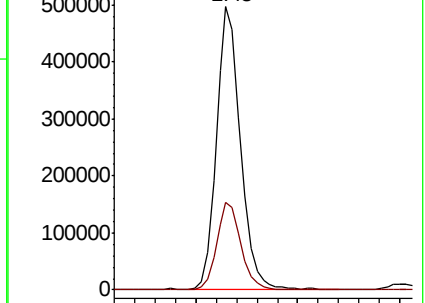
43 100

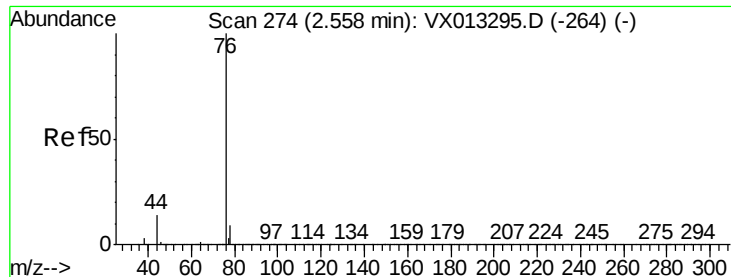
58 30.7 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 46.711 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

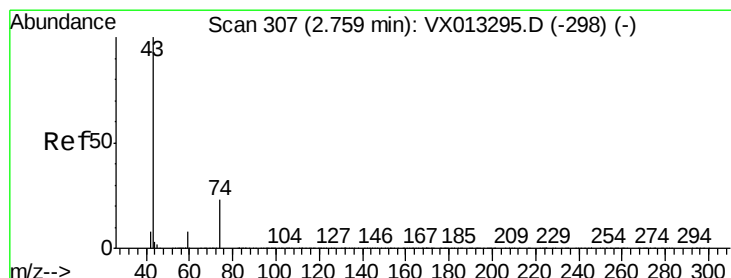
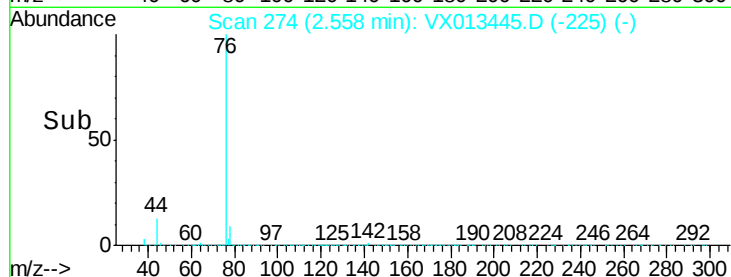
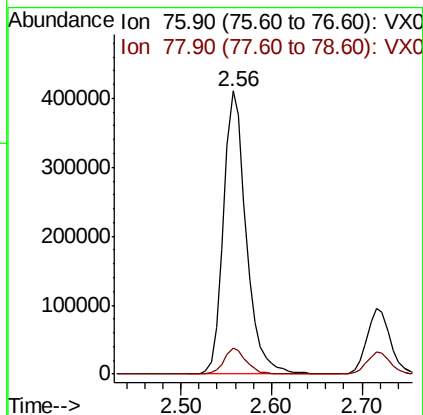
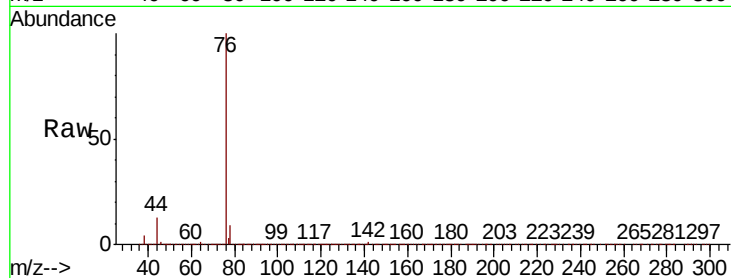
S36-0162MS

Tot Ion: 76 Resp: 718076

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



#18

Methyl Acetate

Concen: 52.658 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX013445.D

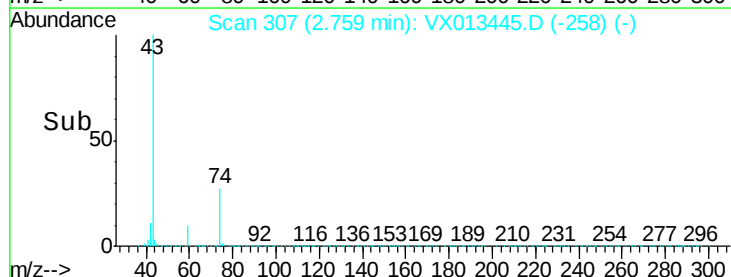
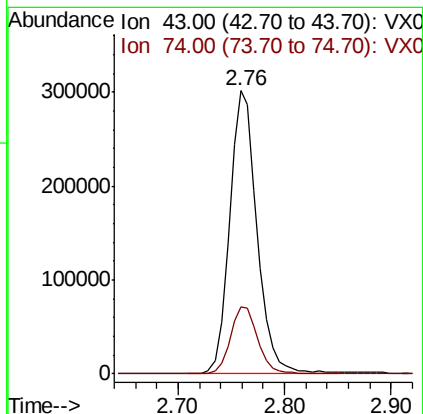
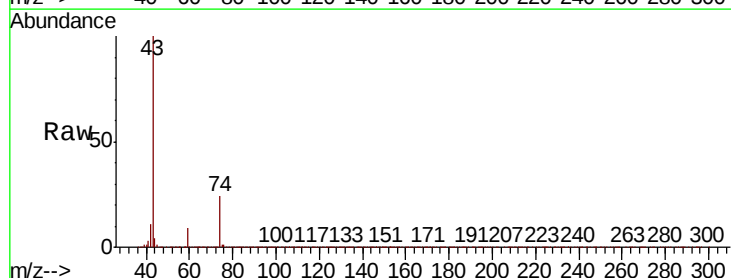
Acq: 15 Nov 2019 14:49

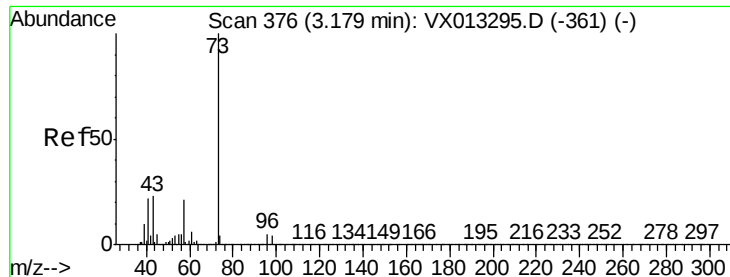
Tgt Ion: 43 Resp: 537890

Ion Ratio Lower Upper

43 100

74 23.9 19.0 28.6



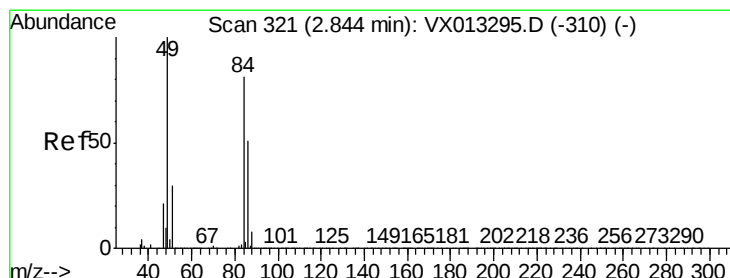
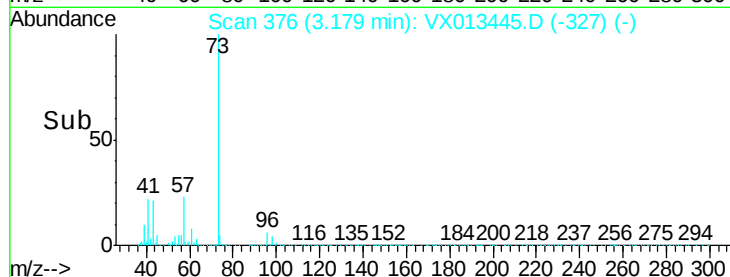
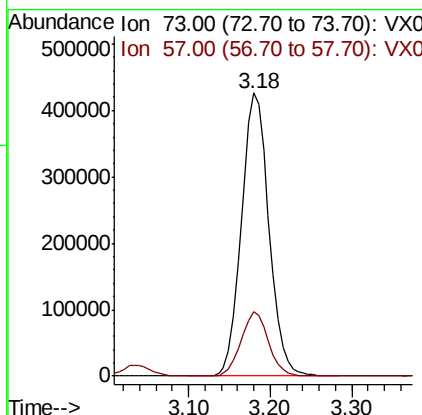
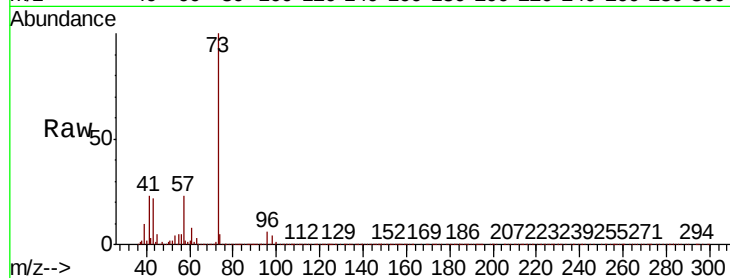


#19

Methyl tert-butyl Ether
Concen: 51.993 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

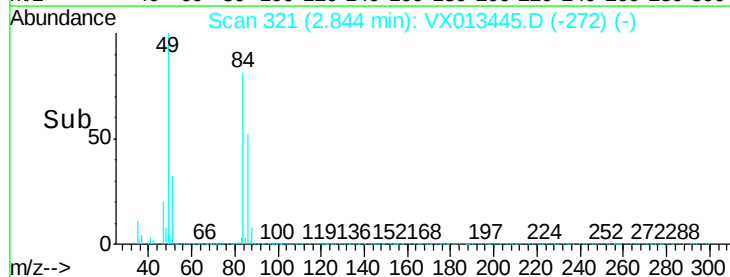
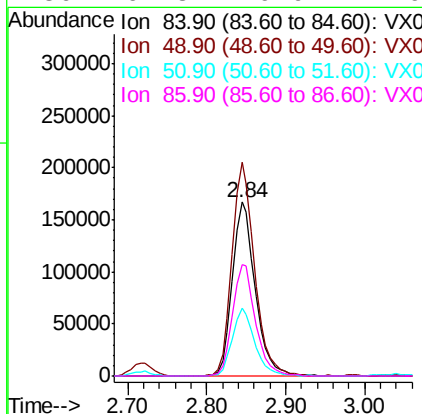
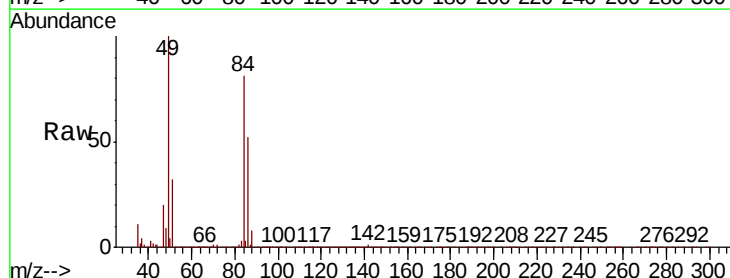
Tot Ion: 73 Resp: 995989
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7

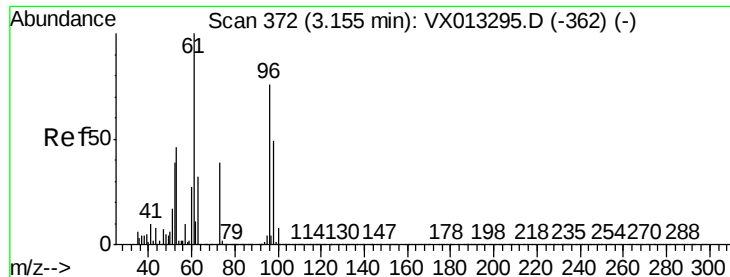


#20

Methylene Chloride
Concen: 48.941 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion: 84 Resp: 334565
Ion Ratio Lower Upper
84 100
49 122.8 98.2 147.4
51 39.1 29.9 44.9
86 64.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.859 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

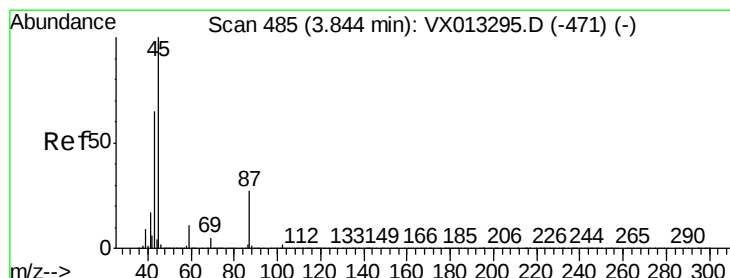
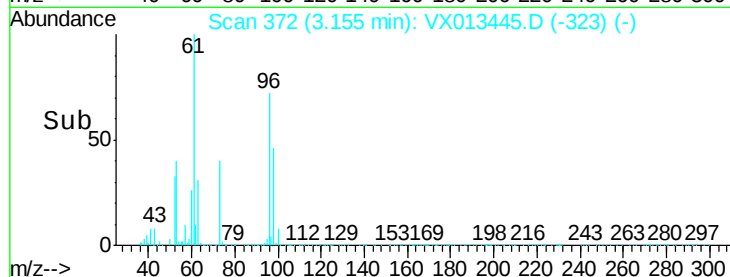
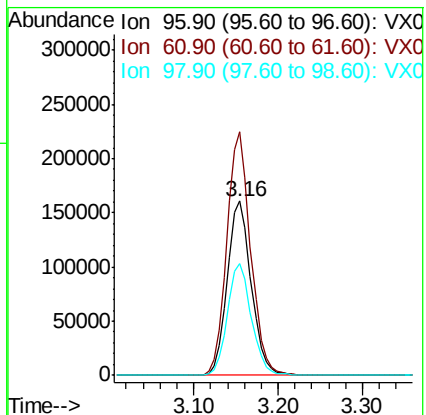
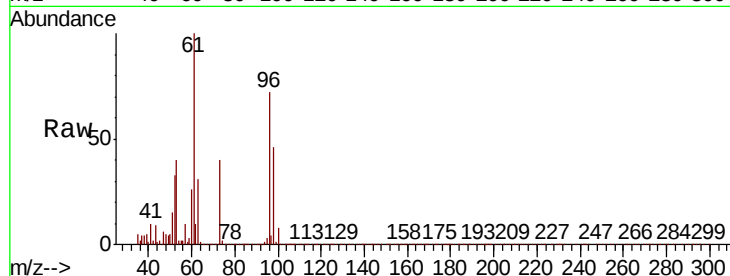
Tot Ion: 96 Resp: 311797

Ion Ratio Lower Upper

96 100

61 139.5 105.8 158.6

98 64.0 51.8 77.6



#22

Diisopropyl ether

Concen: 53.500 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion: 45 Resp: 1077886

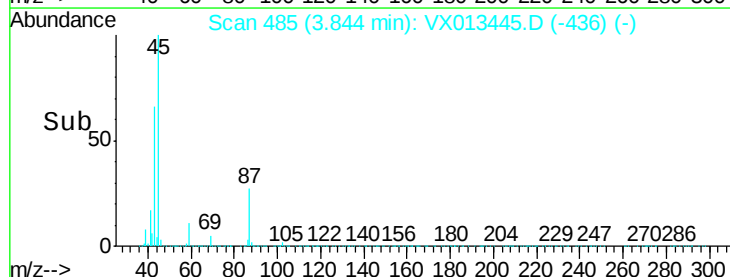
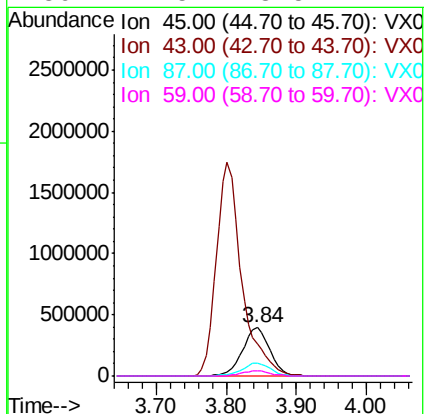
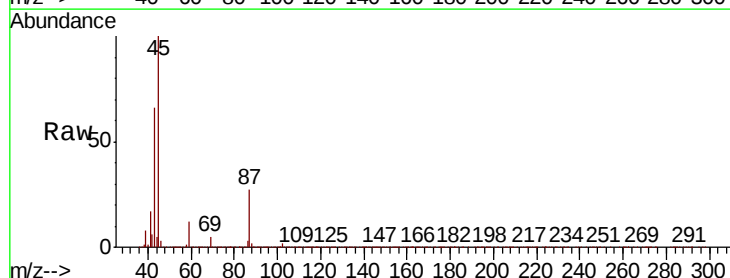
Ion Ratio Lower Upper

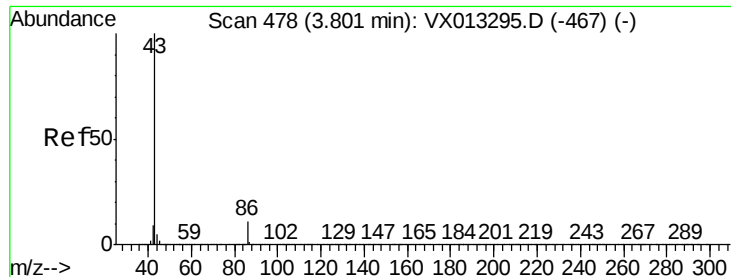
45 100

43 65.7 54.2 81.2

87 27.2 21.8 32.8

59 11.5 8.5 12.7





#23

Vinyl Acetate

Concen: 256.584 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

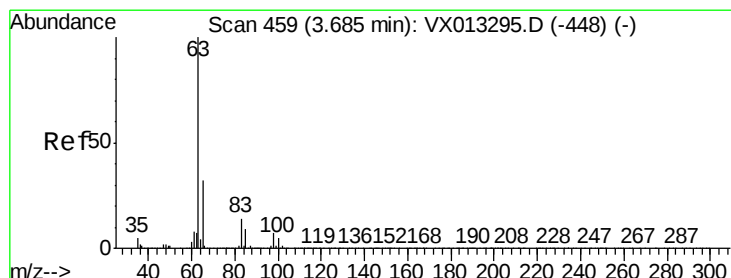
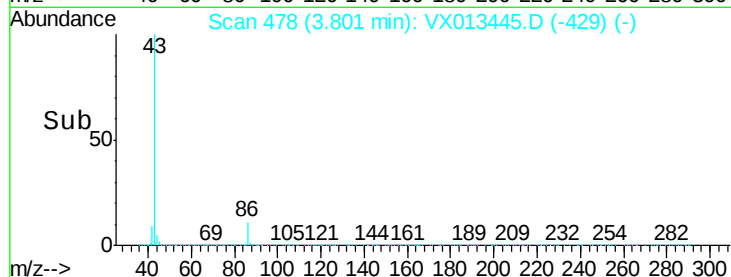
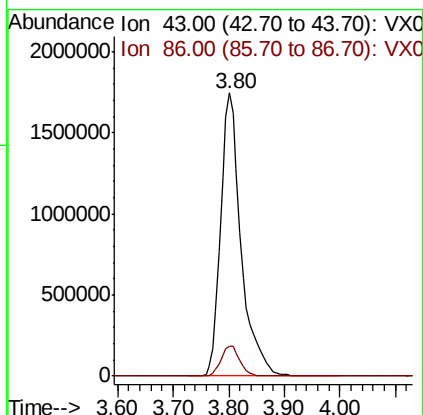
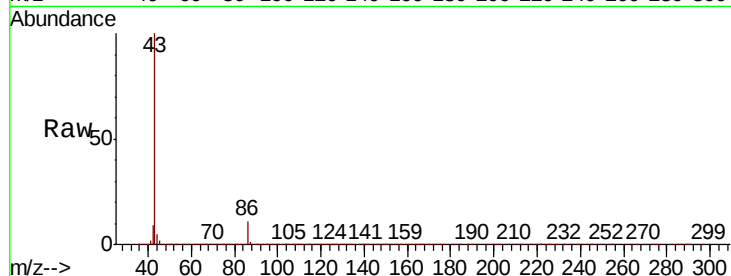
S36-0162MS

Tot Ion: 43 Resp: 4423489

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



#24

1,1-Dichloroethane

Concen: 51.136 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

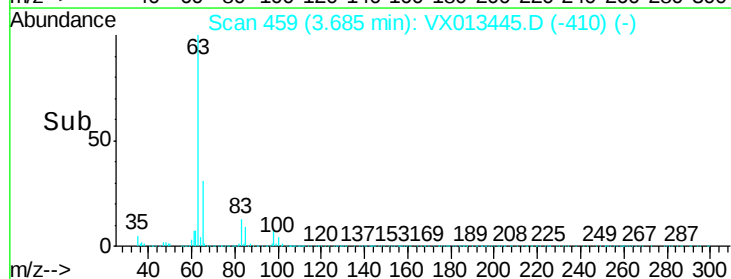
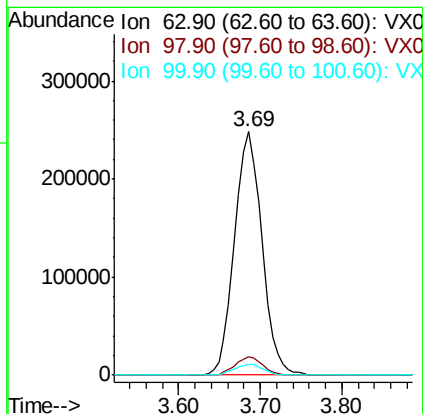
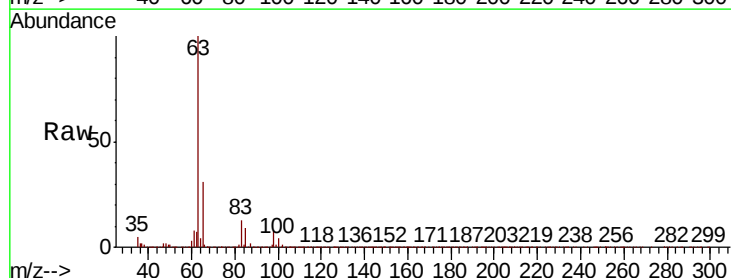
Tgt Ion: 63 Resp: 576332

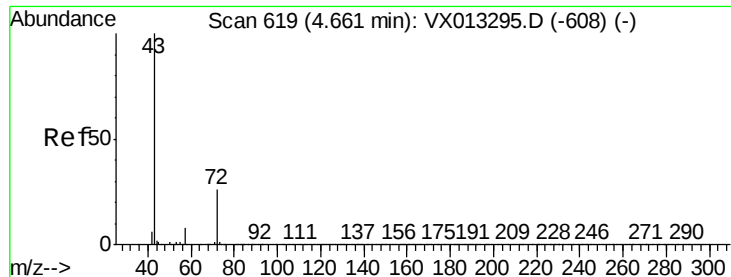
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.4

100 4.1 2.4 7.2





#25

2-Butanone

Concen: 246.570 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

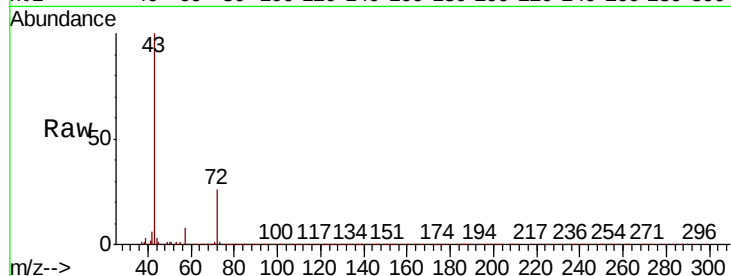
S36-0162MS

Tot Ion: 43 Resp: 1338349

Ion Ratio Lower Upper

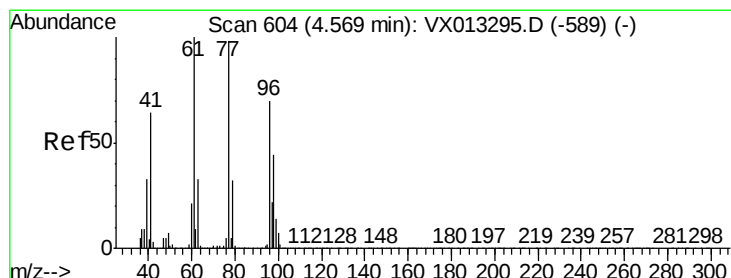
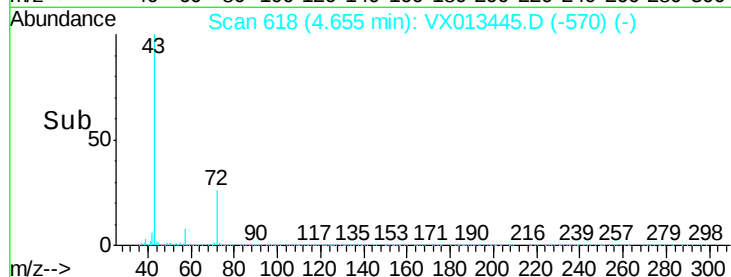
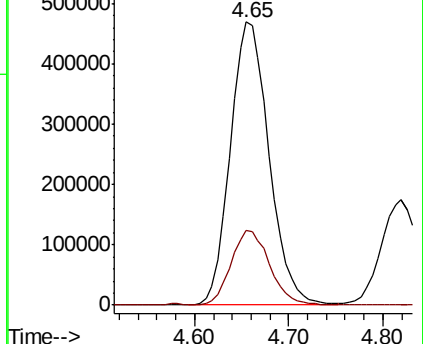
43 100

72 26.1 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 50.130 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013445.D

