

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102819\
 Data File : VX013259.D
 Acq On : 28 Oct 2019 19:37
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 29 15:16:08 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	5.00	128	21915	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	122103	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	110108	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	53358	30.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.10%
60) 4-Bromofluorobenzene	11.14	95	58798	30.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.23%
63) Toluene-d8	8.71	98	151131	30.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.87%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	28035	17.818 ug/l	96
3) Chloromethane	1.32	50	22048	16.073 ug/l	98
4) Vinyl Chloride	1.40	62	23684	16.700 ug/l	97
5) Bromomethane	1.64	94	16042	20.962 ug/l	94
6) Chloroethane	1.72	64	15193	16.787 ug/l	97
7) Trichlorofluoromethane	1.92	101	42698	18.734 ug/l	98
8) Diethyl Ether	2.18	74	13605	17.490 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24712	17.752 ug/l	98
10) 1,1-Dichloroethene	2.37	96	23404	17.408 ug/l	98
11) Methyl Iodide	2.50	142	27546	15.909 ug/l	98
12) Methyl Acetate	2.76	43	29993	17.276 ug/l	98
13) Acrolein	2.28	56	24123	93.344 ug/l	99
14) Acrylonitrile	3.13	53	63590	87.585 ug/l	100
15) Acetone	2.43	58	18659	78.005 ug/l	99
16) Carbon Disulfide	2.56	76	59201	16.490 ug/l	98
17) Allyl chloride	2.72	41	35609	16.651 ug/l	95
18) Methylene Chloride	2.84	84	26598	17.086 ug/l	94
19) trans-1,2-Dichloroethene	3.16	96	24991	17.518 ug/l	93
20) Diisopropyl ether	3.84	45	72103	17.433 ug/l	97
21) 1,1-Dichloroethane	3.69	63	44756	17.822 ug/l	97
22) cis-1,2-Dichloroethene	4.59	96	28799	17.703 ug/l	99
23) tert-Butyl Alcohol	3.03	59	30838	80.619 ug/l	# 100
24) Methyl tert-Butyl Ether	3.19	73	84269	18.175 ug/l	99
25) Chloroform	5.20	83	49858	18.893 ug/l	99
26) Cyclohexane	5.57	56	37128	16.849 ug/l	# 97
29) 1,1-Dichloropropene	5.79	75	35345	18.633 ug/l	87
30) 2-Butanone	4.66	43	87178	87.616 ug/l	98
31) 2,2-Dichloropropane	4.57	77	39294	17.917 ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	46129	20.097 ug/l	98
33) Carbon Tetrachloride	5.77	117	39144	19.842 ug/l	96
34) Benzene	6.14	78	100531	18.409 ug/l	99
35) Methacrylonitrile	5.03	41	18245	17.880 ug/l	97
36) 1,2-Dichloroethane	6.18	62	41349	20.031 ug/l	99
37) Trichloroethene	7.21	130	29339	19.370 ug/l	88
38) Methylcyclohexane	7.46	83	40393	17.461 ug/l	99
39) 1,2-Dichloropropane	7.51	63	24563	18.326 ug/l	99
40) Dibromomethane	7.65	93	18302	19.116 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	36690	19.006	ug/l	100
42) Vinyl Acetate	3.80	43	306571	88.851	ug/l	99
43) Ethyl Acetate	4.82	43	33459	18.437	ug/l	97
44) Isopropyl Acetate	6.43	43	54423	17.843	ug/l	99
45) 1,4-Dioxane	7.73	88	12077	313.098	ug/l	95
46) Methyl methacrylate	7.76	41	26623	17.739	ug/l	97
47) n-amyl Acetate	10.89	43	45569	17.724	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	38405	18.136	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	42618	18.496	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	26902	19.027	ug/l	95
51) Ethyl methacrylate	9.17	69	40467	18.254	ug/l	97
52) 1,3-Dichloropropane	9.37	76	45561	19.135	ug/l	100
53) Dibromochloromethane	9.57	129	30153	19.771	ug/l	95
54) 1,2-Dibromoethane	9.67	107	29483	19.503	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	85656	95.115	ug/l	97
56) Bromoform	10.85	173	20049	18.529	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	166916	89.964	ug/l	99
59) 2-Hexanone	9.48	43	127725	87.840	ug/l	98
61) Tetrachloroethene	9.33	164	29591	20.272	ug/l	98
62) Toluene	8.78	91	111506	18.760	ug/l	99
64) Chlorobenzene	10.14	112	69899	18.341	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	27522	19.278	ug/l	99
66) Ethyl Benzene	10.25	91	129285	18.898	ug/l	99
67) m/p-Xylenes	10.35	106	94966	36.525	ug/l	96
68) o-Xylene	10.70	106	46592	18.772	ug/l	98
69) Styrene	10.71	104	79673	18.653	ug/l	98
70) Isopropylbenzene	11.01	105	129746	19.050	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	37407	17.924	ug/l	96
72) 1,2,3-Trichloropropane	11.29	75	45004	24.828	ug/l	88
73) Bromobenzene	11.25	156	30999	18.966	ug/l	90
74) n-propylbenzene	11.35	91	133484	17.857	ug/l	99
75) 2-Chlorotoluene	11.42	91	82799	17.701	ug/l	95
76) 1,3,5-Trimethylbenzene	11.50	105	105533	18.459	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	11382	16.173	ug/l	94
78) 4-Chlorotoluene	11.51	91	100022	18.714	ug/l	99
79) tert-butylbenzene	11.76	119	103134	18.734	ug/l	96
80) 1,2,4-Trimethylbenzene	11.81	105	107418	18.808	ug/l	98
81) sec-Butylbenzene	11.94	105	115766	17.652	ug/l	98
82) p-Isopropyltoluene	12.06	119	109003	18.178	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	56269	18.851	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	55590	18.831	ug/l	99
85) n-Butylbenzene	12.39	91	89238	17.520	ug/l	98
86) Hexachloroethane	12.59	117	18521	17.696	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	54057	18.669	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	9752	18.964	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	33214	18.444	ug/l	99
90) Hexachlorobutadiene	13.78	225	16725	18.293	ug/l	98
91) Naphthalene	13.83	128	106719	18.219	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	33642	18.235	ug/l	99

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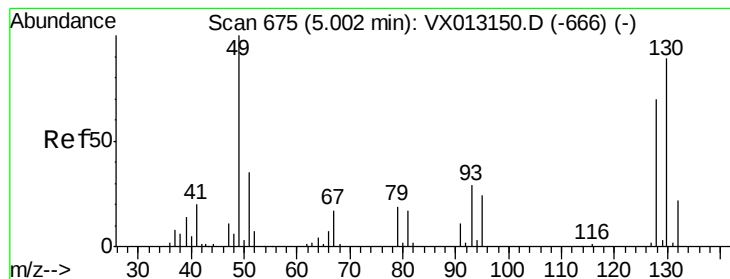
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

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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

Page: 4



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

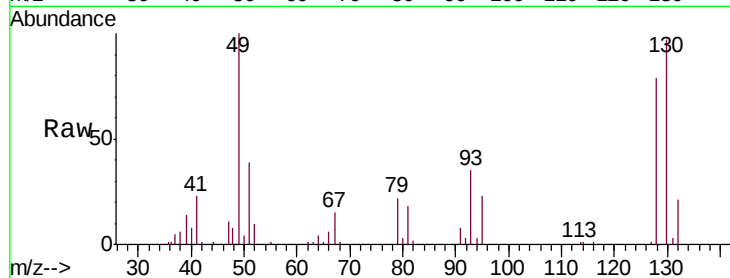
Tgt Ion:128 Resp: 21915

Ion Ratio Lower Upper

128 100

49 138.1 0.0 367.3

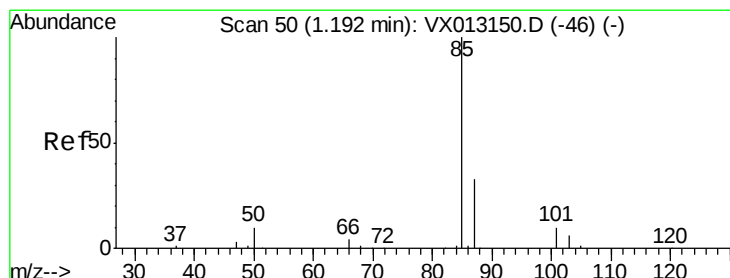
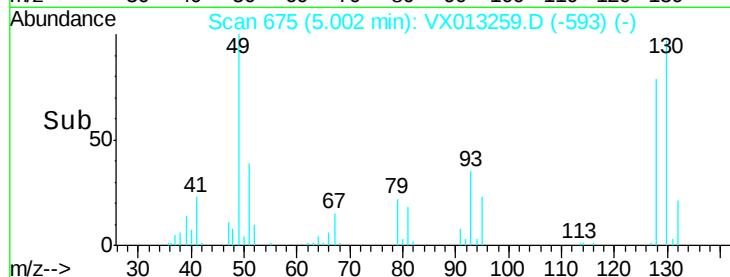
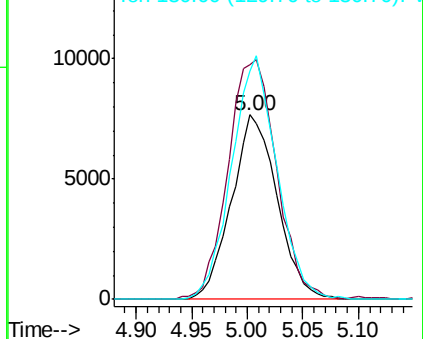
130 130.3 0.0 325.0



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: 17.818 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013259.D

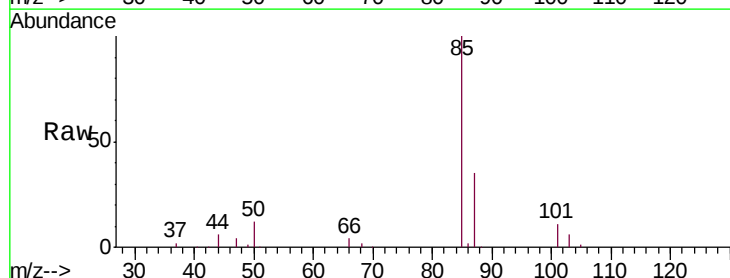
Acq: 28 Oct 2019 19:37

Tgt Ion: 85 Resp: 28035

Ion Ratio Lower Upper

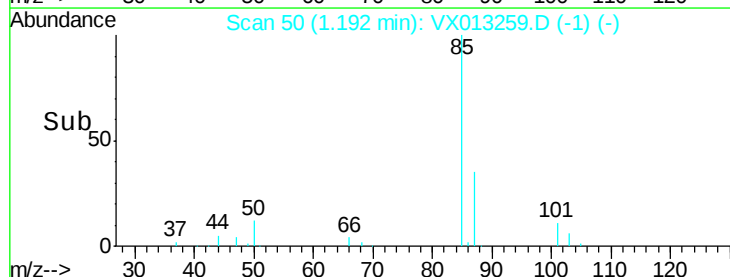
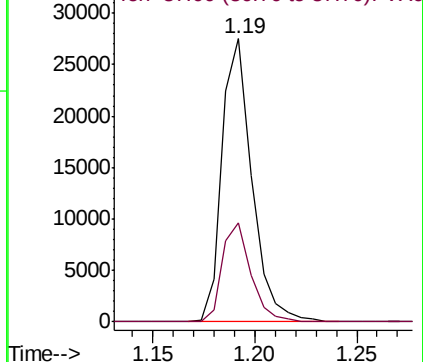
85 100

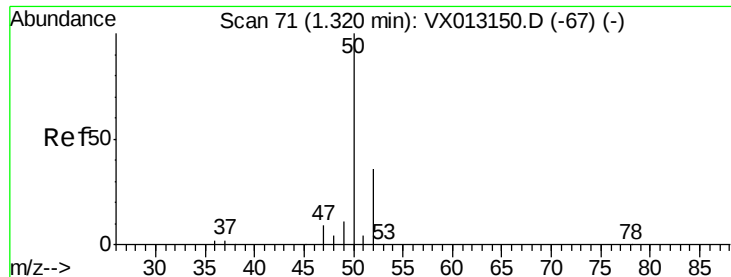
87 35.2 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 16.073 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

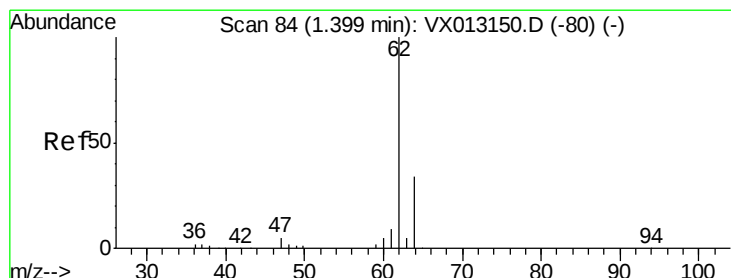
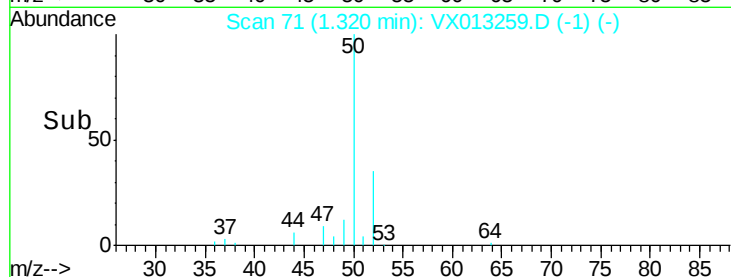
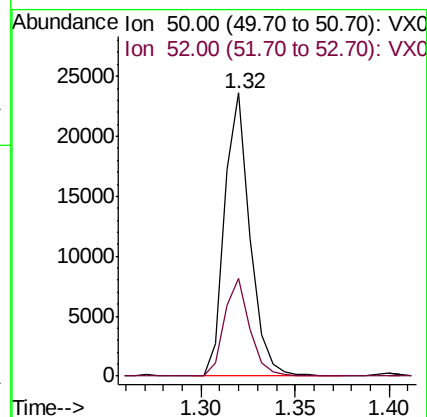
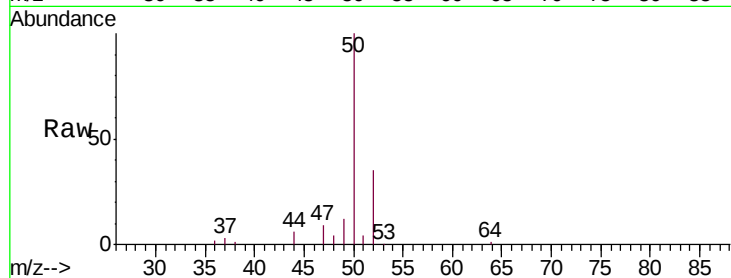
VSTDCCC020EC

Tgt Ion: 50 Resp: 22048

Ion Ratio Lower Upper

50 100

52 34.6 28.6 42.8



#4

Vinyl Chloride

Concen: 16.700 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013259.D

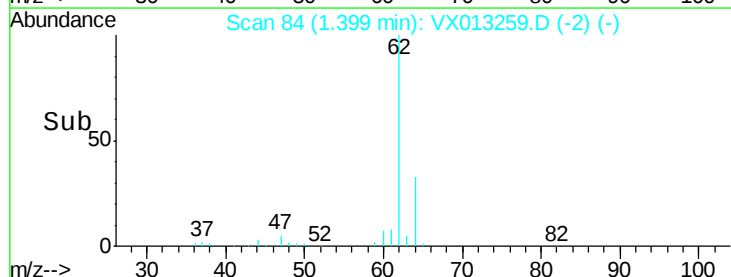
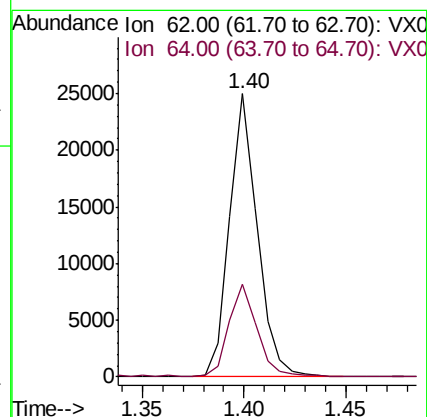
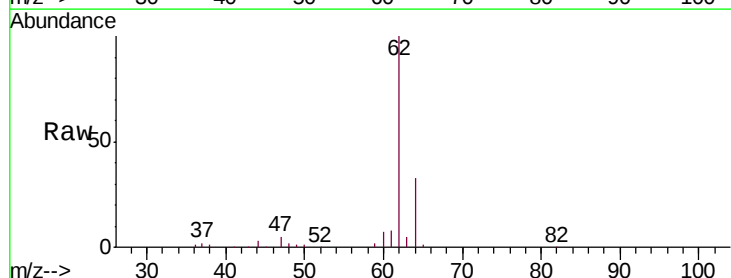
Acq: 28 Oct 2019 19:37

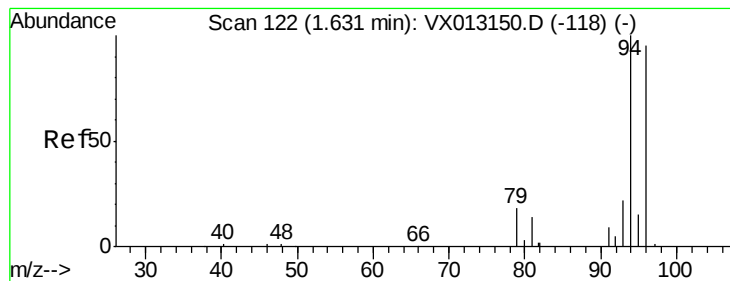
Tgt Ion: 62 Resp: 23684

Ion Ratio Lower Upper

62 100

64 32.4 27.3 40.9





#5

Bromomethane

Concen: 20.962 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

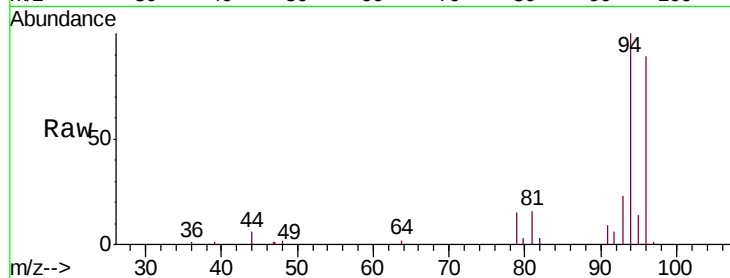
VSTDCCC020EC

Tgt Ion: 94 Resp: 16042

Ion Ratio Lower Upper

94 100

96 89.0 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

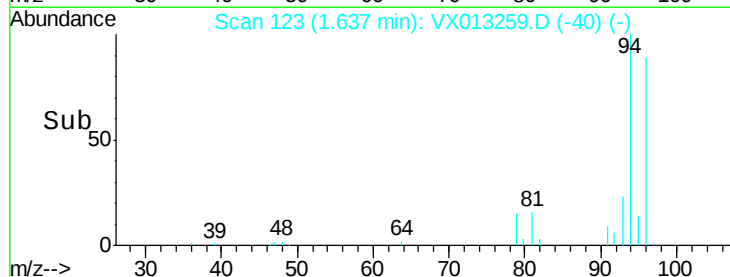
15000

10000

5000

0

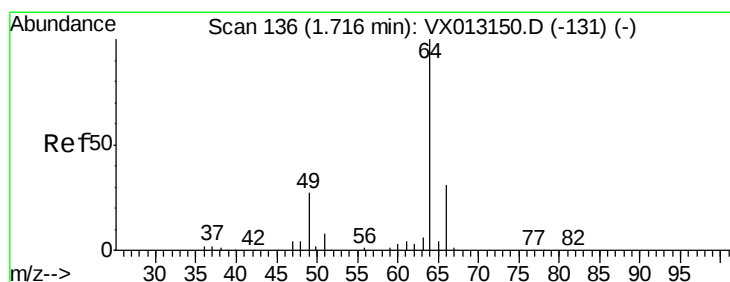
Time-->



1.64

1.65

1.70



#6

Chloroethane

Concen: 16.787 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX013259.D

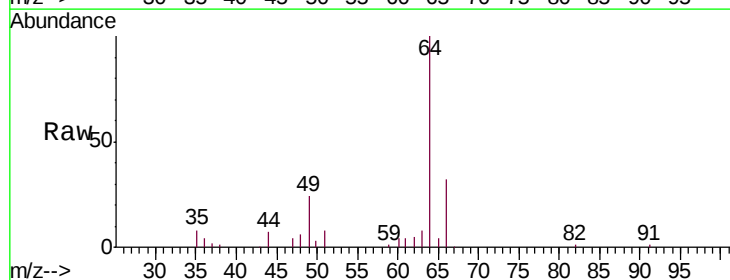
Acq: 28 Oct 2019 19:37

Tgt Ion: 64 Resp: 15193

Ion Ratio Lower Upper

64 100

66 33.6 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

12000

10000

8000

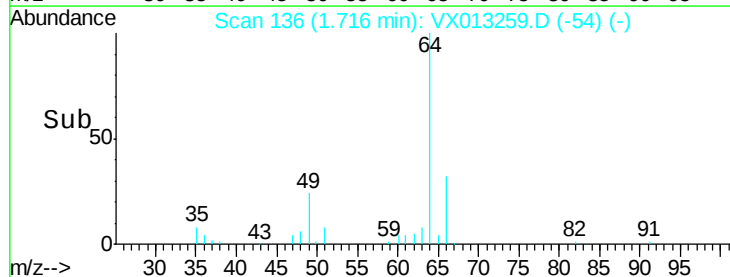
6000

4000

2000

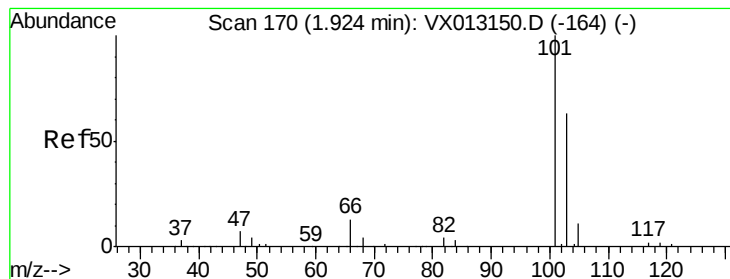
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Time-->



1.72

1.75

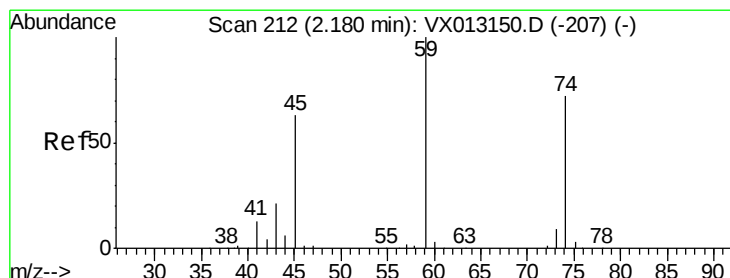
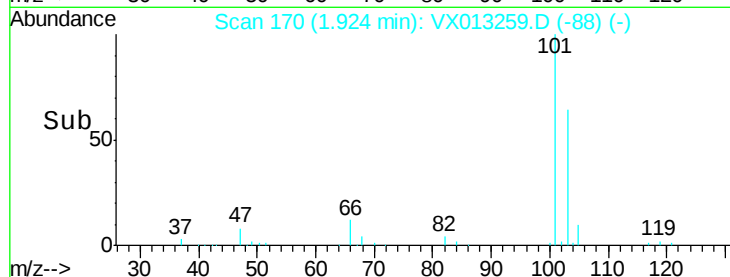
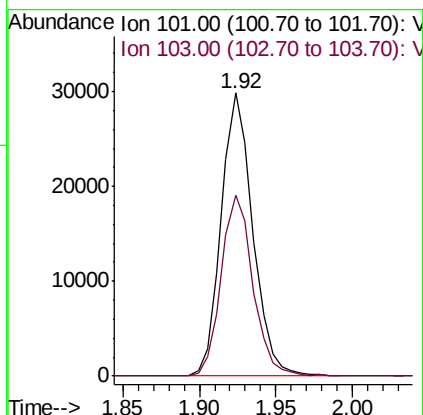
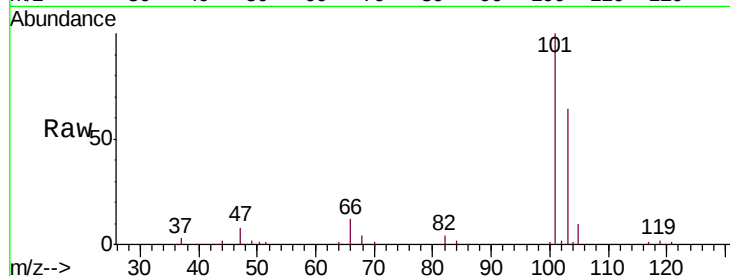


#7

Trichlorofluoromethane
 Concen: 18.734 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX013259.D
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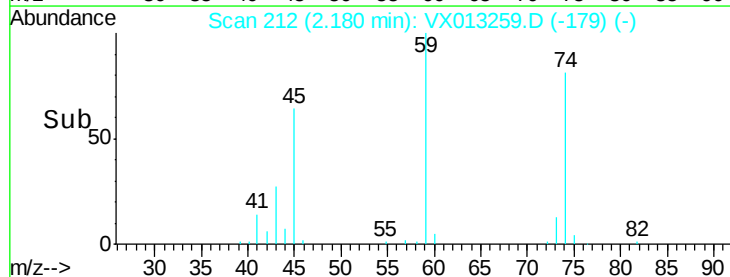
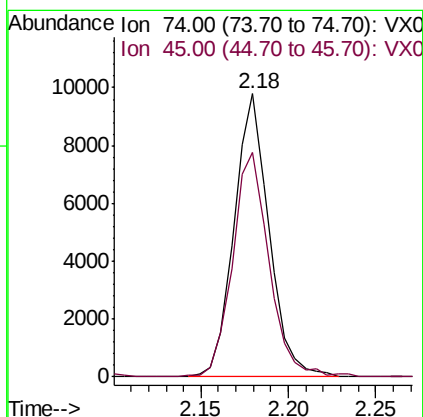
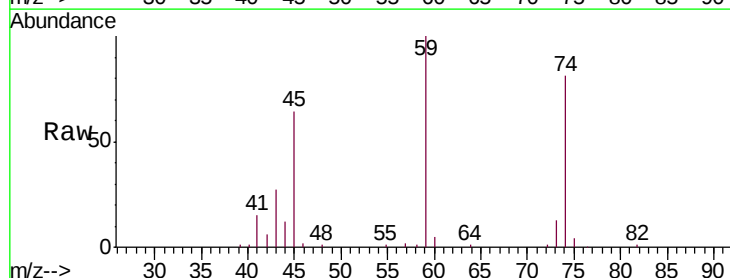
Tgt Ion: 101 Resp: 42698
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.2 75.4

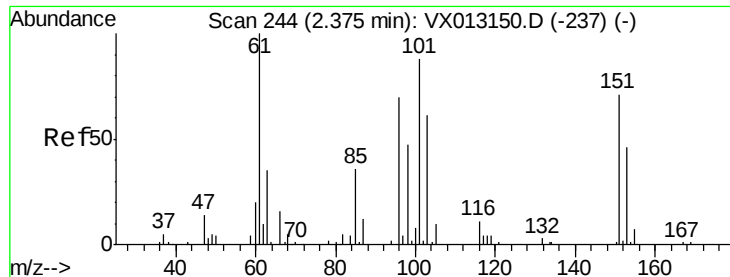


#8

Diethyl Ether
 Concen: 17.490 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion: 74 Resp: 13605
 Ion Ratio Lower Upper
 74 100
 45 82.6 18.4 165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.752 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

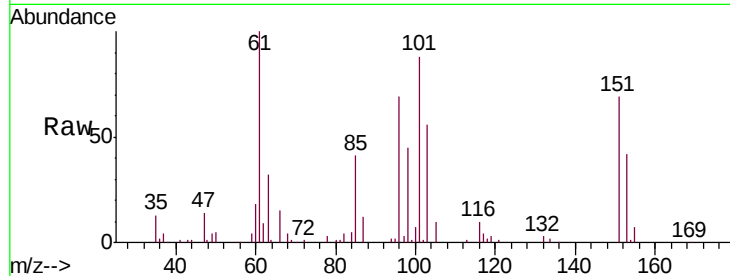
Tgt Ion:101 Resp: 24712

Ion Ratio Lower Upper

101 100

85 42.6 0.0 87.2

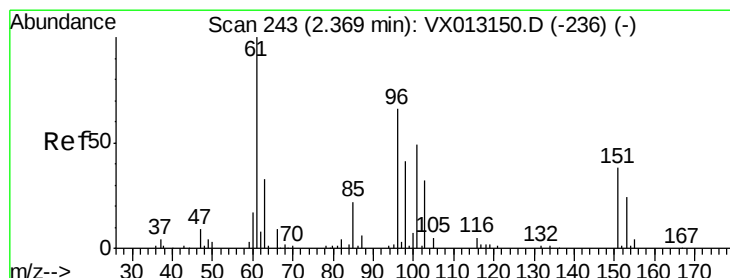
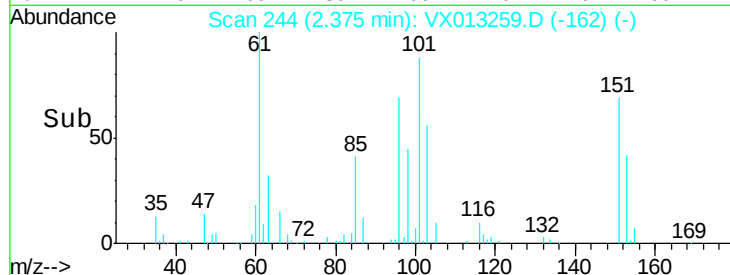
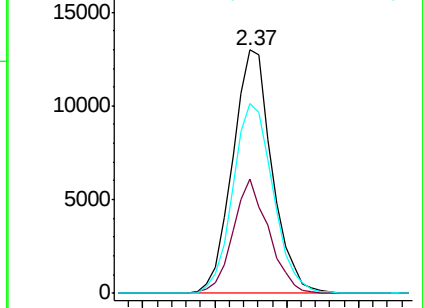
151 79.6 0.0 163.0



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: 17.408 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

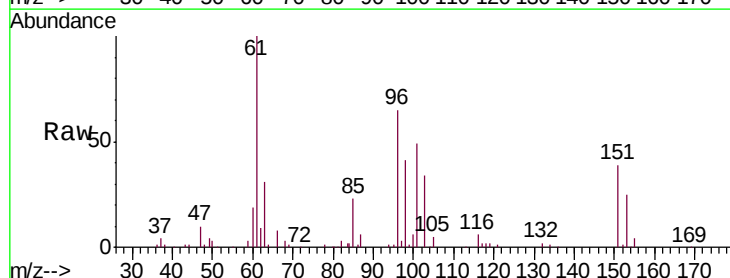
Tgt Ion: 96 Resp: 23404

Ion Ratio Lower Upper

96 100

61 154.0 121.3 181.9

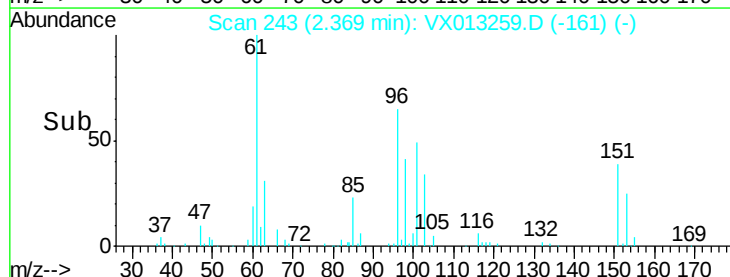
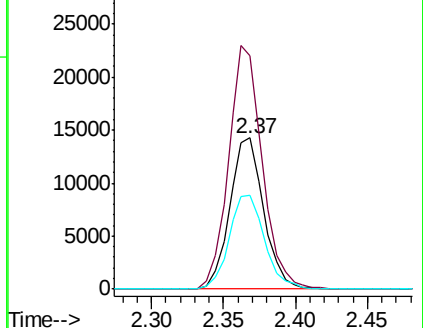
98 62.5 49.5 74.3

