

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016003.D
 Acq On : 01 May 2020 11:13
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: May 02 06:49:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	62982	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	353004	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	318138	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	143717	29.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.97%
60) 4-Bromofluorobenzene	11.12	95	156985	29.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.10%
63) Toluene-d8	8.70	98	419198	30.72	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	85280	19.658	ug/l 98
3) Chloromethane	1.32	50	81084	19.077	ug/l 99
4) Vinyl Chloride	1.40	62	90868	18.817	ug/l 97
5) Bromomethane	1.63	94	61864	20.900	ug/l 99
6) Chloroethane	1.71	64	58226	18.392	ug/l 100
7) Trichlorofluoromethane	1.92	101	125112	18.088	ug/l 99
8) Diethyl Ether	2.17	74	49384	17.887	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	67102	18.785	ug/l 99
10) 1,1-Dichloroethene	2.36	96	68857	19.106	ug/l 94
11) Methyl Iodide	2.49	142	89609	18.213	ug/l 98
12) Methyl Acetate	2.75	43	122245	19.428	ug/l 99
13) Acrolein	2.27	56	44276	87.774	ug/l 96
14) Acrylonitrile	3.12	53	217817	93.716	ug/l 100
15) Acetone	2.42	58	55644	90.463	ug/l 98
16) Carbon Disulfide	2.55	76	203664	18.576	ug/l 99
17) Allyl chloride	2.71	41	124285	18.590	ug/l 97
18) Methylene Chloride	2.84	84	75109	18.604	ug/l 96
19) trans-1,2-Dichloroethene	3.14	96	72765	18.460	ug/l 95
20) Diisopropyl ether	3.82	45	238081	18.470	ug/l 95
21) 1,1-Dichloroethane	3.67	63	132987	18.502	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	82008	18.333	ug/l 99
23) tert-Butyl Alcohol	3.01	59	107378	94.379	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	239843	18.532	ug/l 98
25) Chloroform	5.17	83	133046	18.226	ug/l 100
26) Cyclohexane	5.55	56	120976	18.406	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	100342	18.073	ug/l 100
30) 2-Butanone	4.64	43	294565	89.041	ug/l 98
31) 2,2-Dichloropropane	4.55	77	123757	18.522	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	121549	18.048	ug/l 99
33) Carbon Tetrachloride	5.75	117	108500	18.093	ug/l 99
34) Benzene	6.11	78	298470	18.405	ug/l 99
35) Methacrylonitrile	5.00	41	64957	18.489	ug/l 95
36) 1,2-Dichloroethane	6.16	62	111016	17.926	ug/l 100
37) Trichloroethene	7.19	130	109562	18.992	ug/l 99
38) Methylcyclohexane	7.44	83	123072	18.139	ug/l 99
39) 1,2-Dichloropropane	7.49	63	74917	17.997	ug/l 96
40) Dibromomethane	7.64	93	51755	17.905	ug/l 99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	107219	17.993	ug/l	98
42) Vinyl Acetate	3.78	43	988878	90.352	ug/l	100
43) Ethyl Acetate	4.79	43	120014	18.391	ug/l	100
44) Isopropyl Acetate	6.41	43	193884	18.309	ug/l	99
45) 1,4-Dioxane	7.71	88	41177	368.118	ug/l	98
46) Methyl methacrylate	7.74	41	90582	18.043	ug/l	97
47) n-amyl Acetate	10.88	43	162564	17.556	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	124028	17.924	ug/l	98
49) cis-1,3-Dichloropropene	8.41	75	128895	18.029	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	72193	17.724	ug/l	98
51) Ethyl methacrylate	9.16	69	120174	17.867	ug/l	96
52) 1,3-Dichloropropane	9.35	76	128478	18.246	ug/l	99
53) Dibromochloromethane	9.57	129	80167	17.299	ug/l	96
54) 1,2-Dibromoethane	9.65	107	79273	17.708	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	323082	88.291	ug/l	100
56) Bromoform	10.84	173	58600	16.783	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	592075	94.373	ug/l	99
59) 2-Hexanone	9.47	43	456441	94.189	ug/l	99
61) Tetrachloroethene	9.32	164	119799	19.037	ug/l	96
62) Toluene	8.76	91	315882	18.585	ug/l	99
64) Chlorobenzene	10.12	112	197633	18.262	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	73137	17.802	ug/l	98
66) Ethyl Benzene	10.24	91	357416	18.467	ug/l	100
67) m/p-Xylenes	10.34	106	270188	36.647	ug/l	99
68) o-Xylene	10.68	106	129591	18.227	ug/l	99
69) Styrene	10.70	104	218296	17.940	ug/l	100
70) Isopropylbenzene	11.00	105	350908	18.281	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	53063	14.870	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	145819	25.230	ug/l	82
73) Bromobenzene	11.24	156	86218	17.824	ug/l	98
74) n-propylbenzene	11.34	91	404981	18.164	ug/l	100
75) 2-Chlorotoluene	11.40	91	239283	18.263	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	295550	18.139	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	45045	18.126	ug/l	97
78) 4-Chlorotoluene	11.49	91	279250	18.006	ug/l	100
79) tert-butylbenzene	11.76	119	251949	18.105	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	295287	18.140	ug/l	99
81) sec-Butylbenzene	11.93	105	342360	18.241	ug/l	99
82) p-Isopropyltoluene	12.05	119	313996	18.053	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	158205	18.141	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	155945	17.996	ug/l	100
85) n-Butylbenzene	12.37	91	281984	17.748	ug/l	99
86) Hexachloroethane	12.58	117	54362	17.754	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	152202	18.045	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	26514	17.756	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	108547	17.472	ug/l	99
90) Hexachlorobutadiene	13.77	225	50685	18.983	ug/l	99
91) Naphthalene	13.82	128	356654	18.032	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	105258	17.636	ug/l	100

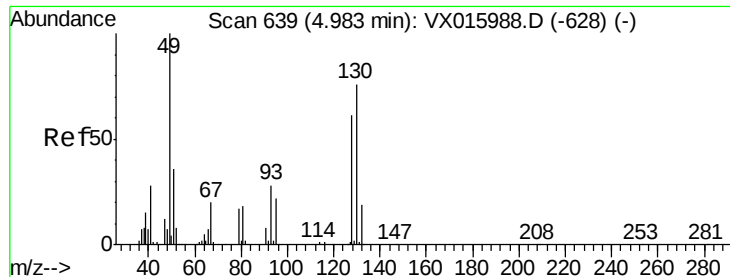
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

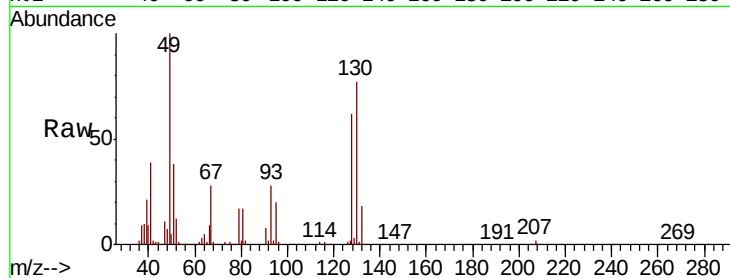
Tot Ion:128 Resp: 62982

Ion Ratio Lower Upper

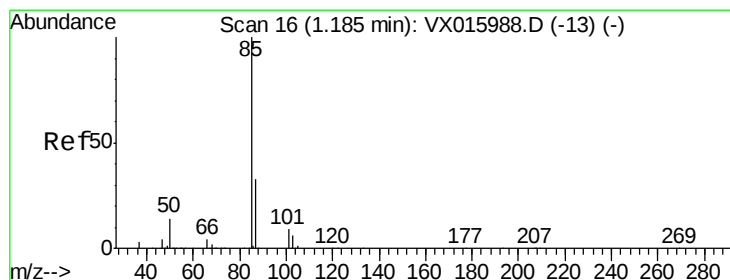
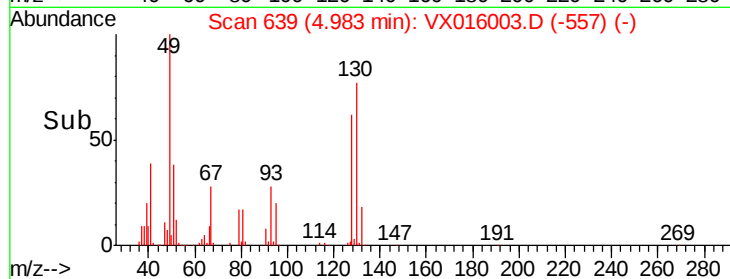
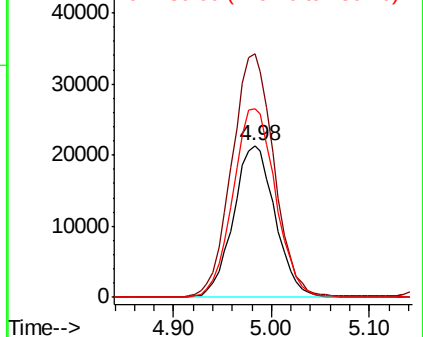
128 100

49 162.9 0.0 418.5

130 127.7 0.0 326.3



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: 19.658 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016003.D

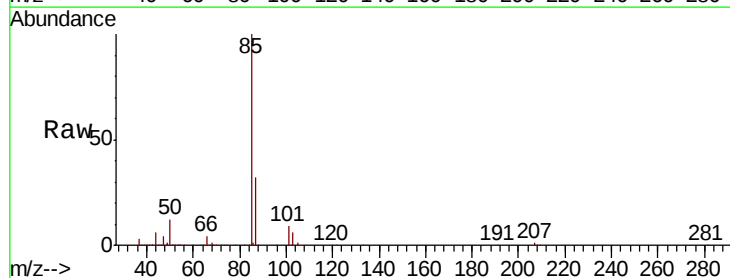
Acq: 01 May 2020 11:13

Tgt Ion: 85 Resp: 85280

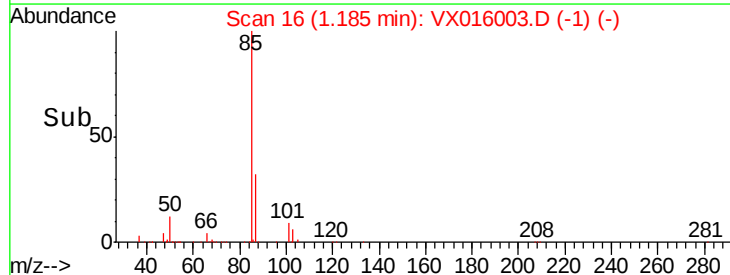
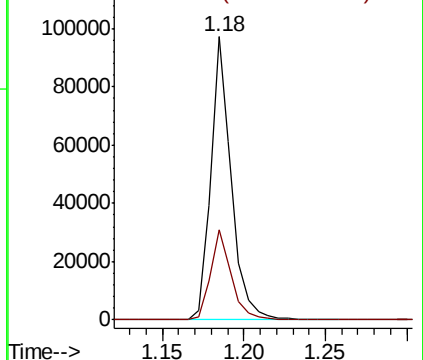
Ion Ratio Lower Upper

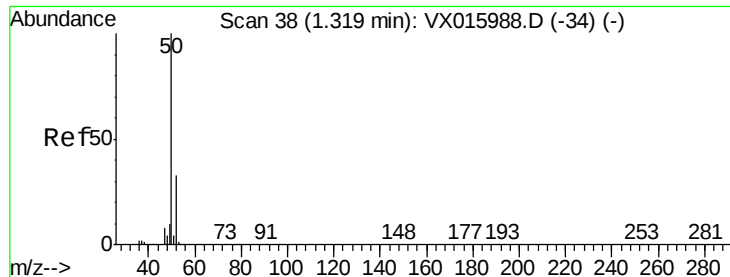
85 100

87 31.9 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.077 ug/l

RT: 1.32 min Scan# 38

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

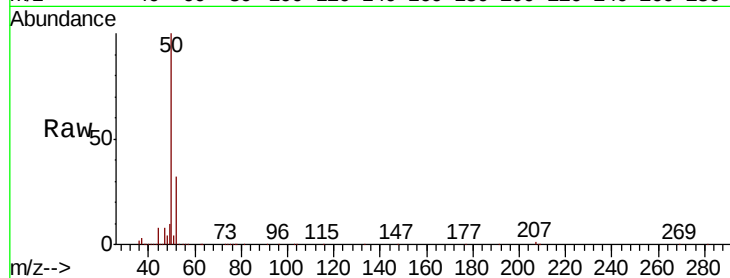
VSTDCCC020

Tot Ion: 50 Resp: 81084

Ion Ratio Lower Upper

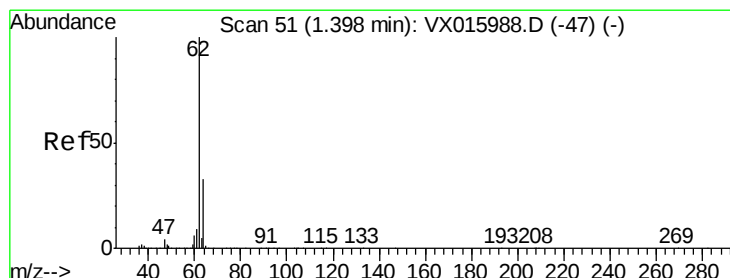
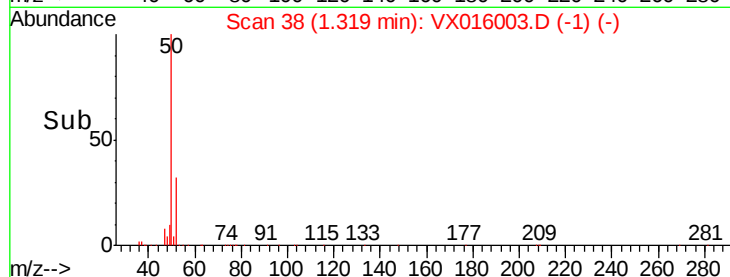
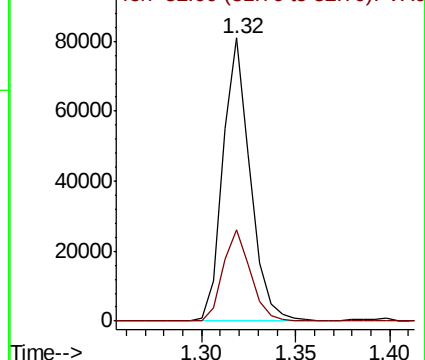
50 100

52 32.4 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.817 ug/l

RT: 1.40 min Scan# 51

Delta R.T. -0.00 min

Lab File: VX016003.D

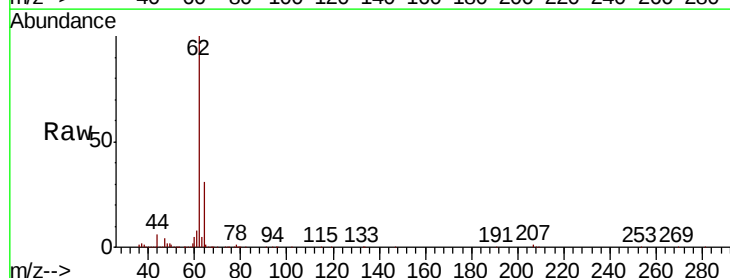
Acq: 01 May 2020 11:13

Tgt Ion: 62 Resp: 90868

Ion Ratio Lower Upper

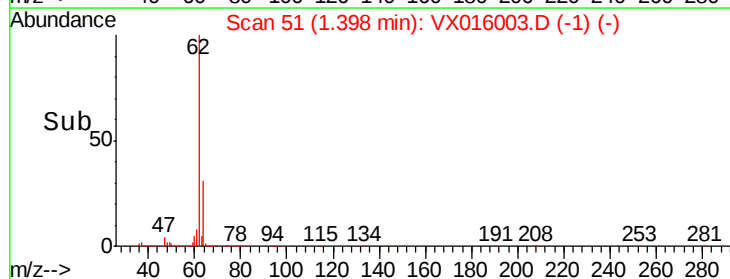
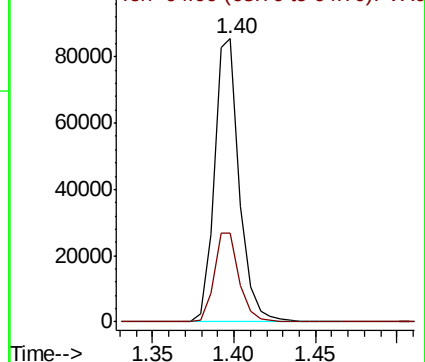
62 100

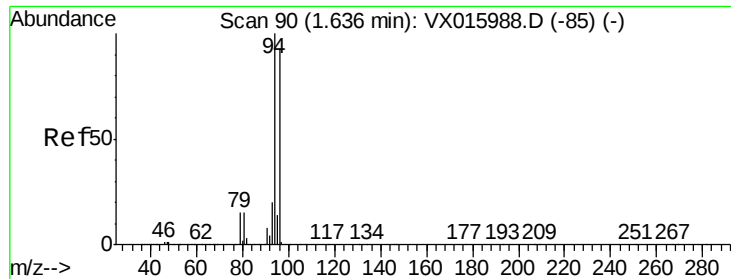
64 31.3 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 20.900 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

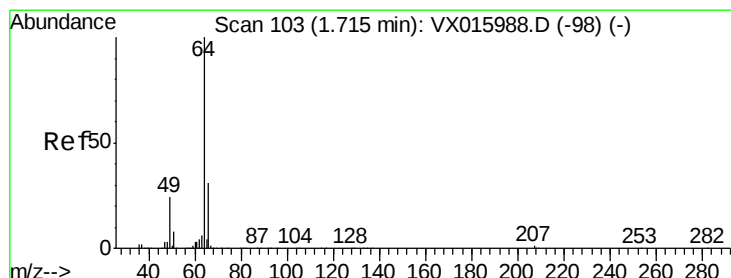
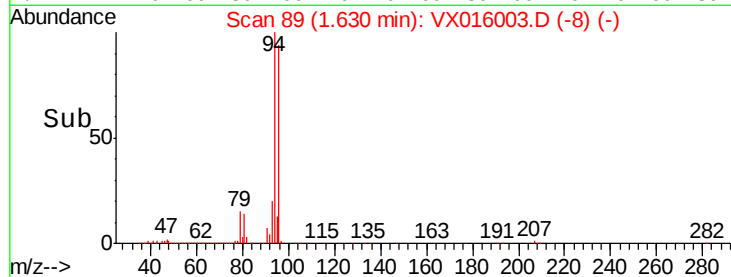
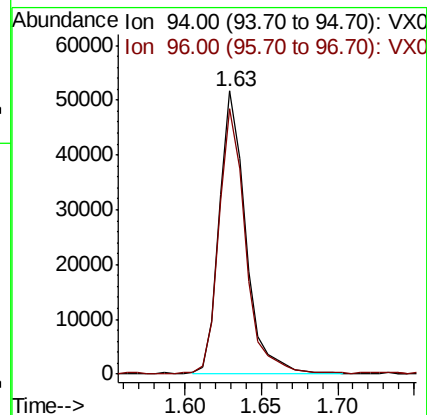
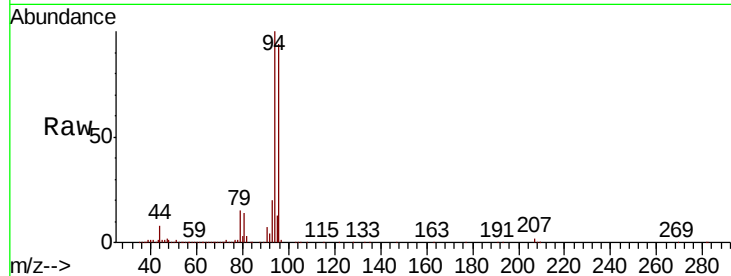
VSTDCCC020

Tot Ion: 94 Resp: 61864

Ion Ratio Lower Upper

94 100

96 93.5 74.2 111.2



#6

Chloroethane

Concen: 18.392 ug/l

RT: 1.71 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX016003.D

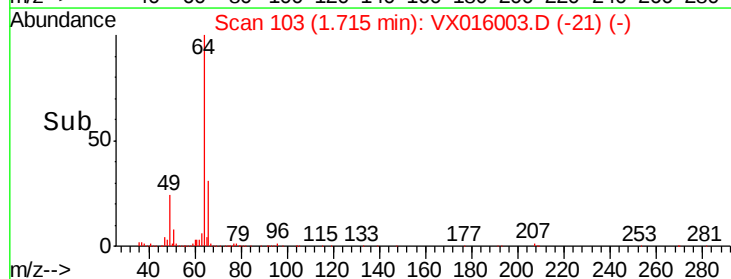
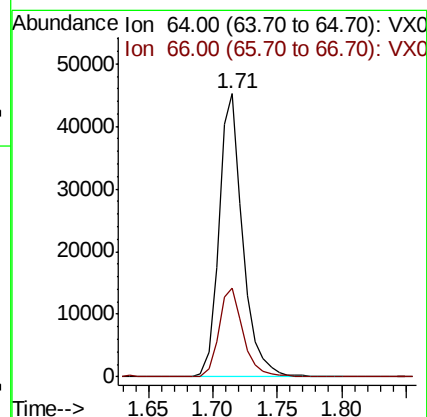
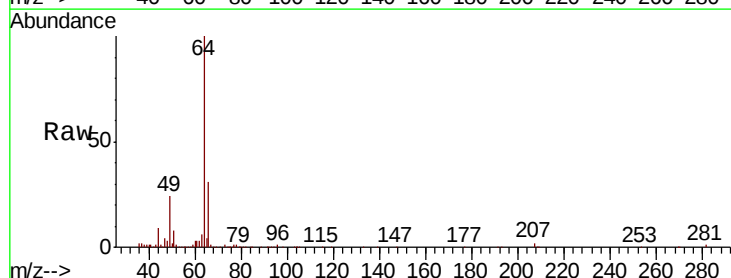
Acq: 01 May 2020 11:13

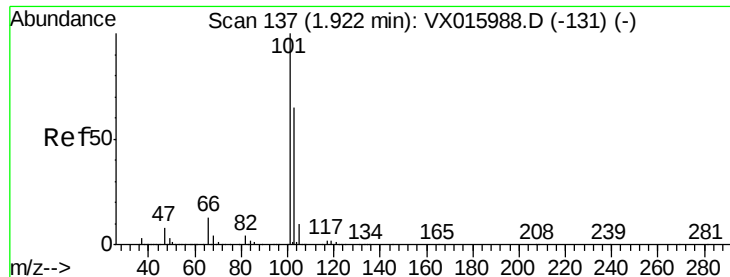
Tgt Ion: 64 Resp: 58226

Ion Ratio Lower Upper

64 100

66 31.1 24.9 37.3



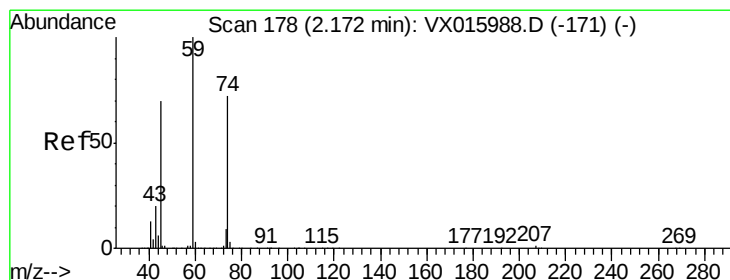
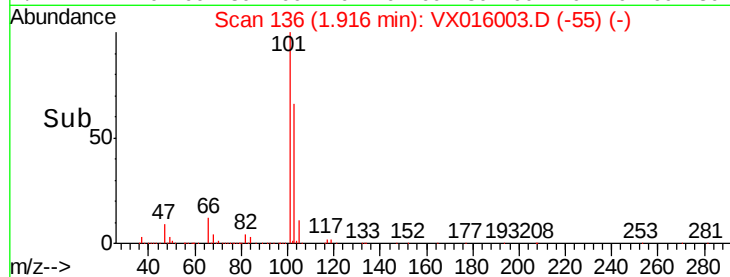
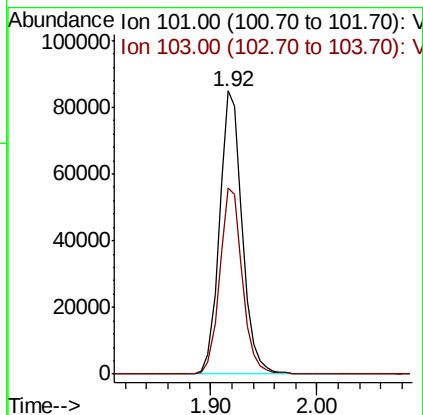
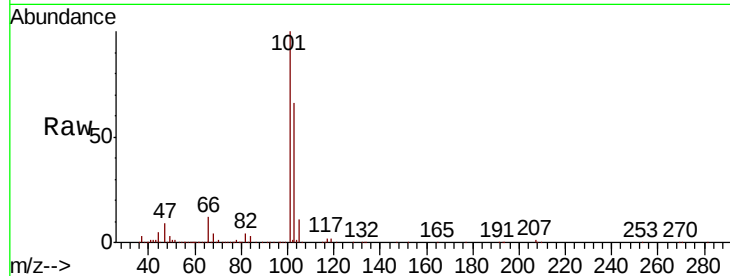


#7

Trichlorofluoromethane
Concen: 18.088 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

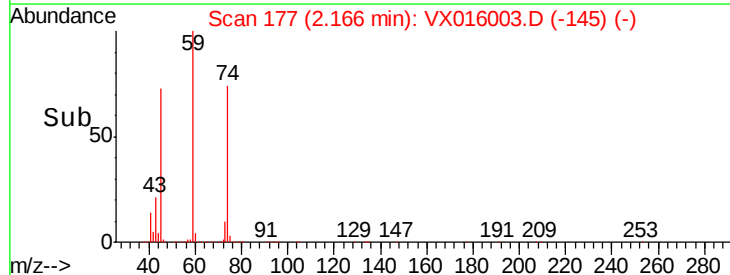
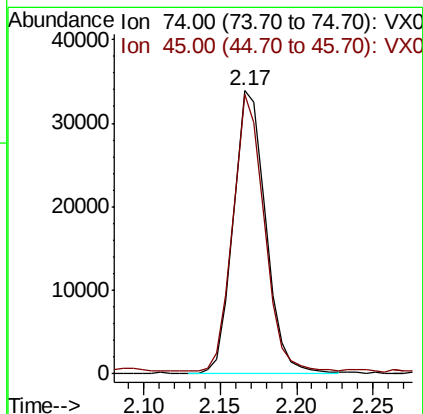
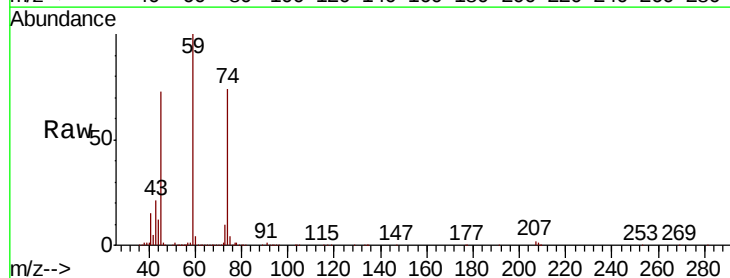
Tot Ion:101 Resp: 125112
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.8

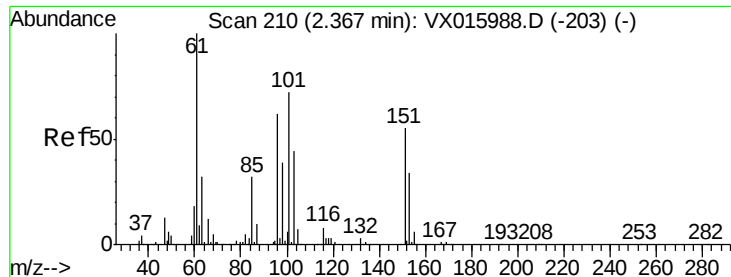


#8

Diethyl Ether
Concen: 17.887 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion: 74 Resp: 49384
Ion Ratio Lower Upper
74 100
45 95.4 19.4 174.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.785 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

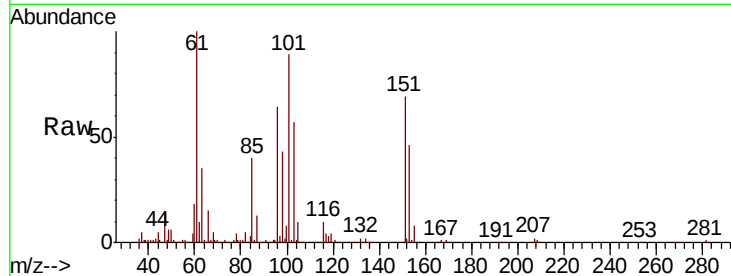
Tot Ion:101 Resp: 67102

Ion Ratio Lower Upper

101 100

85 45.5 0.0 90.6

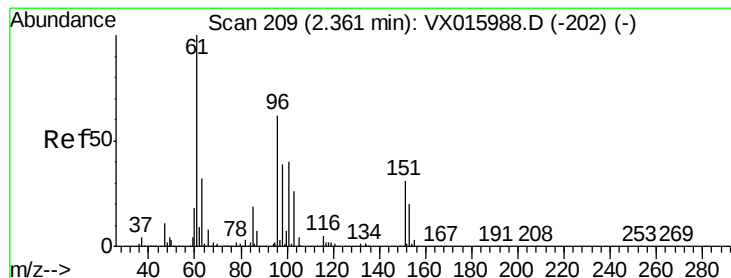
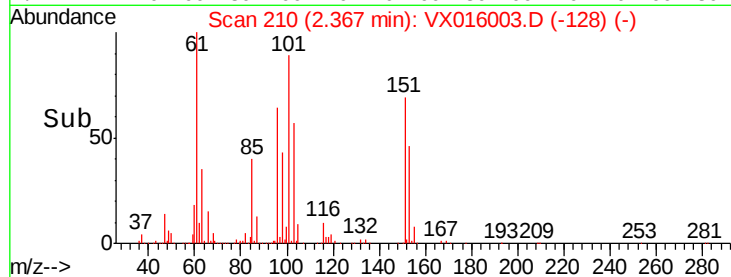
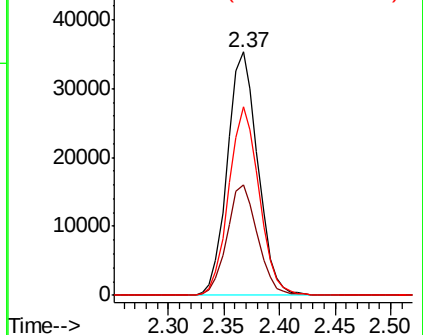
151 76.9 0.0 157.0



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: 19.106 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