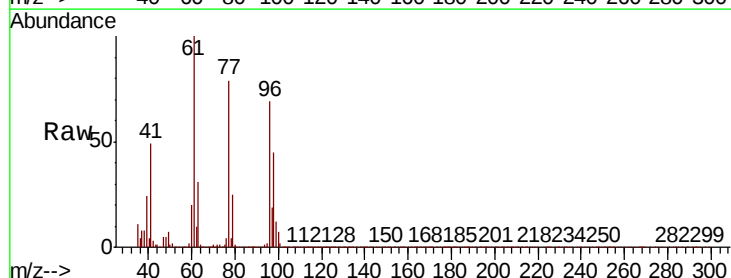
Acq: 15 Nov 2019 14:49

Tgt Ion: 77 Resp: 449464

Ion Ratio Lower Upper

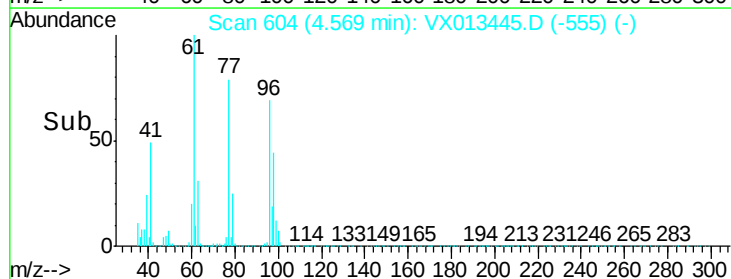
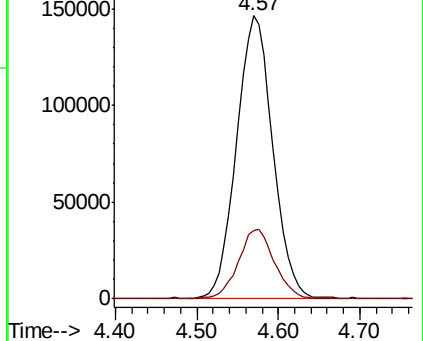
77 100

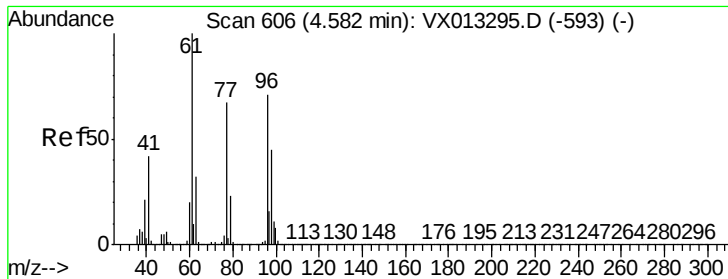
97 24.2 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



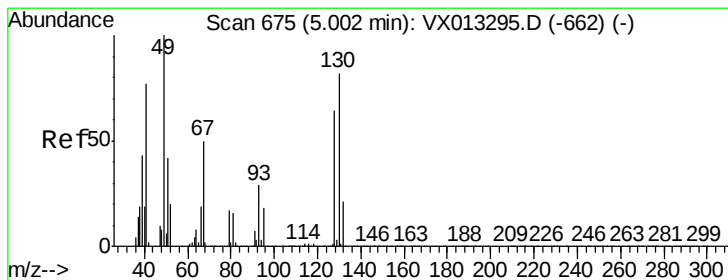
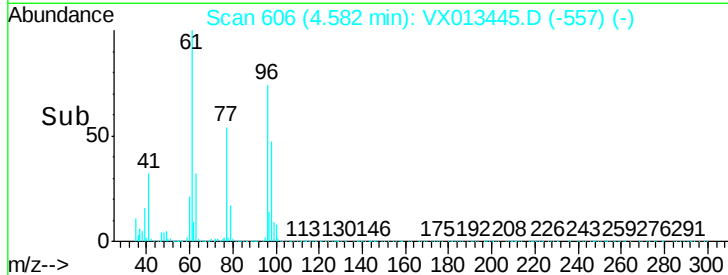
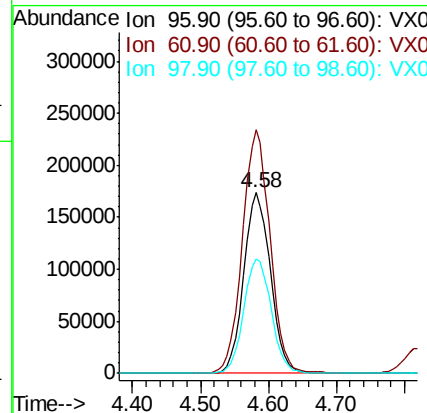
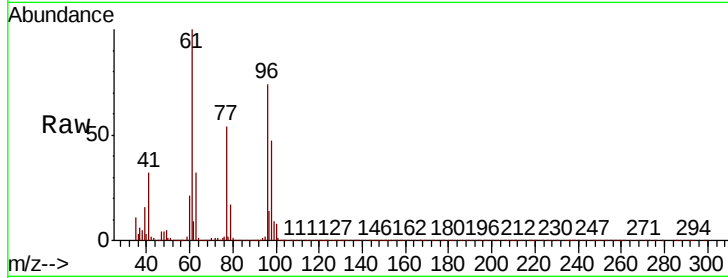


#27

cis-1,2-Dichloroethene
Concen: 67.551 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

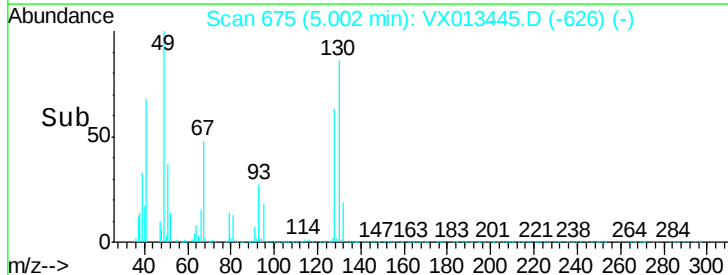
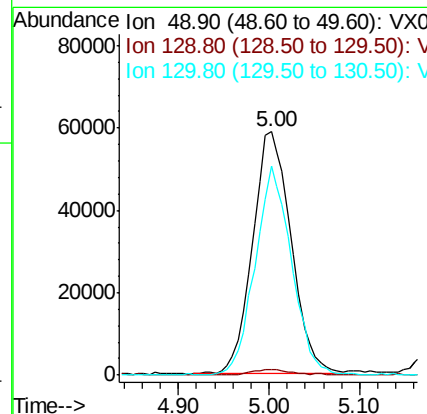
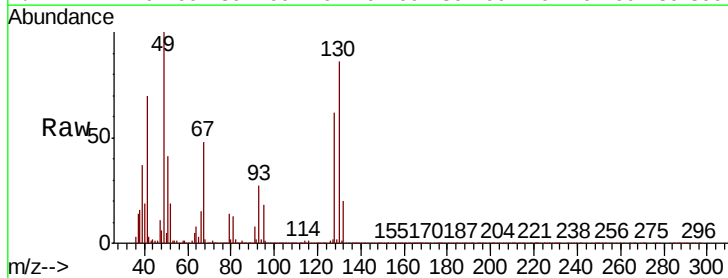
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	288.0
98	65.4	0.0	129.6

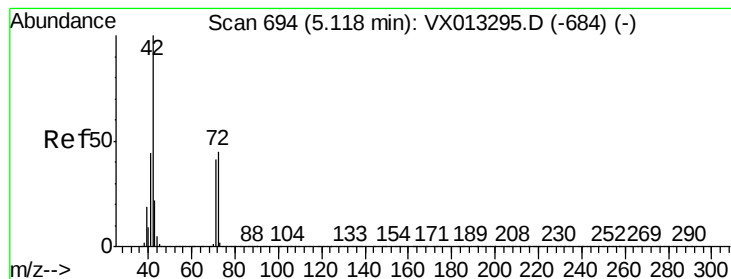


#28

Bromochloromethane
Concen: 54.126 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.2
130	80.5	63.8	95.6





#29

Tetrahydrofuran

Concen: 258.349 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.01 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

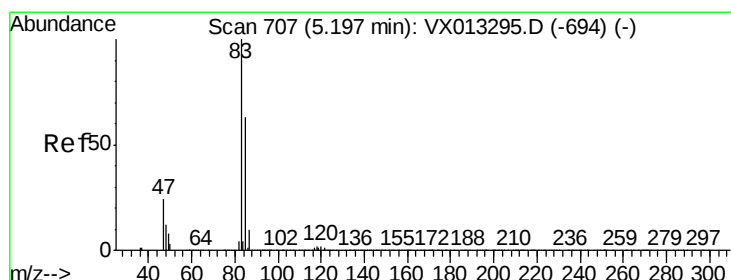
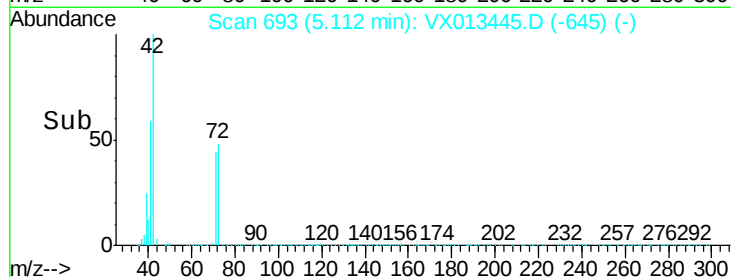
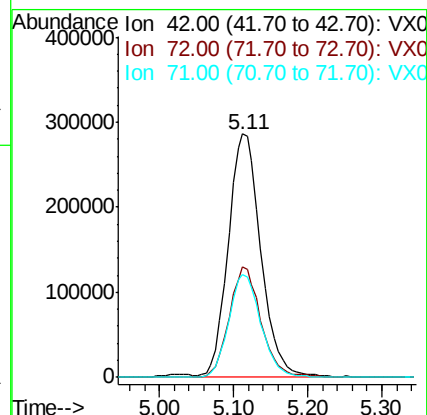
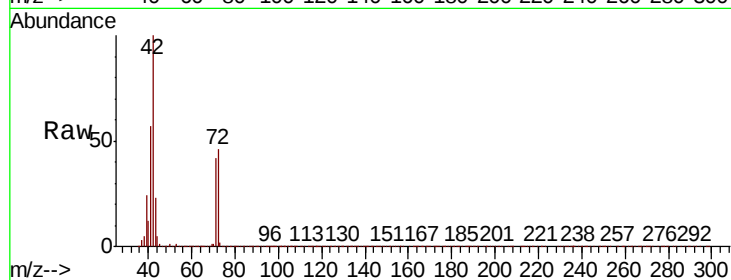
Tot Ion: 42 Resp: 864146

Ion Ratio Lower Upper

42 100

72 44.8 35.8 53.8

71 42.2 33.4 50.0



#30

Chloroform

Concen: 50.815 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013445.D

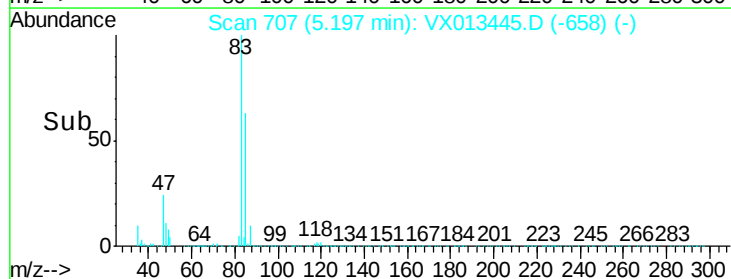
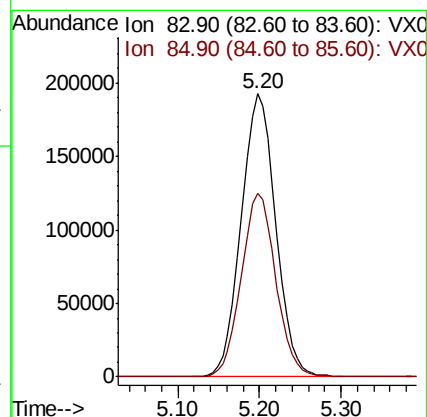
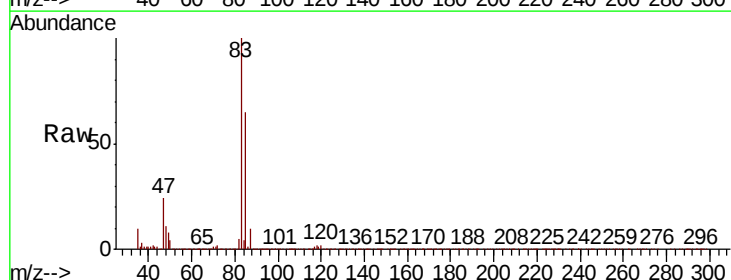
Acq: 15 Nov 2019 14:49

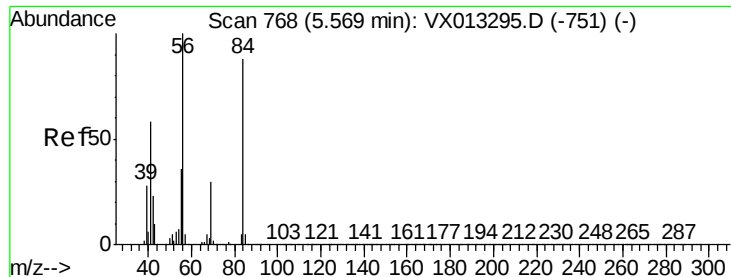
Tgt Ion: 83 Resp: 565518

Ion Ratio Lower Upper

83 100

85 64.8 50.2 75.4

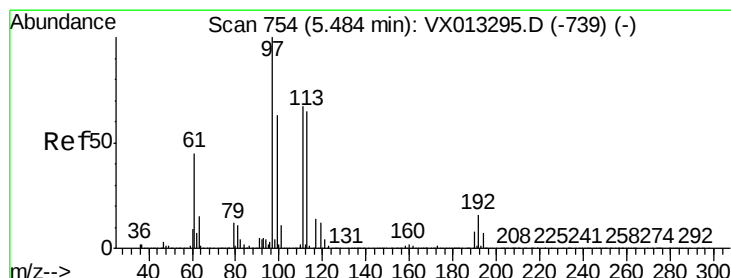
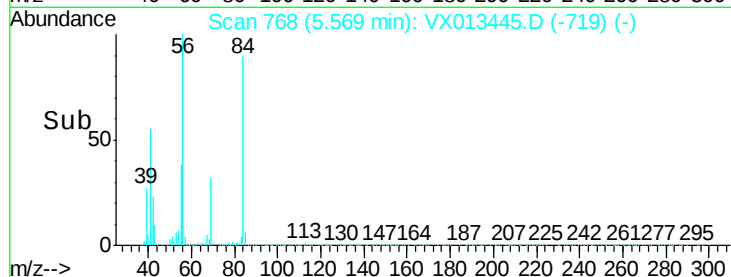
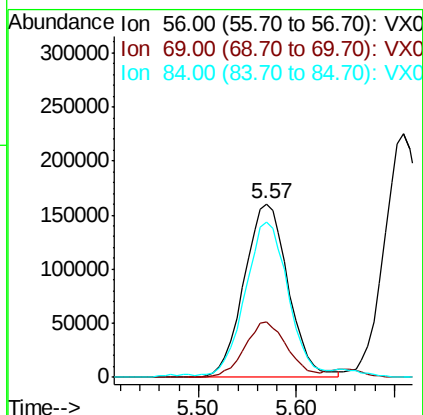
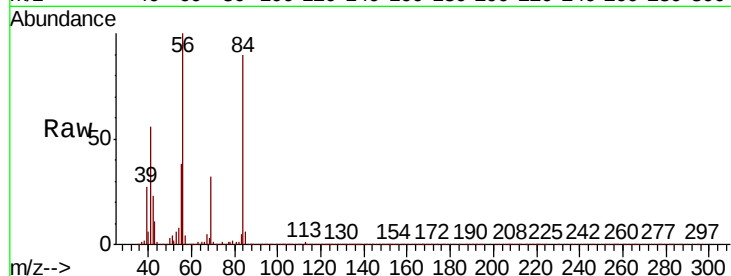




#31
Cyclohexane
Concen: 49.484 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

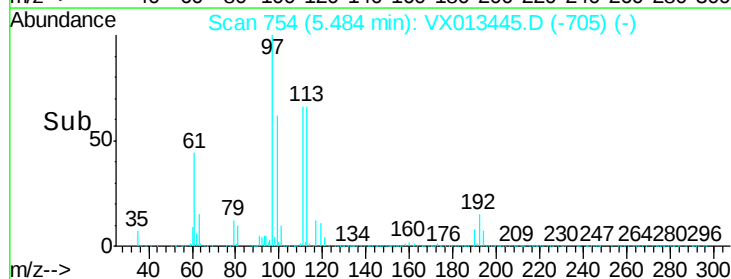
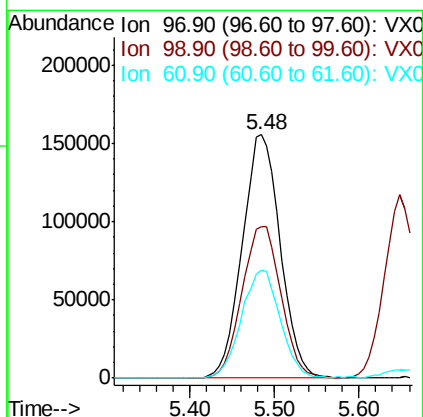
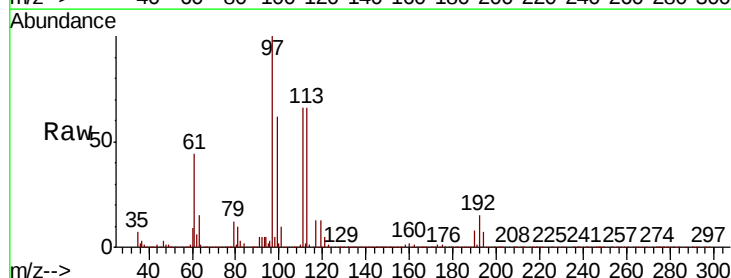
Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

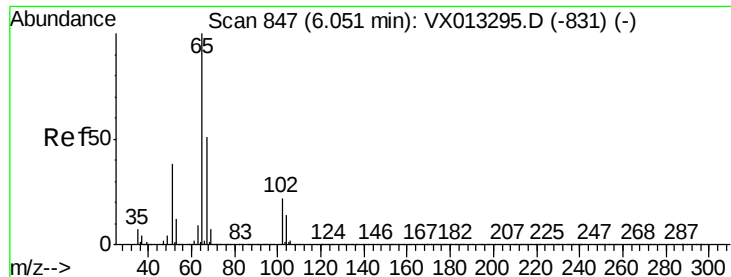
Tot Ion: 56 Resp: 501845
Ion Ratio Lower Upper
56 100
69 31.5 23.7 35.5
84 88.1 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 49.742 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion: 97 Resp: 476401
Ion Ratio Lower Upper
97 100
99 64.3 51.1 76.7
61 45.1 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 47.745 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

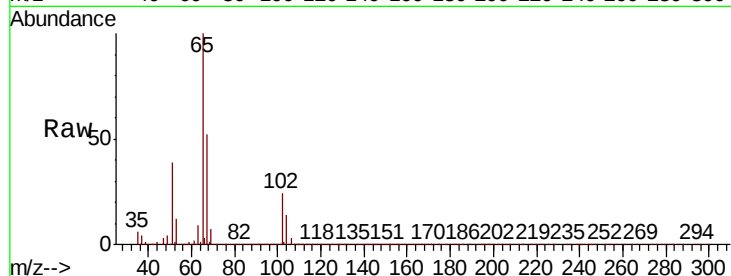
S36-0162MS

Tot Ion: 65 Resp: 354168

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

150000

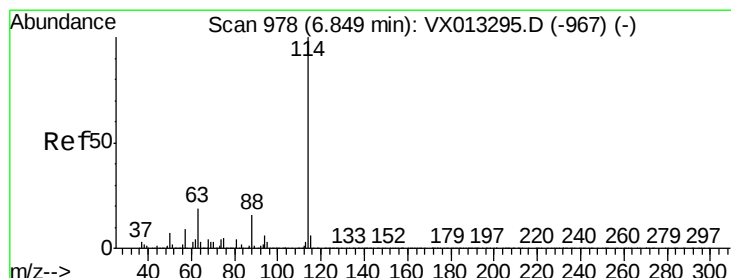
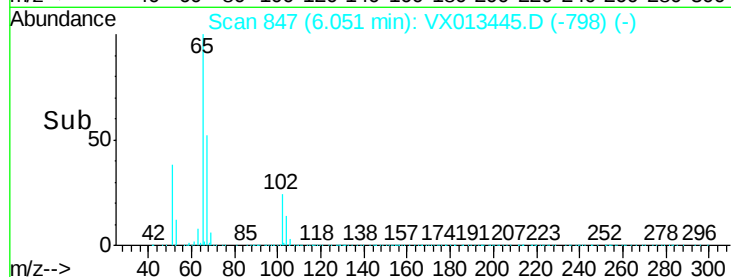
100000

50000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

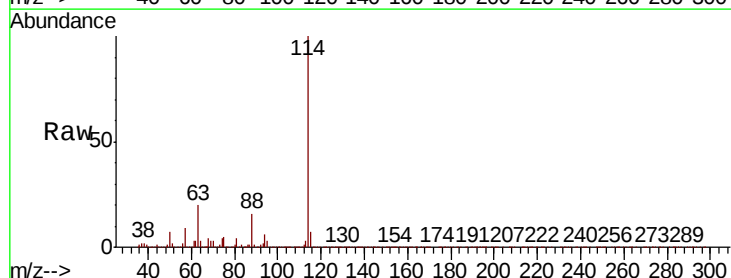
Tgt Ion: 114 Resp: 964994

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.5 0.0 32.2



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

6.85

500000

400000

300000

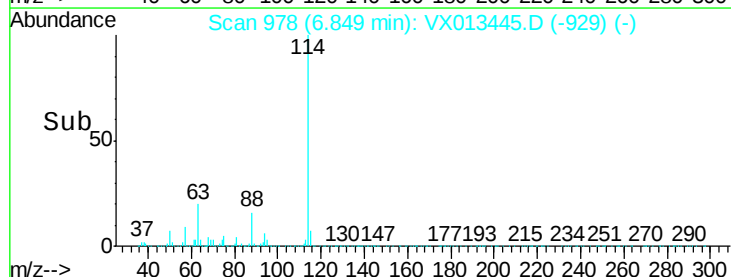
200000

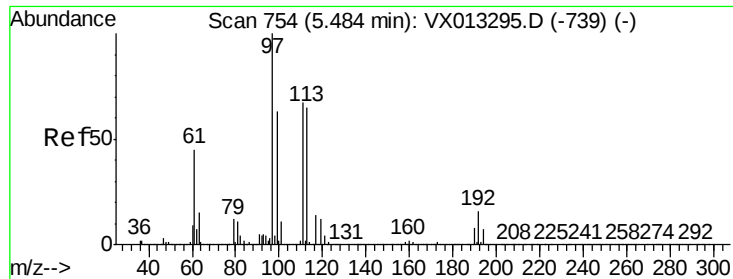
100000

0

6.70 6.80 6.90

Time-->

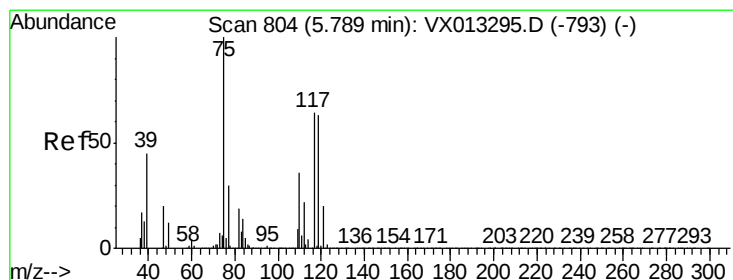
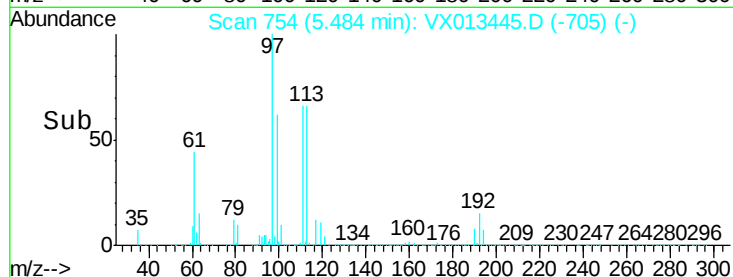
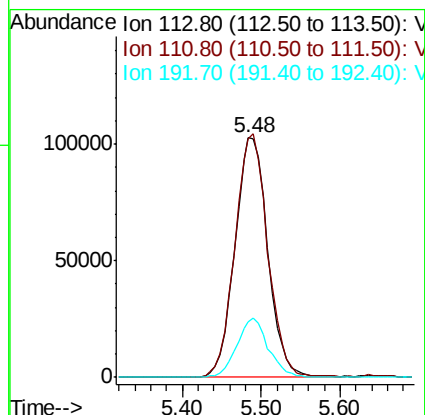
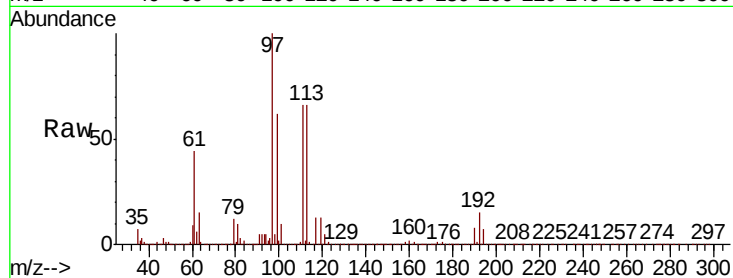




#35
 Dibromofluoromethane
 Concen: 48.909 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

