

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016026.D
 Acq On : 01 May 2020 20:49
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 02 06:53:05 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	53645	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	296361	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	276336	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	122942	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	11.12	95	135332	29.20	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.33%
63) Toluene-d8	8.70	98	357720	30.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	67393	18.239	ug/l 98
3) Chloromethane	1.32	50	67911	18.758	ug/l 98
4) Vinyl Chloride	1.39	62	74708	18.163	ug/l 98
5) Bromomethane	1.63	94	49562	19.658	ug/l 97
6) Chloroethane	1.72	64	47865	17.751	ug/l 100
7) Trichlorofluoromethane	1.92	101	99673	16.918	ug/l 100
8) Diethyl Ether	2.17	74	40682	17.300	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	53562	17.604	ug/l 98
10) 1,1-Dichloroethene	2.36	96	56038	18.255	ug/l 99
11) Methyl Iodide	2.49	142	72582	17.320	ug/l 98
12) Methyl Acetate	2.75	43	105743	19.730	ug/l 99
13) Acrolein	2.28	56	37066	86.270	ug/l 100
14) Acrylonitrile	3.12	53	188486	95.211	ug/l 100
15) Acetone	2.42	58	52232	99.695	ug/l 96
16) Carbon Disulfide	2.55	76	168713	18.066	ug/l 99
17) Allyl chloride	2.71	41	102211	17.949	ug/l 95
18) Methylene Chloride	2.84	84	64263	18.688	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	60998	18.168	ug/l 99
20) Diisopropyl ether	3.82	45	201105	18.317	ug/l 90
21) 1,1-Dichloroethane	3.67	63	111245	18.171	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	70352	18.465	ug/l 95
23) tert-Butyl Alcohol	3.01	59	92174	95.116	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	203907	18.497	ug/l 96
25) Chloroform	5.18	83	111709	17.966	ug/l 94
26) Cyclohexane	5.56	56	99404	17.756	ug/l # 99
29) 1,1-Dichloropropene	5.78	75	83064	17.821	ug/l 99
30) 2-Butanone	4.64	43	266789	96.059	ug/l 99
31) 2,2-Dichloropropane	4.56	77	87268	15.557	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	100142	17.711	ug/l 100
33) Carbon Tetrachloride	5.76	117	88650	17.609	ug/l 98
34) Benzene	6.12	78	251652	18.484	ug/l 98
35) Methacrylonitrile	5.01	41	55708	18.887	ug/l 98
36) 1,2-Dichloroethane	6.17	62	93506	17.985	ug/l 100
37) Trichloroethene	7.20	130	86143	17.786	ug/l 98
38) Methylcyclohexane	7.45	83	98655	17.320	ug/l 99
39) 1,2-Dichloropropane	7.49	63	64743	18.526	ug/l 100
40) Dibromomethane	7.64	93	43726	18.019	ug/l 99

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 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)
41) Bromodichloromethane	7.88	83	89432	17.877	ug/l	99
42) Vinyl Acetate	3.79	43	832920	90.648	ug/l	100
43) Ethyl Acetate	4.80	43	102694	18.745	ug/l	99
44) Isopropyl Acetate	6.42	43	164078	18.455	ug/l	99
45) 1,4-Dioxane	7.71	88	34827	370.857	ug/l	98
46) Methyl methacrylate	7.75	41	77080	18.288	ug/l	96
47) n-amyl Acetate	10.88	43	136224	17.523	ug/l	97
48) t-1,3-Dichloropropene	9.02	75	102271	17.605	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	106578	17.757	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	61955	18.117	ug/l	96
51) Ethyl methacrylate	9.16	69	102232	18.104	ug/l	95
52) 1,3-Dichloropropane	9.35	76	109646	18.548	ug/l	99
53) Dibromochloromethane	9.57	129	68060	17.494	ug/l	99
54) 1,2-Dibromoethane	9.65	107	67921	18.072	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	265317	86.363	ug/l	99
56) Bromoform	10.84	173	48649	16.596	ug/l	97
58) 4-Methyl-2-Pentanone	8.62	43	507534	93.135	ug/l	99
59) 2-Hexanone	9.48	43	390550	92.784	ug/l	98
61) Tetrachloroethene	9.32	164	96477	17.650	ug/l	96
62) Toluene	8.77	91	266813	18.073	ug/l	100
64) Chlorobenzene	10.12	112	166314	17.693	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	61543	17.246	ug/l	97
66) Ethyl Benzene	10.24	91	301086	17.910	ug/l	99
67) m/p-Xylenes	10.34	106	225482	35.209	ug/l	99
68) o-Xylene	10.68	106	108280	17.534	ug/l	99
69) Styrene	10.70	104	183781	17.388	ug/l	99
70) Isopropylbenzene	11.01	105	288593	17.309	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	59736	19.272	ug/l	97
72) 1,2,3-Trichloropropane	11.28	75	123024	24.506	ug/l	83
73) Bromobenzene	11.24	156	73245	17.433	ug/l	99
74) n-propylbenzene	11.35	91	333494	17.220	ug/l	100
75) 2-Chlorotoluene	11.41	91	198321	17.426	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	243945	17.236	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	36280	16.807	ug/l	97
78) 4-Chlorotoluene	11.49	91	232675	17.272	ug/l	100
79) tert-butylbenzene	11.76	119	209434	17.327	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	244819	17.315	ug/l	100
81) sec-Butylbenzene	11.93	105	276577	16.965	ug/l	100
82) p-Isopropyltoluene	12.05	119	251602	16.654	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	130553	17.235	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	131595	17.483	ug/l	100
85) n-Butylbenzene	12.37	91	224928	16.299	ug/l	99
86) Hexachloroethane	12.58	117	44179	16.611	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	127838	17.449	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	23217	17.901	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	92166	17.080	ug/l	100
90) Hexachlorobutadiene	13.77	225	38845	16.749	ug/l	97
91) Naphthalene	13.82	128	308064	17.932	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	91558	17.661	ug/l	96

