

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013149.D
 Acq On : 21 Oct 2019 12:13
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 22 01:41:27 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	5.00	128	27512	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	161557	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	144837	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	64595	30.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.53%
60) 4-Bromofluorobenzene	11.13	95	73276	28.91	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.37%
63) Toluene-d8	8.71	98	194222	29.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	10485	5.546	ug/l 96
3) Chloromethane	1.32	50	9251	5.113	ug/l 99
4) Vinyl Chloride	1.40	62	9530	5.214	ug/l 96
5) Bromomethane	1.63	94	5611	6.463	ug/l 98
6) Chloroethane	1.71	64	6959	6.232	ug/l 93
7) Trichlorofluoromethane	1.92	101	15920	5.843	ug/l 92
8) Diethyl Ether	2.18	74	5587	5.706	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	10282	6.048	ug/l 91
10) 1,1-Dichloroethene	2.36	96	9429	5.641	ug/l 90
11) Methyl Iodide	2.50	142	9677	4.663	ug/l 91
12) Methyl Acetate	2.76	43	11840	5.110	ug/l 96
13) Acrolein	2.28	56	6085	17.962	ug/l 94
14) Acrylonitrile	3.13	53	24540	25.404	ug/l 99
15) Acetone	2.43	58	8035	24.382	ug/l 87
16) Carbon Disulfide	2.56	76	24206	5.366	ug/l 99
17) Allyl chloride	2.72	41	14642	5.220	ug/l 94
18) Methylene Chloride	2.84	84	12154	6.397	ug/l 98
19) trans-1,2-Dichloroethene	3.15	96	9969	5.590	ug/l 96
20) Diisopropyl ether	3.84	45	28564	5.322	ug/l 97
21) 1,1-Dichloroethane	3.69	63	17812	5.699	ug/l 96
22) cis-1,2-Dichloroethene	4.58	96	11269	5.475	ug/l 95
23) tert-Butyl Alcohol	3.03	59	14773	30.026	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	32101	5.649	ug/l 100
25) Chloroform	5.19	83	18537	5.719	ug/l 96
26) Cyclohexane	5.57	56	15578	5.525	ug/l # 59
29) 1,1-Dichloropropene	5.79	75	13503	5.407	ug/l # 83
30) 2-Butanone	4.66	43	34705	24.309	ug/l 98
31) 2,2-Dichloropropane	4.57	77	15868	5.651	ug/l # 86
32) 1,1,1-Trichloroethane	5.48	97	16597	5.669	ug/l # 89
33) Carbon Tetrachloride	5.77	117	13493	5.373	ug/l 90
34) Benzene	6.12	78	38732	5.285	ug/l 98
35) Methacrylonitrile	5.02	41	7231	5.114	ug/l 89
36) 1,2-Dichloroethane	6.18	62	15307	5.717	ug/l 95
37) Trichloroethene	7.20	130	10975	5.554	ug/l 95
38) Methylcyclohexane	7.45	83	16604	5.466	ug/l 96
39) 1,2-Dichloropropane	7.50	63	9532	5.217	ug/l 97
40) Dibromomethane	7.66	93	6583	5.211	ug/l 96

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 22 01:41:27 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)

41) Bromodichloromethane	7.89	83	13019	5.193	ug/l	95
42) Vinyl Acetate	3.80	43	119810	25.276	ug/l	100
43) Ethyl Acetate	4.82	43	12633	4.875	ug/l #	89
44) Isopropyl Acetate	6.44	43	20987	5.008	ug/l	98
45) 1,4-Dioxane	7.74	88	5475	104.477	ug/l	95
46) Methyl methacrylate	7.76	41	10251	4.964	ug/l	93
47) n-amyl Acetate	10.89	43	16356	4.580	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	13212	4.768	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	15094	4.956	ug/l	93
50) 1,1,2-Trichloroethane	9.21	97	10185	5.374	ug/l	95
51) Ethyl methacrylate	9.17	69	14345	4.819	ug/l	96
52) 1,3-Dichloropropane	9.37	76	16964	5.348	ug/l	93
53) Dibromochloromethane	9.57	129	9820	5.014	ug/l	99
54) 1,2-Dibromoethane	9.67	107	10588	5.316	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	27721	21.648	ug/l	99
56) Bromoform	10.85	173	6349	4.646	ug/l #	98
58) 4-Methyl-2-Pentanone	8.64	43	64472	24.700	ug/l	99
59) 2-Hexanone	9.48	43	50361	24.773	ug/l	98
61) Tetrachloroethene	9.33	164	11180	6.013	ug/l	97
62) Toluene	8.78	91	43137	5.478	ug/l	100
64) Chlorobenzene	10.14	112	27885	5.568	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.21	131	9785	5.288	ug/l	98
66) Ethyl Benzene	10.25	91	48433	5.373	ug/l	99
67) m/p-Xylenes	10.36	106	37318	10.982	ug/l	97
68) o-Xylene	10.70	106	17854	5.450	ug/l	93
69) Styrene	10.71	104	28562	5.021	ug/l	96
70) Isopropylbenzene	11.01	105	48965	5.520	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.26	83	15216	5.368	ug/l	98
72) 1,1,2,3-Trichloropropane	11.29	75	16658	6.785	ug/l	90
73) Bromobenzene	11.25	156	12249	5.803	ug/l	93
74) n-propylbenzene	11.35	91	51302	5.216	ug/l	99
75) 2-Chlorotoluene	11.42	91	32445	5.327	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	38503	5.136	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	4022	4.323	ug/l	88
78) 4-Chlorotoluene	11.51	91	36432	5.211	ug/l	100
79) tert-butylbenzene	11.76	119	38571	5.473	ug/l	95
80) 1,2,4-Trimethylbenzene	11.81	105	39750	5.331	ug/l	98
81) sec-Butylbenzene	11.94	105	45396	5.310	ug/l	100
82) p-Isopropyltoluene	12.06	119	40388	5.171	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	21498	5.642	ug/l	97
84) 1,4-Dichlorobenzene	12.09	146	20883	5.430	ug/l	98
85) n-Butylbenzene	12.39	91	32619	4.919	ug/l	100
86) Hexachloroethane	12.59	117	6446	4.775	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	19713	5.211	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	12.99	75	3342	4.987	ug/l	95
89) 1,2,4-Trichlorobenzene	13.64	180	11410	4.862	ug/l	99
90) Hexachlorobutadiene	13.78	225	6523	5.780	ug/l	95
91) Naphthalene	13.83	128	37005	4.671	ug/l	98
92) 1,2,3-Trichlorobenzene	14.02	180	12325	5.208	ug/l	96

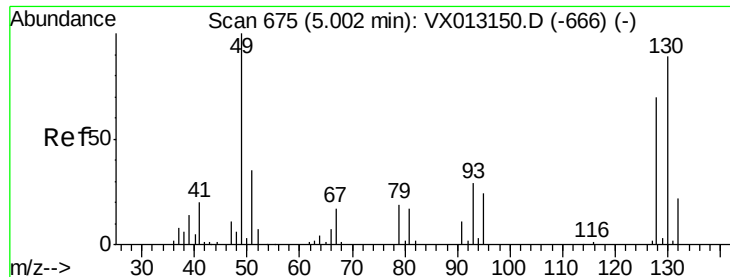
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
Data File : VX013149.D
Acq On : 21 Oct 2019 12:13
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Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Oct 22 01:41:27 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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

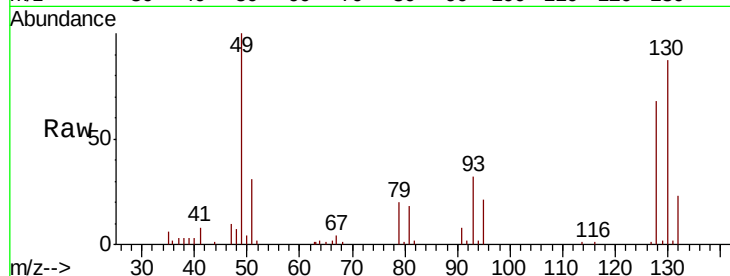
Tot Ion:128 Resp: 27512

Ion Ratio Lower Upper

128 100

49 146.4 0.0 367.3

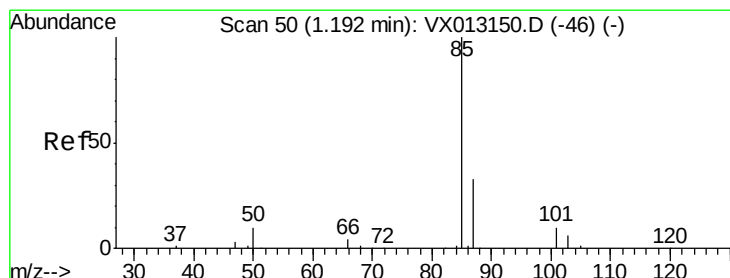
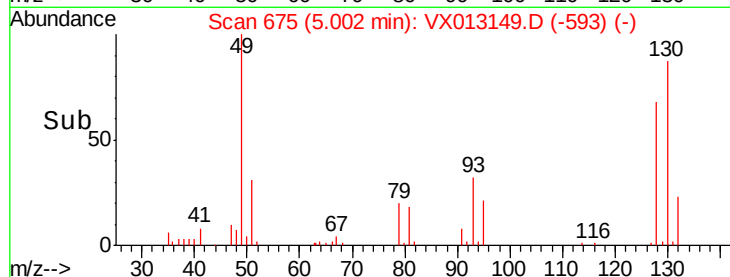
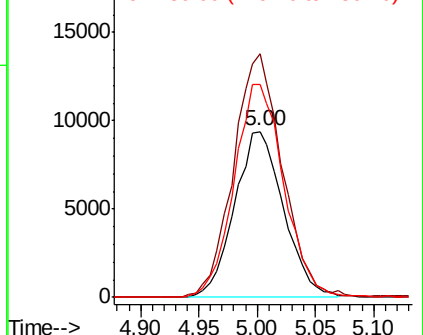
130 130.2 0.0 325.0



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: 5.546 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX013149.D

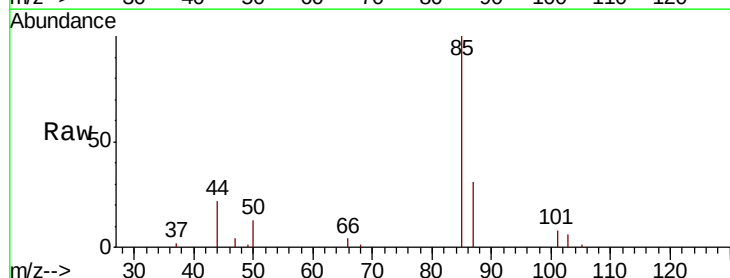
Acq: 21 Oct 2019 12:13

Tgt Ion: 85 Resp: 10485

Ion Ratio Lower Upper

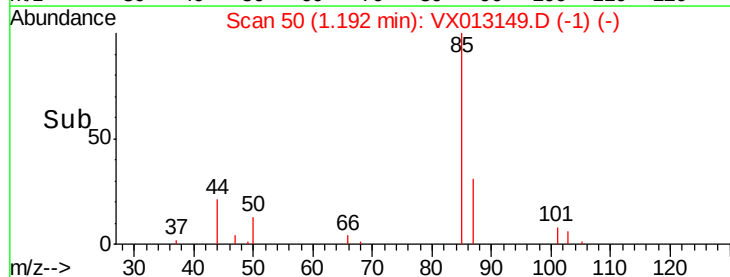
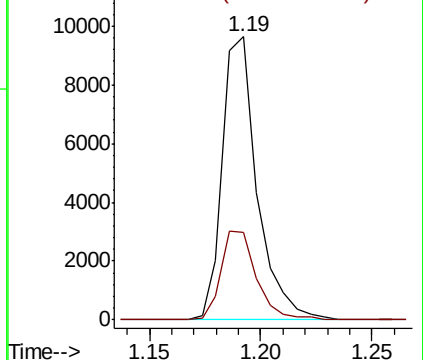
85 100

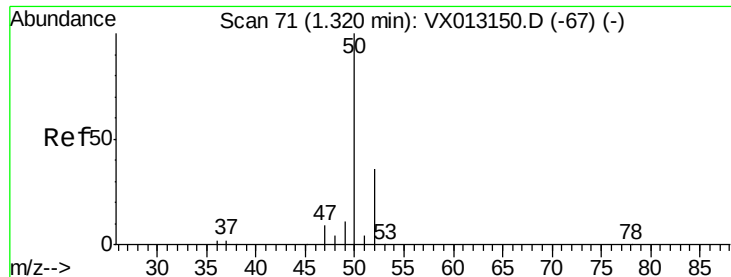
87 30.8 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 5.113 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

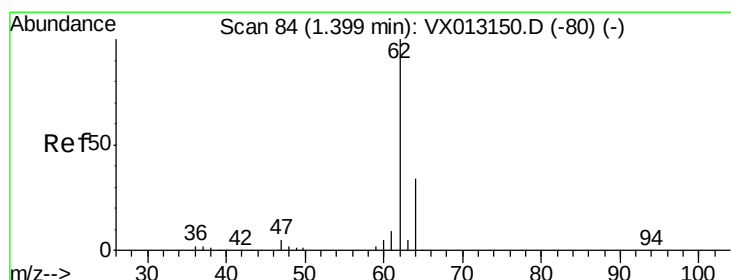
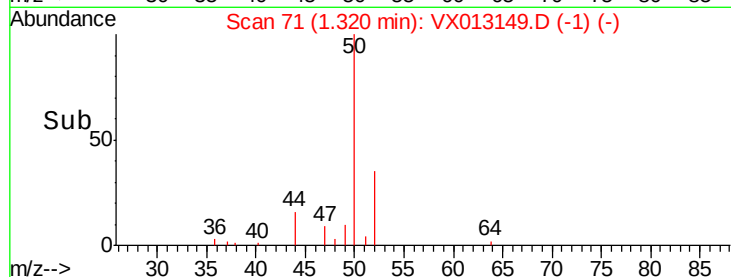
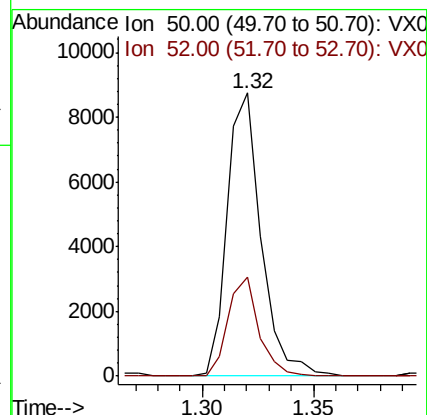
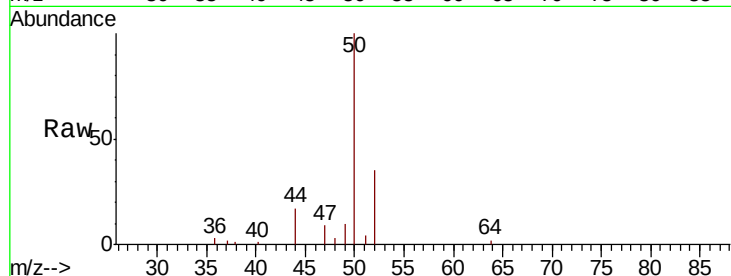
VSTDIC005

Tot Ion: 50 Resp: 9251

Ion Ratio Lower Upper

50 100

52 35.1 28.6 42.8



#4

Vinyl Chloride

Concen: 5.214 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013149.D

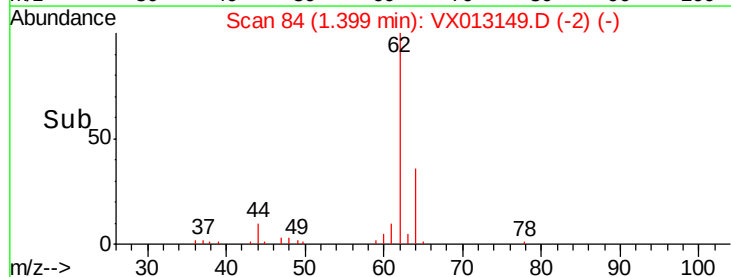
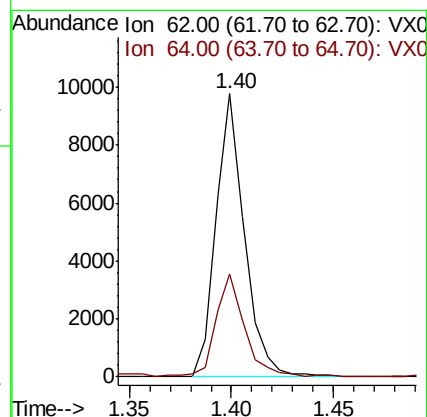
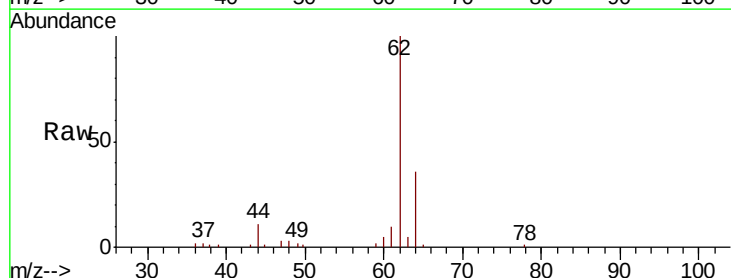
Acq: 21 Oct 2019 12:13

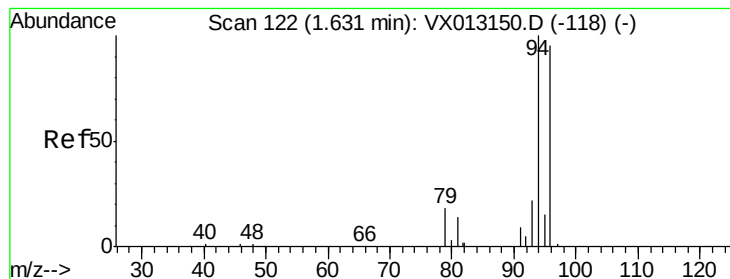
Tgt Ion: 62 Resp: 9530

Ion Ratio Lower Upper

62 100

64 36.2 27.3 40.9





#5

Bromomethane

Concen: 6.463 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

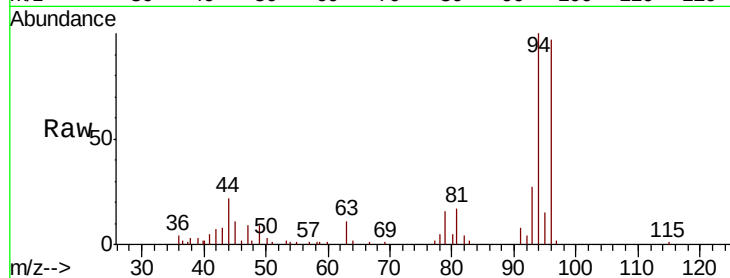
VSTDIC005

Tot Ion: 94 Resp: 5611

Ion Ratio Lower Upper

94 100

96 96.6 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.63

6000

5000

4000

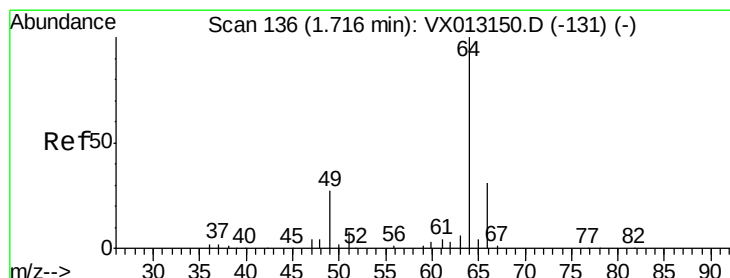
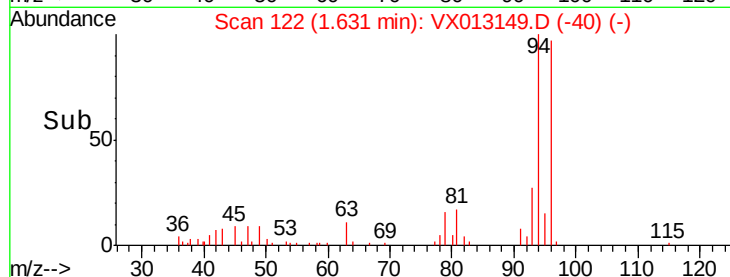
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 6.232 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX013149.D

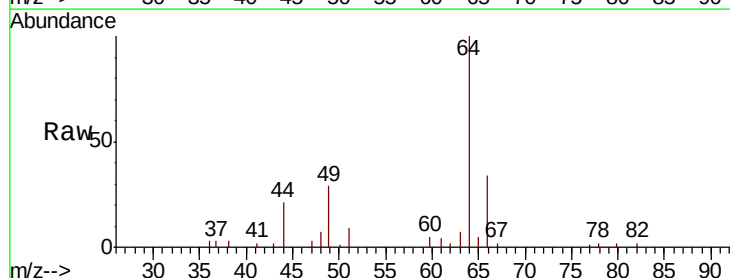
Acq: 21 Oct 2019 12:13

Tgt Ion: 64 Resp: 6959

Ion Ratio Lower Upper

64 100

66 35.5 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.71

5000

4000

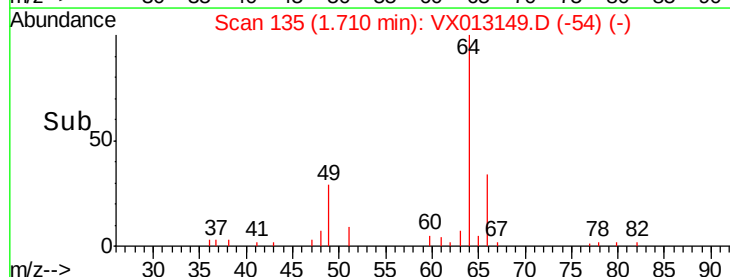
3000

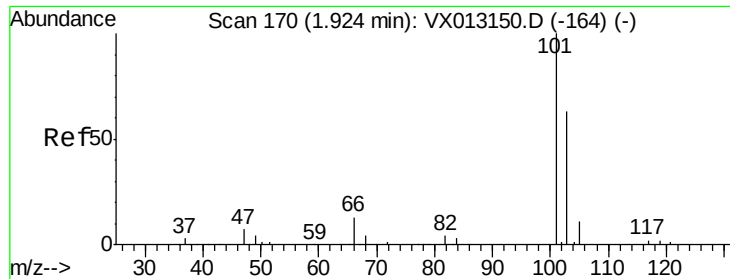
2000

1000

0

Time-->



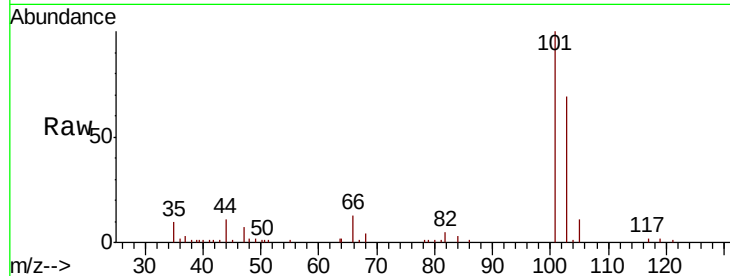


#7

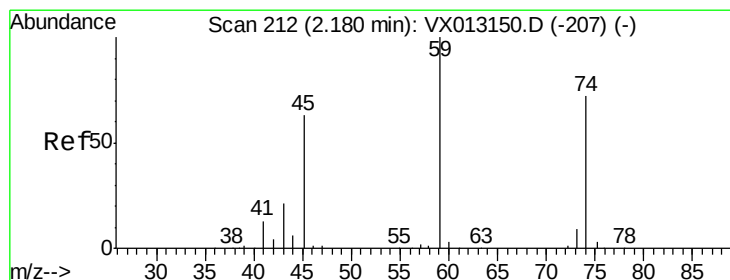
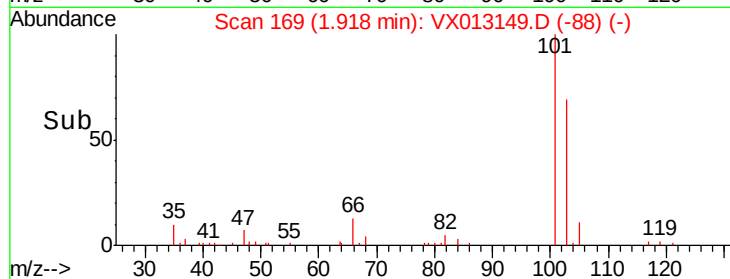
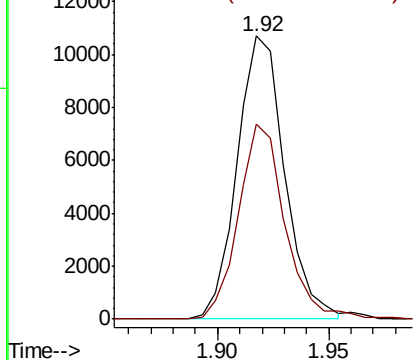
Trichlorofluoromethane
Concen: 5.843 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 15920
Ion Ratio Lower Upper
101 100
103 68.9 50.2 75.4



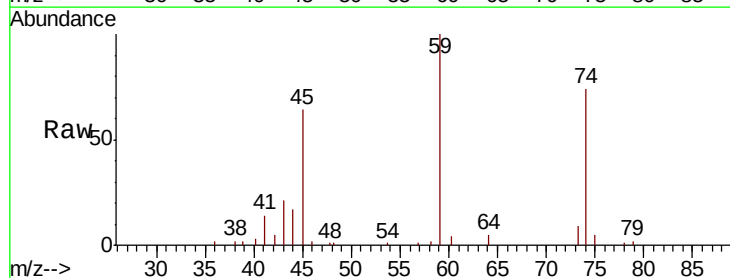
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



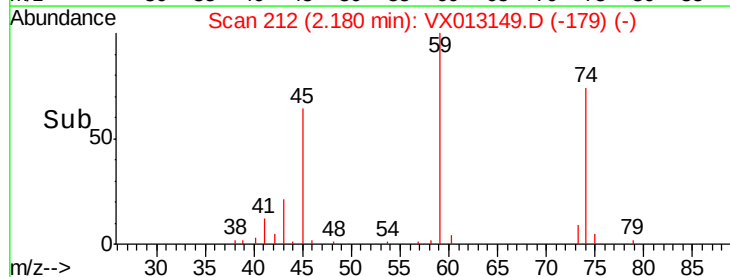
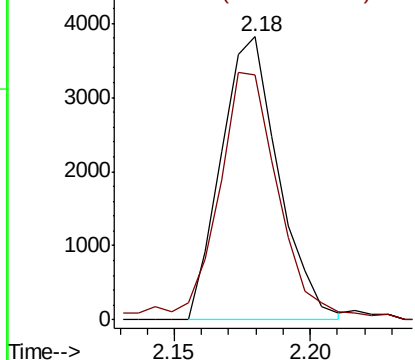
#8

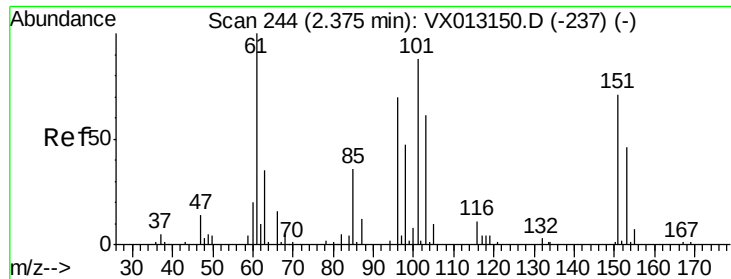
Diethyl Ether
Concen: 5.706 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion: 74 Resp: 5587
Ion Ratio Lower Upper
74 100
45 90.1 18.4 165.6



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.048 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

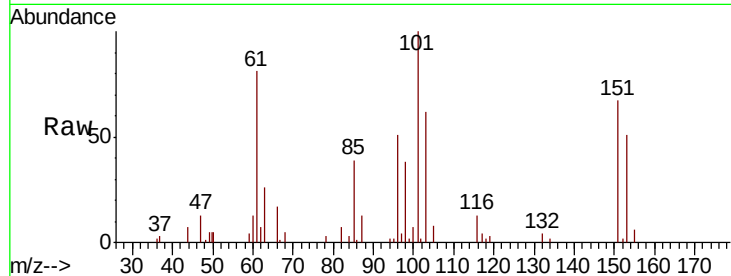
Tot Ion:101 Resp: 10282

Ion Ratio Lower Upper

101 100

85 41.3 0.0 87.2

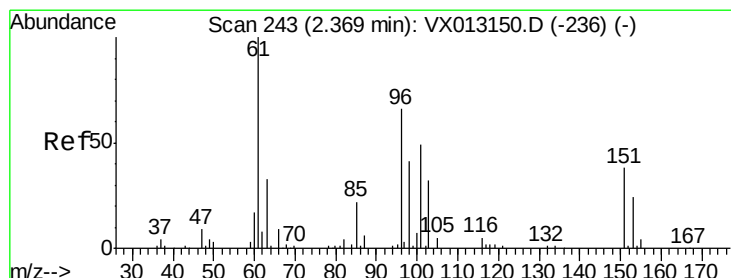
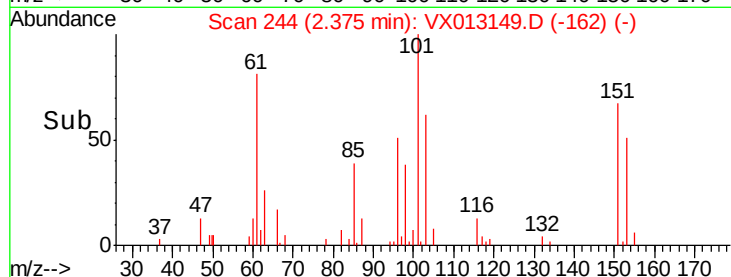
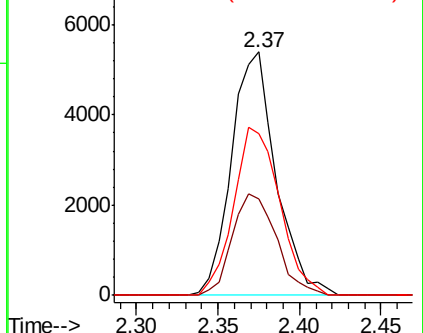
151 71.2 0.0 163.0



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: 5.641 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

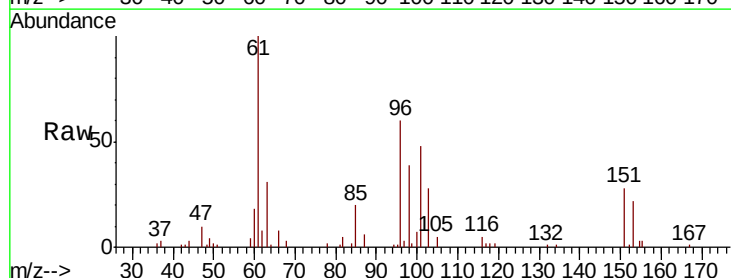
Tgt Ion: 96 Resp: 9429

Ion Ratio Lower Upper

96 100

61 166.9 121.3 181.9

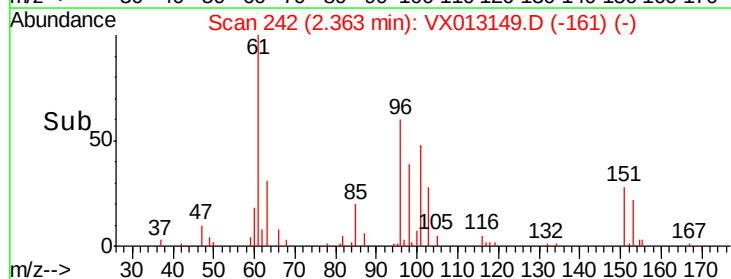
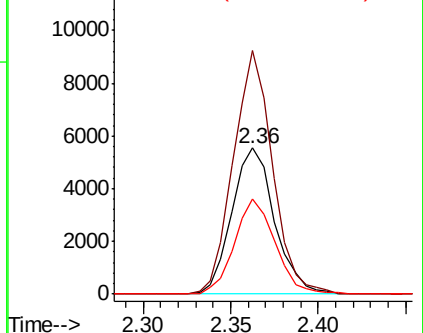
98 65.6 49.5 74.3

