

Data File : VX015242.D
Acq On : 12 Mar 2020 18:45
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Quant Time: Mar 13 03:42:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X031220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 12 14:12:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	46121	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	249887	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	232144	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	92158	29.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.73%
60) 4-Bromofluorobenzene	11.13	95	109122	29.53	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.43%
63) Toluene-d8	8.71	98	324565	32.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	108.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	44207	19.059 ug/l	97
3) Chloromethane	1.32	50	65765	19.638 ug/l	99
4) Vinyl Chloride	1.40	62	67436	19.789 ug/l	99
5) Bromomethane	1.64	94	45215	20.366 ug/l	95
6) Chloroethane	1.72	64	43680	20.407 ug/l	100
7) Trichlorofluoromethane	1.93	101	85549	19.691 ug/l	95
8) Diethyl Ether	2.18	74	38598	20.045 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	46756	17.549 ug/l	99
10) 1,1-Dichloroethene	2.37	96	48996	18.240 ug/l	96
11) Methyl Iodide	2.50	142	45576	16.496 ug/l	97
12) Methyl Acetate	2.76	43	64376	19.428 ug/l	99
13) Acrolein	2.28	56	43876	83.848 ug/l	99
14) Acrylonitrile	3.13	53	147794	96.119 ug/l	99
15) Acetone	2.44	58	37235	82.531 ug/l	88
16) Carbon Disulfide	2.56	76	136241	18.112 ug/l	100
17) Allyl chloride	2.72	41	90722	18.205 ug/l	96
18) Methylene Chloride	2.85	84	56949	18.760 ug/l	99
19) trans-1,2-Dichloroethene	3.16	96	54143	18.687 ug/l	96
20) Diisopropyl ether	3.84	45	186639	18.854 ug/l	97
21) 1,1-Dichloroethane	3.69	63	97659	18.619 ug/l	98
22) cis-1,2-Dichloroethene	4.59	96	60888	18.591 ug/l	95
23) tert-Butyl Alcohol	3.03	59	58703	97.649 ug/l	# 100
24) Methyl tert-Butyl Ether	3.18	73	163236	18.808 ug/l	100
25) Chloroform	5.20	83	94981	19.036 ug/l	99
26) Cyclohexane	5.57	56	89823	18.427 ug/l	# 100
29) 1,1-Dichloropropene	5.79	75	74628	19.462 ug/l	99
30) 2-Butanone	4.66	43	197771	96.307 ug/l	99
31) 2,2-Dichloropropane	4.57	77	71397	18.124 ug/l	100
33) Carbon Tetrachloride	5.78	117	67906	19.016 ug/l	95
34) Benzene	6.14	78	224505	19.321 ug/l	98
35) Methacrylonitrile	5.03	41	43016	19.375 ug/l	96
37) Trichloroethene	7.20	130	62958	19.591 ug/l	97
38) Methylcyclohexane	7.46	83	86991	18.671 ug/l	99
39) 1,2-Dichloropropane	7.51	63	57365	19.111 ug/l	92
40) Dibromomethane	7.65	93	37456	19.633 ug/l	99
41) Bromodichloromethane	7.89	83	73110	19.375 ug/l	94
42) Vinyl Acetate	3.81	43	773797	95.552 ug/l	100

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Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Quant Time: Mar 13 03:42:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X031220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 12 14:12:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.82	43	78037	20.029	ug/l	100
44) Isopropyl Acetate	6.43	43	126488	19.193	ug/l	98
45) 1,4-Dioxane	7.74	88	27043	417.803	ug/l	98
46) Methyl methacrylate	7.76	41	64001	19.695	ug/l	98
47) n-amyl Acetate	10.89	43	106075	17.938	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	85109	20.743	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	90682	19.462	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	62420	22.127	ug/l	97
51) Ethyl methacrylate	9.17	69	90026	20.452	ug/l	96
52) 1,3-Dichloropropane	9.37	76	104749	21.940	ug/l	99
53) Dibromochloromethane	9.57	129	62783	20.898	ug/l	96
54) 1,2-Dibromoethane	9.67	107	62335	21.421	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	227474	103.183	ug/l	100
56) Bromoform	10.85	173	45574	19.348	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	429009	108.551	ug/l	100
59) 2-Hexanone	9.48	43	319798	107.058	ug/l	99
61) Tetrachloroethene	9.33	164	70179	21.717	ug/l	95
62) Toluene	8.78	91	259433	21.119	ug/l	100
64) Chlorobenzene	10.14	112	152493	19.427	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	57068	19.739	ug/l	98
66) Ethyl Benzene	10.25	91	259893	18.992	ug/l	100
67) m/p-Xylenes	10.35	106	201221	38.306	ug/l	99
68) o-Xylene	10.70	106	97710	19.401	ug/l	97
69) Styrene	10.71	104	167439	19.103	ug/l	100
70) Isopropylbenzene	11.01	105	257985	19.245	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	82596	18.981	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	95097	26.699	ug/l	84
73) Bromobenzene	11.25	156	69356	18.971	ug/l	100
74) n-propylbenzene	11.35	91	297789	18.804	ug/l	99
75) 2-Chlorotoluene	11.42	91	174271	18.848	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	213506	18.658	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	25972	17.411	ug/l	94
78) 4-Chlorotoluene	11.51	91	199636	18.753	ug/l	100
79) tert-butylbenzene	11.76	119	206017	19.203	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	218274	19.293	ug/l	99
81) sec-Butylbenzene	11.94	105	250156	18.788	ug/l	100