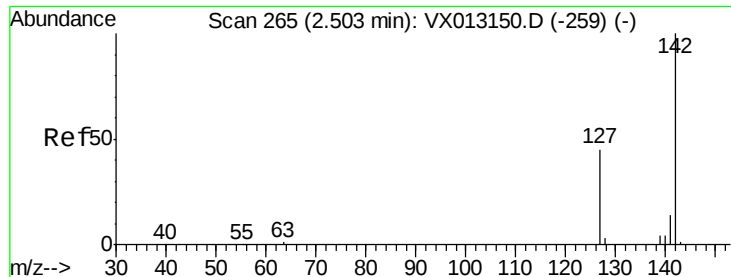


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

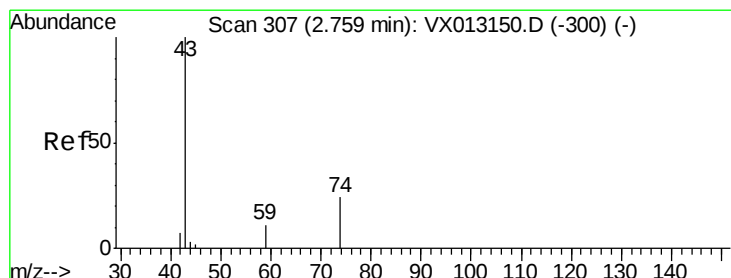
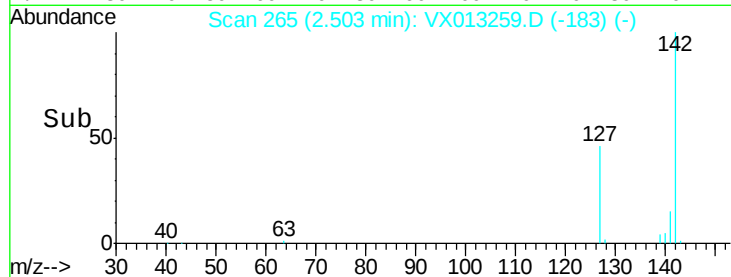
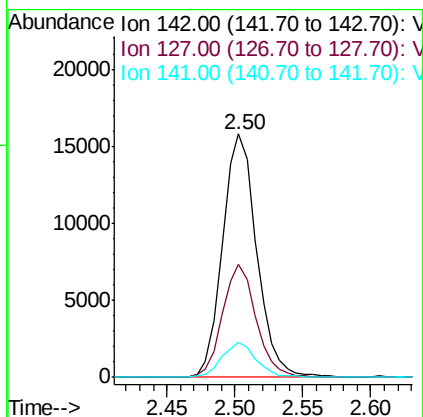
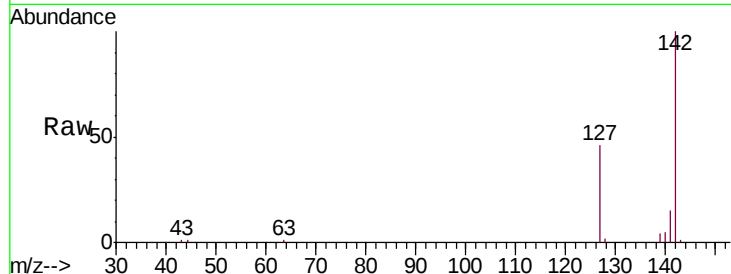




#11
Methyl Iodide
Concen: 15.909 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

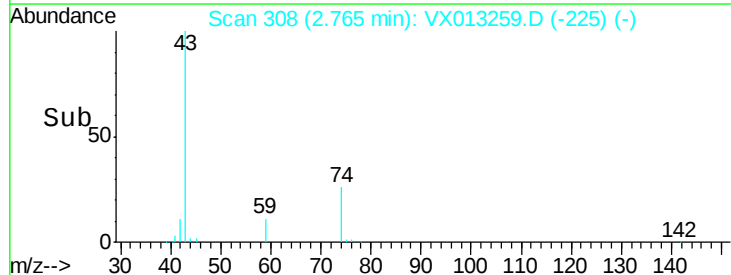
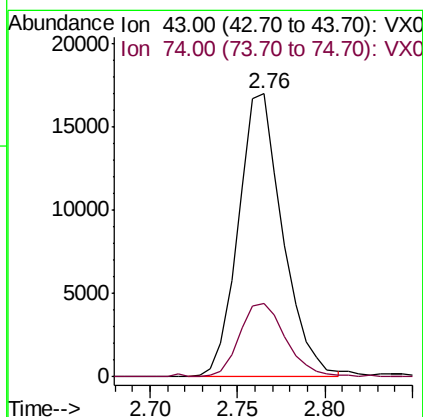
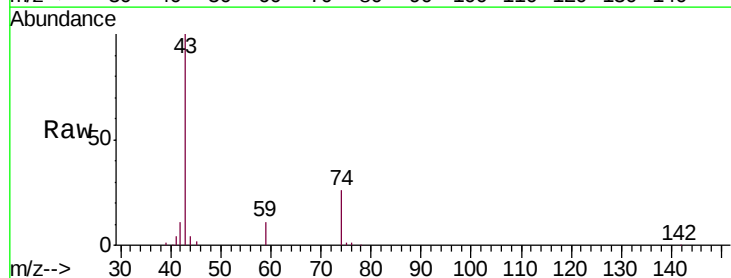
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

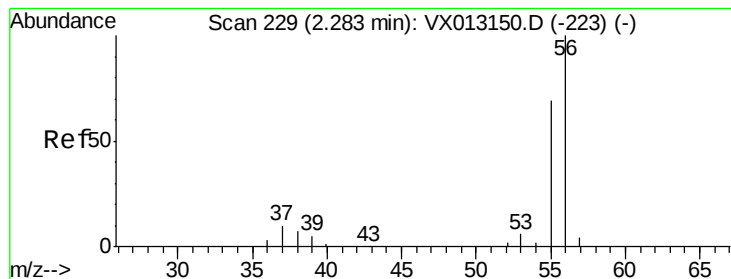
Tgt Ion:142 Resp: 27546
Ion Ratio Lower Upper
142 100
127 46.3 22.3 66.9
141 14.6 7.1 21.3



#12
Methyl Acetate
Concen: 17.276 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Tgt Ion: 43 Resp: 29993
Ion Ratio Lower Upper
43 100
74 25.4 19.7 29.5





#13

Acrolein

Concen: 93.344 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

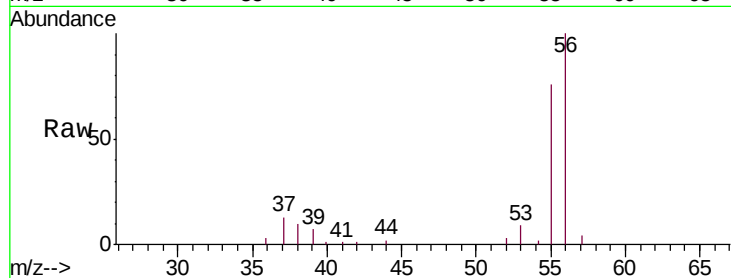
VSTDCCC020EC

Tgt Ion: 56 Resp: 24123

Ion Ratio Lower Upper

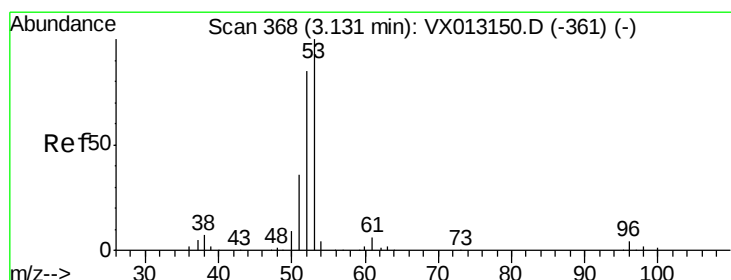
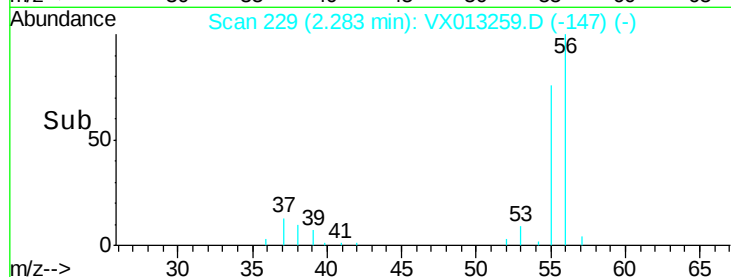
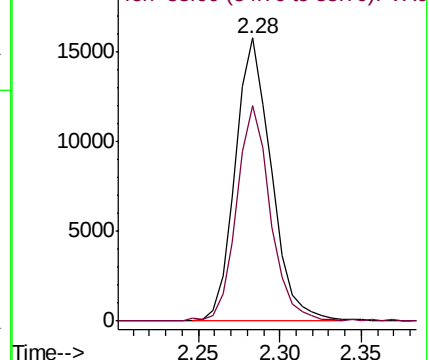
56 100

55 70.8 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 87.585 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

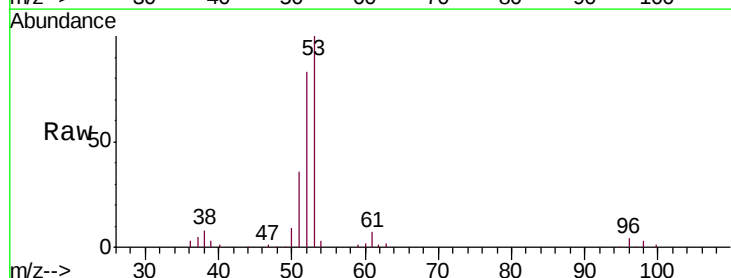
Tgt Ion: 53 Resp: 63590

Ion Ratio Lower Upper

53 100

52 83.8 42.0 126.0

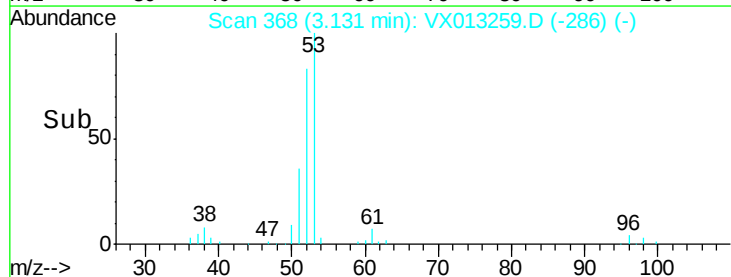
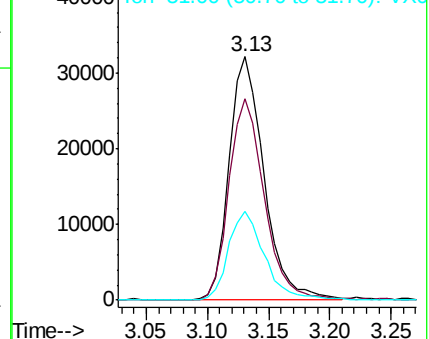
51 36.8 18.6 56.0

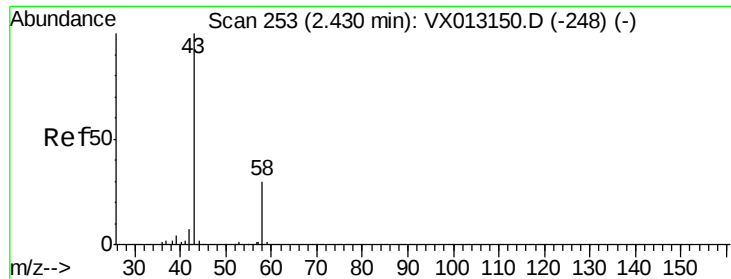


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 78.005 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

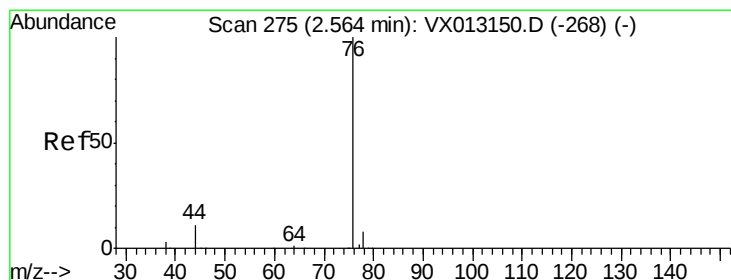
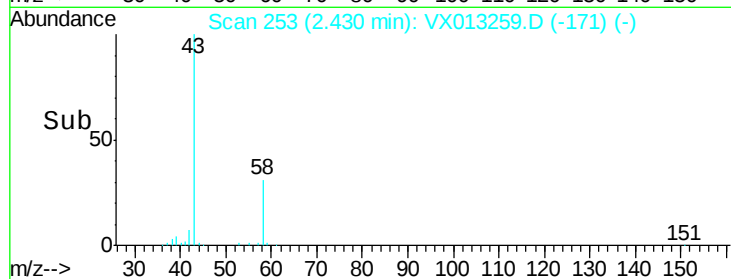
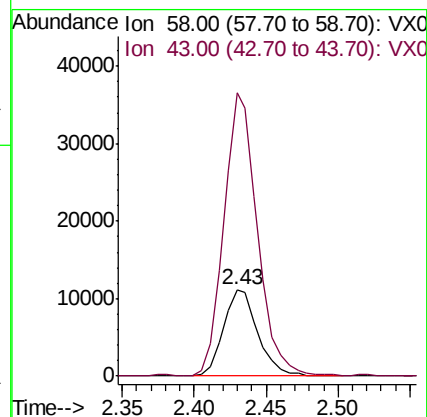
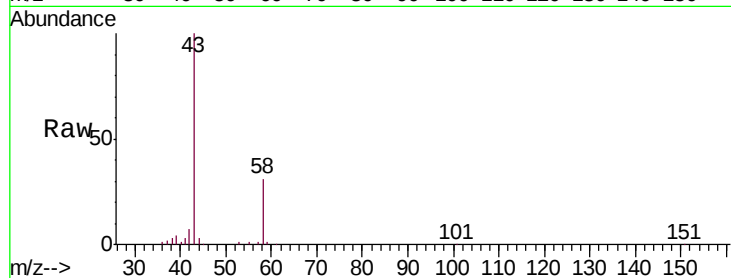
VSTDCCC020EC

Tgt Ion: 58 Resp: 18659

Ion Ratio Lower Upper

58 100

43 326.5 262.8 394.2



#16

Carbon Disulfide

Concen: 16.490 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX013259.D

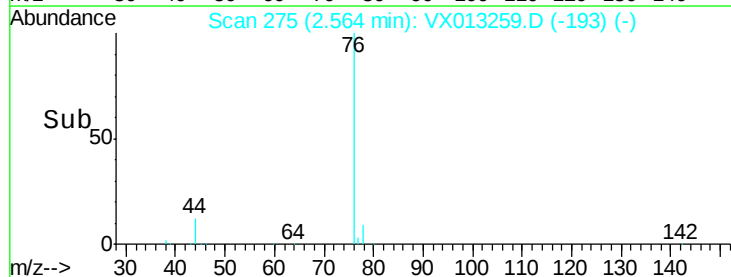
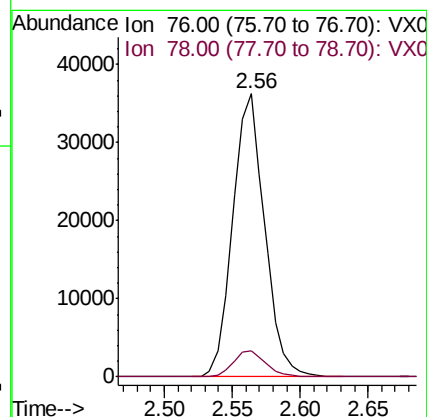
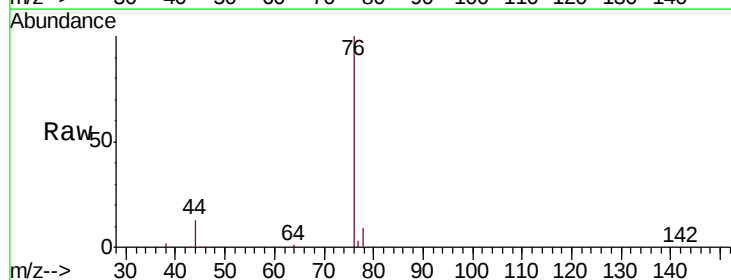
Acq: 28 Oct 2019 19:37

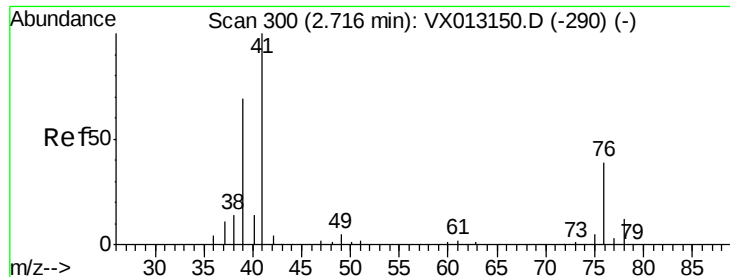
Tgt Ion: 76 Resp: 59201

Ion Ratio Lower Upper

76 100

78 9.1 6.6 10.0





#17

Allyl chloride

Concen: 16.651 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

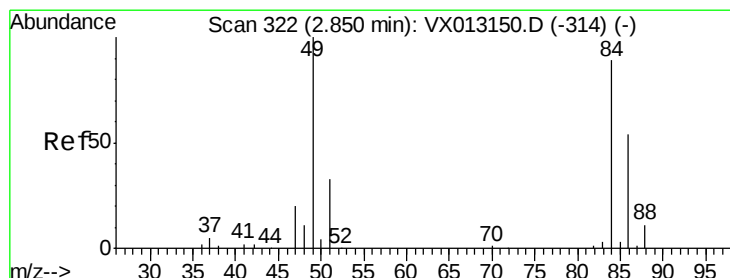
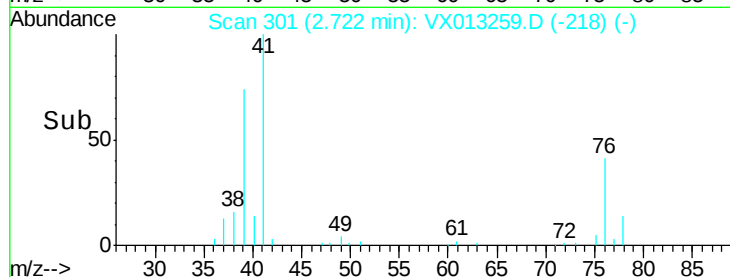
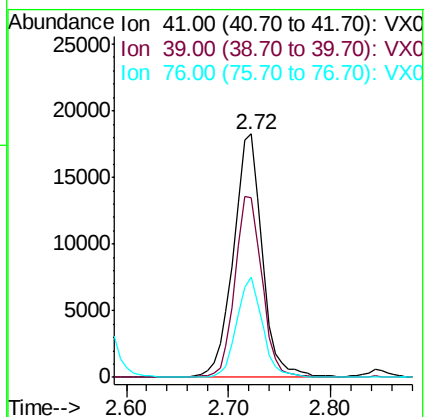
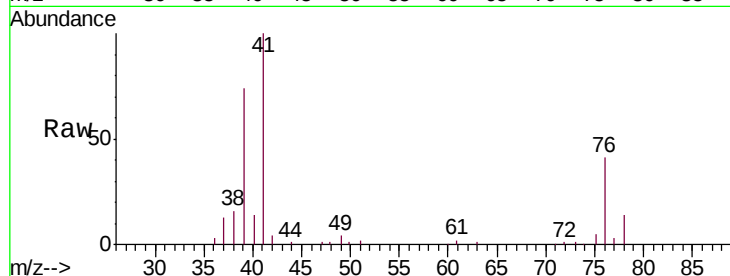
Tgt Ion: 41 Resp: 35609

Ion Ratio Lower Upper

41 100

39 74.0 34.7 104.1

76 41.4 19.7 59.0



#18

Methylene Chloride

Concen: 17.086 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Tgt Ion: 84 Resp: 26598

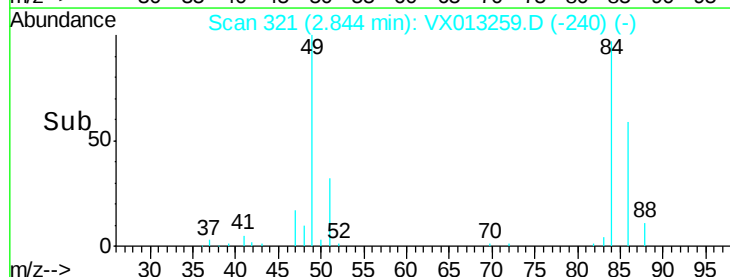
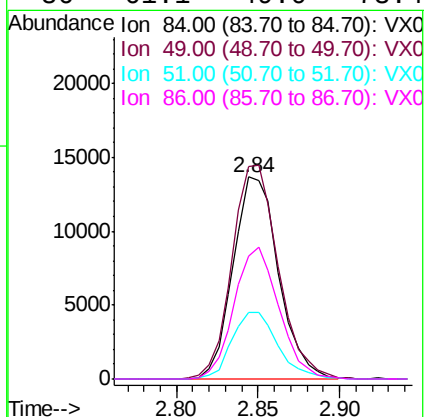
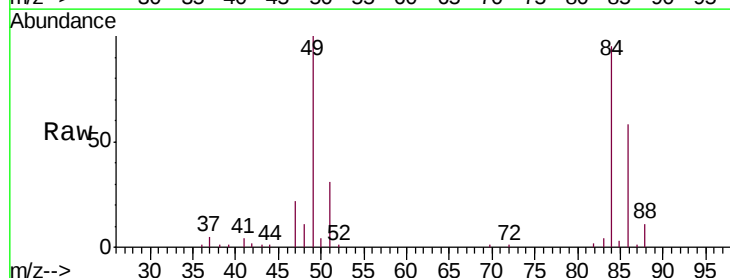
Ion Ratio Lower Upper

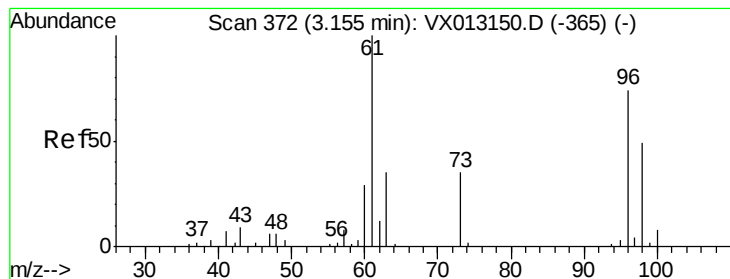
84 100

49 104.3 90.3 135.5

51 32.7 29.9 44.9

86 61.1 49.0 73.4





#19

trans-1,2-Dichloroethene

Concen: 17.518 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

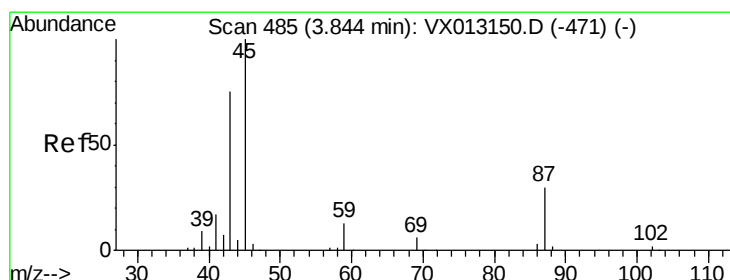
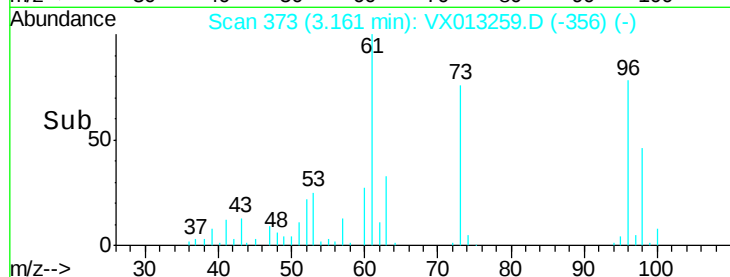
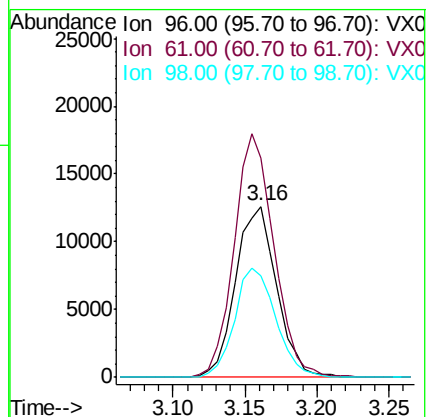
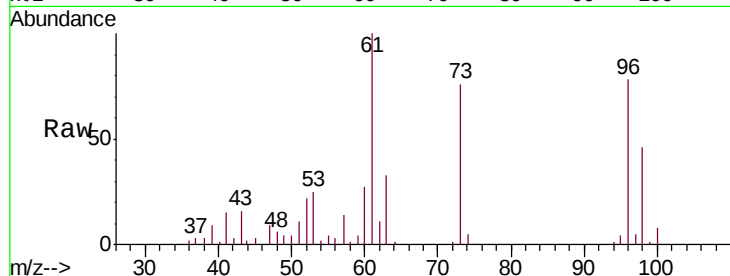
Tgt Ion: 96 Resp: 24991

Ion Ratio Lower Upper

96 100

61 128.2 108.6 162.8

98 59.0 53.4 80.0



#20

Diisopropyl ether

Concen: 17.433 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Tgt Ion: 45 Resp: 72103

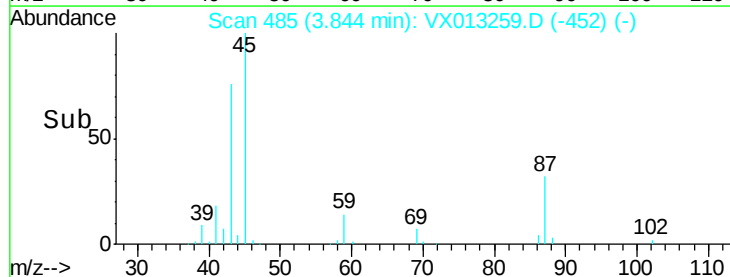
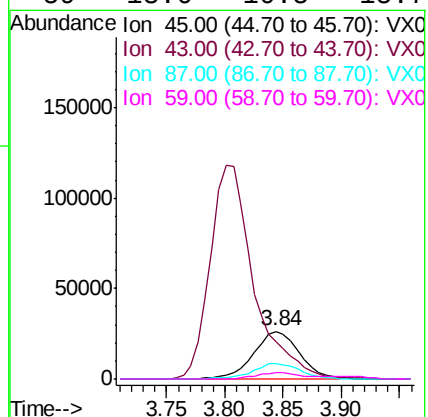
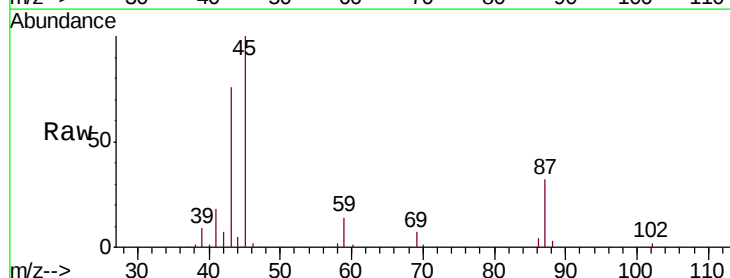
Ion Ratio Lower Upper

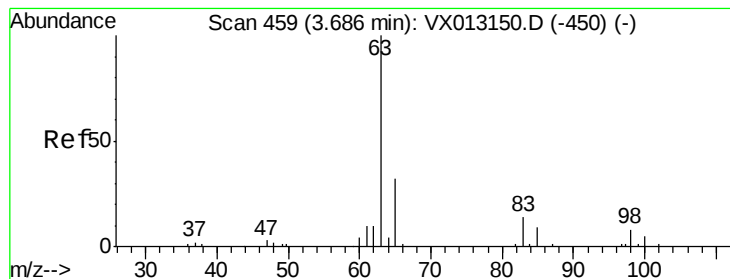
45 100

43 73.1 60.6 91.0

87 32.0 24.2 36.2

59 13.6 10.5 15.7





#21

1,1-Dichloroethane

Concen: 17.822 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

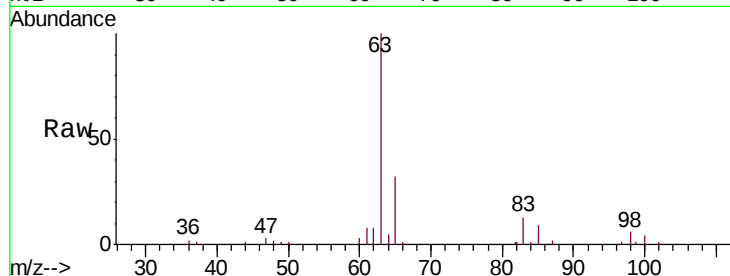
Tgt Ion: 63 Resp: 44756

Ion Ratio Lower Upper

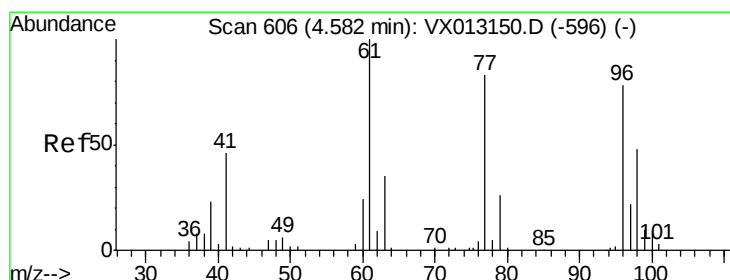
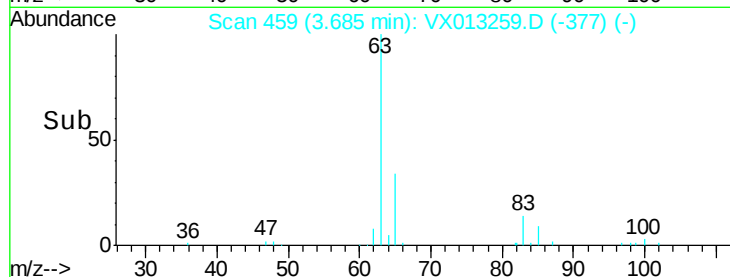
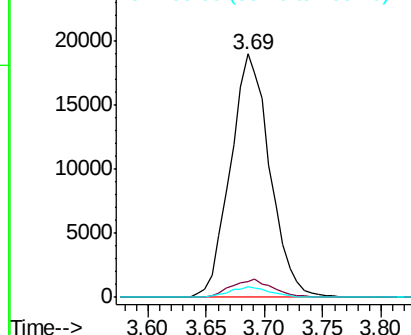
63 100

98 7.1 4.2 12.4

100 4.5 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: 17.703 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

