

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013151.D
 Acq On : 21 Oct 2019 13:00
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Quant Time: Oct 22 01:42:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:38:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	27026	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	151879	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	137384	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	62584	30.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.17%
60) 4-Bromofluorobenzene	11.14	95	70664	29.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.97%
63) Toluene-d8	8.71	98	184101	29.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	91704	49.377	ug/l 97
3) Chloromethane	1.32	50	78751	44.312	ug/l 93
4) Vinyl Chloride	1.40	62	81457	45.369	ug/l 95
5) Bromomethane	1.63	94	39838	46.710	ug/l 96
6) Chloroethane	1.71	64	48335	44.063	ug/l 100
7) Trichlorofluoromethane	1.92	101	129611	48.429	ug/l 97
8) Diethyl Ether	2.18	74	44169	45.918	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	77333	46.303	ug/l 99
10) 1,1-Dichloroethene	2.36	96	76862	46.815	ug/l 98
11) Methyl Iodide	2.50	142	106814	52.394	ug/l 99
12) Methyl Acetate	2.76	43	102009	44.815	ug/l 98
13) Acrolein	2.28	56	81494	244.878	ug/l 99
14) Acrylonitrile	3.13	53	213538	225.028	ug/l 98
15) Acetone	2.44	58	72499	223.948	ug/l 93
16) Carbon Disulfide	2.56	76	204742	46.205	ug/l 99
17) Allyl chloride	2.72	41	124018	45.007	ug/l 98
18) Methylene Chloride	2.85	84	86864	46.540	ug/l 96
19) trans-1,2-Dichloroethene	3.15	96	81021	46.248	ug/l 98
20) Diisopropyl ether	3.84	45	239459	45.420	ug/l 96
21) 1,1-Dichloroethane	3.69	63	143036	46.588	ug/l 96
22) cis-1,2-Dichloroethene	4.59	96	93798	46.390	ug/l 99
23) tert-Butyl Alcohol	3.03	59	107212	221.823	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	267669	47.949	ug/l 98
25) Chloroform	5.20	83	151890	47.703	ug/l 98
26) Cyclohexane	5.57	56	124746	45.038	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	113477	48.337	ug/l 87
30) 2-Butanone	4.66	43	308366	229.758	ug/l 97
31) 2,2-Dichloropropane	4.57	77	130830	49.563	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	137780	50.059	ug/l 99
33) Carbon Tetrachloride	5.78	117	118994	50.408	ug/l 97
34) Benzene	6.14	78	327388	47.521	ug/l 99
35) Methacrylonitrile	5.03	41	62081	46.704	ug/l 97
36) 1,2-Dichloroethane	6.18	62	122611	48.715	ug/l 99
37) Trichloroethene	7.21	130	89773	48.329	ug/l 96
38) Methylcyclohexane	7.46	83	136435	47.776	ug/l 99
39) 1,2-Dichloropropane	7.51	63	80107	46.639	ug/l 96
40) Dibromomethane	7.65	93	58299	49.090	ug/l 100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	116014	49.223	ug/l	99
42) Vinyl Acetate	3.80	43	1056858	237.166	ug/l	100
43) Ethyl Acetate	4.82	43	113311	46.515	ug/l	97
44) Isopropyl Acetate	6.43	43	183633	46.615	ug/l	98
45) 1,4-Dioxane	7.73	88	47998	974.289	ug/l	99
46) Methyl methacrylate	7.76	41	90798	46.768	ug/l	93
47) n-amyl Acetate	10.89	43	154232	45.942	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	129337	49.648	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	140039	48.915	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	84694	47.537	ug/l	97
51) Ethyl methacrylate	9.17	69	135983	48.596	ug/l	97
52) 1,3-Dichloropropane	9.37	76	142966	47.945	ug/l	100
53) Dibromochloromethane	9.58	129	93930	51.012	ug/l	99
54) 1,2-Dibromoethane	9.67	107	91360	48.792	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	304539	252.971	ug/l	100
56) Bromoform	10.85	173	66975	52.133	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	566469	228.795	ug/l	100
59) 2-Hexanone	9.49	43	446684	231.646	ug/l	99
61) Tetrachloroethene	9.33	164	89004	50.466	ug/l	97
62) Toluene	8.78	91	358570	48.007	ug/l	100
64) Chlorobenzene	10.14	112	229583	48.332	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	85396	48.654	ug/l	99
66) Ethyl Benzene	10.25	91	413164	48.319	ug/l	98
67) m/p-Xylenes	10.35	106	310396	96.298	ug/l	98
68) o-Xylene	10.70	106	150925	48.572	ug/l	93
69) Styrene	10.71	104	260023	48.189	ug/l	99
70) Isopropylbenzene	11.01	105	407363	48.416	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	128809	47.903	ug/l	95
72) 1,2,3-Trichloropropane	11.29	75	150137	64.474	ug/l	89
73) Bromobenzene	11.25	156	95685	47.791	ug/l	98
74) n-propylbenzene	11.35	91	443266	47.516	ug/l	99
75) 2-Chlorotoluene	11.42	91	281470	48.720	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	352426	49.557	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	43491	49.281	ug/l	95
78) 4-Chlorotoluene	11.51	91	326174	49.185	ug/l	98
79) tert-butylbenzene	11.76	119	330360	49.419	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	335248	47.401	ug/l	98
81) sec-Butylbenzene	11.94	105	393449	48.517	ug/l	100
82) p-Isopropyltoluene	12.06	119	358200	48.351	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	173202	47.924	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	172764	47.362	ug/l	99
85) n-Butylbenzene	12.39	91	305134	48.510	ug/l	98
86) Hexachloroethane	12.59	117	62975	49.176	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	172141	47.970	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	32197	50.652	ug/l	95
89) 1,2,4-Trichlorobenzene	13.64	180	108973	48.950	ug/l	98
90) Hexachlorobutadiene	13.78	225	53596	50.064	ug/l	98
91) Naphthalene	13.83	128	360817	48.019	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	115684	51.533	ug/l	96

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:38:23 2019
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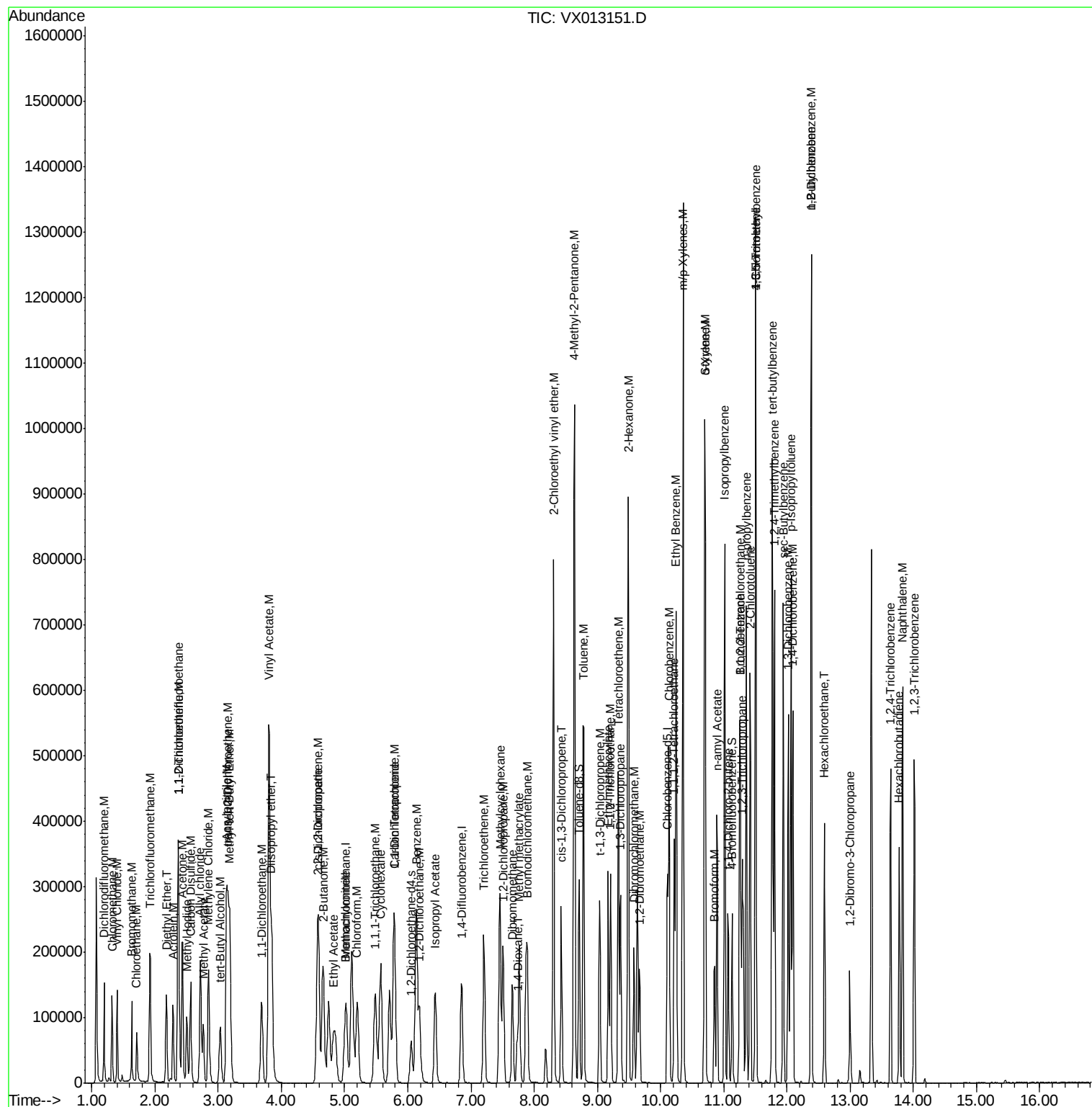
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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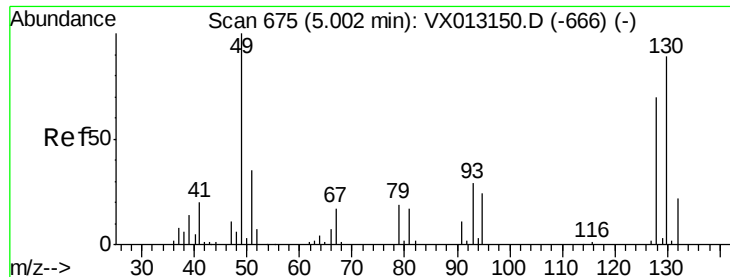
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013151.D
 Acq On : 21 Oct 2019 13:00
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC050

Quant Time: Oct 22 01:42:44 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

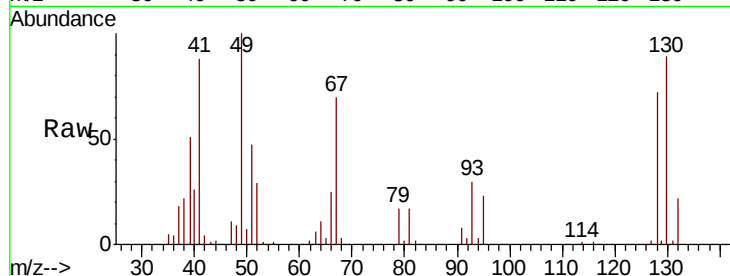
Tot Ion:128 Resp: 27026

Ion Ratio Lower Upper

128 100

49 147.5 0.0 367.3

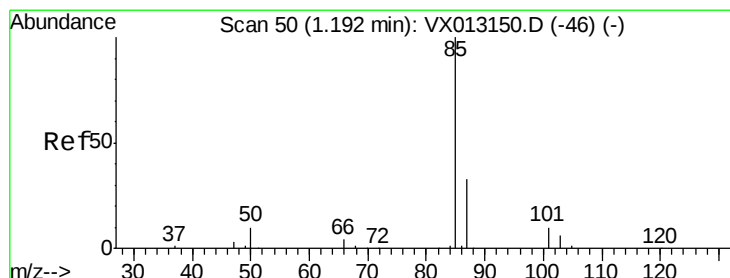
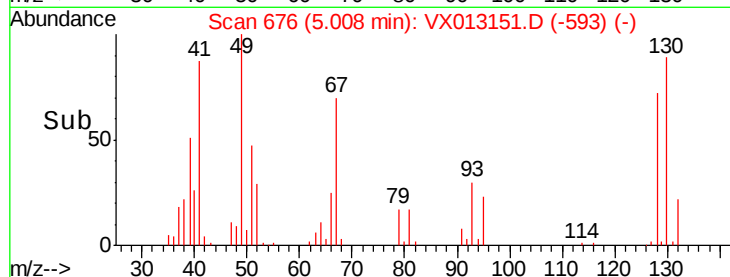
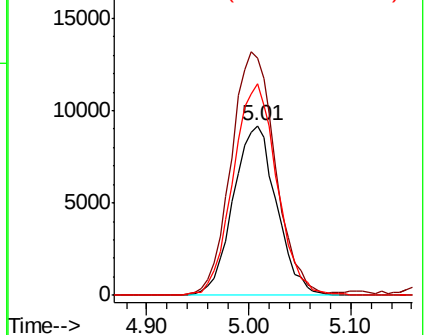
130 126.5 0.0 325.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 49.377 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013151.D

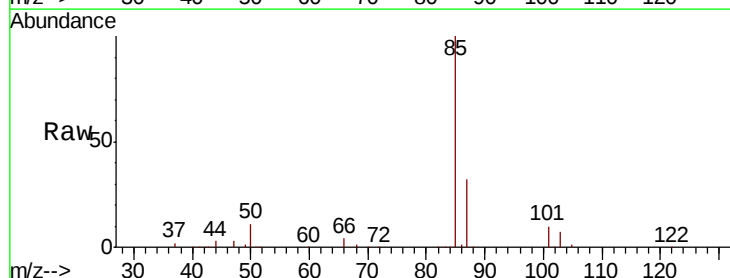
Acq: 21 Oct 2019 13:00

Tgt Ion: 85 Resp: 91704

Ion Ratio Lower Upper

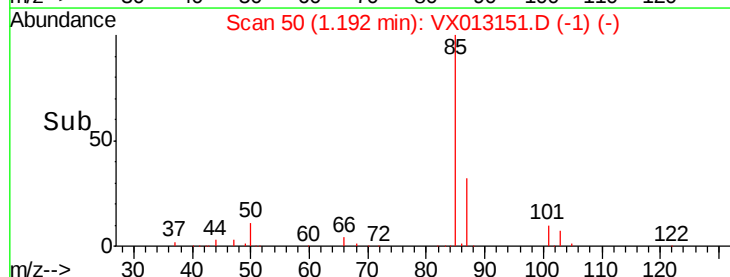
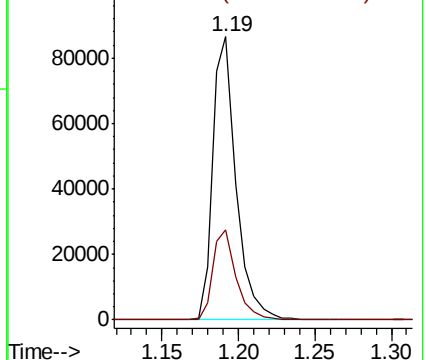
85 100

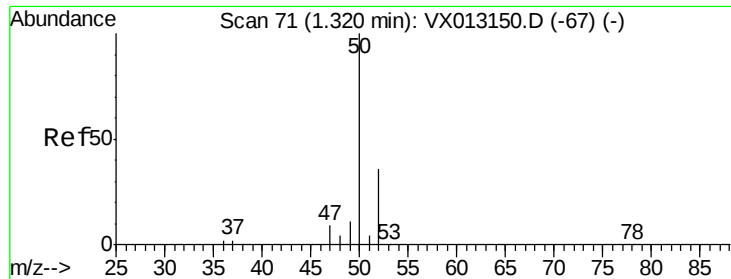
87 31.6 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 44.312 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

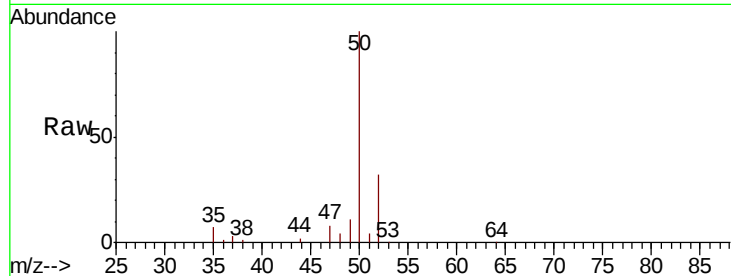
VSTDIC050

Tot Ion: 50 Resp: 78751

Ion Ratio Lower Upper

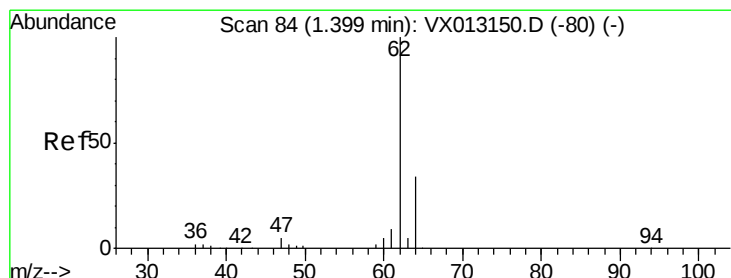
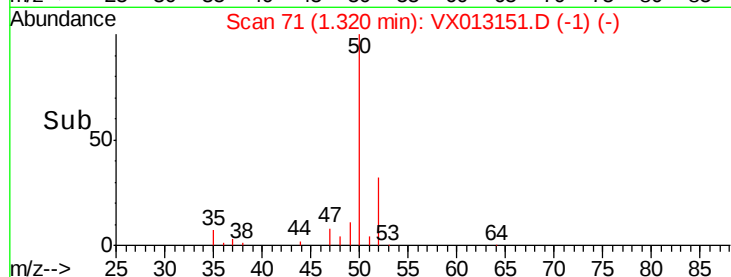
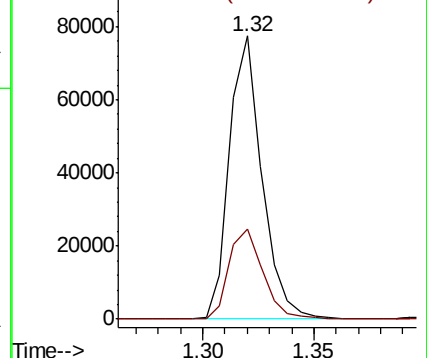
50 100

52 31.7 28.6 42.8



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 45.369 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013151.D

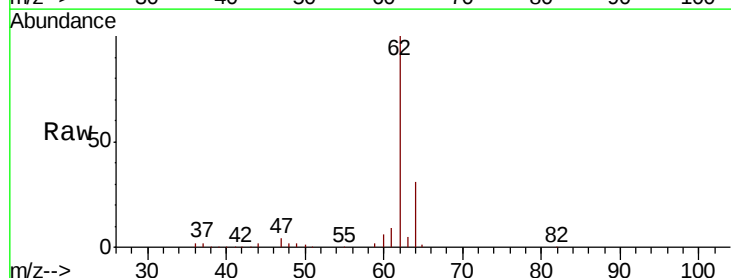
Acq: 21 Oct 2019 13:00

Tgt Ion: 62 Resp: 81457

Ion Ratio Lower Upper

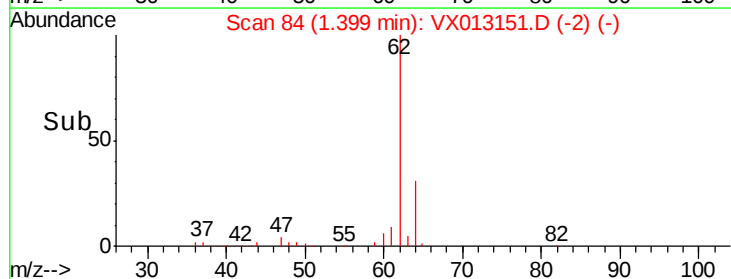
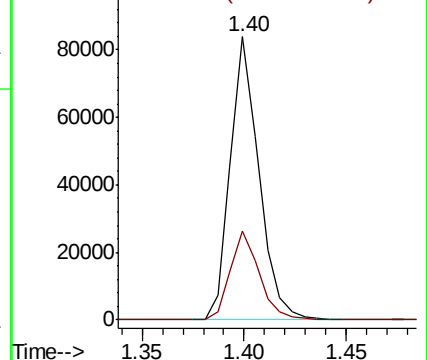
62 100

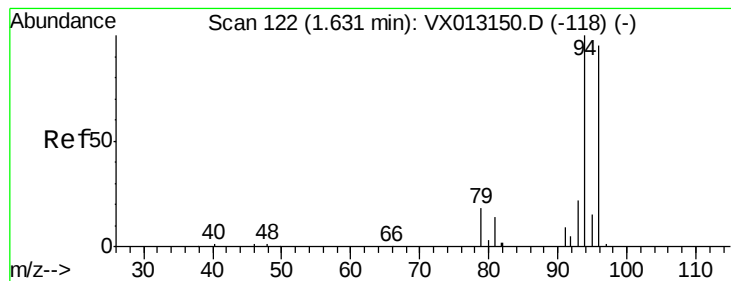
64 31.2 27.3 40.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 46.710 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

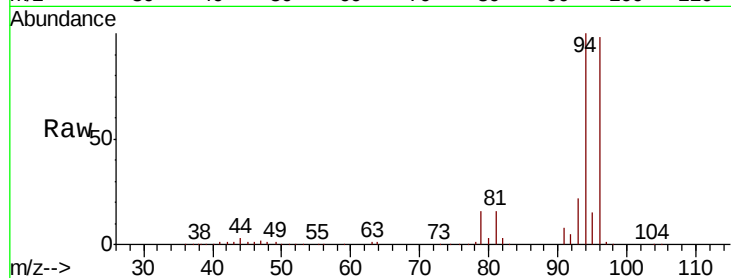
VSTDIC050

Tot Ion: 94 Resp: 39838

Ion Ratio Lower Upper

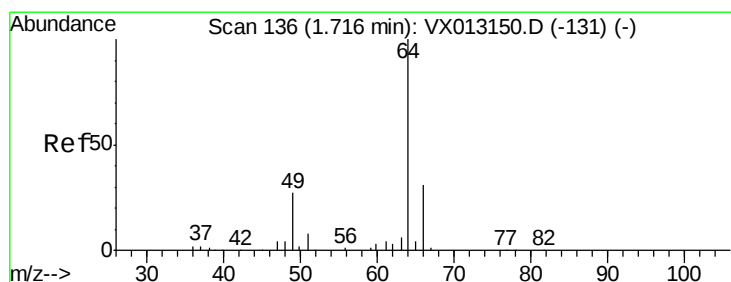
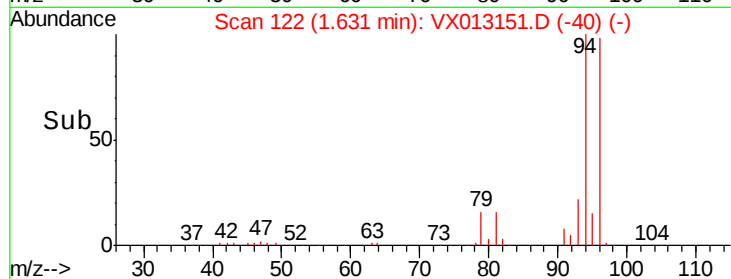
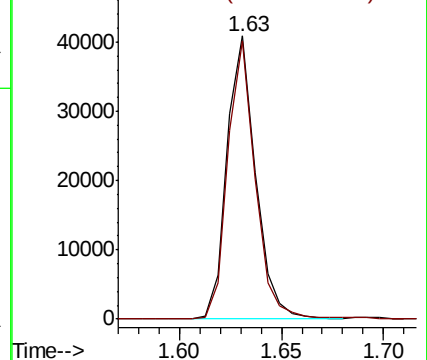
94 100

96 98.4 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 44.063 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX013151.D

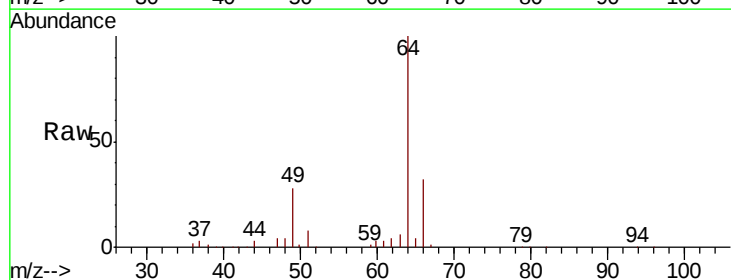
Acq: 21 Oct 2019 13:00

Tgt Ion: 64 Resp: 48335

Ion Ratio Lower Upper

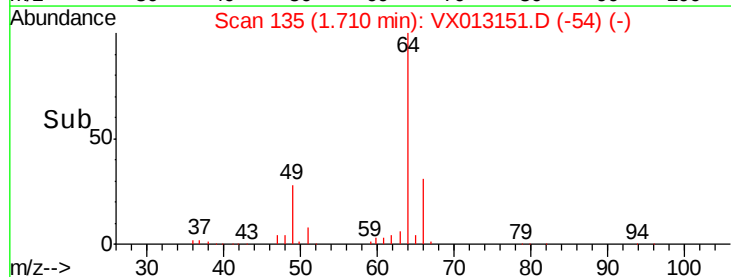
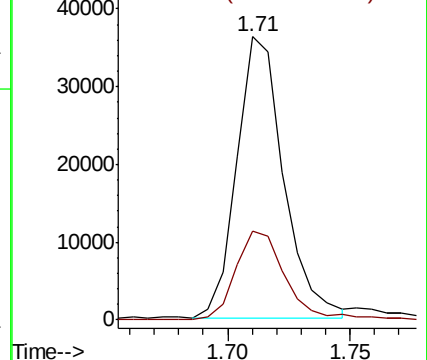
64 100

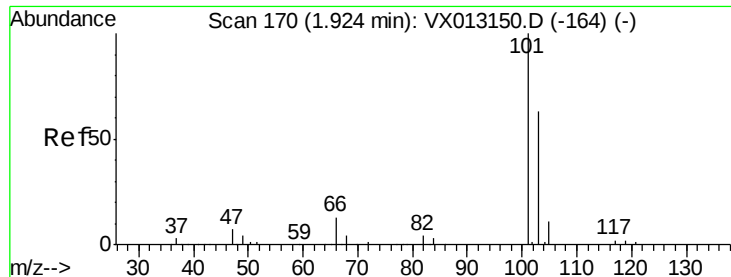
66 31.7 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



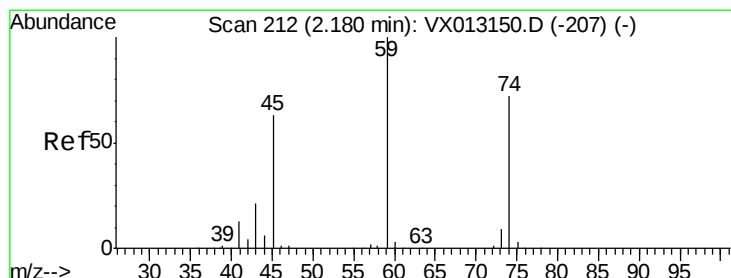
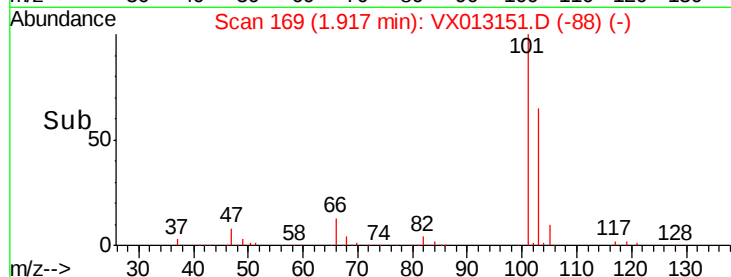
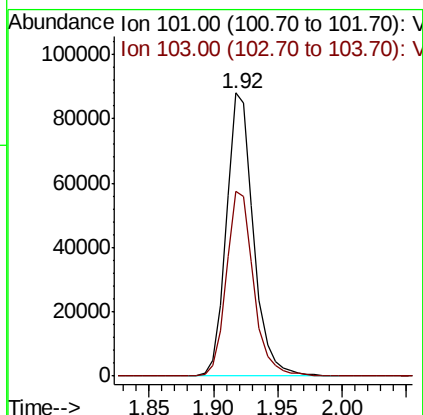
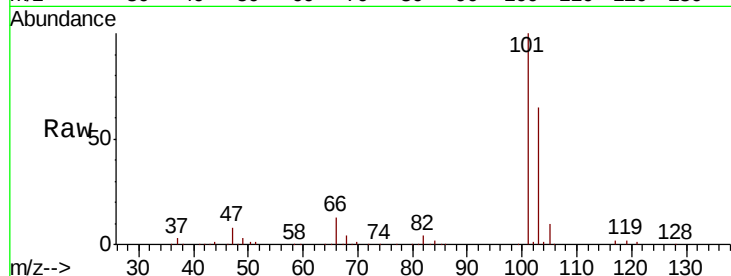


#7

Trichlorofluoromethane
 Concen: 48.429 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

Instrument :
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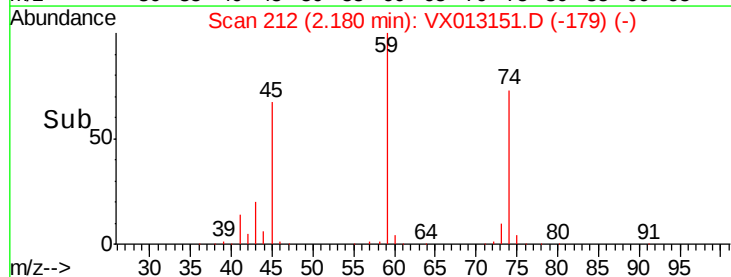
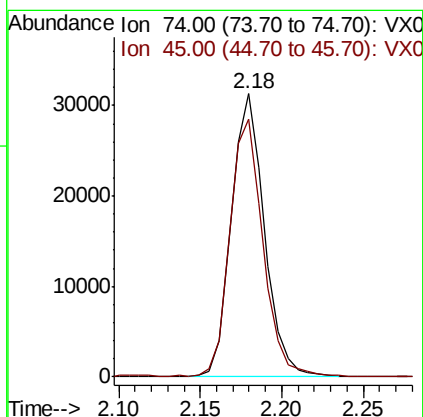
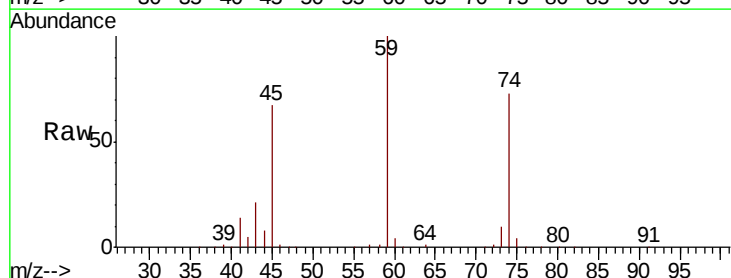
Tot Ion:101 Resp: 129611
 Ion Ratio Lower Upper
 101 100
 103 65.4 50.2 75.4

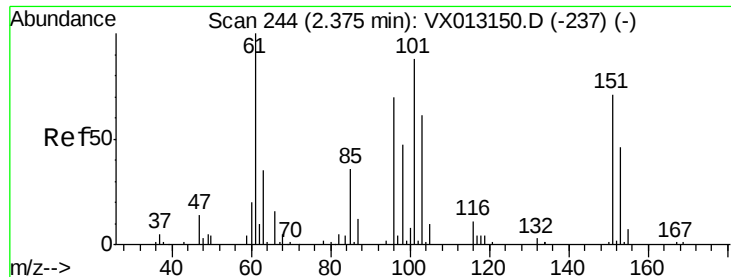


#8

Diethyl Ether
 Concen: 45.918 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

Tgt Ion: 74 Resp: 44169
 Ion Ratio Lower Upper
 74 100
 45 91.4 18.4 165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.303 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