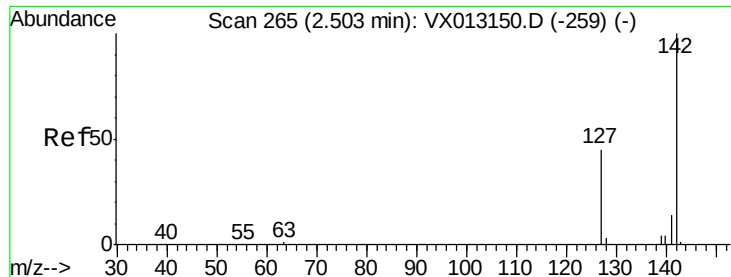


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

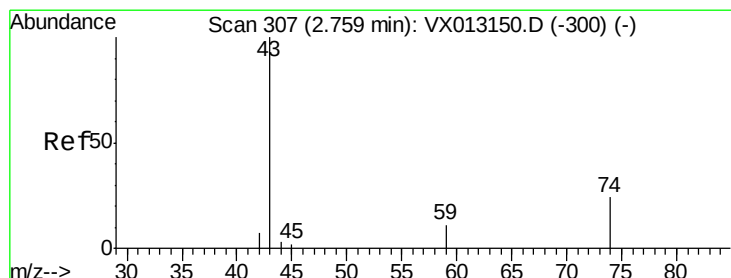
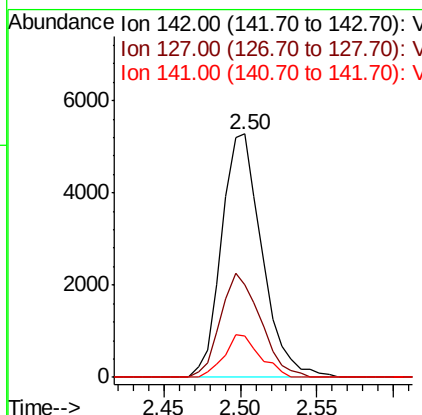
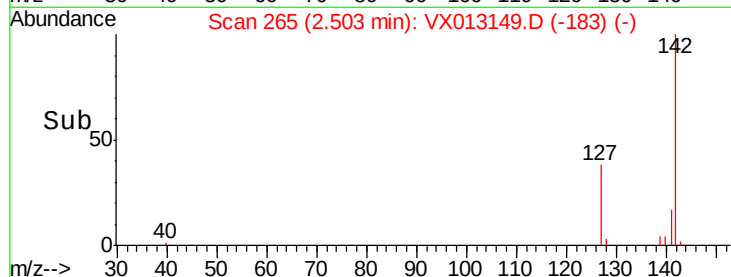
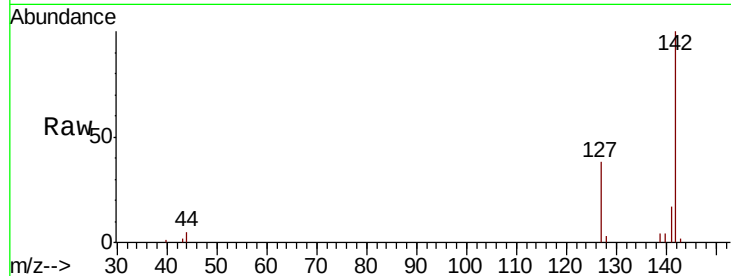




#11
Methvl Iodide
Concen: 4.663 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

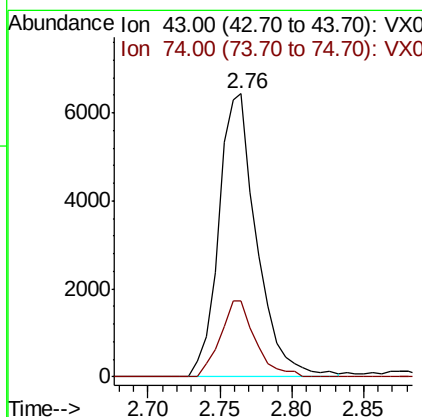
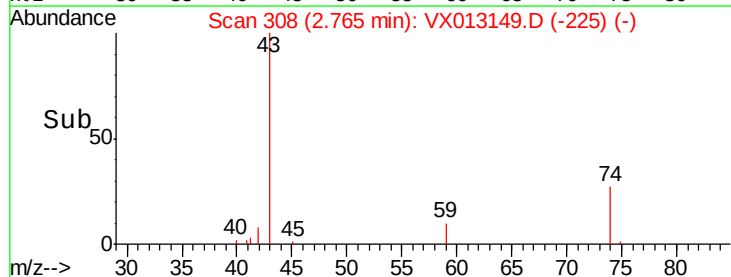
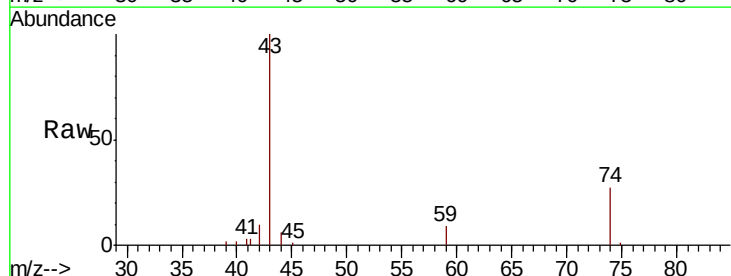
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

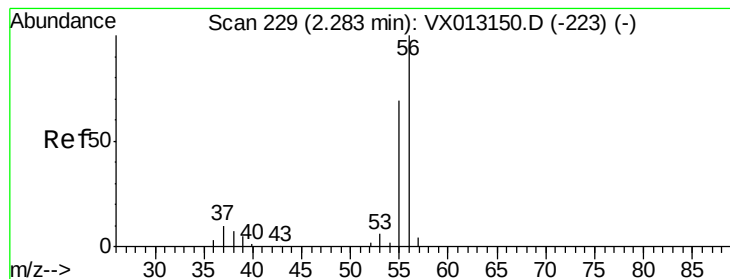
Tot Ion:142 Resp: 9677
Ion Ratio Lower Upper
142 100
127 38.1 22.3 66.9
141 16.8 7.1 21.3



#12
Methyl Acetate
Concen: 5.110 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion: 43 Resp: 11840
Ion Ratio Lower Upper
43 100
74 26.8 19.7 29.5





#13

Acrolein

Concen: 17.962 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

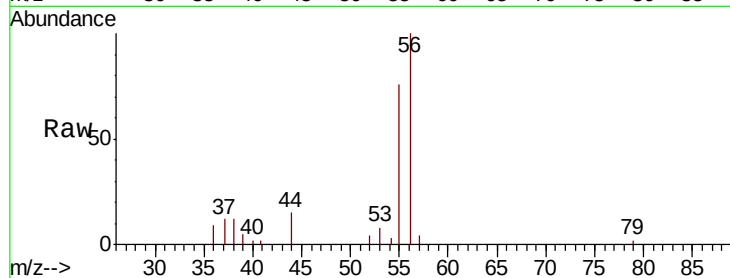
VSTDIC005

Tot Ion: 56 Resp: 6085

Ion Ratio Lower Upper

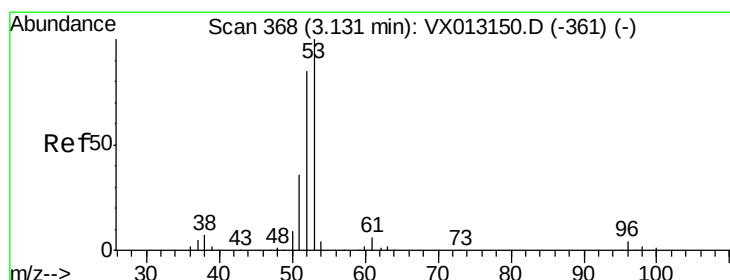
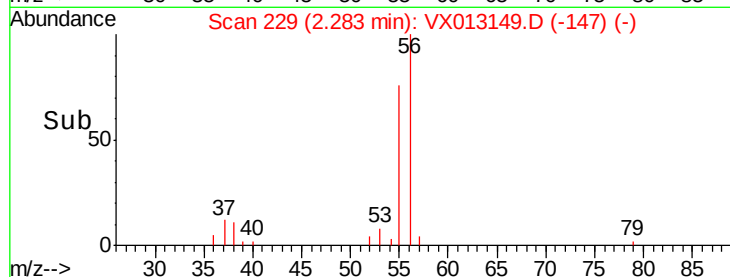
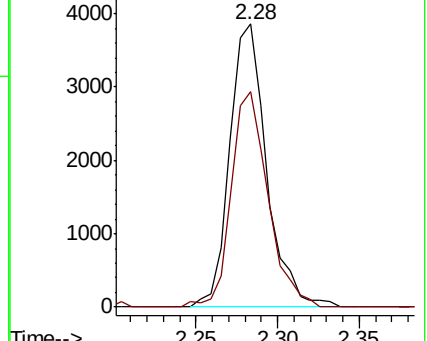
56 100

55 75.0 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 25.404 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

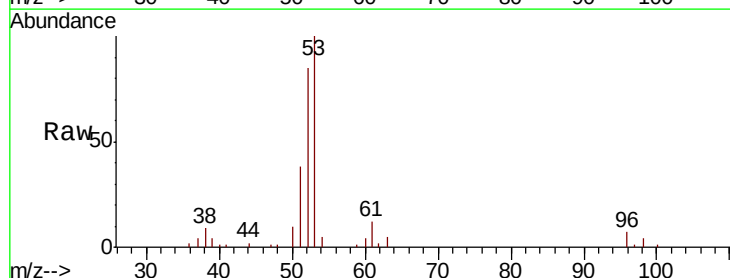
Tgt Ion: 53 Resp: 24540

Ion Ratio Lower Upper

53 100

52 82.9 42.0 126.0

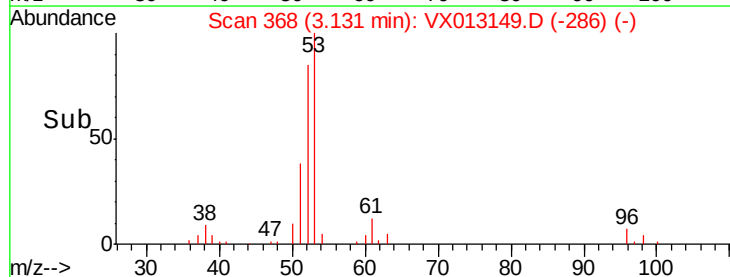
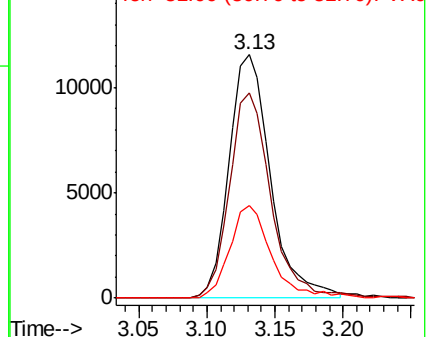
51 37.0 18.6 56.0

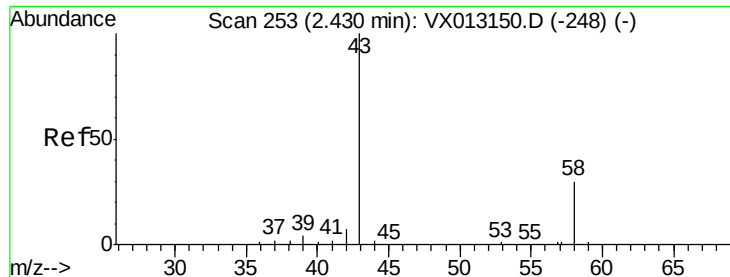


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 24.382 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

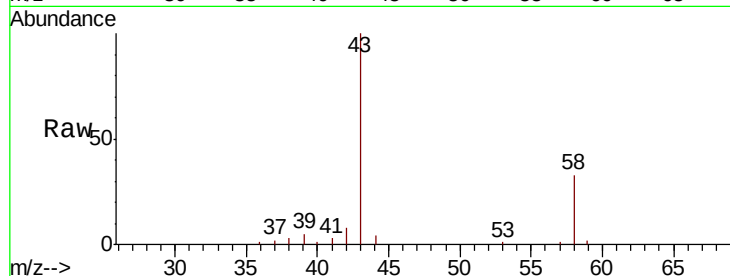
VSTDIC005

Tot Ion: 58 Resp: 8035

Ion Ratio Lower Upper

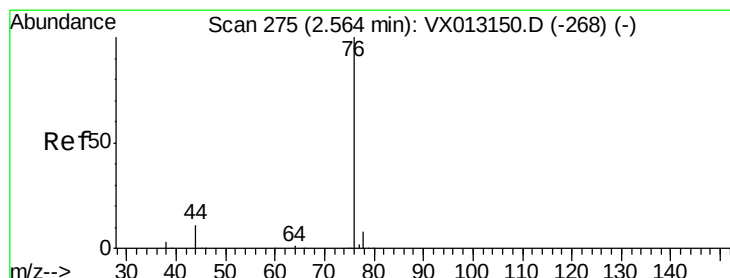
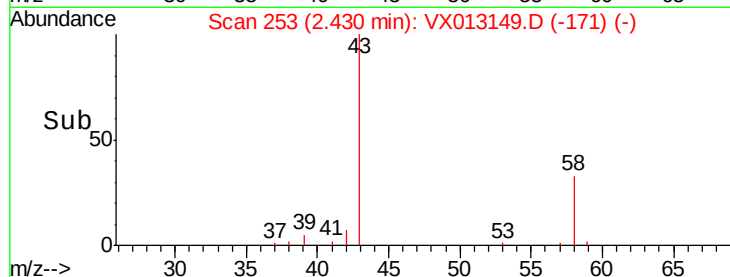
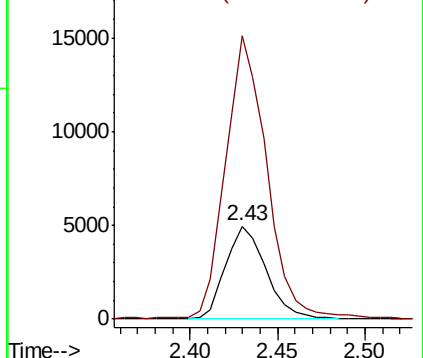
58 100

43 302.5 262.8 394.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 5.366 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013149.D

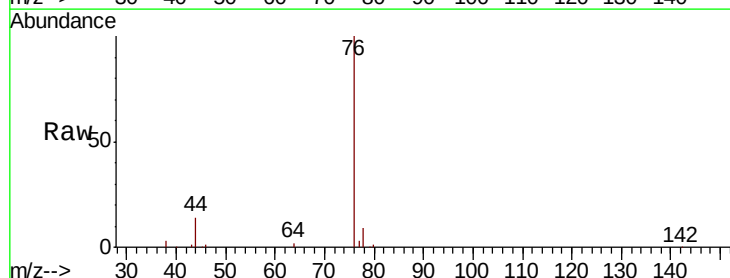
Acq: 21 Oct 2019 12:13

Tgt Ion: 76 Resp: 24206

Ion Ratio Lower Upper

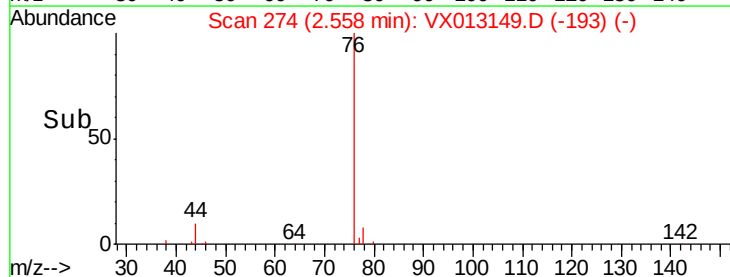
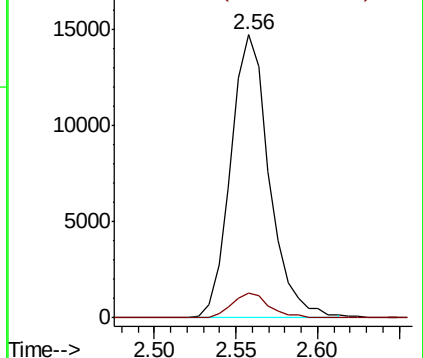
76 100

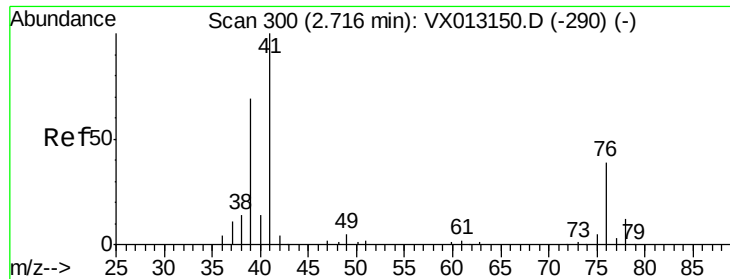
78 8.7 6.6 10.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

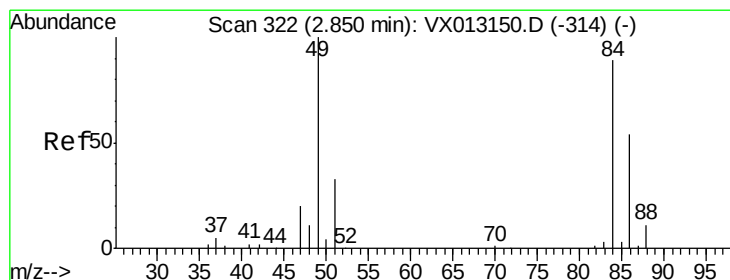
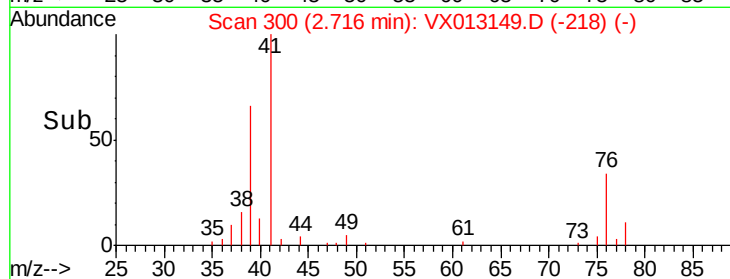
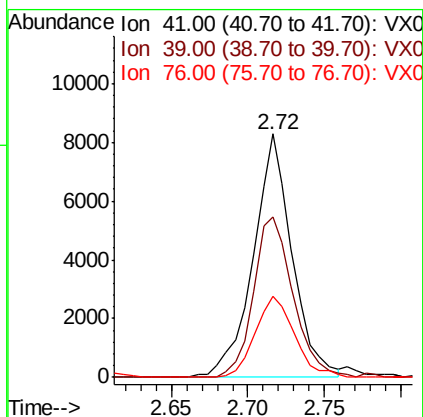
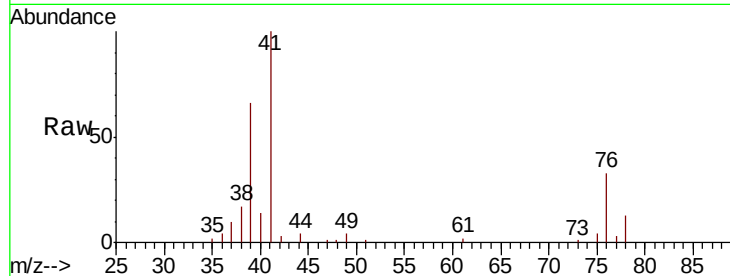




#17
Allvl chloride
Concen: 5.220 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

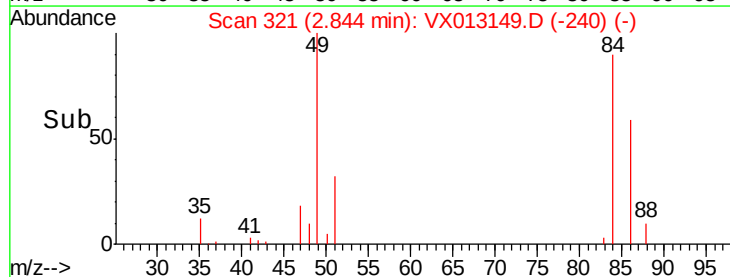
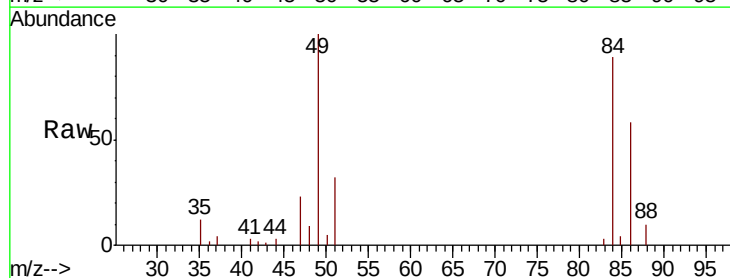
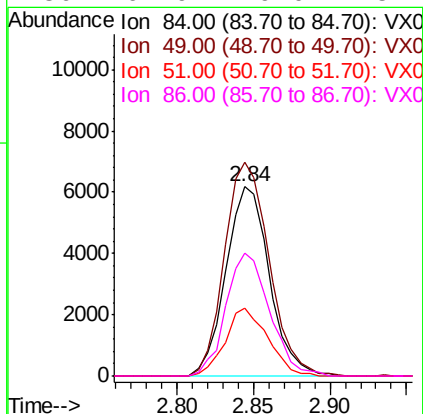
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

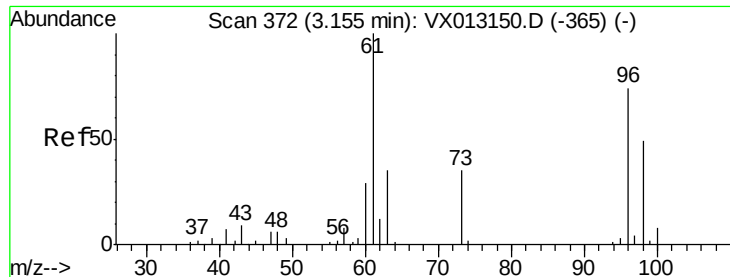
Tot Ion: 41 Resp: 14642
Ion Ratio Lower Upper
41 100
39 65.7 34.7 104.1
76 33.4 19.7 59.0



#18
Methylene Chloride
Concen: 6.397 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion: 84 Resp: 12154
Ion Ratio Lower Upper
84 100
49 112.8 90.3 135.5
51 35.6 29.9 44.9
86 64.9 49.0 73.4

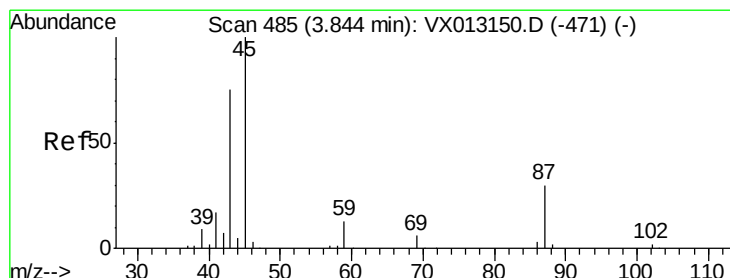
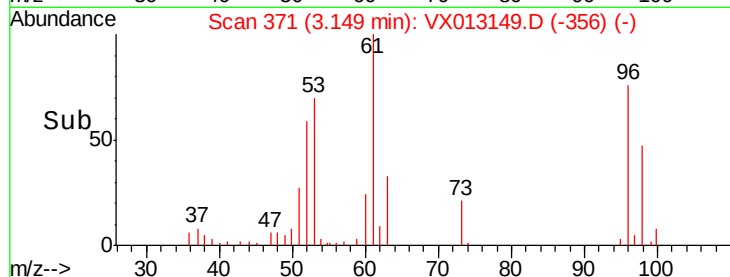
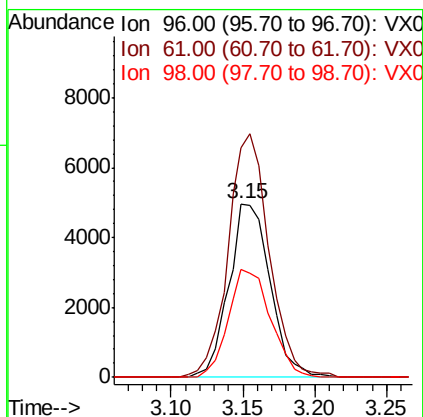
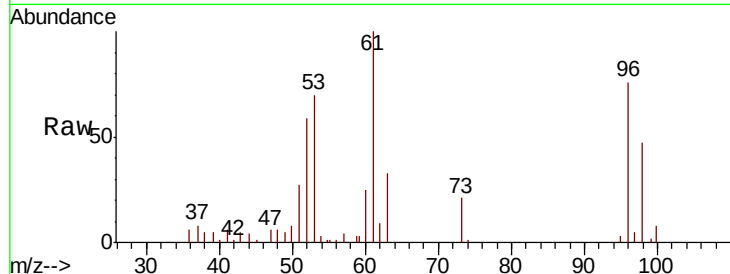




#19
trans-1,2-Dichloroethene
Concen: 5.590 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

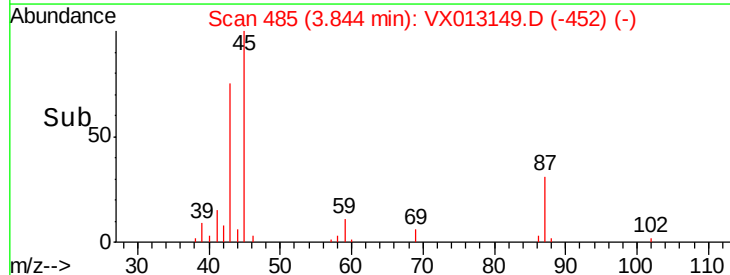
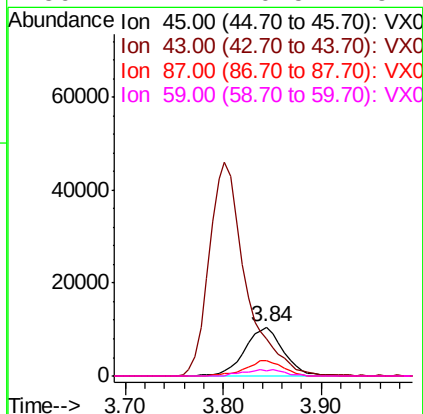
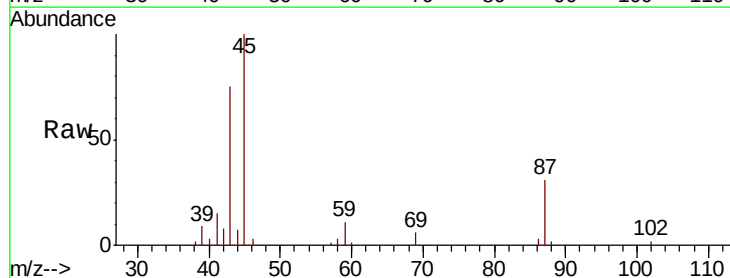
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

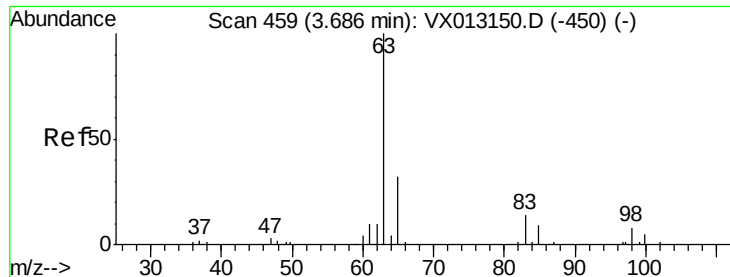
Tot Ion: 96 Resp: 9969
Ion Ratio Lower Upper
96 100
61 132.1 108.6 162.8
98 62.0 53.4 80.0



#20
Diisopropyl ether
Concen: 5.322 ug/l
RT: 3.84 min Scan# 485
Delta R.T. -0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion: 45 Resp: 28564
Ion Ratio Lower Upper
45 100
43 72.8 60.6 91.0
87 30.5 24.2 36.2
59 11.4 10.5 15.7

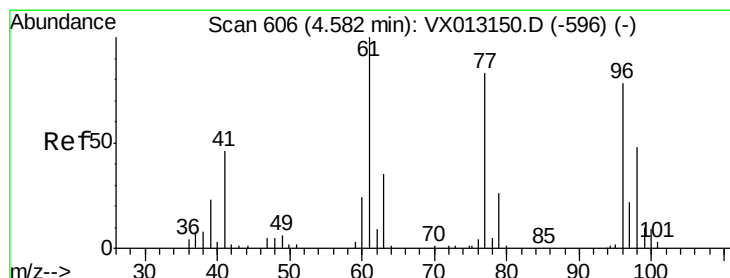
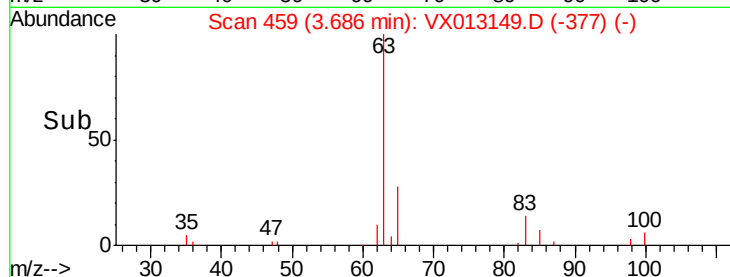
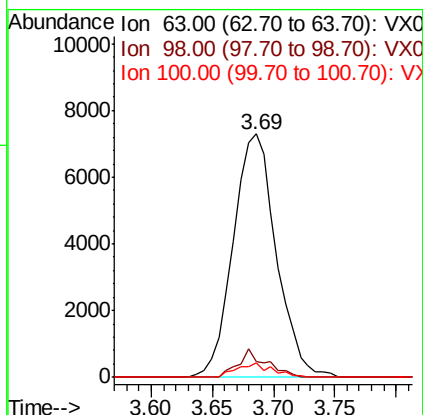
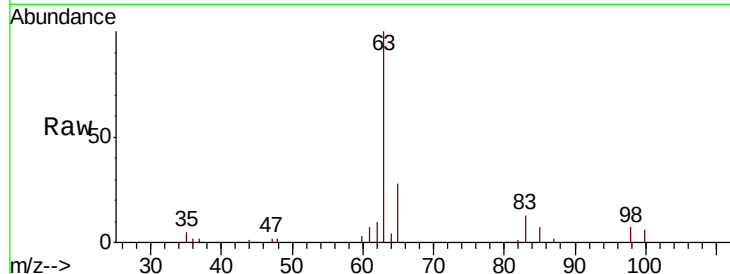




