

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013154.D
 Acq On : 21 Oct 2019 15:50
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102119

Quant Time: Oct 22 01:56:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	26058	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	149889	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	133933	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	60698	29.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.63%
60) 4-Bromofluorobenzene	11.13	95	69028	29.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.67%
63) Toluene-d8	8.71	98	181420	30.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	35468	18.958	ug/l 98
3) Chloromethane	1.32	50	32738	20.072	ug/l 97
4) Vinyl Chloride	1.40	62	32800	19.451	ug/l 94
5) Bromomethane	1.63	94	20794	22.851	ug/l 98
6) Chloroethane	1.72	64	20661	19.200	ug/l 97
7) Trichlorofluoromethane	1.92	101	49981	18.443	ug/l 92
8) Diethyl Ether	2.18	74	18479	19.978	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	31873	19.256	ug/l 96
10) 1,1-Dichloroethene	2.36	96	30126	18.845	ug/l 96
11) Methyl Iodide	2.50	142	32713	15.889	ug/l 99
12) Methyl Acetate	2.76	43	41321	20.017	ug/l 99
13) Acrolein	2.28	56	28186	91.725	ug/l 99
14) Acrylonitrile	3.13	53	88195	102.161	ug/l 97
15) Acetone	2.43	58	29059	102.168	ug/l 94
16) Carbon Disulfide	2.56	76	79589	18.644	ug/l 96
17) Allyl chloride	2.72	41	49565	19.492	ug/l 98
18) Methylene Chloride	2.84	84	35644	19.257	ug/l 96
19) trans-1,2-Dichloroethene	3.15	96	33033	19.473	ug/l 96
20) Diisopropyl ether	3.84	45	96387	19.599	ug/l 97
21) 1,1-Dichloroethane	3.69	63	57549	19.272	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	36940	19.097	ug/l 97
23) tert-Butyl Alcohol	3.03	59	46730	102.742	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	106993	19.407	ug/l 97
25) Chloroform	5.20	83	60556	19.298	ug/l 98
26) Cyclohexane	5.56	56	50163	19.145	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	45242	19.429	ug/l 75
30) 2-Butanone	4.66	43	124171	101.661	ug/l 98
31) 2,2-Dichloropropane	4.57	77	51244	19.035	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	53638	19.036	ug/l 98
33) Carbon Tetrachloride	5.78	117	45353	18.727	ug/l 94
34) Benzene	6.13	78	132266	19.731	ug/l 97
35) Methacrylonitrile	5.03	41	24476	19.540	ug/l 98
36) 1,2-Dichloroethane	6.18	62	49755	19.635	ug/l 99
37) Trichloroethene	7.21	130	36011	19.367	ug/l 92
38) Methylcyclohexane	7.46	83	54696	19.261	ug/l 100
39) 1,2-Dichloropropane	7.51	63	32907	20.000	ug/l 98
40) Dibromomethane	7.65	93	23480	19.979	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	45795	19.325	ug/l	99
42) Vinyl Acetate	3.80	43	425486	100.456	ug/l	100
43) Ethyl Acetate	4.82	43	46769	20.994	ug/l	99
44) Isopropyl Acetate	6.43	43	75092	20.056	ug/l	98
45) 1,4-Dioxane	7.73	88	18922	399.618	ug/l	96
46) Methyl methacrylate	7.76	41	37236	20.211	ug/l	93
47) n-amyl Acetate	10.89	43	61814	19.586	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	50127	19.284	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	55277	19.543	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	34545	19.904	ug/l	97
51) Ethyl methacrylate	9.17	69	53323	19.594	ug/l	98
52) 1,3-Dichloropropane	9.37	76	58560	20.035	ug/l	99
53) Dibromochloromethane	9.57	129	35521	18.973	ug/l	100
54) 1,2-Dibromoethane	9.67	107	37377	20.141	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	119616	108.203	ug/l	100
56) Bromoform	10.85	173	24472	18.425	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	232685	103.103	ug/l	99
59) 2-Hexanone	9.48	43	179712	101.607	ug/l	99
61) Tetrachloroethene	9.33	164	35513	20.001	ug/l	97
62) Toluene	8.78	91	145117	20.071	ug/l	99
64) Chlorobenzene	10.14	112	91863	19.816	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.21	131	34993	20.151	ug/l	98
66) Ethyl Benzene	10.25	91	162307	19.505	ug/l	99
67) m/p-Xylenes	10.35	106	123401	39.019	ug/l	100
68) o-Xylene	10.70	106	59690	19.771	ug/l	95
69) Styrene	10.71	104	102097	19.651	ug/l	99
70) Isopropylbenzene	11.01	105	159937	19.306	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	50562	19.918	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	59313	26.901	ug/l	92
73) Bromobenzene	11.25	156	37535	18.880	ug/l	97
74) n-propylbenzene	11.35	91	177030	19.469	ug/l	99
75) 2-Chlorotoluene	11.42	91	113463	19.942	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	135777	19.524	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	16148	18.863	ug/l	96
78) 4-Chlorotoluene	11.51	91	127019	19.538	ug/l	98
79) tert-butylbenzene	11.76	119	132575	19.798	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	137887	19.848	ug/l	100
81) sec-Butylbenzene	11.94	105	153135	19.196	ug/l	100
82) p-Isopropyltoluene	12.06	119	139236	19.090	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	69555	19.157	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	67647	18.839	ug/l	98
85) n-Butylbenzene	12.39	91	114002	18.401	ug/l	98
86) Hexachloroethane	12.59	117	23689	18.608	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	68748	19.520	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	11804	18.871	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	41574	18.980	ug/l	98
90) Hexachlorobutadiene	13.78	225	20292	18.246	ug/l	96
91) Naphthalene	13.83	128	142638	20.019	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	43402	19.340	ug/l	95

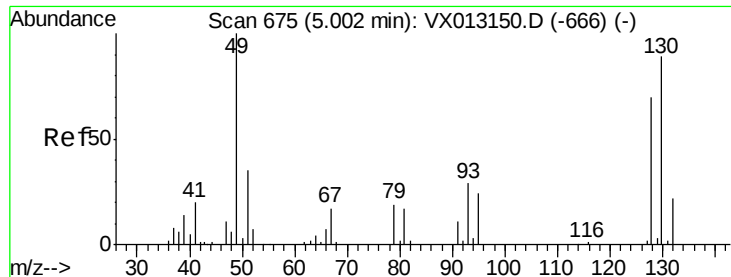
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

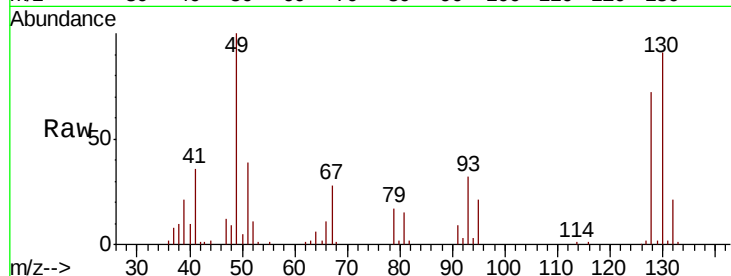
Tot Ion:128 Resp: 26058

Ion Ratio Lower Upper

128 100

49 150.1 0.0 367.3

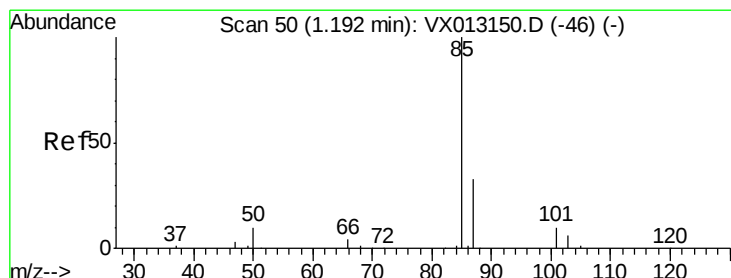
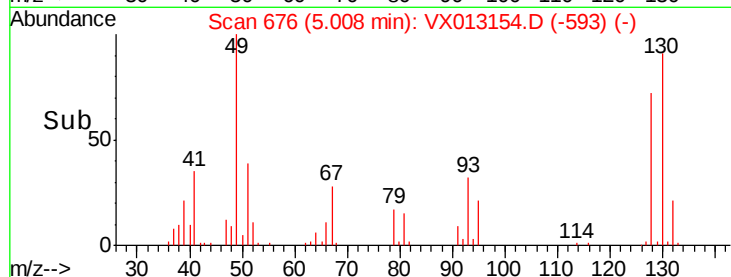
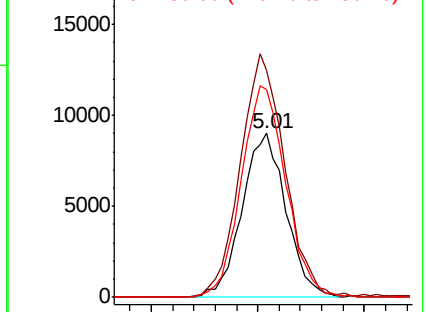
130 131.3 0.0 325.0



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: 18.958 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013154.D

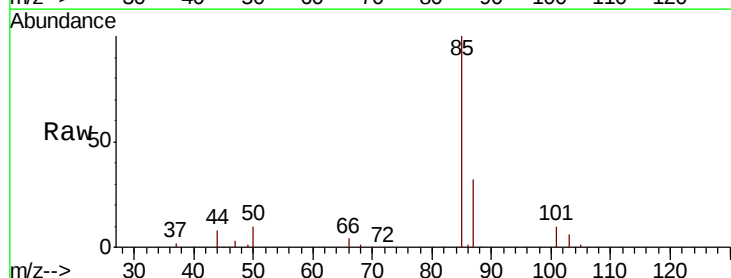
Acq: 21 Oct 2019 15:50

Tgt Ion: 85 Resp: 35468

Ion Ratio Lower Upper

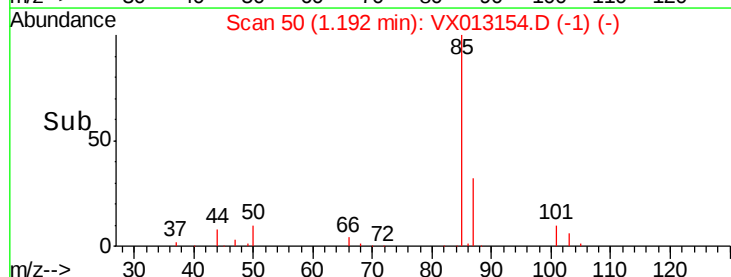
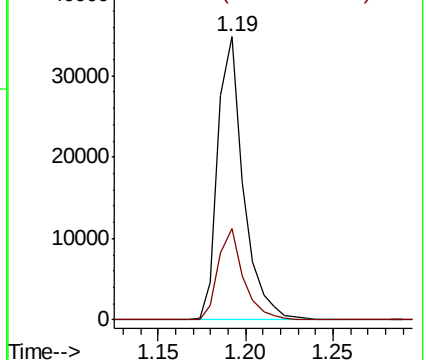
85 100

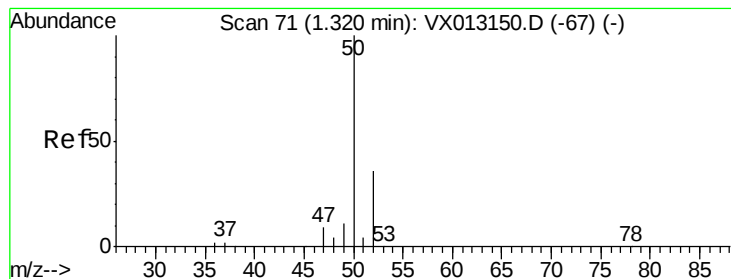
87 32.2 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.072 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

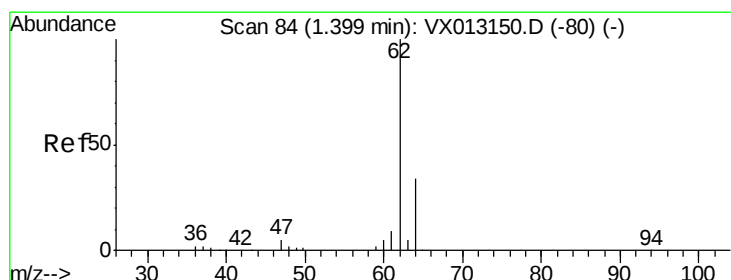
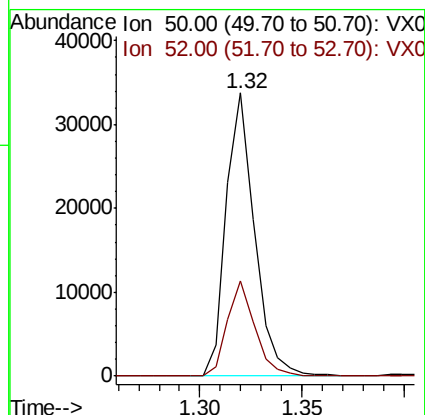
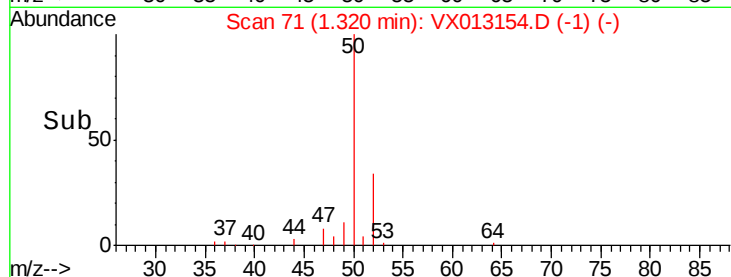
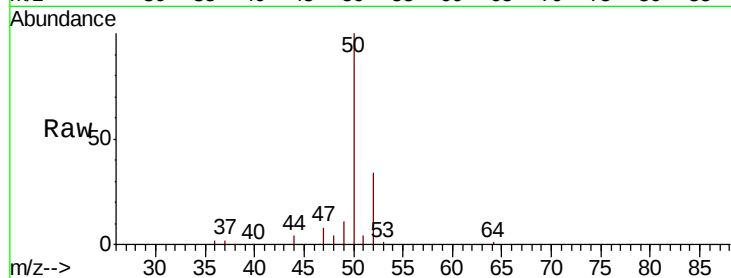
ICVVX102119

Tot Ion: 50 Resp: 32738

Ion Ratio Lower Upper

50 100

52 33.7 28.6 42.8



#4

Vinyl Chloride

Concen: 19.451 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013154.D

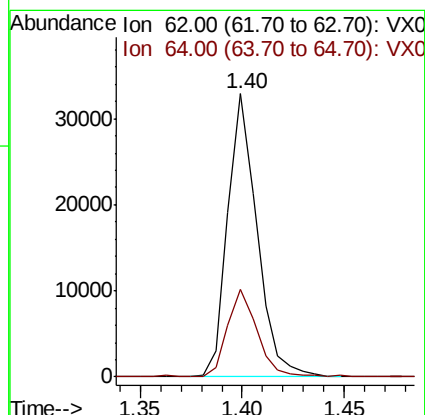
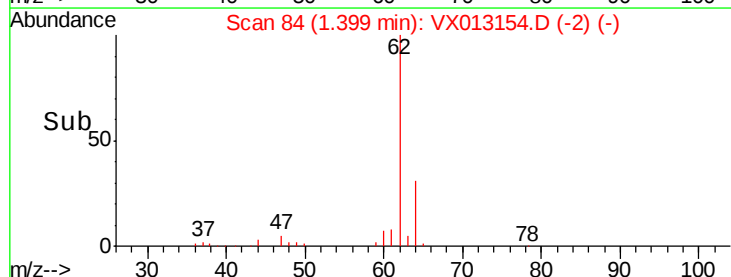
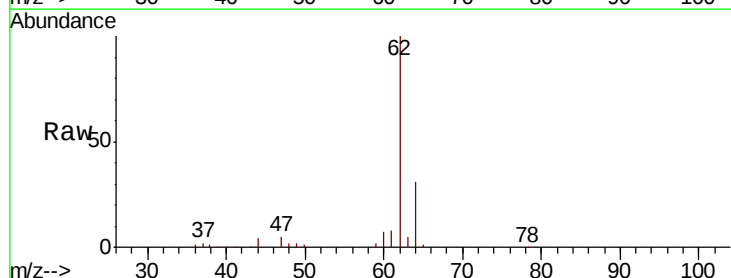
Acq: 21 Oct 2019 15:50

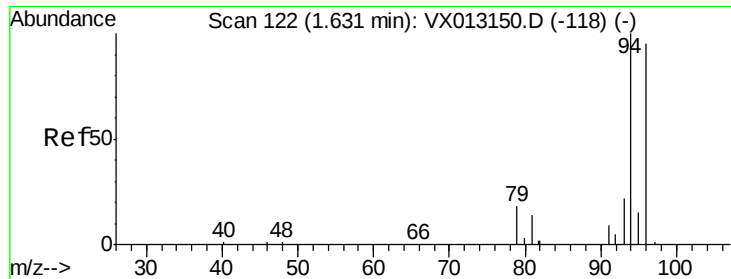
Tgt Ion: 62 Resp: 32800

Ion Ratio Lower Upper

62 100

64 30.7 27.3 40.9

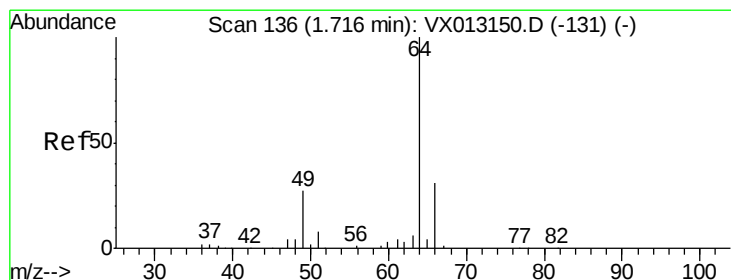
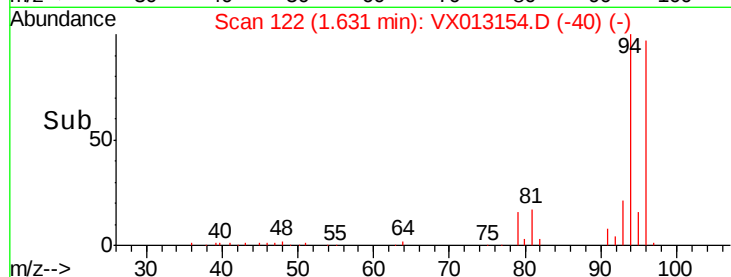
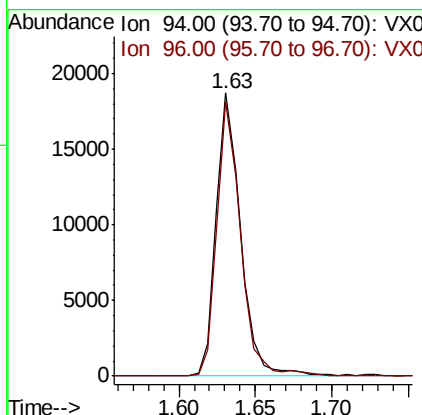
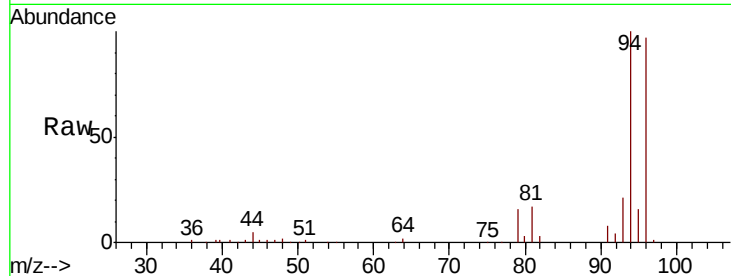




#5
Bromomethane
Concen: 22.851 ug/l
RT: 1.63 min Scan# 122
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

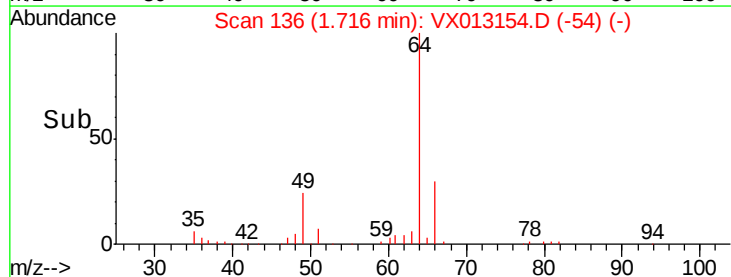
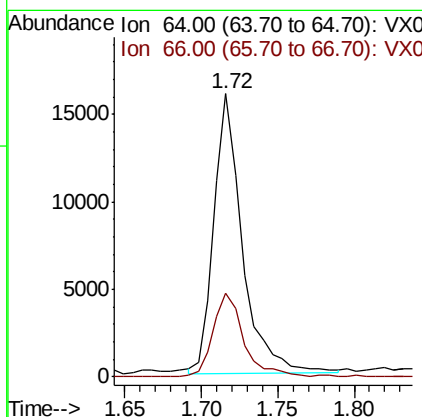
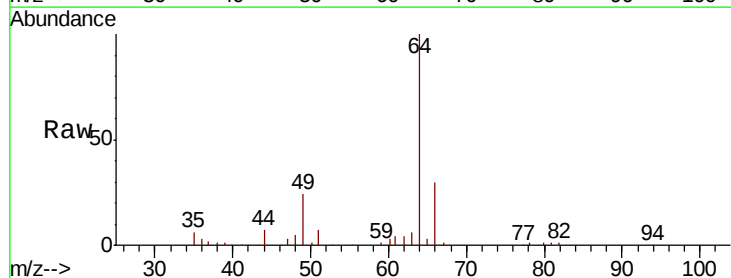
Instrument :
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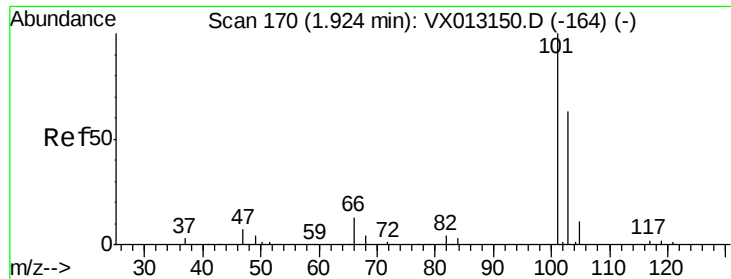
Tot Ion: 94 Resp: 20794
Ion Ratio Lower Upper
94 100
96 97.0 75.9 113.9



#6
Chloroethane
Concen: 19.200 ug/l
RT: 1.72 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion: 64 Resp: 20661
Ion Ratio Lower Upper
64 100
66 29.9 25.4 38.2



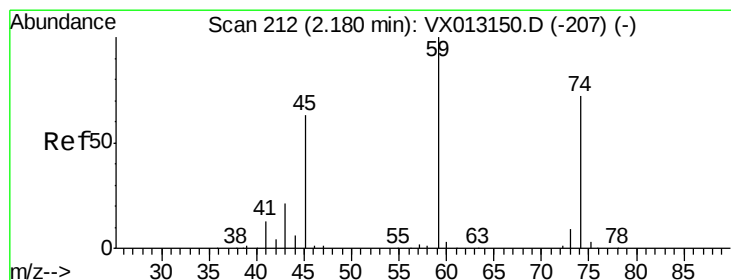
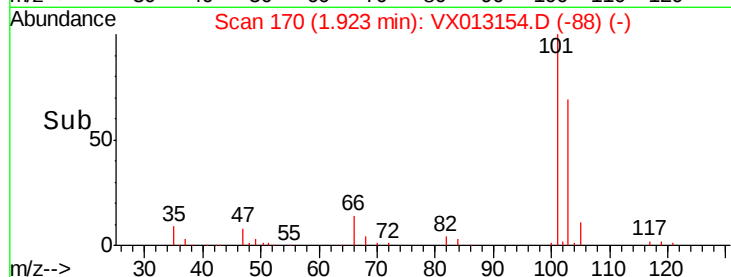
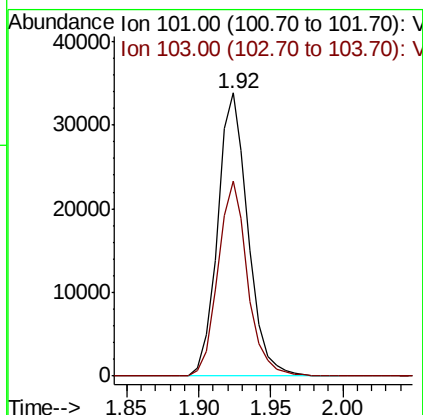
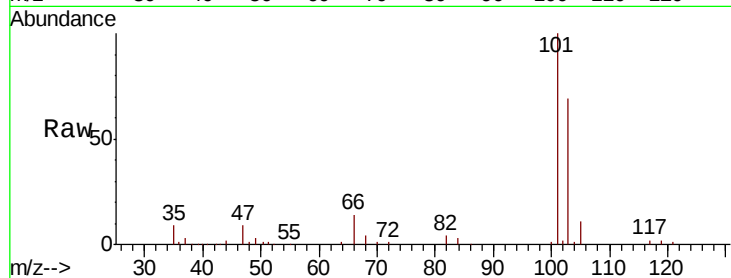


#7

Trichlorofluoromethane
 Concen: 18.443 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. -0.00 min
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Instrument :
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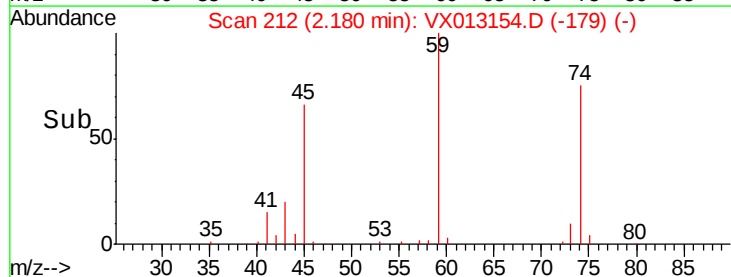
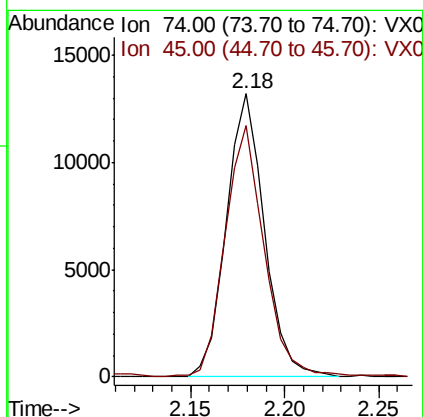
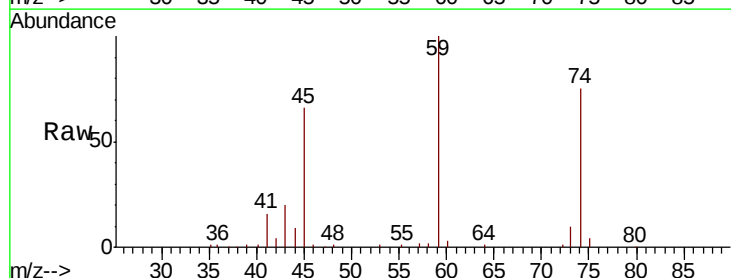
Tot Ion:101 Resp: 49981
 Ion Ratio Lower Upper
 101 100
 103 68.7 50.2 75.4

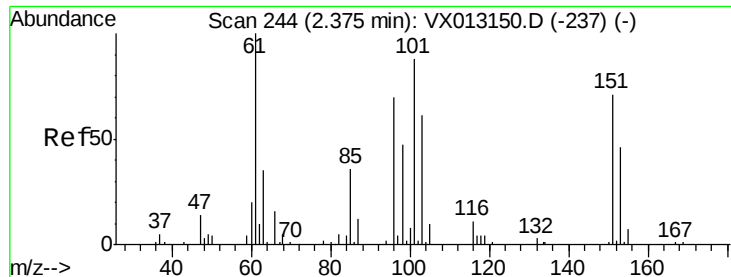


#8

Diethyl Ether
 Concen: 19.978 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

Tgt Ion: 74 Resp: 18479
 Ion Ratio Lower Upper
 74 100
 45 91.3 18.4 165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.256 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

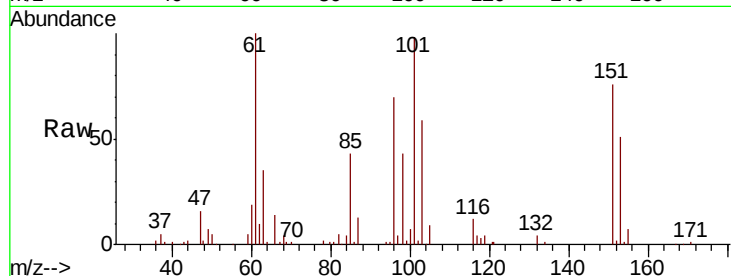
Tot Ion:101 Resp: 31873

Ion Ratio Lower Upper

101 100

85 42.7 0.0 87.2

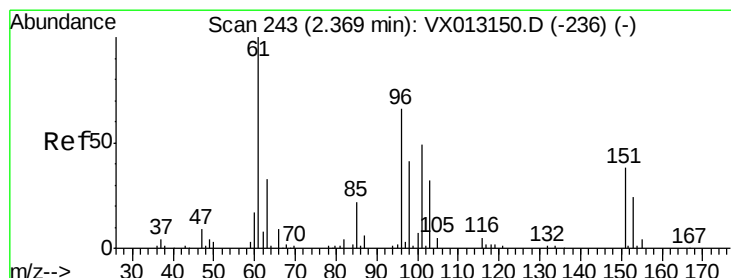
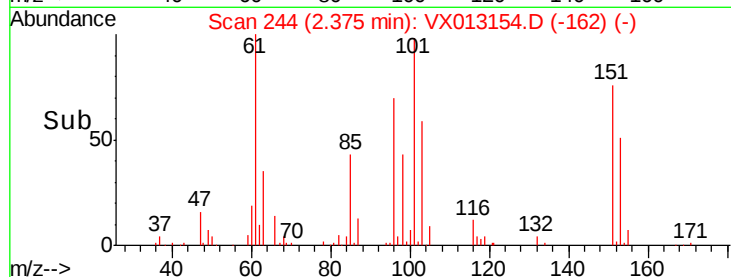
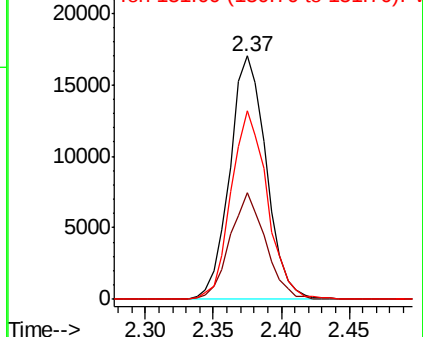
151 76.4 0.0 163.0



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: 18.845 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