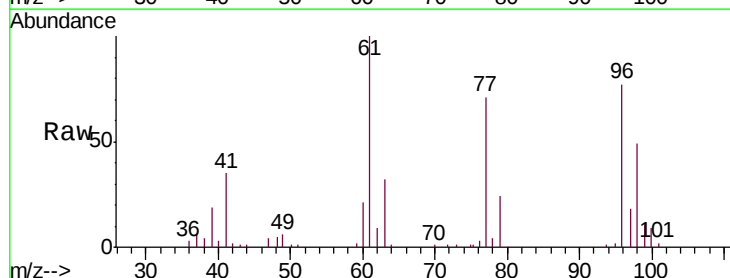
Tgt Ion: 96 Resp: 28799

Ion Ratio Lower Upper

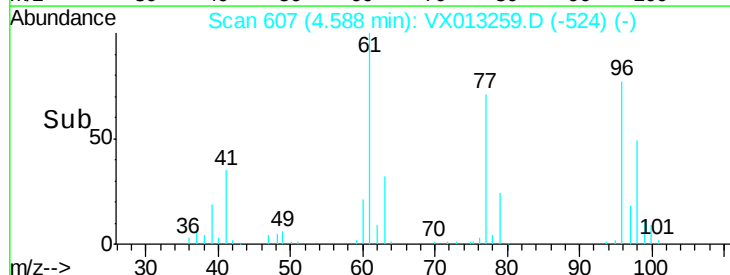
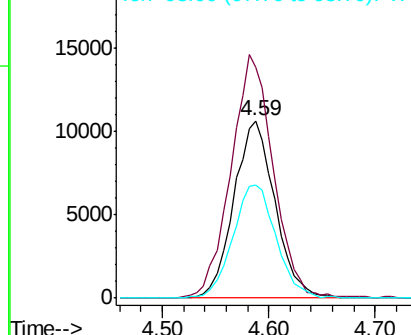
96 100

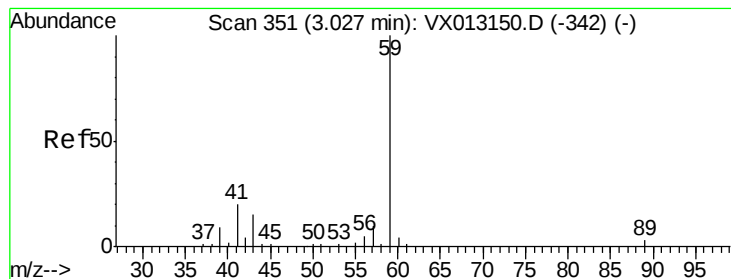
61 140.8 112.5 168.7

98 66.4 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: 80.619 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

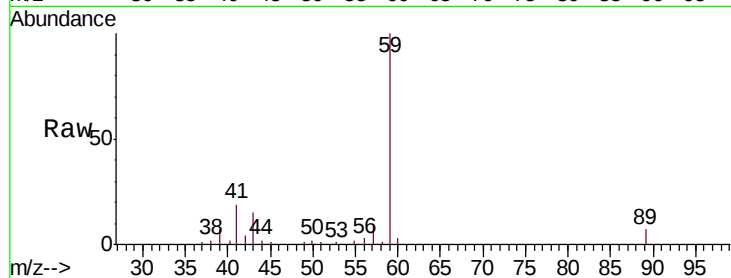
VSTDCCC020EC

Tgt Ion: 59 Resp: 30838

Ion Ratio Lower Upper

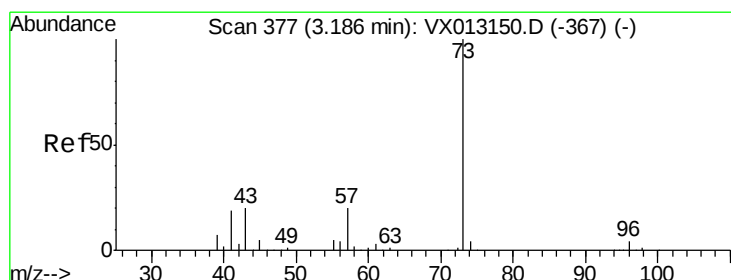
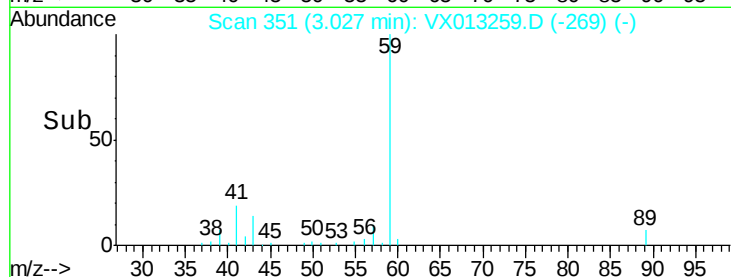
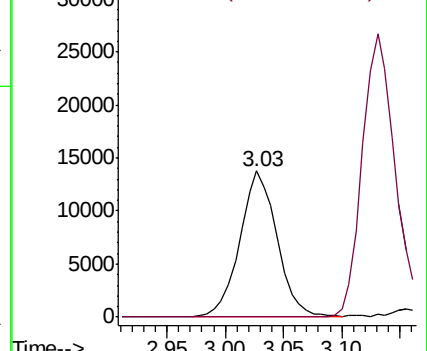
59 100

52 0.0 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: 18.175 ug/l

RT: 3.19 min Scan# 377

Delta R.T. -0.00 min

Lab File: VX013259.D

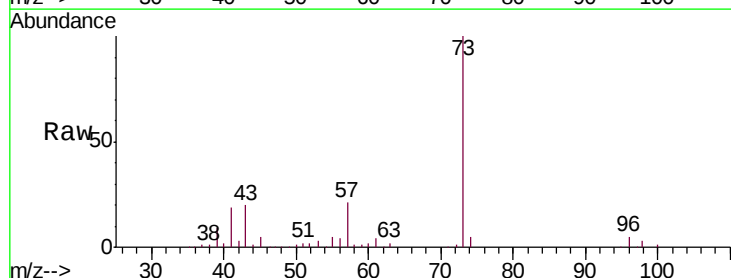
Acq: 28 Oct 2019 19:37

Tgt Ion: 73 Resp: 84269

Ion Ratio Lower Upper

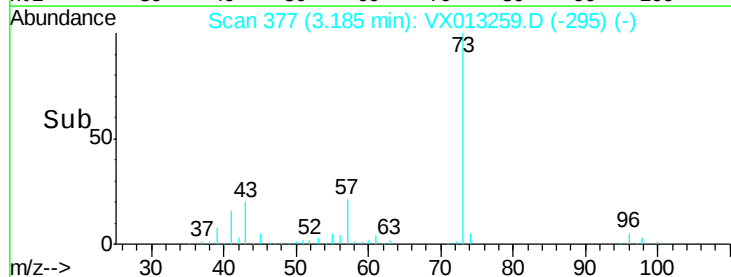
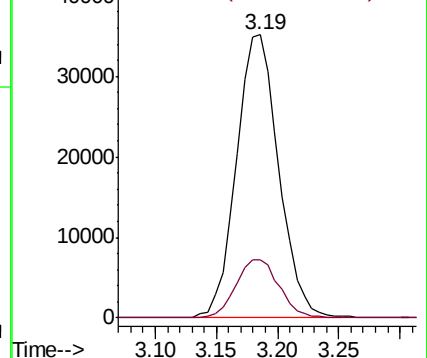
73 100

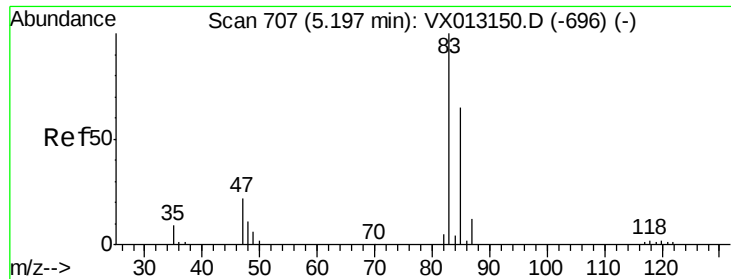
43 20.9 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 18.893 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

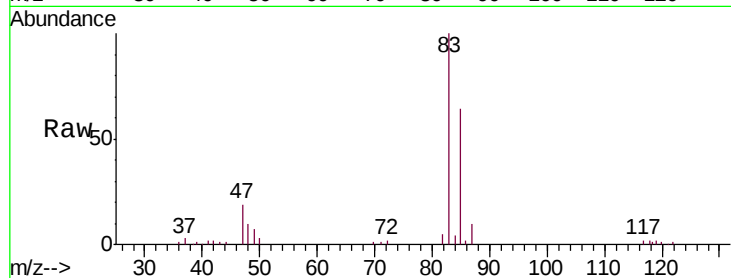
VSTDCCC020EC

Tgt Ion: 83 Resp: 49858

Ion Ratio Lower Upper

83 100

85 64.2 52.0 78.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

5.20

15000

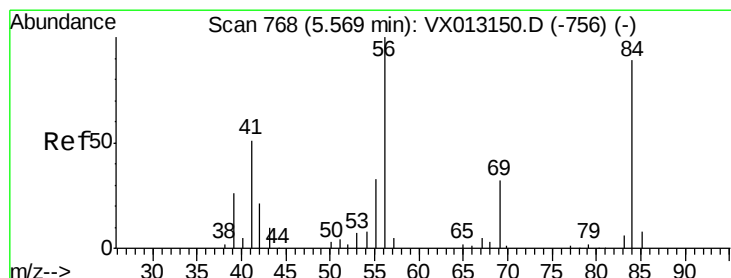
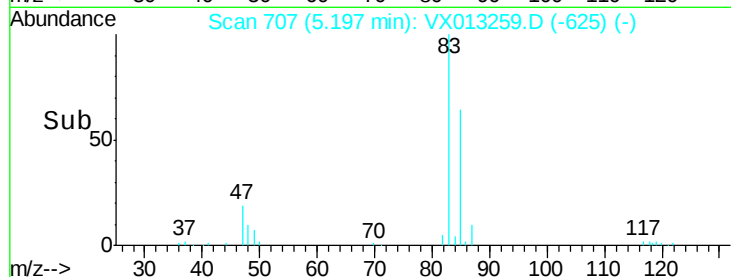
10000

5000

0

Time-->

5.10 5.20 5.30



#26

Cyclohexane

Concen: 16.849 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

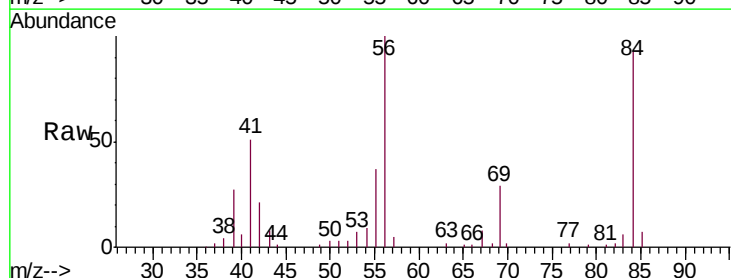
Tgt Ion: 56 Resp: 37128

Ion Ratio Lower Upper

56 100

89 0.0 0.2 0.2#

84 95.8 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

5.57

15000

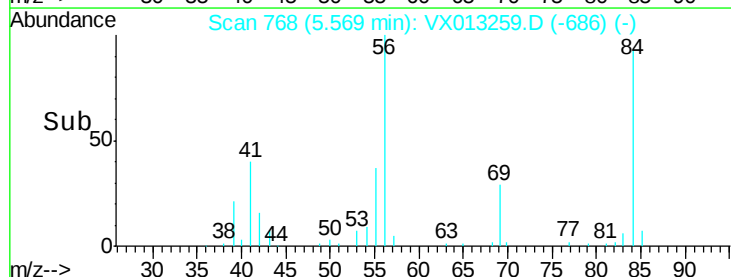
10000

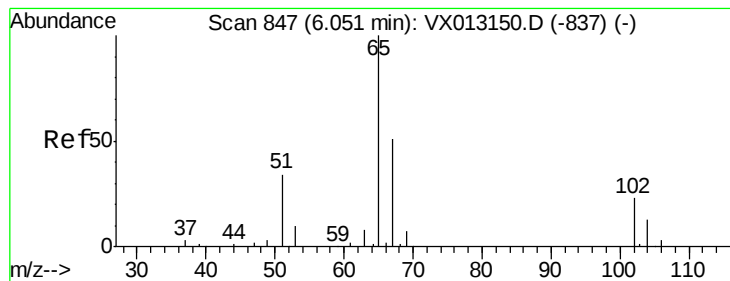
5000

0

Time-->

5.45 5.50 5.55 5.60 5.65



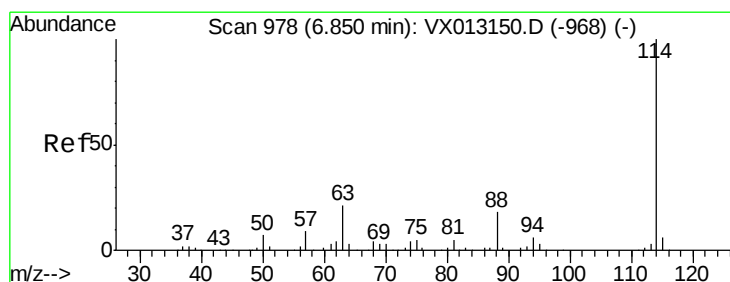
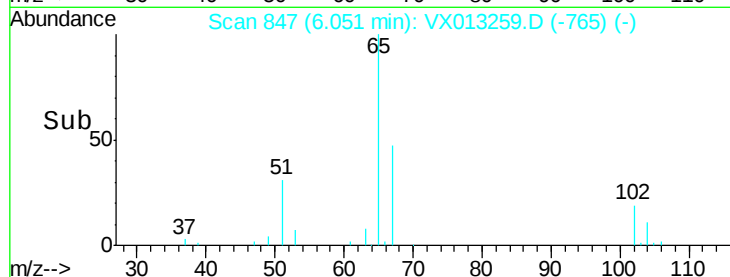
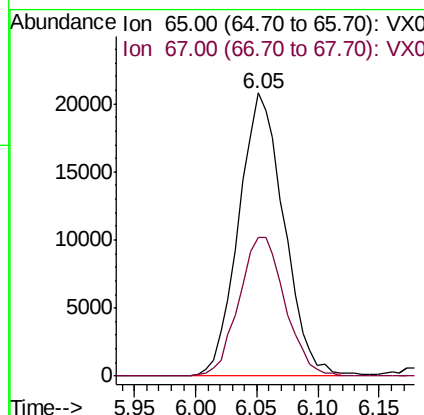
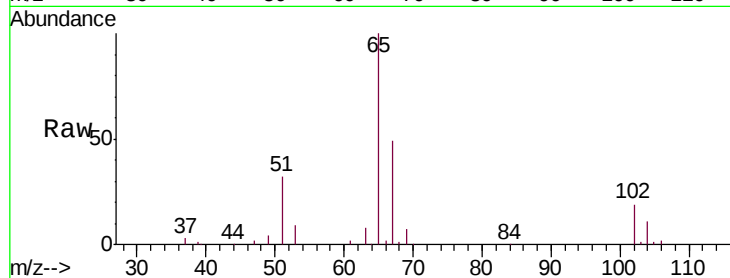


#27

1,2-Dichloroethane-d4
Concen: 30.929 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

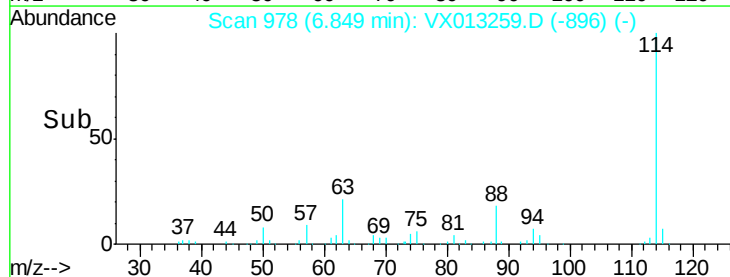
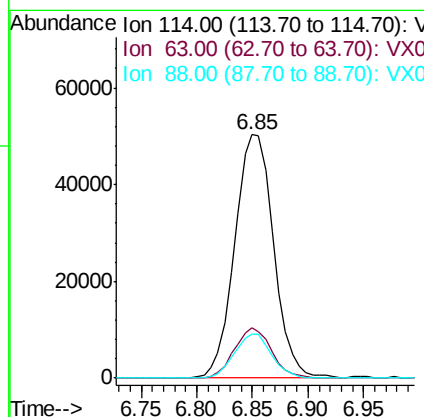
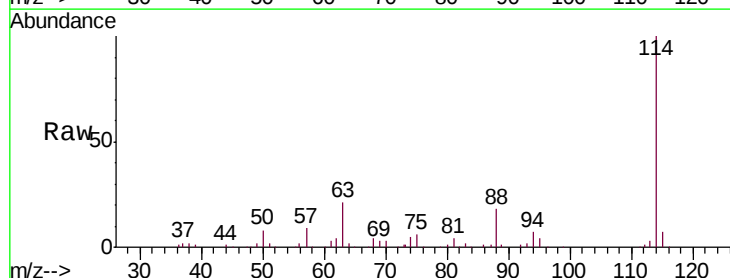
Tgt Ion: 65 Resp: 53358
Ion Ratio Lower Upper
65 100
67 50.1 42.2 63.4

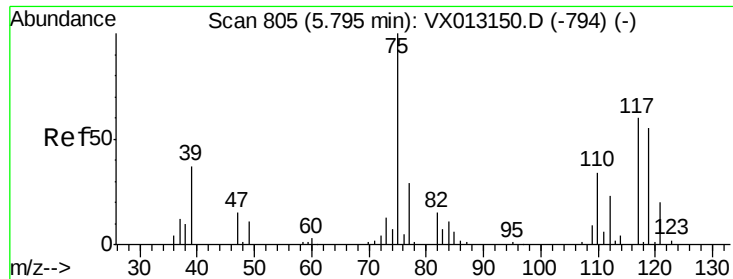


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Tgt Ion: 114 Resp: 122103
Ion Ratio Lower Upper
114 100
63 19.7 16.1 24.1
88 17.5 13.7 20.5

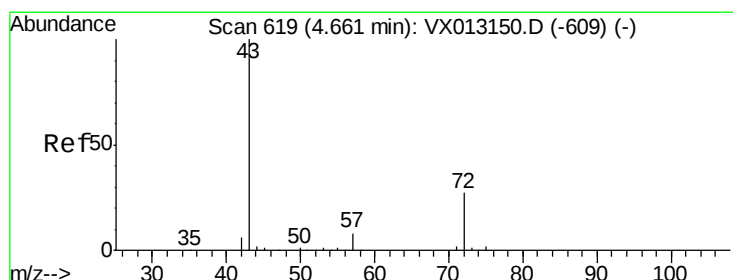
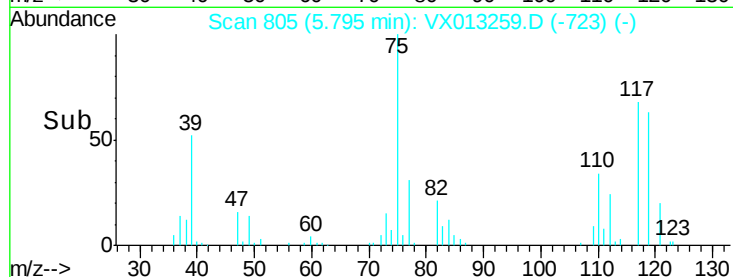
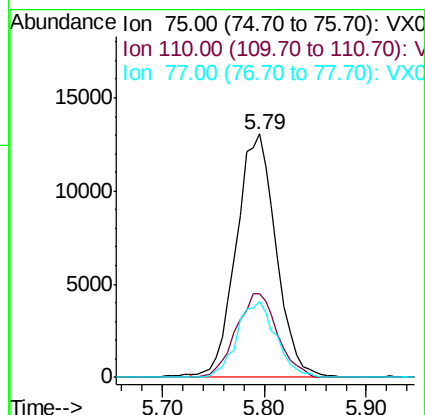
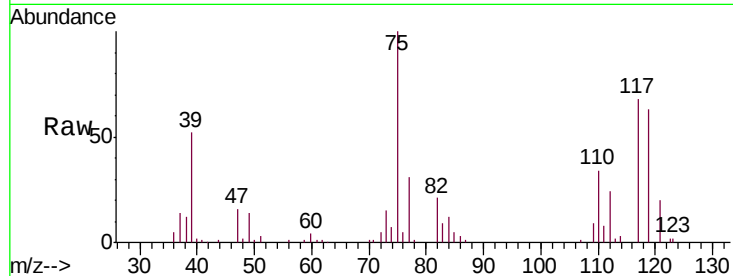




#29
 1,1-Dichloropropene
 Concen: 18.633 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

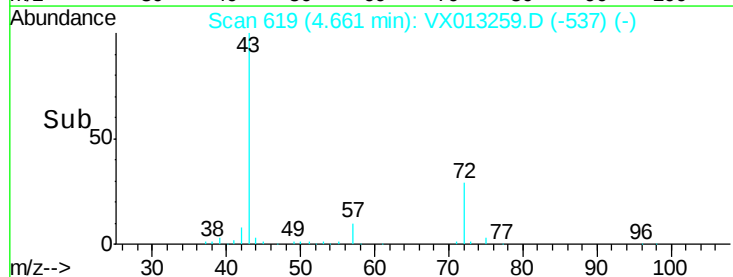
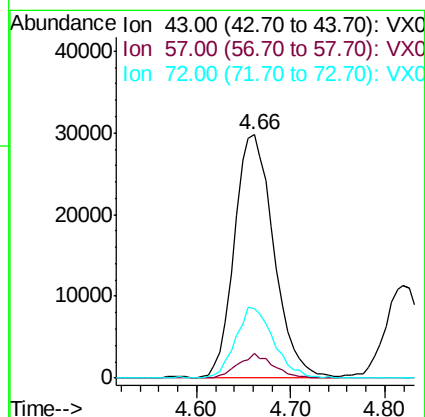
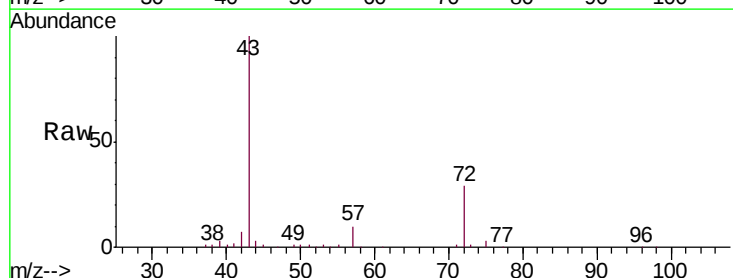
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

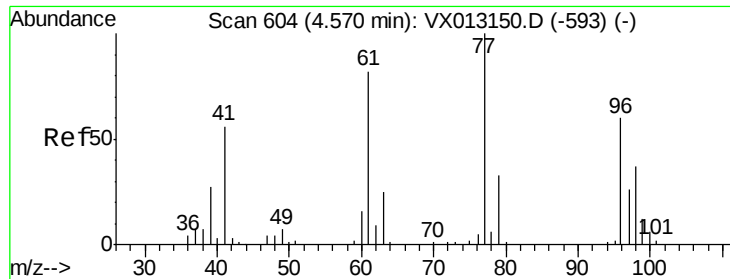
Tgt Ion: 75 Resp: 35345
 Ion Ratio Lower Upper
 75 100
 110 35.9 0.0 68.4
 77 30.4 0.0 30.8



#30
 2-Butanone
 Concen: 87.616 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion: 43 Resp: 87178
 Ion Ratio Lower Upper
 43 100
 57 8.9 7.0 10.6
 72 28.1 23.4 35.2

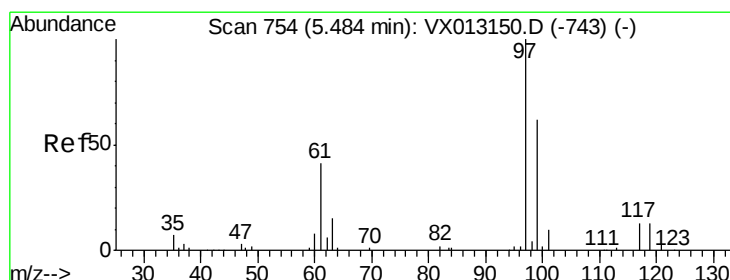
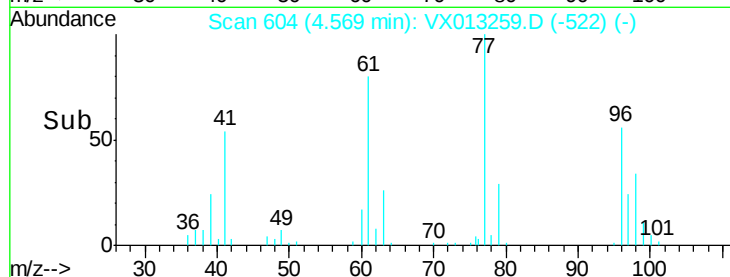
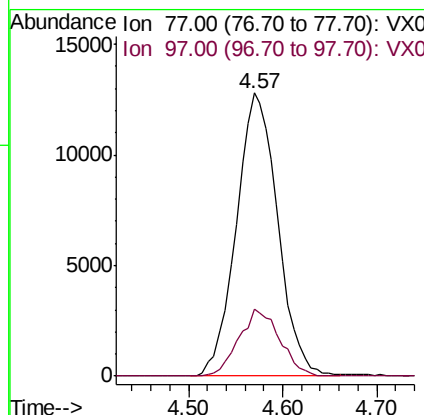
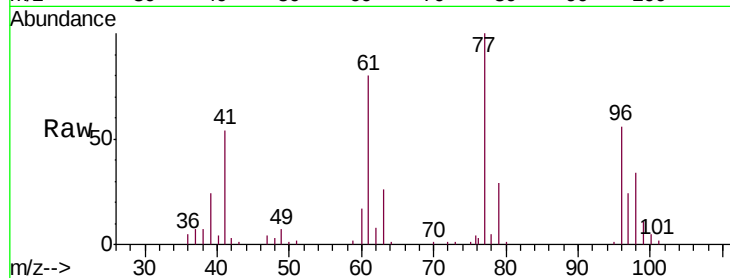




#31
 2,2-Dichloropropane
 Concen: 17.917 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

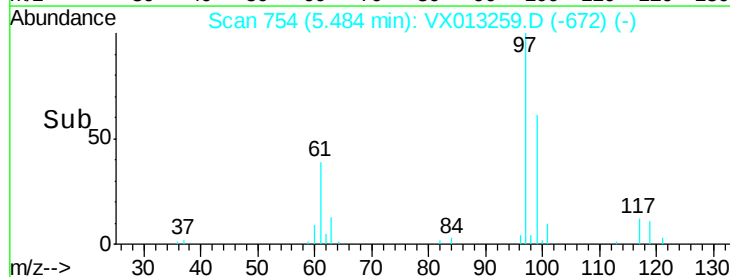
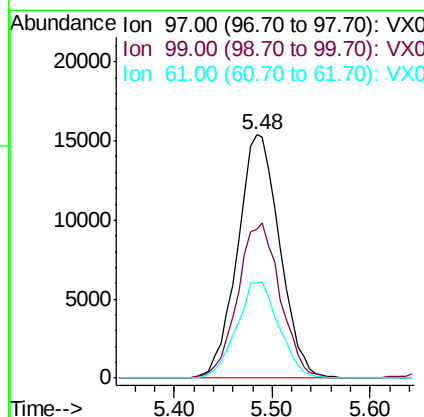
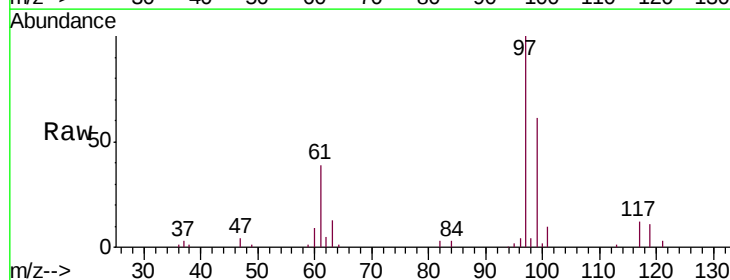
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

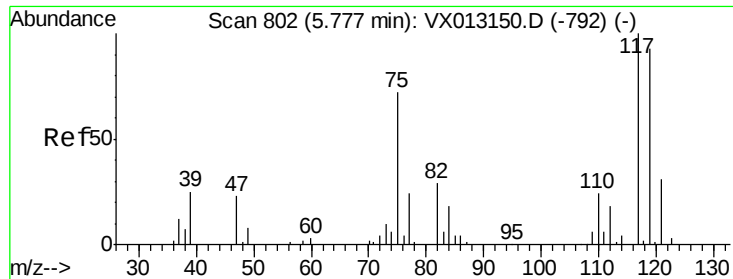
Tgt Ion: 77 Resp: 39294
 Ion Ratio Lower Upper
 77 100
 97 23.2 19.1 28.7



#32
 1,1,1-Trichloroethane
 Concen: 20.097 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion: 97 Resp: 46129
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.8 77.8
 61 39.8 33.5 50.3

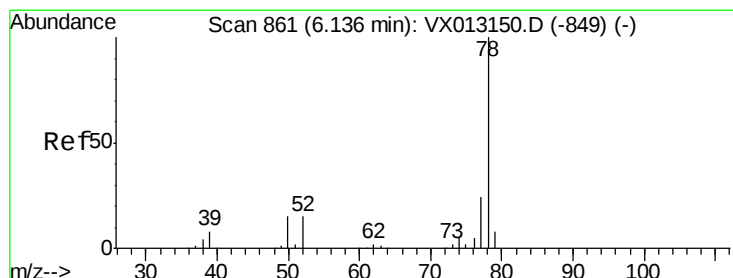
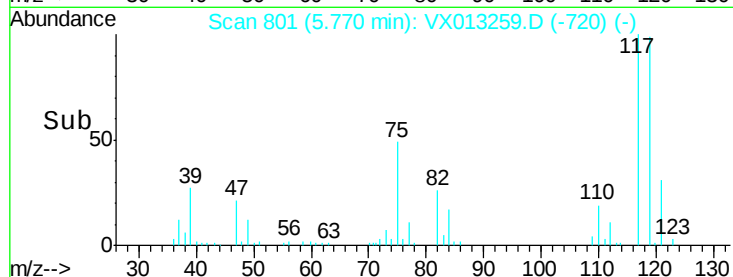
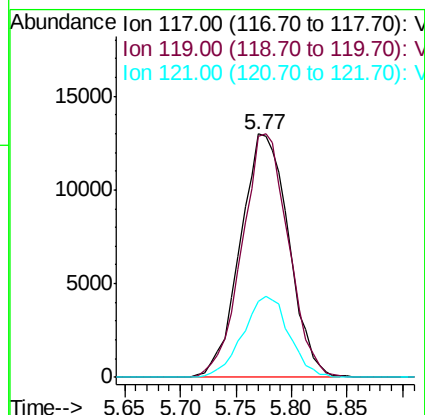
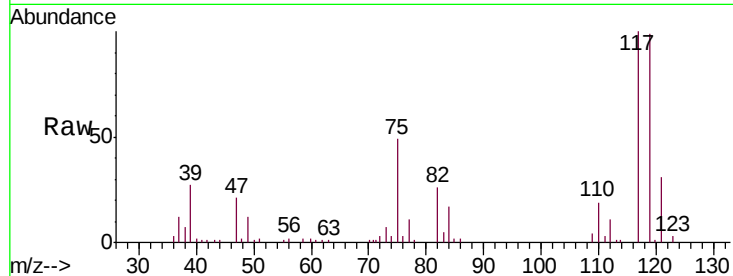