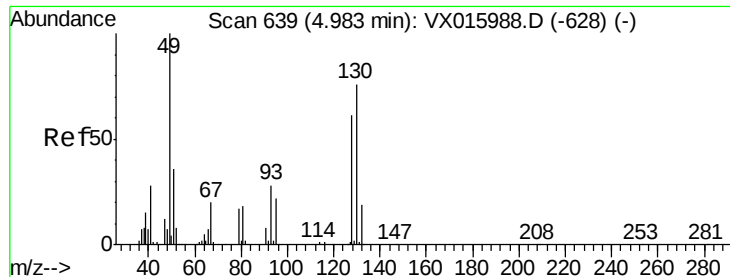
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

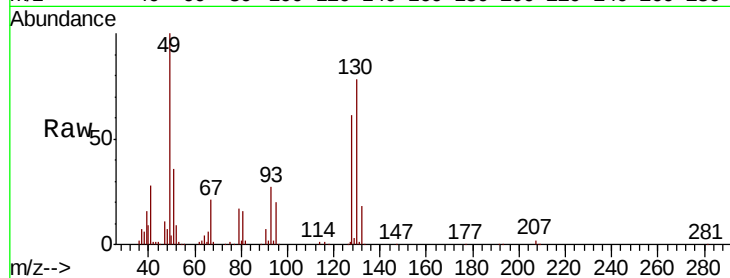
Tot Ion:128 Resp: 53645

Ion Ratio Lower Upper

128 100

49 164.7 0.0 418.5

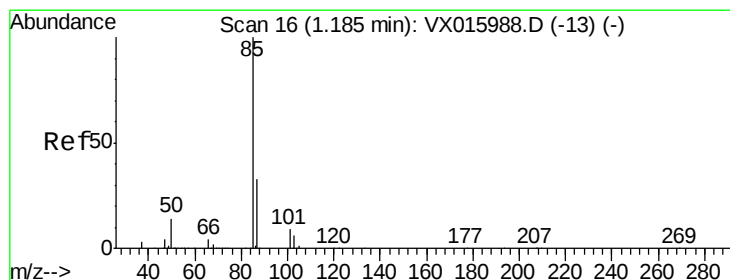
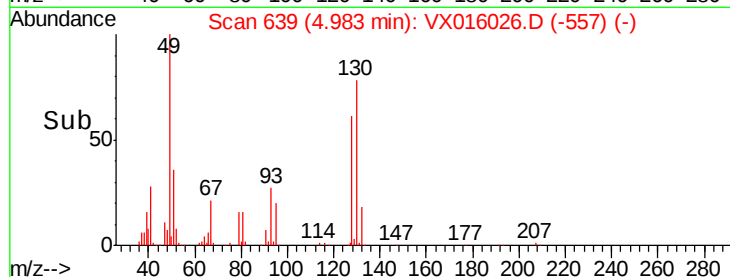
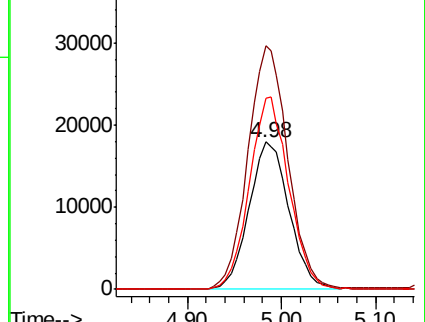
130 127.6 0.0 326.3