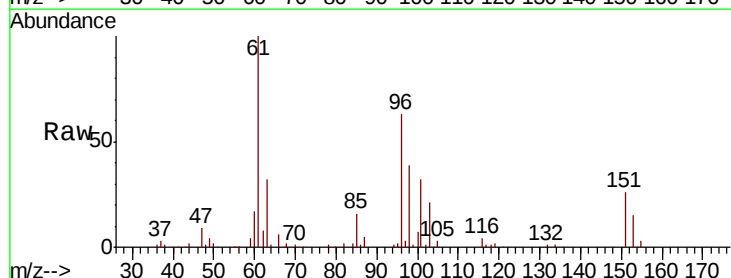
Tgt Ion: 96 Resp: 30126

Ion Ratio Lower Upper

96 100

61 159.2 121.3 181.9

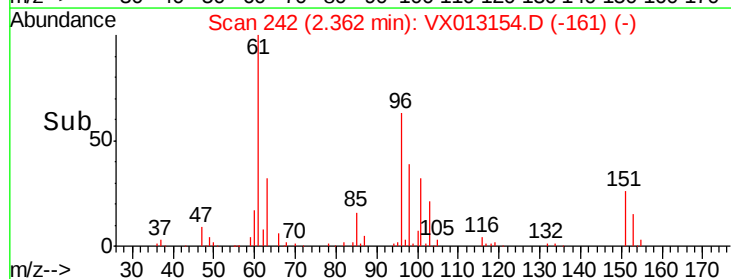
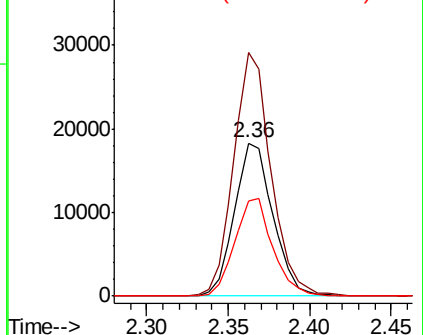
98 62.1 49.5 74.3

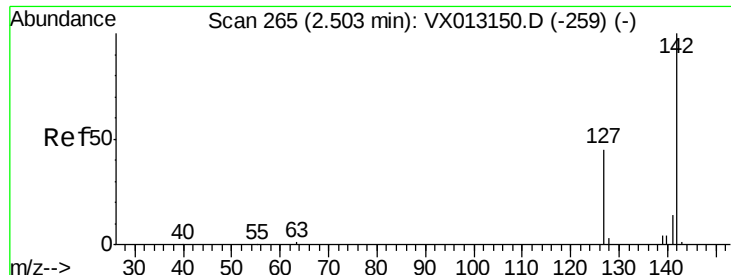


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

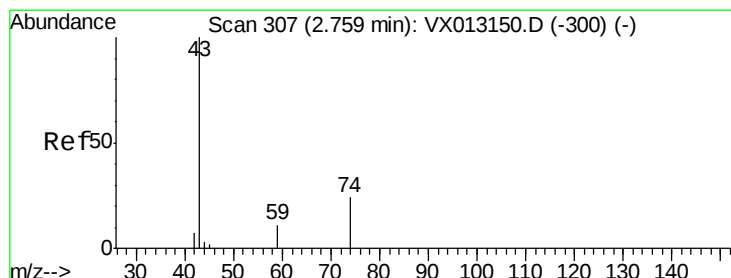
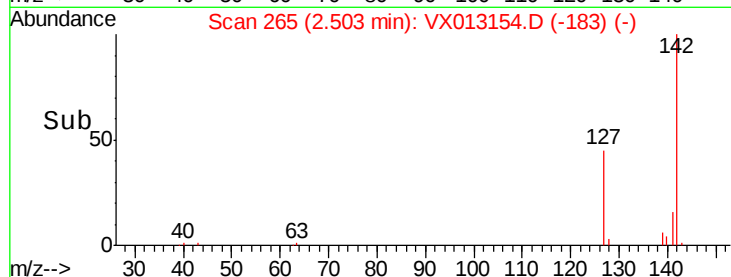
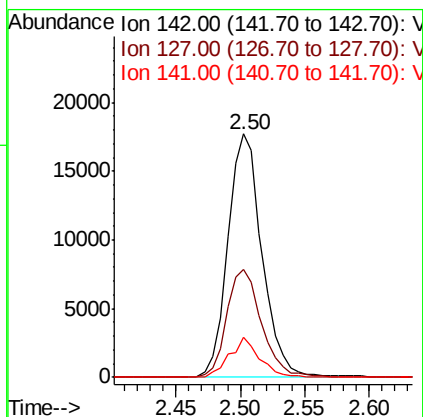
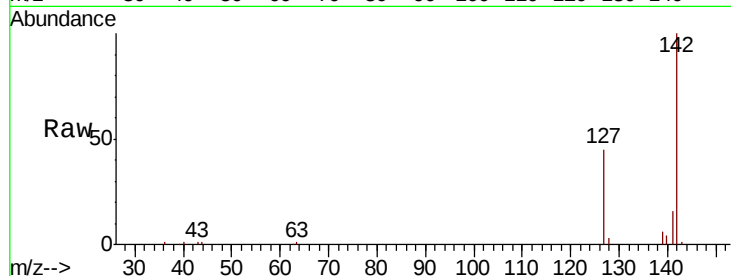




#11
Methyl Iodide
Concen: 15.889 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

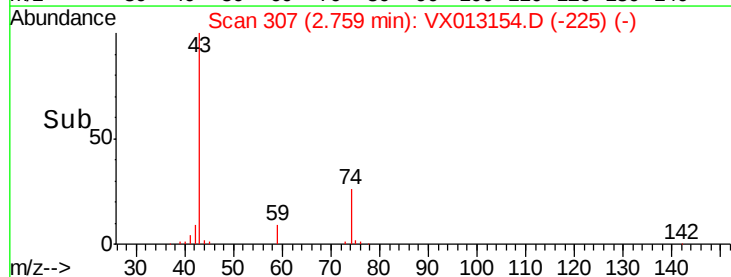
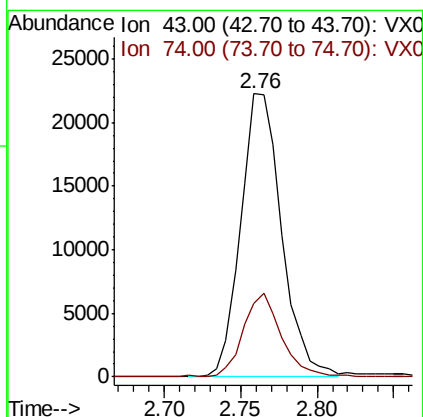
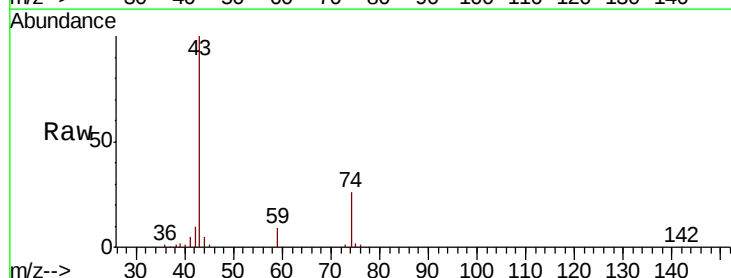
Instrument :
MSVOA_X
ClientSampleId :
ICVVX102119

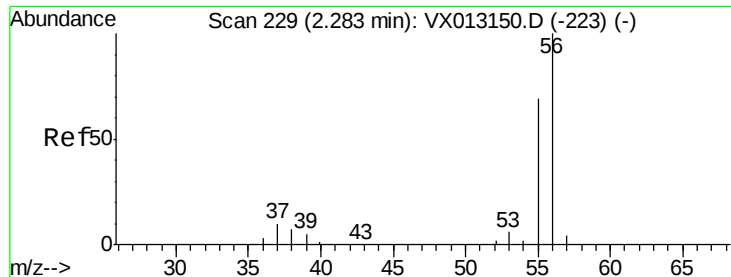
Tot Ion:142 Resp: 32713
Ion Ratio Lower Upper
142 100
127 44.6 22.3 66.9
141 16.4 7.1 21.3



#12
Methyl Acetate
Concen: 20.017 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion: 43 Resp: 41321
Ion Ratio Lower Upper
43 100
74 25.3 19.7 29.5





#13

Acrolein

Concen: 91.725 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

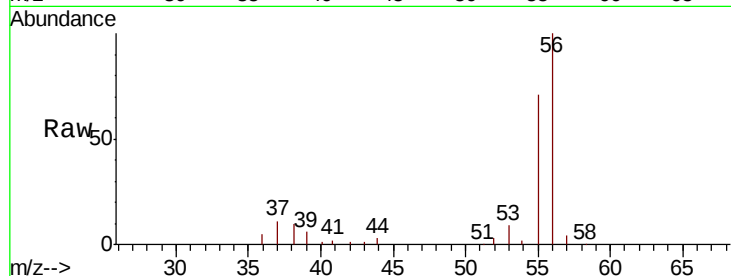
ICVVX102119

Tot Ion: 56 Resp: 28186

Ion Ratio Lower Upper

56 100

55 70.3 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

20000

15000

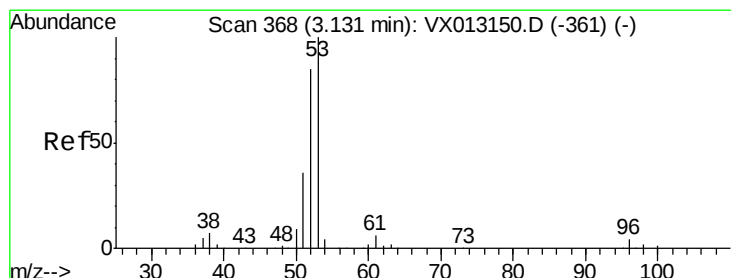
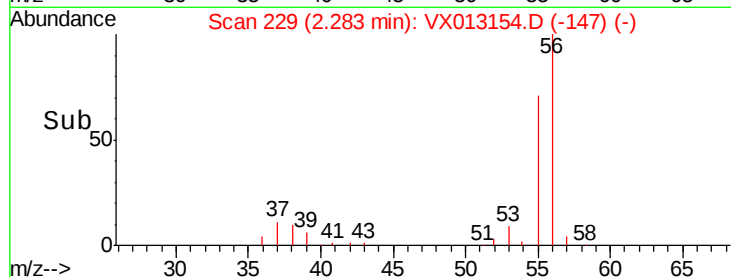
10000

5000

0

Time-->

2.20 2.25 2.30 2.35



#14

Acrylonitrile

Concen: 102.161 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

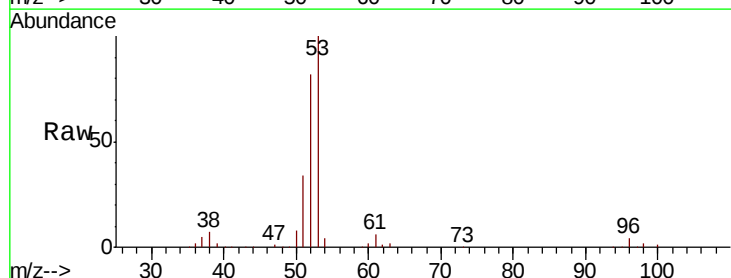
Tgt Ion: 53 Resp: 88195

Ion Ratio Lower Upper

53 100

52 81.5 42.0 126.0

51 35.4 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

60000

50000

40000

30000

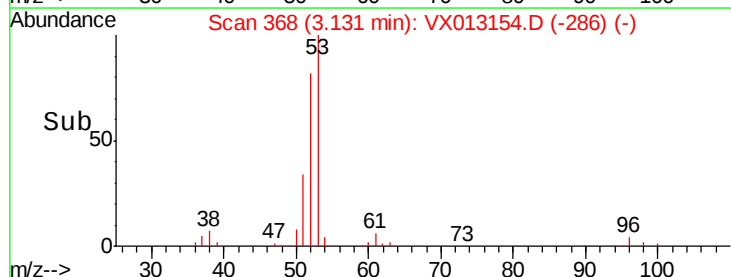
20000

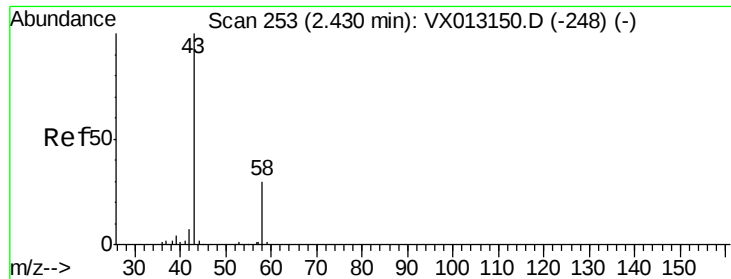
10000

0

Time-->

3.05 3.10 3.15 3.20 3.25





#15

Acetone

Concen: 102.168 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

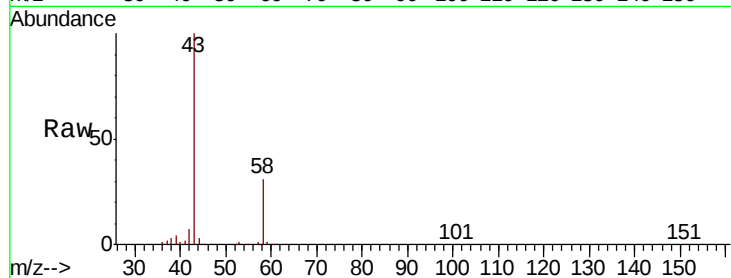
ICVVX102119

Tot Ion: 58 Resp: 29059

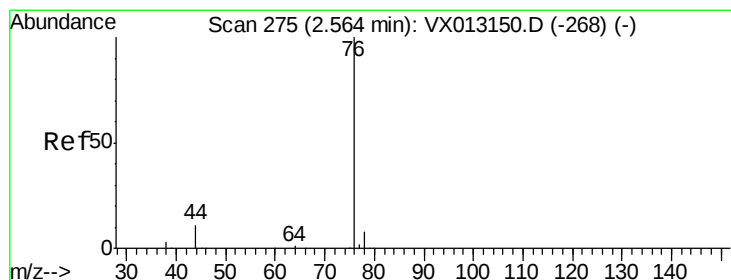
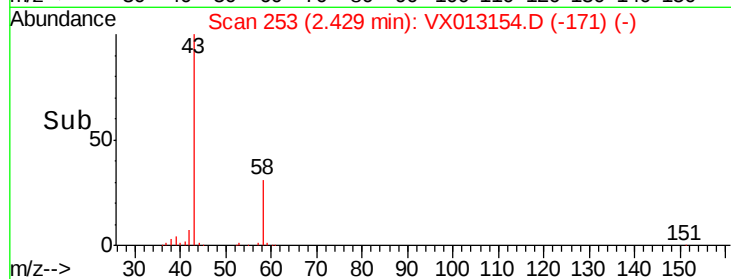
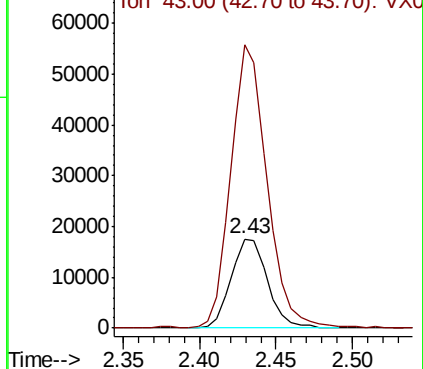
Ion Ratio Lower Upper

58 100

43 316.8 262.8 394.2



Abundance Ion 58.00 (57.70 to 58.70): VX0



#16

Carbon Disulfide

Concen: 18.644 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX013154.D

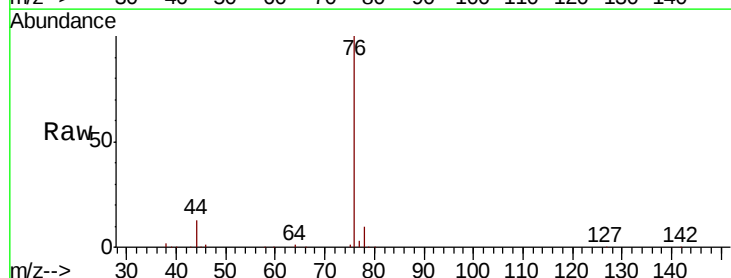
Acq: 21 Oct 2019 15:50

Tgt Ion: 76 Resp: 79589

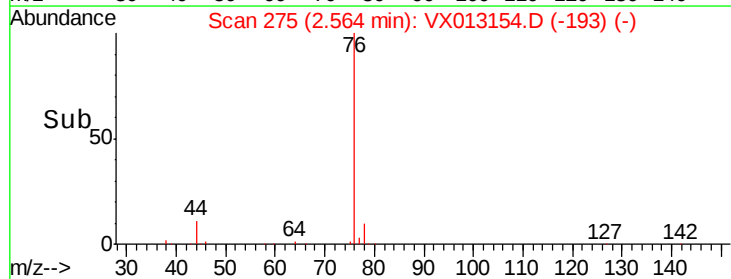
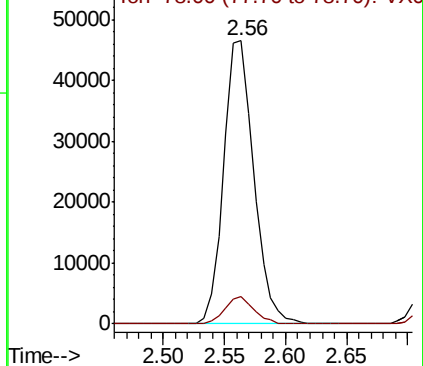
Ion Ratio Lower Upper

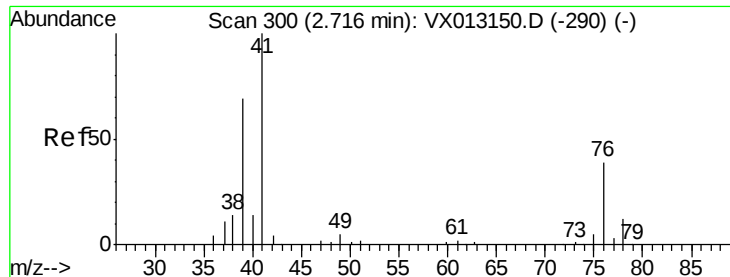
76 100

78 9.8 6.6 10.0



Abundance Ion 76.00 (75.70 to 76.70): VX0





#17

Allvl chloride

Concen: 19.492 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

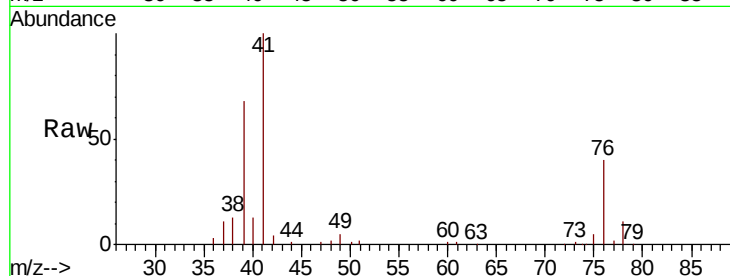
Tot Ion: 41 Resp: 49565

Ion Ratio Lower Upper

41 100

39 68.0 34.7 104.1

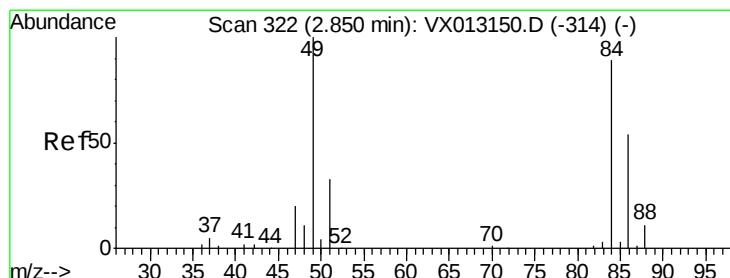
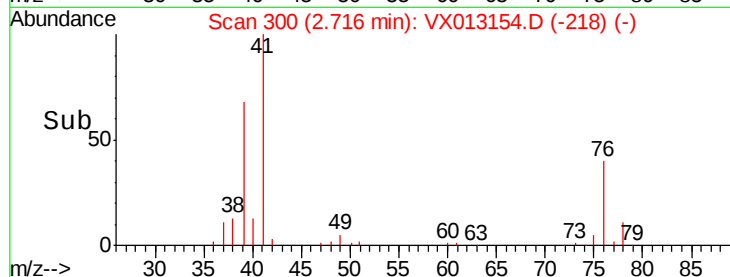
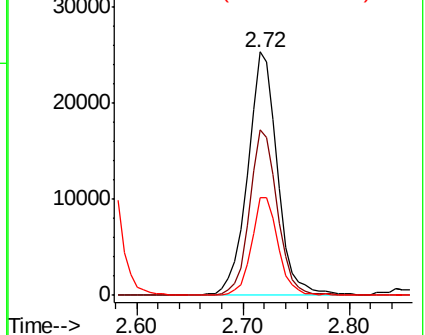
76 40.1 19.7 59.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 19.257 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Tgt Ion: 84 Resp: 35644

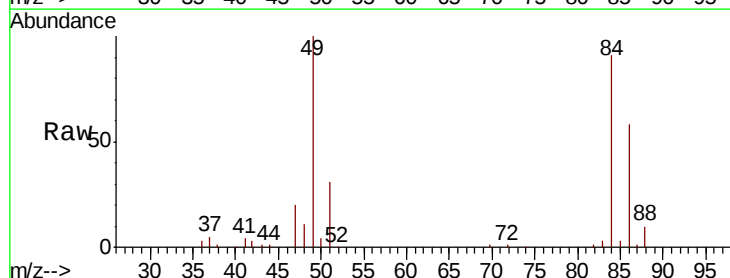
Ion Ratio Lower Upper

84 100

49 109.8 90.3 135.5

51 34.5 29.9 44.9

86 64.2 49.0 73.4

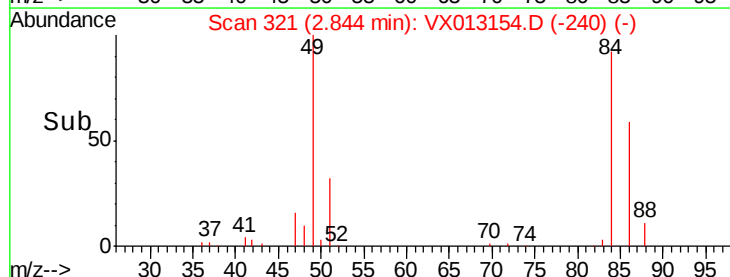
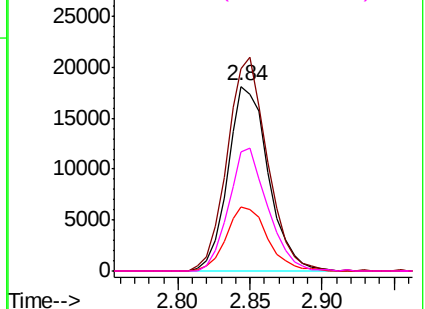


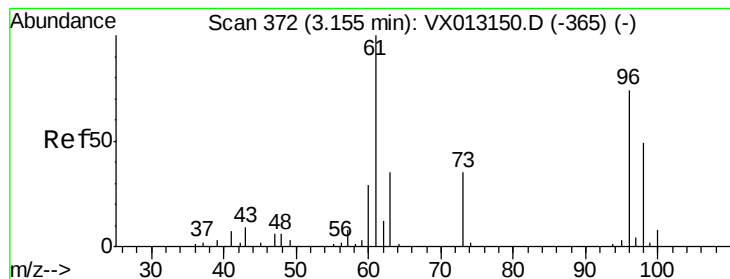
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#19

trans-1,2-Dichloroethene

Concen: 19.473 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

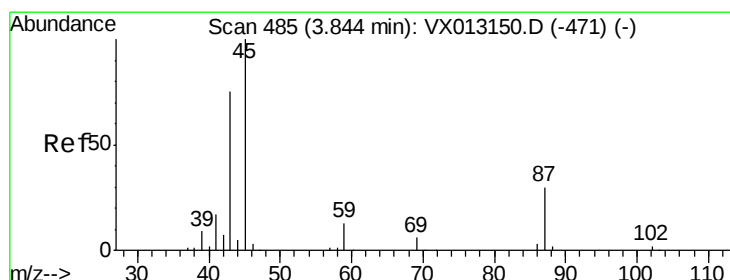
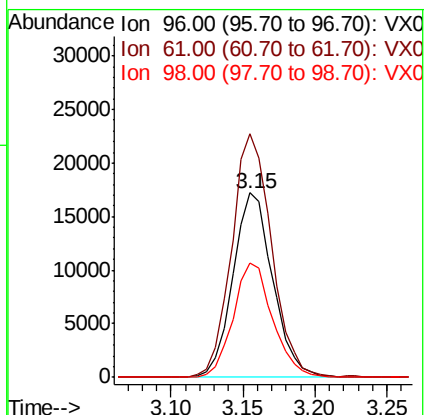
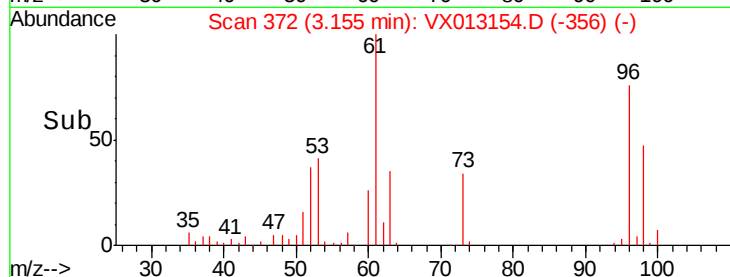
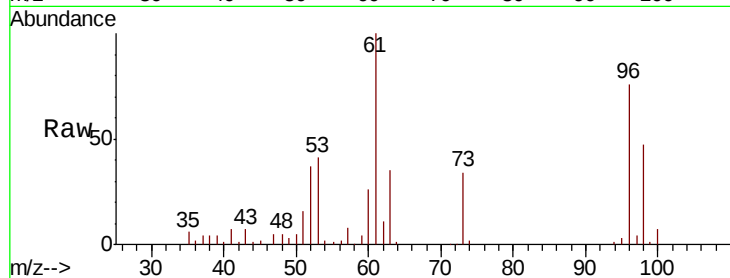
Tot Ion: 96 Resp: 33033

Ion Ratio Lower Upper

96 100

61 132.0 108.6 162.8

98 62.3 53.4 80.0



#20

Diisopropyl ether

Concen: 19.599 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Tgt Ion: 45 Resp: 96387

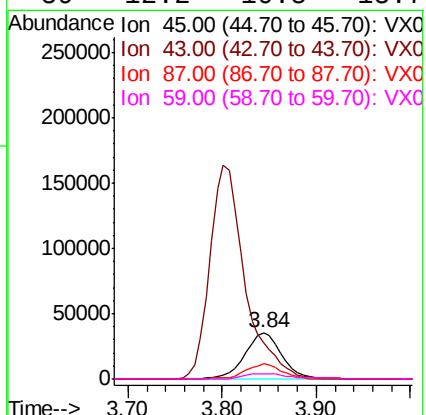
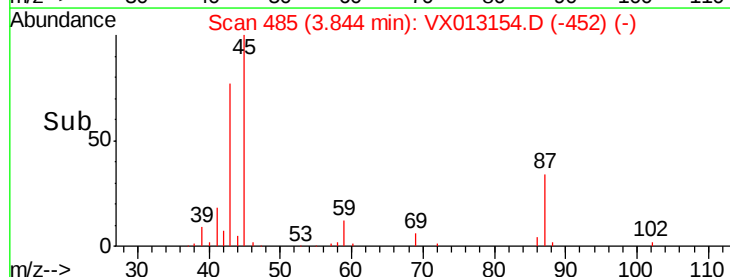
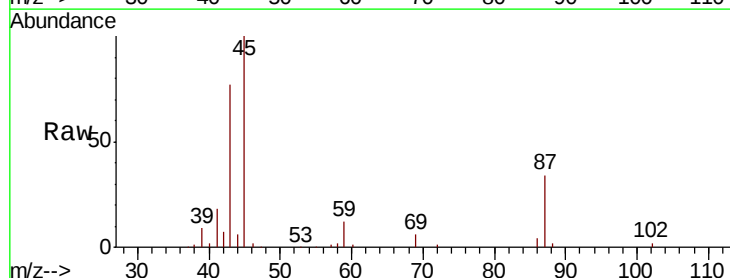
Ion Ratio Lower Upper

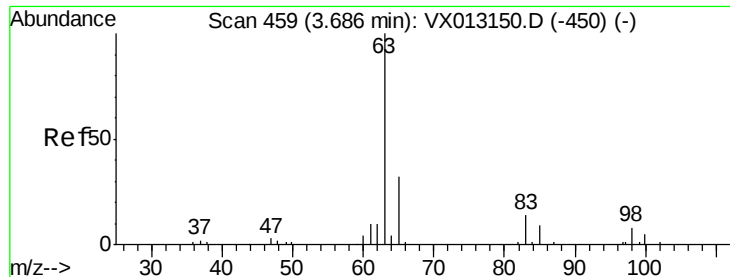
45 100

43 74.9 60.6 91.0

87 34.3 24.2 36.2

59 12.2 10.5 15.7





#21

1,1-Dichloroethane

Concen: 19.272 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

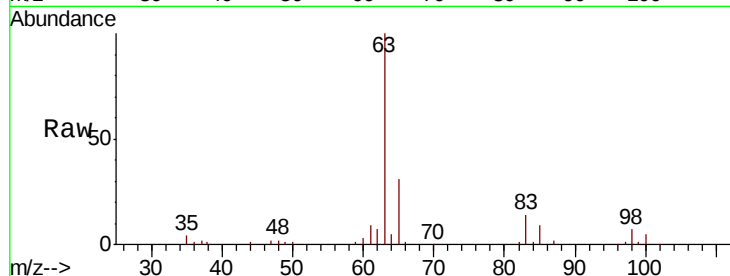
Tot Ion: 63 Resp: 57549

Ion Ratio Lower Upper

63 100

98 6.9 4.2 12.4

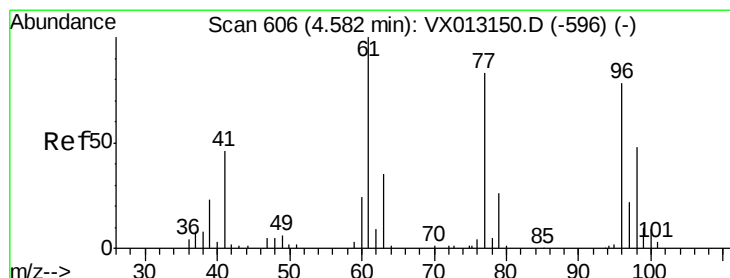
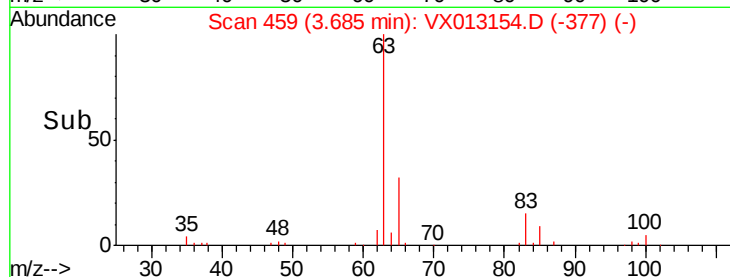
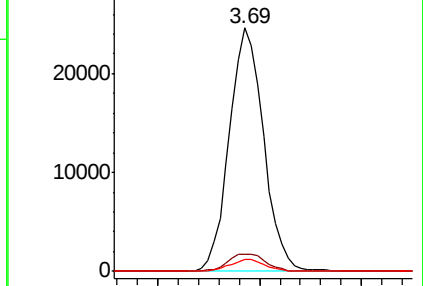
100 5.1 2.4 7.2



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 19.097 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