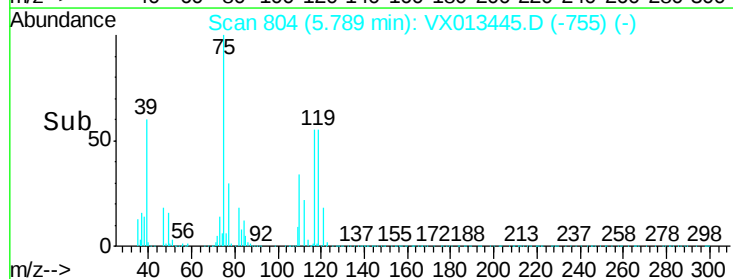
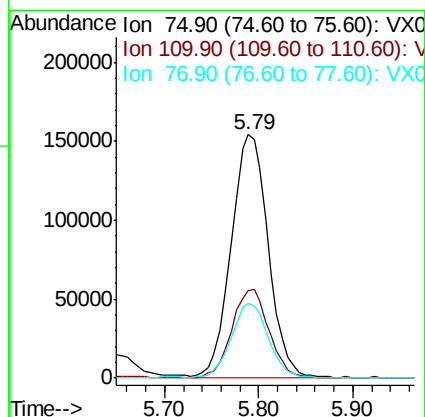
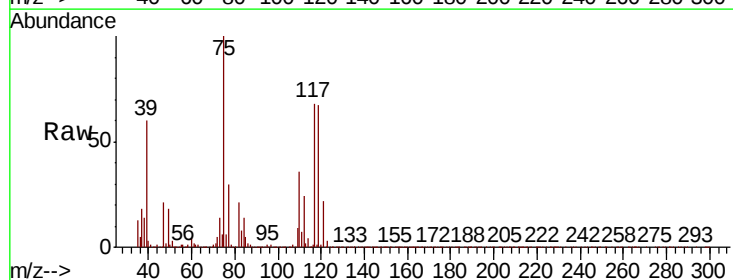
Instrument :
 MSVOA_X
 ClientSampled :
 S36-0162MS

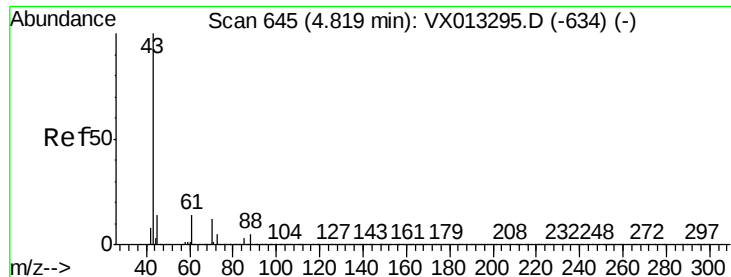
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.9	122.9
192	23.7	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 50.561 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.1	54.1
77	30.7	25.0	37.4

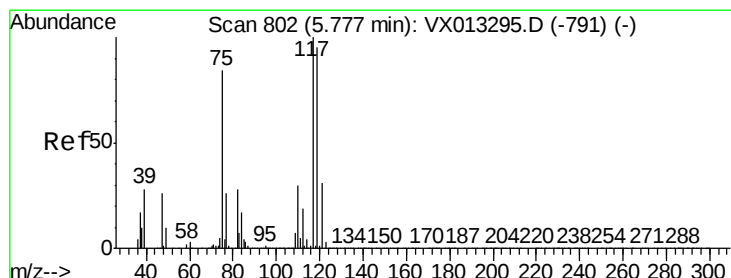
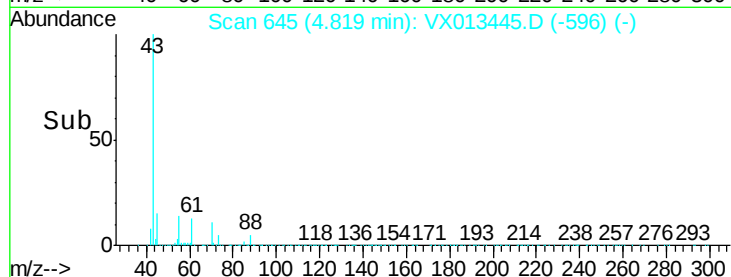
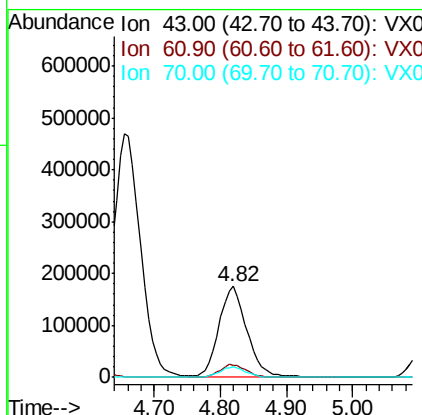
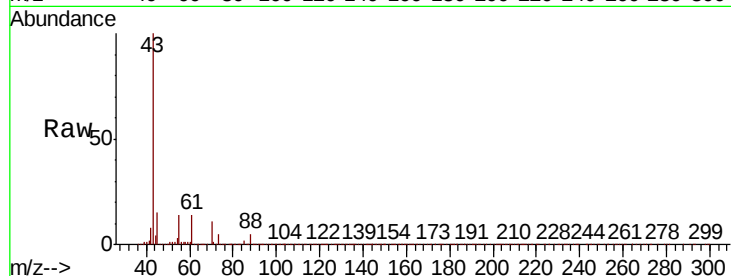




#37
Ethyl Acetate
Concen: 49.744 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

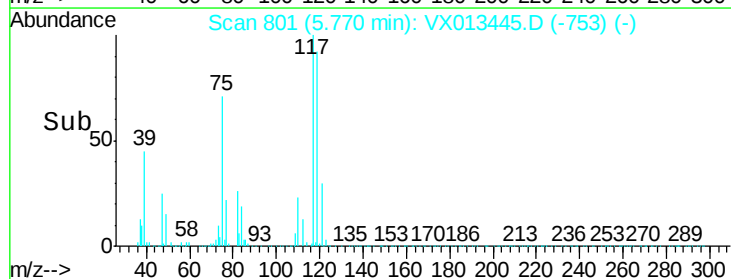
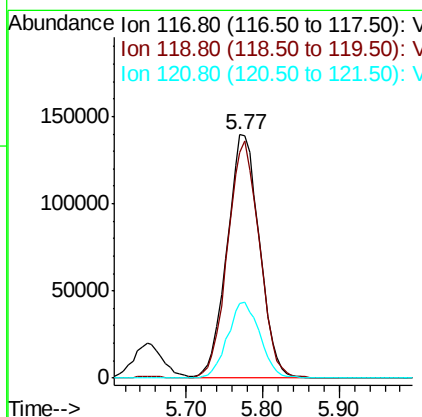
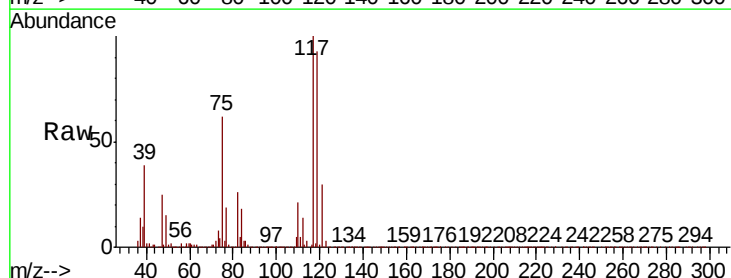
Instrument :
MSVOA_X
ClientSampled :
S36-0162MS

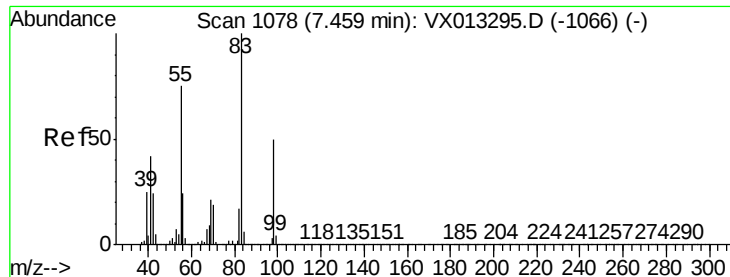
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.7	16.1
70	10.8	8.7	13.1



#38
Carbon Tetrachloride
Concen: 50.404 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.1	114.1
121	30.3	24.6	37.0

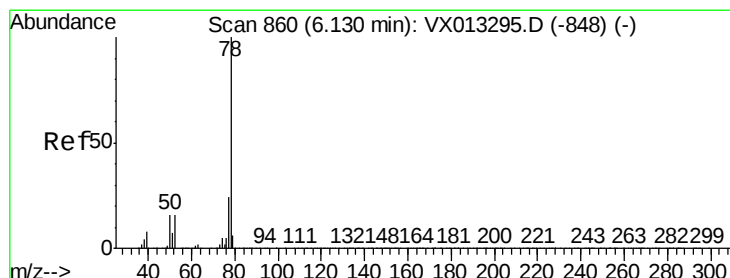
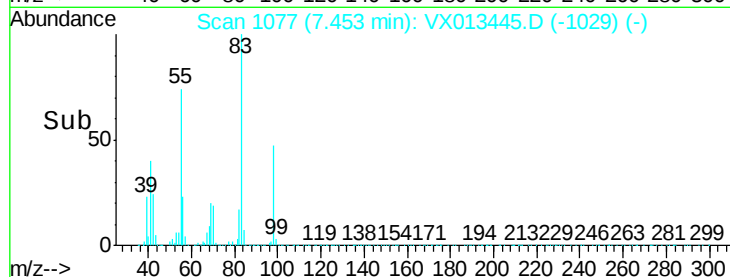
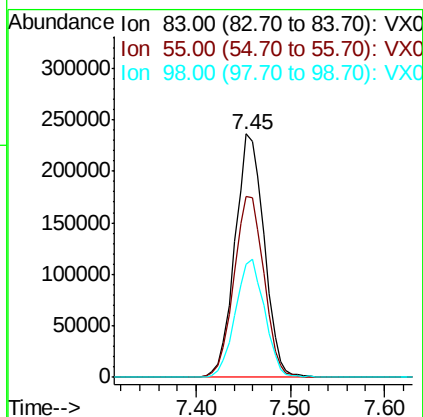
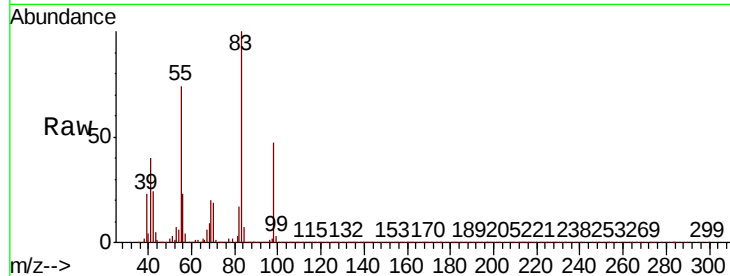




#39
Methvlcvclohexane
Concen: 49.095 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

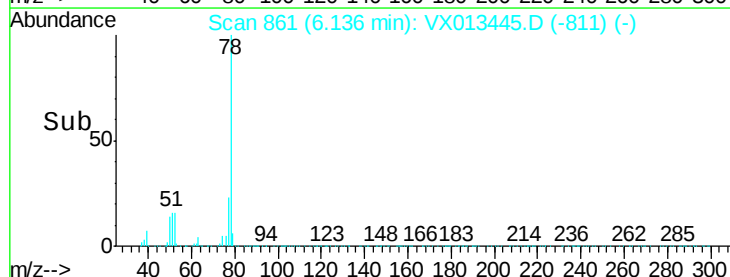
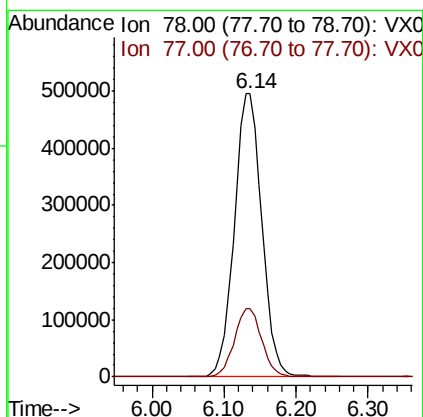
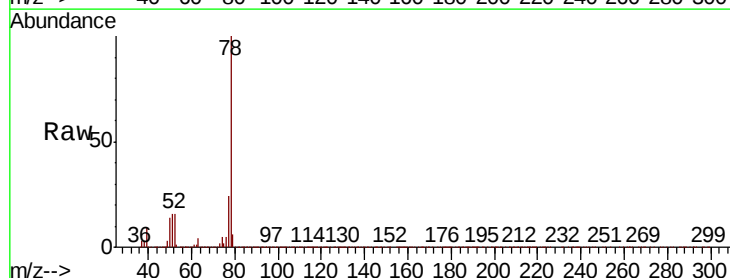
Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

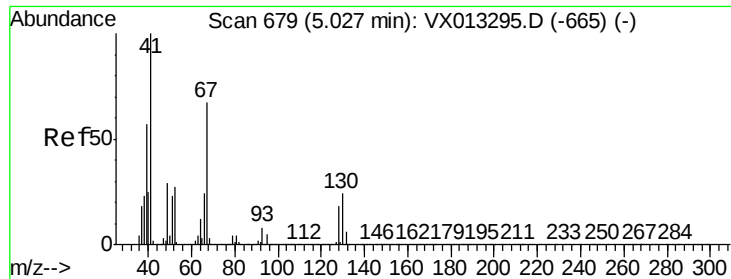
Tot Ion	83	Resp	506424
Ion Ratio	Lower	Upper	
83	100		
55	74.2	60.3	90.5
98	46.5	40.3	60.5



#40
Benzene
Concen: 50.794 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	78	Resp	1309843
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.5	29.3

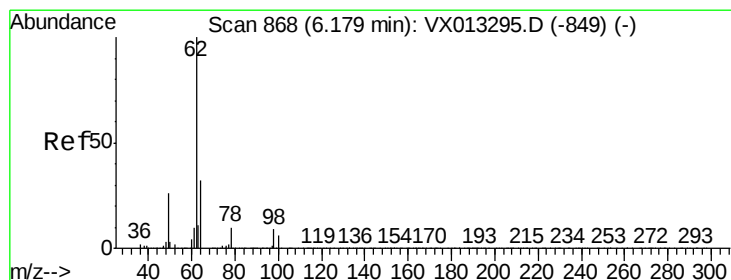
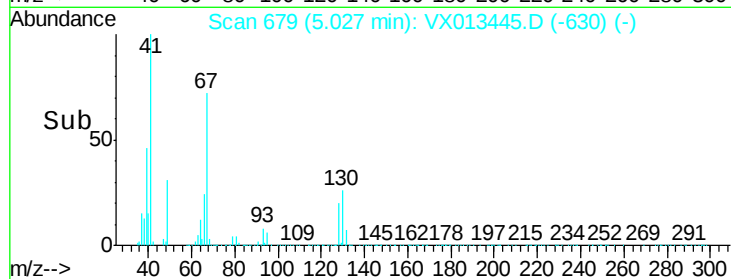
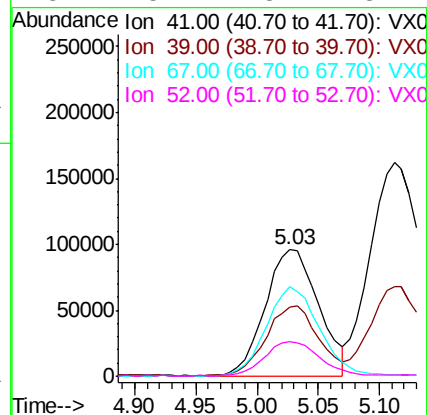
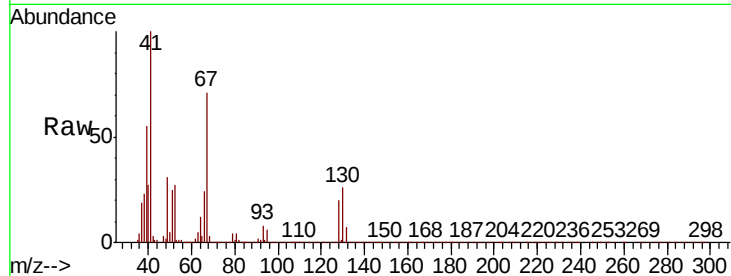




#41
Methacrylonitrile
Concen: 50.701 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

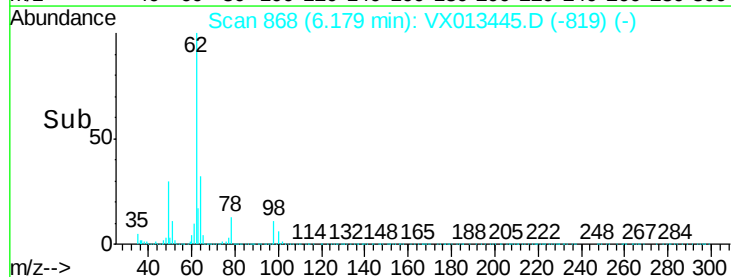
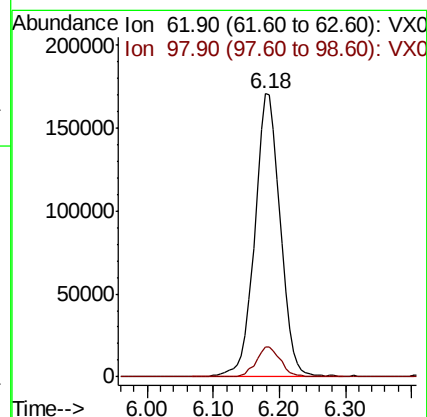
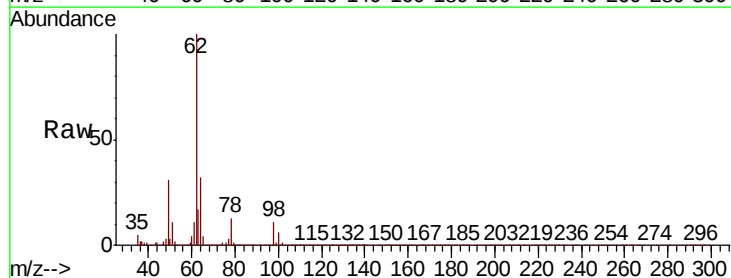
Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

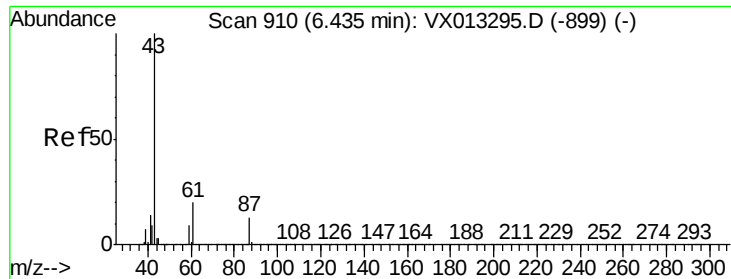
Tot Ion:	41	Resp:	290700
Ion	Ratio	Lower	Upper
41	100		
39	55.5	45.0	67.6
67	70.5	55.4	83.2
52	28.2	23.1	34.7



#42
1,2-Dichloroethane
Concen: 49.468 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion:	62	Resp:	460127
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4



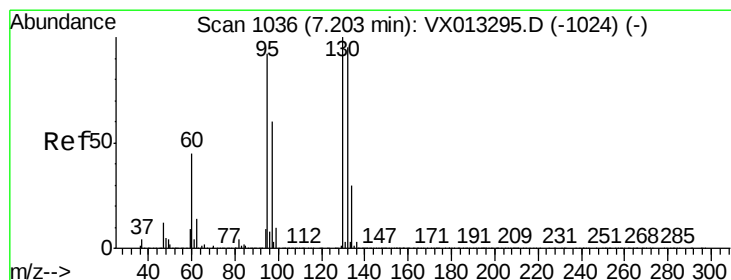
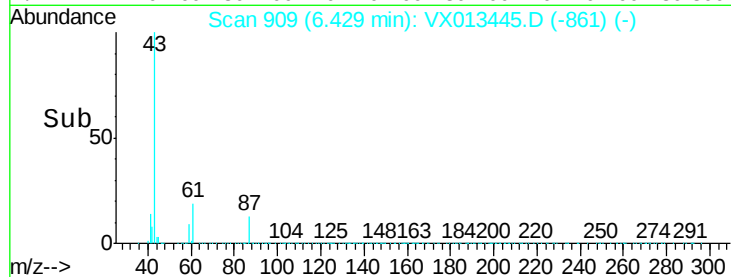
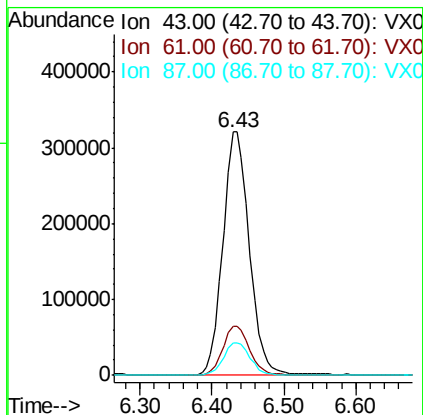
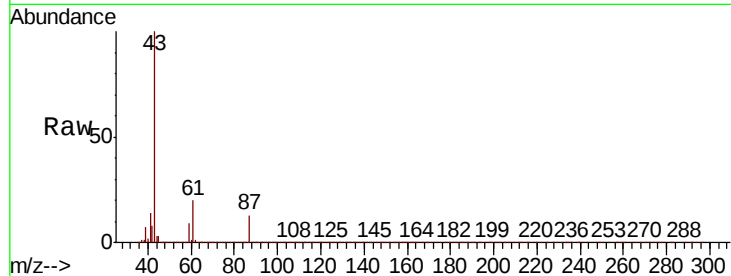


#43

Isopropyl Acetate
 Concen: 51.348 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MS

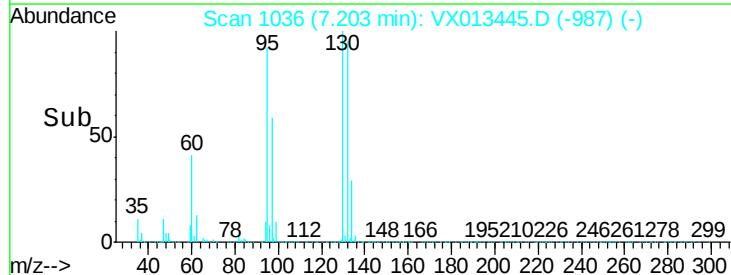
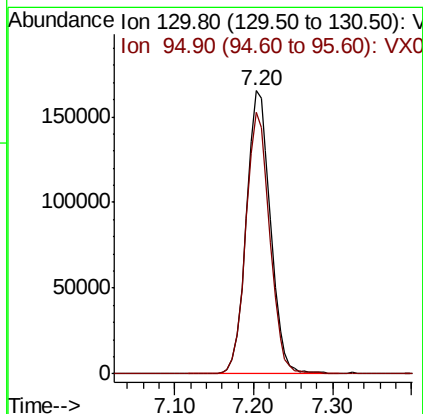
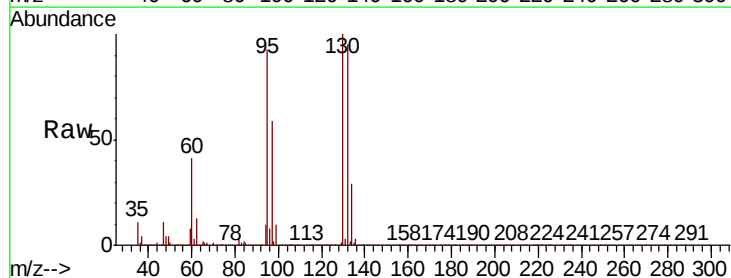
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.8	23.8
87	13.3	10.4	15.6

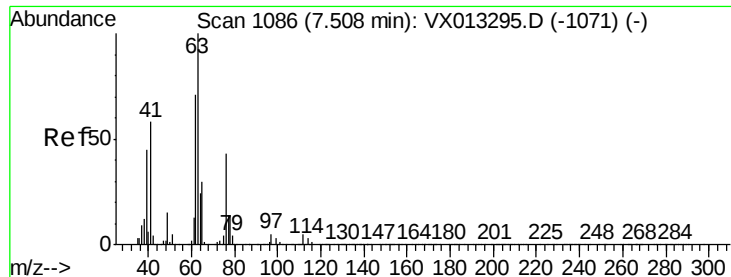


#44

Trichloroethene
 Concen: 49.368 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	184.8





#45

1,2-Dichloropropane

Concen: 52.356 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampled :

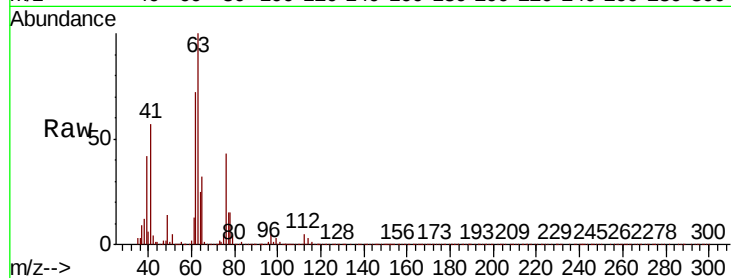
S36-0162MS

Tot Ion: 63 Resp: 343999

Ion Ratio Lower Upper

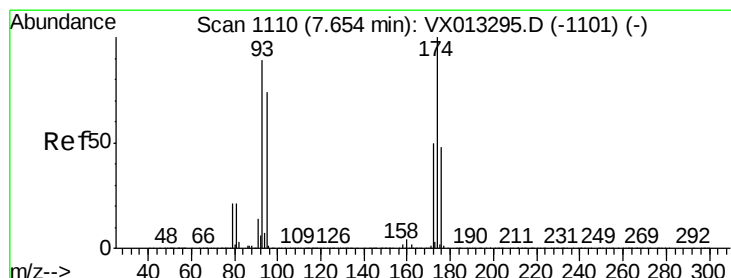
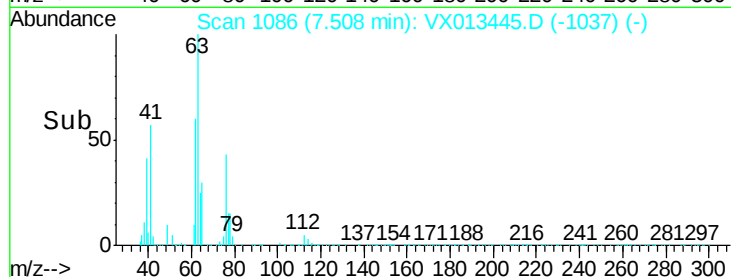
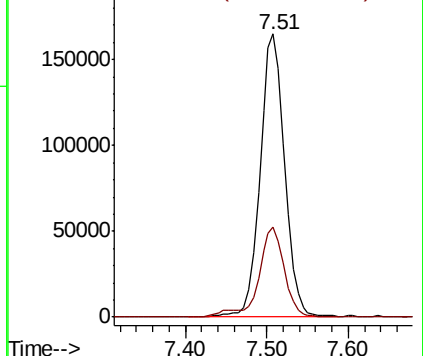
63 100