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: 18.239 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016026.D

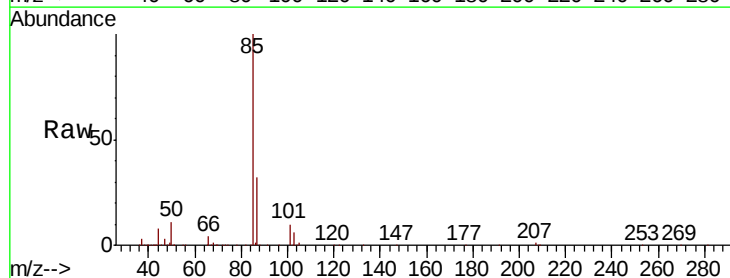
Acq: 01 May 2020 20:49

Tgt Ion: 85 Resp: 67393

Ion Ratio Lower Upper

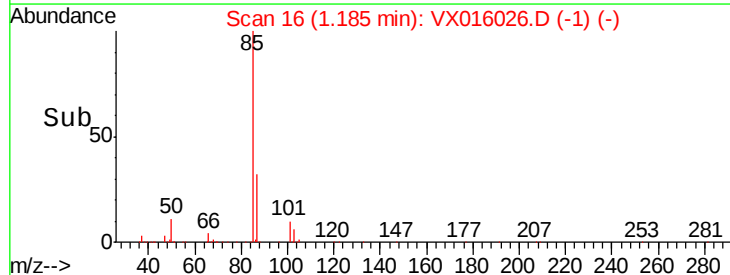
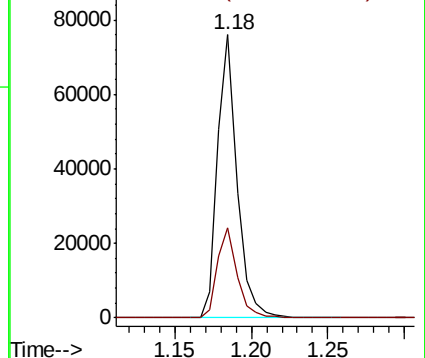
85 100

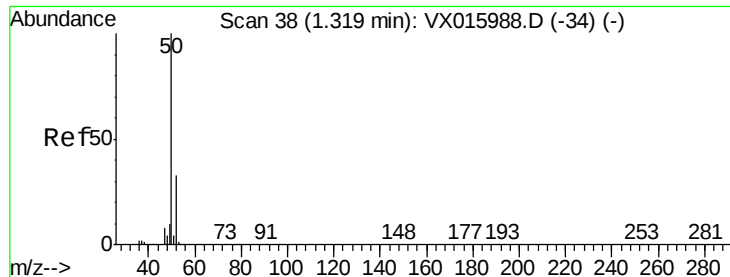
87 31.8 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.758 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