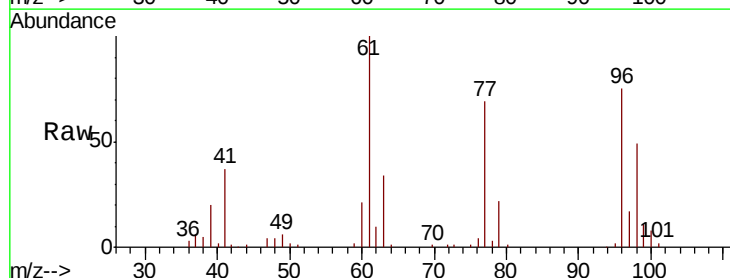
Tgt Ion: 96 Resp: 36940

Ion Ratio Lower Upper

96 100

61 143.8 112.5 168.7

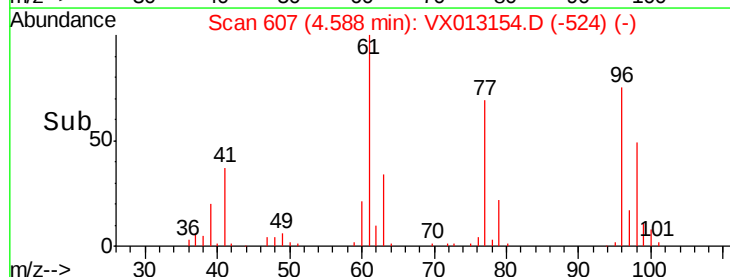
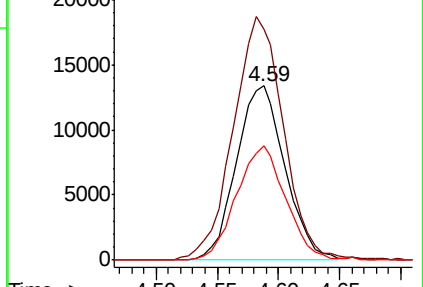
98 66.2 51.2 76.8

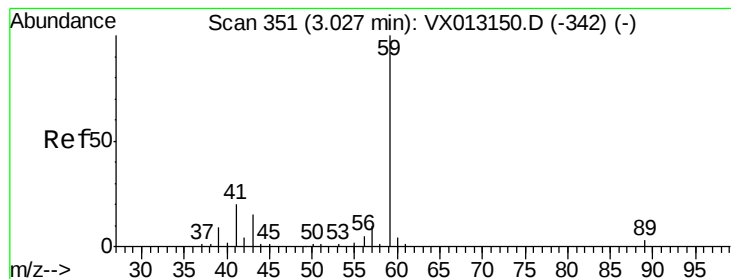


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 102.742 ug/l

RT: 3.03 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

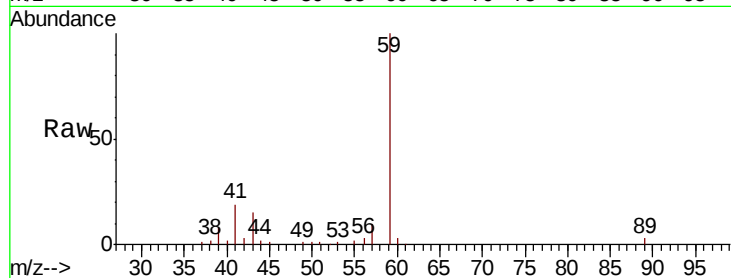
ICVX102119

Tot Ion: 59 Resp: 46730

Ion Ratio Lower Upper

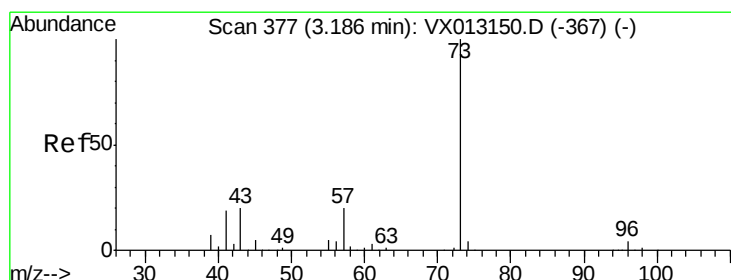
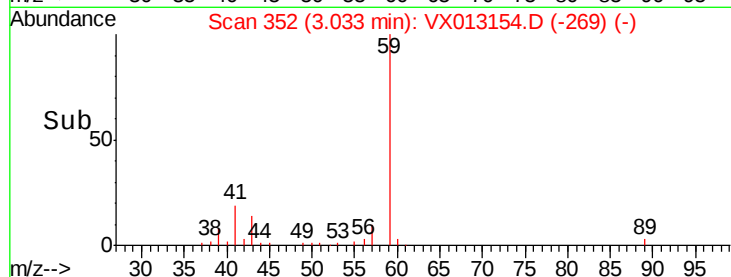
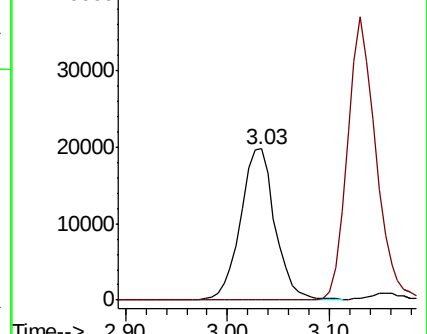
59 100

52 0.1 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 19.407 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: VX013154.D

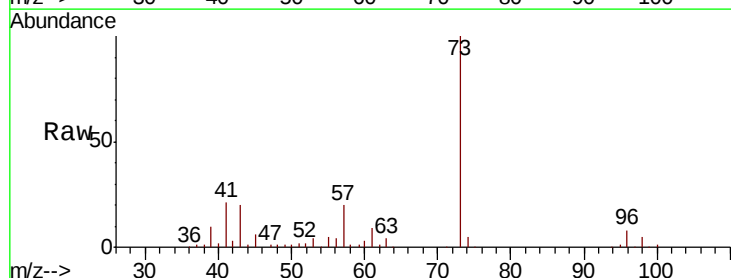
Acq: 21 Oct 2019 15:50

Tgt Ion: 73 Resp: 106993

Ion Ratio Lower Upper

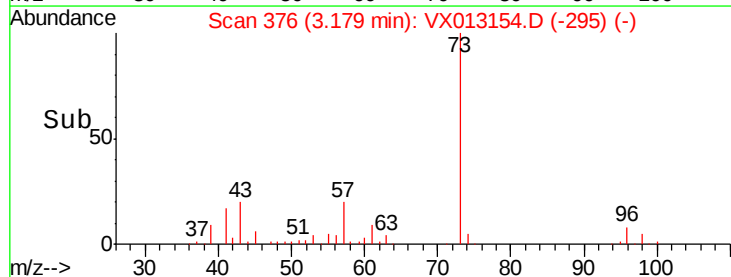
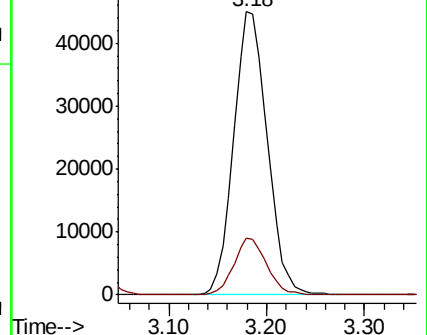
73 100

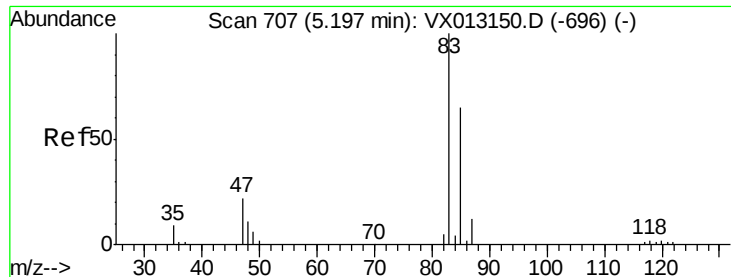
43 19.8 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 19.298 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

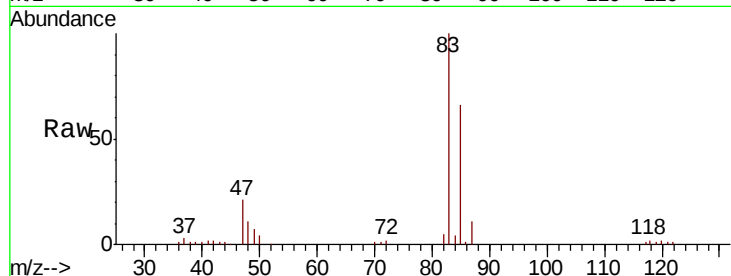
ICVVX102119

Tot Ion: 83 Resp: 60556

Ion Ratio Lower Upper

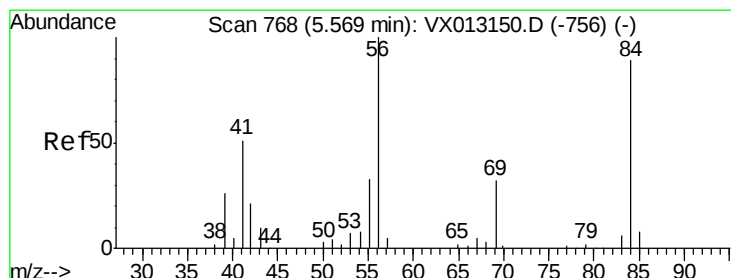
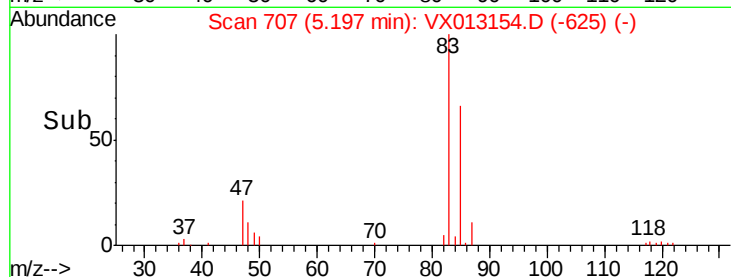
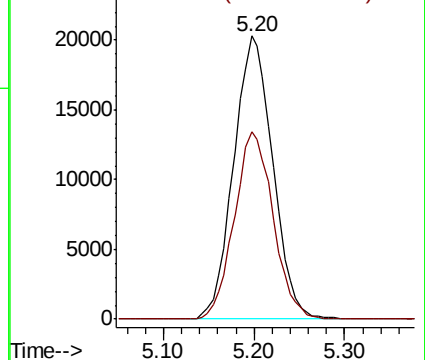
83 100

85 66.3 52.0 78.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 19.145 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

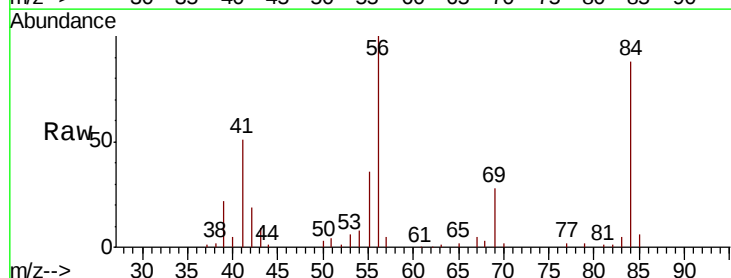
Tgt Ion: 56 Resp: 50163

Ion Ratio Lower Upper

56 100

89 0.0 0.2 0.2#

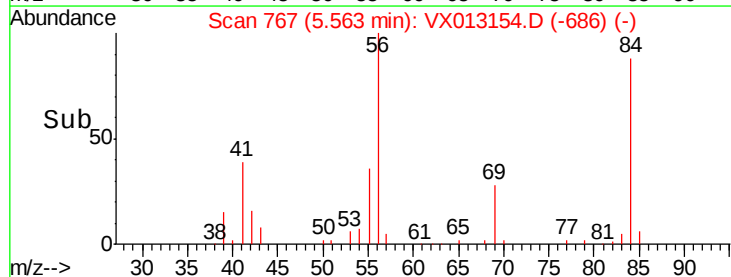
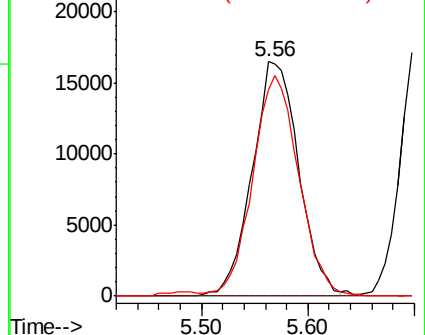
84 93.6 74.0 111.0

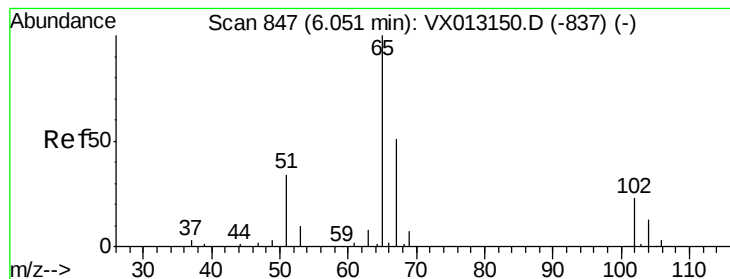


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.590 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

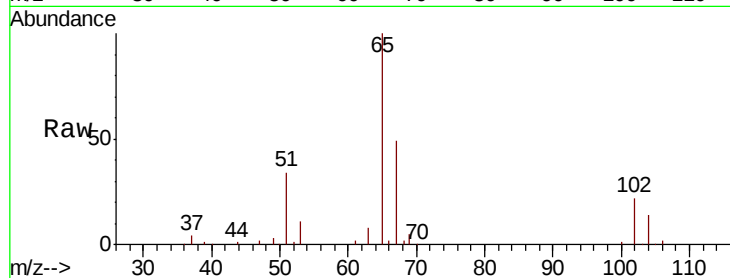
ICVVX102119

Tot Ion: 65 Resp: 60698

Ion Ratio Lower Upper

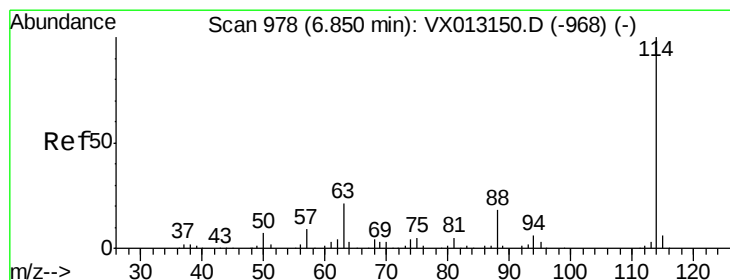
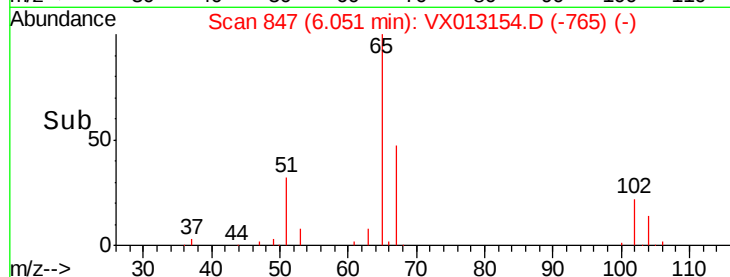
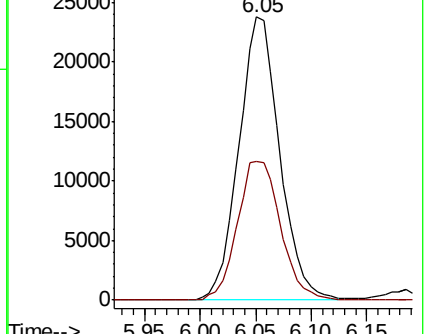
65 100

67 51.9 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: VX013154.D

Acq: 21 Oct 2019 15:50

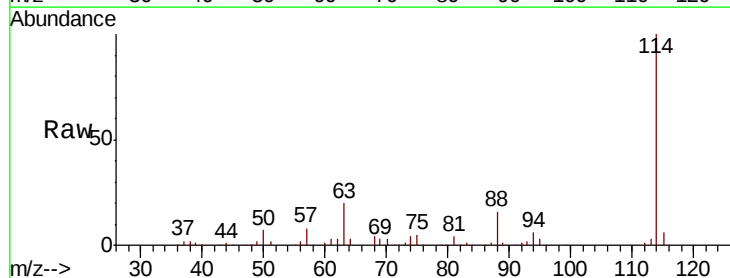
Tgt Ion: 114 Resp: 149889

Ion Ratio Lower Upper

114 100

63 20.0 16.1 24.1

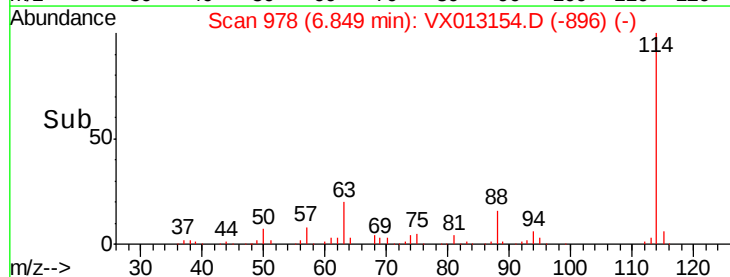
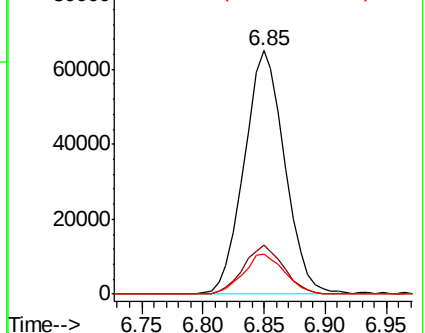
88 16.8 13.7 20.5

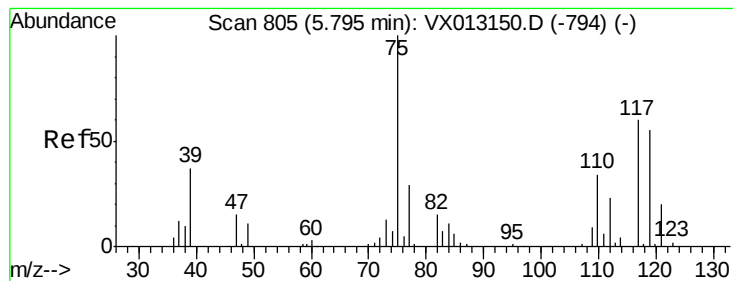


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 19.429 ug/l

RT: 5.79 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

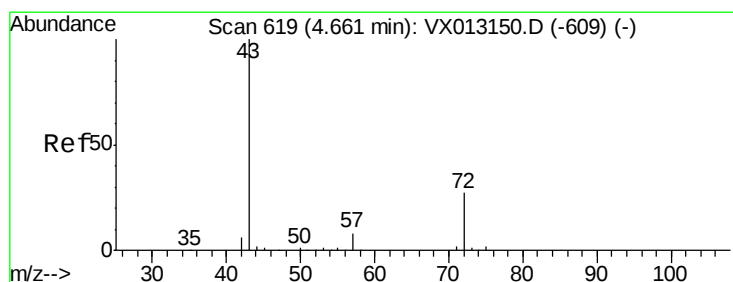
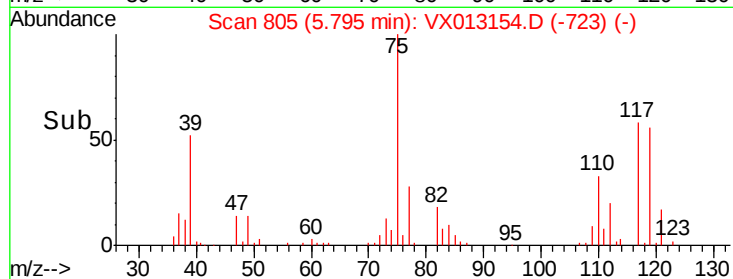
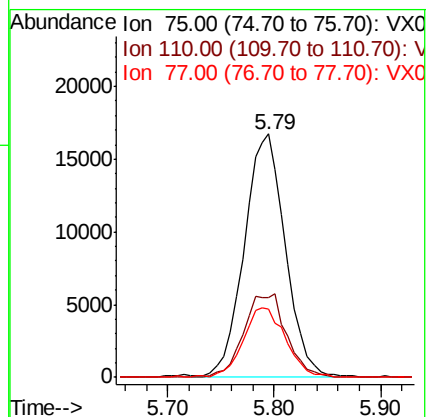
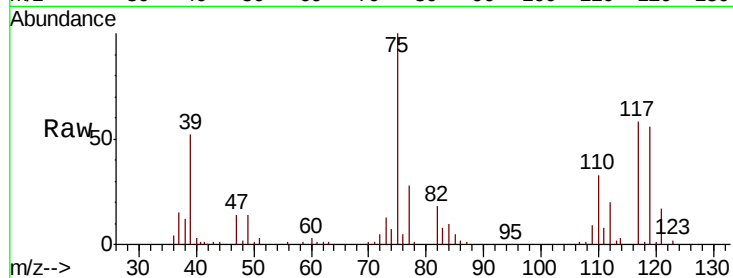
Tot Ion: 75 Resp: 45242

Ion Ratio Lower Upper

75 100

110 22.2 0.0 68.4

77 29.6 0.0 30.8



#30

2-Butanone

Concen: 101.661 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

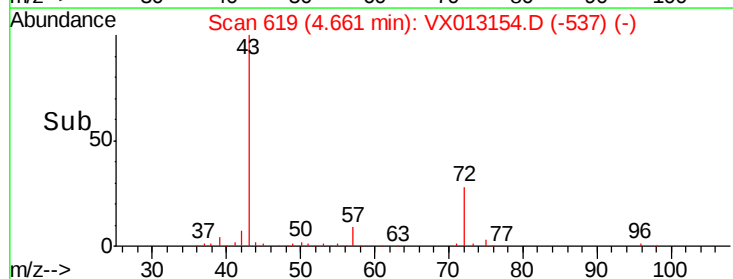
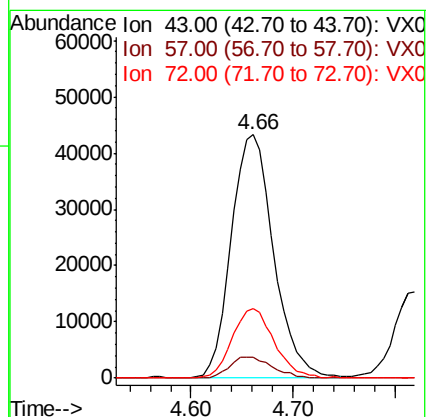
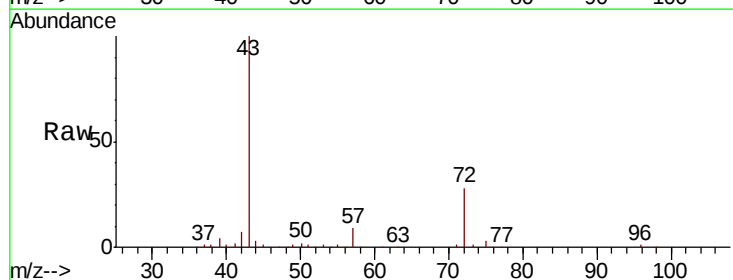
Tgt Ion: 43 Resp: 124171

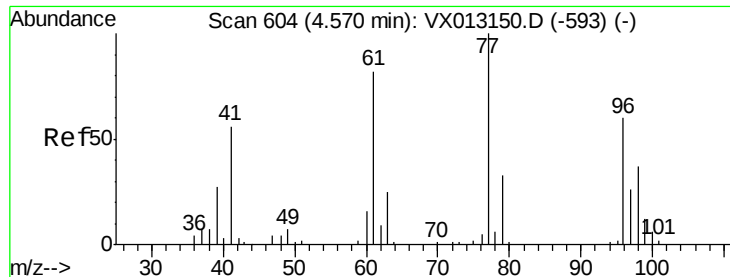
Ion Ratio Lower Upper

43 100

57 8.7 7.0 10.6

72 28.3 23.4 35.2





#31

2,2-Dichloropropane

Concen: 19.035 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

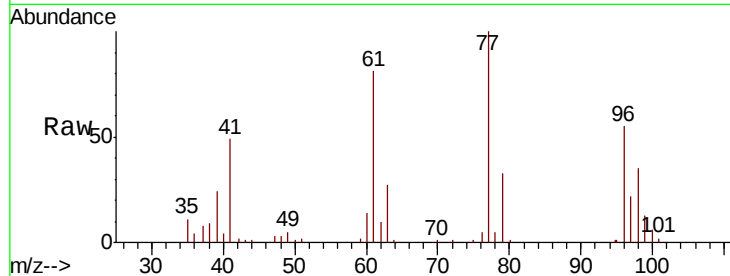
ICVVX102119

Tot Ion: 77 Resp: 51244

Ion Ratio Lower Upper

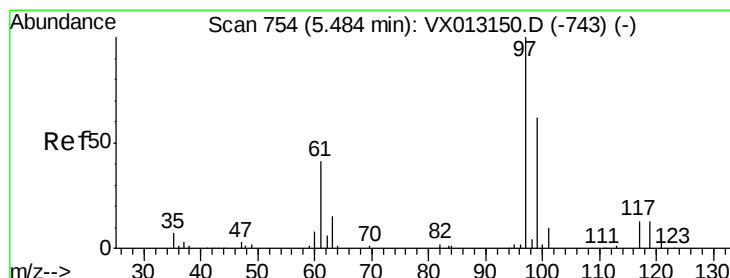
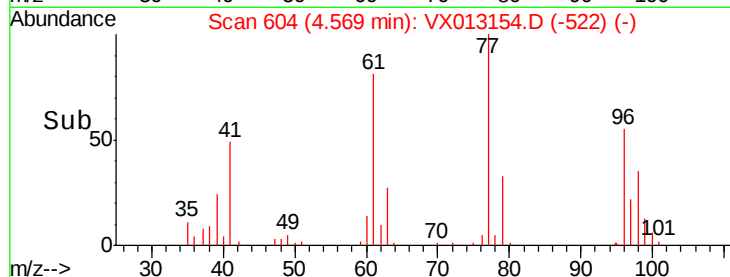
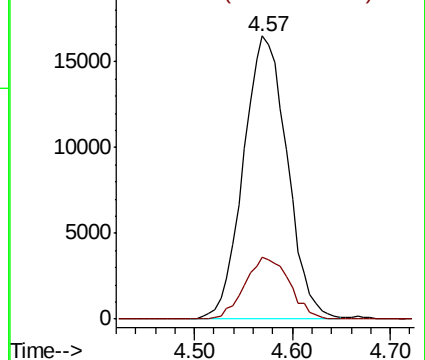
77 100

97 22.3 19.1 28.7



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.036 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

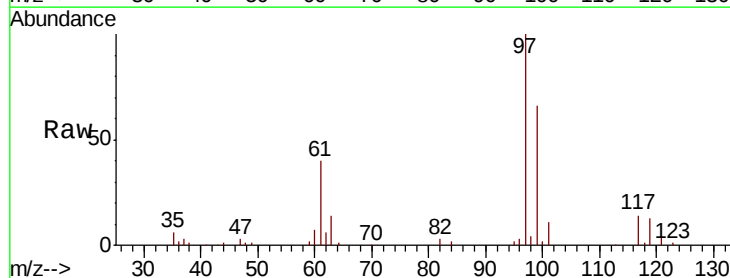
Tgt Ion: 97 Resp: 53638

Ion Ratio Lower Upper

97 100

99 62.9 51.8 77.8

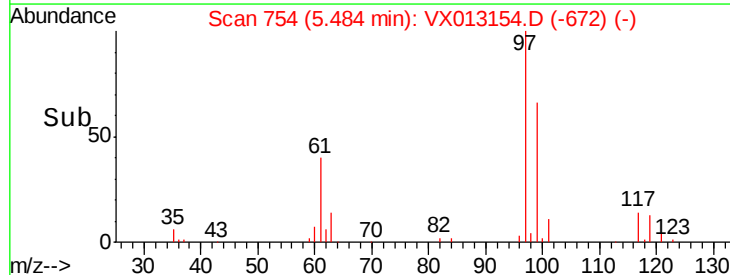
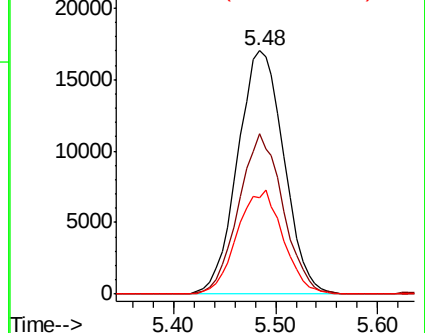
61 42.4 33.5 50.3

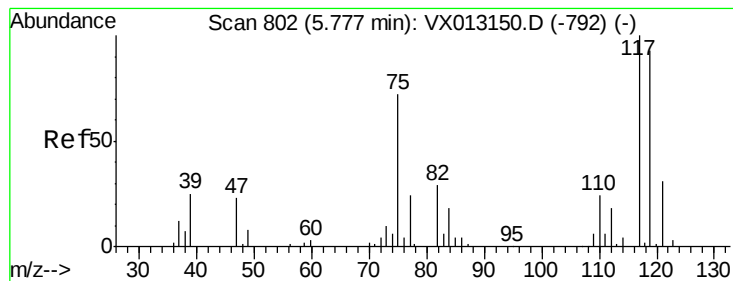


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 18.727 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

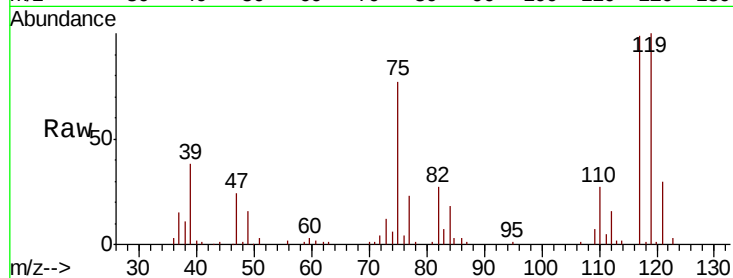
Tot Ion:117 Resp: 45353

Ion Ratio Lower Upper

117 100

119 100.9 74.9 112.3

121 30.3 25.0 37.4

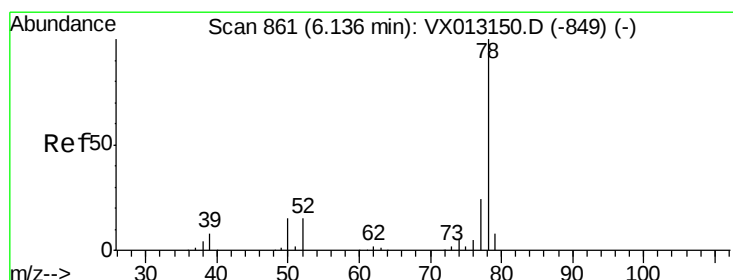
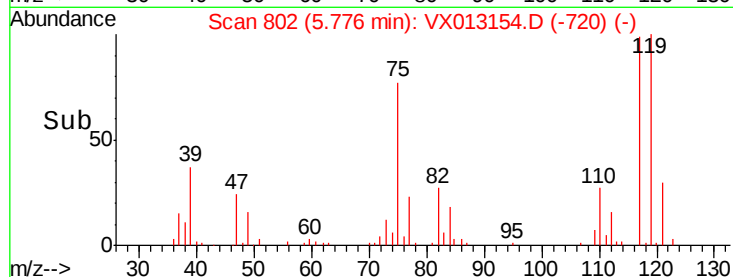
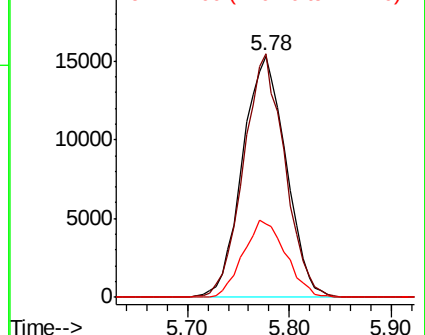