65 31.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.086 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

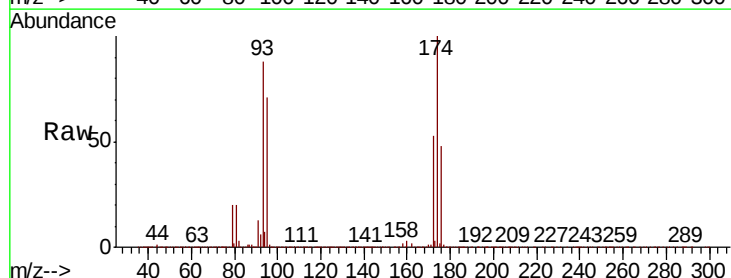
Tgt Ion: 93 Resp: 224691

Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.6

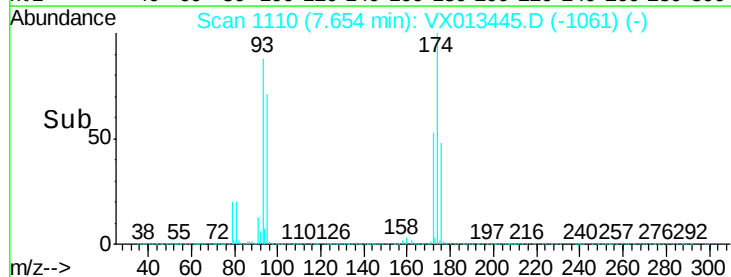
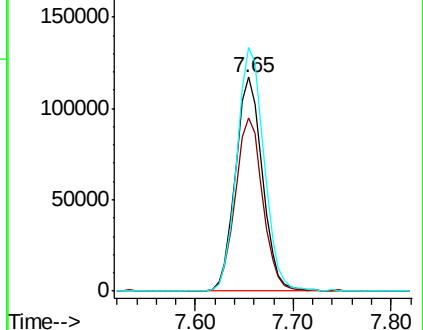
174 115.0 90.4 135.6

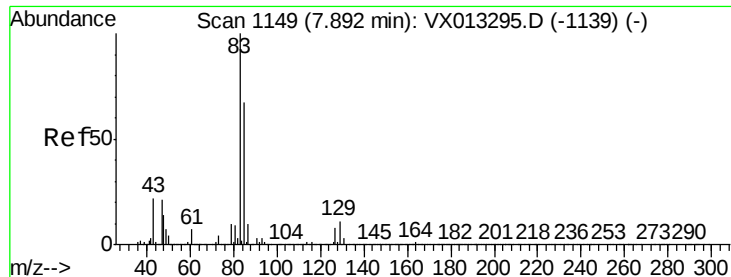


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.173 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

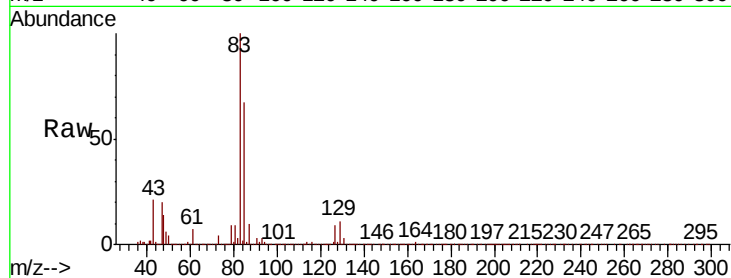
Tot Ion: 83 Resp: 441360

Ion Ratio Lower Upper

83 100

85 66.6 53.7 80.5

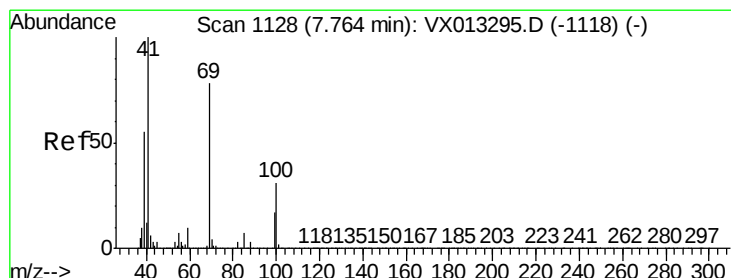
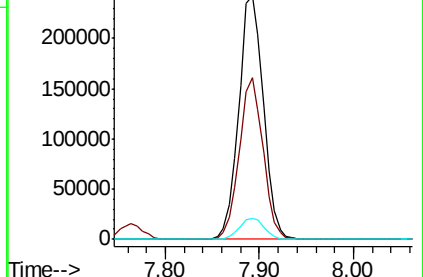
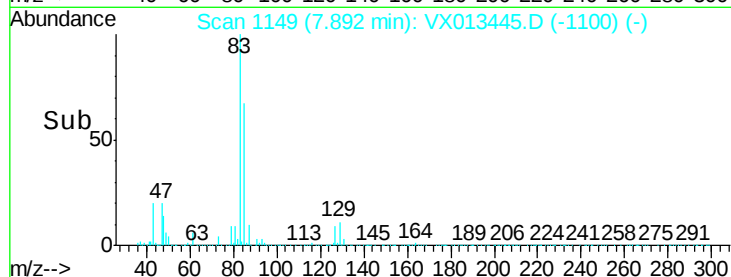
127 8.6 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.619 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

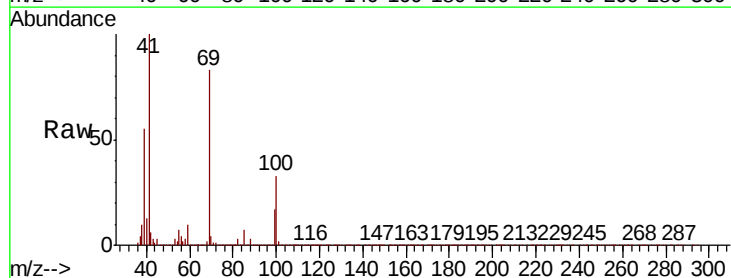
Tgt Ion: 41 Resp: 418394

Ion Ratio Lower Upper

41 100

69 81.2 63.0 94.6

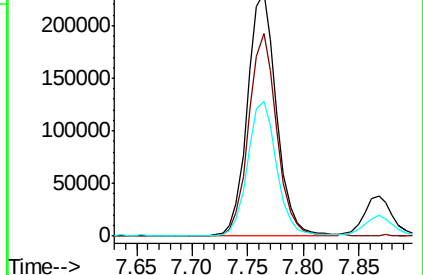
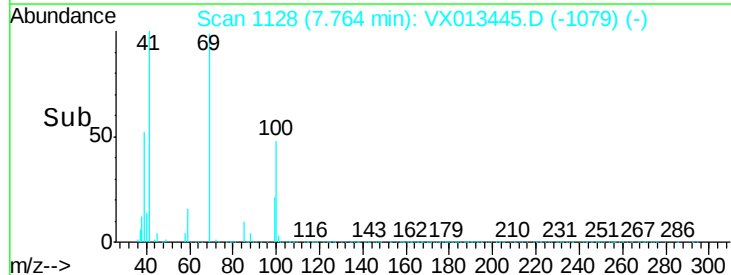
39 55.2 45.9 68.9

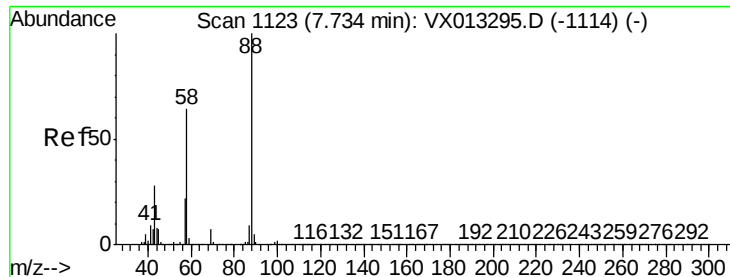


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 899.583 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

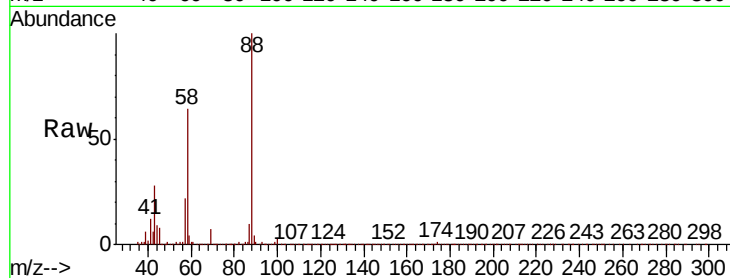
MSVOA_X

ClientSampled :

S36-0162MS

Tot Ion: 88 Resp: 163810

Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.6	39.8
58	70.2	55.0	82.6

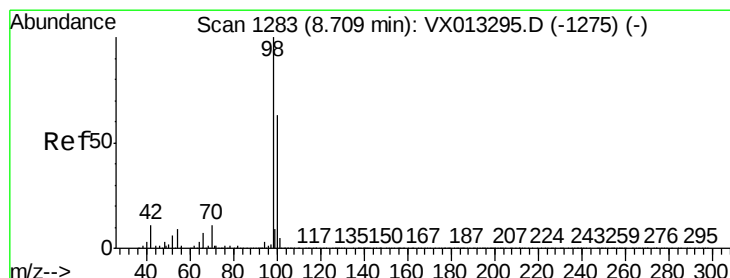
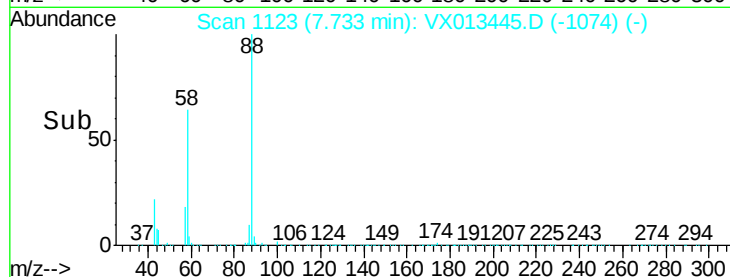
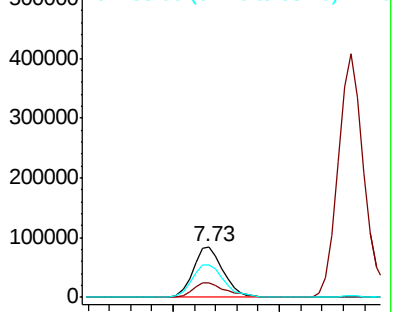


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.119 ug/l

RT: 8.71 min Scan# 1283

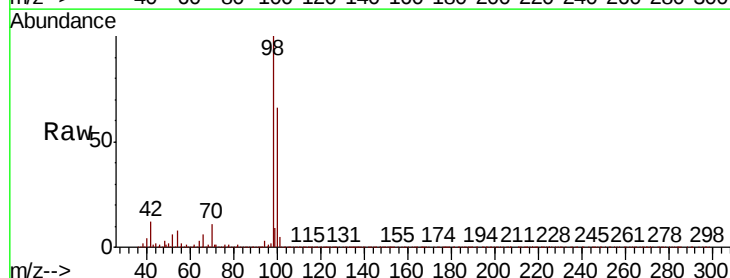
Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion: 98 Resp: 1120785

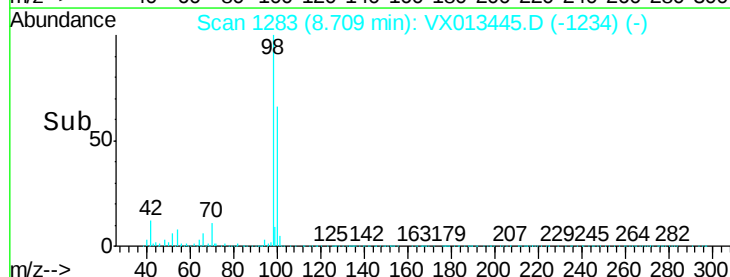
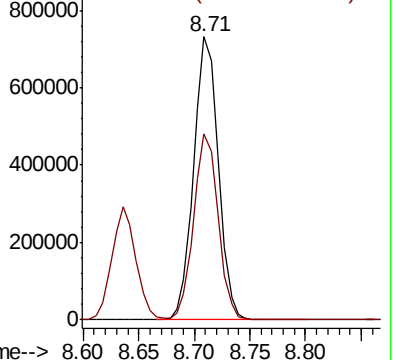
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2

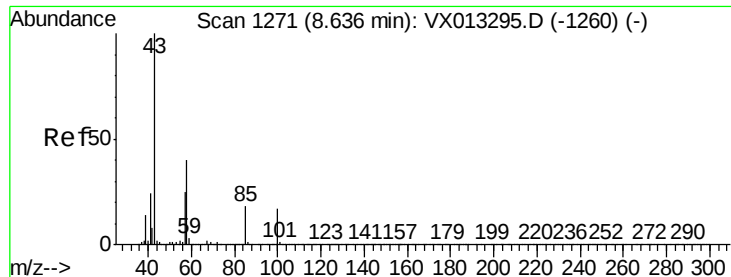


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 255.506 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

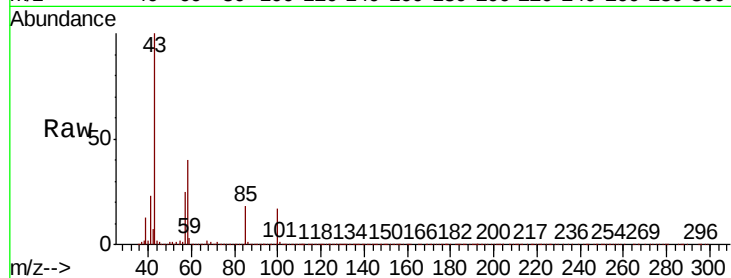
S36-0162MS

Tot Ion: 43 Resp: 2670243

Ion Ratio Lower Upper

43 100

58 39.8 31.4 47.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

1500000

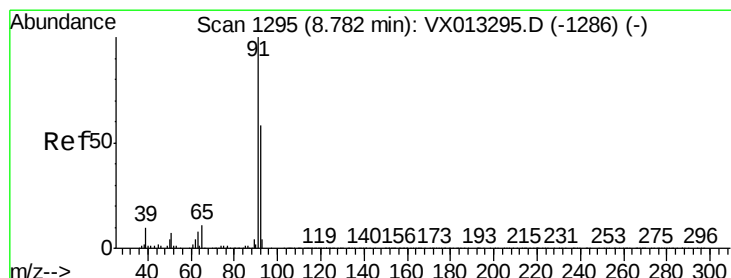
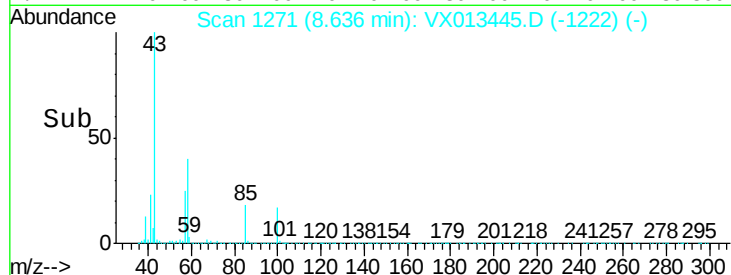
1000000

500000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 51.476 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013445.D

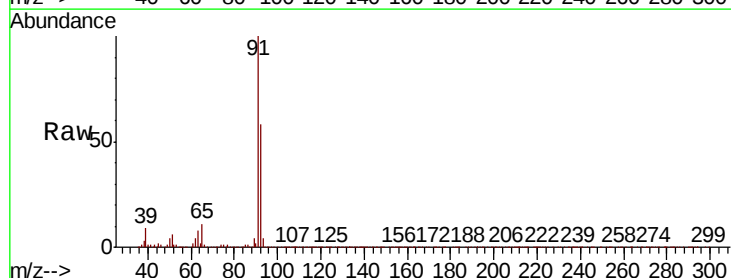
Acq: 15 Nov 2019 14:49

Tgt Ion: 92 Resp: 822729

Ion Ratio Lower Upper

92 100

91 170.0 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

1000000

800000

600000

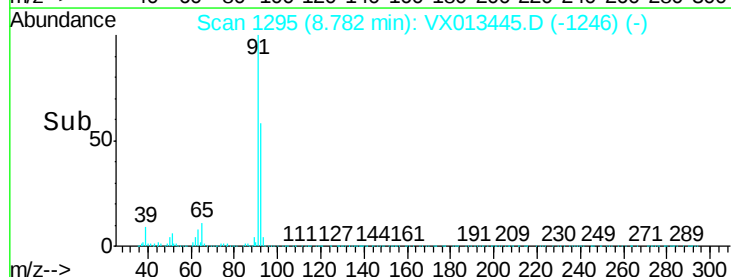
400000

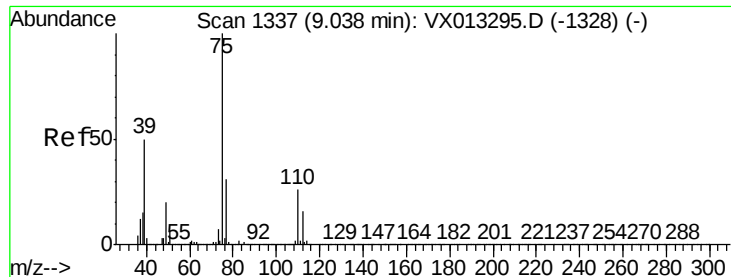
200000

0

8.70 8.80 8.90

Time-->

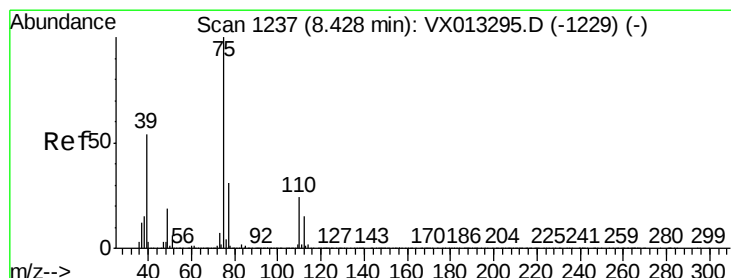
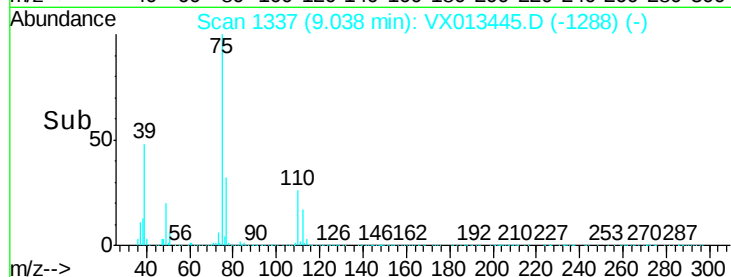
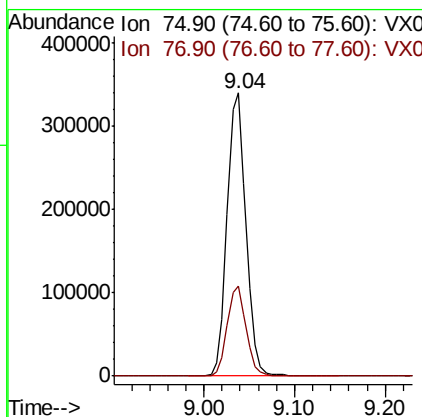
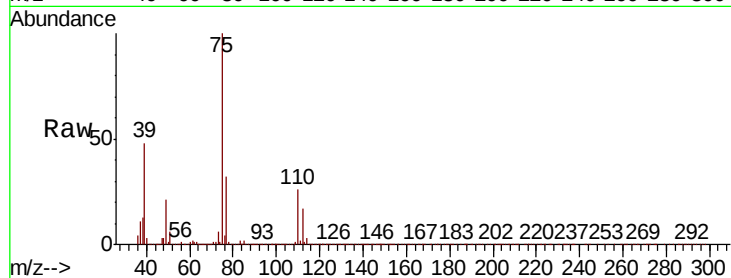




#53
t-1,3-Dichloropropene
Concen: 53.101 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

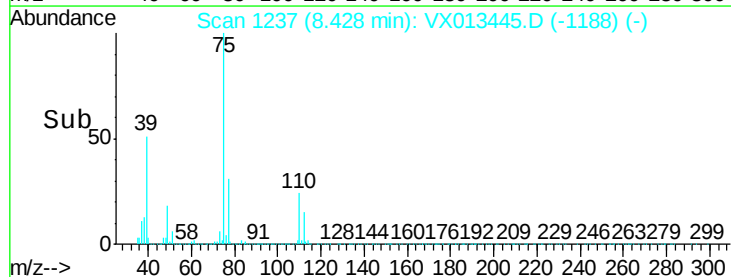
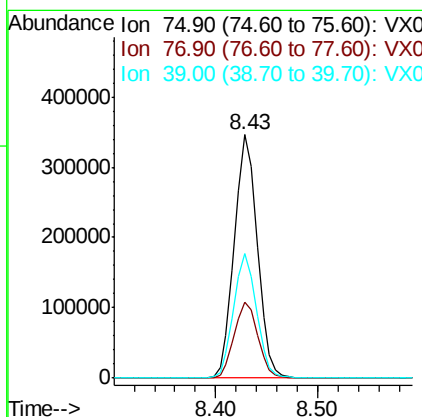
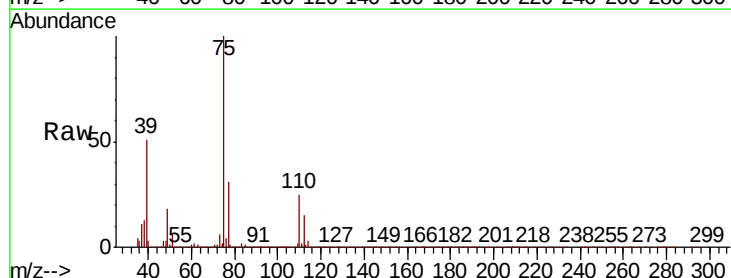
Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

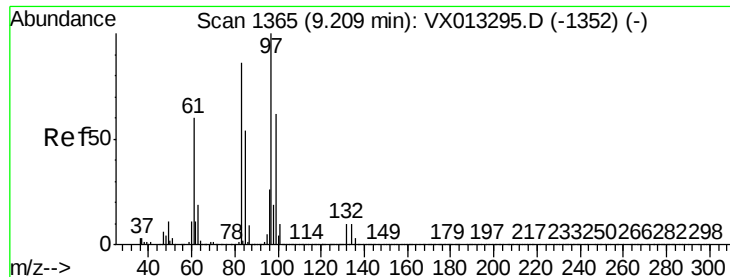
Tot Ion: 75 Resp: 491207
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 52.129 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion: 75 Resp: 539411
Ion Ratio Lower Upper
75 100
77 31.3 24.7 37.1
39 50.9 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 52.152 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

Tot Ion: 97 Resp: 345488

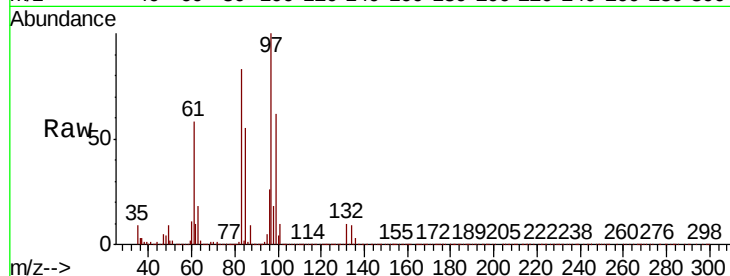
Ion Ratio Lower Upper

97 100

83 83.3 68.6 103.0

85 54.9 43.1 64.7

99 62.4 49.4 74.0

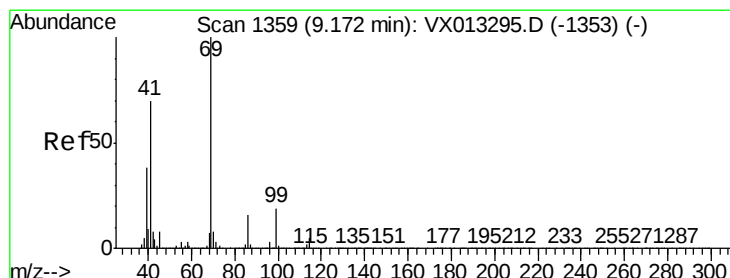
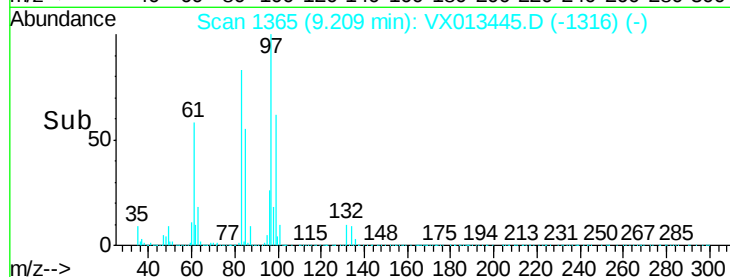
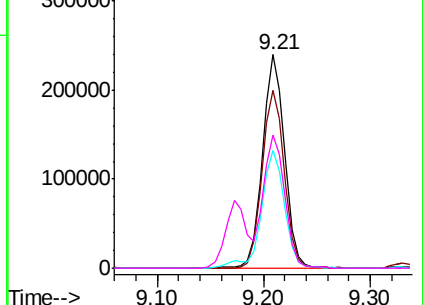