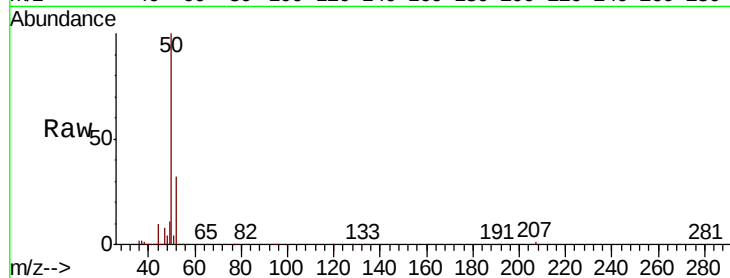
VSTDCCC020EC

Tot Ion: 50 Resp: 67911

Ion Ratio Lower Upper

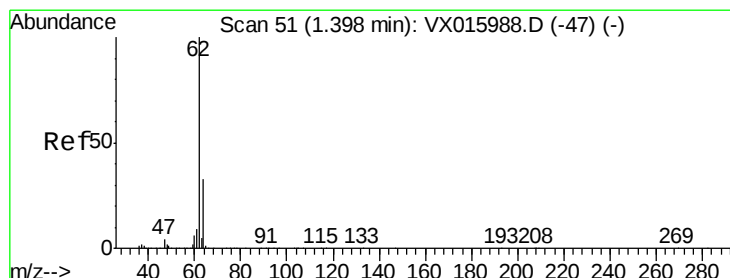
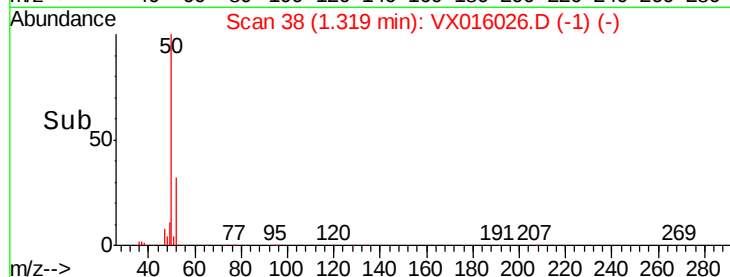
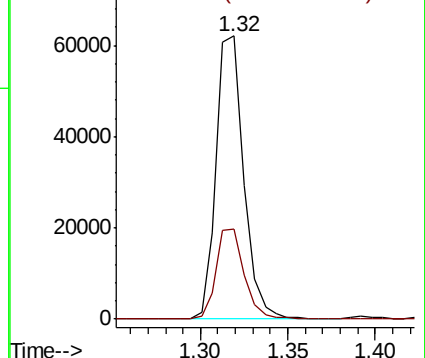
50 100

52 31.9 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: 18.163 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX016026.D

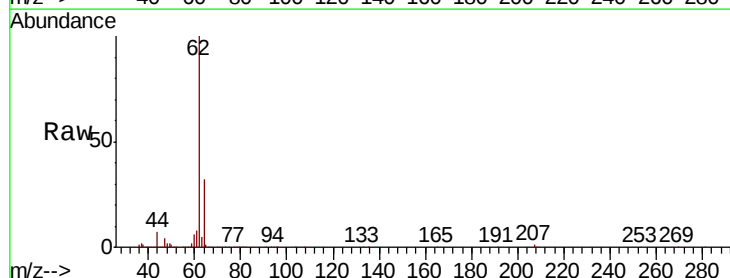
Acq: 01 May 2020 20:49

Tgt Ion: 62 Resp: 74708

Ion Ratio Lower Upper

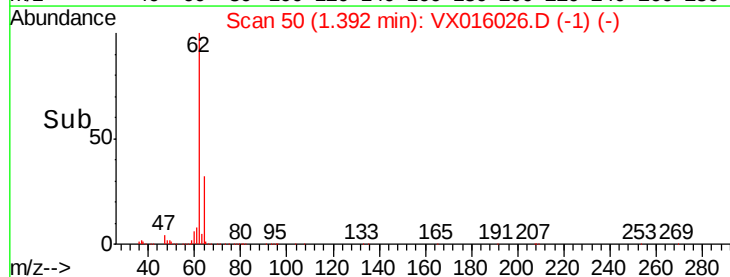
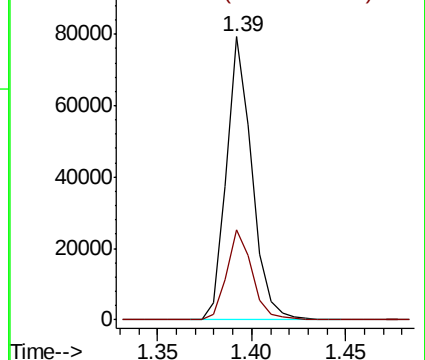
62 100

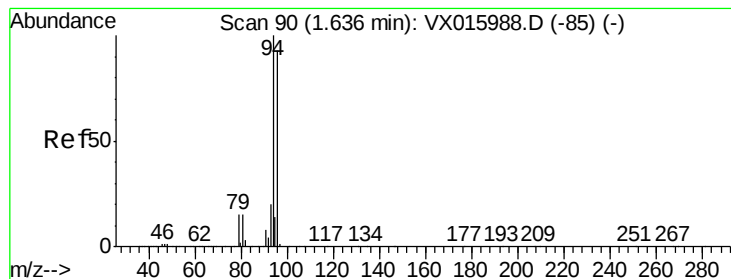
64 31.8 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 19.658 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