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.731 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.01 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

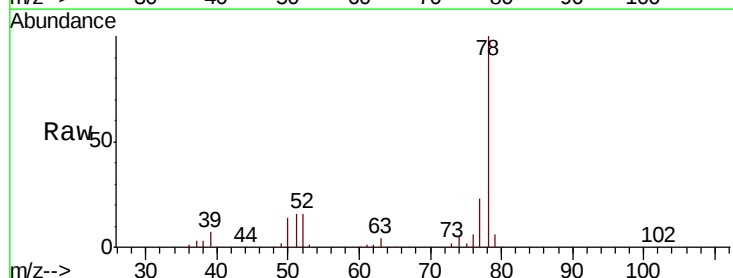
Tgt Ion: 78 Resp: 132266

Ion Ratio Lower Upper

78 100

77 22.7 19.3 28.9

51 15.4 11.4 17.2

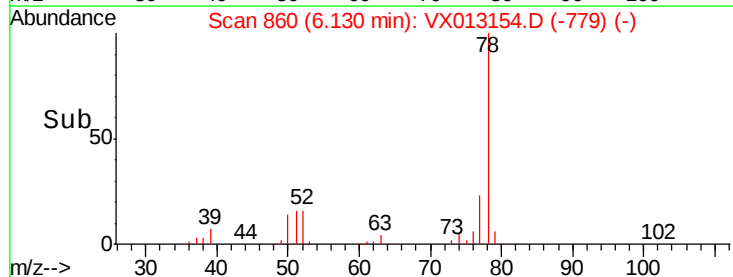
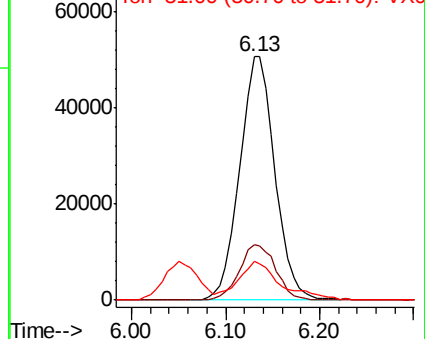


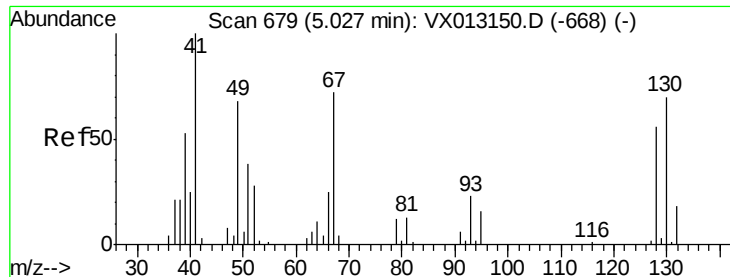
Abundance

Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

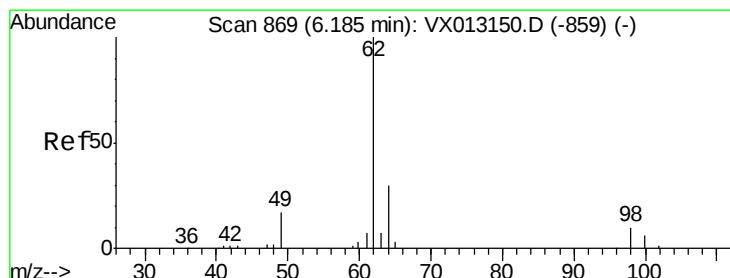
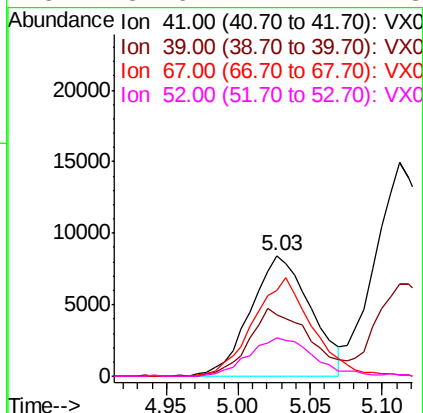
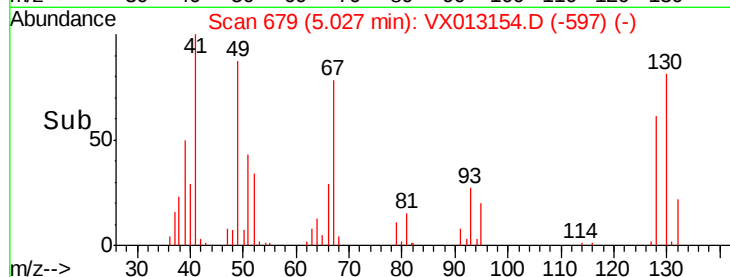
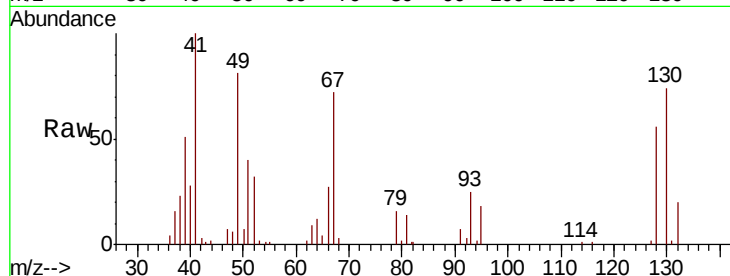




#35
Methacrylonitrile
Concen: 19.540 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

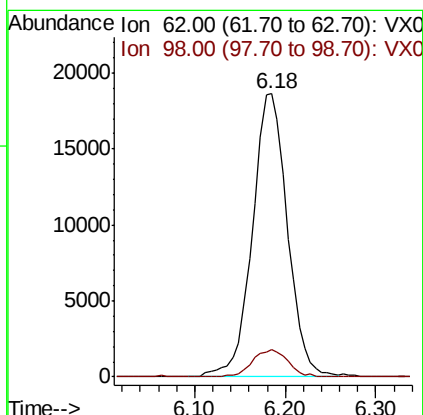
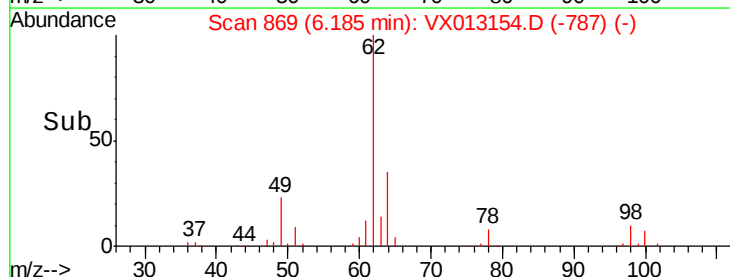
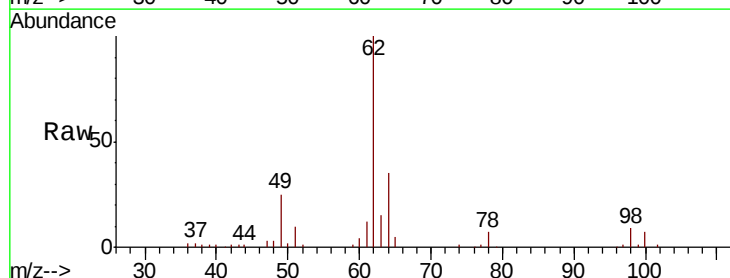
Instrument :
MSVOA_X
ClientSampleId :
ICVVX102119

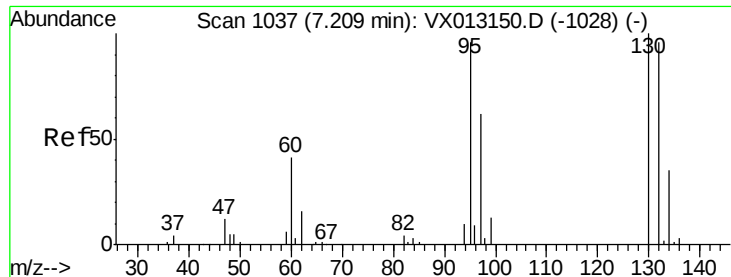
Tot Ion: 41 Resp: 24476
Ion Ratio Lower Upper
41 100
39 50.8 26.3 78.9
67 71.6 35.8 107.4
52 31.6 14.1 42.3



#36
1,2-Dichloroethane
Concen: 19.635 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion: 62 Resp: 49755
Ion Ratio Lower Upper
62 100
98 9.7 8.0 12.0

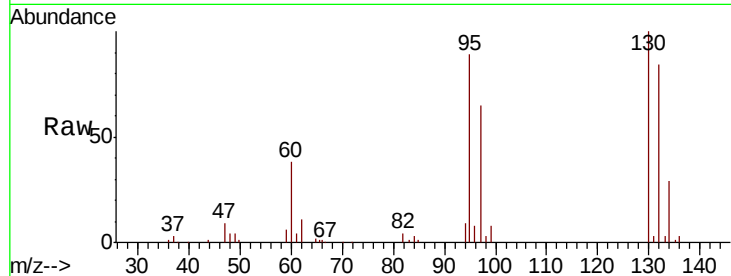




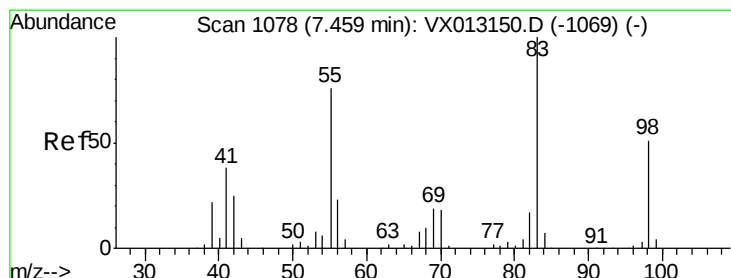
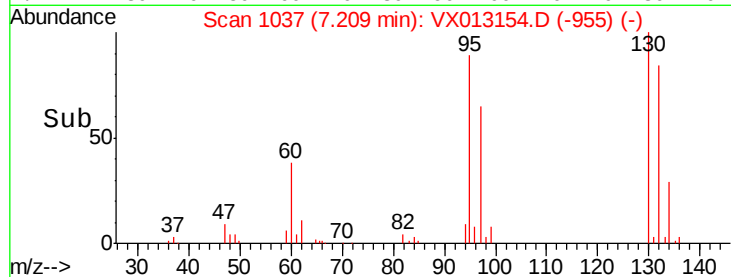
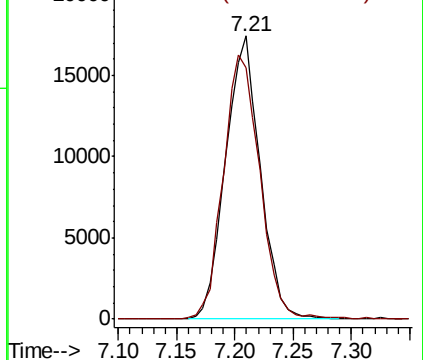
#37
 Trichloroethene
 Concen: 19.367 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102119

Tot Ion:130 Resp: 36011
 Ion Ratio Lower Upper
 130 100
 95 88.1 77.0 115.6

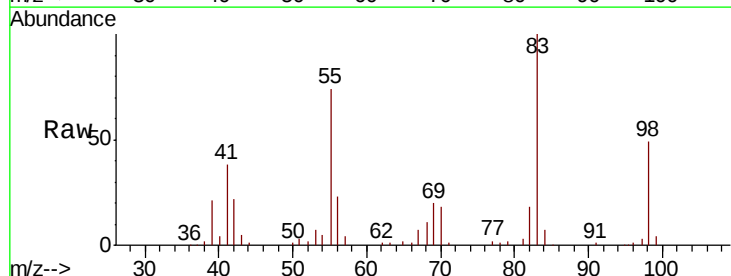


Abundance Ion 129.90 (129.60 to 130.60): V
 20000 Ion 94.90 (94.60 to 95.60): VX0

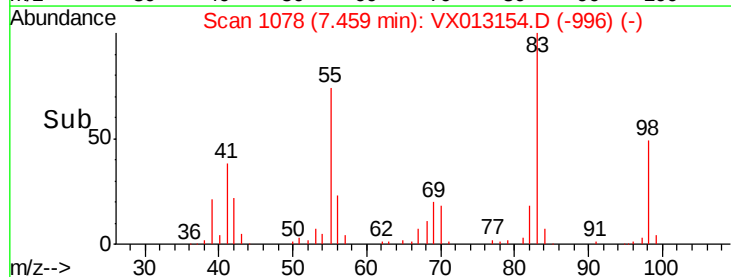
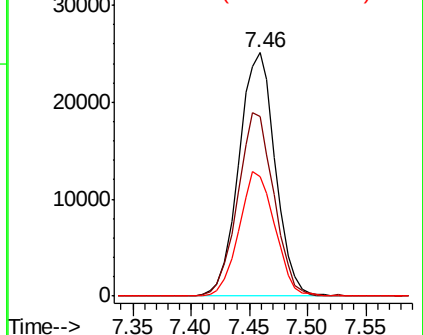


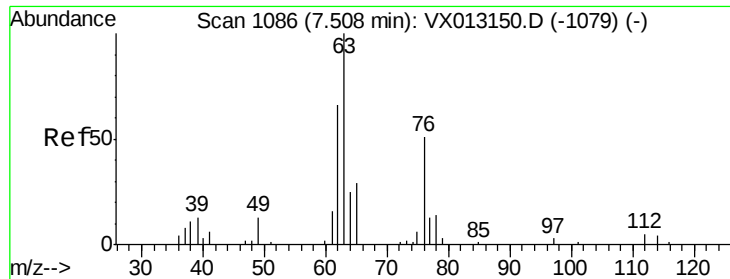
#38
 Methylcyclohexane
 Concen: 19.261 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

Tgt Ion: 83 Resp: 54696
 Ion Ratio Lower Upper
 83 100
 55 74.7 37.5 112.5
 98 50.4 25.4 76.0



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

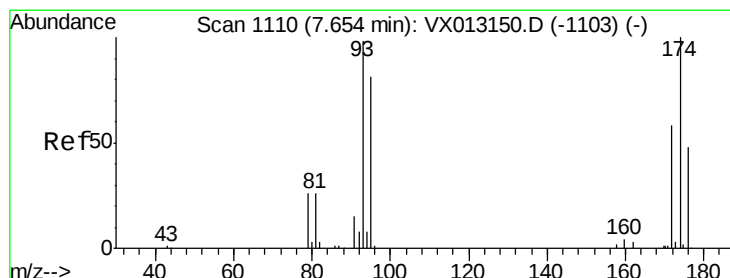
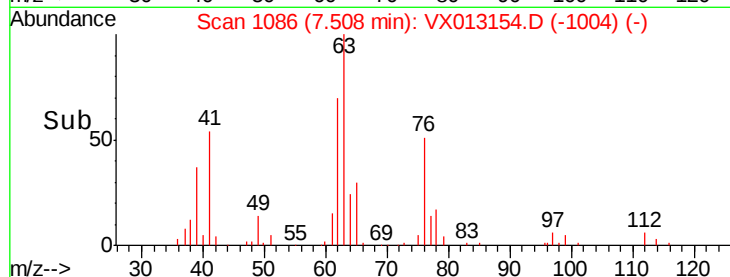
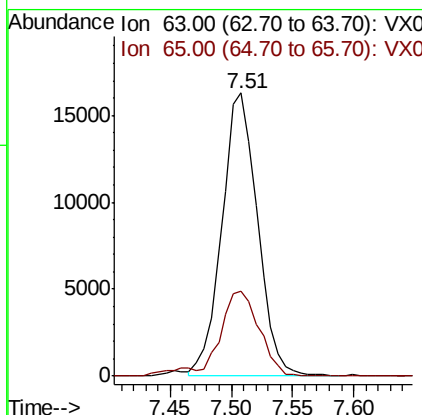
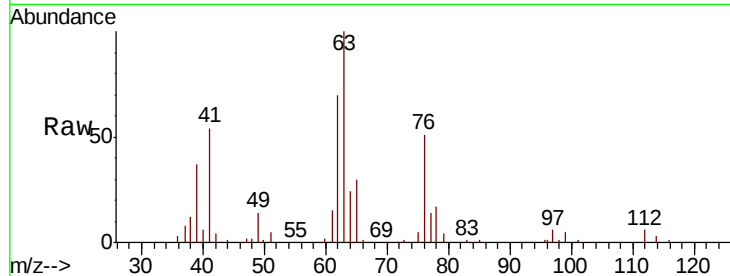




#39
 1,2-Dichloropropane
 Concen: 20.000 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

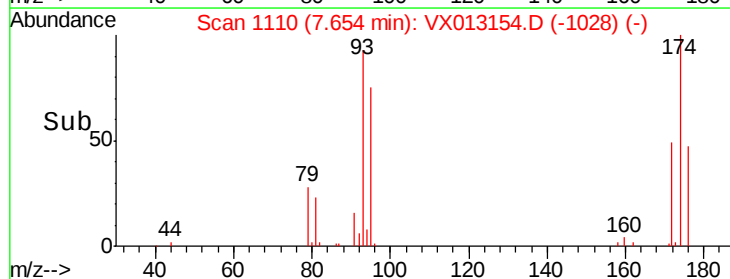
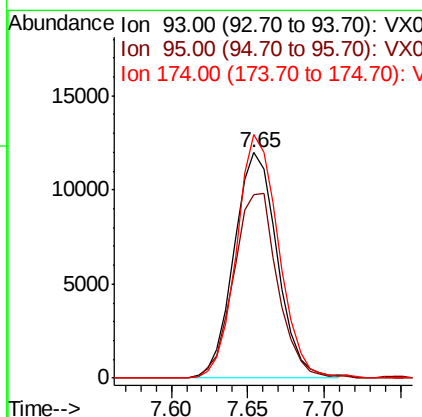
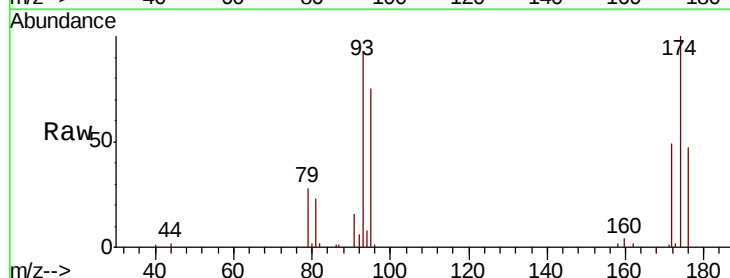
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102119

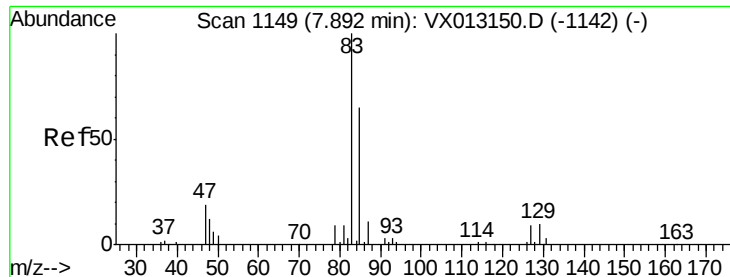
Tot Ion: 63 Resp: 32907
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.8 37.2



#40
 Dibromomethane
 Concen: 19.979 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

Tgt Ion: 93 Resp: 23480
 Ion Ratio Lower Upper
 93 100
 95 83.6 0.0 166.0
 174 104.7 0.0 208.8





#41

Bromodichloromethane

Concen: 19.325 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

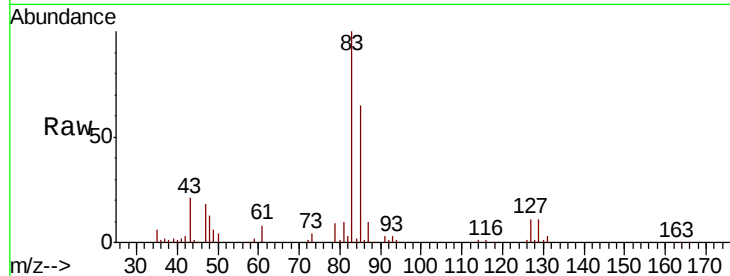
Tot Ion: 83 Resp: 45795

Ion Ratio Lower Upper

83 100

85 64.8 52.1 78.1

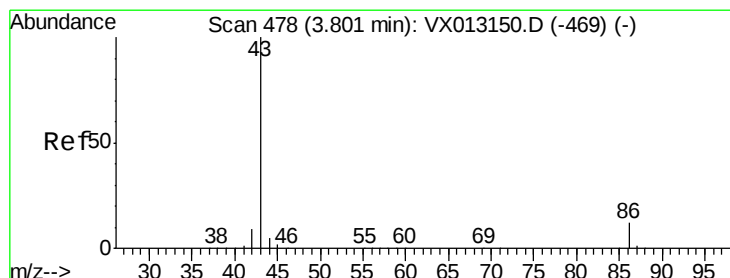
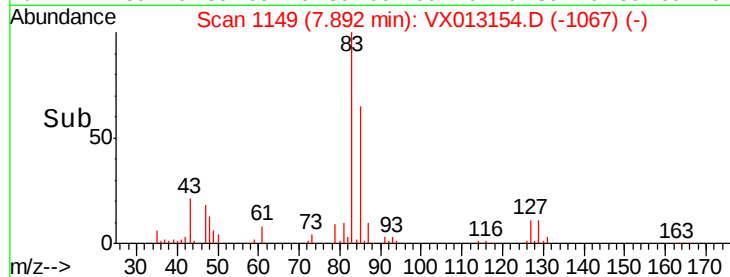
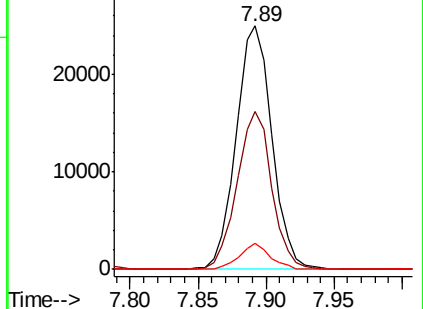
127 10.7 7.5 11.3



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: 100.456 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013154.D

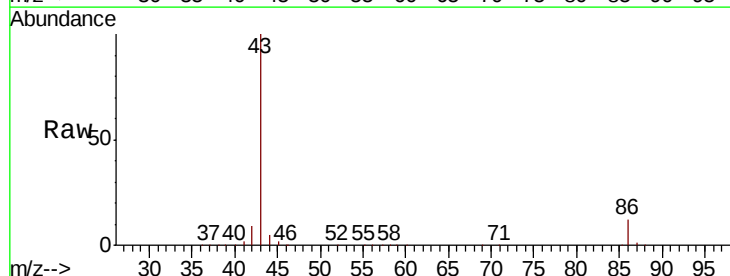
Acq: 21 Oct 2019 15:50

Tgt Ion: 43 Resp: 425486

Ion Ratio Lower Upper

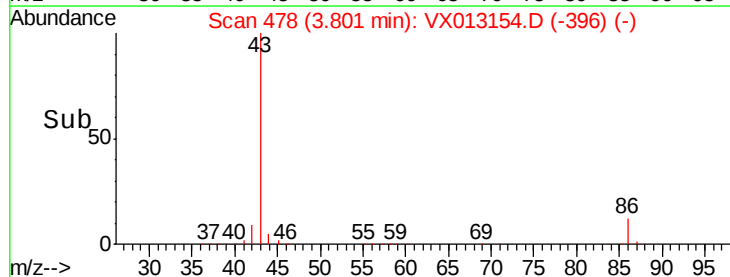
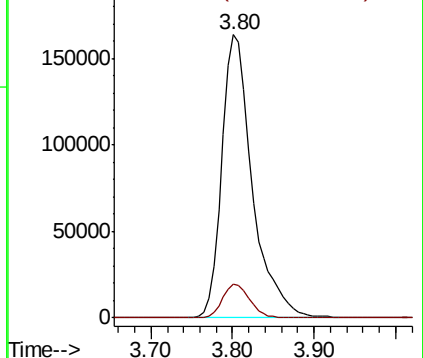
43 100

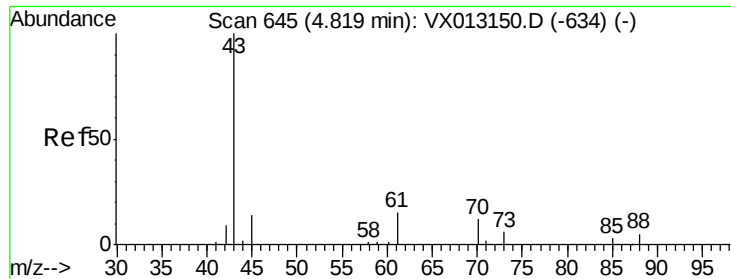
86 10.7 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

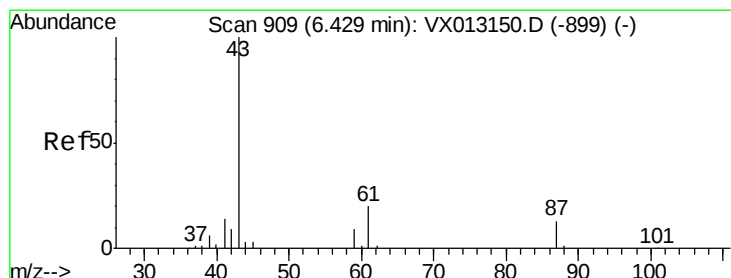
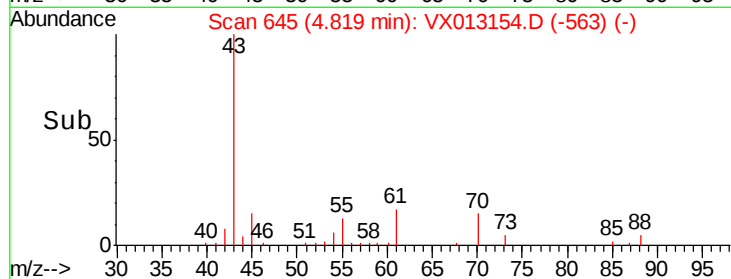
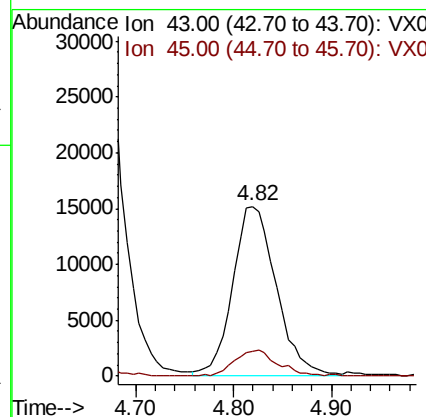
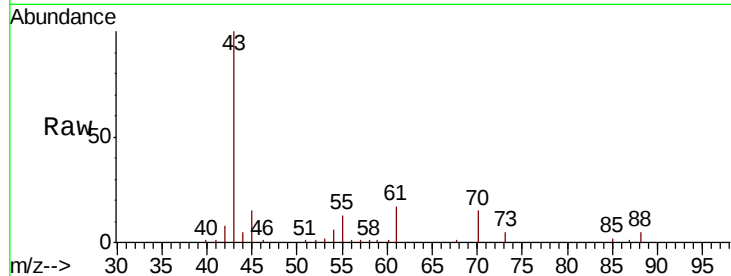




#43
Ethyl Acetate
Concen: 20.994 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

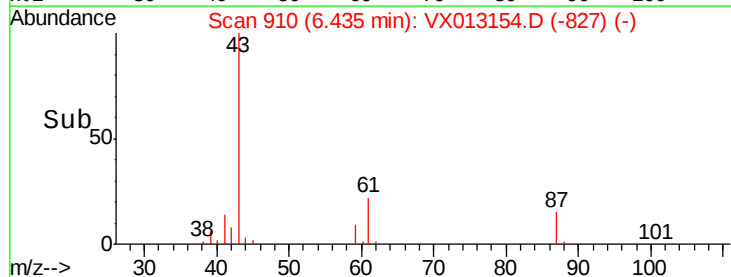
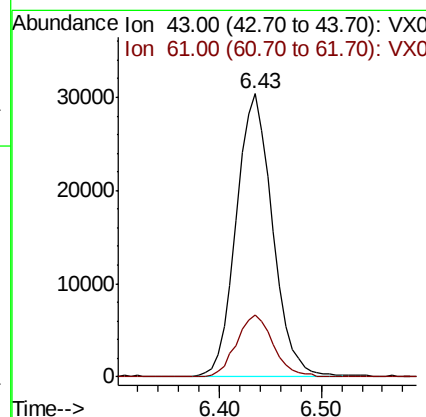
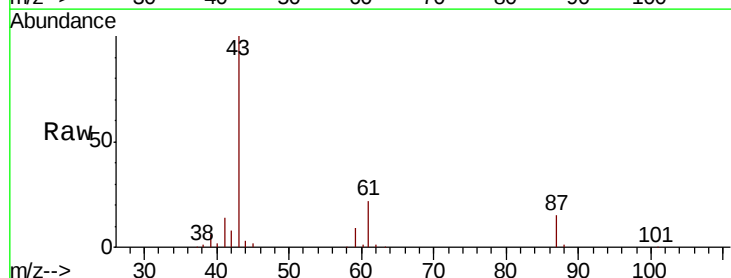
Instrument :
MSVOA_X
ClientSampleId :
ICVVX102119

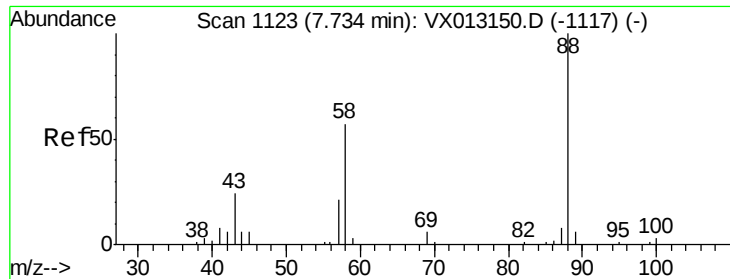
Tot Ion: 43 Resp: 46769
Ion Ratio Lower Upper
43 100
45 15.3 12.6 18.8



#44
Isopropyl Acetate
Concen: 20.056 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.01 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion: 43 Resp: 75092
Ion Ratio Lower Upper
43 100
61 22.0 16.8 25.2