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 49.362 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

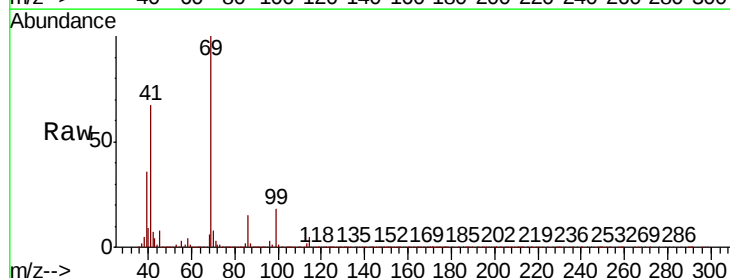
Tgt Ion: 69 Resp: 558035

Ion Ratio Lower Upper

69 100

41 67.7 56.2 84.2

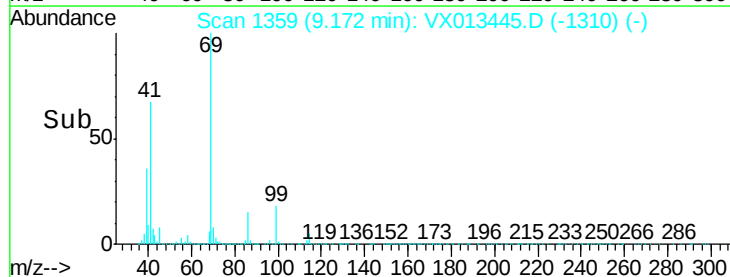
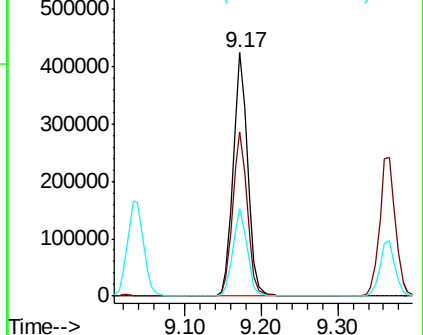
39 35.4 31.1 46.7

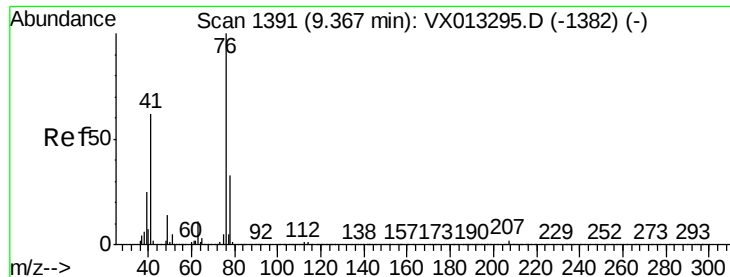


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.464 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

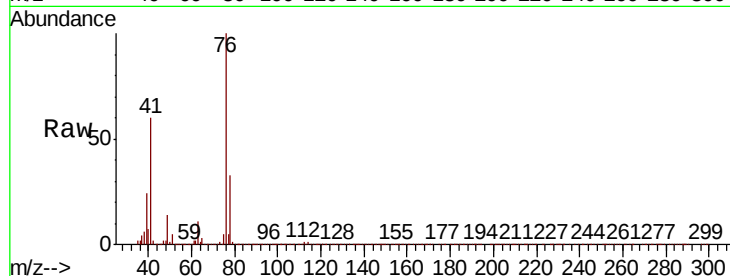
S36-0162MS

Tot Ion: 76 Resp: 578746

Ion Ratio Lower Upper

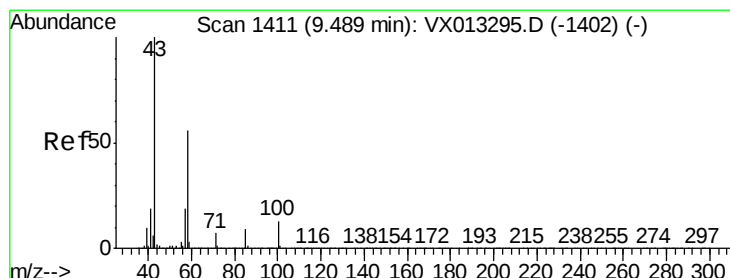
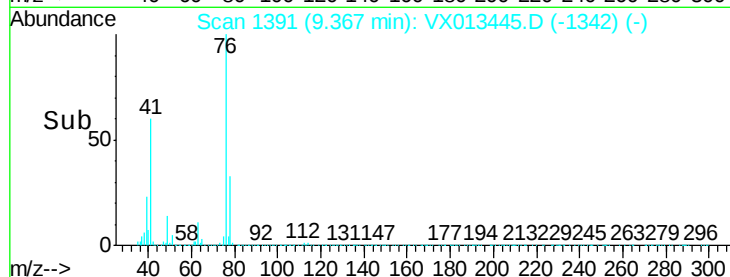
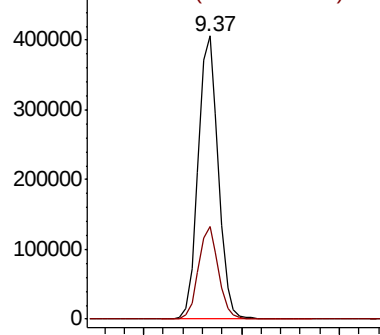
76 100

78 32.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 253.223 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX013445.D

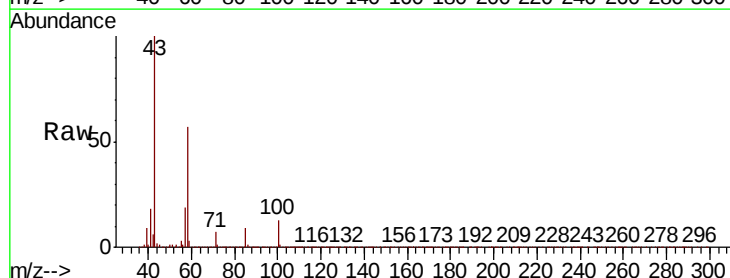
Acq: 15 Nov 2019 14:49

Tgt Ion: 43 Resp: 2045065

Ion Ratio Lower Upper

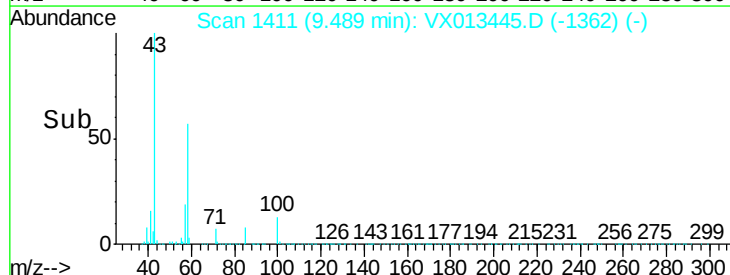
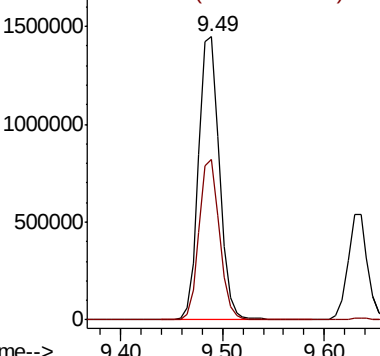
43 100

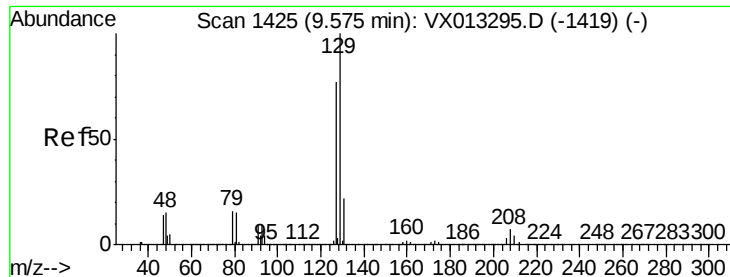
58 55.7 27.3 81.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 53.161 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

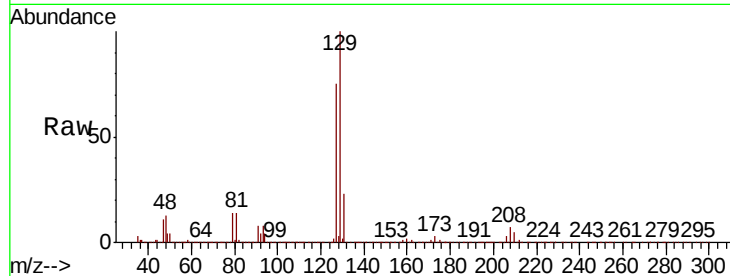
S36-0162MS

Tot Ion:129 Resp: 360176

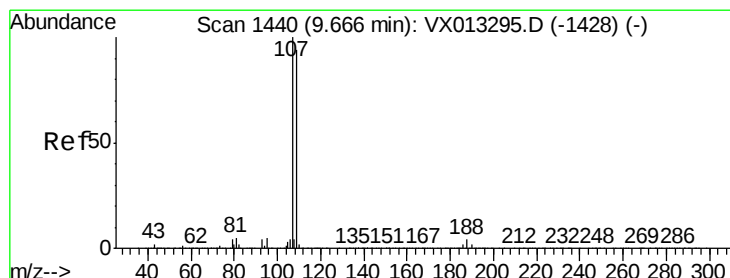
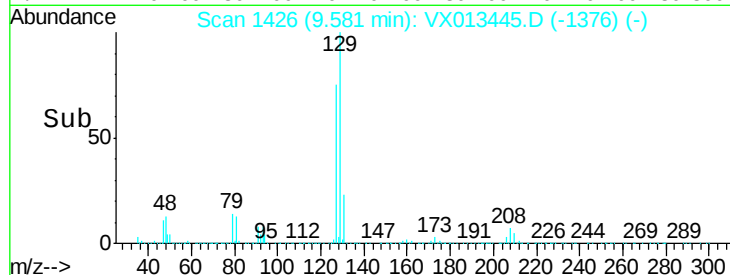
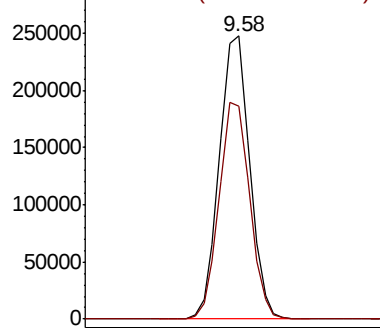
Ion Ratio Lower Upper

129 100

127 77.6 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V



#61

1,2-Dibromoethane

Concen: 51.591 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013445.D

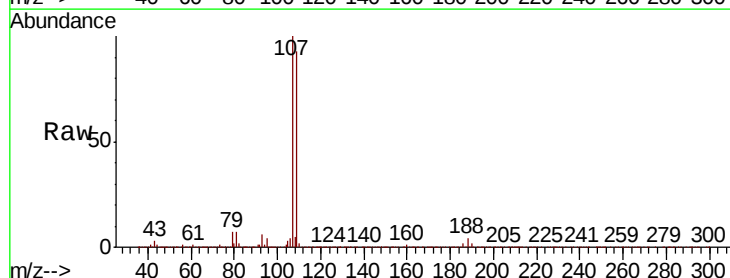
Acq: 15 Nov 2019 14:49

Tgt Ion:107 Resp: 362921

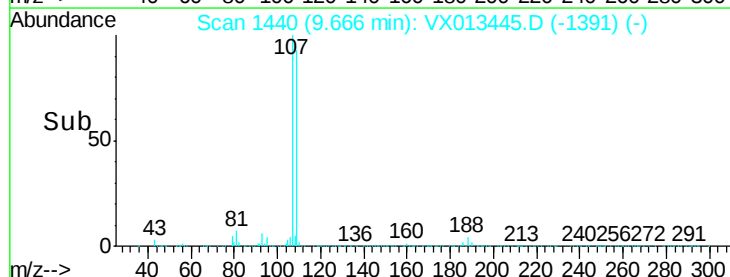
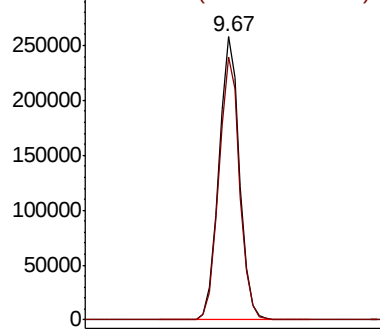
Ion Ratio Lower Upper

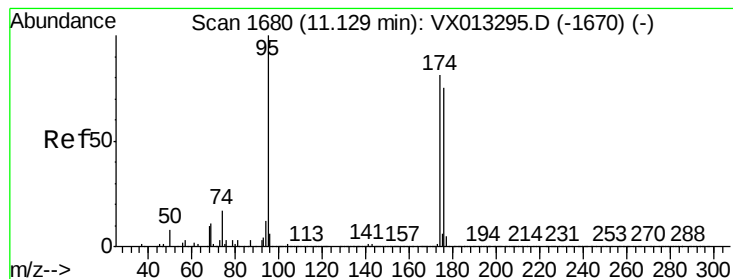
107 100

109 93.3 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V





#62

4-Bromofluorobenzene

Concen: 47.689 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

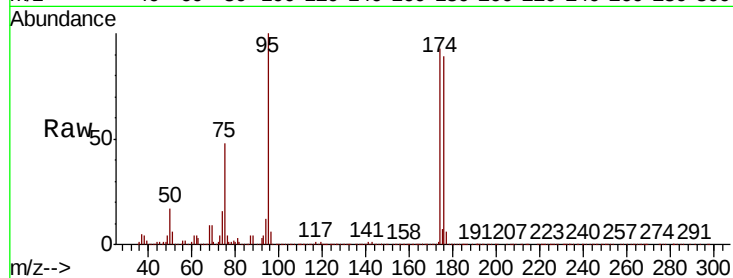
Tot Ion: 95 Resp: 392720

Ion Ratio Lower Upper

95 100

174 90.0 0.0 179.8

176 86.9 0.0 173.0



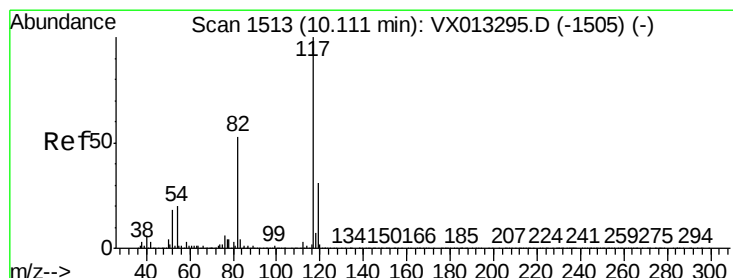
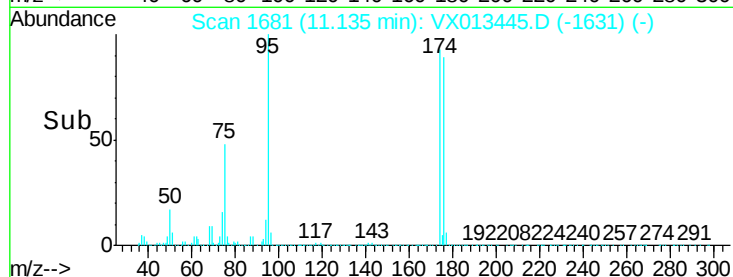
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time--> 11.05 11.10 11.15 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

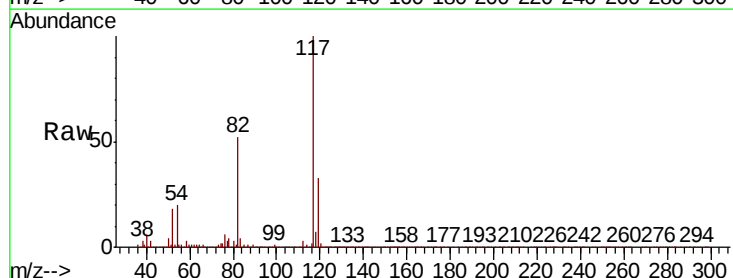
Tgt Ion: 117 Resp: 869589

Ion Ratio Lower Upper

117 100

82 51.9 42.6 64.0

119 33.1 24.8 37.2



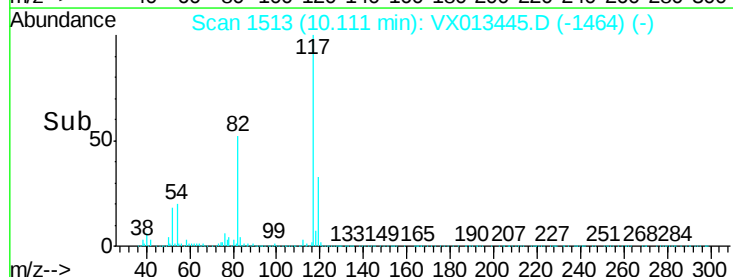
Abundance Ion 116.90 (116.60 to 117.60): V

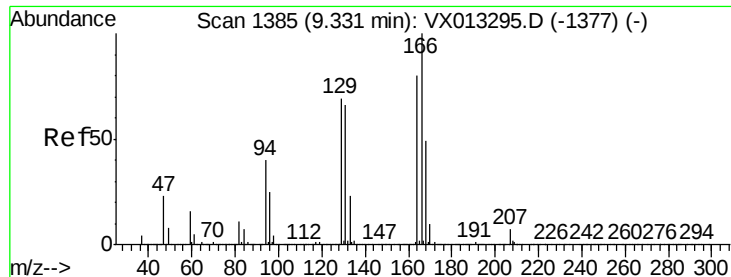
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

10.11

Time--> 10.00 10.10 10.20

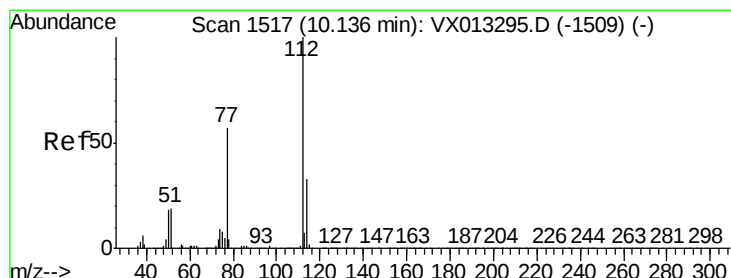
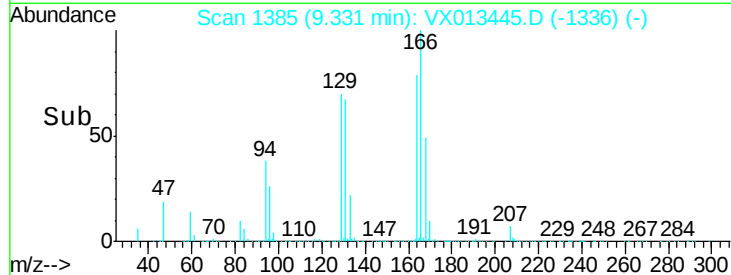
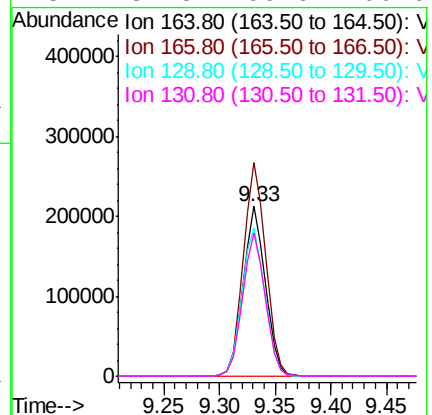
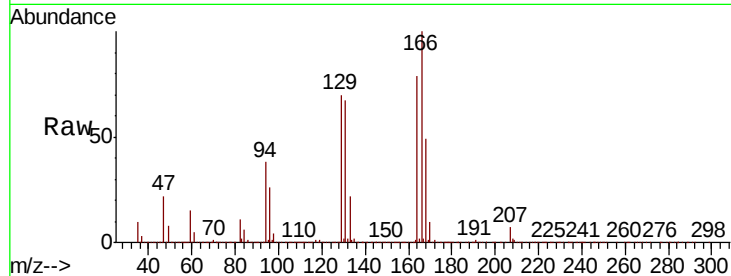




#64
Tetrachloroethene
Concen: 47.211 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

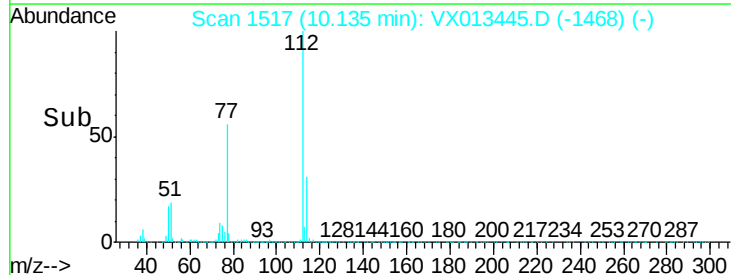
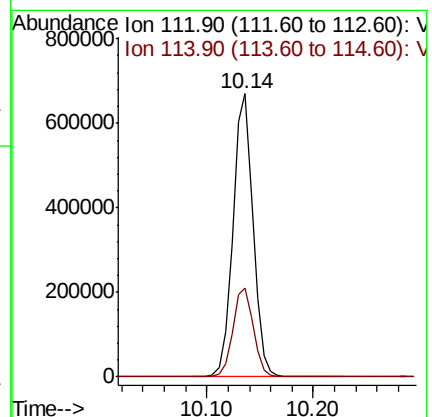
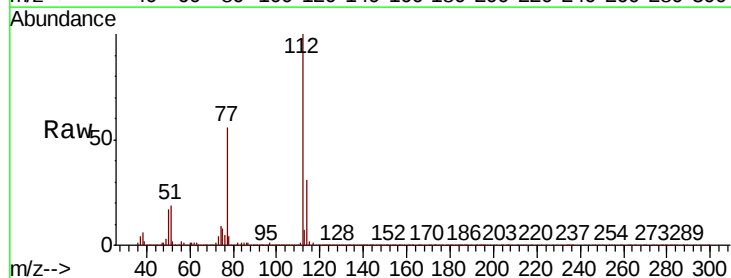
Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

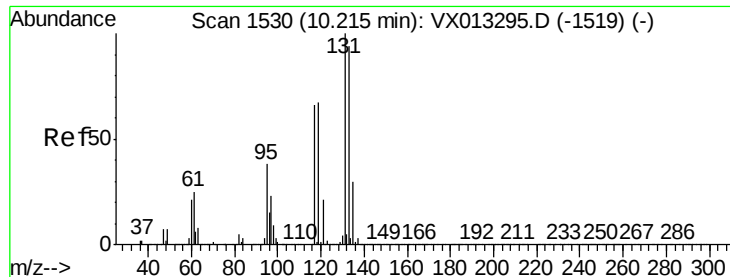
Tot Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.4	150.6
129	87.4	69.4	104.2
131	84.3	66.6	100.0



#65
Chlorobenzene
Concen: 50.260 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.4	39.6

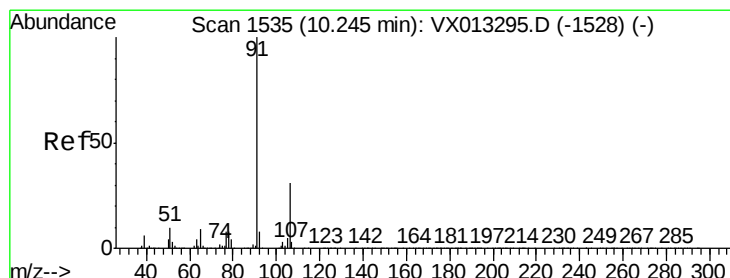
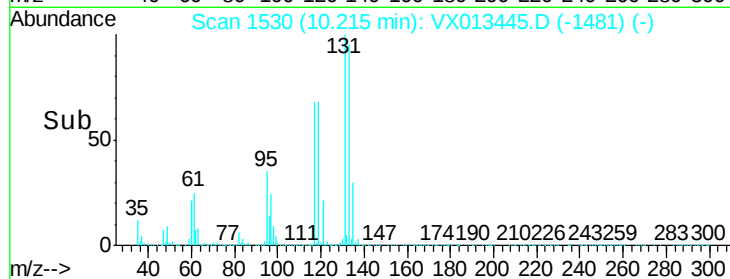
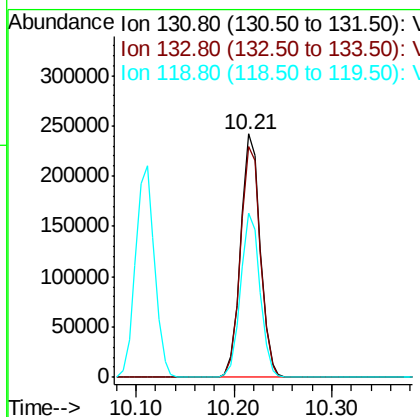
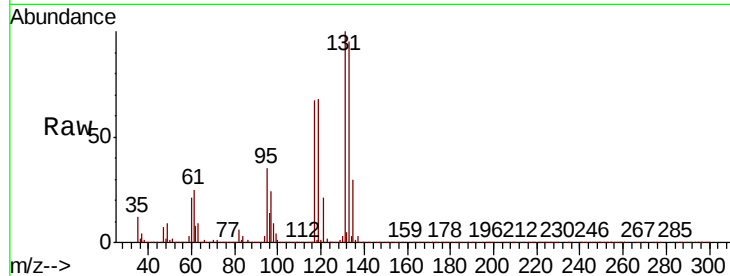