82) p-Isopropyltoluene	12.06	119	230010	18.786	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	122366	18.943	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	125006	19.347	ug/l	99
85) n-Butylbenzene	12.39	91	201790	18.806	ug/l	99
86) Hexachloroethane	12.59	117	39601	18.475	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	122259	19.411	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	17167	19.162	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	90059	19.345	ug/l	99
90) Hexachlorobutadiene	13.78	225	43942	18.347	ug/l	98
91) Naphthalene	13.83	128	253062	19.622	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	91389	19.505	ug/l	100

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

Data File : VX015242.D

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Misc : 5.0mL/MSVOA X/WATER

```
ALS Vial      : 24      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

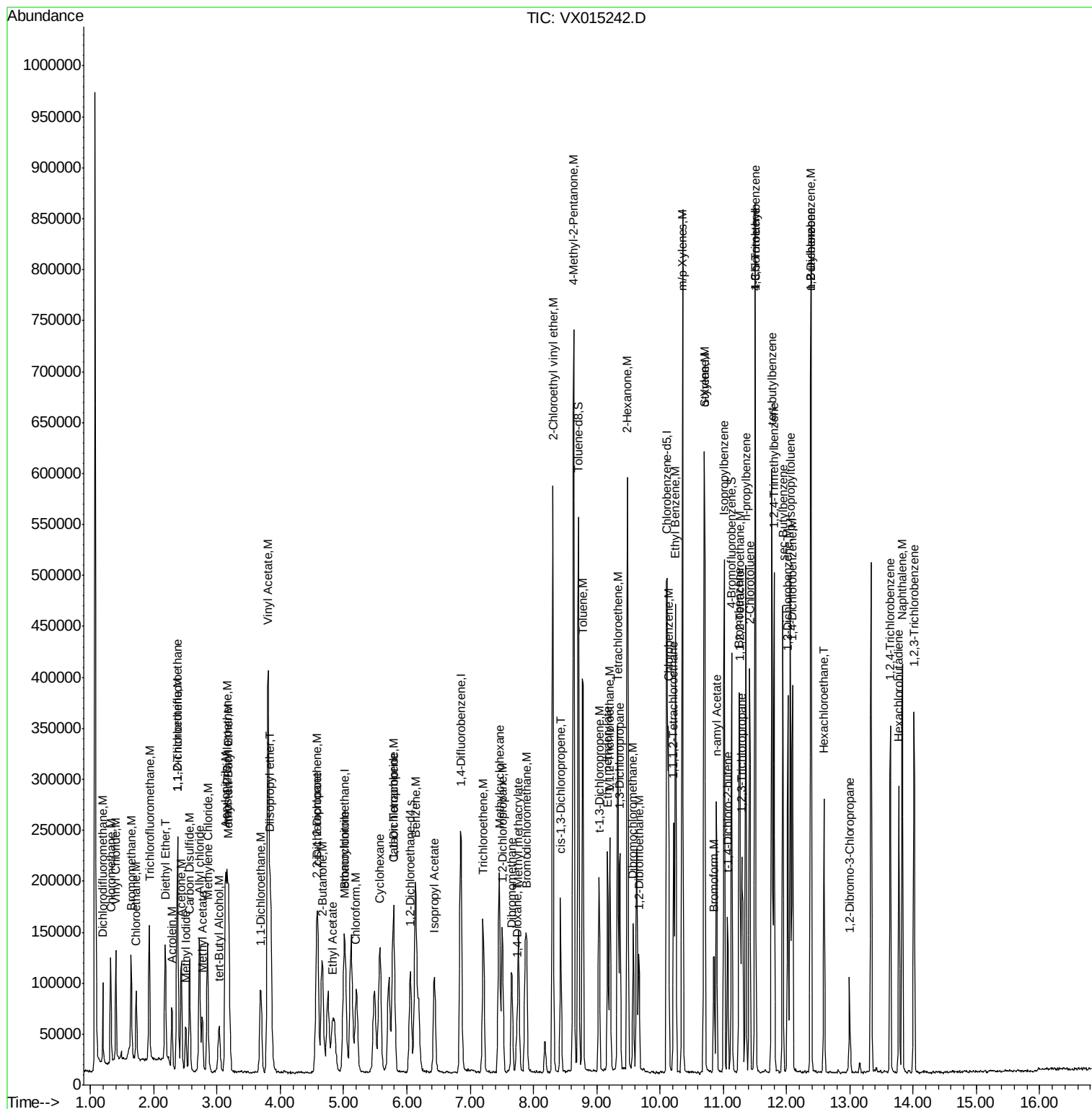
Quant Time: Mar 13 03:42:32 2020

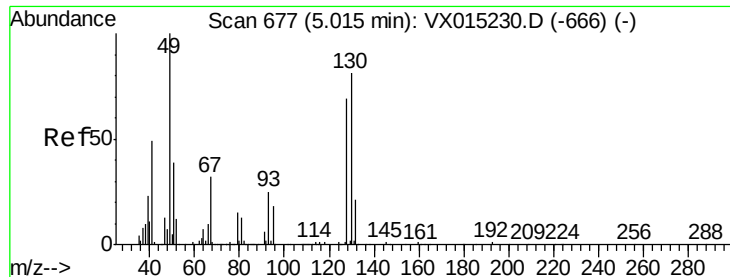
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_X\METHOD\624X031220W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Thu Mar 12 14:12:53 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

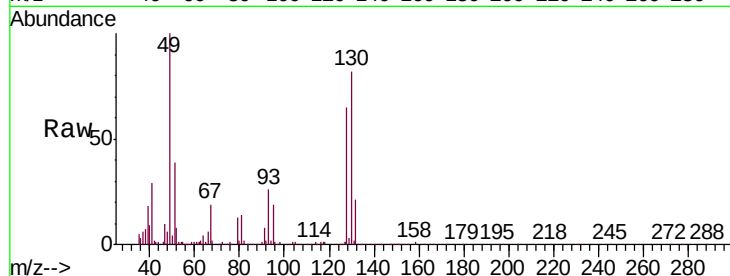
Tgt Ion:128 Resp: 46121

Ion Ratio Lower Upper

128 100

49 163.8 0.0 406.8

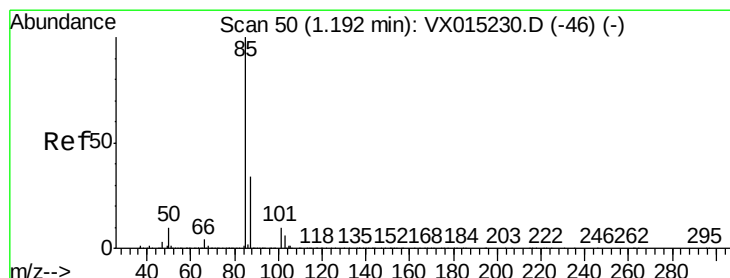
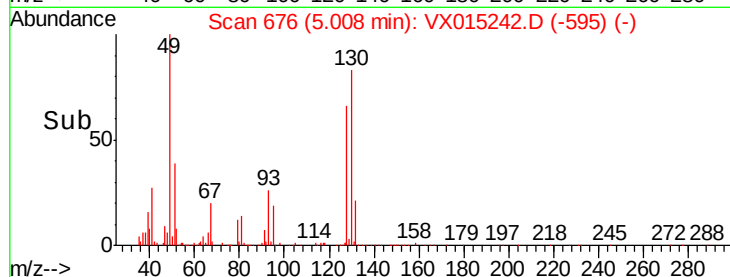
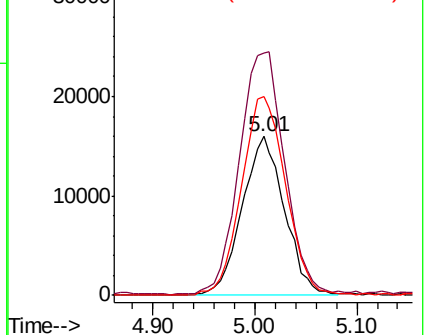
130 130.8 0.0 319.3



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: 19.059 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX015242.D

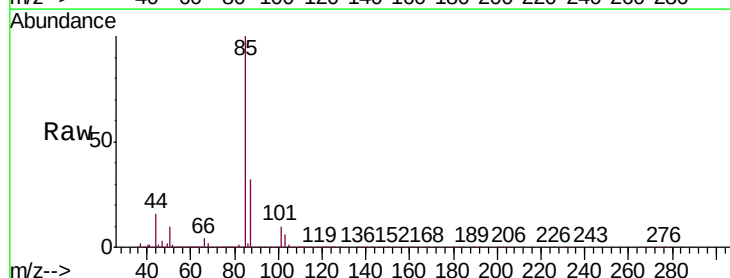
Acq: 12 Mar 2020 18:45

Tgt Ion: 85 Resp: 44207

Ion Ratio Lower Upper

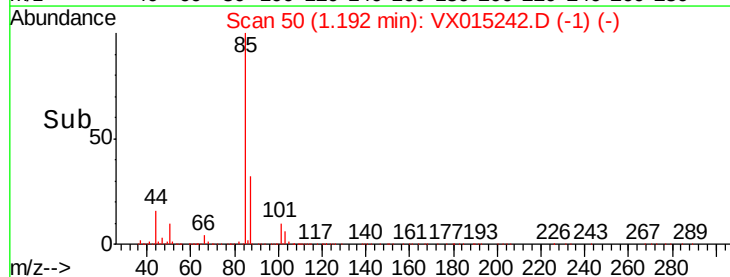
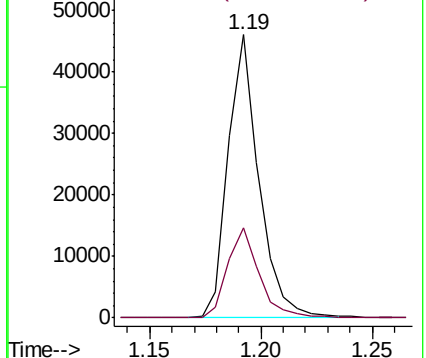
85 100

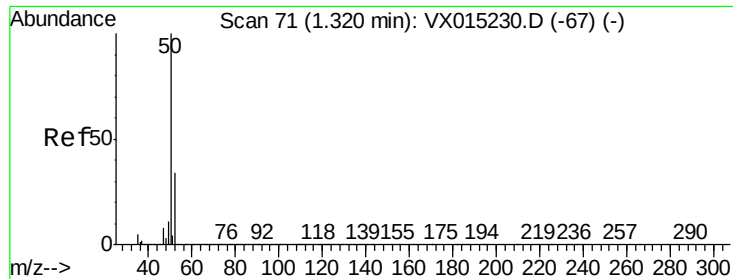
87 31.6 16.7 50.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

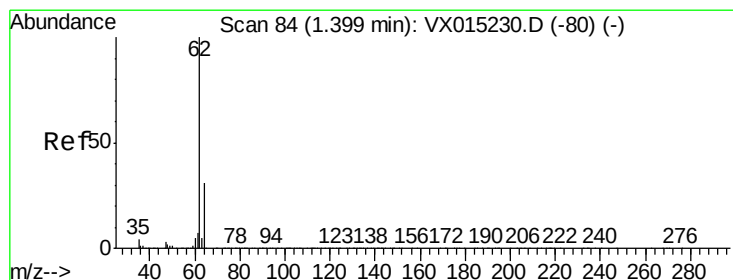
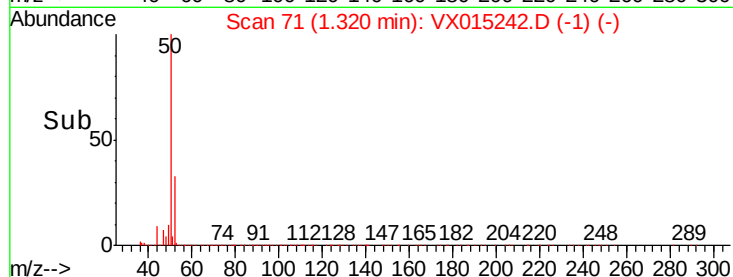
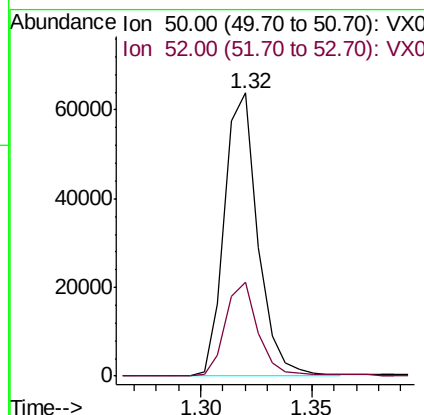
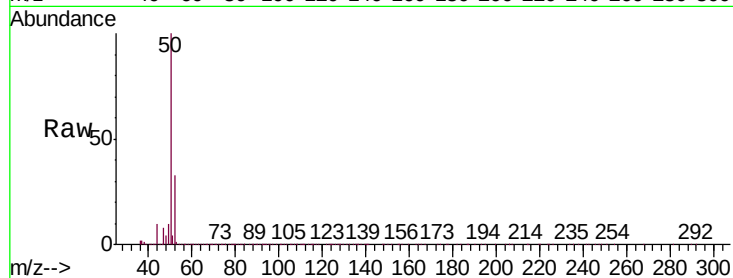




#3
Chloromethane
Concen: 19.638 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

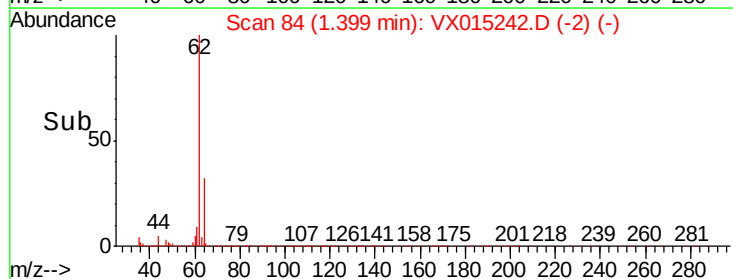
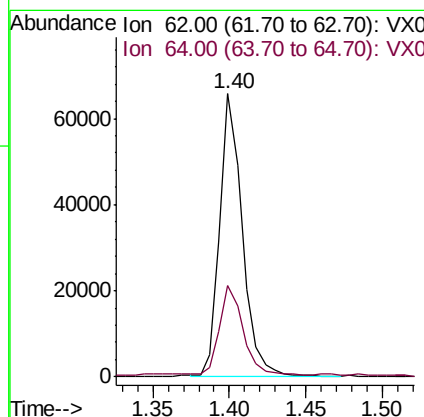
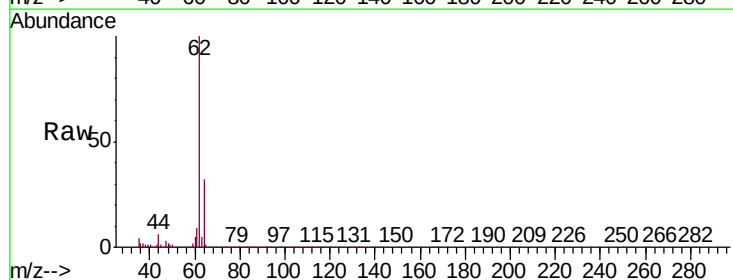
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

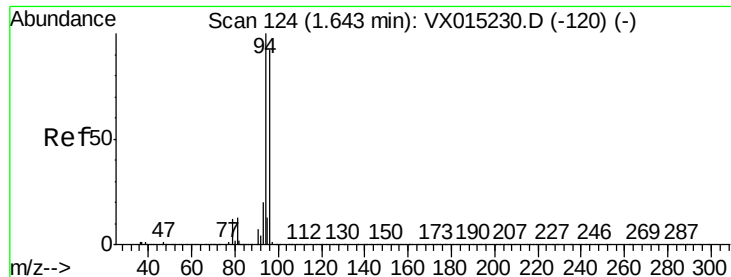
Tgt Ion: 50 Resp: 65765
Ion Ratio Lower Upper
50 100
52 33.0 26.9 40.3



#4
Vinyl Chloride
Concen: 19.789 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

Tgt Ion: 62 Resp: 67436
Ion Ratio Lower Upper
62 100
64 31.5 24.9 37.3





#5

Bromomethane

Concen: 20.366 ug/l

RT: 1.64 min Scan# 124

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

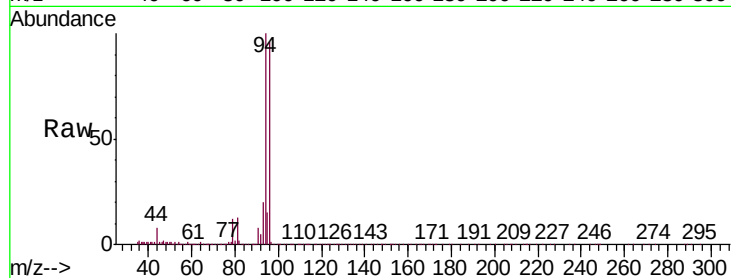
VSTDCCC020EC

Tgt Ion: 94 Resp: 45215

Ion Ratio Lower Upper

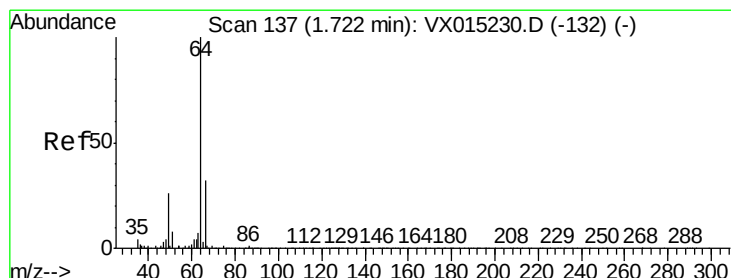
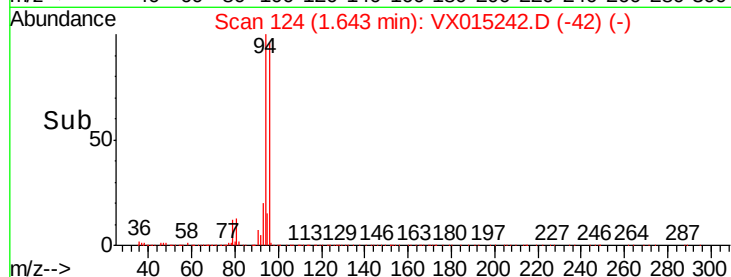
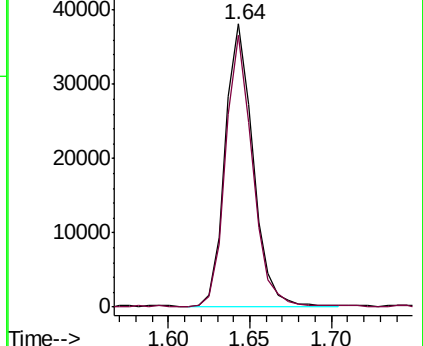
94 100

96 95.9 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 20.407 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX015242.D

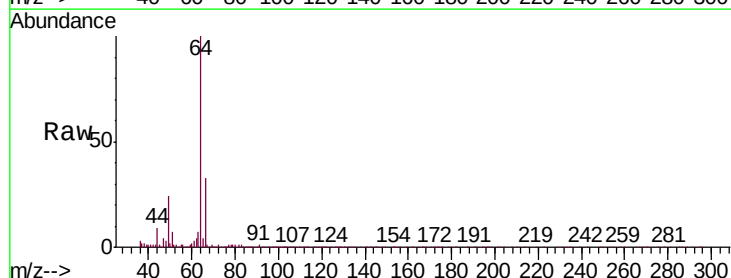
Acq: 12 Mar 2020 18:45

Tgt Ion: 64 Resp: 43680

Ion Ratio Lower Upper

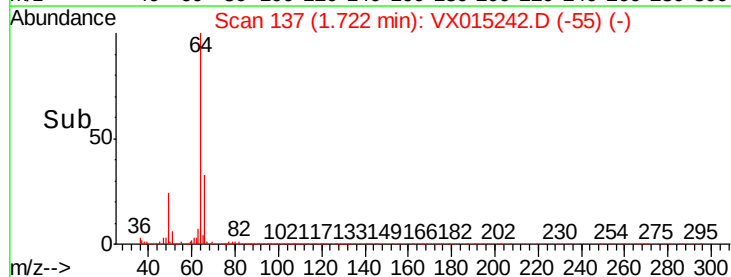
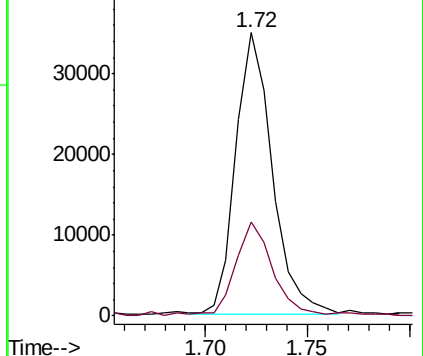
64 100

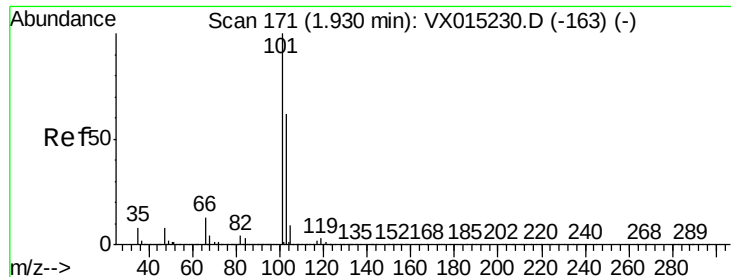
66 32.5 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



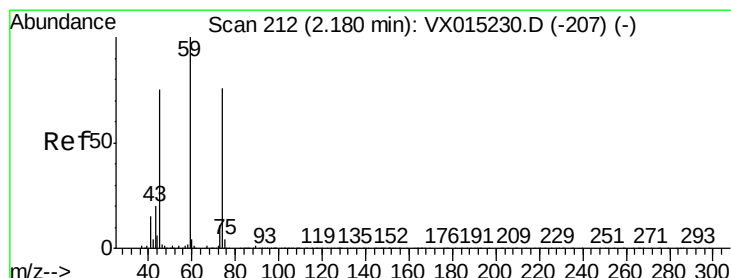
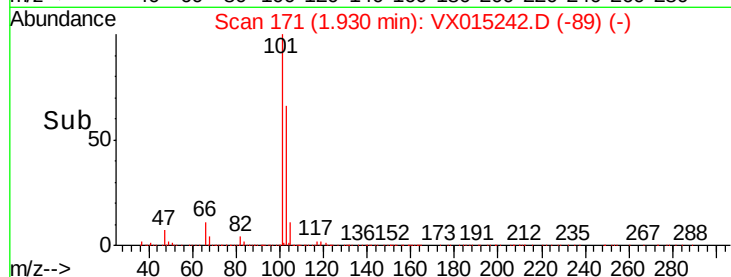
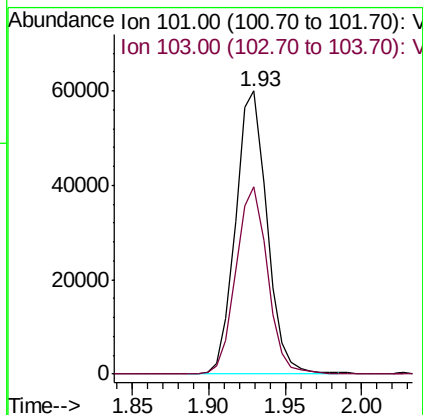
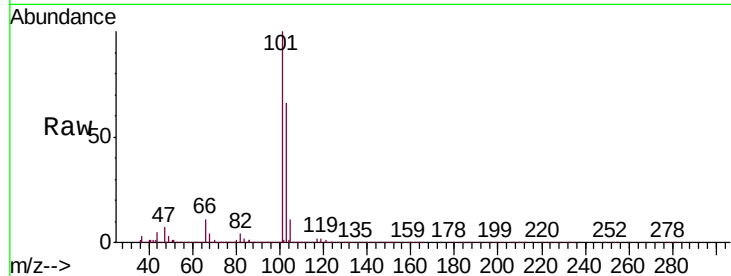


#7

Trichlorofluoromethane
Concen: 19.691 ug/l
RT: 1.93 min Scan# 171
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

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VSTDCCC020EC

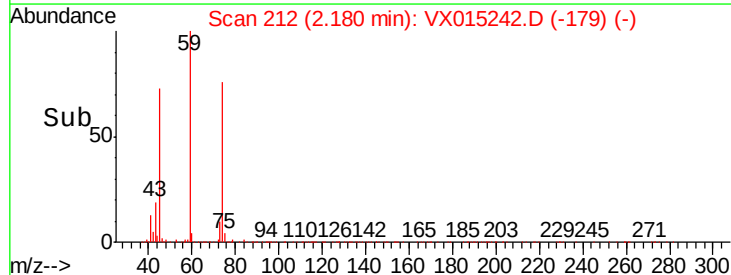
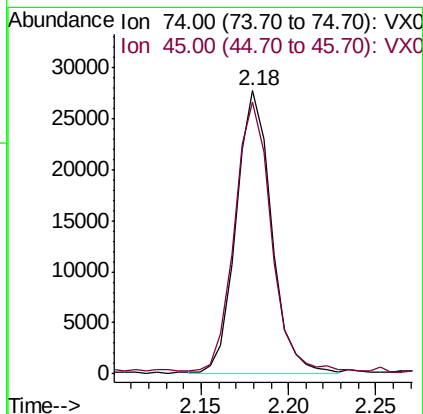
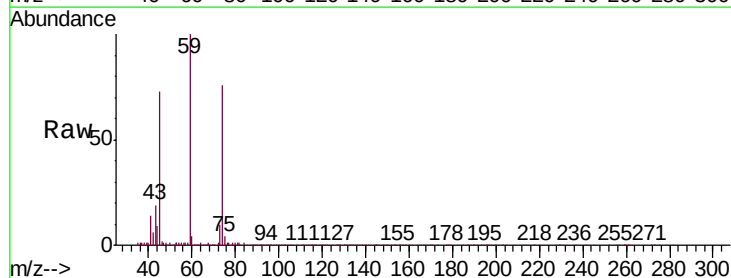
Tgt Ion:101 Resp: 85549
Ion Ratio Lower Upper
101 100
103 66.4 49.9 74.9

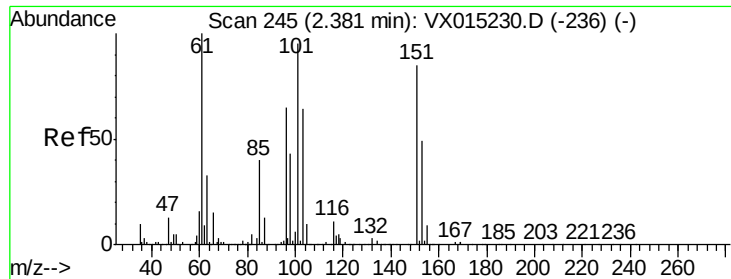


#8

Diethyl Ether
Concen: 20.045 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

Tgt Ion: 74 Resp: 38598
Ion Ratio Lower Upper
74 100
45 100.2 20.3 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.549 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

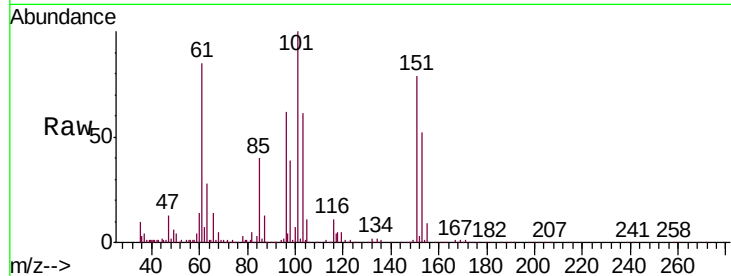
Tgt Ion:101 Resp: 46756

Ion Ratio Lower Upper

101 100

85 43.2 0.0 82.0

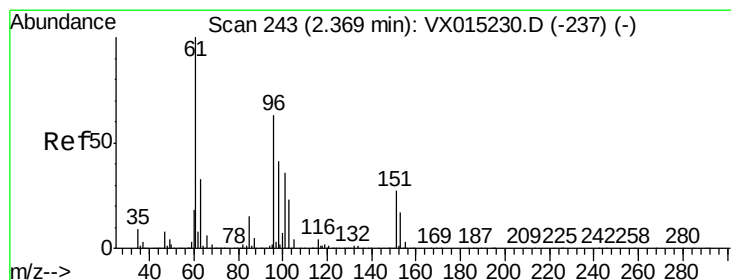
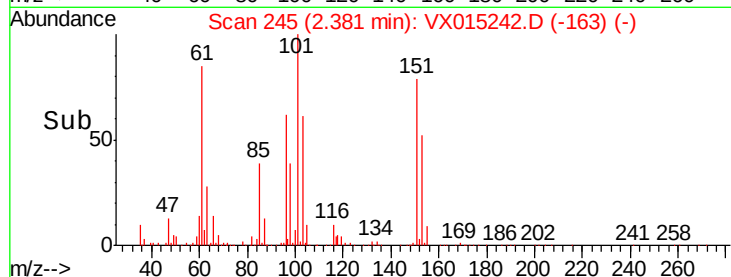
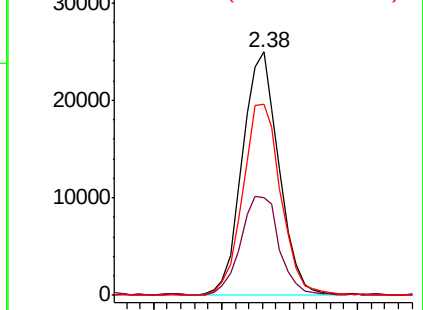
151 82.5 0.0 165.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.240 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

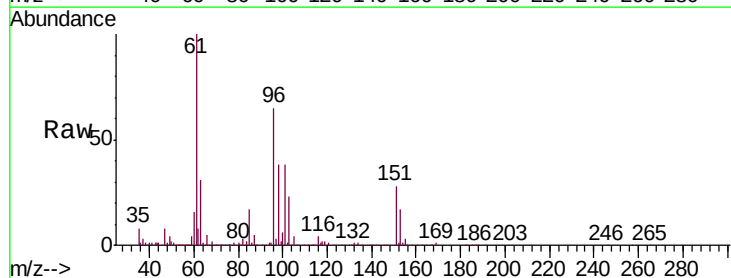
Tgt Ion: 96 Resp: 48996

Ion Ratio Lower Upper

96 100

61 154.8 126.2 189.2

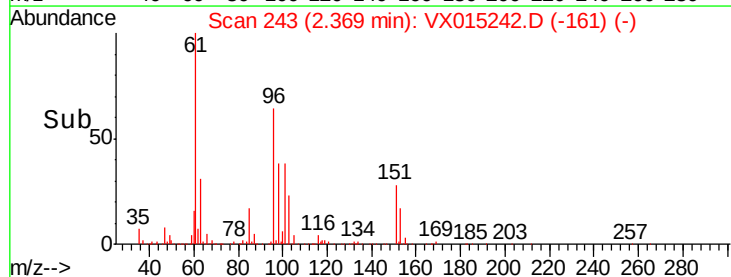
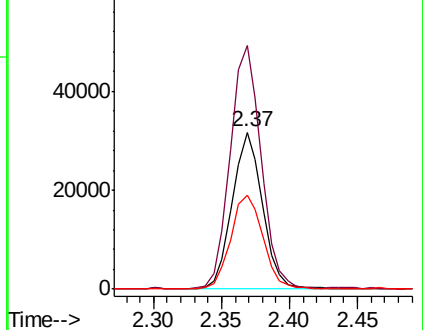
98 59.7 52.1 78.1

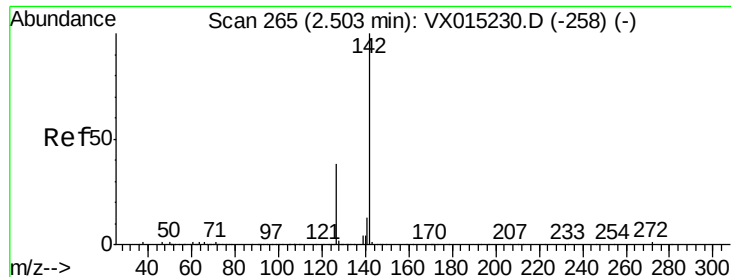


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

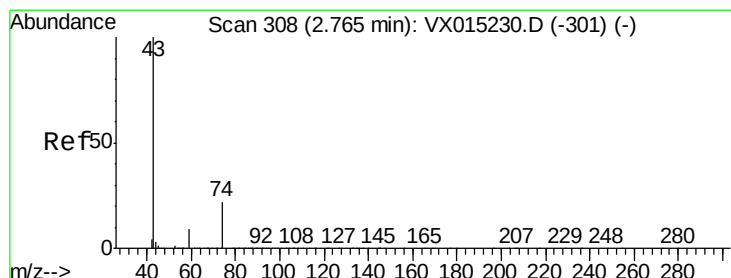