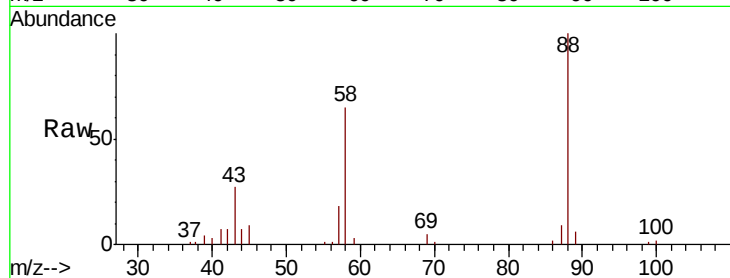




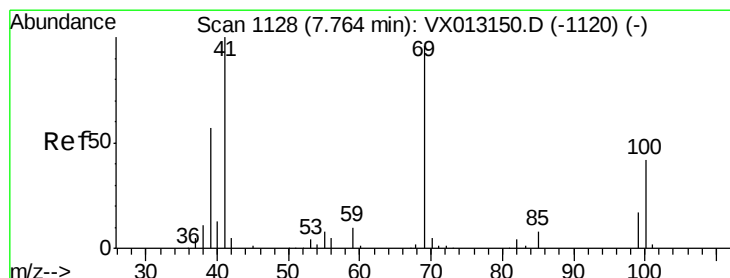
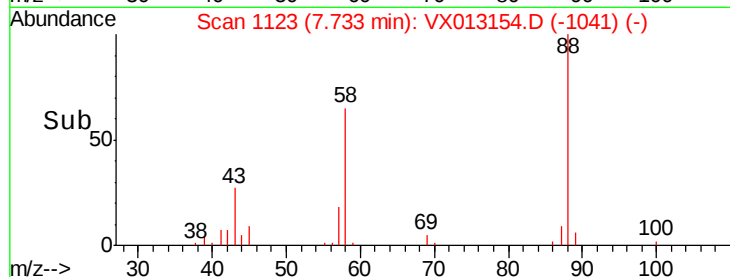
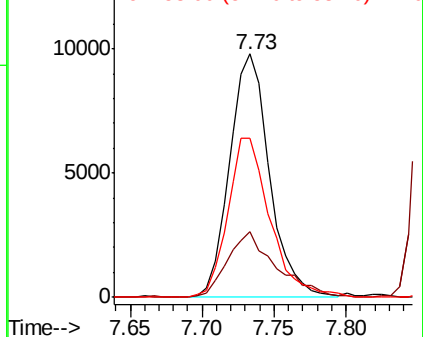
#45
1,4-Dioxane
Concen: 399.618 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102119

Tot Ion: 88 Resp: 18922
Ion Ratio Lower Upper
88 100
43 32.6 24.0 36.0
58 69.4 52.8 79.2

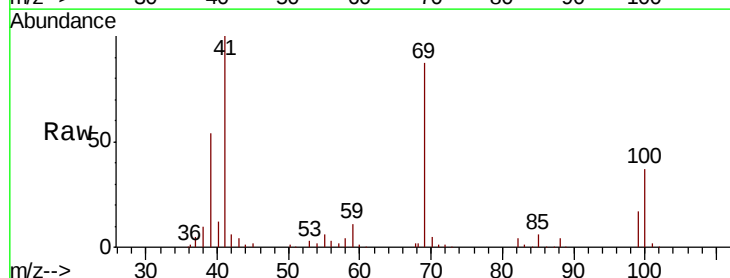


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

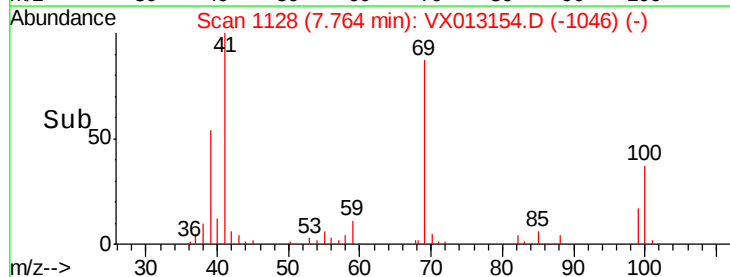
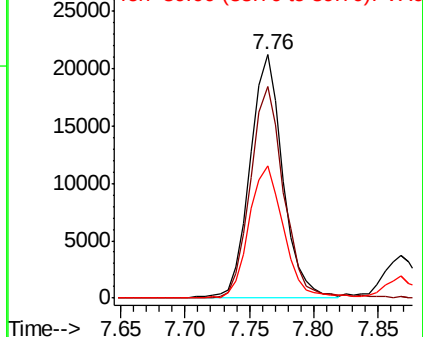


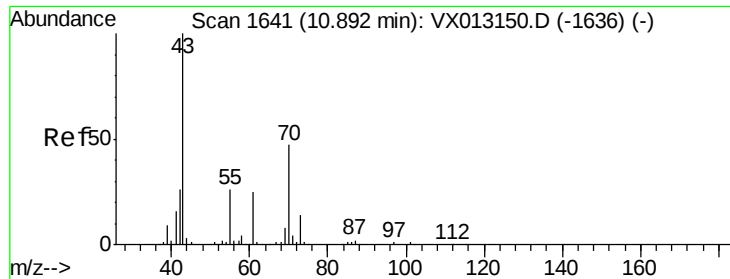
#46
Methyl methacrylate
Concen: 20.211 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion: 41 Resp: 37236
Ion Ratio Lower Upper
41 100
69 86.7 47.8 143.3
39 53.9 28.5 85.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 19.586 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

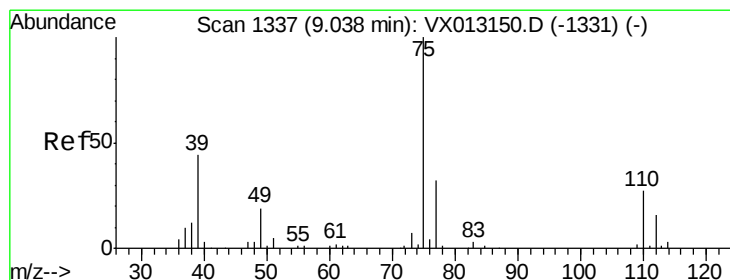
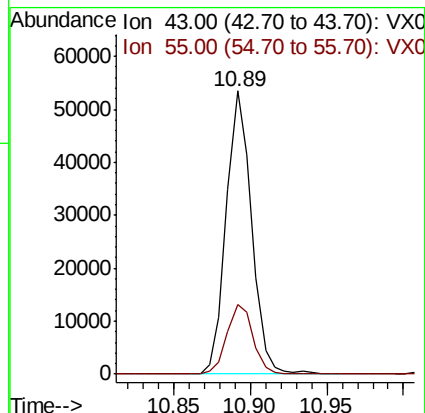
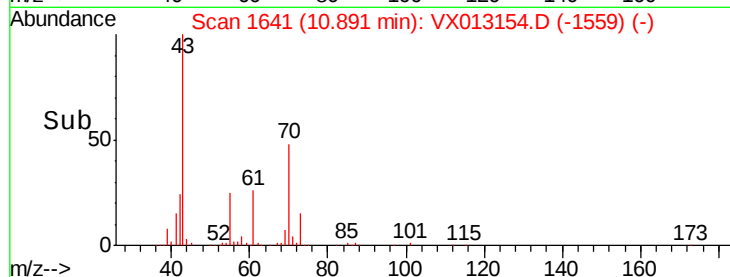
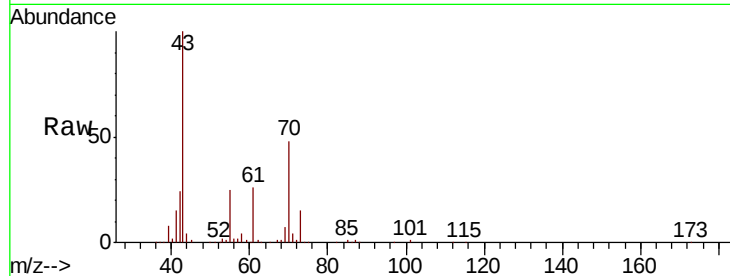
ICVVX102119

Tot Ion: 43 Resp: 61814

Ion Ratio Lower Upper

43 100

55 25.2 20.9 31.3



#48

t-1,3-Dichloropropene

Concen: 19.284 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013154.D

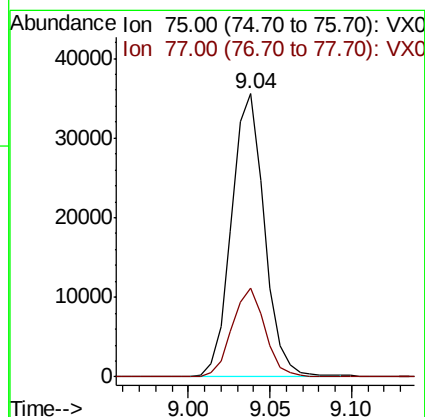
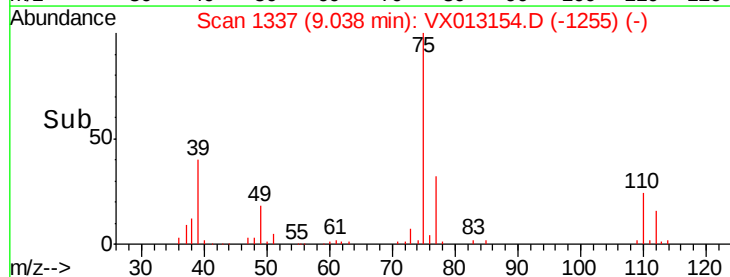
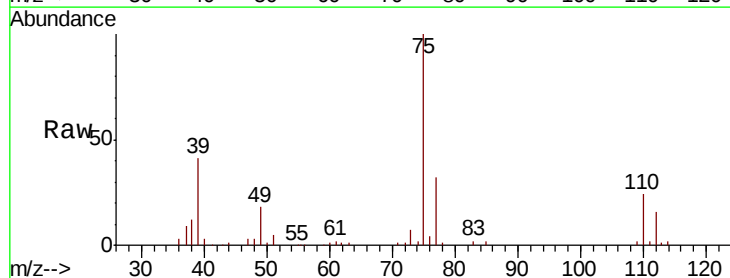
Acq: 21 Oct 2019 15:50

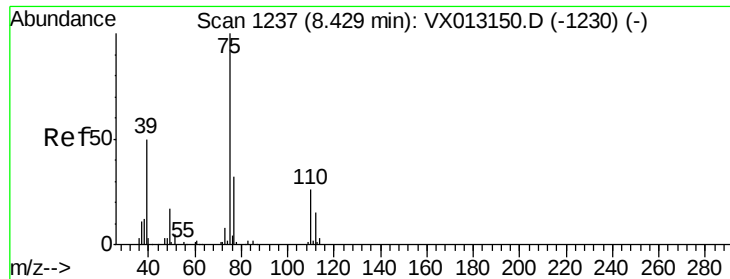
Tgt Ion: 75 Resp: 50127

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



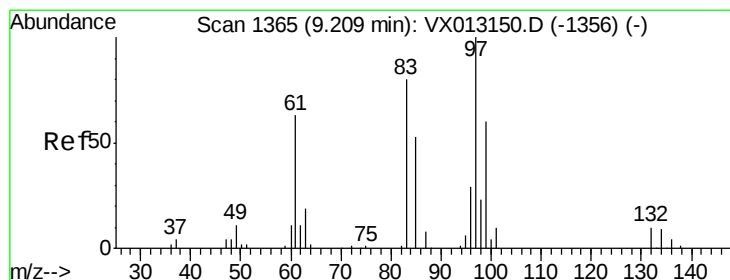
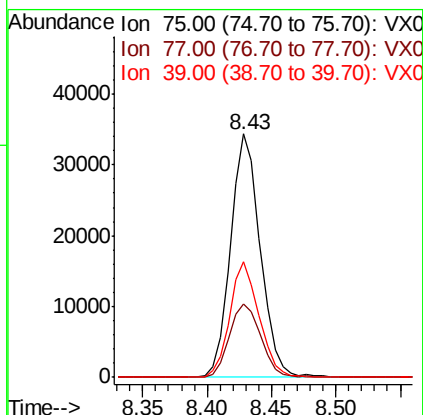
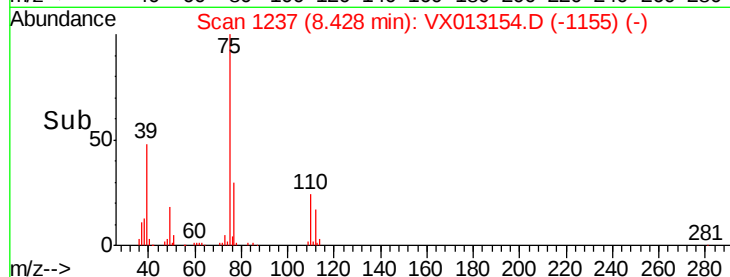
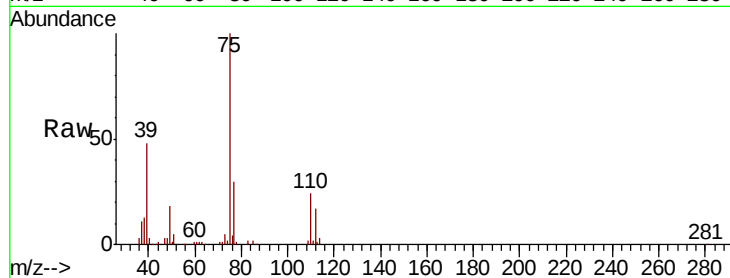


#49

cis-1,3-Dichloropropene
 Concen: 19.543 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102119

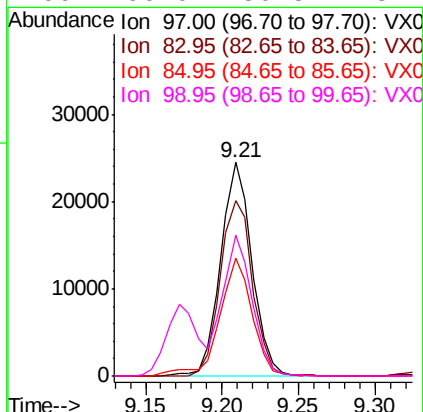
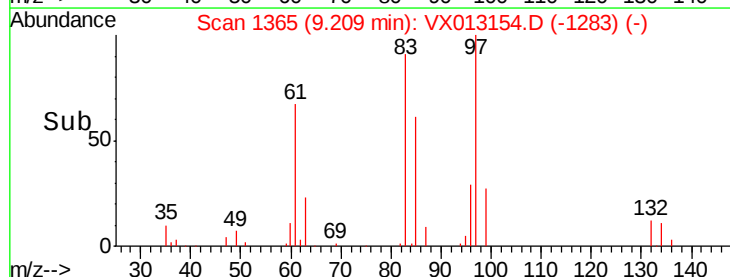
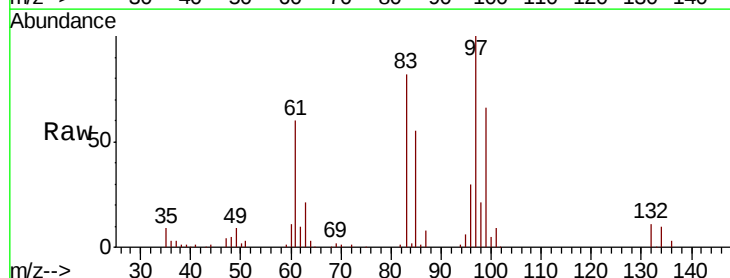
Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.8	38.8
39	47.7	39.7	59.5

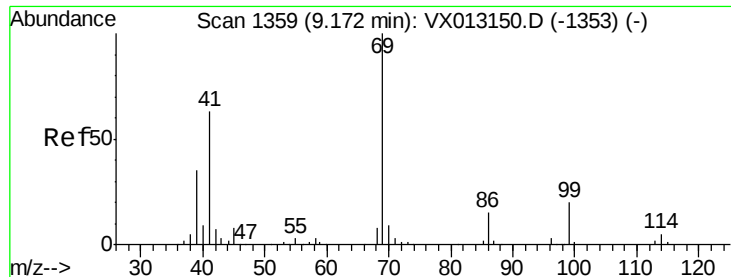


#50

1,1,2-Trichloroethane
 Concen: 19.904 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.2	64.2	96.4
85	54.9	42.7	64.1
99	66.0	50.5	75.7





#51

Ethyl methacrylate

Concen: 19.594 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX102119

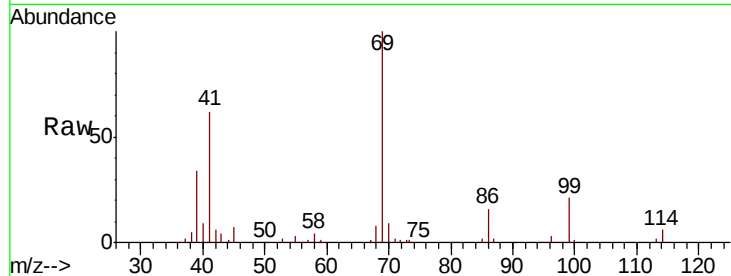
Tot Ion: 69 Resp: 53323

Ion Ratio Lower Upper

69 100

41 62.4 31.6 95.0

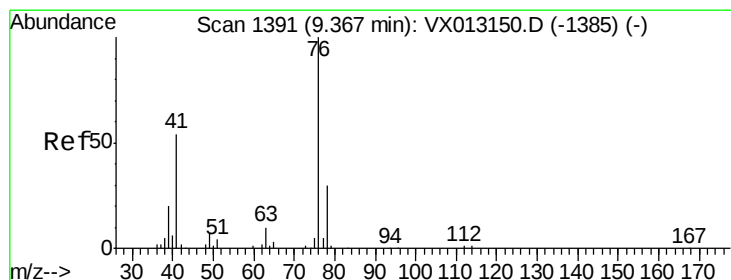
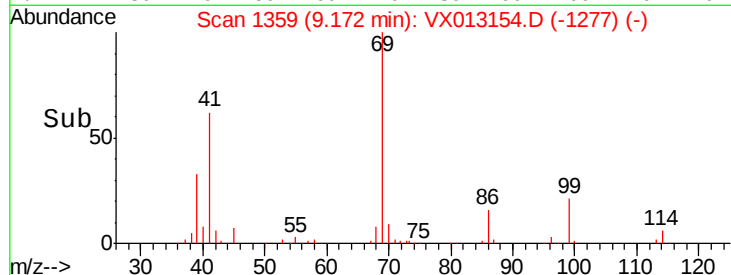
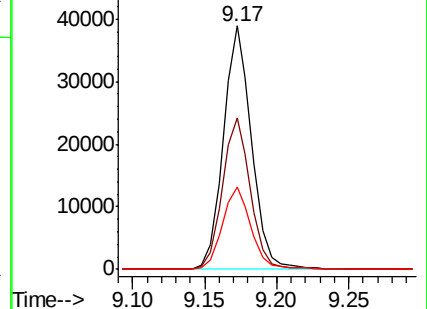
39 33.5 17.7 53.1



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 20.035 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013154.D

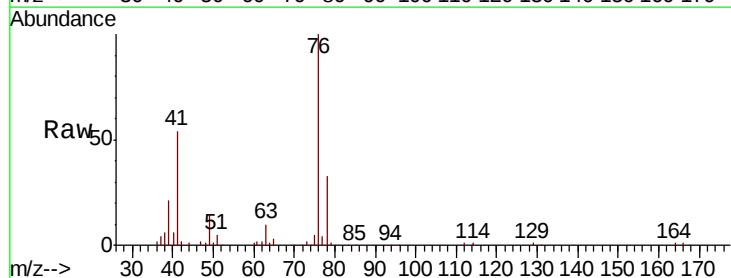
Acq: 21 Oct 2019 15:50

Tgt Ion: 76 Resp: 58560

Ion Ratio Lower Upper

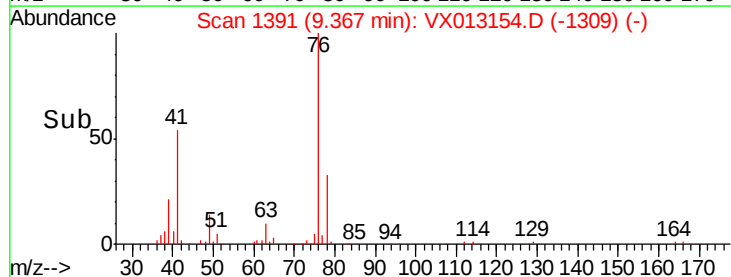
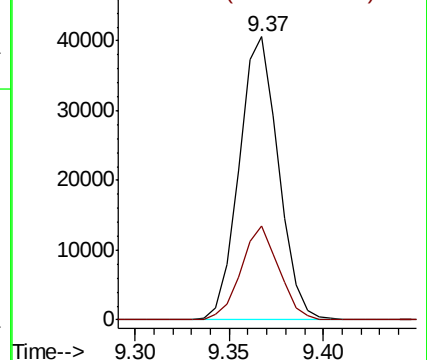
76 100

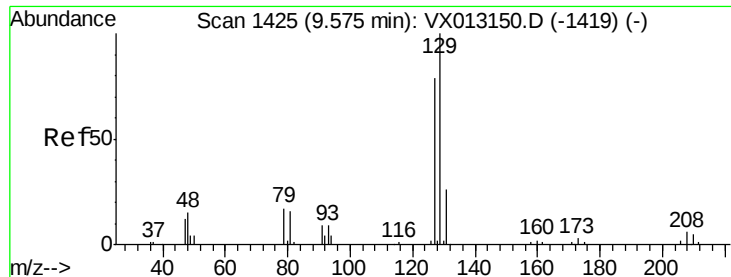
78 31.9 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

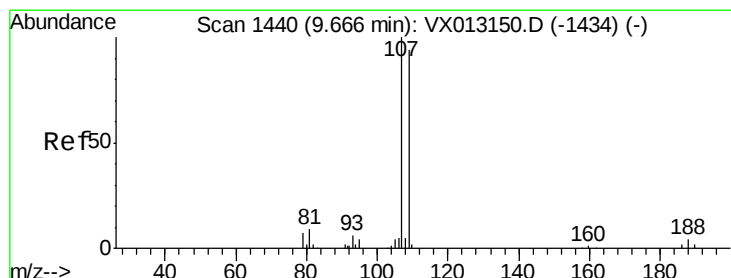
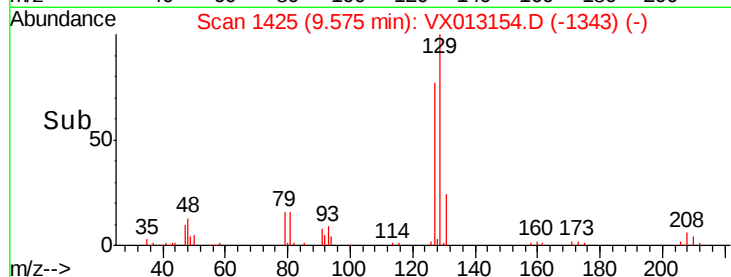
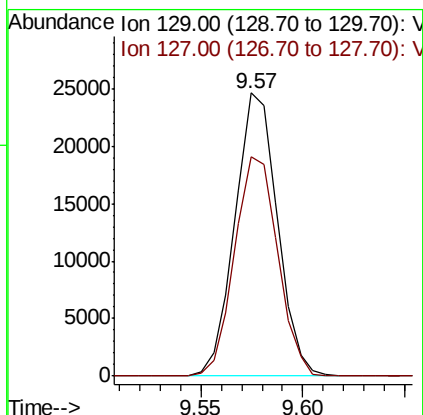
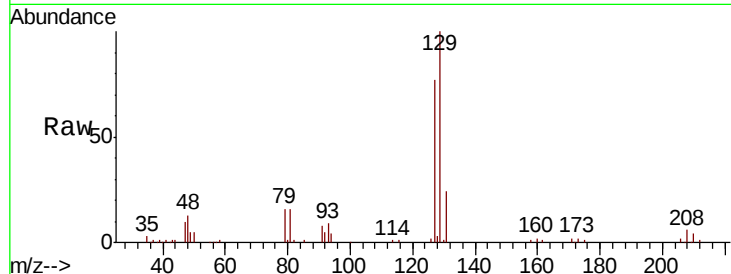




#53
Dibromochloromethane
Concen: 18.973 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

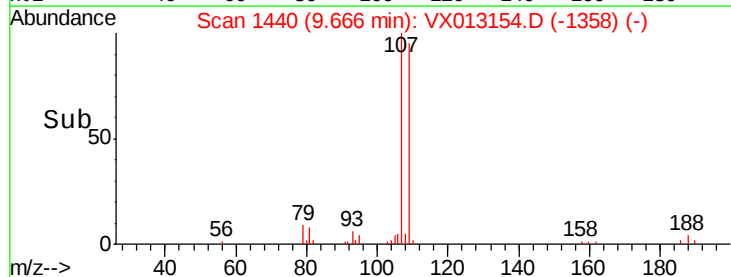
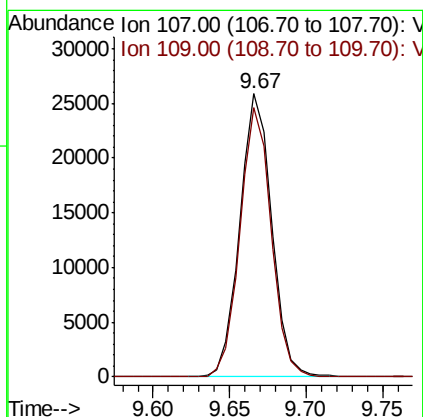
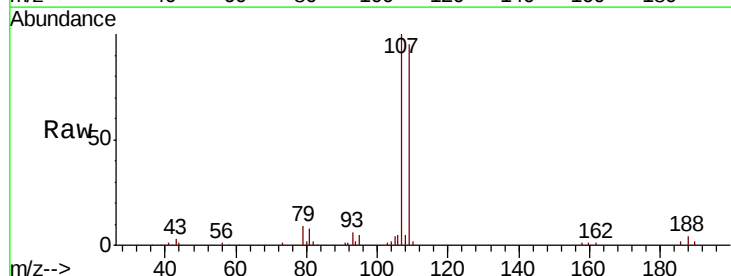
Instrument :
MSVOA_X
ClientSampleId :
ICVVX102119

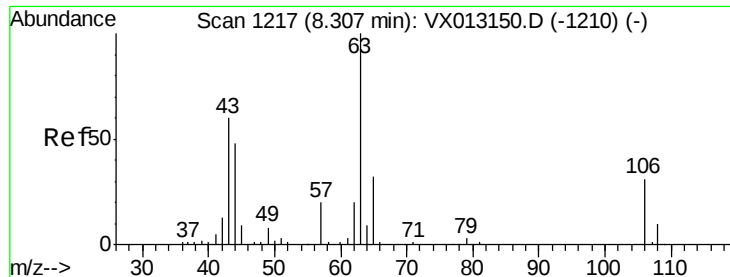
Tot Ion:129 Resp: 35521
Ion Ratio Lower Upper
129 100
127 79.1 39.4 118.2



#54
1,2-Dibromoethane
Concen: 20.141 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion:107 Resp: 37377
Ion Ratio Lower Upper
107 100
109 93.0 75.4 113.0

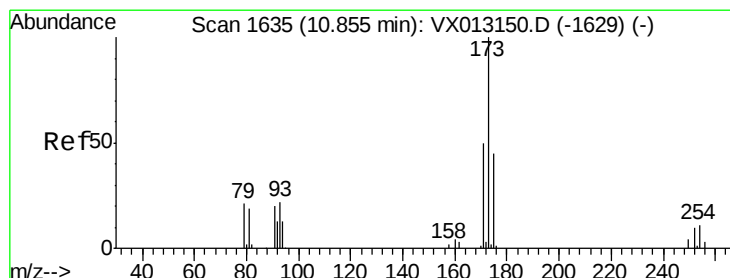
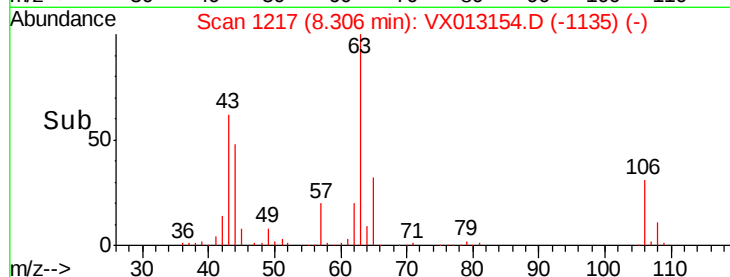
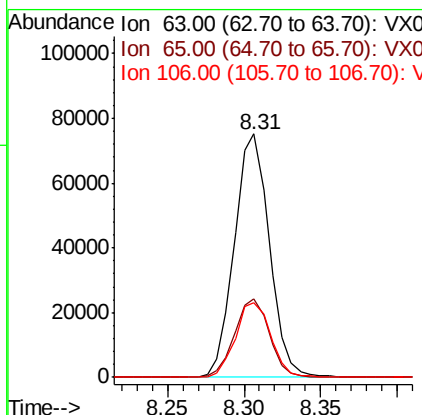
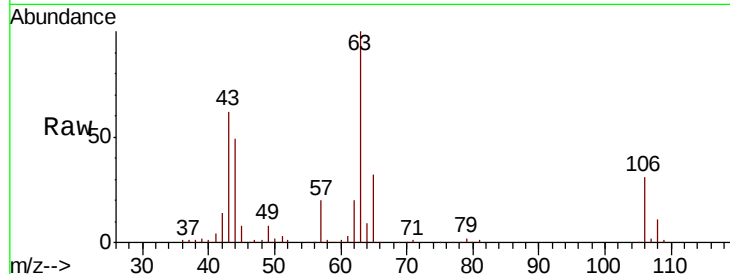




#55
2-Chloroethyl vinyl ether
Concen: 108.203 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

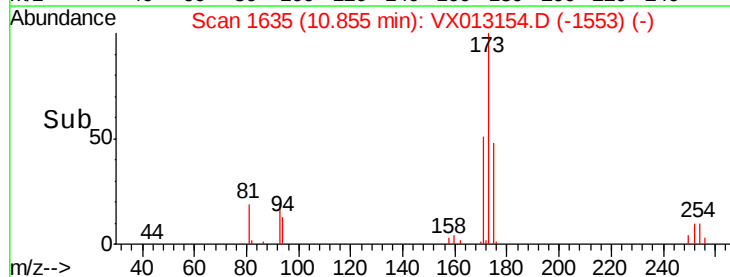
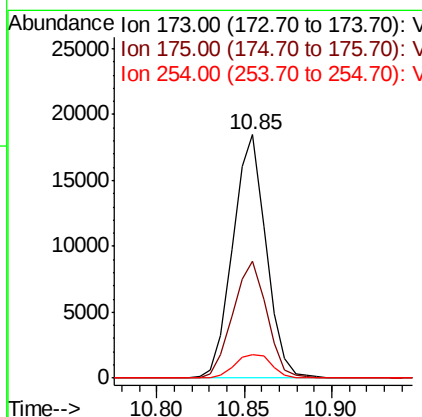
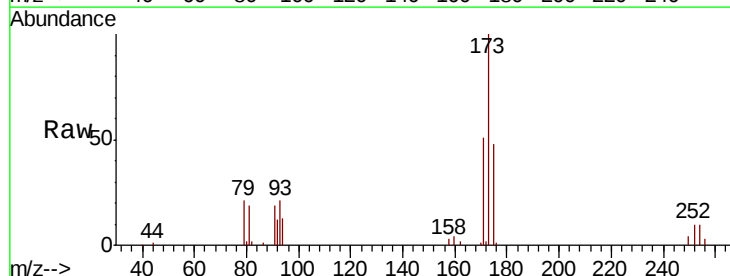
Instrument :
MSVOA_X
ClientSampleId :
ICVVX102119