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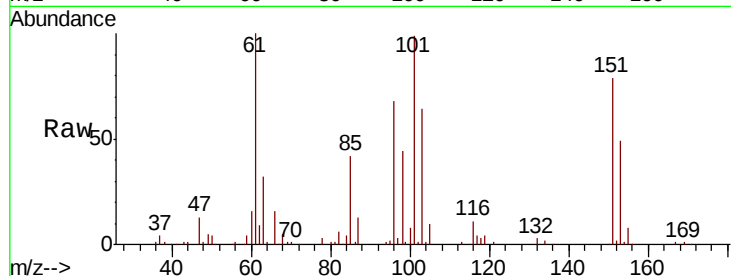
Tot Ion:101 Resp: 77333

Ion Ratio Lower Upper

101 100

85 44.2 0.0 87.2

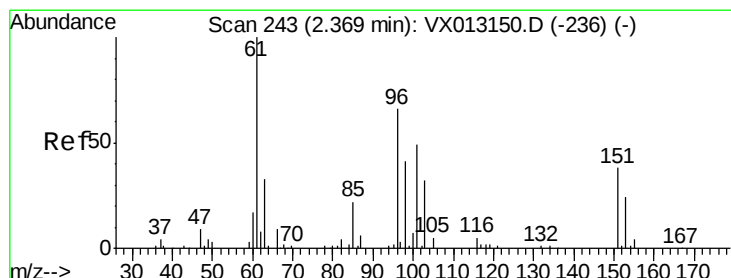
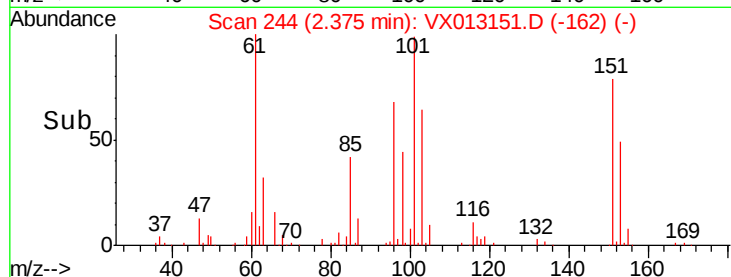
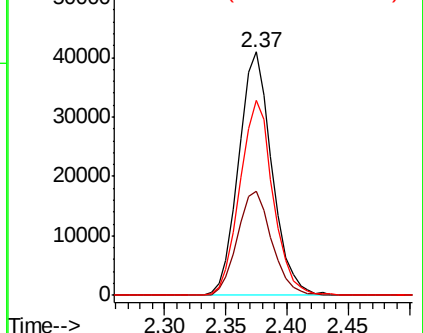
151 79.9 0.0 163.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 46.815 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

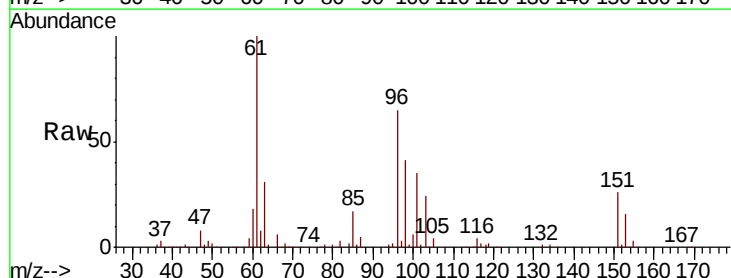
Tgt Ion: 96 Resp: 76862

Ion Ratio Lower Upper

96 100

61 153.9 121.3 181.9

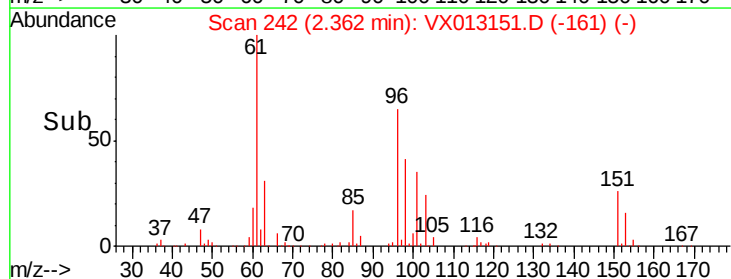
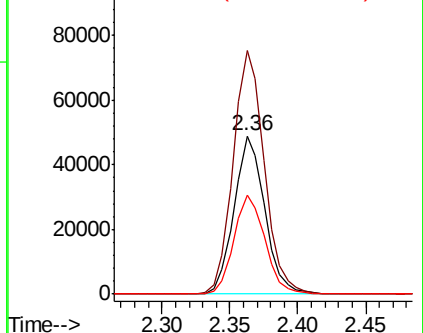
98 62.6 49.5 74.3

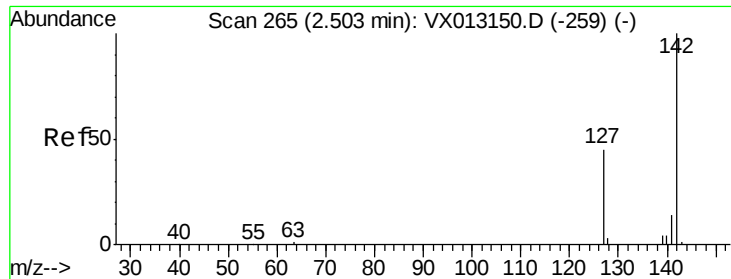


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

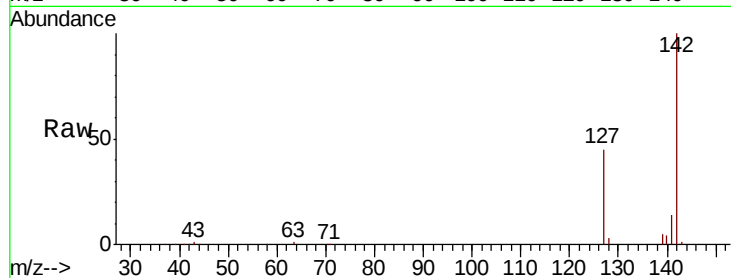




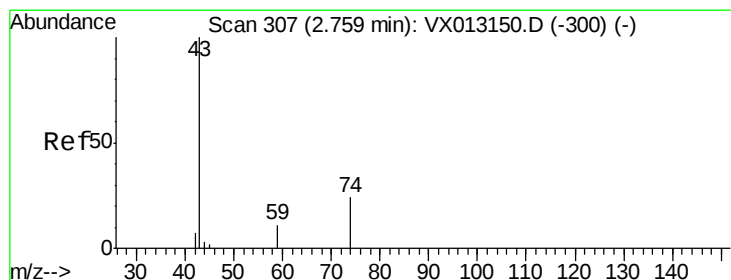
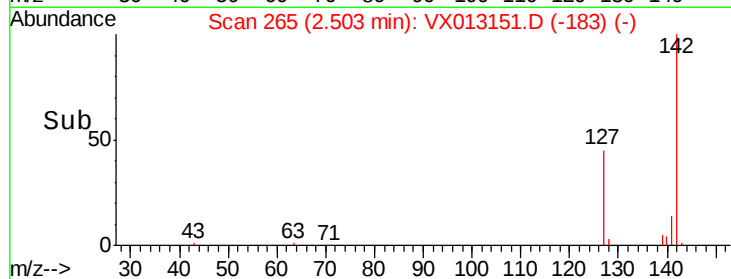
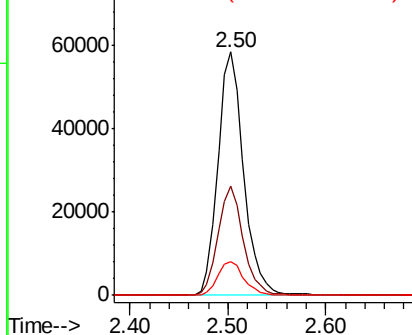
#11
Methyl Iodide
Concen: 52.394 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:142 Resp: 106814
Ion Ratio Lower Upper
142 100
127 44.8 22.3 66.9
141 13.6 7.1 21.3

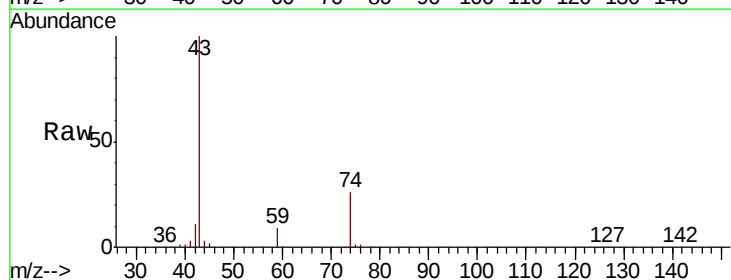


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

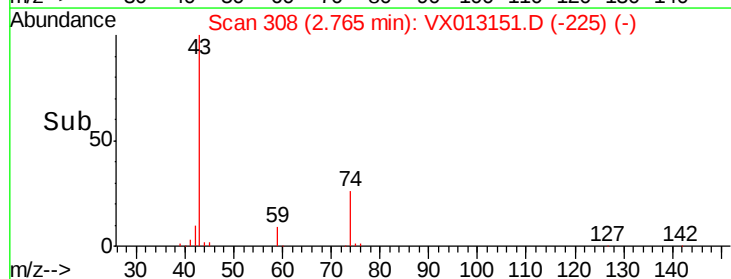
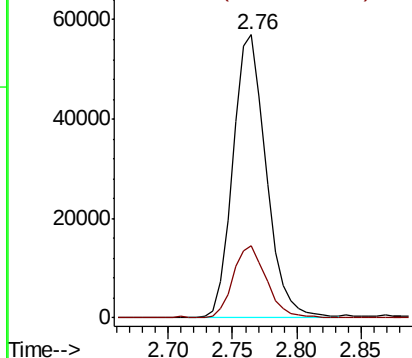


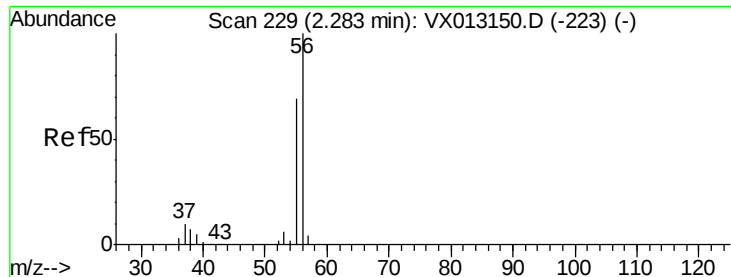
#12
Methyl Acetate
Concen: 44.815 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion: 43 Resp: 102009
Ion Ratio Lower Upper
43 100
74 25.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 244.878 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

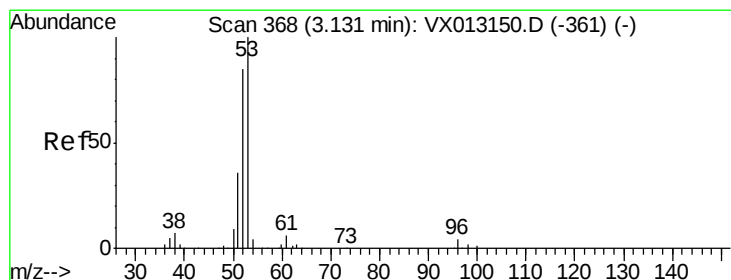
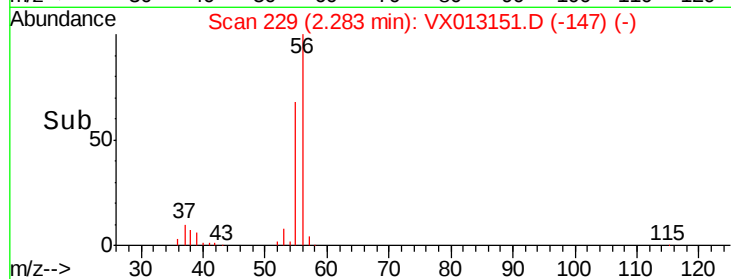
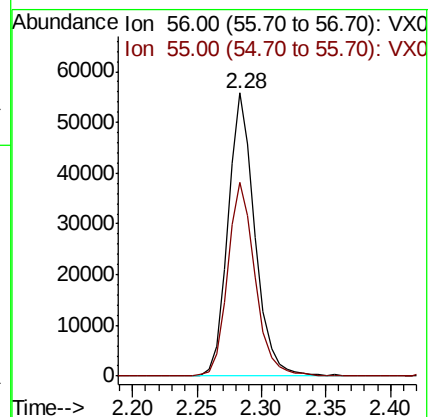
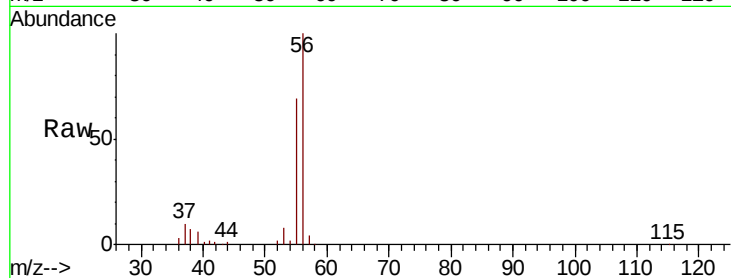
VSTDIC050

Tot Ion: 56 Resp: 81494

Ion Ratio Lower Upper

56 100

55 70.2 55.8 83.8



#14

Acrylonitrile

Concen: 225.028 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

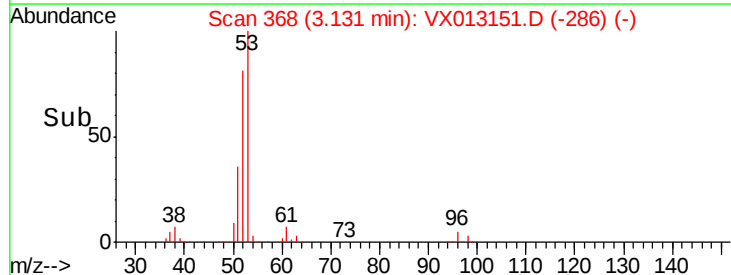
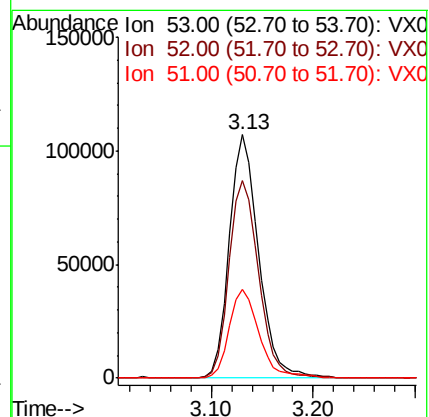
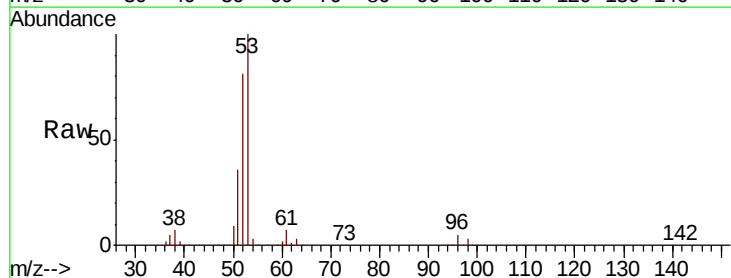
Tgt Ion: 53 Resp: 213538

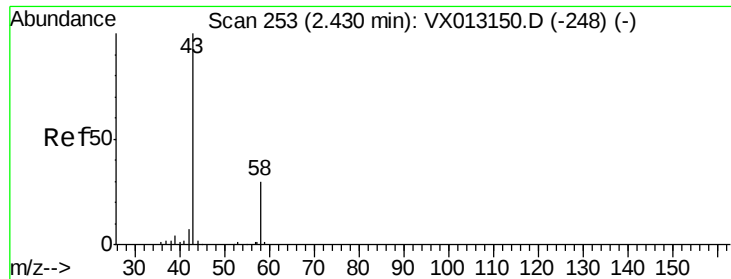
Ion Ratio Lower Upper

53 100

52 81.9 42.0 126.0

51 36.5 18.6 56.0





#15

Acetone

Concen: 223.948 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

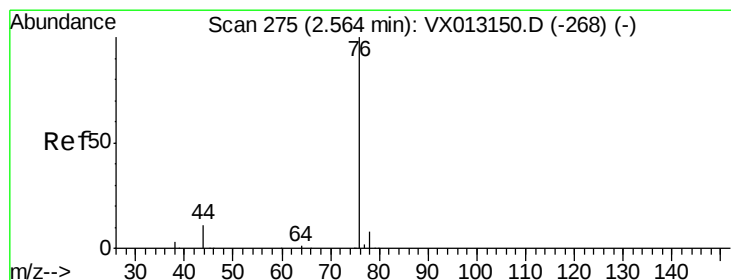
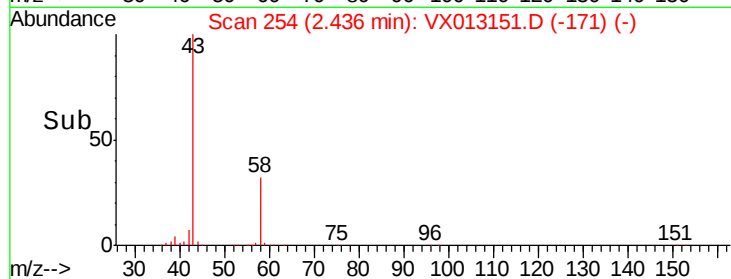
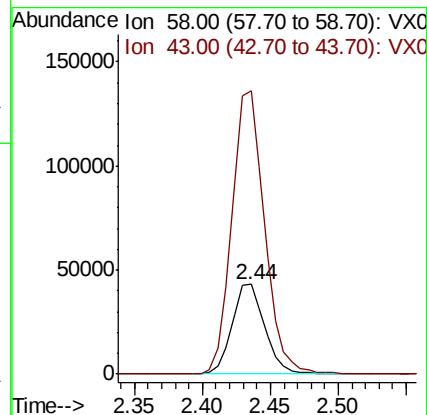
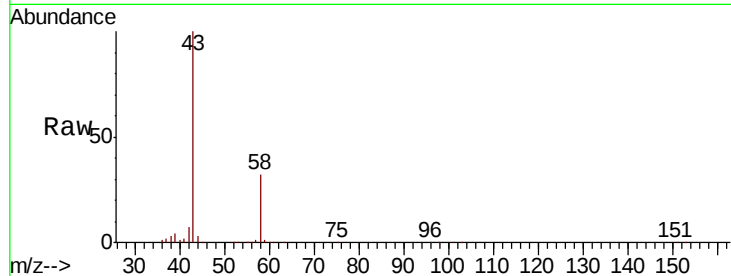
VSTDIC050

Tot Ion: 58 Resp: 72499

Ion Ratio Lower Upper

58 100

43 314.6 262.8 394.2



#16

Carbon Disulfide

Concen: 46.205 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX013151.D

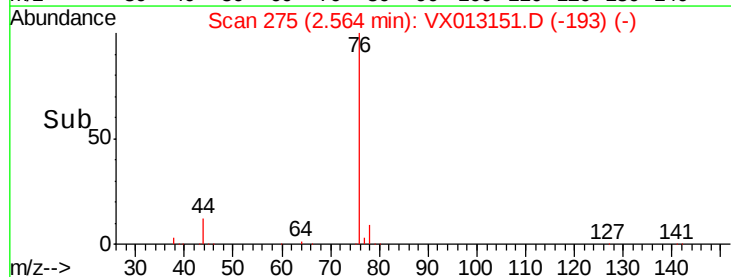
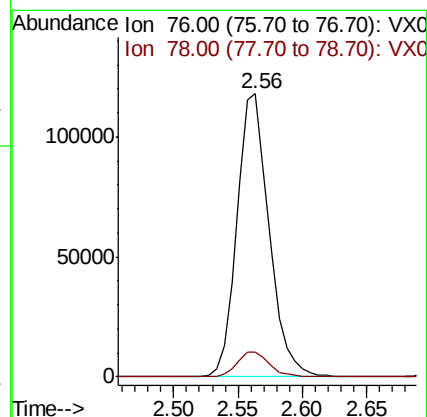
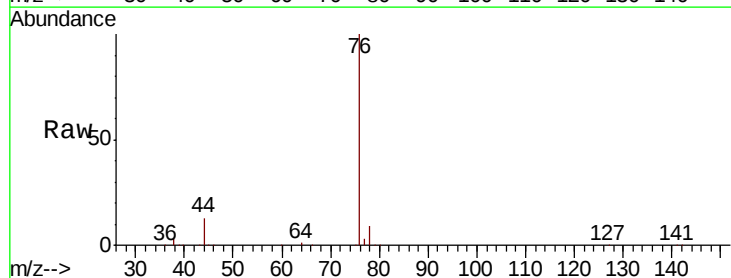
Acq: 21 Oct 2019 13:00

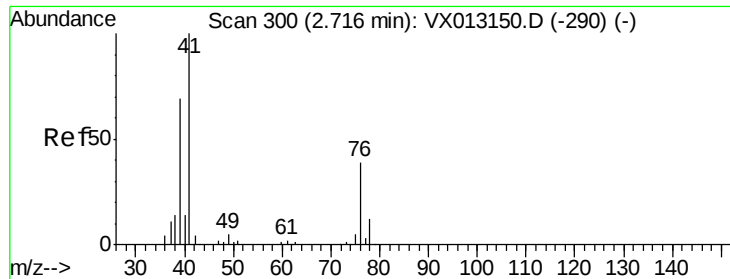
Tgt Ion: 76 Resp: 204742

Ion Ratio Lower Upper

76 100

78 8.8 6.6 10.0

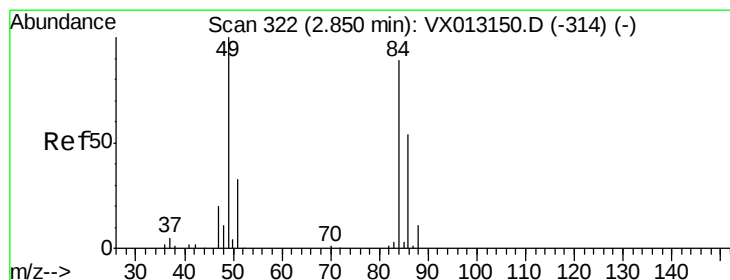
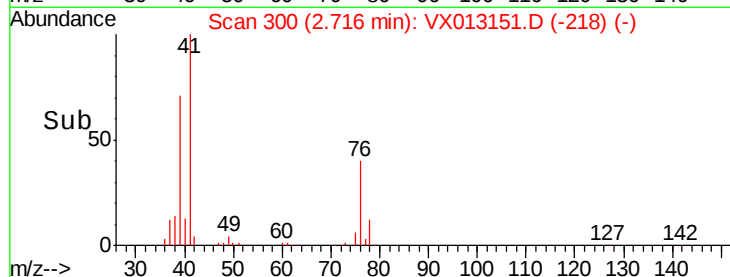
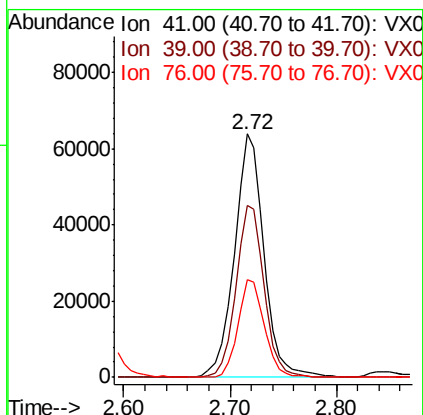
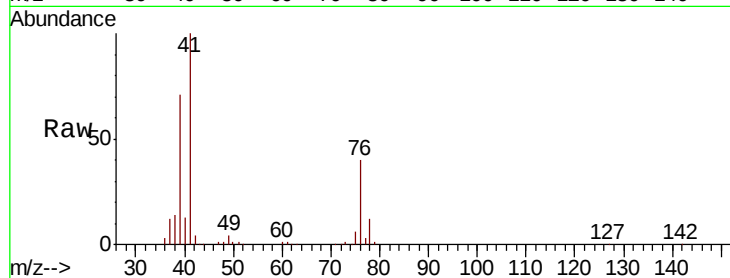




#17
Allvl chloride
Concen: 45.007 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

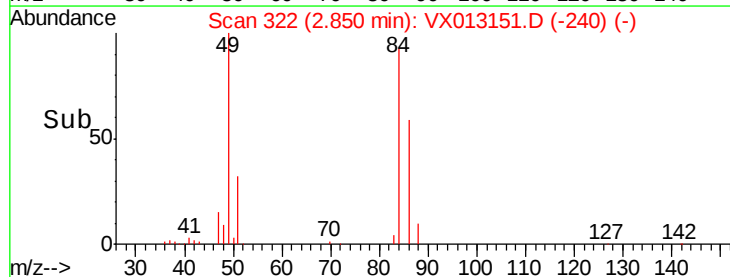
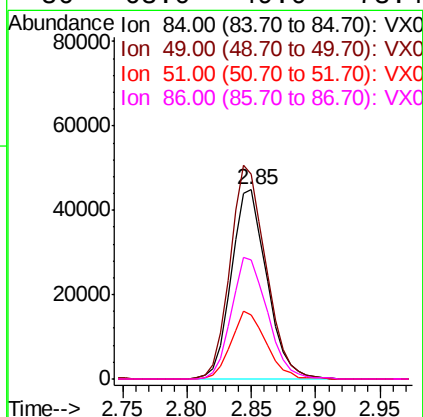
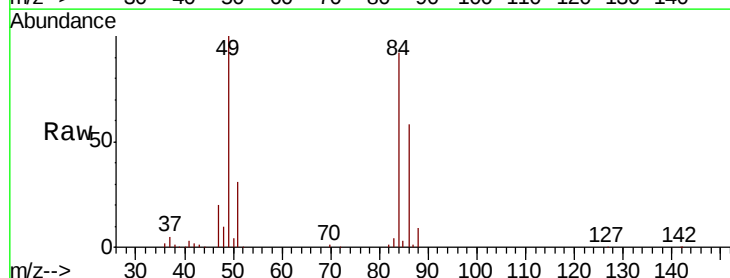
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

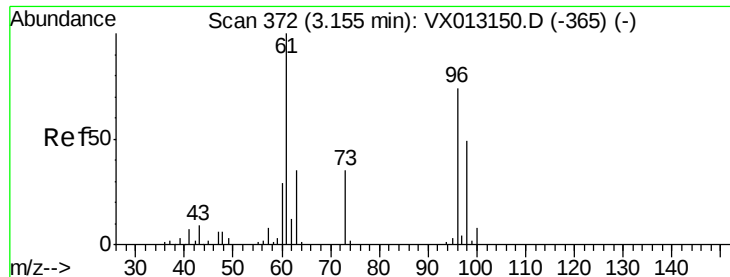
Tot Ion: 41 Resp: 124018
Ion Ratio Lower Upper
41 100
39 70.7 34.7 104.1
76 40.4 19.7 59.0



#18
Methylene Chloride
Concen: 46.540 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion: 84 Resp: 86864
Ion Ratio Lower Upper
84 100
49 108.7 90.3 135.5
51 33.9 29.9 44.9
86 63.0 49.0 73.4

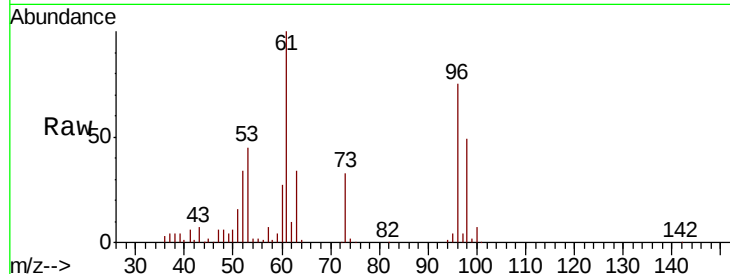




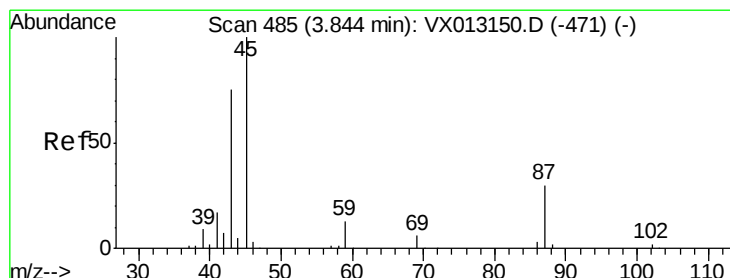
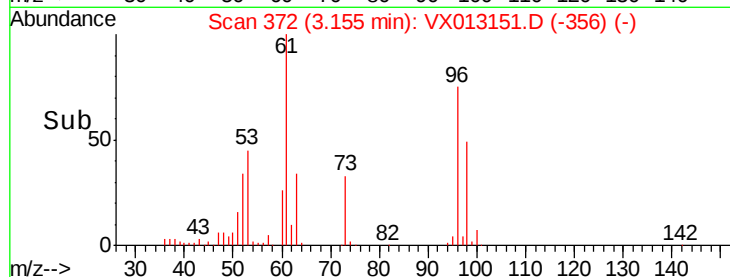
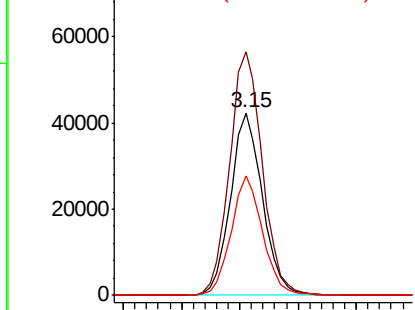
#19
trans-1,2-Dichloroethene
Concen: 46.248 ug/l
RT: 3.15 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 96 Resp: 81021
Ion Ratio Lower Upper
96 100
61 133.3 108.6 162.8
98 65.8 53.4 80.0

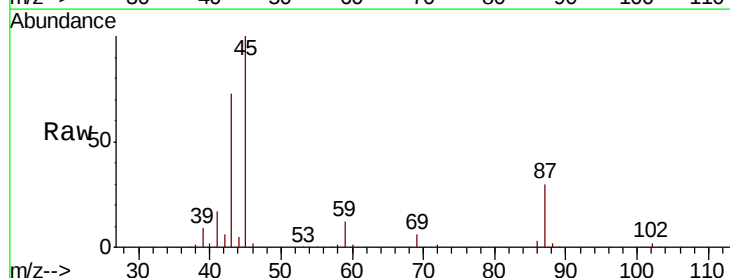


Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

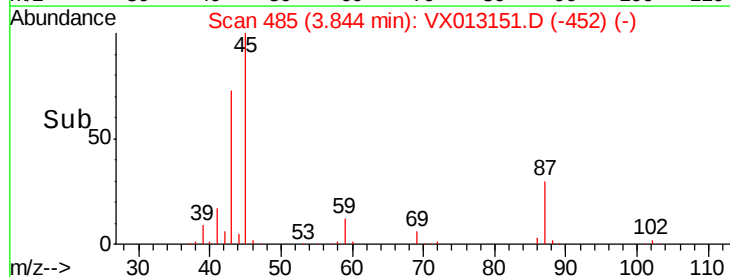
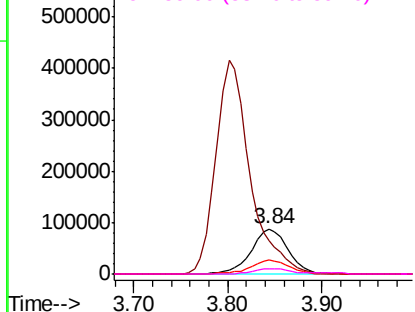