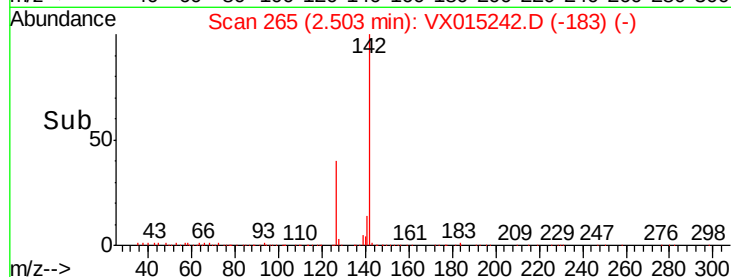
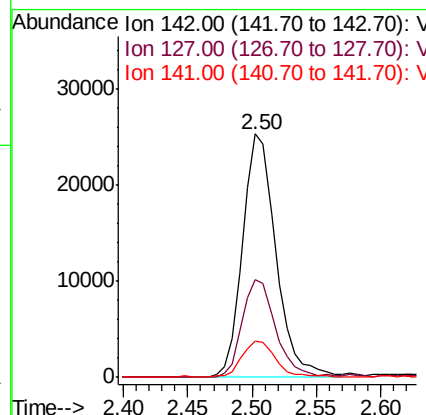
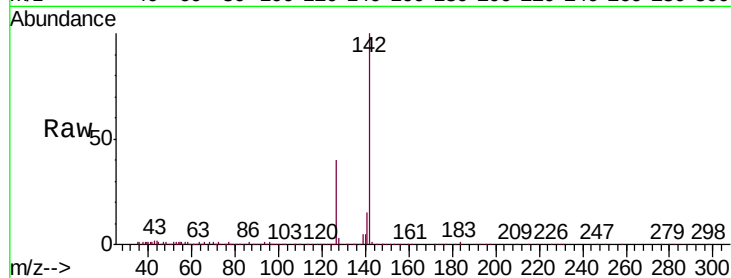




#11
Methyl Iodide
Concen: 16.496 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

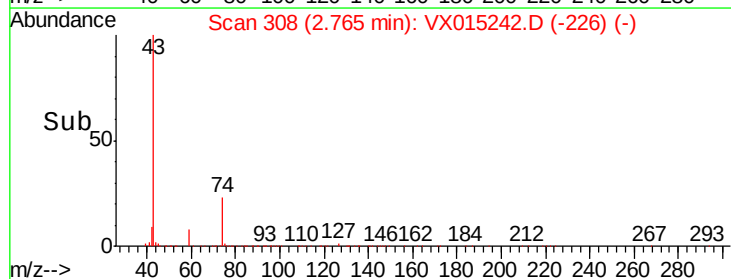
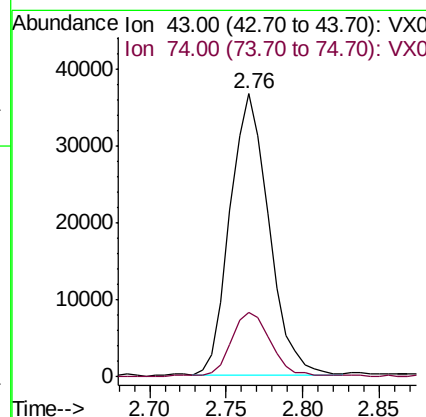
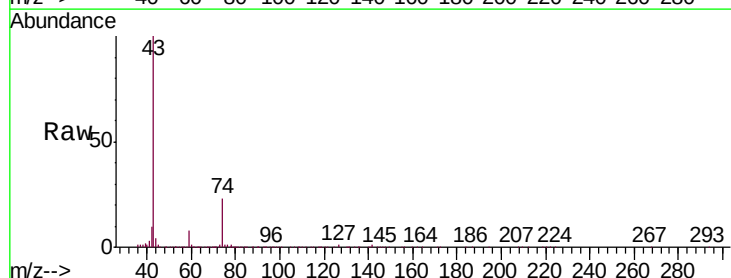
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

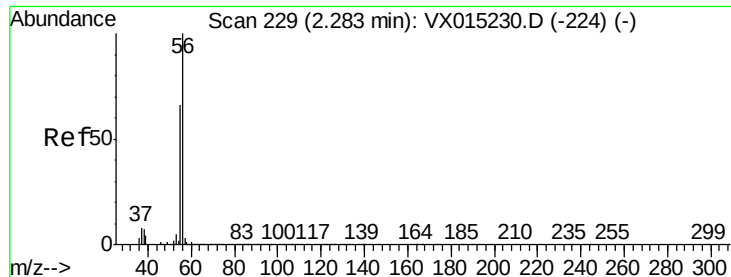
Tgt Ion:142 Resp: 45576
Ion Ratio Lower Upper
142 100
127 40.0 18.9 56.9
141 14.4 6.6 19.7



#12
Methyl Acetate
Concen: 19.428 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

Tgt Ion: 43 Resp: 64376
Ion Ratio Lower Upper
43 100
74 22.1 18.0 27.0





#13

Acrolein

Concen: 83.848 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

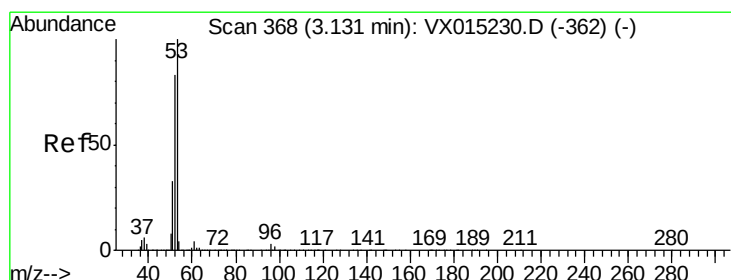
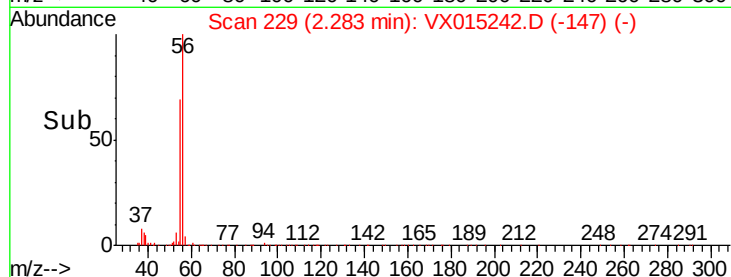
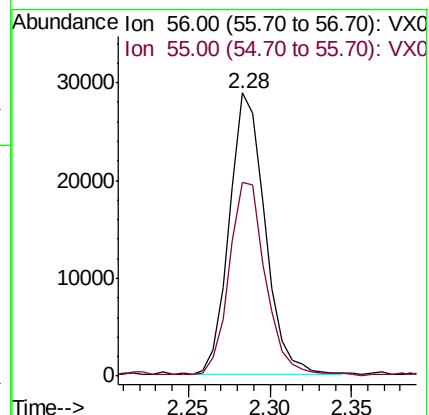
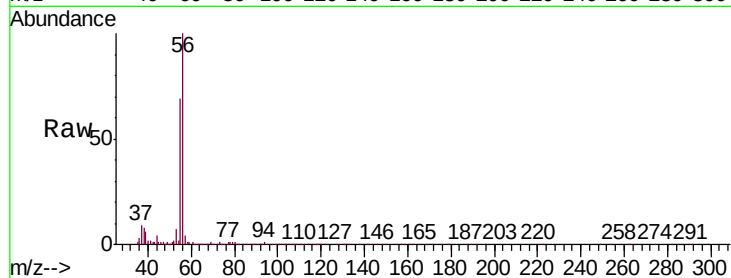
VSTDCCC020EC

Tgt Ion: 56 Resp: 43876

Ion Ratio Lower Upper

56 100

55 69.8 55.1 82.7



#14

Acrylonitrile

Concen: 96.119 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

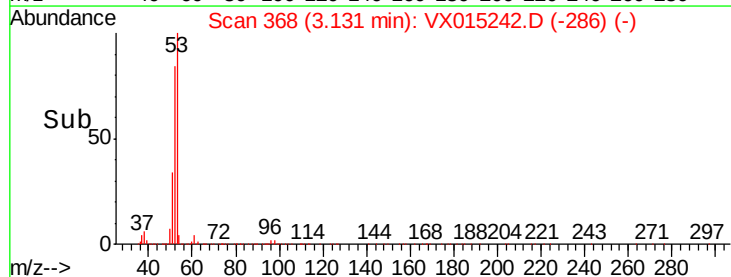
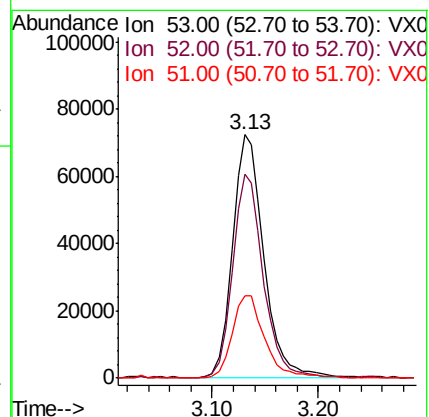
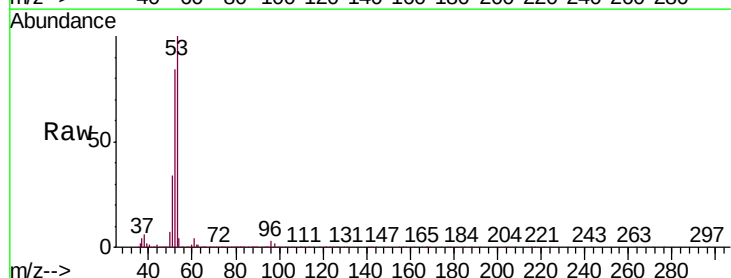
Tgt Ion: 53 Resp: 147794

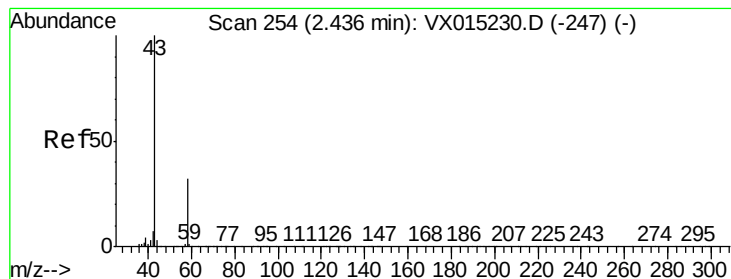
Ion Ratio Lower Upper

53 100

52 82.3 41.5 124.5

51 35.0 17.7 53.1





#15

Acetone

Concen: 82.531 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

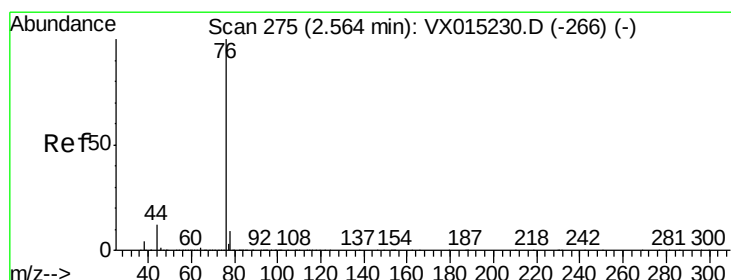
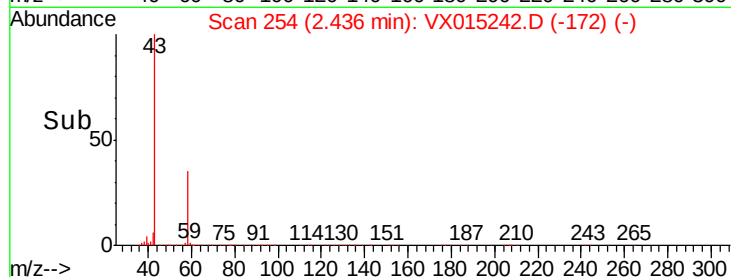
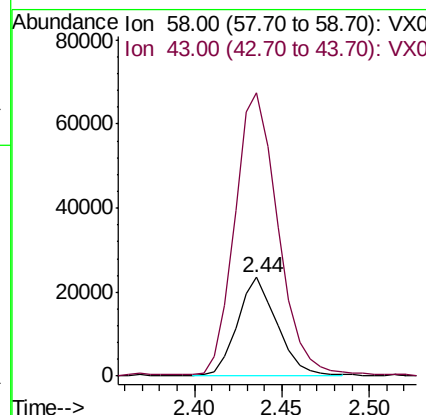
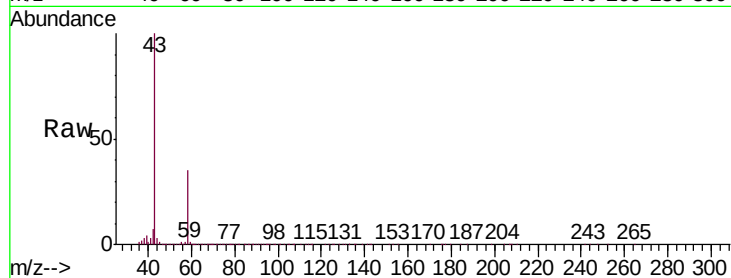
VSTDCCC020EC

Tgt Ion: 58 Resp: 37235

Ion Ratio Lower Upper

58 100

43 287.6 248.7 373.1



#16

Carbon Disulfide

Concen: 18.112 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX015242.D

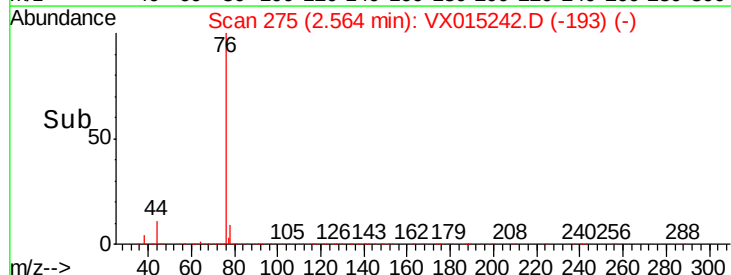
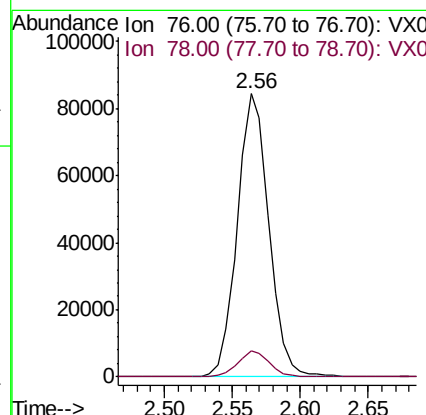
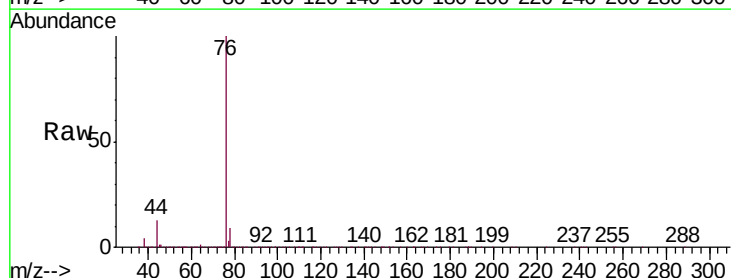
Acq: 12 Mar 2020 18:45

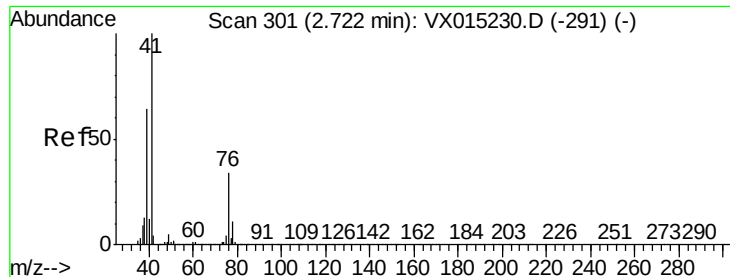
Tgt Ion: 76 Resp: 136241

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

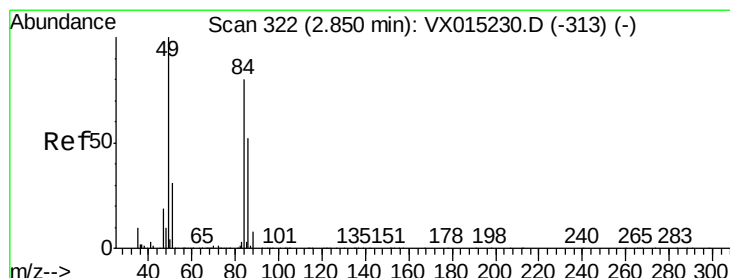
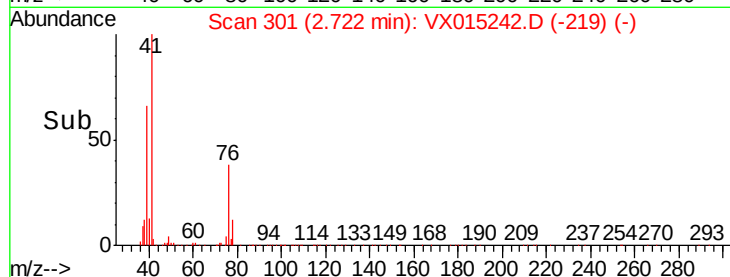
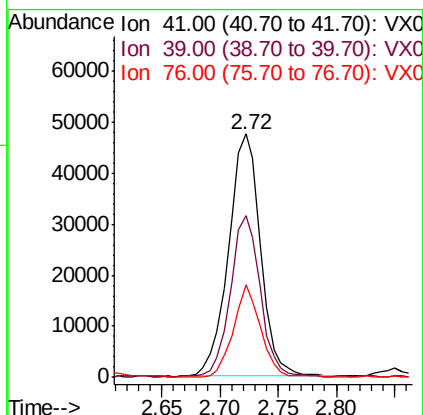
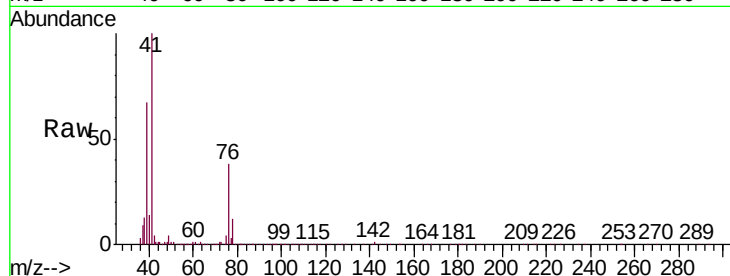




#17
 Allyl chloride
 Concen: 18.205 ug/l
 RT: 2.72 min Scan# 301
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

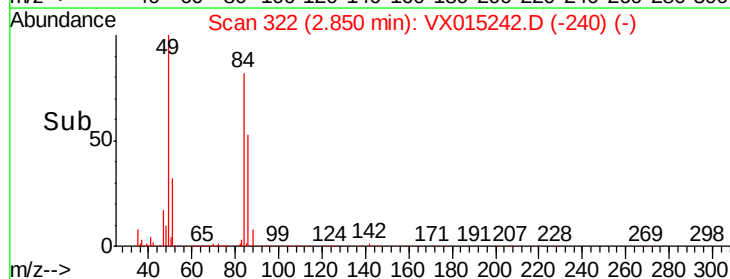
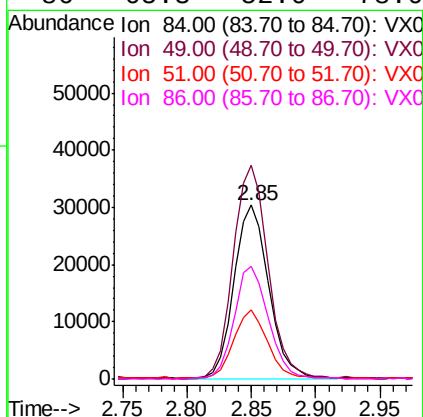
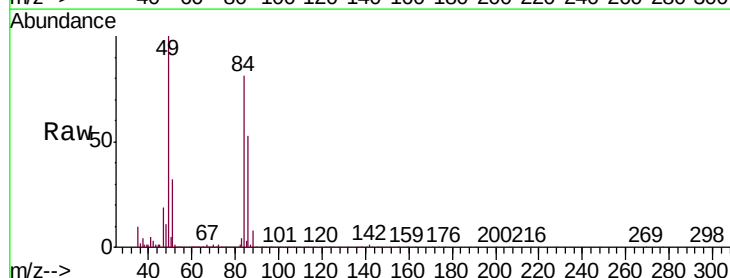
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

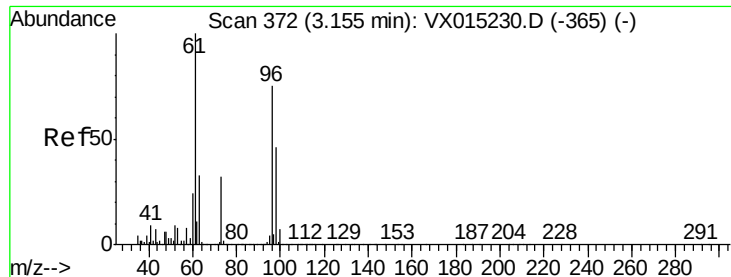
Tgt Ion: 41 Resp: 90722
 Ion Ratio Lower Upper
 41 100
 39 66.3 32.1 96.5
 76 37.7 17.2 51.5



#18
 Methylene Chloride
 Concen: 18.760 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

Tgt Ion: 84 Resp: 56949
 Ion Ratio Lower Upper
 84 100
 49 122.8 99.5 149.3
 51 39.6 31.0 46.6
 86 65.3 52.0 78.0





#19

trans-1,2-Dichloroethene

Concen: 18.687 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

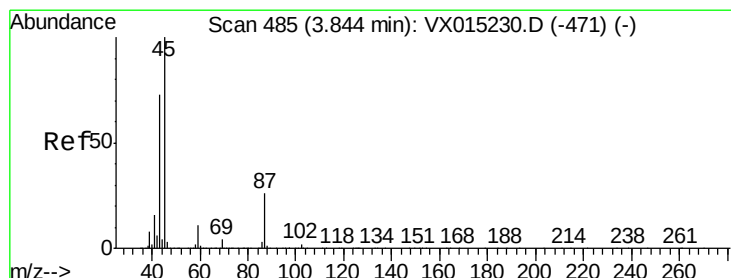
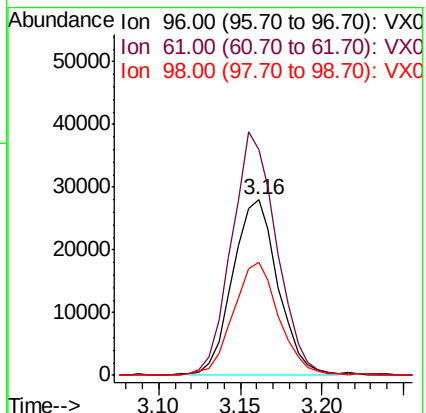
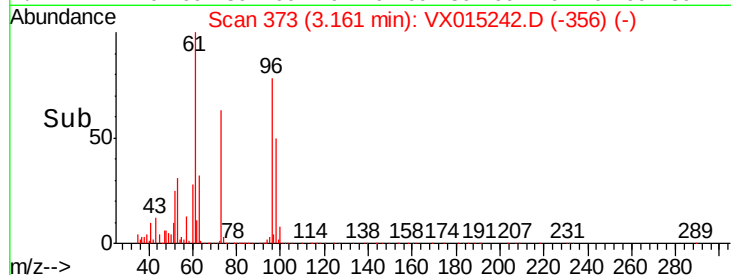
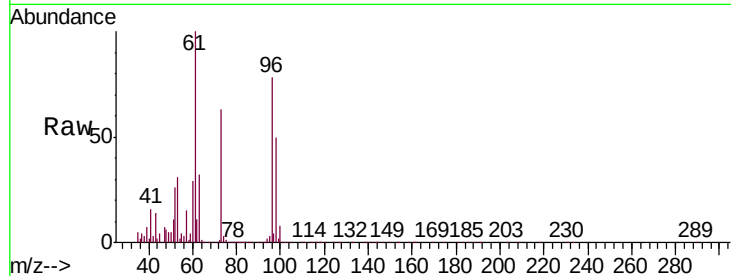
Tgt Ion: 96 Resp: 54143

Ion Ratio Lower Upper

96 100

61 128.6 106.3 159.5

98 64.4 49.1 73.7



#20

Diisopropyl ether

Concen: 18.854 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Tgt Ion: 45 Resp: 186639

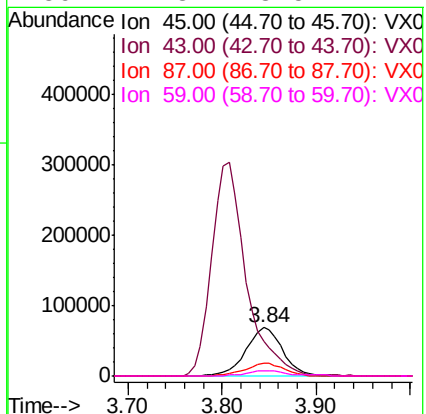
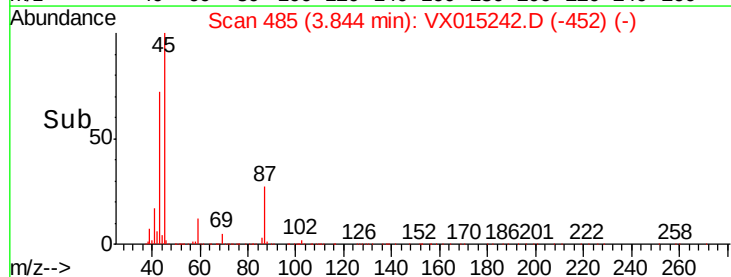
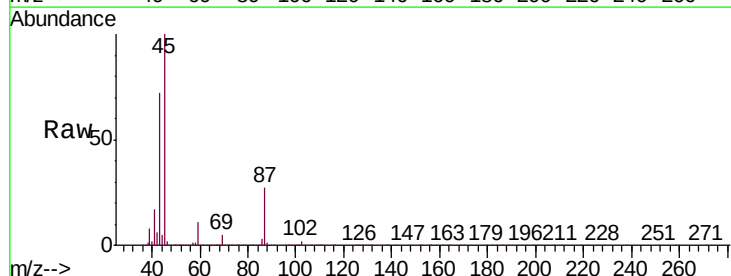
Ion Ratio Lower Upper

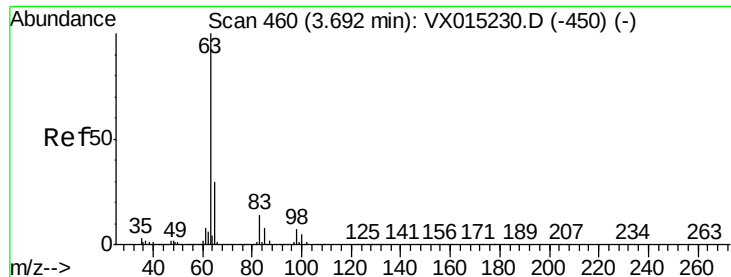
45 100

43 70.1 58.6 87.8

87 27.0 21.0 31.4

59 11.3 8.5 12.7





#21

1,1-Dichloroethane

Concen: 18.619 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

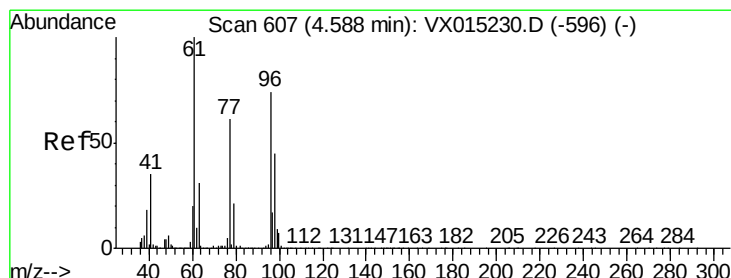
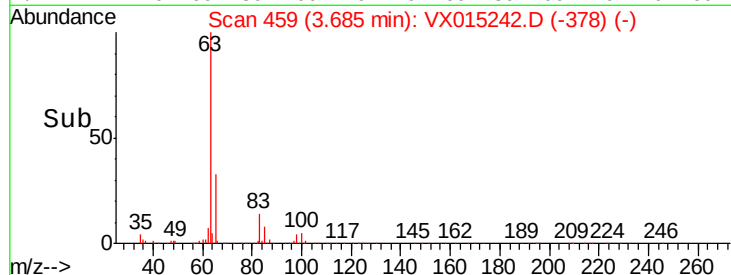
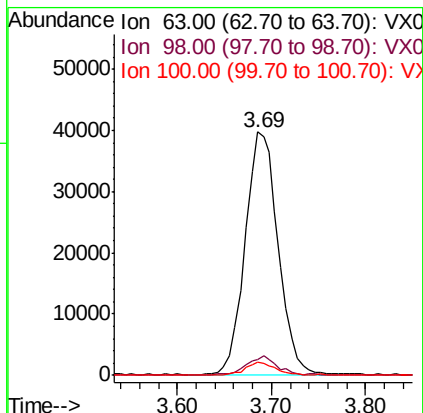
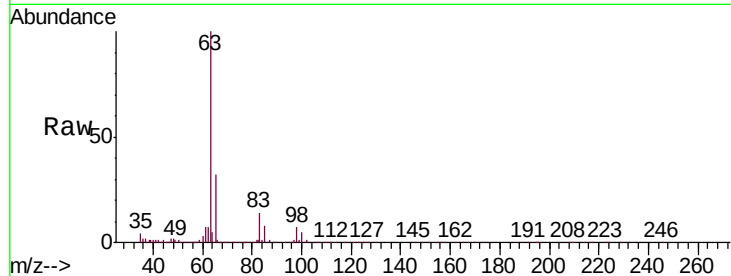
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion:	63	Resp:	97659
Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.6
100	5.4	2.4	7.1



#22

cis-1,2-Dichloroethene

Concen: 18.591 ug/l

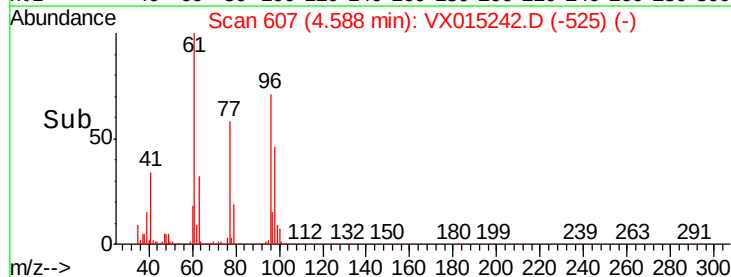
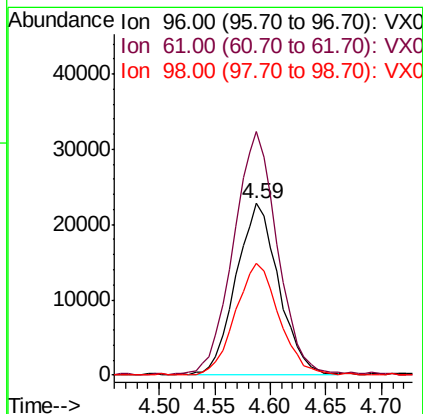
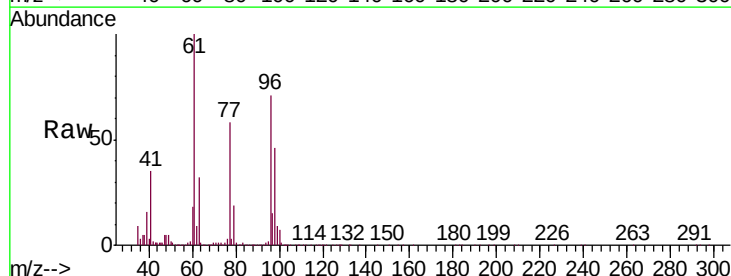
RT: 4.59 min Scan# 607

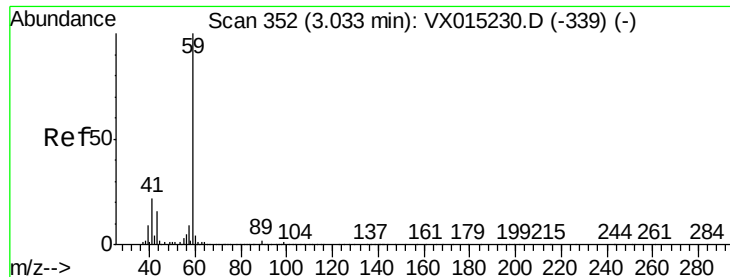
Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Tgt Ion:	96	Resp:	60888
Ion	Ratio	Lower	Upper
96	100		
61	144.9	111.4	167.0
98	66.6	50.1	75.1

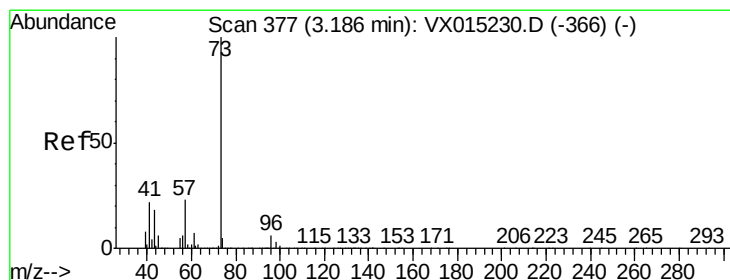
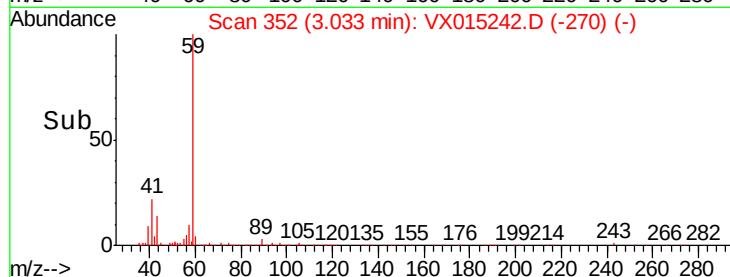
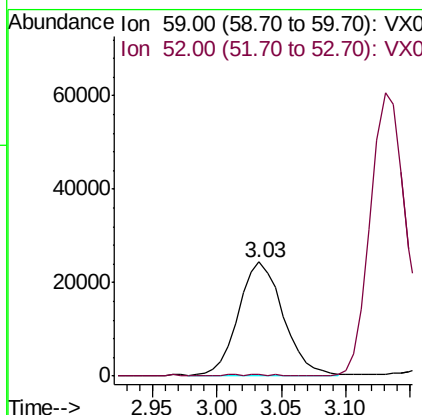
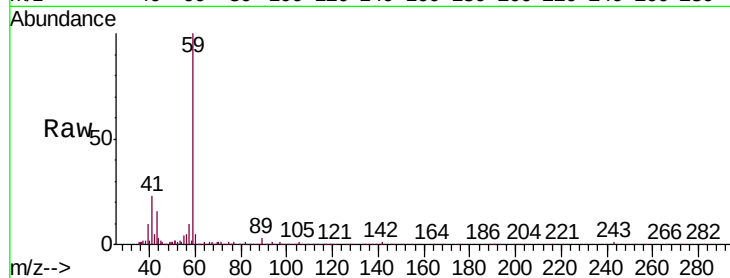




#23
 tert-Butyl Alcohol
 Concen: 97.649 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

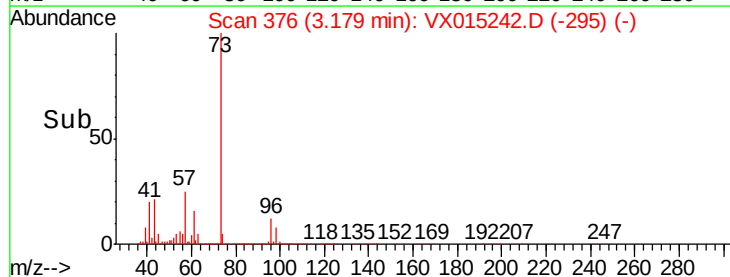
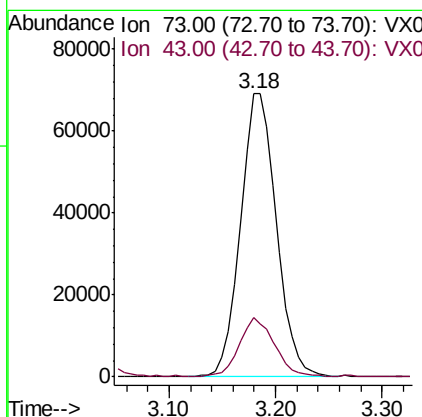
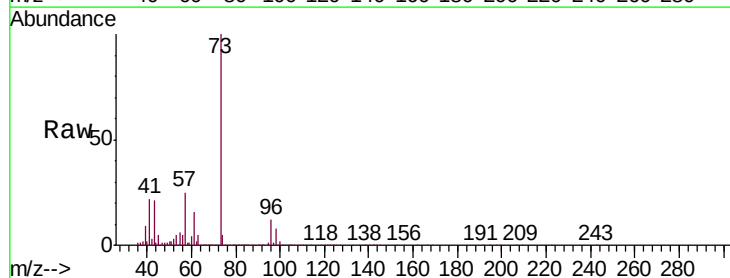
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

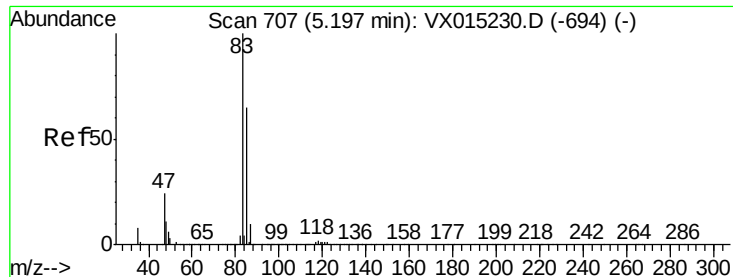
Tgt Ion: 59 Resp: 58703
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.4 0.6#