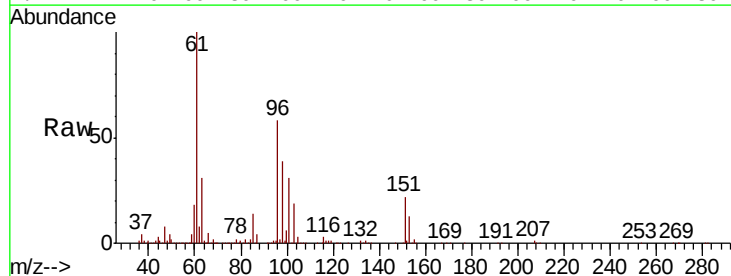
Tgt Ion: 96 Resp: 68857

Ion Ratio Lower Upper

96 100

61 171.6 129.8 194.8

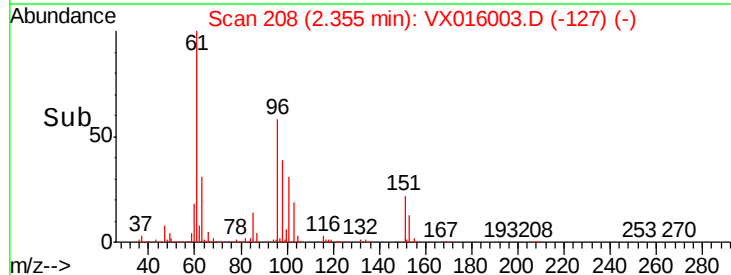
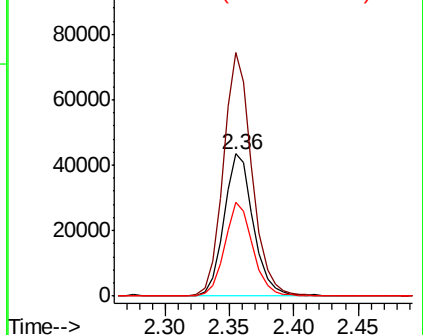
98 66.5 51.1 76.7

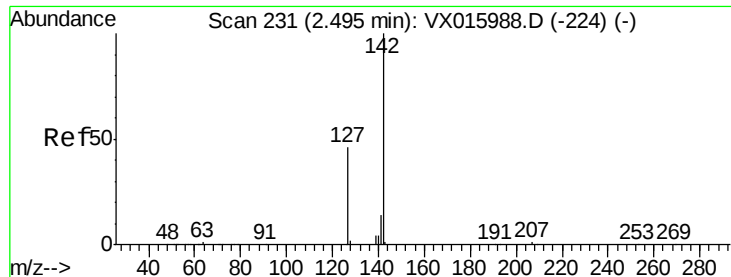


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

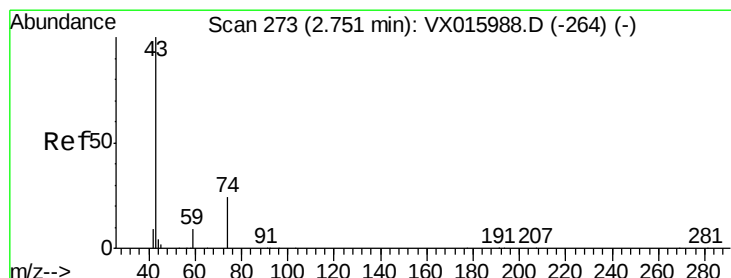
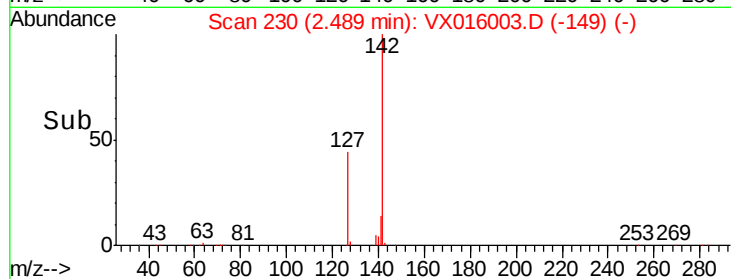
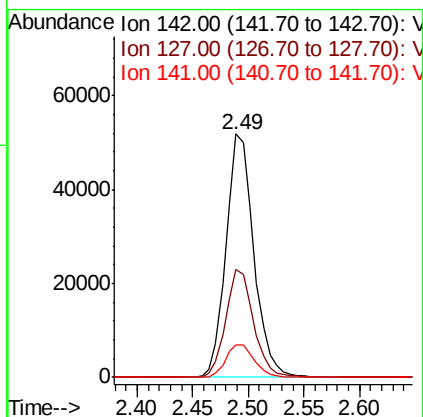
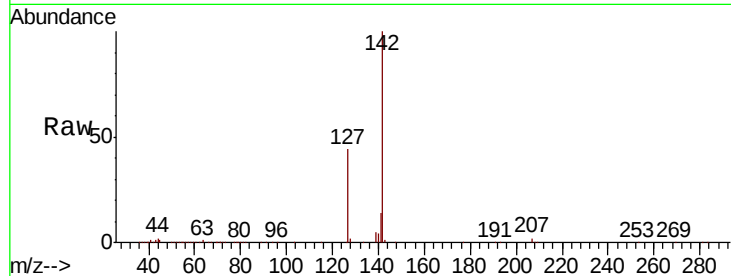




#11
Methvl Iodide
Concen: 18.213 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

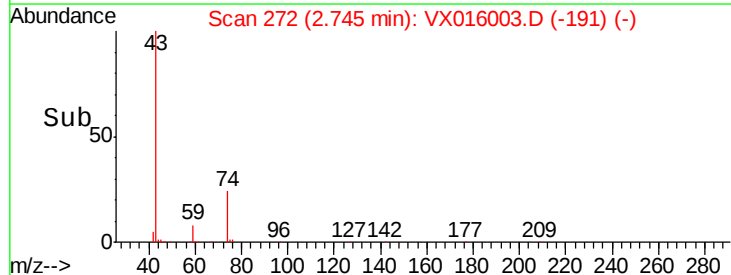
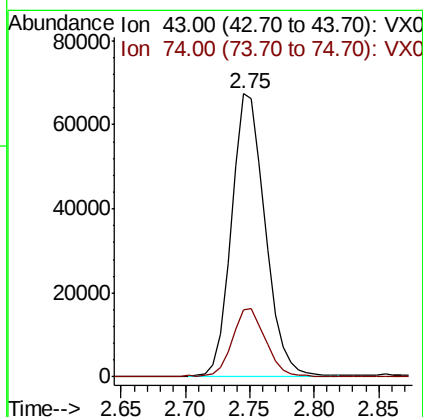
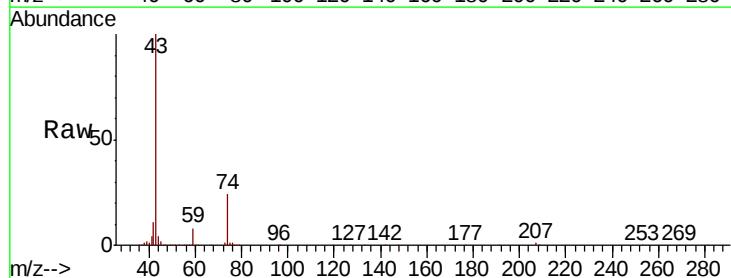
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

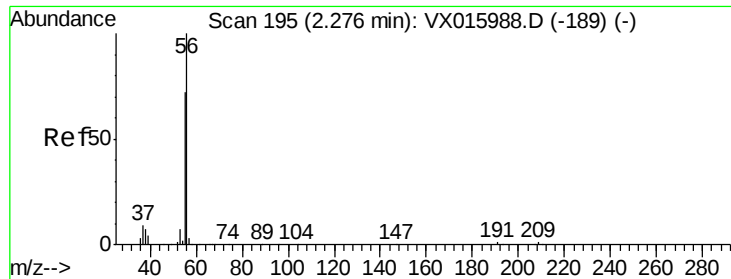
Tot Ion:142 Resp: 89609
Ion Ratio Lower Upper
142 100
127 44.1 22.8 68.4
141 13.5 7.0 21.1



#12
Methyl Acetate
Concen: 19.428 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion: 43 Resp: 122245
Ion Ratio Lower Upper
43 100
74 23.3 19.0 28.4





#13

Acrolein

Concen: 87.774 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

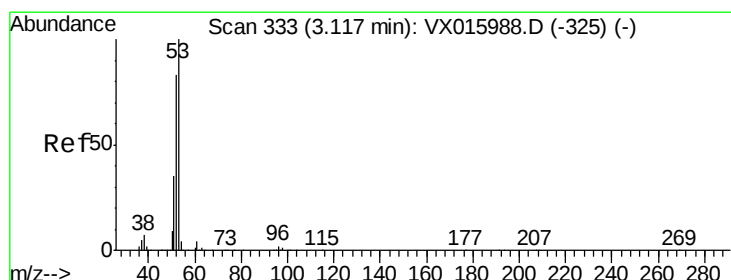
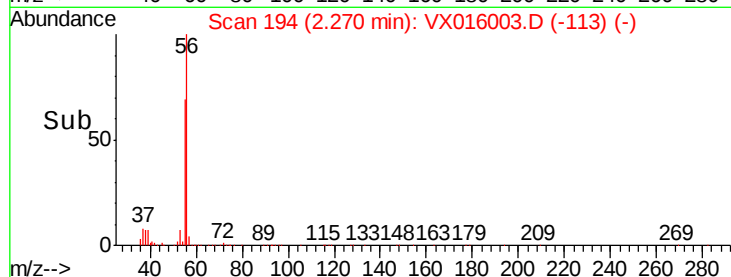
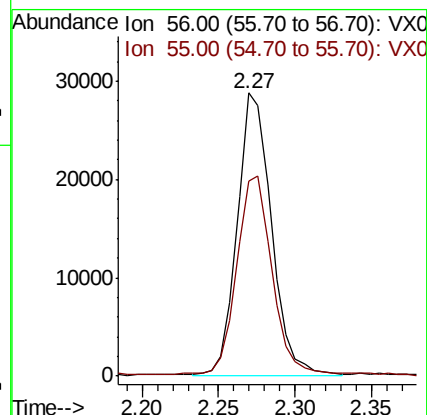
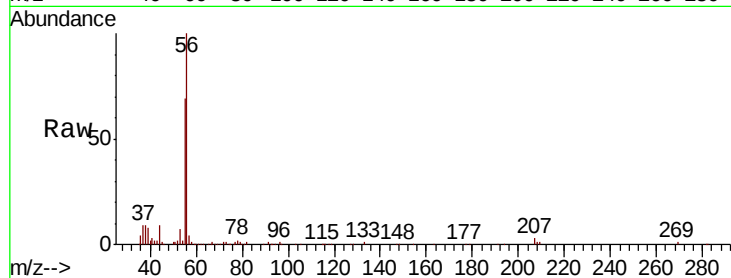
VSTDCCC020

Tot Ion: 56 Resp: 44276

Ion Ratio Lower Upper

56 100

55 73.4 56.2 84.4



#14

Acrylonitrile

Concen: 93.716 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

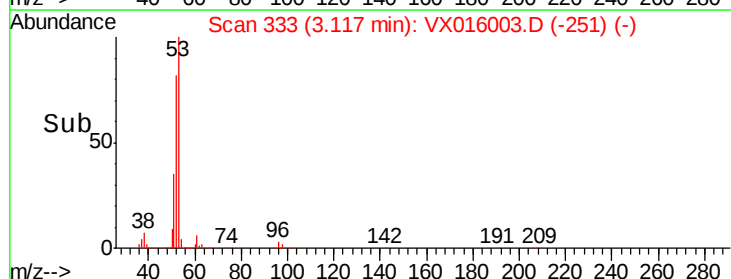
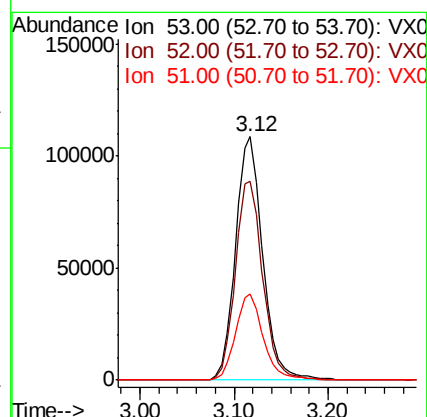
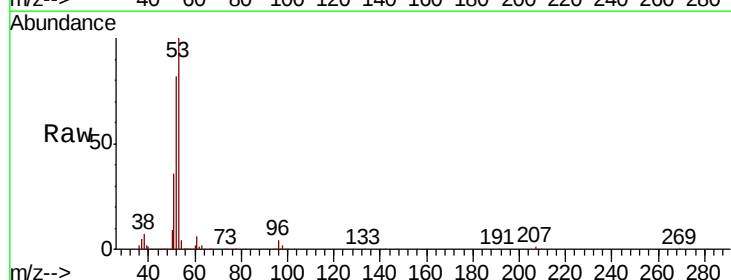
Tgt Ion: 53 Resp: 217817

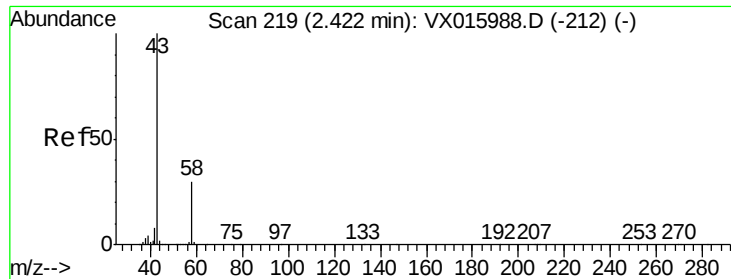
Ion Ratio Lower Upper

53 100

52 82.4 41.2 123.6

51 36.4 17.8 53.5





#15

Acetone

Concen: 90.463 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

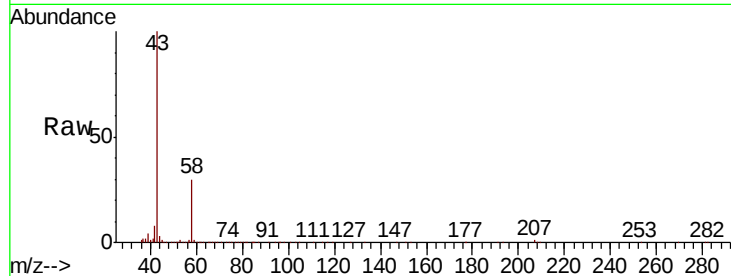
VSTDCCC020

Tot Ion: 58 Resp: 55644

Ion Ratio Lower Upper

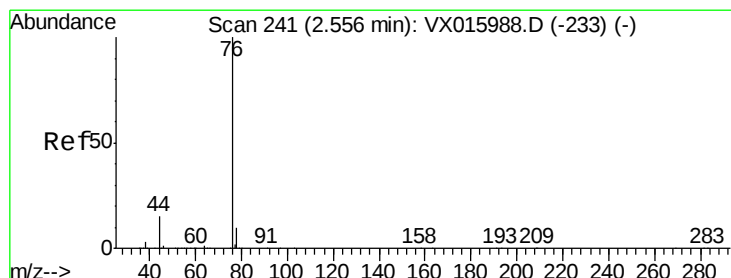
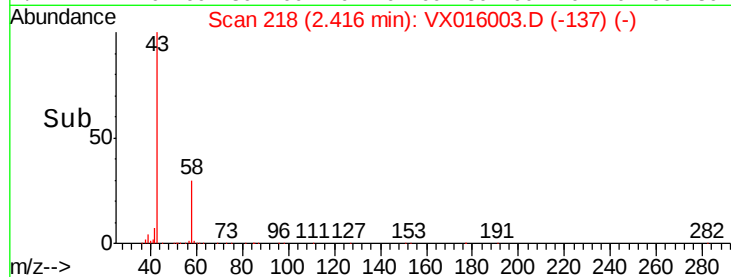
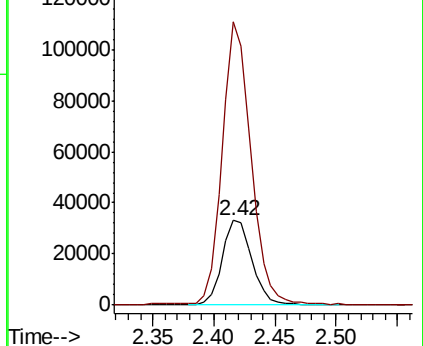
58 100

43 334.0 264.2 396.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.576 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX016003.D

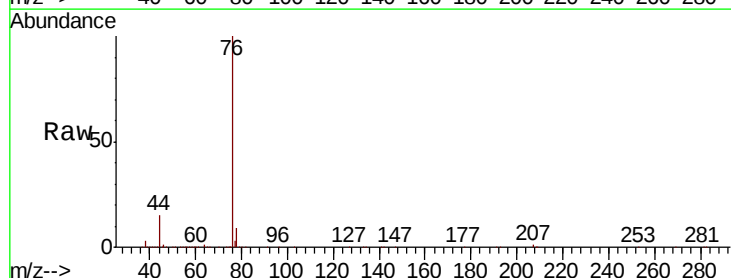
Acq: 01 May 2020 11:13

Tgt Ion: 76 Resp: 203664

Ion Ratio Lower Upper

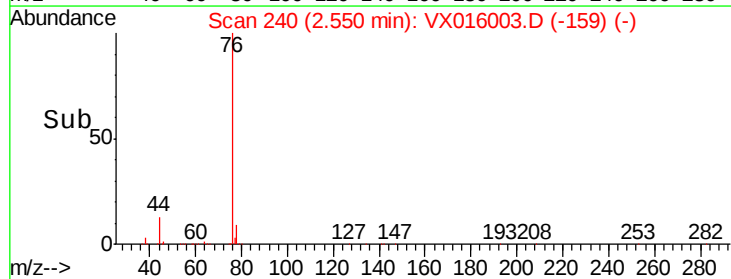
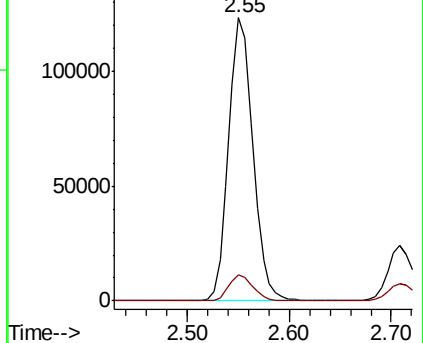
76 100

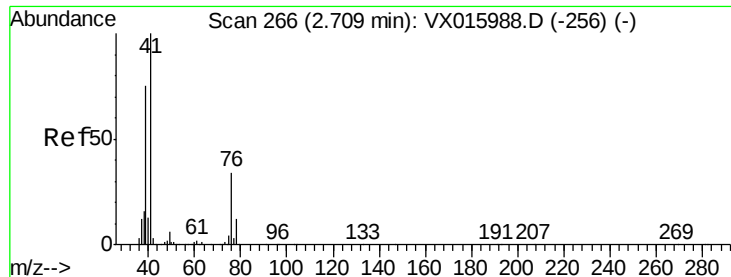
78 9.1 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

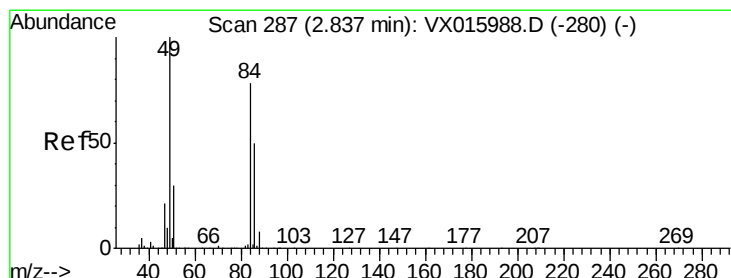
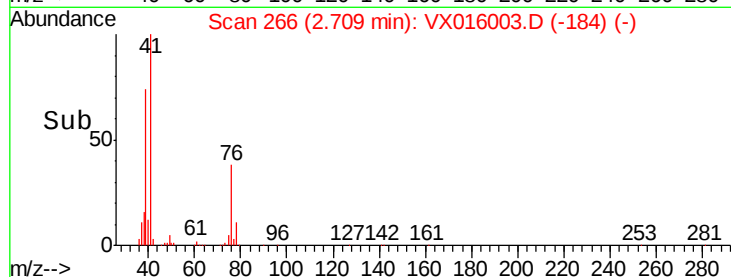
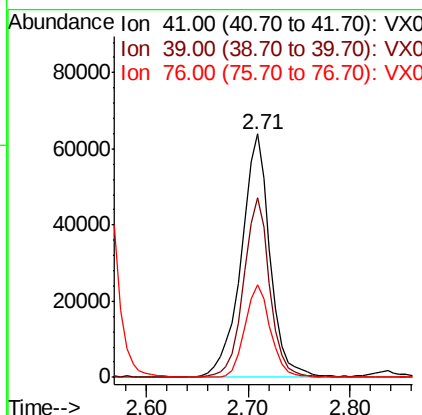
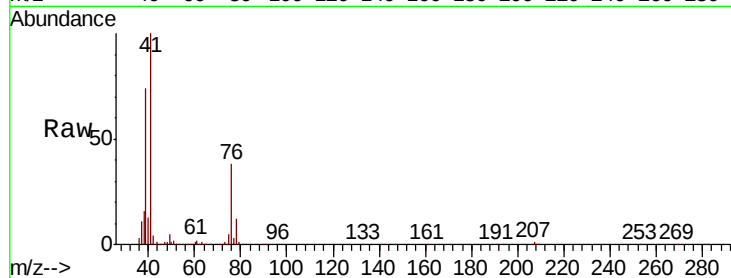




#17
Allvl chloride
Concen: 18.590 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

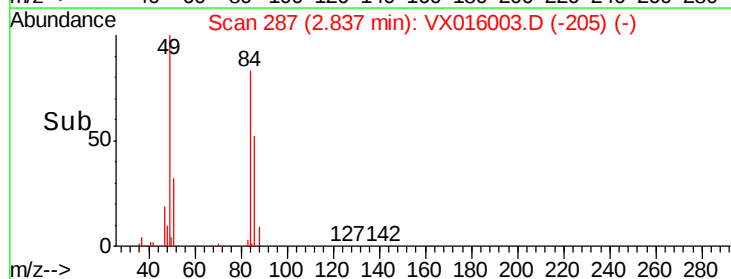
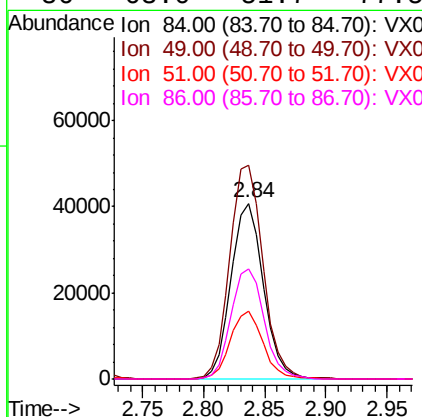
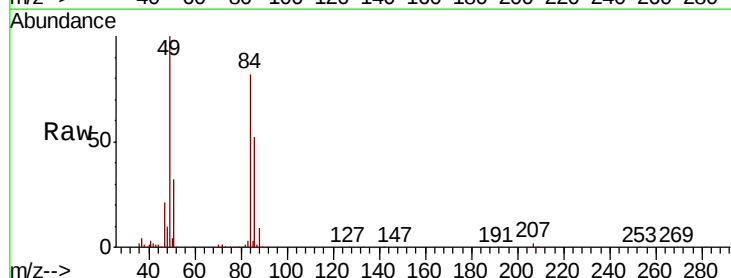
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

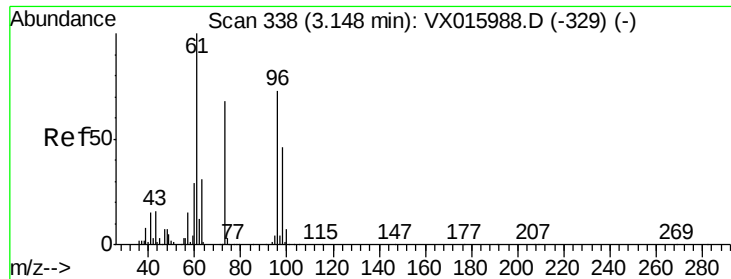
Tot Ion: 41 Resp: 124285
Ion Ratio Lower Upper
41 100
39 73.7 37.6 112.8
76 37.8 17.2 51.5



#18
Methylene Chloride
Concen: 18.604 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion: 84 Resp: 75109
Ion Ratio Lower Upper
84 100
49 121.4 103.0 154.4
51 38.5 31.4 47.0
86 63.0 51.7 77.5

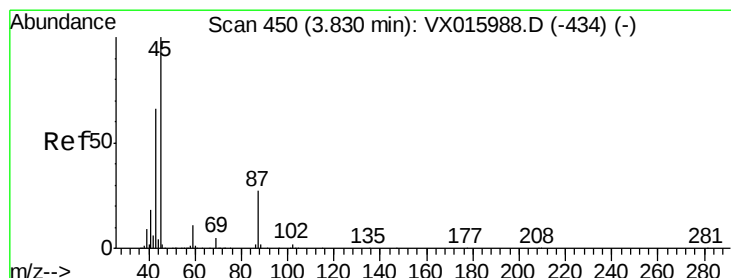
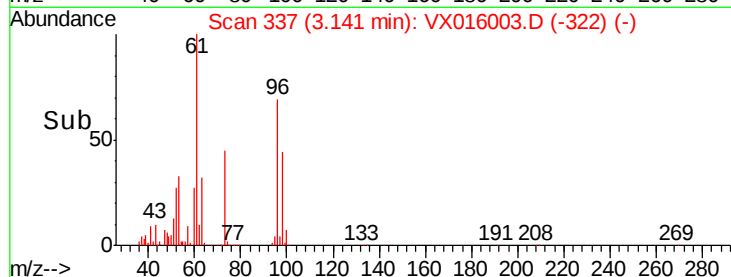
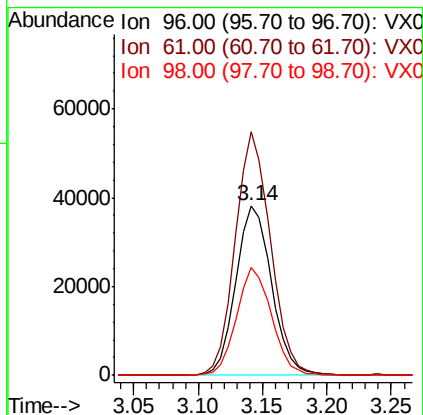
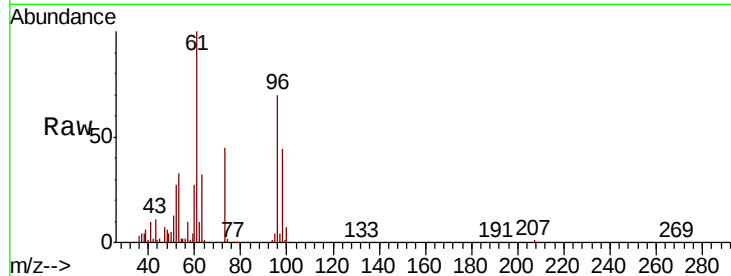




#19
trans-1,2-Dichloroethene
Concen: 18.460 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

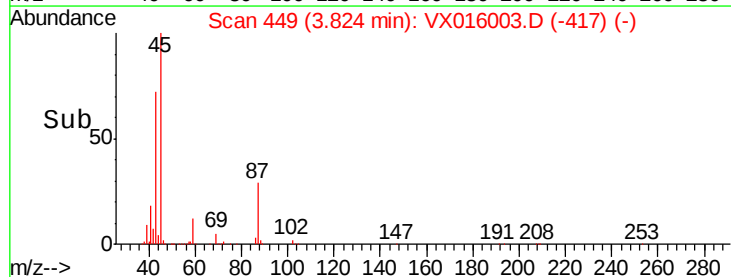
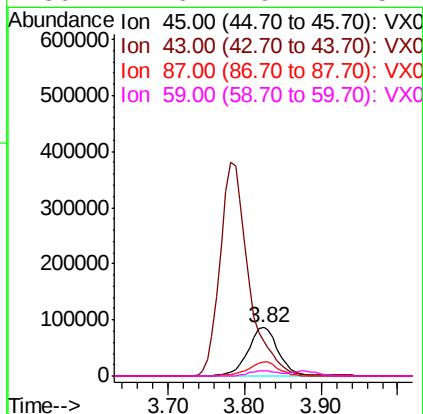
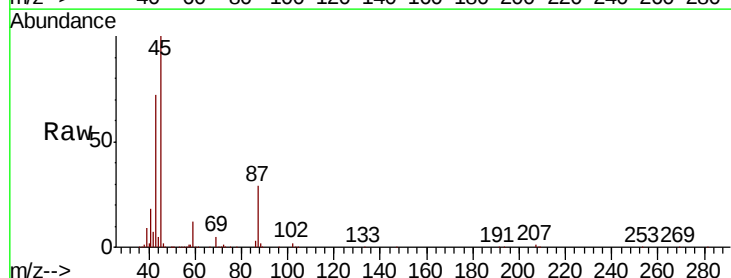
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

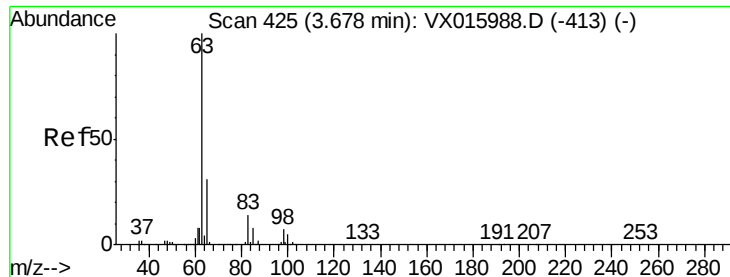
Tot Ion: 96 Resp: 72765
Ion Ratio Lower Upper
96 100
61 144.0 109.0 163.4
98 63.9 50.0 75.0



#20
Diisopropyl ether
Concen: 18.470 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion: 45 Resp: 238081
Ion Ratio Lower Upper
45 100
43 71.5 53.0 79.4
87 29.0 21.9 32.9
59 11.6 9.1 13.7





#21

1,1-Dichloroethane

Concen: 18.502 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

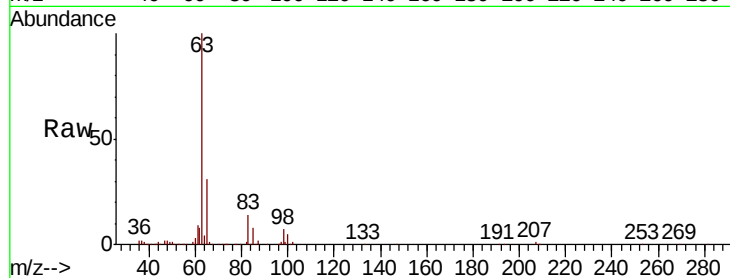
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

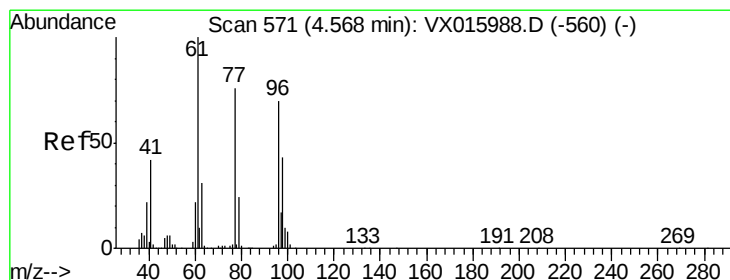
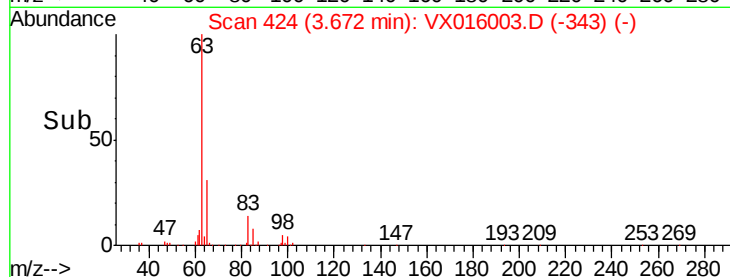
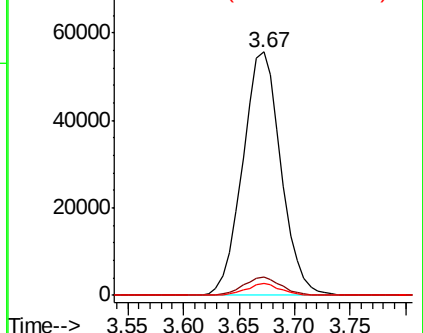
Tot Ion:	63	Resp:	132987
Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.4
100	4.7	2.3	6.9