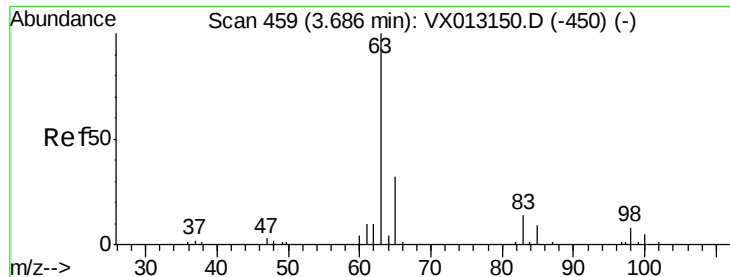
#20
Diisopropyl ether
Concen: 45.420 ug/l
RT: 3.84 min Scan# 485
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion: 45 Resp: 239459
Ion Ratio Lower Upper
45 100
43 71.1 60.6 91.0
87 30.1 24.2 36.2
59 12.1 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 46.588 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

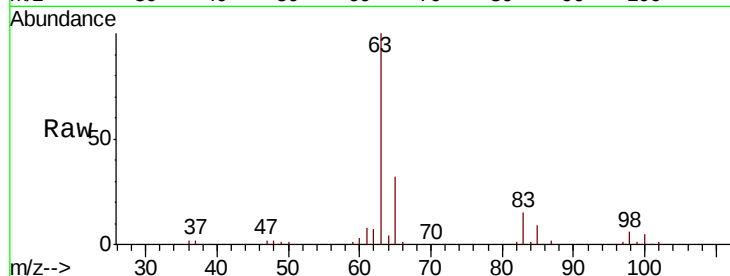
Tot Ion: 63 Resp: 143036

Ion Ratio Lower Upper

63 100

98 6.3 4.2 12.4

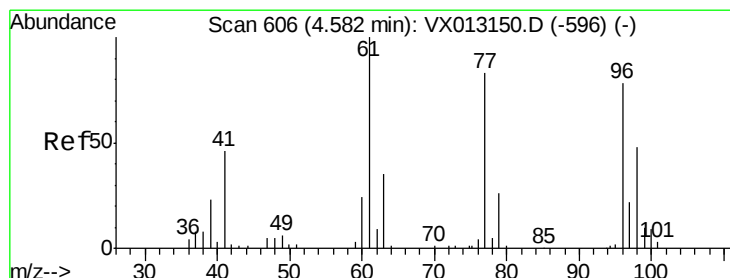
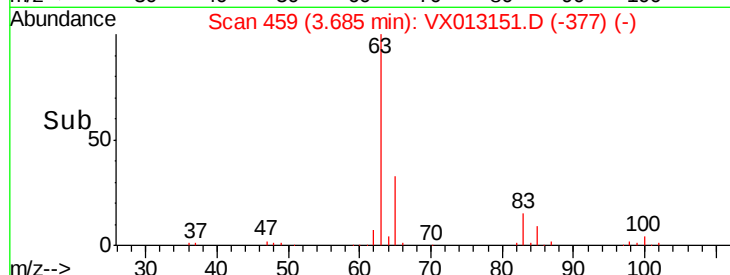
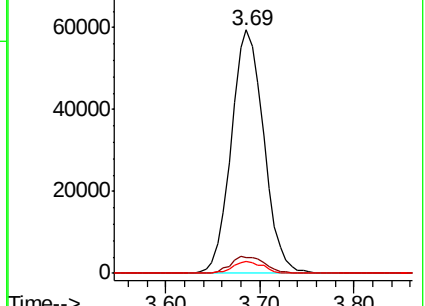
100 5.0 2.4 7.2



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 46.390 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

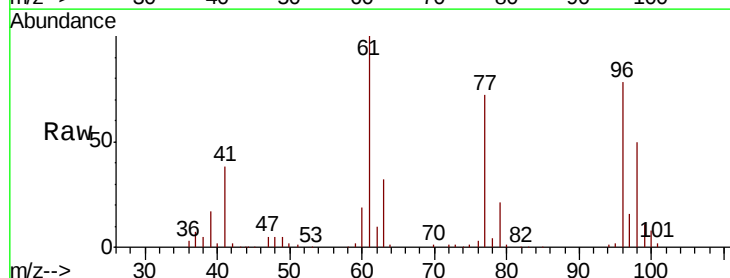
Tgt Ion: 96 Resp: 93798

Ion Ratio Lower Upper

96 100

61 141.8 112.5 168.7

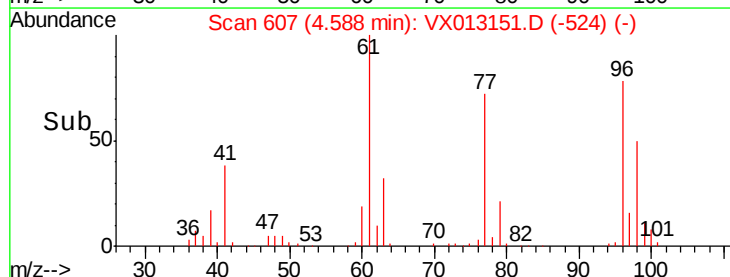
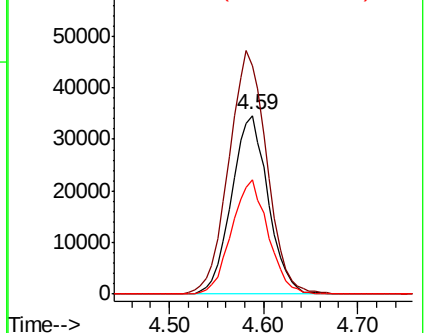
98 63.8 51.2 76.8

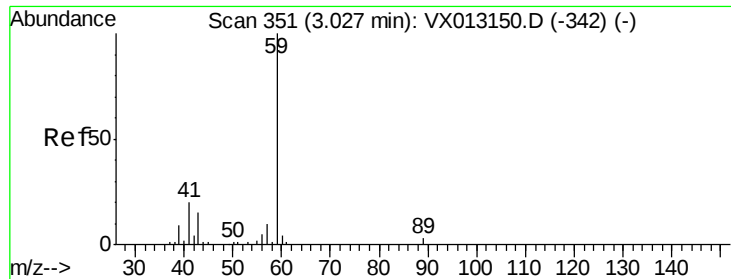


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



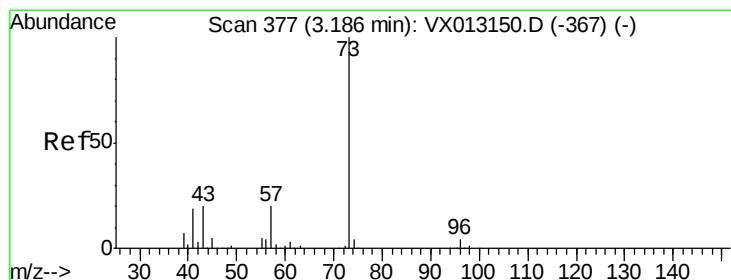
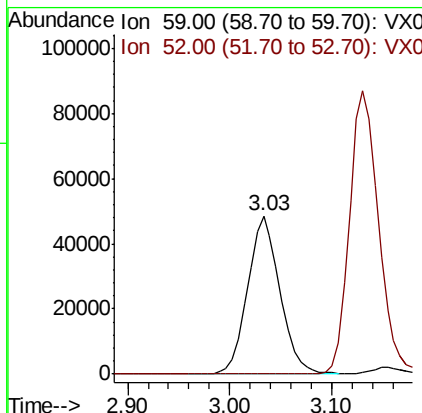
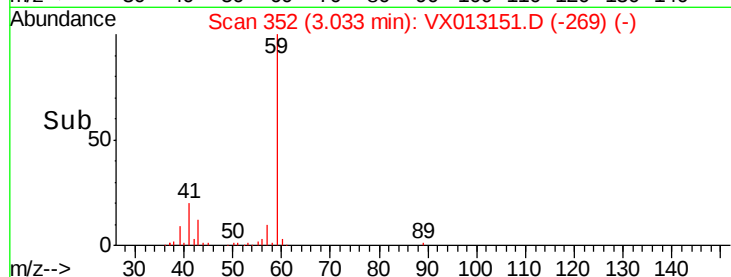
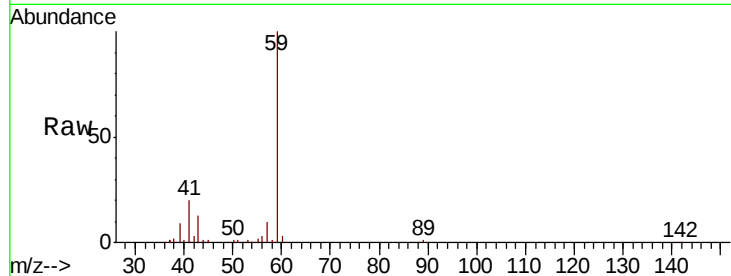


#23

tert-Butyl Alcohol
Concen: 221.823 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

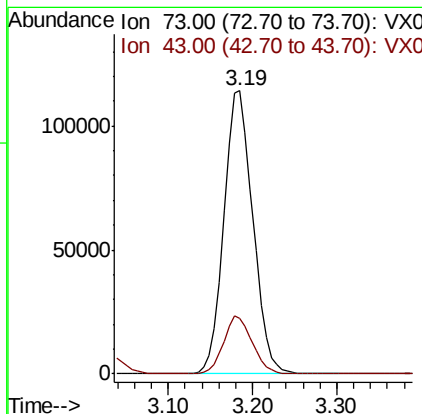
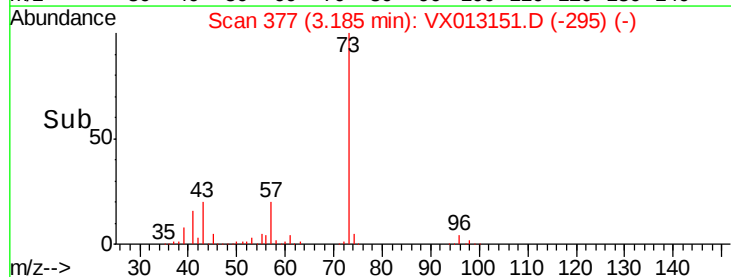
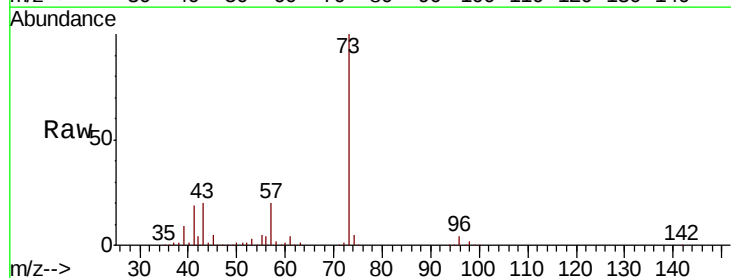
Tot Ion: 59 Resp: 107212
Ion Ratio Lower Upper
59 100
52 0.2 0.0 0.0#

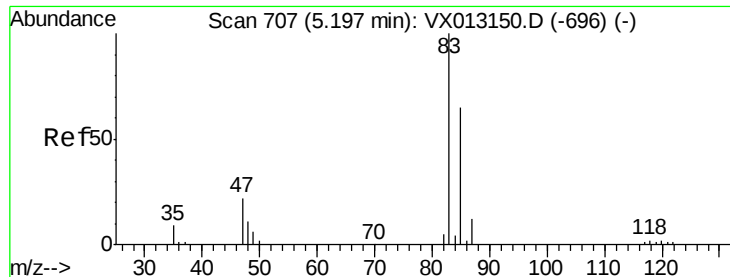


#24

Methyl tert-Butyl Ether
Concen: 47.949 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion: 73 Resp: 267669
Ion Ratio Lower Upper
73 100
43 20.2 17.1 25.7

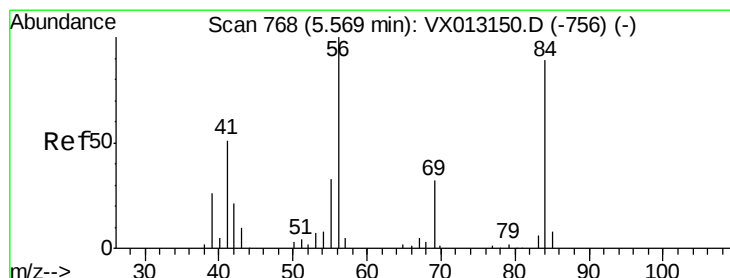
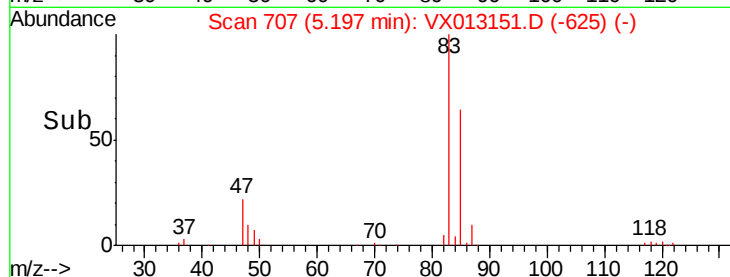
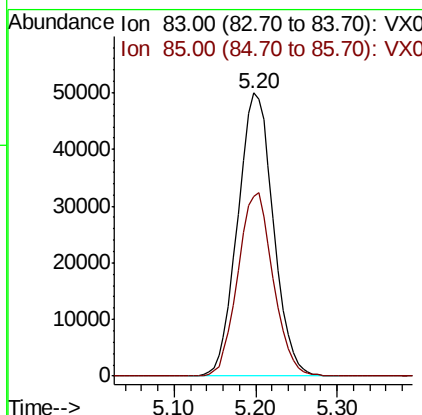
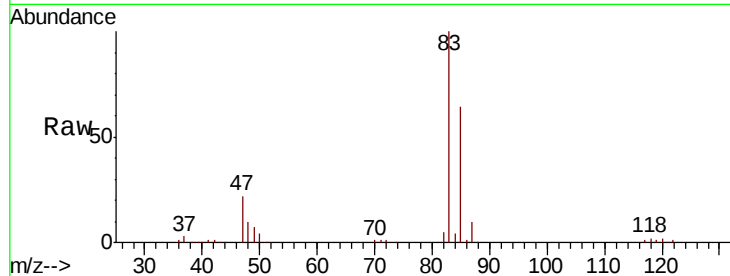




#25
Chloroform
Concen: 47.703 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

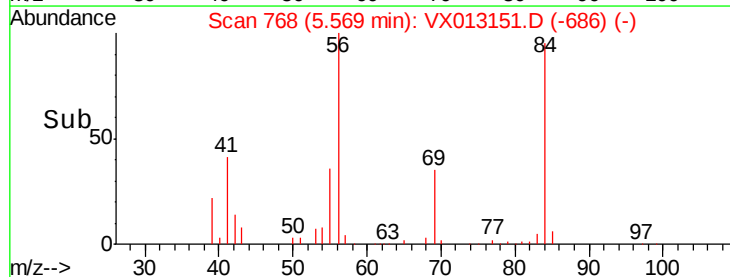
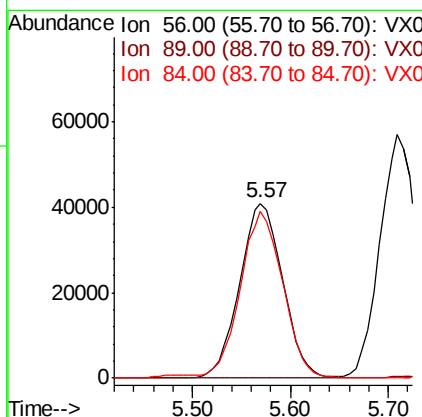
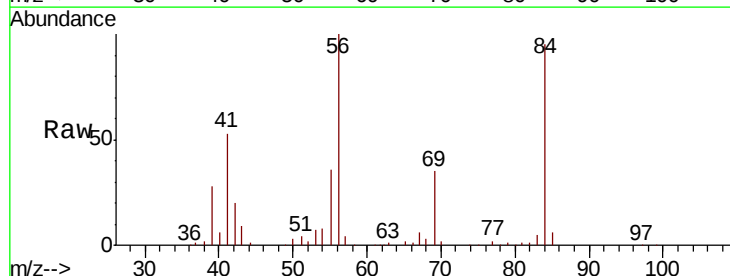
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

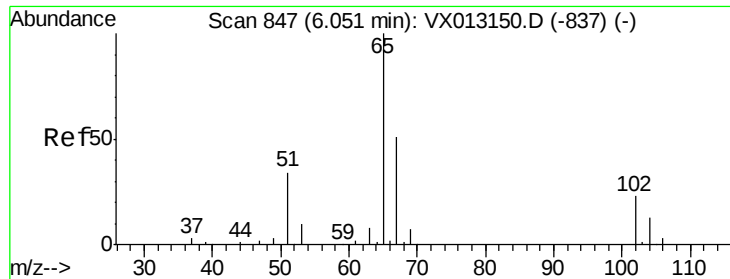
Tot Ion: 83 Resp: 151890
Ion Ratio Lower Upper
83 100
85 63.7 52.0 78.0



#26
Cyclohexane
Concen: 45.038 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion: 56 Resp: 124746
Ion Ratio Lower Upper
56 100
89 0.0 0.2 0.2#
84 94.1 74.0 111.0





#27

1,2-Dichloroethane-d4

Concen: 30.047 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

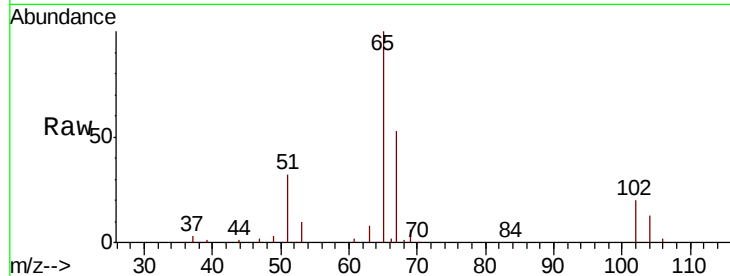
VSTDIC050

Tot Ion: 65 Resp: 62584

Ion Ratio Lower Upper

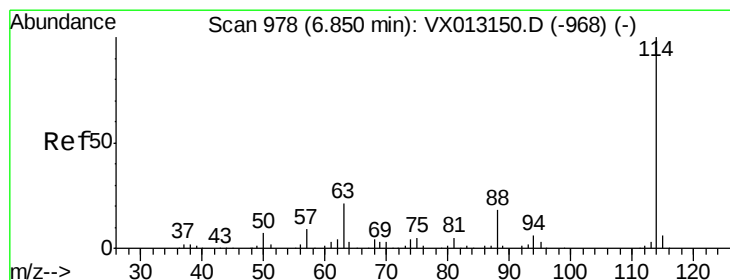
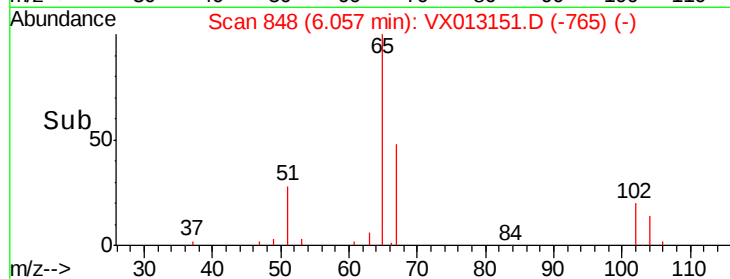
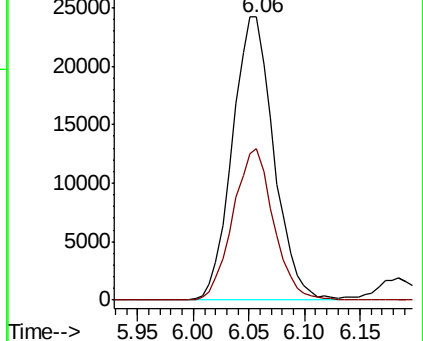
65 100

67 52.3 42.2 63.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

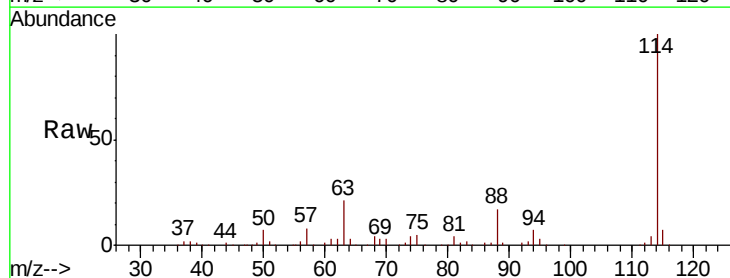
Tgt Ion: 114 Resp: 151879

Ion Ratio Lower Upper

114 100

63 20.7 16.1 24.1

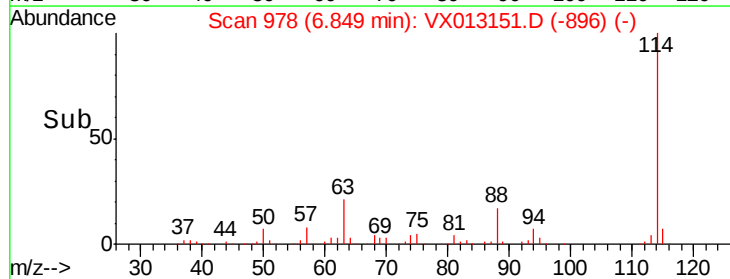
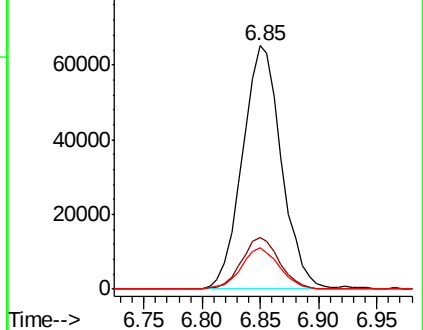
88 16.7 13.7 20.5

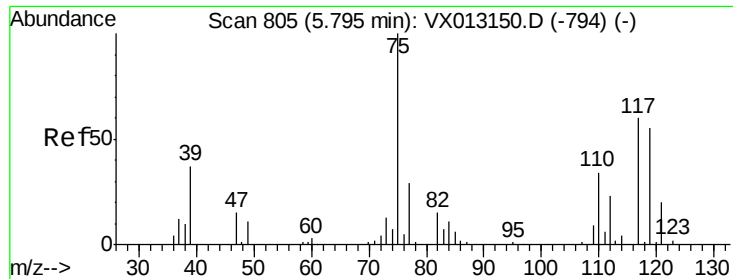


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

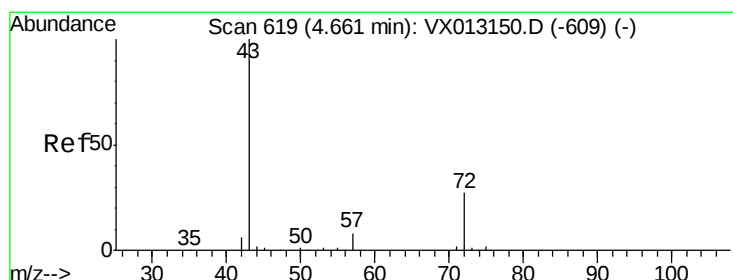
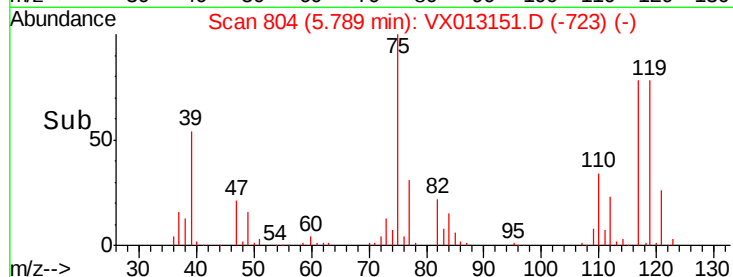
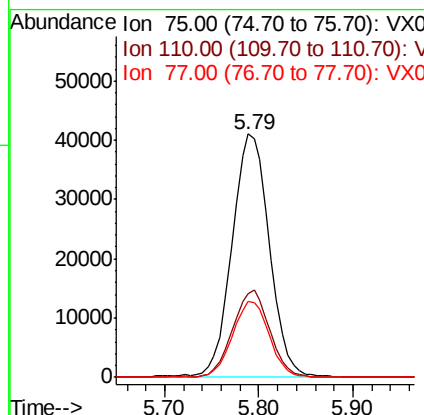
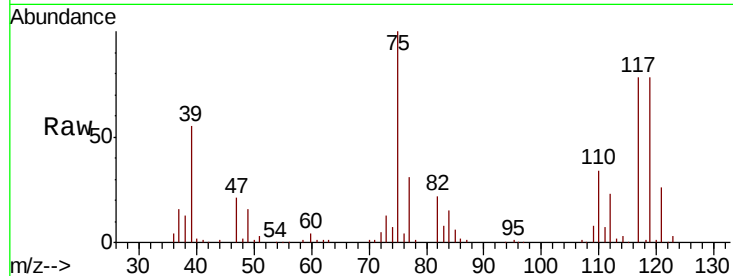




#29
 1,1-Dichloropropene
 Concen: 48.337 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

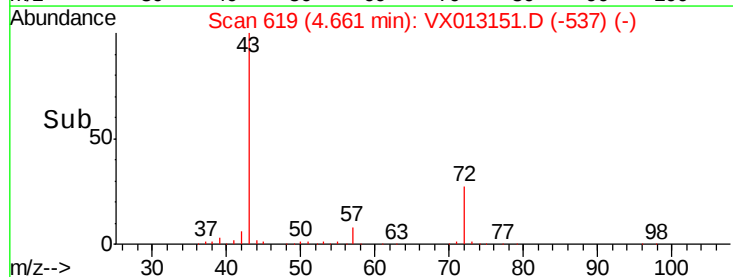
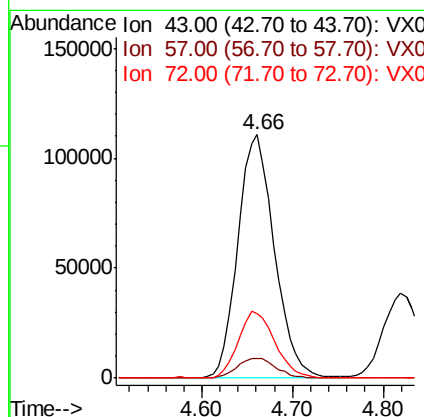
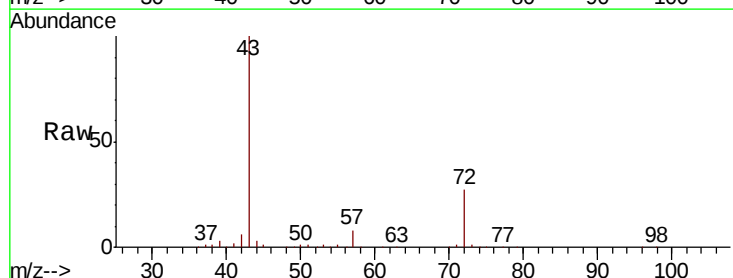
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC050

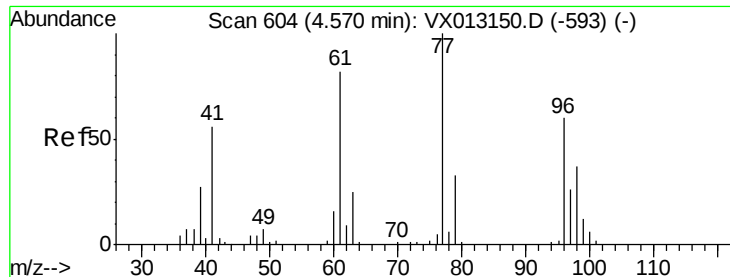
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.5	0.0	68.4
77	30.8	0.0	30.8



#30
 2-Butanone
 Concen: 229.758 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.6	7.0	10.6
72	27.4	23.4	35.2





#31

2,2-Dichloropropane

Concen: 49.563 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

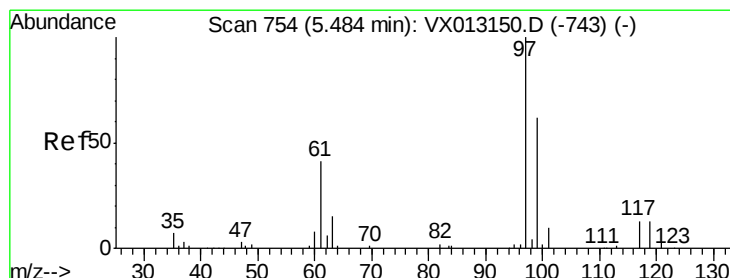
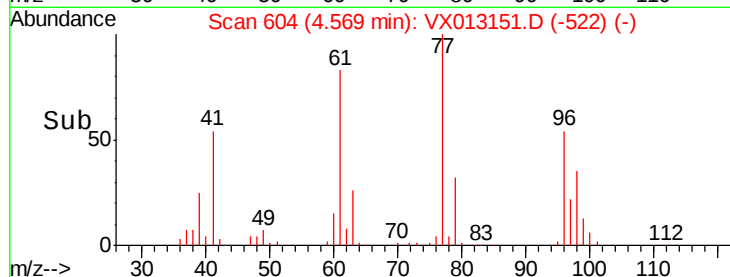
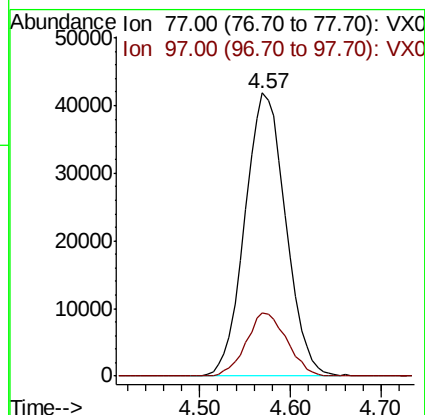
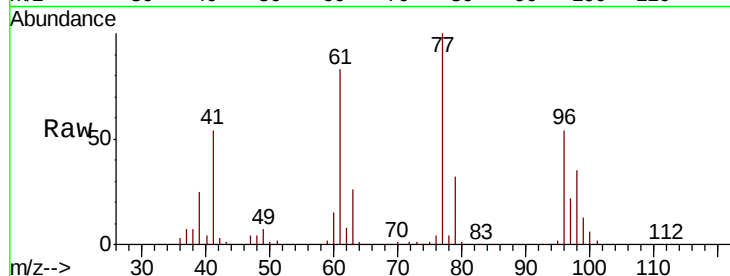
VSTDIC050

Tot Ion: 77 Resp: 130830

Ion Ratio Lower Upper

77 100

97 22.3 19.1 28.7



#32

1,1,1-Trichloroethane

Concen: 50.059 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

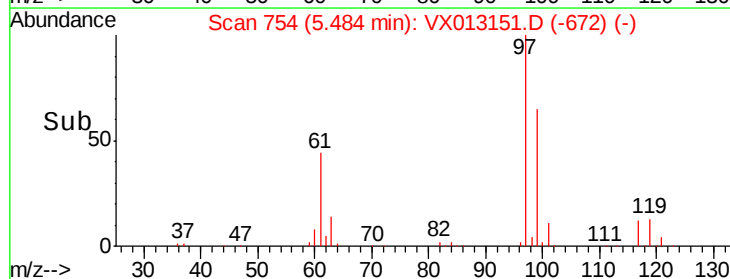
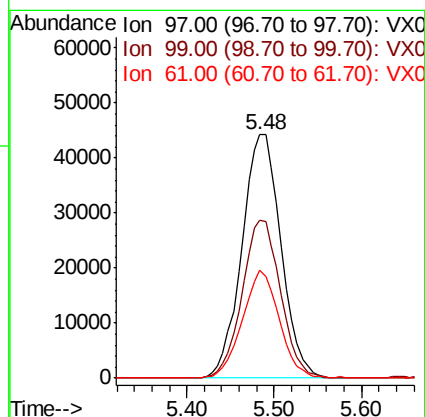
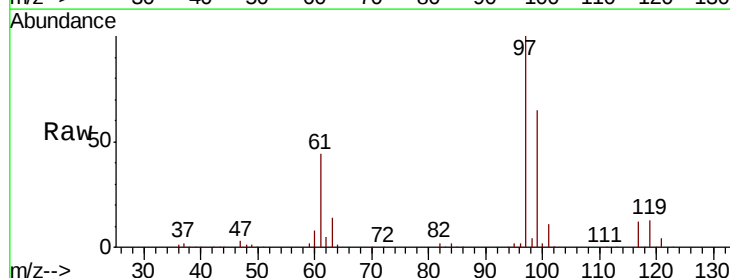
Tgt Ion: 97 Resp: 137780