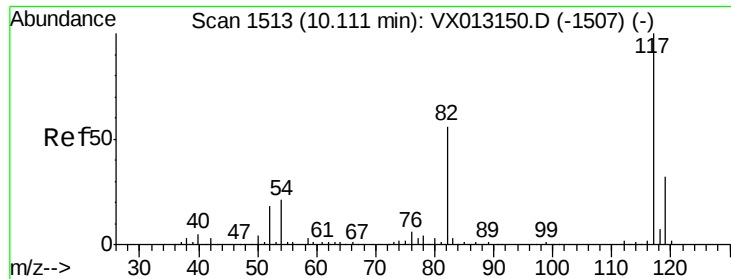
Tot Ion: 63 Resp: 119616
Ion Ratio Lower Upper
63 100
65 32.0 25.5 38.3
106 31.2 24.8 37.2



#56
Bromoform
Concen: 18.425 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion: 173 Resp: 24472
Ion Ratio Lower Upper
173 100
175 49.1 39.0 58.4
254 10.6 8.1 12.1

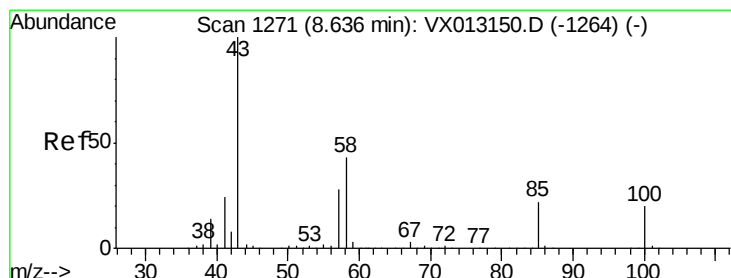
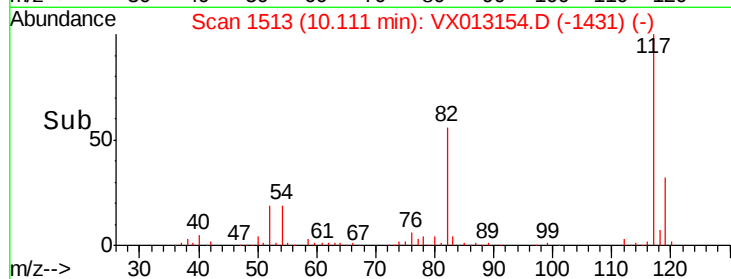
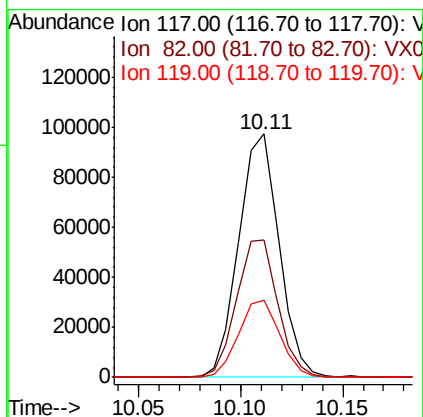
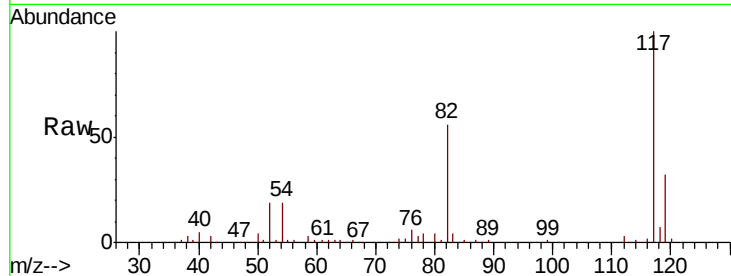




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

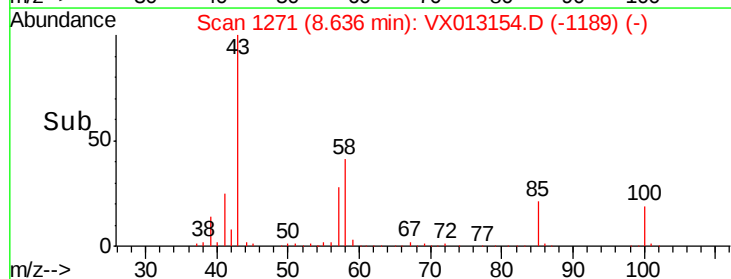
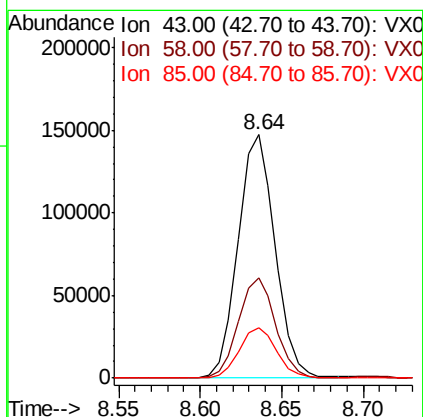
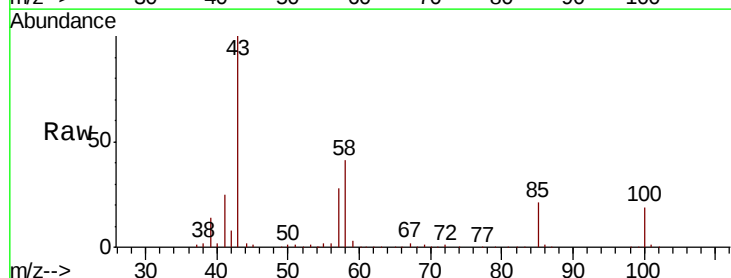
Instrument :
MSVOA_X
ClientSampleId :
ICVVX102119

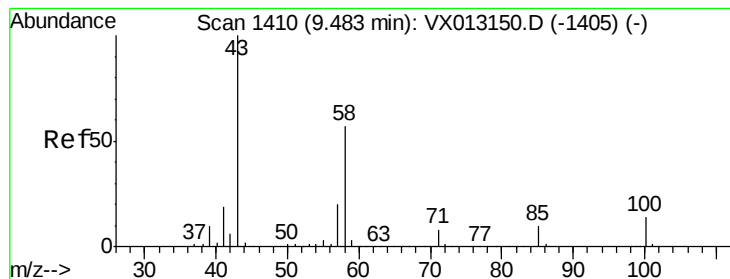
Tot Ion:117 Resp: 133933
Ion Ratio Lower Upper
117 100
82 57.9 46.0 69.0
119 32.5 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 103.103 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion: 43 Resp: 232685
Ion Ratio Lower Upper
43 100
58 41.3 33.8 50.8
85 20.8 16.8 25.2





#59

2-Hexanone

Concen: 101.607 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

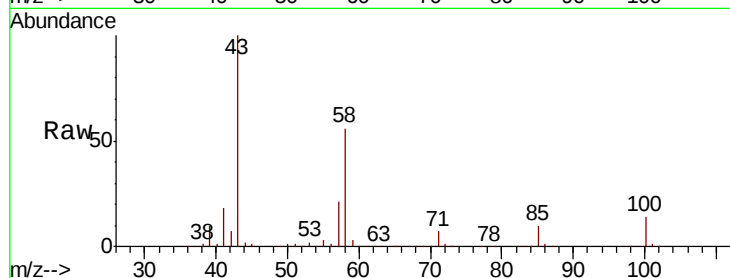
Tot Ion: 43 Resp: 179712

Ion Ratio Lower Upper

43 100

58 57.5 46.6 69.8

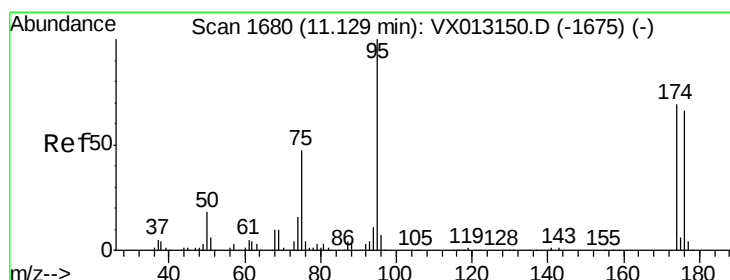
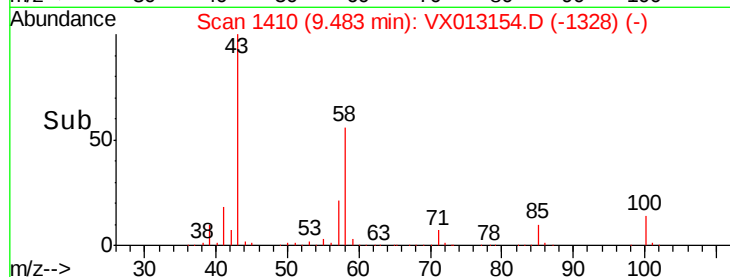
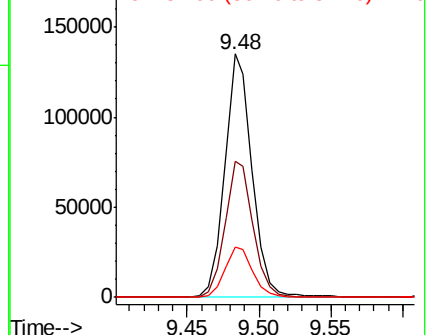
57 21.4 16.9 25.3



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: 29.598 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

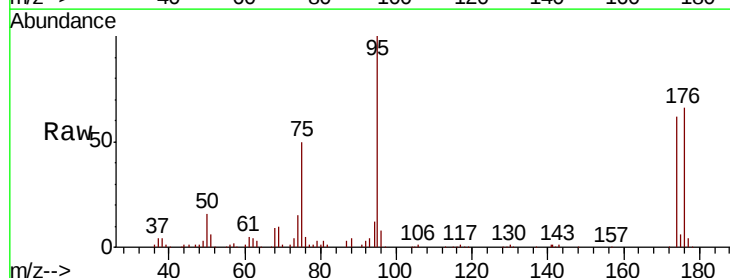
Tgt Ion: 95 Resp: 69028

Ion Ratio Lower Upper

95 100

174 73.4 60.0 90.0

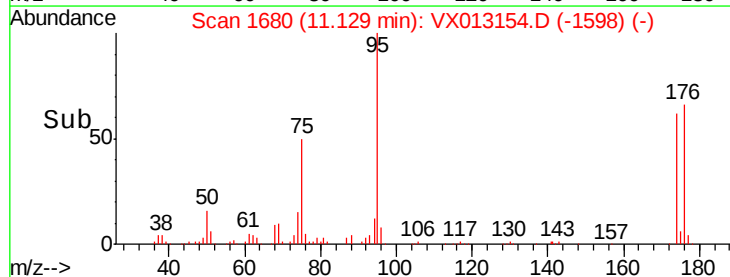
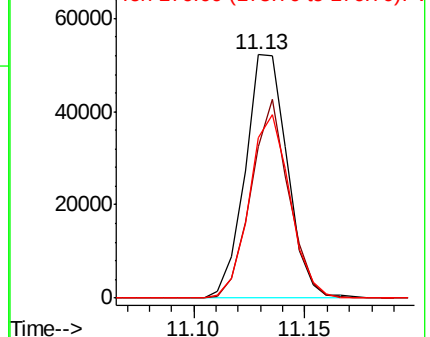
176 72.8 58.5 87.7

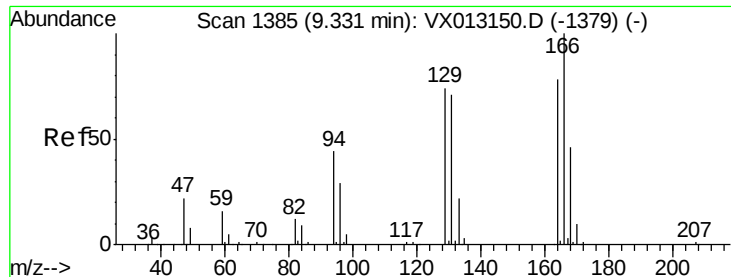


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 20.001 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

Tot Ion:164 Resp: 35513

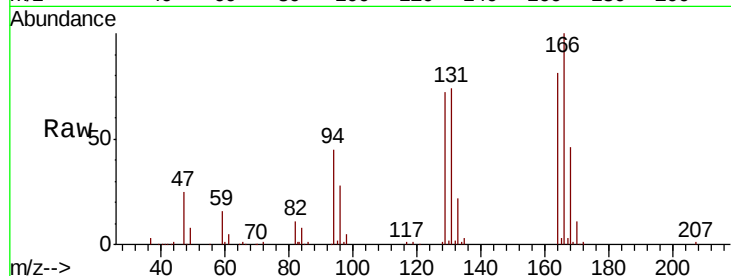
Ion Ratio Lower Upper

164 100

166 123.9 102.6 153.8

129 89.6 75.7 113.5

131 91.2 72.4 108.6



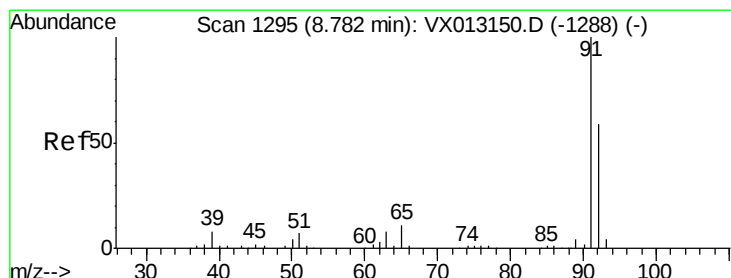
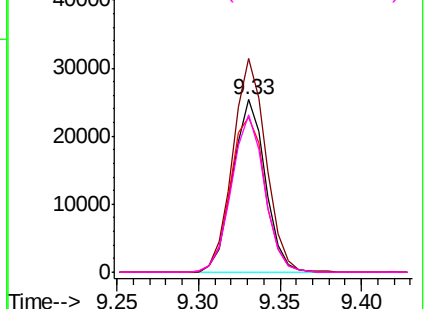
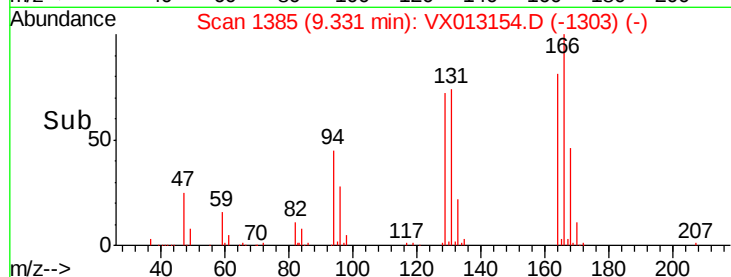
Abundance

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: 20.071 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013154.D

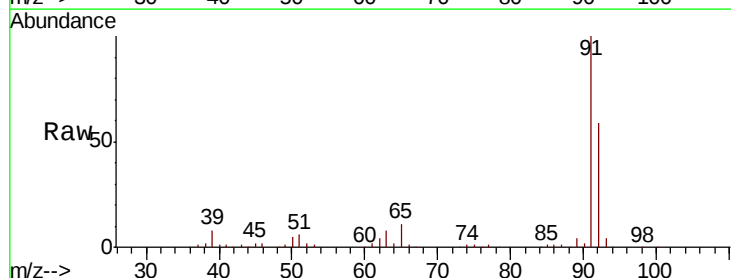
Acq: 21 Oct 2019 15:50

Tgt Ion: 91 Resp: 145117

Ion Ratio Lower Upper

91 100

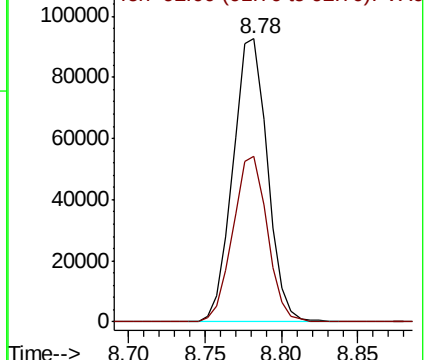
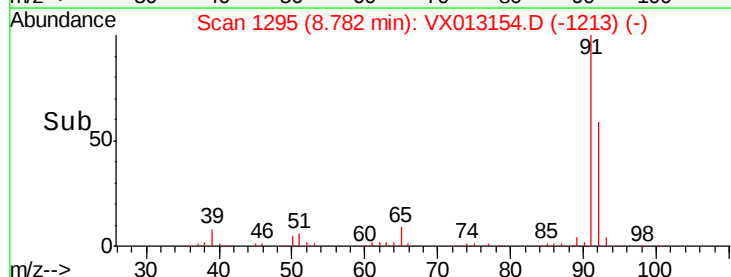
92 58.6 47.7 71.5

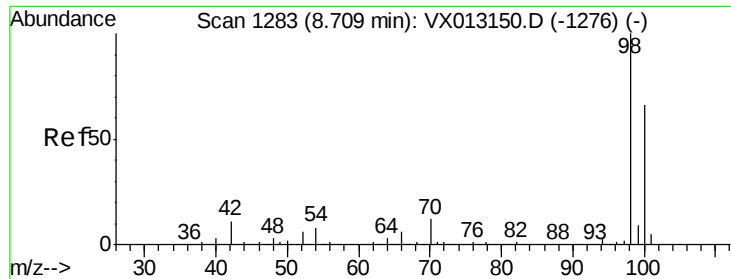


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.455 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

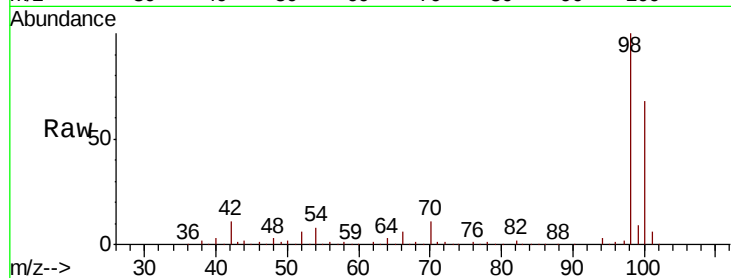
ICVVX102119

Tot Ion: 98 Resp: 181420

Ion Ratio Lower Upper

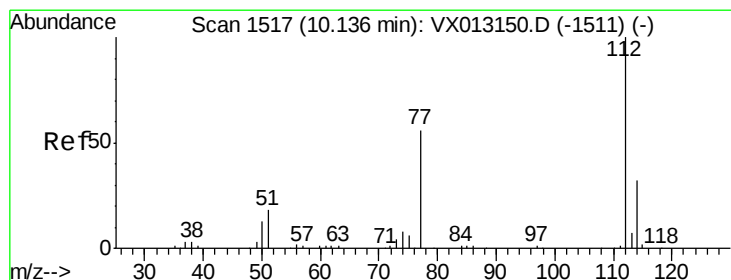
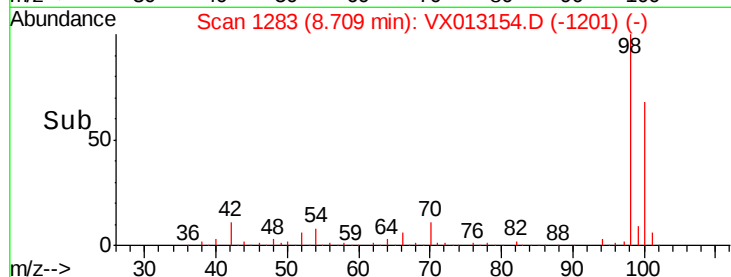
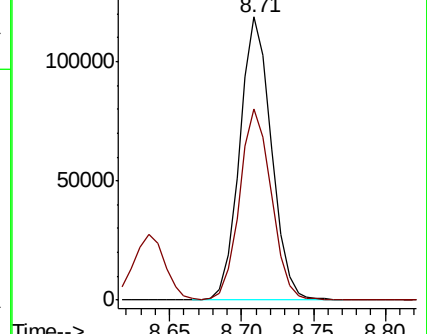
98 100

100 66.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 19.816 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013154.D

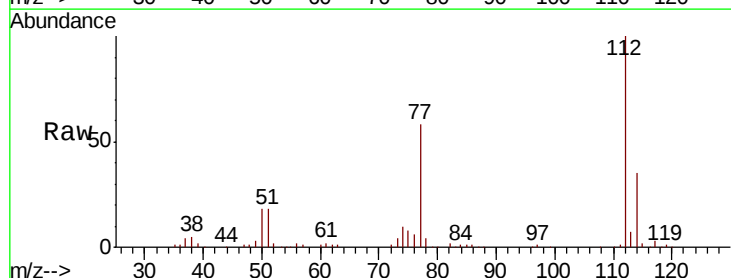
Acq: 21 Oct 2019 15:50

Tgt Ion: 112 Resp: 91863

Ion Ratio Lower Upper

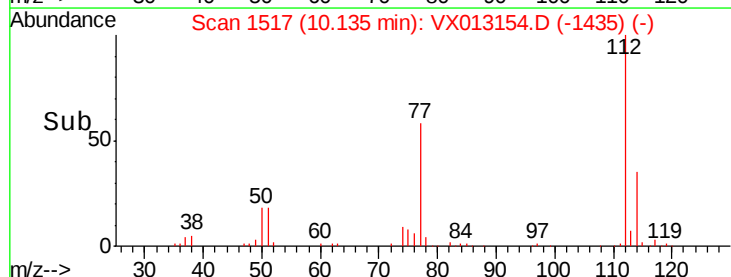
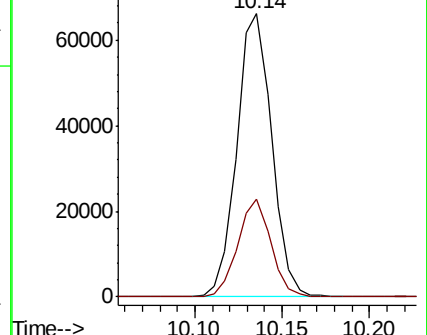
112 100

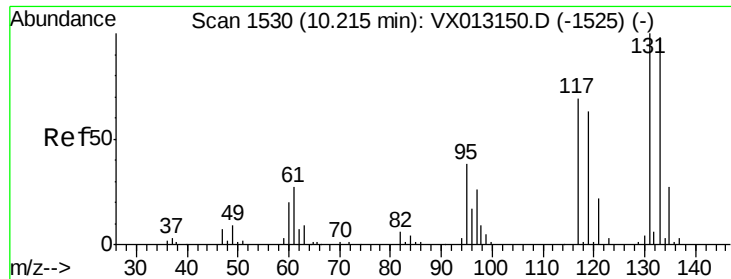
114 34.7 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

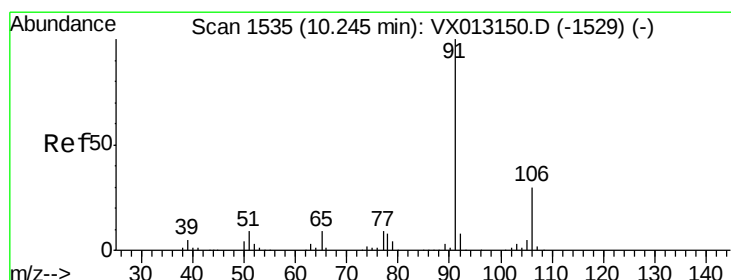
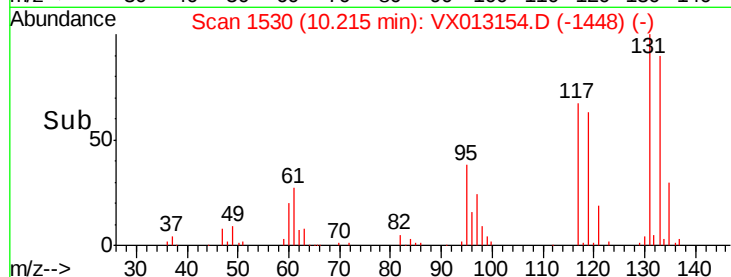
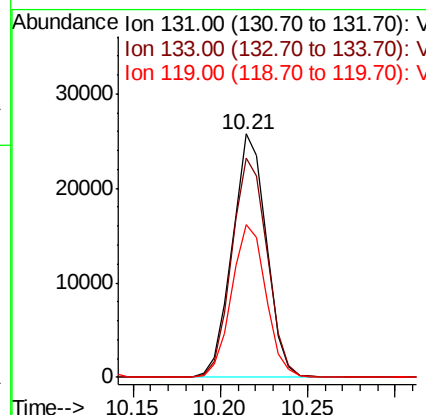
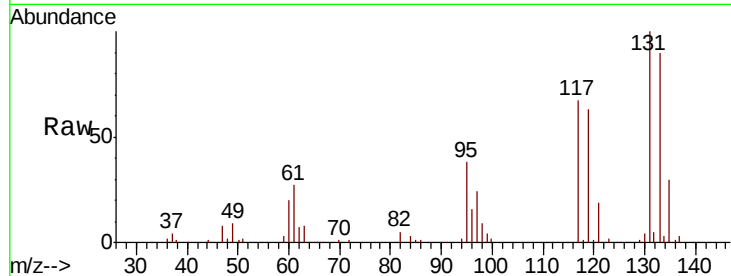




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.151 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

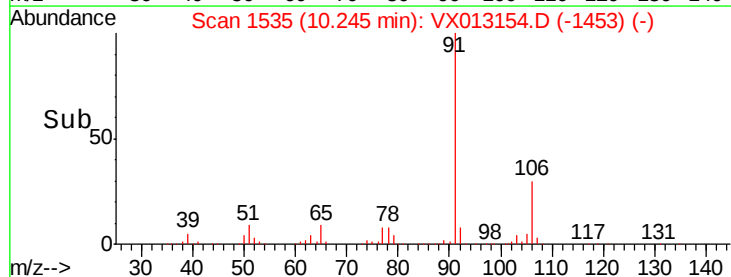
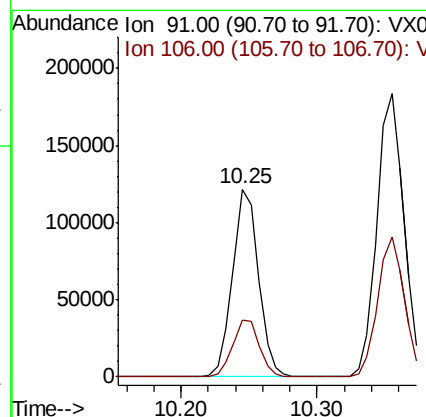
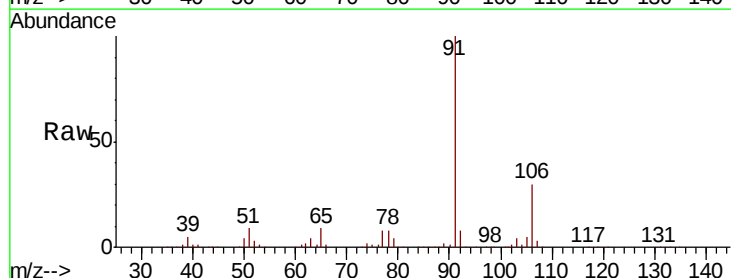
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102119

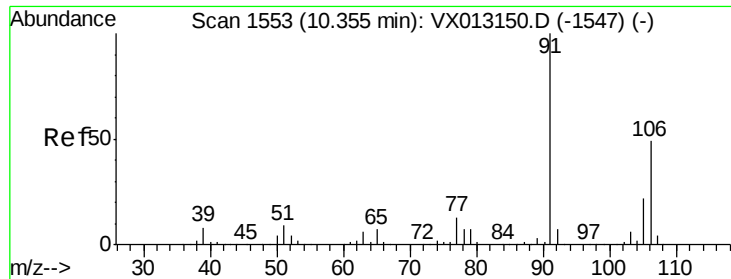
Tot Ion:131 Resp: 34993
 Ion Ratio Lower Upper
 131 100
 133 93.0 0.0 191.0
 119 62.9 0.0 125.6



#66
 Ethyl Benzene
 Concen: 19.505 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

Tgt Ion: 91 Resp: 162307
 Ion Ratio Lower Upper
 91 100
 106 30.0 23.8 35.6

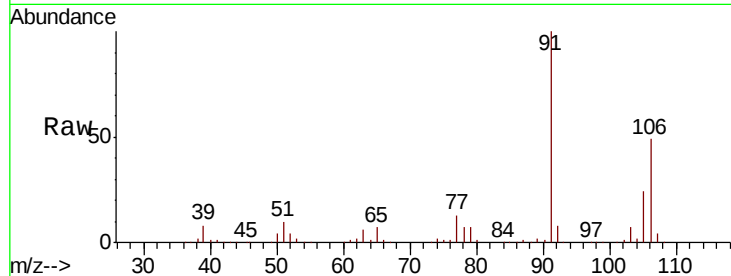




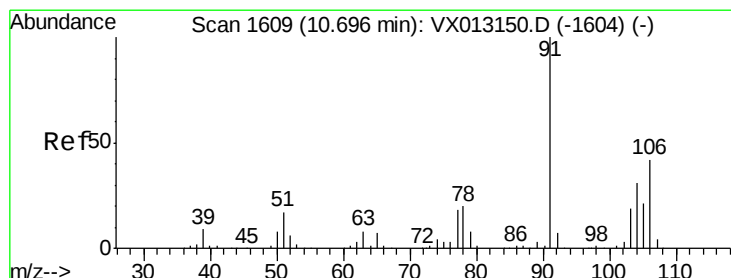
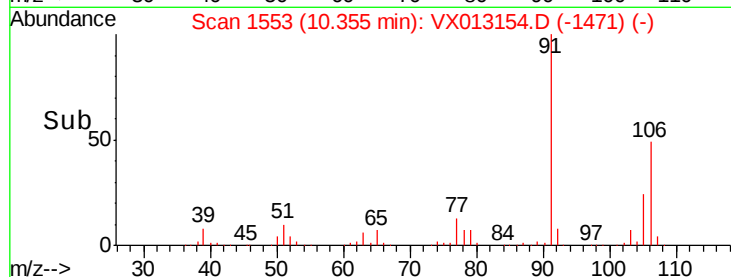
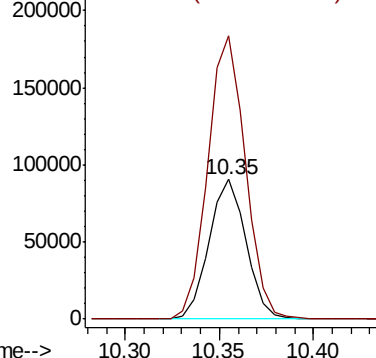
#67
m/p-Xylenes
Concen: 39.019 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
ICVX102119

Tot Ion:106 Resp: 123401
Ion Ratio Lower Upper
106 100
91 205.2 163.7 245.5

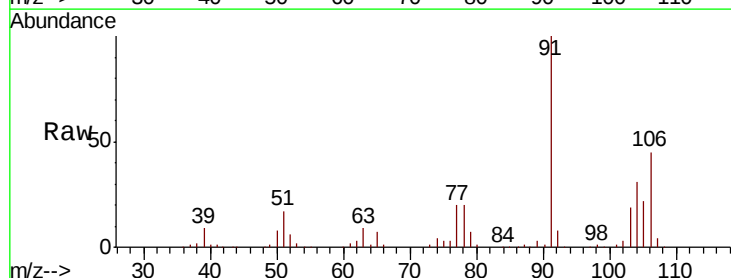


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

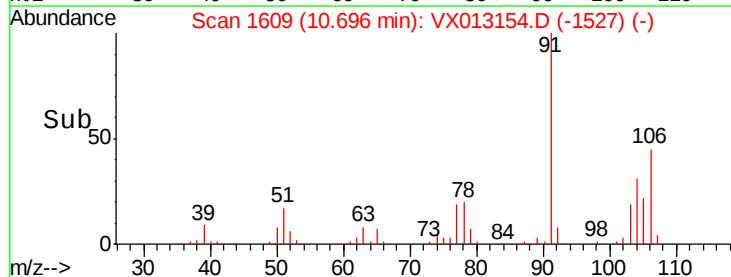
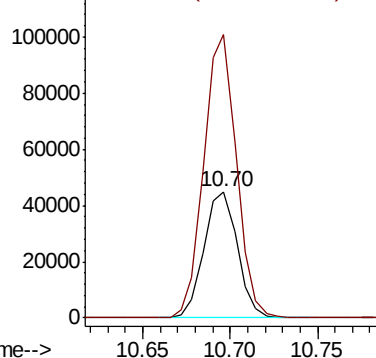