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 18.333 ug/l

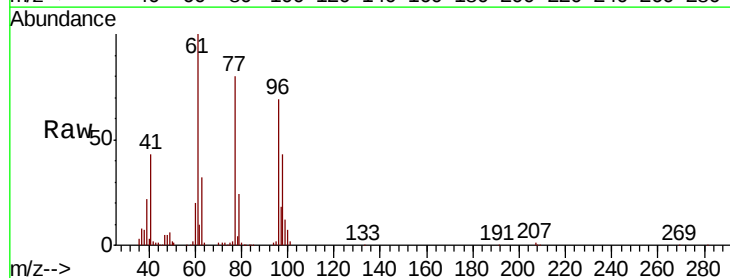
RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

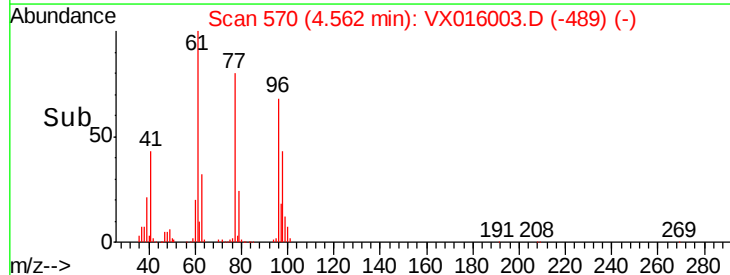
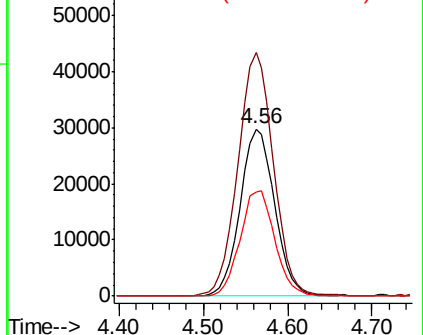
Tgt Ion:	96	Resp:	82008
Ion	Ratio	Lower	Upper
96	100		
61	150.5	121.6	182.4
98	63.9	51.9	77.9

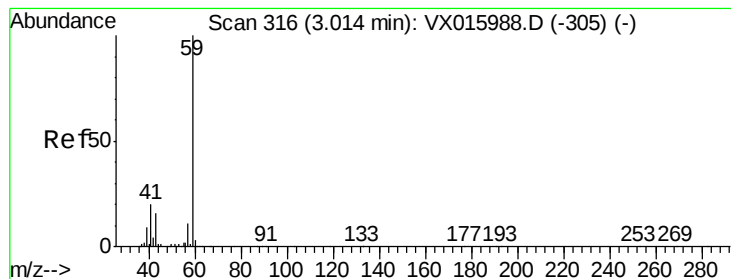


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 94.379 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

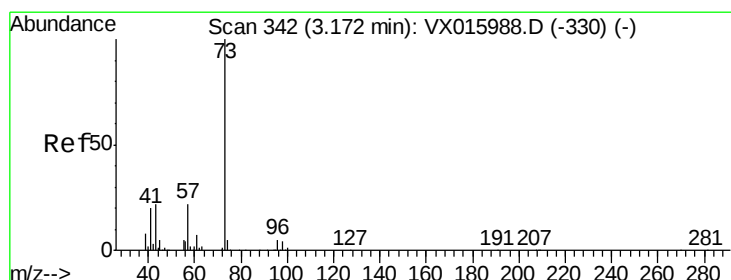
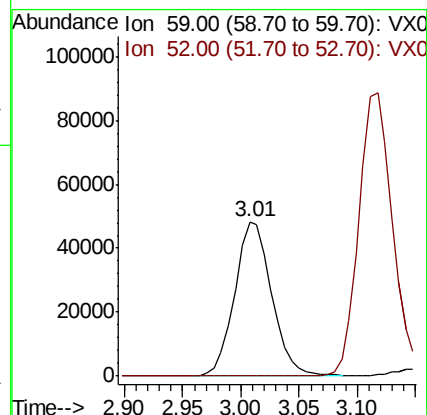
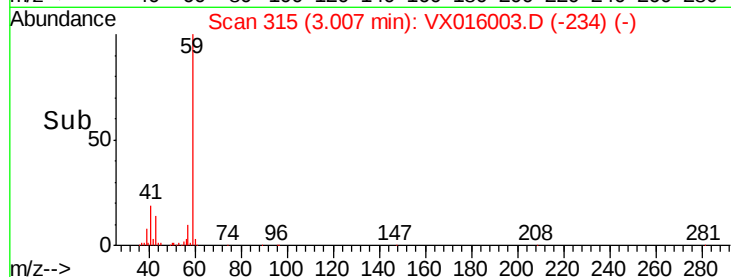
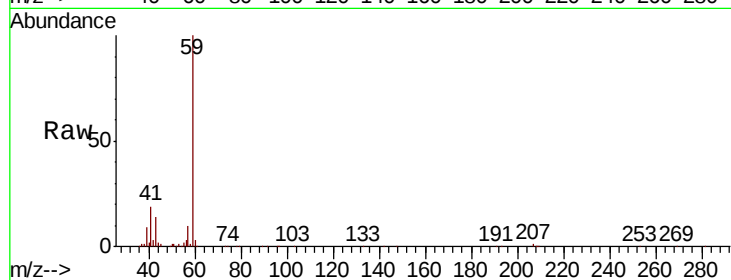
VSTDCCC020

Tot Ion: 59 Resp: 107378

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 18.532 ug/l

RT: 3.17 min Scan# 341

Delta R.T. -0.01 min

Lab File: VX016003.D

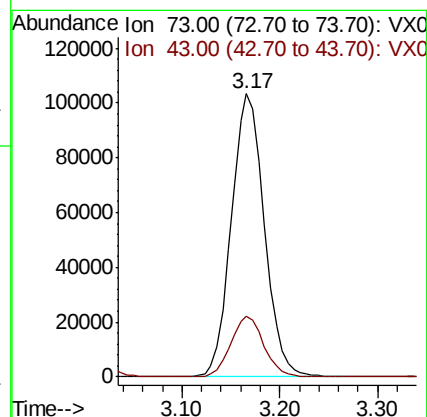
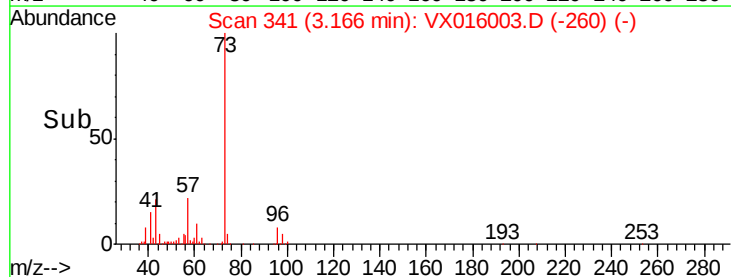
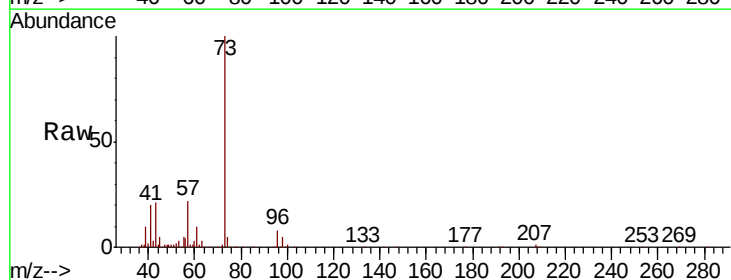
Acq: 01 May 2020 11:13

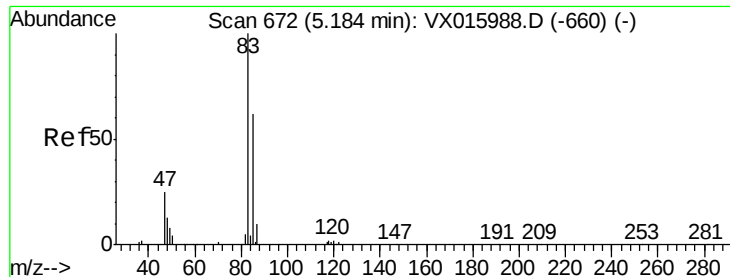
Tgt Ion: 73 Resp: 239843

Ion Ratio Lower Upper

73 100

43 21.4 17.8 26.6





#25

Chloroform

Concen: 18.226 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

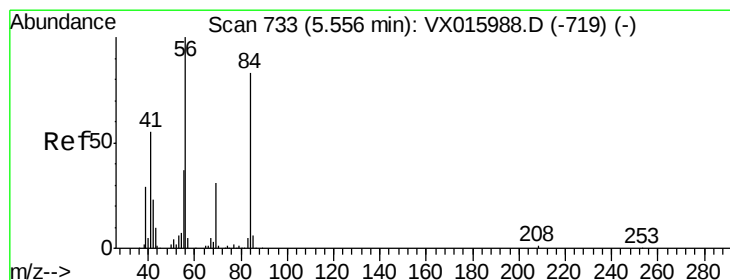
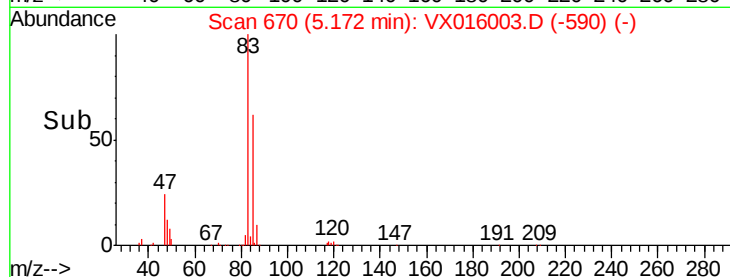
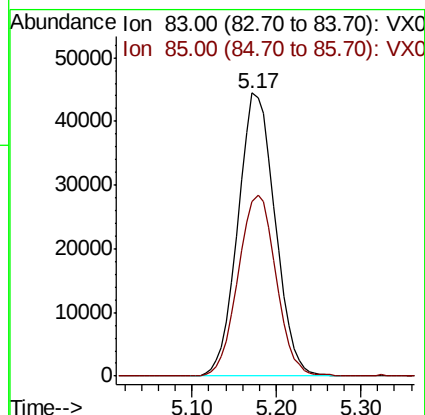
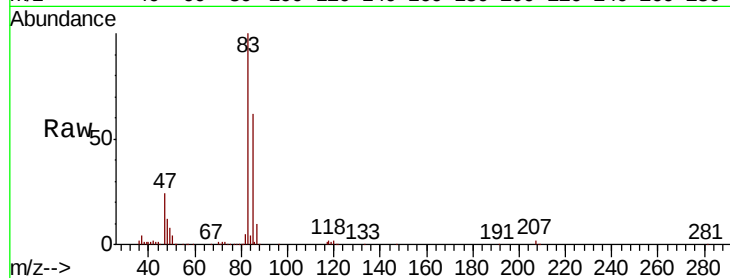
VSTDCCC020

Tot Ion: 83 Resp: 133046

Ion Ratio Lower Upper

83 100

85 61.8 49.6 74.4



#26

Cyclohexane

Concen: 18.406 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

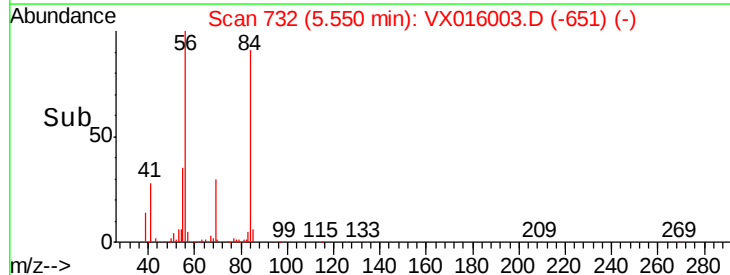
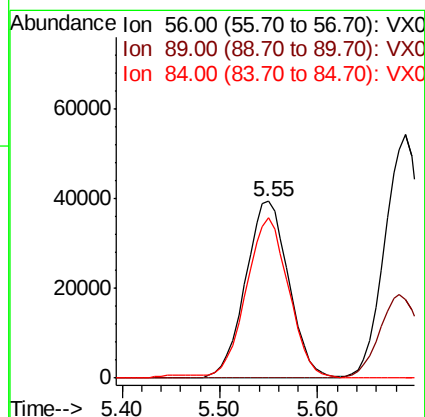
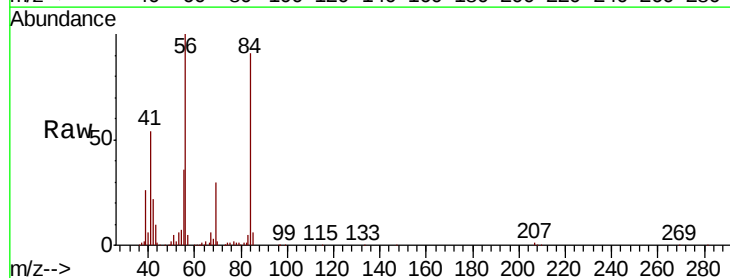
Tgt Ion: 56 Resp: 120976

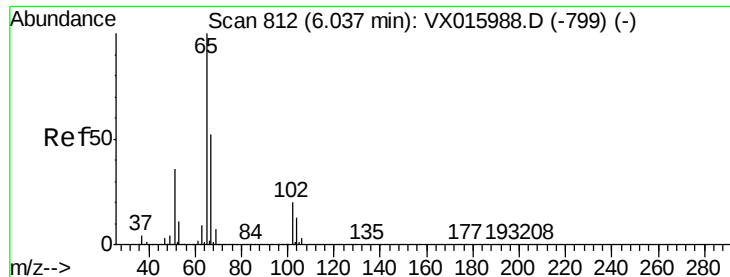
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 89.2 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 29.691 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

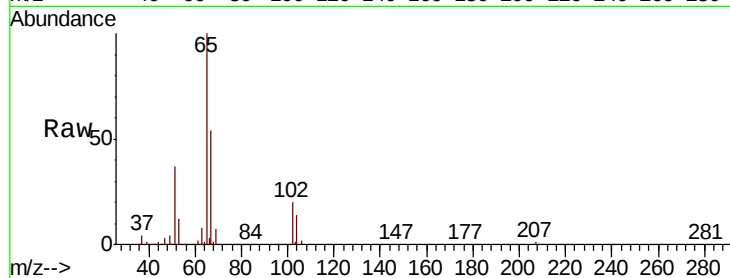
VSTDCCC020

Tot Ion: 65 Resp: 143717

Ion Ratio Lower Upper

65 100

67 52.0 41.0 61.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.03

60000

50000

40000

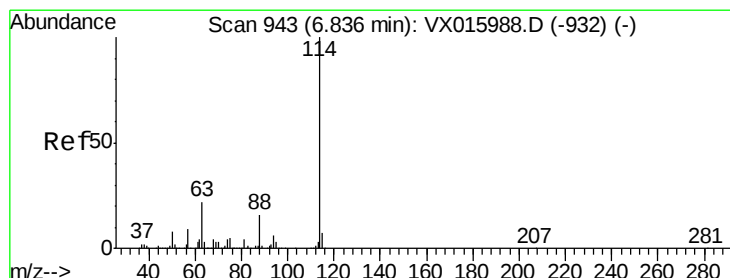
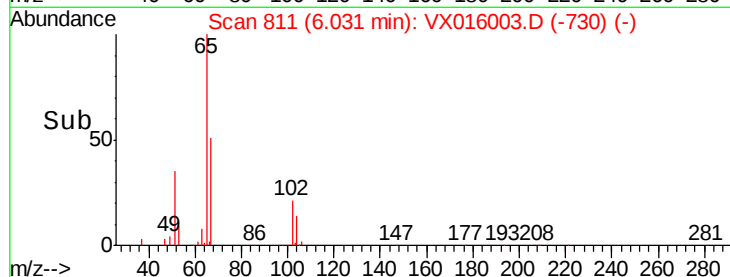
30000

20000

10000

0

Time--> 5.90 6.00 6.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

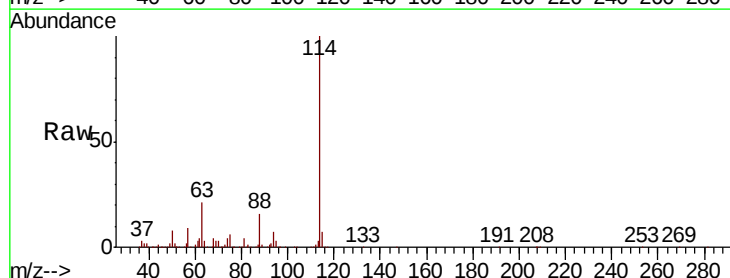
Tgt Ion: 114 Resp: 353004

Ion Ratio Lower Upper

114 100

63 21.0 17.1 25.7

88 15.9 13.0 19.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

200000

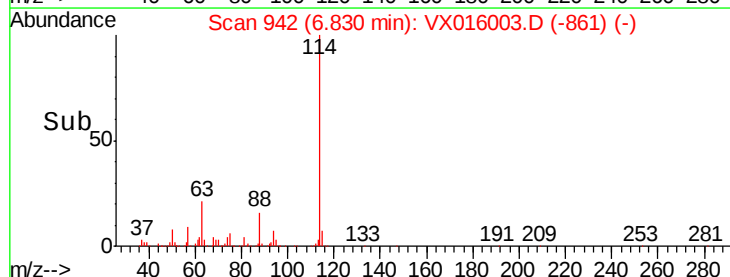
150000

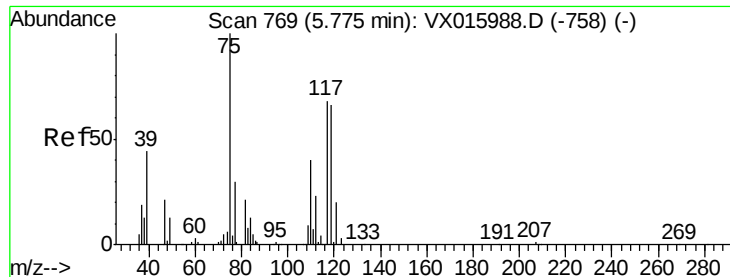
100000

50000

0

Time--> 6.70 6.80 6.90





#29

1,1-Dichloropropene

Concen: 18.073 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

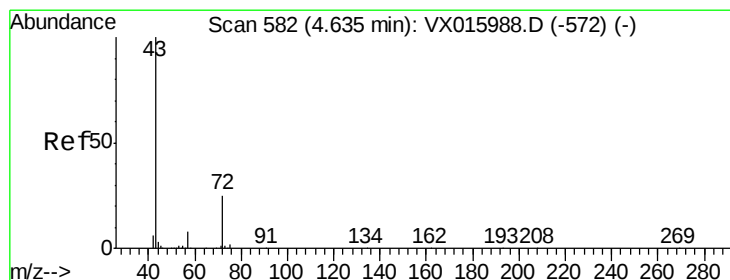
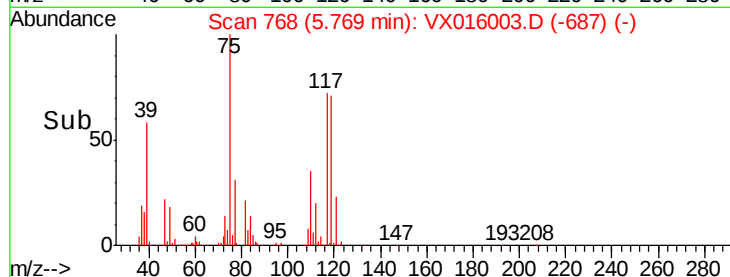
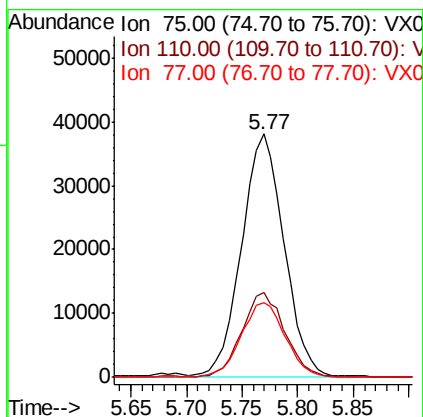
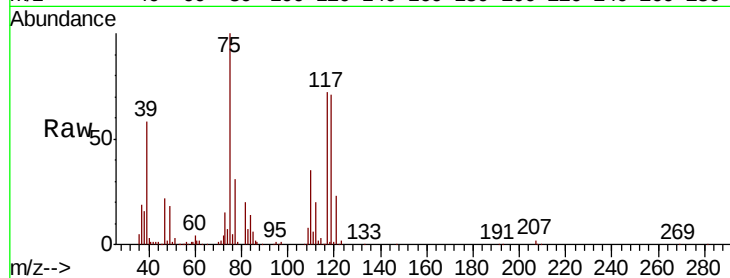
Tot Ion: 75 Resp: 100342

Ion Ratio Lower Upper

75 100

110 35.5 0.0 71.0

77 31.8 0.0 64.2



#30

2-Butanone

Concen: 89.041 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

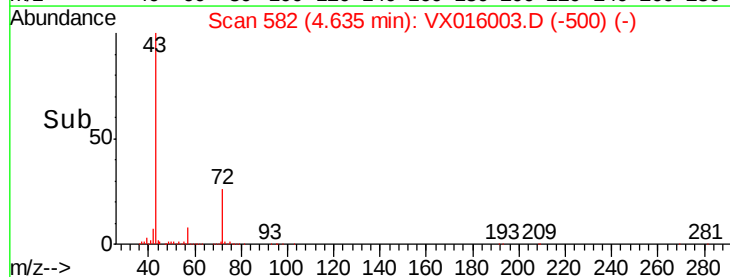
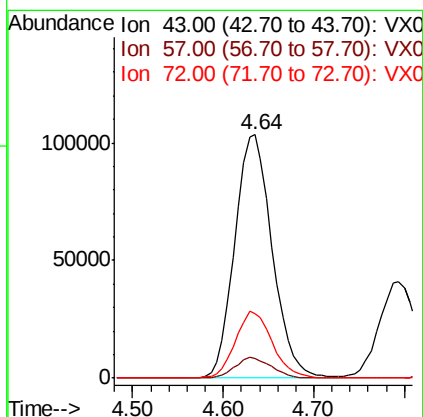
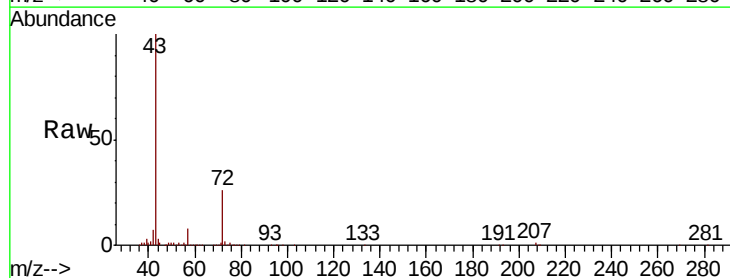
Tgt Ion: 43 Resp: 294565

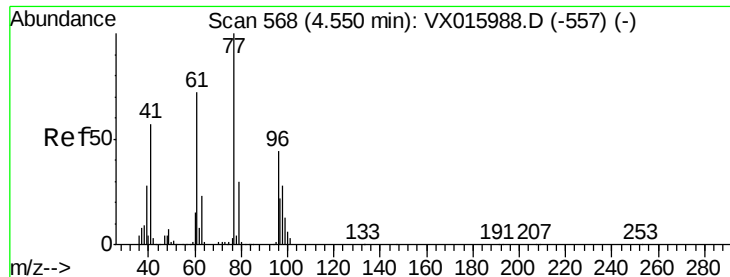
Ion Ratio Lower Upper

43 100

57 8.4 6.3 9.5

72 27.0 20.8 31.2

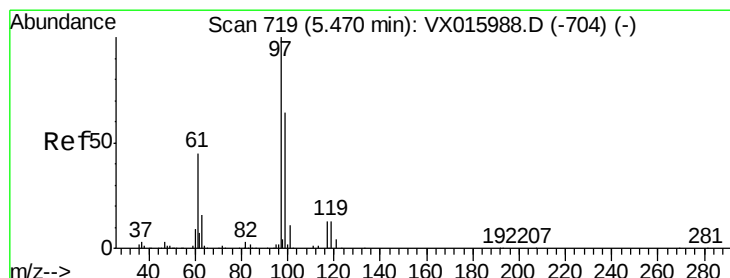
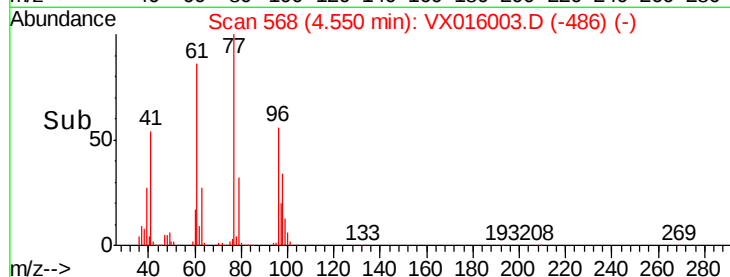
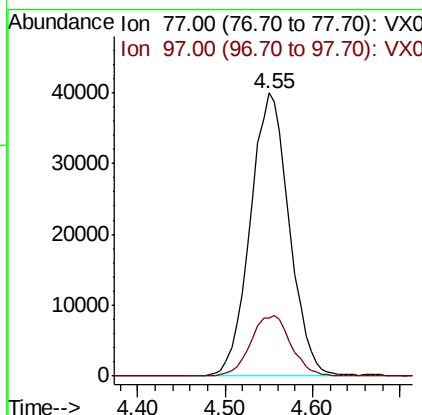
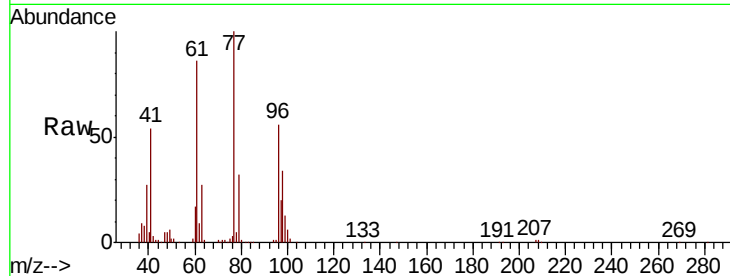




#31
 2,2-Dichloropropane
 Concen: 18.522 ug/l
 RT: 4.55 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

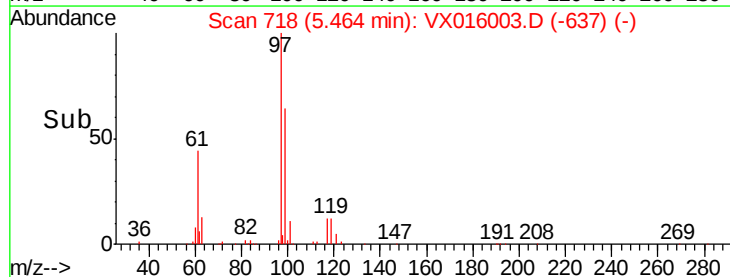
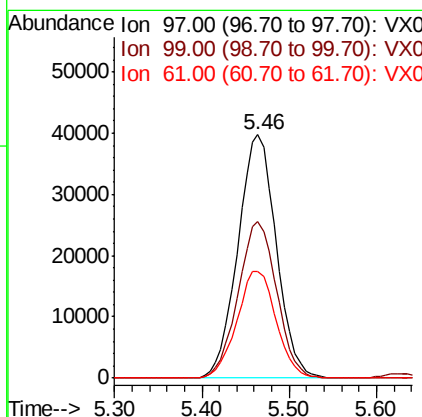
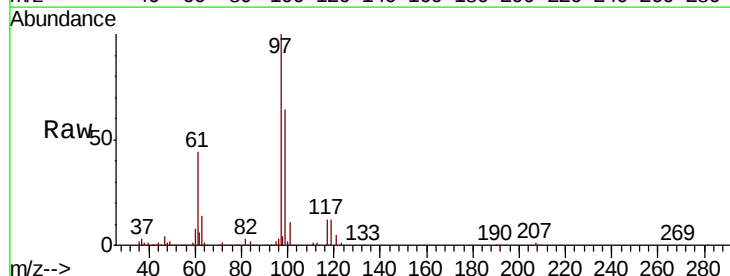
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

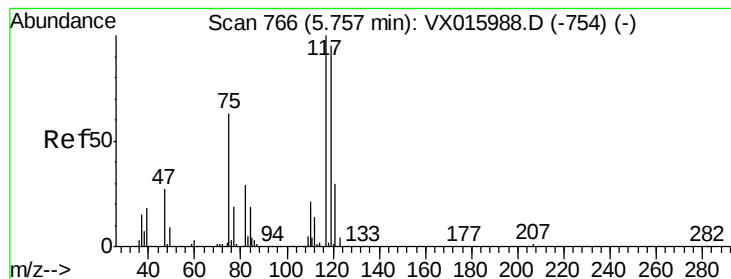
Tot Ion: 77 Resp: 123757
 Ion Ratio Lower Upper
 77 100
 97 22.2 17.8 26.8



#32
 1,1,1-Trichloroethane
 Concen: 18.048 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion: 97 Resp: 121549
 Ion Ratio Lower Upper
 97 100
 99 64.4 50.7 76.1
 61 44.9 35.9 53.9





#33

Carbon Tetrachloride

Concen: 18.093 ug/l

RT: 5.75 min Scan# 765

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

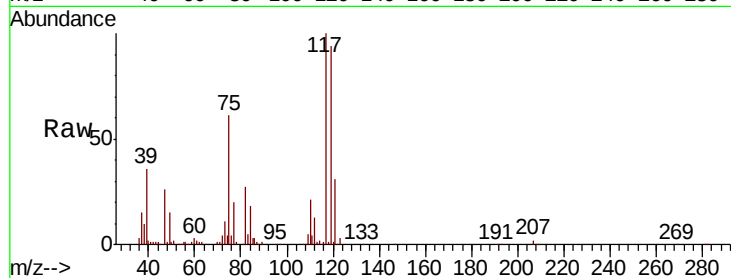
Tot Ion:117 Resp: 108500

Ion Ratio Lower Upper

117 100

119 94.2 76.3 114.5

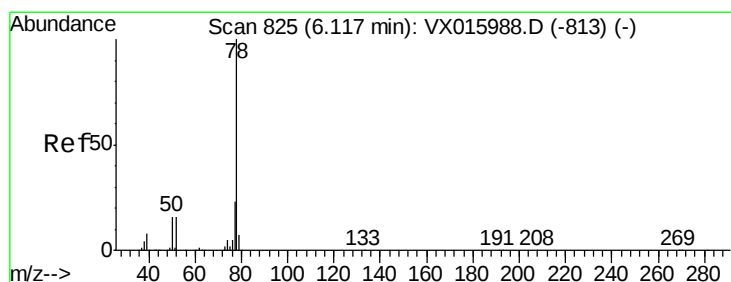
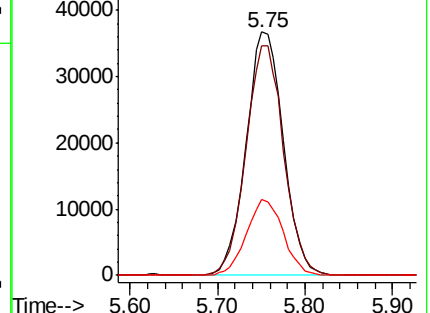
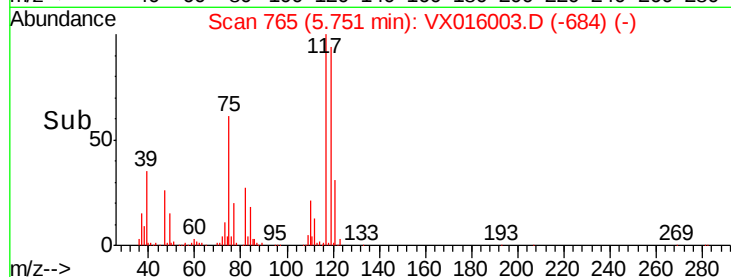
121 31.0 24.2 36.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 18.405 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