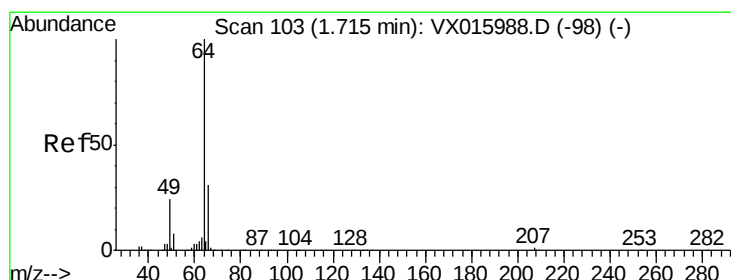
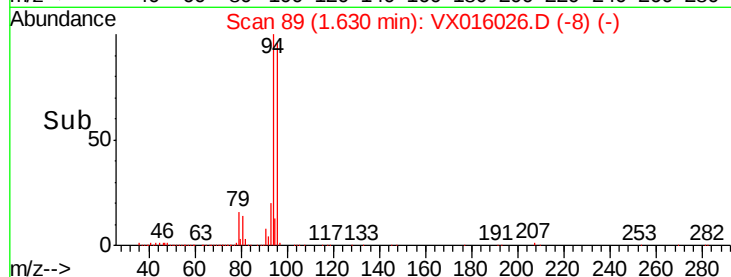
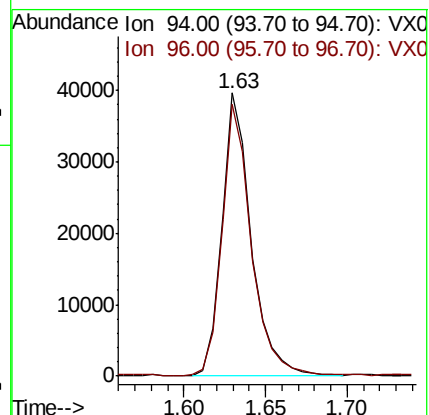
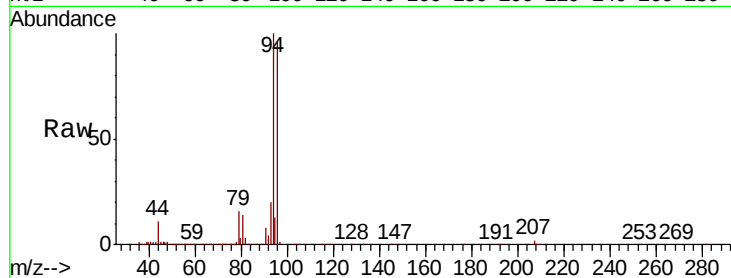
VSTDCCC020EC

Tot Ion: 94 Resp: 49562

Ion Ratio Lower Upper

94 100

96 95.9 74.2 111.2



#6

Chloroethane

Concen: 17.751 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX016026.D

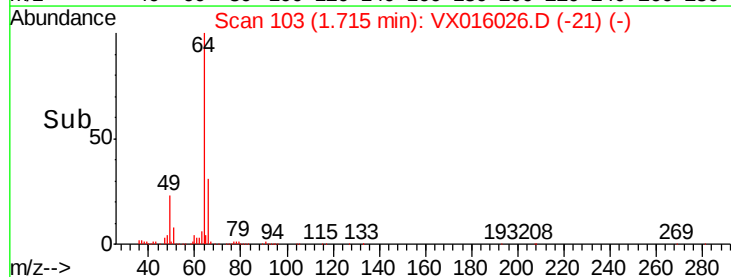
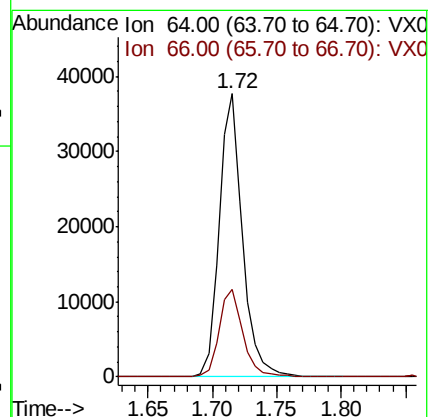
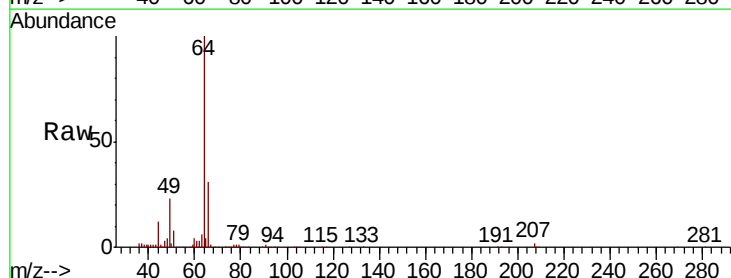
Acq: 01 May 2020 20:49