#33
Carbon Tetrachloride
Concen: 19.842 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

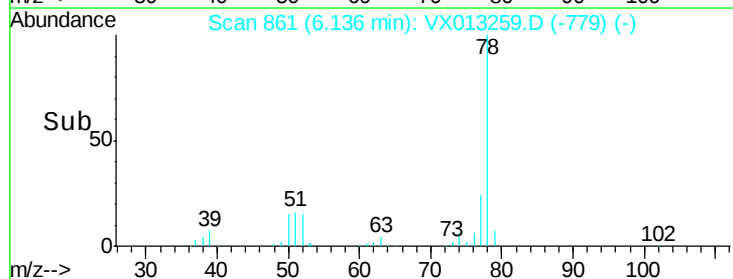
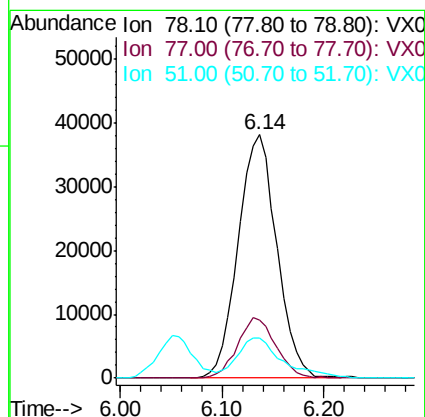
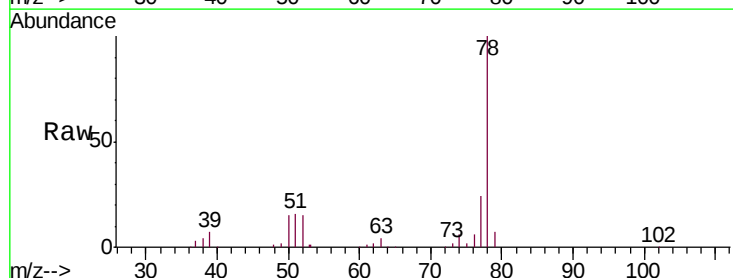
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

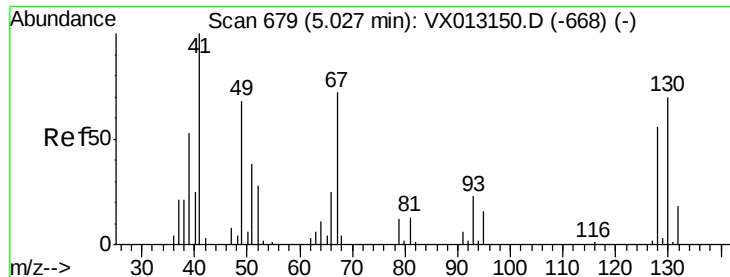
Tgt Ion:117 Resp: 39144
Ion Ratio Lower Upper
117 100
119 99.0 74.9 112.3
121 31.4 25.0 37.4



#34
Benzene
Concen: 18.409 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Tgt Ion: 78 Resp: 100531
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9
51 15.5 11.4 17.2

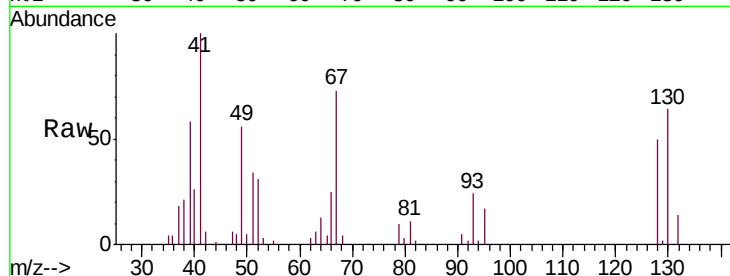




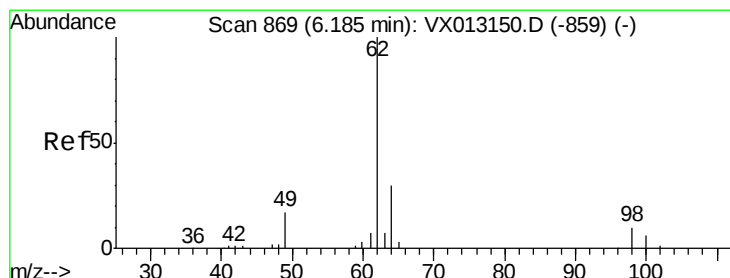
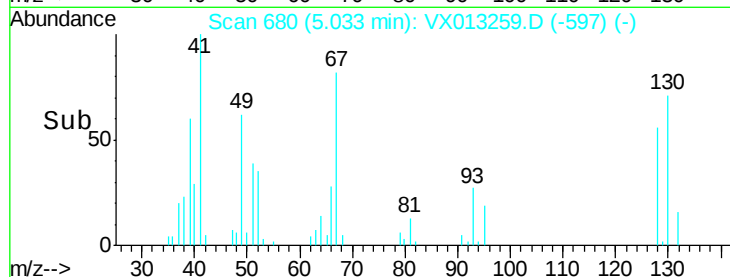
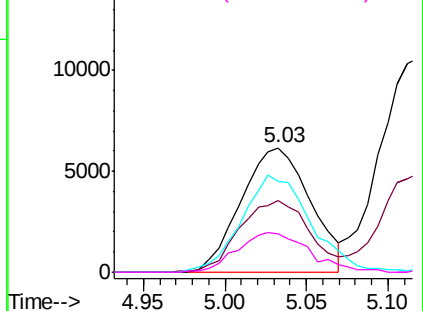
#35
Methacrylonitrile
Concen: 17.880 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 41 Resp: 18245
Ion Ratio Lower Upper
41 100
39 56.9 26.3 78.9
67 71.0 35.8 107.4
52 29.8 14.1 42.3

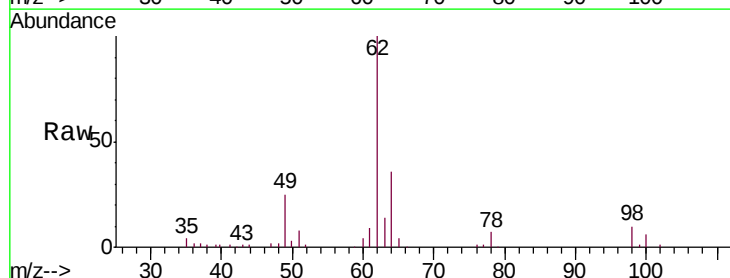


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

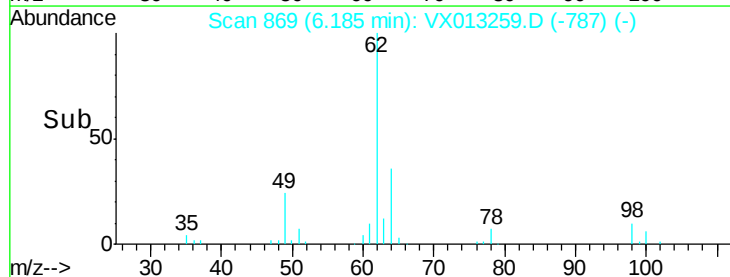
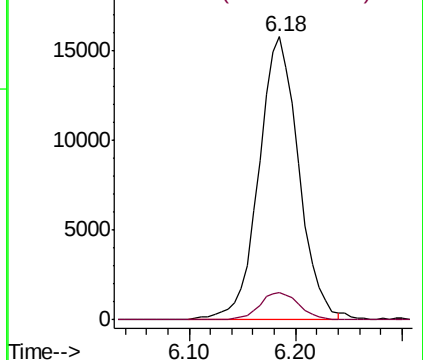


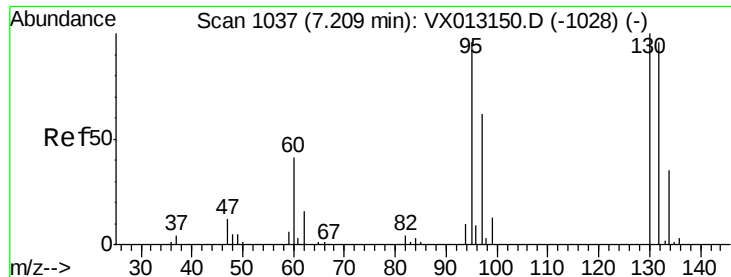
#36
1,2-Dichloroethane
Concen: 20.031 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Tgt Ion: 62 Resp: 41349
Ion Ratio Lower Upper
62 100
98 9.5 8.0 12.0



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

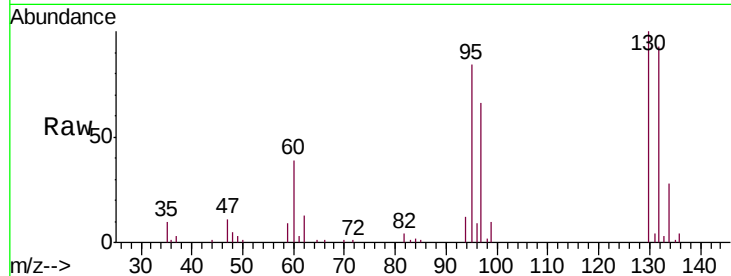




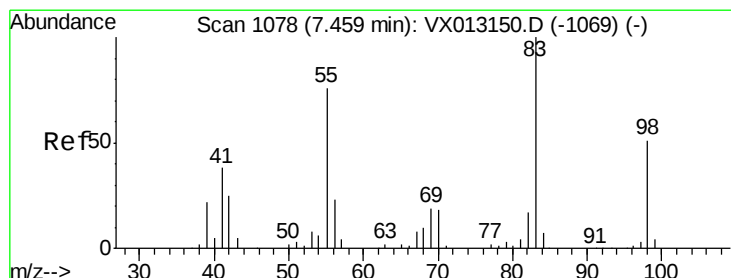
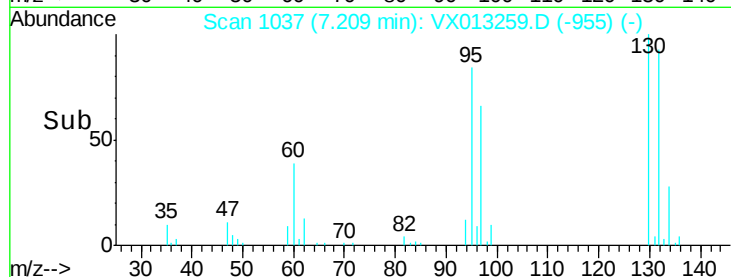
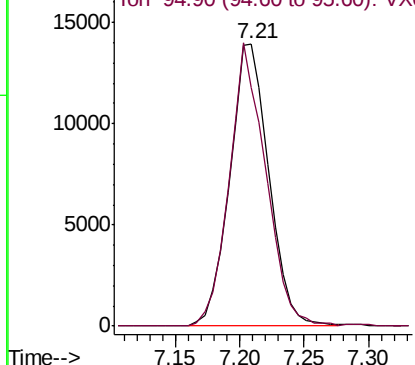
#37
 Trichloroethene
 Concen: 19.370 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:130 Resp: 29339
 Ion Ratio Lower Upper
 130 100
 95 84.5 77.0 115.6

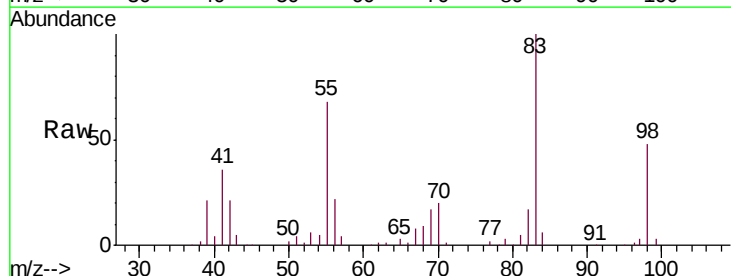


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

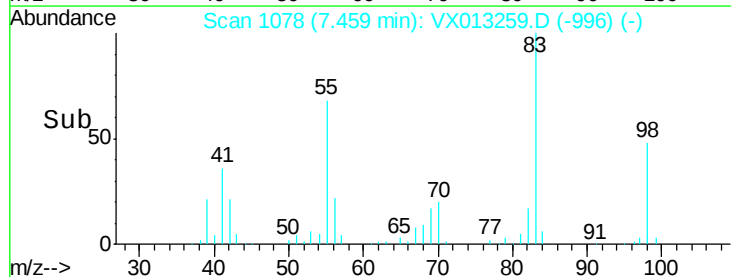
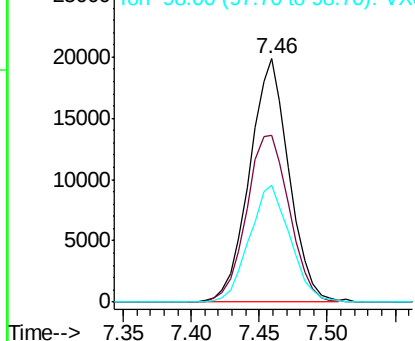


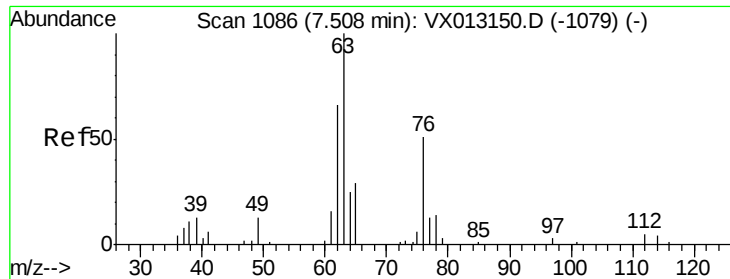
#38
 Methylcyclohexane
 Concen: 17.461 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion: 83 Resp: 40393
 Ion Ratio Lower Upper
 83 100
 55 74.3 37.5 112.5
 98 49.7 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

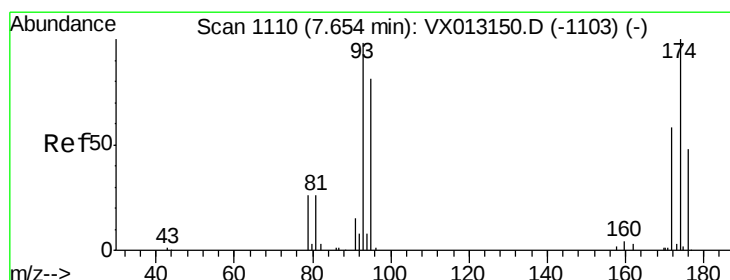
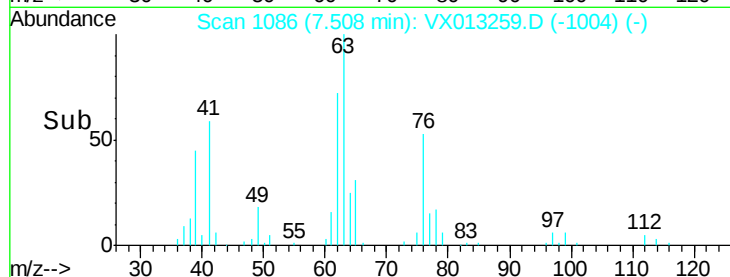
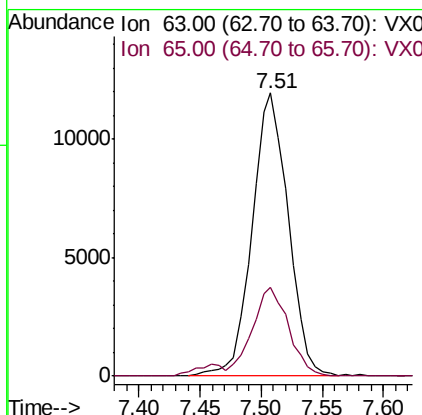
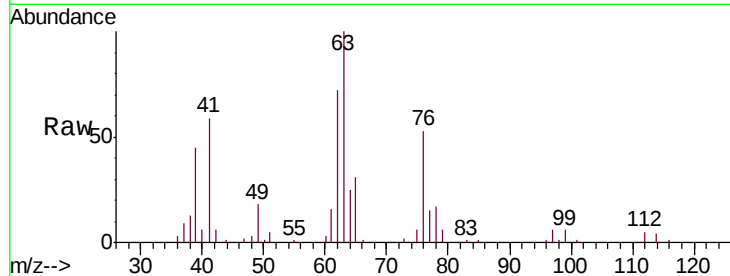




#39
 1,2-Dichloropropane
 Concen: 18.326 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

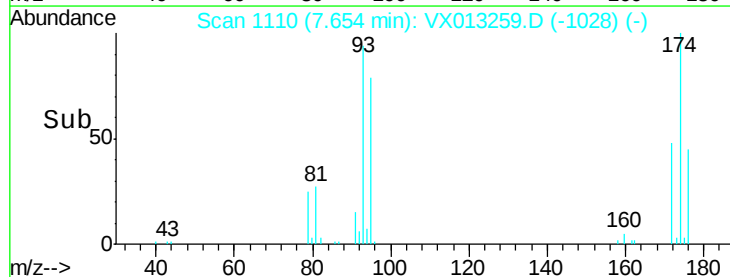
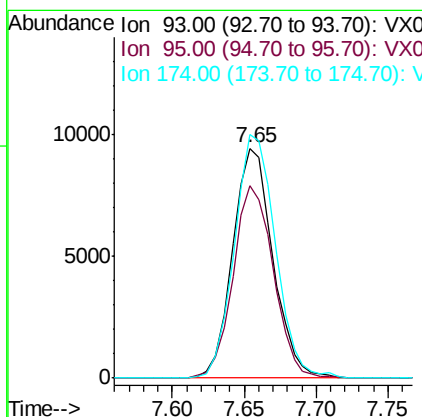
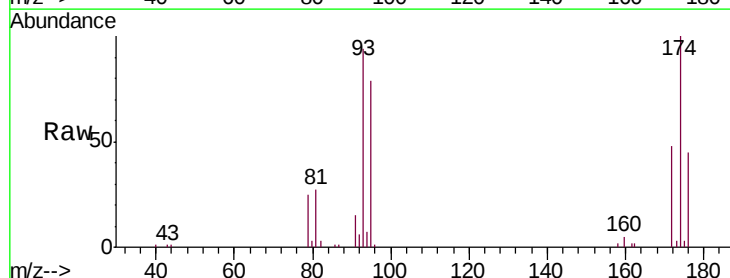
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

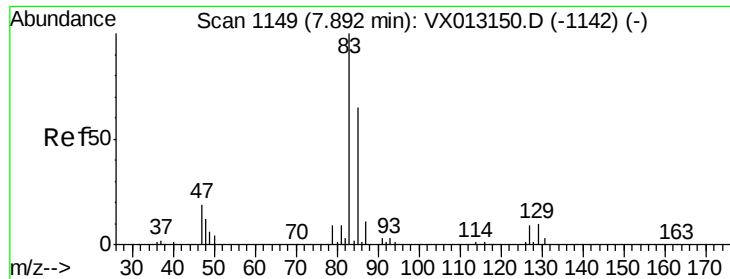
Tgt Ion: 63 Resp: 24563
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.8 37.2



#40
 Dibromomethane
 Concen: 19.116 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion: 93 Resp: 18302
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 166.0
 174 107.6 0.0 208.8





#41

Bromodichloromethane

Concen: 19.006 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

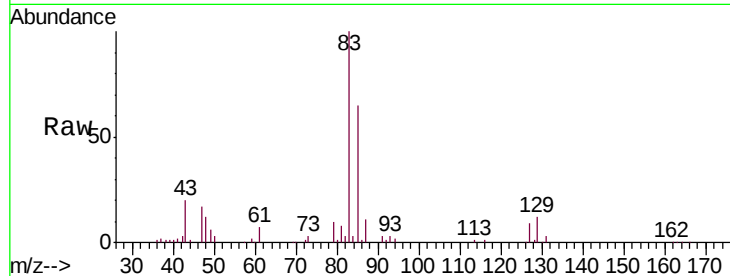
Tgt Ion: 83 Resp: 36690

Ion Ratio Lower Upper

83 100

85 65.2 52.1 78.1

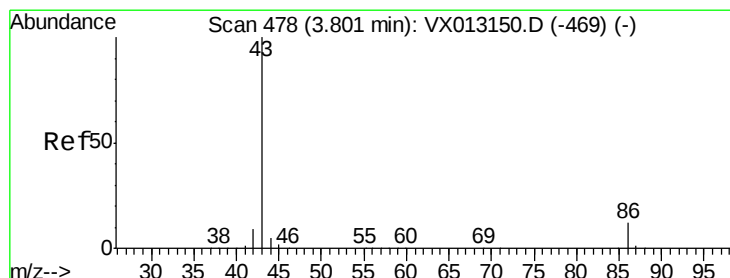
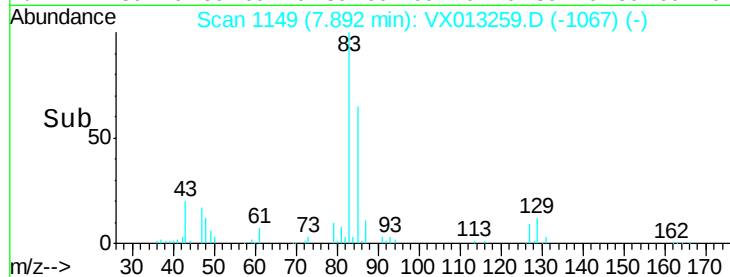
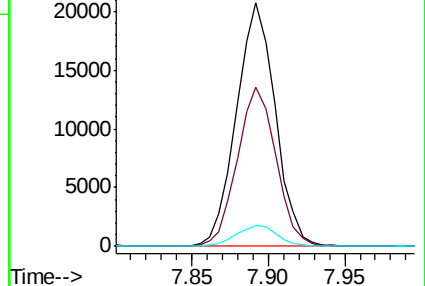
127 8.6 7.5 11.3



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: 88.851 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013259.D

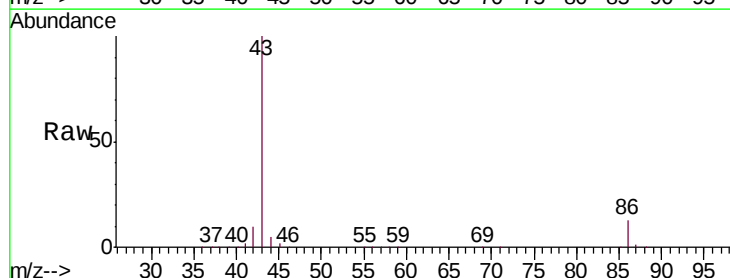
Acq: 28 Oct 2019 19:37

Tgt Ion: 43 Resp: 306571

Ion Ratio Lower Upper

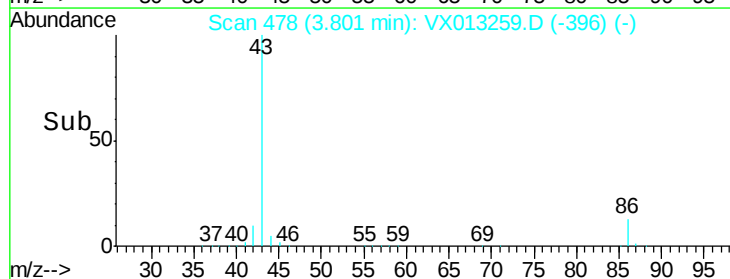
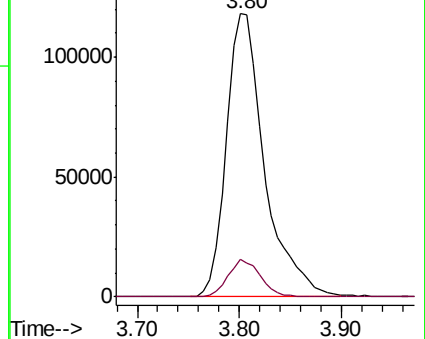
43 100

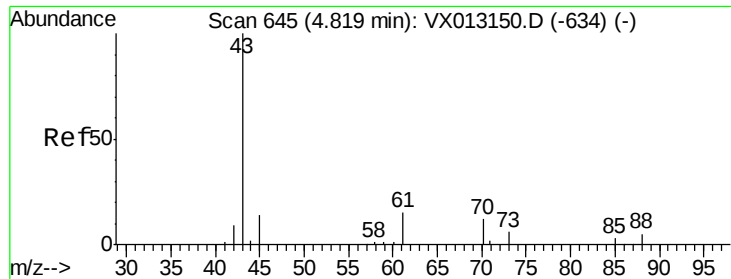
86 11.3 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 18.437 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

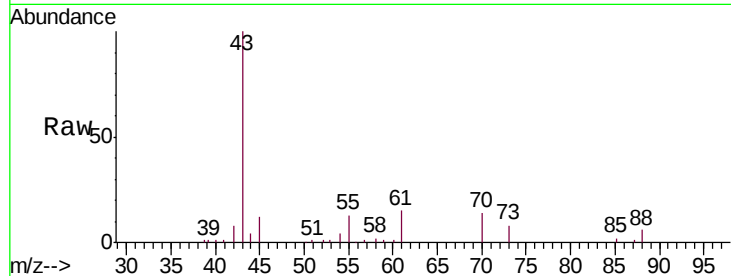
VSTDCCC020EC

Tgt Ion: 43 Resp: 33459

Ion Ratio Lower Upper

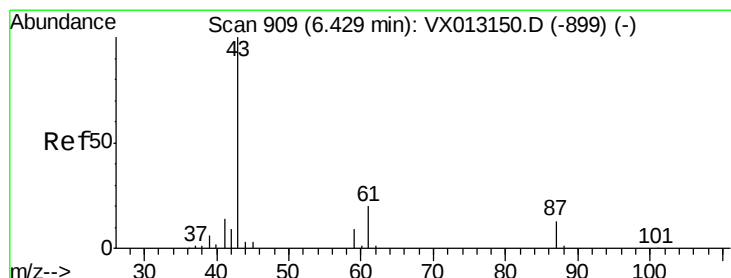
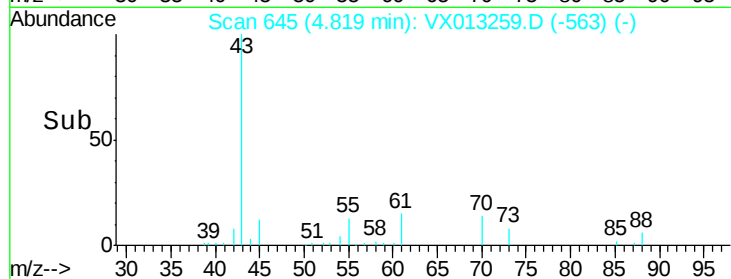
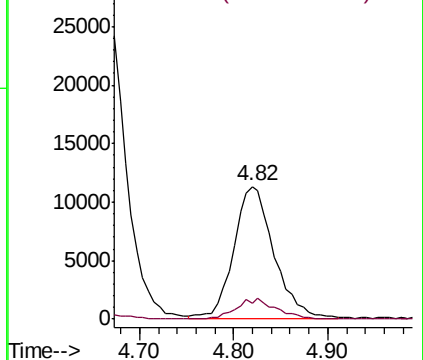
43 100

45 14.4 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 17.843 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX013259.D

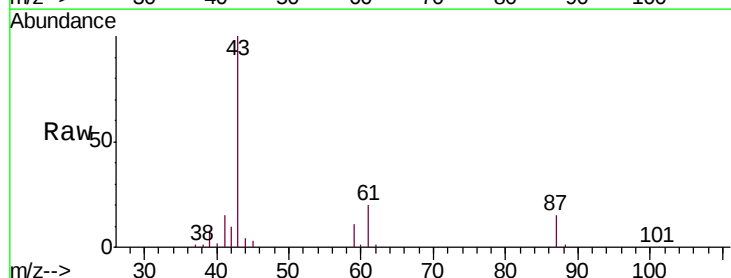
Acq: 28 Oct 2019 19:37

Tgt Ion: 43 Resp: 54423

Ion Ratio Lower Upper

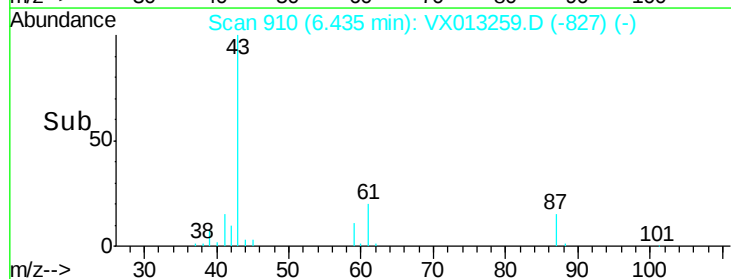
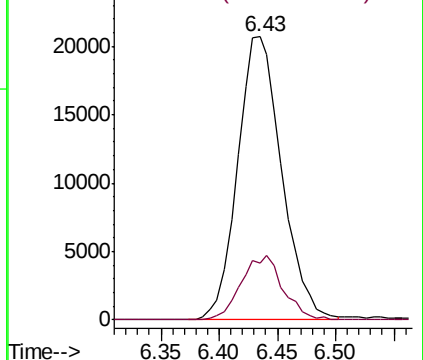
43 100

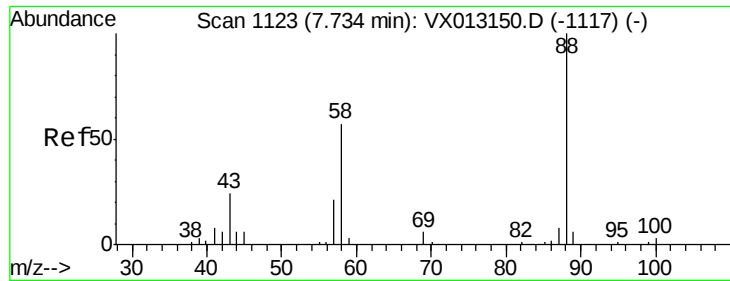
61 21.4 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

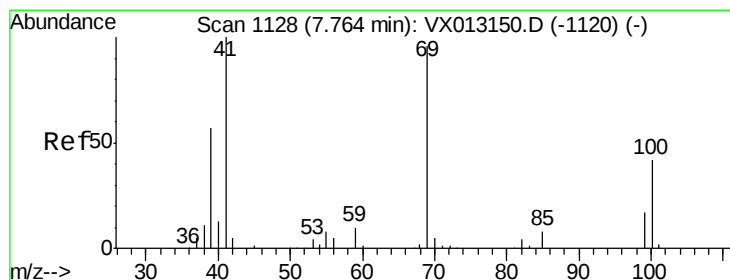
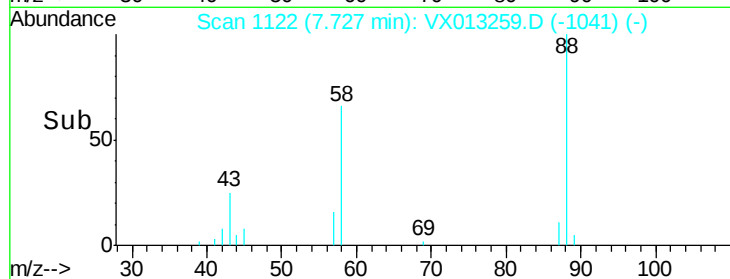
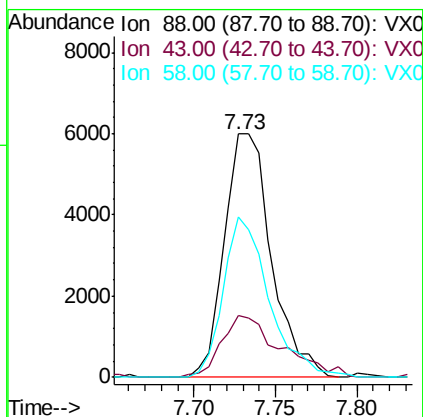
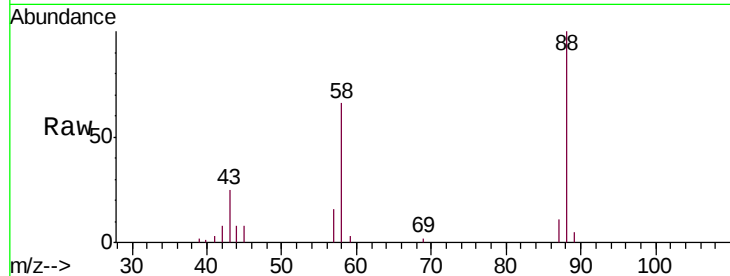