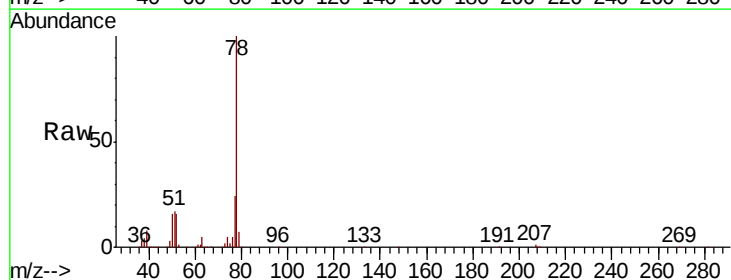
Tgt Ion: 78 Resp: 298470

Ion Ratio Lower Upper

78 100

77 23.5 18.7 28.1

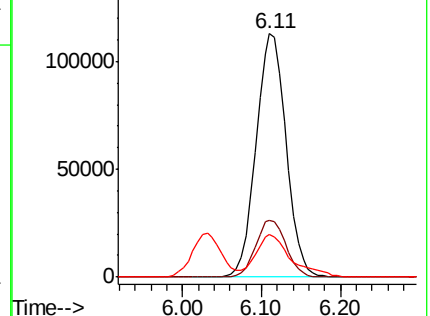
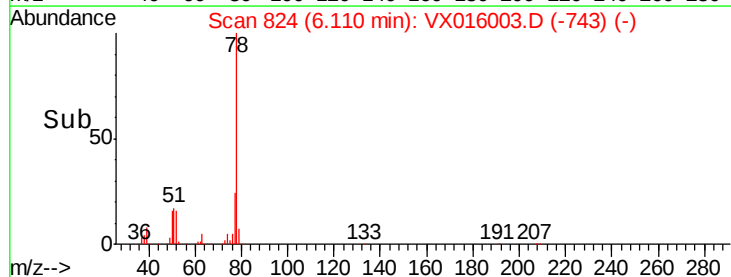
51 17.2 12.7 19.1

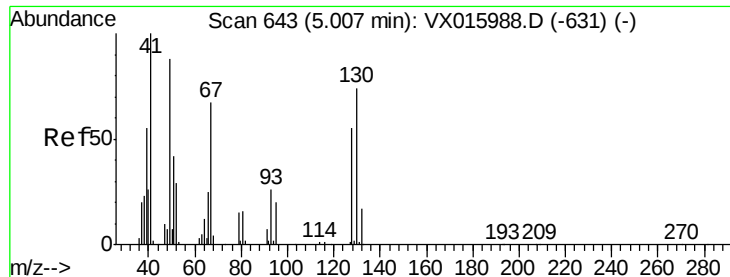


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

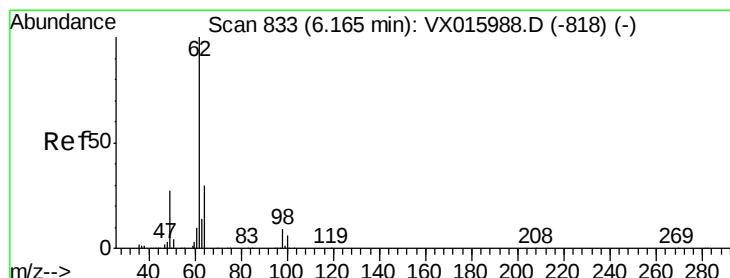
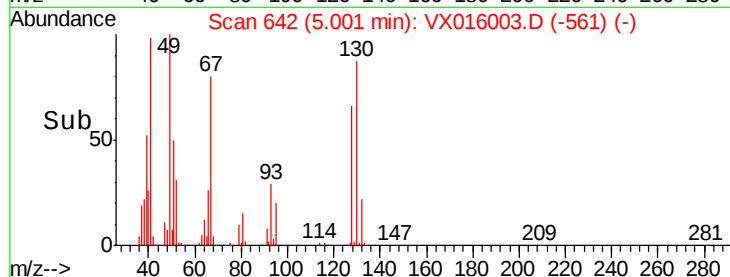
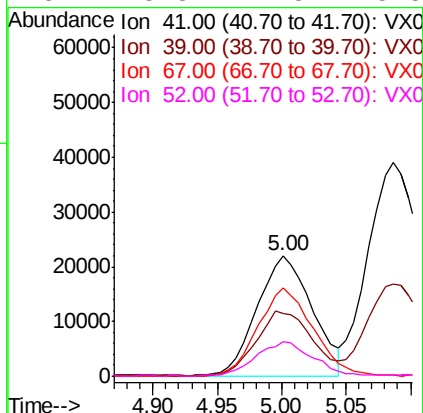
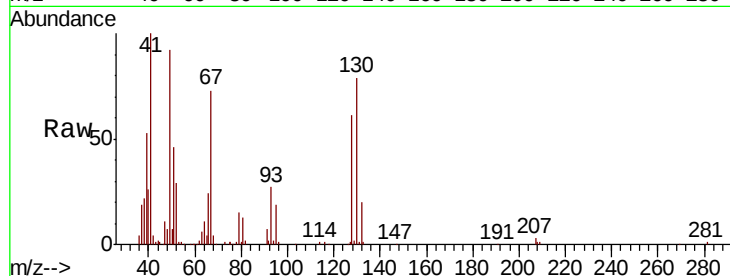




#35
Methacrylonitrile
Concen: 18.489 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

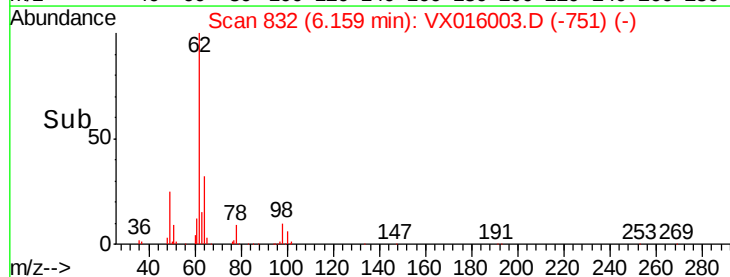
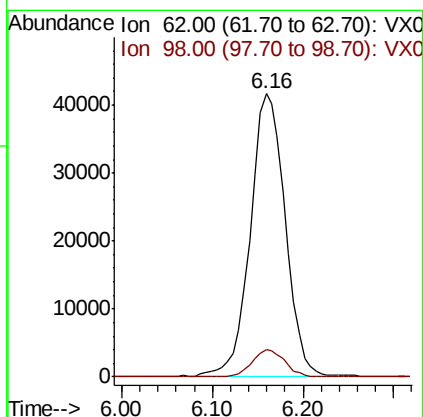
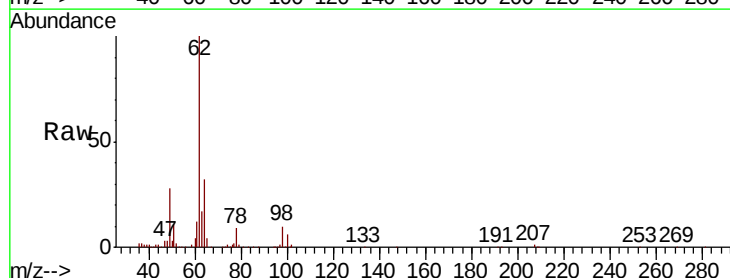
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

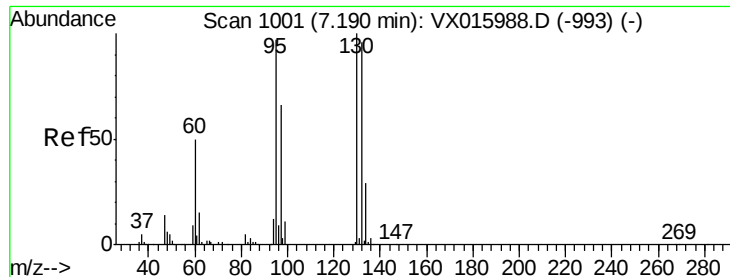
Tot Ion:	41	Resp:	64957
Ion	Ratio	Lower	Upper
41	100		
39	52.4	27.5	82.4
67	73.4	33.6	100.6
52	28.3	14.5	43.5



#36
1,2-Dichloroethane
Concen: 17.926 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion:	62	Resp:	111016
Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.4	11.2

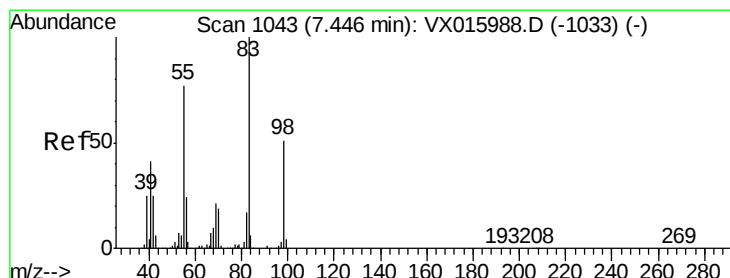
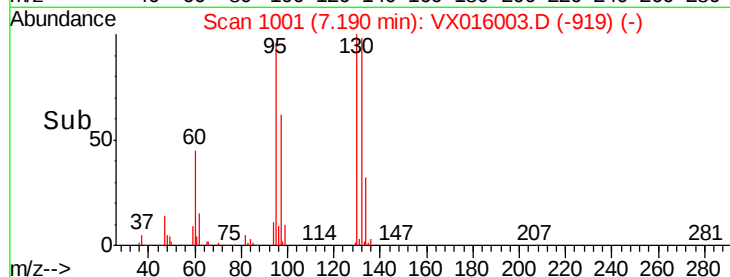
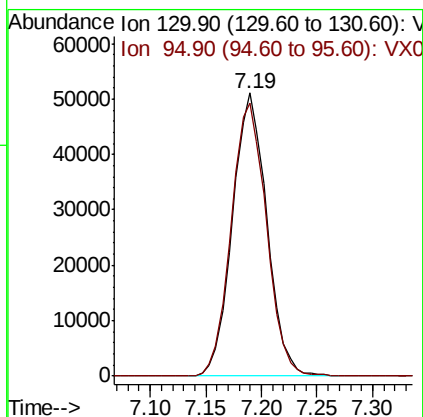
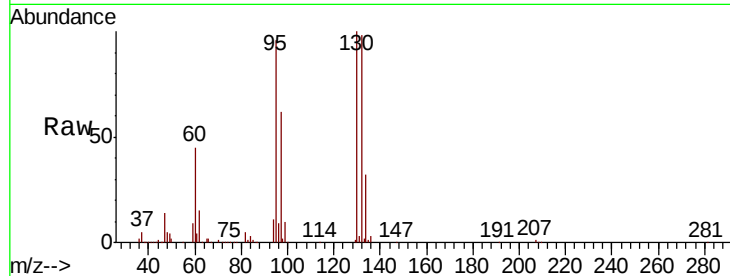




#37
 Trichloroethene
 Concen: 18.992 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

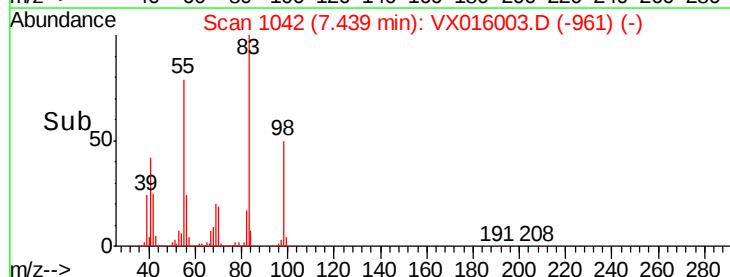
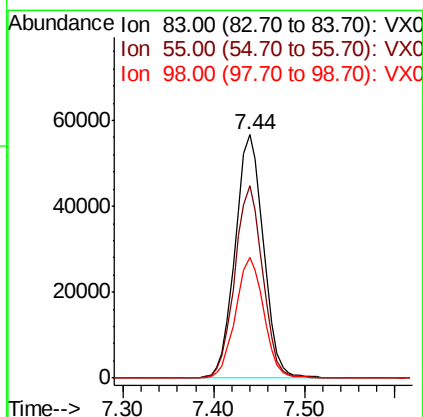
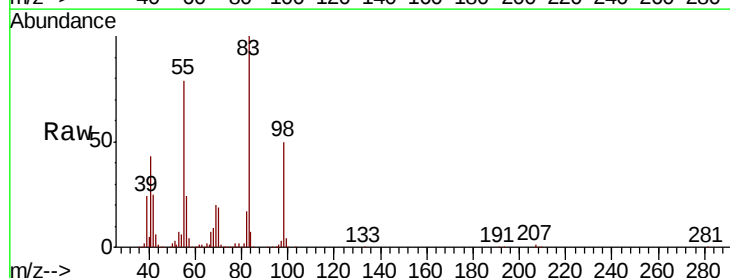
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

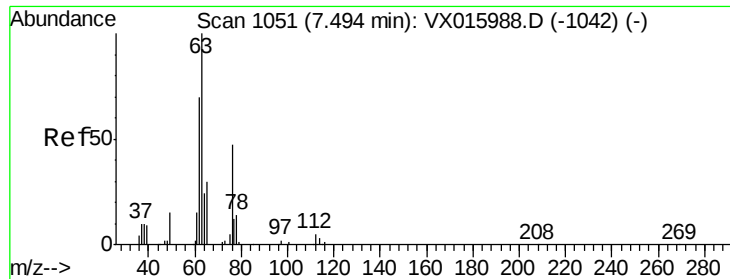
Tot Ion:130 Resp: 109562
 Ion Ratio Lower Upper
 130 100
 95 96.3 77.8 116.8



#38
 Methylcyclohexane
 Concen: 18.139 ug/l
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion: 83 Resp: 123072
 Ion Ratio Lower Upper
 83 100
 55 78.0 38.8 116.4
 98 49.5 25.1 75.3





#39

1,2-Dichloropropane

Concen: 17.997 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

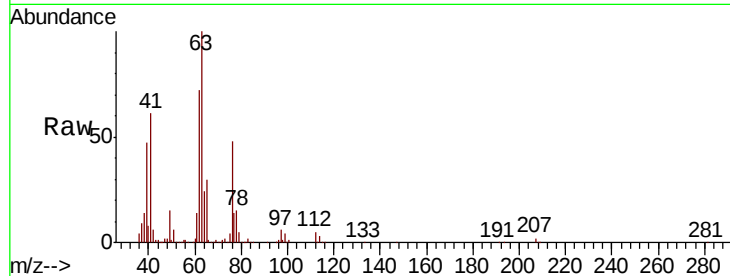
VSTDCCC020

Tot Ion: 63 Resp: 74917

Ion Ratio Lower Upper

63 100

65 30.1 25.9 38.9



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

7.49

40000

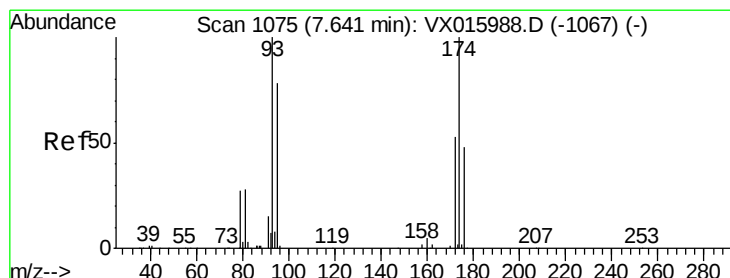
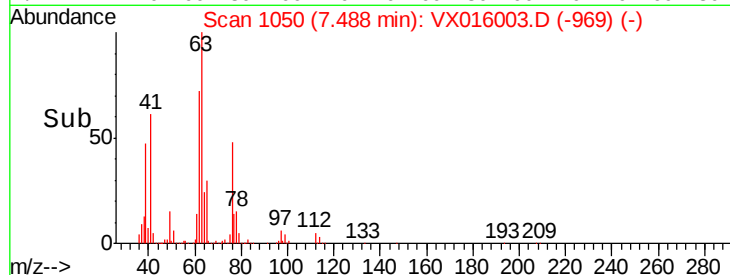
30000

20000

10000

0

Time-->



#40

Dibromomethane

Concen: 17.905 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

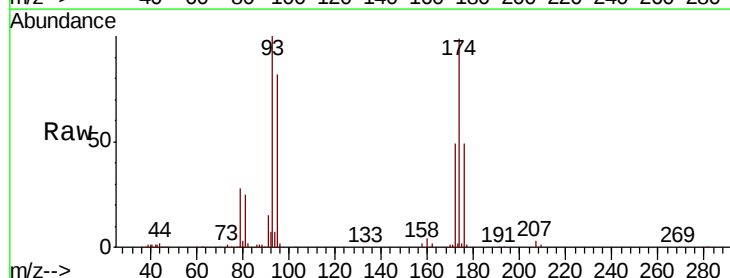
Tgt Ion: 93 Resp: 51755

Ion Ratio Lower Upper

93 100

95 82.2 0.0 162.8

174 103.3 0.0 204.0



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

7.64

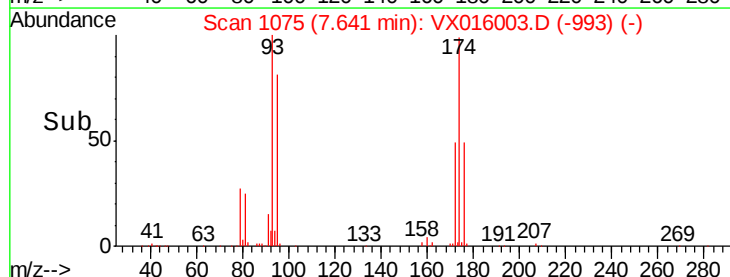
30000

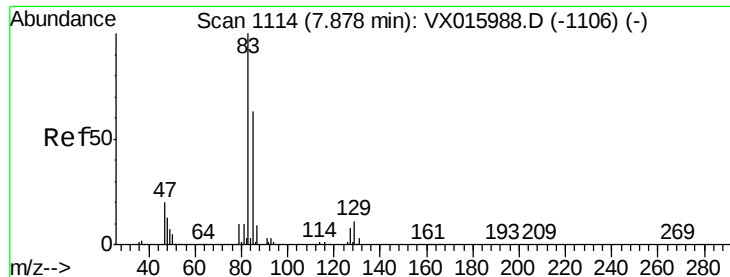
20000

10000

0

Time-->





#41

Bromodichloromethane

Concen: 17.993 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

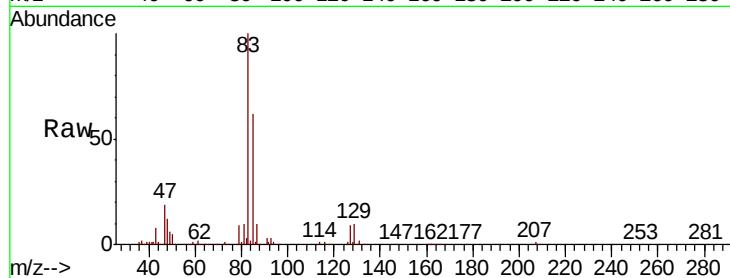
Tot Ion: 83 Resp: 107219

Ion Ratio Lower Upper

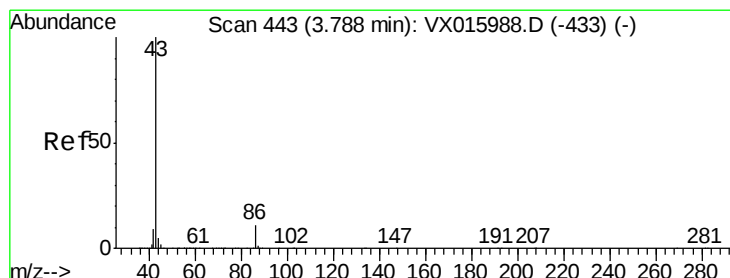
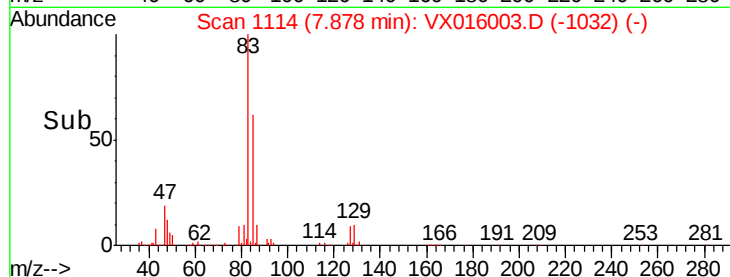
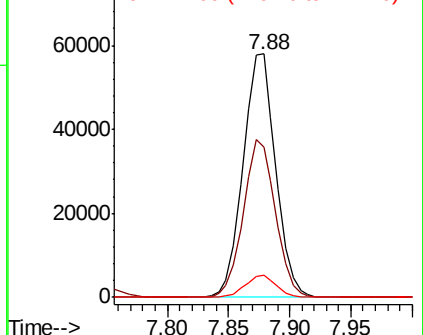
83 100

85 61.7 50.4 75.6

127 9.4 6.7 10.1



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: 90.352 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016003.D

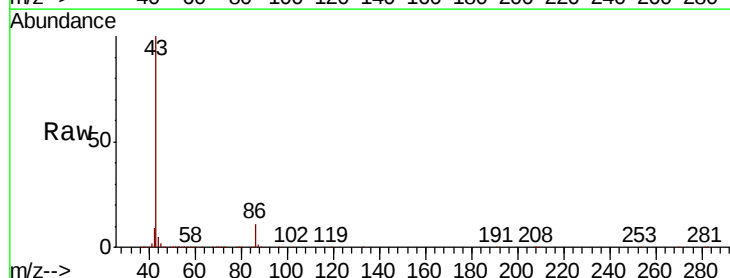
Acq: 01 May 2020 11:13

Tgt Ion: 43 Resp: 988878

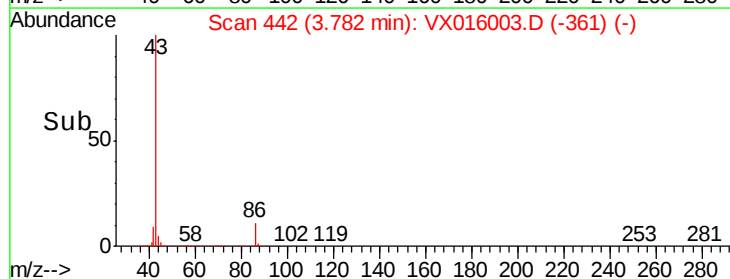
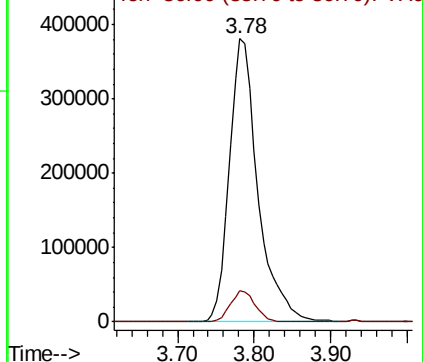
Ion Ratio Lower Upper

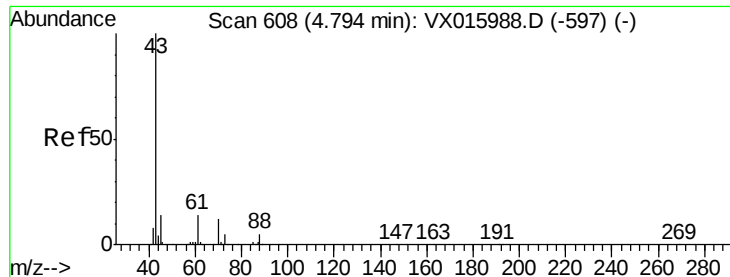
43 100

86 9.6 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

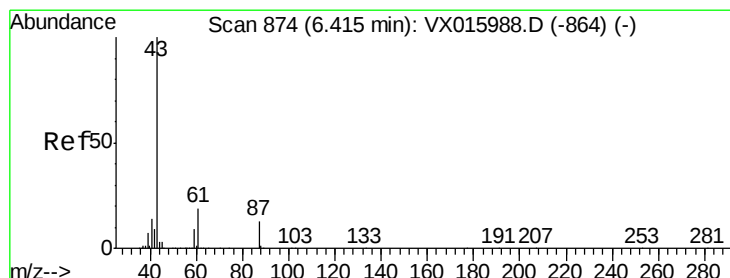
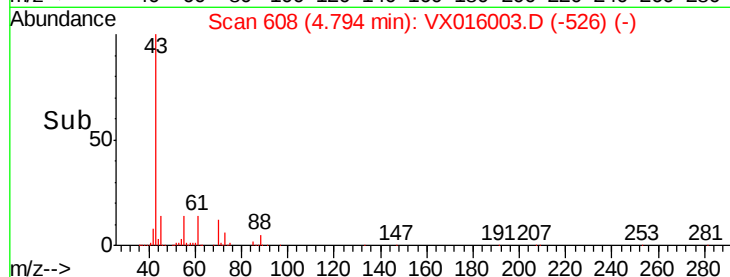
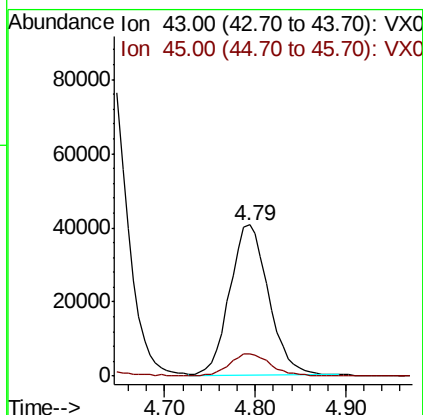
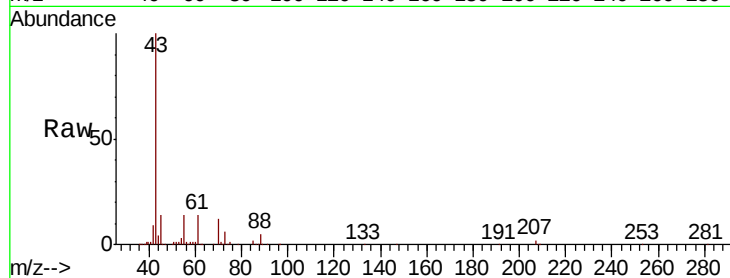




#43
Ethyl Acetate
Concen: 18.391 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

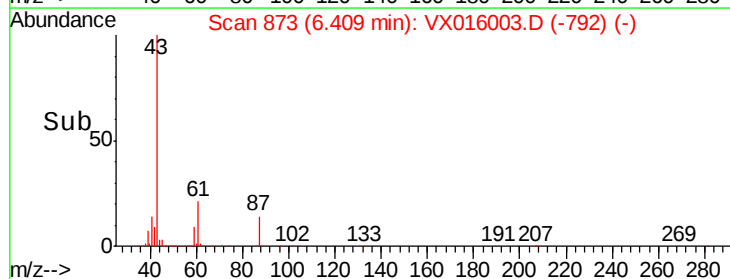
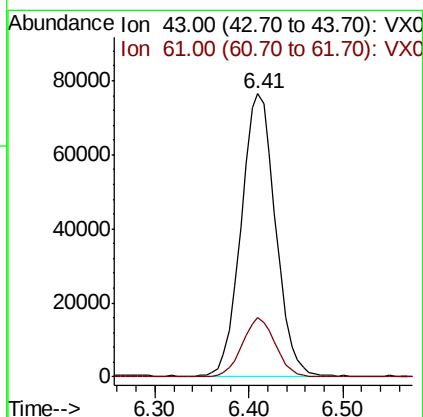
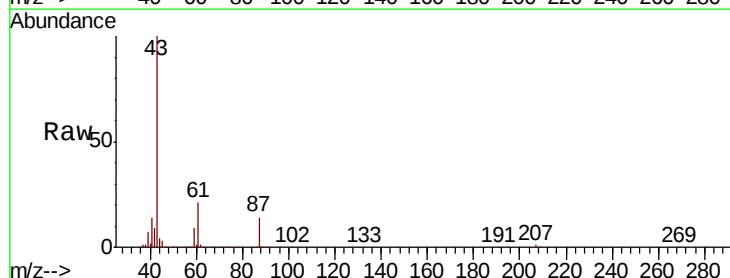
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

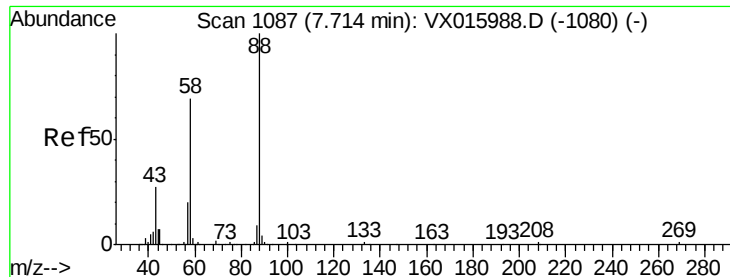
Tot Ion: 43 Resp: 120014
Ion Ratio Lower Upper
43 100
45 14.9 11.9 17.9



#44
Isopropyl Acetate
Concen: 18.309 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion: 43 Resp: 193884
Ion Ratio Lower Upper
43 100
61 20.4 16.1 24.1