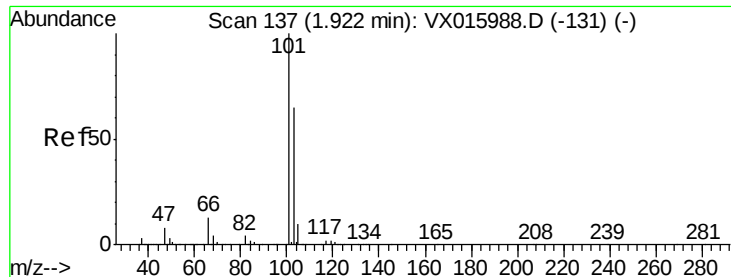
Tgt Ion: 64 Resp: 47865

Ion Ratio Lower Upper

64 100

66 30.9 24.9 37.3



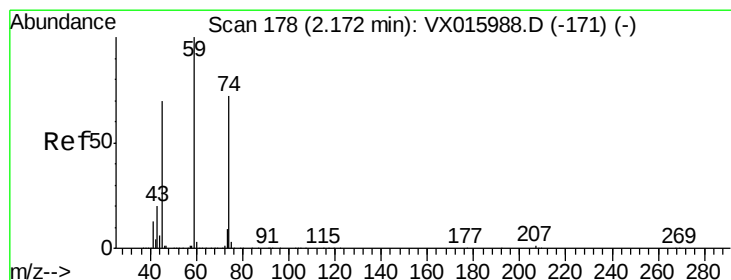
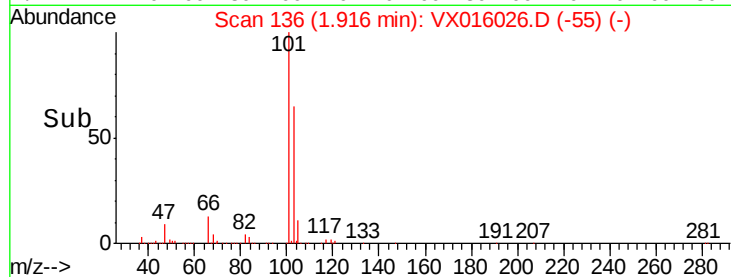
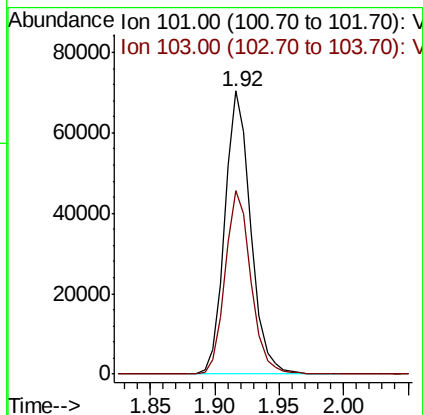
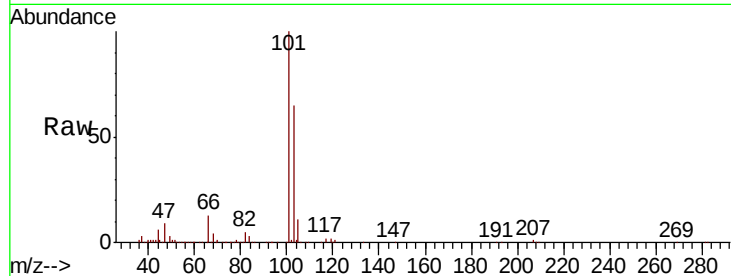


#7

Trichlorofluoromethane
 Concen: 16.918 ug/l
 RT: 1.92 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Instrument :
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 ClientSampleId :
 VSTDCCC020EC