#45
 1,4-Dioxane
 Concen: 313.098 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

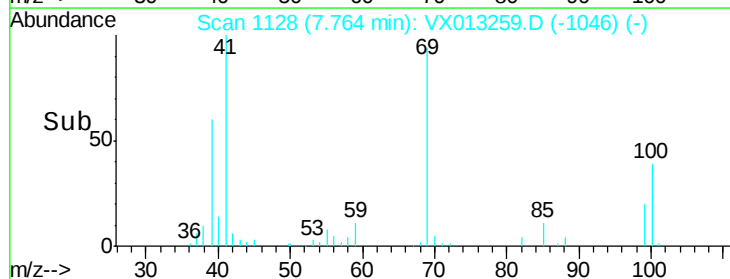
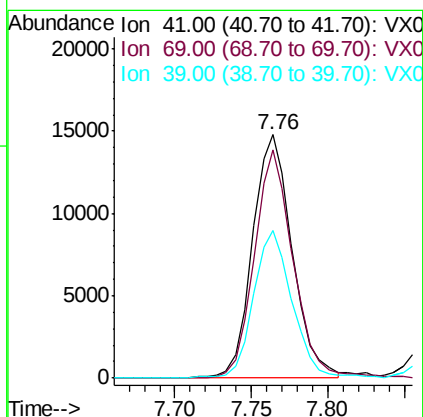
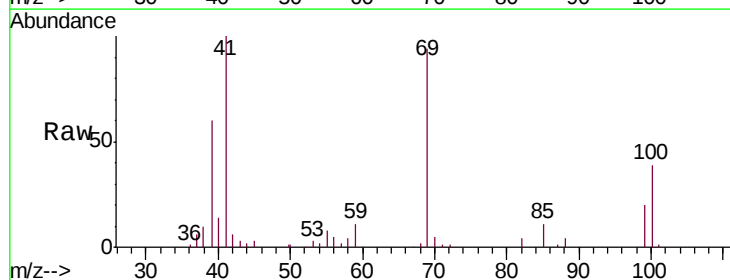
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

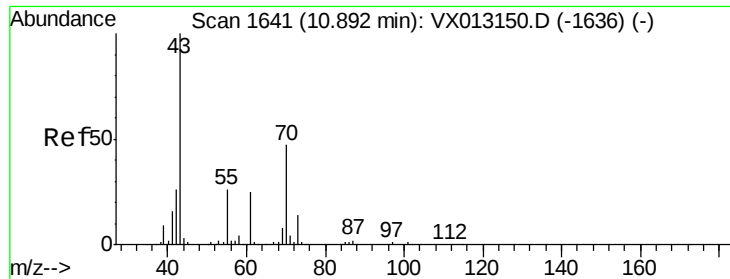
Tgt Ion: 88 Resp: 12077
 Ion Ratio Lower Upper
 88 100
 43 24.6 24.0 36.0
 58 64.2 52.8 79.2



#46
 Methyl methacrylate
 Concen: 17.739 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion: 41 Resp: 26623
 Ion Ratio Lower Upper
 41 100
 69 94.0 47.8 143.3
 39 60.4 28.5 85.5

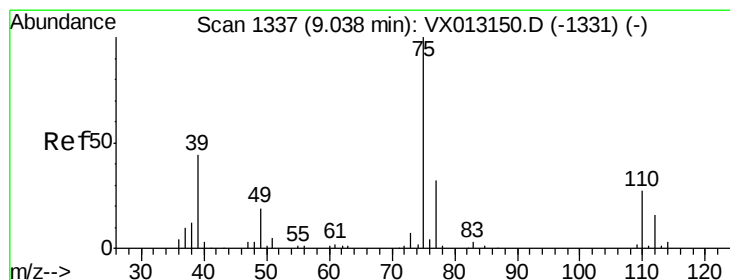
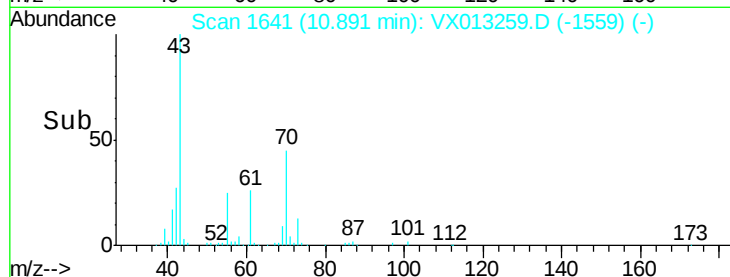
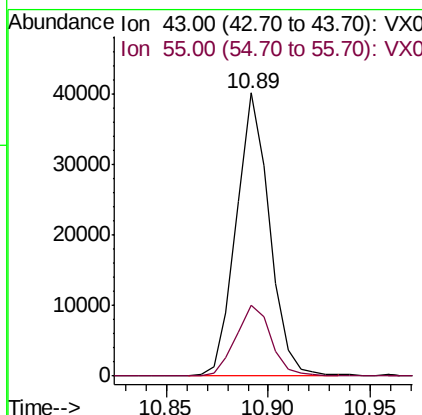
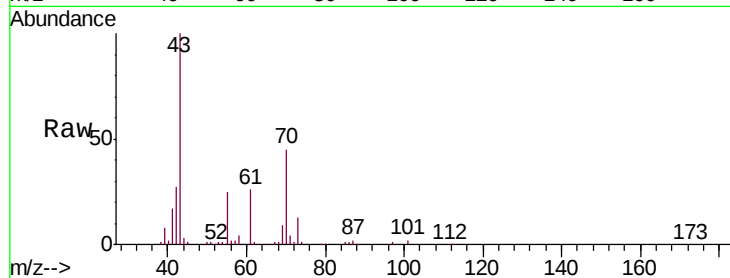




#47
n-amy1 Acetate
Concen: 17.724 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

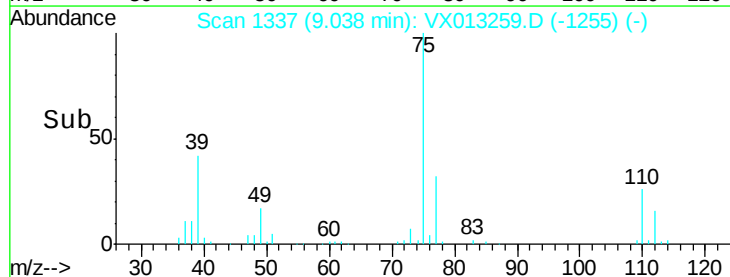
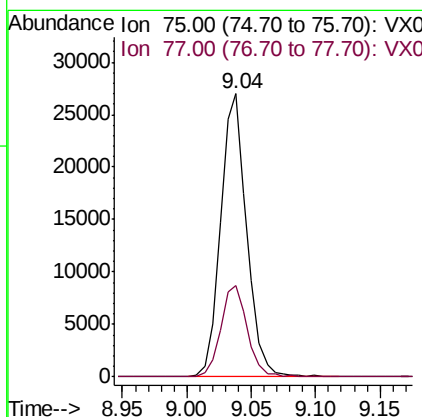
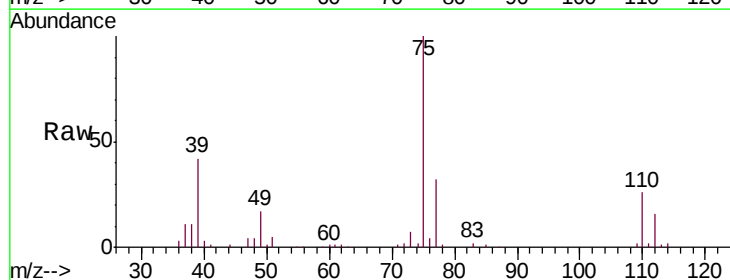
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

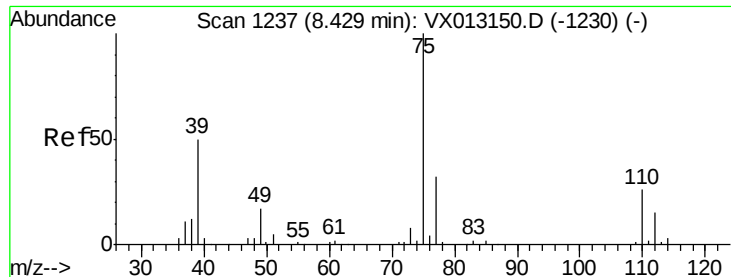
Tgt Ion: 43 Resp: 45569
Ion Ratio Lower Upper
43 100
55 26.6 20.9 31.3



#48
t-1,3-Dichloropropene
Concen: 18.136 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Tgt Ion: 75 Resp: 38405
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4

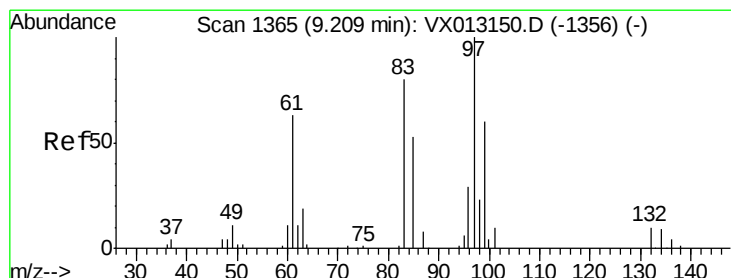
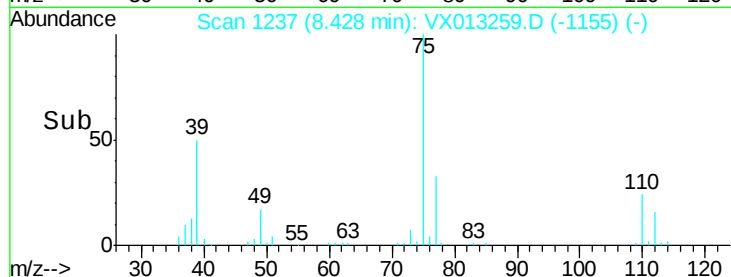
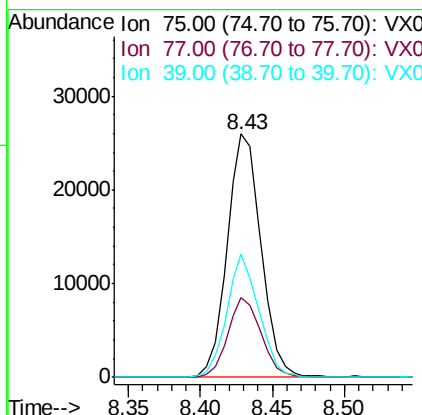
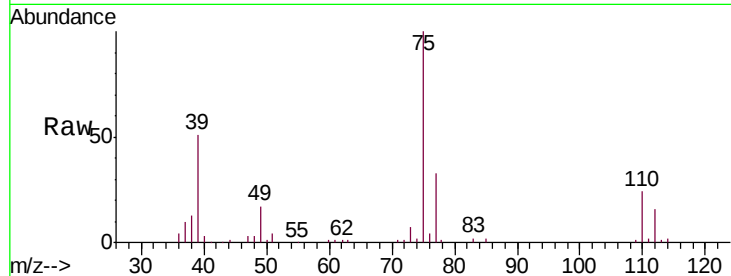




#49
 cis-1,3-Dichloropropene
 Concen: 18.496 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

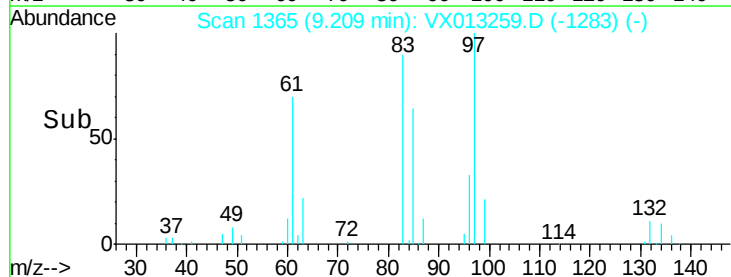
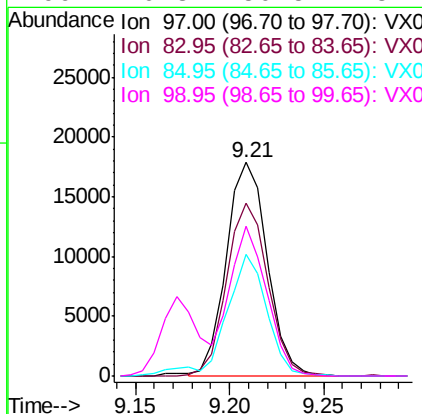
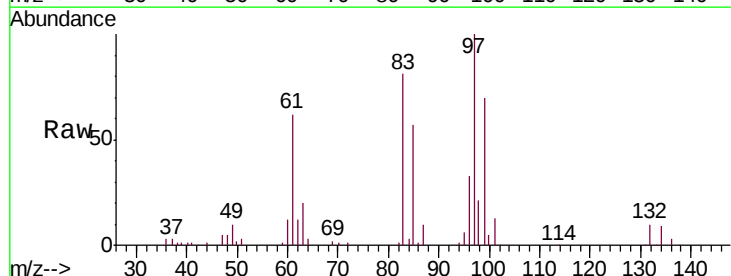
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

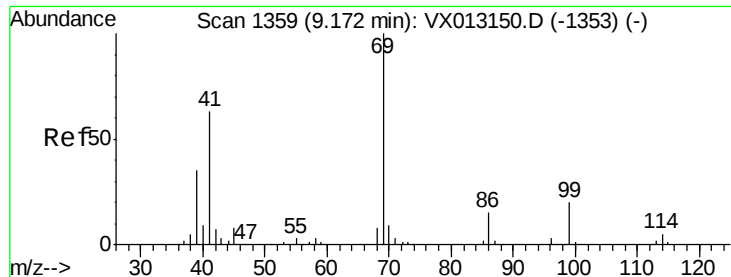
Tgt Ion: 75 Resp: 42618
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.8 38.8
 39 50.6 39.7 59.5



#50
 1,1,2-Trichloroethane
 Concen: 19.027 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion: 97 Resp: 26902
 Ion Ratio Lower Upper
 97 100
 83 80.9 64.2 96.4
 85 57.0 42.7 64.1
 99 70.3 50.5 75.7





#51

Ethyl methacrylate

Concen: 18.254 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

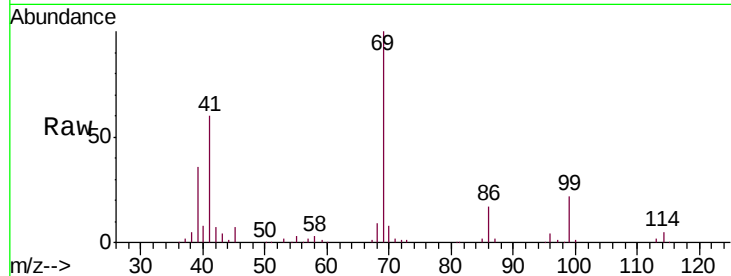
Tgt Ion: 69 Resp: 40467

Ion Ratio Lower Upper

69 100

41 59.5 31.6 95.0

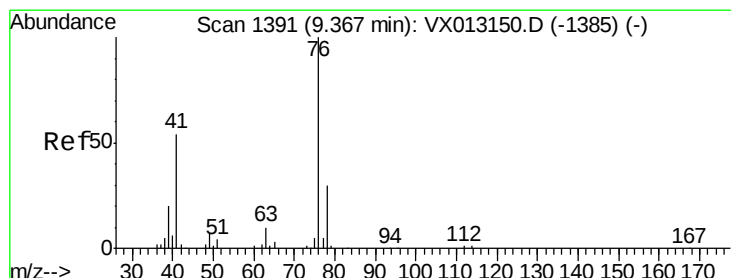
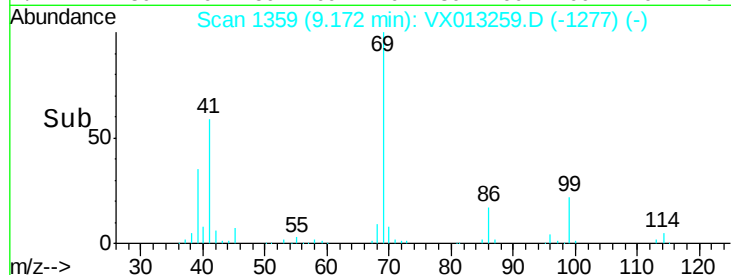
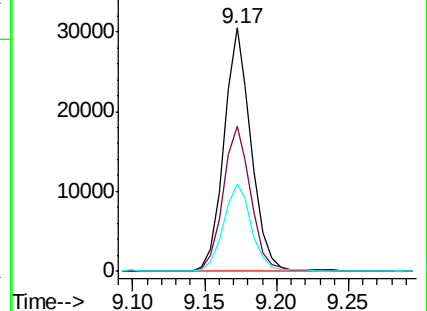
39 35.7 17.7 53.1



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 19.135 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013259.D

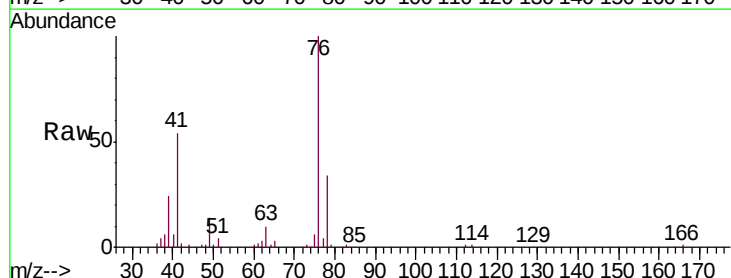
Acq: 28 Oct 2019 19:37

Tgt Ion: 76 Resp: 45561

Ion Ratio Lower Upper

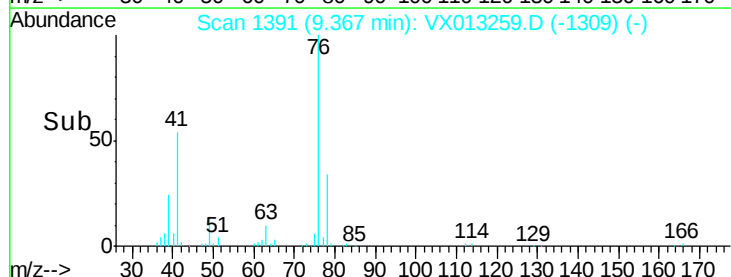
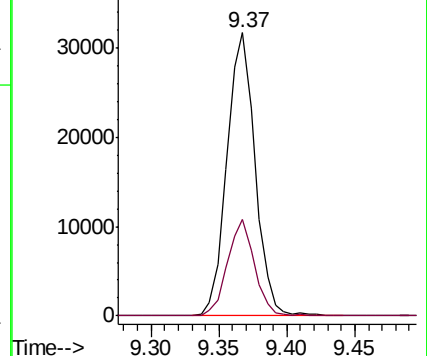
76 100

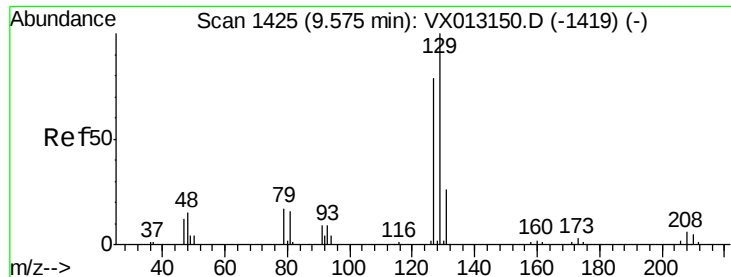
78 32.4 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

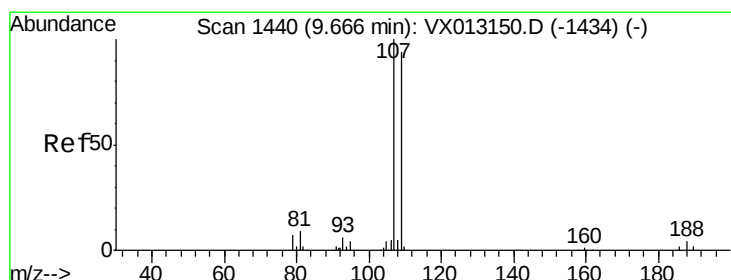
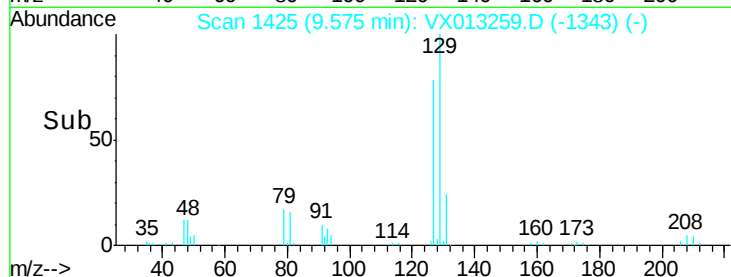
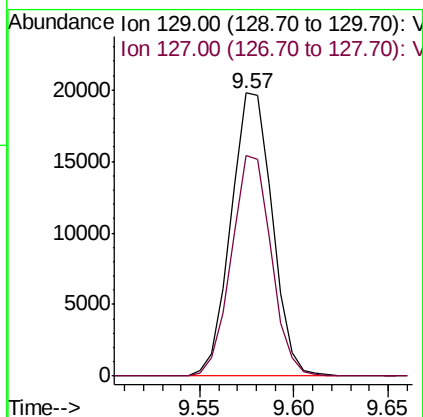
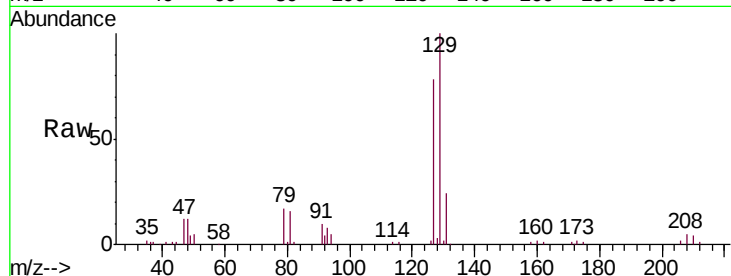




#53
 Dibromochloromethane
 Concen: 19.771 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

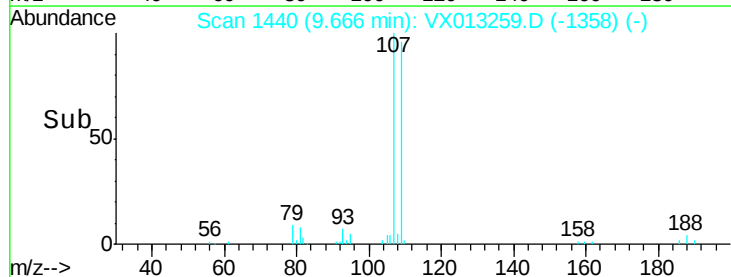
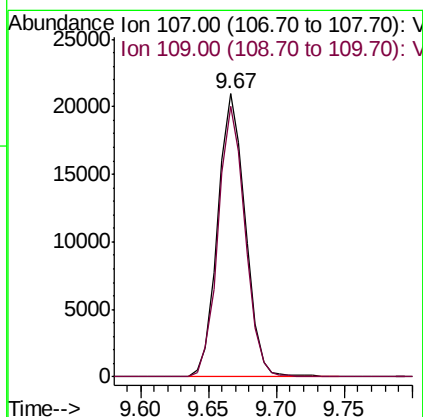
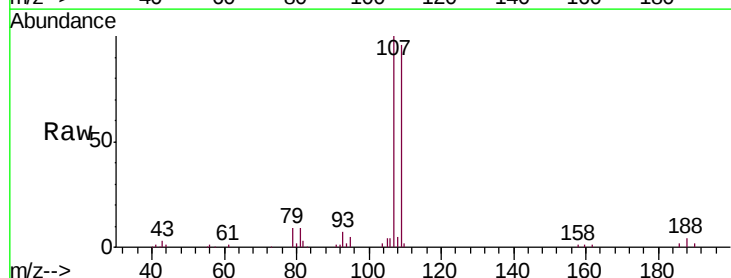
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

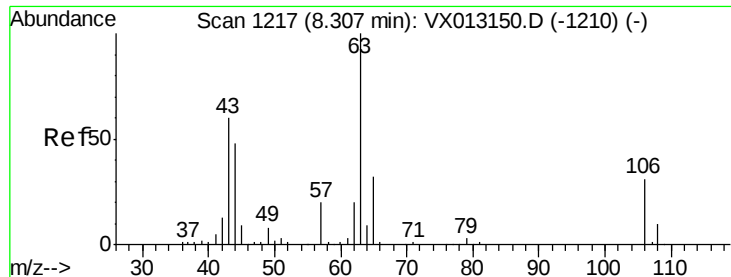
Tgt Ion:129 Resp: 30153
 Ion Ratio Lower Upper
 129 100
 127 74.8 39.4 118.2



#54
 1,2-Dibromoethane
 Concen: 19.503 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion:107 Resp: 29483
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.4 113.0

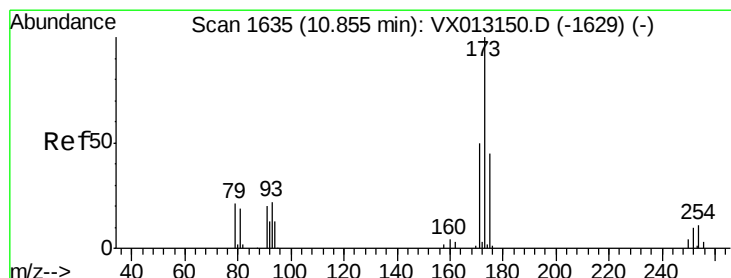
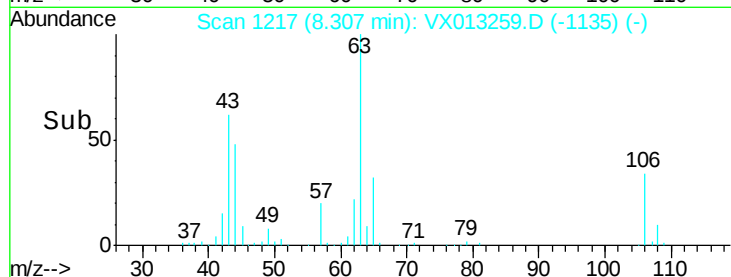
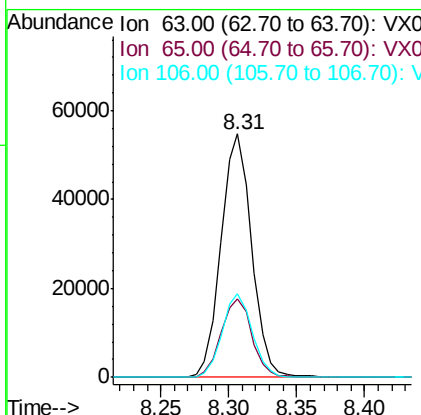
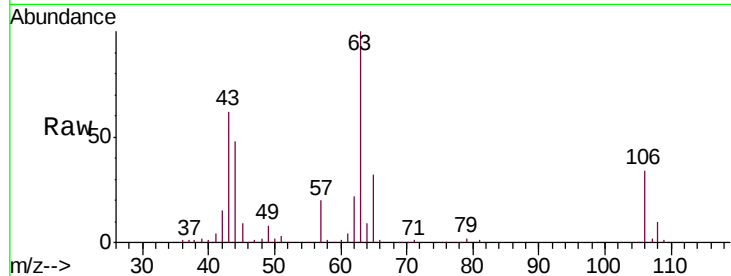




#55
 2-Chloroethyl vinyl ether
 Concen: 95.115 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

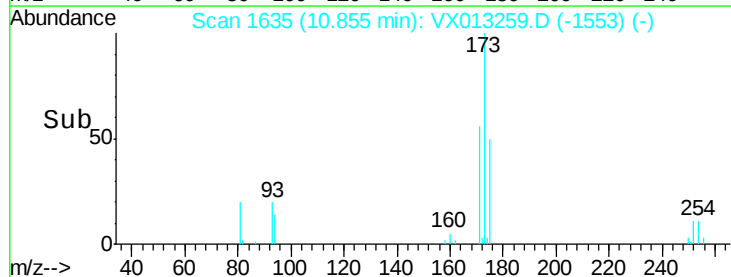
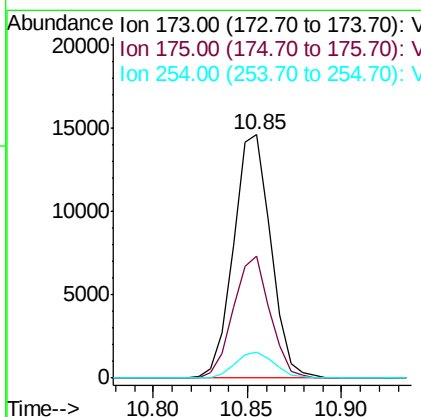
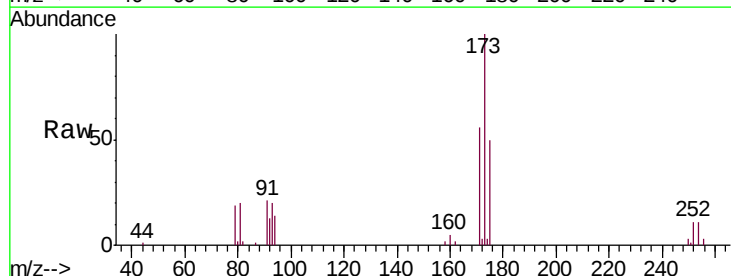
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

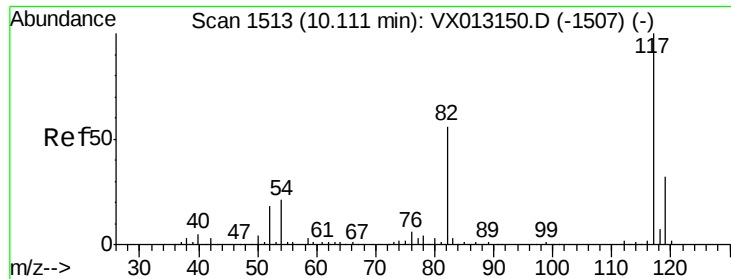
Tgt Ion: 63 Resp: 85656
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.5 38.3
 106 33.6 24.8 37.2



#56
 Bromoform
 Concen: 18.529 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion: 173 Resp: 20049
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.0 58.4
 254 11.0 8.1 12.1