#45

1,4-Dioxane

Concen: 368.118 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

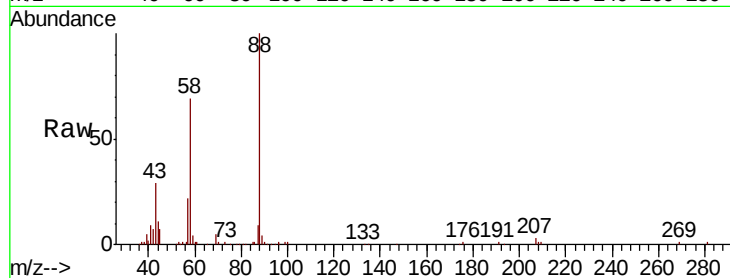
Tot Ion: 88 Resp: 41177

Ion Ratio Lower Upper

88 100

43 33.5 26.3 39.5

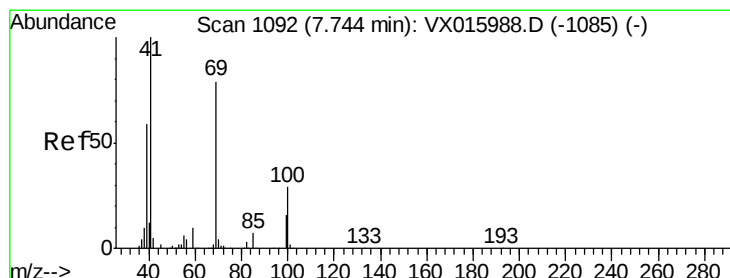
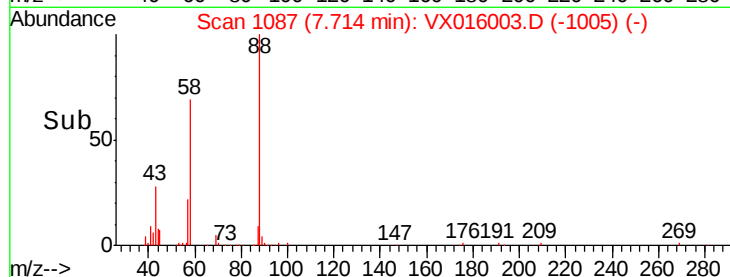
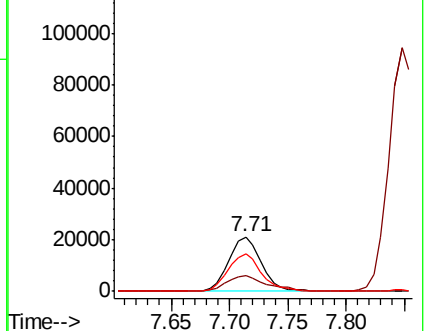
58 69.8 57.0 85.6



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: 18.043 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

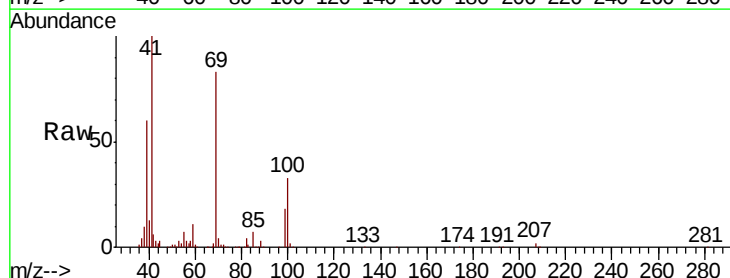
Tgt Ion: 41 Resp: 90582

Ion Ratio Lower Upper

41 100

69 83.1 39.5 118.5

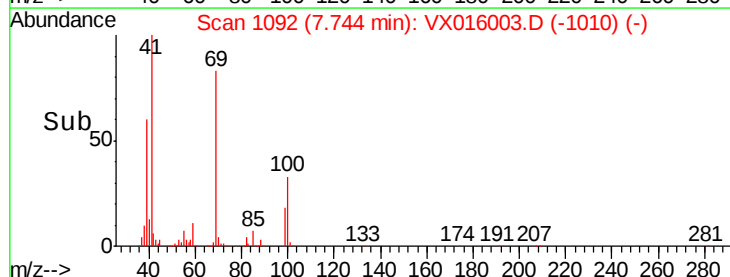
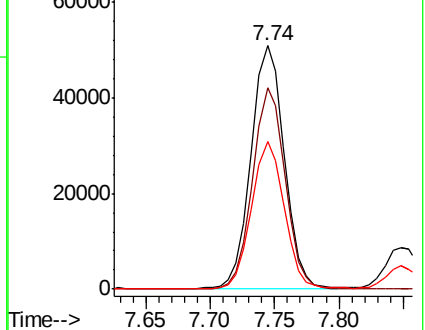
39 60.4 29.6 88.9

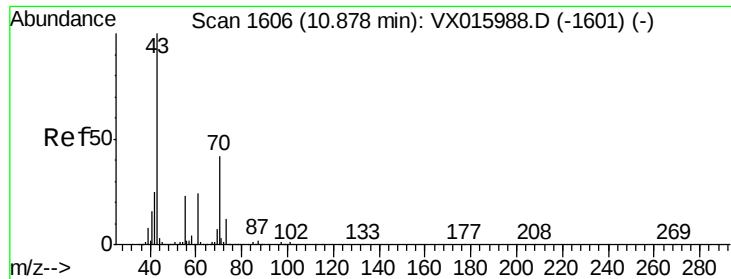


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 17.556 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

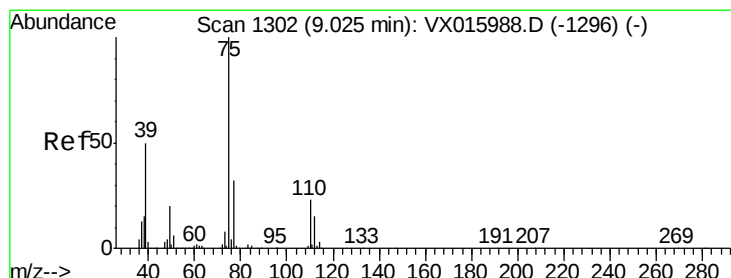
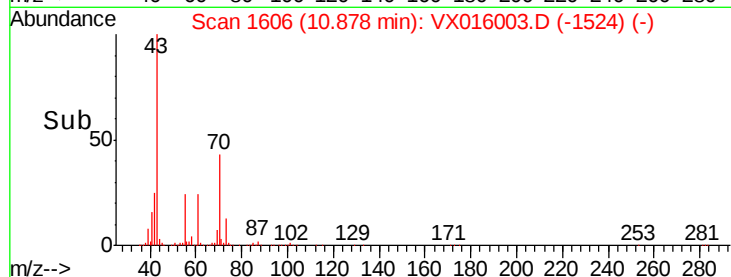
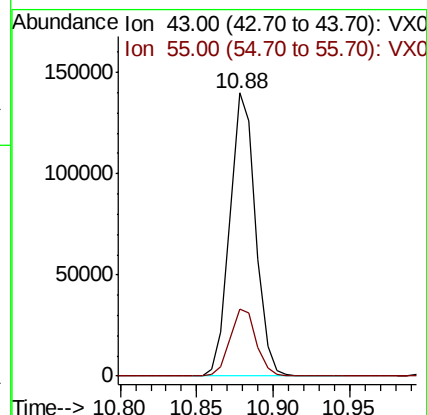
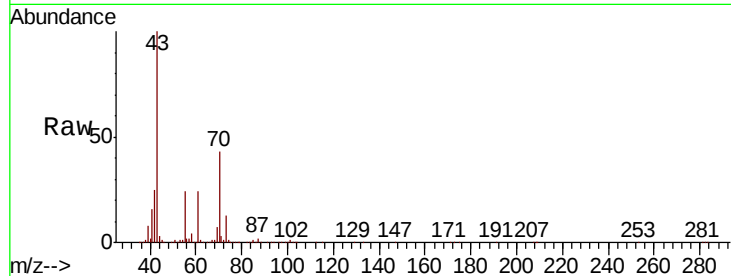
VSTDCCC020

Tot Ion: 43 Resp: 162564

Ion Ratio Lower Upper

43 100

55 24.2 19.0 28.4



#48

t-1,3-Dichloropropene

Concen: 17.924 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016003.D

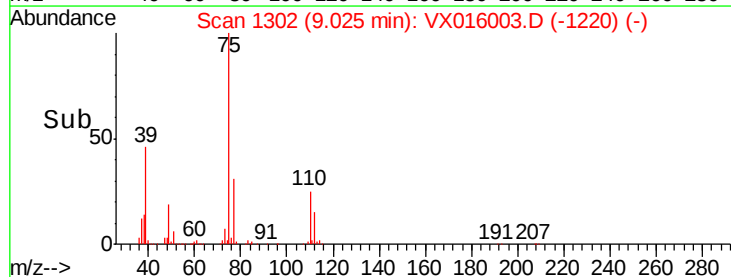
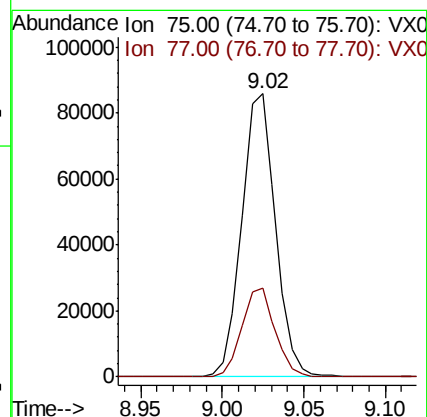
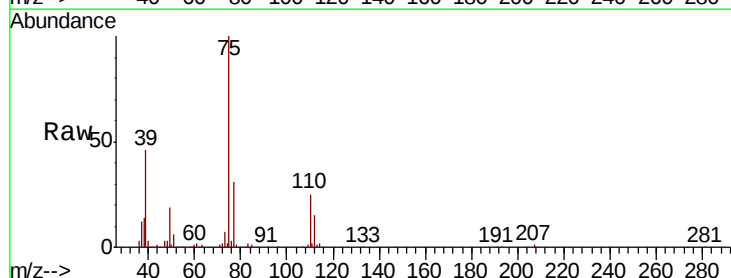
Acq: 01 May 2020 11:13

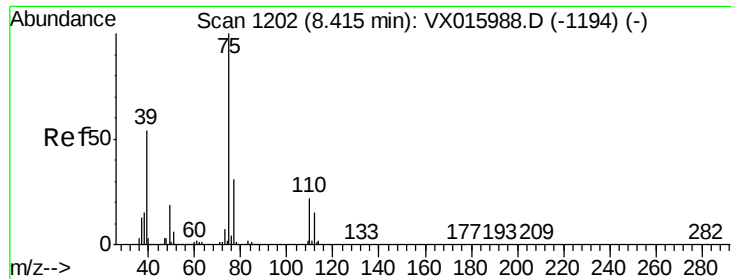
Tgt Ion: 75 Resp: 124028

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8



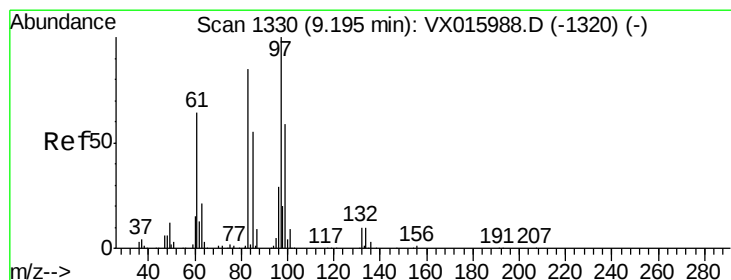
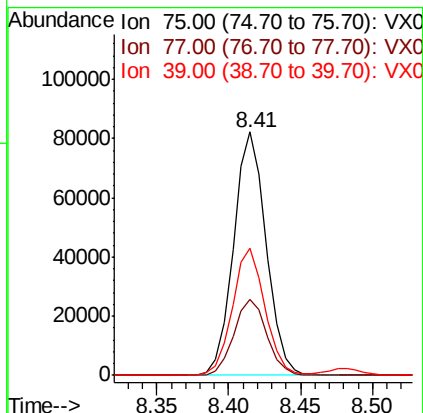
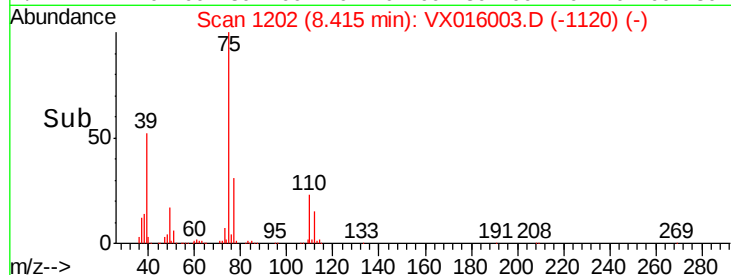
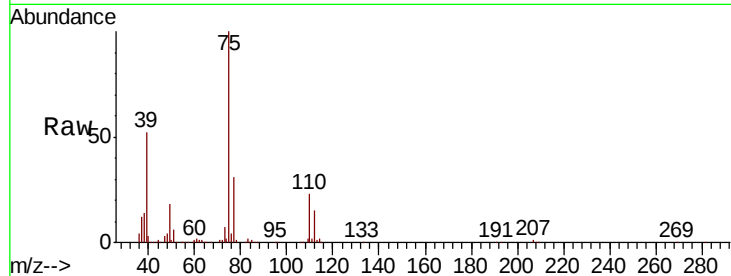


#49

cis-1,3-Dichloropropene
 Concen: 18.029 ug/l
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

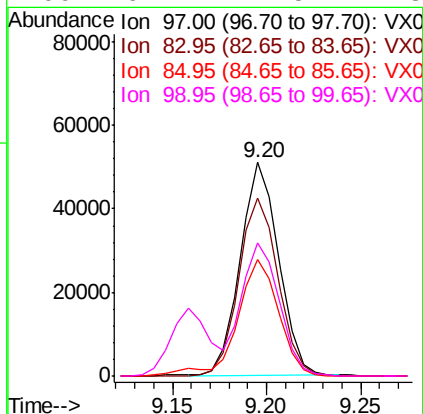
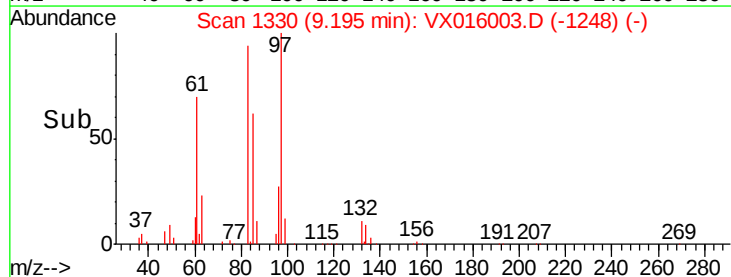
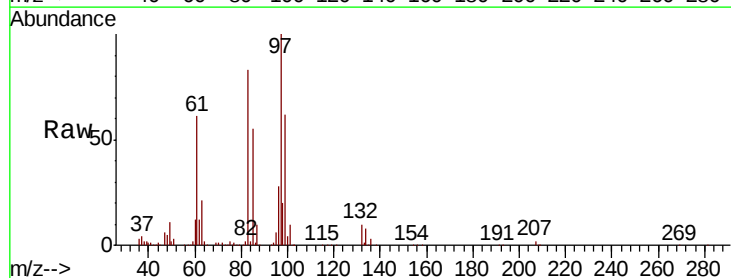
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6
39	51.9	43.2	64.8

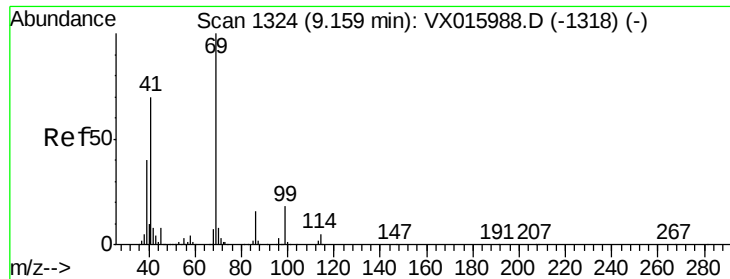


#50

1,1,2-Trichloroethane
 Concen: 17.724 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.7	101.5
85	54.7	43.7	65.5
99	62.1	47.5	71.3





#51

Ethyl methacrylate

Concen: 17.867 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

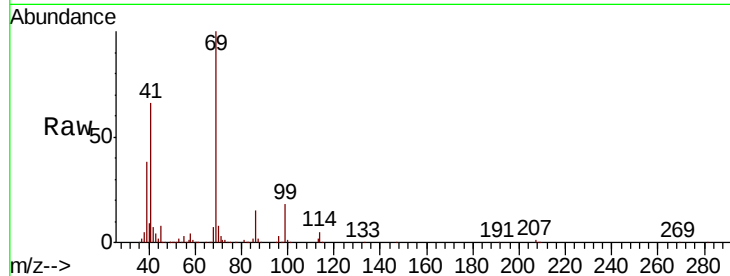
Tot Ion: 69 Resp: 120174

Ion Ratio Lower Upper

69 100

41 66.2 34.8 104.4

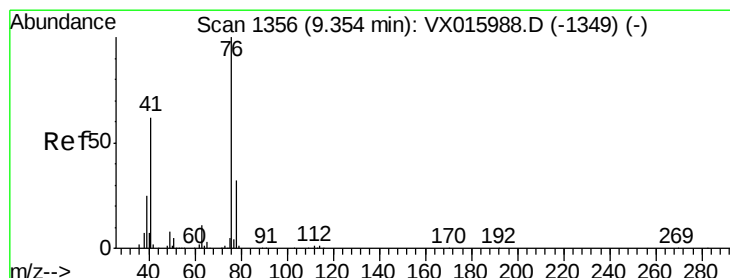
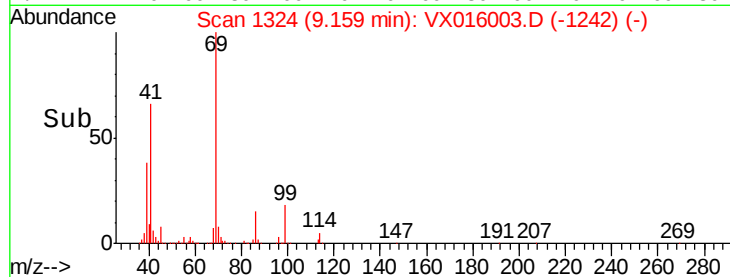
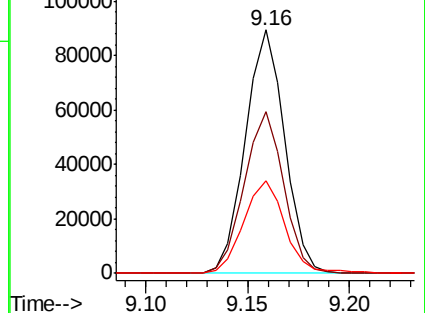
39 38.1 19.8 59.4



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: 18.246 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016003.D

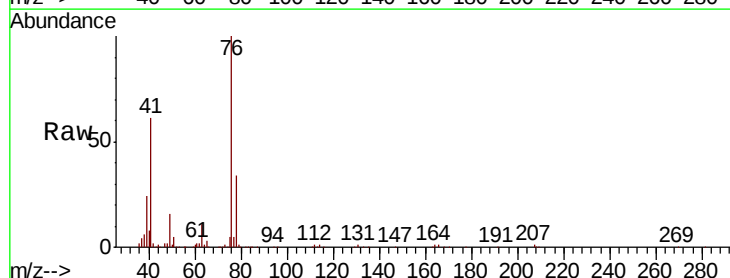
Acq: 01 May 2020 11:13

Tgt Ion: 76 Resp: 128478

Ion Ratio Lower Upper

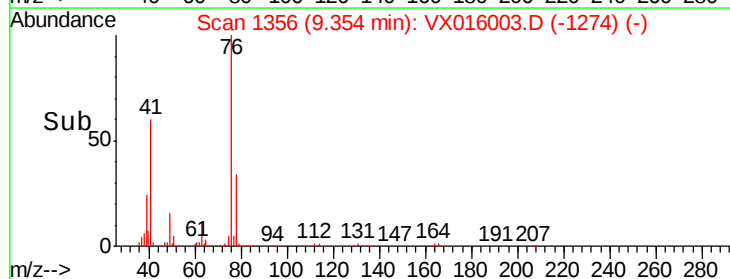
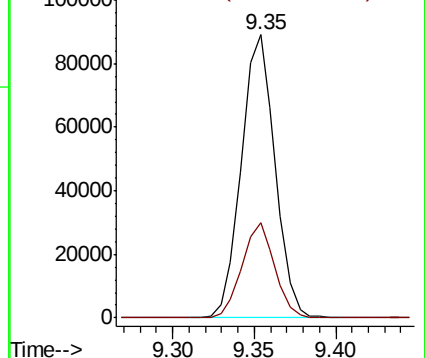
76 100

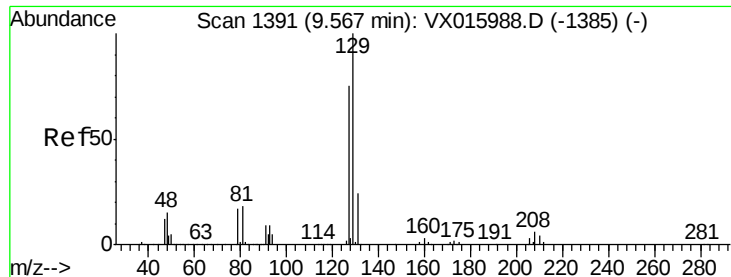
78 32.7 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

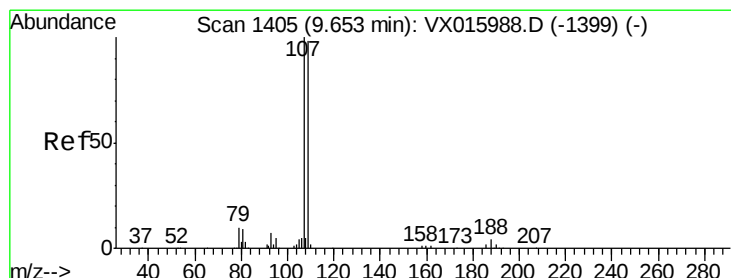
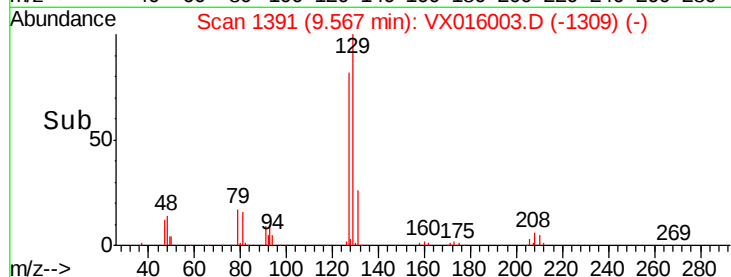
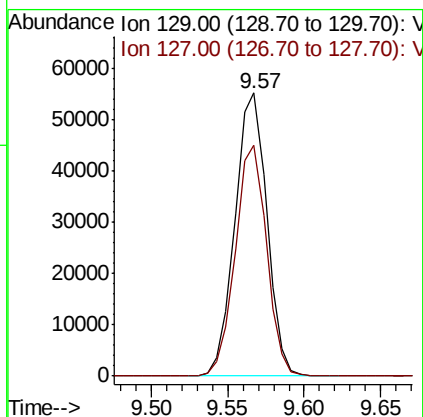
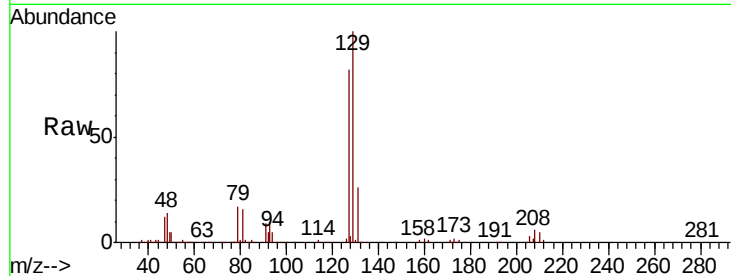




#53
 Dibromochloromethane
 Concen: 17.299 ug/l
 RT: 9.57 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

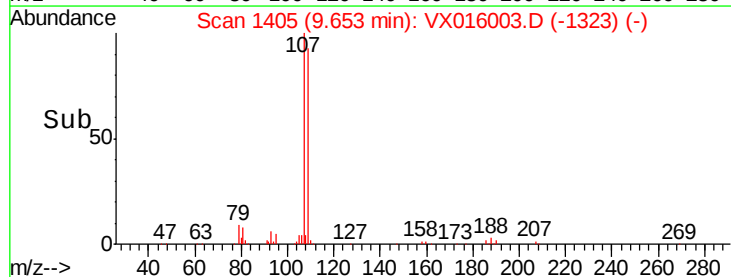
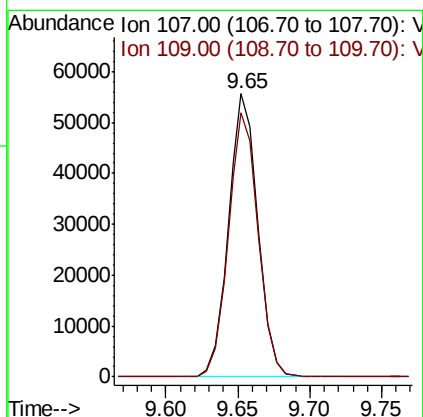
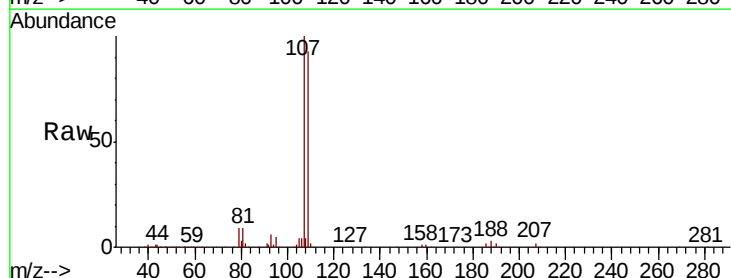
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

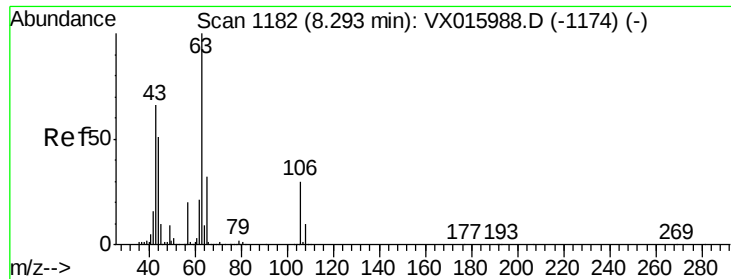
Tot Ion:129 Resp: 80167
 Ion Ratio Lower Upper
 129 100
 127 79.9 38.3 114.9



#54
 1,2-Dibromoethane
 Concen: 17.708 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion:107 Resp: 79273
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.7 112.1

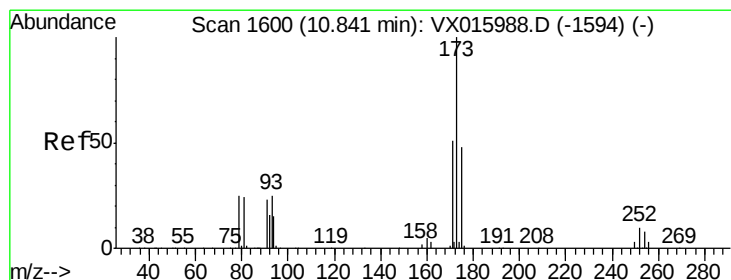
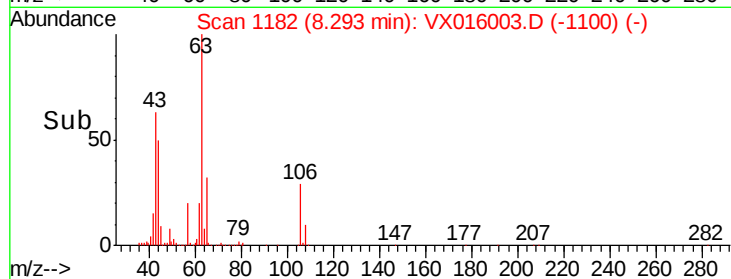
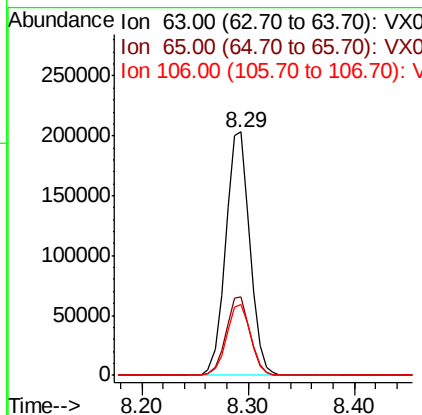
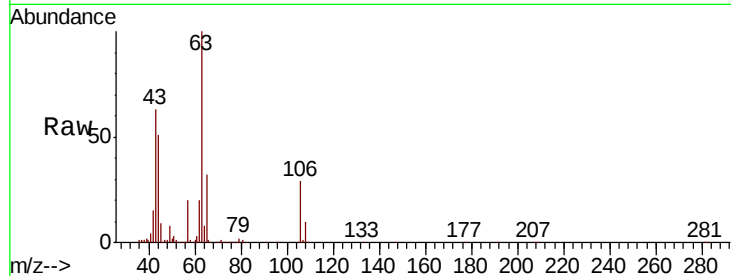




#55
 2-Chloroethyl vinyl ether
 Concen: 88.291 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

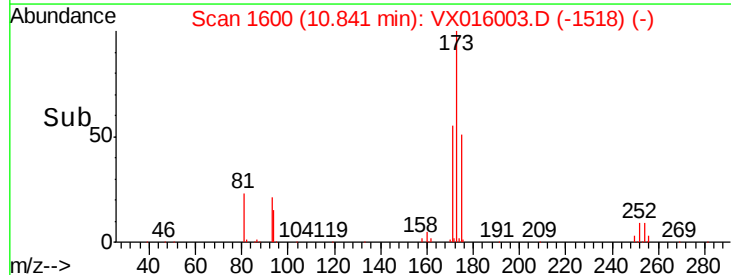
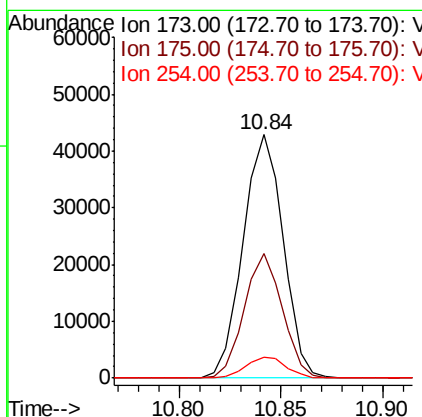
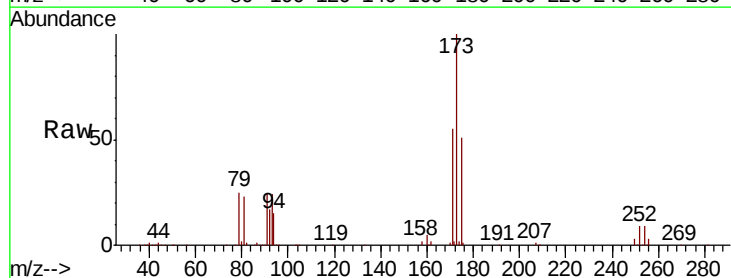
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

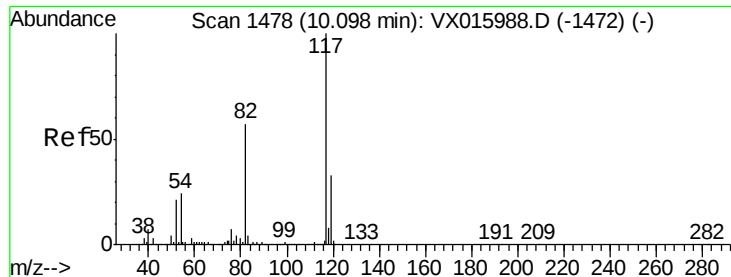
Tot Ion: 63 Resp: 323082
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.6 38.4
 106 29.1 23.4 35.0



#56
 Bromoform
 Concen: 16.783 ug/l
 RT: 10.84 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion: 173 Resp: 58600
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.0 57.0
 254 8.7 6.8 10.2