#21
1,1-Dichloroethane
Concen: 5.699 ug/l
RT: 3.69 min Scan# 459
Delta R.T. -0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

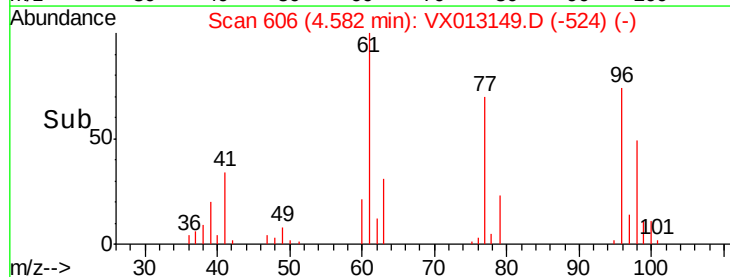
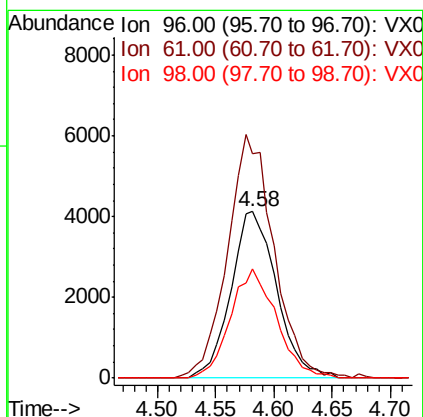
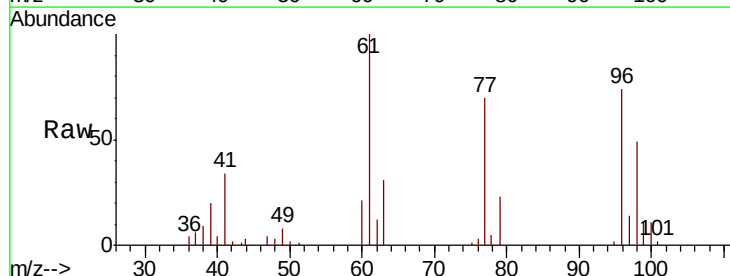
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

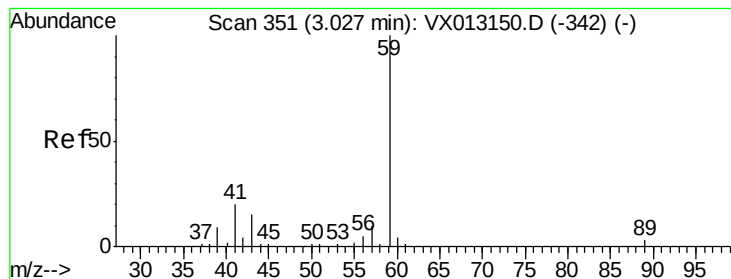
Tot Ion: 63 Resp: 17812
Ion Ratio Lower Upper
63 100
98 6.6 4.2 12.4
100 6.0 2.4 7.2



#22
cis-1,2-Dichloroethene
Concen: 5.475 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion: 96 Resp: 11269
Ion Ratio Lower Upper
96 100
61 148.4 112.5 168.7
98 65.9 51.2 76.8



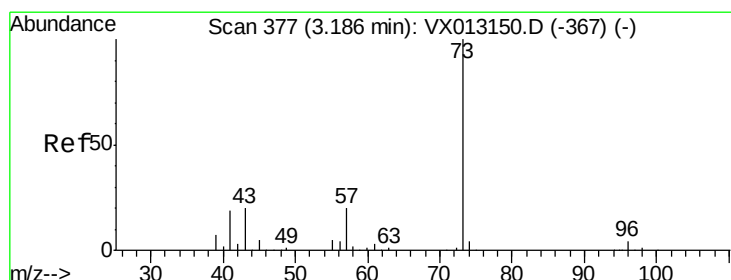
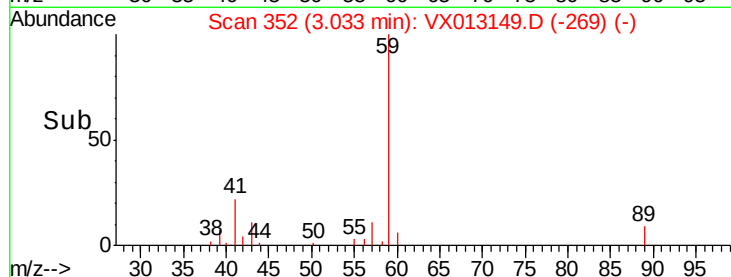
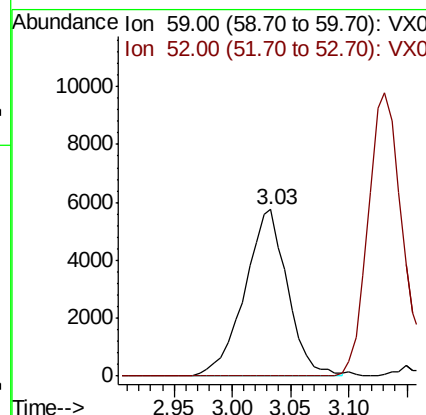
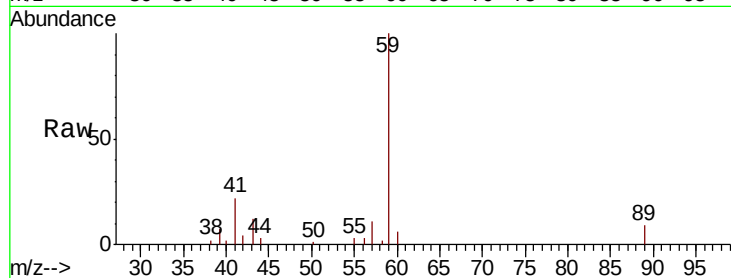


#23

tert-Butyl Alcohol
 Concen: 30.026 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

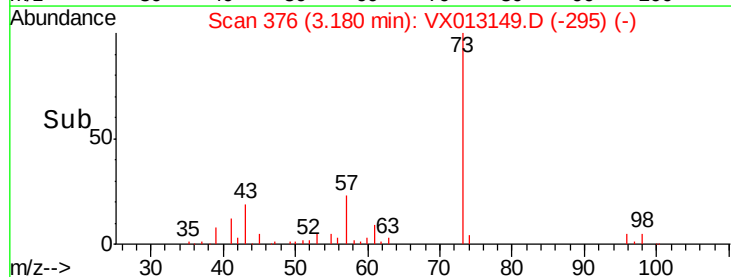
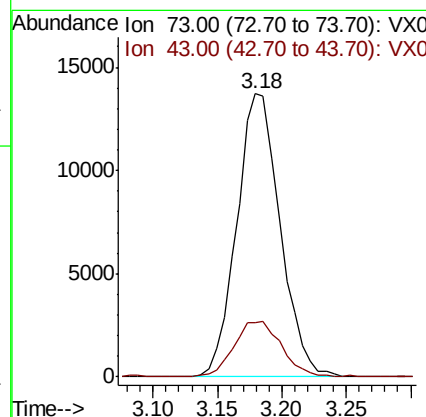
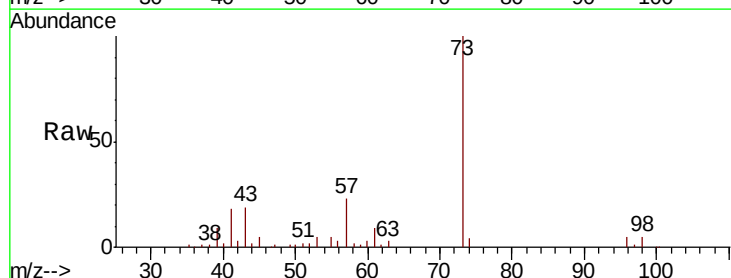
Tot Ion: 59 Resp: 14773
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

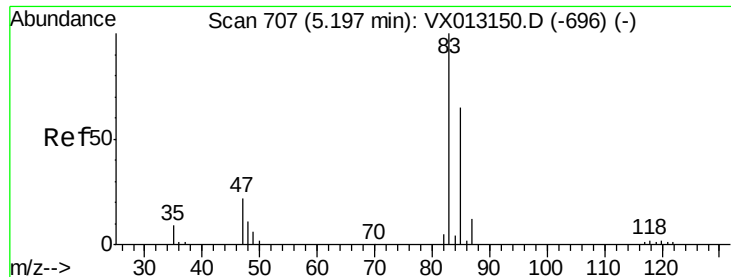


#24

Methyl tert-Butyl Ether
 Concen: 5.649 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Tgt Ion: 73 Resp: 32101
 Ion Ratio Lower Upper
 73 100
 43 21.4 17.1 25.7





#25

Chloroform

Concen: 5.719 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

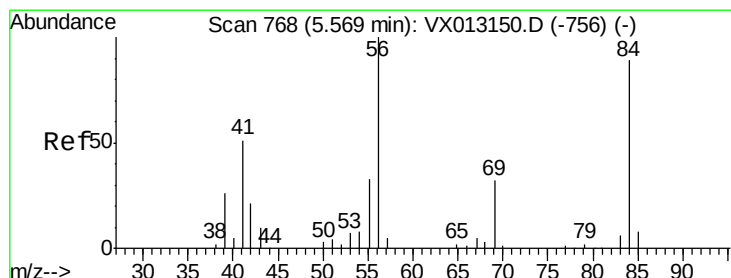
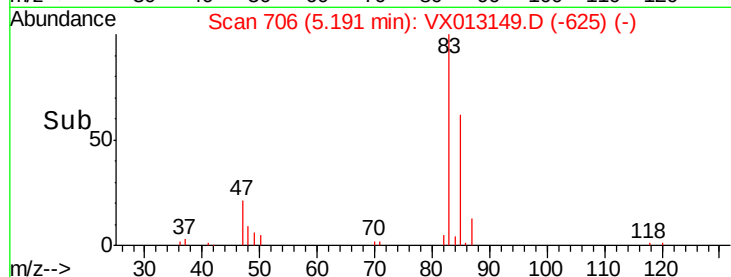
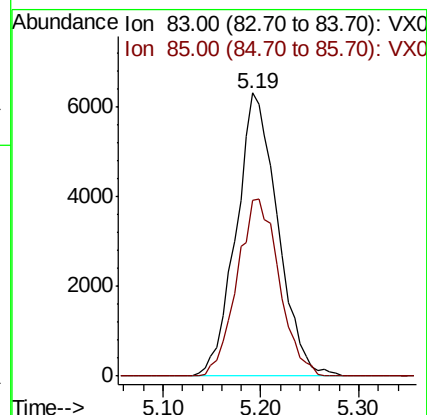
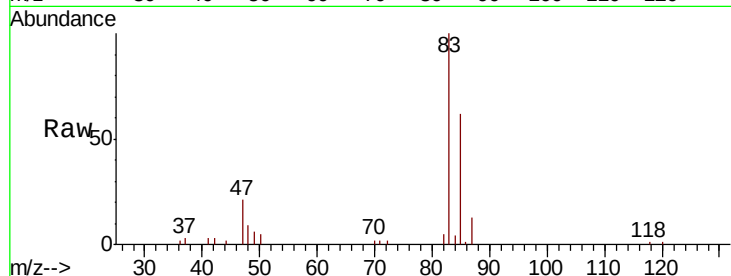
VSTDIC005

Tot Ion: 83 Resp: 18537

Ion Ratio Lower Upper

83 100

85 61.9 52.0 78.0



#26

Cyclohexane

Concen: 5.525 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

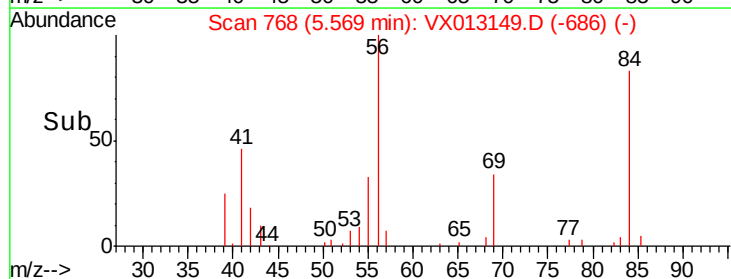
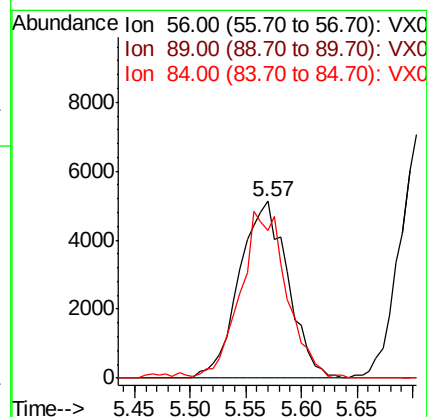
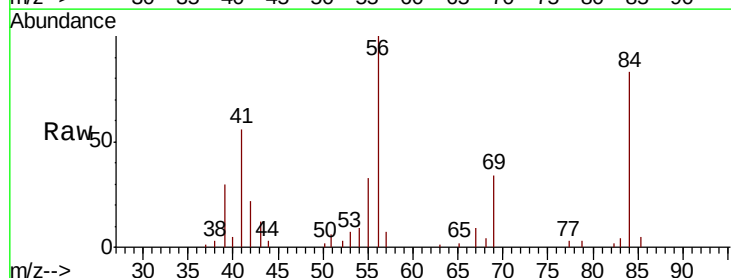
Tgt Ion: 56 Resp: 15578

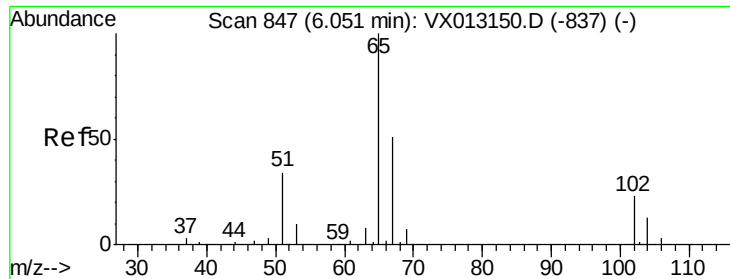
Ion Ratio Lower Upper

56 100

89 0.0 0.2 0.2#

84 53.5 74.0 111.0#





#27

1,2-Dichloroethane-d4

Concen: 30.465 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

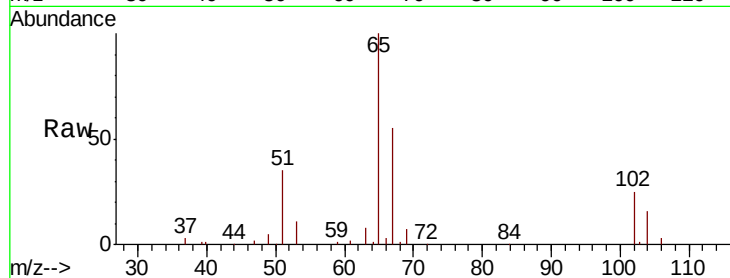
VSTDIC005

Tot Ion: 65 Resp: 64595

Ion Ratio Lower Upper

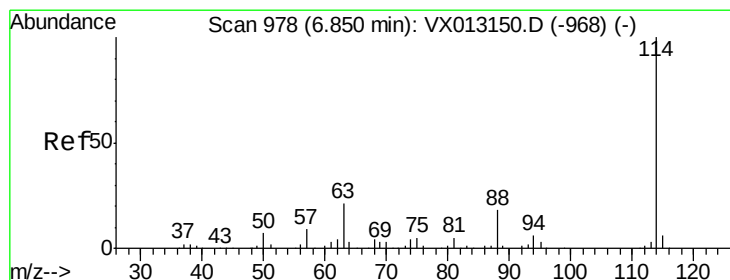
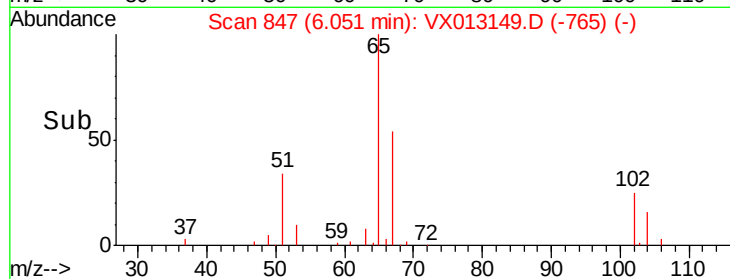
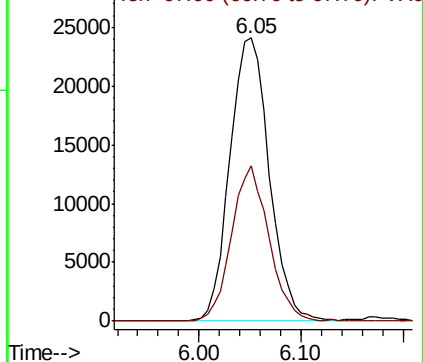
65 100

67 51.8 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: VX013149.D

Acq: 21 Oct 2019 12:13

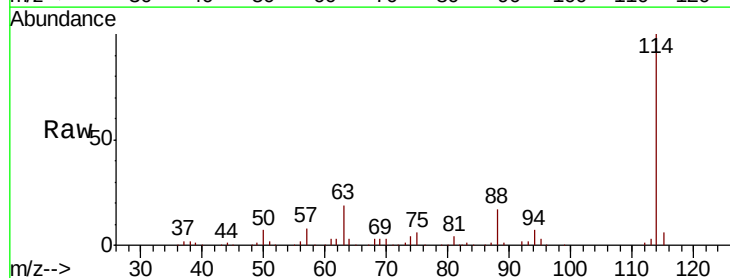
Tgt Ion: 114 Resp: 161557

Ion Ratio Lower Upper

114 100

63 19.9 16.1 24.1

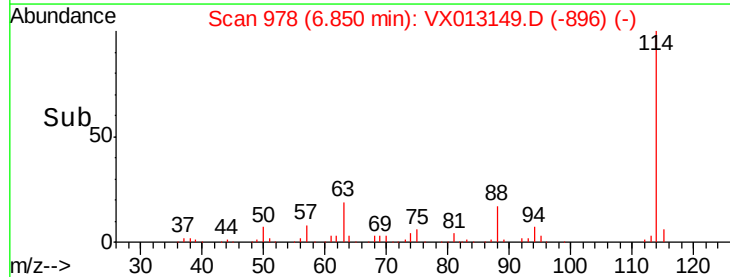
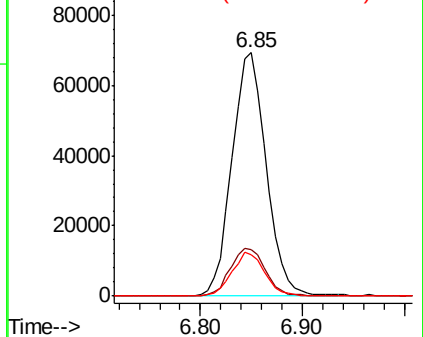
88 17.2 13.7 20.5

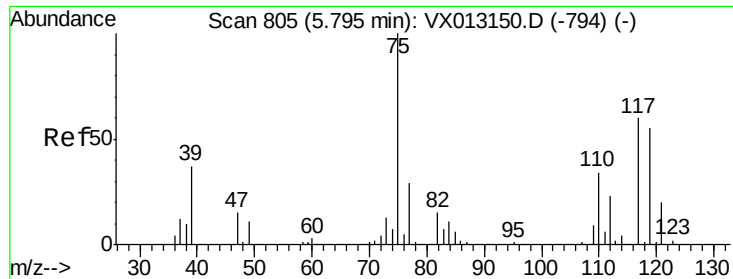


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 5.407 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

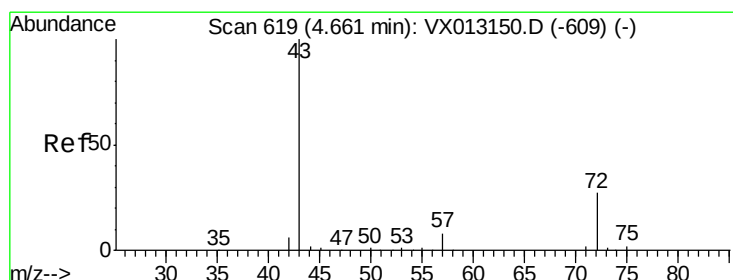
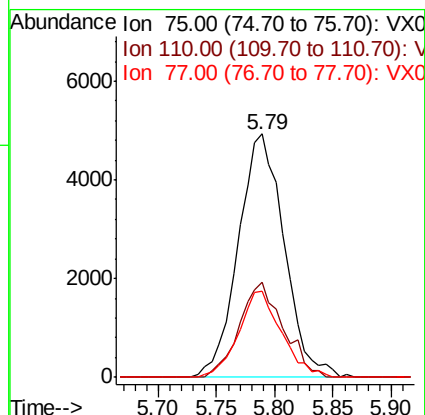
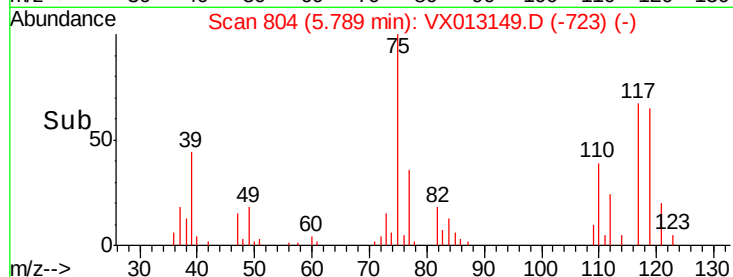
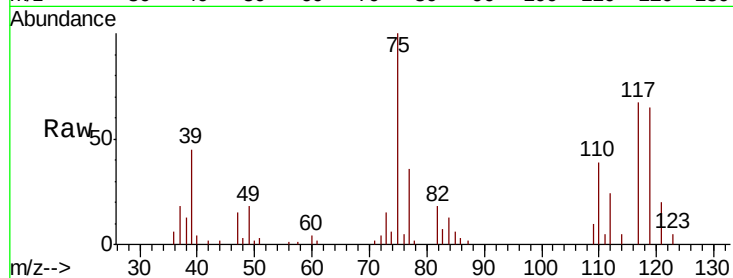
Tot Ion: 75 Resp: 13503

Ion Ratio Lower Upper

75 100

110 37.4 0.0 68.4

77 33.1 0.0 30.8#



#30

2-Butanone

Concen: 24.309 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

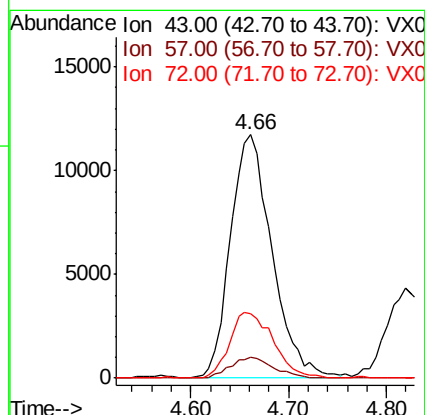
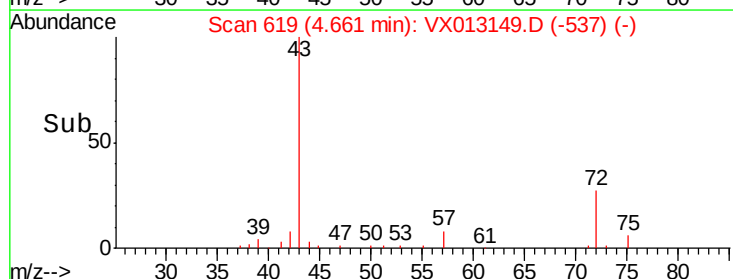
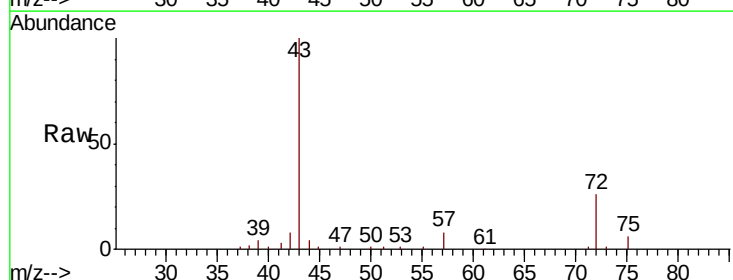
Tgt Ion: 43 Resp: 34705

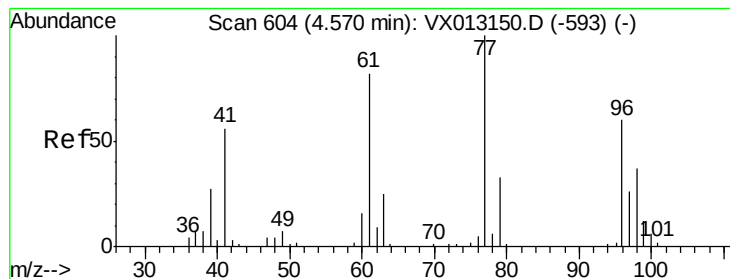
Ion Ratio Lower Upper

43 100

57 8.6 7.0 10.6

72 28.2 23.4 35.2





#31

2,2-Dichloropropane

Concen: 5.651 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

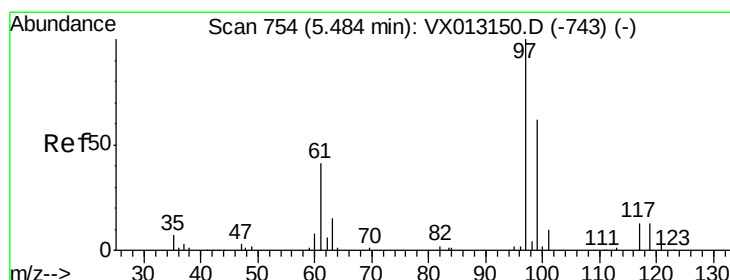
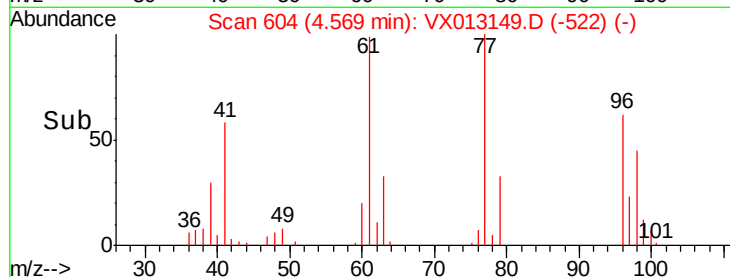
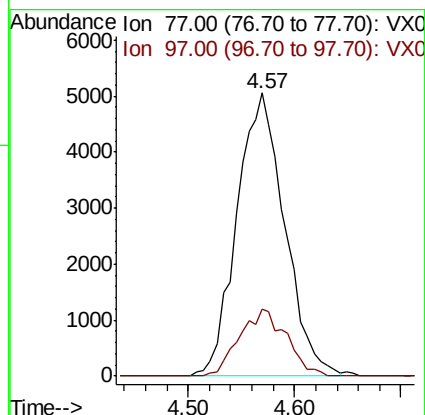
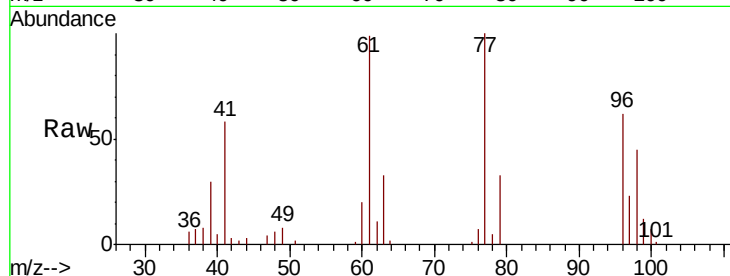
VSTDIC005

Tot Ion: 77 Resp: 15868

Ion Ratio Lower Upper

77 100

97 16.9 19.1 28.7#



#32

1,1,1-Trichloroethane

Concen: 5.669 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

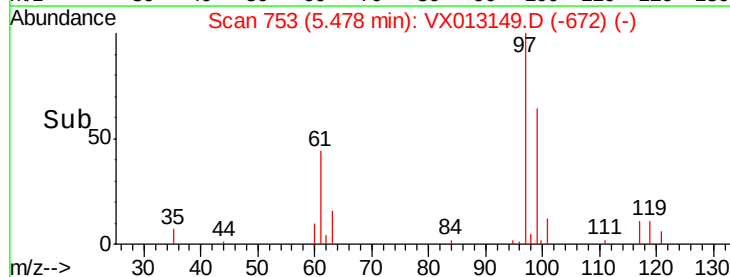
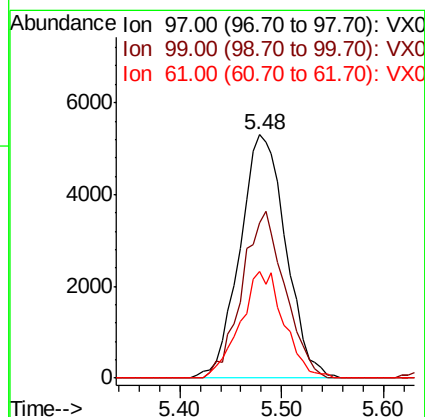
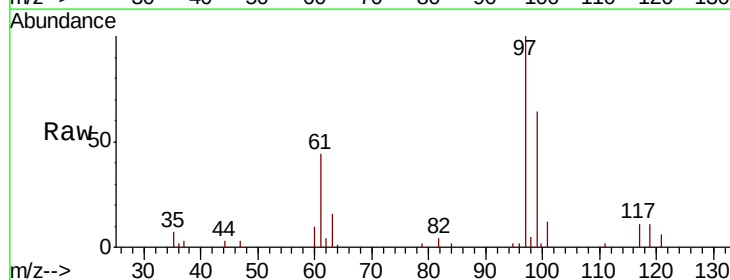
Tgt Ion: 97 Resp: 16597

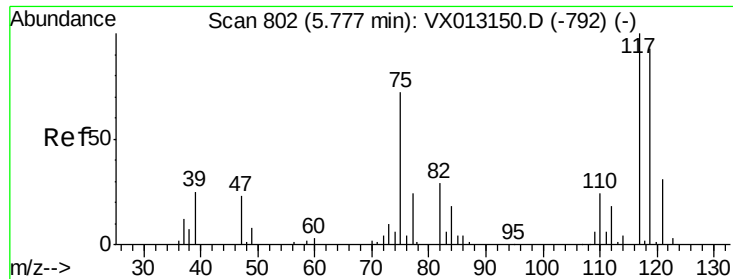
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.8