#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.006 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

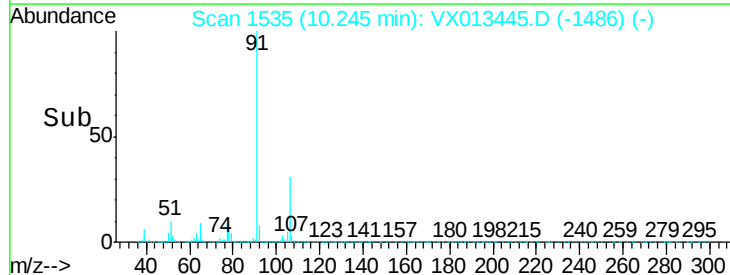
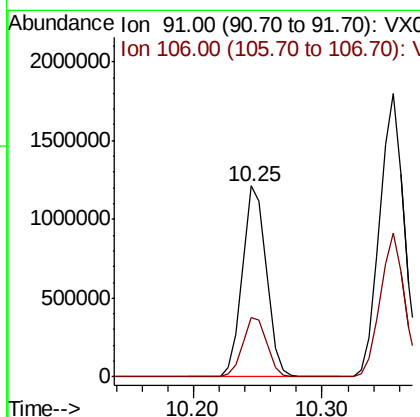
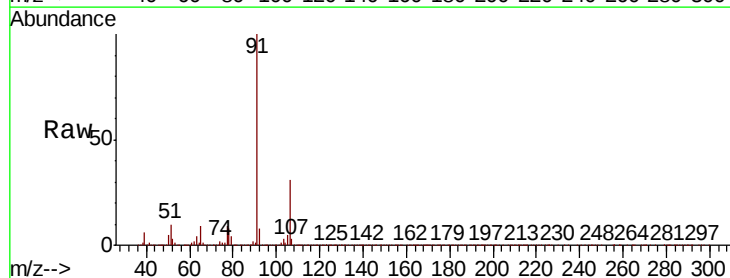
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MS

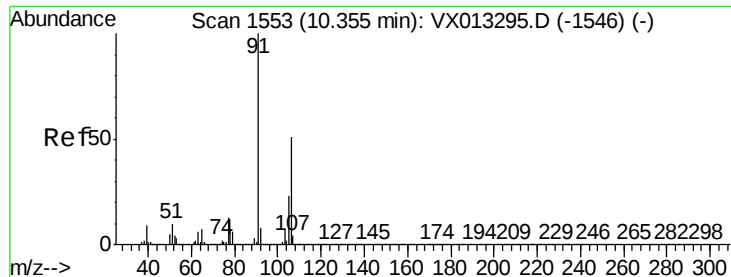
Tot Ion:131 Resp: 336174
 Ion Ratio Lower Upper
 131 100
 133 96.2 48.0 144.0
 119 66.4 33.0 99.0



#67
 Ethyl Benzene
 Concen: 51.203 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Tgt Ion: 91 Resp: 1555800
 Ion Ratio Lower Upper
 91 100
 106 31.0 24.6 36.8





#68

m/p-Xylenes

Concen: 103.096 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

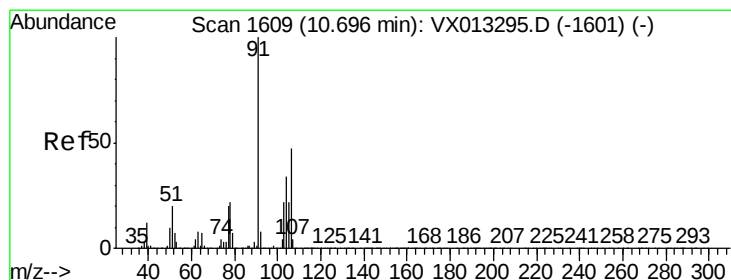
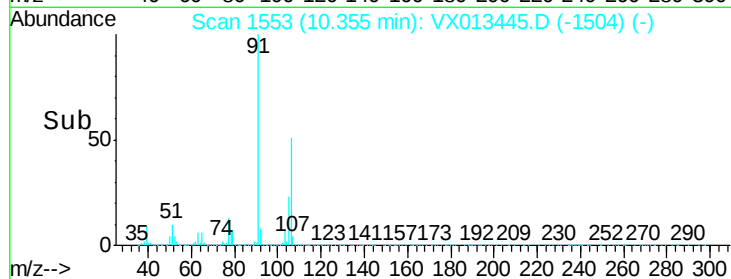
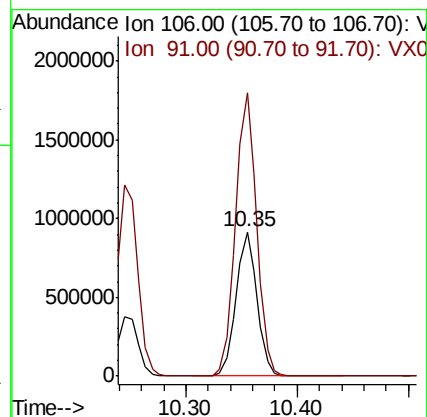
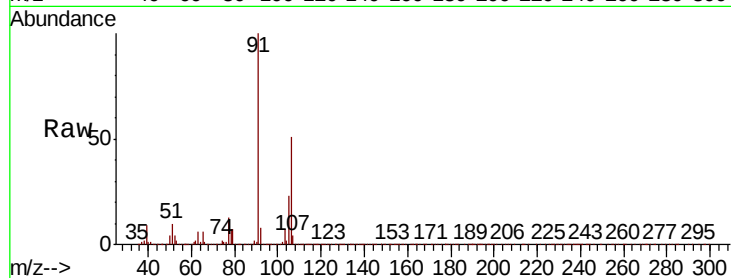
S36-0162MS

Tot Ion:106 Resp: 1184704

Ion Ratio Lower Upper

106 100

91 198.6 159.3 238.9



#69

o-Xylene

Concen: 51.322 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013445.D

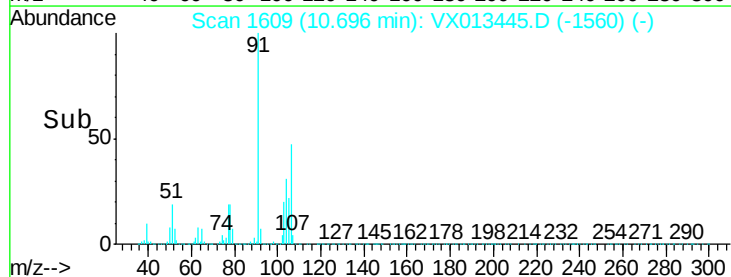
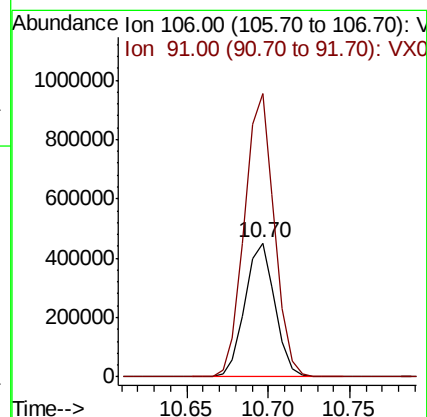
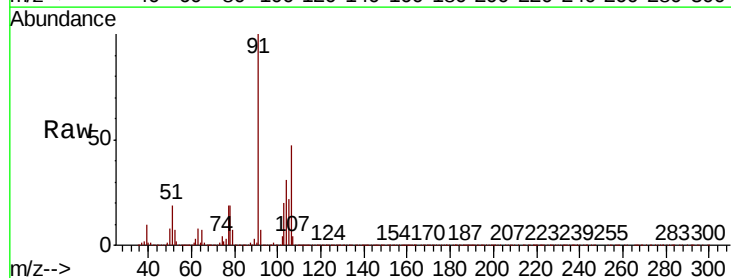
Acq: 15 Nov 2019 14:49

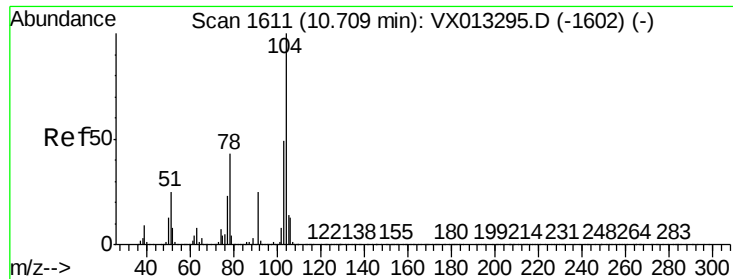
Tgt Ion:106 Resp: 577391

Ion Ratio Lower Upper

106 100

91 210.4 105.7 317.0

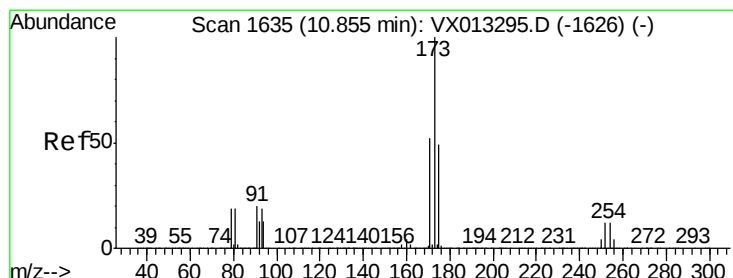
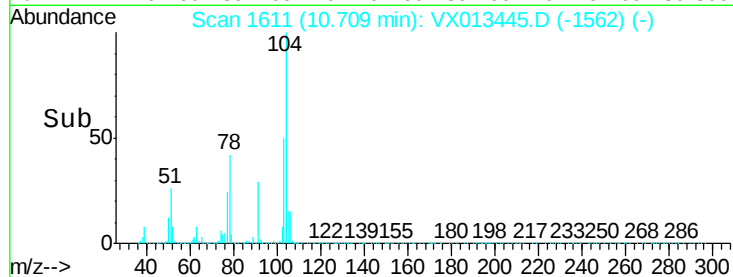
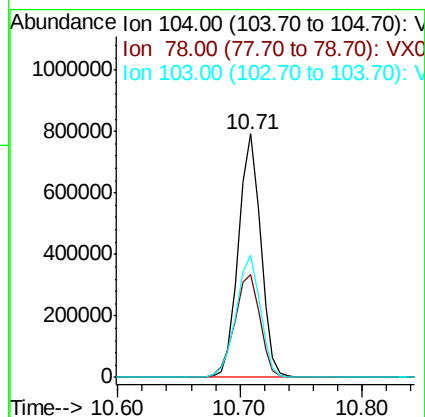
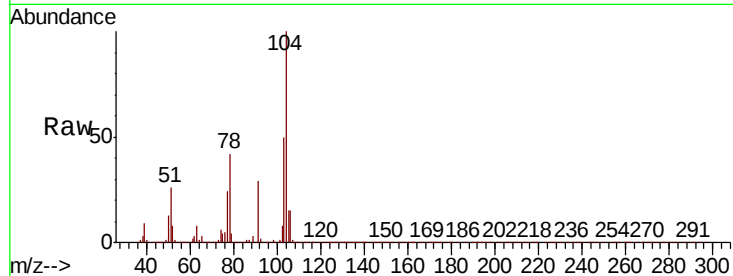




#70
Stvrene
Concen: 52.756 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

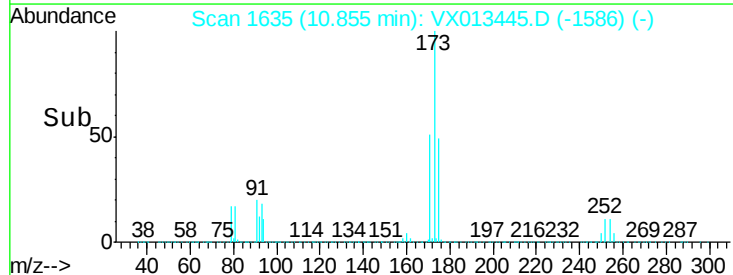
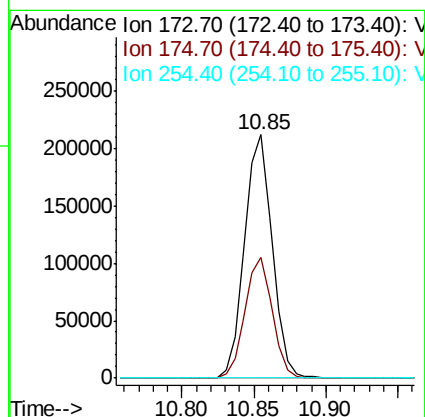
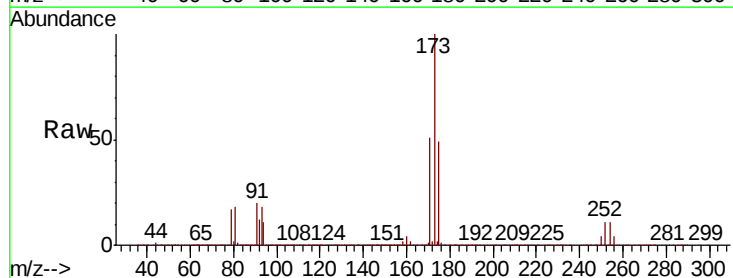
Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

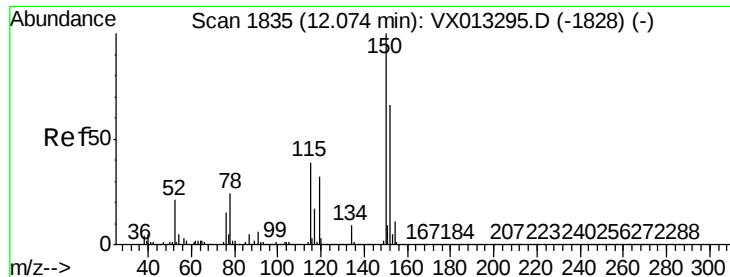
Tot Ion:104 Resp: 992143
Ion Ratio Lower Upper
104 100
78 48.5 40.0 60.0
103 54.8 44.1 66.1



#71
Bromoform
Concen: 47.149 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion:173 Resp: 281419
Ion Ratio Lower Upper
173 100
175 49.1 24.8 74.4
254 0.2 0.2 0.2#



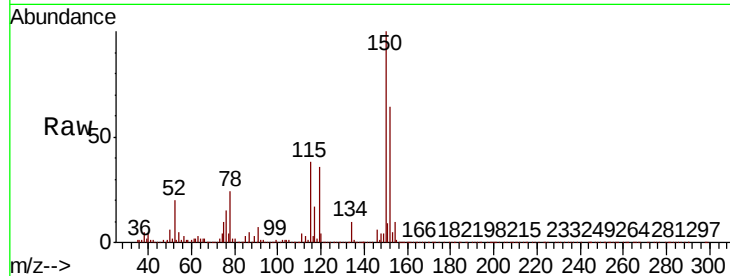


#72

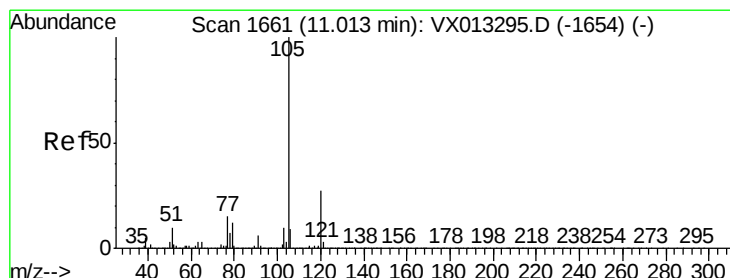
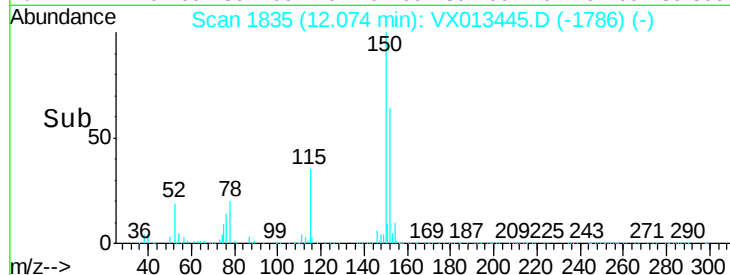
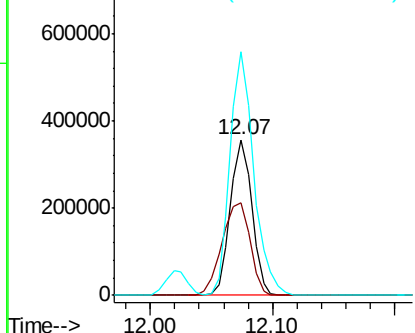
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	77.9	39.5	118.3
150	172.1	0.0	344.4



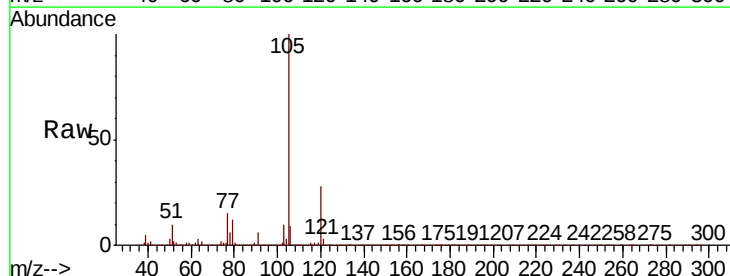
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



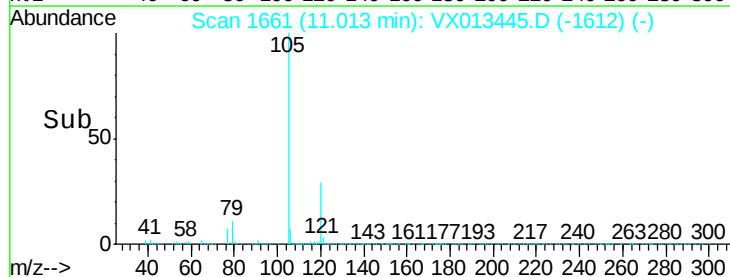
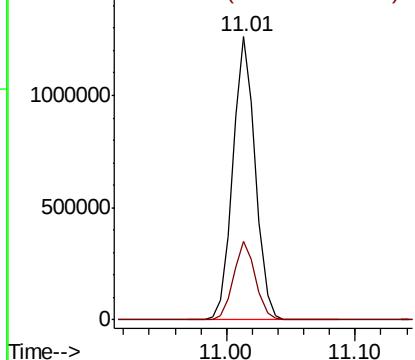
#73

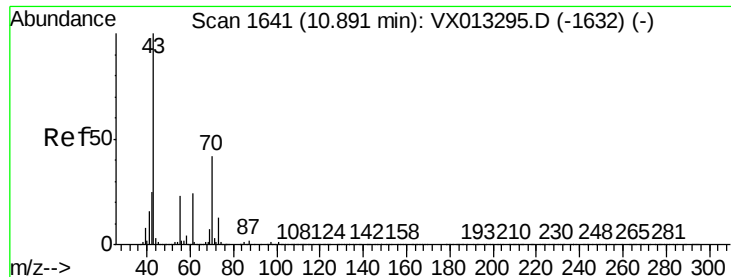
Isopropylbenzene
Concen: 53.320 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 54.446 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

Tot Ion: 43 Resp: 726011

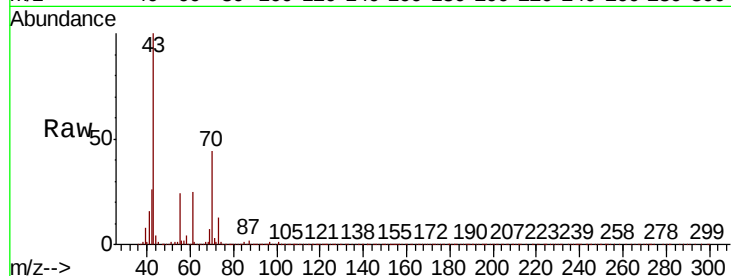
Ion Ratio Lower Upper

43 100

70 43.8 34.1 51.1

55 24.4 18.9 28.3

61 24.9 19.2 28.8

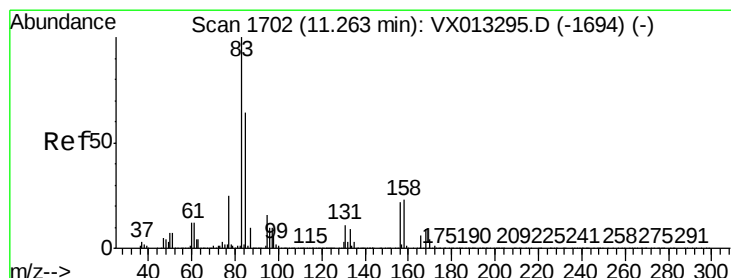
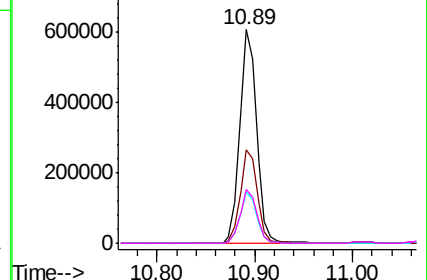
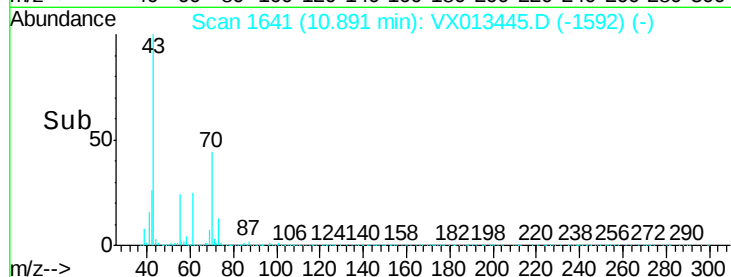


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 53.750 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

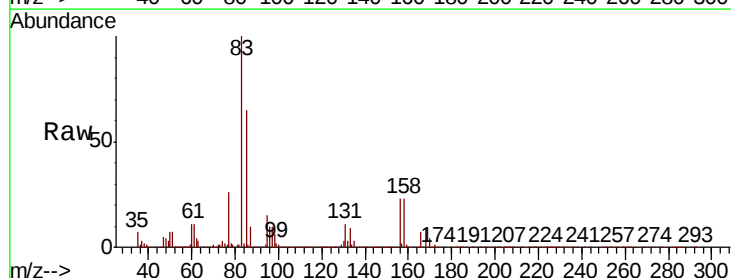
Tgt Ion: 83 Resp: 563861

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

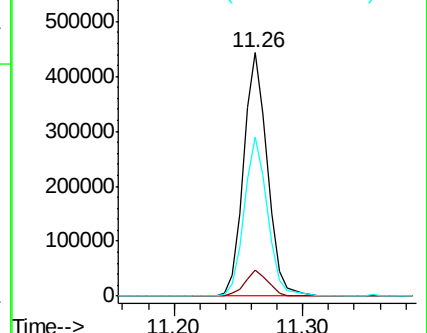
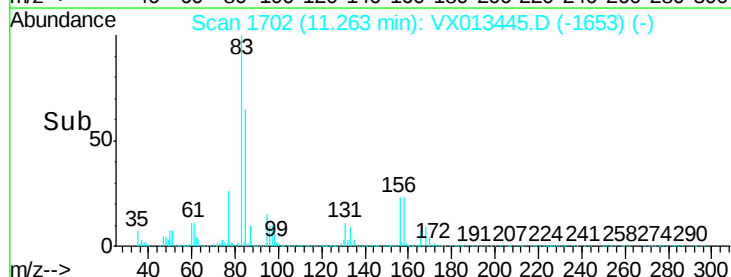
85 64.3 32.3 96.8

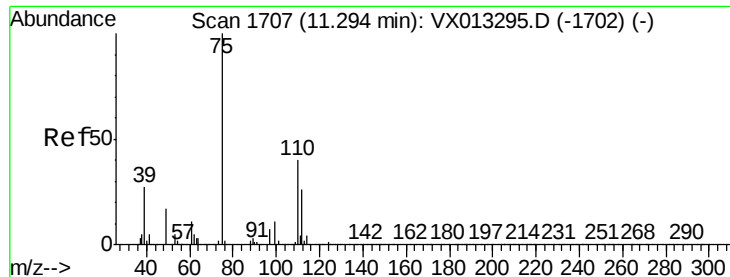


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 71.735 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

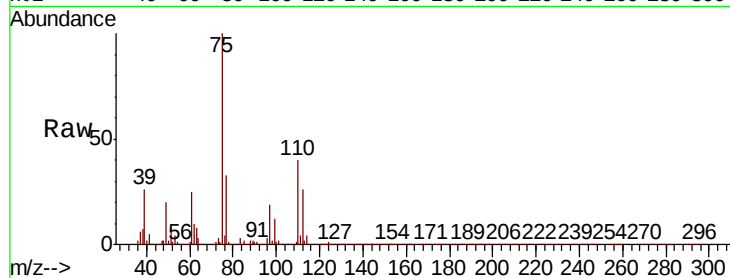
S36-0162MS

Tot Ion: 75 Resp: 631926

Ion Ratio Lower Upper

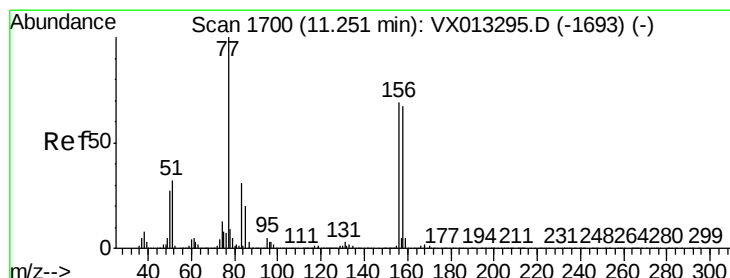
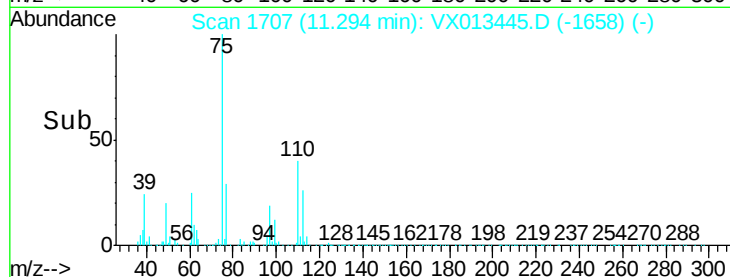
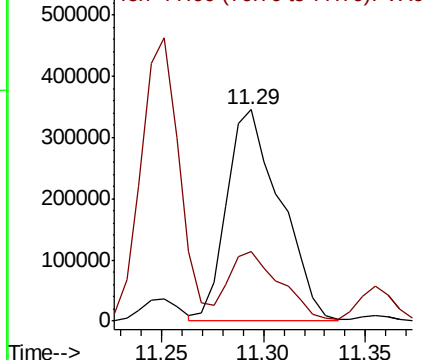
75 100