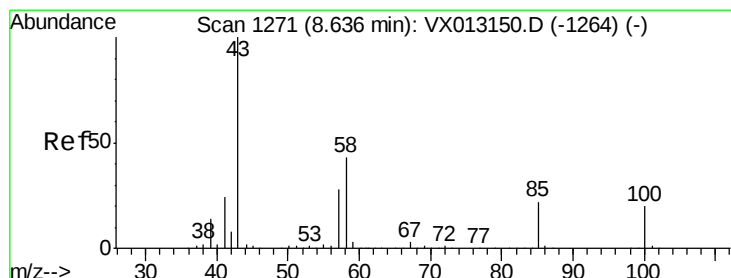
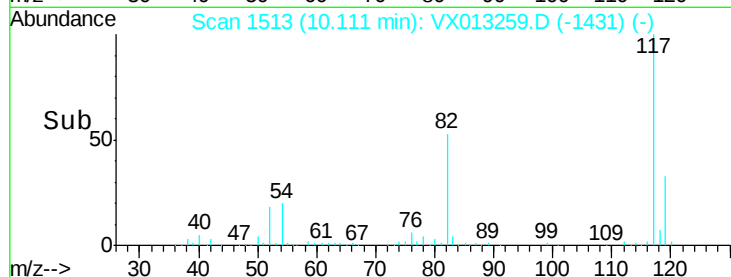
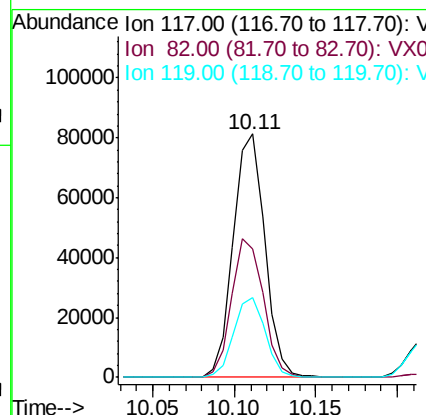
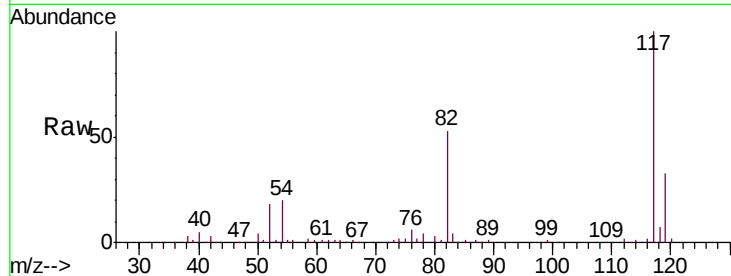




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

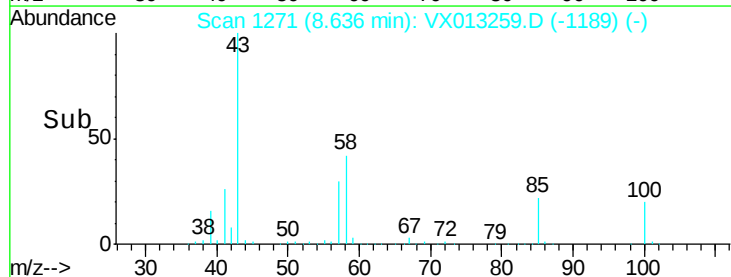
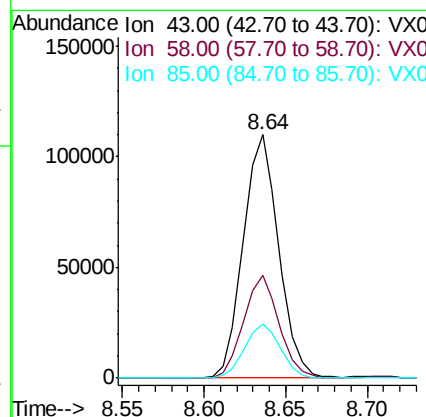
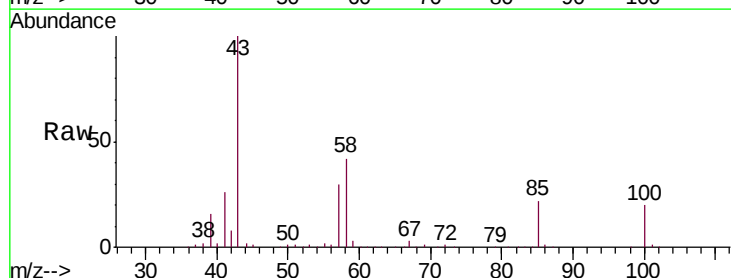
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

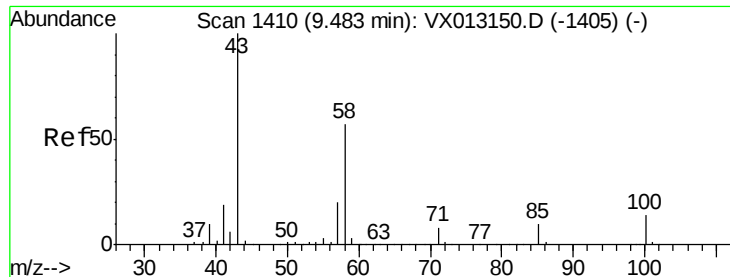
Tgt Ion: 117 Resp: 110108
Ion Ratio Lower Upper
117 100
82 57.5 46.0 69.0
119 32.9 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 89.964 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Tgt Ion: 43 Resp: 166916
Ion Ratio Lower Upper
43 100
58 42.0 33.8 50.8
85 22.6 16.8 25.2

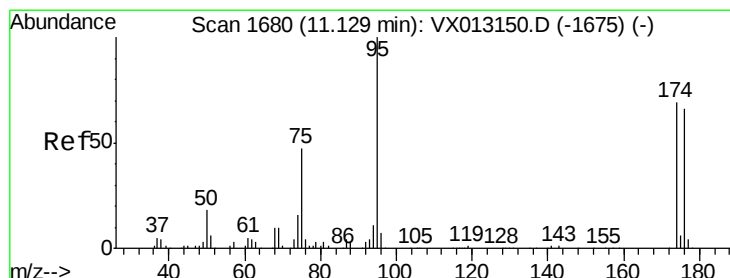
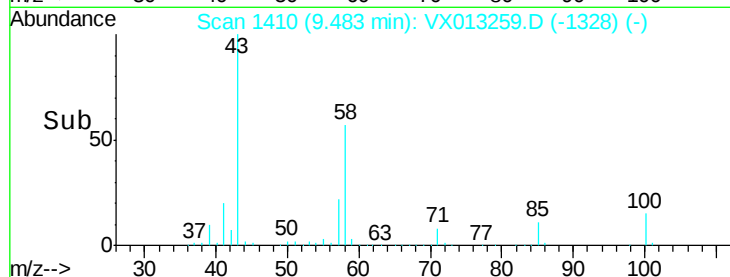
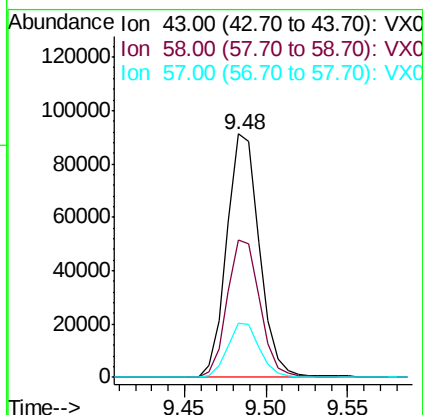
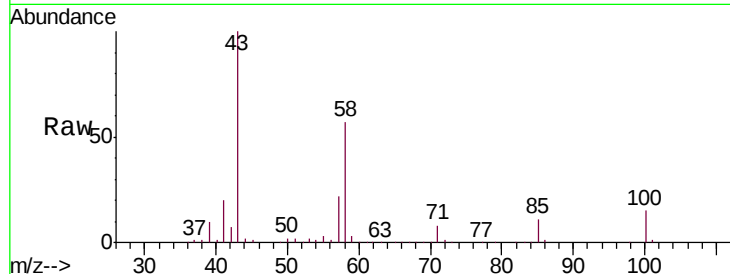




#59
2-Hexanone
Concen: 87.840 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

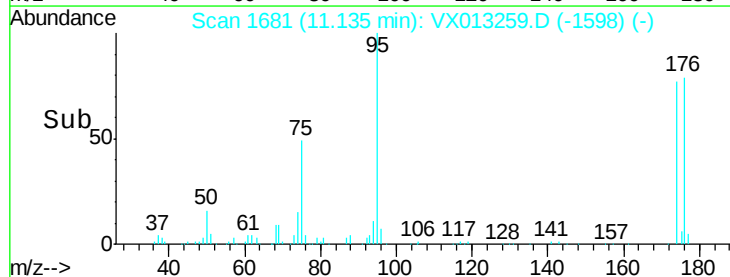
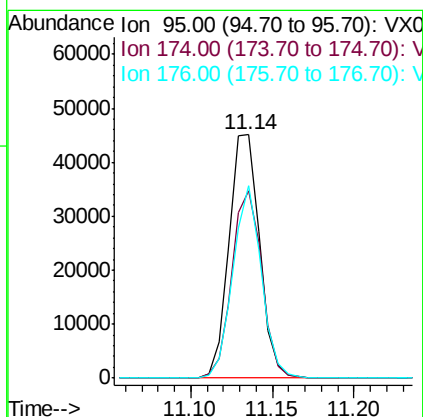
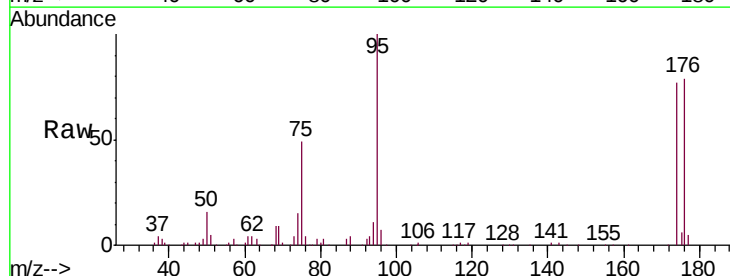
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

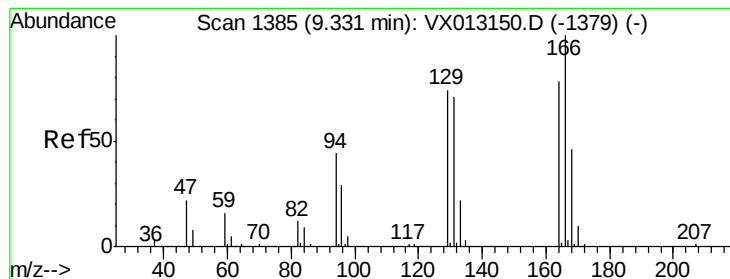
Tgt Ion: 43 Resp: 127725
Ion Ratio Lower Upper
43 100
58 56.5 46.6 69.8
57 21.9 16.9 25.3



#60
4-Bromofluorobenzene
Concen: 30.667 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Tgt Ion: 95 Resp: 58798
Ion Ratio Lower Upper
95 100
174 75.7 60.0 90.0
176 73.2 58.5 87.7





#61

Tetrachloroethene

Concen: 20.272 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion:164 Resp: 29591

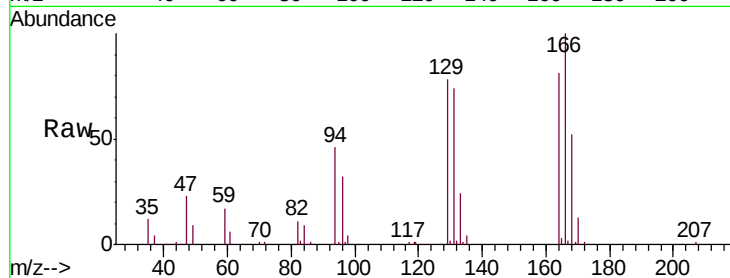
Ion Ratio Lower Upper

164 100

166 122.7 102.6 153.8

129 95.8 75.7 113.5

131 90.5 72.4 108.6

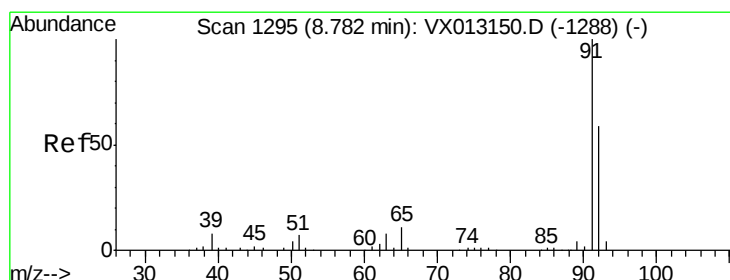
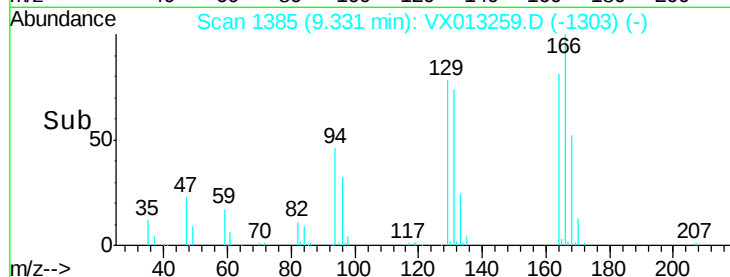
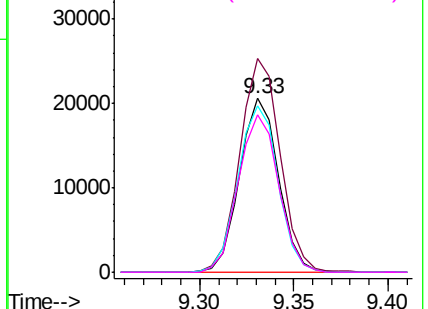


Abundance Ion 163.85 (163.55 to 164.55): V

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: 18.760 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013259.D

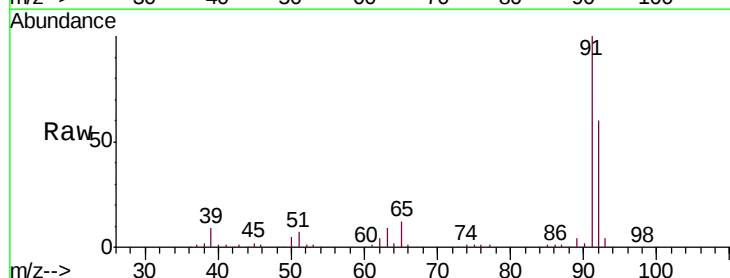
Acq: 28 Oct 2019 19:37

Tgt Ion: 91 Resp: 111506

Ion Ratio Lower Upper

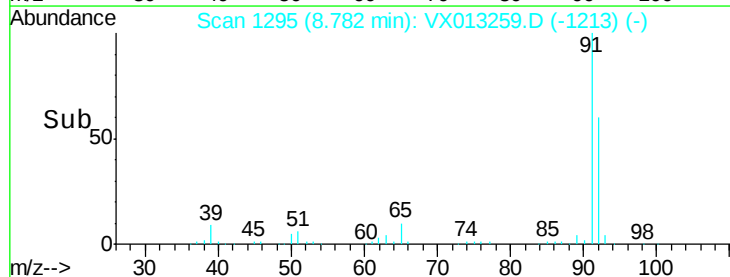
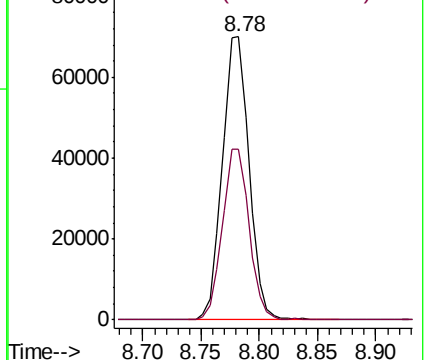
91 100

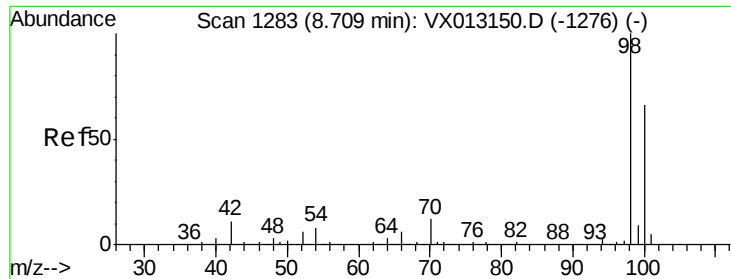
92 60.1 47.7 71.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.860 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

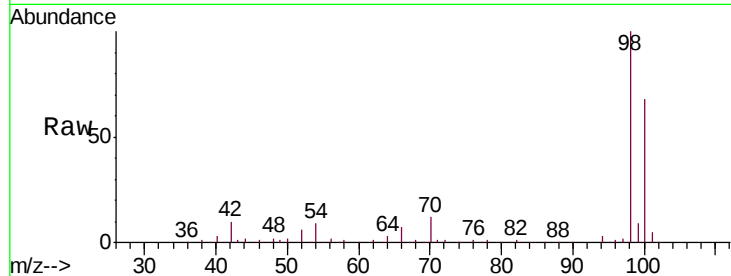
VSTDCCC020EC

Tgt Ion: 98 Resp: 151131

Ion Ratio Lower Upper

98 100

100 66.9 53.1 79.7



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

Ion 100.00 (99.70 to 100.70): VX013150.D (-1276) (-)

8.71

100000

80000

60000

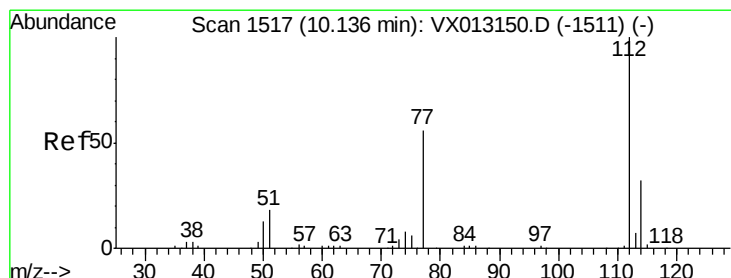
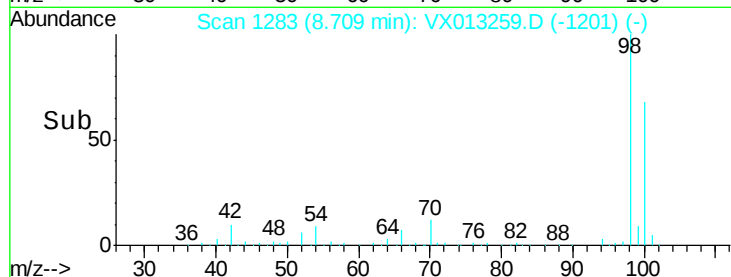
40000

20000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 18.341 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013259.D

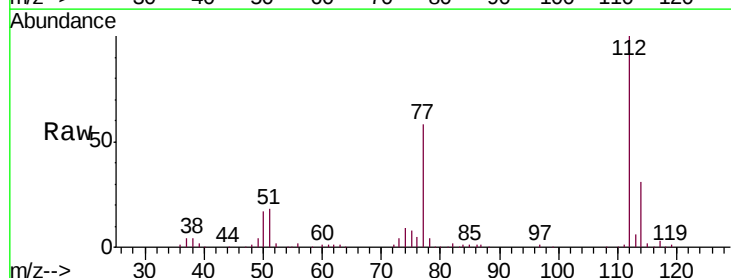
Acq: 28 Oct 2019 19:37

Tgt Ion: 112 Resp: 69899

Ion Ratio Lower Upper

112 100

114 31.3 25.5 38.3



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

Ion 114.00 (113.70 to 114.70): VX013150.D (-1511) (-)

10.14

60000

50000

40000

30000

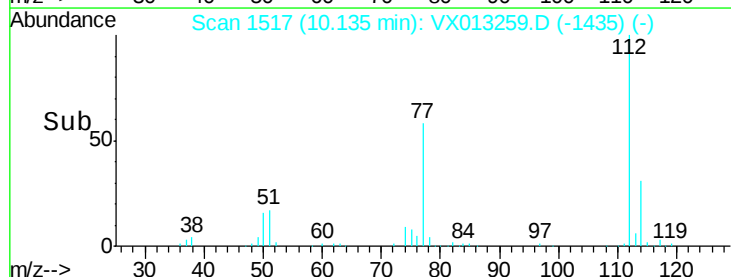
20000

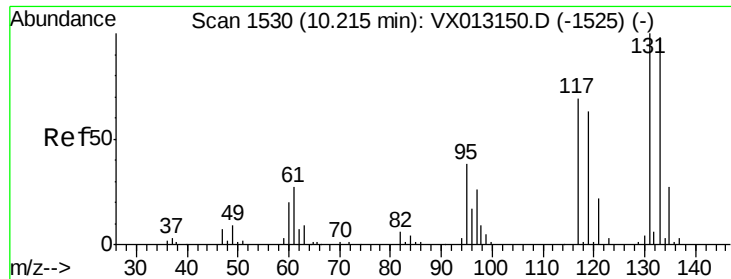
10000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.278 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

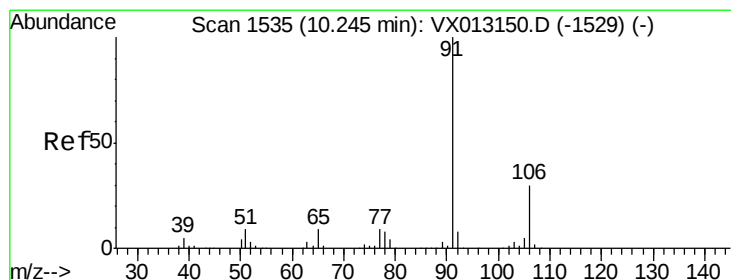
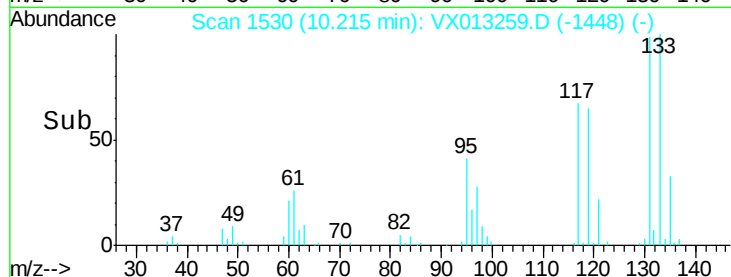
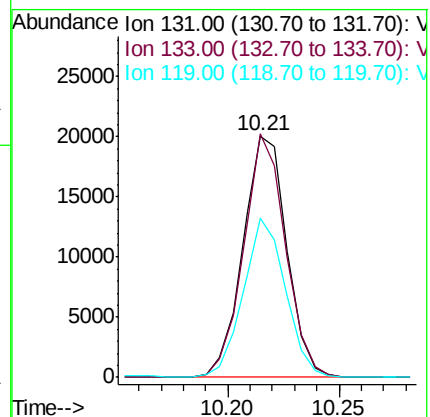
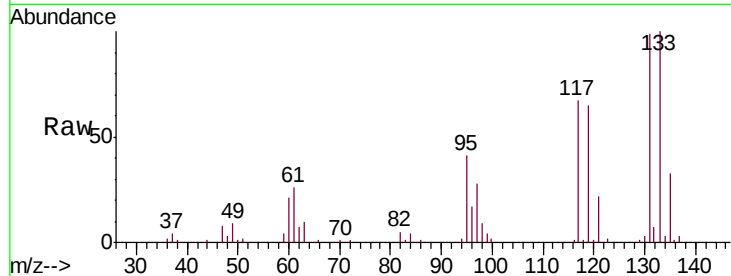
Tgt Ion:131 Resp: 27522

Ion Ratio Lower Upper

131 100

133 96.2 0.0 191.0

119 63.4 0.0 125.6



#66

Ethyl Benzene

Concen: 18.898 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013259.D

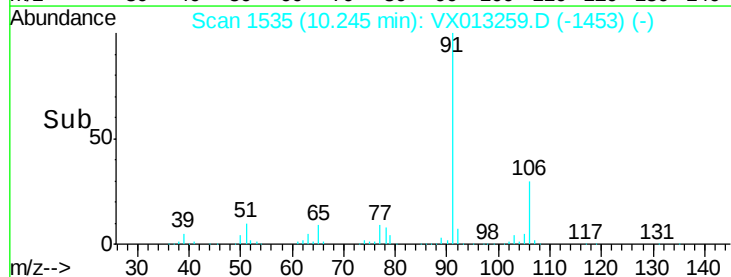
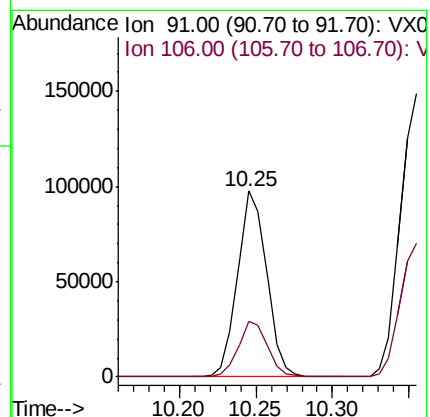
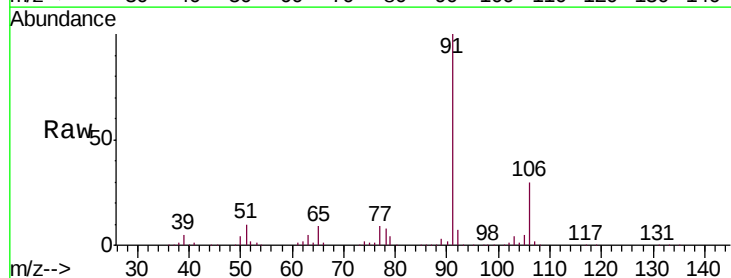
Acq: 28 Oct 2019 19:37

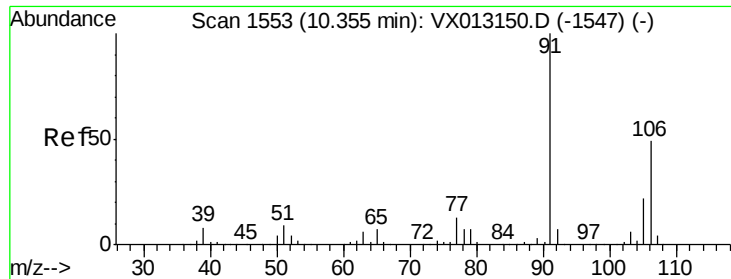
Tgt Ion: 91 Resp: 129285

Ion Ratio Lower Upper

91 100

106 30.1 23.8 35.6

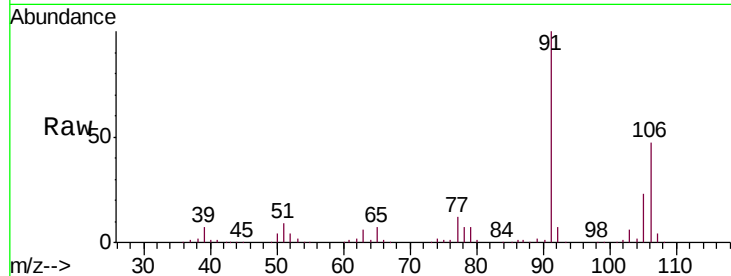




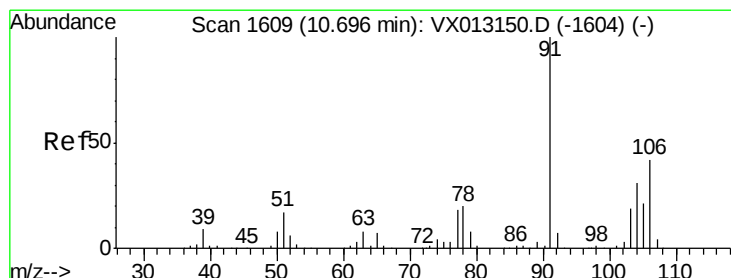
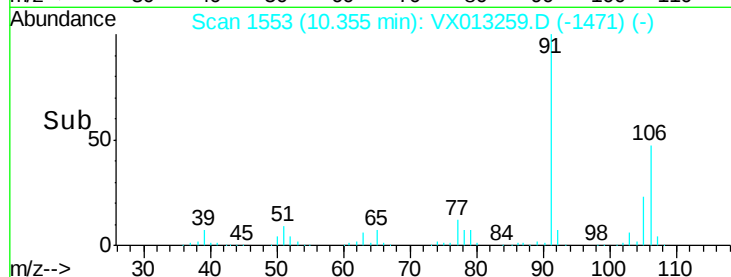
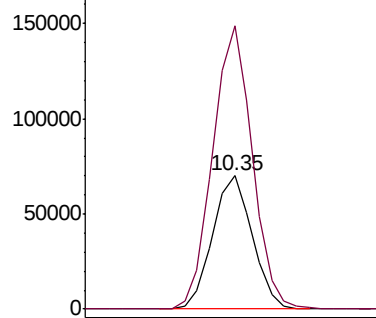
#67
m/p-Xylenes
Concen: 36.525 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 94966
Ion Ratio Lower Upper
106 100
91 211.5 163.7 245.5

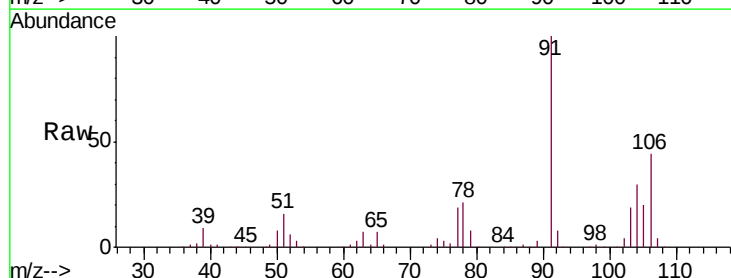


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

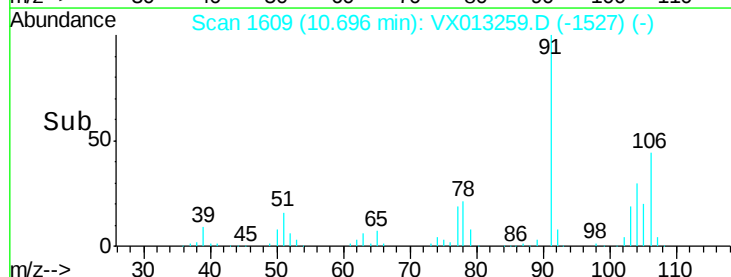
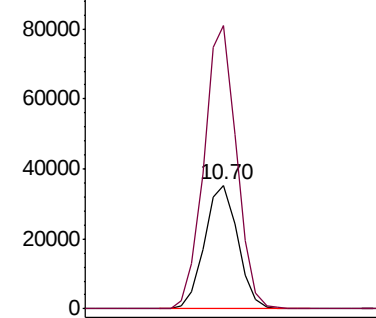


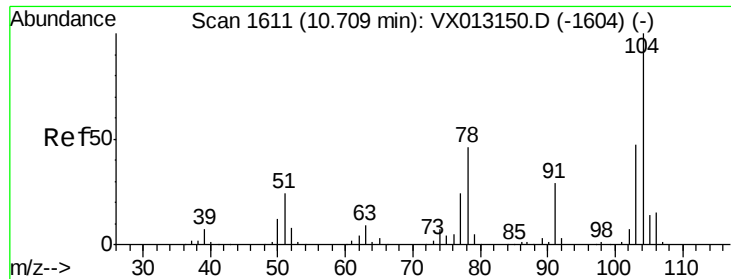
#68
o-Xylene
Concen: 18.772 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Tgt Ion:106 Resp: 46592
Ion Ratio Lower Upper
106 100
91 224.2 113.6 340.8