61 25.4 33.5 50.3#

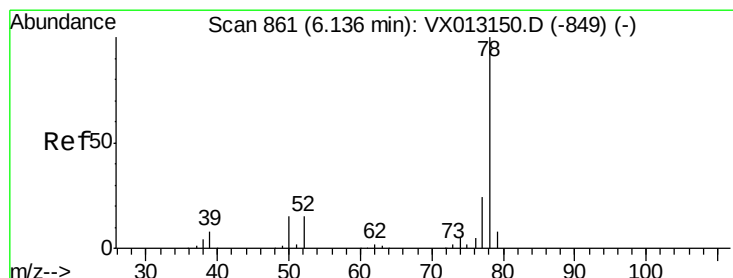
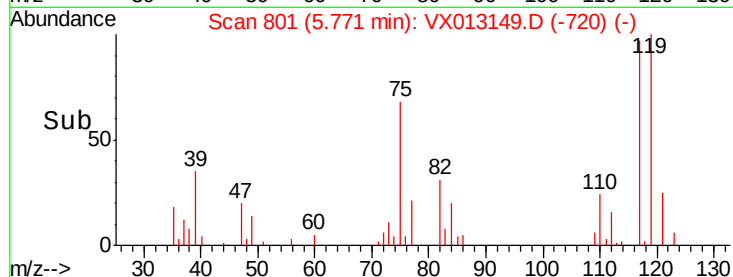
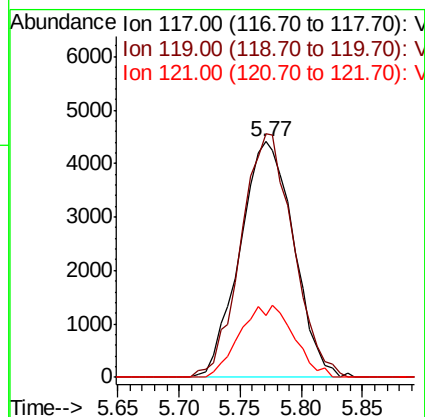
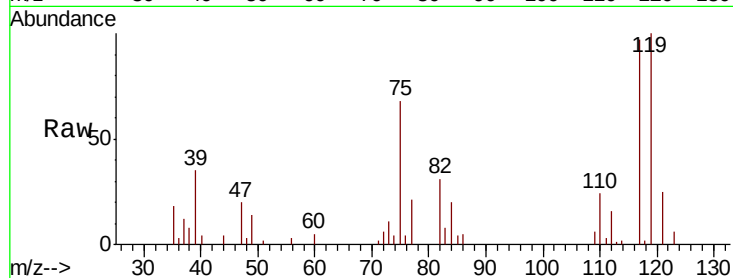




#33
Carbon Tetrachloride
Concen: 5.373 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

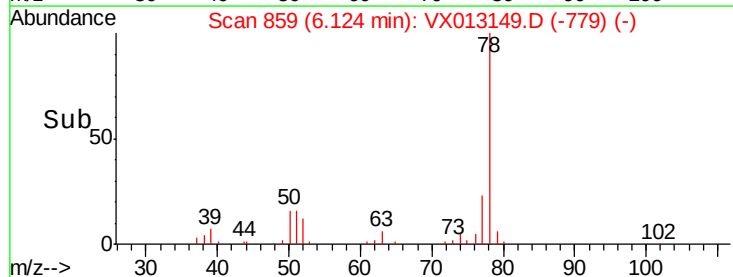
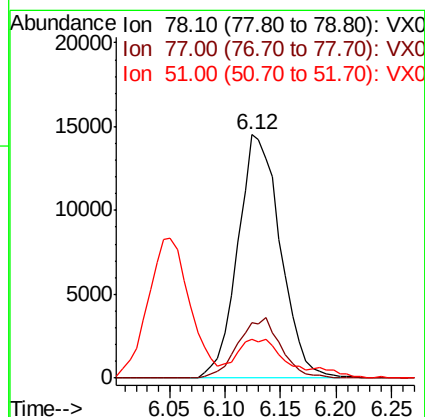
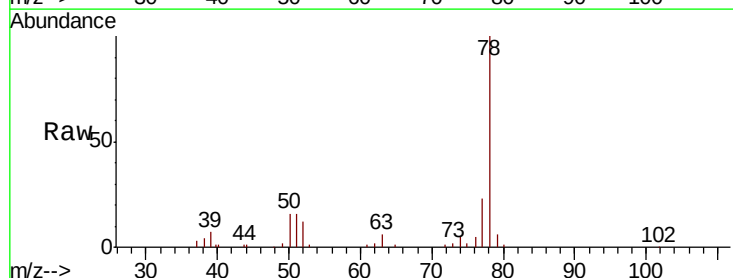
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

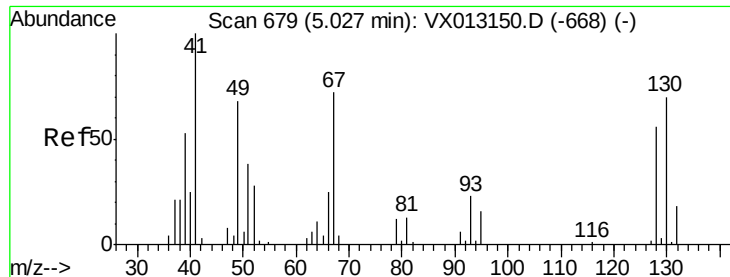
Tot Ion:117 Resp: 13493
Ion Ratio Lower Upper
117 100
119 103.4 74.9 112.3
121 26.1 25.0 37.4



#34
Benzene
Concen: 5.285 ug/l
RT: 6.12 min Scan# 859
Delta R.T. -0.01 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion: 78 Resp: 38732
Ion Ratio Lower Upper
78 100
77 22.9 19.3 28.9
51 14.4 11.4 17.2

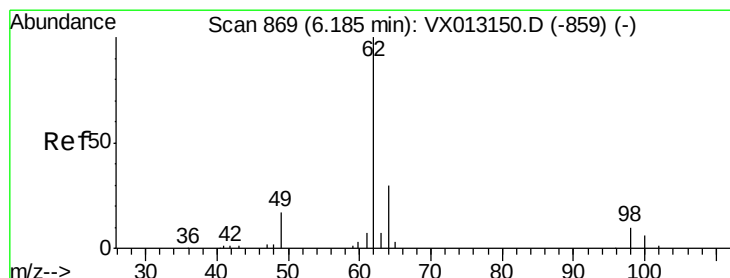
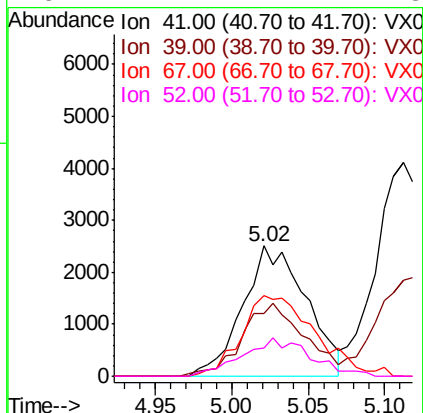
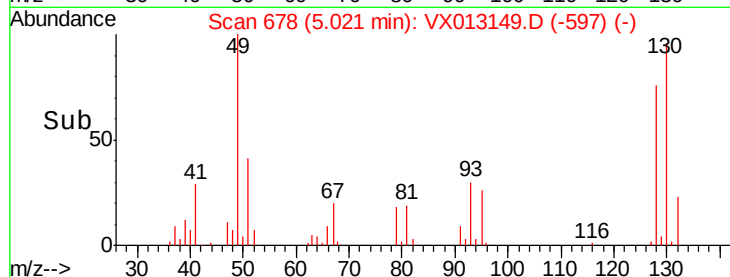
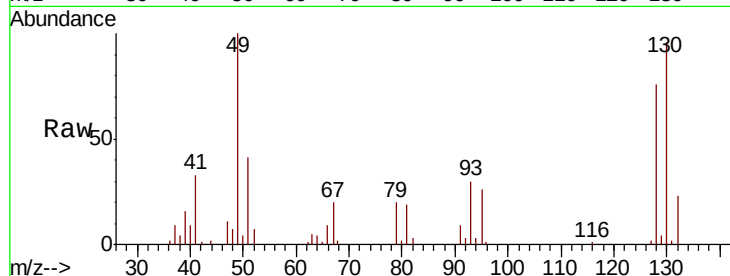




#35
Methacrylonitrile
Concen: 5.114 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

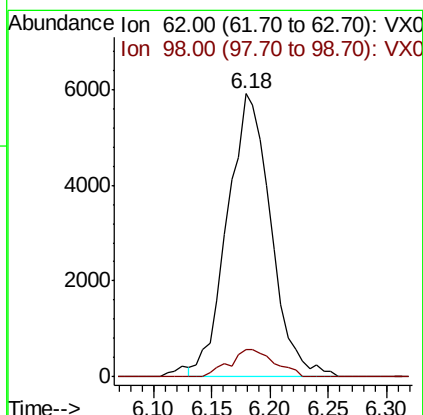
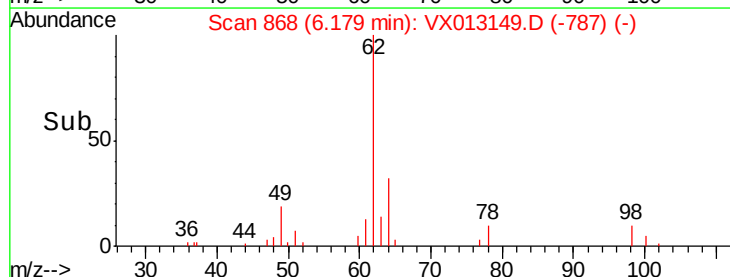
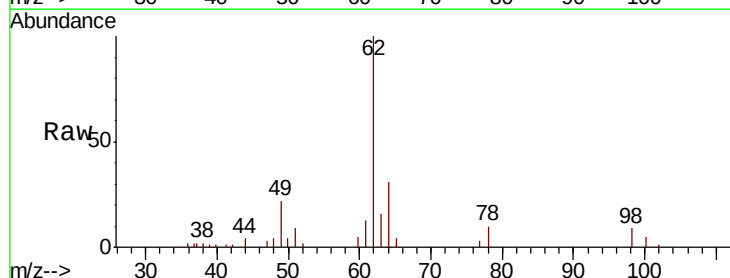
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

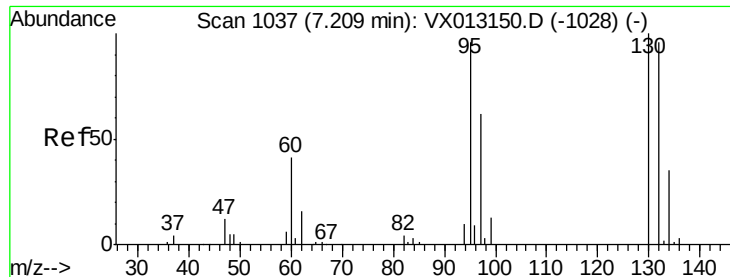
Tot Ion:	41	Resp:	7231
Ion	Ratio	Lower	Upper
41	100		
39	46.1	26.3	78.9
67	61.9	35.8	107.4
52	21.7	14.1	42.3



#36
1,2-Dichloroethane
Concen: 5.717 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion:	62	Resp:	15307
Ion	Ratio	Lower	Upper
62	100		
98	8.0	8.0	12.0





#37

Trichloroethene

Concen: 5.554 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

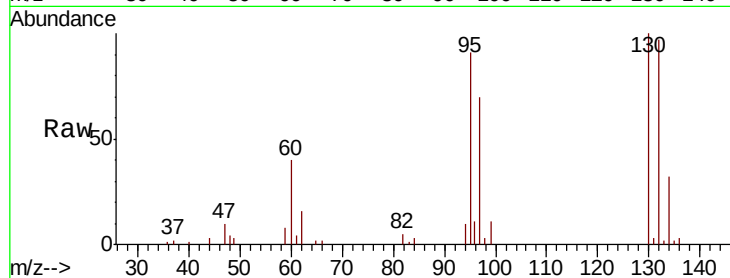
VSTDIC005

Tot Ion:130 Resp: 10975

Ion Ratio Lower Upper

130 100

95 91.1 77.0 115.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

6000

5000

4000

3000

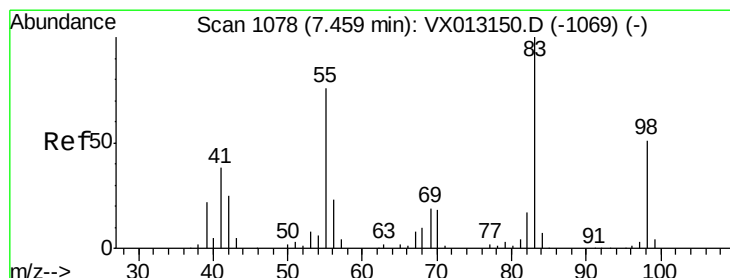
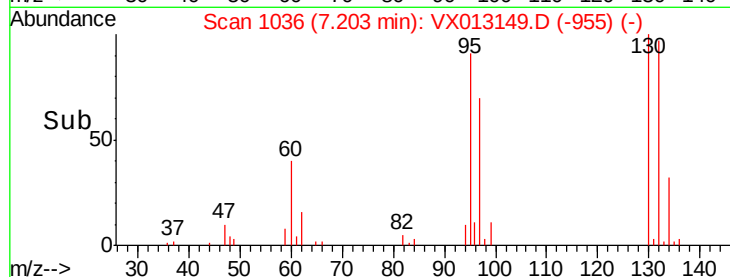
2000

1000

0

Time-->

7.15 7.20 7.25



#38

Methylcyclohexane

Concen: 5.466 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

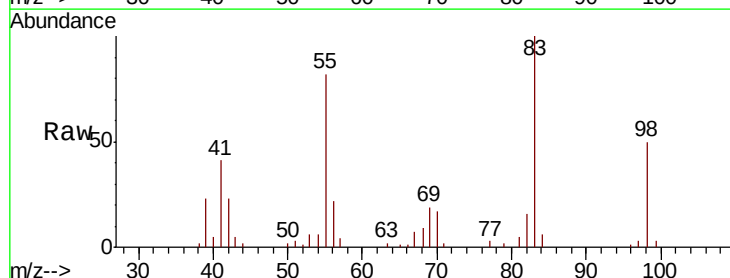
Tgt Ion: 83 Resp: 16604

Ion Ratio Lower Upper

83 100

55 78.1 37.5 112.5

98 47.8 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

10000

8000

6000

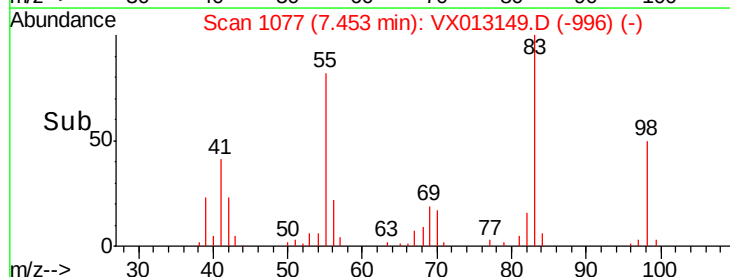
4000

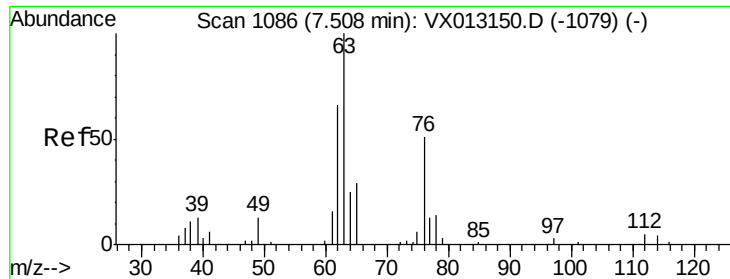
2000

0

Time-->

7.40 7.45 7.50

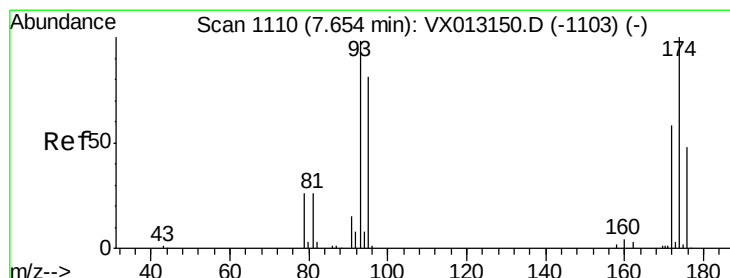
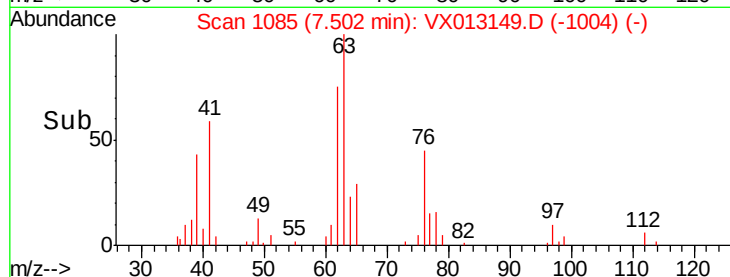
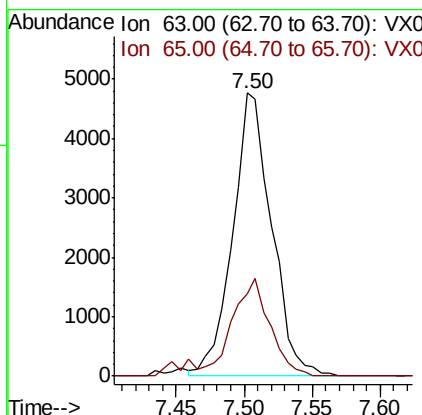
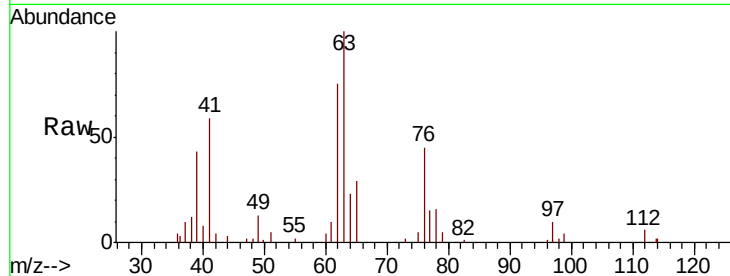




#39
 1,2-Dichloropropane
 Concen: 5.217 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

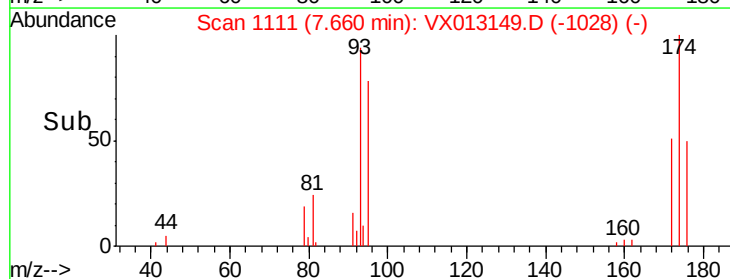
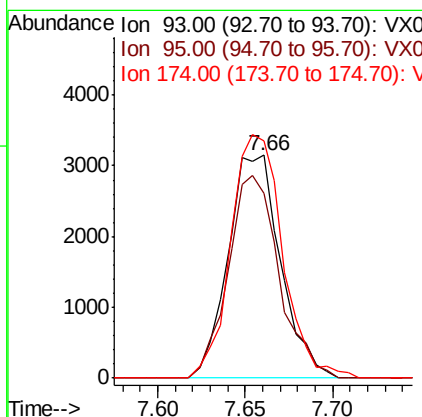
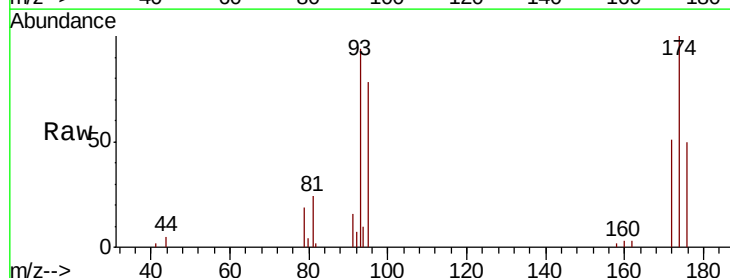
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

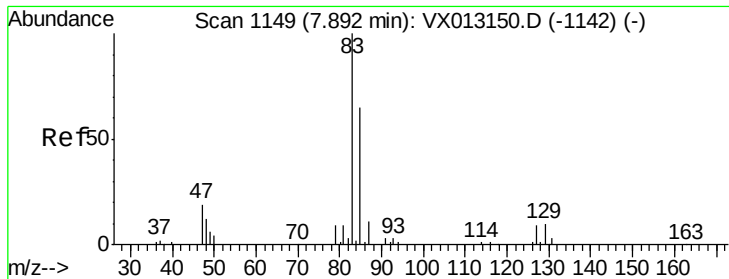
Tot Ion: 63 Resp: 9532
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.8 37.2



#40
 Dibromomethane
 Concen: 5.211 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Tgt Ion: 93 Resp: 6583
 Ion Ratio Lower Upper
 93 100
 95 88.4 0.0 166.0
 174 106.1 0.0 208.8





#41

Bromodichloromethane

Concen: 5.193 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

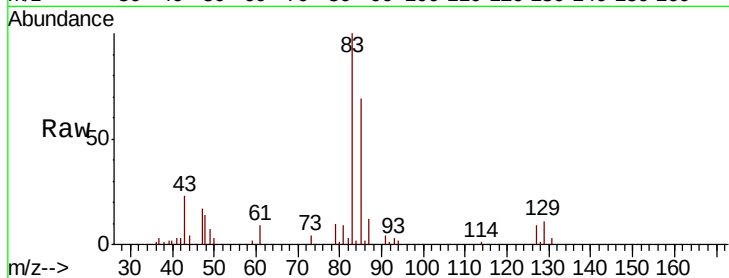
Tot Ion: 83 Resp: 13019

Ion Ratio Lower Upper

83 100

85 69.2 52.1 78.1

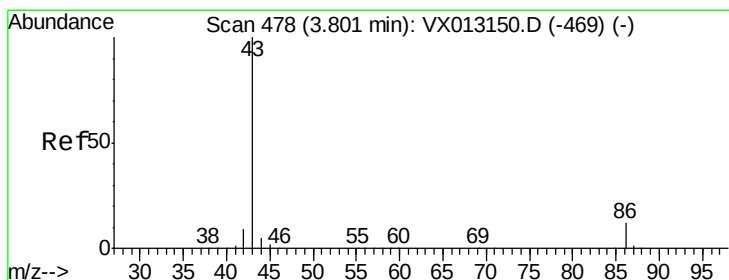
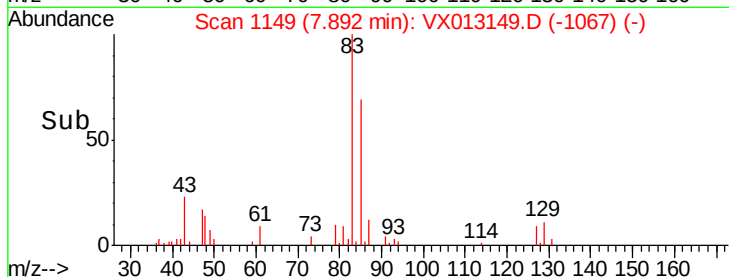
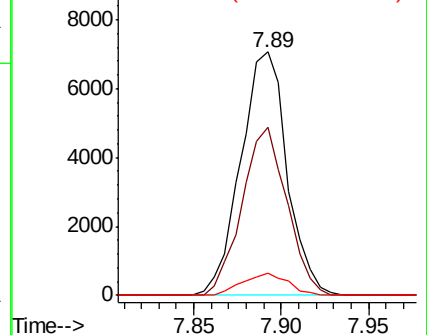
127 9.3 7.5 11.3



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: 25.276 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013149.D

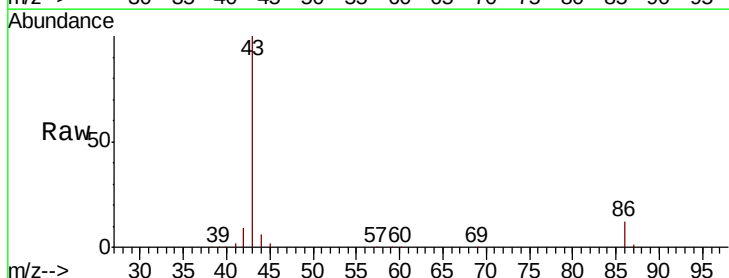
Acq: 21 Oct 2019 12:13

Tgt Ion: 43 Resp: 119810

Ion Ratio Lower Upper

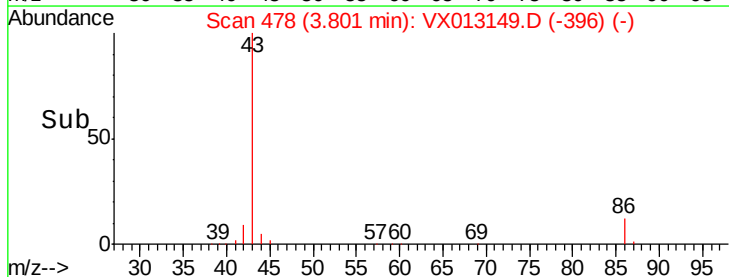
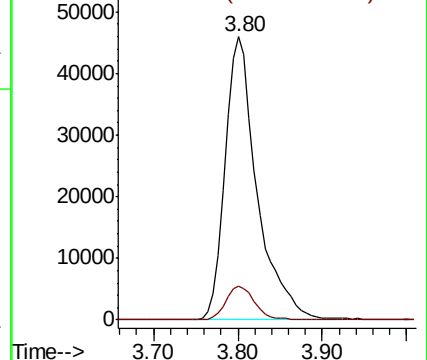
43 100

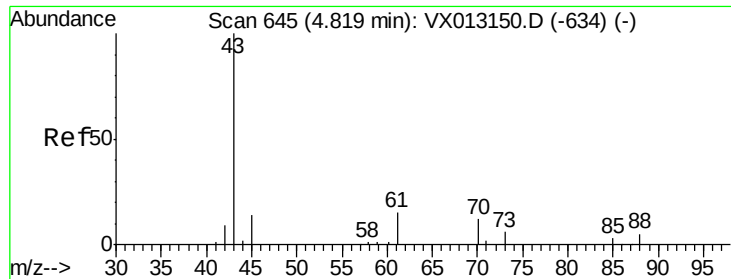
86 10.6 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 4.875 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

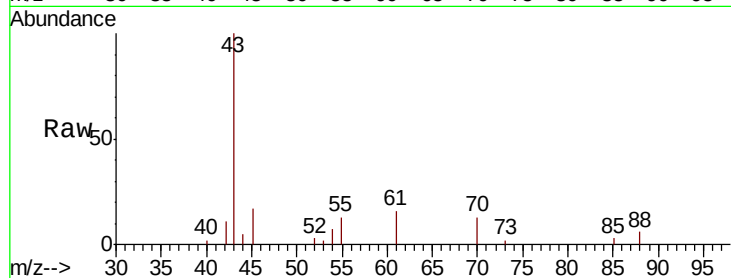
VSTDIC005

Tot Ion: 43 Resp: 12633

Ion Ratio Lower Upper

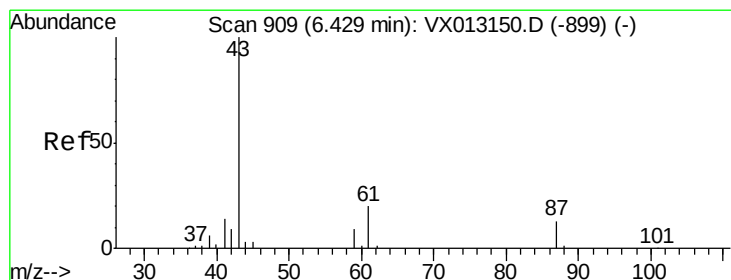
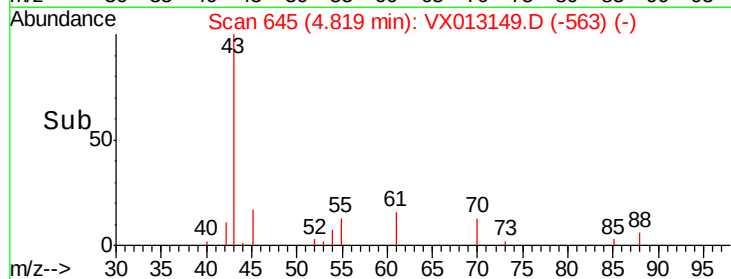
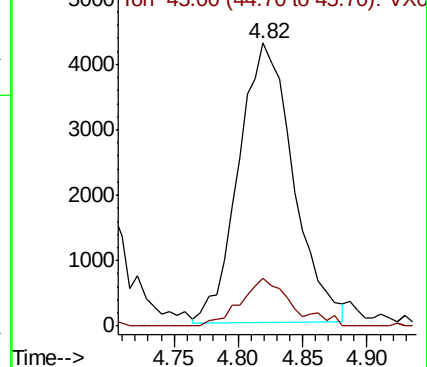
43 100

45 11.2 12.6 18.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 5.008 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX013149.D

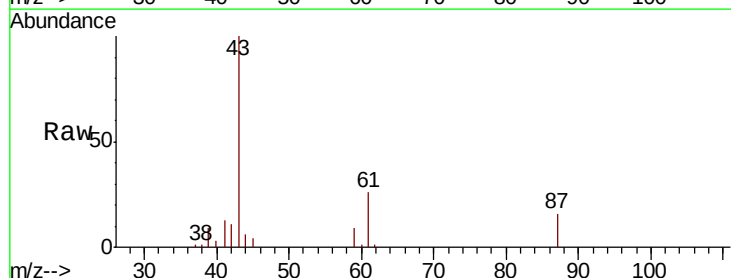
Acq: 21 Oct 2019 12:13

Tgt Ion: 43 Resp: 20987

Ion Ratio Lower Upper

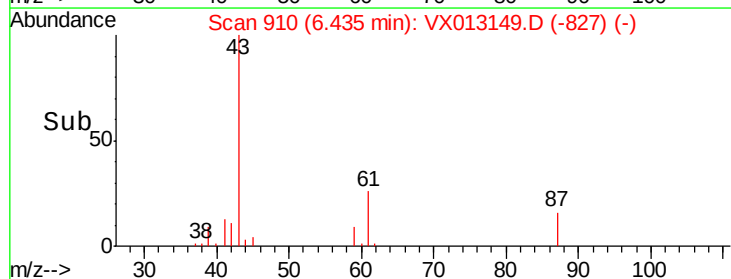
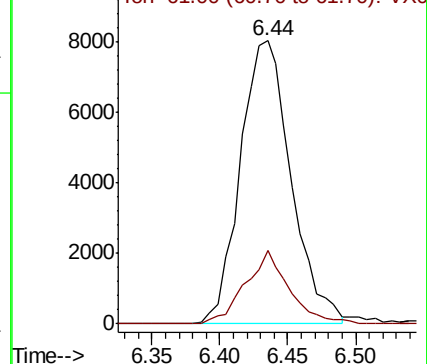
43 100

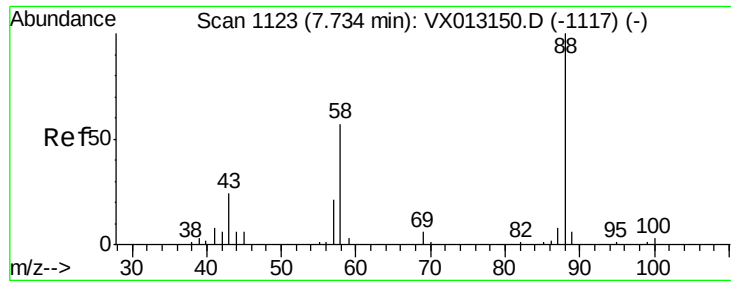
61 22.0 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