#24
 Methyl tert-Butyl Ether
 Concen: 18.808 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

Tgt Ion: 73 Resp: 163236
 Ion Ratio Lower Upper
 73 100
 43 19.9 15.9 23.9

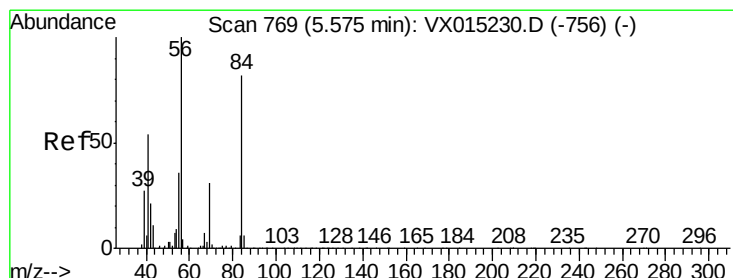
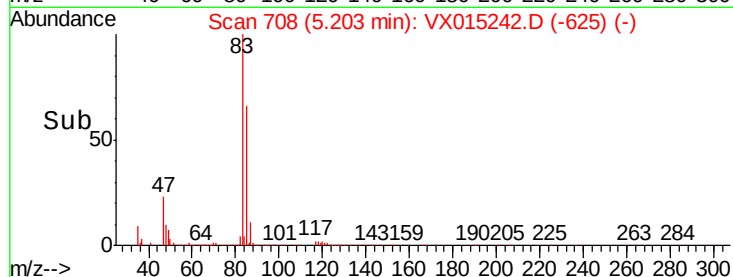
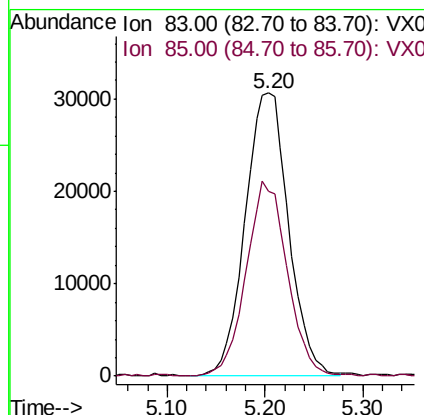
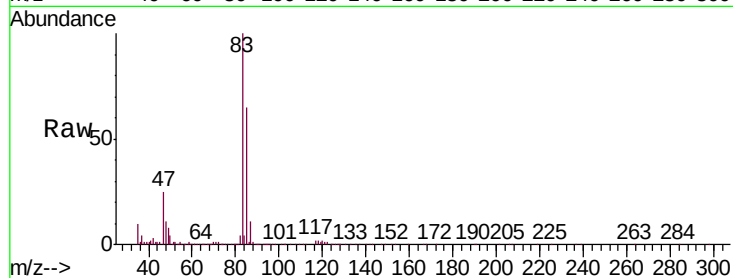




#25
Chloroform
Concen: 19.036 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

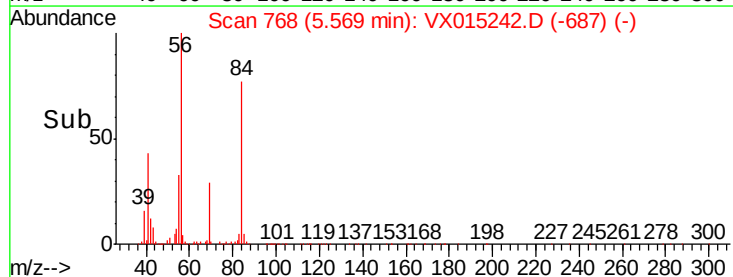
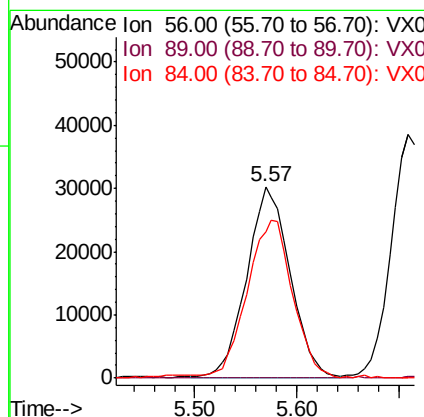
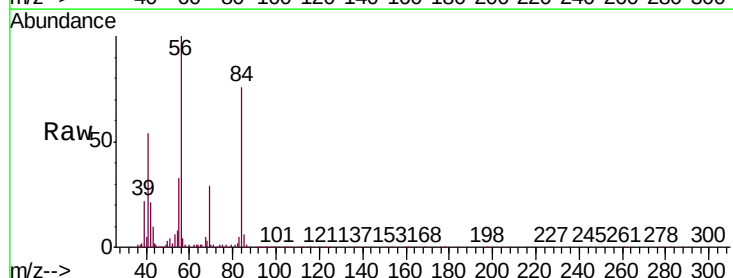
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

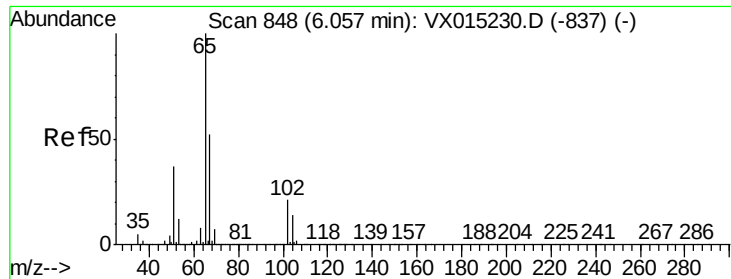
Tgt Ion: 83 Resp: 94981
Ion Ratio Lower Upper
83 100
85 65.0 51.4 77.2



#26
Cyclohexane
Concen: 18.427 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

Tgt Ion: 56 Resp: 89823
Ion Ratio Lower Upper
56 100
89 0.2 0.1 0.1#
84 85.4 68.2 102.4

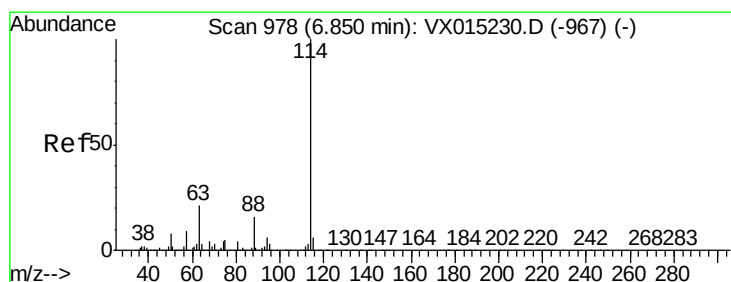
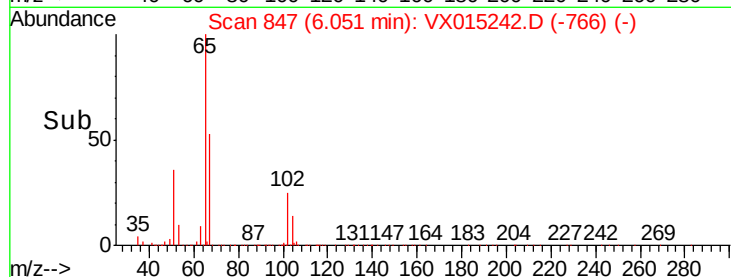
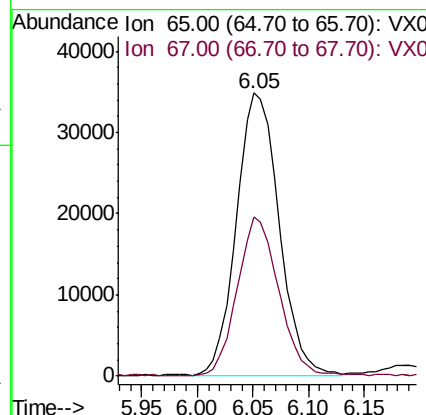
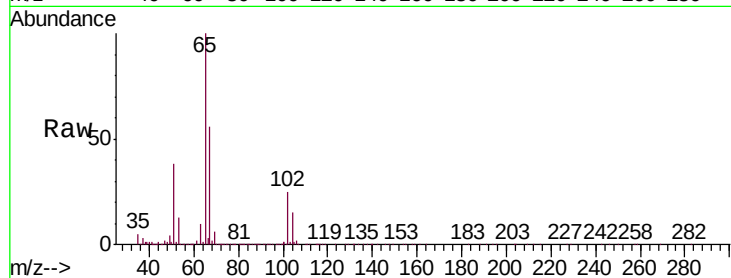




#27
 1,2-Dichloroethane-d4
 Concen: 29.620 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

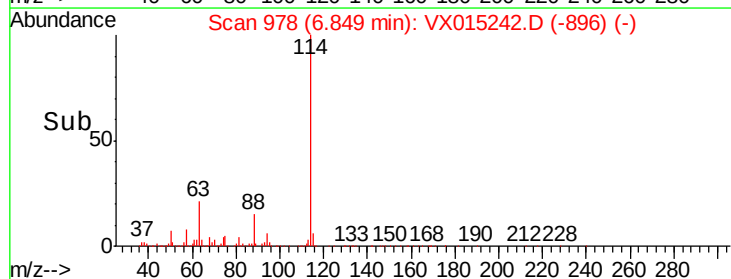
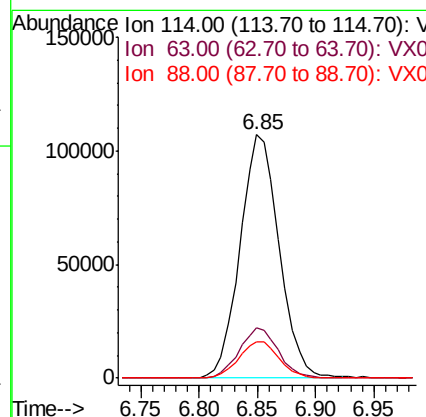
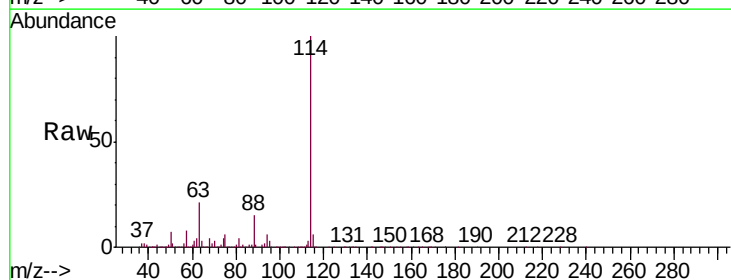
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

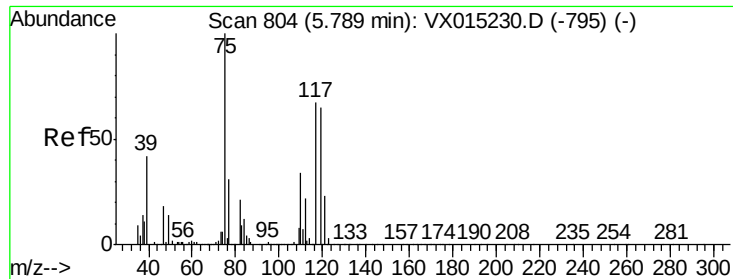
Tgt Ion: 65 Resp: 92158
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

Tgt Ion: 114 Resp: 249887
 Ion Ratio Lower Upper
 114 100
 63 20.6 16.6 24.8
 88 15.4 12.6 19.0





#29

1,1-Dichloropropene

Concen: 19.462 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

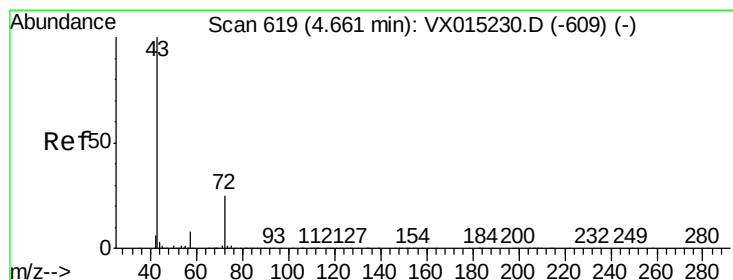
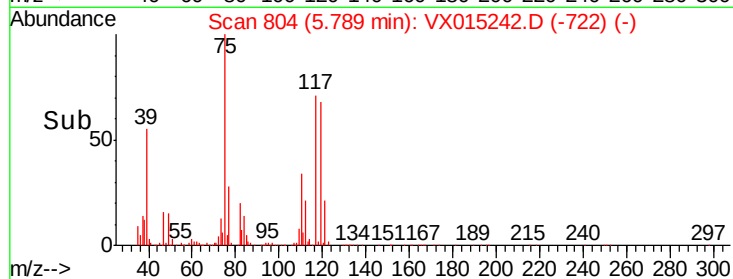
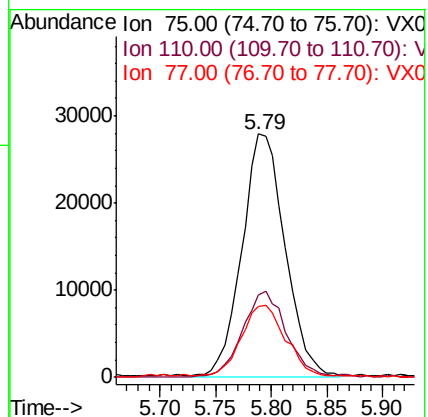
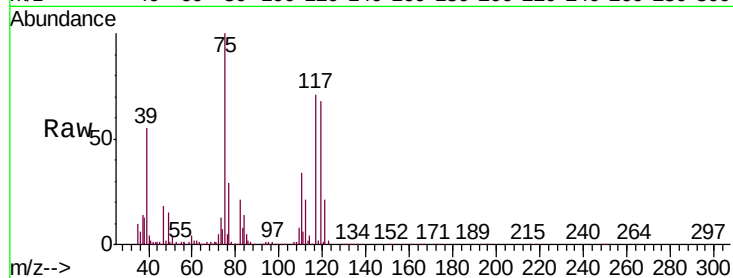
Tgt Ion: 75 Resp: 74628

Ion Ratio Lower Upper

75 100

110 36.1 0.0 73.6

77 30.9 0.0 63.4



#30

2-Butanone

Concen: 96.307 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

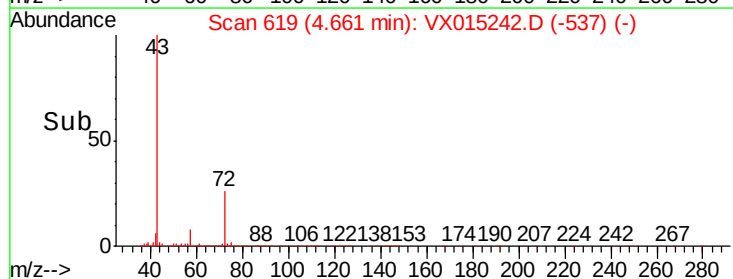
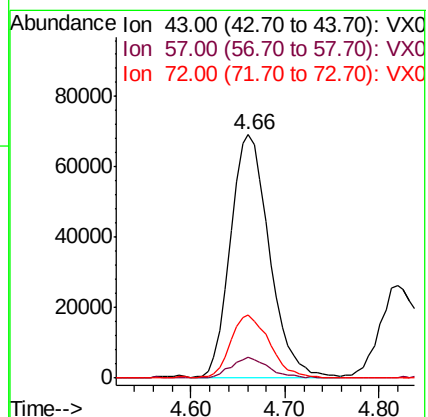
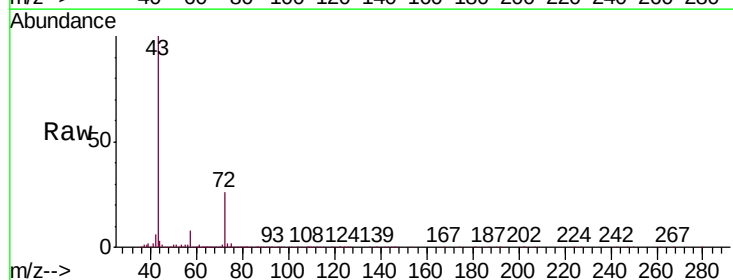
Tgt Ion: 43 Resp: 197771

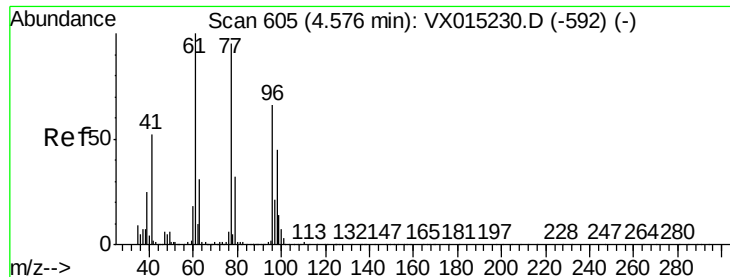
Ion Ratio Lower Upper

43 100

57 7.7 6.4 9.6

72 25.6 19.9 29.9

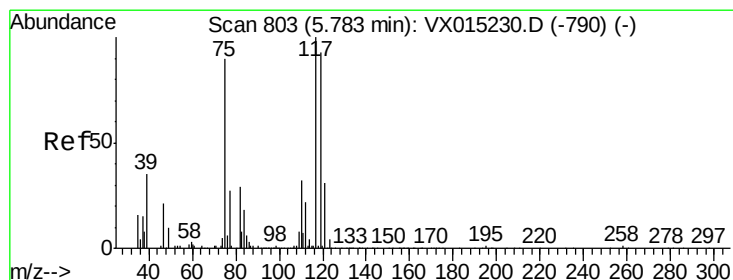
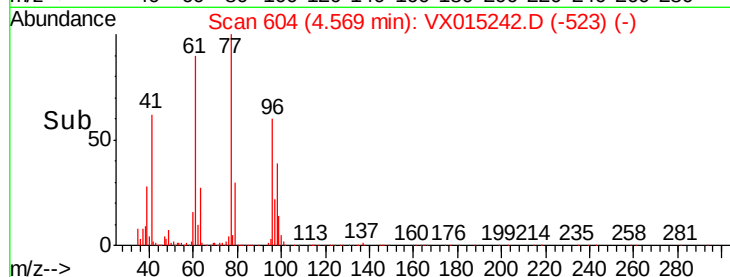
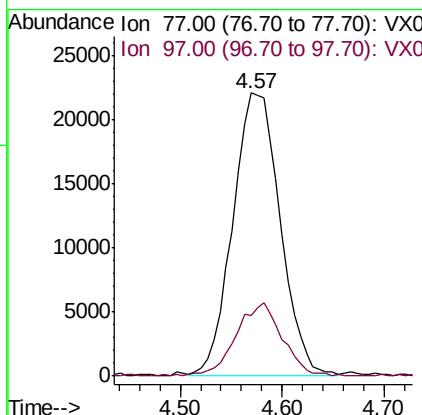
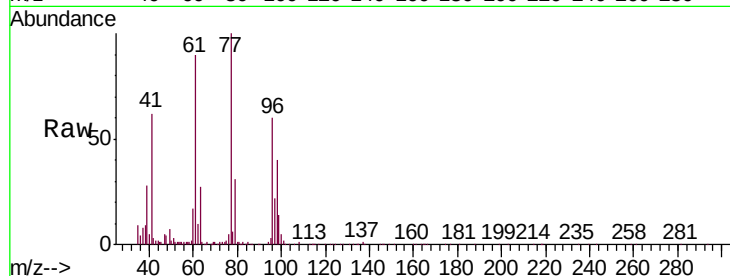




#31
 2,2-Dichloropropane
 Concen: 18.124 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

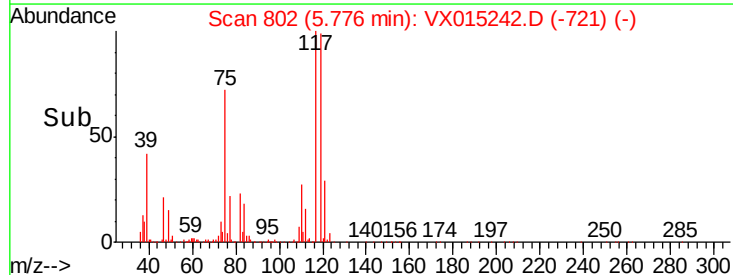
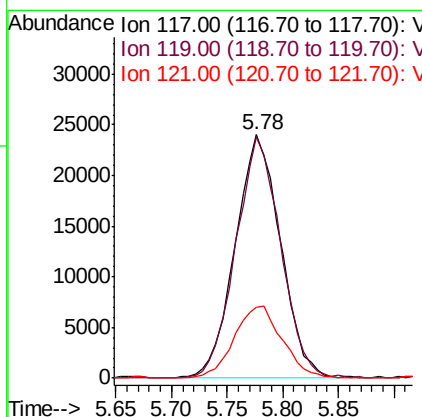
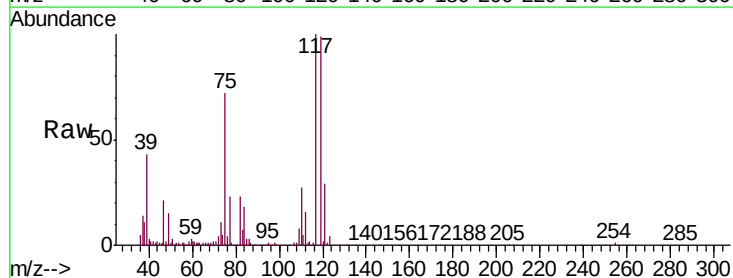
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

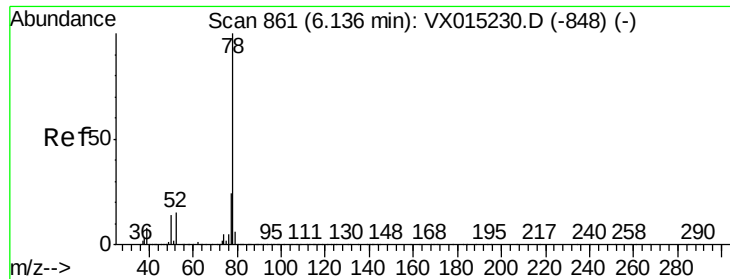
Tgt Ion: 77 Resp: 71397
 Ion Ratio Lower Upper
 77 100
 97 24.5 19.8 29.6



#33
 Carbon Tetrachloride
 Concen: 19.016 ug/l
 RT: 5.78 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

Tgt Ion: 117 Resp: 67906
 Ion Ratio Lower Upper
 117 100
 119 98.4 74.2 111.4
 121 28.8 24.3 36.5





#34

Benzene

Concen: 19.321 ug/l

RT: 6.14 min Scan# 861

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

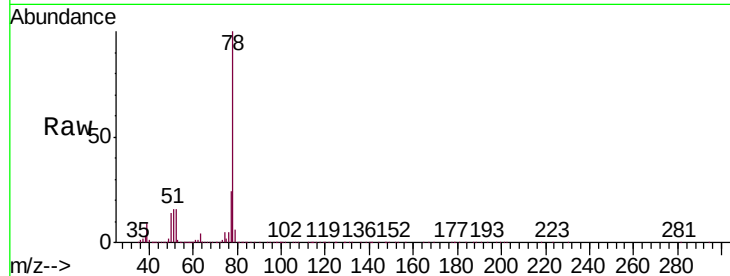
Tgt Ion: 78 Resp: 224505

Ion Ratio Lower Upper

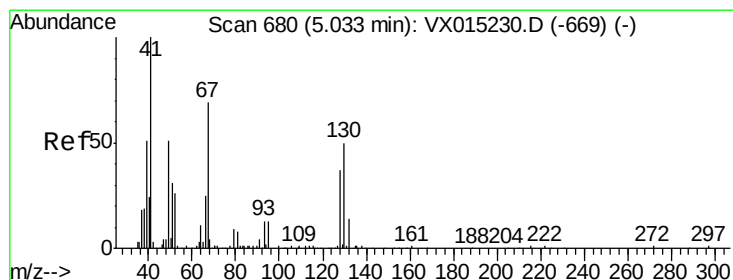
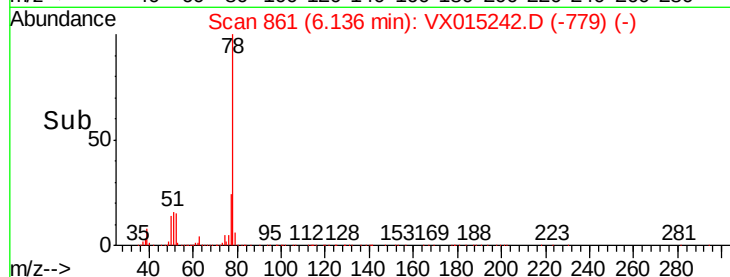
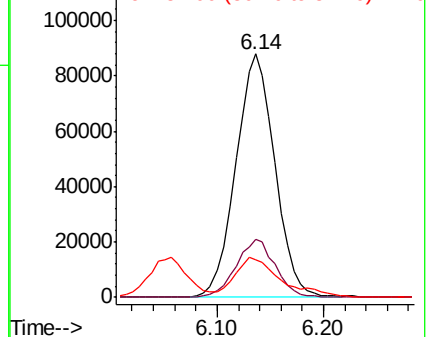
78 100

77 23.8 19.1 28.7

51 14.9 13.4 20.2



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#35

Methacrylonitrile

Concen: 19.375 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Tgt Ion: 41 Resp: 43016

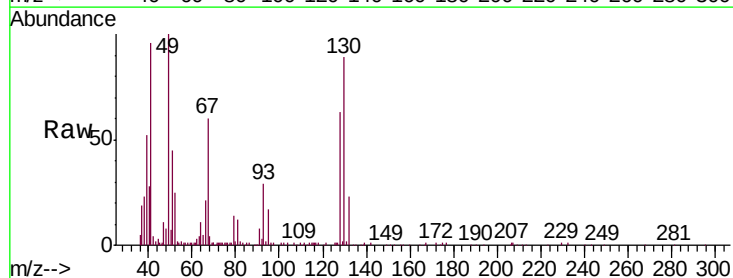
Ion Ratio Lower Upper

41 100

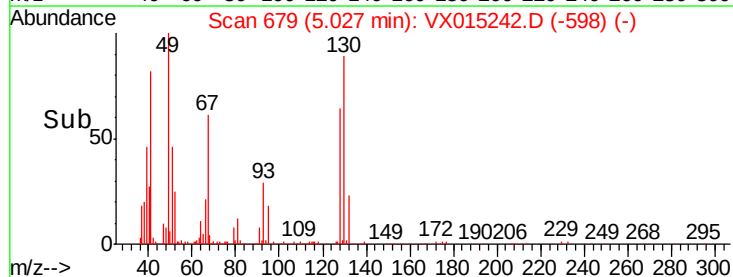
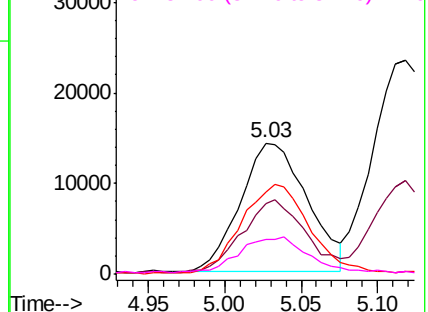
39 50.3 25.7 77.1

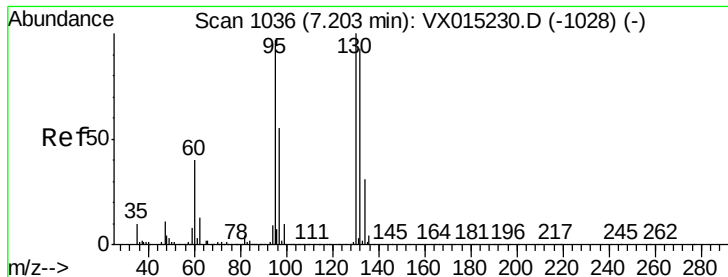
67 62.8 34.3 102.8

52 24.5 12.9 38.6



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





#37

Trichloroethene

Concen: 19.591 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

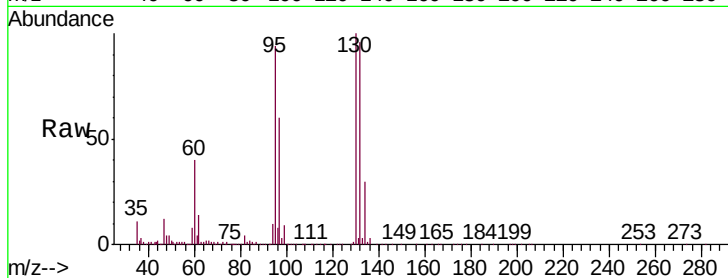
VSTDCCC020EC

Tgt Ion:130 Resp: 62958

Ion Ratio Lower Upper

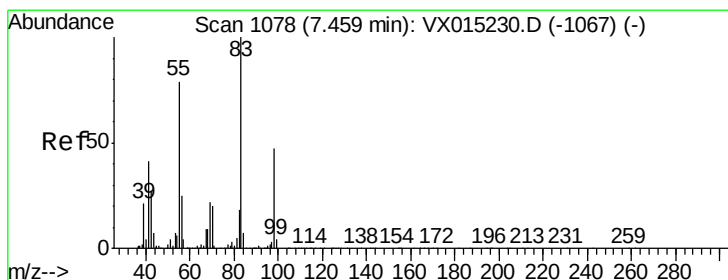
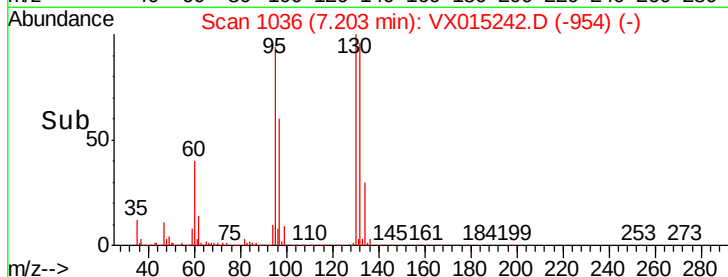
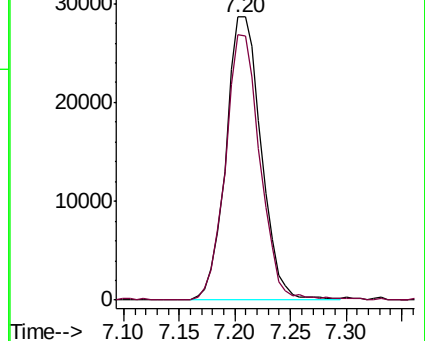
130 100

95 93.6 77.4 116.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 18.671 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

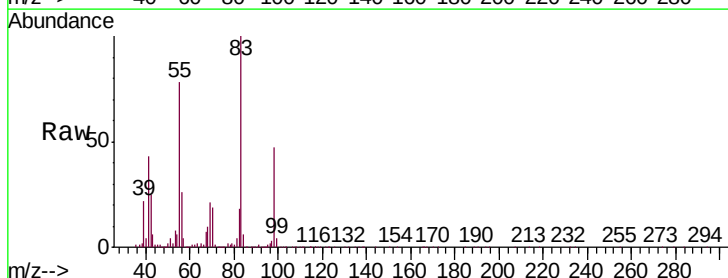
Tgt Ion: 83 Resp: 86991

Ion Ratio Lower Upper

83 100

55 79.4 39.1 117.2

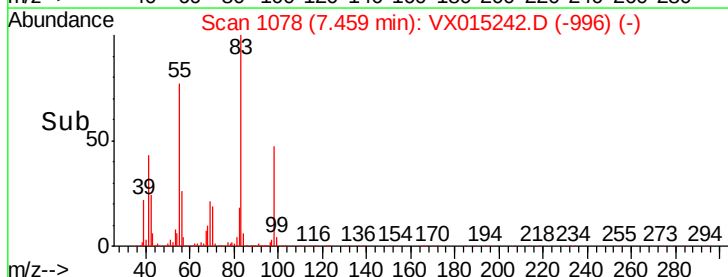
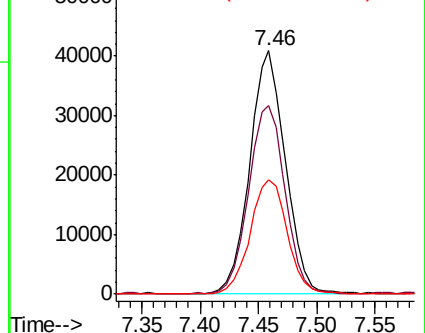
98 49.0 24.4 73.2

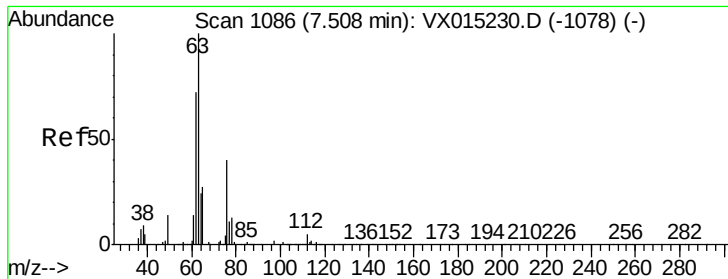


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

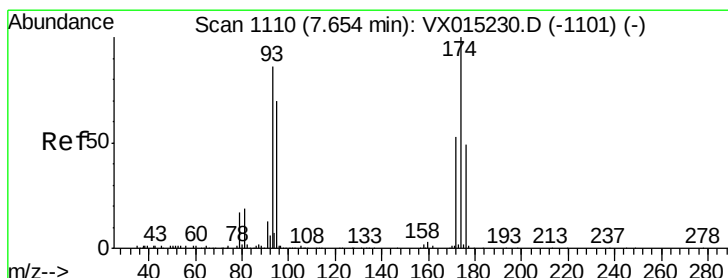
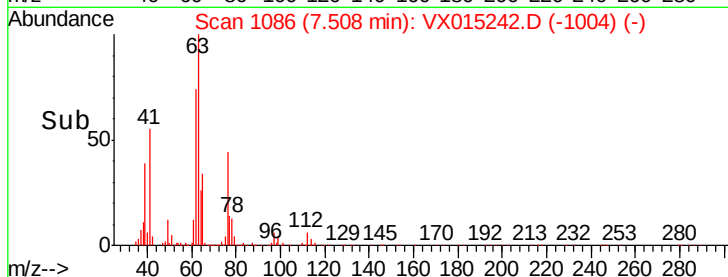
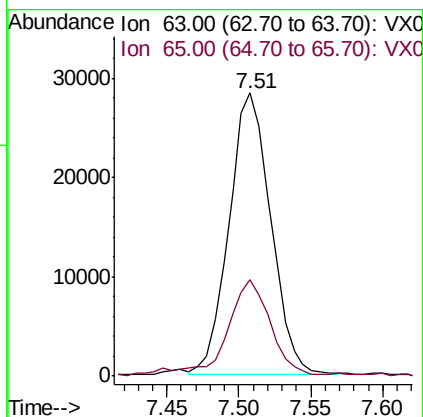
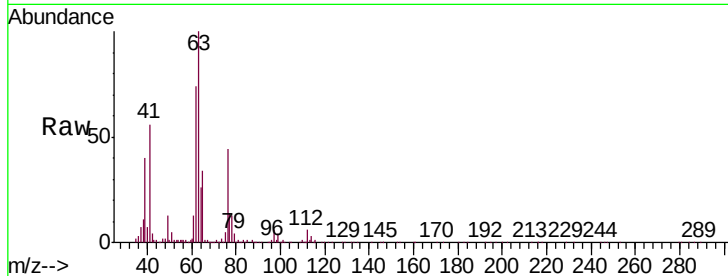




#39
 1,2-Dichloropropane
 Concen: 19.111 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

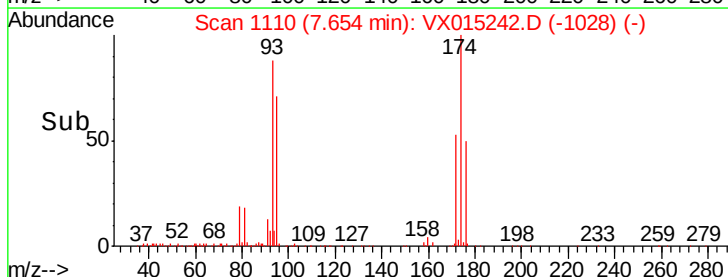