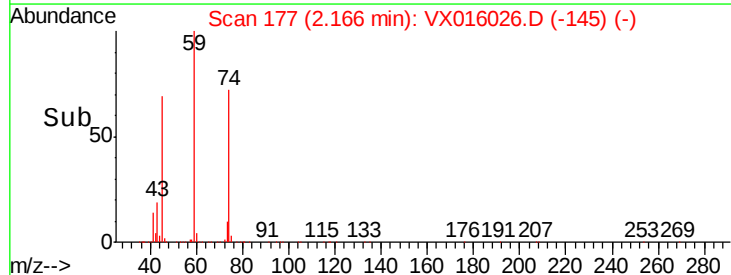
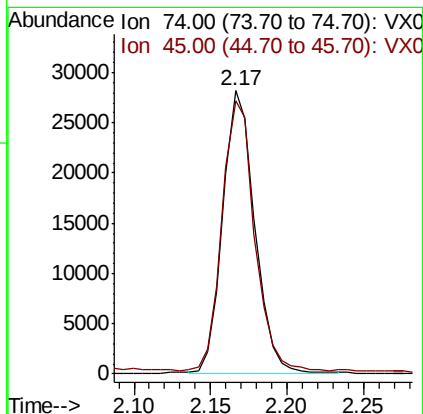
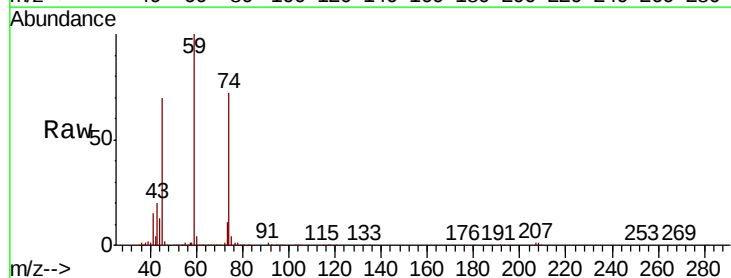
Tot Ion:101 Resp: 99673
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.8 77.8

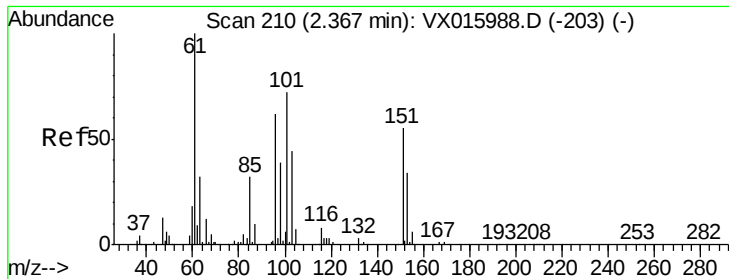


#8

Diethyl Ether
 Concen: 17.300 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Tgt Ion: 74 Resp: 40682
 Ion Ratio Lower Upper
 74 100
 45 97.1 19.4 174.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.604 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

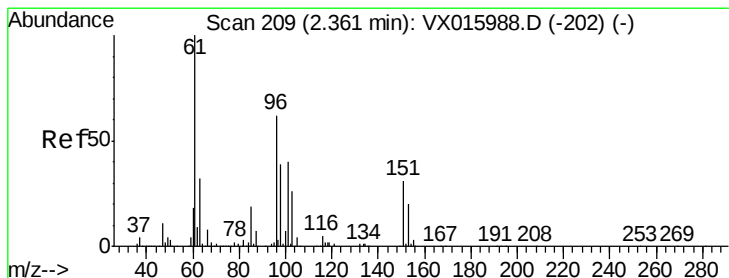
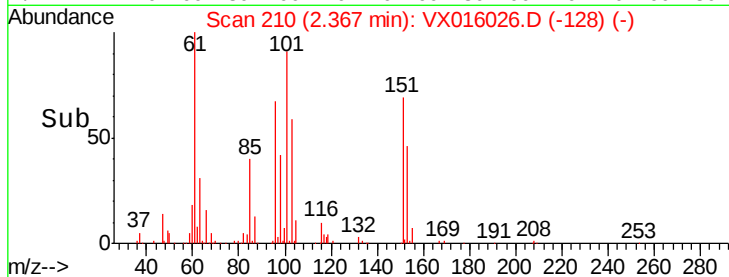
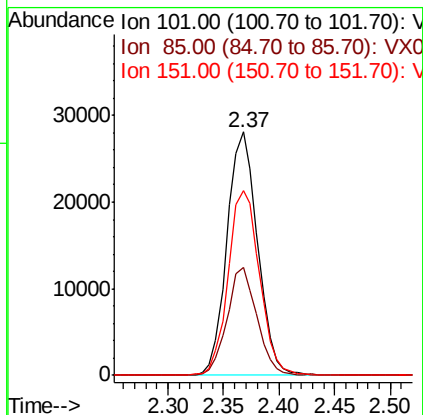
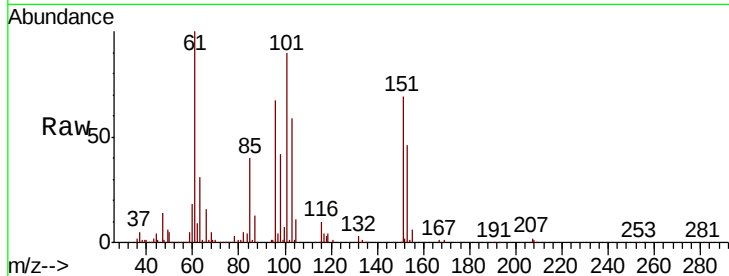
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	53562
Ion	Ratio	Lower	Upper
101	100		
85	43.1	0.0	90.6
151	77.7	0.0	157.0