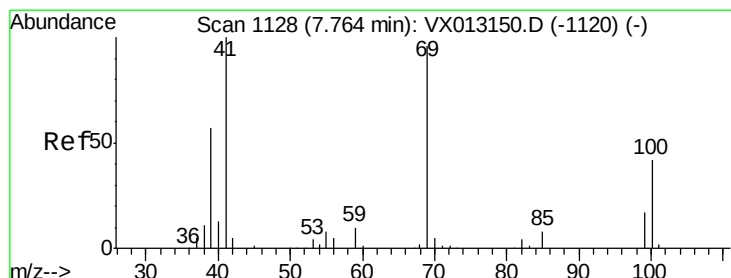
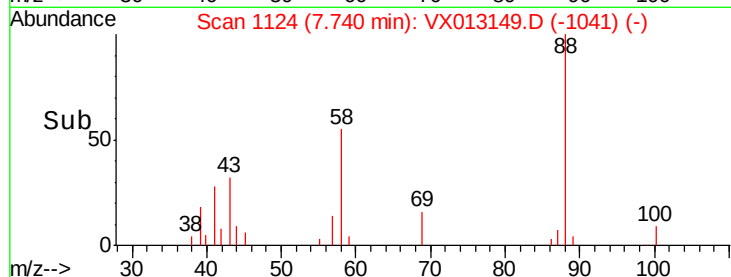
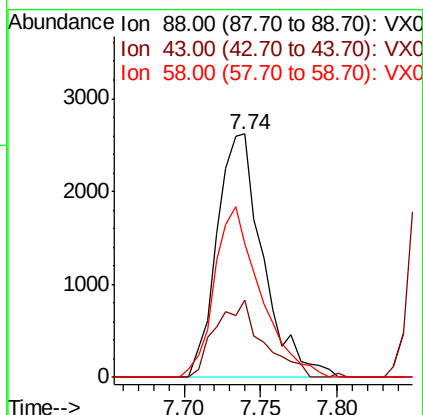
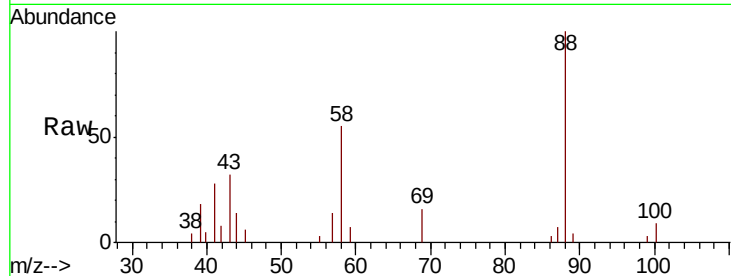


#45
 1,4-Dioxane
 Concen: 104.477 ug/l
 RT: 7.74 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 5475

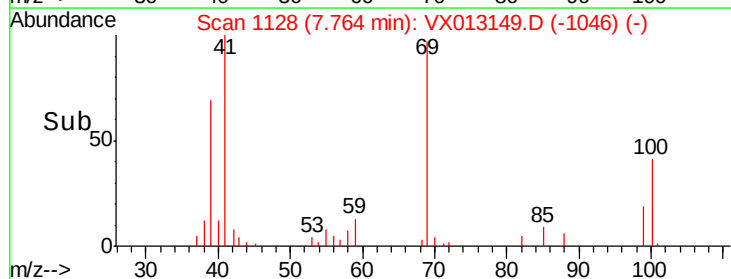
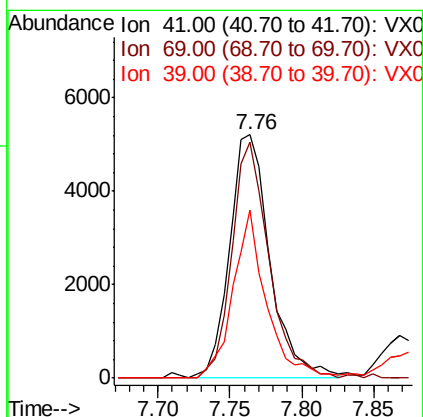
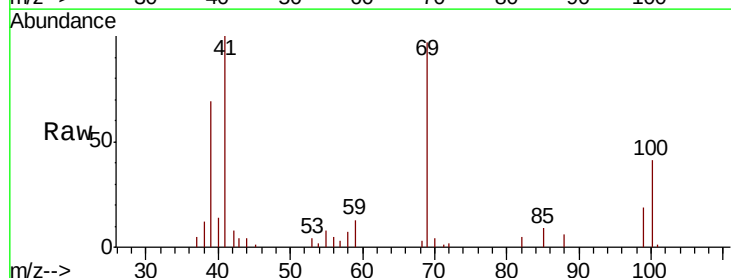
Ion	Ratio	Lower	Upper
88	100		
43	32.8	24.0	36.0
58	70.0	52.8	79.2

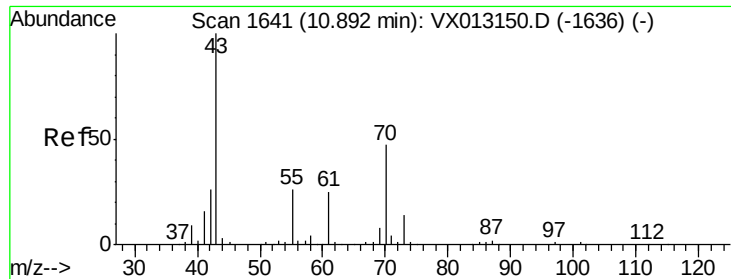


#46
 Methyl methacrylate
 Concen: 4.964 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Tgt Ion: 41 Resp: 10251

Ion	Ratio	Lower	Upper
41	100		
69	96.7	47.8	143.3
39	69.1	28.5	85.5





#47

n-amvl Acetate

Concen: 4.580 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampled :

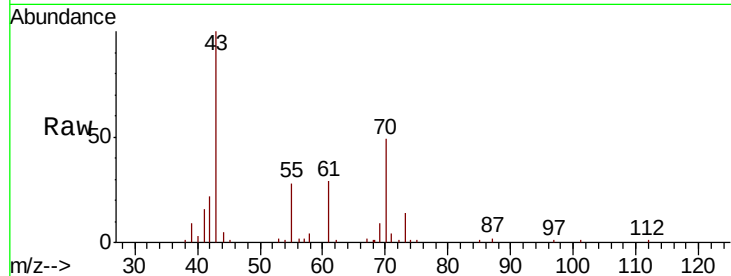
VSTDIC005

Tot Ion: 43 Resp: 16356

Ion Ratio Lower Upper

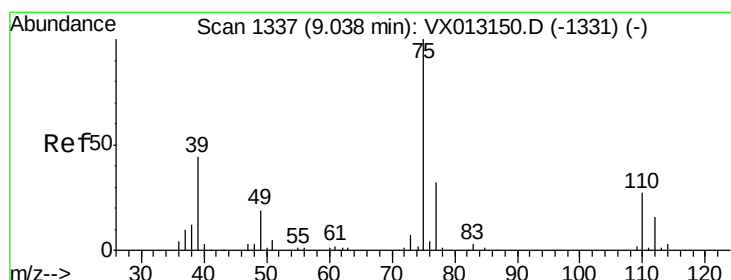
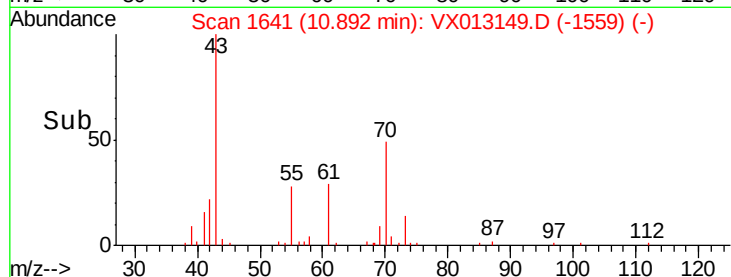
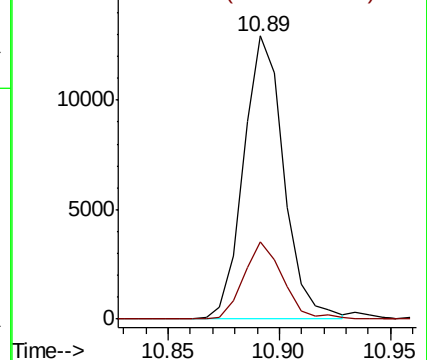
43 100

55 25.8 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: 4.768 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013149.D

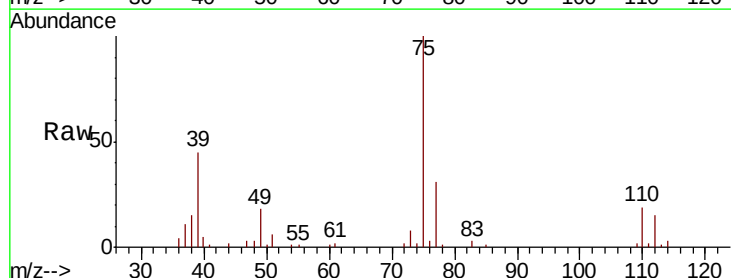
Acq: 21 Oct 2019 12:13

Tgt Ion: 75 Resp: 13212

Ion Ratio Lower Upper

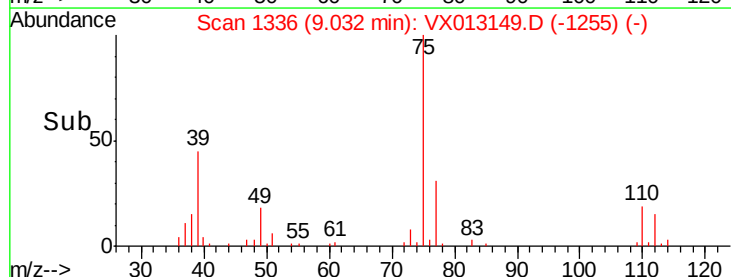
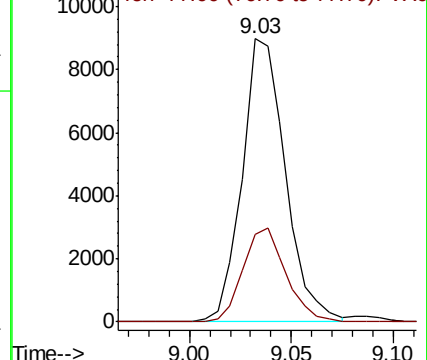
75 100

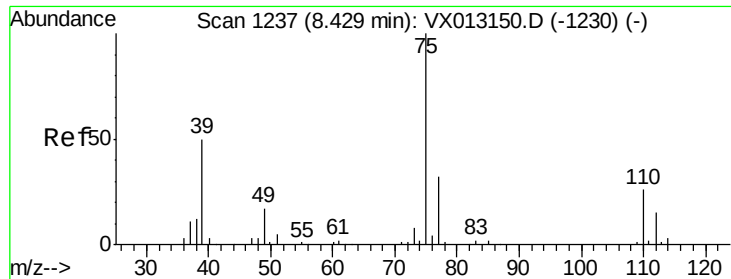
77 30.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



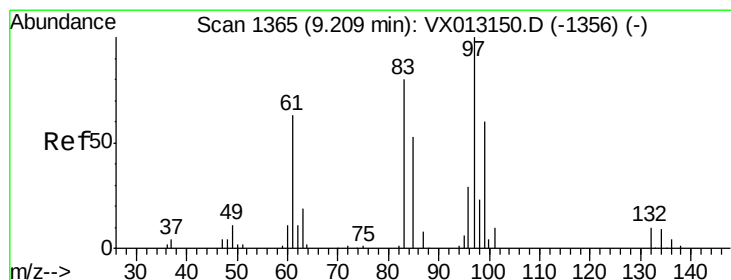
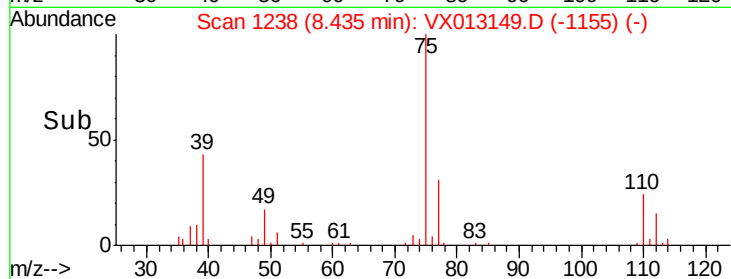
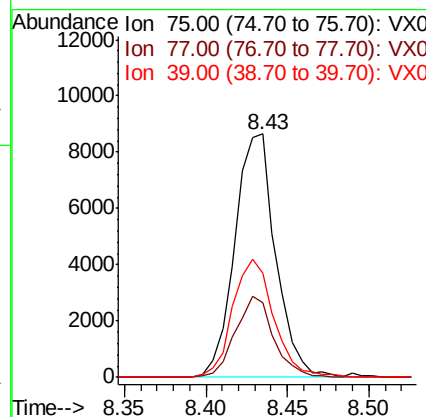
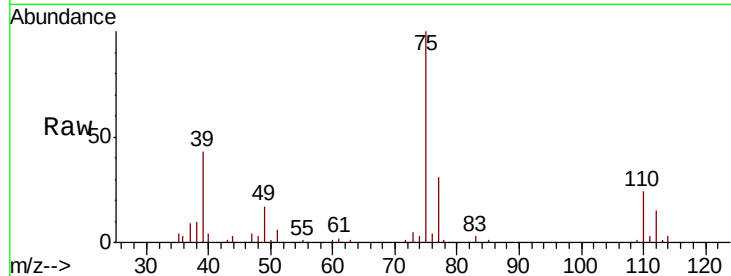


#49

cis-1,3-Dichloropropene
 Concen: 4.956 ug/l
 RT: 8.43 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

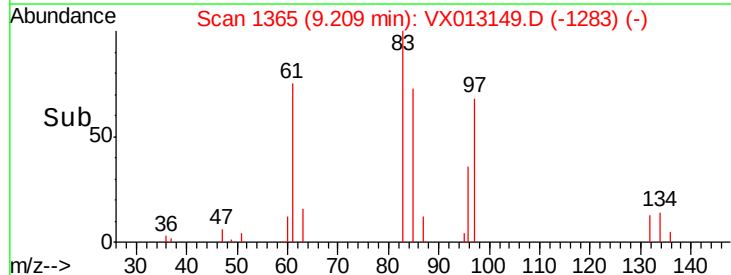
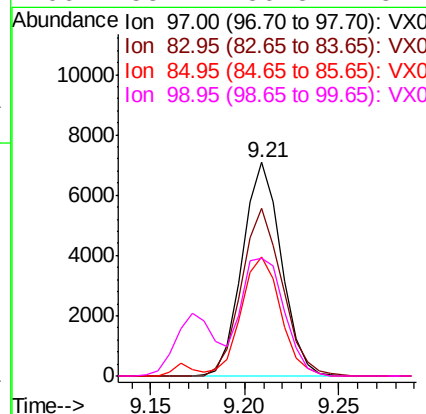
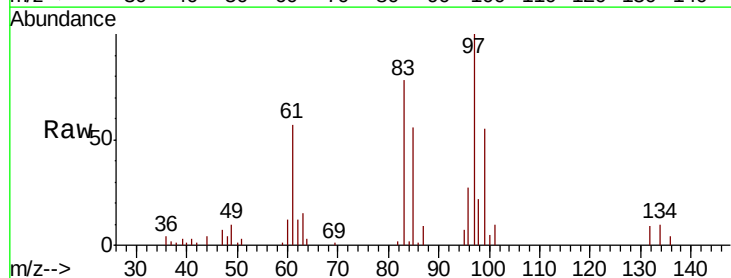
Tot Ion: 75 Resp: 15094
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.8 38.8
 39 42.9 39.7 59.5

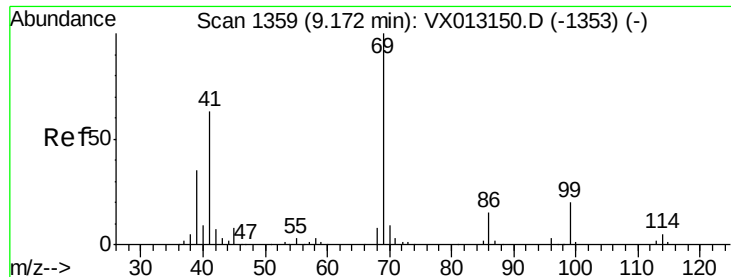


#50

1,1,2-Trichloroethane
 Concen: 5.374 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Tgt Ion: 97 Resp: 10185
 Ion Ratio Lower Upper
 97 100
 83 78.5 64.2 96.4
 85 55.9 42.7 64.1
 99 55.4 50.5 75.7





#51

Ethyl methacrylate

Concen: 4.819 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

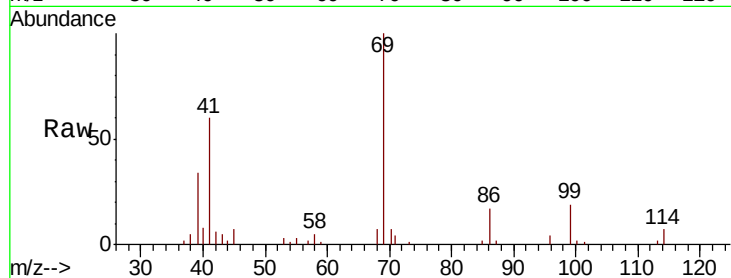
Tot Ion: 69 Resp: 14345

Ion Ratio Lower Upper

69 100

41 60.2 31.6 95.0

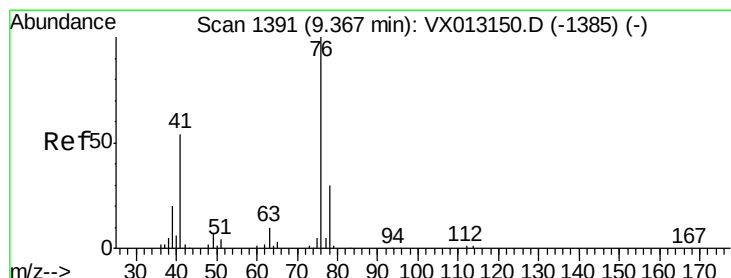
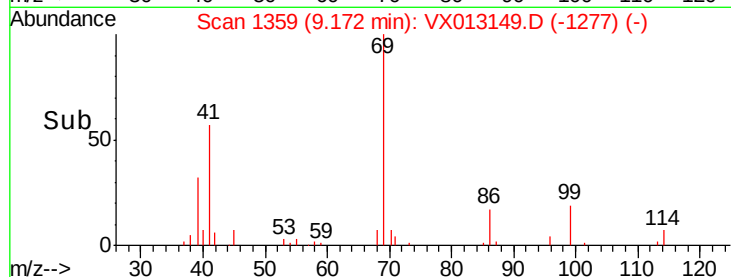
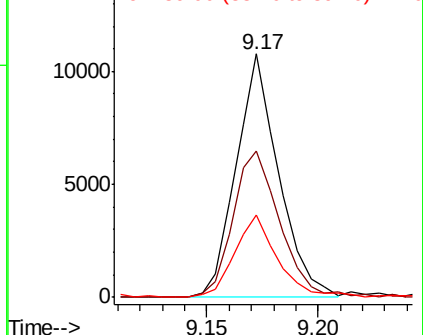
39 33.7 17.7 53.1



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: 5.348 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013149.D

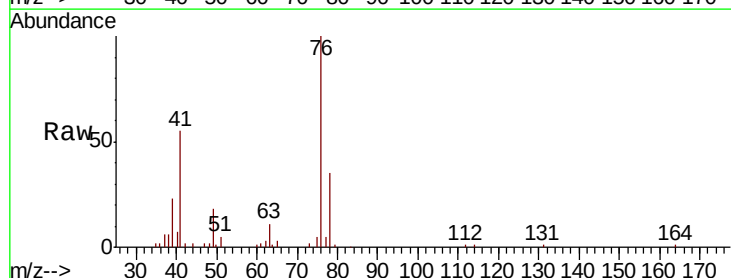
Acq: 21 Oct 2019 12:13

Tgt Ion: 76 Resp: 16964

Ion Ratio Lower Upper

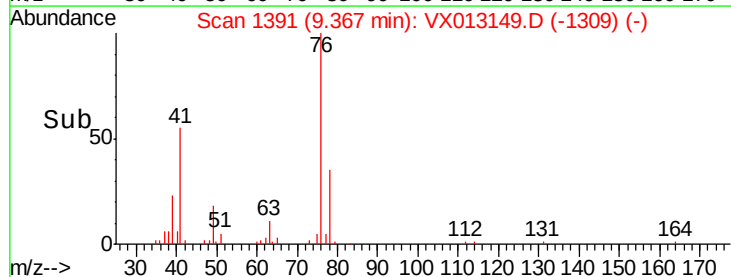
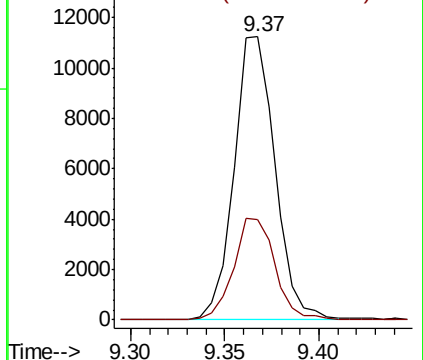
76 100

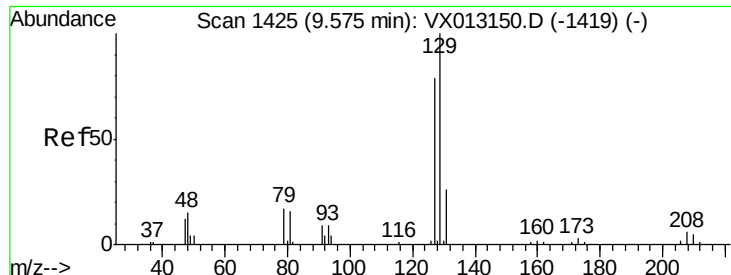
78 36.0 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

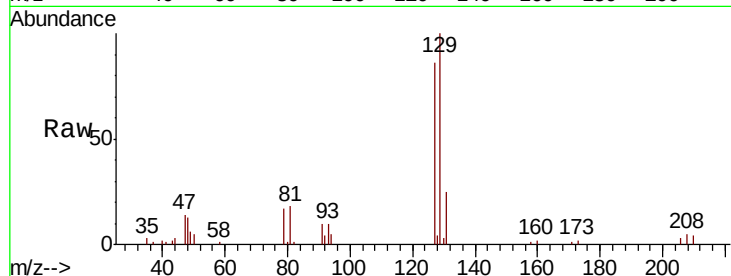




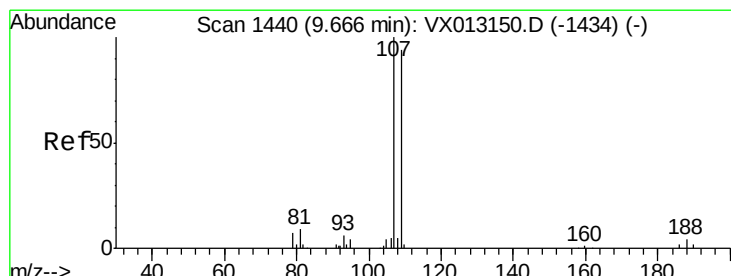
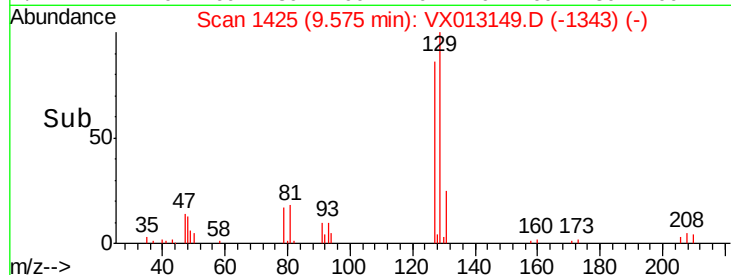
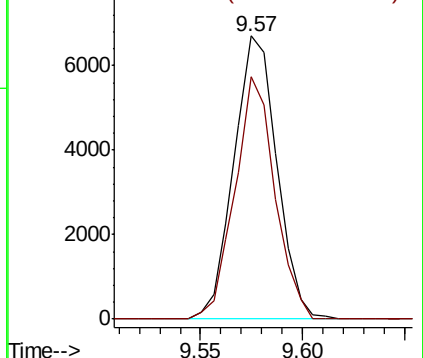
#53
Dibromochloromethane
Concen: 5.014 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:129 Resp: 9820
Ion Ratio Lower Upper
129 100
127 79.4 39.4 118.2

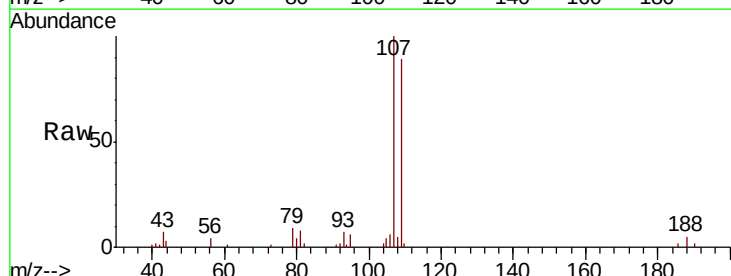


Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

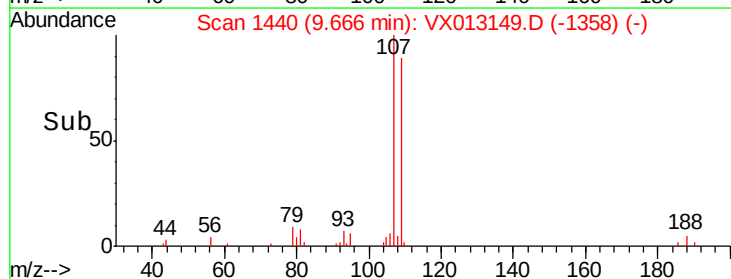
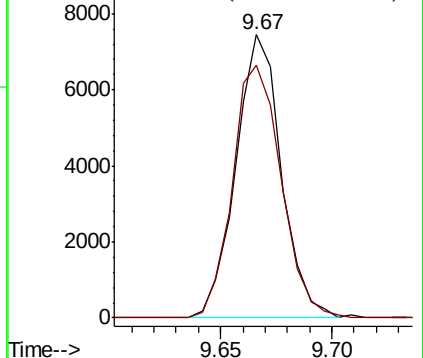


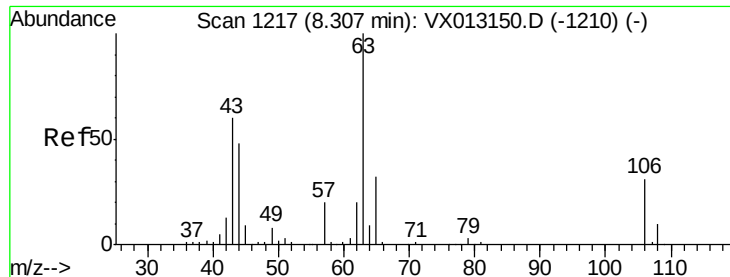
#54
1,2-Dibromoethane
Concen: 5.316 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion:107 Resp: 10588
Ion Ratio Lower Upper
107 100
109 95.6 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

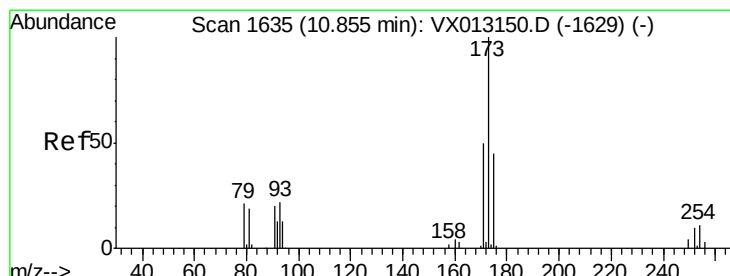
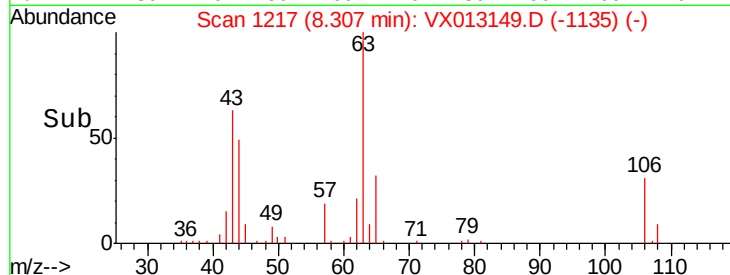
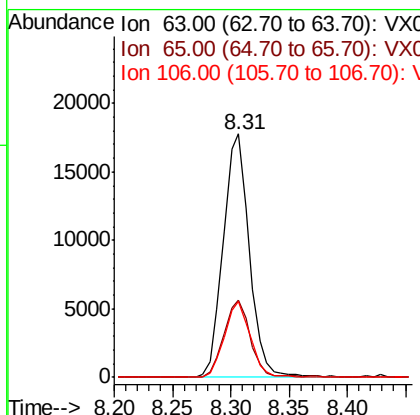
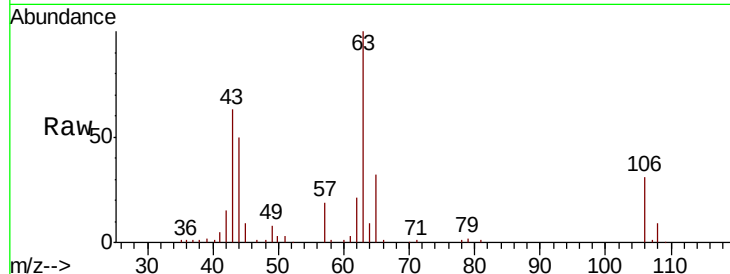




#55
2-Chloroethyl vinyl ether
Concen: 21.648 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

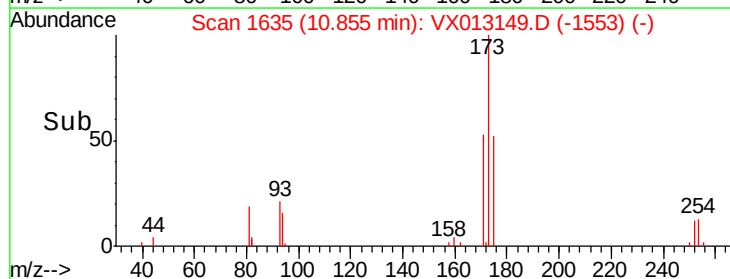
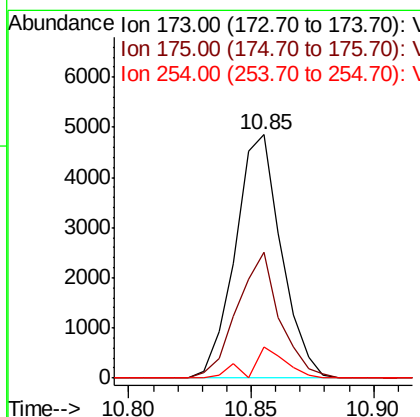
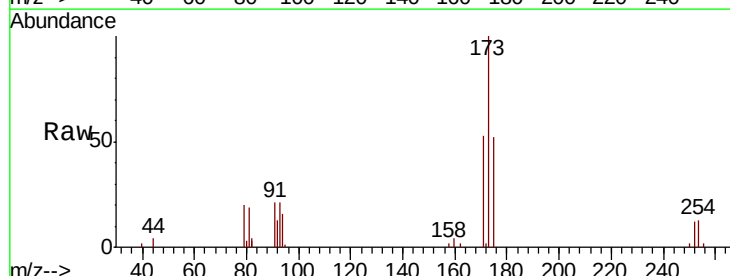
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