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

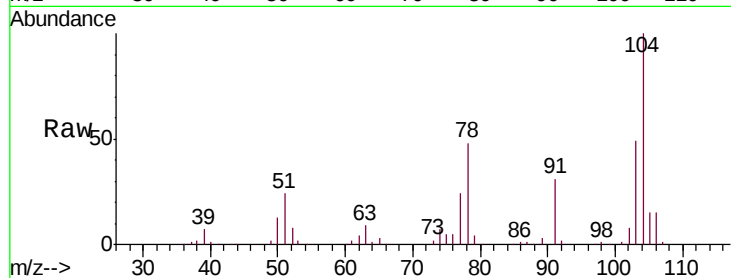




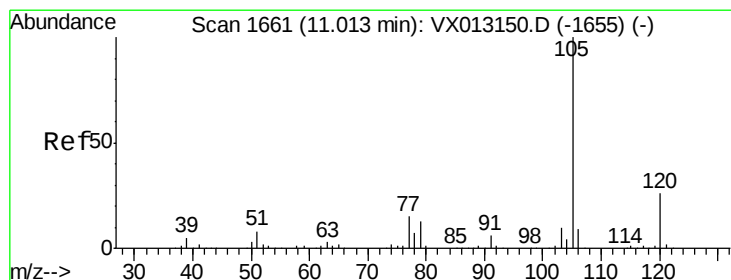
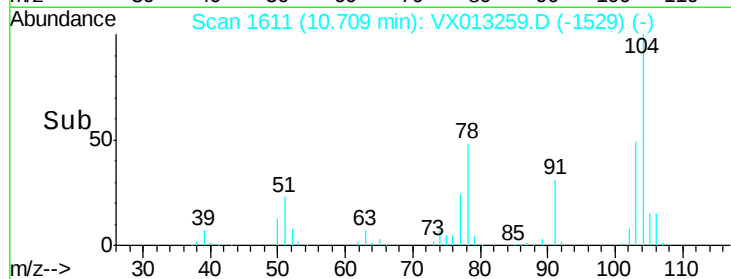
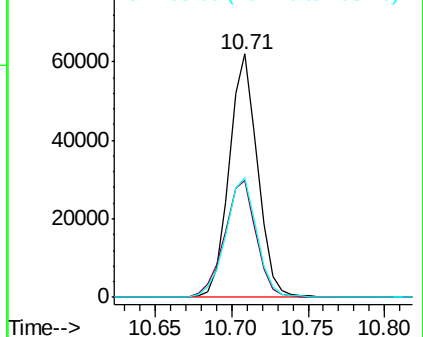
#69
Styrene
Concen: 18.653 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 79673
Ion Ratio Lower Upper
104 100
78 53.8 42.3 63.5
103 54.0 42.2 63.2

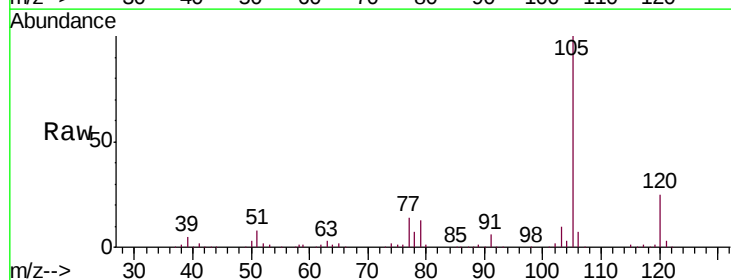


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

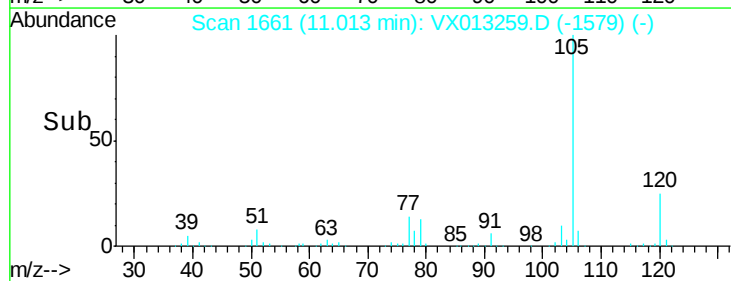
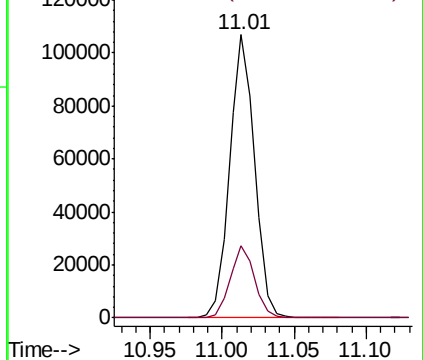


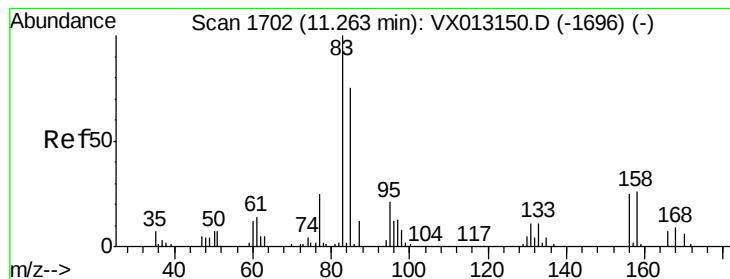
#70
Isopropylbenzene
Concen: 19.050 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Tgt Ion:105 Resp: 129746
Ion Ratio Lower Upper
105 100
120 25.2 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: 17.924 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

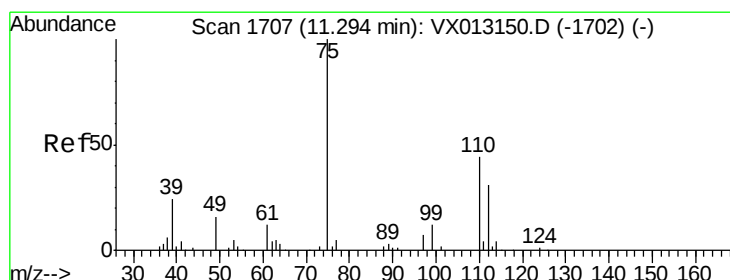
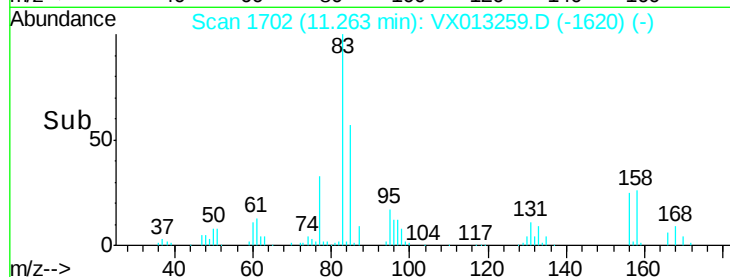
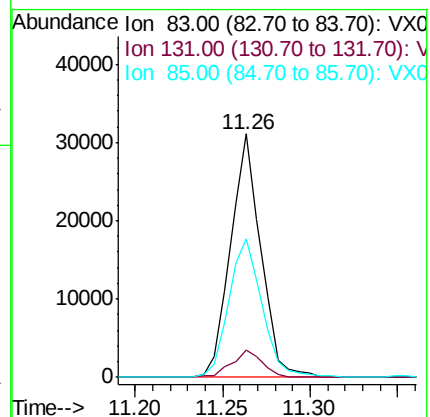
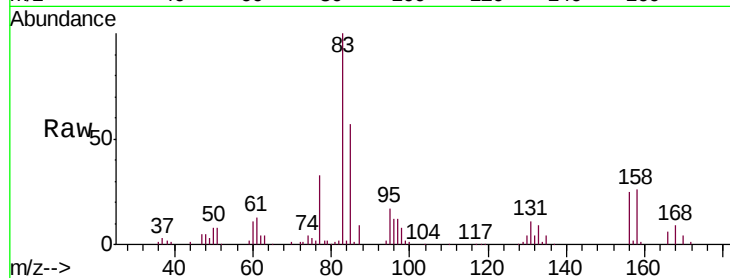
Tgt Ion: 83 Resp: 37407

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

85 62.4 32.9 98.6



#72

1,2,3-Trichloropropane

Concen: 24.828 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013259.D

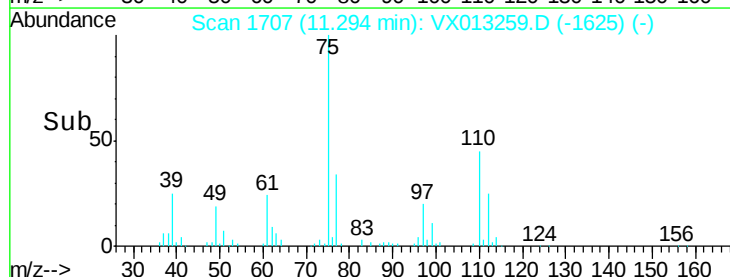
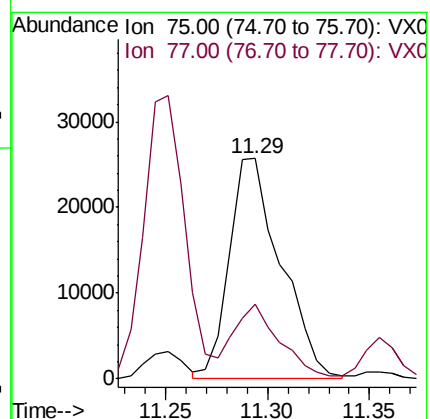
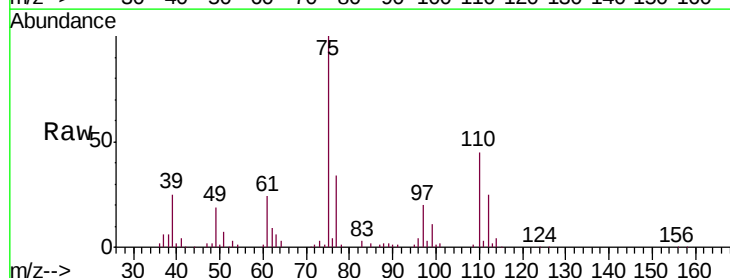
Acq: 28 Oct 2019 19:37

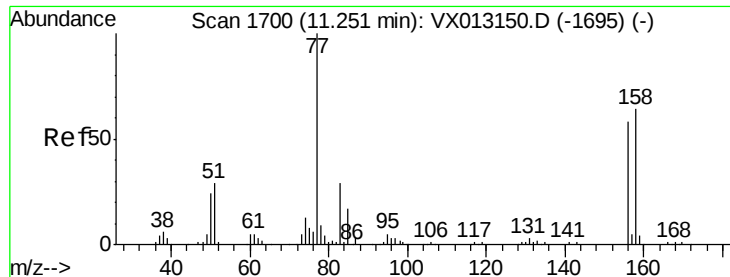
Tgt Ion: 75 Resp: 45004

Ion Ratio Lower Upper

75 100

77 30.0 0.0 74.0

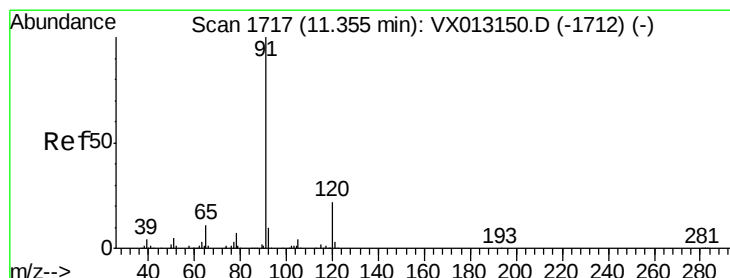
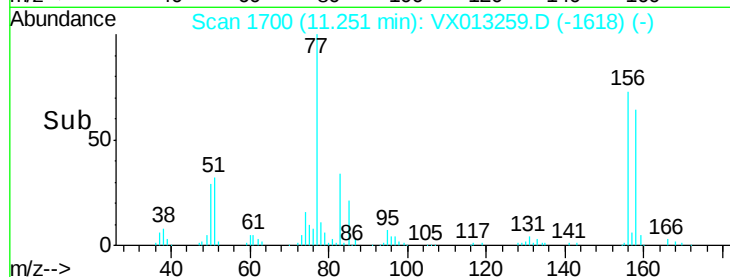
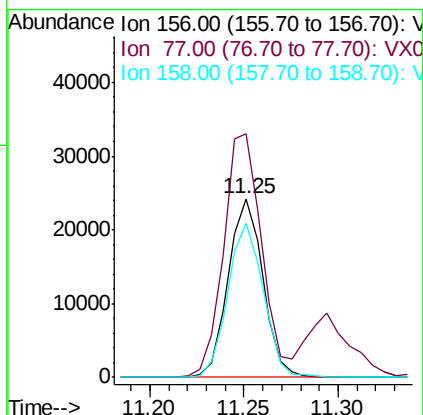
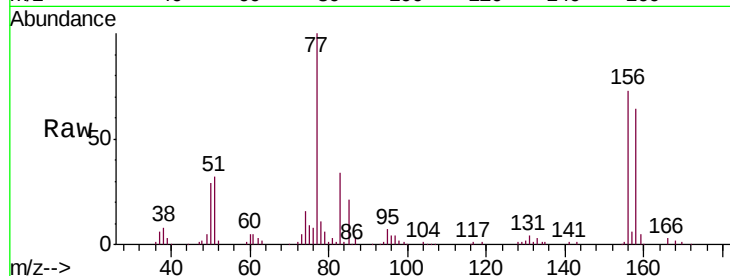




#73
Bromobenzene
Concen: 18.966 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

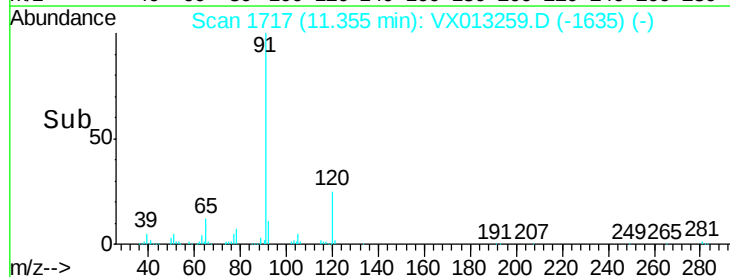
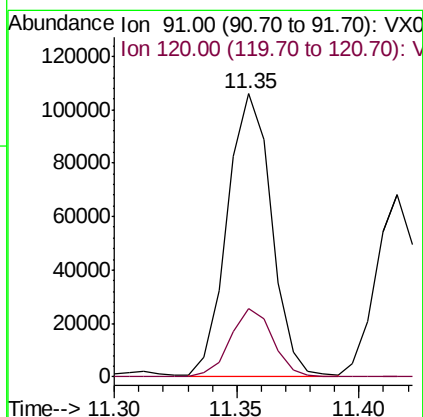
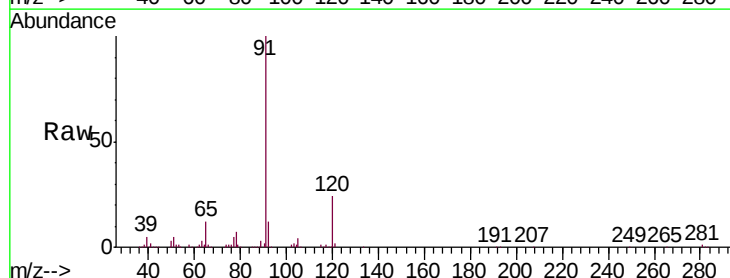
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

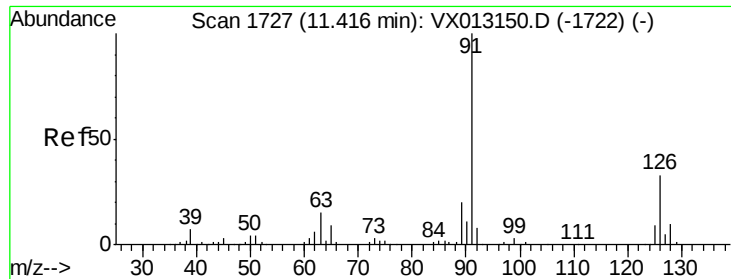
Tgt Ion:156 Resp: 30999
Ion Ratio Lower Upper
156 100
77 149.7 0.0 328.0
158 88.3 0.0 196.2



#74
n-propylbenzene
Concen: 17.857 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Tgt Ion: 91 Resp: 133484
Ion Ratio Lower Upper
91 100
120 23.2 0.0 45.2





#75

2-Chlorotoluene

Concen: 17.701 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

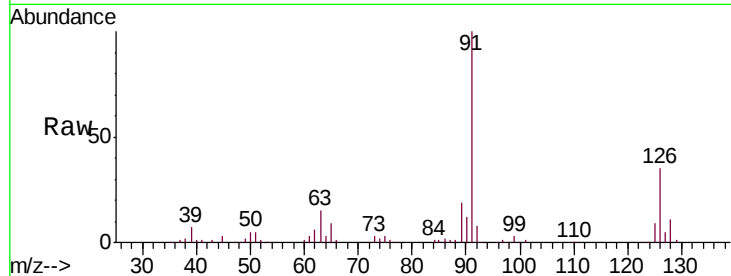
VSTDCCC020EC

Tgt Ion: 91 Resp: 82799

Ion Ratio Lower Upper

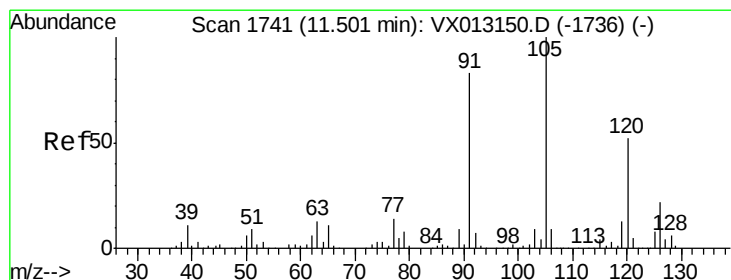
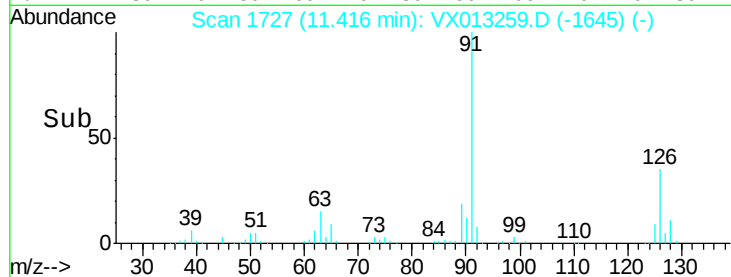
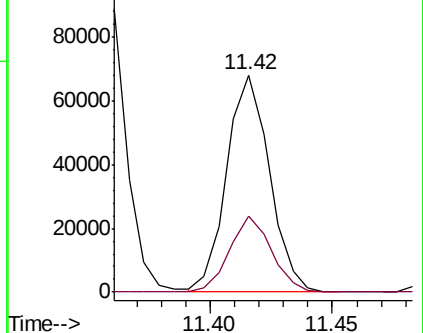
91 100

126 34.6 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VX013150.D (-1722) (-)

Ion 126.00 (125.70 to 126.70): VX013150.D (-1722) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.459 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013259.D

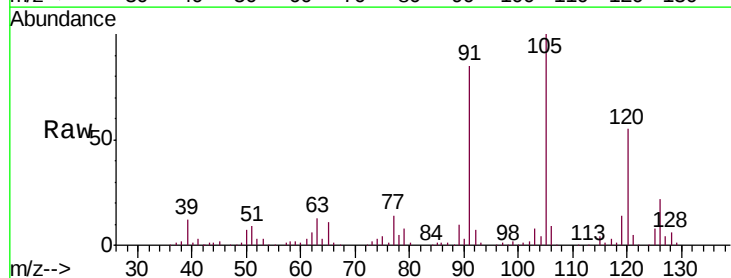
Acq: 28 Oct 2019 19:37

Tgt Ion: 105 Resp: 105533

Ion Ratio Lower Upper

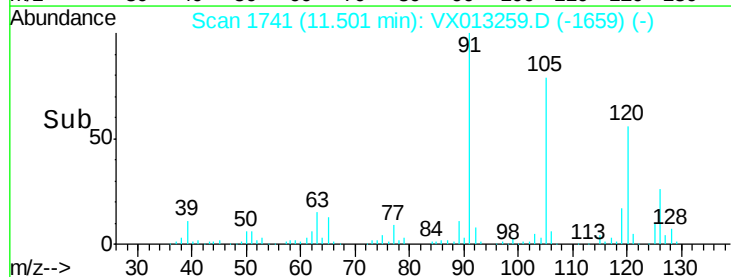
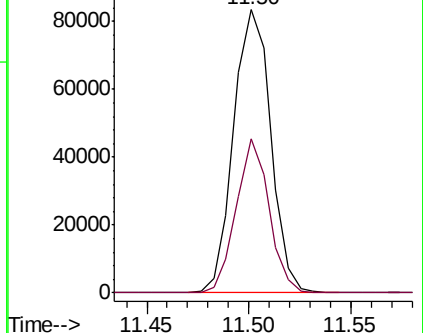
105 100

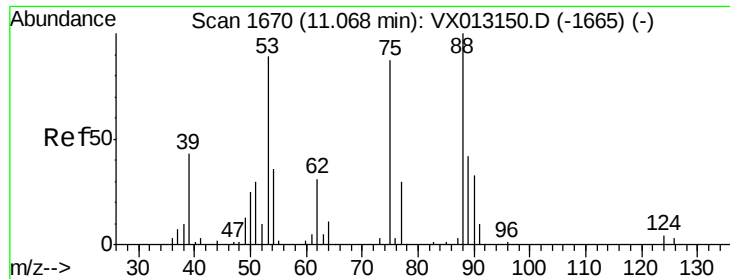
120 48.3 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VX013150.D (-1736) (-)

Ion 120.00 (119.70 to 120.70): VX013150.D (-1736) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.173 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

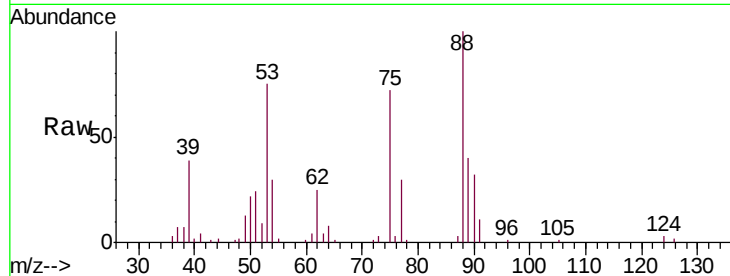
Tgt Ion: 75 Resp: 11382

Ion Ratio Lower Upper

75 100

53 104.7 51.1 153.4

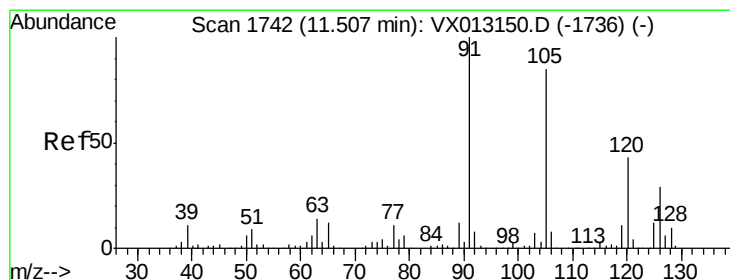
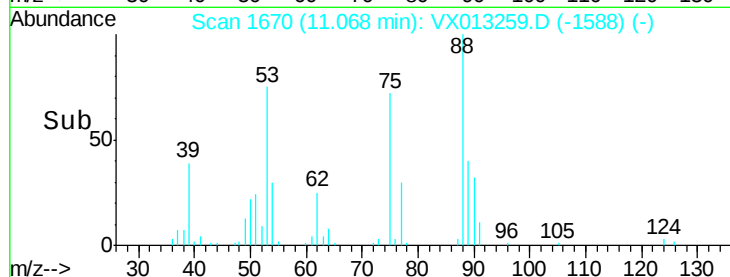
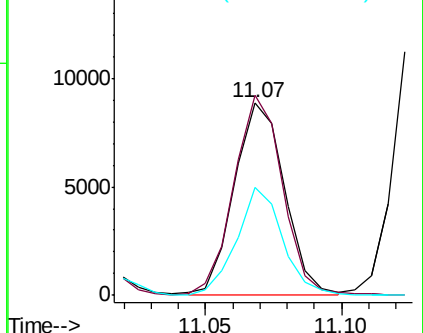
89 56.5 24.1 72.4



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: 18.714 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013259.D

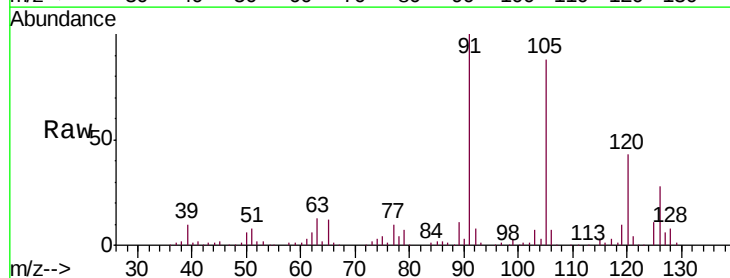
Acq: 28 Oct 2019 19:37

Tgt Ion: 91 Resp: 100022

Ion Ratio Lower Upper

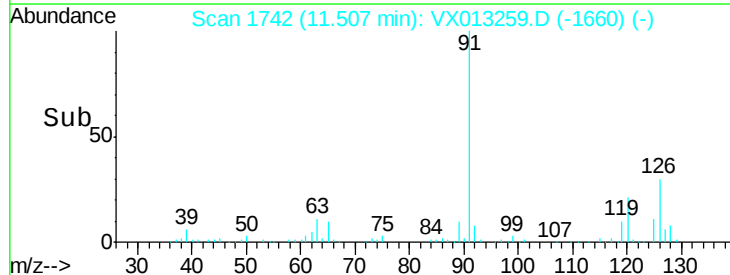
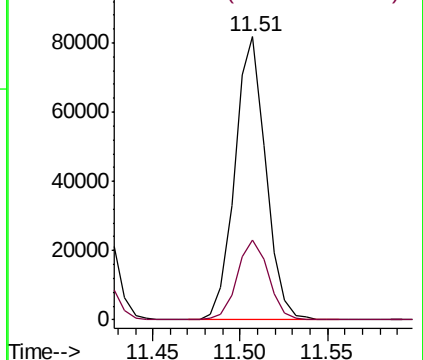
91 100

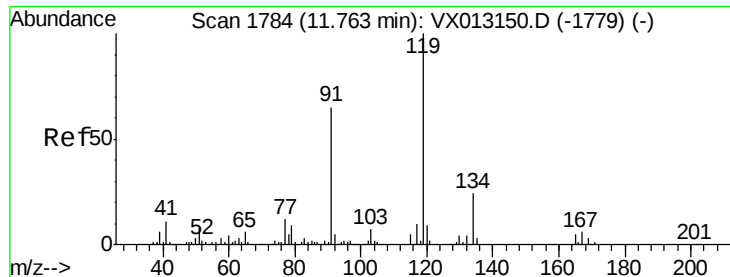
126 28.9 0.0 58.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

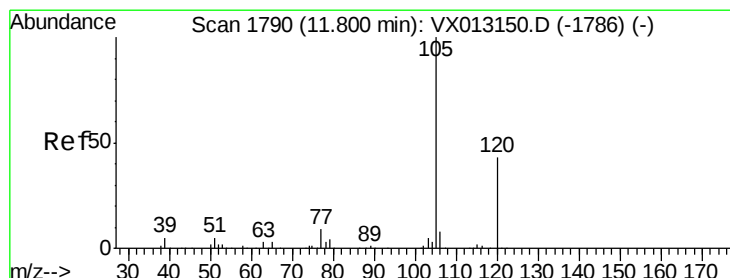
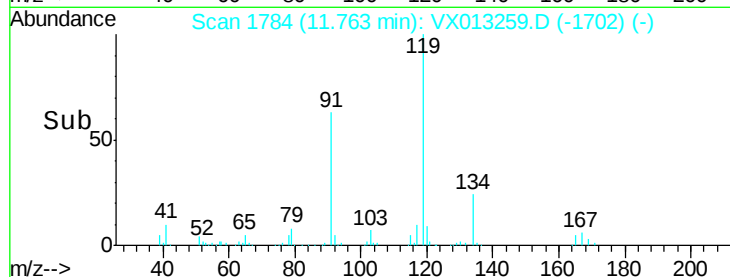
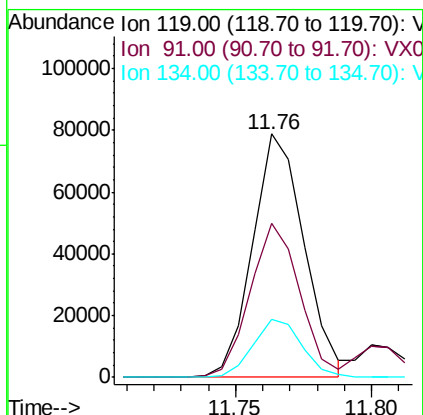
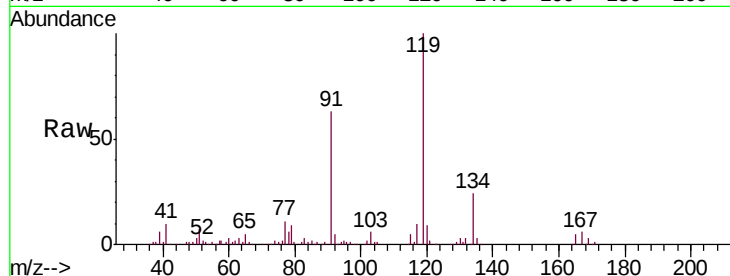




#79
tert-butylbenzene
Concen: 18.734 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

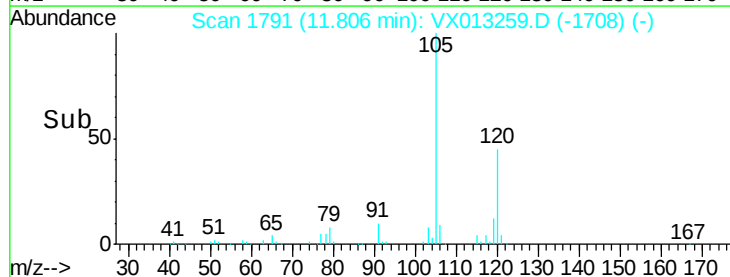
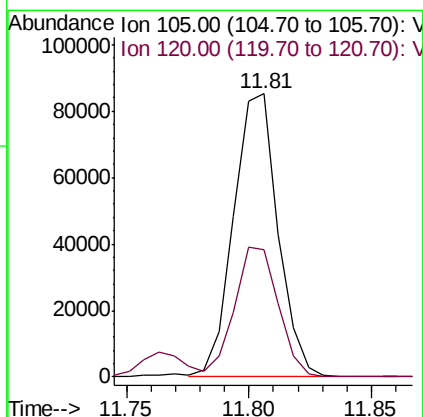
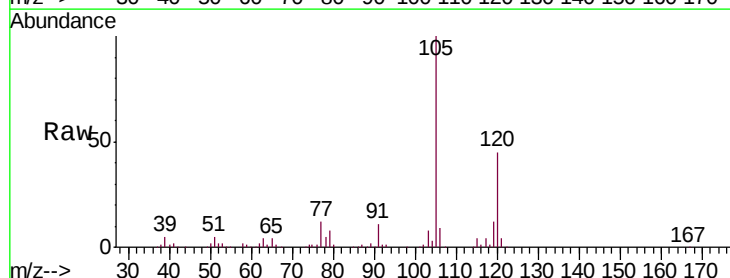
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

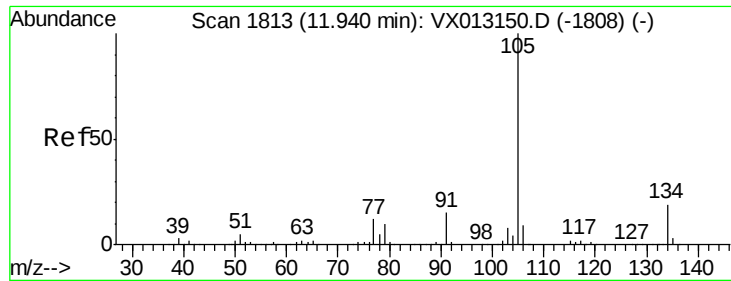
Tgt Ion:119 Resp: 103134
Ion Ratio Lower Upper
119 100
91 61.2 0.0 128.4
134 22.8 0.0 49.0