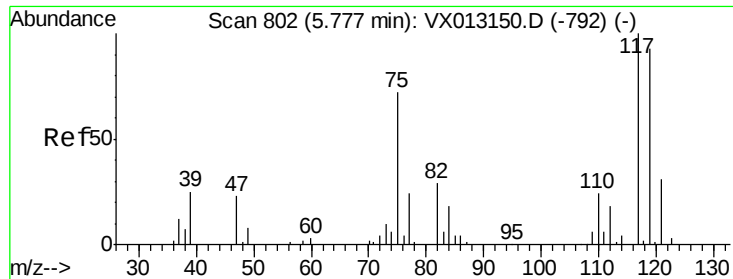
Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.8

61 41.7 33.5 50.3

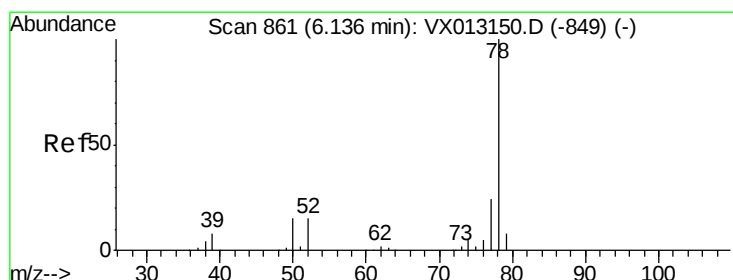
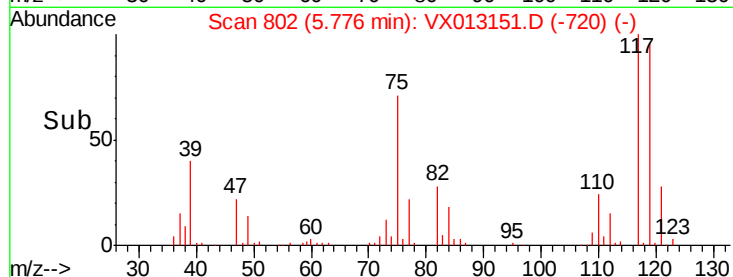
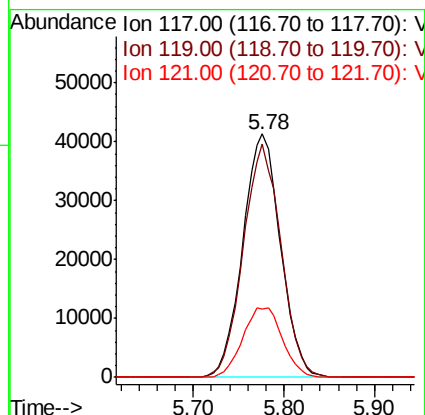
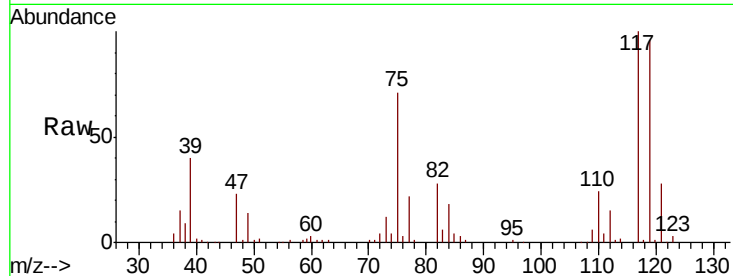




#33
Carbon Tetrachloride
Concen: 50.408 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

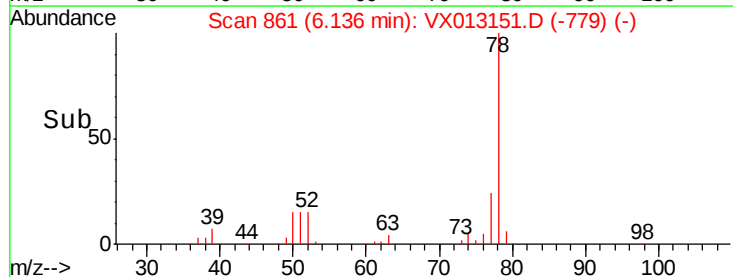
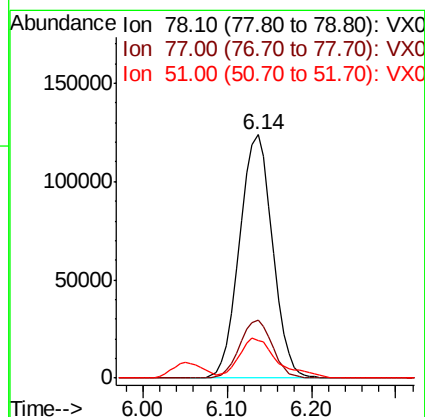
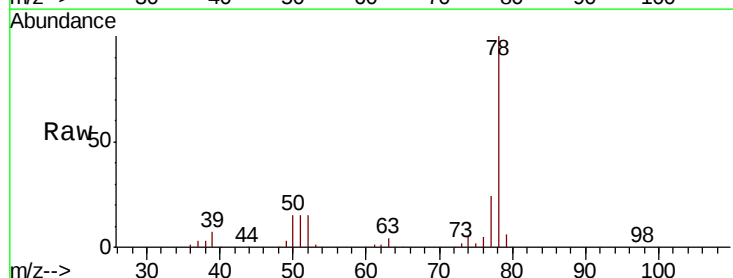
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

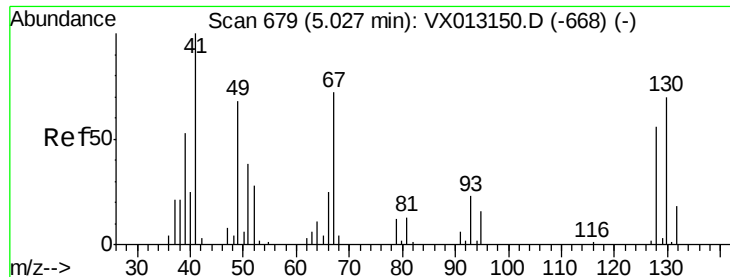
Tot Ion:117 Resp: 118994
Ion Ratio Lower Upper
117 100
119 95.8 74.9 112.3
121 28.1 25.0 37.4



#34
Benzene
Concen: 47.521 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion: 78 Resp: 327388
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9
51 15.3 11.4 17.2

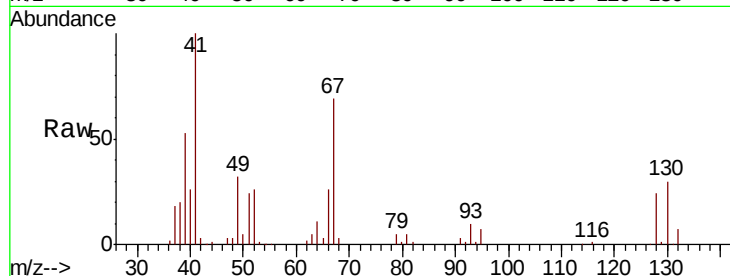




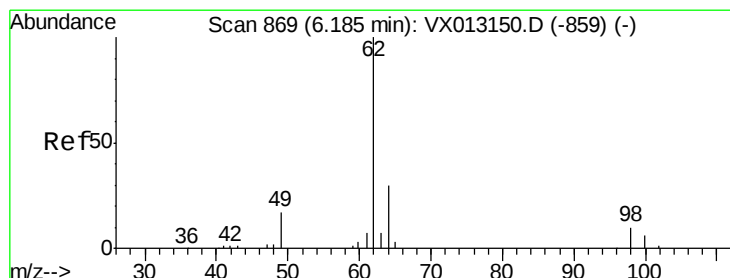
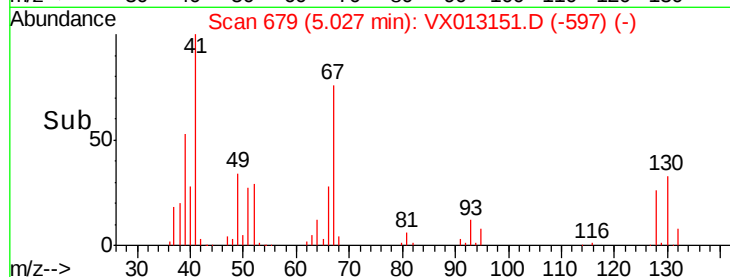
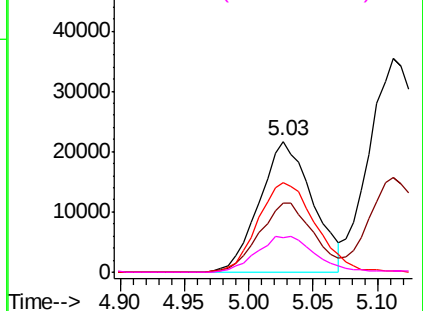
#35
Methacrylonitrile
Concen: 46.704 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion:	41	Resp:	62081
Ion	Ratio	Lower	Upper
41	100		
39	53.3	26.3	78.9
67	68.6	35.8	107.4
52	26.0	14.1	42.3

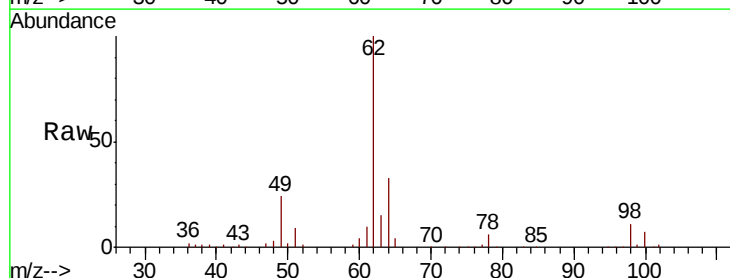


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

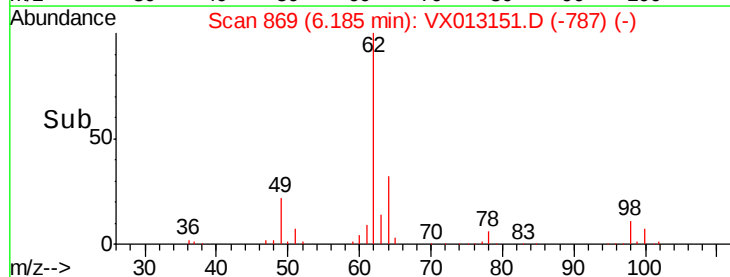
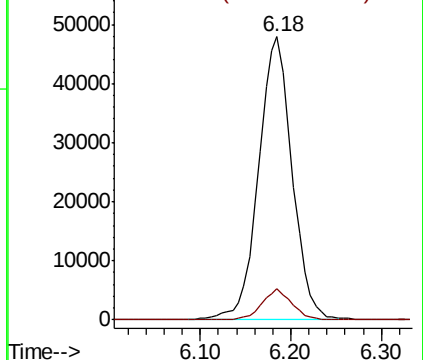


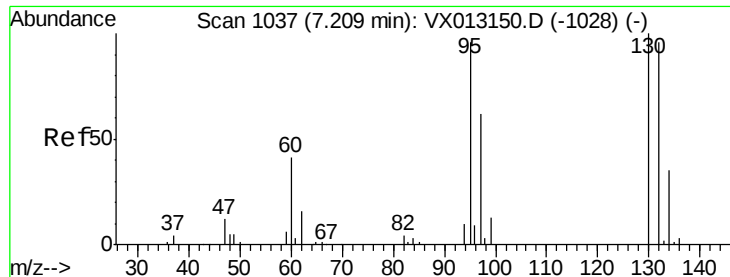
#36
1,2-Dichloroethane
Concen: 48.715 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion:	62	Resp:	122611
Ion	Ratio	Lower	Upper
62	100		
98	9.7	8.0	12.0



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

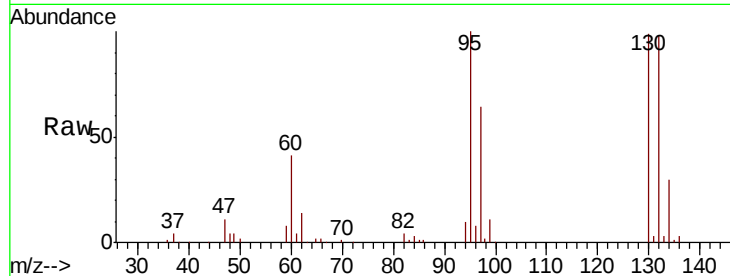




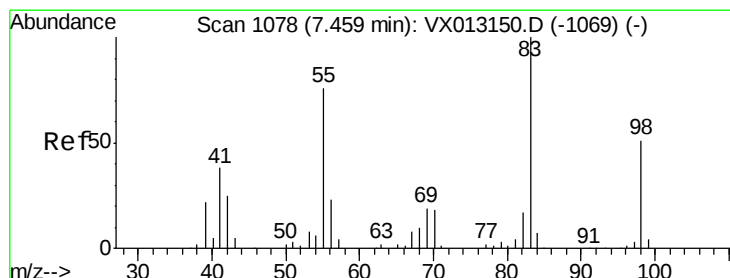
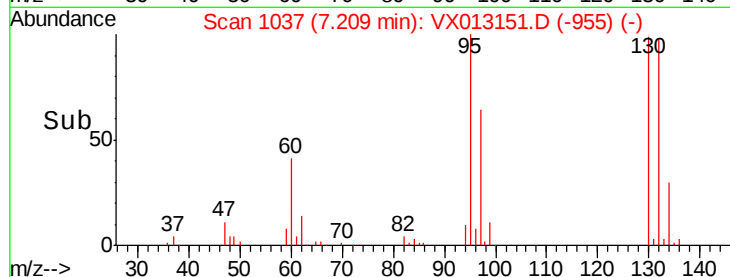
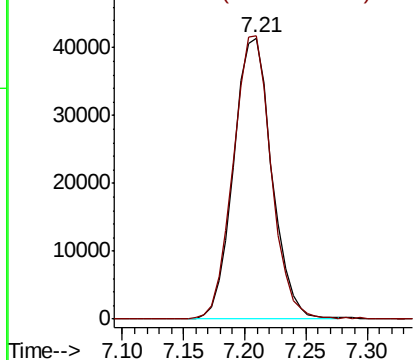
#37
 Trichloroethene
 Concen: 48.329 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 89773
 Ion Ratio Lower Upper
 130 100
 95 100.7 77.0 115.6

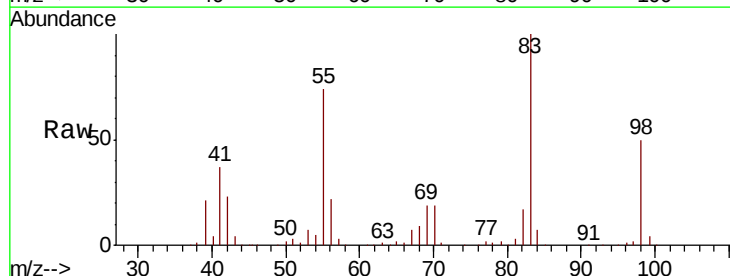


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

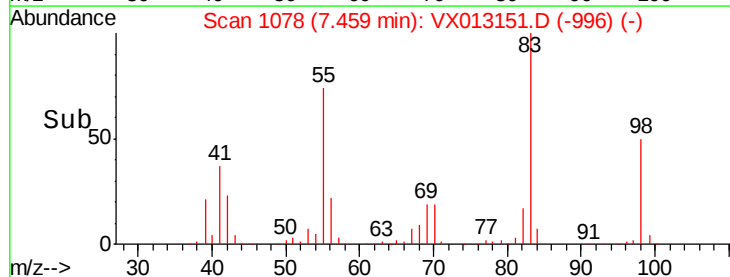
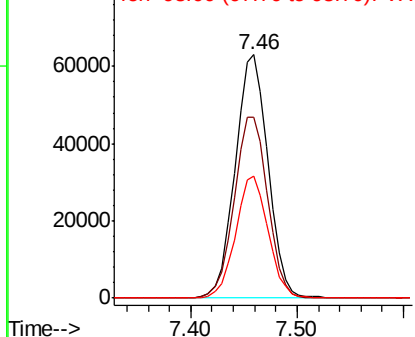


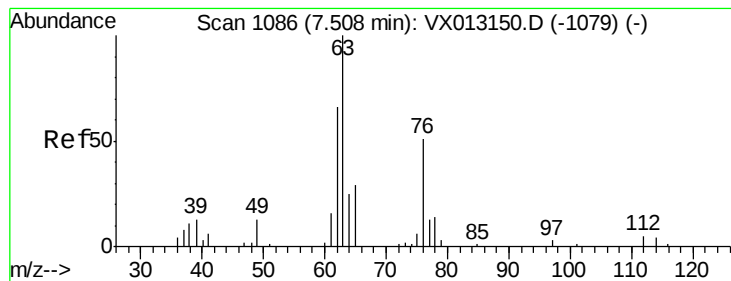
#38
 Methylcyclohexane
 Concen: 47.776 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

Tgt Ion: 83 Resp: 136435
 Ion Ratio Lower Upper
 83 100
 55 75.9 37.5 112.5
 98 49.8 25.4 76.0



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 46.639 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

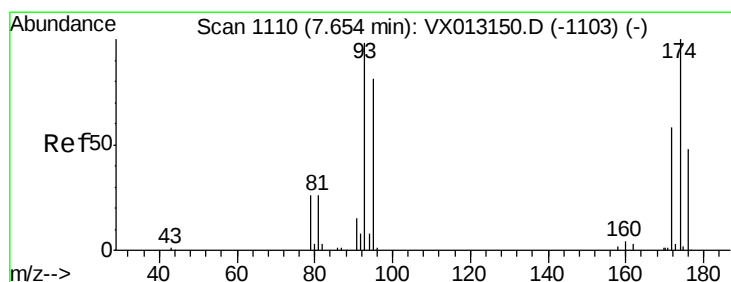
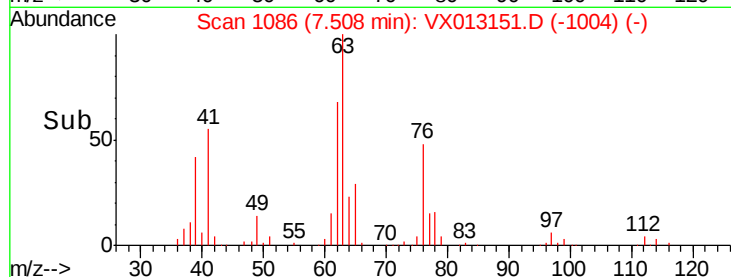
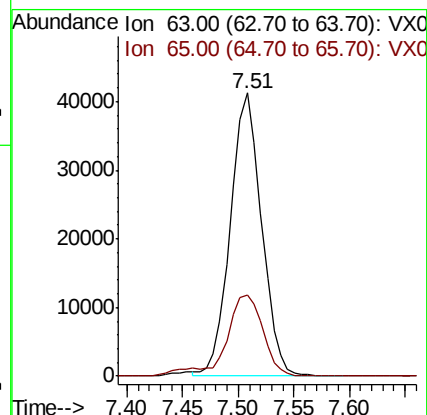
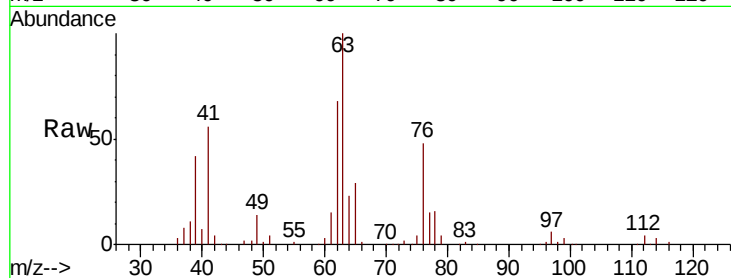
VSTDIC050

Tot Ion: 63 Resp: 80107

Ion Ratio Lower Upper

63 100

65 28.8 24.8 37.2



#40

Dibromomethane

Concen: 49.090 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

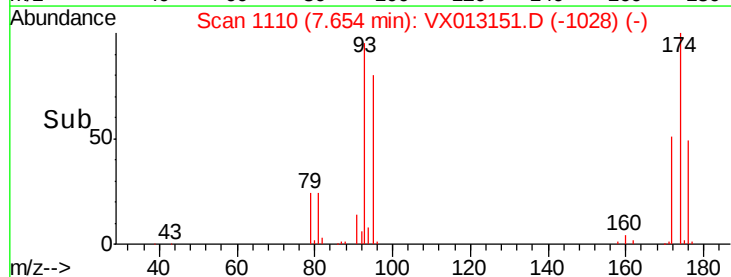
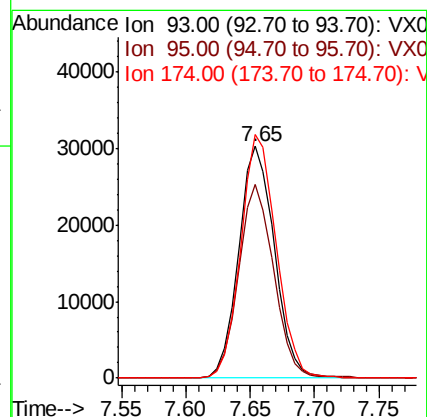
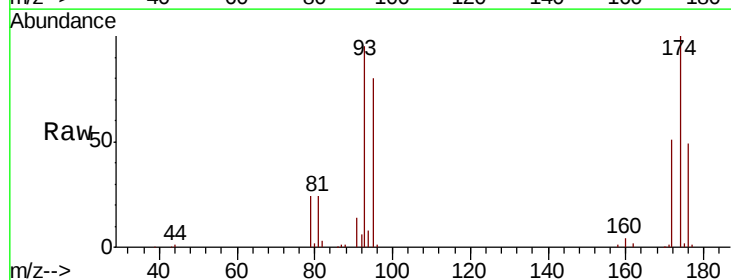
Tgt Ion: 93 Resp: 58299

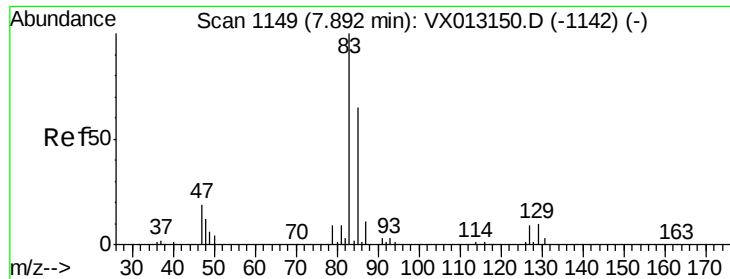
Ion Ratio Lower Upper

93 100

95 82.3 0.0 166.0

174 104.2 0.0 208.8





#41

Bromodichloromethane

Concen: 49.223 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

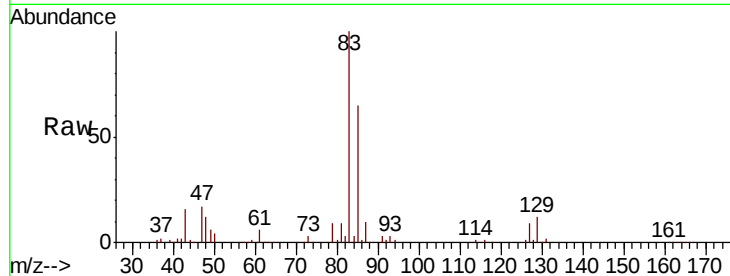
Tot Ion: 83 Resp: 116014

Ion Ratio Lower Upper

83 100

85 64.5 52.1 78.1

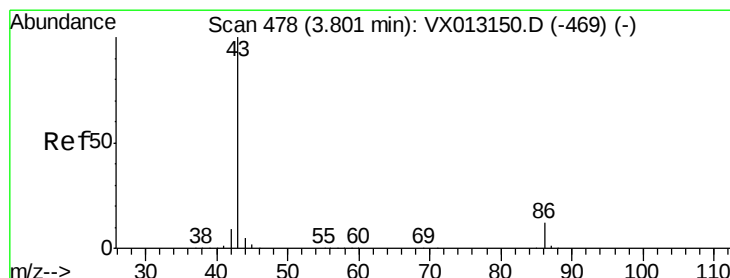
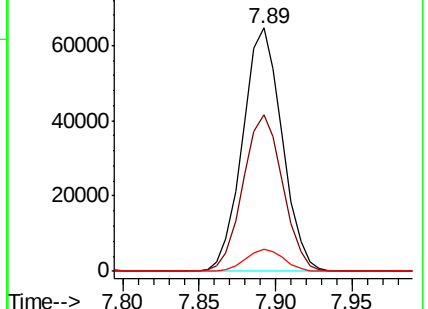
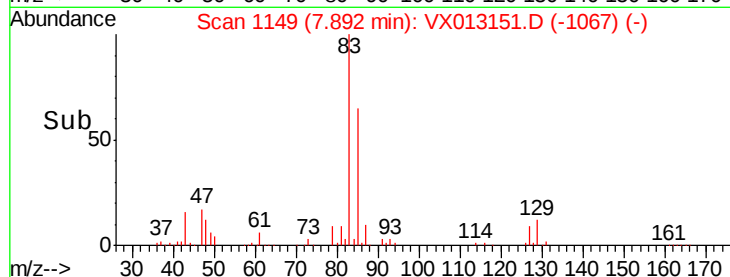
127 9.1 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 237.166 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013151.D

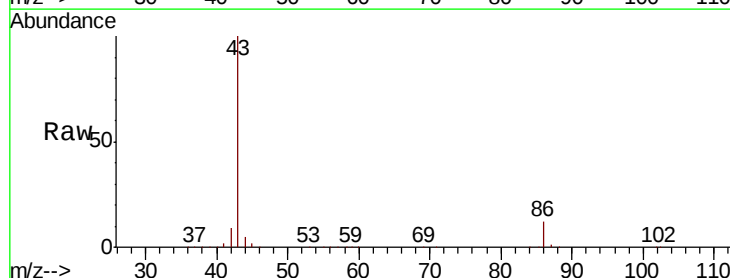
Acq: 21 Oct 2019 13:00

Tgt Ion: 43 Resp: 1056858

Ion Ratio Lower Upper

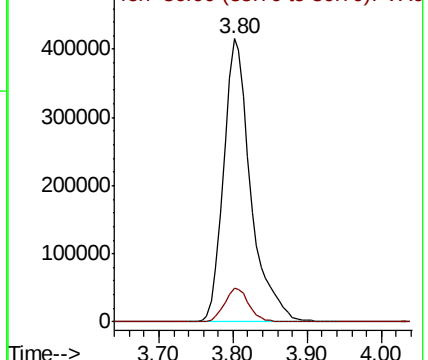
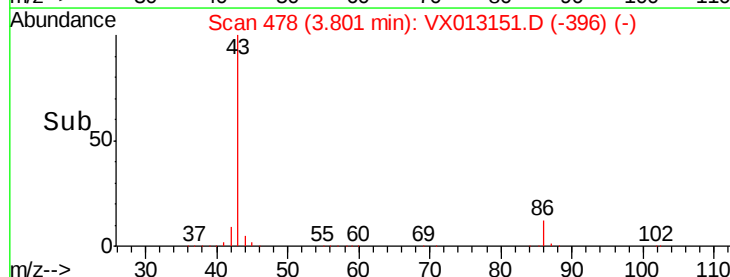
43 100

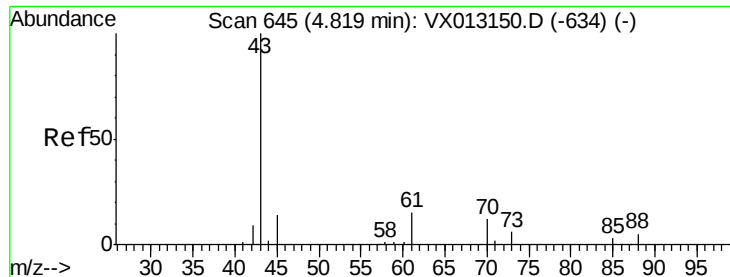
86 10.7 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 46.515 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

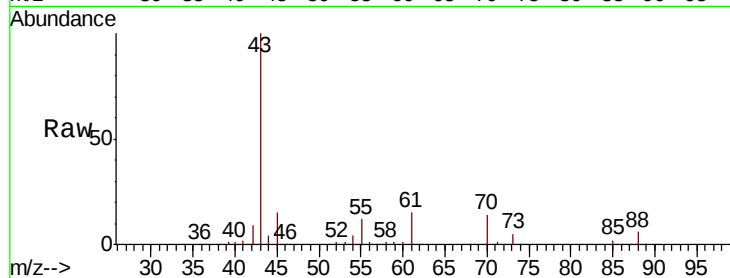
VSTDIC050

Tot Ion: 43 Resp: 113311

Ion Ratio Lower Upper

43 100

45 14.2 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

100000

80000

60000

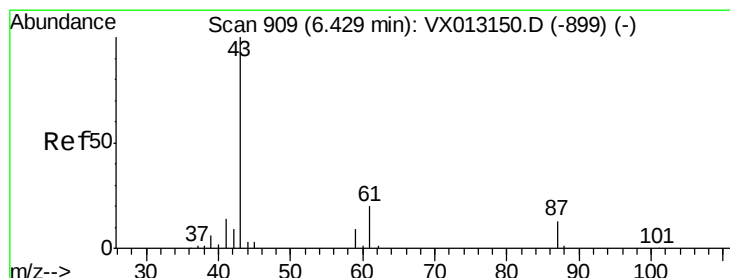
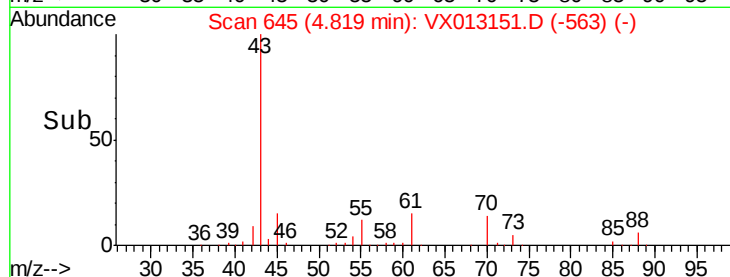
40000