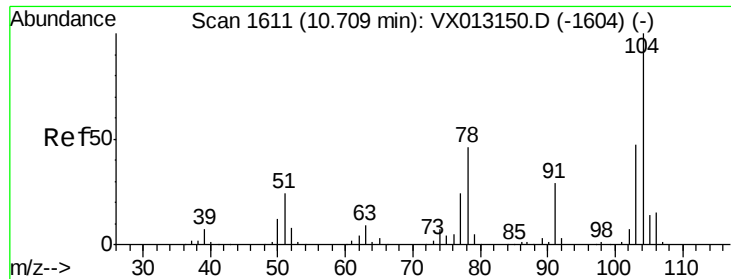
#68
o-Xylene
Concen: 19.771 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion:106 Resp: 59690
Ion Ratio Lower Upper
106 100
91 219.3 113.6 340.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

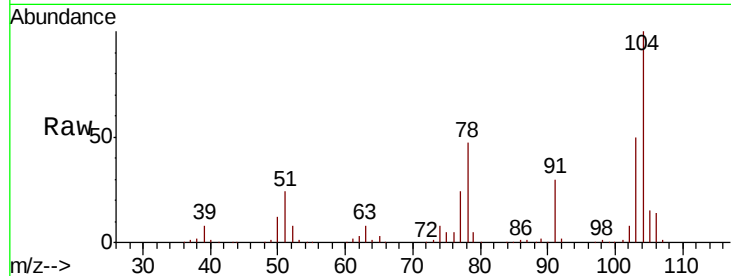




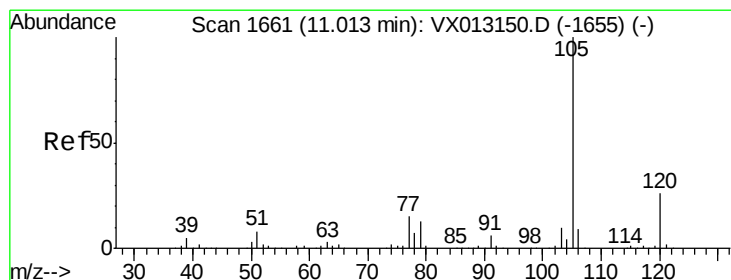
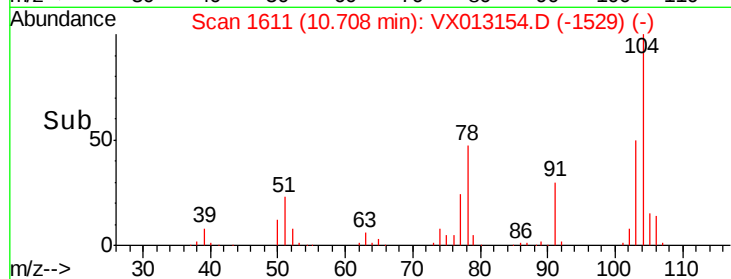
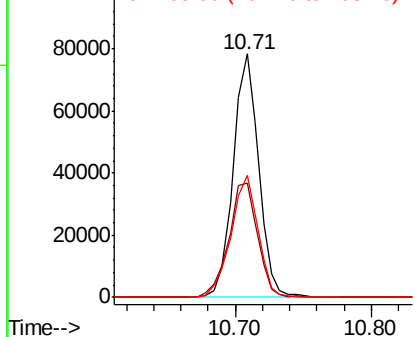
#69
Stvrene
Concen: 19.651 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102119

Tot Ion:104 Resp: 102097
Ion Ratio Lower Upper
104 100
78 52.8 42.3 63.5
103 53.4 42.2 63.2

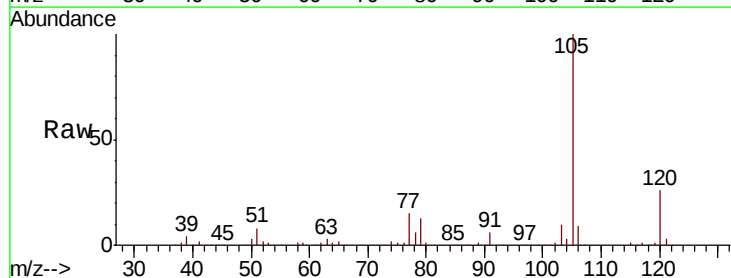


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

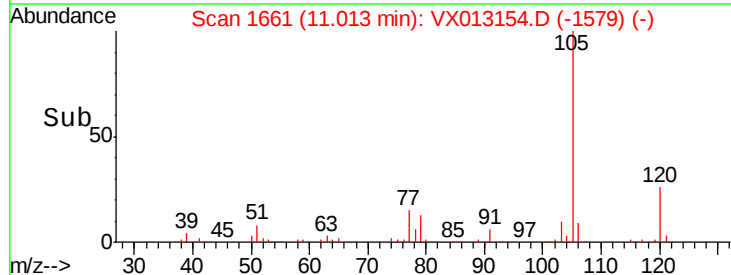
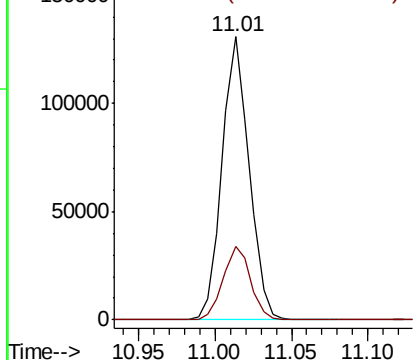


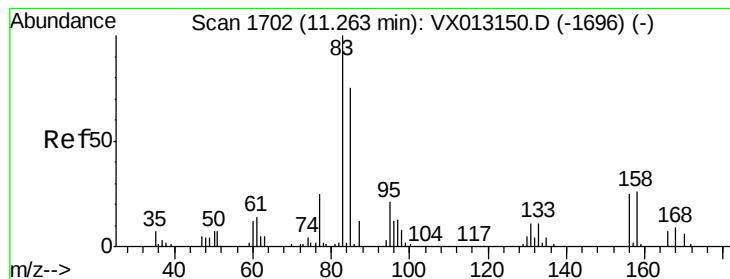
#70
Isopropylbenzene
Concen: 19.306 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion:105 Resp: 159937
Ion Ratio Lower Upper
105 100
120 26.3 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: 19.918 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

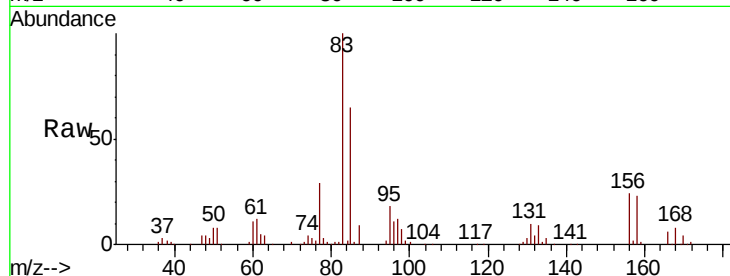
Tot Ion: 83 Resp: 50562

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

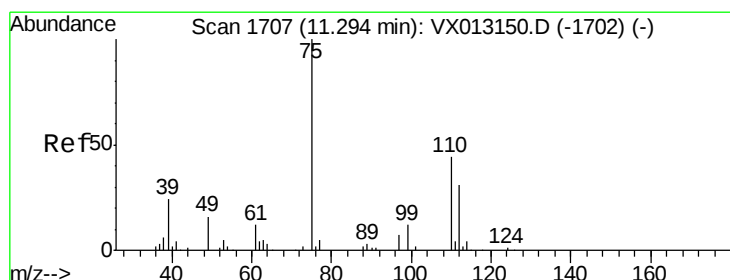
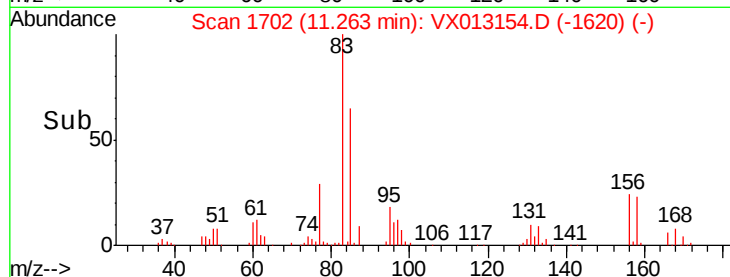
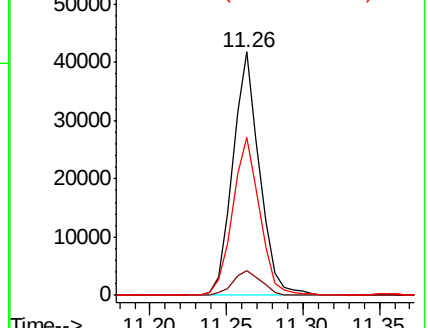
85 66.1 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 26.901 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013154.D

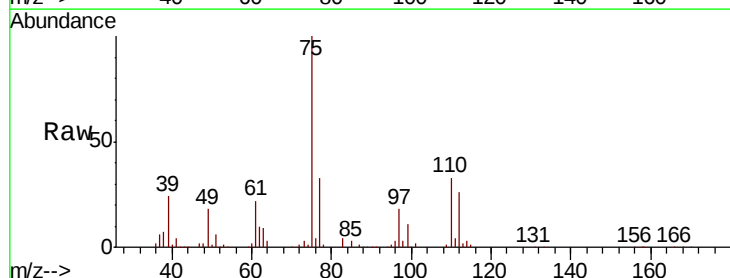
Acq: 21 Oct 2019 15:50

Tgt Ion: 75 Resp: 59313

Ion Ratio Lower Upper

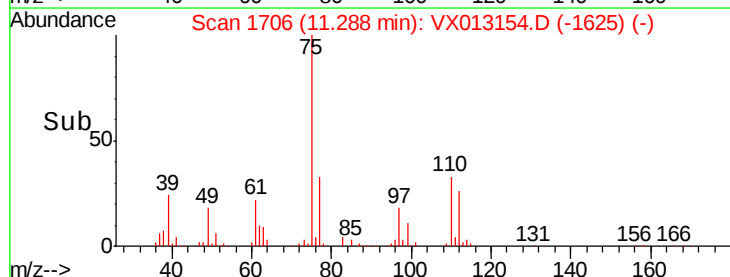
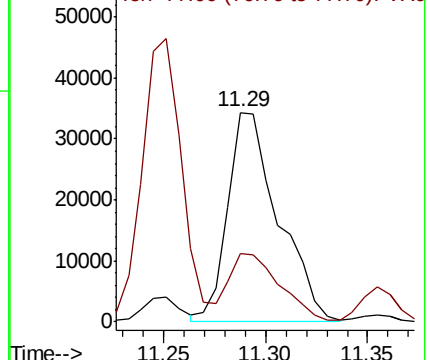
75 100

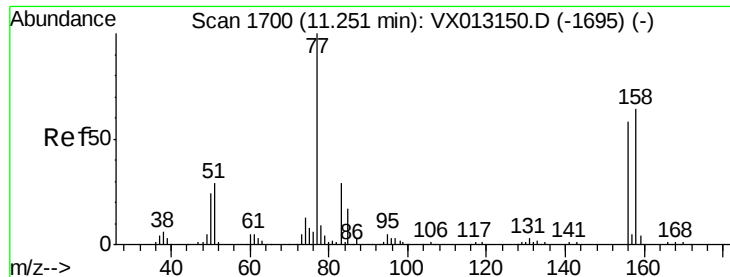
77 32.4 0.0 74.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

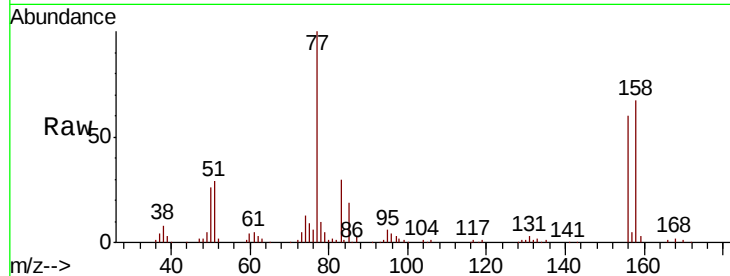




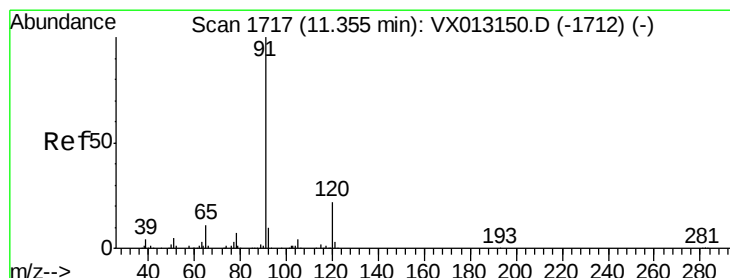
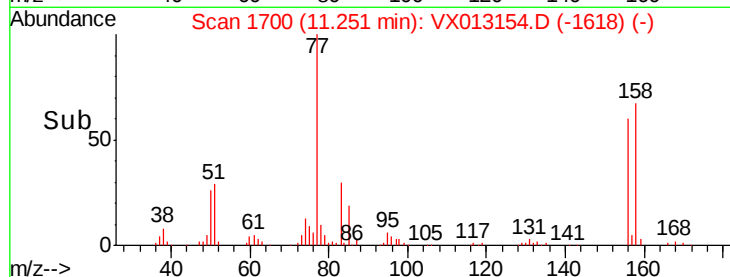
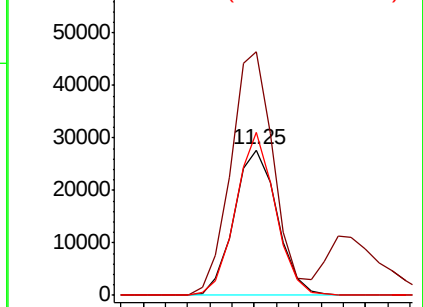
#73
Bromobenzene
Concen: 18.880 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102119

Tot Ion:156 Resp: 37535
Ion Ratio Lower Upper
156 100
77 167.2 0.0 328.0
158 102.1 0.0 196.2

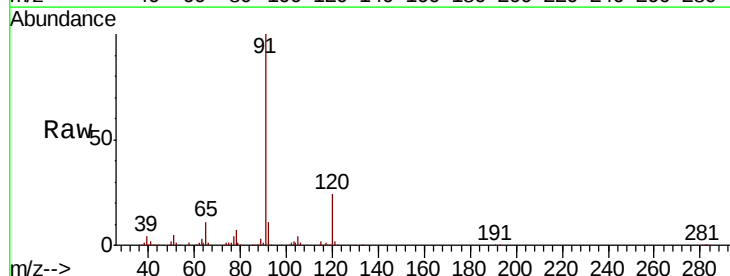


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V

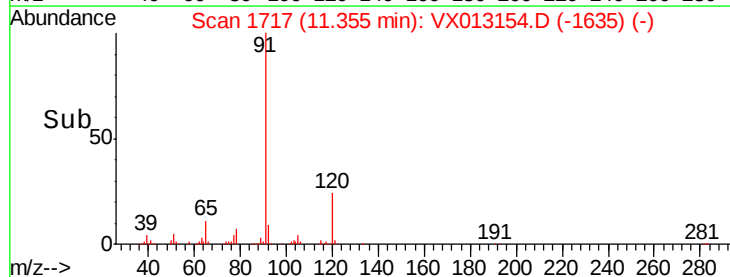
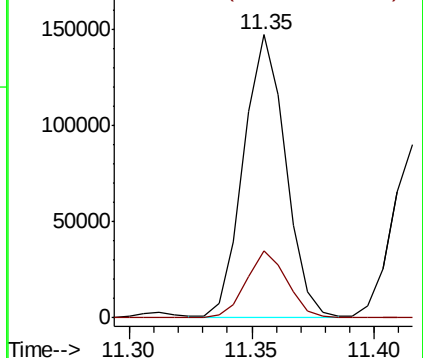


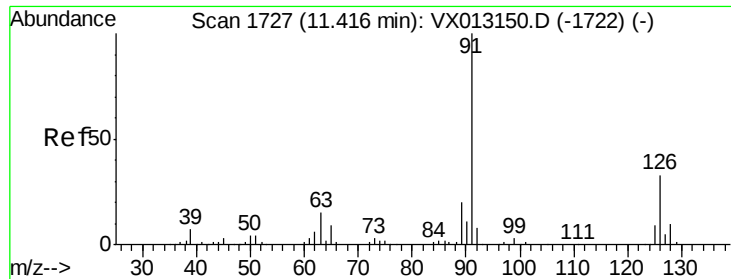
#74
n-propylbenzene
Concen: 19.469 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion: 91 Resp: 177030
Ion Ratio Lower Upper
91 100
120 23.0 0.0 45.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.942 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

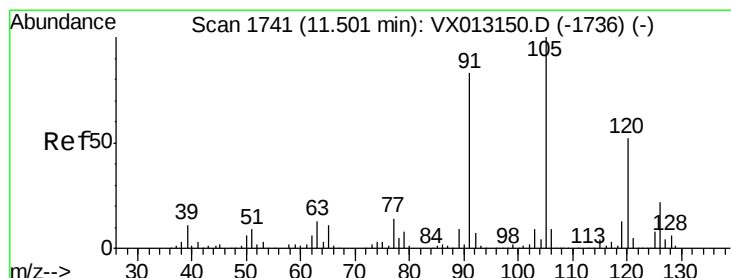
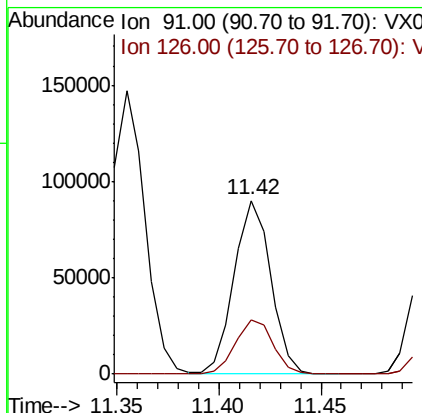
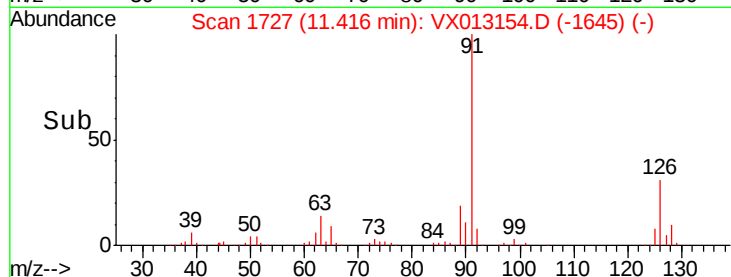
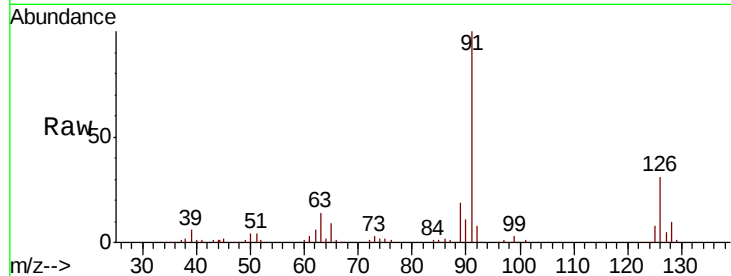
ICVVX102119

Tot Ion: 91 Resp: 113463

Ion Ratio Lower Upper

91 100

126 32.0 0.0 63.8



#76

1,3,5-Trimethylbenzene

Concen: 19.524 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013154.D

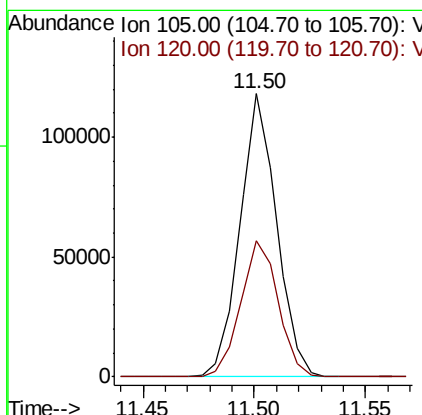
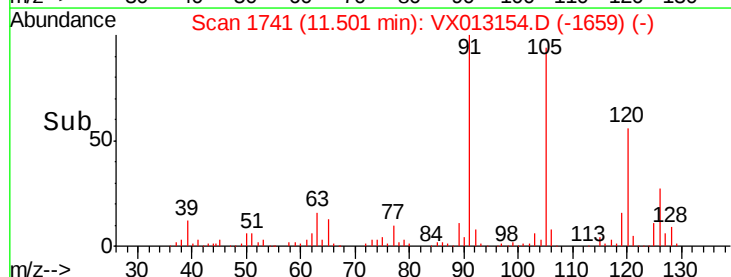
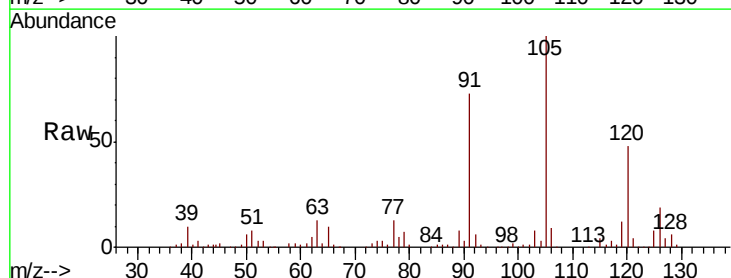
Acq: 21 Oct 2019 15:50

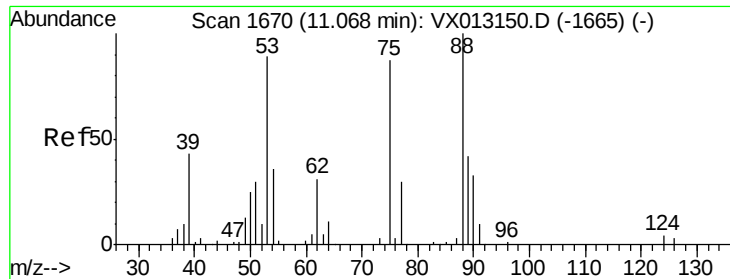
Tgt Ion:105 Resp: 135777

Ion Ratio Lower Upper

105 100

120 49.4 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.863 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

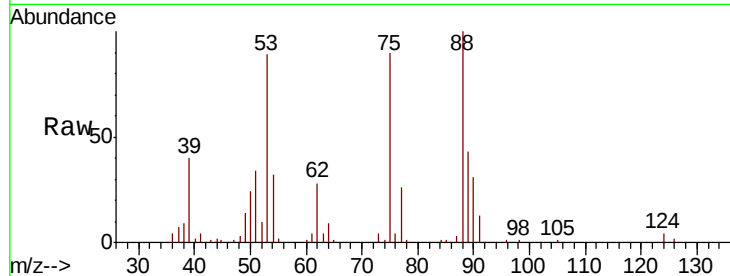
Tot Ion: 75 Resp: 16148

Ion Ratio Lower Upper

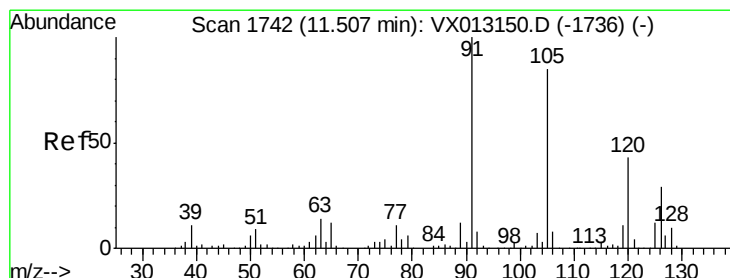
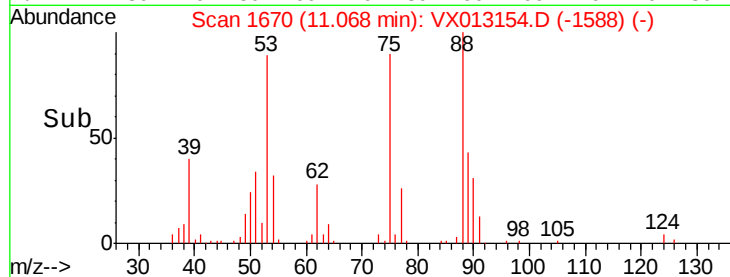
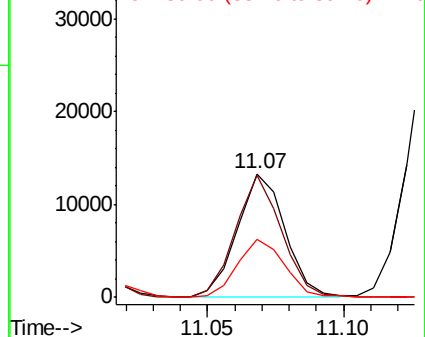
75 100

53 98.1 51.1 153.4

89 46.8 24.1 72.4



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 19.538 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013154.D

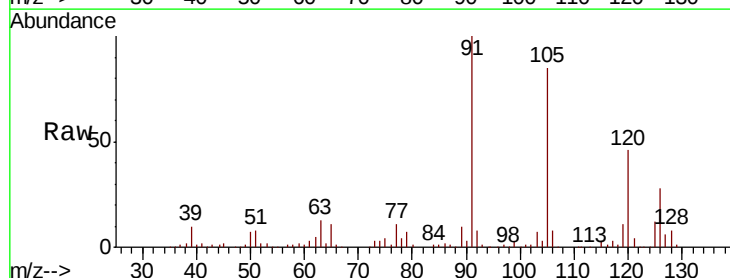
Acq: 21 Oct 2019 15:50

Tgt Ion: 91 Resp: 127019

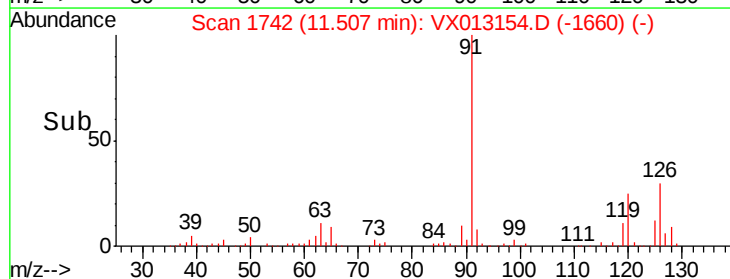
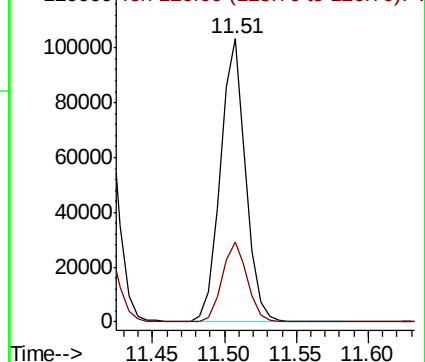
Ion Ratio Lower Upper

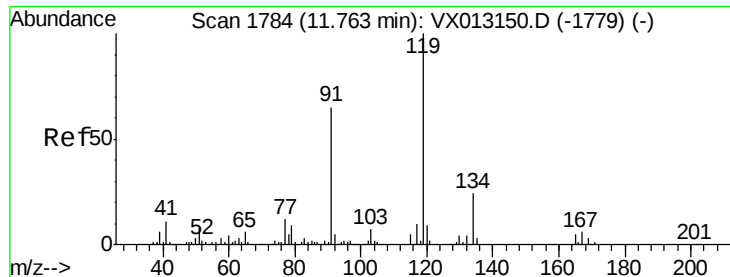
91 100

126 28.2 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: 19.798 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102119

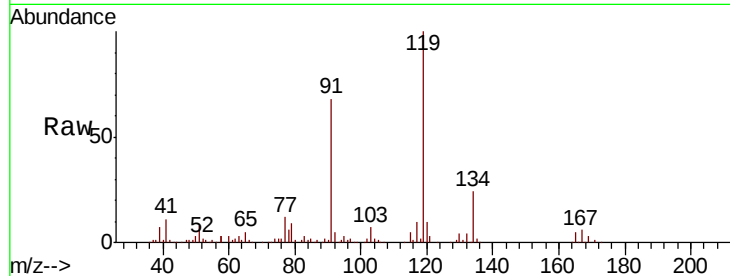
Tot Ion:119 Resp: 132575

Ion Ratio Lower Upper

119 100

91 61.3 0.0 128.4

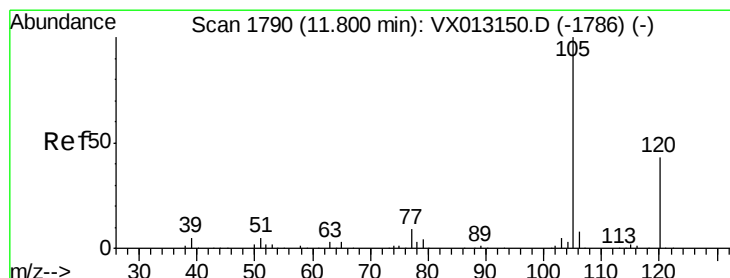
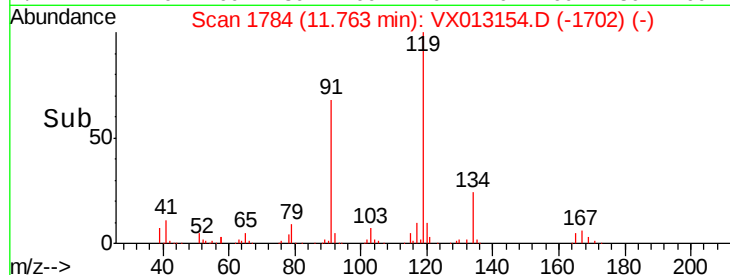
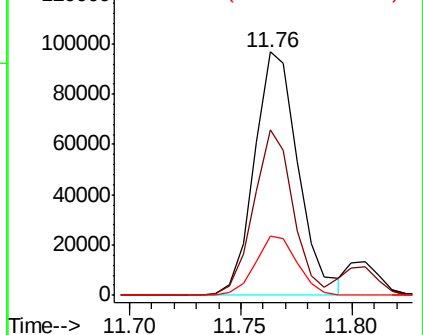
134 23.3 0.0 49.0



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: 19.848 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013154.D