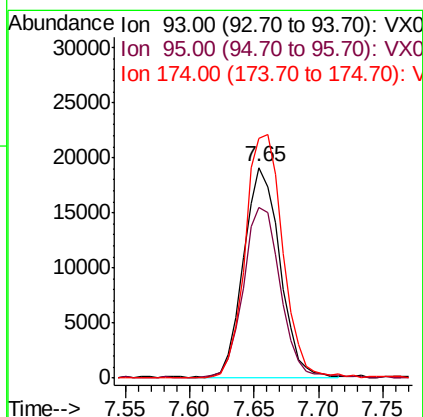
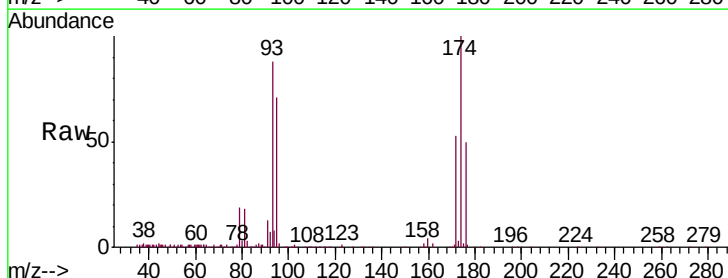
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

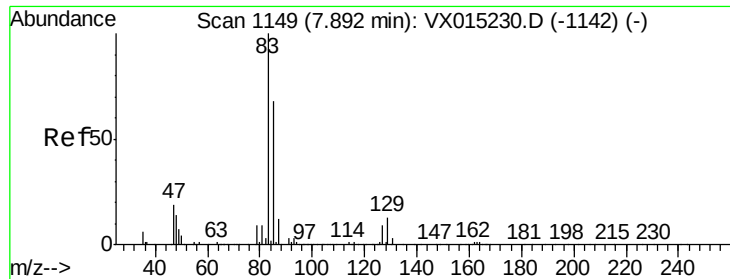
Tgt Ion: 63 Resp: 57365
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.2 34.8



#40
 Dibromomethane
 Concen: 19.633 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

Tgt Ion: 93 Resp: 37456
 Ion Ratio Lower Upper
 93 100
 95 82.9 0.0 162.6
 174 117.9 0.0 233.6





#41

Bromodichloromethane

Concen: 19.375 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

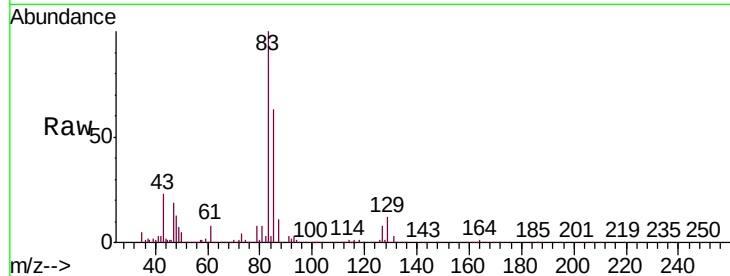
Tgt Ion: 83 Resp: 73110

Ion Ratio Lower Upper

83 100

85 62.7 54.2 81.4

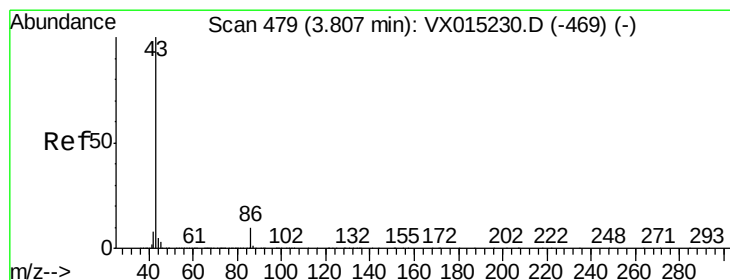
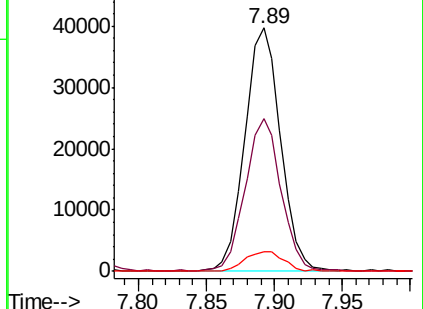
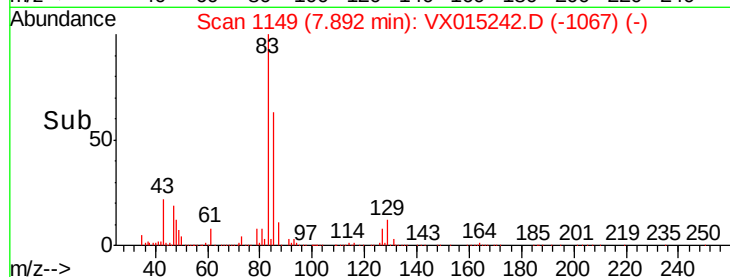
127 8.2 7.1 10.7



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: 95.552 ug/l

RT: 3.81 min Scan# 479

Delta R.T. -0.00 min

Lab File: VX015242.D

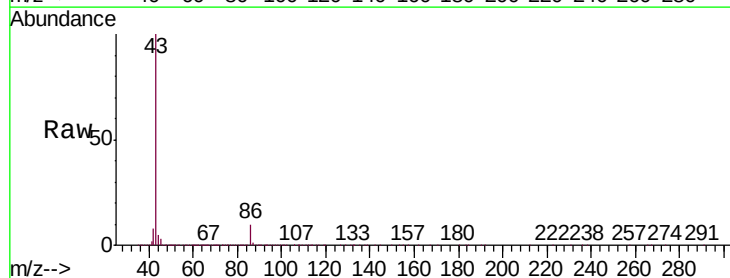
Acq: 12 Mar 2020 18:45

Tgt Ion: 43 Resp: 773797

Ion Ratio Lower Upper

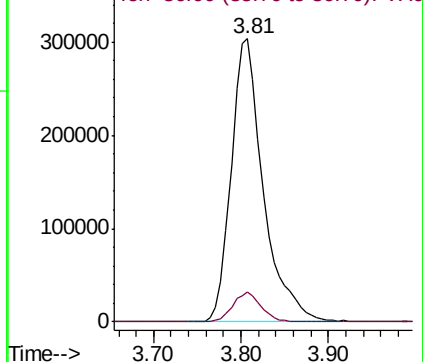
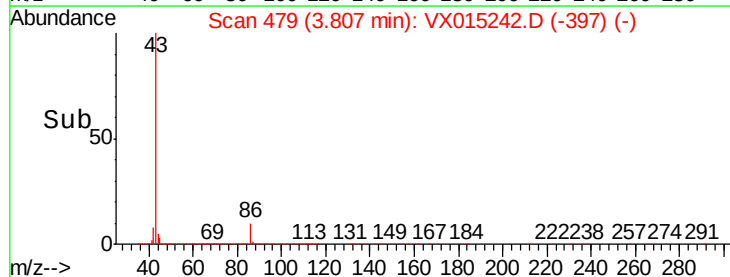
43 100

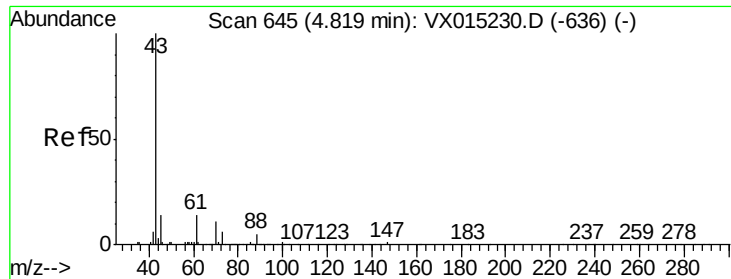
86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

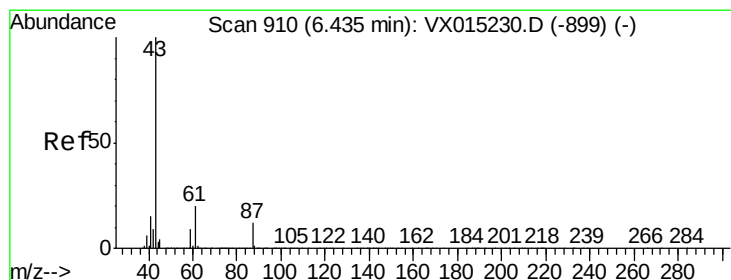
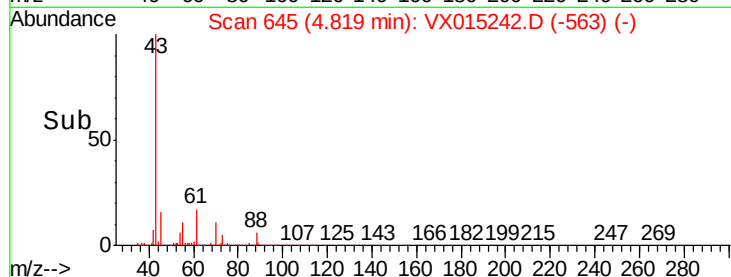
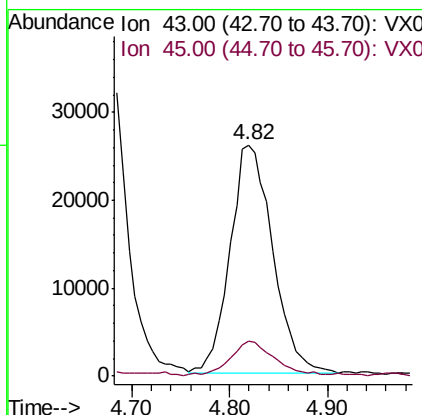
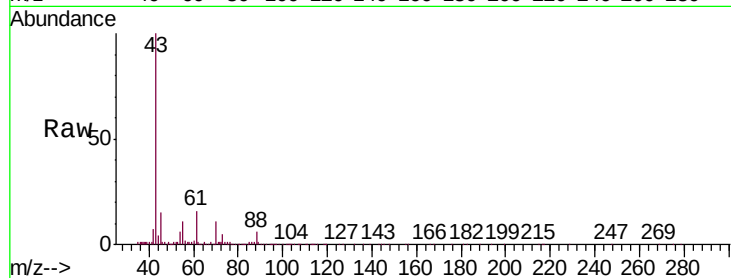




#43
Ethyl Acetate
Concen: 20.029 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

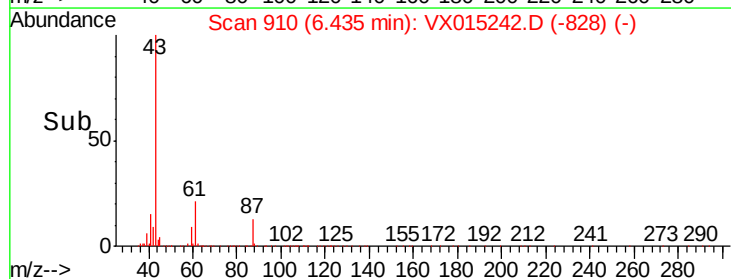
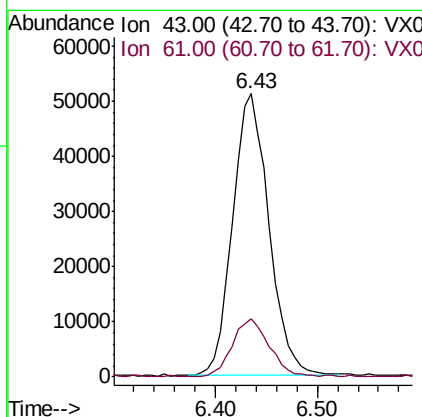
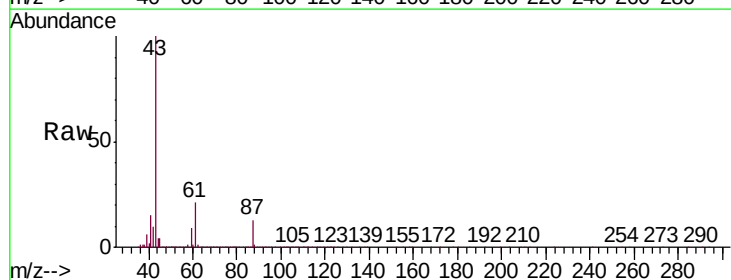
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

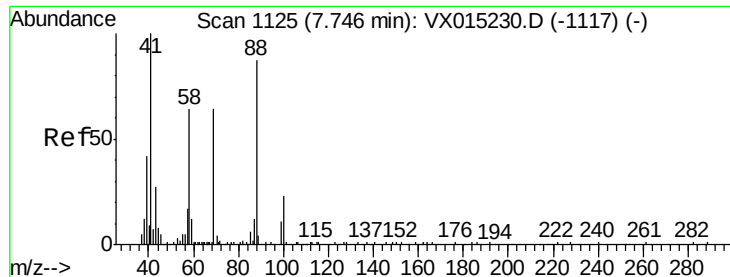
Tgt Ion: 43 Resp: 78037
Ion Ratio Lower Upper
43 100
45 14.7 11.7 17.5



#44
Isopropyl Acetate
Concen: 19.193 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

Tgt Ion: 43 Resp: 126488
Ion Ratio Lower Upper
43 100
61 20.4 17.0 25.4





#45

1,4-Dioxane

Concen: 417.803 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

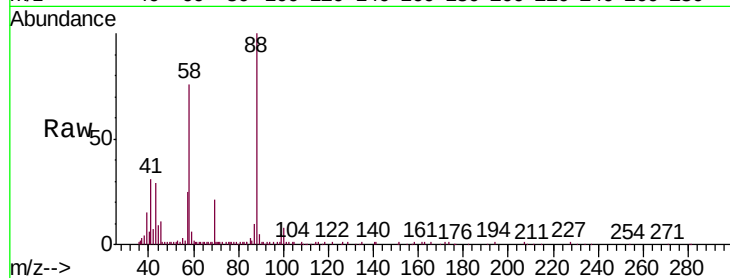
Tgt Ion: 88 Resp: 27043

Ion Ratio Lower Upper

88 100

43 31.9 26.4 39.6

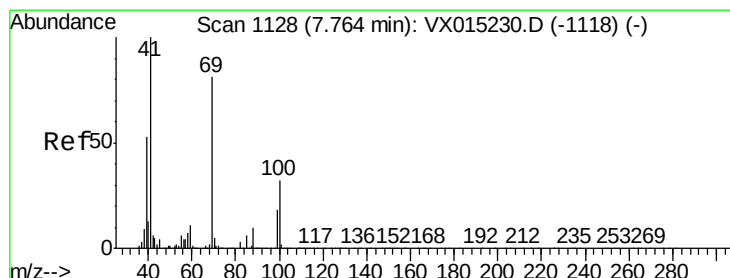
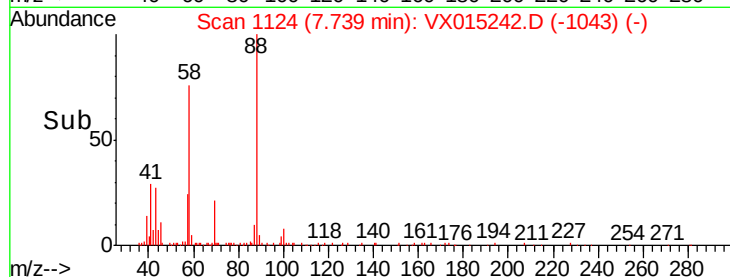
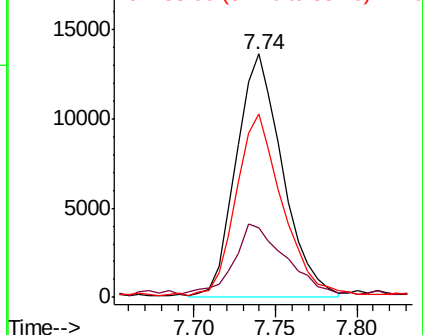
58 73.7 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 19.695 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

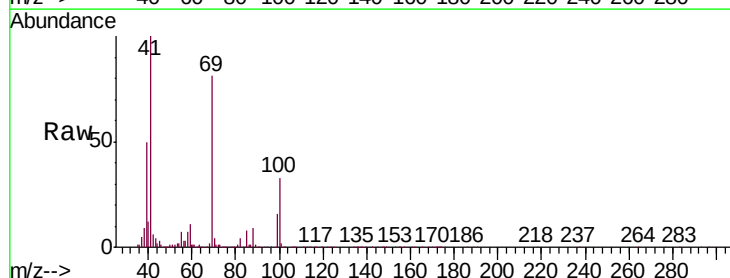
Tgt Ion: 41 Resp: 64001

Ion Ratio Lower Upper

41 100

69 80.8 40.5 121.4

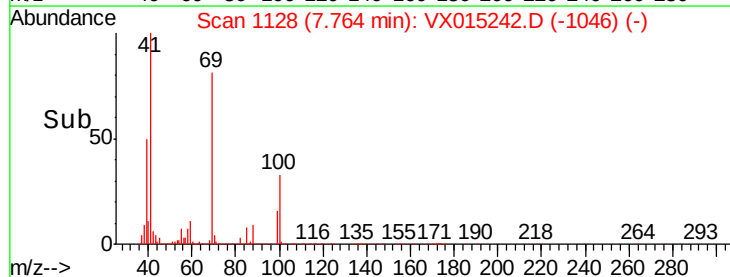
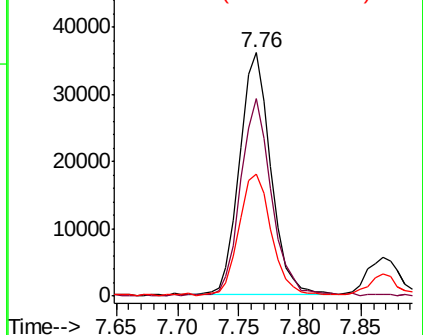
39 49.9 26.6 79.8

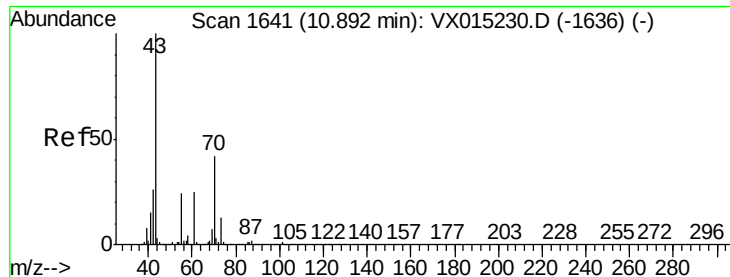


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amyI Acetate

Concen: 17.938 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

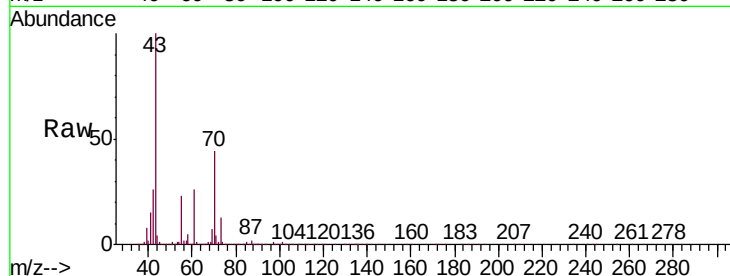
VSTDCCC020EC

Tgt Ion: 43 Resp: 106075

Ion Ratio Lower Upper

43 100

55 24.8 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.89

80000

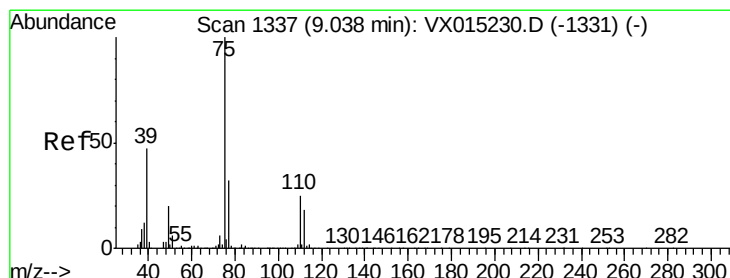
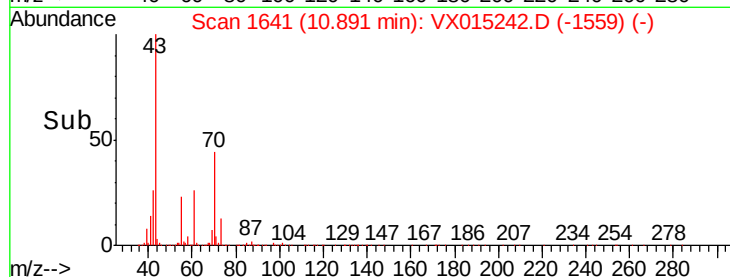
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 20.743 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX015242.D

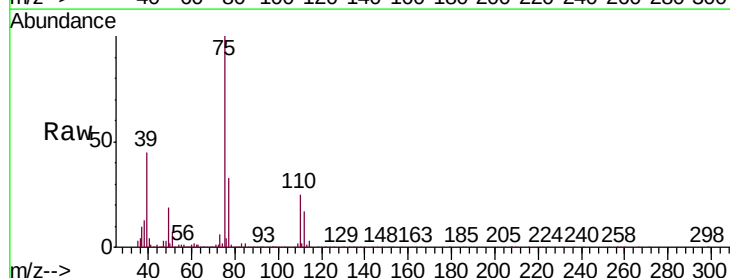
Acq: 12 Mar 2020 18:45

Tgt Ion: 75 Resp: 85109

Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

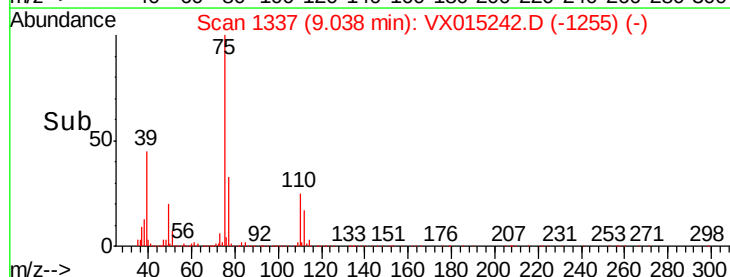
60000

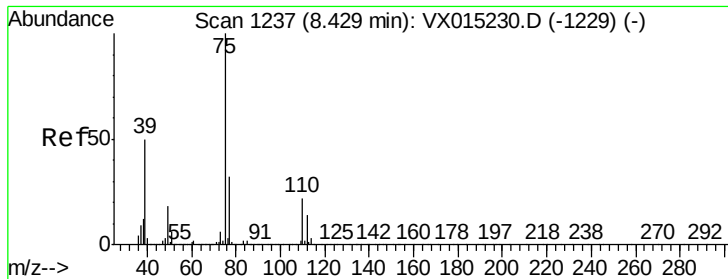
40000

20000

0

Time-->





#49

cis-1,3-Dichloropropene

Concen: 19.462 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

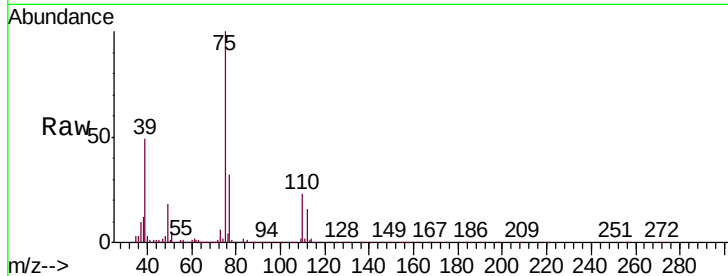
Tgt Ion: 75 Resp: 90682

Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9

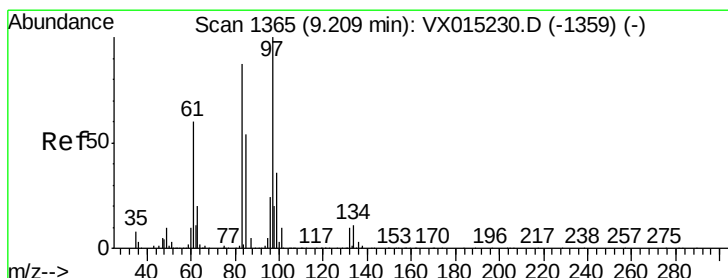
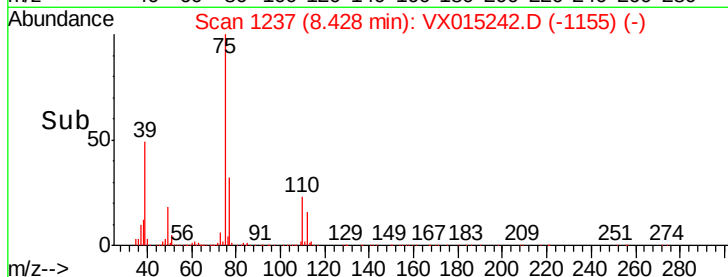
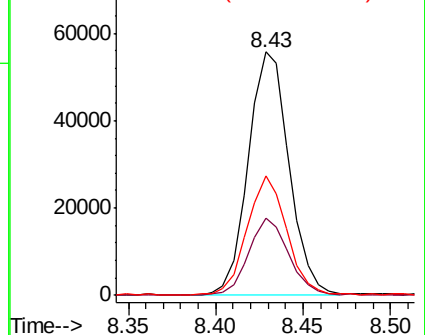
39 49.2 39.8 59.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

1,1,2-Trichloroethane

Concen: 22.127 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Tgt Ion: 97 Resp: 62420

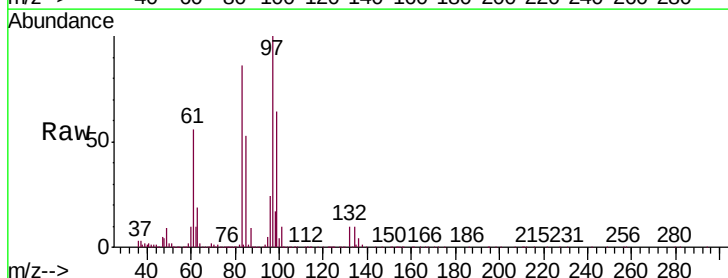
Ion Ratio Lower Upper

97 100

83 86.1 69.7 104.5

85 52.9 45.4 68.0

99 63.8 53.1 79.7

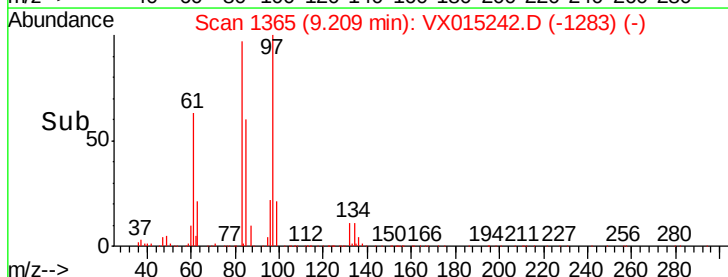
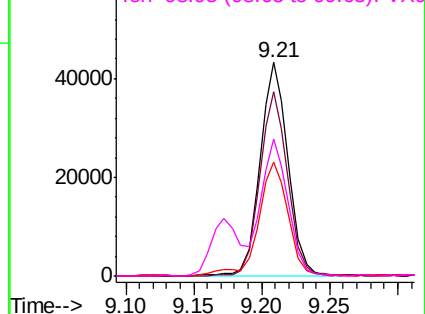


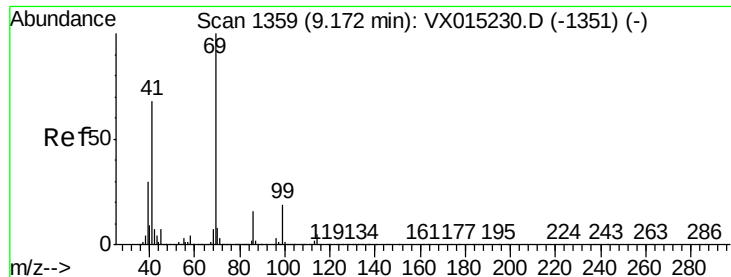
Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 84.95 (84.65 to 85.65): VX0

Ion 98.95 (98.65 to 99.65): VX0





#51

Ethyl methacrylate

Concen: 20.452 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

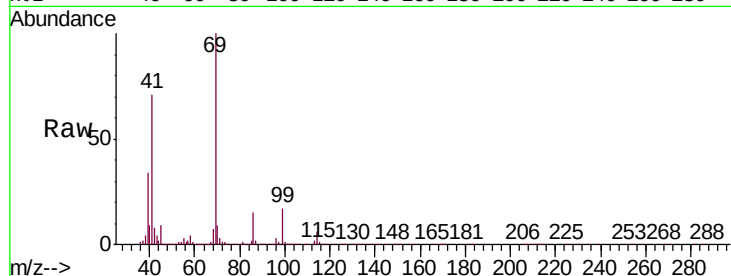
Tgt Ion: 69 Resp: 90026

Ion Ratio Lower Upper

69 100

41 70.6 33.8 101.3

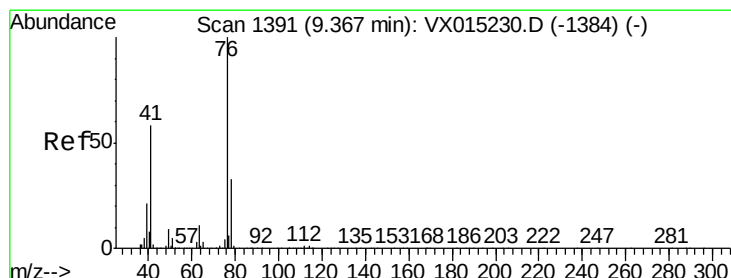
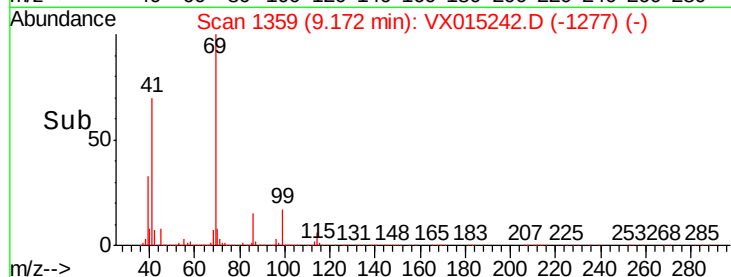
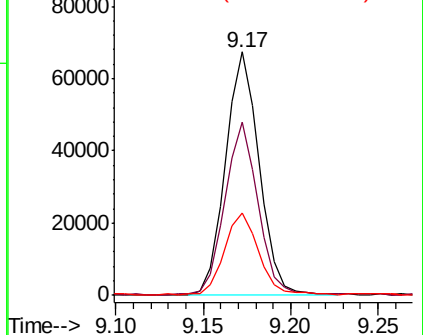
39 33.3 15.1 45.3



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: 21.940 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX015242.D

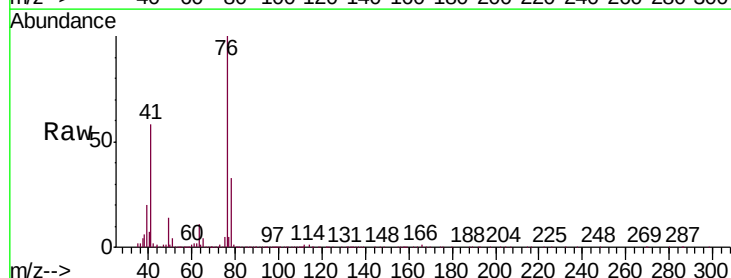
Acq: 12 Mar 2020 18:45

Tgt Ion: 76 Resp: 104749

Ion Ratio Lower Upper