20000

0

4.70 4.80 4.90

Time-->



#44

Isopropyl Acetate

Concen: 46.615 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX013151.D

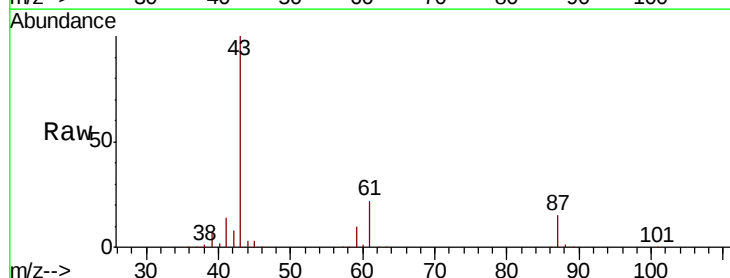
Acq: 21 Oct 2019 13:00

Tgt Ion: 43 Resp: 183633

Ion Ratio Lower Upper

43 100

61 21.7 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

80000

60000

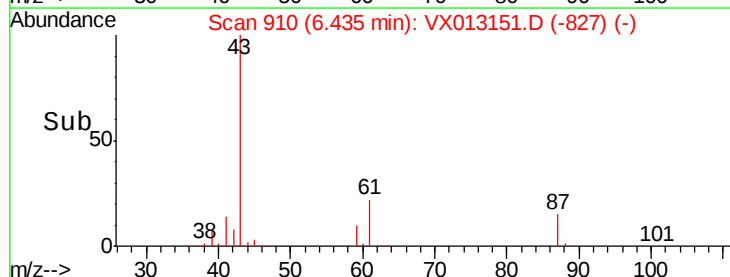
40000

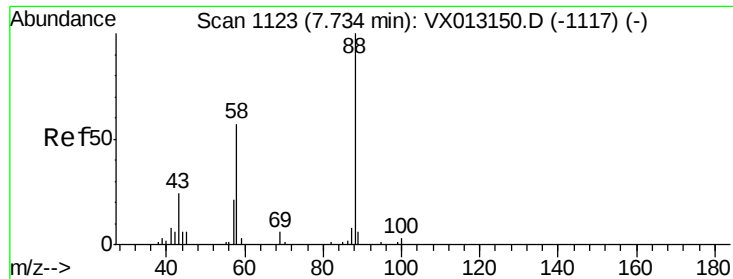
20000

0

6.30 6.40 6.50 6.60

Time-->

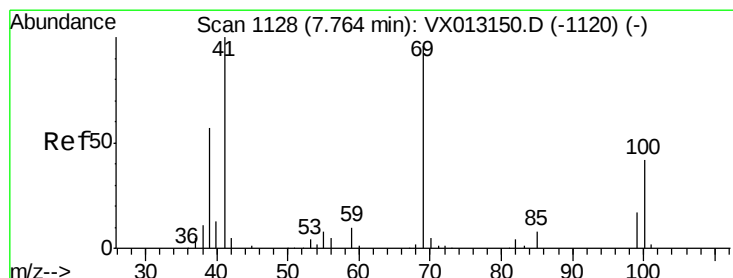
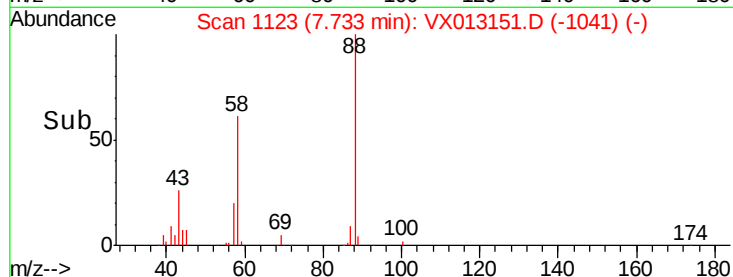
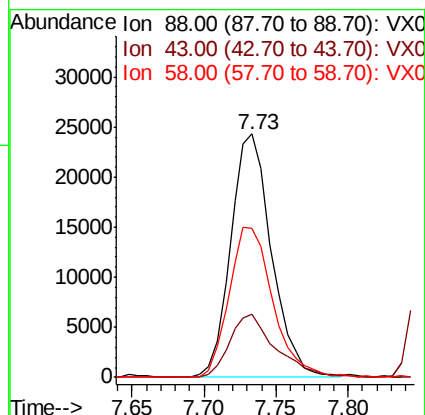
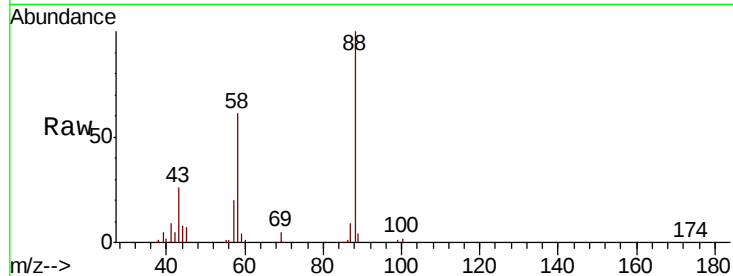




#45
1,4-Dioxane
Concen: 974.289 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

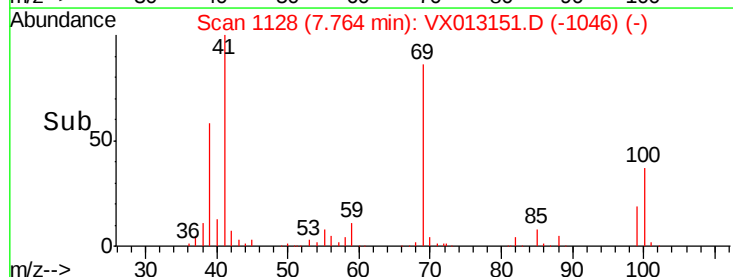
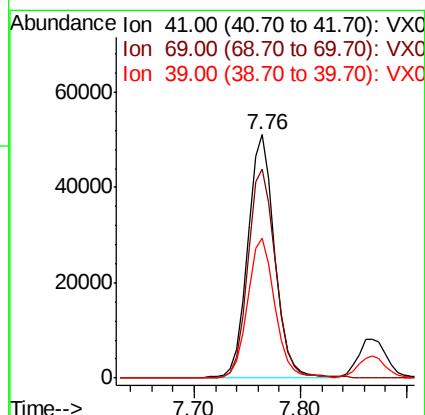
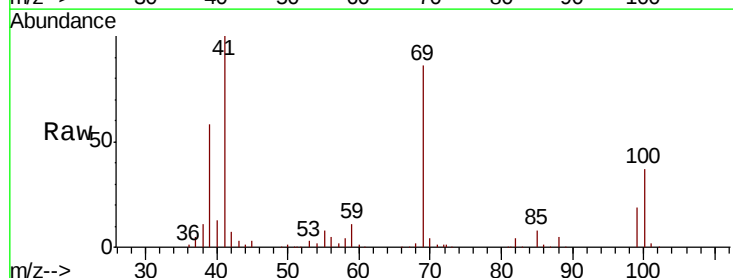
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

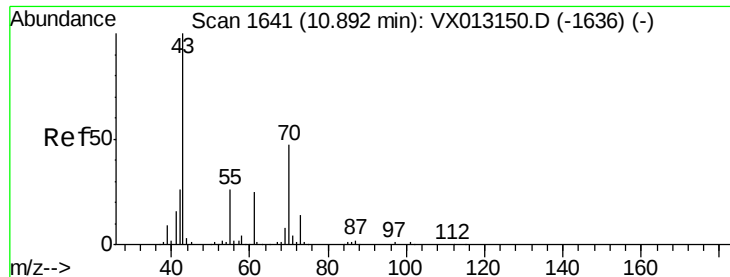
Tot Ion: 88 Resp: 47998
Ion Ratio Lower Upper
88 100
43 29.5 24.0 36.0
58 66.4 52.8 79.2



#46
Methyl methacrylate
Concen: 46.768 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion: 41 Resp: 90798
Ion Ratio Lower Upper
41 100
69 85.7 47.8 143.3
39 57.6 28.5 85.5





#47

n-amvl Acetate

Concen: 45.942 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampled :

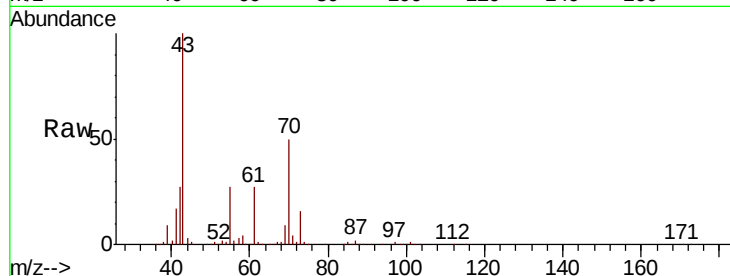
VSTDIC050

Tot Ion: 43 Resp: 154232

Ion Ratio Lower Upper

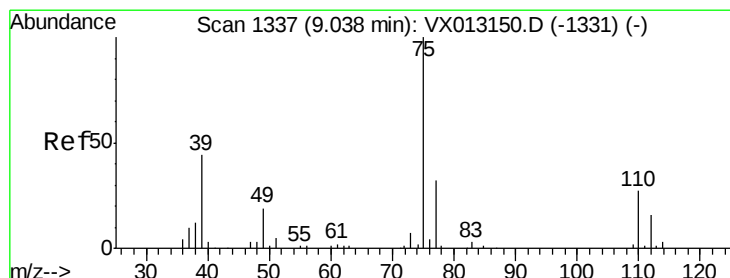
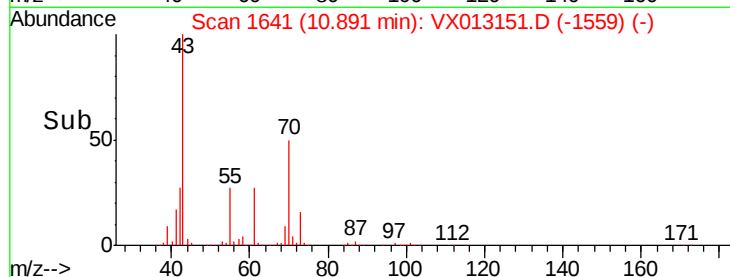
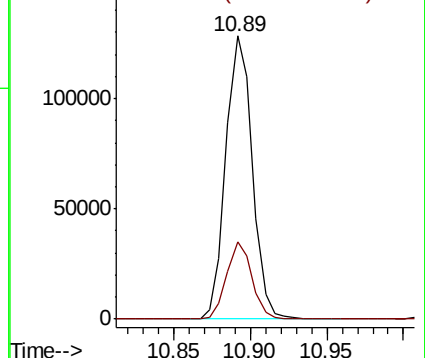
43 100

55 26.2 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 49.648 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013151.D

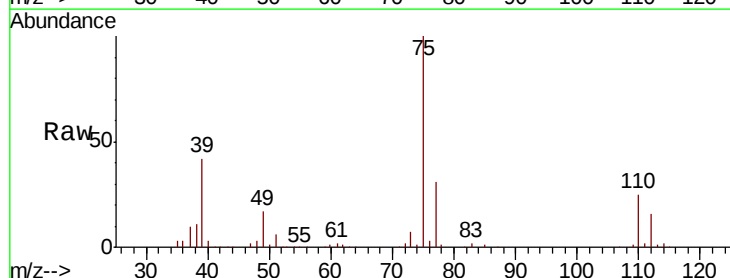
Acq: 21 Oct 2019 13:00

Tgt Ion: 75 Resp: 129337

Ion Ratio Lower Upper

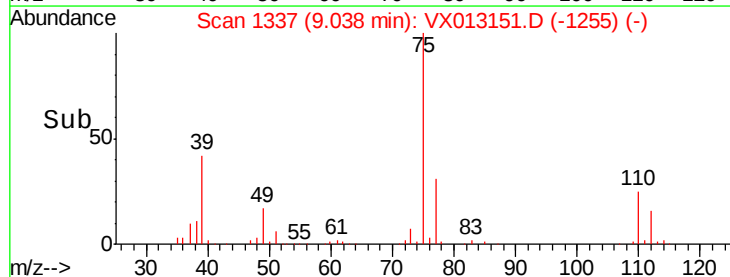
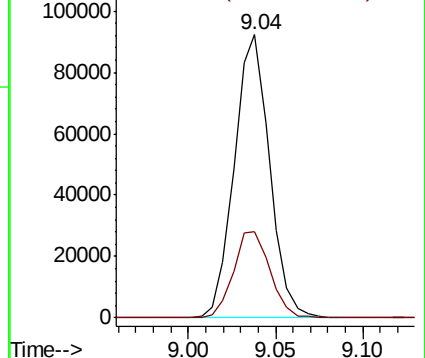
75 100

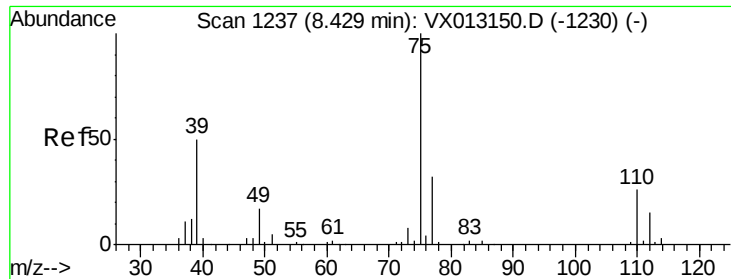
77 30.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

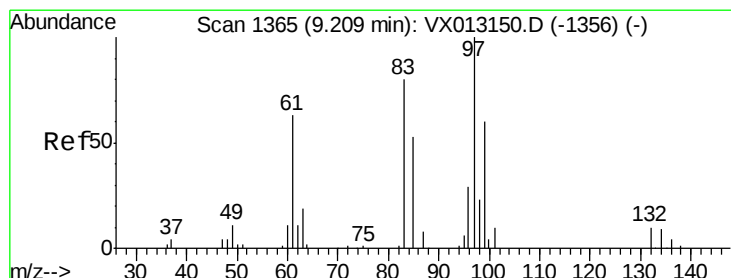
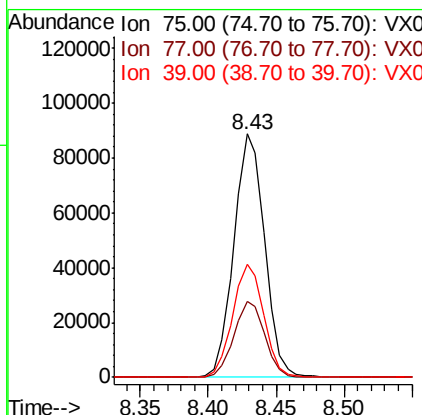
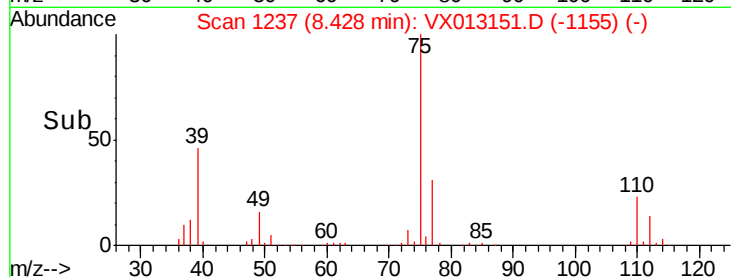
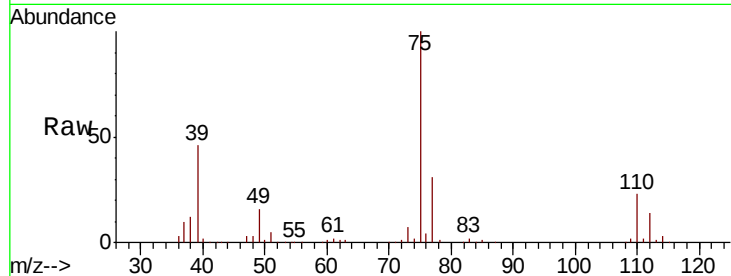




#49
 cis-1,3-Dichloropropene
 Concen: 48.915 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

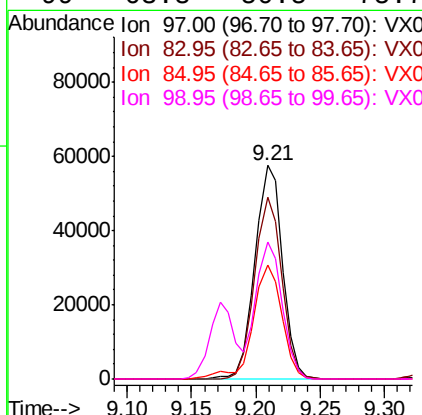
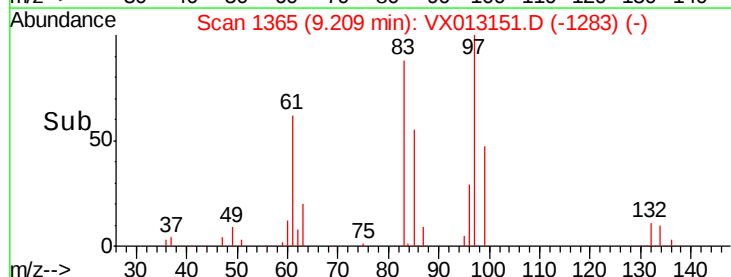
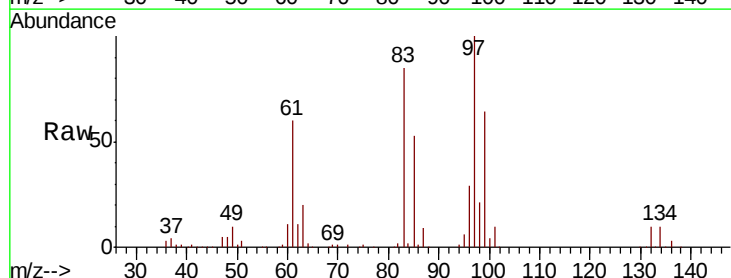
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

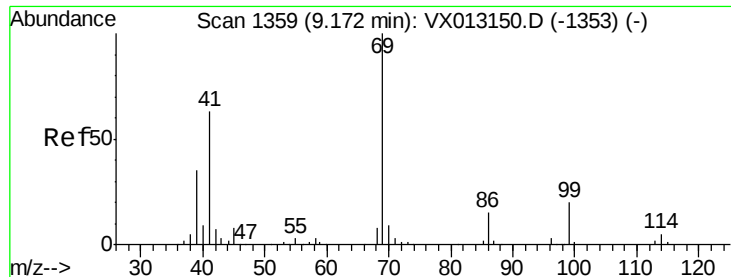
Tot Ion: 75 Resp: 140039
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.8 38.8
 39 46.2 39.7 59.5



#50
 1,1,2-Trichloroethane
 Concen: 47.537 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

Tgt Ion: 97 Resp: 84694
 Ion Ratio Lower Upper
 97 100
 83 85.0 64.2 96.4
 85 53.3 42.7 64.1
 99 63.8 50.5 75.7





#51

Ethyl methacrylate

Concen: 48.596 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

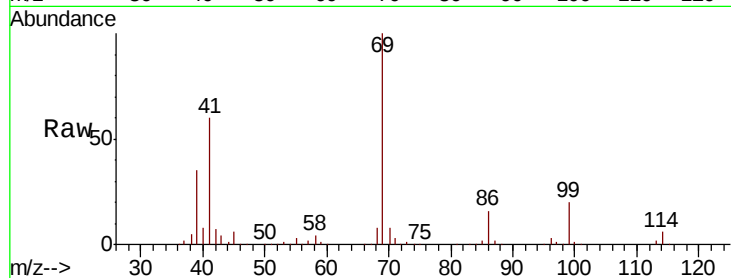
Tot Ion: 69 Resp: 135983

Ion Ratio Lower Upper

69 100

41 60.4 31.6 95.0

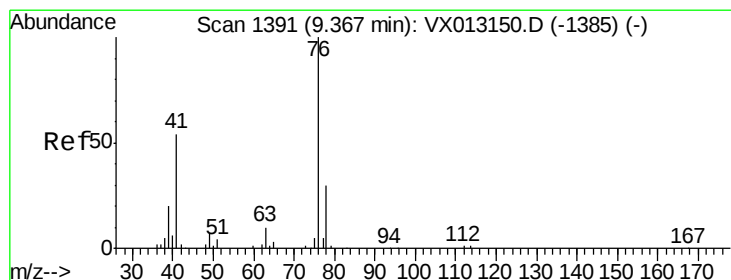
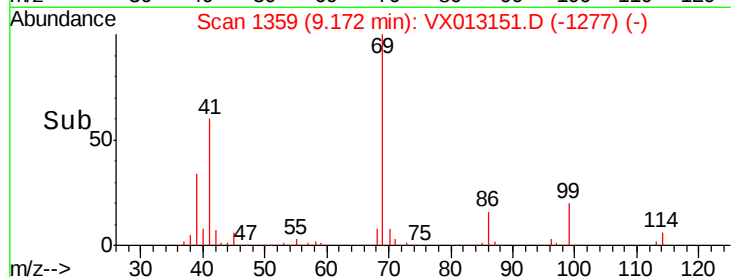
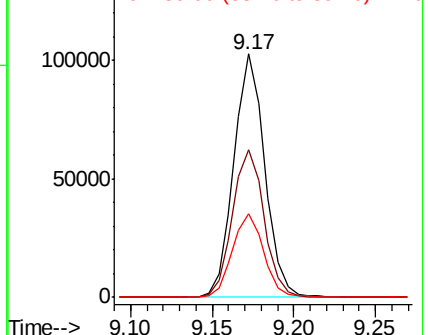
39 34.5 17.7 53.1



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



#52

1,3-Dichloropropane

Concen: 47.945 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013151.D

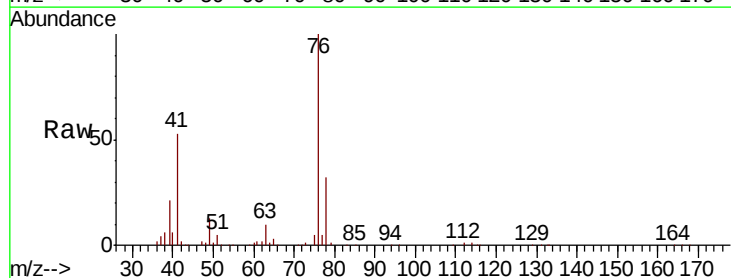
Acq: 21 Oct 2019 13:00

Tgt Ion: 76 Resp: 142966

Ion Ratio Lower Upper

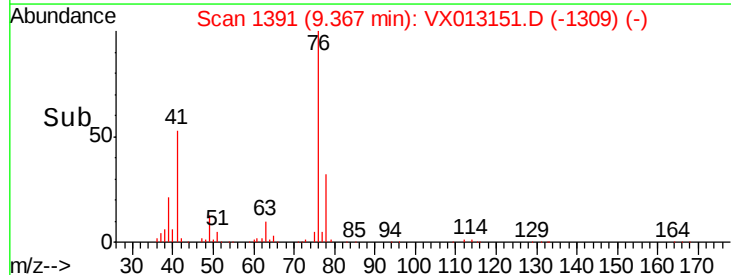
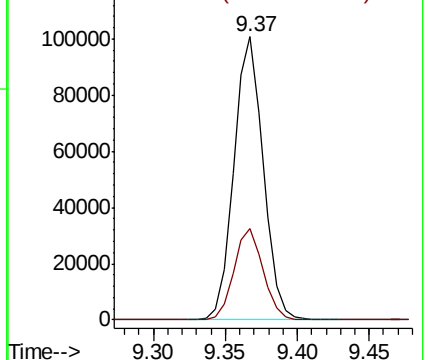
76 100

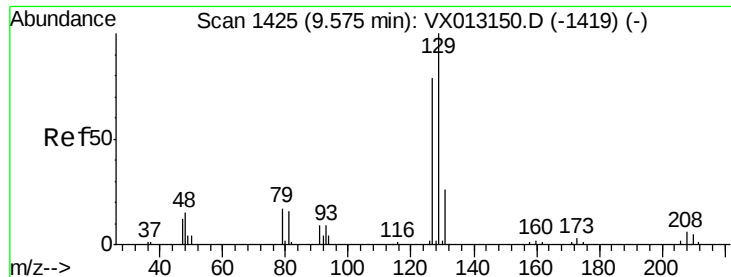
78 32.3 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 51.012 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

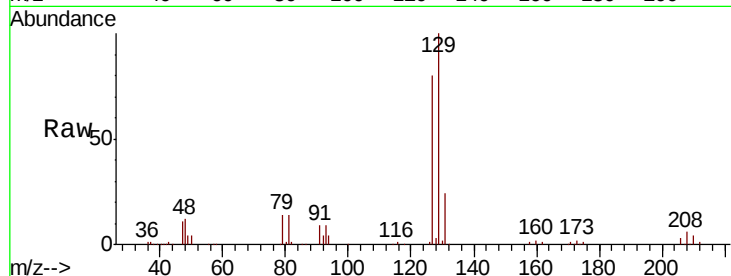
VSTDIC050

Tot Ion:129 Resp: 93930

Ion Ratio Lower Upper

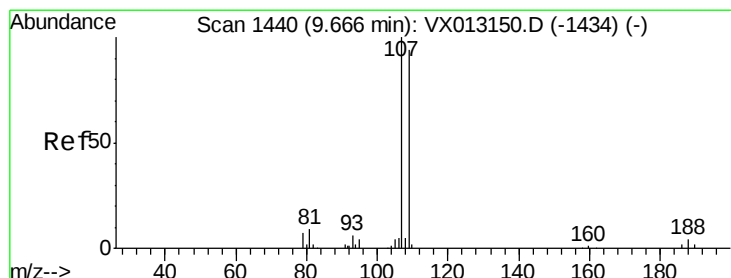
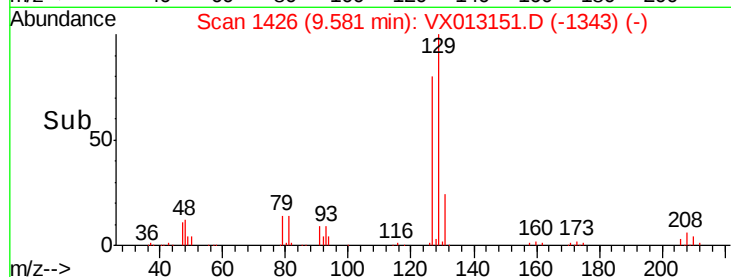
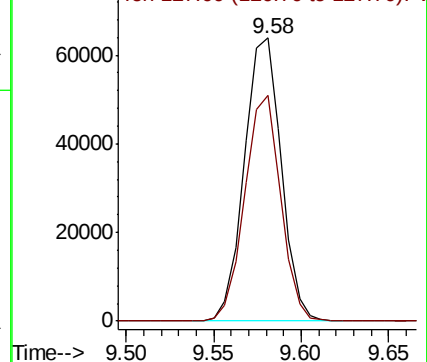
129 100

127 77.7 39.4 118.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 48.792 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013151.D

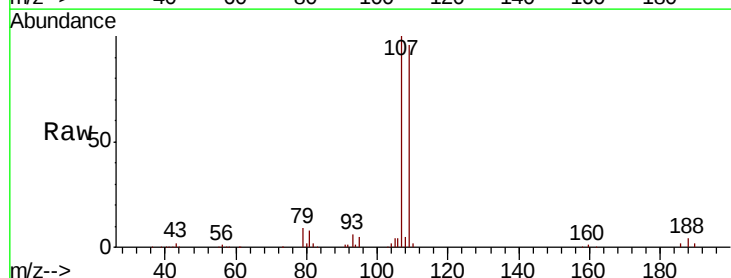
Acq: 21 Oct 2019 13:00

Tgt Ion:107 Resp: 91360

Ion Ratio Lower Upper

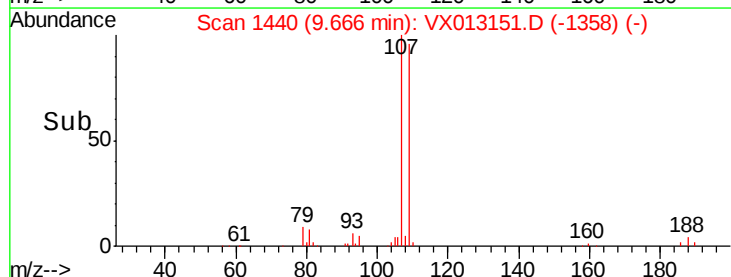
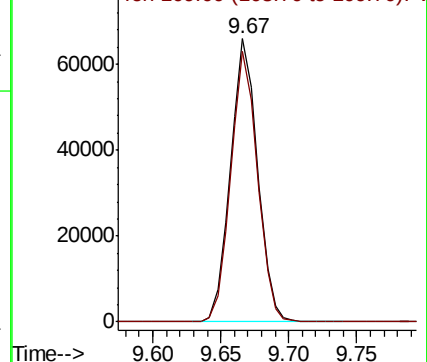
107 100

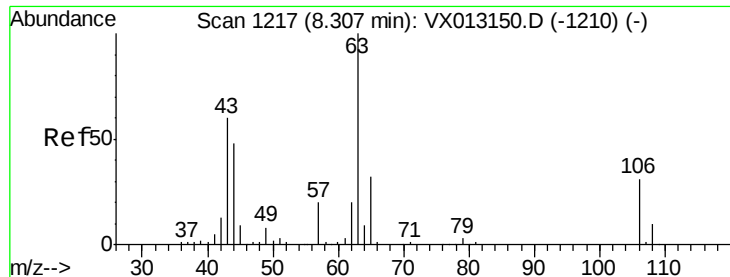
109 94.1 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

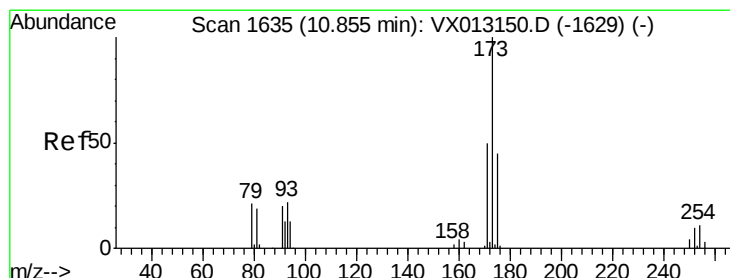
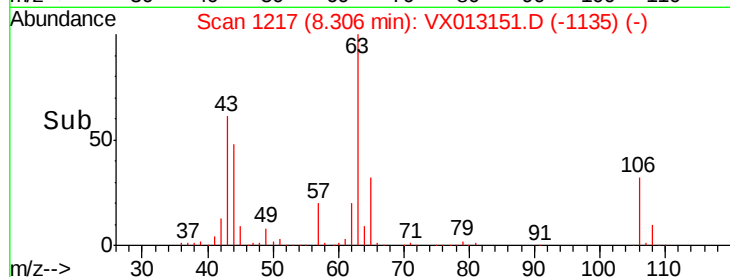
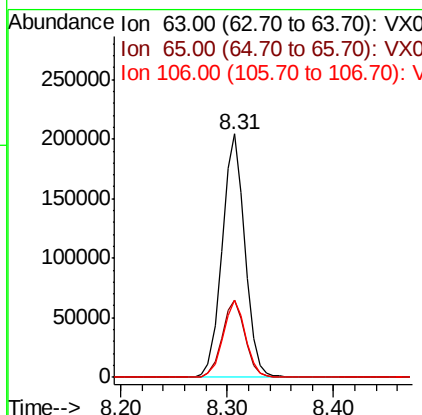
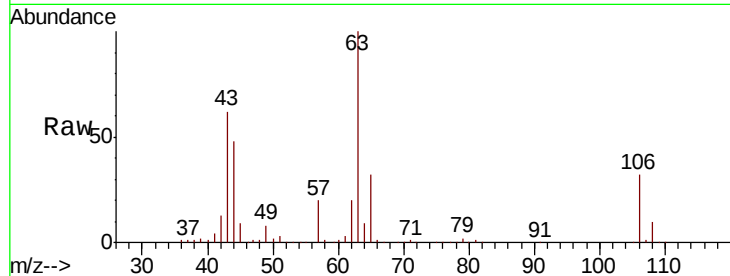




#55
2-Chloroethyl vinyl ether
Concen: 252.971 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

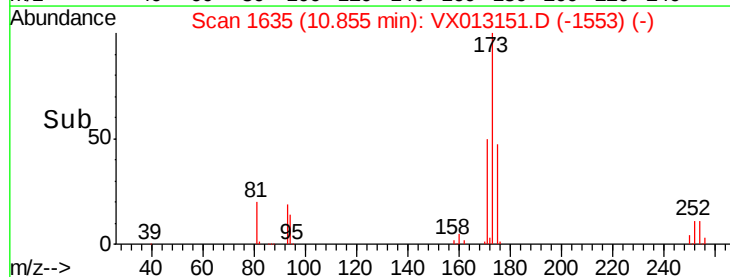
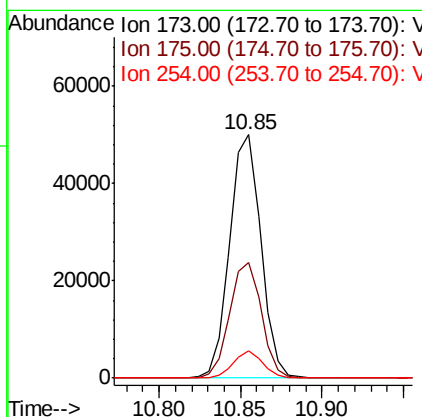
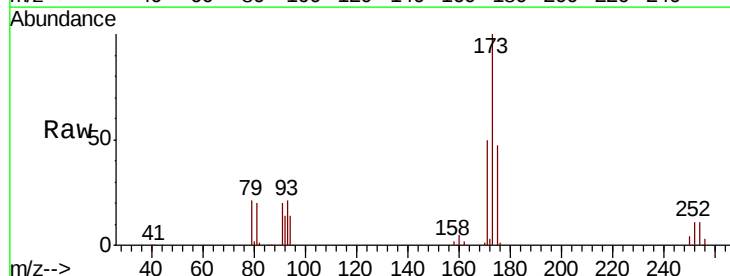
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