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

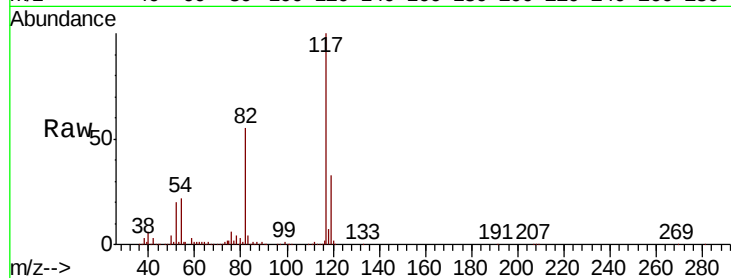
Tot Ion:117 Resp: 318138

Ion Ratio Lower Upper

117 100

82 56.4 45.1 67.7

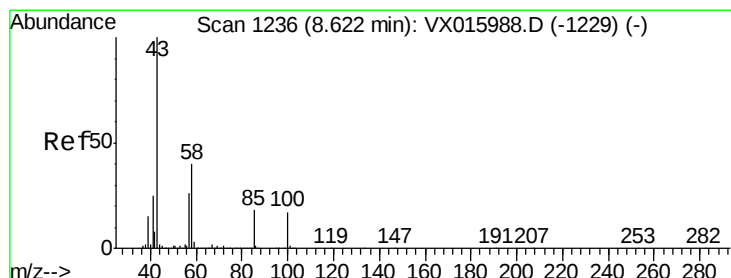
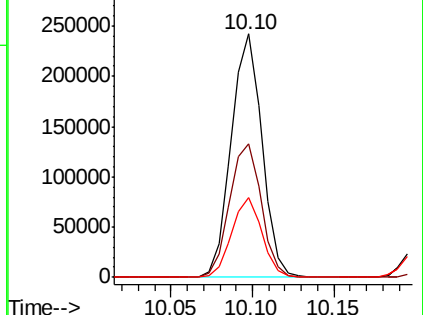
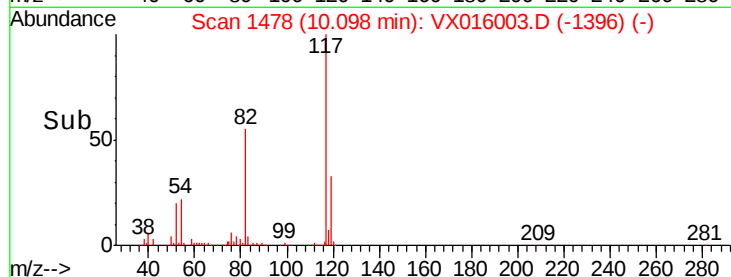
119 32.3 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 94.373 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

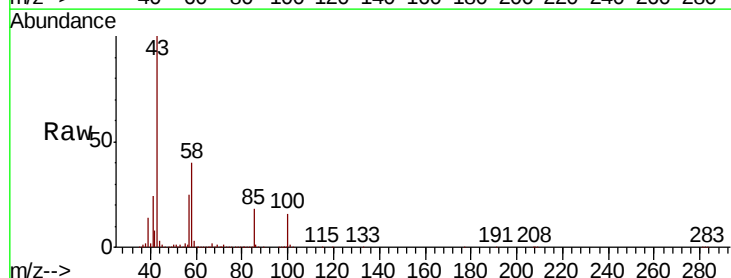
Tgt Ion: 43 Resp: 592075

Ion Ratio Lower Upper

43 100

58 40.5 31.8 47.6

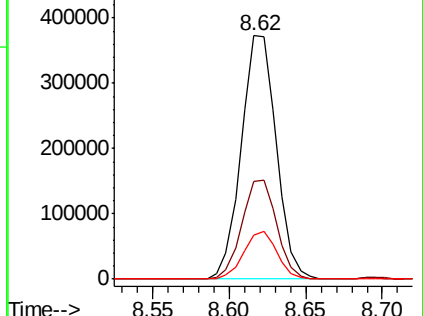
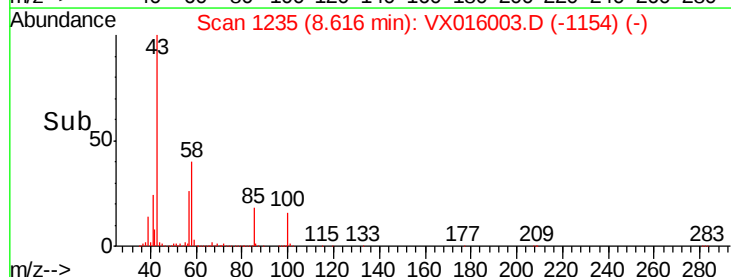
85 18.7 14.5 21.7

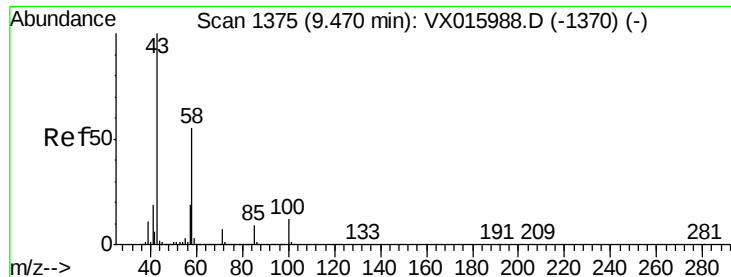


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

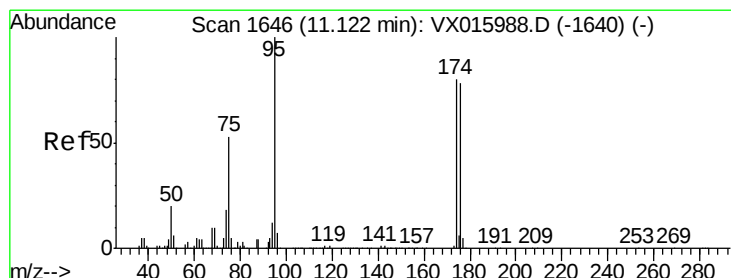
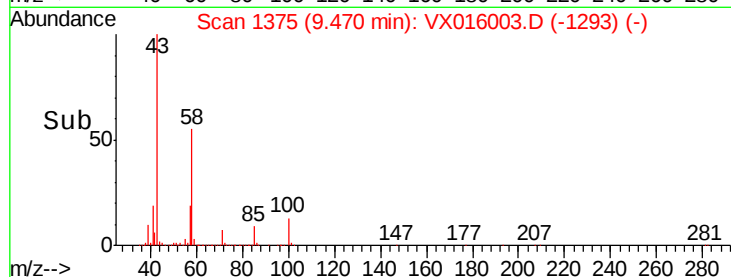
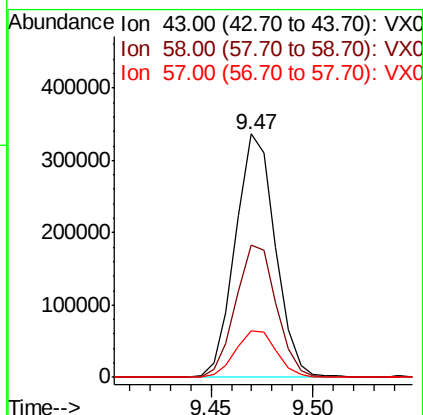
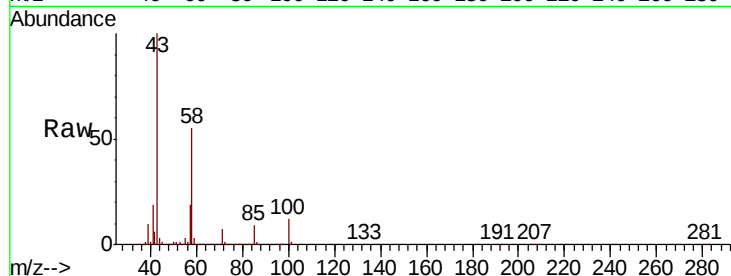




#59
2-Hexanone
Concen: 94.189 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

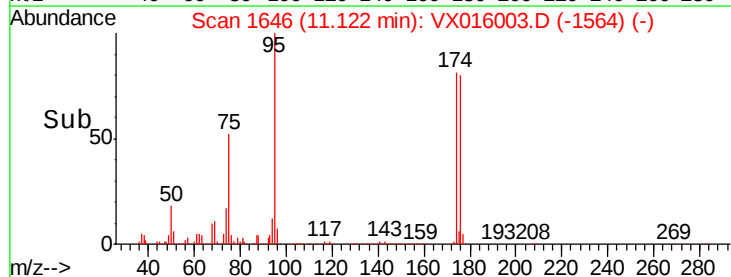
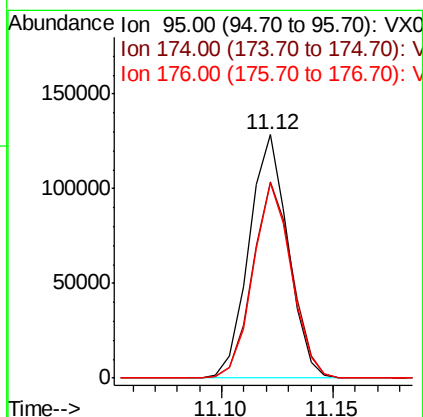
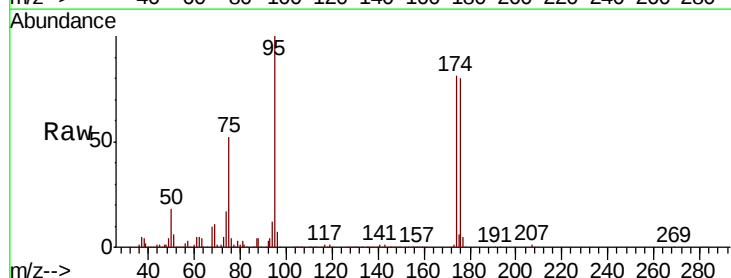
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

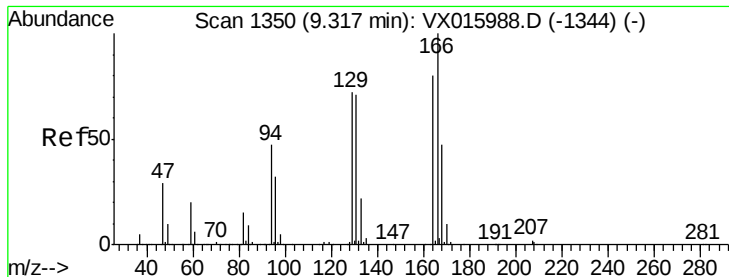
Tot Ion: 43 Resp: 456441
Ion Ratio Lower Upper
43 100
58 55.4 44.0 66.0
57 19.9 15.5 23.3



#60
4-Bromofluorobenzene
Concen: 29.425 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion: 95 Resp: 156985
Ion Ratio Lower Upper
95 100
174 81.0 64.8 97.2
176 78.8 62.4 93.6





#61

Tetrachloroethene

Concen: 19.037 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 119799

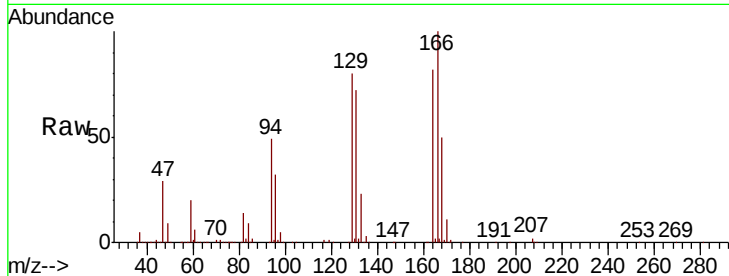
Ion Ratio Lower Upper

164 100

166 122.3 100.1 150.1

129 98.3 72.2 108.4

131 88.1 71.3 106.9

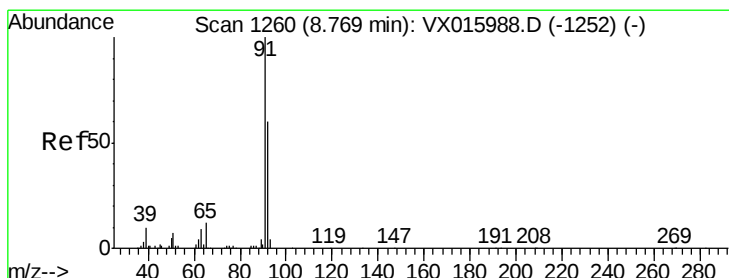
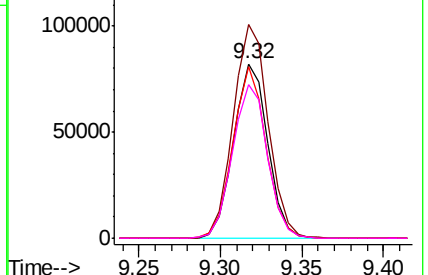
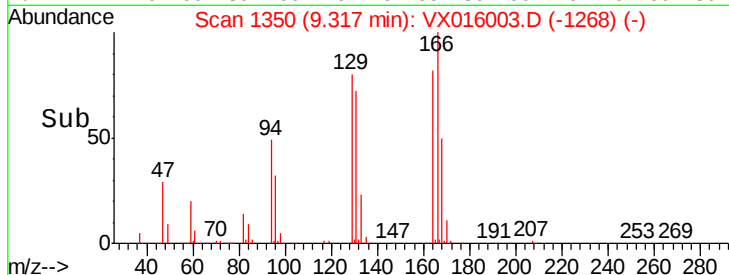


Abundance Ion 163.85 (163.55 to 164.55): V

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: 18.585 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016003.D

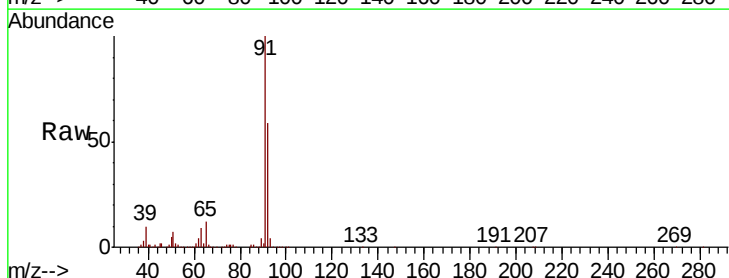
Acq: 01 May 2020 11:13

Tgt Ion: 91 Resp: 315882

Ion Ratio Lower Upper

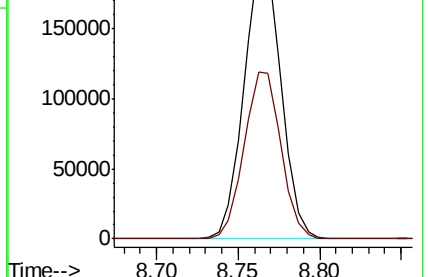
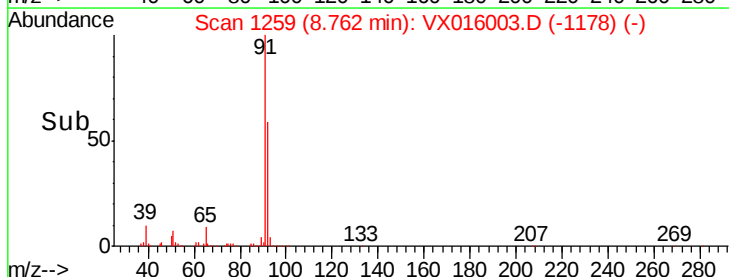
91 100

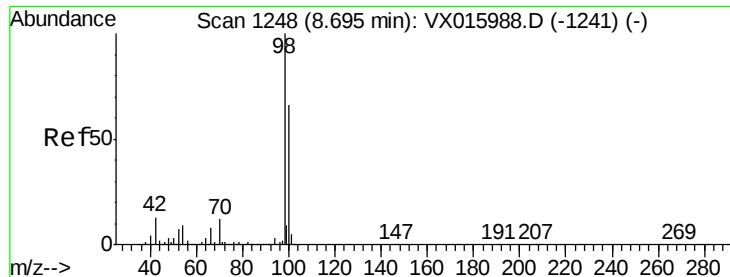
92 59.4 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.716 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

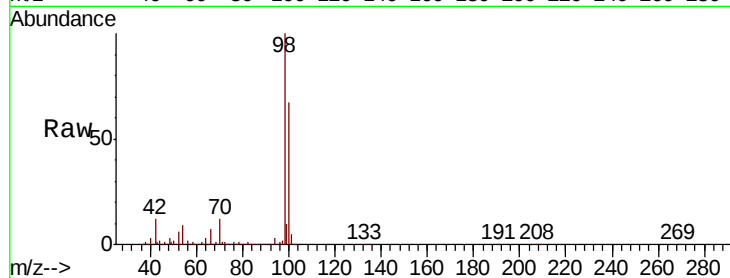
VSTDCCC020

Tot Ion: 98 Resp: 419198

Ion Ratio Lower Upper

98 100

100 65.9 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

300000

250000

200000

150000

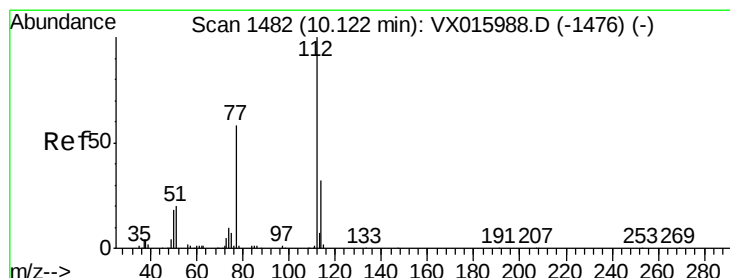
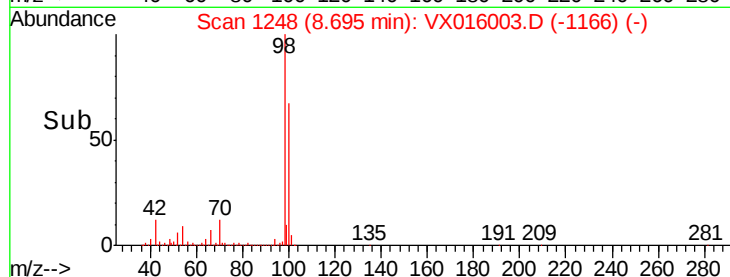
100000

50000

0

8.60 8.70 8.80

Time-->



#64

Chlorobenzene

Concen: 18.262 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016003.D

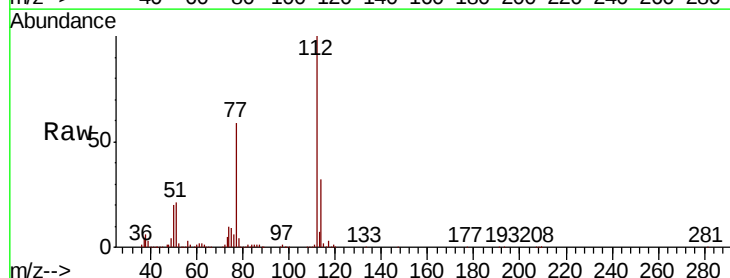
Acq: 01 May 2020 11:13

Tgt Ion: 112 Resp: 197633

Ion Ratio Lower Upper

112 100

114 31.6 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

10.12

150000

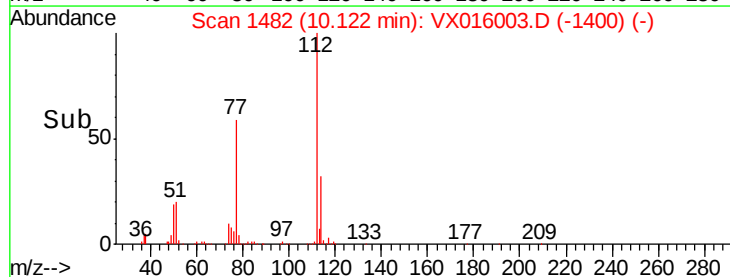
100000

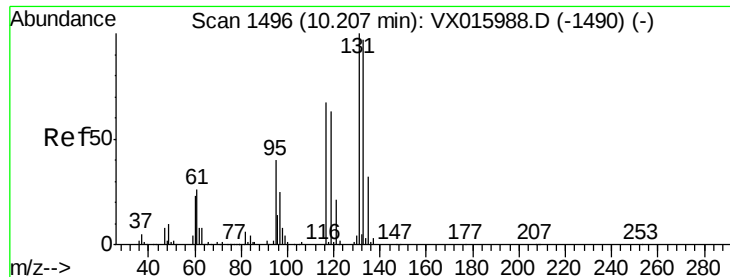
50000

0

10.05 10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 17.802 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

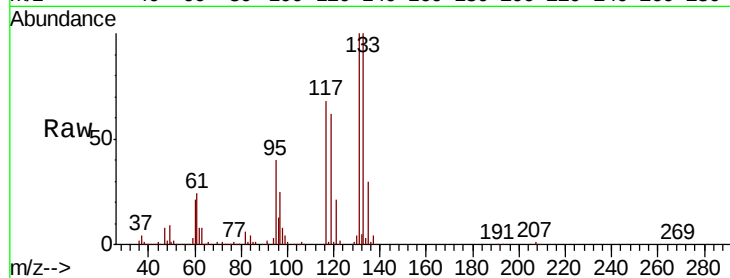
Tot Ion:131 Resp: 73137

Ion Ratio Lower Upper

131 100

133 96.2 0.0 187.0

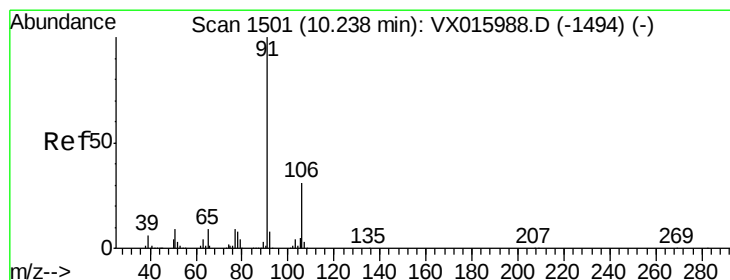
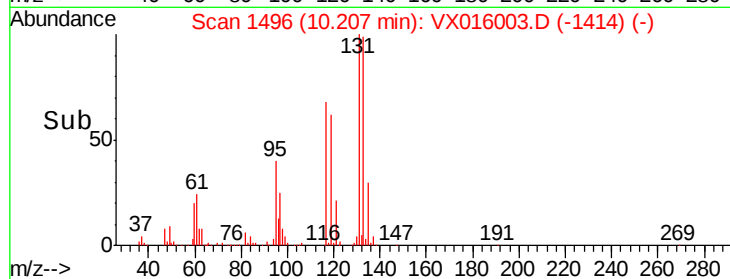
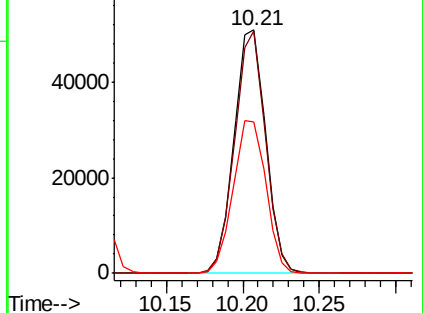
119 64.5 0.0 129.0



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: 18.467 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016003.D

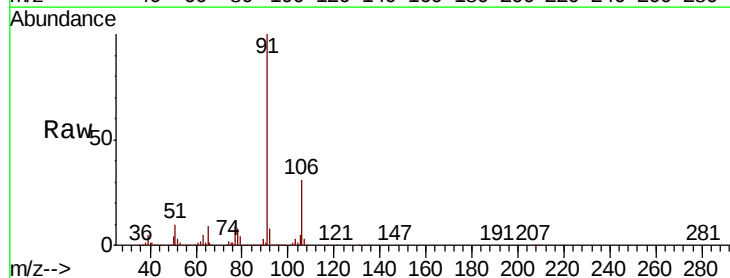
Acq: 01 May 2020 11:13

Tgt Ion: 91 Resp: 357416

Ion Ratio Lower Upper

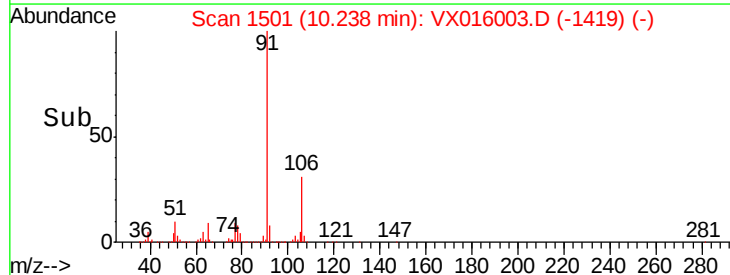
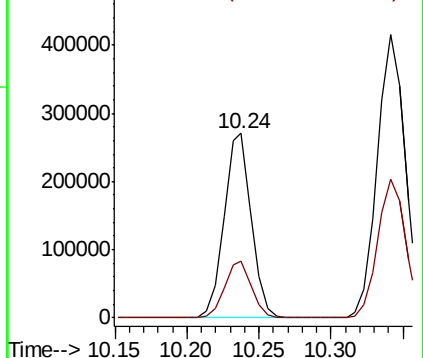
91 100

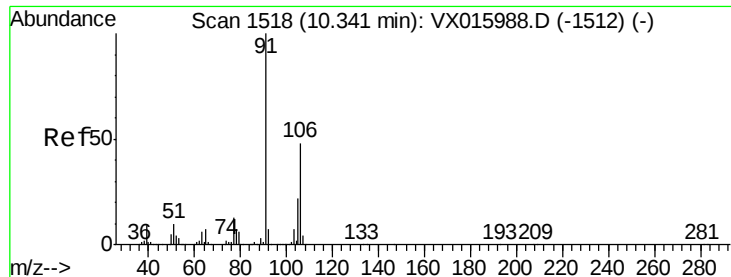
106 31.1 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 36.647 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

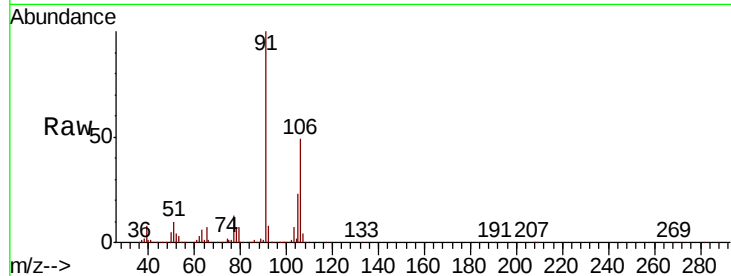
VSTDCCC020

Tot Ion:106 Resp: 270188

Ion Ratio Lower Upper

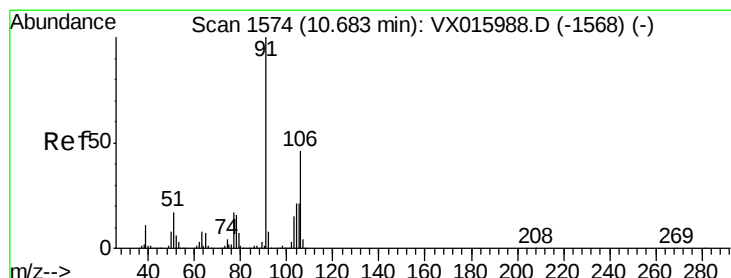
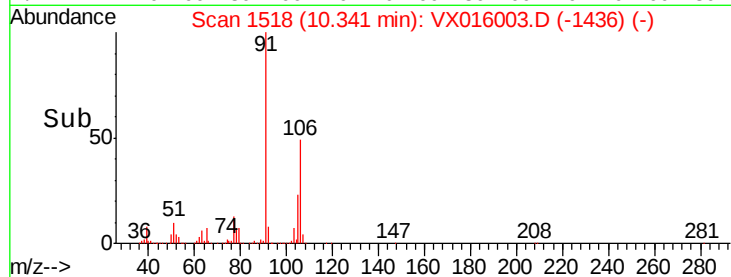
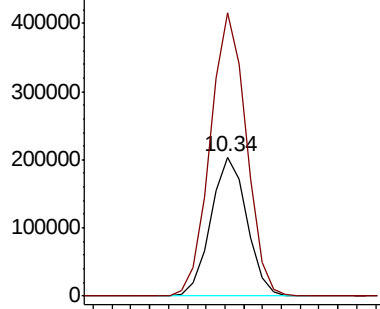
106 100

91 203.6 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 18.227 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX016003.D

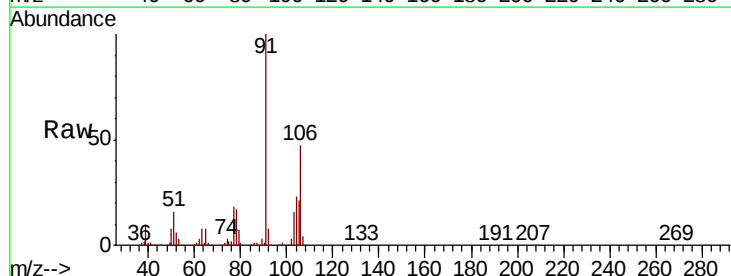
Acq: 01 May 2020 11:13

Tgt Ion:106 Resp: 129591

Ion Ratio Lower Upper

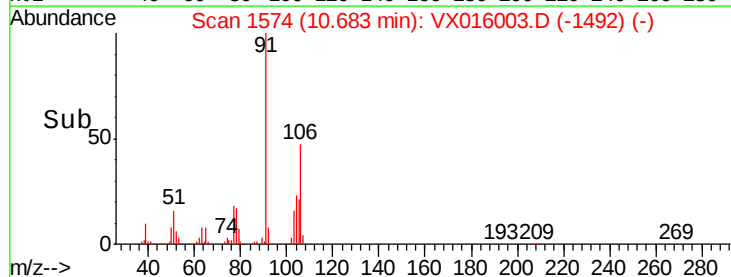
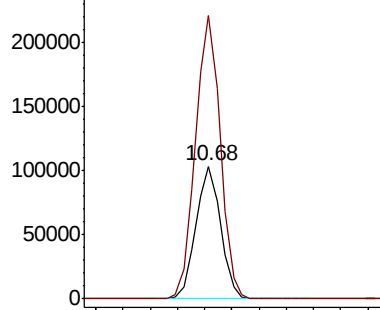
106 100

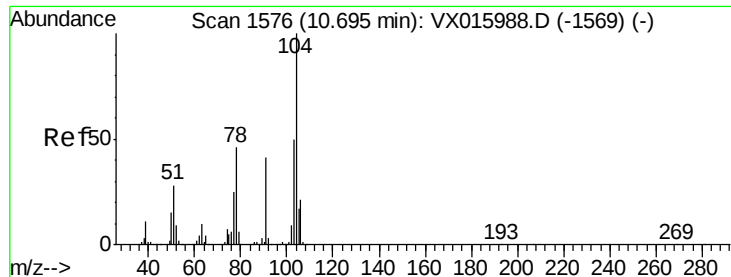
91 214.6 108.3 325.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