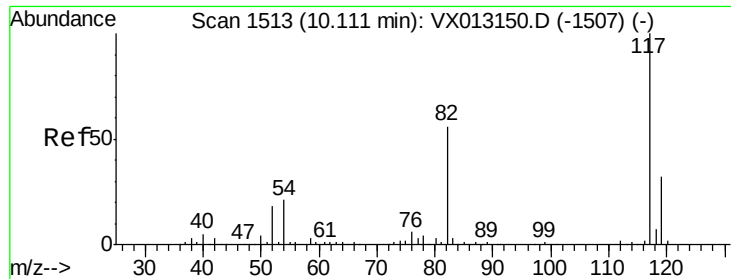
Tot Ion: 63 Resp: 27721
Ion Ratio Lower Upper
63 100
65 31.5 25.5 38.3
106 30.7 24.8 37.2



#56
Bromoform
Concen: 4.646 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion: 173 Resp: 6349
Ion Ratio Lower Upper
173 100
175 47.8 39.0 58.4
254 7.7 8.1 12.1#

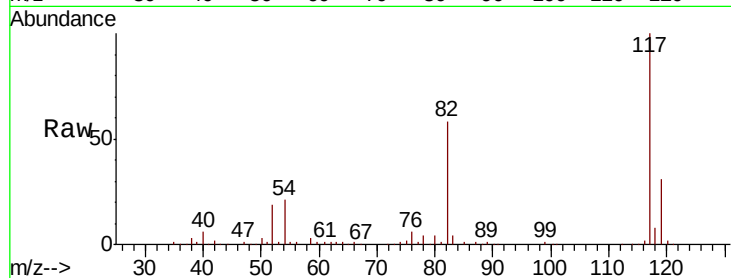




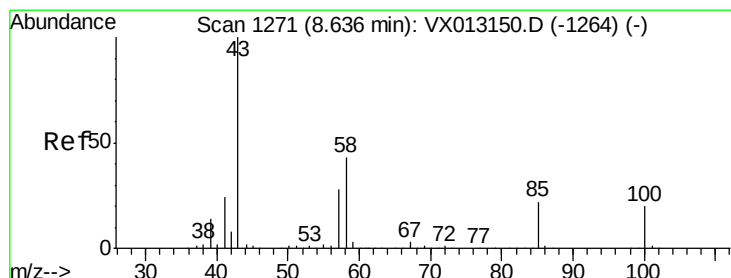
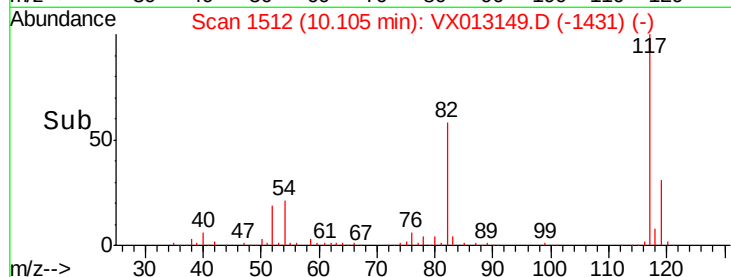
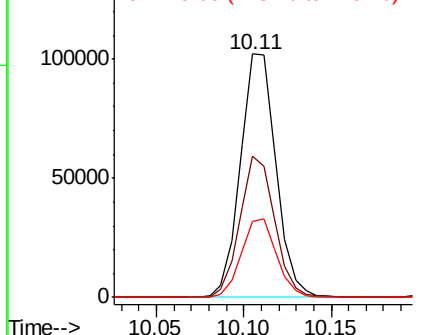
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 144837
Ion Ratio Lower Upper
117 100
82 56.7 46.0 69.0
119 32.0 25.4 38.0

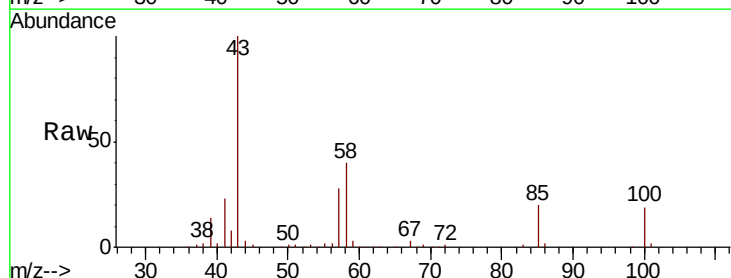


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

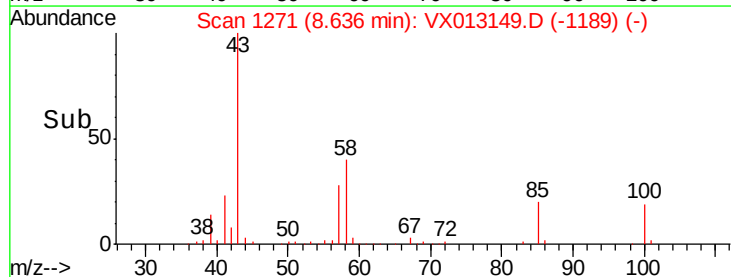
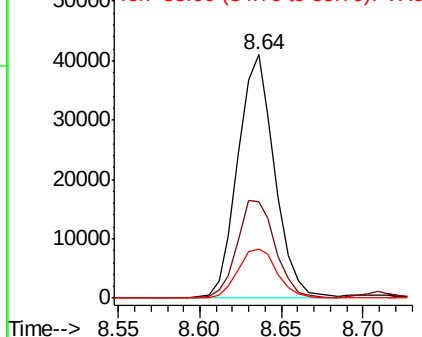


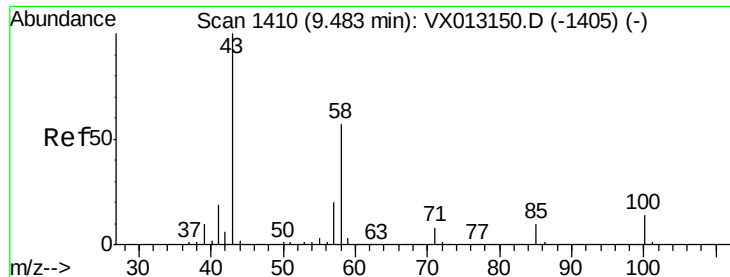
#58
4-Methyl-2-Pentanone
Concen: 24.700 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion: 43 Resp: 64472
Ion Ratio Lower Upper
43 100
58 41.8 33.8 50.8
85 21.3 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

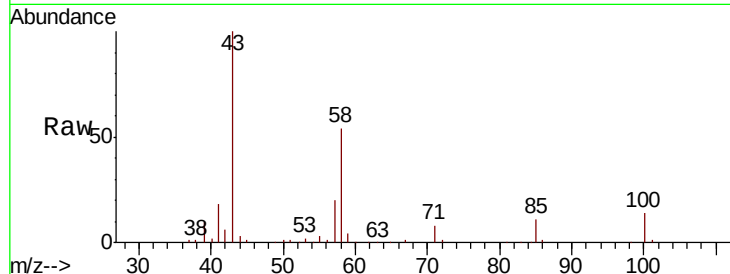




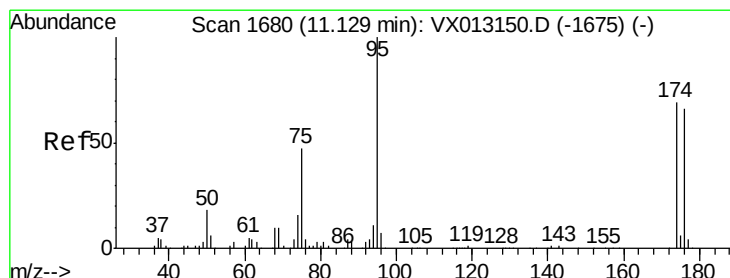
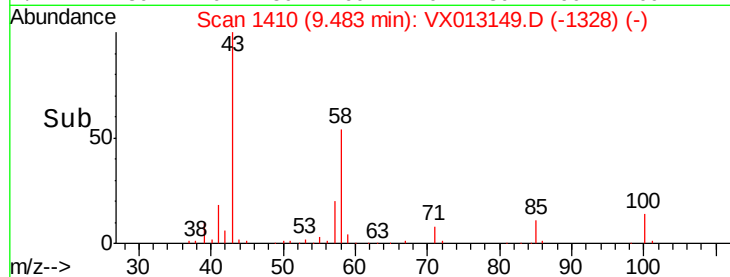
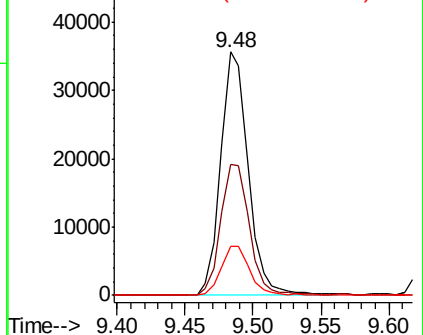
#59
2-Hexanone
Concen: 24.773 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	46.6	69.8
57	20.6	16.9	25.3

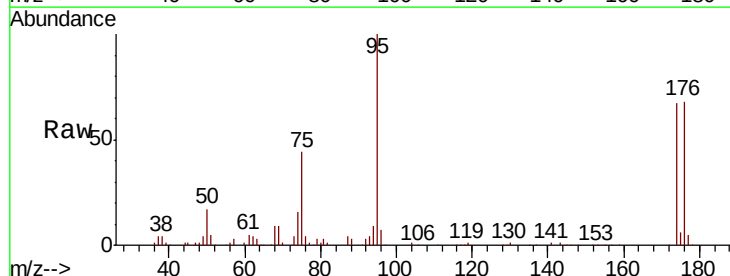


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

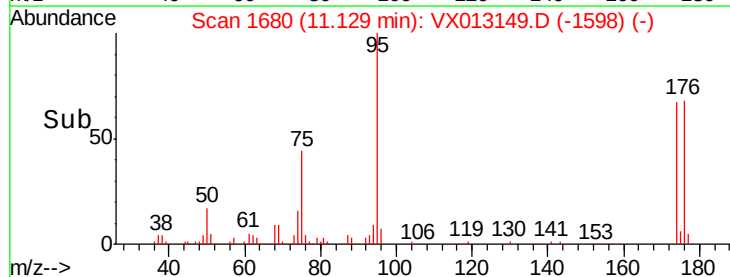
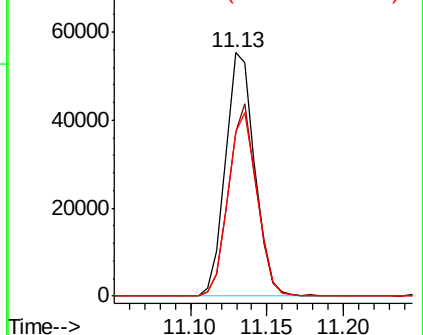


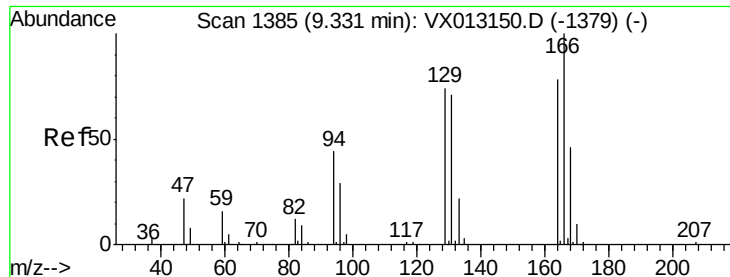
#60
4-Bromofluorobenzene
Concen: 28.912 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	60.0	90.0
176	74.9	58.5	87.7



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 6.013 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 11180

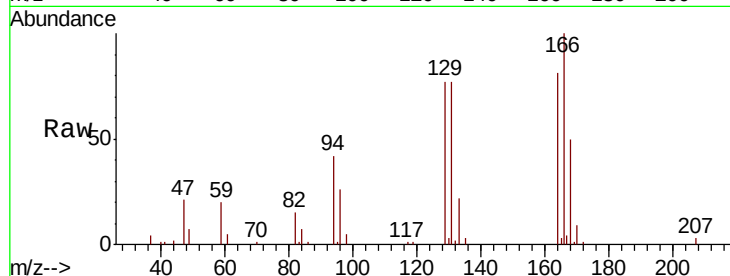
Ion Ratio Lower Upper

164 100

166 123.0 102.6 153.8

129 94.2 75.7 113.5

131 94.6 72.4 108.6

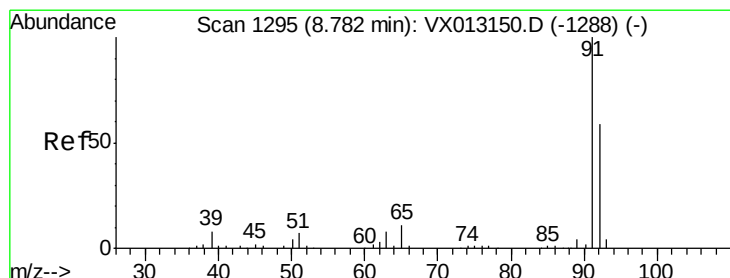
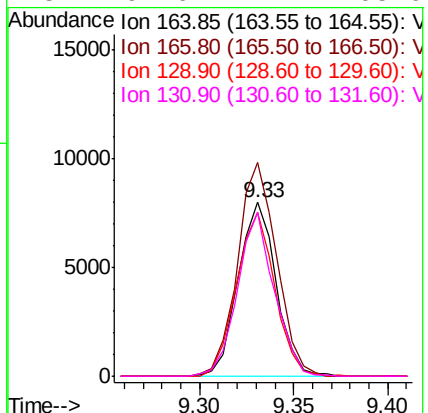
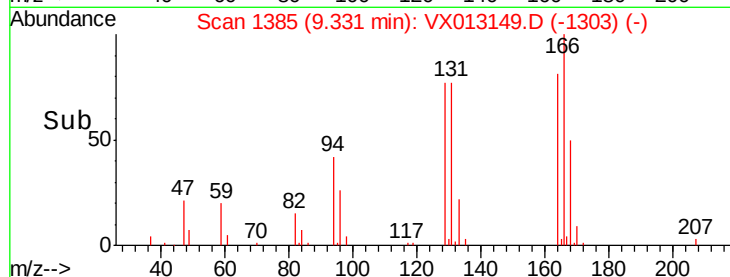


Abundance Ion 163.85 (163.55 to 164.55): V

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: 5.478 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013149.D

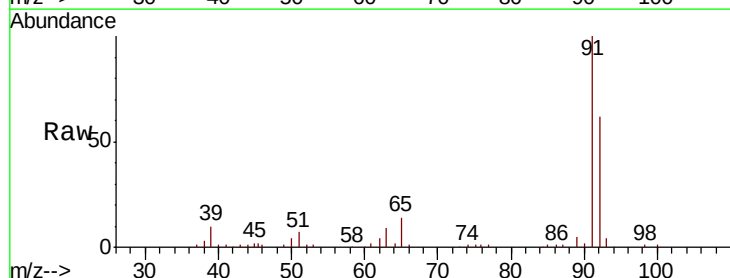
Acq: 21 Oct 2019 12:13

Tgt Ion: 91 Resp: 43137

Ion Ratio Lower Upper

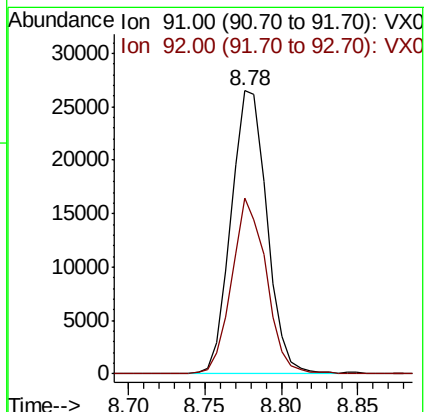
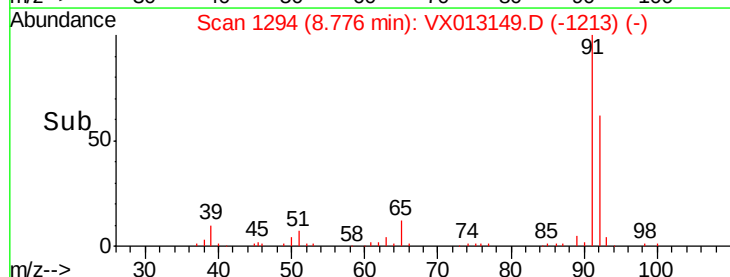
91 100

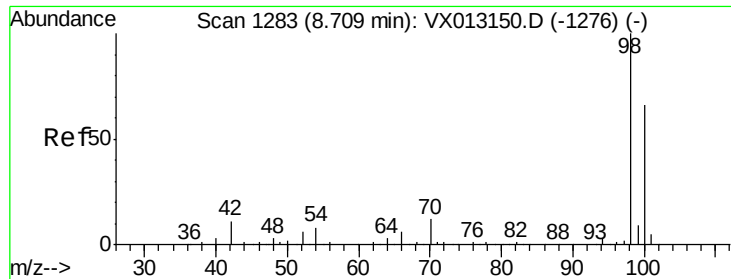
92 59.9 47.7 71.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.511 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

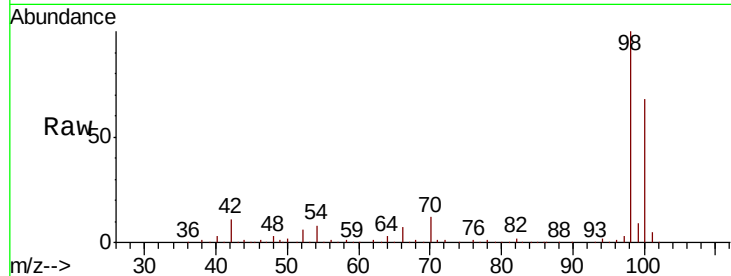
VSTDIC005

Tot Ion: 98 Resp: 194222

Ion Ratio Lower Upper

98 100

100 67.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX013150.D (-1276) (-)

Ion 100.00 (99.70 to 100.70): VX013149.D (-1201) (-)

8.71

150000

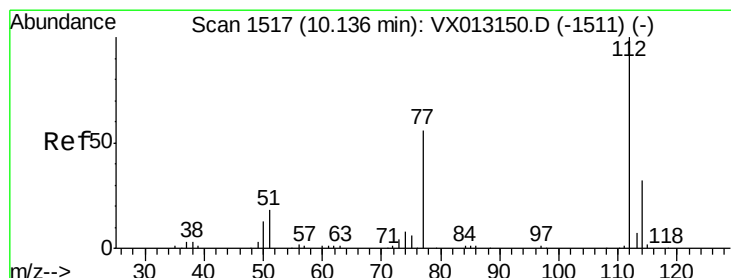
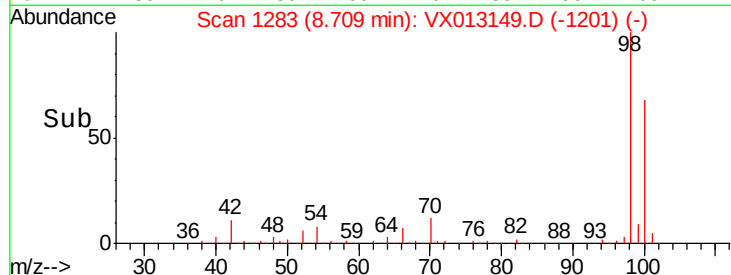
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 5.568 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013149.D

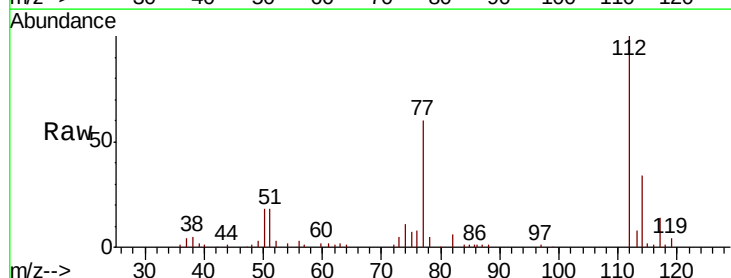
Acq: 21 Oct 2019 12:13

Tgt Ion: 112 Resp: 27885

Ion Ratio Lower Upper

112 100

114 34.5 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VX013150.D (-1511) (-)

Ion 114.00 (113.70 to 114.70): VX013149.D (-1435) (-)

10.14

20000

15000

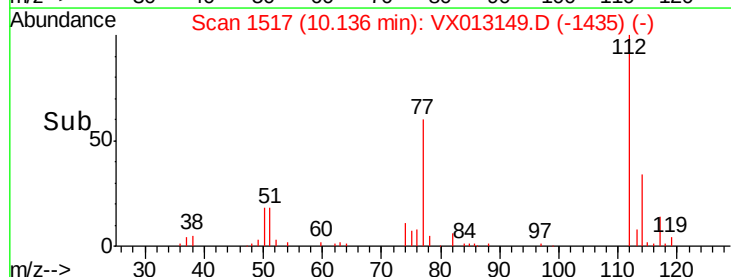
10000

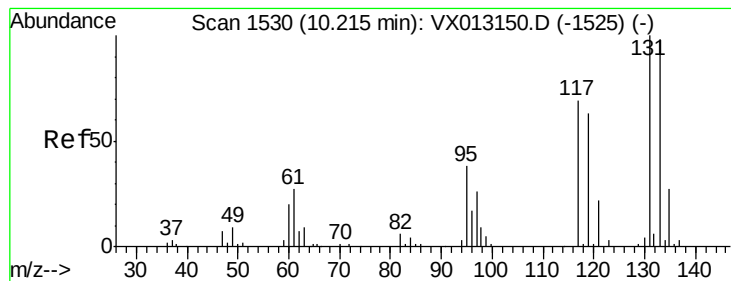
5000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 5.288 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

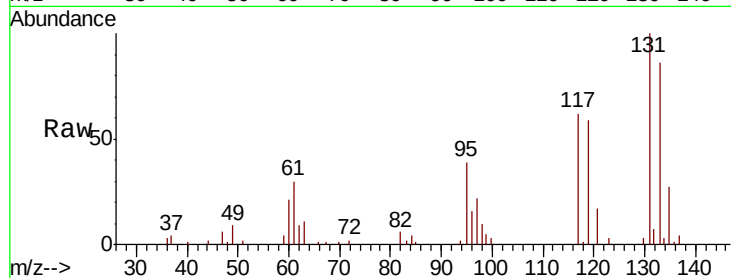
Tot Ion:131 Resp: 9785

Ion Ratio Lower Upper

131 100

133 92.2 0.0 191.0

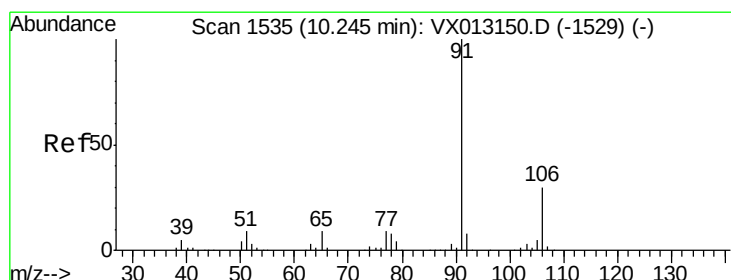
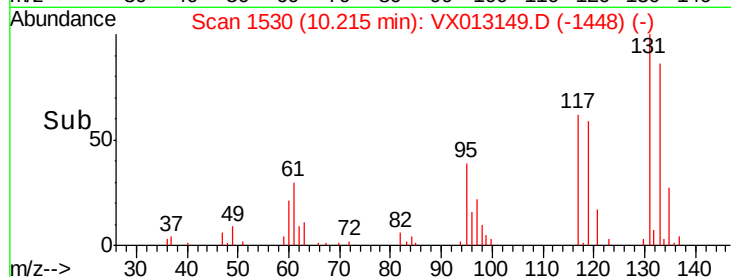
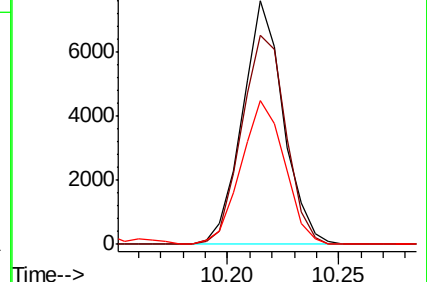
119 62.5 0.0 125.6



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: 5.373 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013149.D

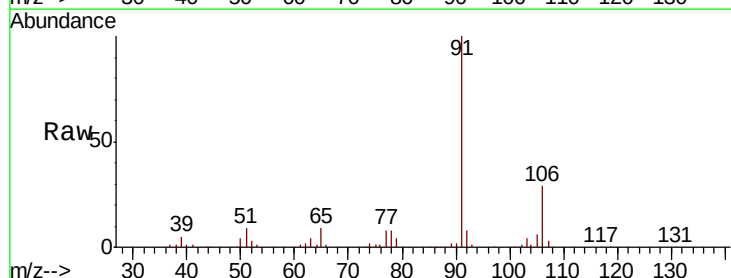
Acq: 21 Oct 2019 12:13

Tgt Ion: 91 Resp: 48433

Ion Ratio Lower Upper

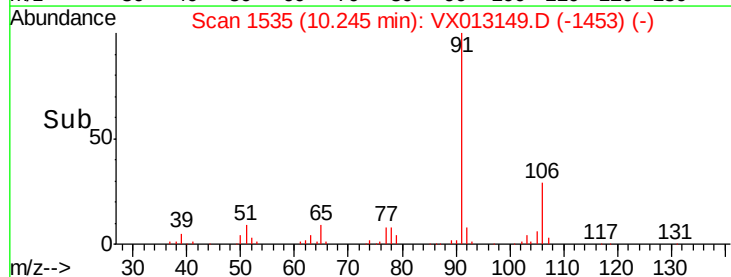
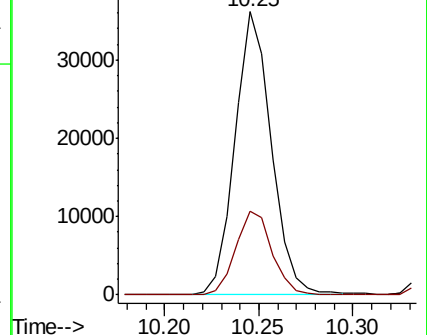
91 100

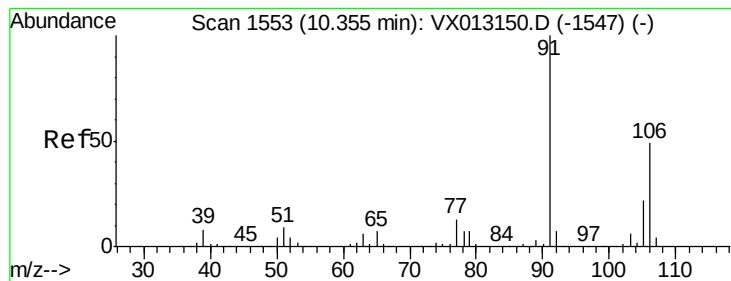
106 29.4 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 10.982 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

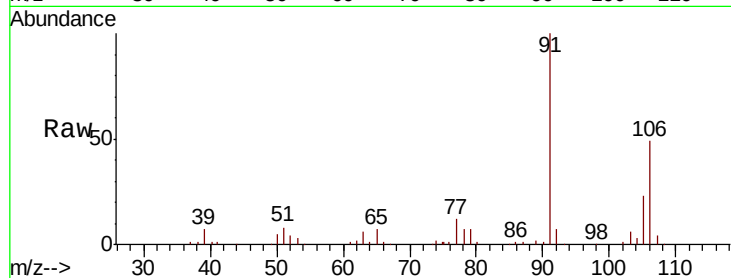
VSTDIC005

Tot Ion:106 Resp: 37318

Ion Ratio Lower Upper

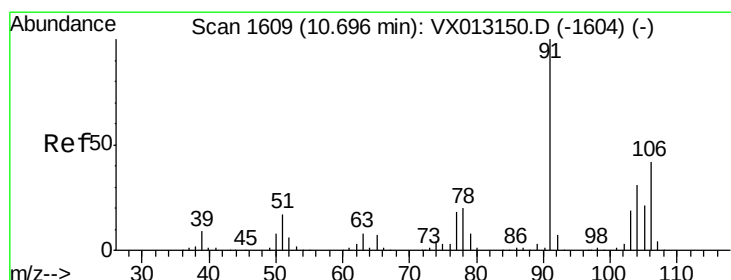
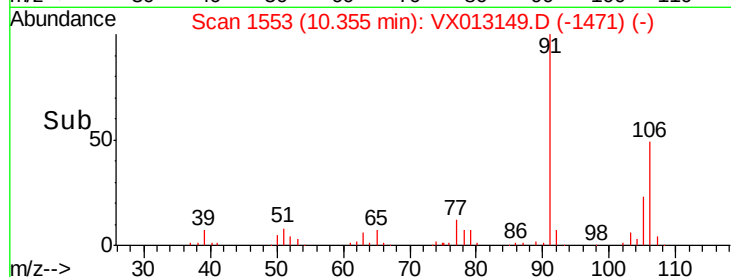
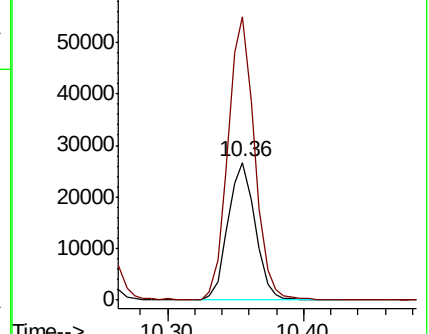
106 100

91 199.9 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 5.450 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013149.D

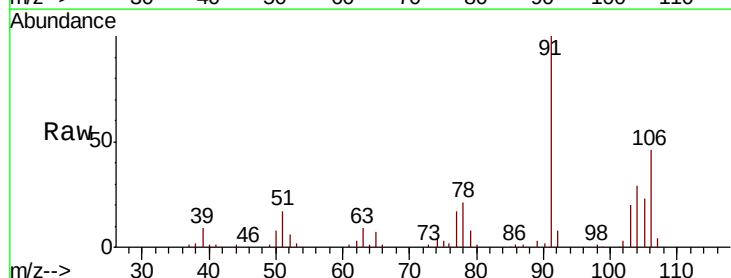
Acq: 21 Oct 2019 12:13

Tgt Ion:106 Resp: 17854

Ion Ratio Lower Upper

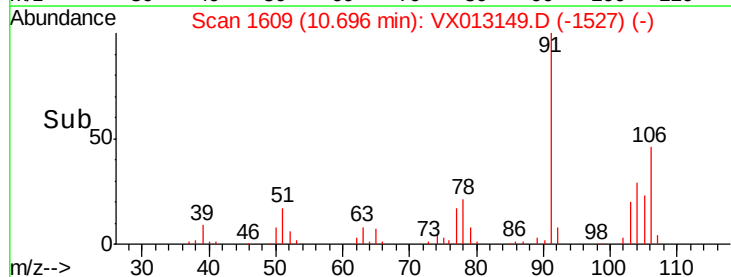
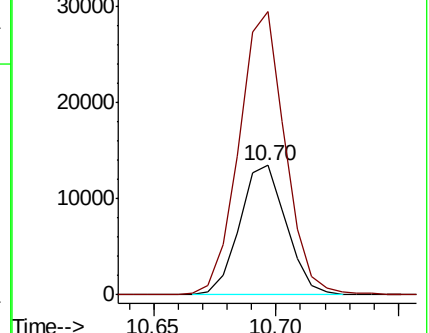
106 100