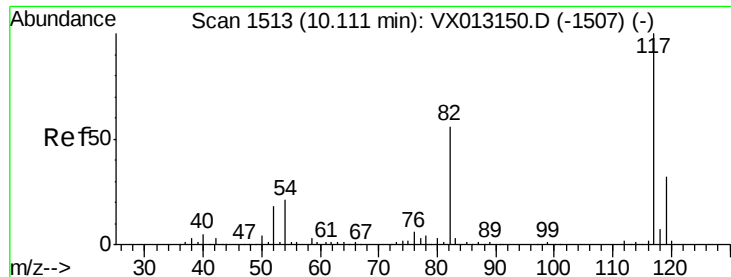
Tot Ion: 63 Resp: 304539
Ion Ratio Lower Upper
63 100
65 31.7 25.5 38.3
106 31.0 24.8 37.2



#56
Bromoform
Concen: 52.133 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion: 173 Resp: 66975
Ion Ratio Lower Upper
173 100
175 47.9 39.0 58.4
254 10.8 8.1 12.1

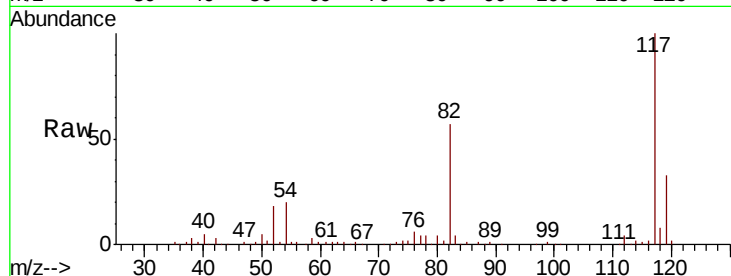




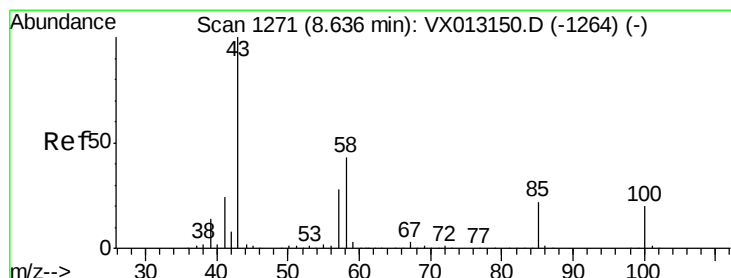
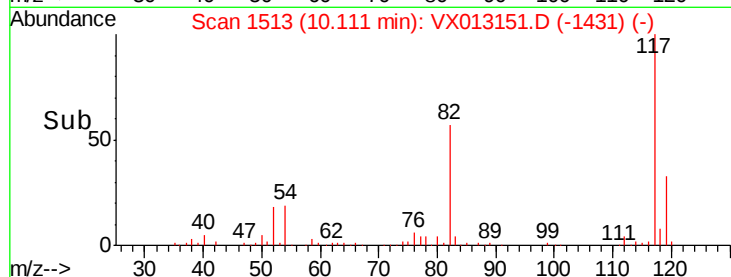
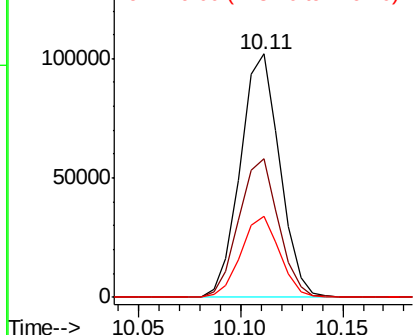
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:117 Resp: 137384
Ion Ratio Lower Upper
117 100
82 57.0 46.0 69.0
119 32.7 25.4 38.0

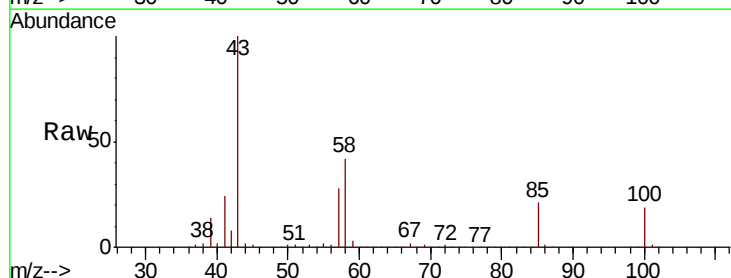


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

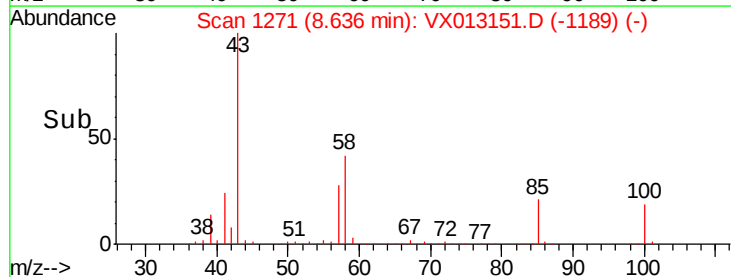
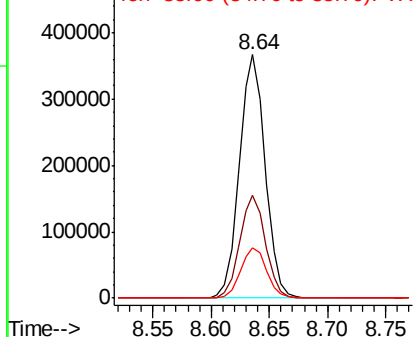


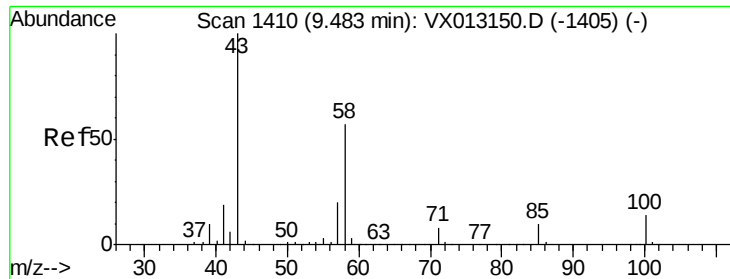
#58
4-Methyl-2-Pentanone
Concen: 228.795 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion: 43 Resp: 566469
Ion Ratio Lower Upper
43 100
58 42.0 33.8 50.8
85 20.9 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

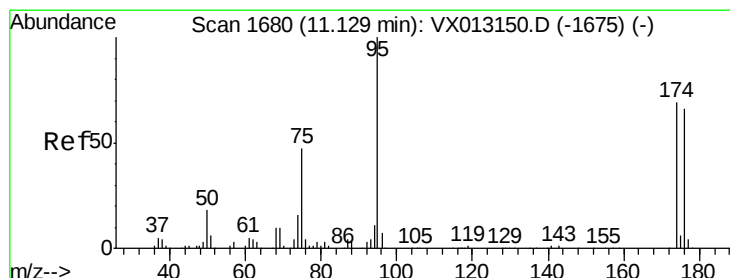
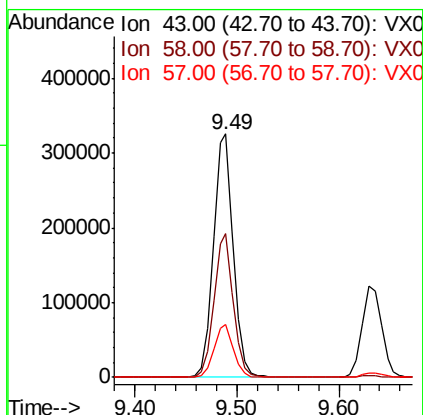
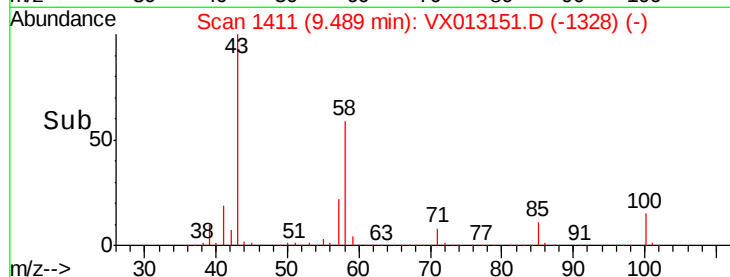
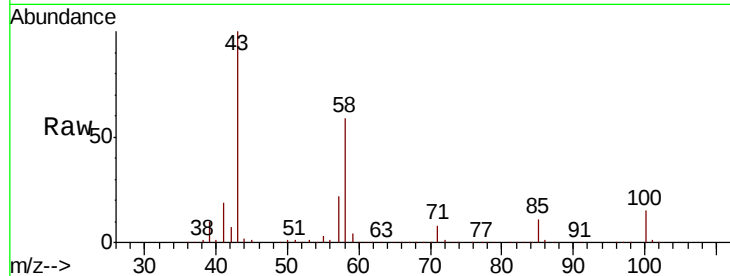




#59
2-Hexanone
Concen: 231.646 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

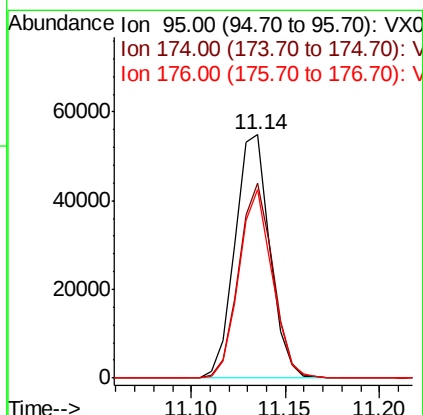
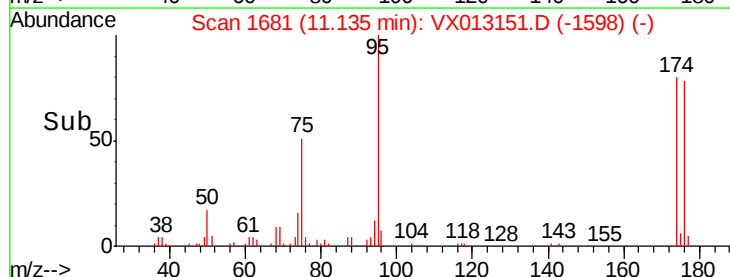
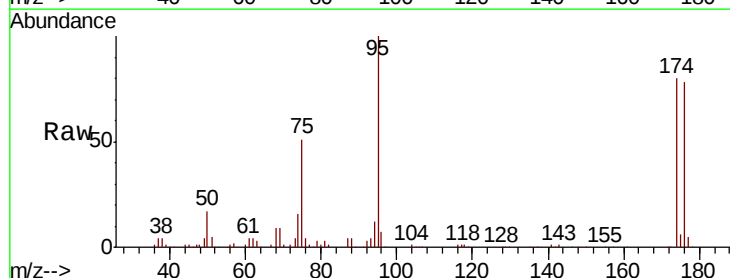
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

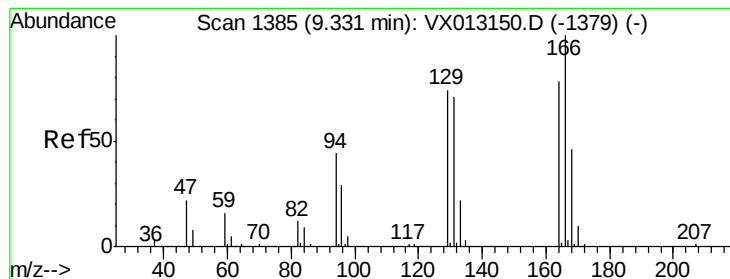
Tot Ion: 43 Resp: 446684
Ion Ratio Lower Upper
43 100
58 57.2 46.6 69.8
57 21.2 16.9 25.3



#60
4-Bromofluorobenzene
Concen: 29.394 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion: 95 Resp: 70664
Ion Ratio Lower Upper
95 100
174 77.9 60.0 90.0
176 74.0 58.5 87.7





#61

Tetrachloroethene

Concen: 50.466 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 89004

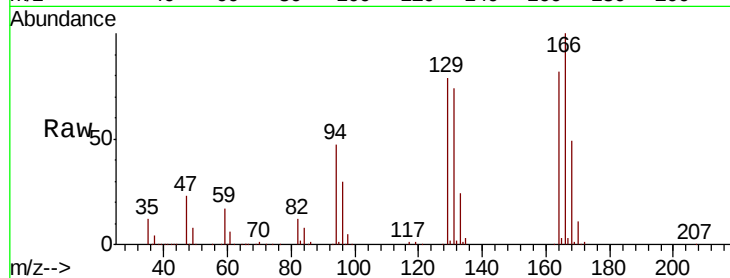
Ion Ratio Lower Upper

164 100

166 121.5 102.6 153.8

129 96.2 75.7 113.5

131 89.7 72.4 108.6

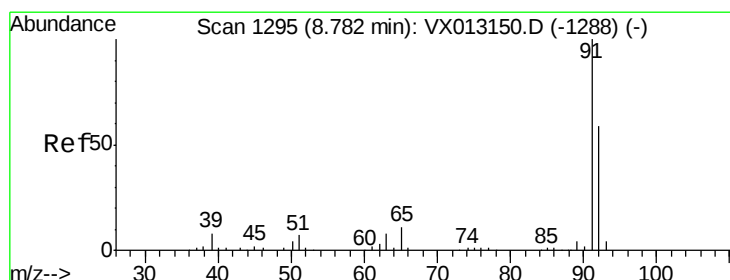
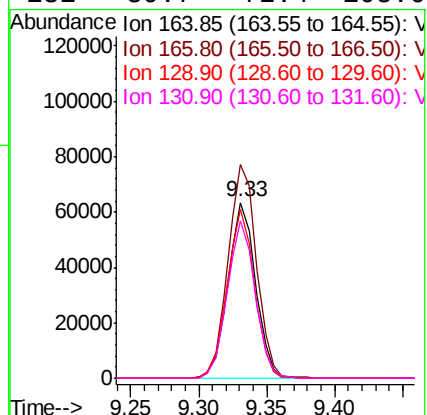
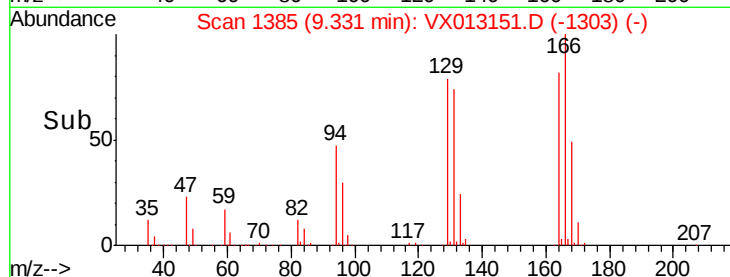


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 48.007 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013151.D

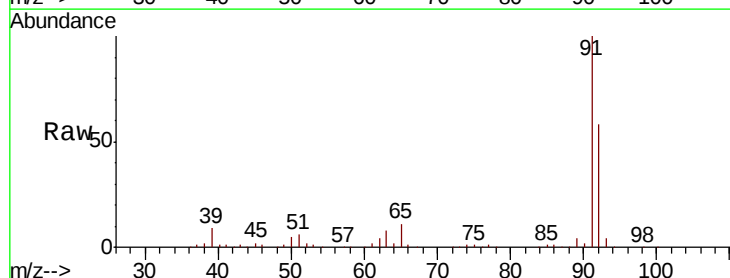
Acq: 21 Oct 2019 13:00

Tgt Ion: 91 Resp: 358570

Ion Ratio Lower Upper

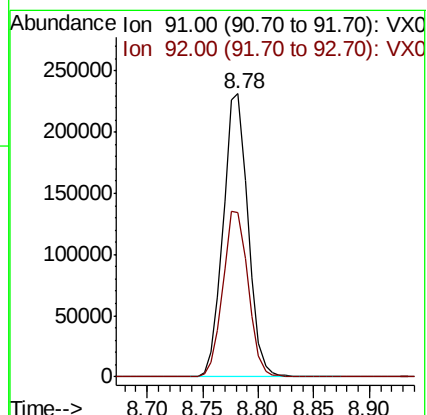
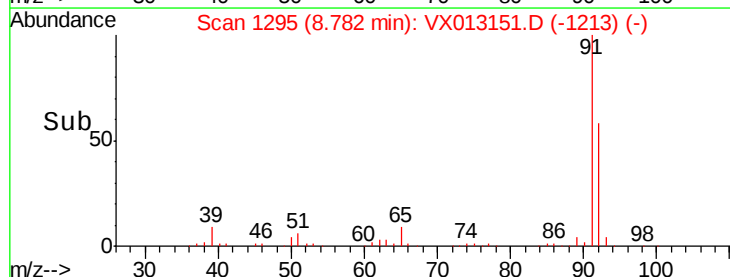
91 100

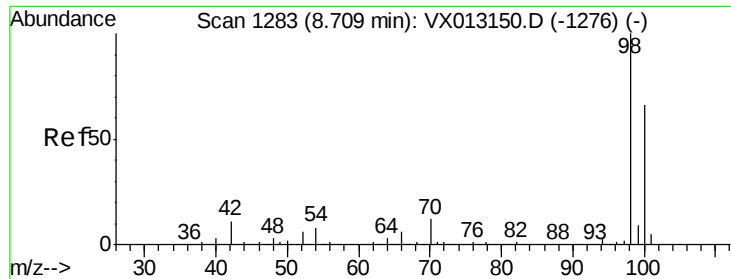
92 59.5 47.7 71.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

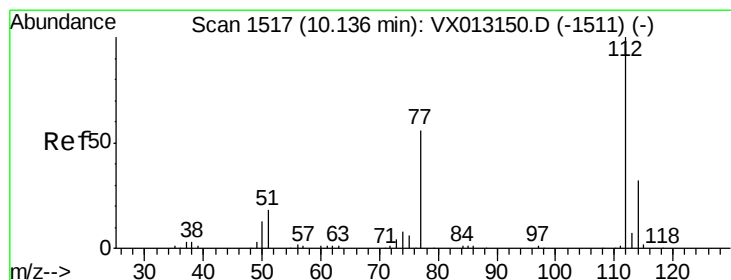
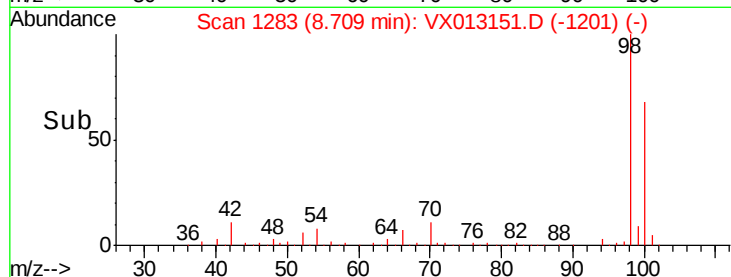
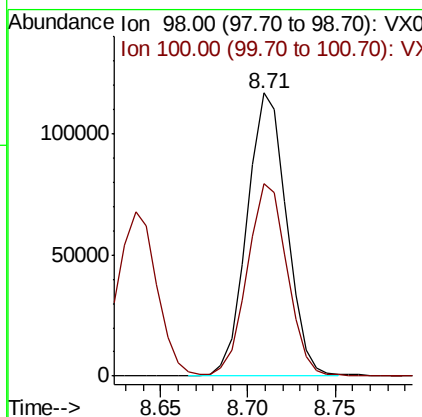
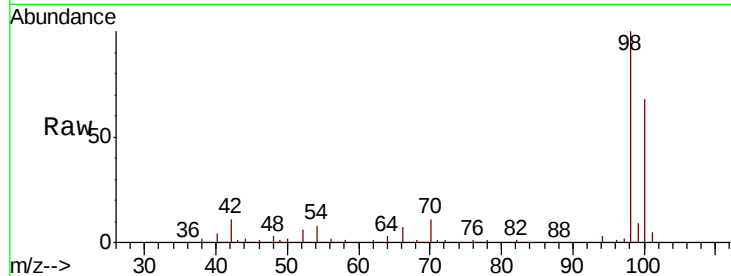




#63
Toluene-d8
Concen: 29.491 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

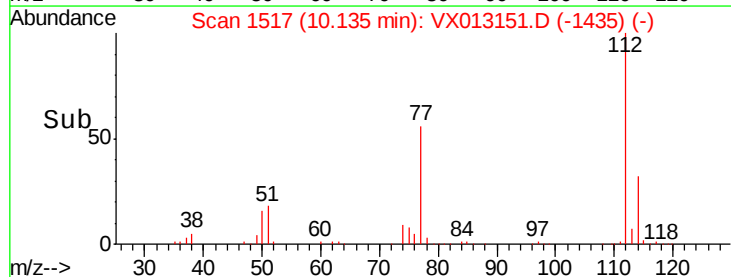
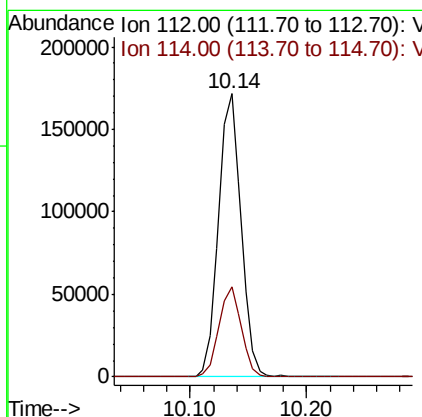
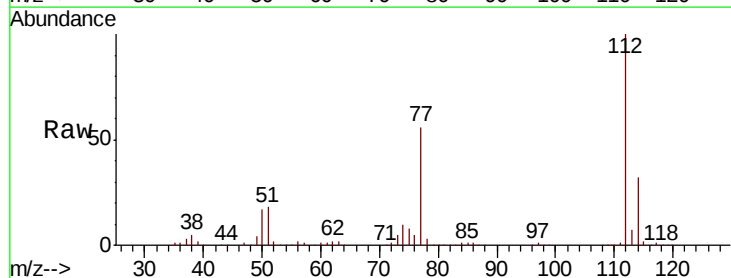
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

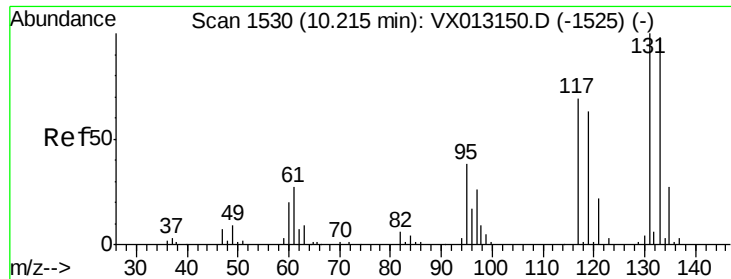
Tot Ion: 98 Resp: 184101
Ion Ratio Lower Upper
98 100
100 68.5 53.1 79.7



#64
Chlorobenzene
Concen: 48.332 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion: 112 Resp: 229583
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 48.654 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

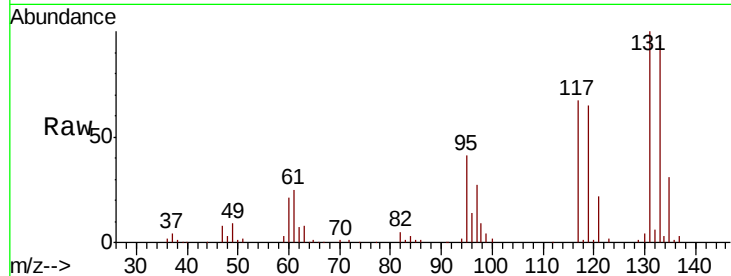
Tot Ion:131 Resp: 85396

Ion Ratio Lower Upper

131 100

133 96.4 0.0 191.0

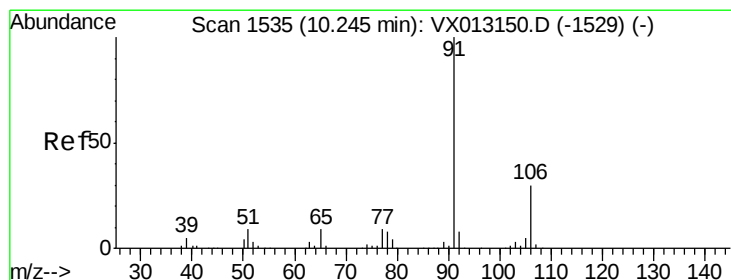
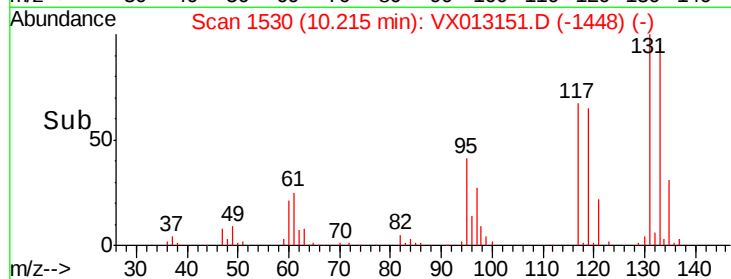
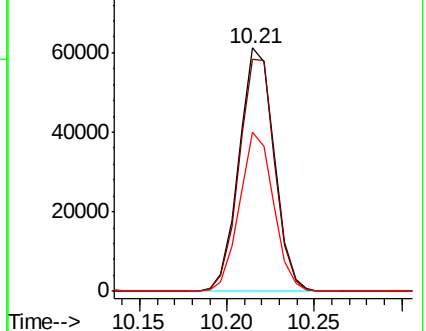
119 63.4 0.0 125.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 48.319 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013151.D

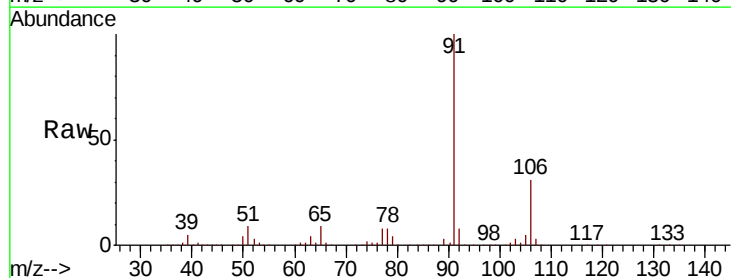
Acq: 21 Oct 2019 13:00

Tgt Ion: 91 Resp: 413164

Ion Ratio Lower Upper

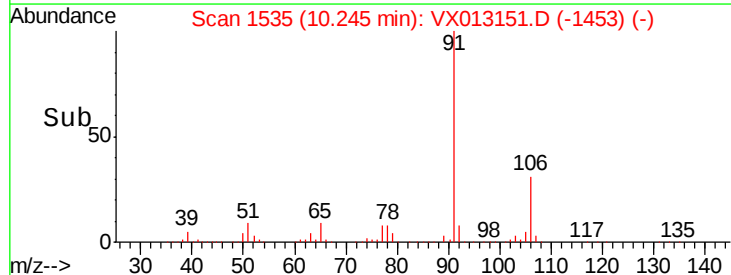
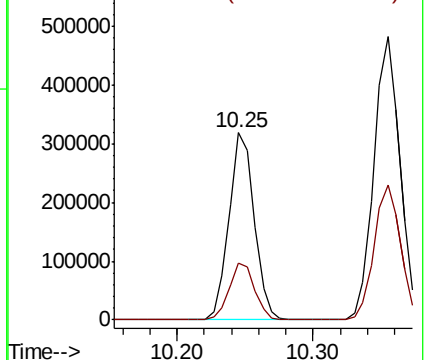
91 100

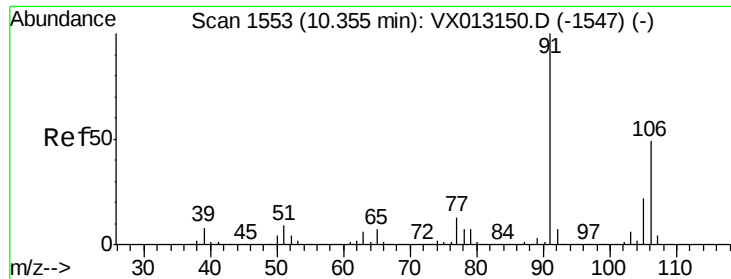
106 30.6 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 96.298 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

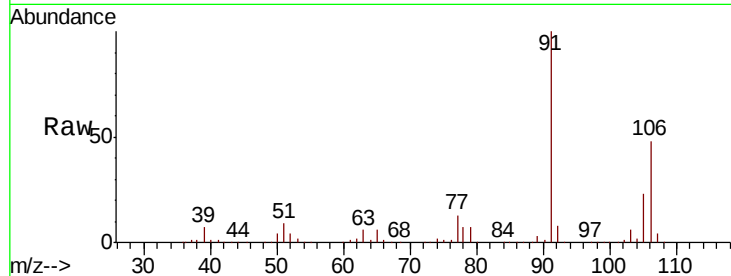
VSTDIC050

Tot Ion:106 Resp: 310396

Ion Ratio Lower Upper

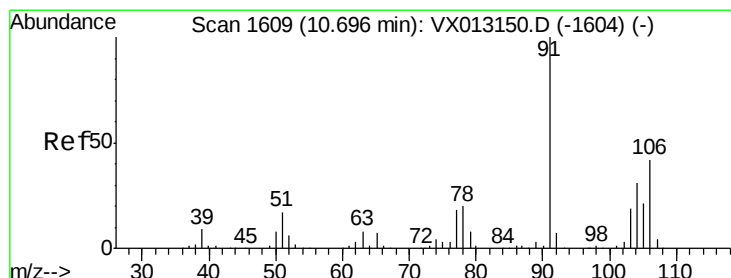
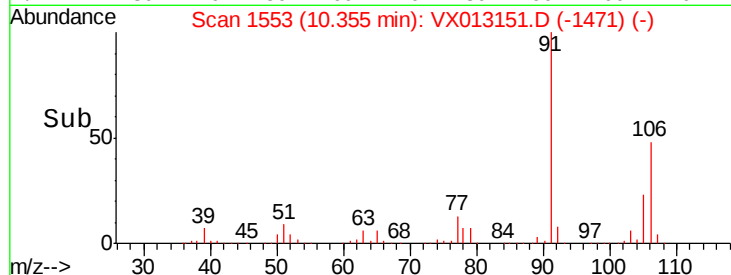
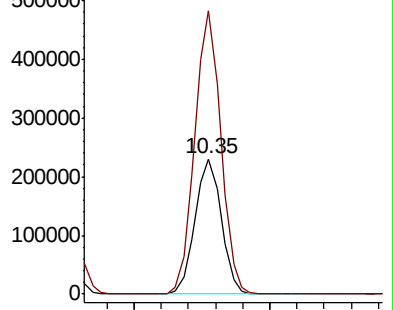
106 100

91 207.2 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 48.572 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013151.D

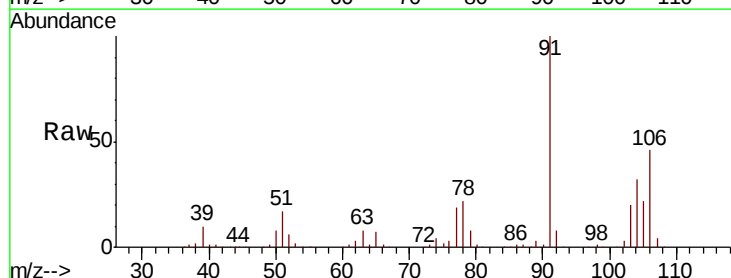
Acq: 21 Oct 2019 13:00

Tgt Ion:106 Resp: 150925

Ion Ratio Lower Upper

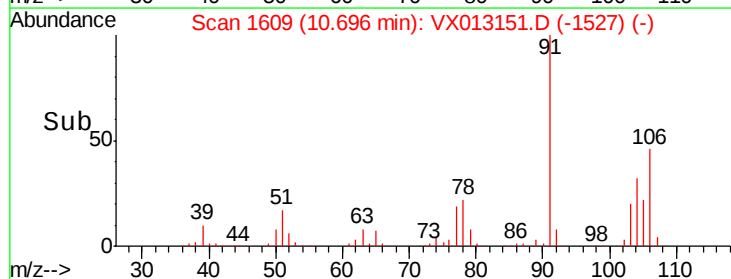
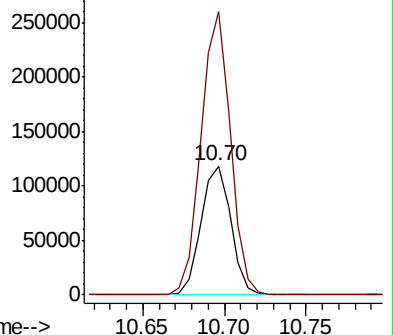
106 100