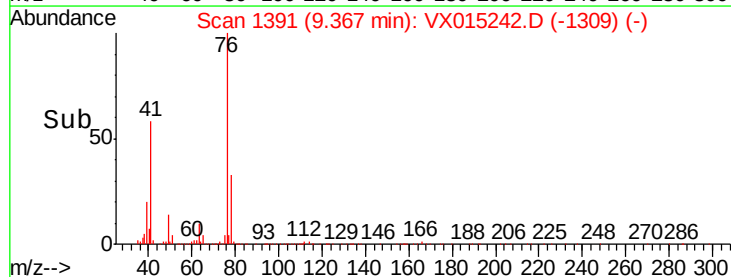
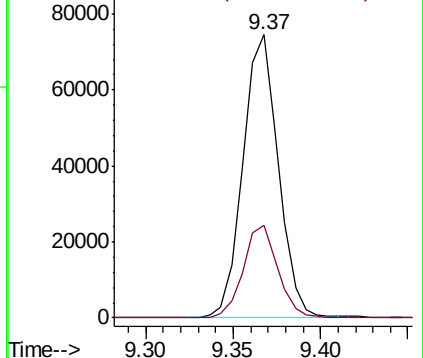
76 100

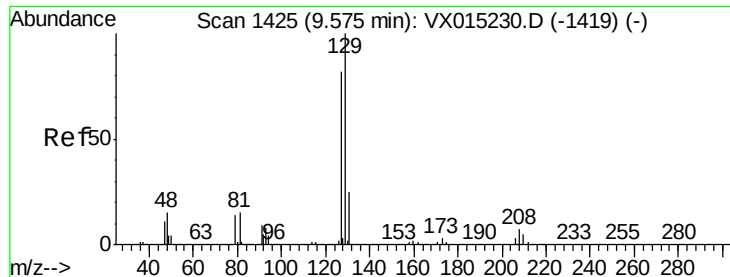
78 32.2 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 20.898 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

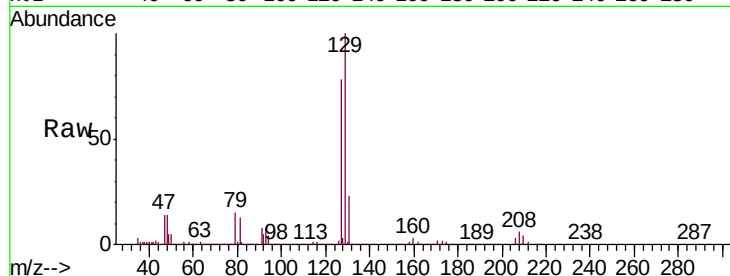
VSTDCCC020EC

Tgt Ion:129 Resp: 62783

Ion Ratio Lower Upper

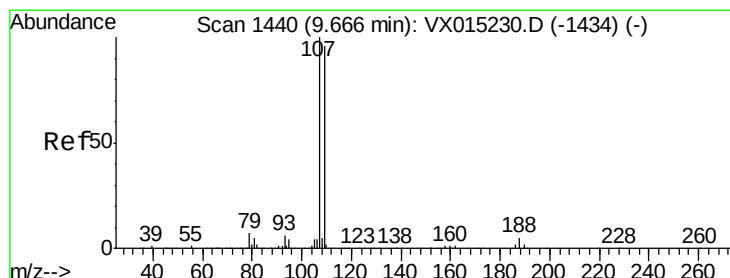
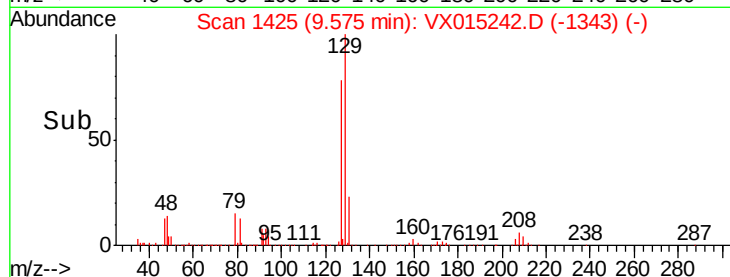
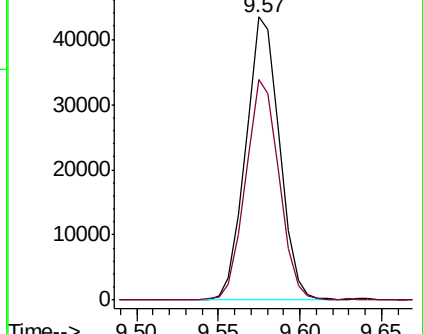
129 100

127 77.2 40.4 121.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.421 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX015242.D

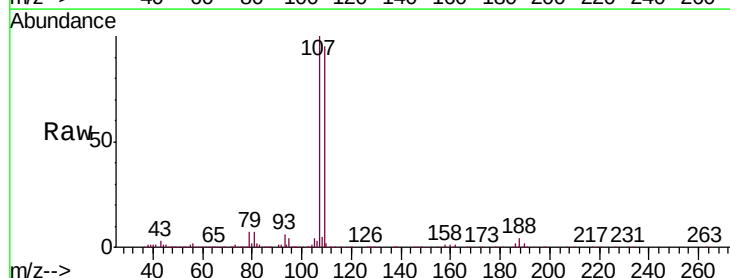
Acq: 12 Mar 2020 18:45

Tgt Ion:107 Resp: 62335

Ion Ratio Lower Upper

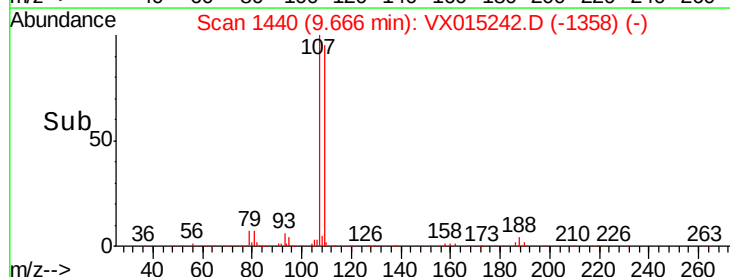
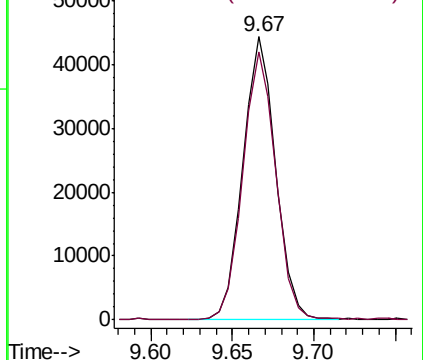
107 100

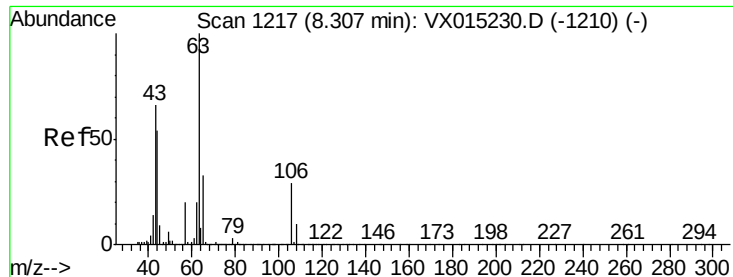
109 94.6 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

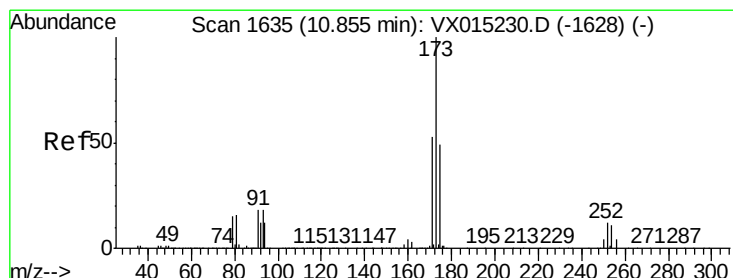
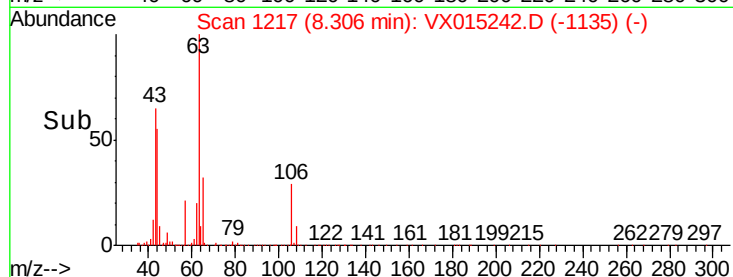
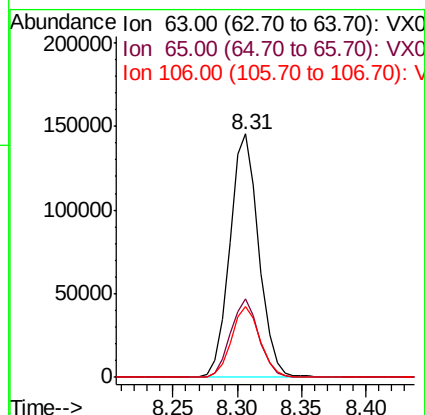
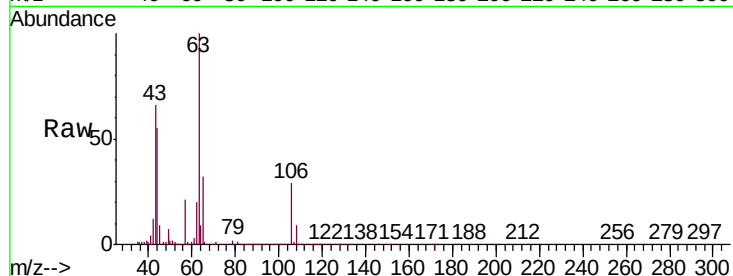




#55
 2-Chloroethyl vinyl ether
 Concen: 103.183 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

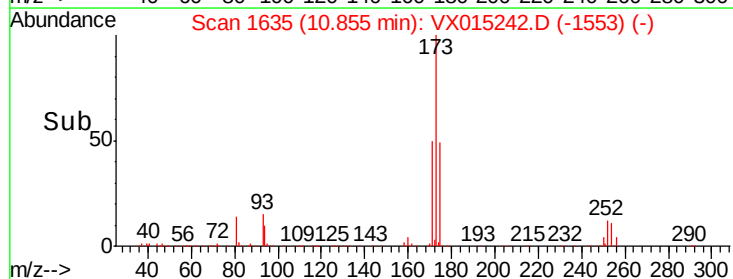
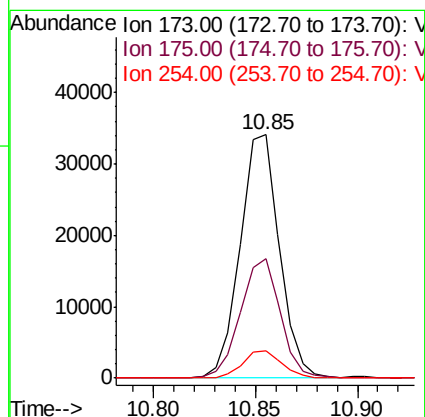
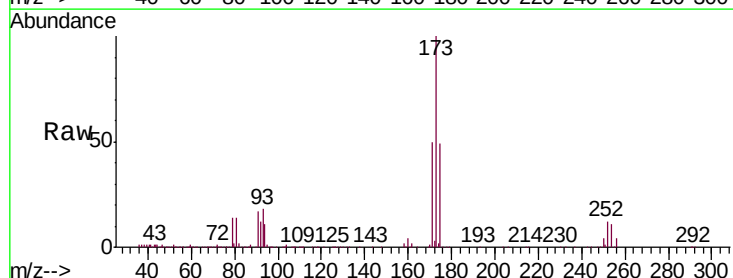
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

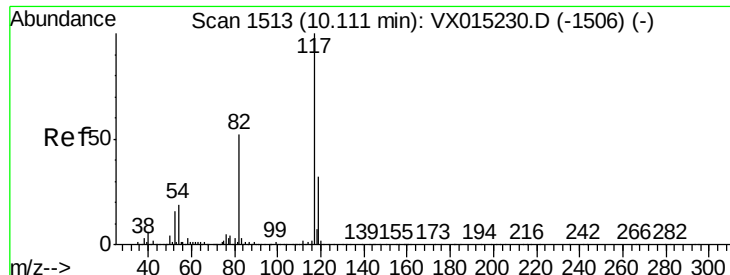
Tgt Ion:	63	Resp:	227474
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.6	38.4
106	28.8	23.0	34.4



#56
 Bromoform
 Concen: 19.348 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

Tgt Ion:	173	Resp:	45574
Ion	Ratio	Lower	Upper
173	100		
175	49.8	38.9	58.3
254	11.5	9.1	13.7

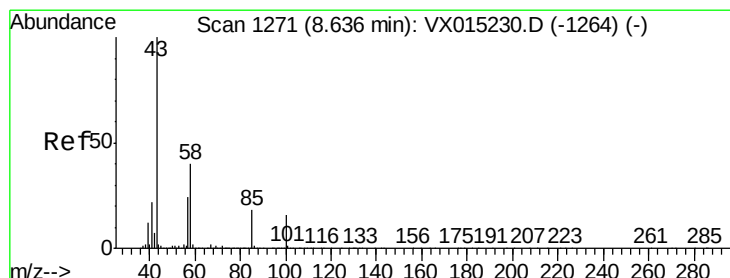
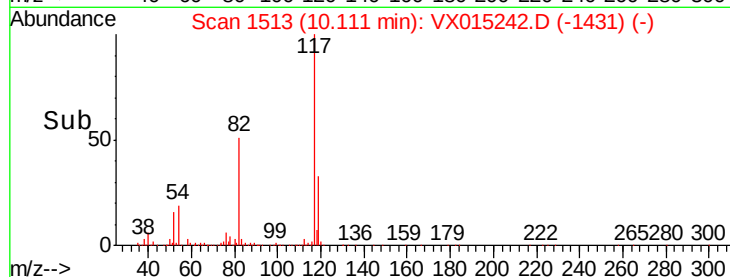
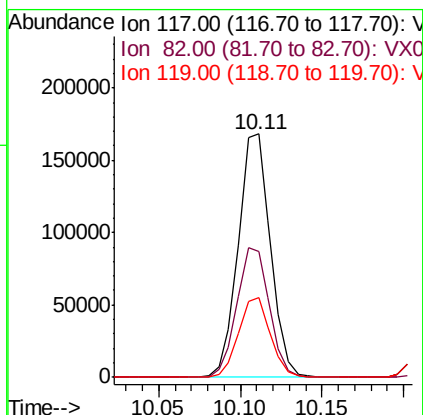
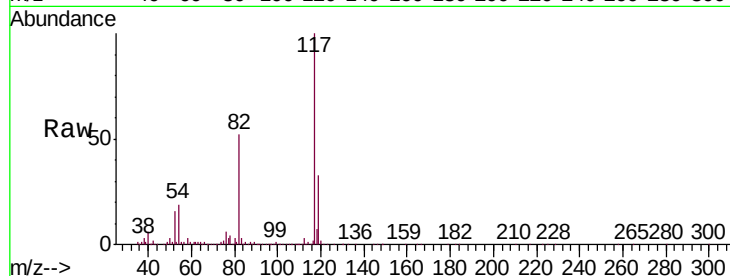




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

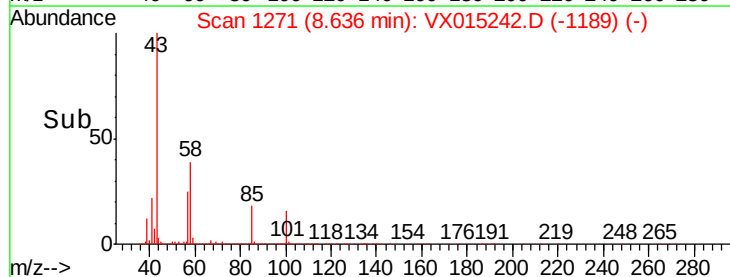
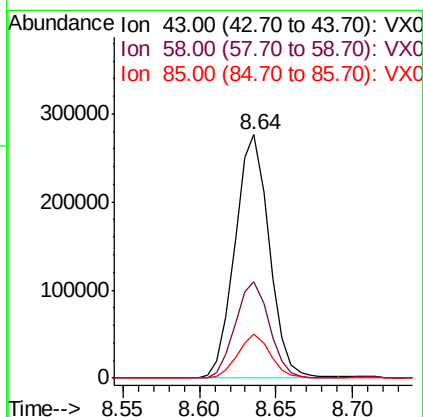
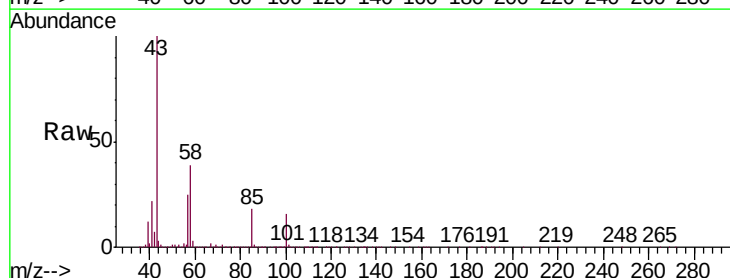
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

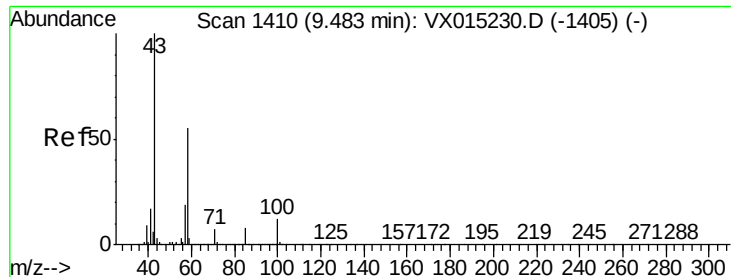
Tgt Ion: 117 Resp: 232144
Ion Ratio Lower Upper
117 100
82 53.7 43.2 64.8
119 32.1 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 108.551 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

Tgt Ion: 43 Resp: 429009
Ion Ratio Lower Upper
43 100
58 39.5 31.6 47.4
85 17.1 13.8 20.8

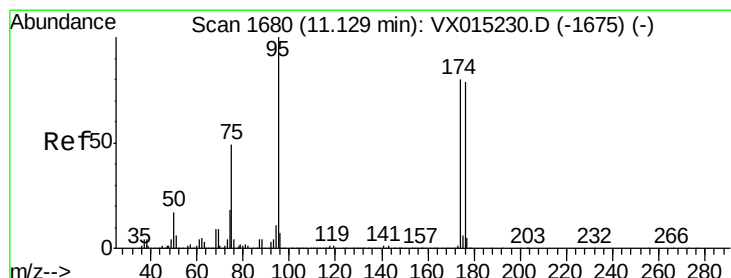
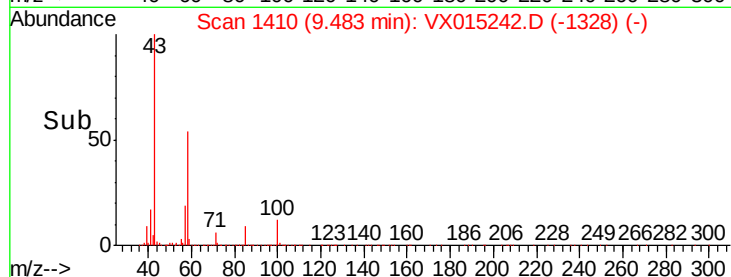
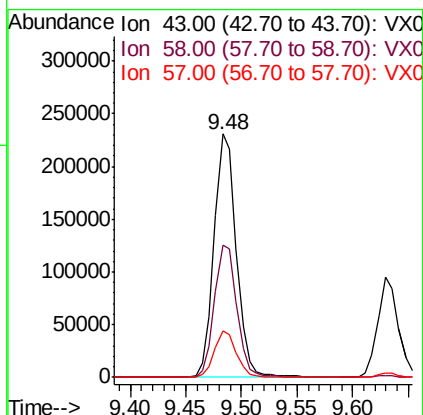
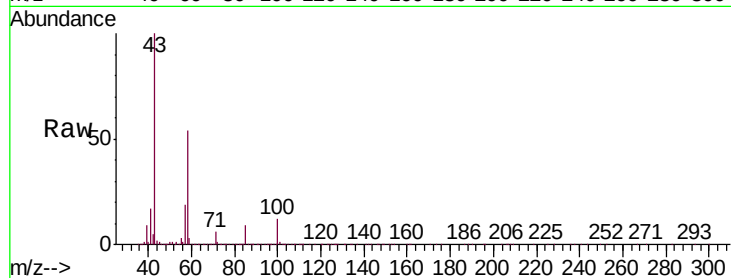




#59
2-Hexanone
Concen: 107.058 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

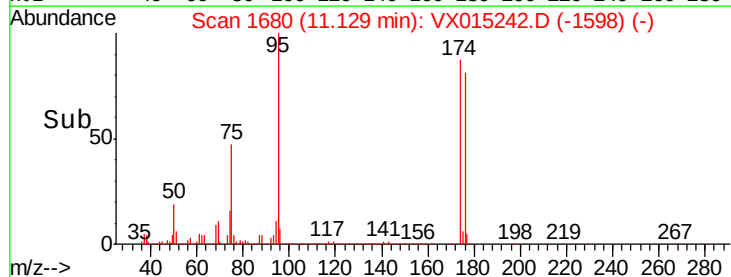
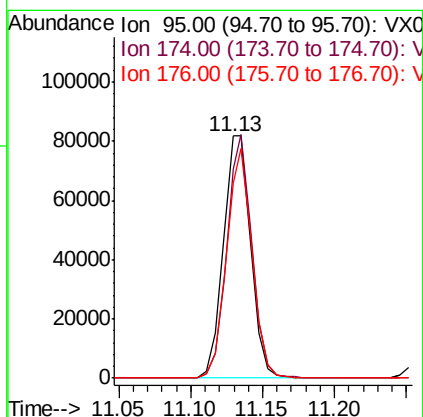
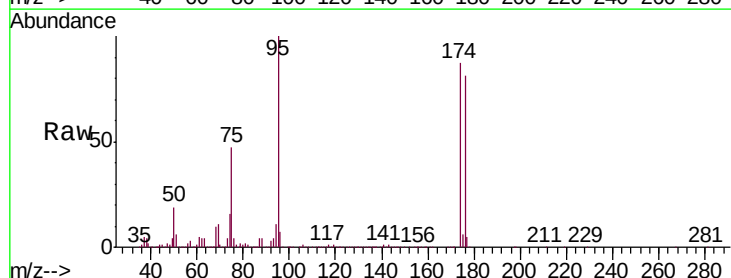
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

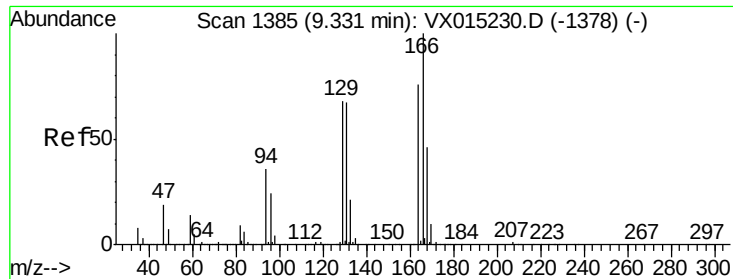
Tgt Ion: 43 Resp: 319798
Ion Ratio Lower Upper
43 100
58 54.9 44.6 66.8
57 18.9 14.6 21.8



#60
4-Bromofluorobenzene
Concen: 29.529 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

Tgt Ion: 95 Resp: 109122
Ion Ratio Lower Upper
95 100
174 92.3 72.0 108.0
176 88.7 70.1 105.1





#61

Tetrachloroethene

Concen: 21.717 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion:164 Resp: 70179

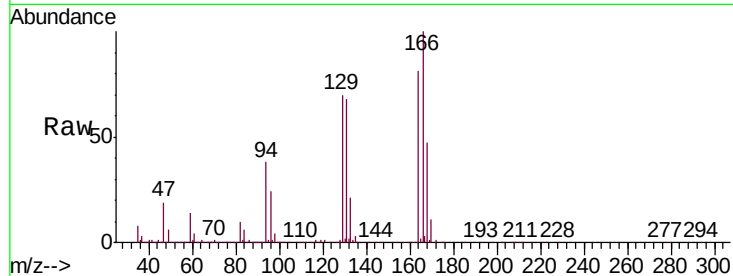
Ion Ratio Lower Upper

164 100

166 122.7 105.1 157.7

129 86.2 71.5 107.3

131 83.7 69.9 104.9

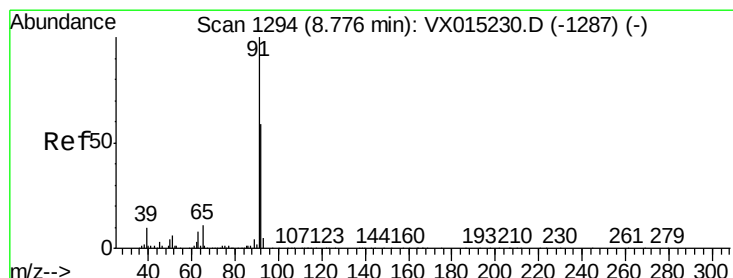
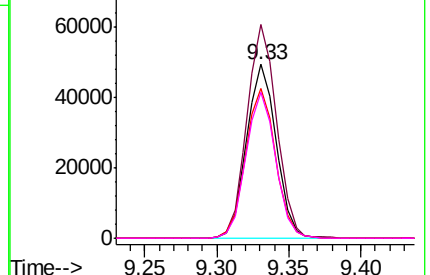
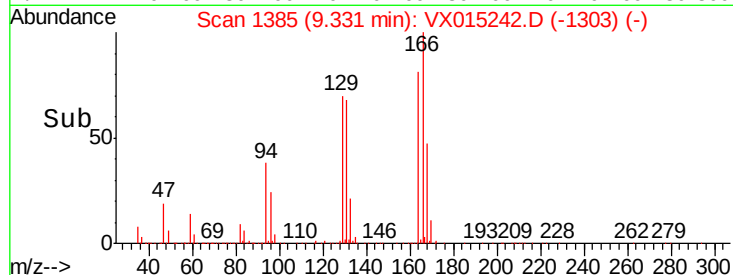


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.119 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX015242.D

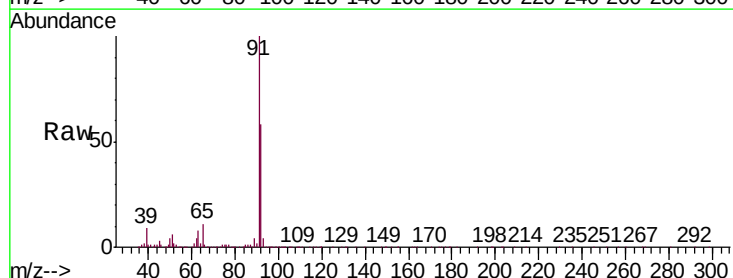
Acq: 12 Mar 2020 18:45

Tgt Ion: 91 Resp: 259433

Ion Ratio Lower Upper

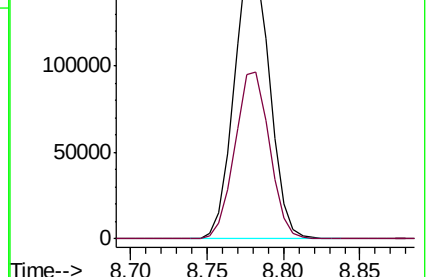
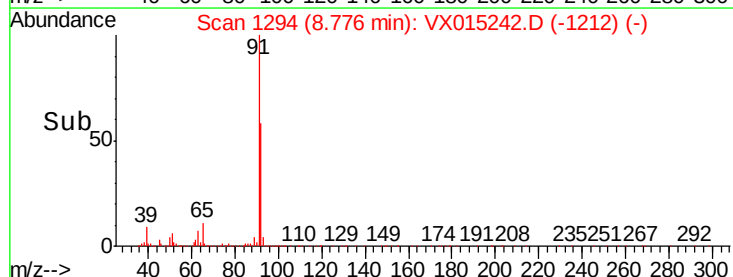
91 100

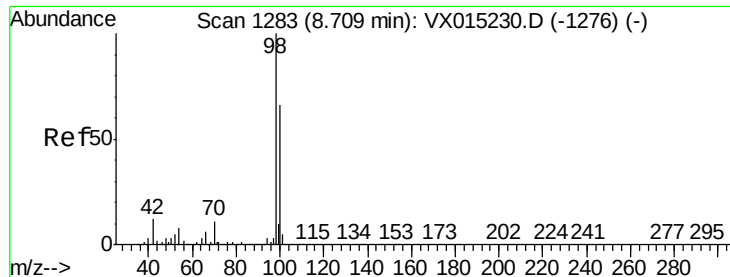
92 59.0 47.1 70.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 32.640 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

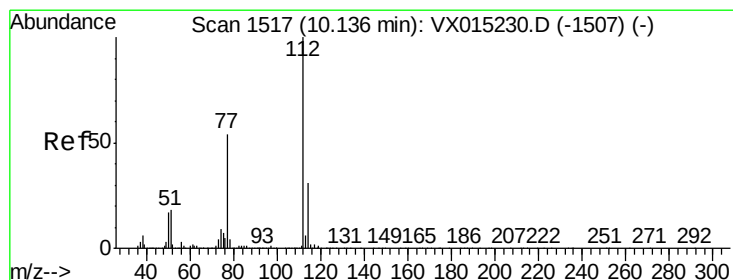
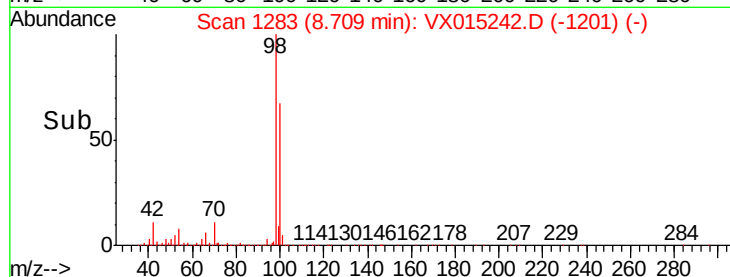
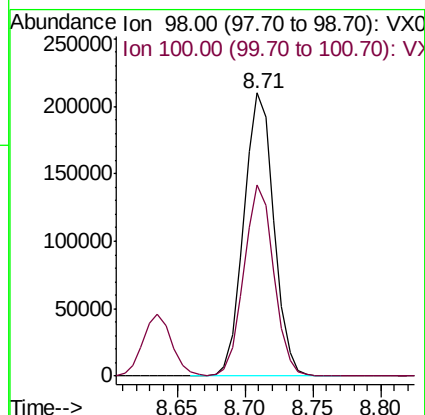
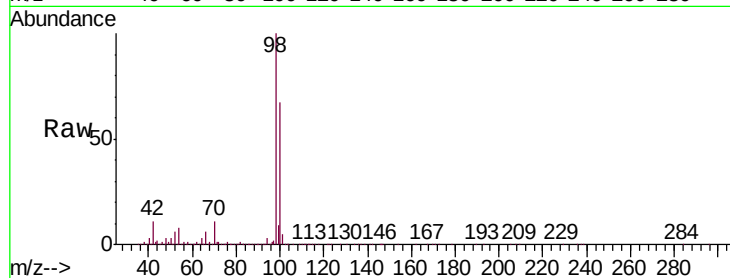
VSTDCCC020EC

Tgt Ion: 98 Resp: 324565

Ion Ratio Lower Upper

98 100

100 66.7 53.0 79.4



#64

Chlorobenzene

Concen: 19.427 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX015242.D

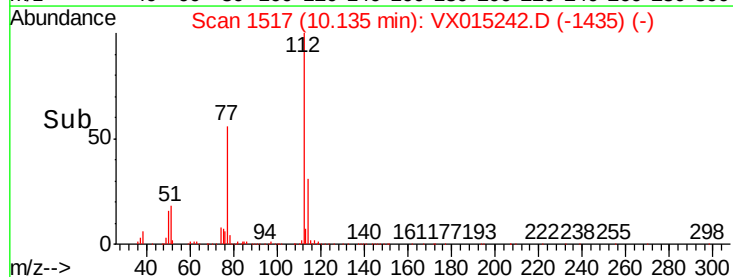
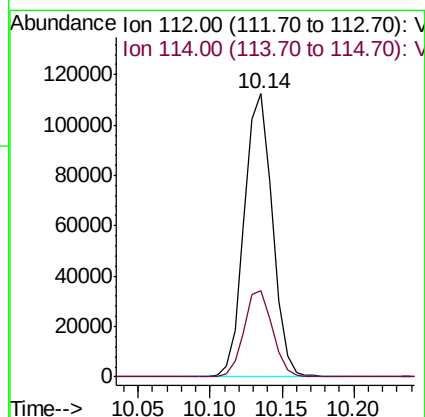
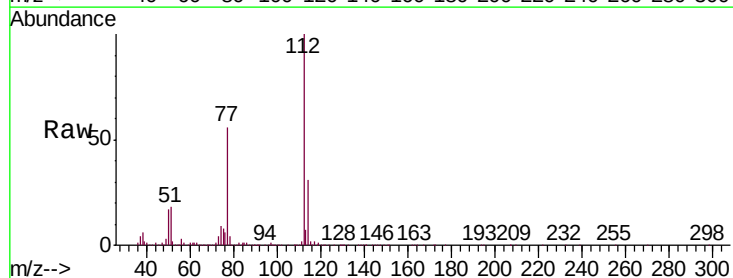
Acq: 12 Mar 2020 18:45

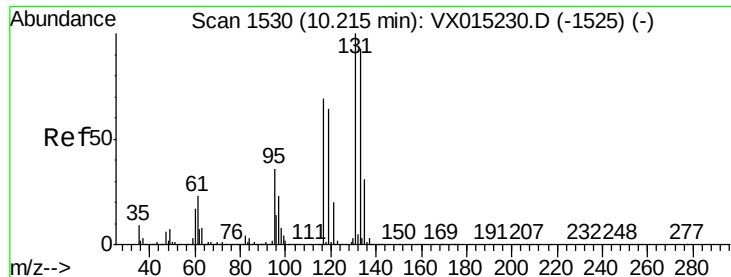
Tgt Ion: 112 Resp: 152493

Ion Ratio Lower Upper

112 100

114 30.6 24.8 37.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.739 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

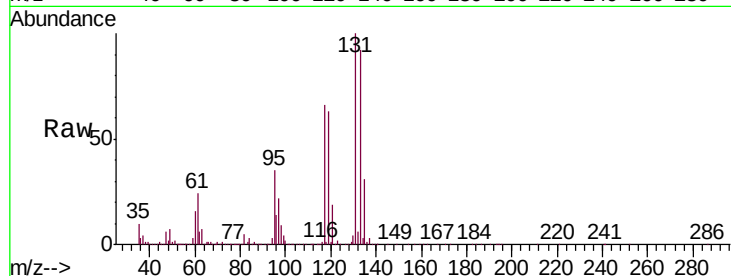
Tgt Ion:131 Resp: 57068

Ion Ratio Lower Upper

131 100

133 93.2 0.0 188.0

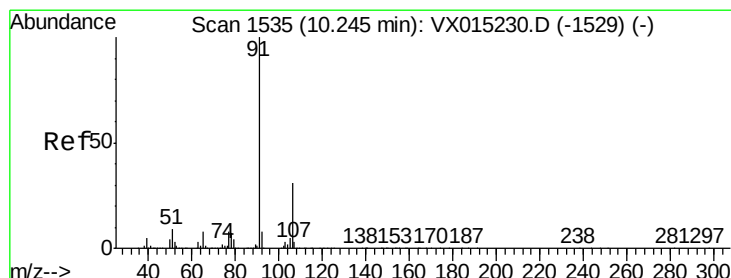
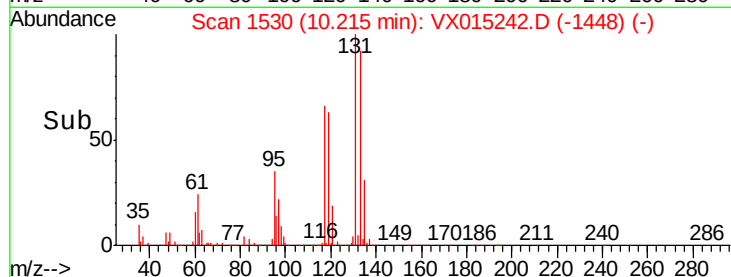