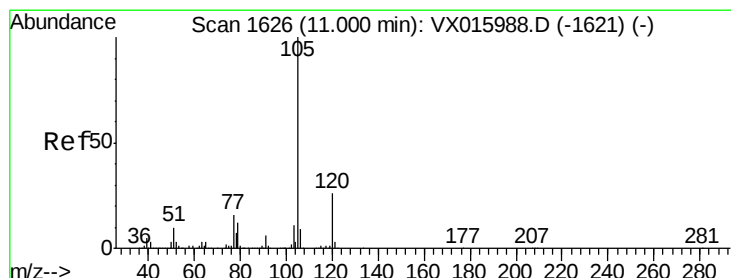
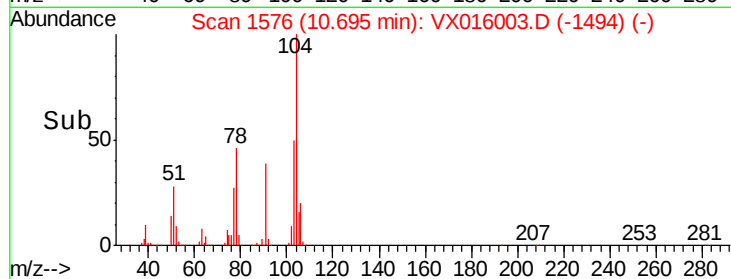
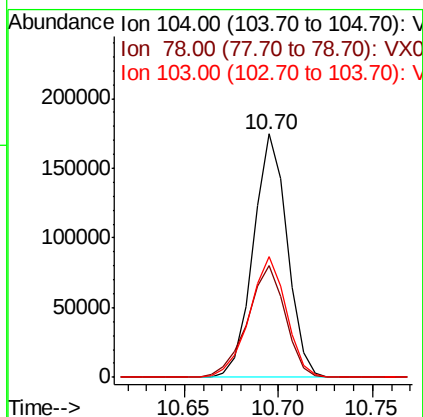
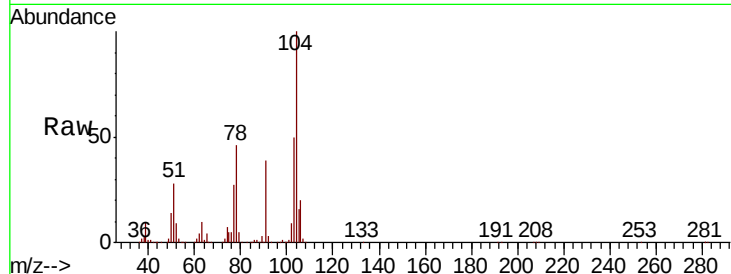




#69
Stvrene
Concen: 17.940 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

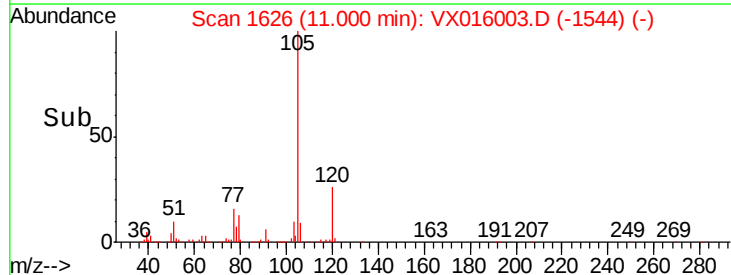
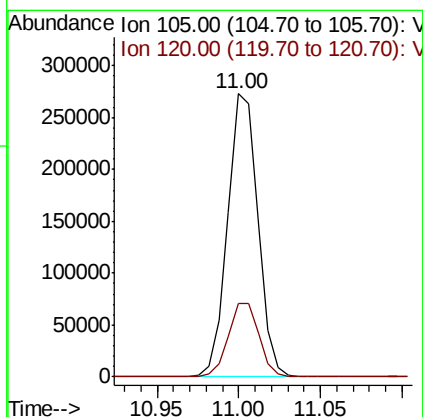
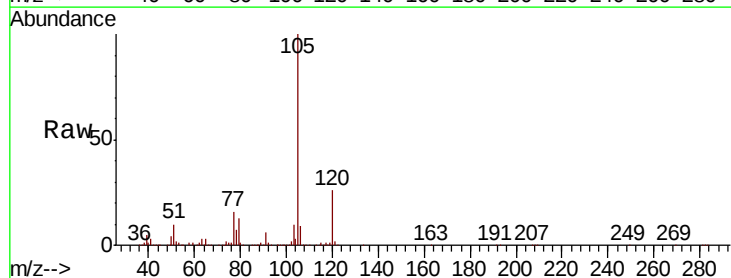
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

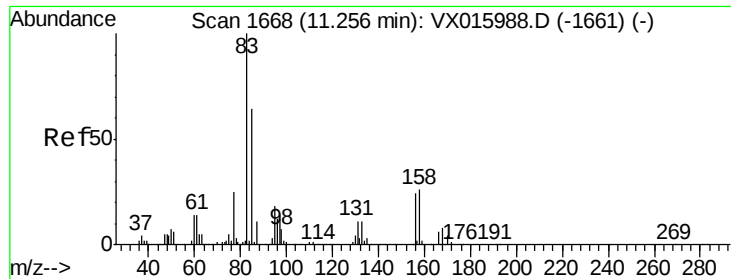
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.7	61.1
103	53.9	43.0	64.4



#70
Isopropylbenzene
Concen: 18.281 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.6	34.5

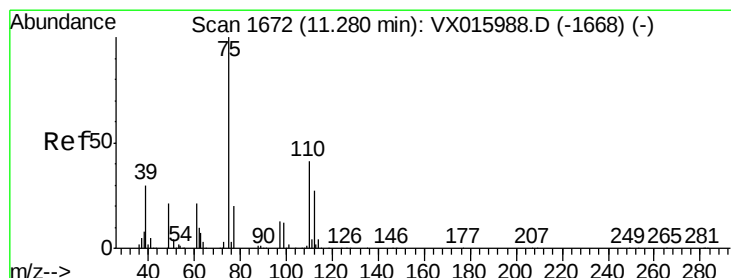
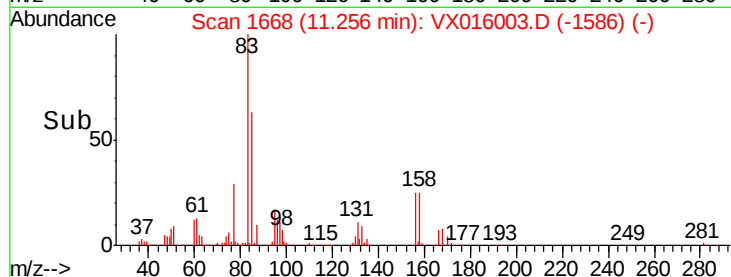
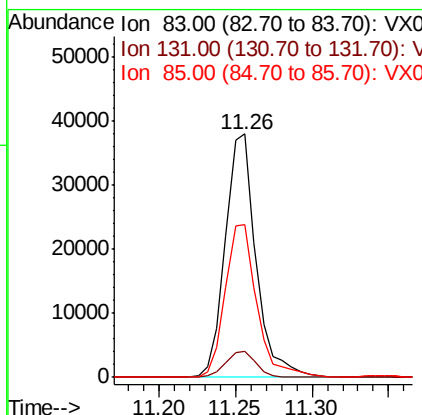
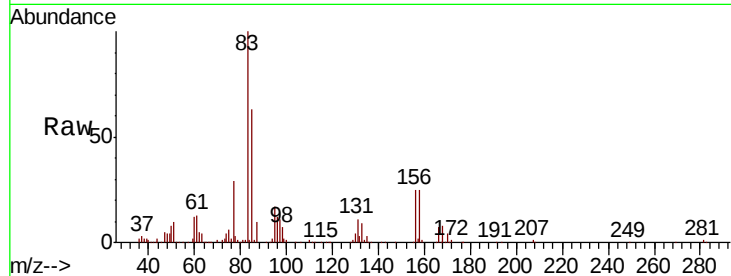




#71
 1,1,2,2-Tetrachloroethane
 Concen: 14.870 ug/l
 RT: 11.26 min Scan# 1668
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

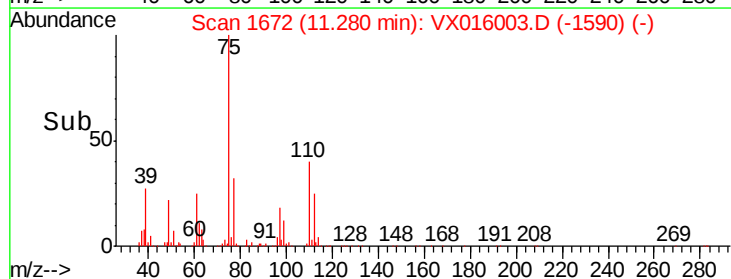
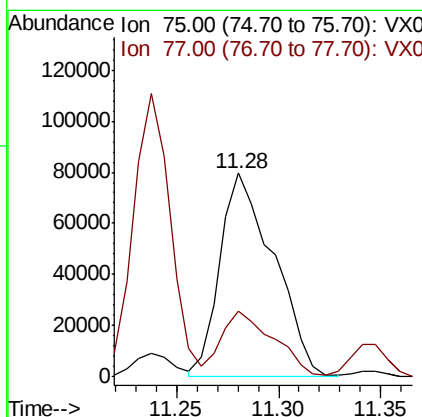
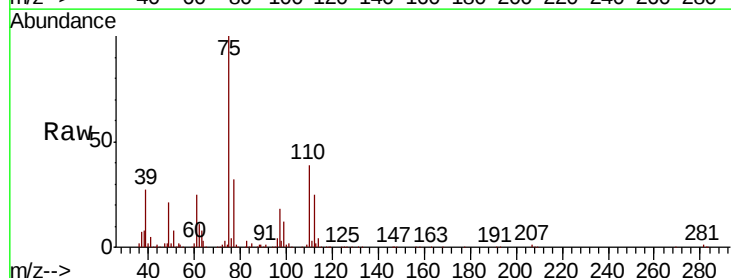
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

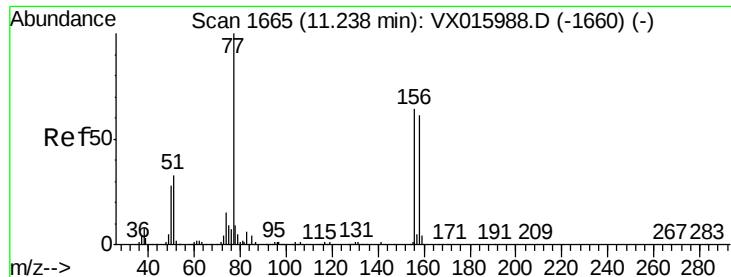
Tot Ion: 83 Resp: 53063
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.2 15.6
 85 64.6 33.0 98.9



#72
 1,2,3-Trichloropropane
 Concen: 25.230 ug/l
 RT: 11.28 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion: 75 Resp: 145819
 Ion Ratio Lower Upper
 75 100
 77 31.5 0.0 86.0





#73

Bromobenzene

Concen: 17.824 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

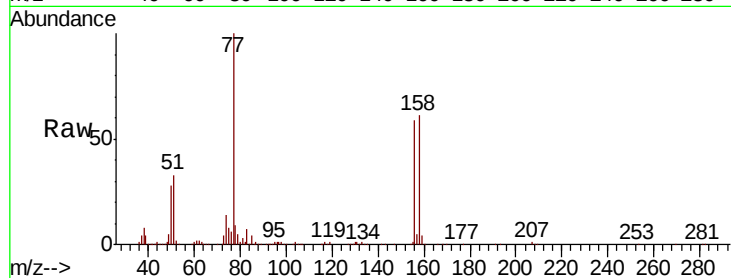
Tot Ion:156 Resp: 86218

Ion Ratio Lower Upper

156 100

77 162.2 0.0 318.0

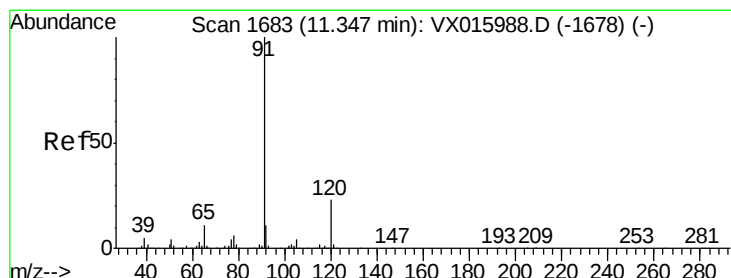
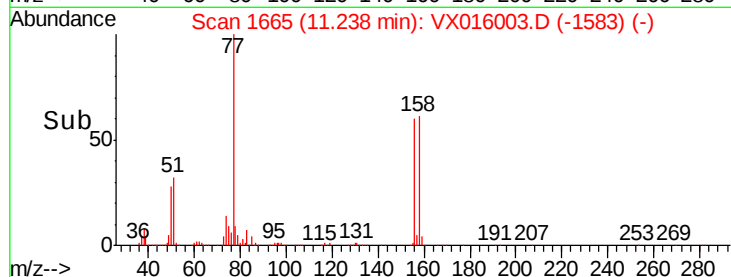
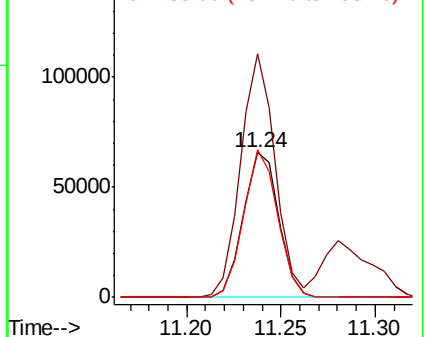
158 97.5 0.0 193.2



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: 18.164 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016003.D

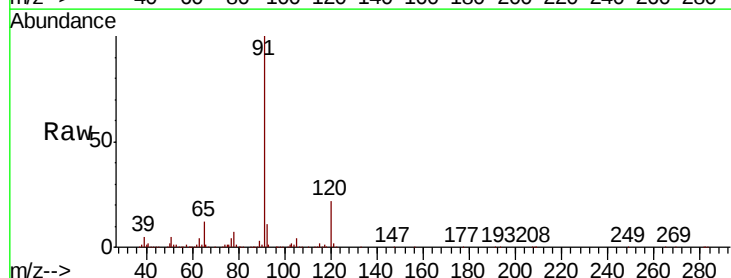
Acq: 01 May 2020 11:13

Tgt Ion: 91 Resp: 404981

Ion Ratio Lower Upper

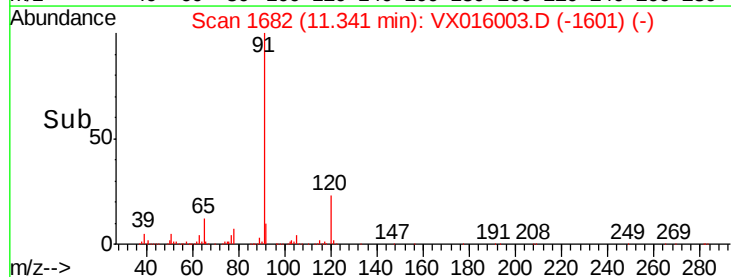
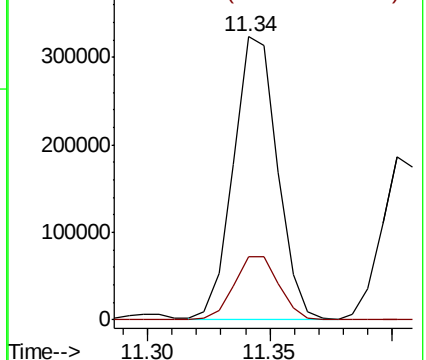
91 100

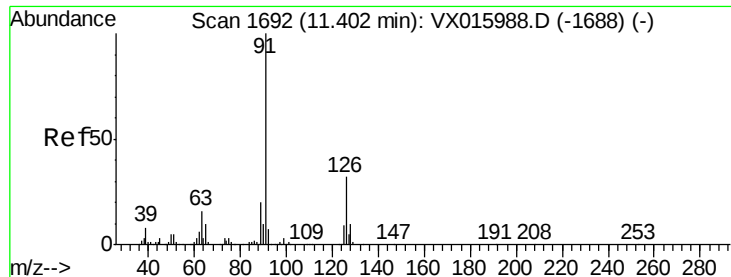
120 22.8 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.263 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

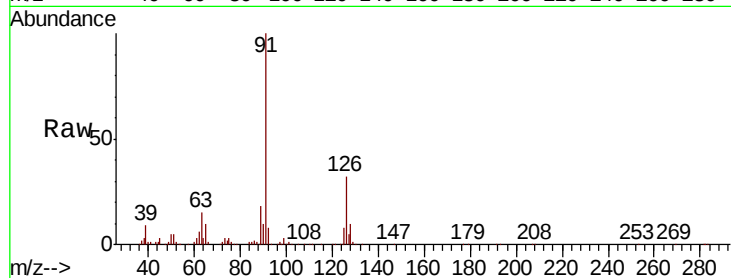
VSTDCCC020

Tot Ion: 91 Resp: 239283

Ion Ratio Lower Upper

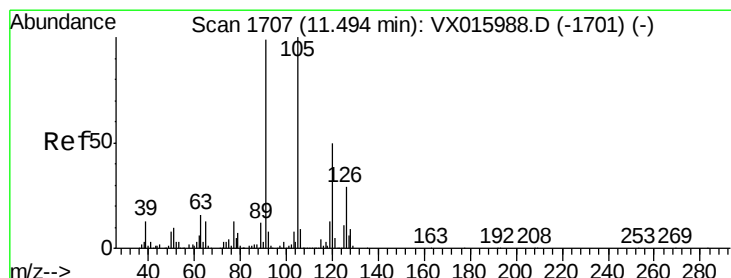
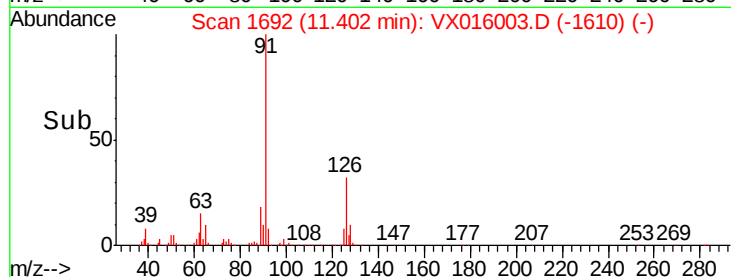
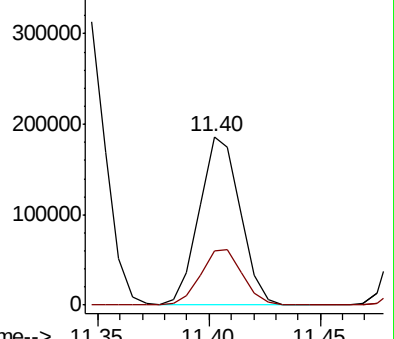
91 100

126 33.4 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX015988.D (-1688) (-)

Ion 126.00 (125.70 to 126.70): VX015988.D (-1688) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.139 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016003.D

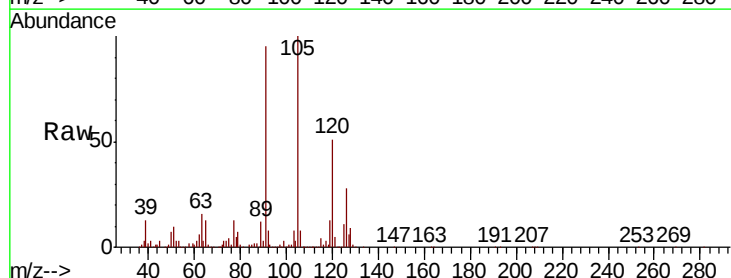
Acq: 01 May 2020 11:13

Tgt Ion: 105 Resp: 295550

Ion Ratio Lower Upper

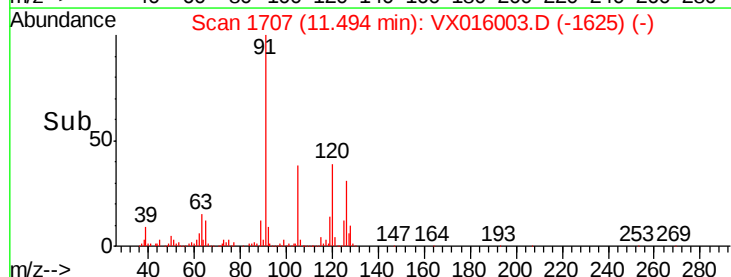
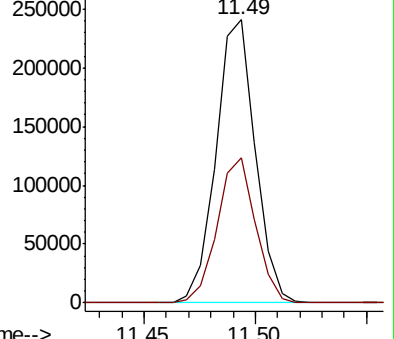
105 100

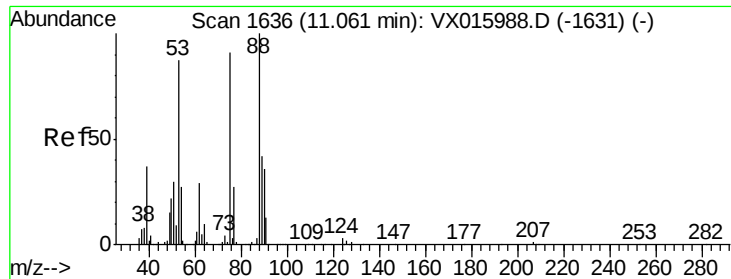
120 50.1 0.0 99.4



Abundance Ion 105.00 (104.70 to 105.70): VX015988.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX015988.D (-1701) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.126 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

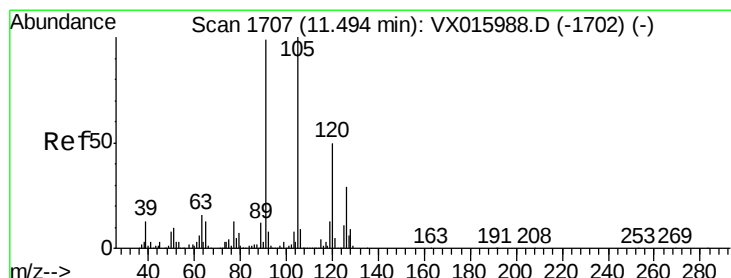
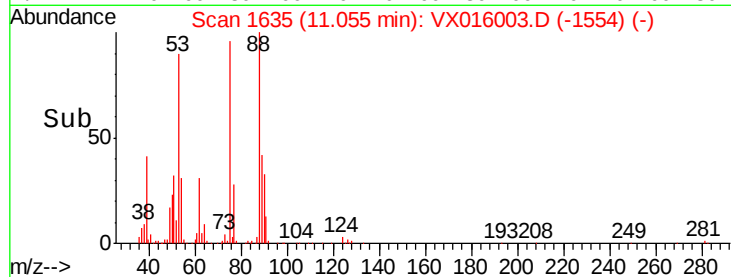
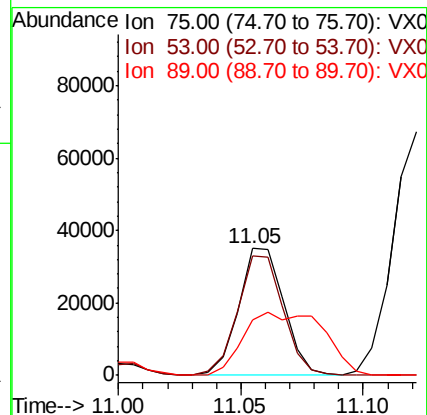
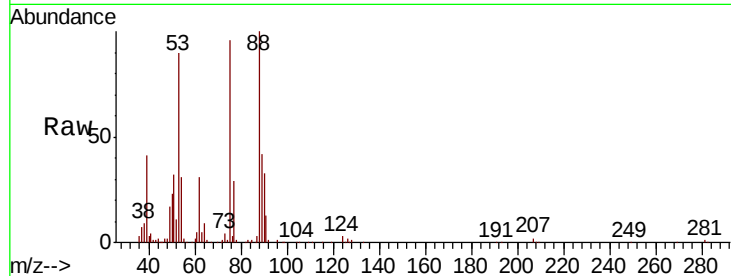
Tot Ion: 75 Resp: 45045

Ion Ratio Lower Upper

75 100

53 94.3 48.0 144.2

89 43.8 23.4 70.3



#78

4-Chlorotoluene

Concen: 18.006 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016003.D

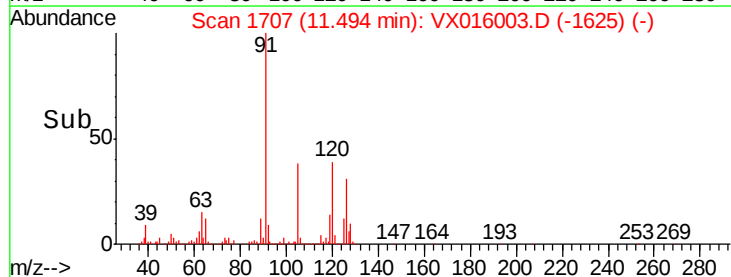
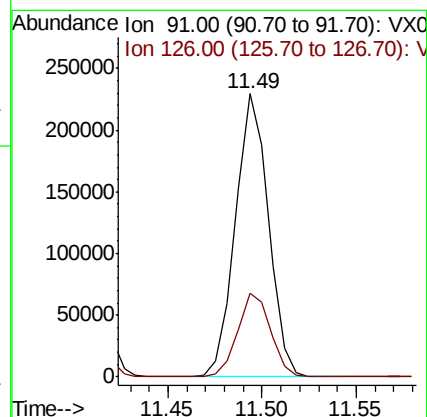
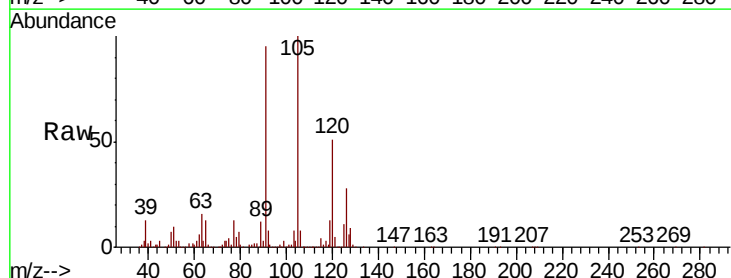
Acq: 01 May 2020 11:13

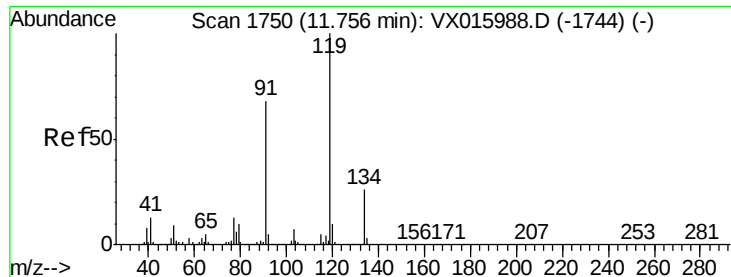
Tgt Ion: 91 Resp: 279250

Ion Ratio Lower Upper

91 100

126 29.4 0.0 58.4

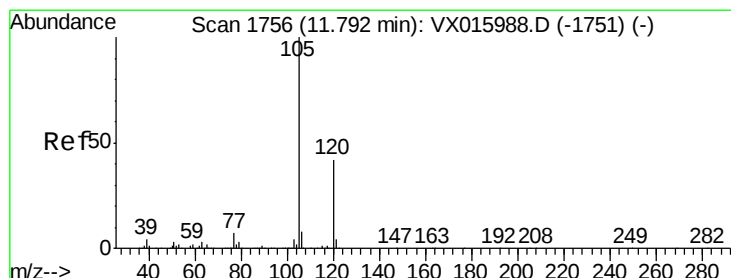
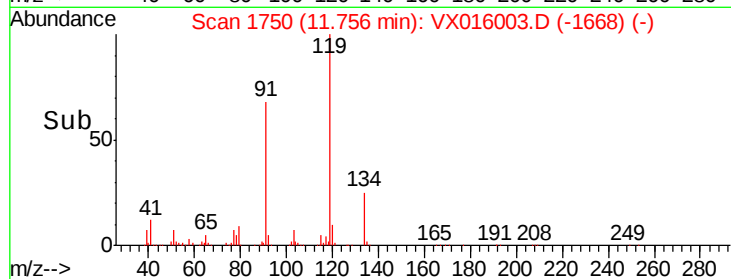
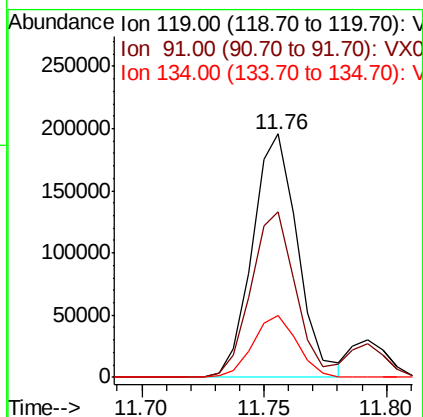
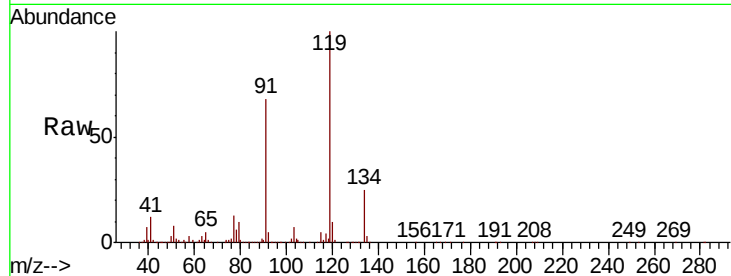




#79
tert-butylbenzene
Concen: 18.105 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

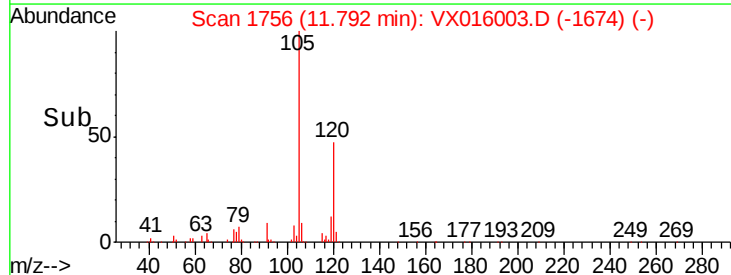
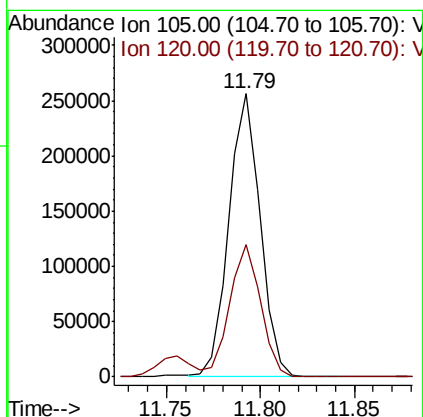
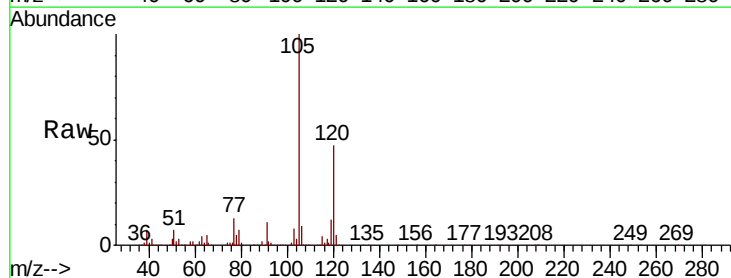
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