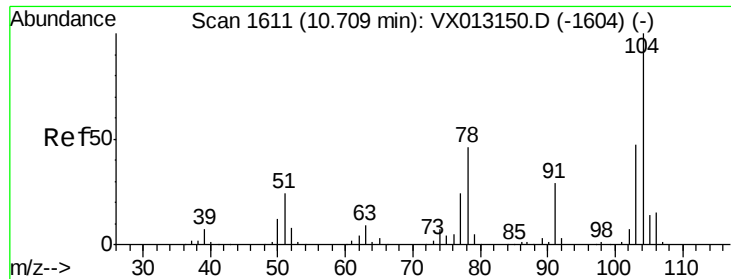
91 215.5 113.6 340.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

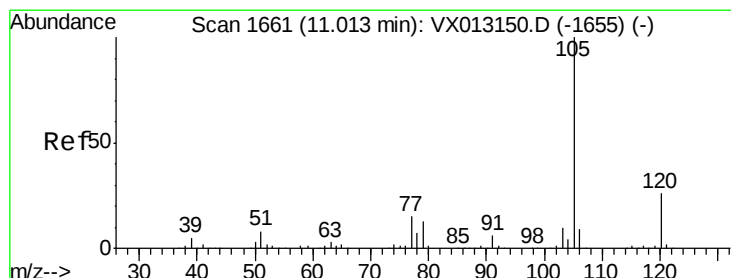
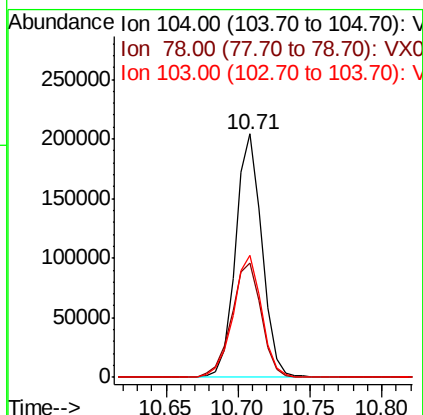
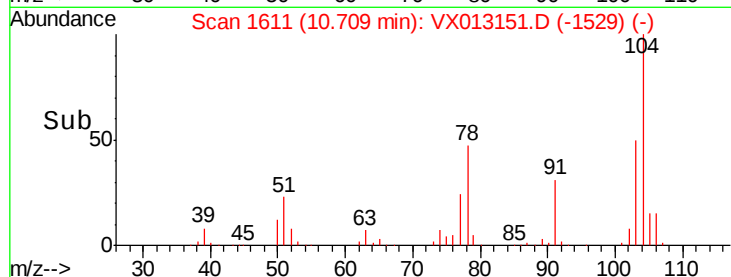
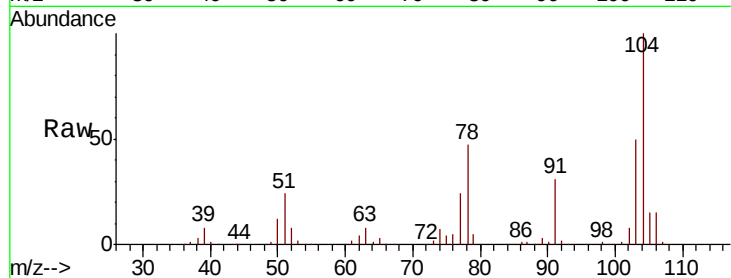




#69
Stvrene
Concen: 48.189 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

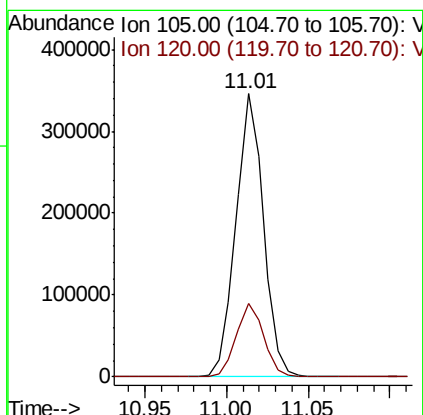
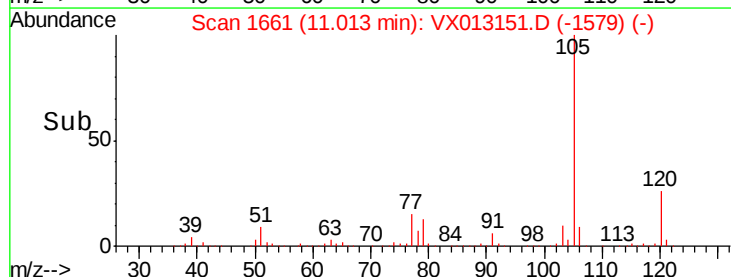
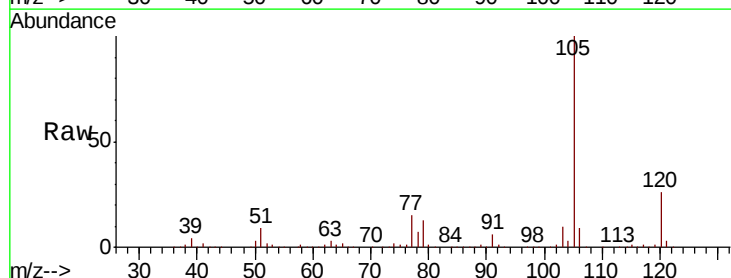
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

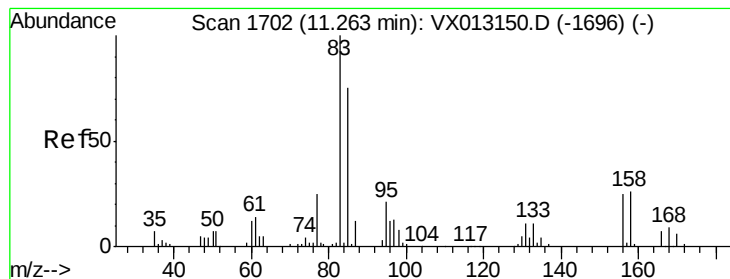
Tot Ion:104 Resp: 260023
Ion Ratio Lower Upper
104 100
78 53.1 42.3 63.5
103 54.4 42.2 63.2



#70
Isopropylbenzene
Concen: 48.416 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion:105 Resp: 407363
Ion Ratio Lower Upper
105 100
120 25.9 18.1 33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 47.903 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

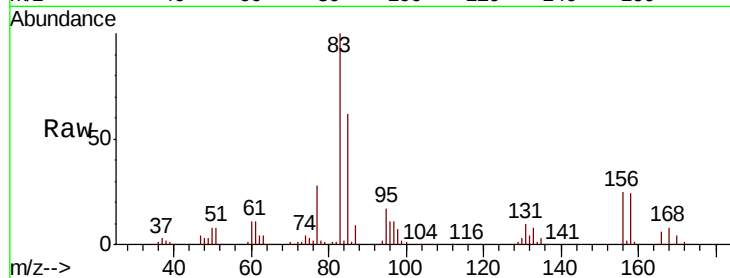
Tot Ion: 83 Resp: 128809

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

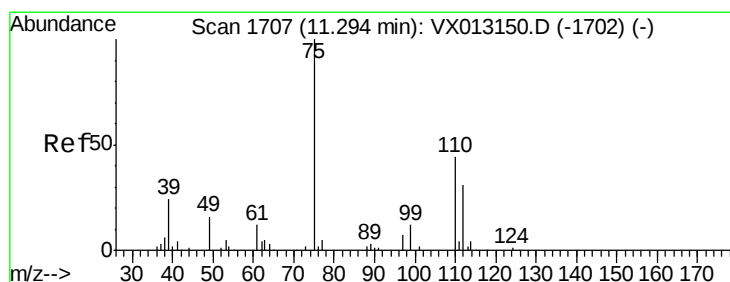
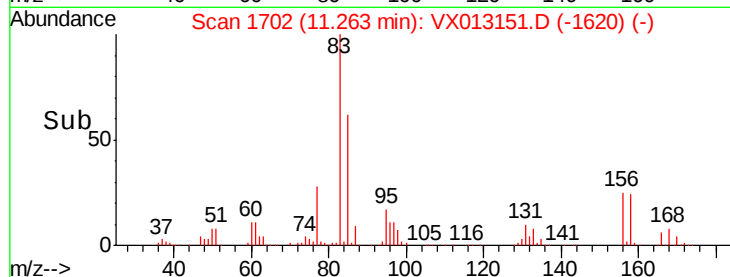
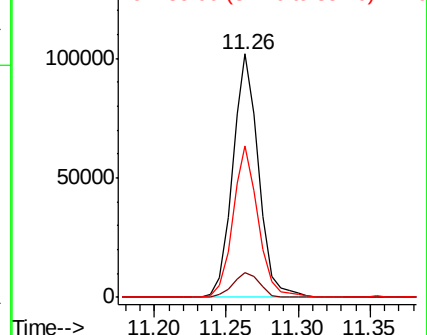
85 60.9 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 64.474 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013151.D

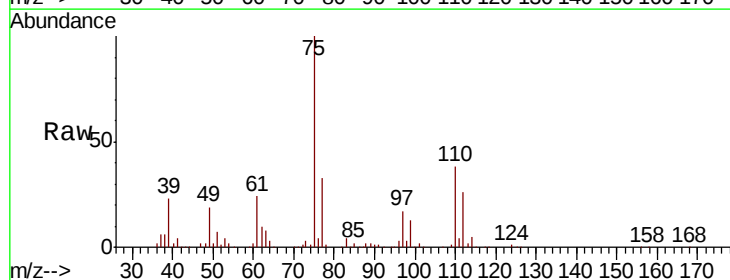
Acq: 21 Oct 2019 13:00

Tgt Ion: 75 Resp: 150137

Ion Ratio Lower Upper

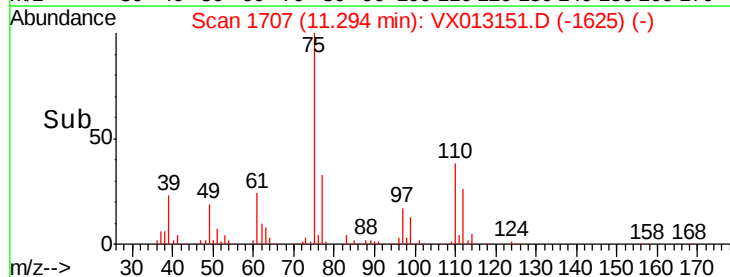
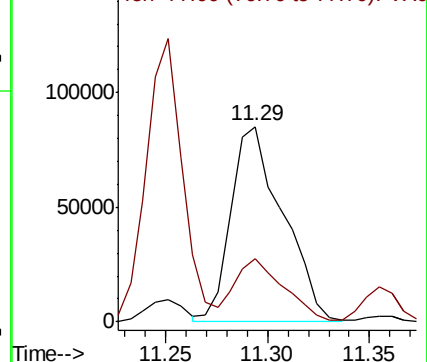
75 100

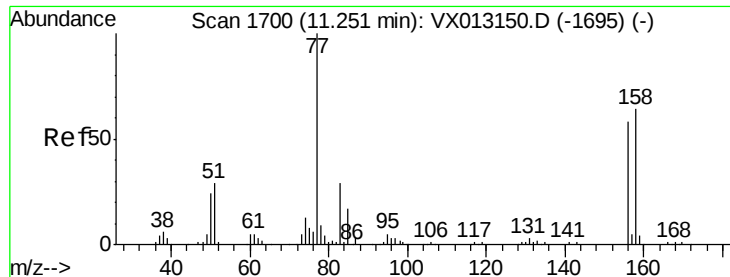
77 30.7 0.0 74.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 47.791 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

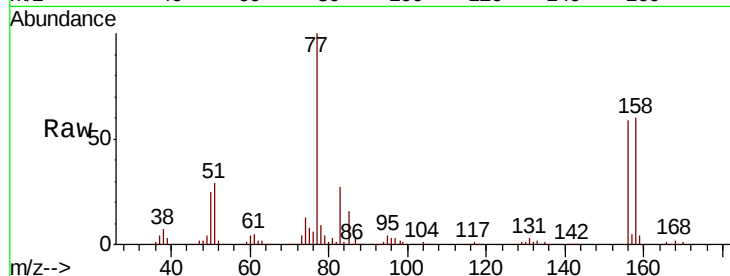
Tot Ion:156 Resp: 95685

Ion Ratio Lower Upper

156 100

77 160.3 0.0 328.0

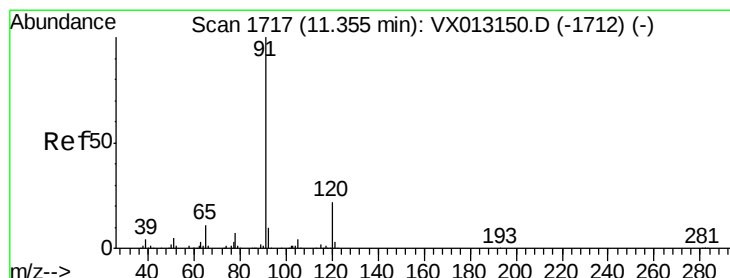
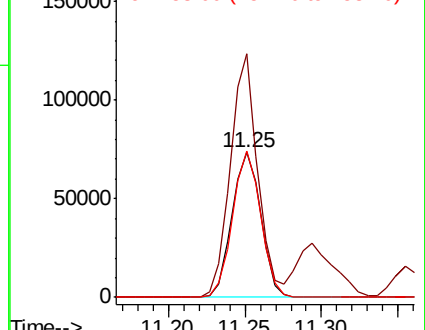
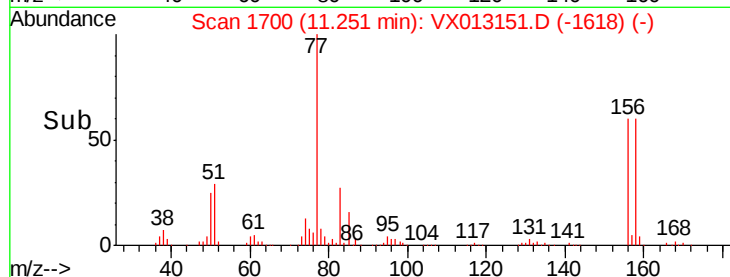
158 98.6 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 47.516 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013151.D

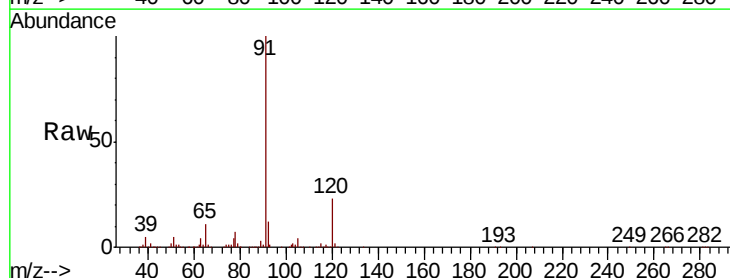
Acq: 21 Oct 2019 13:00

Tgt Ion: 91 Resp: 443266

Ion Ratio Lower Upper

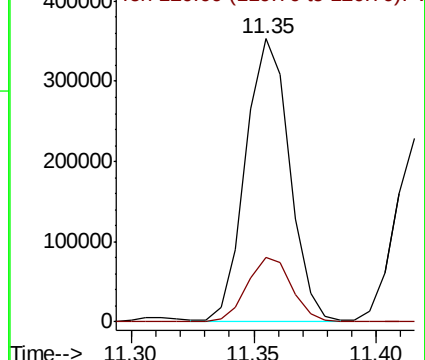
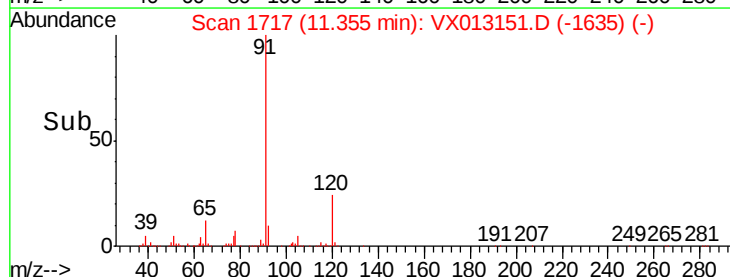
91 100

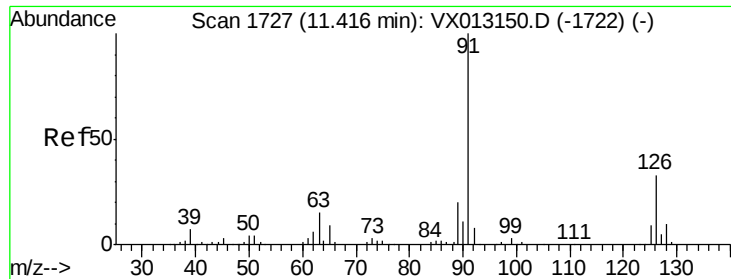
120 23.0 0.0 45.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 48.720 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

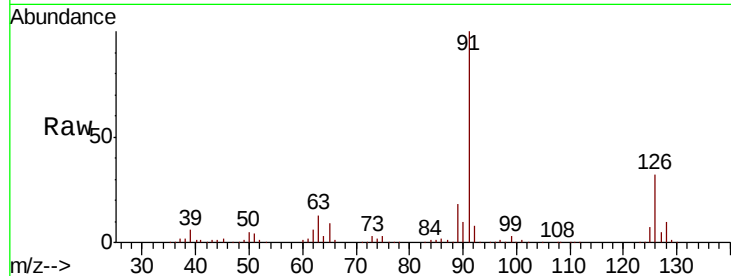
VSTDIC050

Tot Ion: 91 Resp: 281470

Ion Ratio Lower Upper

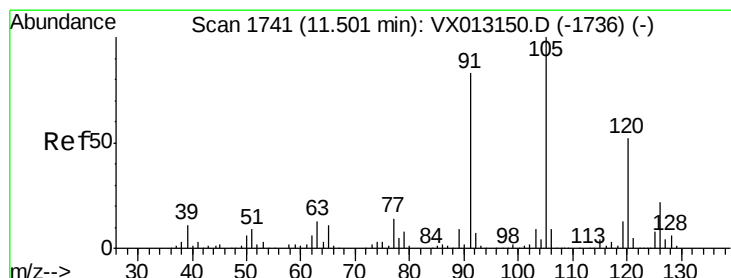
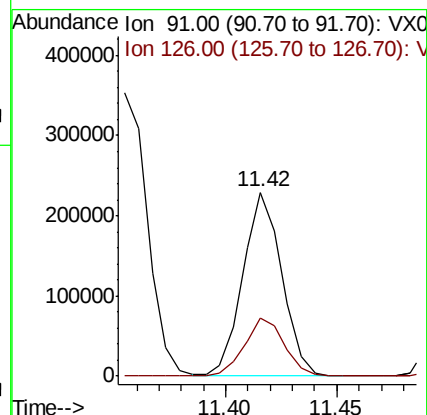
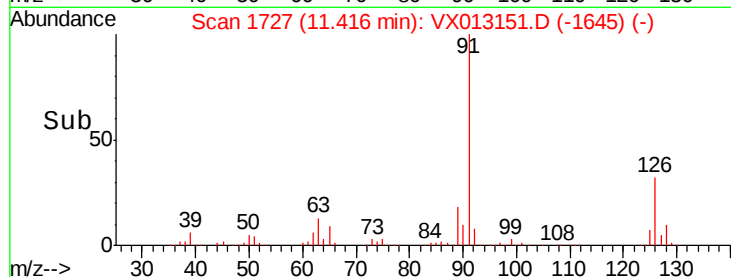
91 100

126 32.0 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 49.557 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013151.D

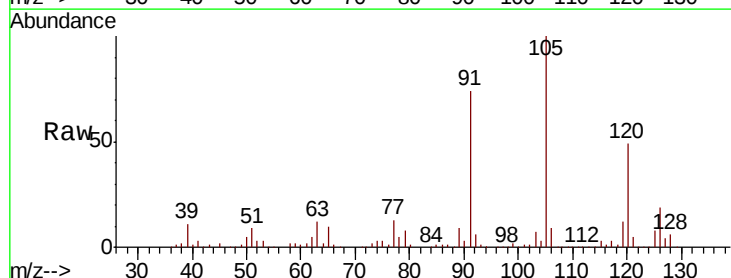
Acq: 21 Oct 2019 13:00

Tgt Ion:105 Resp: 352426

Ion Ratio Lower Upper

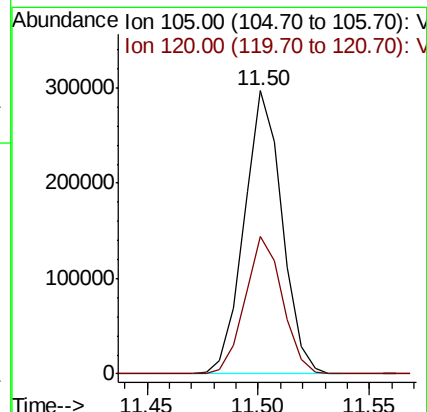
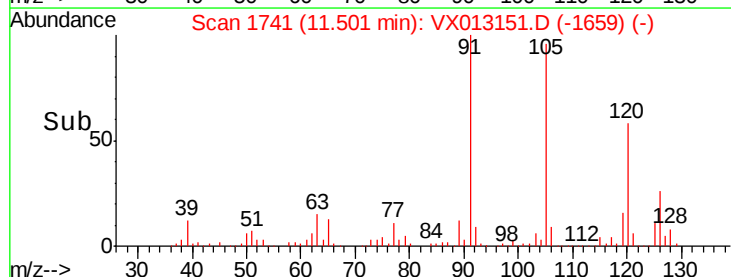
105 100

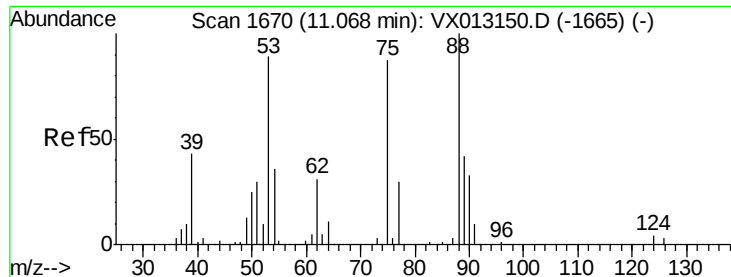
120 48.0 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 49.281 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

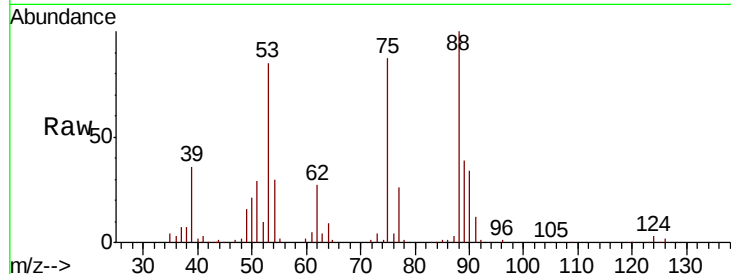
Tot Ion: 75 Resp: 43491

Ion Ratio Lower Upper

75 100

53 97.3 51.1 153.4

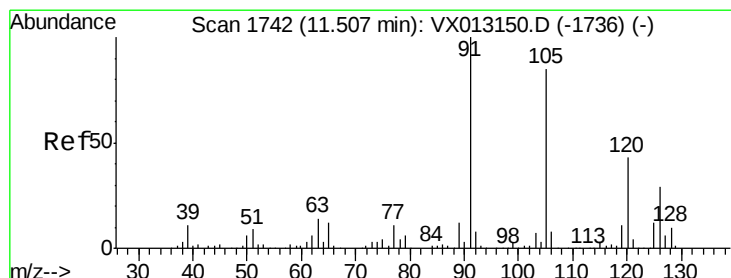
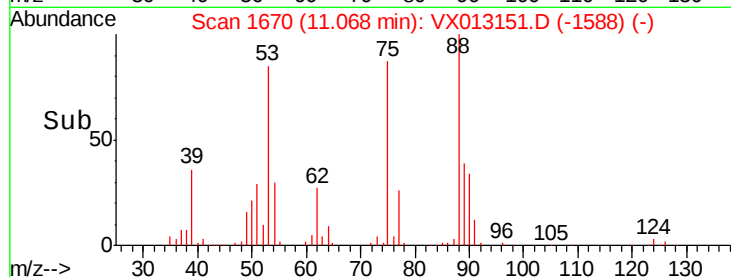
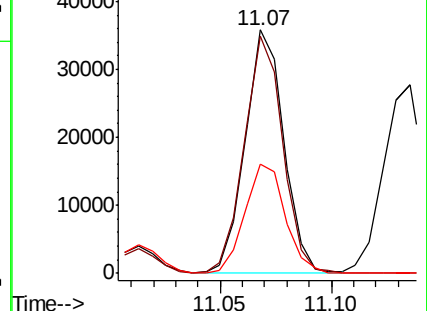
89 44.8 24.1 72.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 49.185 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013151.D

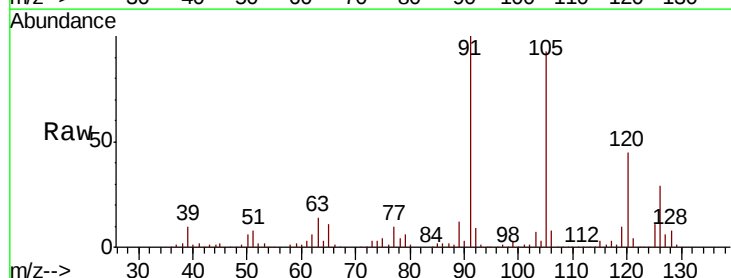
Acq: 21 Oct 2019 13:00

Tgt Ion: 91 Resp: 326174

Ion Ratio Lower Upper

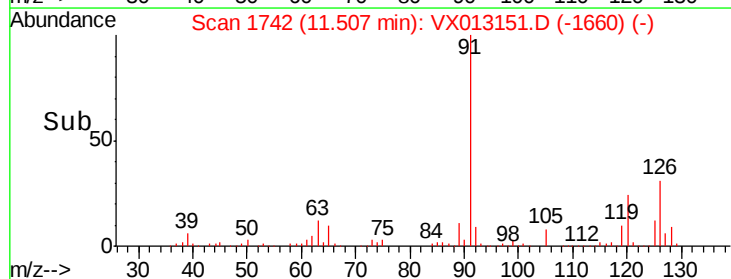
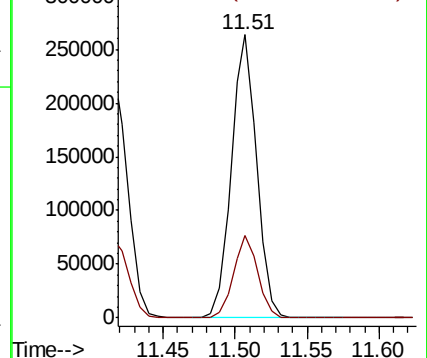
91 100

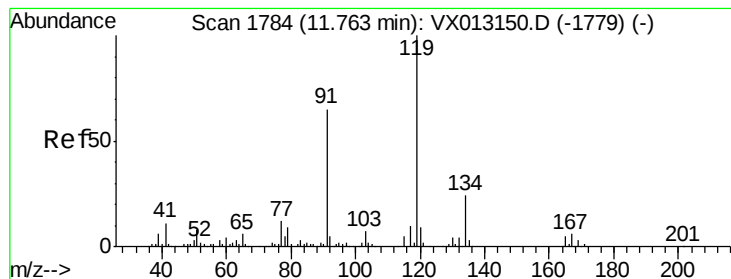
126 28.0 0.0 58.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 49.419 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

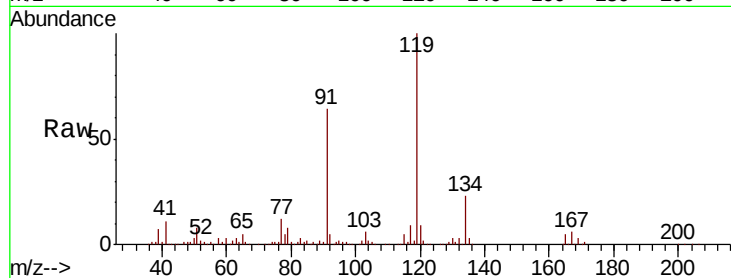
Tot Ion:119 Resp: 330360

Ion Ratio Lower Upper

119 100

91 61.3 0.0 128.4

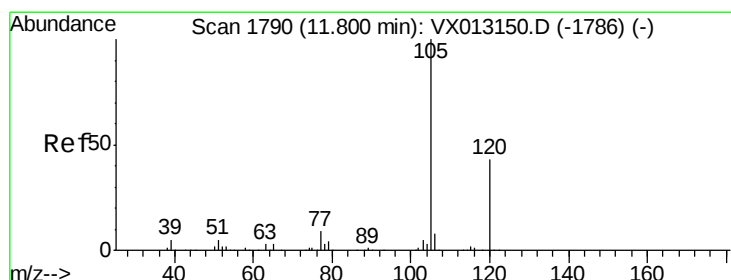
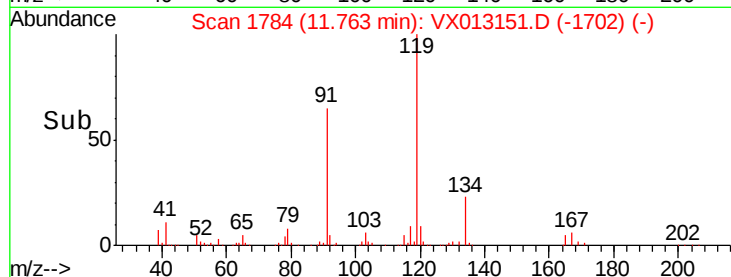
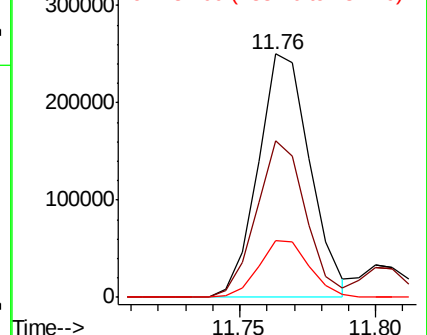
134 23.0 0.0 49.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 47.401 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX013151.D

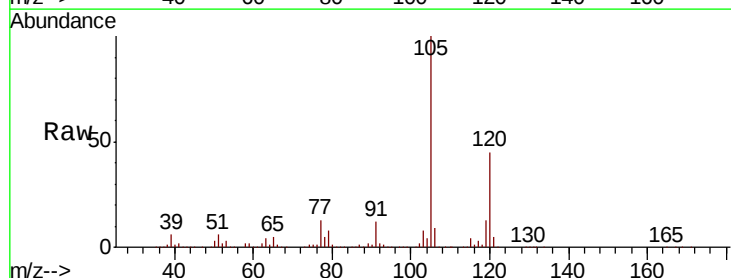
Acq: 21 Oct 2019 13:00

Tgt Ion:105 Resp: 335248

Ion Ratio Lower Upper

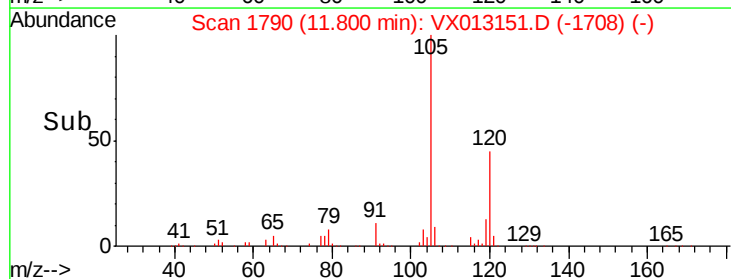
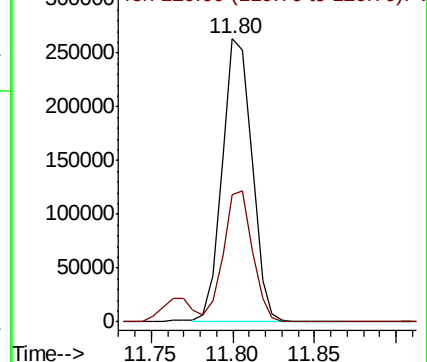
105 100