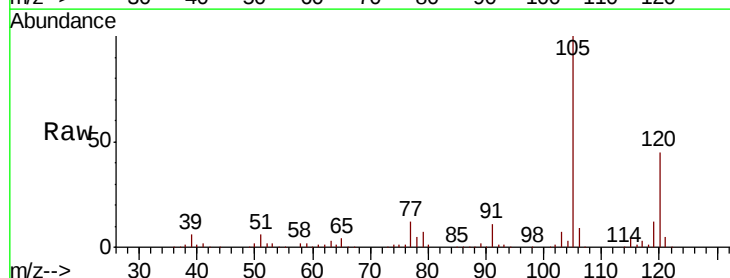
Acq: 21 Oct 2019 15:50

Tgt Ion:105 Resp: 137887

Ion Ratio Lower Upper

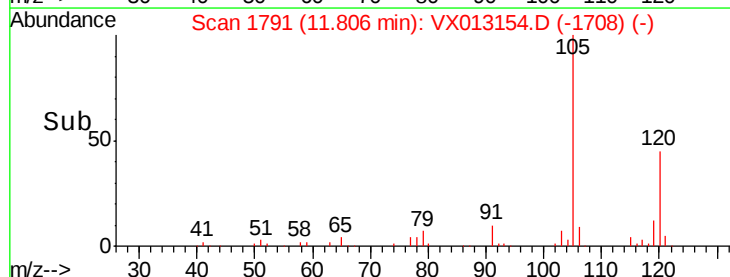
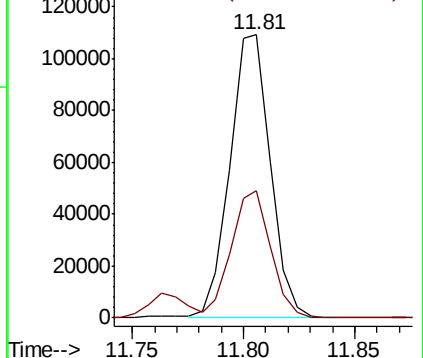
105 100

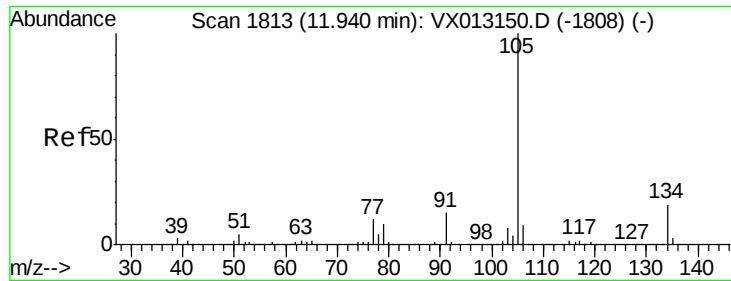
120 43.6 0.0 87.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

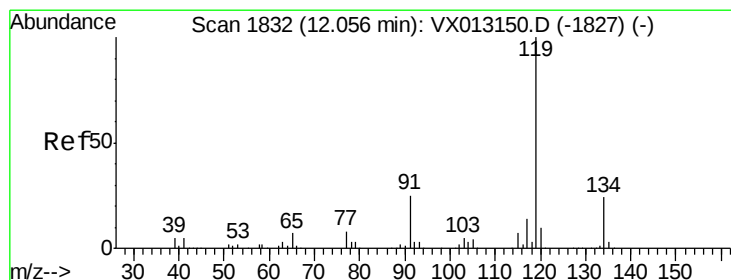
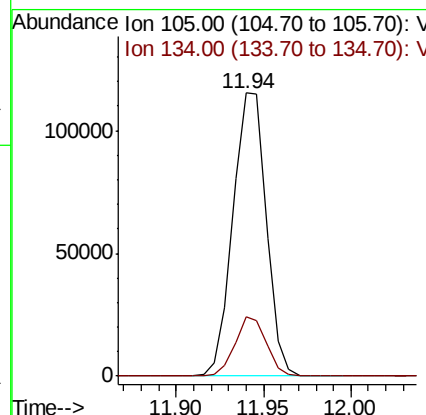
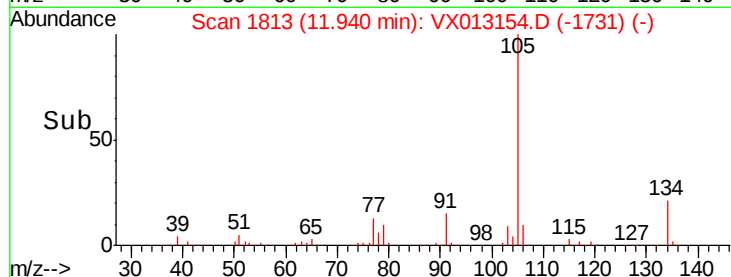
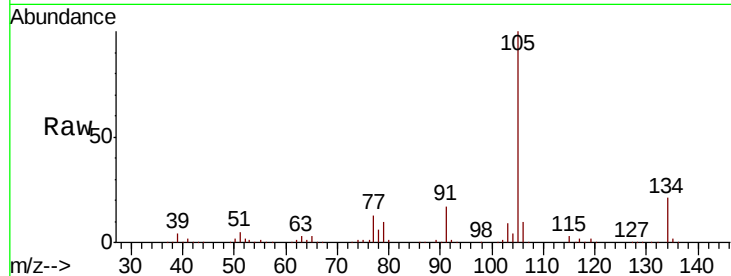




#81
 sec-Butylbenzene
 Concen: 19.196 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

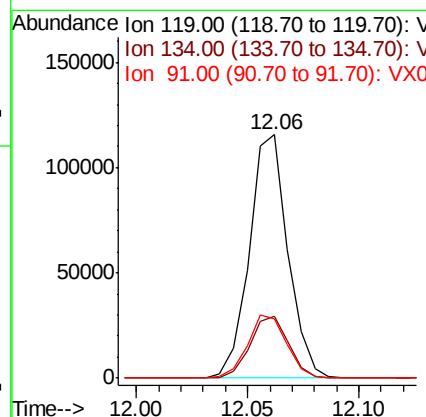
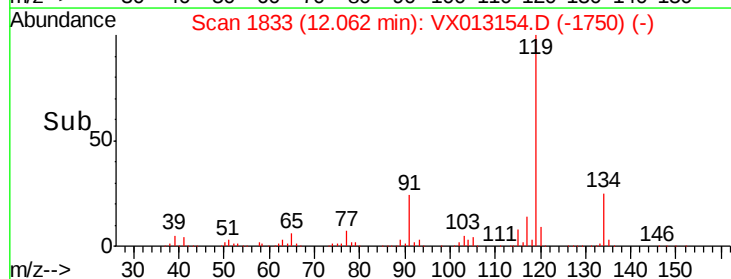
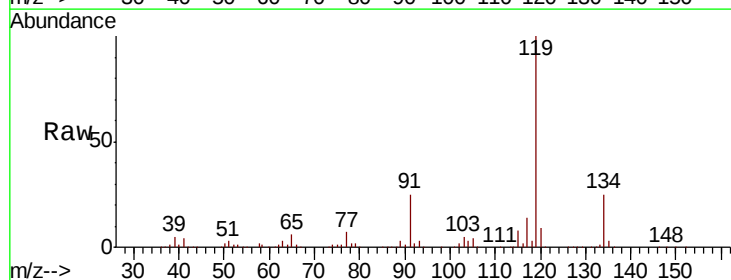
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102119

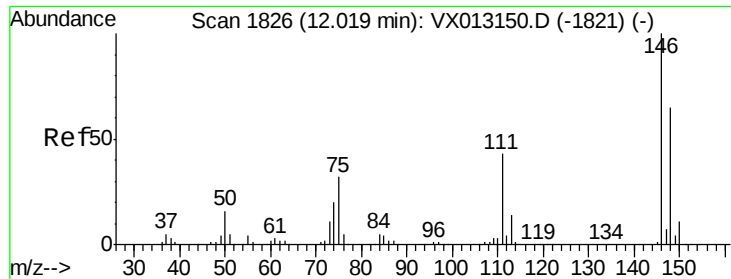
Tot Ion:105 Resp: 153135
 Ion Ratio Lower Upper
 105 100
 134 19.8 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 19.090 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

Tgt Ion:119 Resp: 139236
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 51.6
 91 26.3 0.0 50.0

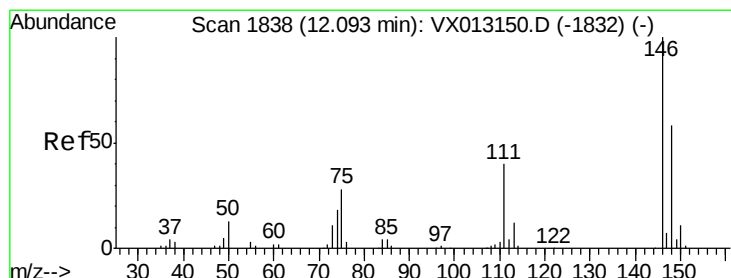
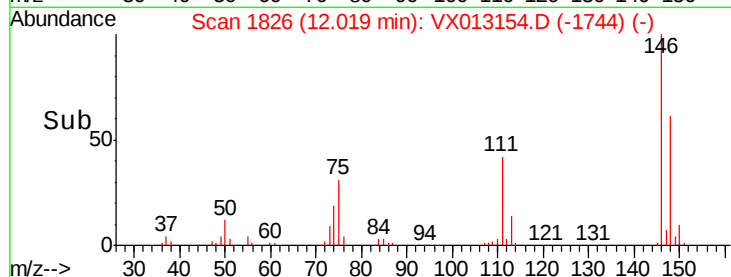
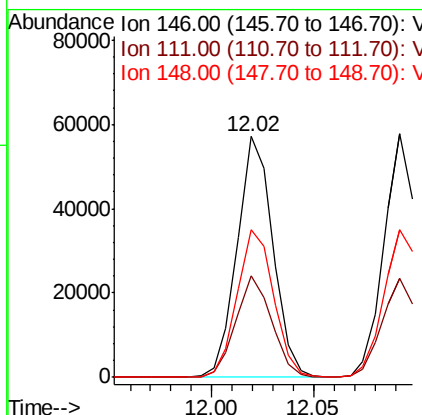
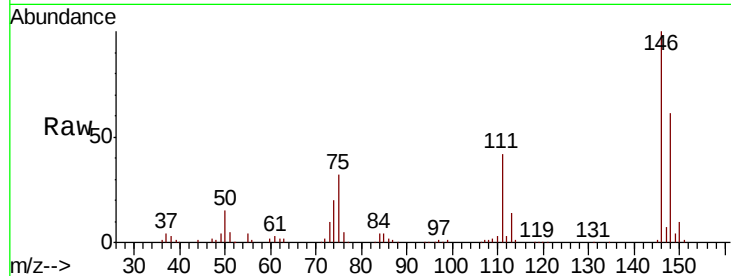




#83
 1,3-Dichlorobenzene
 Concen: 19.157 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

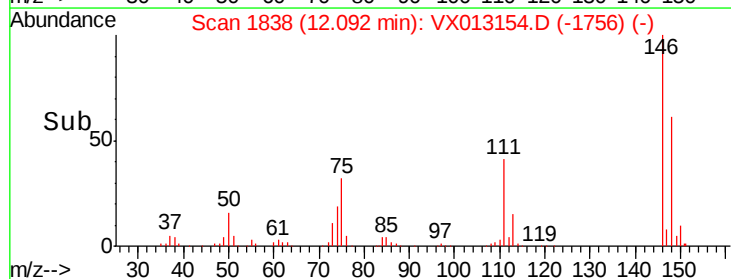
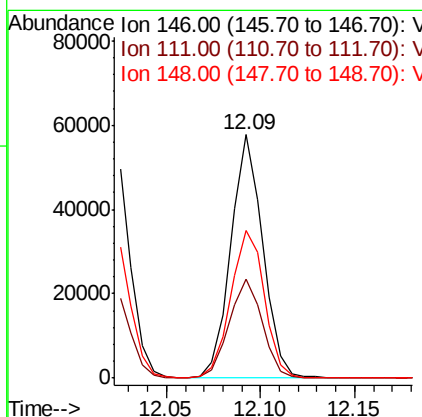
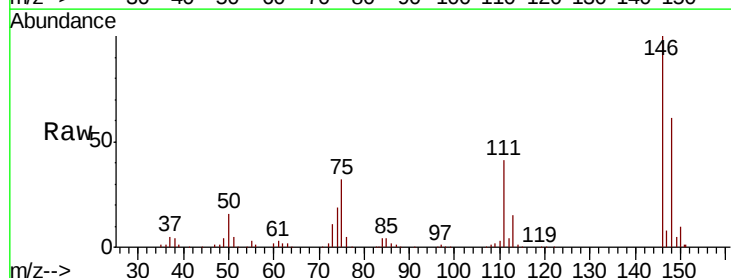
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102119

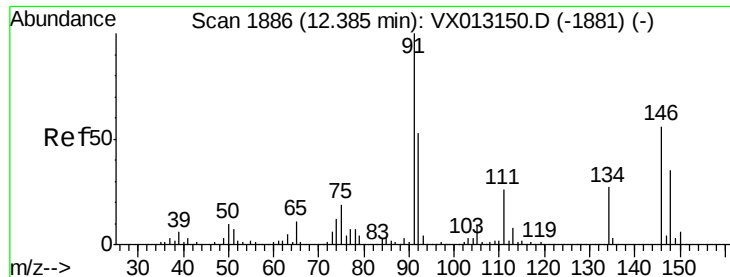
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.8	65.4
148	62.5	31.2	93.6



#84
 1,4-Dichlorobenzene
 Concen: 18.839 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.3	60.9
148	64.0	31.4	94.2





#85

n-Butylbenzene

Concen: 18.401 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013154.D

Acq: 21 Oct 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX102119

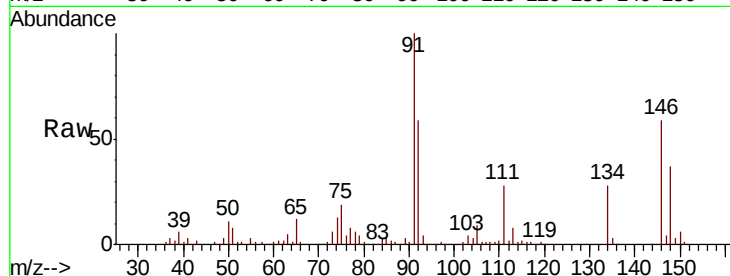
Tot Ion: 91 Resp: 114002

Ion Ratio Lower Upper

91 100

92 55.0 0.0 106.8

134 25.2 0.0 52.4

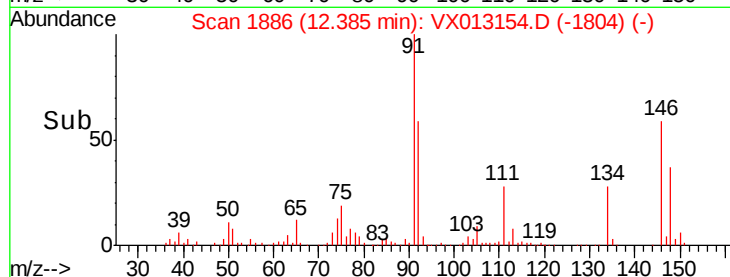


Abundance Ion 91.00 (90.70 to 91.70): VX013154.D (-1881) (-)

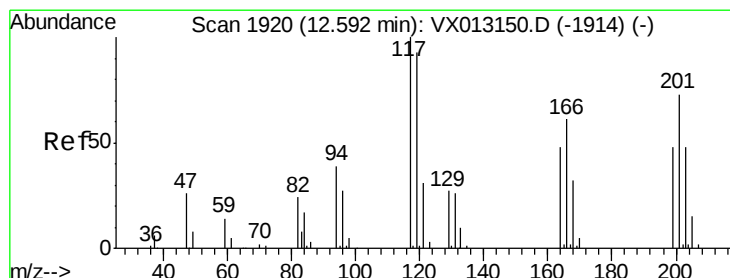
Ion 92.00 (91.70 to 92.70): VX013154.D (-1881) (-)

Ion 134.00 (133.70 to 134.70): VX013154.D (-1881) (-)

Time-->



Time-->



#86

Hexachloroethane

Concen: 18.608 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013154.D

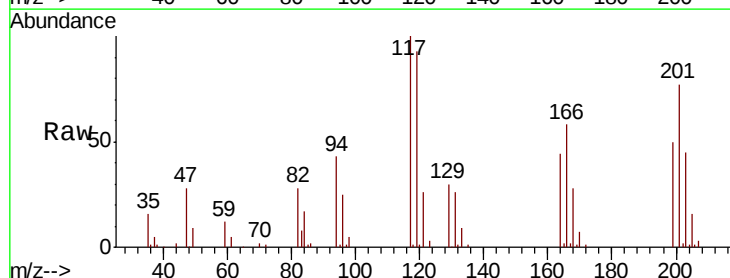
Acq: 21 Oct 2019 15:50

Tgt Ion: 117 Resp: 23689

Ion Ratio Lower Upper

117 100

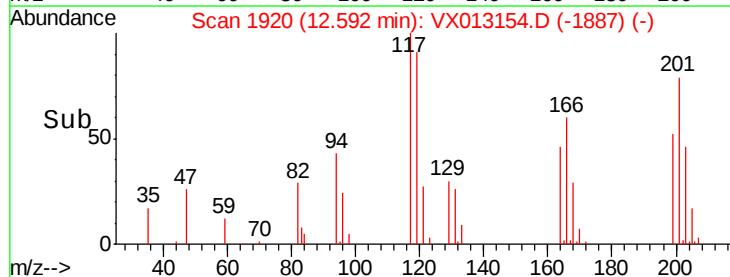
201 75.9 35.9 107.5



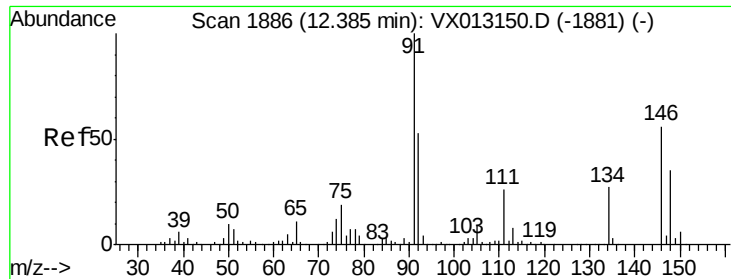
Abundance Ion 117.00 (116.70 to 117.70): VX013154.D (-1914) (-)

Ion 201.00 (200.70 to 201.70): VX013154.D (-1914) (-)

Time-->



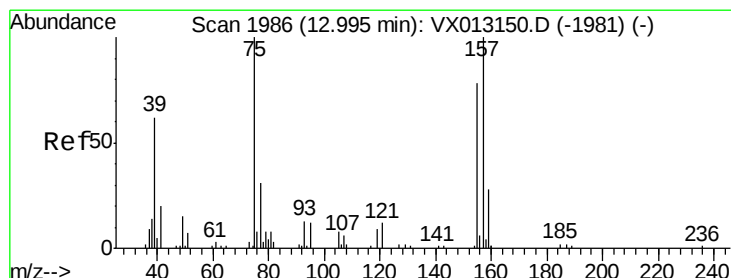
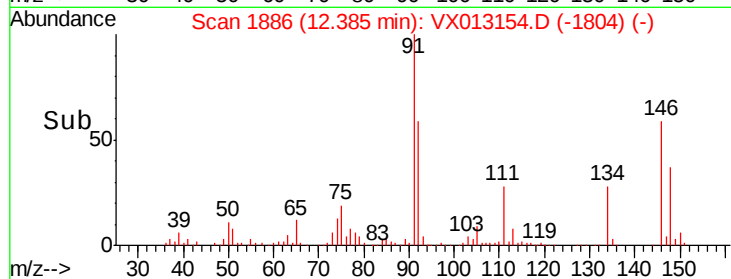
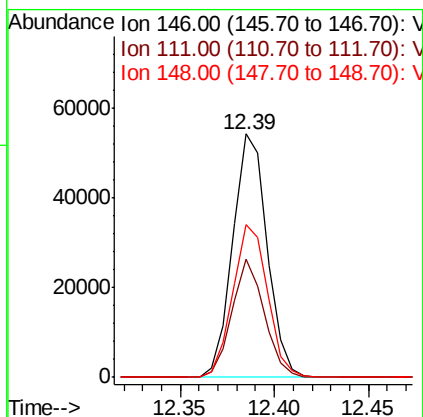
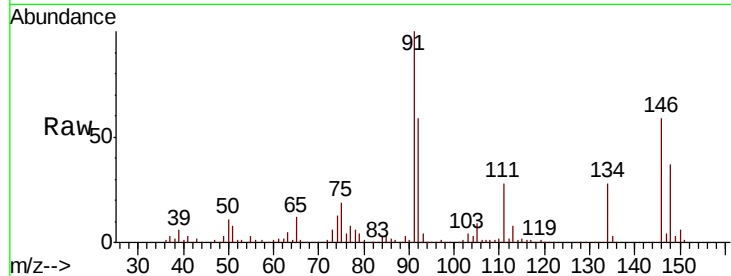
Time-->



#87
 1,2-Dichlorobenzene
 Concen: 19.520 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

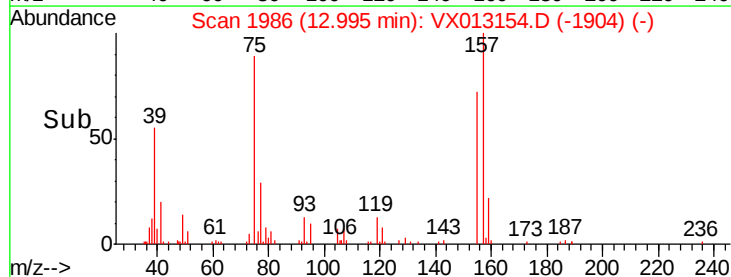
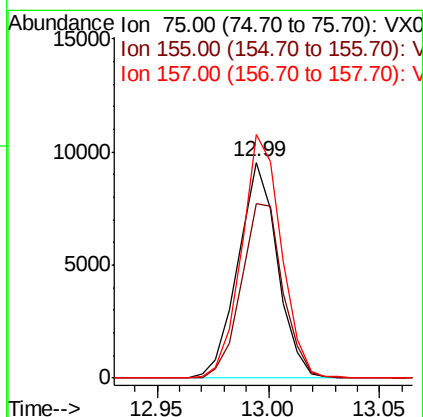
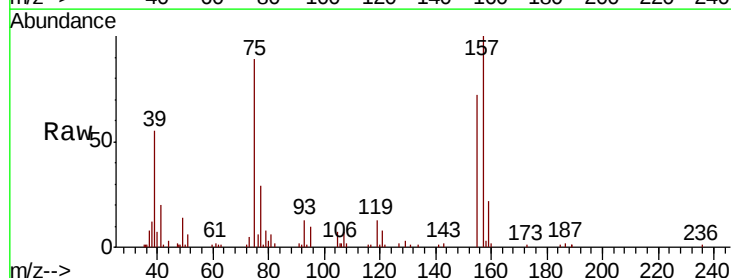
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102119

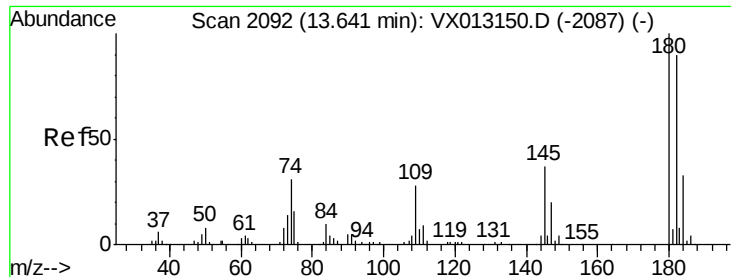
Tot Ion:146 Resp: 68748
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.5 67.5
 148 63.6 31.4 94.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.871 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013154.D
 Acq: 21 Oct 2019 15:50

Tgt Ion: 75 Resp: 11804
 Ion Ratio Lower Upper
 75 100
 155 85.3 65.4 98.0
 157 113.5 84.1 126.1

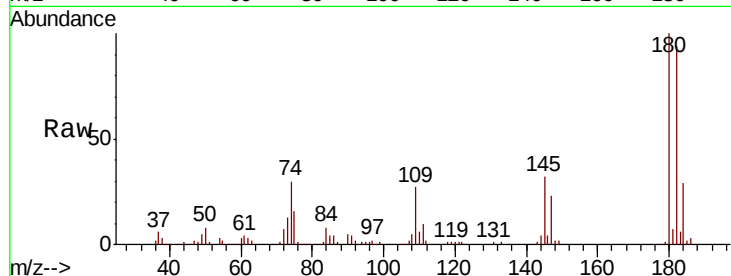




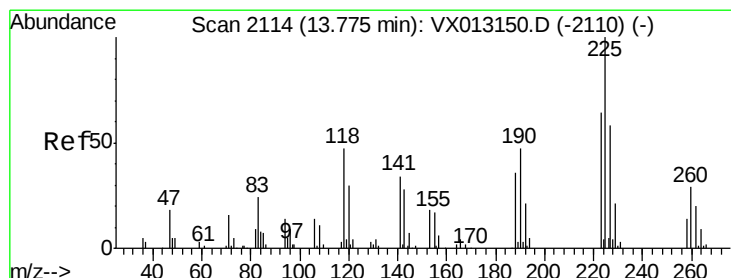
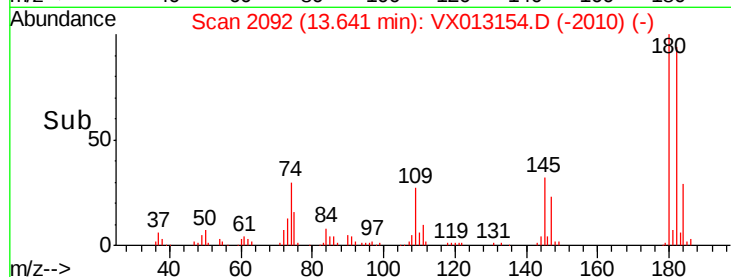
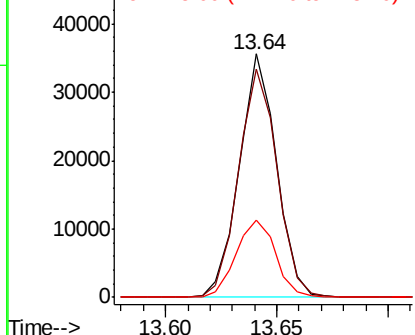
#89
1,2,4-Trichlorobenzene
Concen: 18.980 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102119

Tot Ion:180 Resp: 41574
Ion Ratio Lower Upper
180 100
182 97.2 76.1 114.1
145 33.7 27.4 41.2

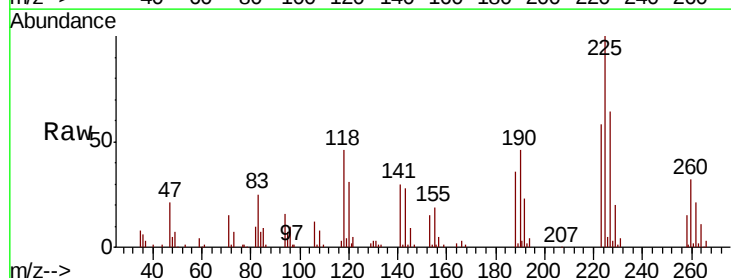


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

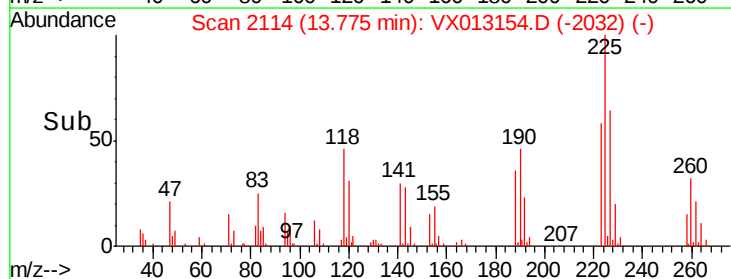
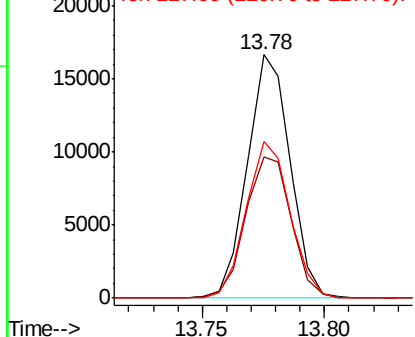


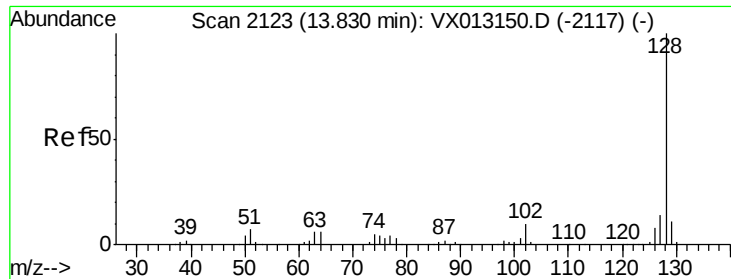
#90
Hexachlorobutadiene
Concen: 18.246 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion:225 Resp: 20292
Ion Ratio Lower Upper
225 100
223 62.1 0.0 131.2
227 65.8 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

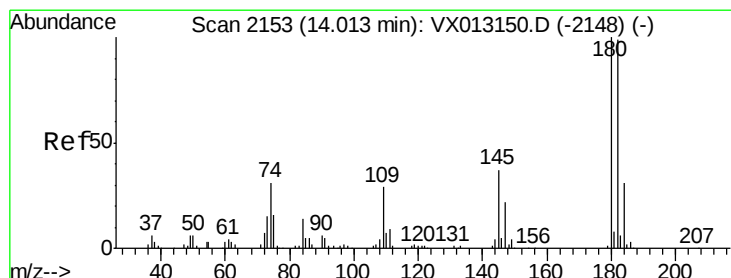
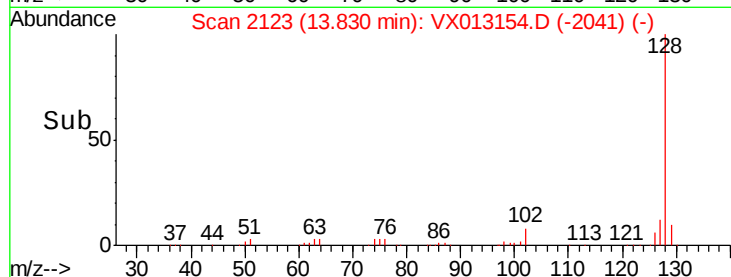
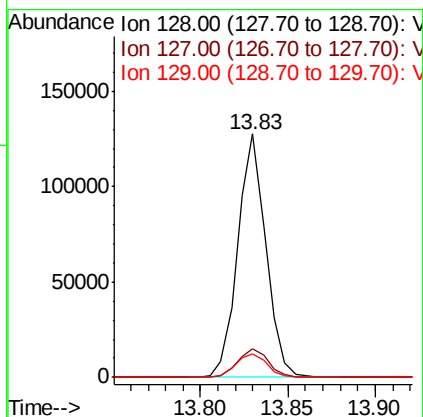
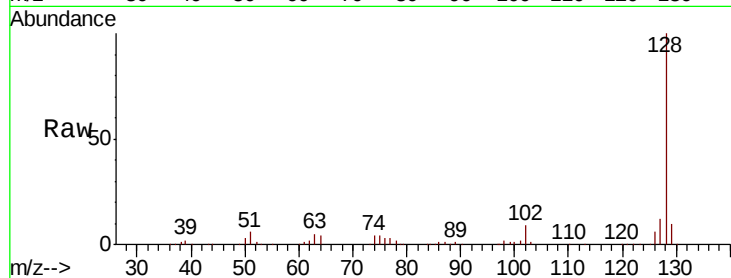




#91
Naphthalene
Concen: 20.019 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102119

Tot Ion:128 Resp: 142638
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.7 8.6 12.8



#92
1,2,3-Trichlorobenzene
Concen: 19.340 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013154.D
Acq: 21 Oct 2019 15:50

Tgt Ion:180 Resp: 43402
Ion Ratio Lower Upper
180 100
182 90.8 0.0 194.4
145 36.9 0.0 71.2