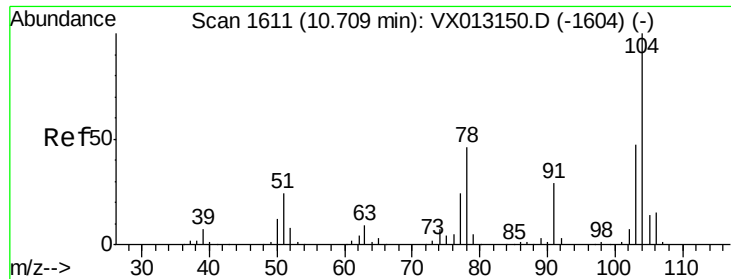
91 216.5 113.6 340.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

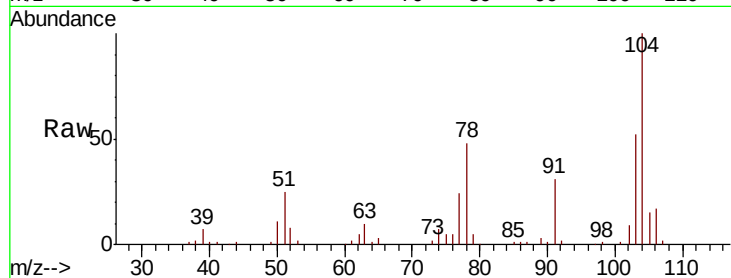




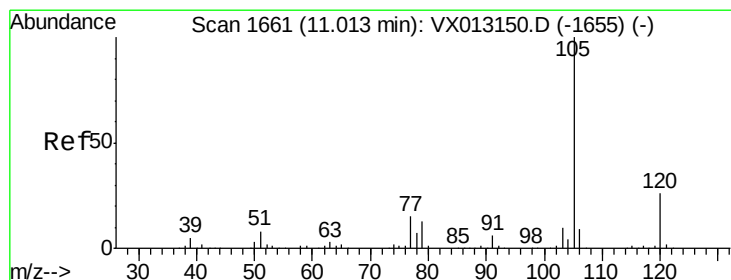
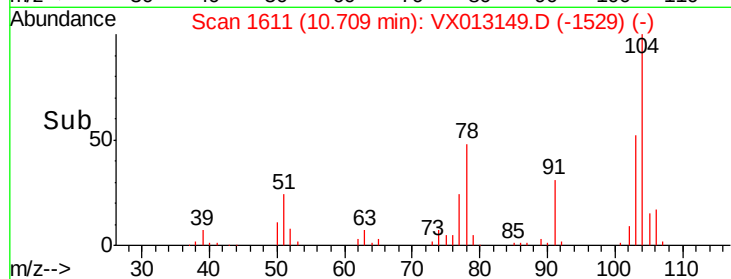
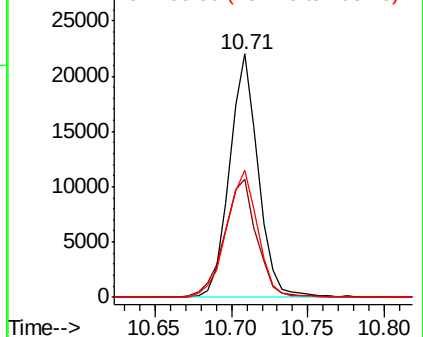
#69
Stvrene
Concen: 5.021 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:104 Resp: 28562
Ion Ratio Lower Upper
104 100
78 54.6 42.3 63.5
103 57.3 42.2 63.2

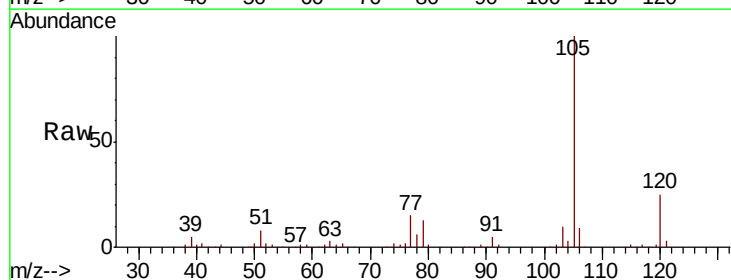


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

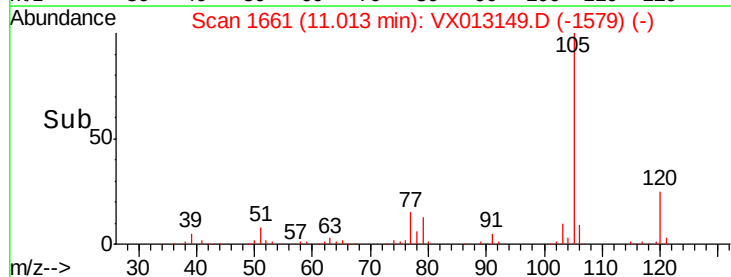
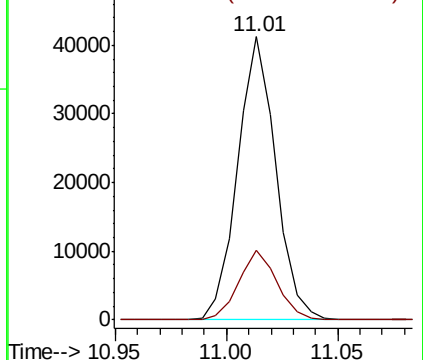


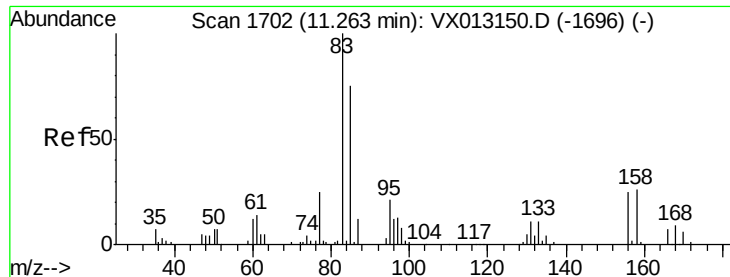
#70
Isopropylbenzene
Concen: 5.520 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion:105 Resp: 48965
Ion Ratio Lower Upper
105 100
120 24.9 18.1 33.7



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

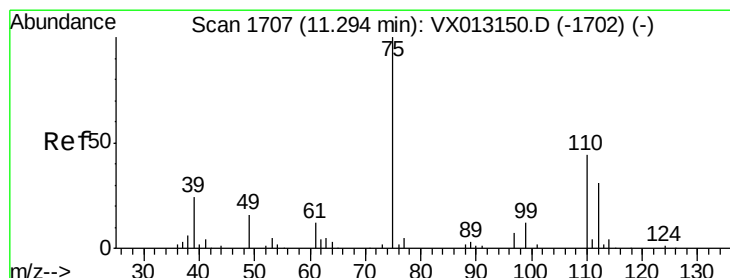
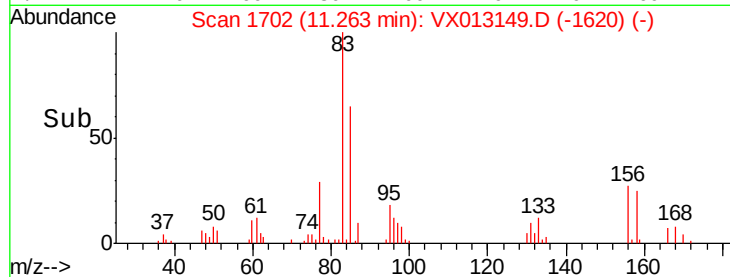
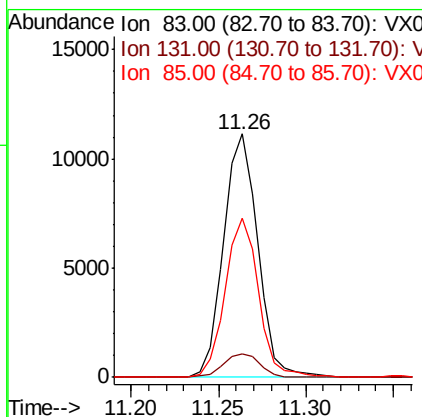
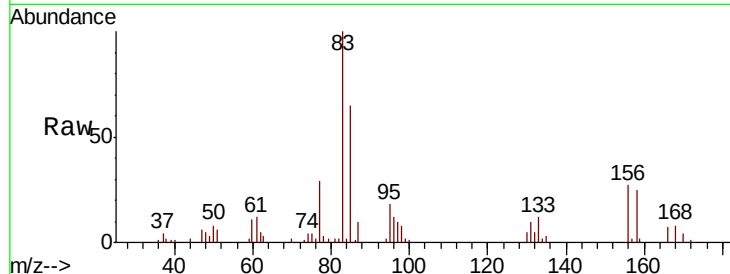




#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.368 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

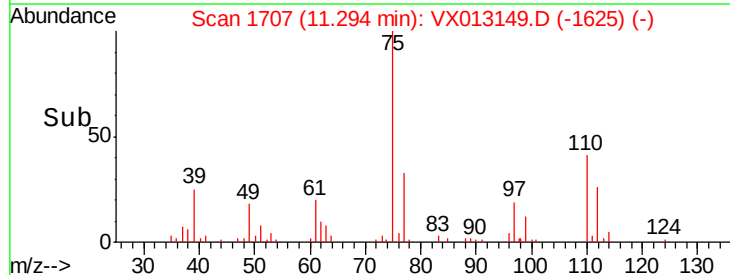
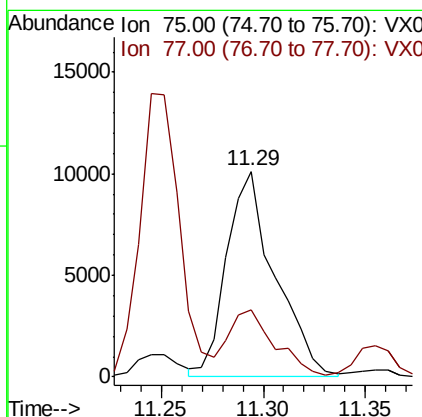
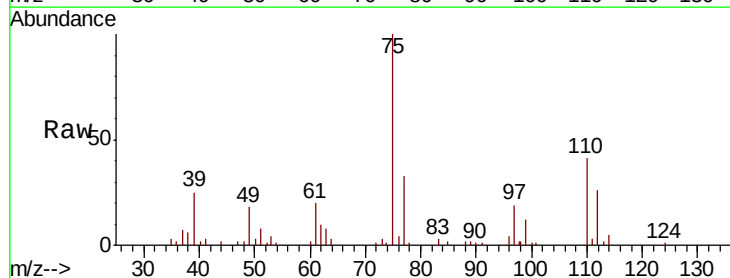
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

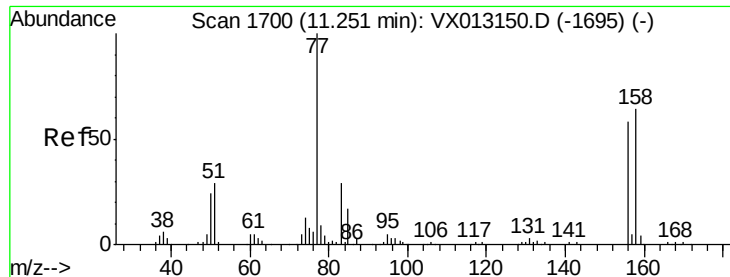
Tot Ion: 83 Resp: 15216
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.5 16.4
 85 63.7 32.9 98.6



#72
 1,2,3-Trichloropropane
 Concen: 6.785 ug/l
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Tgt Ion: 75 Resp: 16658
 Ion Ratio Lower Upper
 75 100
 77 31.0 0.0 74.0





#73

Bromobenzene

Concen: 5.803 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

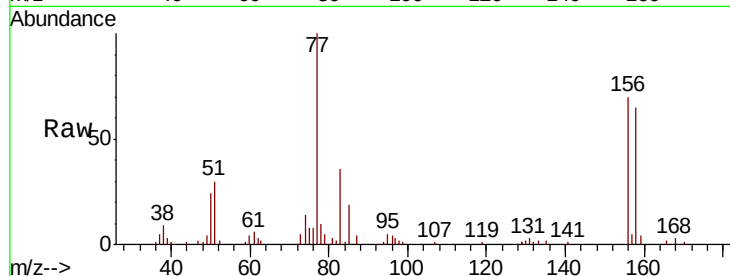
Tot Ion:156 Resp: 12249

Ion Ratio Lower Upper

156 100

77 153.7 0.0 328.0

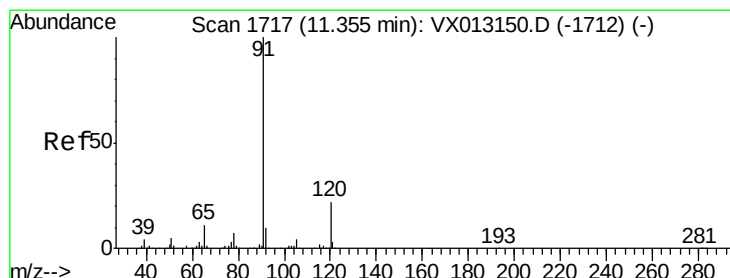
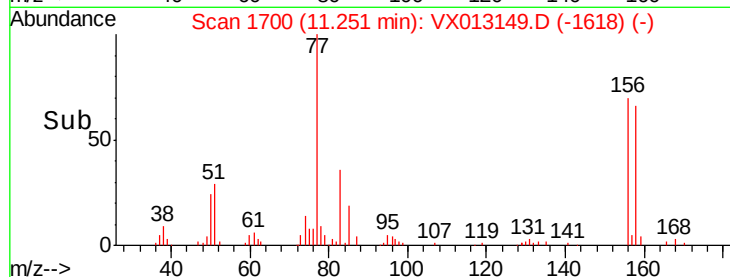
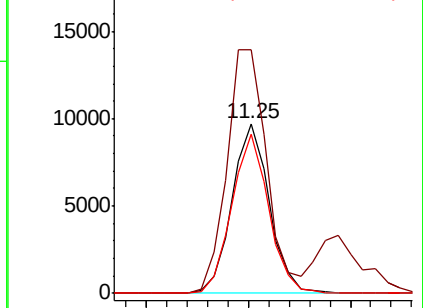
158 92.8 0.0 196.2



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: 5.216 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013149.D

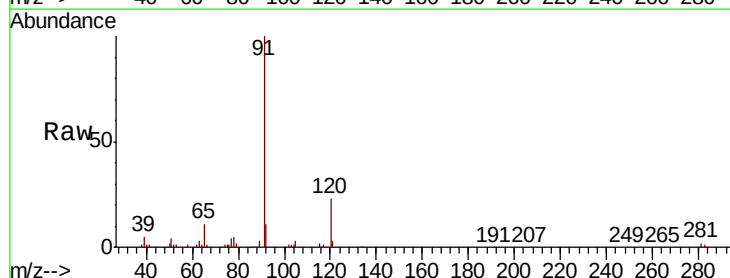
Acq: 21 Oct 2019 12:13

Tgt Ion: 91 Resp: 51302

Ion Ratio Lower Upper

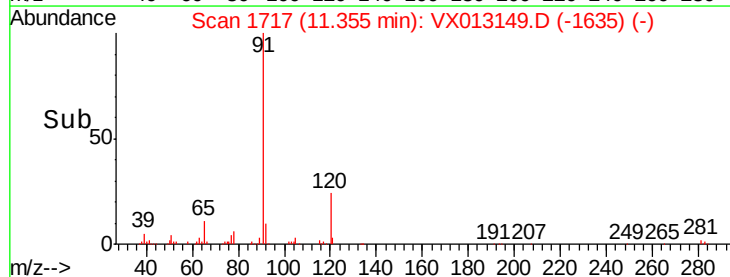
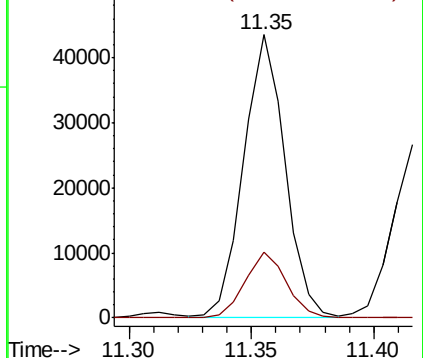
91 100

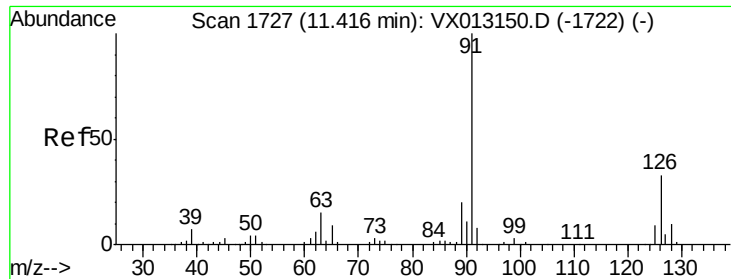
120 23.2 0.0 45.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.327 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

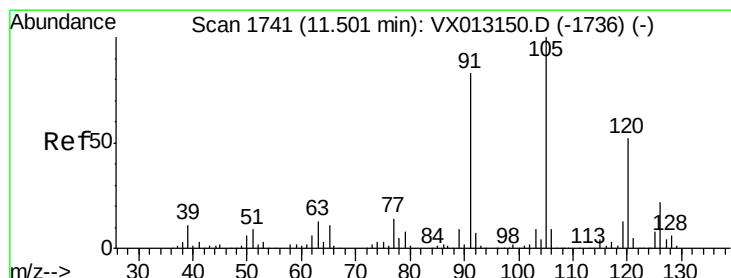
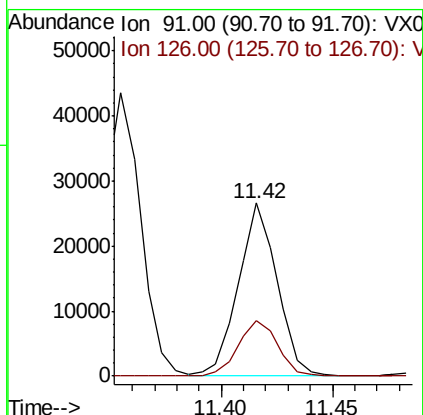
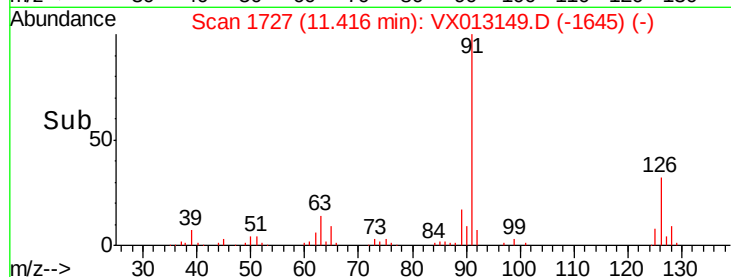
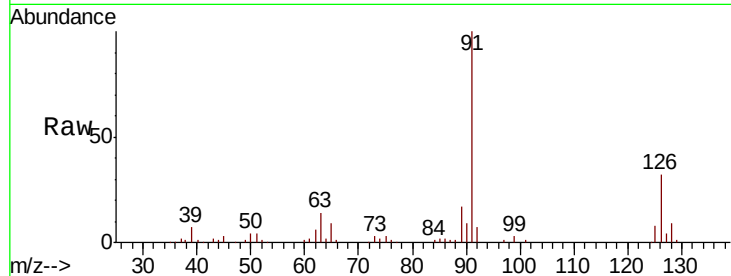
VSTDIC005

Tot Ion: 91 Resp: 32445

Ion Ratio Lower Upper

91 100

126 32.9 0.0 63.8



#76

1,3,5-Trimethylbenzene

Concen: 5.136 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013149.D

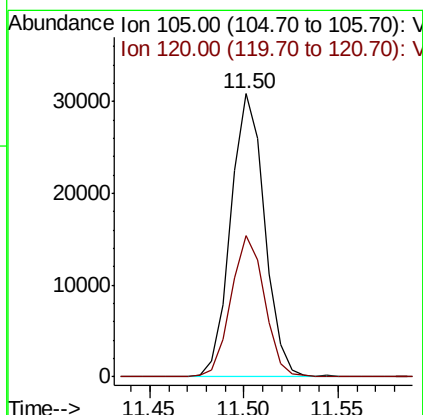
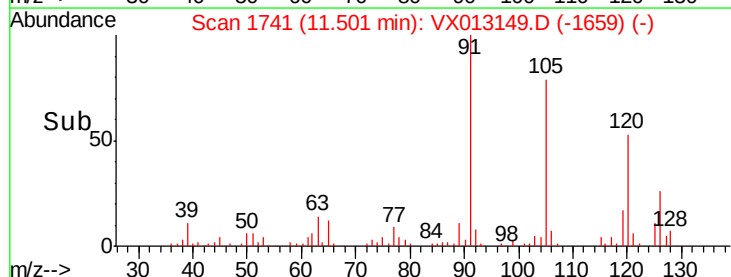
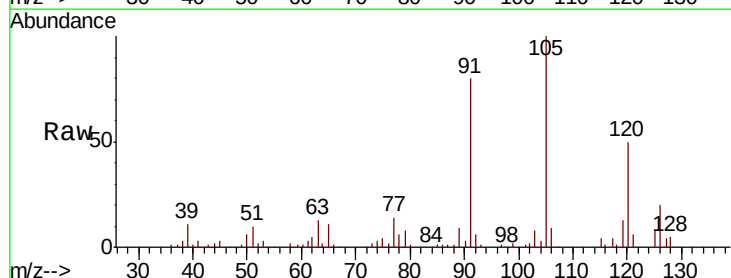
Acq: 21 Oct 2019 12:13

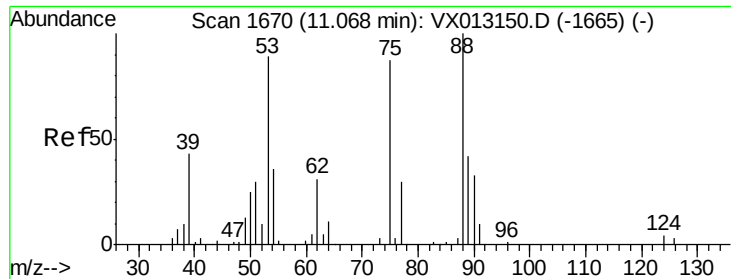
Tgt Ion:105 Resp: 38503

Ion Ratio Lower Upper

105 100

120 49.5 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 4.323 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

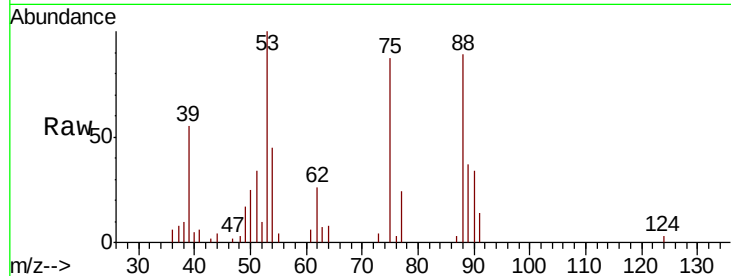
Tot Ion: 75 Resp: 4022

Ion Ratio Lower Upper

75 100

53 115.5 51.1 153.4

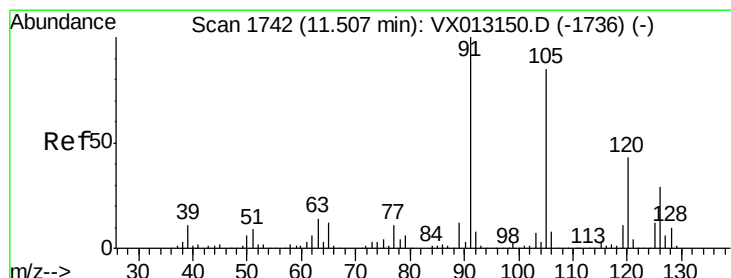
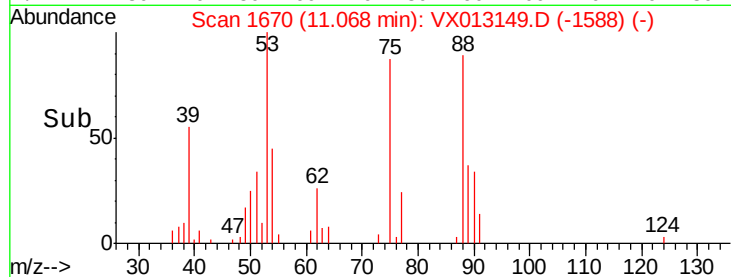
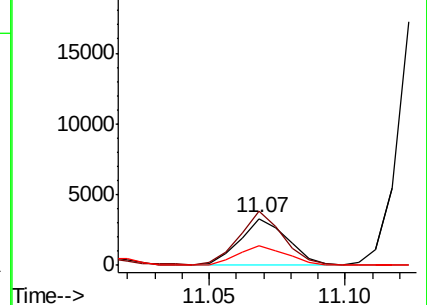
89 42.3 24.1 72.4



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: 5.211 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013149.D

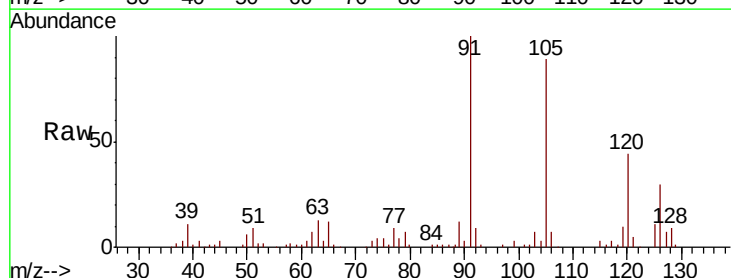
Acq: 21 Oct 2019 12:13

Tgt Ion: 91 Resp: 36432

Ion Ratio Lower Upper

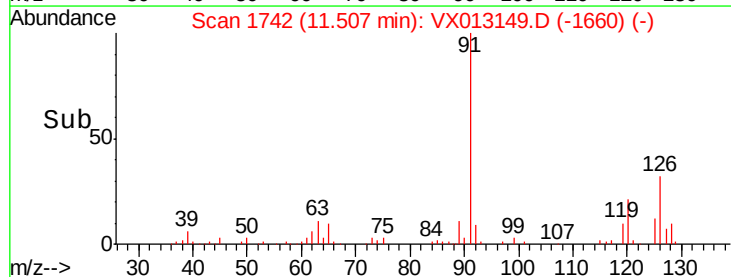
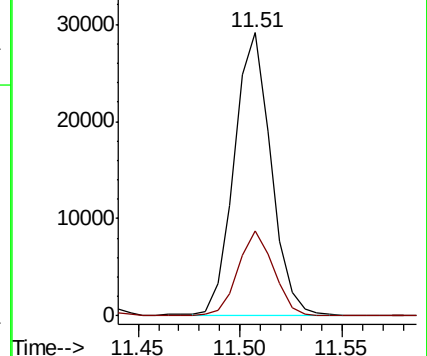
91 100

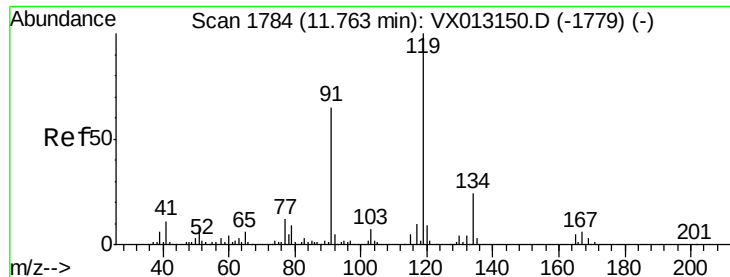
126 28.9 0.0 58.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

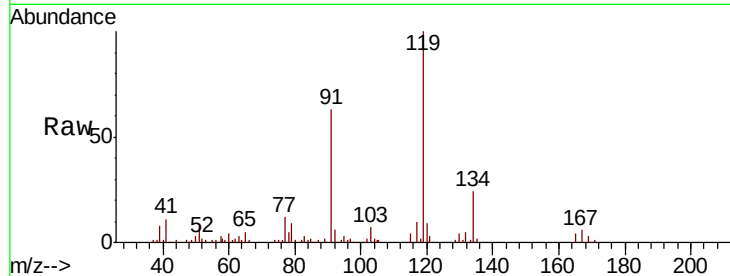




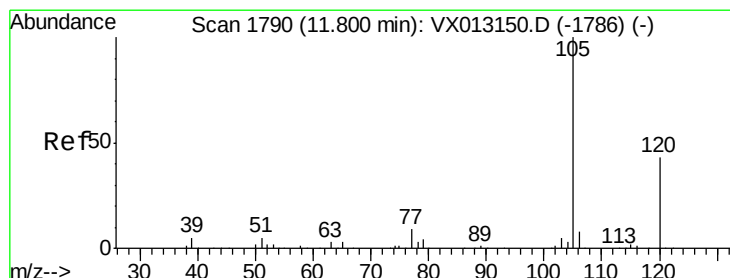
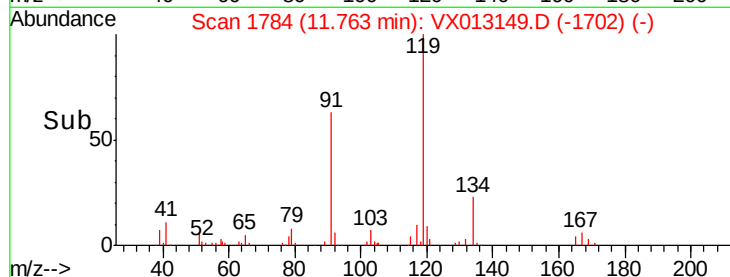
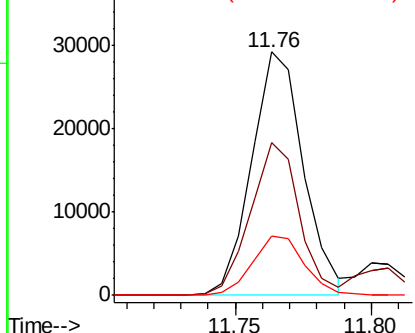
#79
tert-butylbenzene
Concen: 5.473 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:119 Resp: 38571
Ion Ratio Lower Upper
119 100
91 59.4 0.0 128.4
134 24.6 0.0 49.0