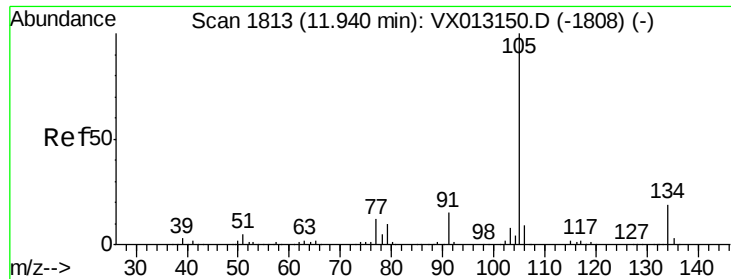
120 45.2 0.0 87.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 48.517 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

Instrument :

MSVOA_X

ClientSampleId :

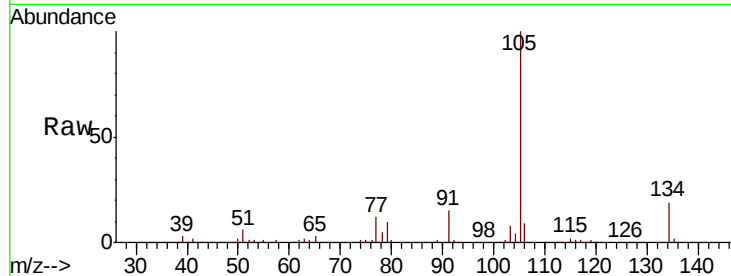
VSTDIC050

Tot Ion:105 Resp: 393449

Ion Ratio Lower Upper

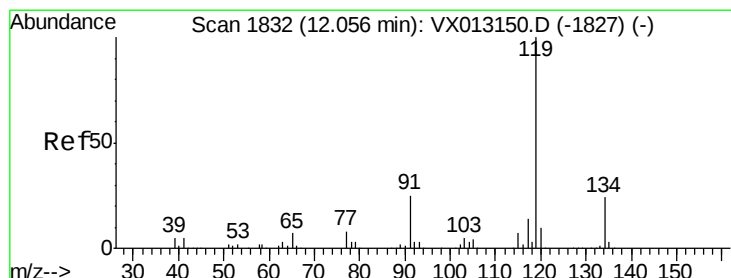
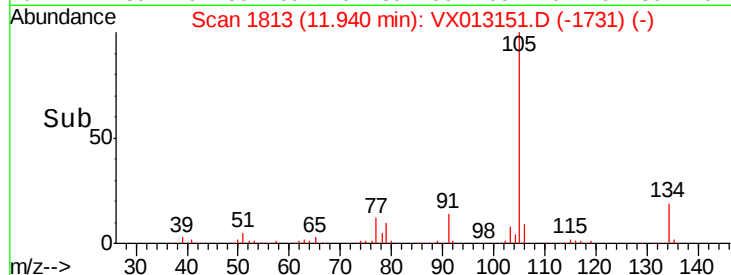
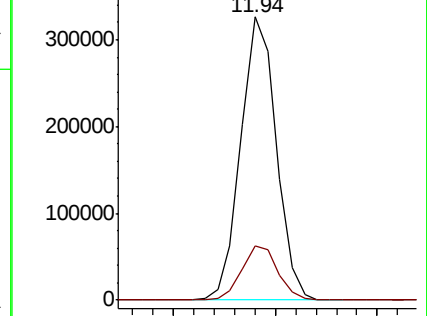
105 100 0.0 39.2

134 19.5 0.0 39.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 48.351 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VX013151.D

Acq: 21 Oct 2019 13:00

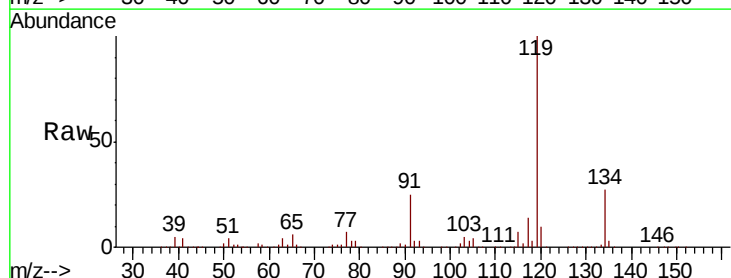
Tgt Ion:119 Resp: 358200

Ion Ratio Lower Upper

119 100 0.0 51.6

134 26.0 0.0 51.6

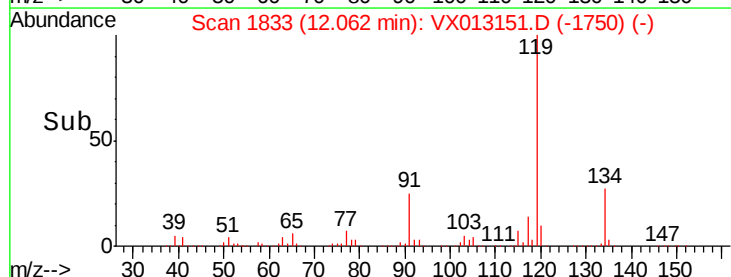
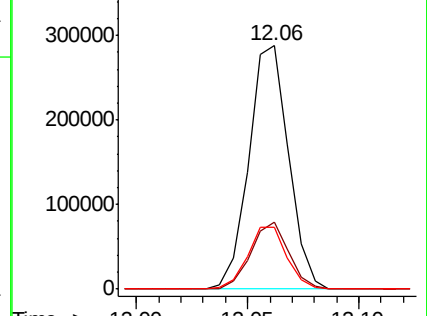
91 25.4 0.0 50.0

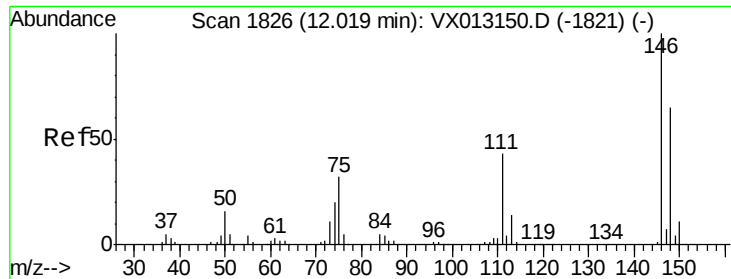


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

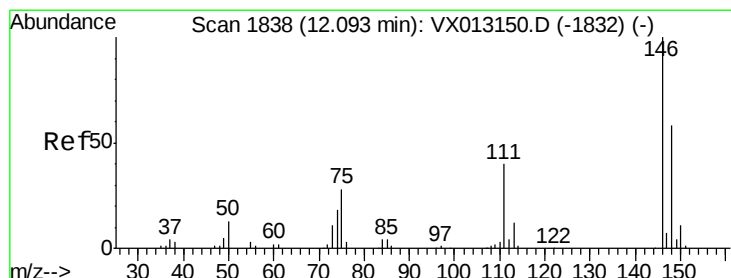
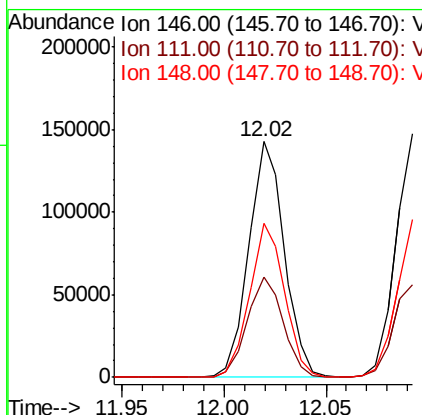
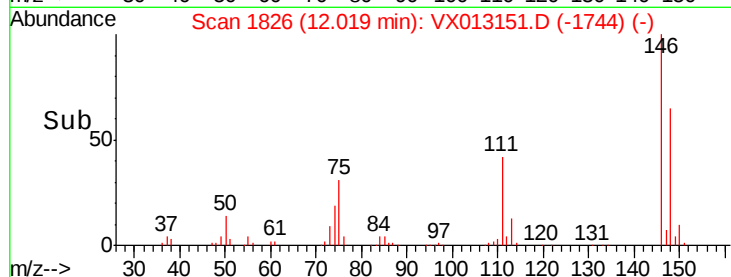
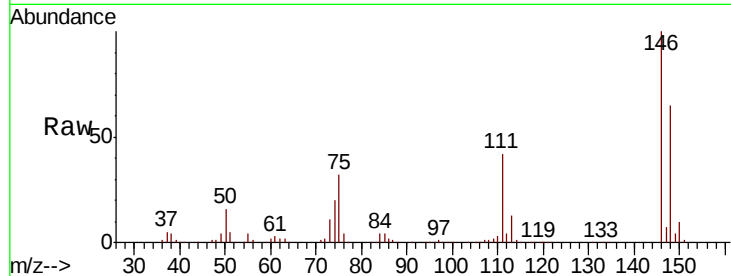




#83
 1,3-Dichlorobenzene
 Concen: 47.924 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

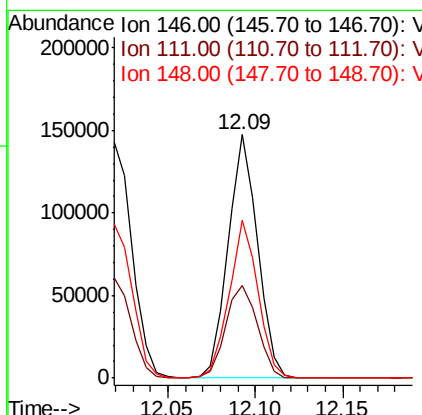
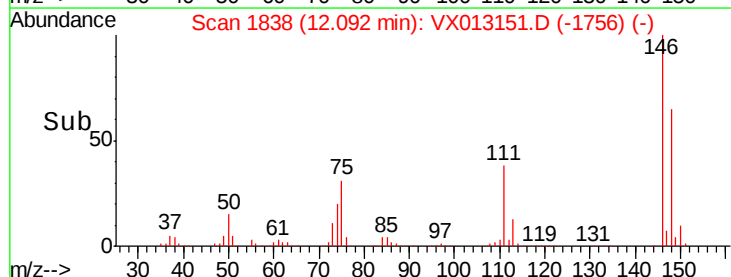
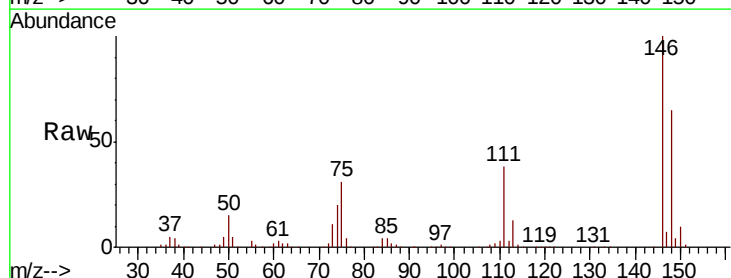
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

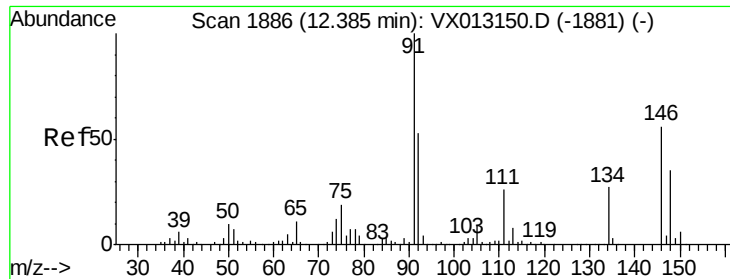
Tot Ion:146 Resp: 173202
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.8 65.4
 148 64.5 31.2 93.6



#84
 1,4-Dichlorobenzene
 Concen: 47.362 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

Tgt Ion:146 Resp: 172764
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.3 60.9
 148 63.5 31.4 94.2

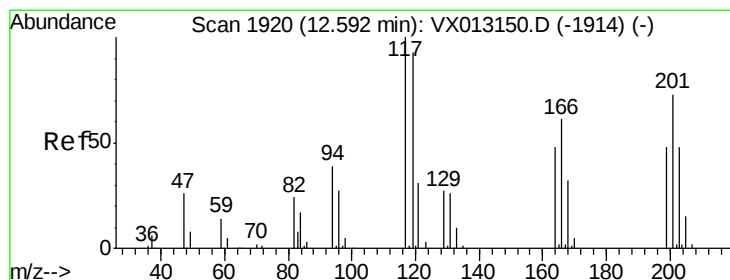
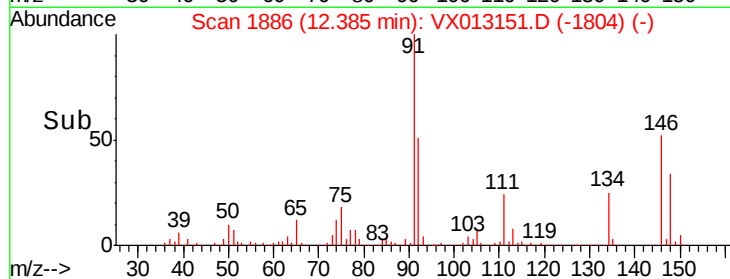
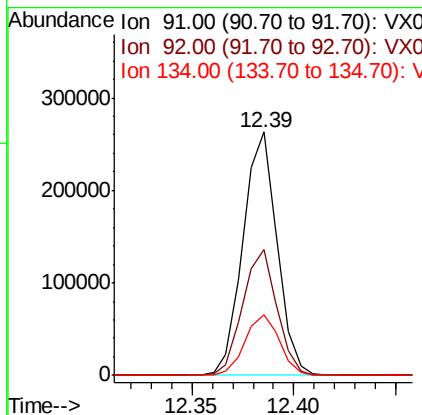
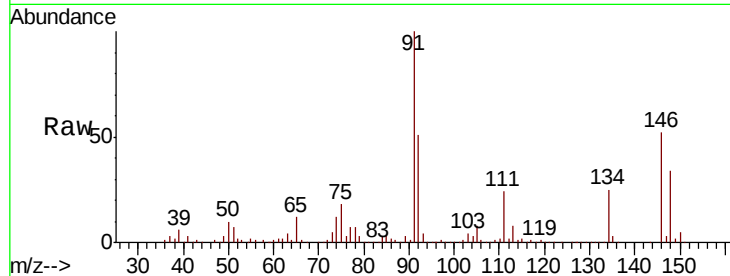




#85
n-Butylbenzene
Concen: 48.510 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

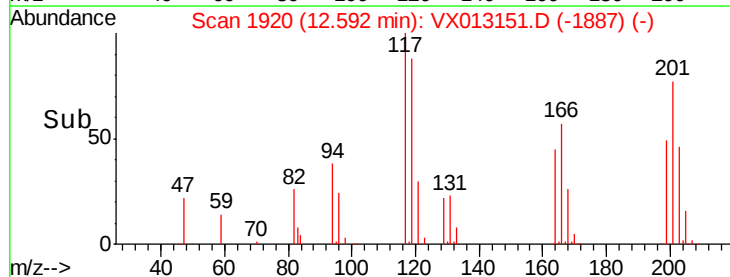
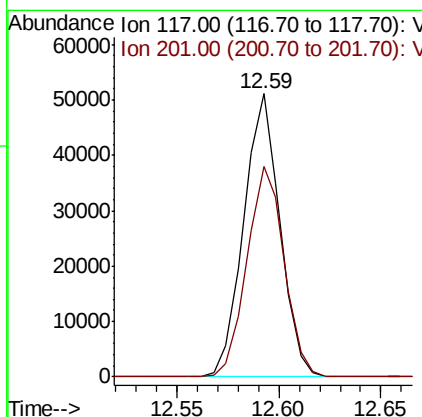
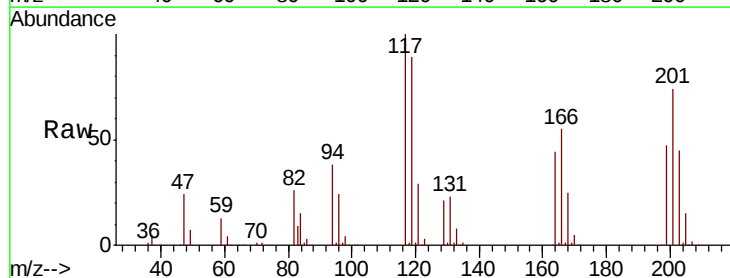
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

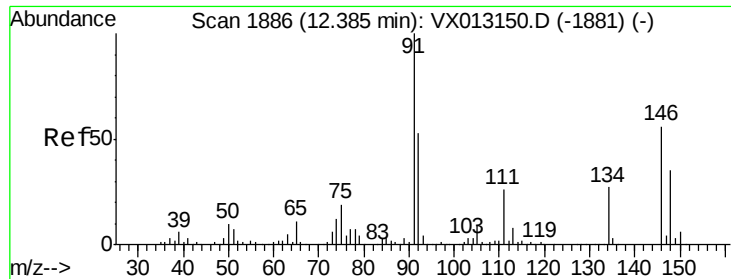
Tot Ion: 91 Resp: 305134
Ion Ratio Lower Upper
91 100
92 51.9 0.0 106.8
134 25.2 0.0 52.4



#86
Hexachloroethane
Concen: 49.176 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion: 117 Resp: 62975
Ion Ratio Lower Upper
117 100
201 76.4 35.9 107.5

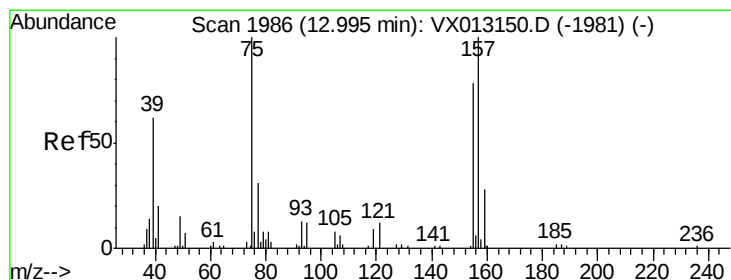
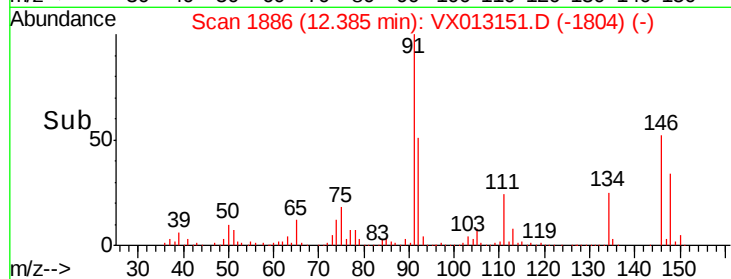
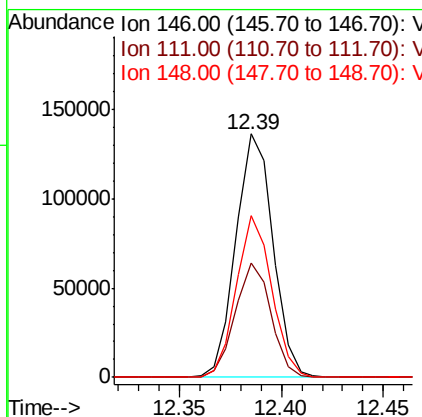
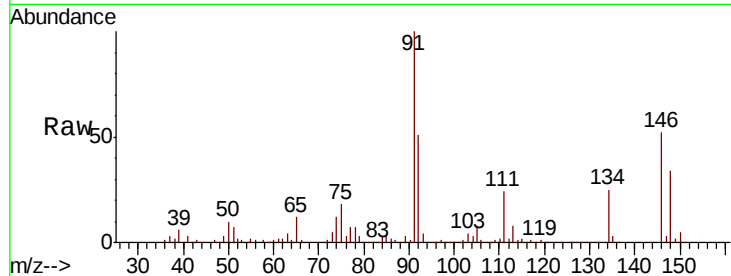




#87
 1,2-Dichlorobenzene
 Concen: 47.970 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

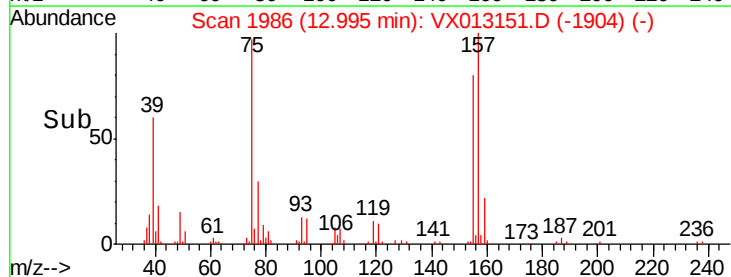
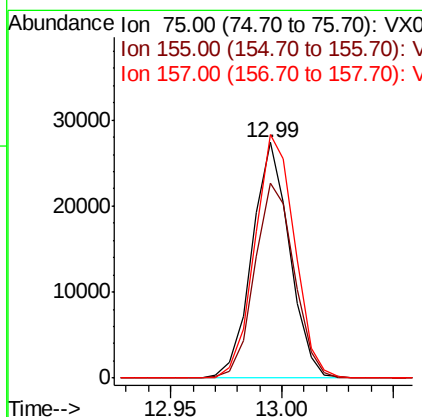
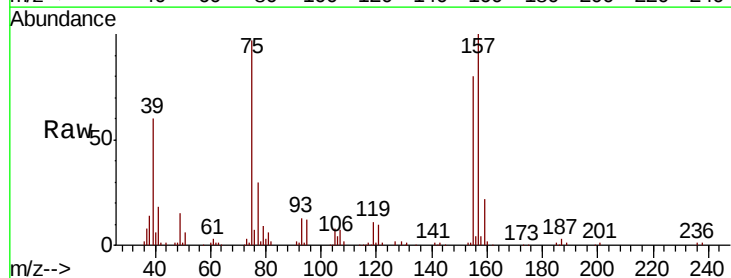
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

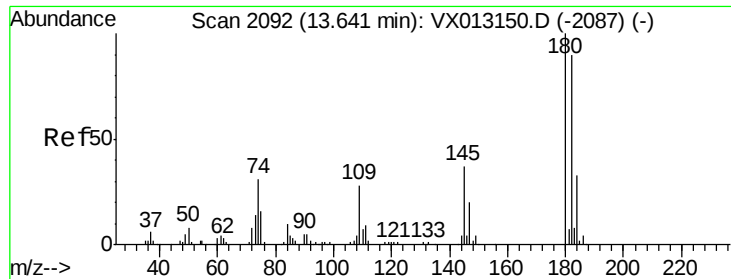
Tot Ion:146 Resp: 172141
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.5 67.5
 148 63.2 31.4 94.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 50.652 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

Tgt Ion: 75 Resp: 32197
 Ion Ratio Lower Upper
 75 100
 155 86.8 65.4 98.0
 157 109.1 84.1 126.1

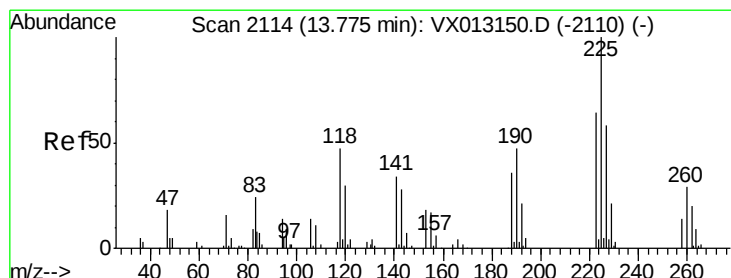
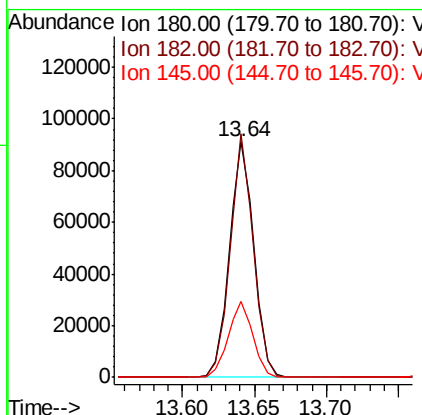
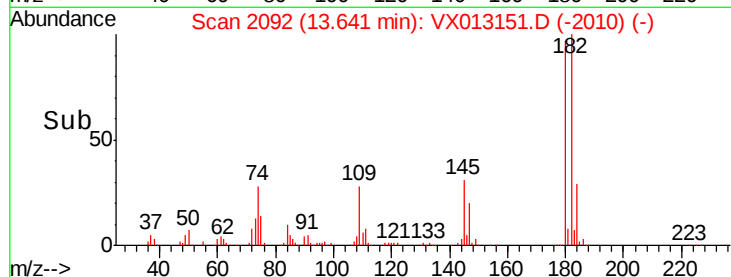
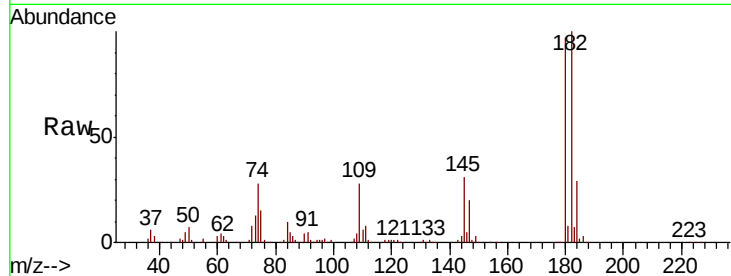




#89
 1,2,4-Trichlorobenzene
 Concen: 48.950 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

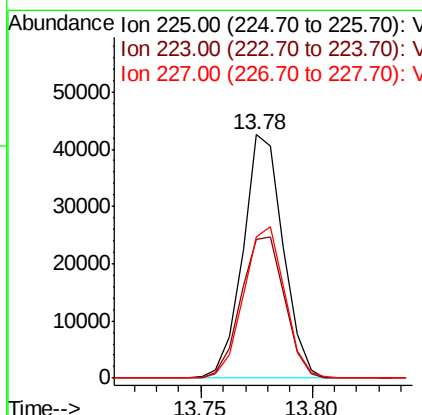
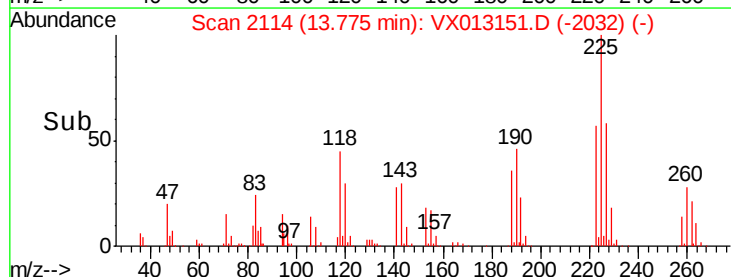
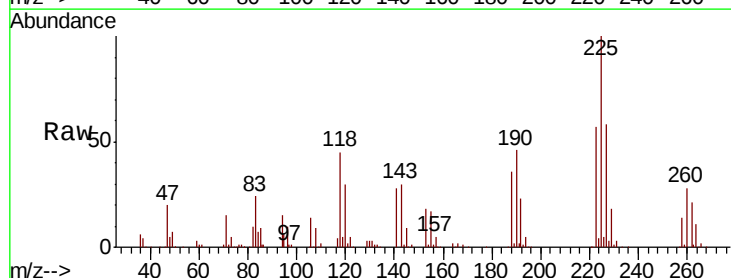
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

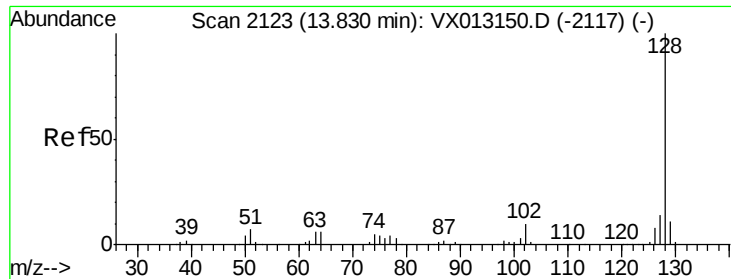
Tot Ion:180 Resp: 108973
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.1 114.1
 145 32.4 27.4 41.2



#90
 Hexachlorobutadiene
 Concen: 50.064 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013151.D
 Acq: 21 Oct 2019 13:00

Tgt Ion:225 Resp: 53596
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 131.2
 227 63.3 0.0 127.0

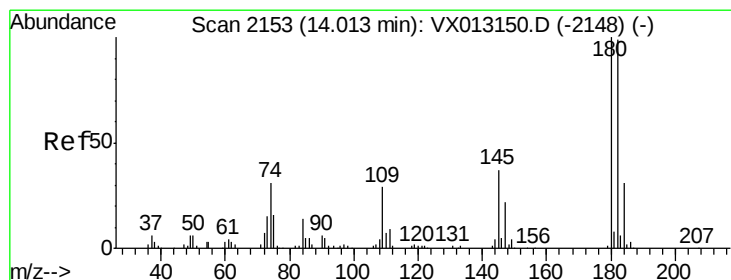
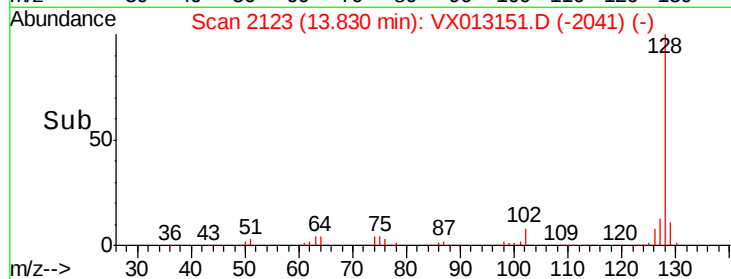
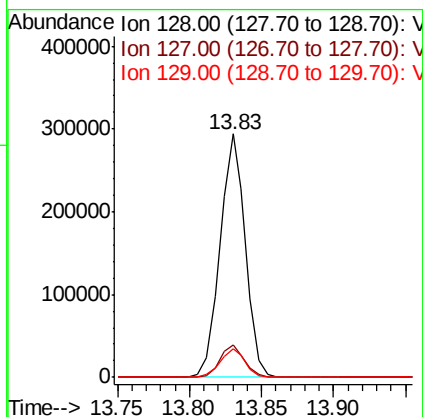
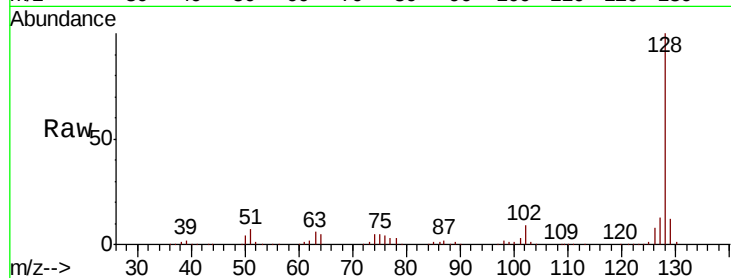




#91
Naphthalene
Concen: 48.019 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:128 Resp: 360817
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 11.3 8.6 12.8



#92
1,2,3-Trichlorobenzene
Concen: 51.533 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013151.D
Acq: 21 Oct 2019 13:00

Tgt Ion:180 Resp: 115684
Ion Ratio Lower Upper
180 100
182 93.2 0.0 194.4
145 33.9 0.0 71.2