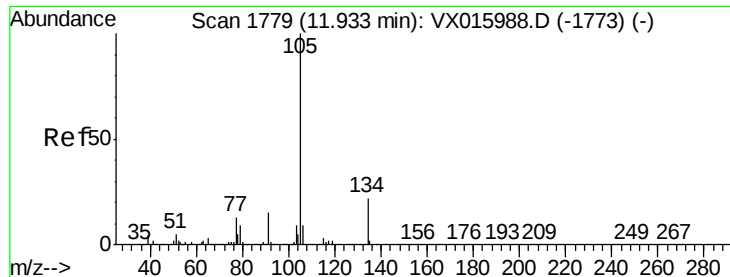
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	0.0	135.6
134	24.8	0.0	51.0



#80
1,2,4-Trimethylbenzene
Concen: 18.140 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	0.0	91.0





#81

sec-Butylbenzene

Concen: 18.241 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

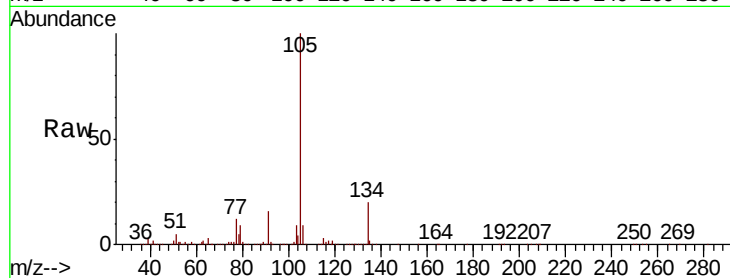
VSTDCCC020

Tot Ion:105 Resp: 342360

Ion Ratio Lower Upper

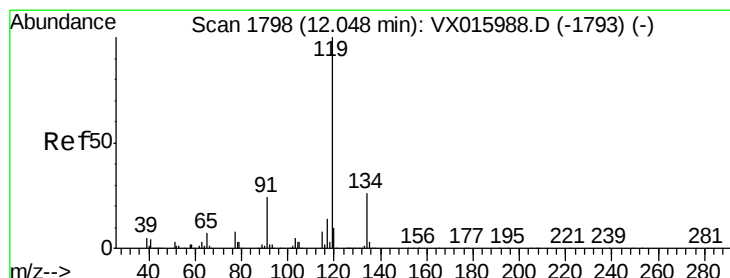
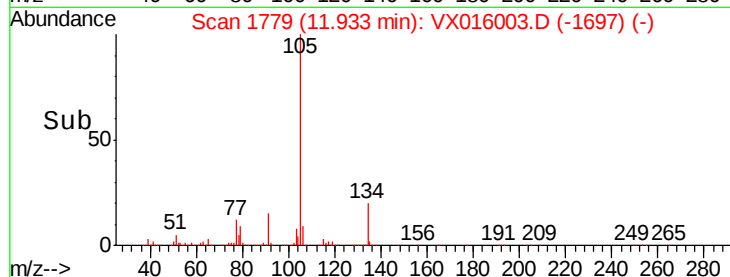
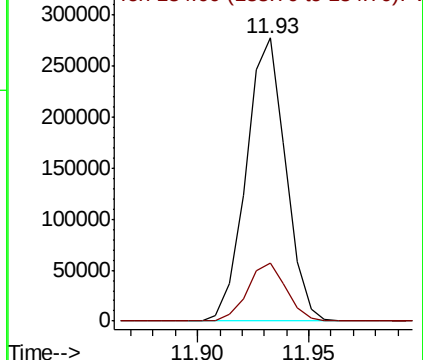
105 100

134 20.2 0.0 41.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.053 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

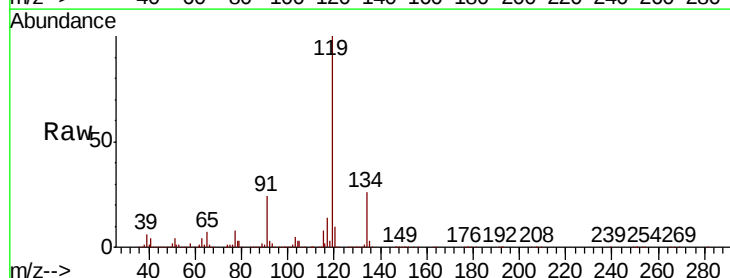
Tgt Ion:119 Resp: 313996

Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.6

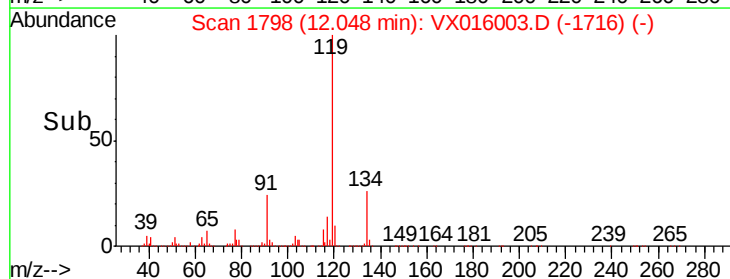
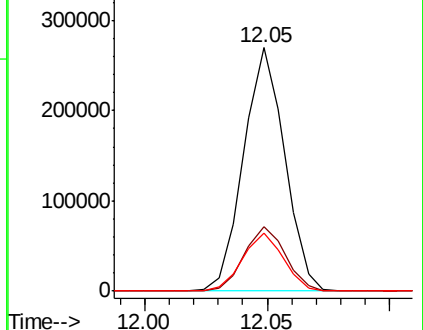
91 23.8 0.0 47.6

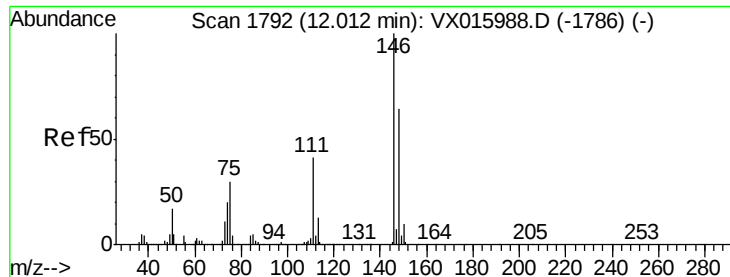


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

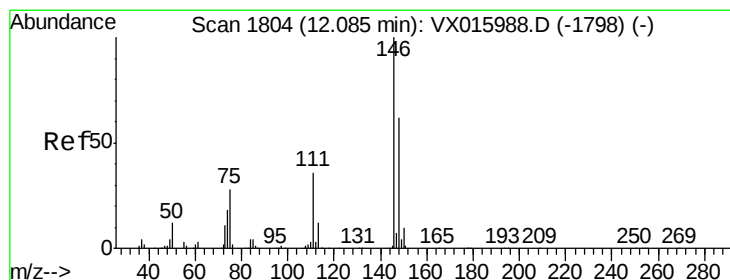
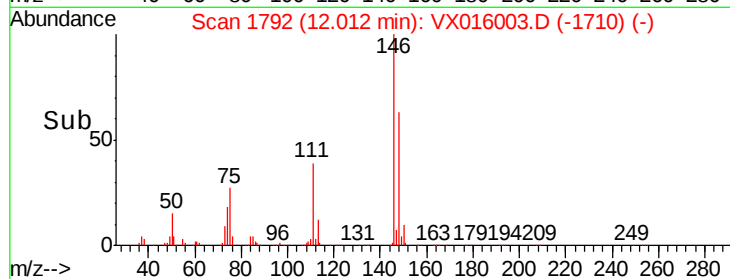
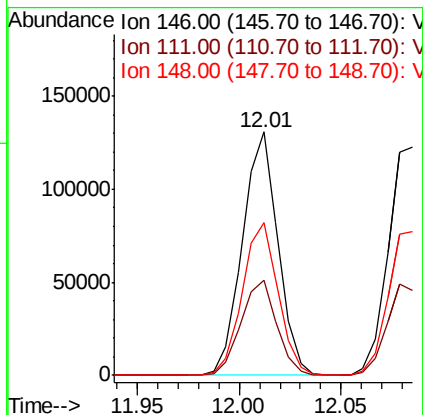
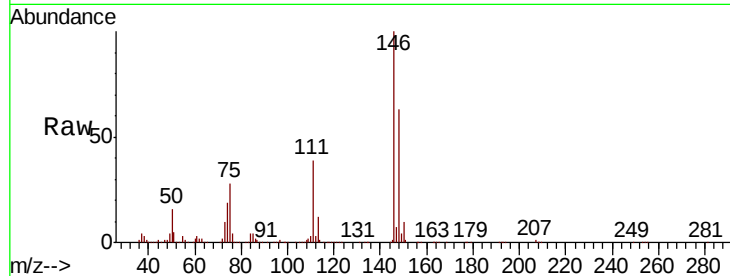




#83
 1,3-Dichlorobenzene
 Concen: 18.141 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

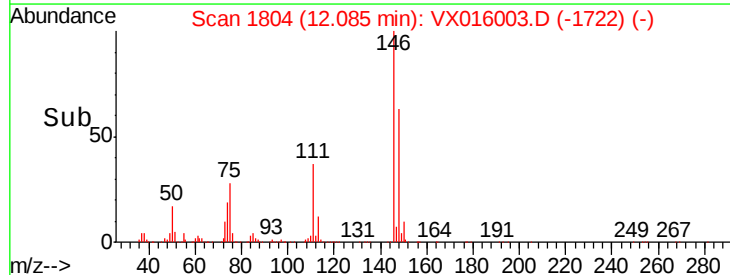
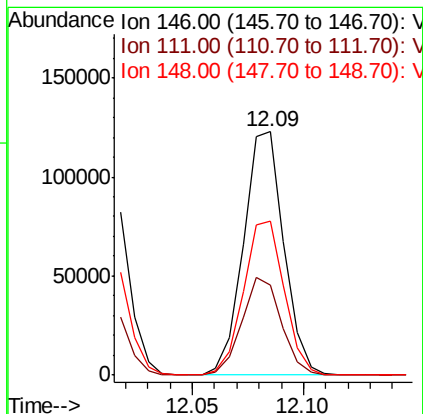
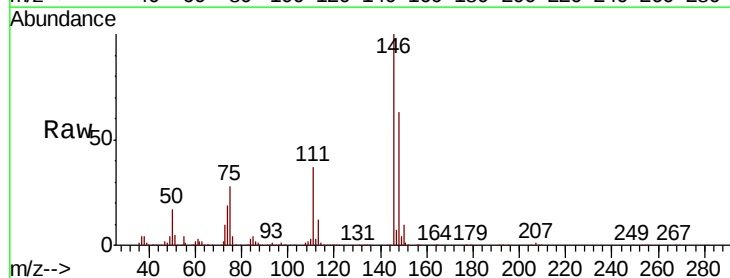
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

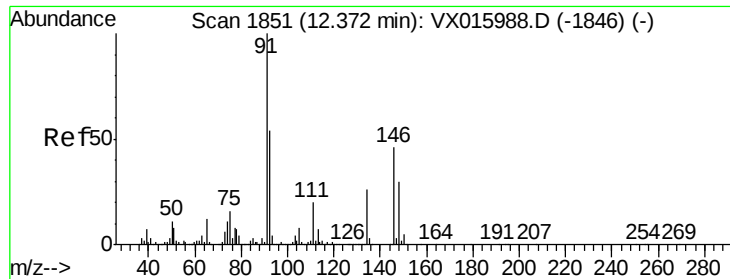
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.4	61.3
148	63.2	31.9	95.9



#84
 1,4-Dichlorobenzene
 Concen: 17.996 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.9	32.0	96.0

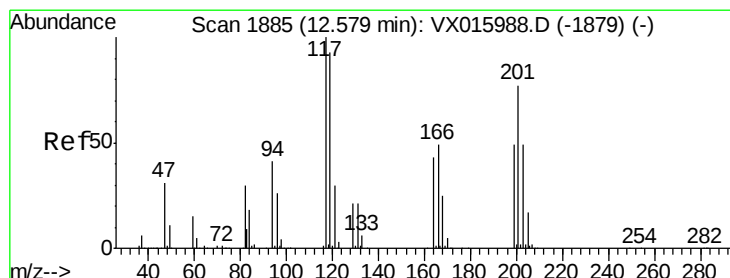
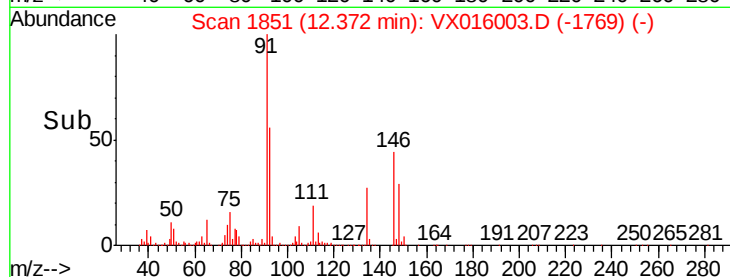
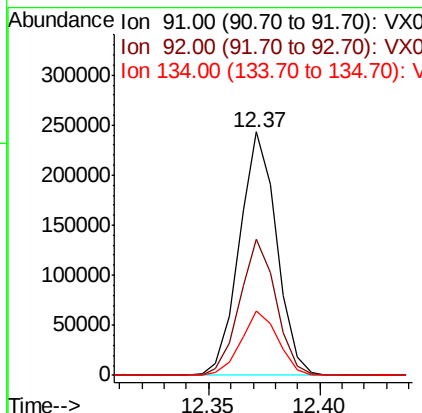
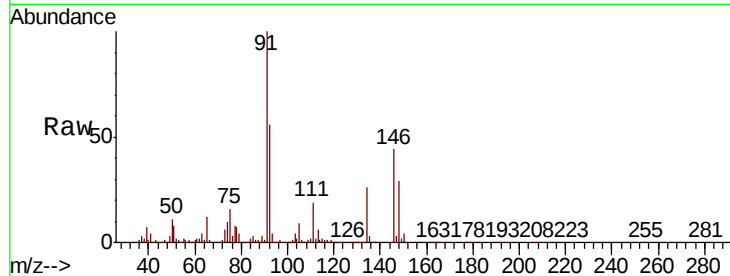




#85
n-Butylbenzene
Concen: 17.748 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

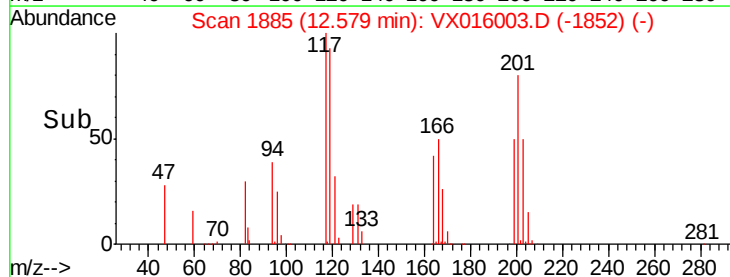
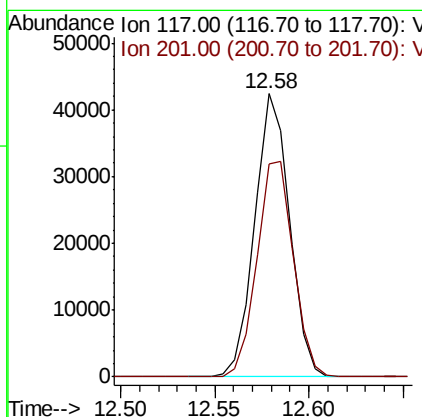
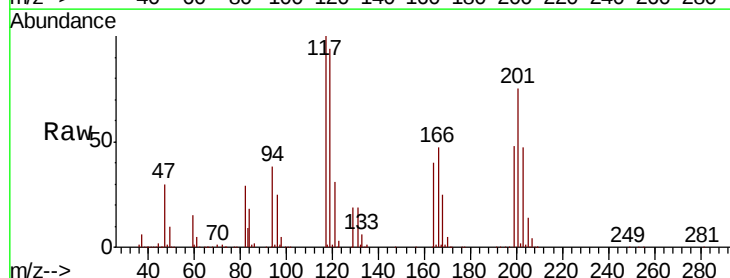
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

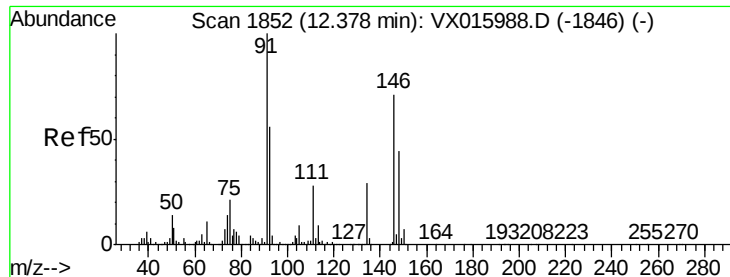
Tot Ion: 91 Resp: 281984
Ion Ratio Lower Upper
91 100
92 54.5 0.0 110.2
134 26.4 0.0 53.4



#86
Hexachloroethane
Concen: 17.754 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion: 117 Resp: 54362
Ion Ratio Lower Upper
117 100
201 79.9 40.1 120.2

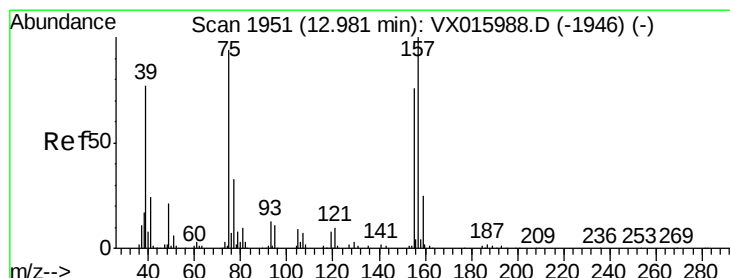
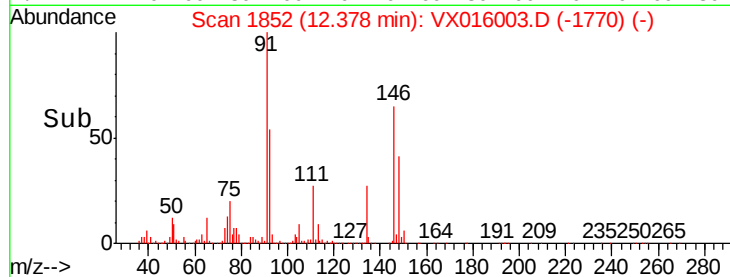
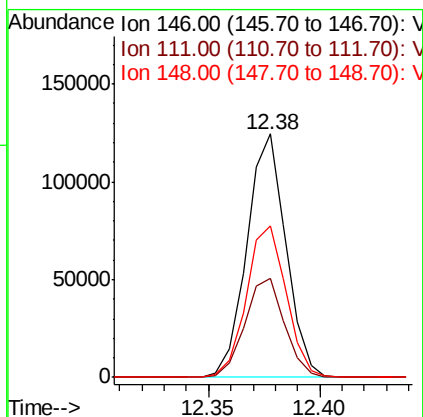
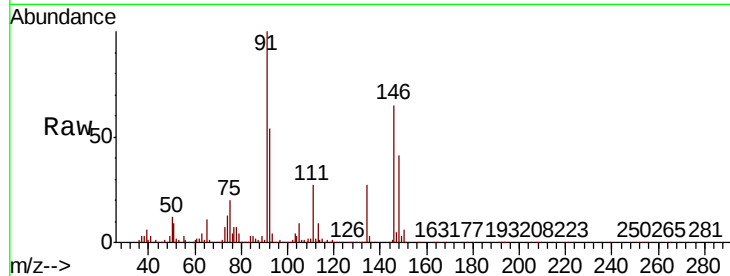




#87
 1,2-Dichlorobenzene
 Concen: 18.045 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

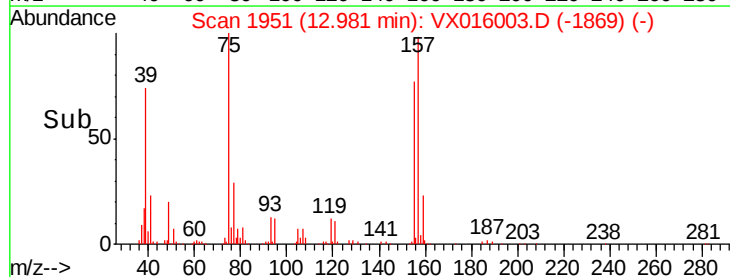
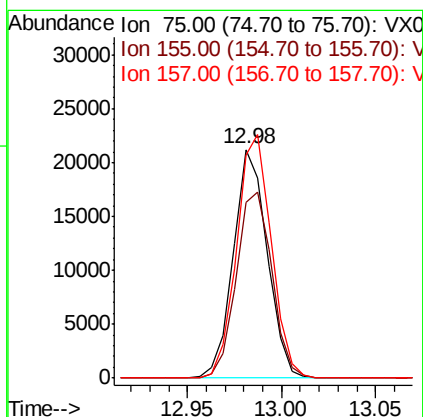
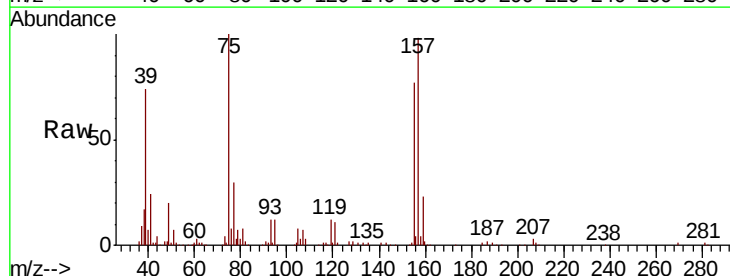
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

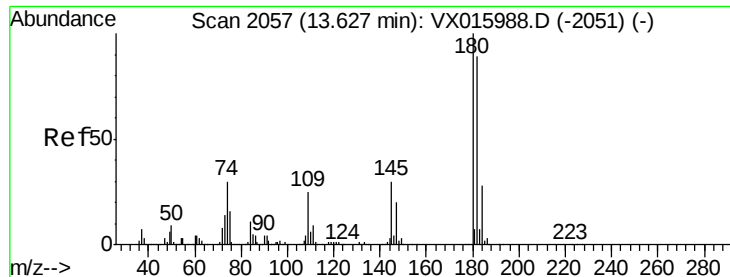
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.5	32.0	96.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.756 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	66.9	100.3
157	108.4	88.2	132.2

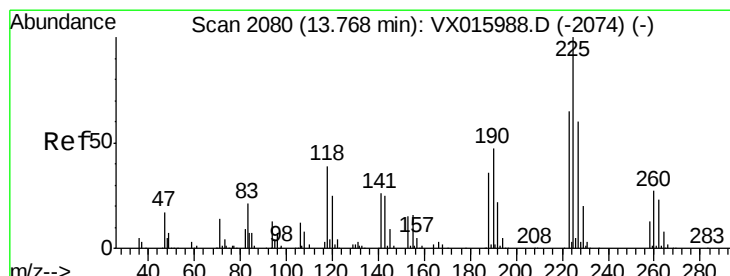
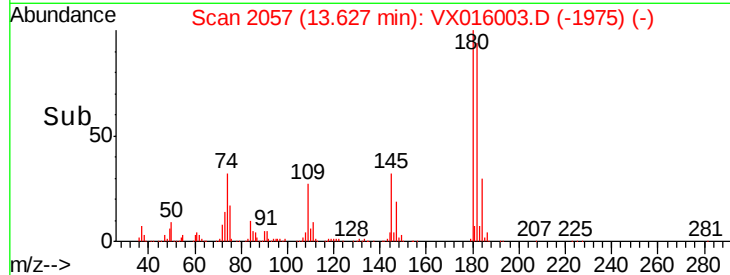
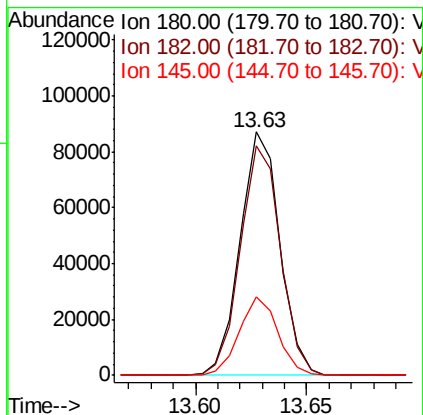
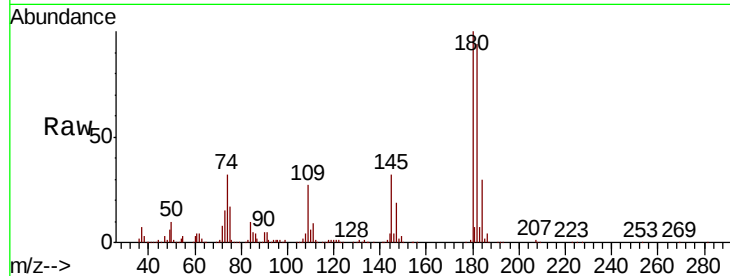




#89
 1,2,4-Trichlorobenzene
 Concen: 17.472 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

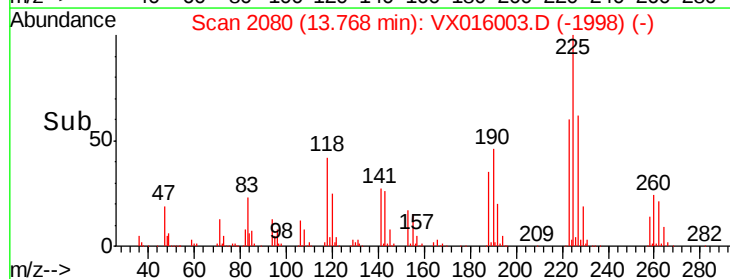
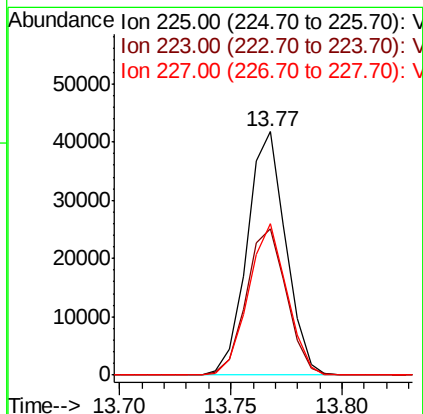
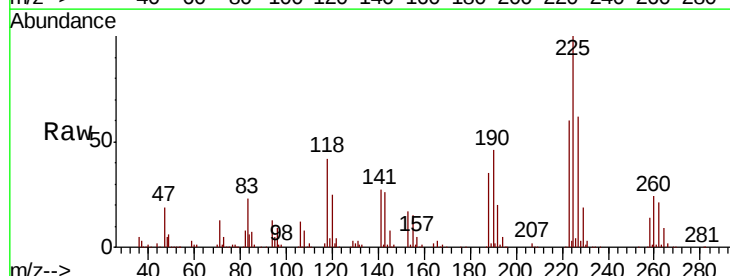
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

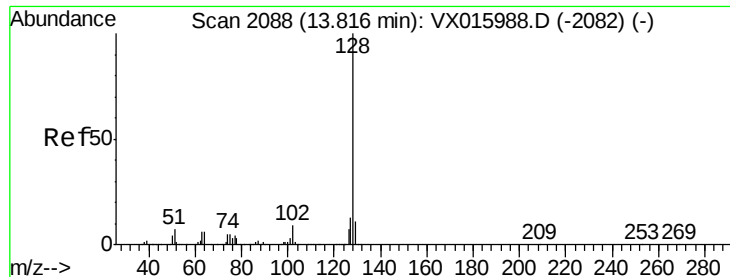
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.0	112.6
145	31.1	23.9	35.9



#90
 Hexachlorobutadiene
 Concen: 18.983 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	123.6
227	61.6	0.0	123.6





#91

Naphthalene

Concen: 18.032 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

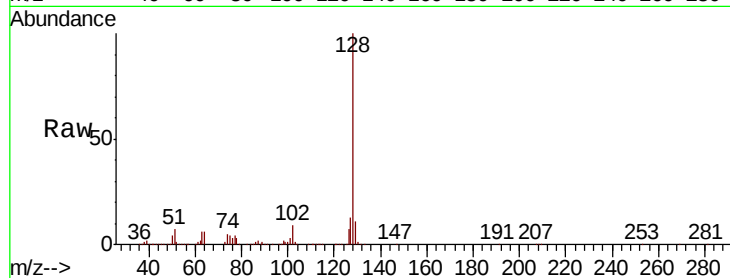
Tot Ion:128 Resp: 356654

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

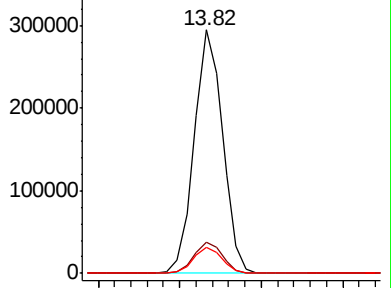
129 10.7 8.6 13.0



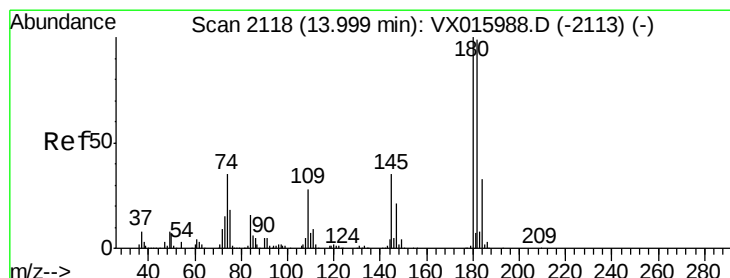
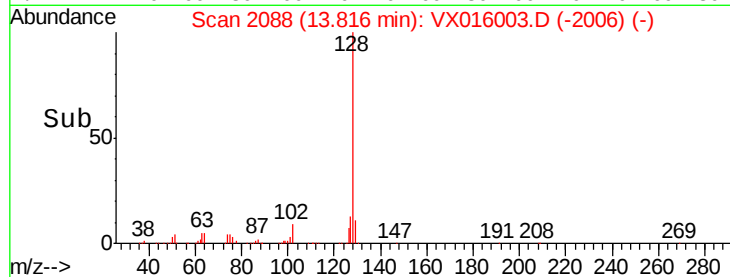
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 13.75 13.80 13.85 13.90



#92

1,2,3-Trichlorobenzene

Concen: 17.636 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

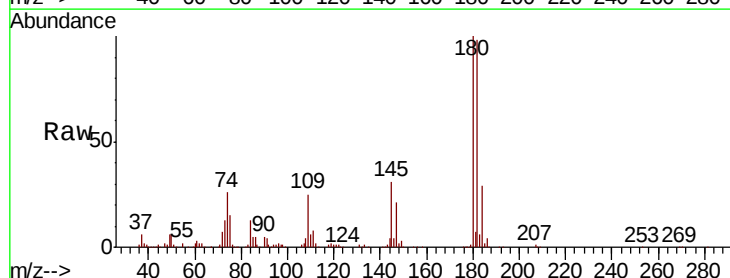
Tgt Ion:180 Resp: 105258

Ion Ratio Lower Upper

180 100

182 98.3 0.0 197.2

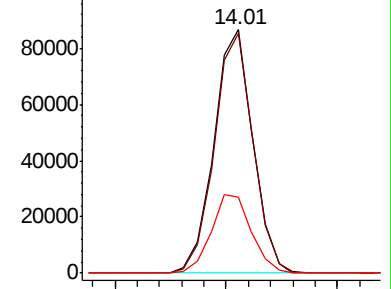
145 33.3 0.0 66.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time--> 13.95 14.00 14.05