77 31.2 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 52.160 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

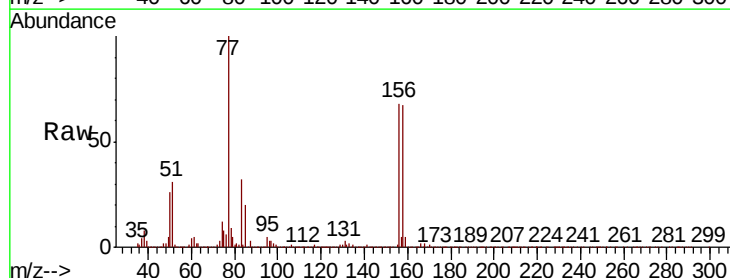
Tgt Ion: 156 Resp: 399852

Ion Ratio Lower Upper

156 100

77 151.3 75.8 227.4

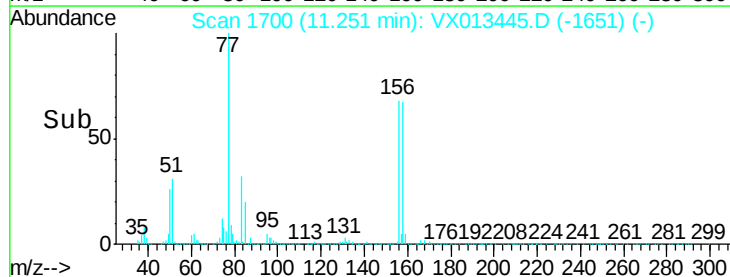
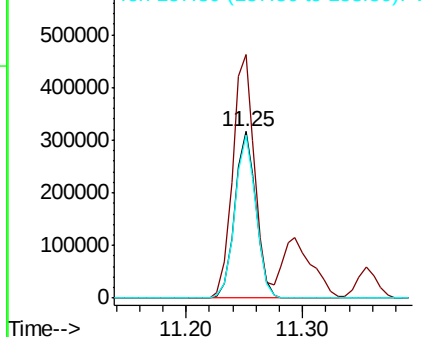
158 97.2 47.6 142.8

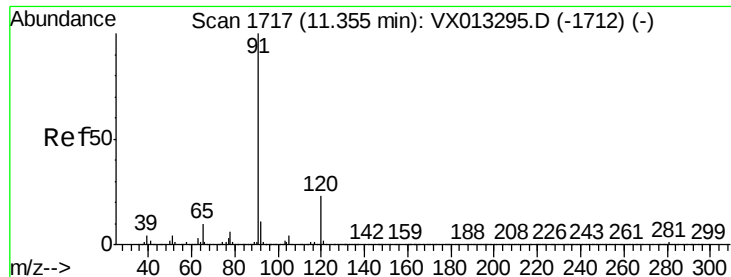


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 53.876 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

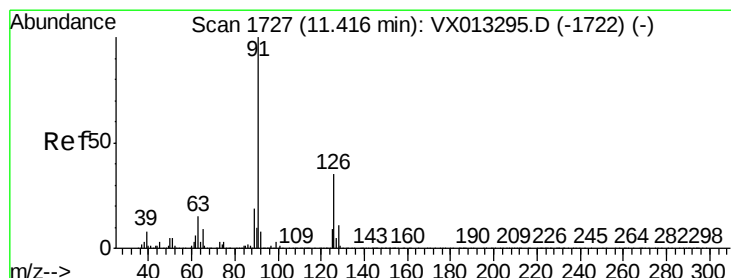
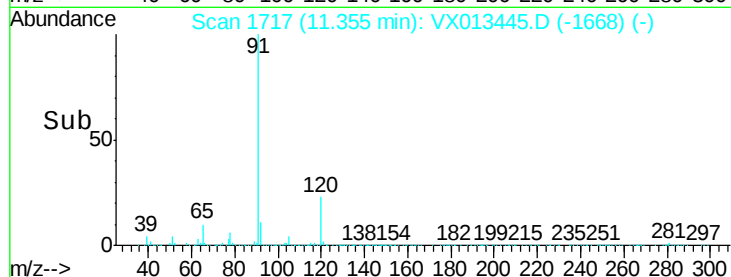
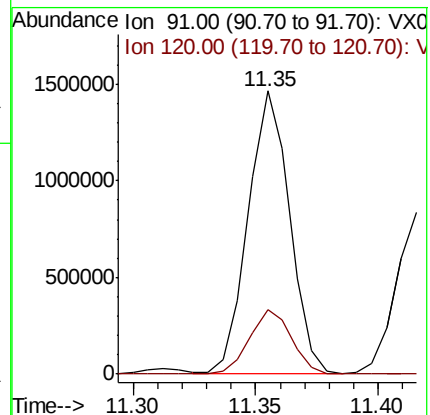
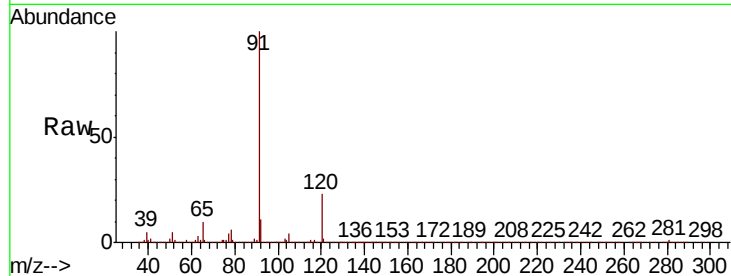
S36-0162MS

Tot Ion: 91 Resp: 1725744

Ion Ratio Lower Upper

91 100

120 23.3 11.6 34.8



#79

2-Chlorotoluene

Concen: 52.607 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013445.D

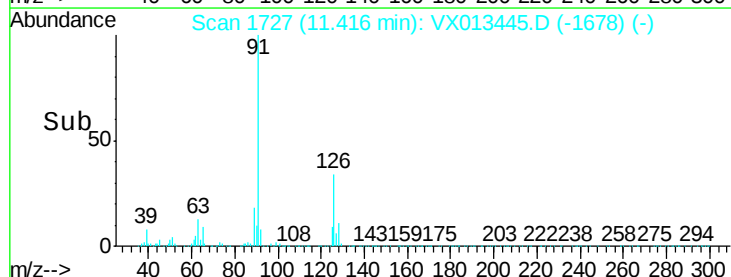
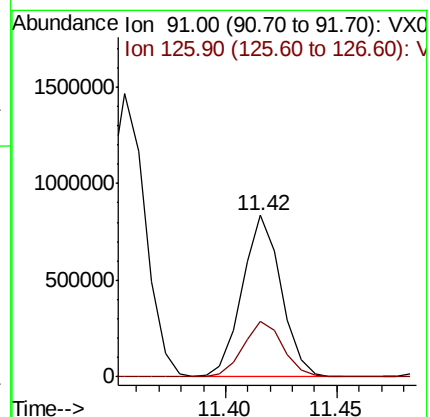
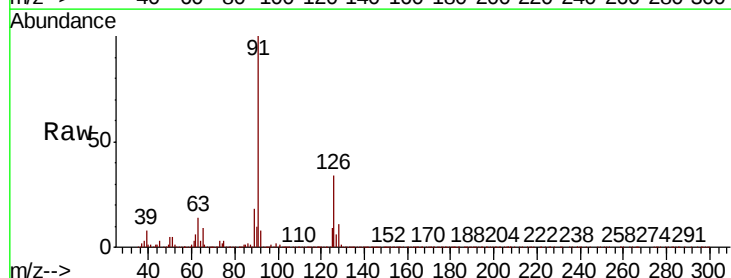
Acq: 15 Nov 2019 14:49

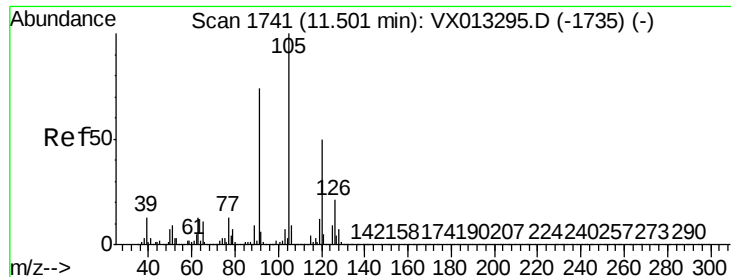
Tgt Ion: 91 Resp: 1015270

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0

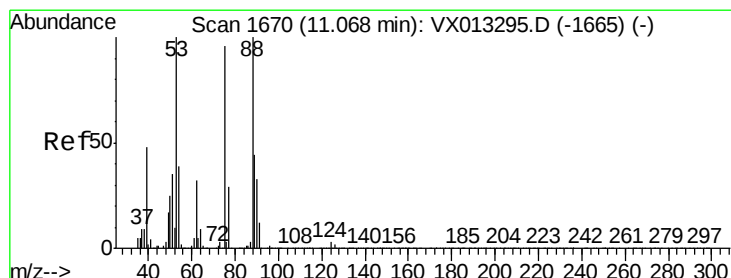
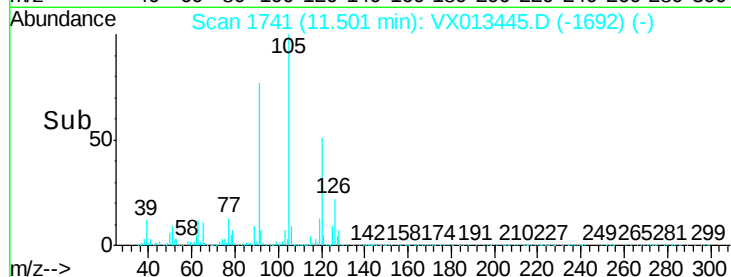
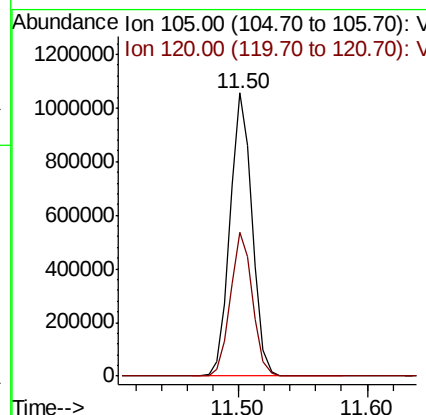
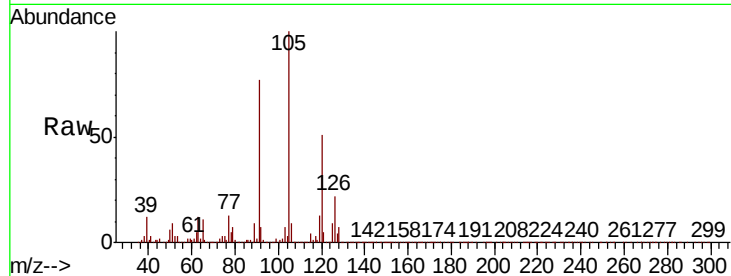




#80
 1,3,5-Trimethylbenzene
 Concen: 53.294 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

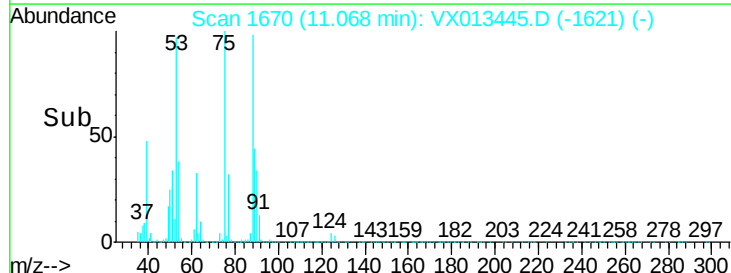
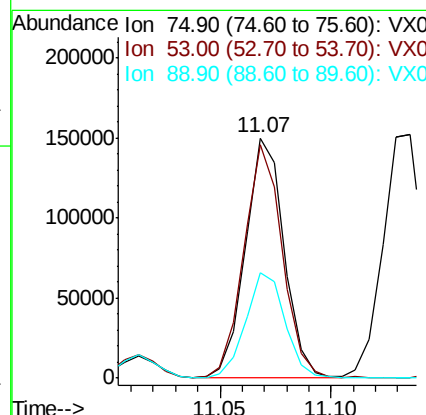
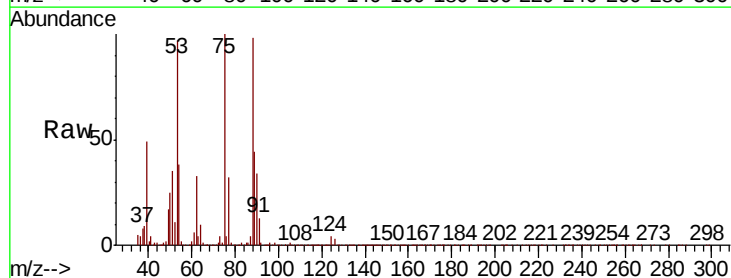
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MS

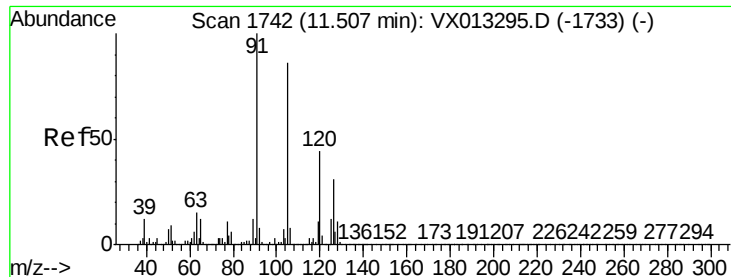
Tot Ion:105 Resp: 1276477
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.871 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Tgt Ion: 75 Resp: 180945
 Ion Ratio Lower Upper
 75 100
 53 96.8 81.0 121.6
 89 45.2 36.0 54.0

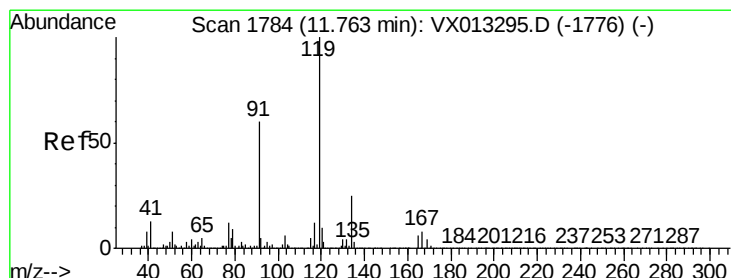
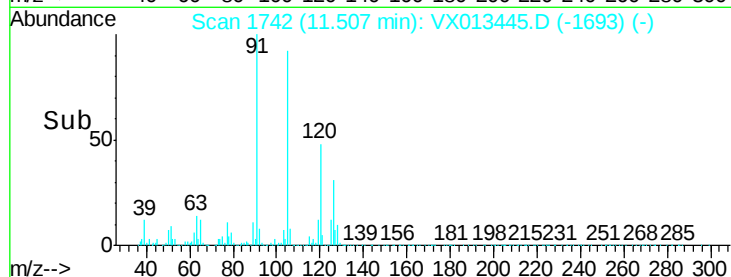
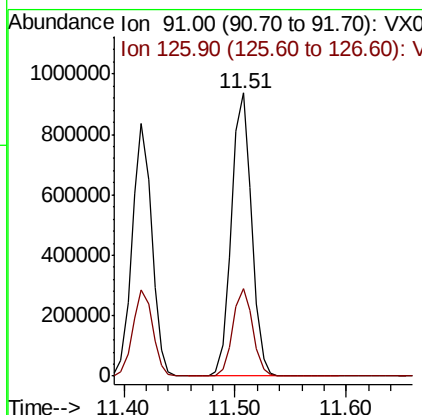
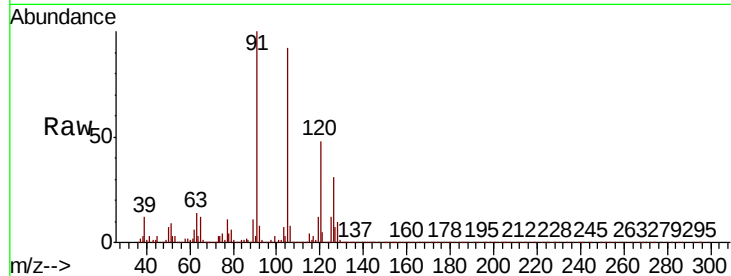




#82
4-Chlorotoluene
Concen: 51.824 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

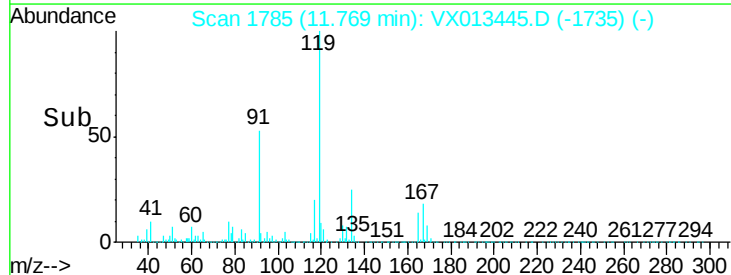
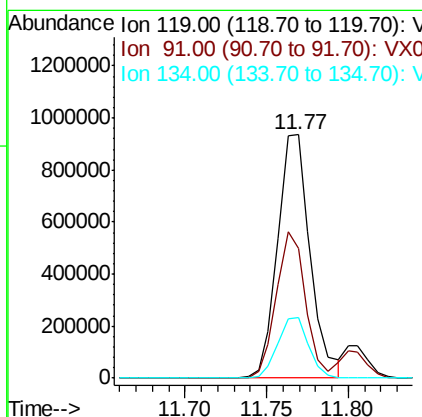
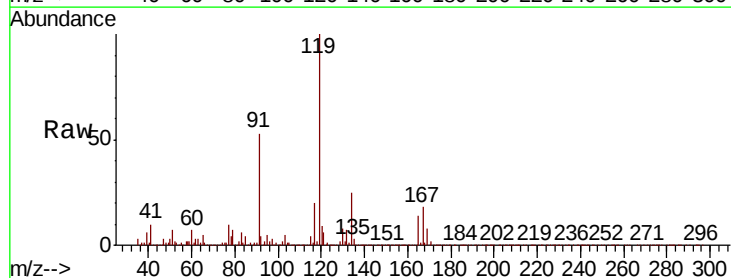
Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

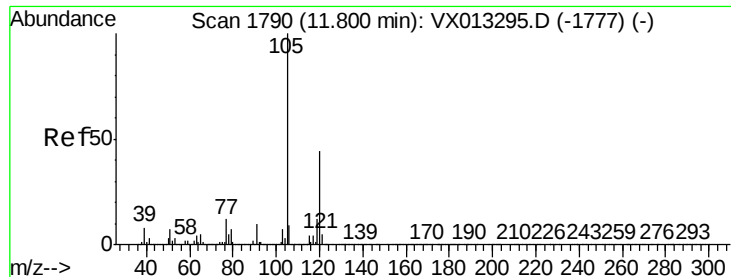
Tot Ion: 91 Resp: 1170780
Ion Ratio Lower Upper
91 100
126 30.6 15.3 45.8



#83
tert-Butylbenzene
Concen: 54.123 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion: 119 Resp: 1304958
Ion Ratio Lower Upper
119 100
91 53.8 26.9 80.7
134 23.7 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 52.978 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

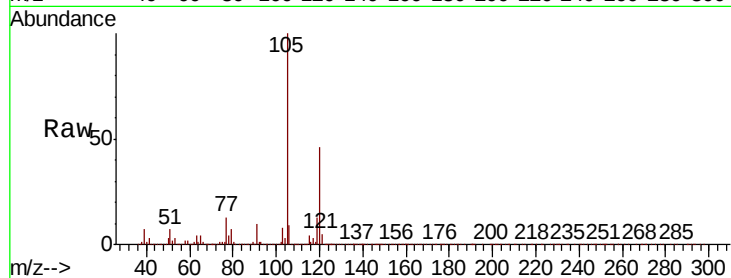
S36-0162MS

Tot Ion:105 Resp: 1272894

Ion Ratio Lower Upper

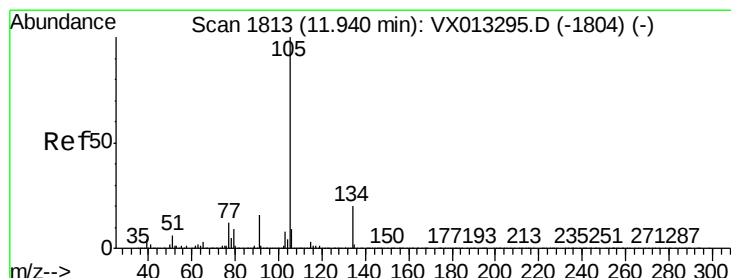
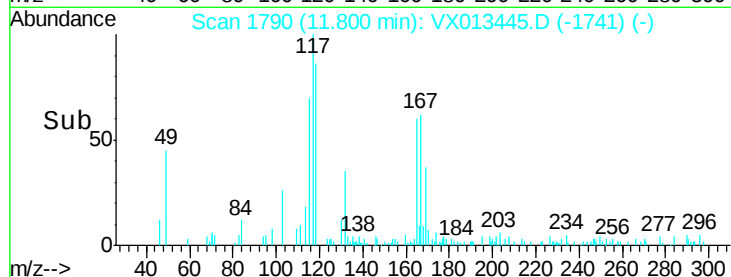
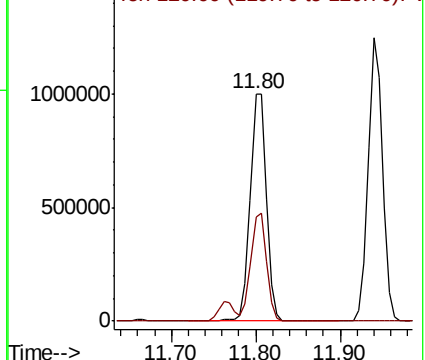
105 100

120 46.1 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 53.316 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013445.D

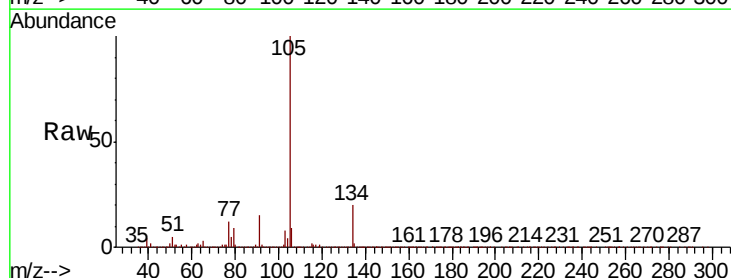
Acq: 15 Nov 2019 14:49

Tgt Ion:105 Resp: 1477415

Ion Ratio Lower Upper

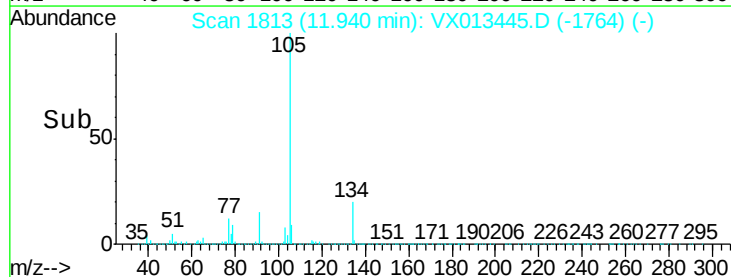
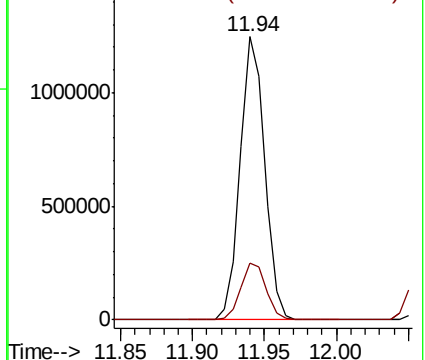
105 100

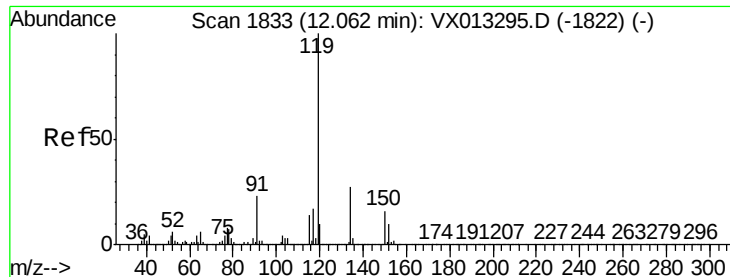
134 20.8 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 53.406 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampled :