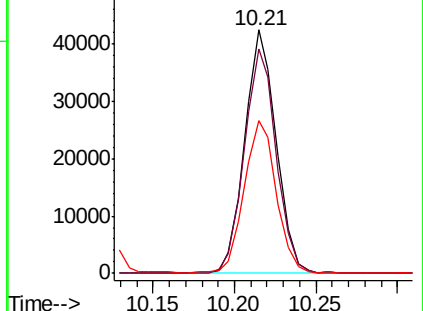
119 62.9 0.0 131.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.992 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX015242.D

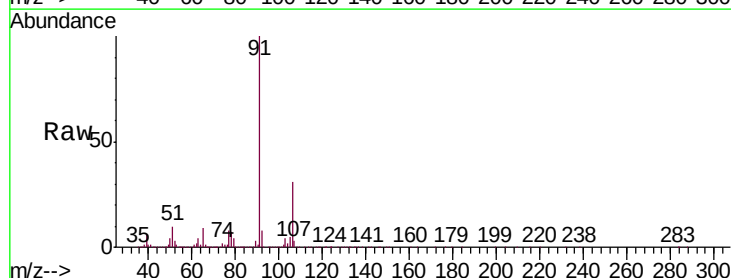
Acq: 12 Mar 2020 18:45

Tgt Ion: 91 Resp: 259893

Ion Ratio Lower Upper

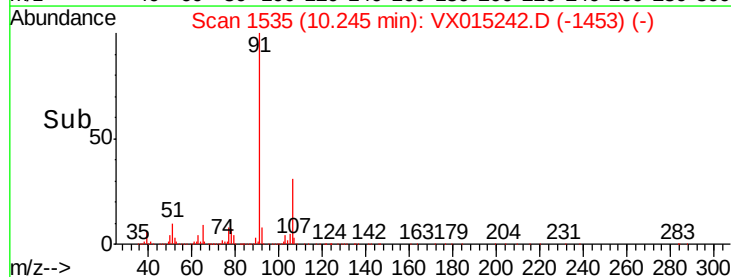
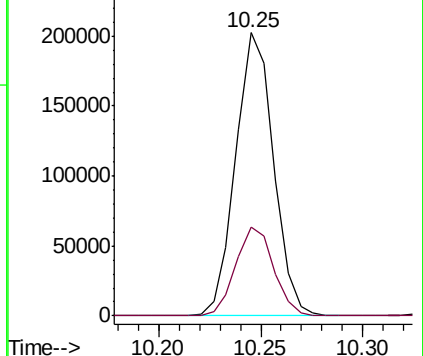
91 100

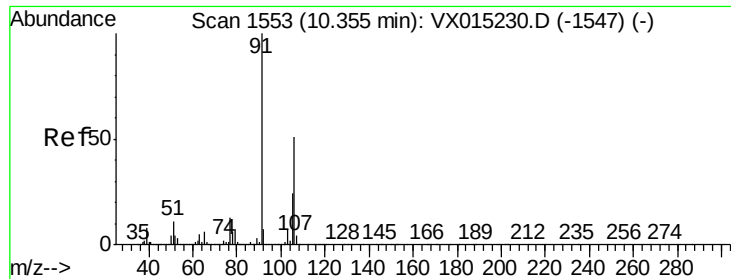
106 31.2 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

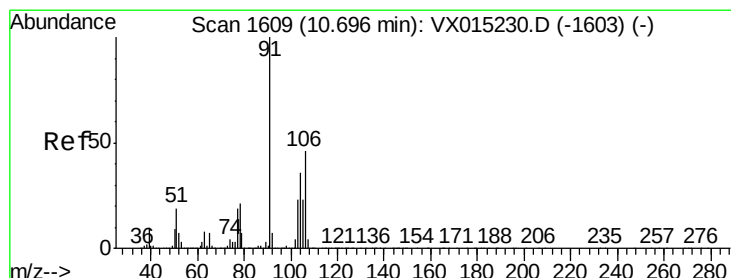
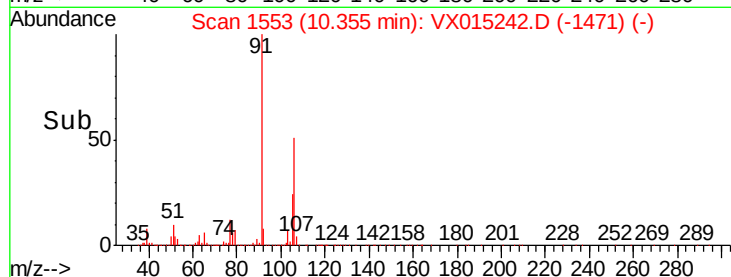
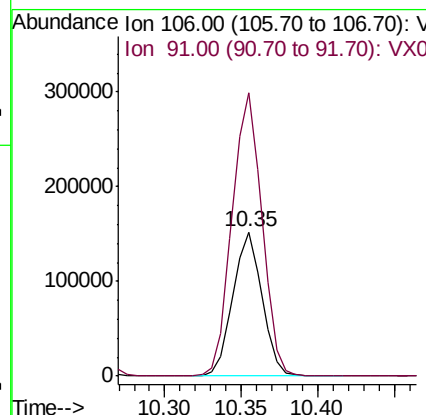
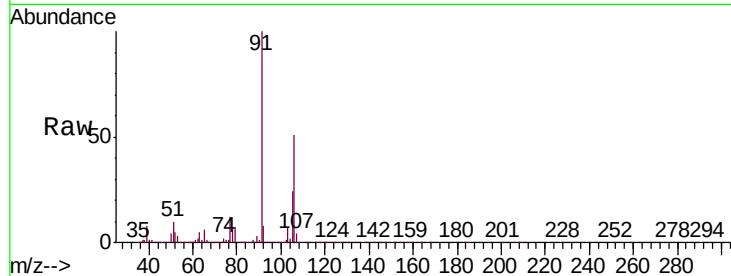




#67
m/p-Xylenes
Concen: 38.306 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

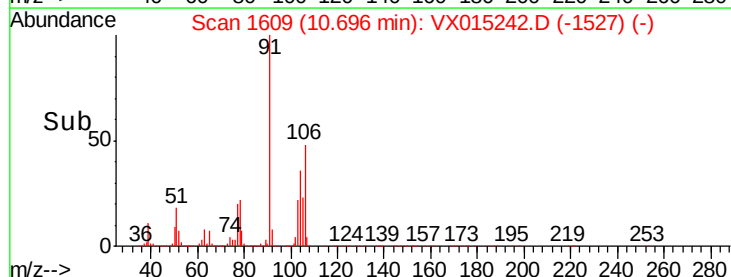
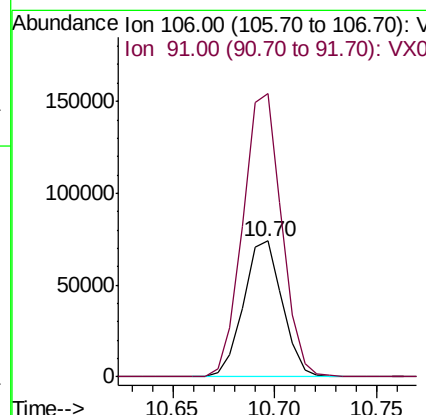
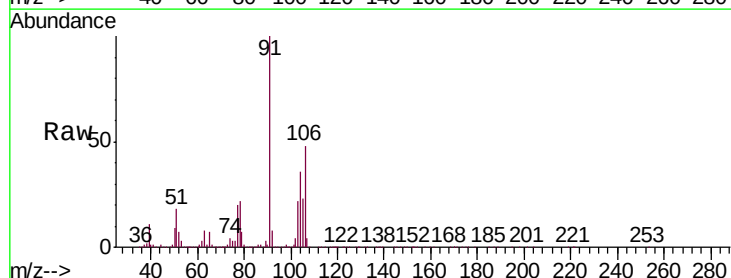
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

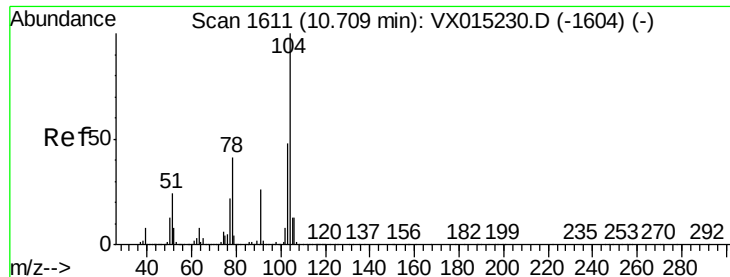
Tgt Ion:106 Resp: 201221
Ion Ratio Lower Upper
106 100
91 201.3 160.1 240.1



#68
o-Xylene
Concen: 19.401 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

Tgt Ion:106 Resp: 97710
Ion Ratio Lower Upper
106 100
91 207.7 106.4 319.2





#69

Styrene

Concen: 19.103 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

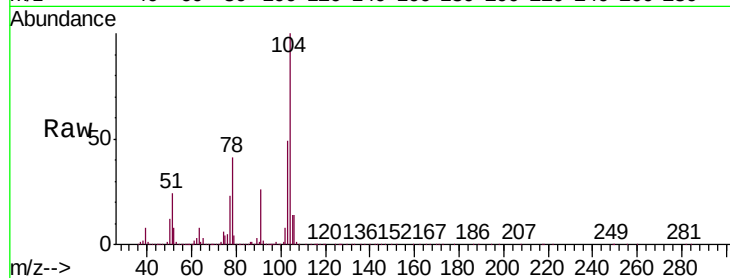
Tgt Ion:104 Resp: 167439

Ion Ratio Lower Upper

104 100

78 48.0 38.9 58.3

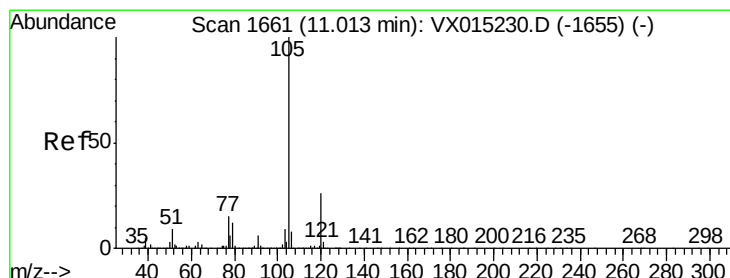
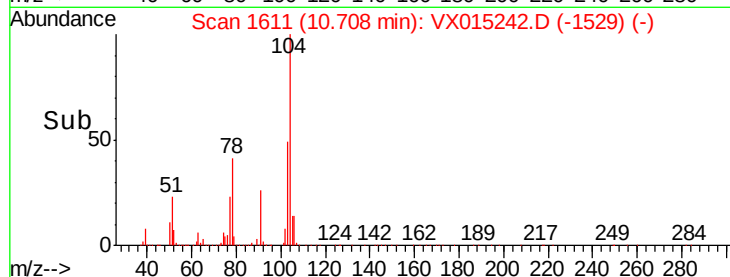
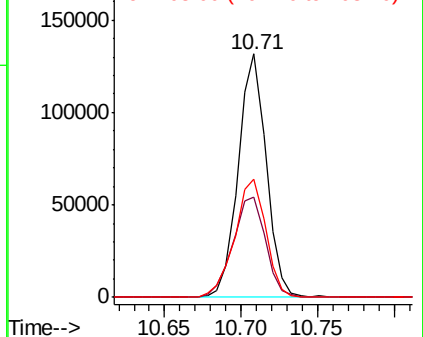
103 54.0 43.2 64.8



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: 19.245 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX015242.D

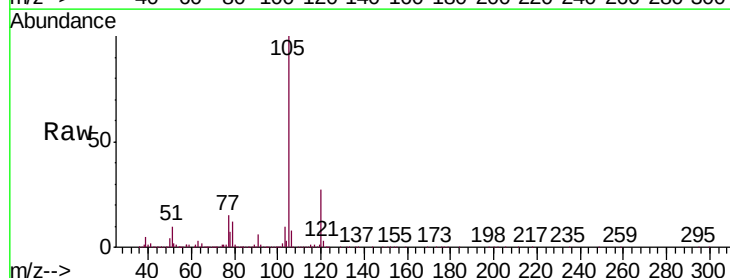
Acq: 12 Mar 2020 18:45

Tgt Ion:105 Resp: 257985

Ion Ratio Lower Upper

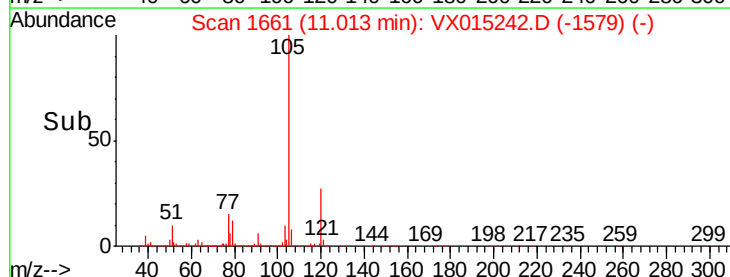
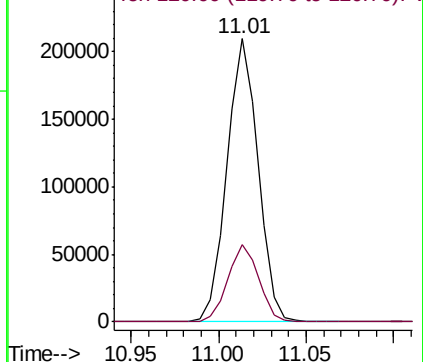
105 100

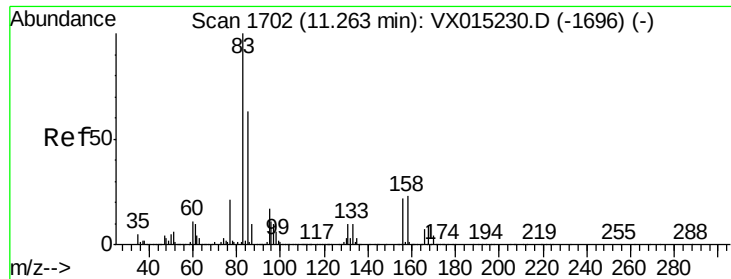
120 27.1 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

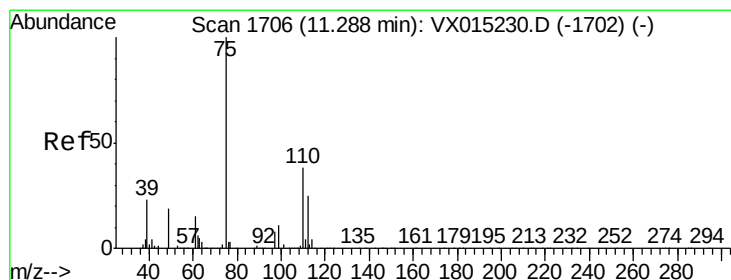
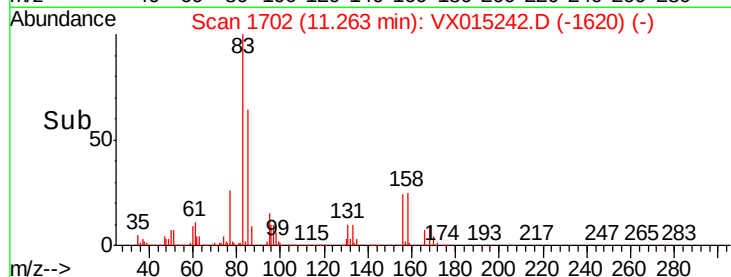
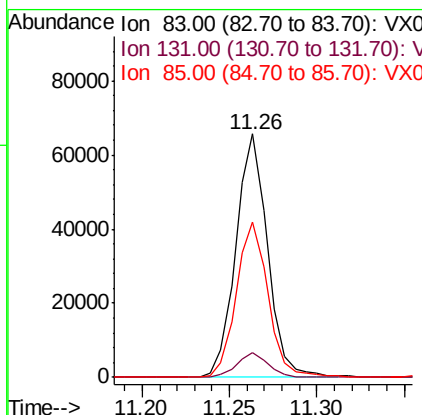
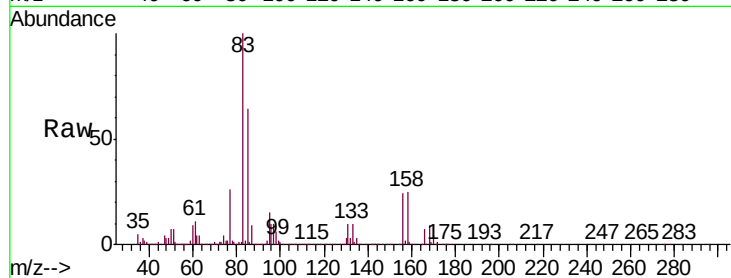




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.981 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

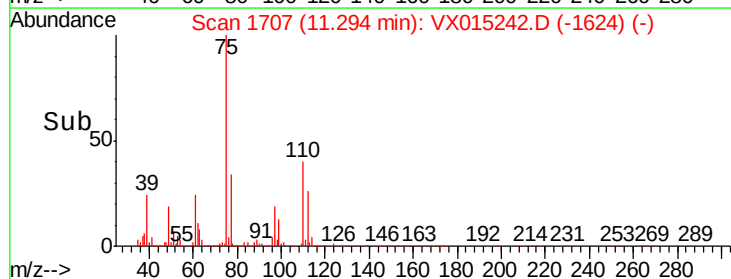
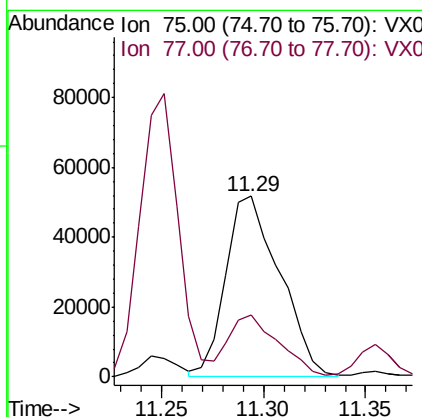
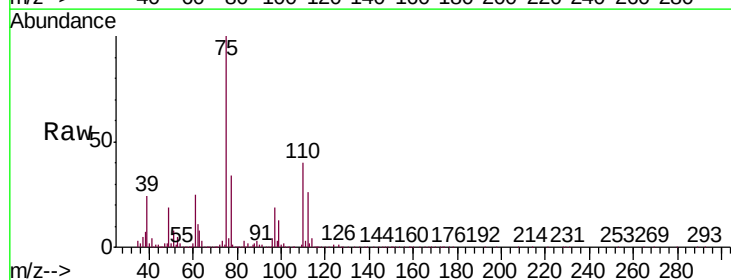
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

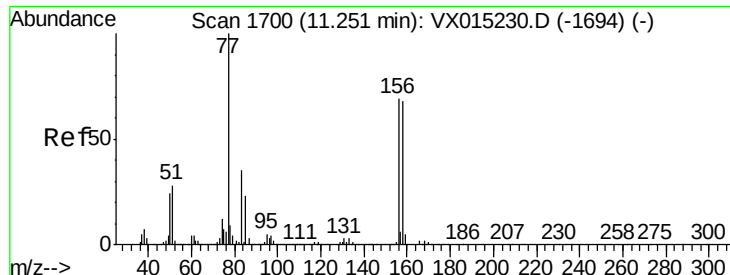
Tgt Ion: 83 Resp: 82596
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.0 14.9
 85 64.4 31.8 95.4



#72
 1,2,3-Trichloropropane
 Concen: 26.699 ug/l
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

Tgt Ion: 75 Resp: 95097
 Ion Ratio Lower Upper
 75 100
 77 31.1 0.0 83.0





#73

Bromobenzene

Concen: 18.971 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

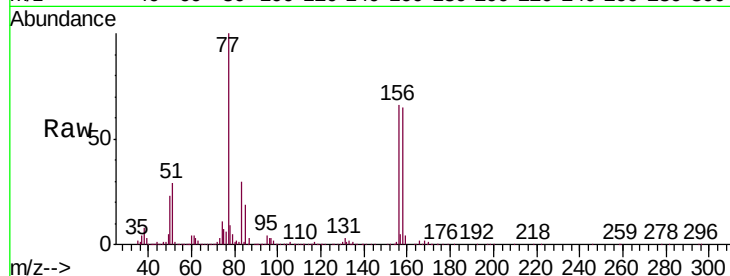
Tgt Ion:156 Resp: 69356

Ion Ratio Lower Upper

156 100

77 152.8 0.0 305.0

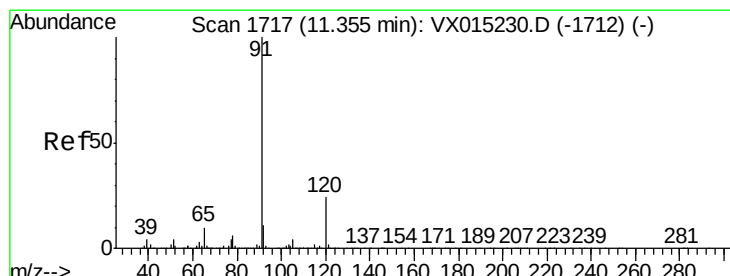
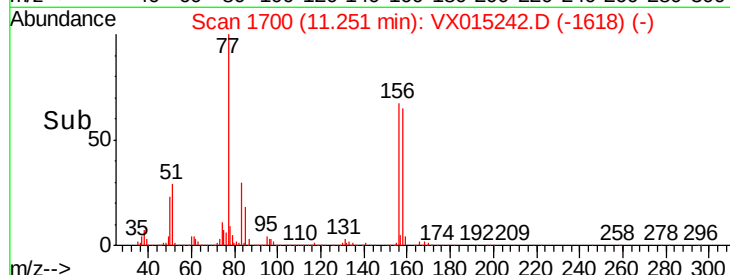
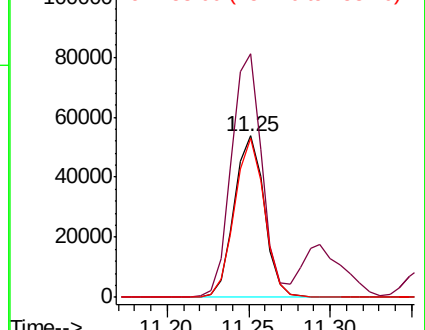
158 97.8 0.0 197.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.804 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX015242.D

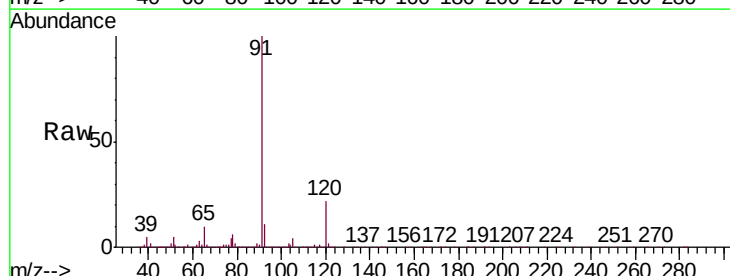
Acq: 12 Mar 2020 18:45

Tgt Ion: 91 Resp: 297789

Ion Ratio Lower Upper

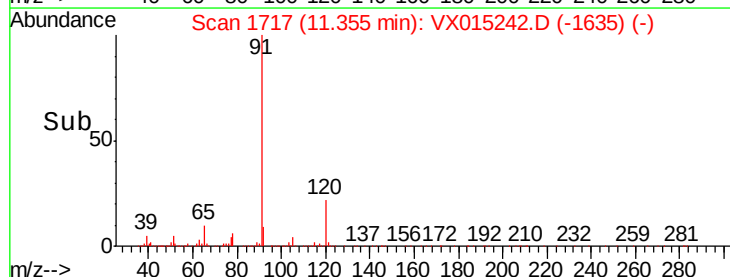
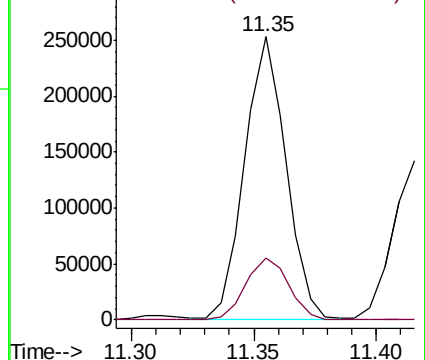
91 100

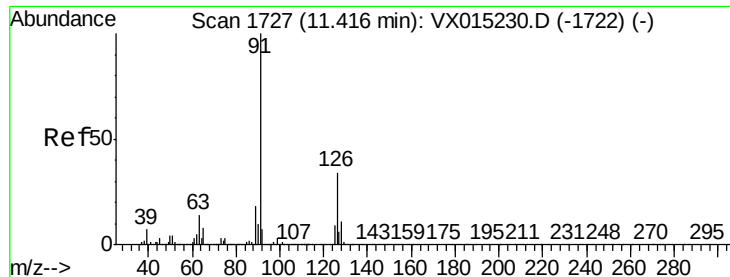
120 22.8 0.0 47.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.848 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

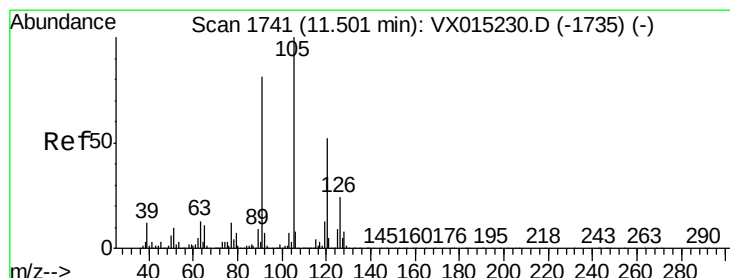
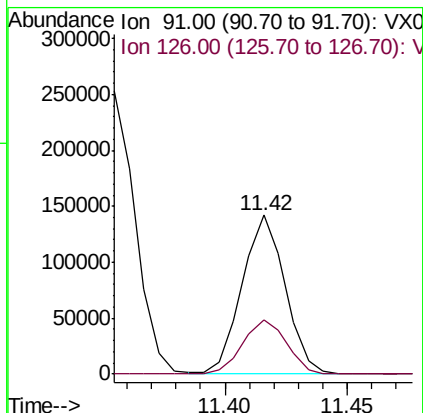
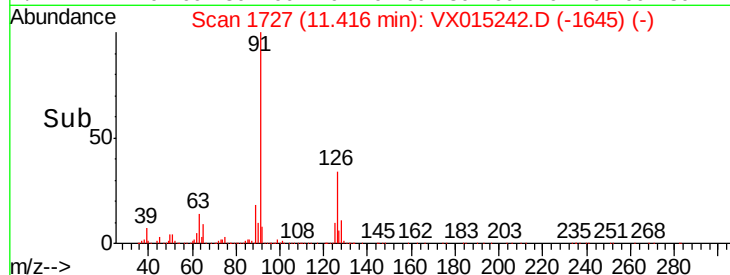
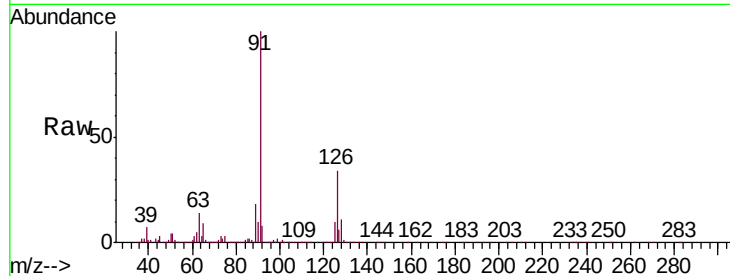
VSTDCCC020EC

Tgt Ion: 91 Resp: 174271

Ion Ratio Lower Upper

91 100

126 34.7 0.0 69.8



#76

1,3,5-Trimethylbenzene

Concen: 18.658 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX015242.D

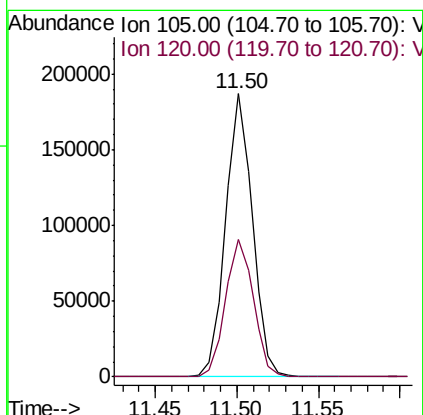
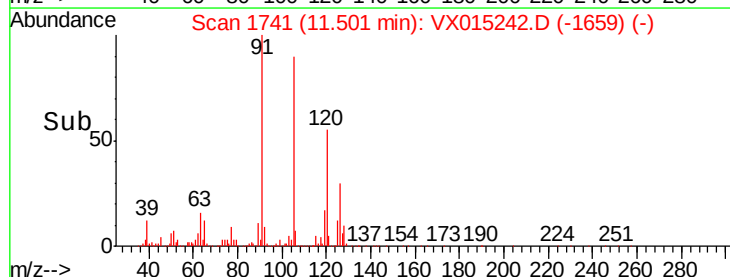
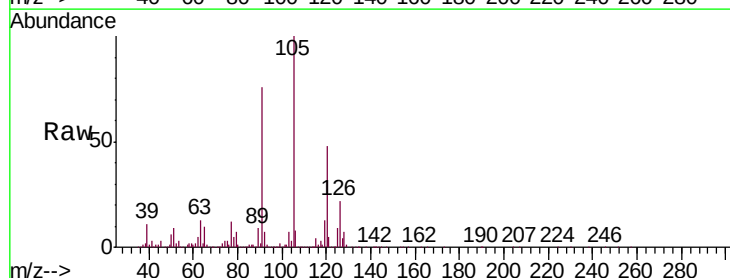
Acq: 12 Mar 2020 18:45

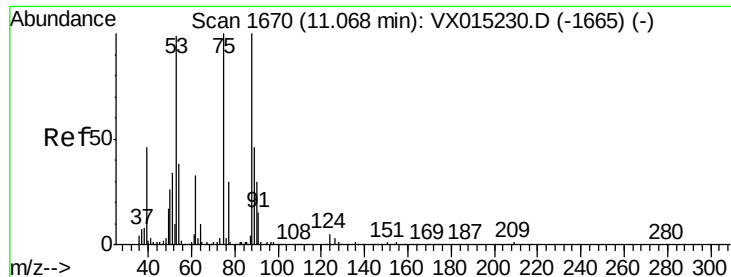
Tgt Ion: 105 Resp: 213506

Ion Ratio Lower Upper

105 100

120 50.7 0.0 101.2





#77

t-1,4-Dichloro-2-butene

Concen: 17.411 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

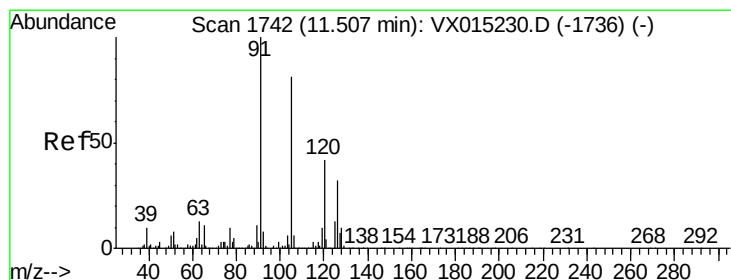
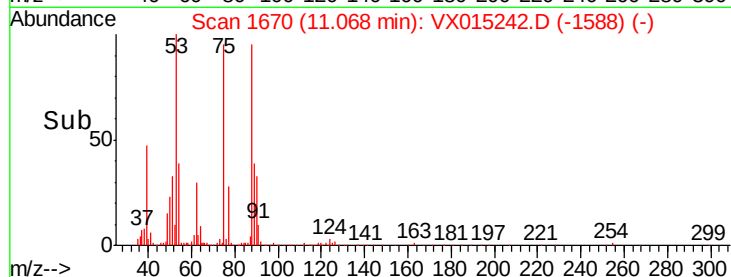
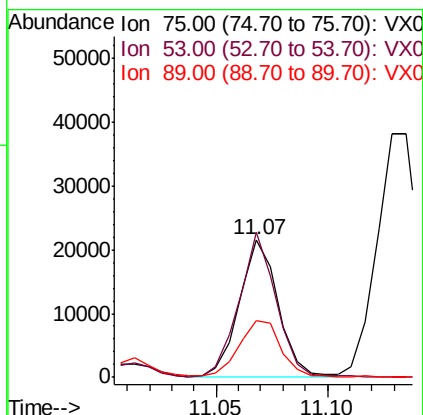
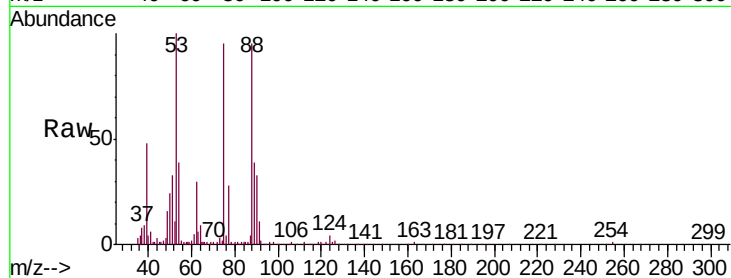
Tgt Ion: 75 Resp: 25972

Ion Ratio Lower Upper

75 100

53 104.5 49.5 148.3

89 40.8 22.9 68.8



#78

4-Chlorotoluene

Concen: 18.753 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX015242.D

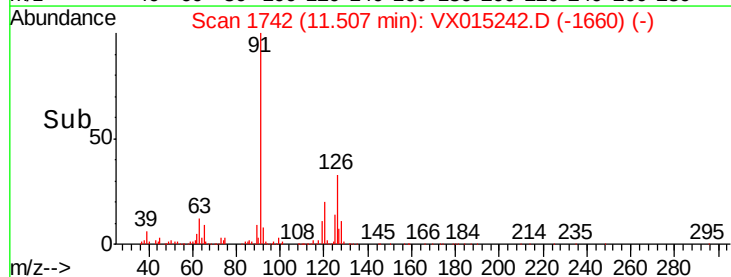
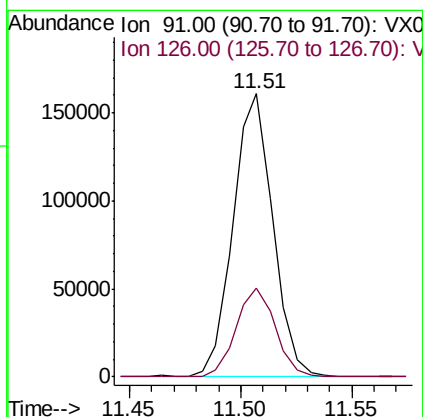
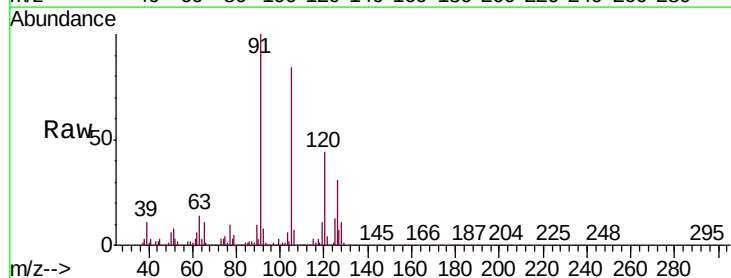
Acq: 12 Mar 2020 18:45

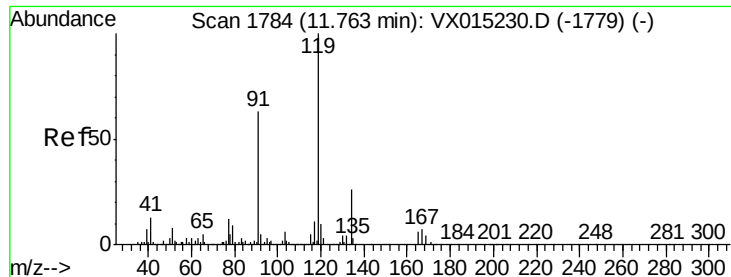
Tgt Ion: 91 Resp: 199636

Ion Ratio Lower Upper

91 100

126 31.0 0.0 61.4