#80
1,2,4-Trimethylbenzene
Concen: 18.808 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Tgt Ion:105 Resp: 107418
Ion Ratio Lower Upper
105 100
120 45.2 0.0 87.4

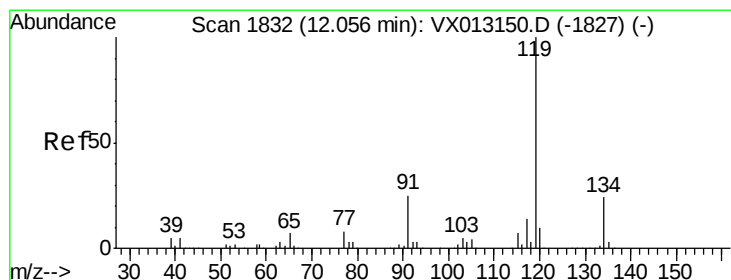
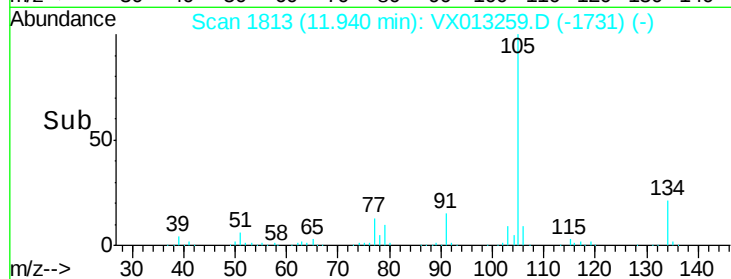
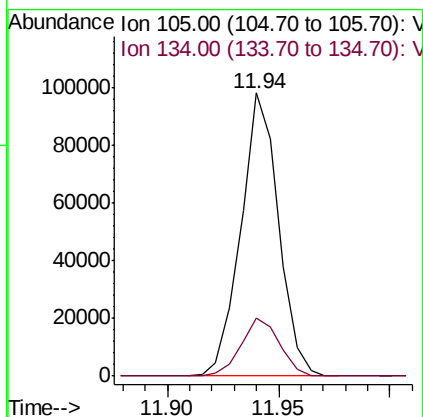
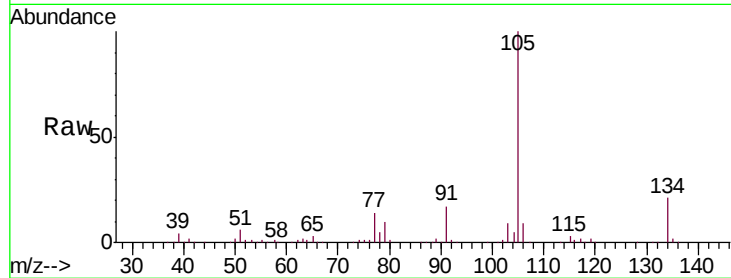




#81
 sec-Butylbenzene
 Concen: 17.652 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

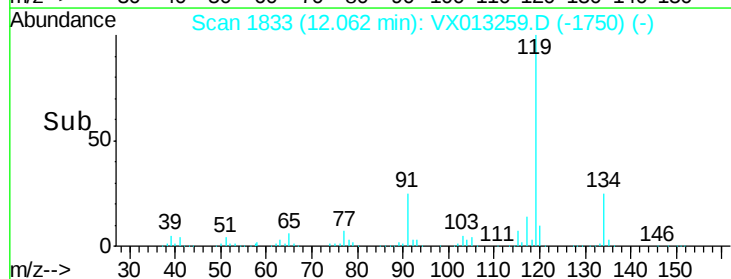
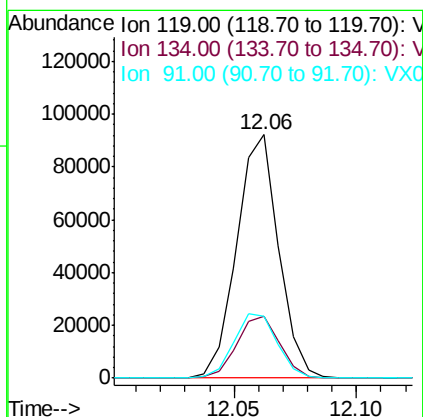
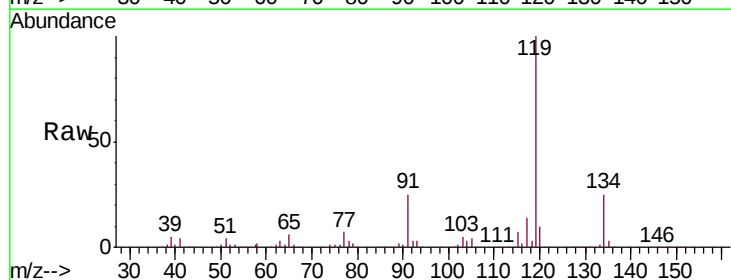
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

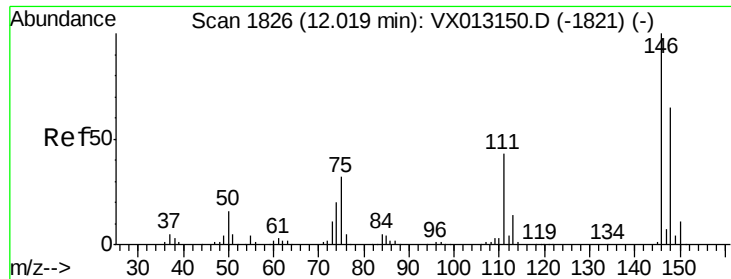
Tgt Ion:105 Resp: 115766
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 18.178 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion:119 Resp: 109003
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 51.6
 91 27.6 0.0 50.0

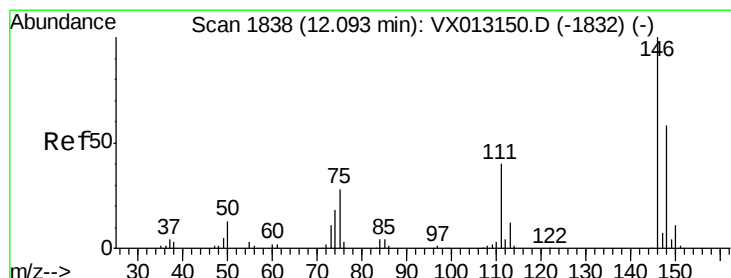
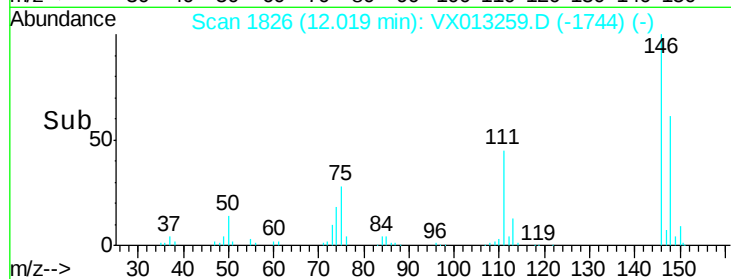
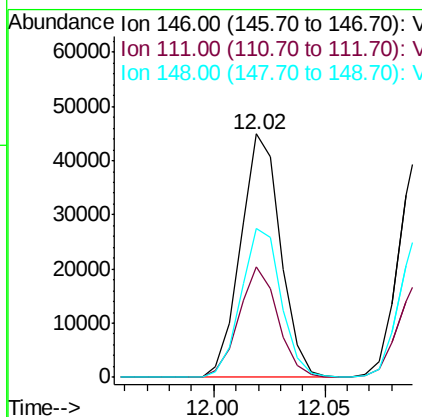
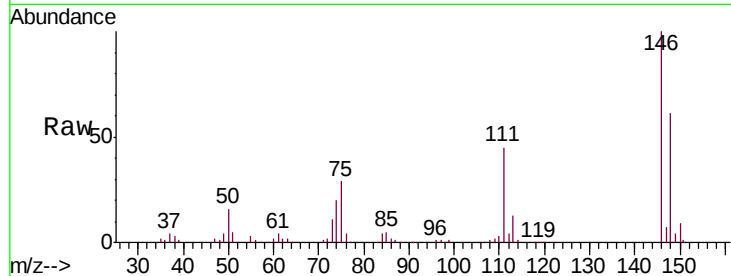




#83
 1,3-Dichlorobenzene
 Concen: 18.851 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

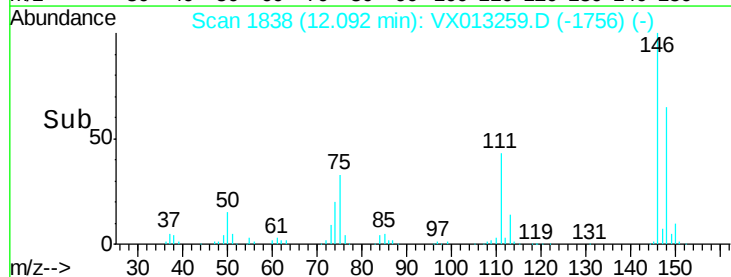
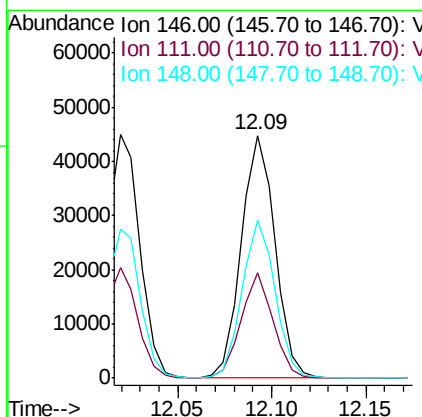
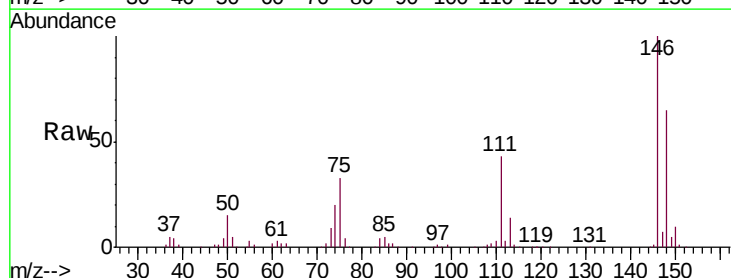
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

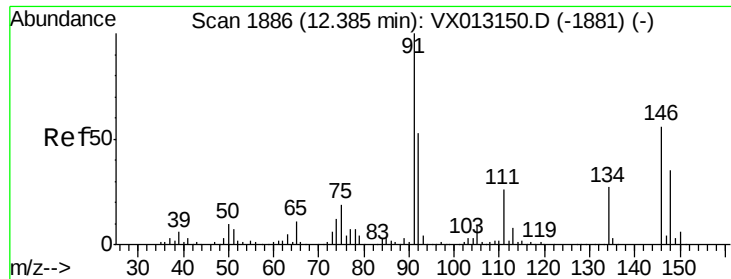
Tgt Ion:146 Resp: 56269
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.8 65.4
 148 61.8 31.2 93.6



#84
 1,4-Dichlorobenzene
 Concen: 18.831 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion:146 Resp: 55590
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.3 60.9
 148 63.8 31.4 94.2

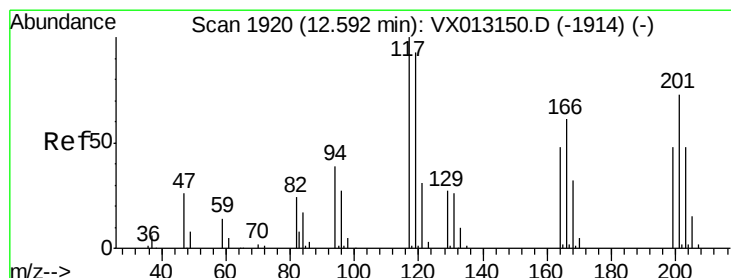
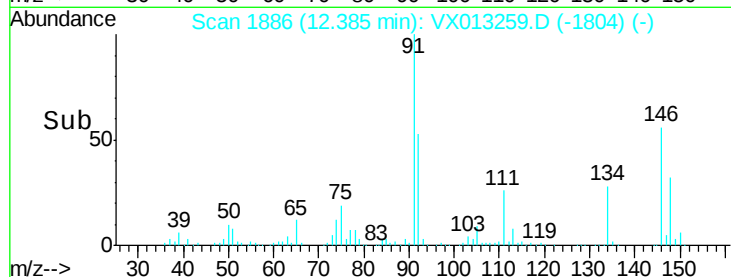
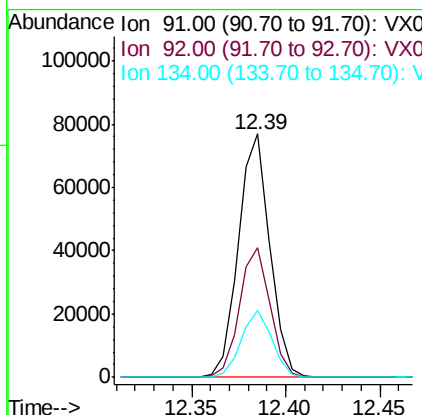
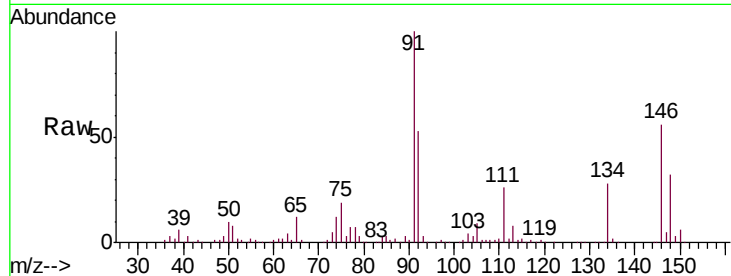




#85
n-Butylbenzene
Concen: 17.520 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

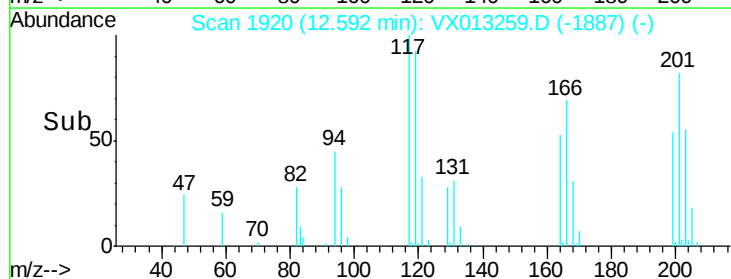
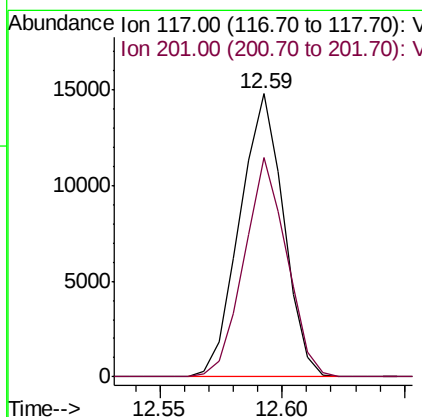
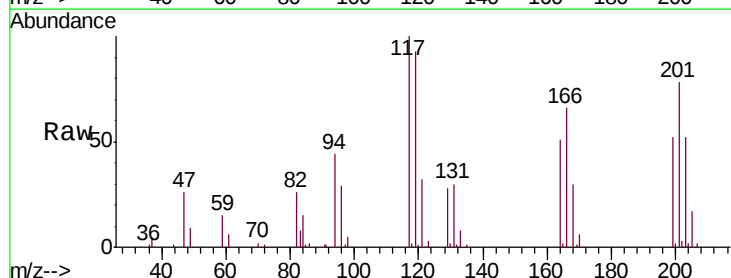
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

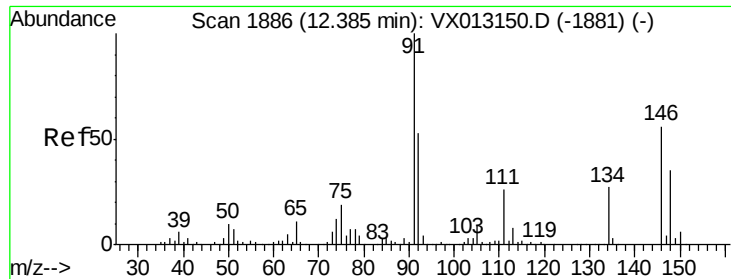
Tgt Ion: 91 Resp: 89238
Ion Ratio Lower Upper
91 100
92 51.8 0.0 106.8
134 26.9 0.0 52.4



#86
Hexachloroethane
Concen: 17.696 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013259.D
Acq: 28 Oct 2019 19:37

Tgt Ion: 117 Resp: 18521
Ion Ratio Lower Upper
117 100
201 75.2 35.9 107.5

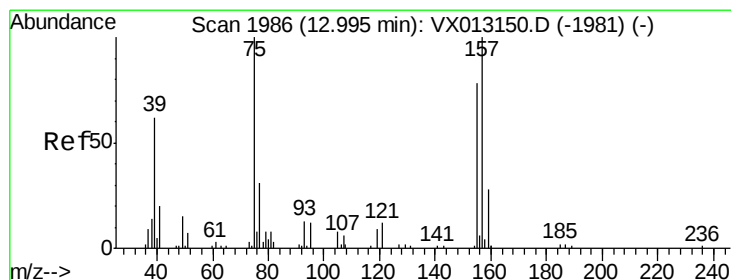
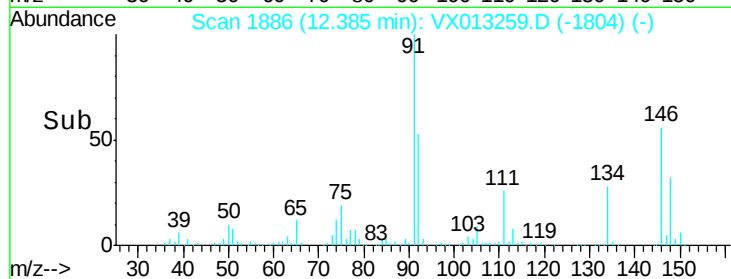
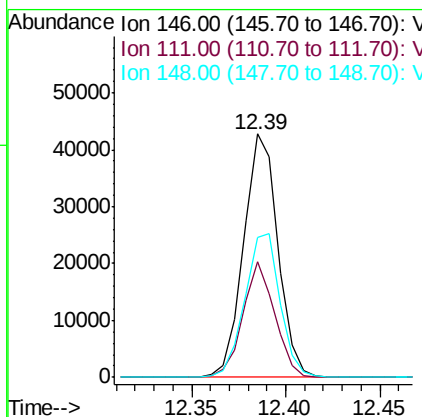
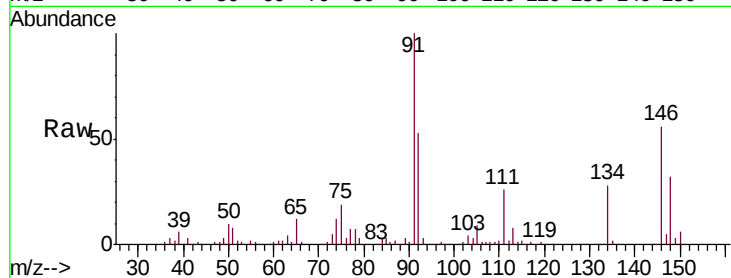




#87
 1,2-Dichlorobenzene
 Concen: 18.669 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

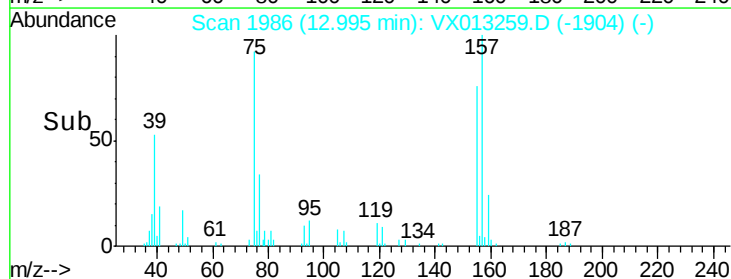
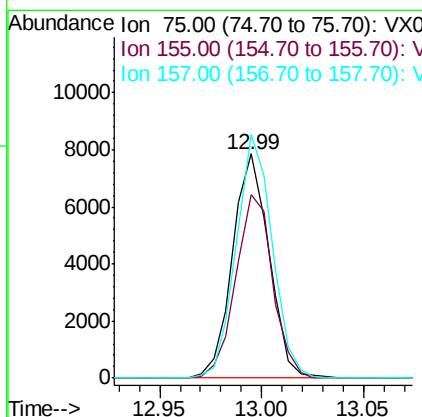
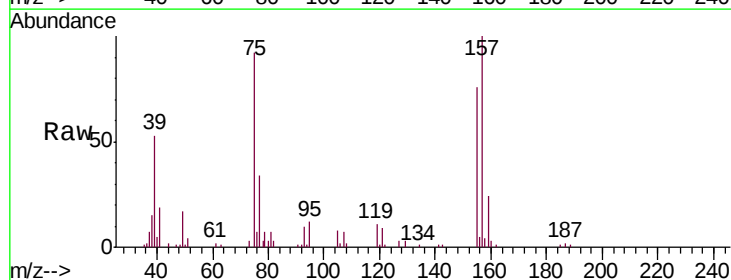
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

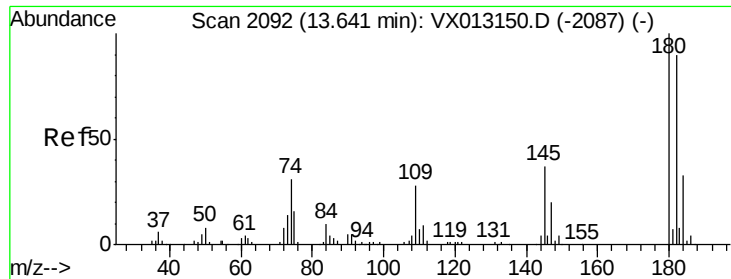
Tgt Ion:146 Resp: 54057
 Ion Ratio Lower Upper
 146 100
 111 43.9 22.5 67.5
 148 60.7 31.4 94.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.964 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion: 75 Resp: 9752
 Ion Ratio Lower Upper
 75 100
 155 82.6 65.4 98.0
 157 107.2 84.1 126.1

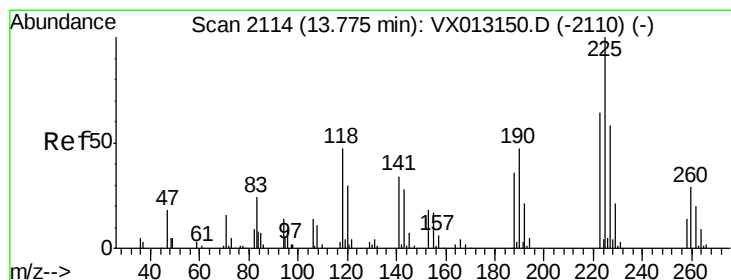
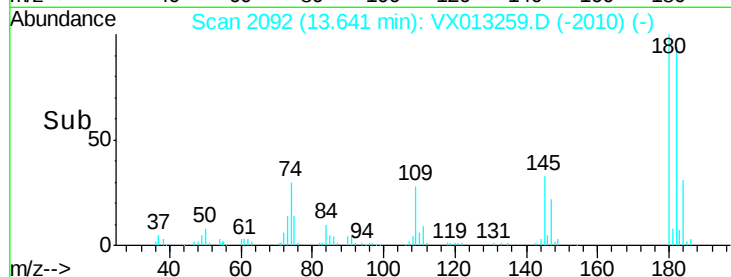
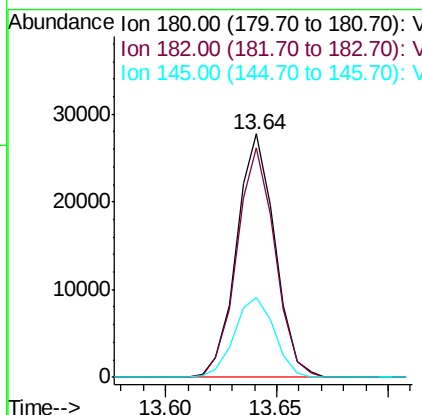
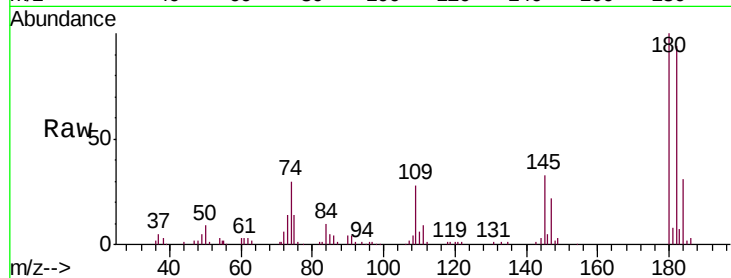




#89
 1,2,4-Trichlorobenzene
 Concen: 18.444 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

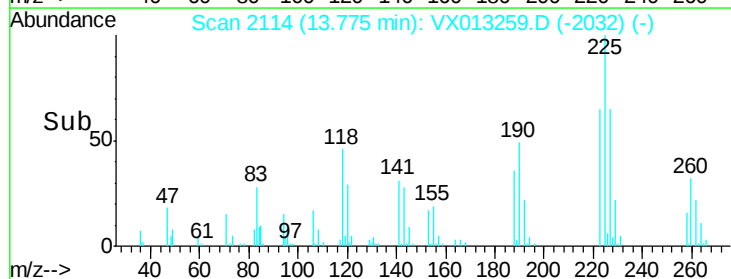
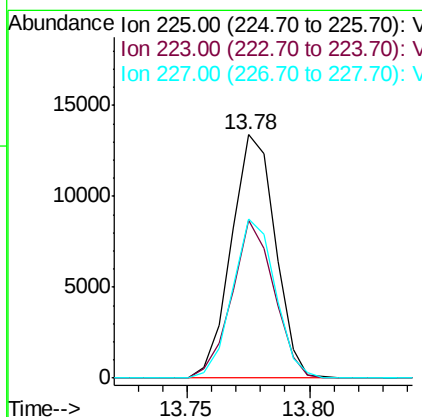
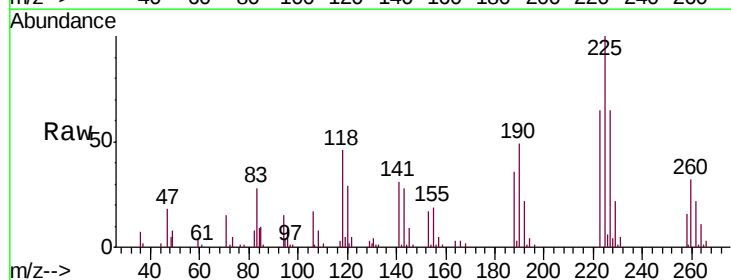
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 ClientSampleId :
 VSTDCCC020EC

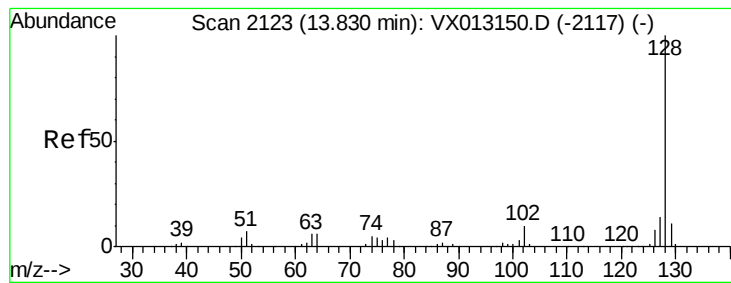
Tgt Ion:180 Resp: 33214
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.1 114.1
 145 34.4 27.4 41.2



#90
 Hexachlorobutadiene
 Concen: 18.293 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013259.D
 Acq: 28 Oct 2019 19:37

Tgt Ion:225 Resp: 16725
 Ion Ratio Lower Upper
 225 100
 223 62.1 0.0 131.2
 227 63.7 0.0 127.0





#91

Naphthalene

Concen: 18.219 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

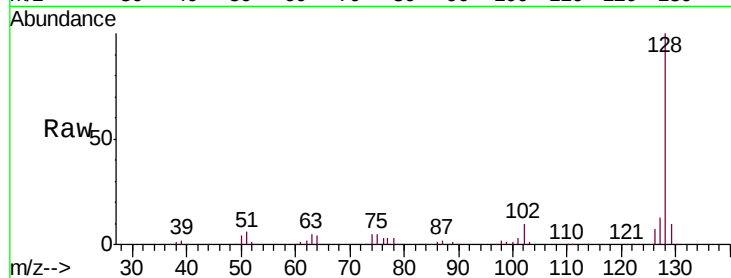
Tgt Ion:128 Resp: 106719

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

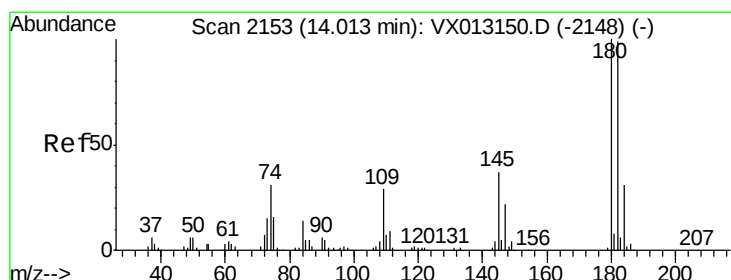
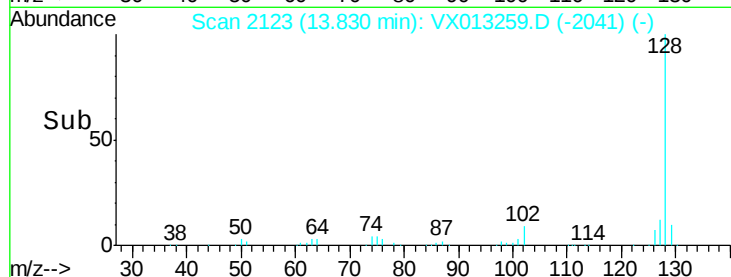
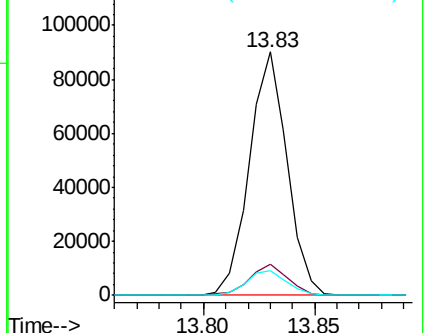
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.235 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

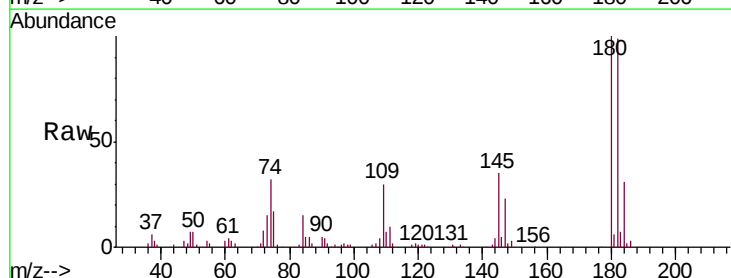
Tgt Ion:180 Resp: 33642

Ion Ratio Lower Upper

180 100

182 96.2 0.0 194.4

145 35.6 0.0 71.2



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