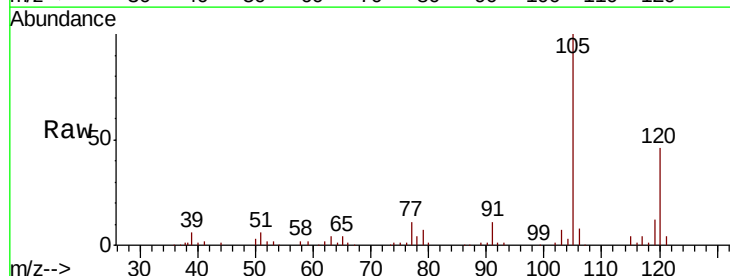


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

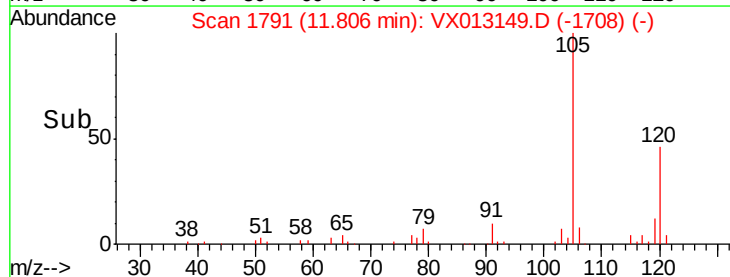
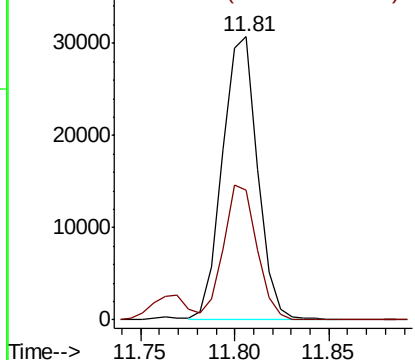


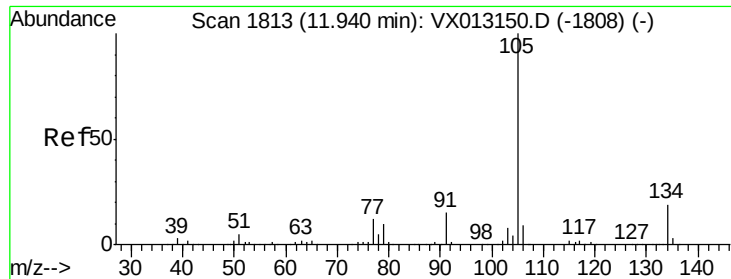
#80
1,2,4-Trimethylbenzene
Concen: 5.331 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion:105 Resp: 39750
Ion Ratio Lower Upper
105 100
120 45.1 0.0 87.4



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

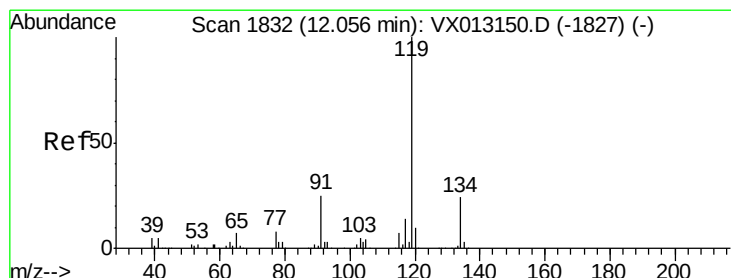
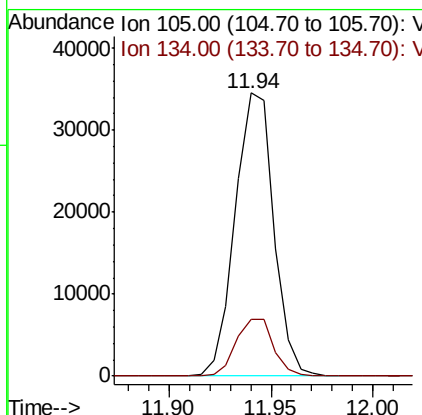
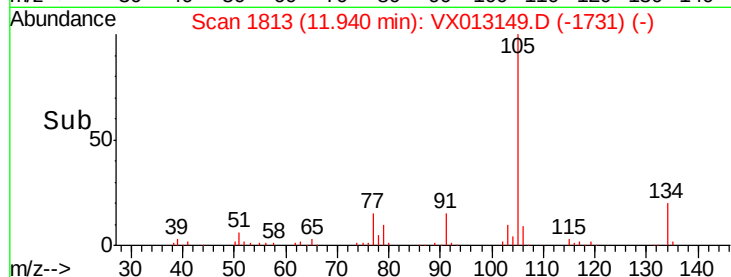
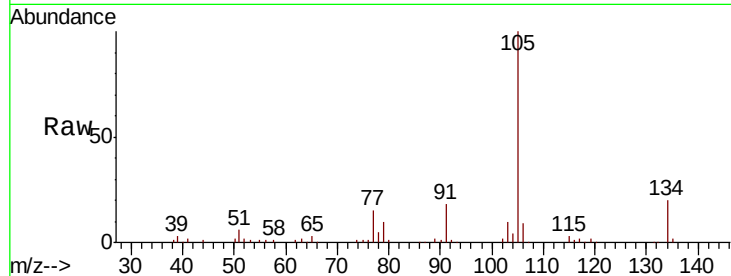




#81
 sec-Butylbenzene
 Concen: 5.310 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

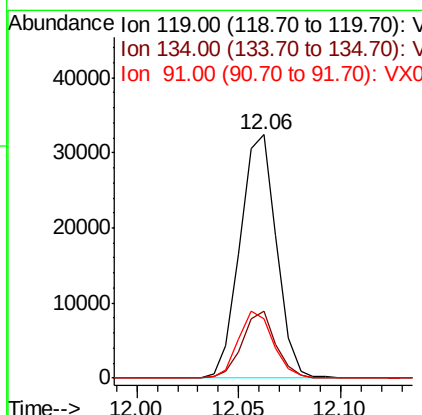
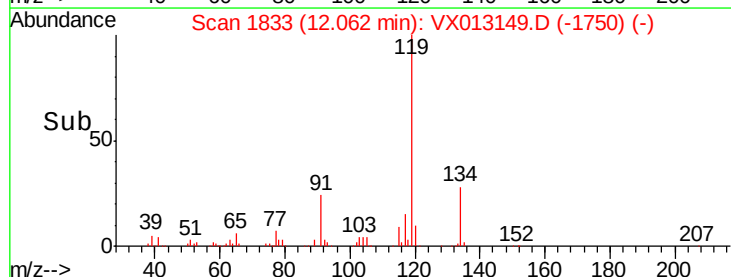
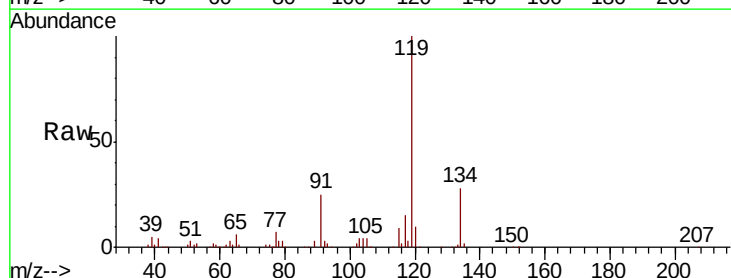
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

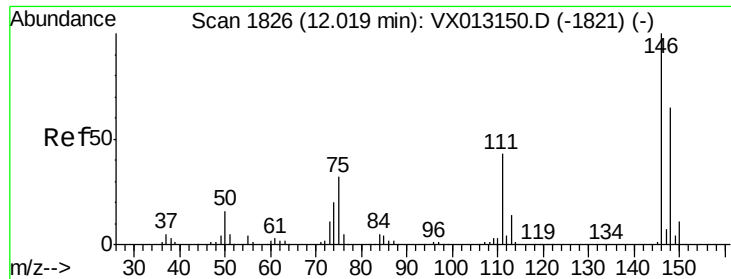
Tot Ion:105 Resp: 45396
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 5.171 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Tgt Ion:119 Resp: 40388
 Ion Ratio Lower Upper
 119 100
 134 25.3 0.0 51.6
 91 26.4 0.0 50.0

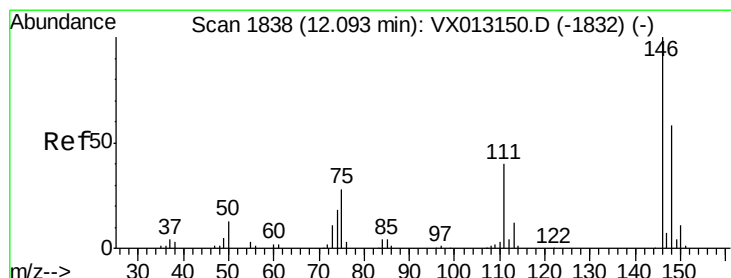
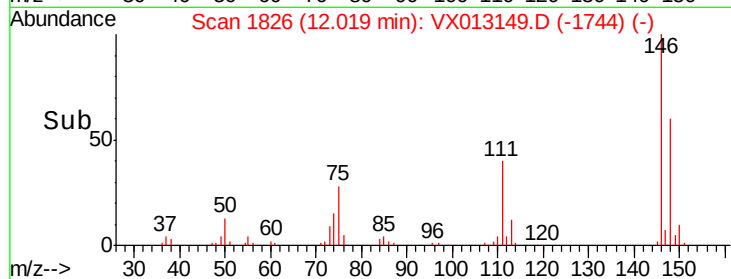
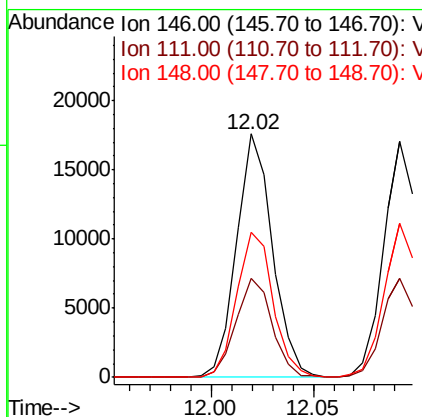
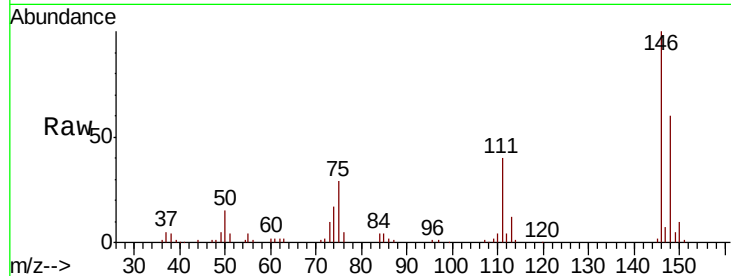




#83
 1,3-Dichlorobenzene
 Concen: 5.642 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

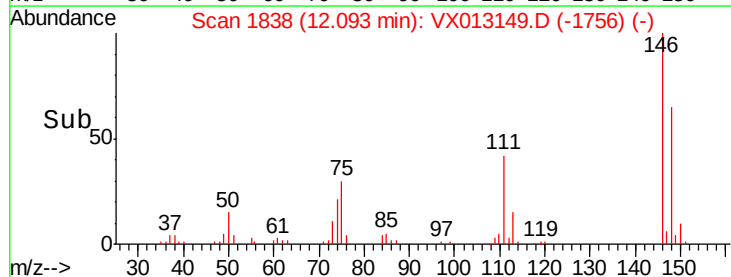
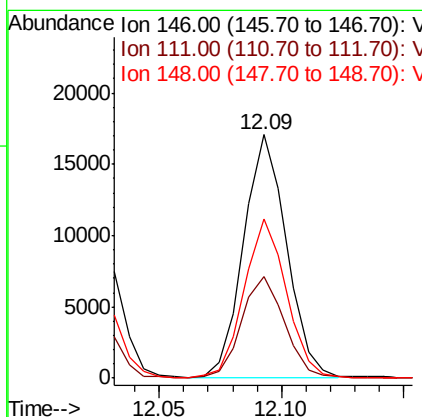
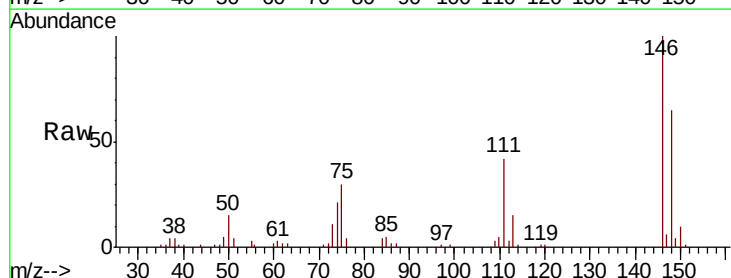
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

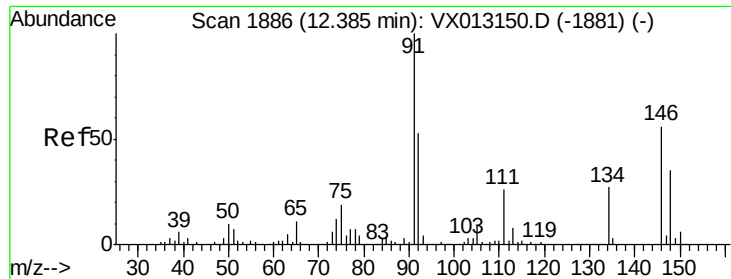
Tot Ion:146 Resp: 21498
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.8 65.4
 148 60.3 31.2 93.6



#84
 1,4-Dichlorobenzene
 Concen: 5.430 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Tgt Ion:146 Resp: 20883
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.3 60.9
 148 64.3 31.4 94.2





#85

n-Butylbenzene

Concen: 4.919 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013149.D

Acq: 21 Oct 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

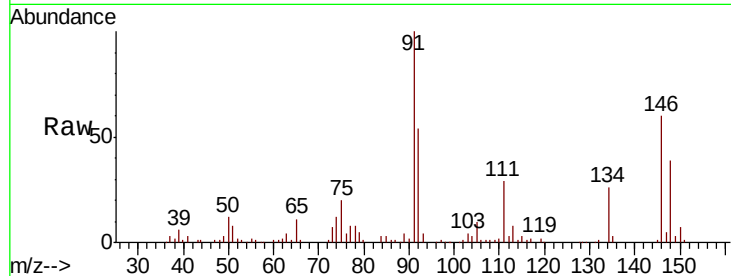
Tot Ion: 91 Resp: 32619

Ion Ratio Lower Upper

91 100

92 53.3 0.0 106.8

134 26.6 0.0 52.4

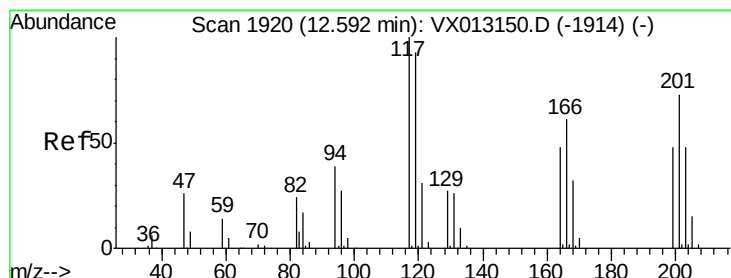
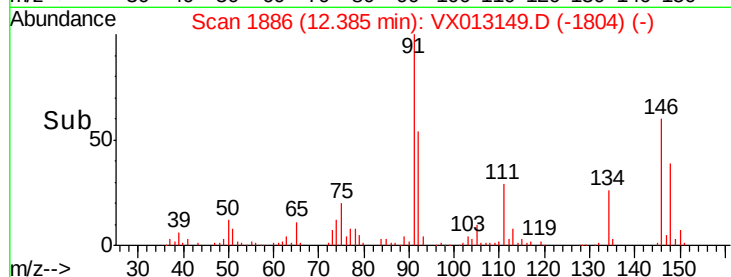


Abundance Ion 91.00 (90.70 to 91.70): VX013149.D (-1881) (-)

Ion 92.00 (91.70 to 92.70): VX013149.D (-1881) (-)

Ion 134.00 (133.70 to 134.70): VX013149.D (-1881) (-)

Time-->



#86

Hexachloroethane

Concen: 4.775 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013149.D

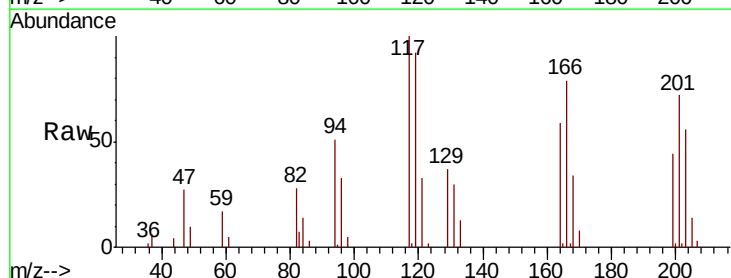
Acq: 21 Oct 2019 12:13

Tgt Ion: 117 Resp: 6446

Ion Ratio Lower Upper

117 100

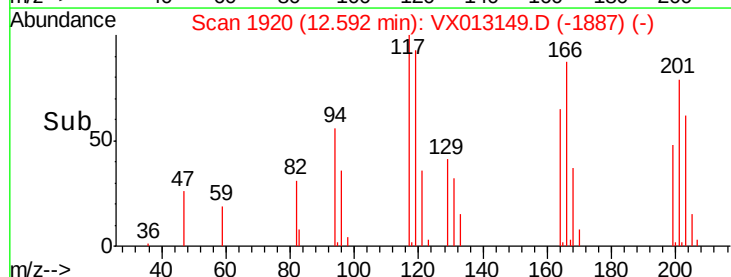
201 76.1 35.9 107.5

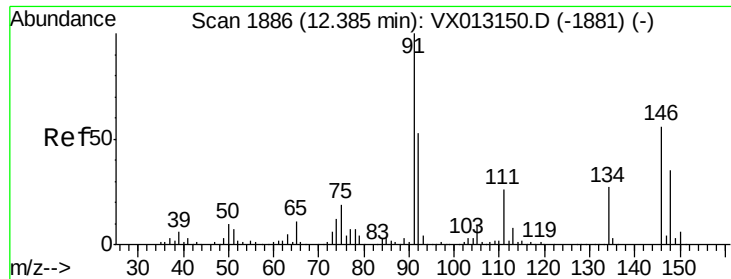


Abundance Ion 117.00 (116.70 to 117.70): VX013149.D (-1887) (-)

Ion 201.00 (200.70 to 201.70): VX013149.D (-1887) (-)

Time-->

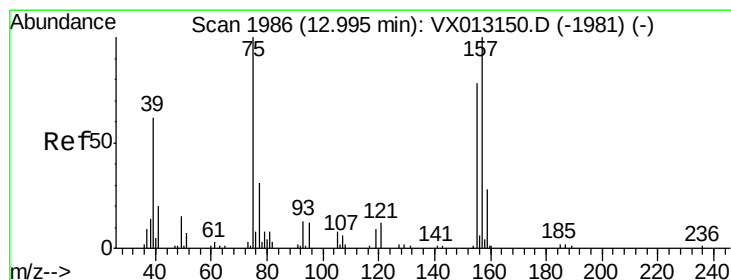
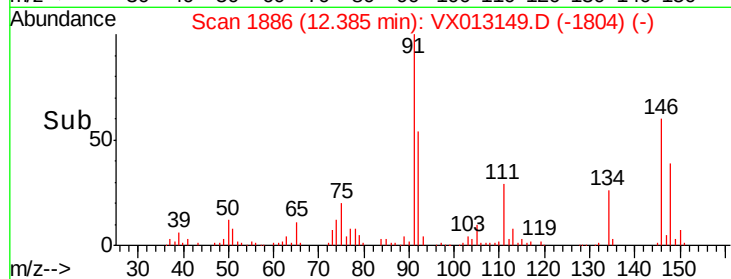
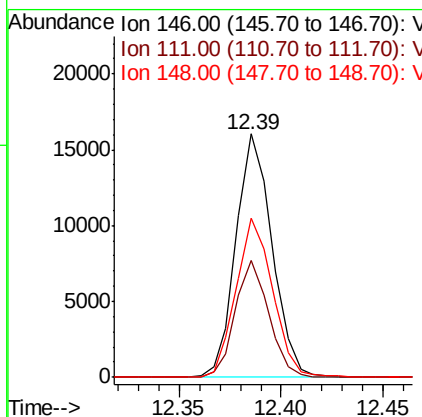
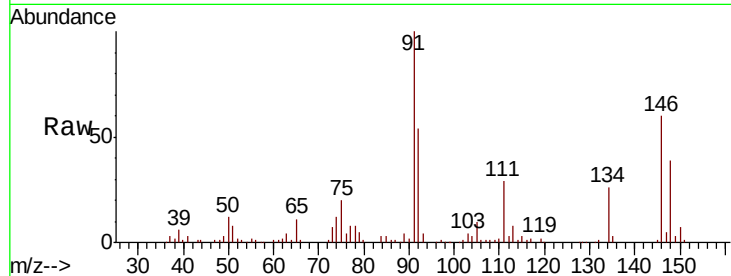




#87
 1,2-Dichlorobenzene
 Concen: 5.211 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

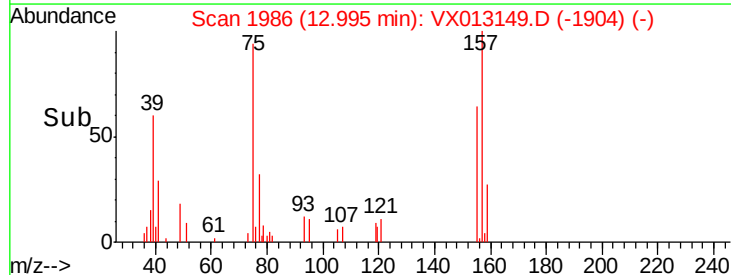
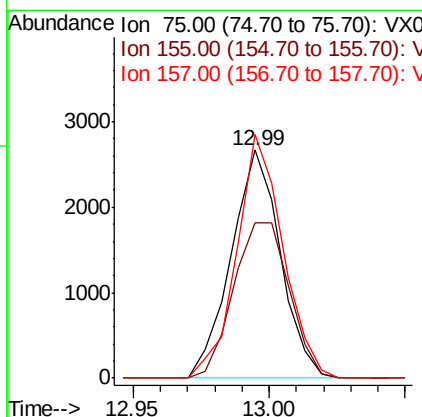
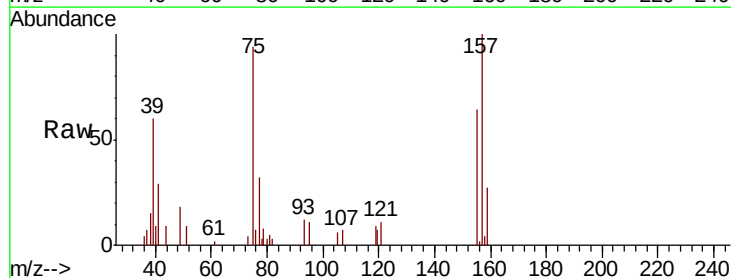
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

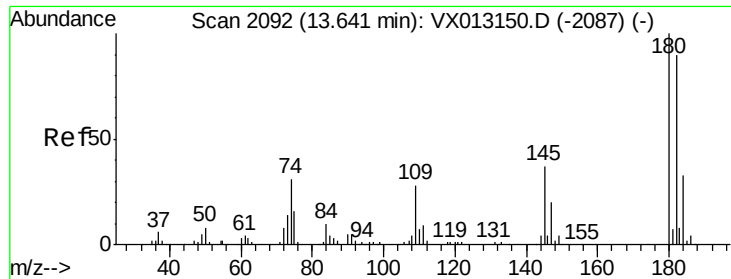
Tot Ion:146 Resp: 19713
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.5 67.5
 148 66.2 31.4 94.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.987 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Tgt Ion: 75 Resp: 3342
 Ion Ratio Lower Upper
 75 100
 155 77.3 65.4 98.0
 157 100.6 84.1 126.1

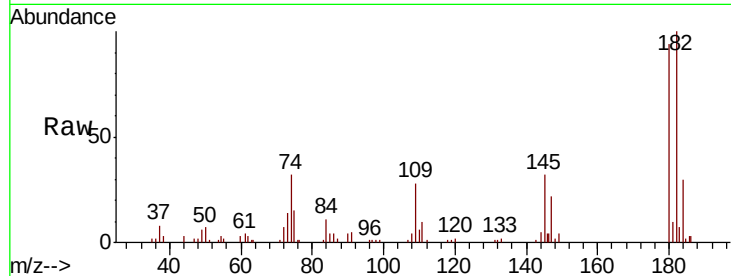




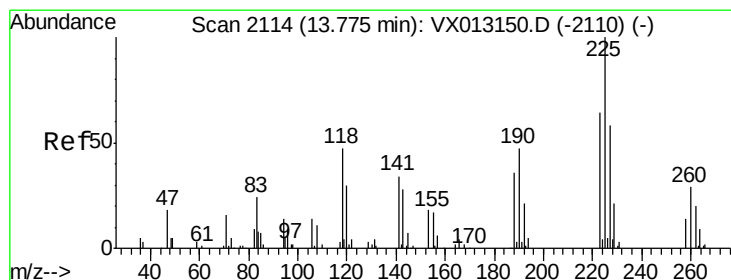
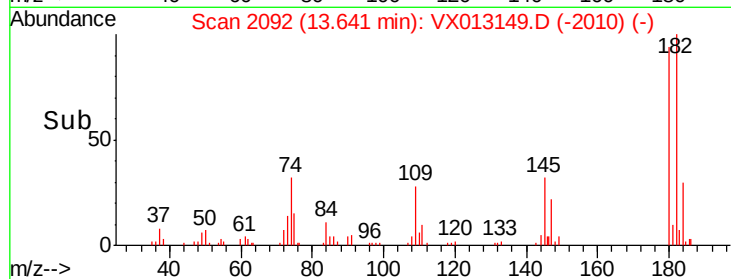
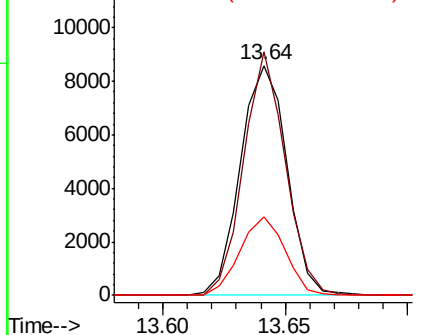
#89
 1,2,4-Trichlorobenzene
 Concen: 4.862 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 11410
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.1 114.1
 145 33.1 27.4 41.2

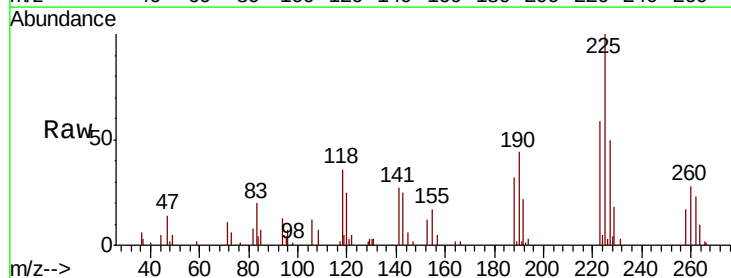


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

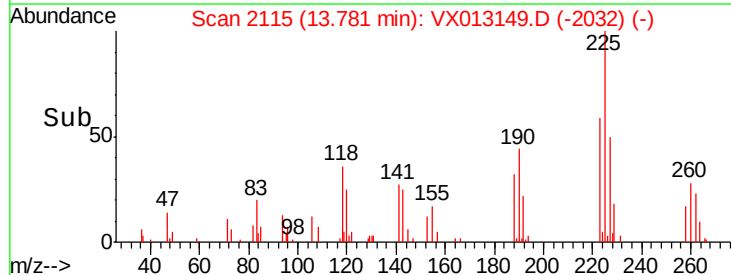
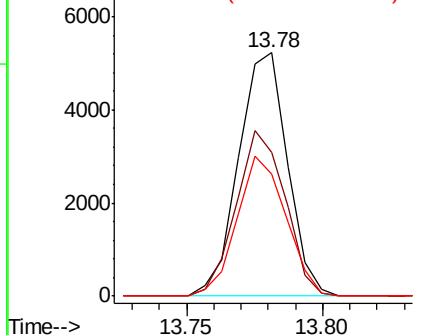


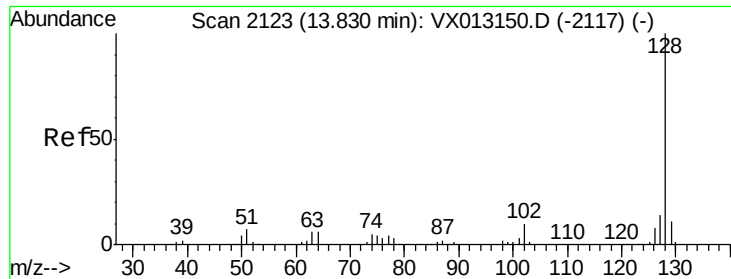
#90
 Hexachlorobutadiene
 Concen: 5.780 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX013149.D
 Acq: 21 Oct 2019 12:13

Tgt Ion:225 Resp: 6523
 Ion Ratio Lower Upper
 225 100
 223 67.8 0.0 131.2
 227 57.7 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

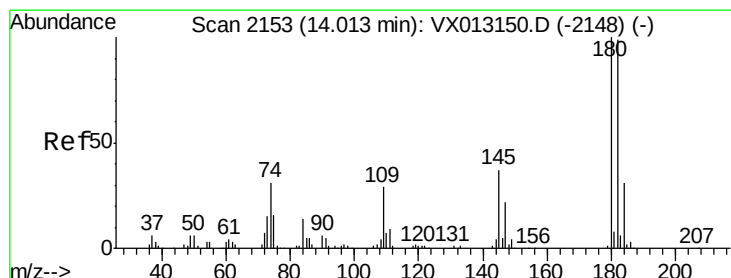
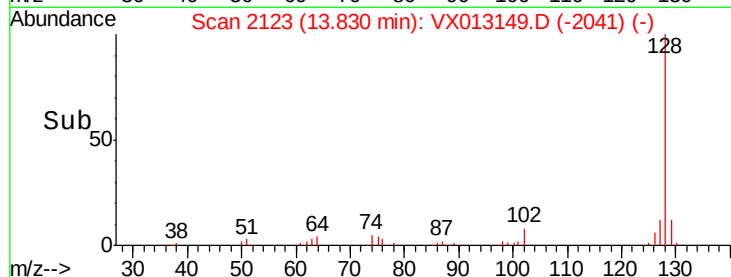
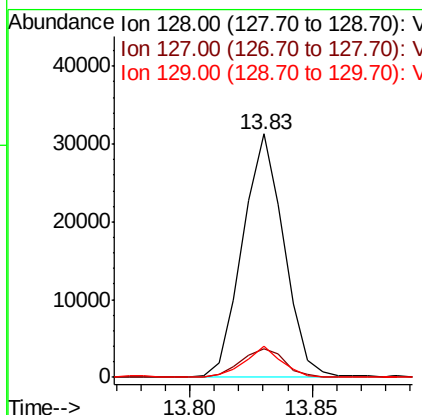
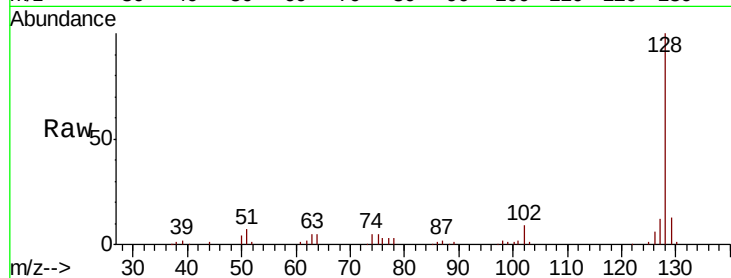




#91
Naphthalene
Concen: 4.671 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 37005
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 11.3 8.6 12.8



#92
1,2,3-Trichlorobenzene
Concen: 5.208 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX013149.D
Acq: 21 Oct 2019 12:13

Tgt Ion:180 Resp: 12325
Ion Ratio Lower Upper
180 100
182 92.1 0.0 194.4
145 36.2 0.0 71.2