S36-0162MS

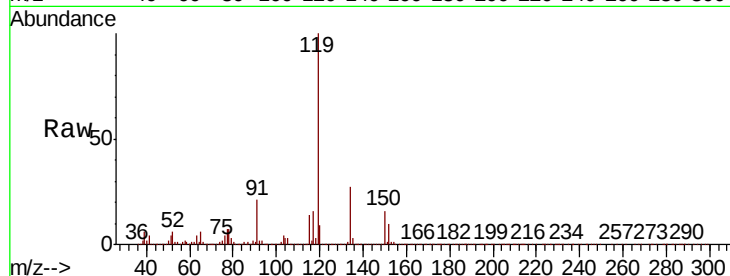
Tot Ion:119 Resp: 1362735

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

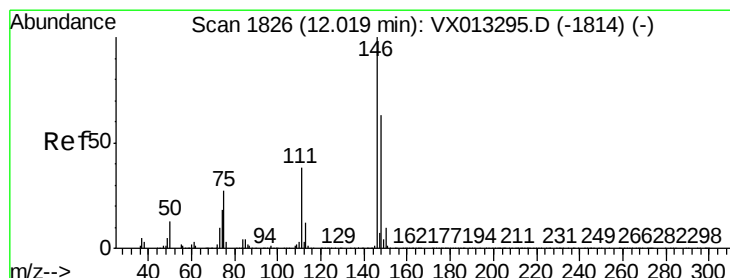
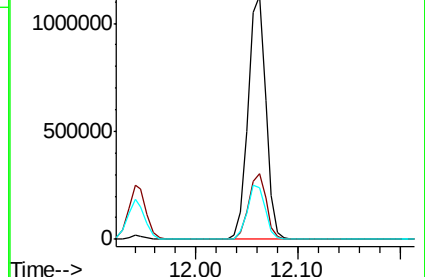
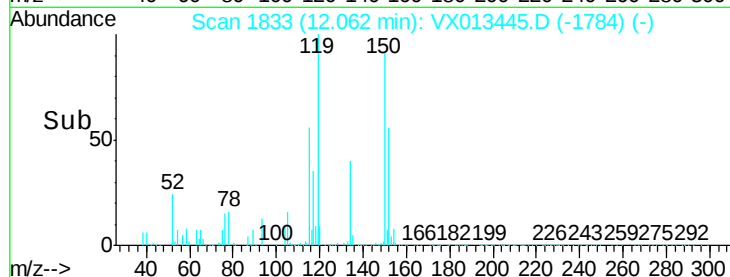
91 22.3 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 50.931 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

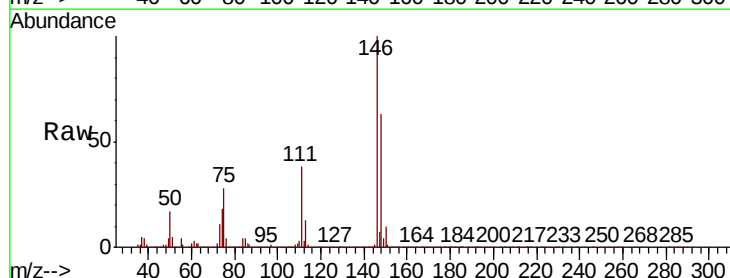
Tgt Ion:146 Resp: 695945

Ion Ratio Lower Upper

146 100

111 37.9 18.9 56.5

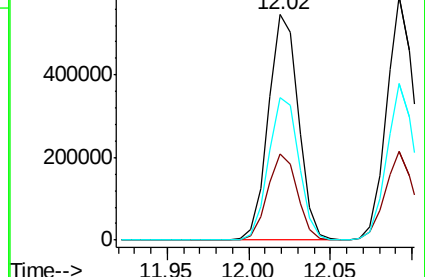
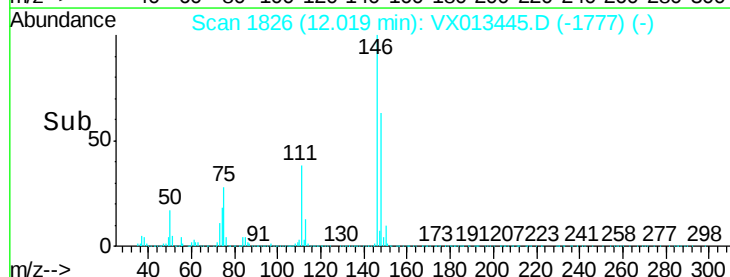
148 64.1 31.9 95.7

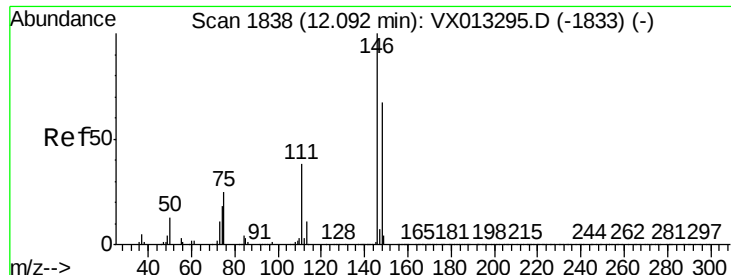


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 50.388 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

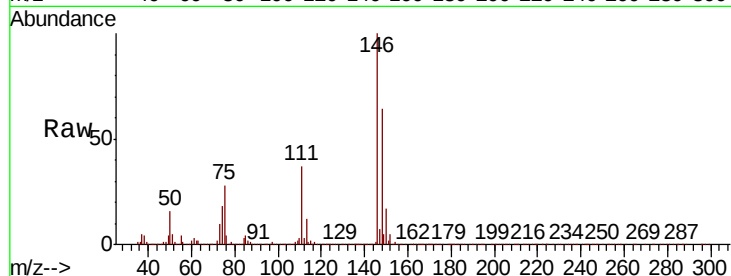
Tot Ion:146 Resp: 701496

Ion Ratio Lower Upper

146 100

111 36.8 18.8 56.4

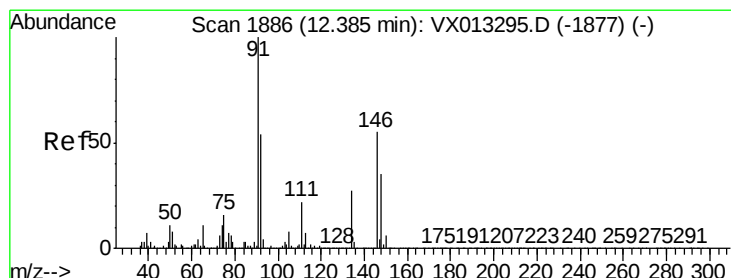
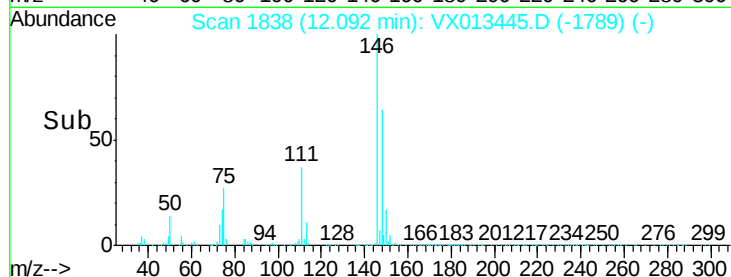
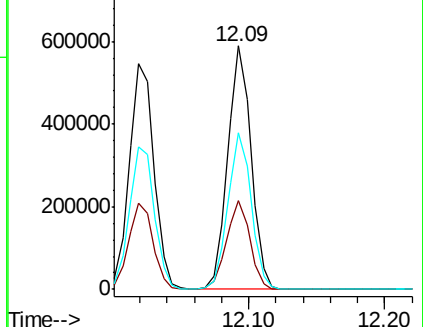
148 64.1 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 51.576 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

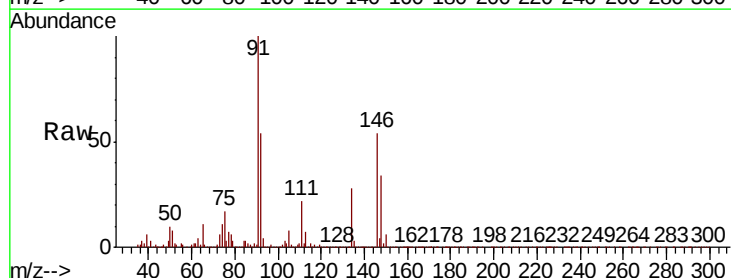
Tgt Ion: 91 Resp: 1148329

Ion Ratio Lower Upper

91 100

92 54.2 27.3 81.8

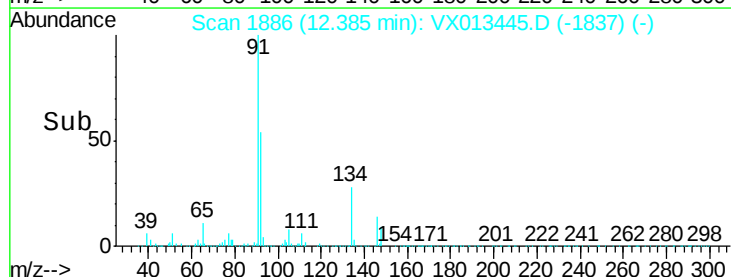
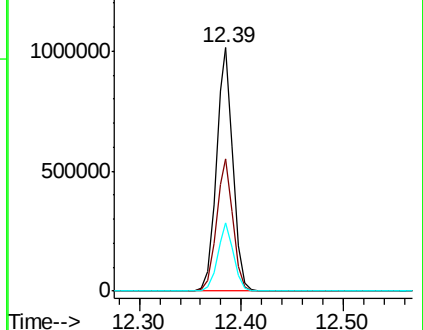
134 27.0 13.5 40.5

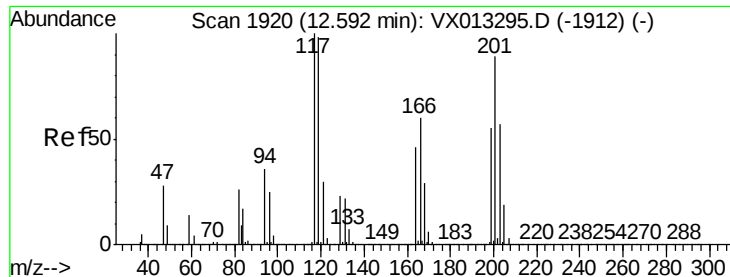


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 54.372 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

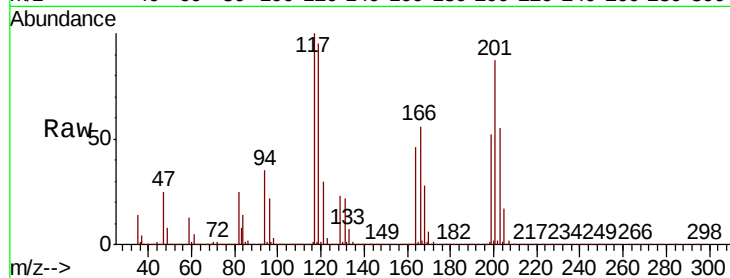
S36-0162MS

Tot Ion:117 Resp: 247189

Ion Ratio Lower Upper

117 100

201 87.8 43.9 131.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.59

200000

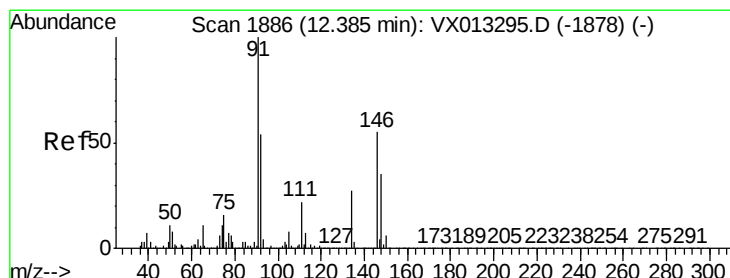
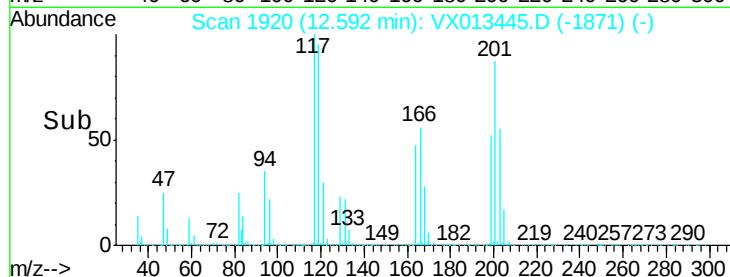
150000

100000

50000

0

Time--> 12.55 12.60 12.65



#91

1,2-Dichlorobenzene

Concen: 51.329 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

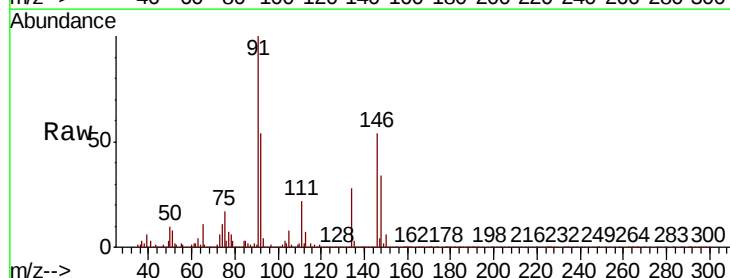
Tgt Ion:146 Resp: 701098

Ion Ratio Lower Upper

146 100

111 39.5 20.1 60.2

148 64.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.39

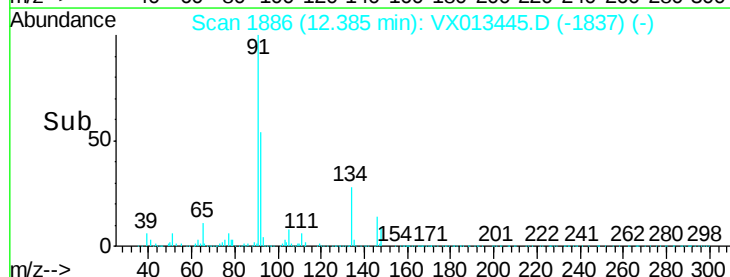
600000

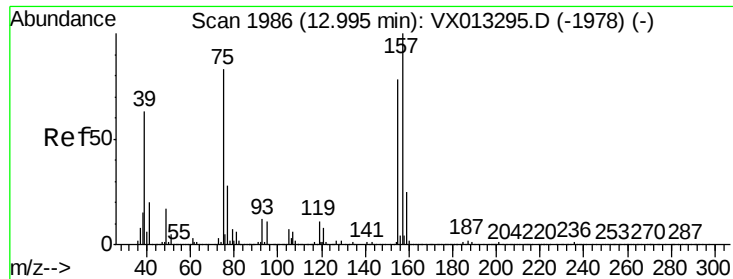
400000

200000

0

Time--> 12.30 12.40 12.50





#92

1,2-Dibromo-3-Chloropropane

Concen: 46.758 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

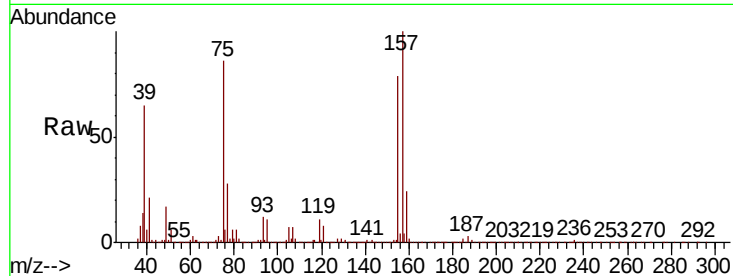
Tot Ion: 75 Resp: 119504

Ion Ratio Lower Upper

75 100

155 98.5 47.1 141.4

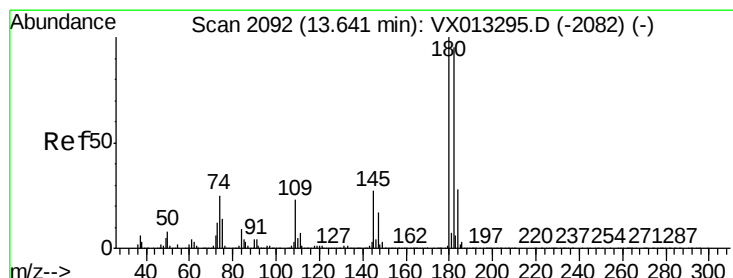
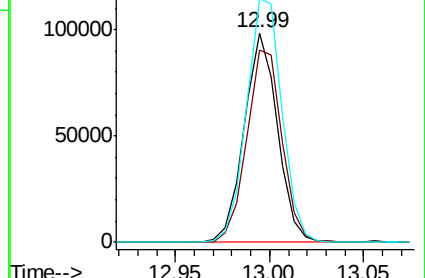
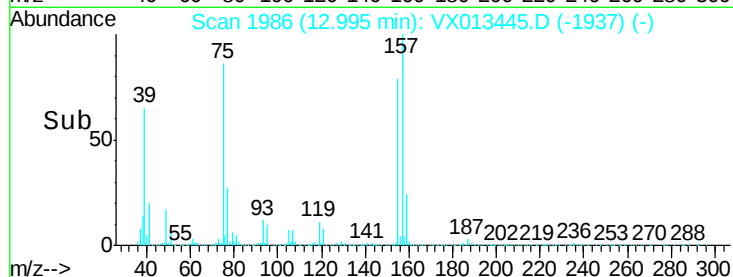
157 125.7 61.3 183.8



Abundance Ion 74.90 (74.60 to 75.60): VX013445.D (-1937) (-)

Ion 154.80 (154.50 to 155.50): VX013445.D (-1937) (-)

Ion 156.80 (156.50 to 157.50): VX013445.D (-1937) (-)



#93

1,2,4-Trichlorobenzene

Concen: 48.738 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

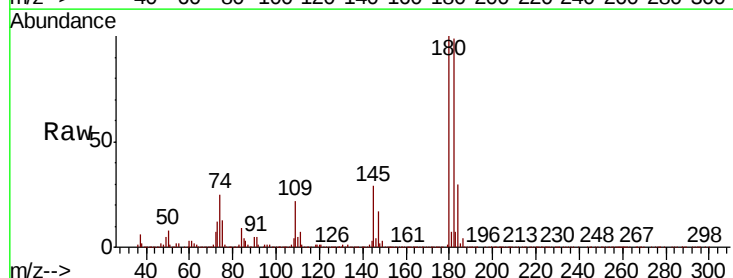
Tgt Ion: 180 Resp: 464360

Ion Ratio Lower Upper

180 100

182 96.1 48.4 145.0

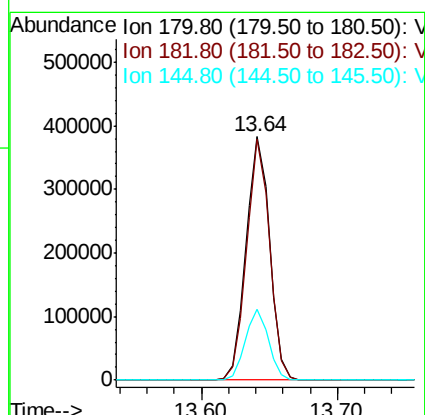
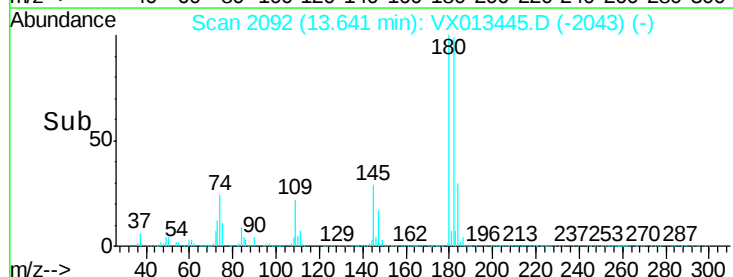
145 28.5 14.1 42.4

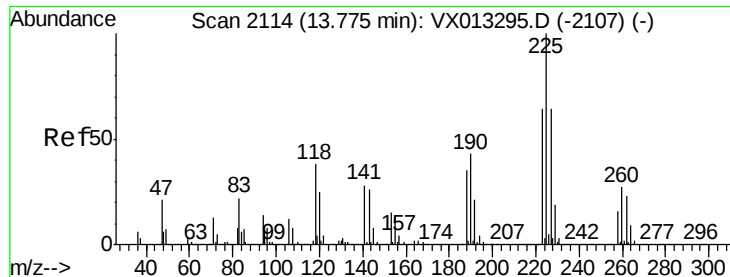


Abundance Ion 179.80 (179.50 to 180.50): VX013445.D (-2043) (-)

Ion 181.80 (181.50 to 182.50): VX013445.D (-2043) (-)

Ion 144.80 (144.50 to 145.50): VX013445.D (-2043) (-)





#94

Hexachlorobutadiene

Concen: 46.728 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampled :

S36-0162MS

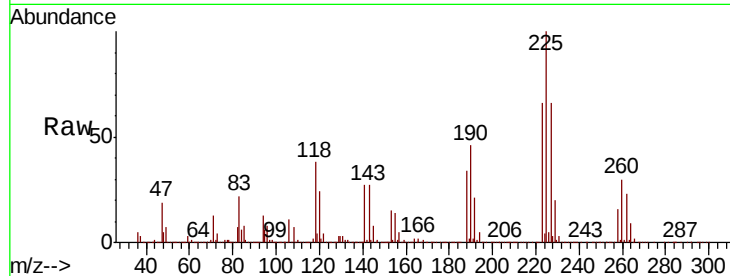
Tot Ion:225 Resp: 217815

Ion Ratio Lower Upper

225 100

223 64.5 31.9 95.7

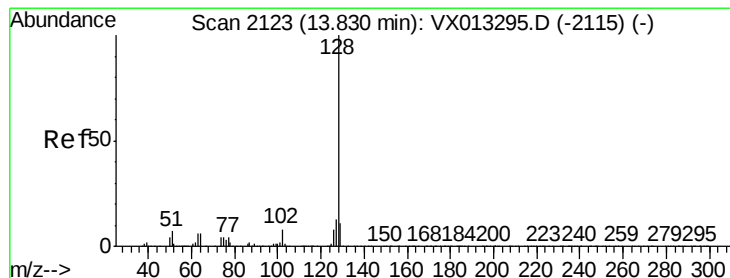
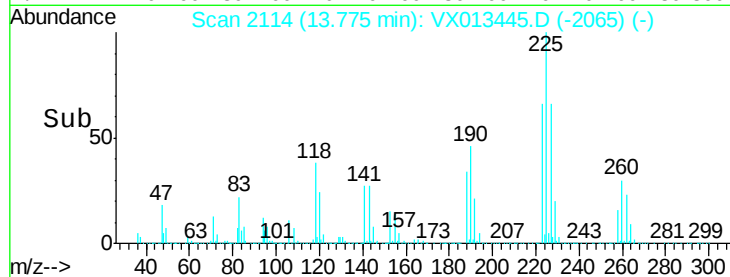
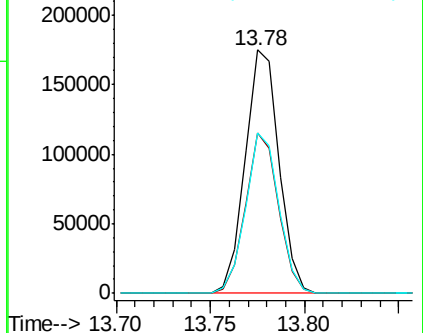
227 64.8 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 49.736 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

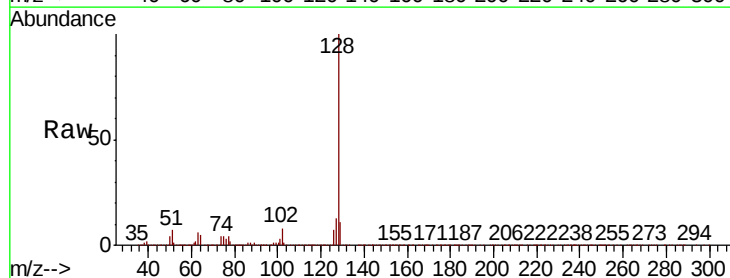
Tgt Ion:128 Resp: 1486773

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

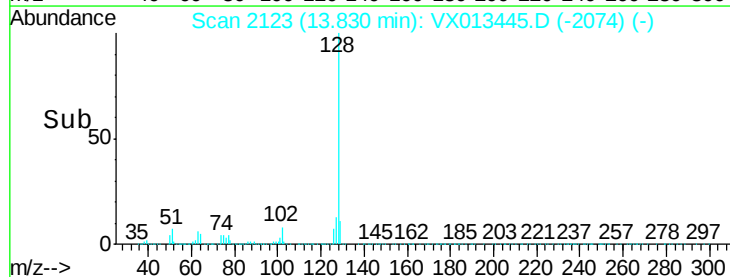
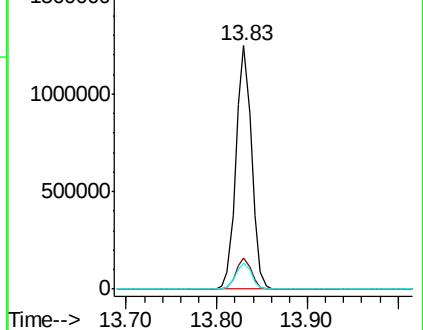
129 10.8 8.5 12.7

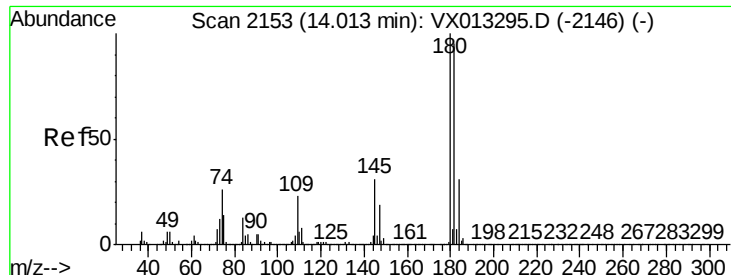


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 49.563 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.2
145	30.3	15.4	46.4