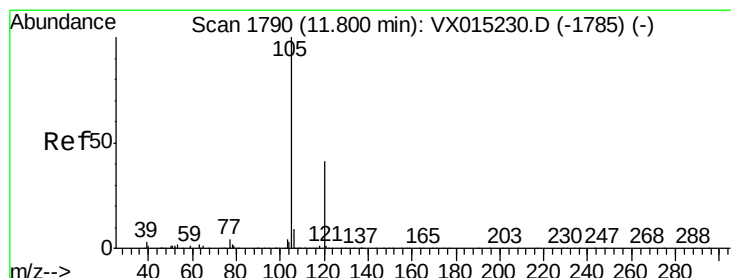
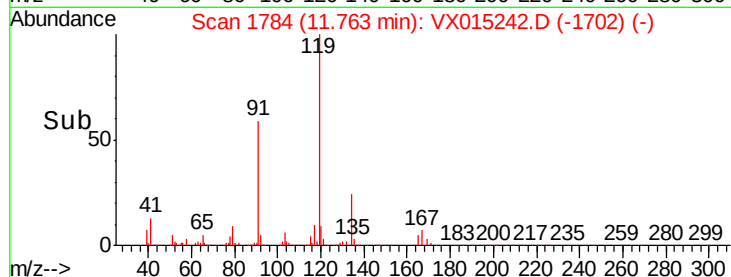
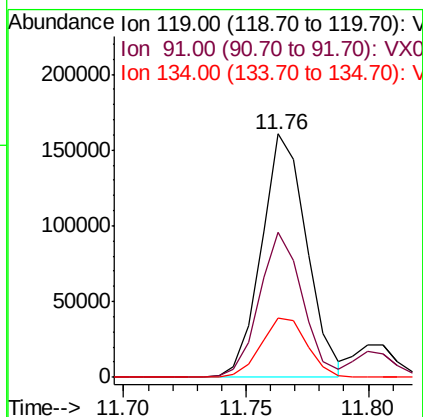
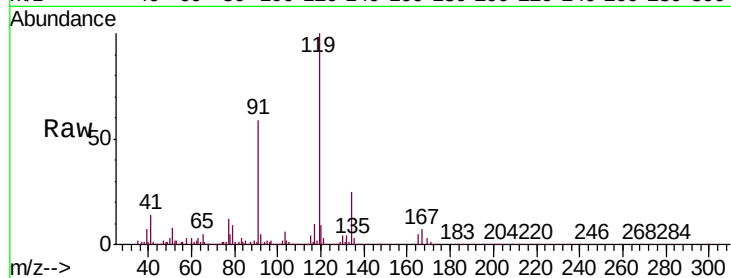




#79
tert-butylbenzene
Concen: 19.203 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

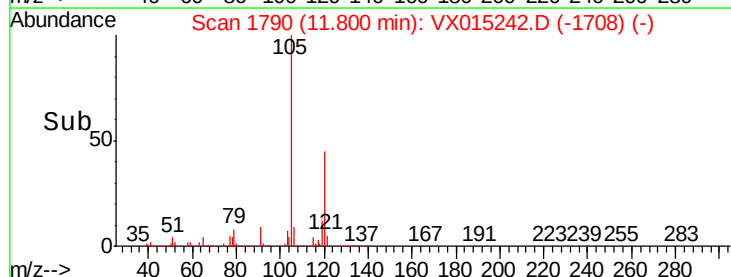
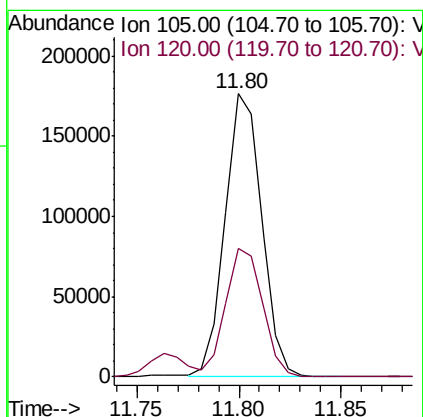
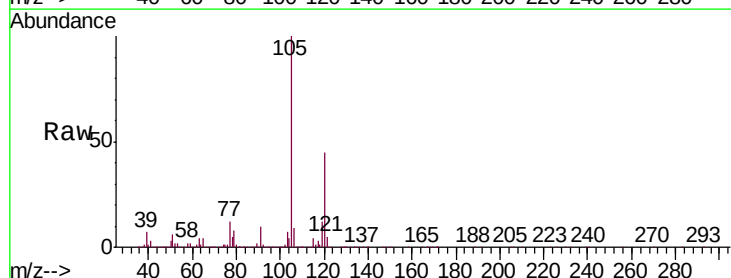
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

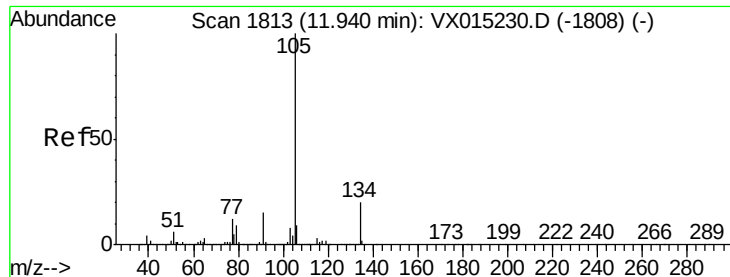
Tgt Ion	Ratio	Lower	Upper
119	100		
91	56.7	0.0	115.4
134	24.9	0.0	49.4



#80
1,2,4-Trimethylbenzene
Concen: 19.293 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	0.0	93.2





#81

sec-Butylbenzene

Concen: 18.788 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

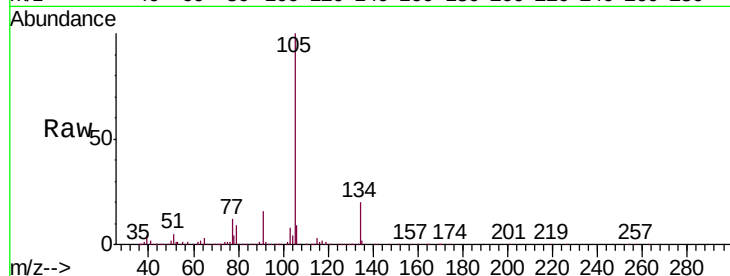
VSTDCCC020EC

Tgt Ion:105 Resp: 250156

Ion Ratio Lower Upper

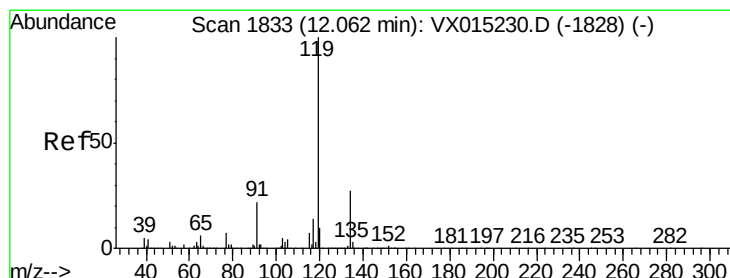
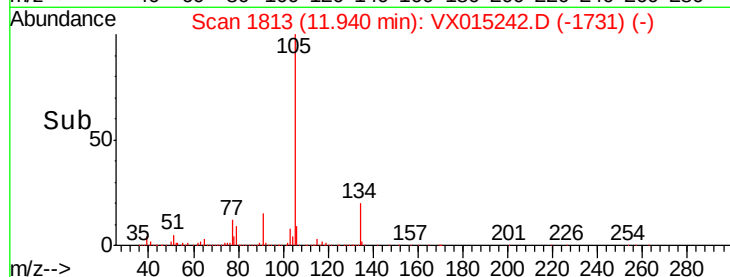
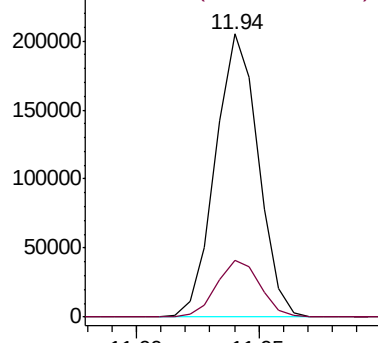
105 100

134 20.6 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.786 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

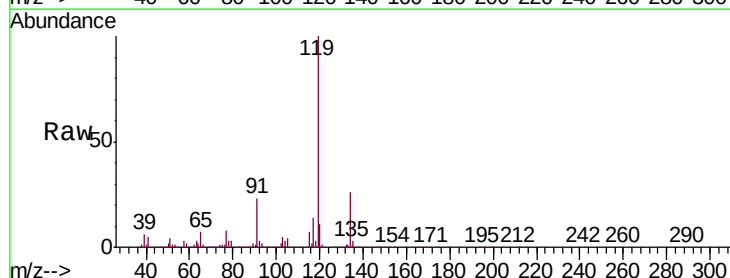
Tgt Ion:119 Resp: 230010

Ion Ratio Lower Upper

119 100

134 26.4 0.0 53.6

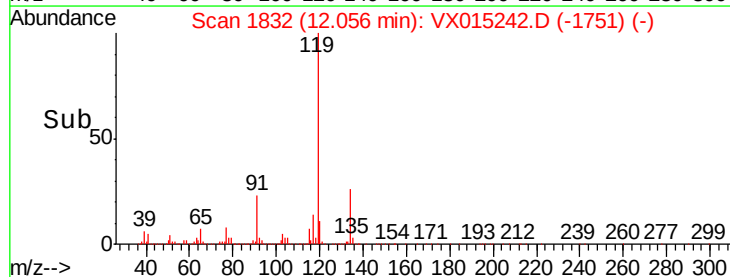
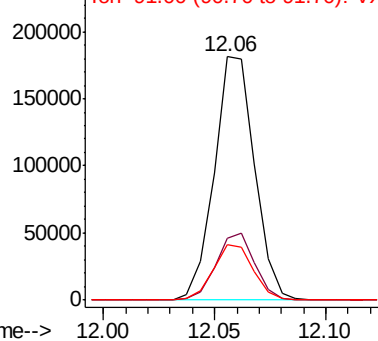
91 22.5 0.0 43.6

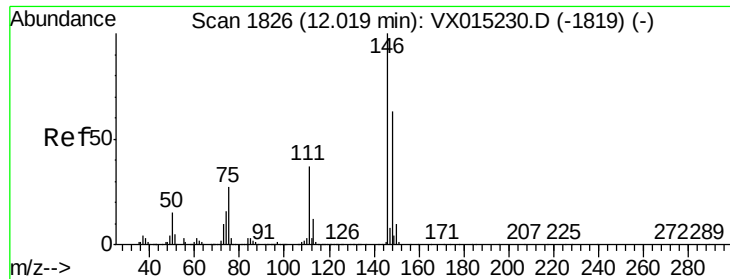


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

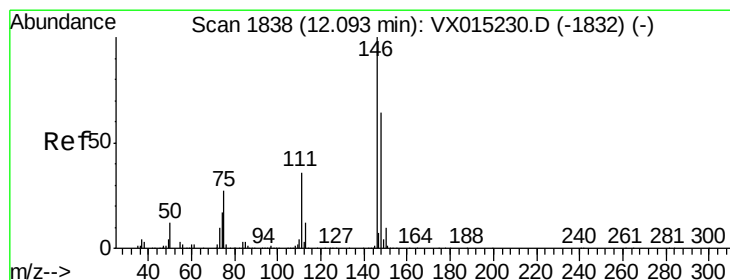
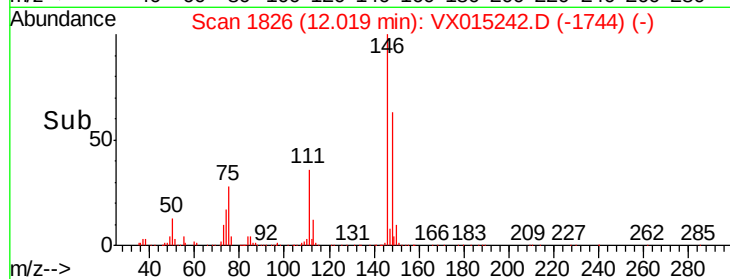
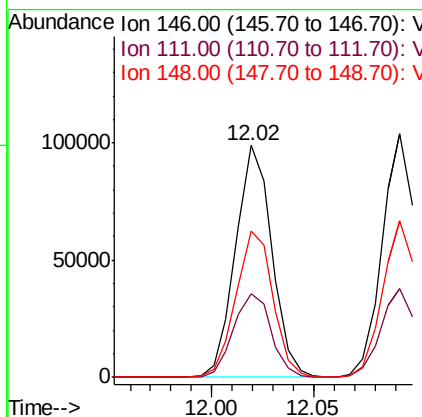
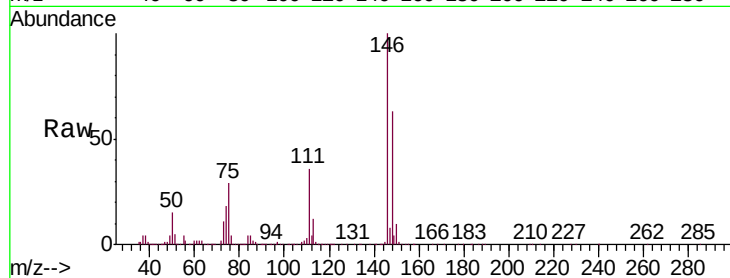




#83
 1,3-Dichlorobenzene
 Concen: 18.943 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

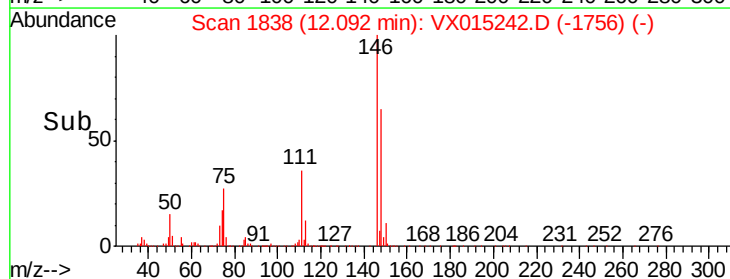
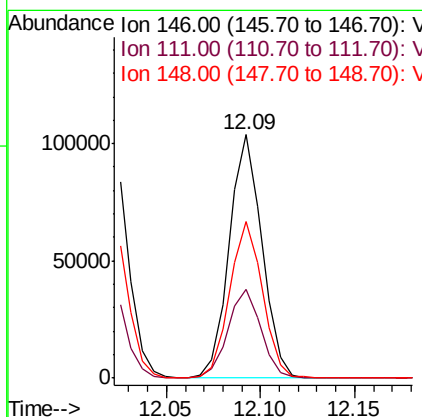
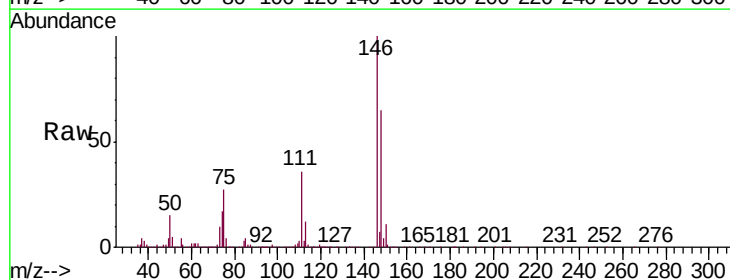
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

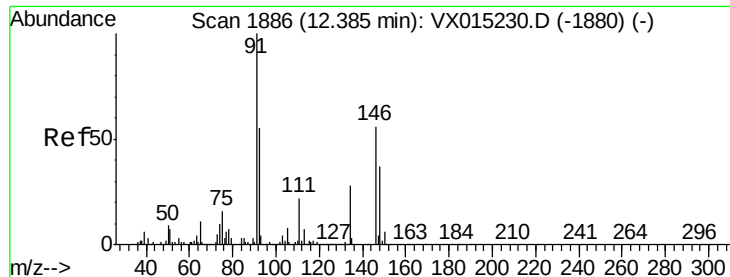
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.4	31.9	95.7



#84
 1,4-Dichlorobenzene
 Concen: 19.347 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.0
148	64.5	31.9	95.9





#85

n-Butylbenzene

Concen: 18.806 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX015242.D

Acq: 12 Mar 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

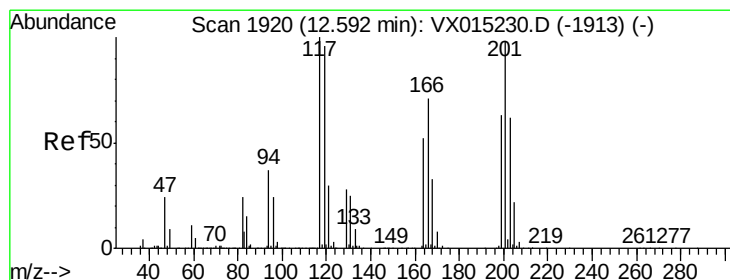
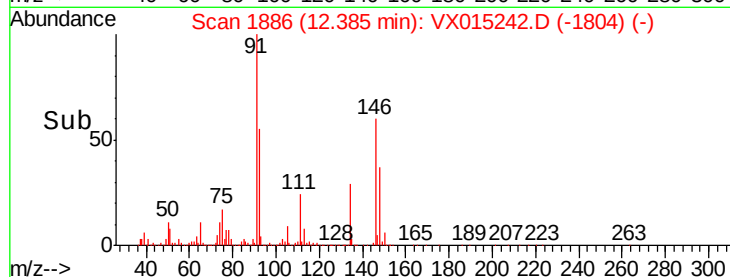
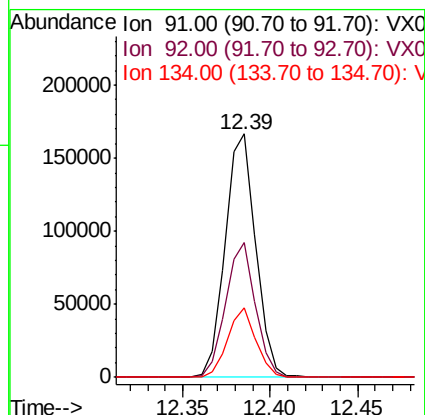
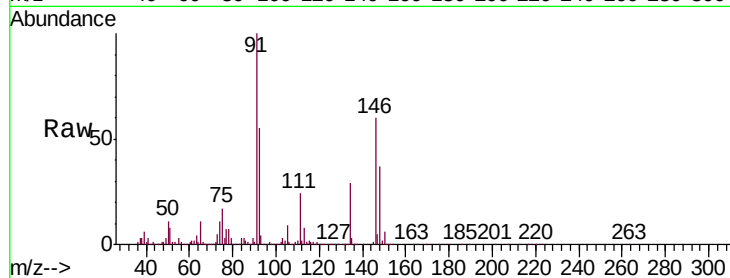
Tgt Ion: 91 Resp: 201790

Ion Ratio Lower Upper

91 100

92 54.1 0.0 109.4

134 26.7 0.0 53.0



#86

Hexachloroethane

Concen: 18.475 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX015242.D

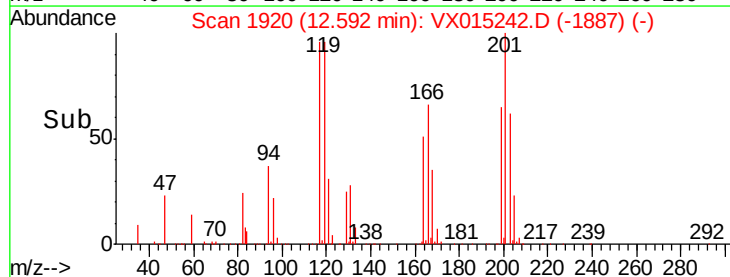
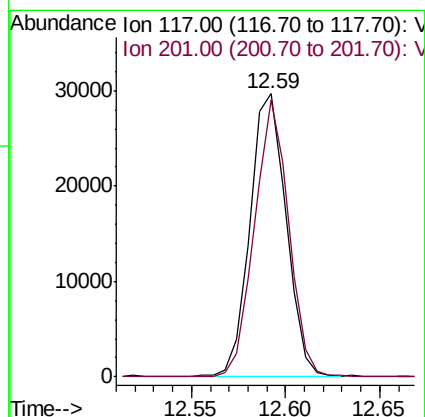
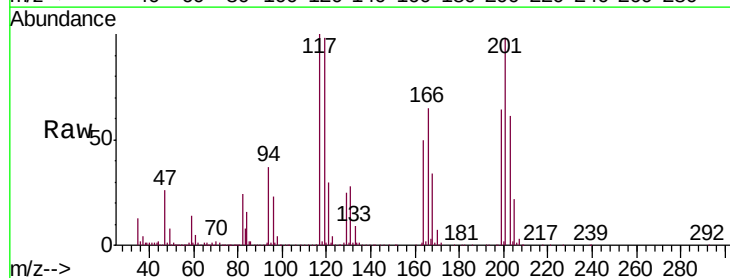
Acq: 12 Mar 2020 18:45

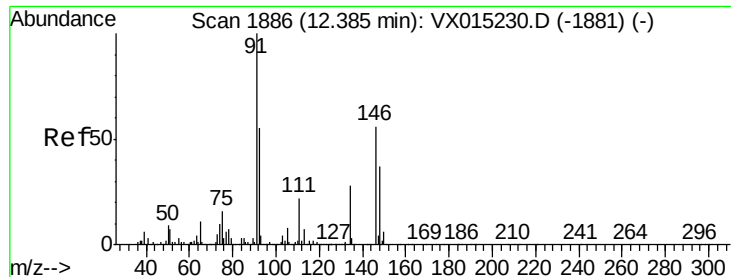
Tgt Ion: 117 Resp: 39601

Ion Ratio Lower Upper

117 100

201 92.0 47.8 143.3

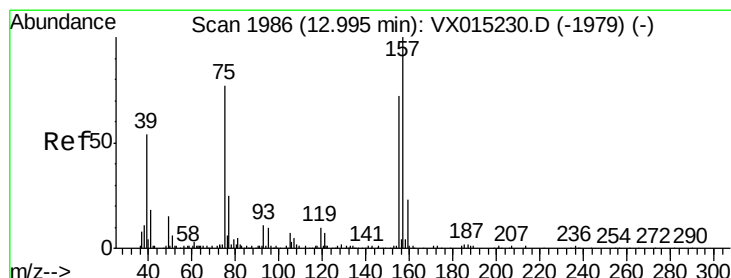
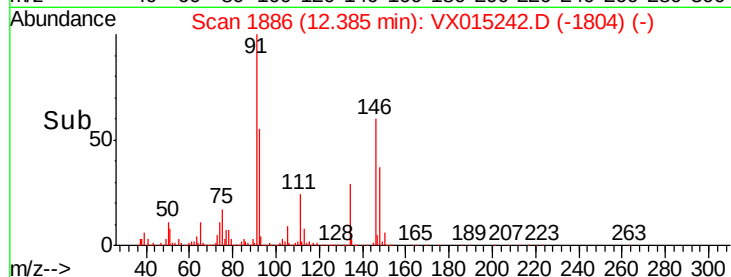
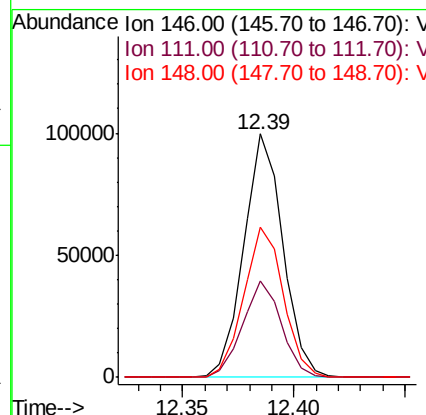
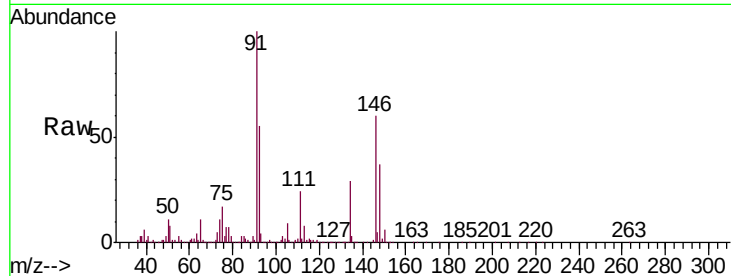




#87
 1,2-Dichlorobenzene
 Concen: 19.411 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

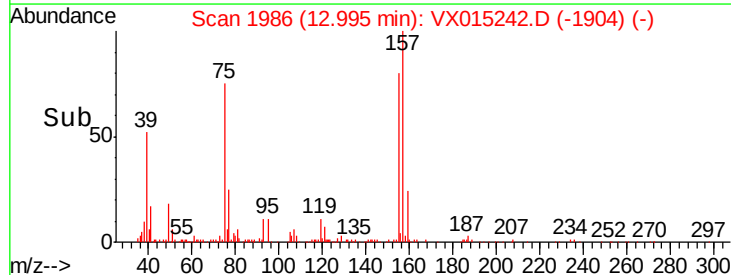
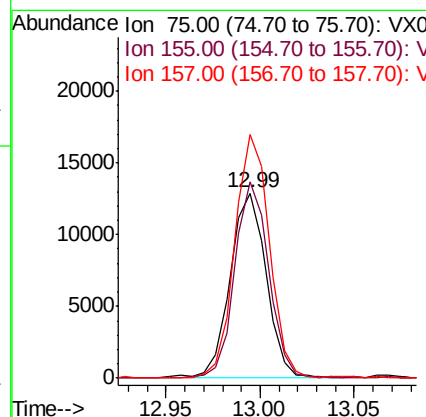
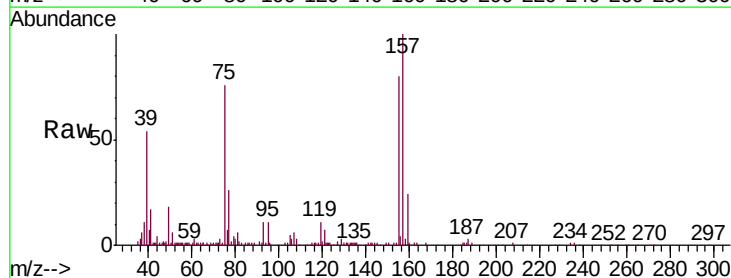
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

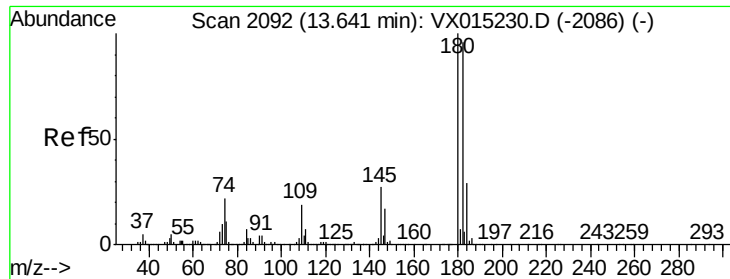
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.4
148	62.5	32.4	97.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.162 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	77.5	116.3
157	125.9	103.0	154.4

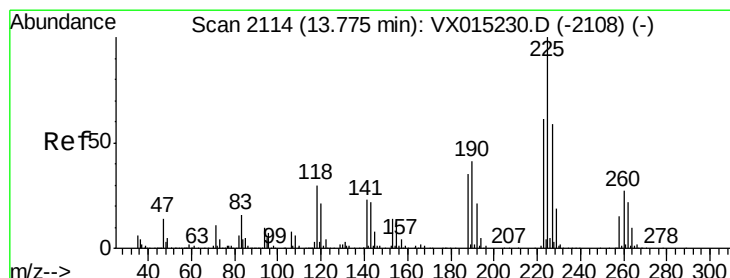
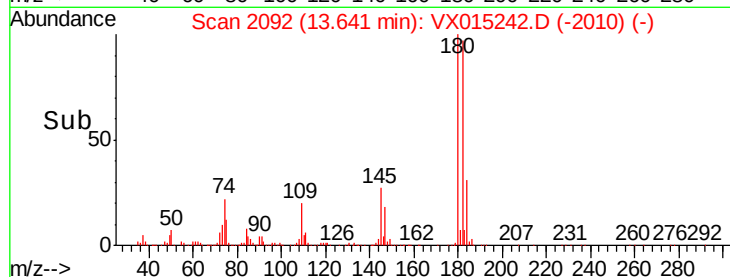
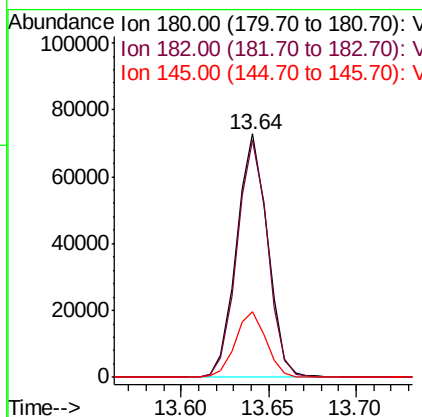
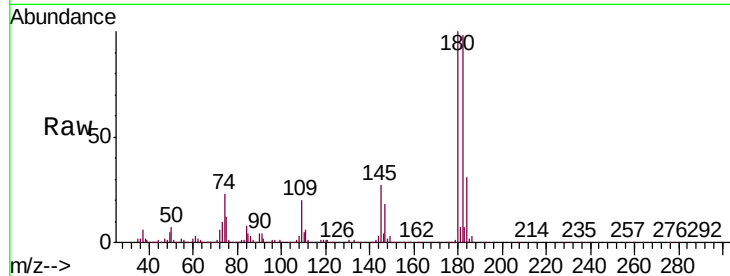




#89
 1,2,4-Trichlorobenzene
 Concen: 19.345 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

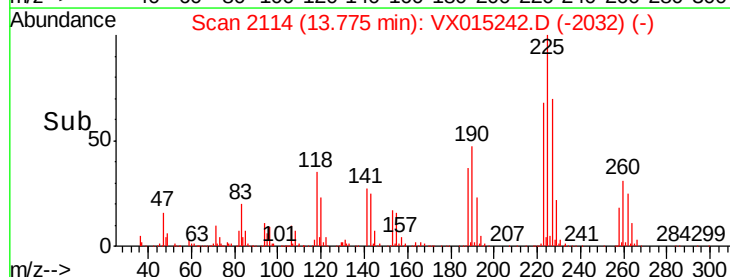
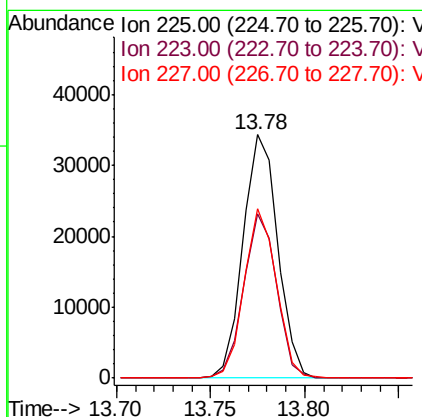
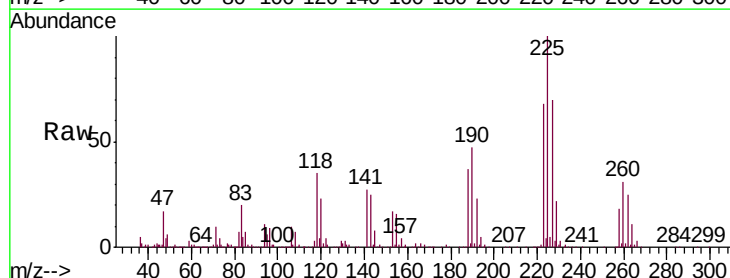
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

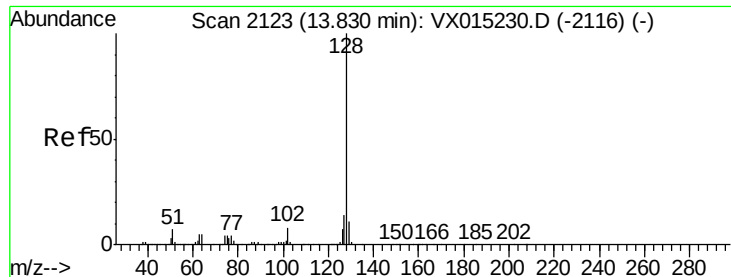
Tgt Ion:180 Resp: 90059
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.6 115.0
 145 27.0 22.7 34.1



#90
 Hexachlorobutadiene
 Concen: 18.347 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX015242.D
 Acq: 12 Mar 2020 18:45

Tgt Ion:225 Resp: 43942
 Ion Ratio Lower Upper
 225 100
 223 63.9 0.0 125.0
 227 64.7 0.0 126.2

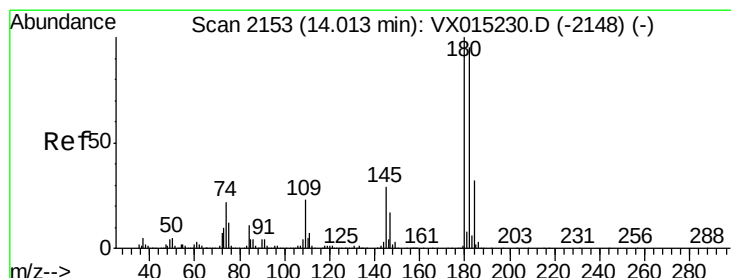
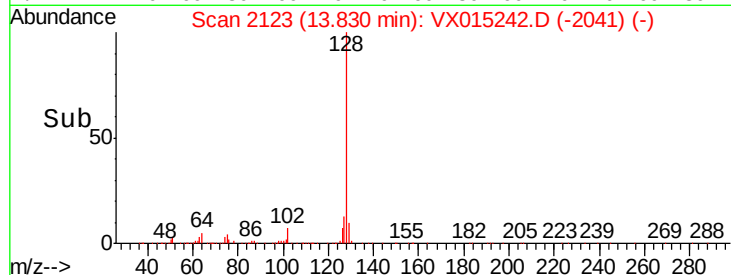
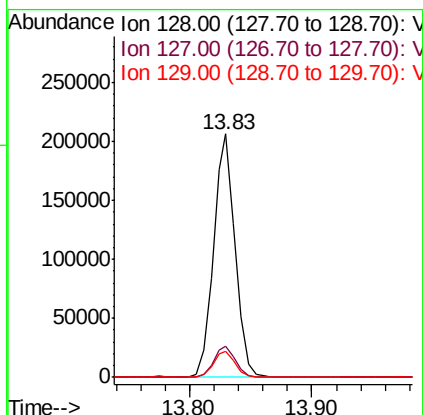
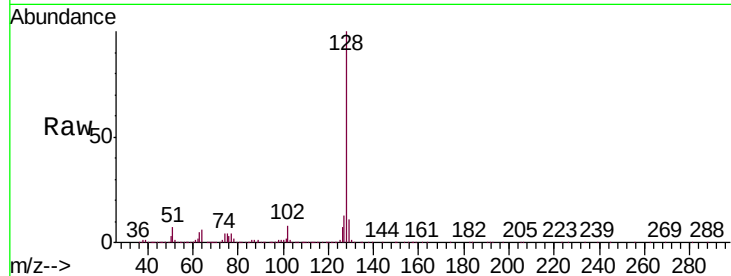




#91
Naphthalene
Concen: 19.622 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 253062
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.8 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 19.505 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX015242.D
Acq: 12 Mar 2020 18:45

Tgt Ion:180 Resp: 91389
Ion Ratio Lower Upper
180 100
182 96.0 0.0 192.0
145 29.8 0.0 60.0