#10

1,1-Dichloroethene

Concen: 18.255 ug/l

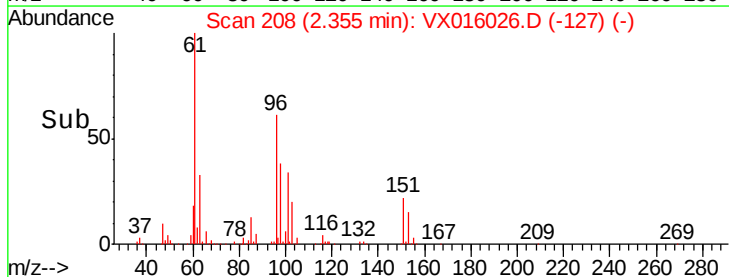
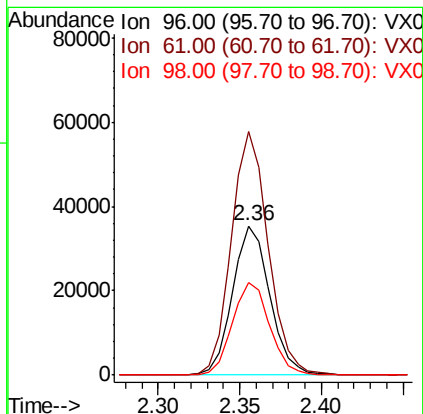
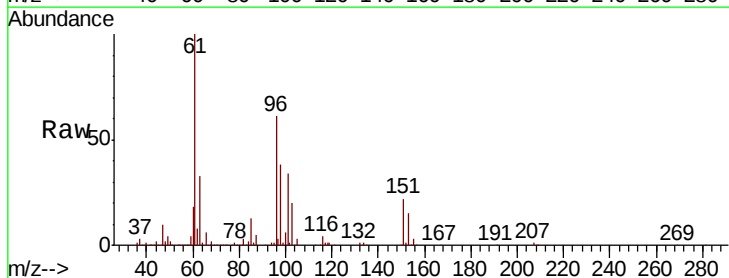
RT: 2.36 min Scan# 208

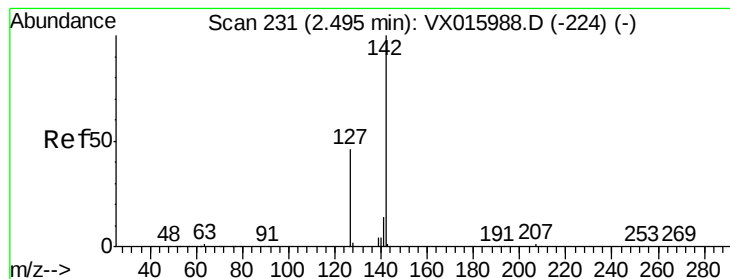
Delta R.T. -0.01 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Tgt Ion:	96	Resp:	56038
Ion	Ratio	Lower	Upper
96	100		
61	163.4	129.8	194.8
98	62.0	51.1	76.7





#11

Methvl Iodide

Concen: 17.320 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

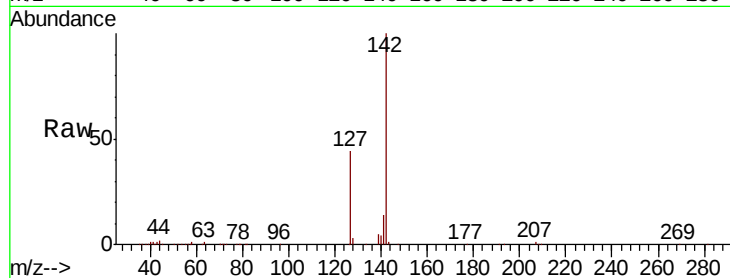
Tot Ion:142 Resp: 72582

Ion Ratio Lower Upper

142 100

127 44.0 22.8 68.4

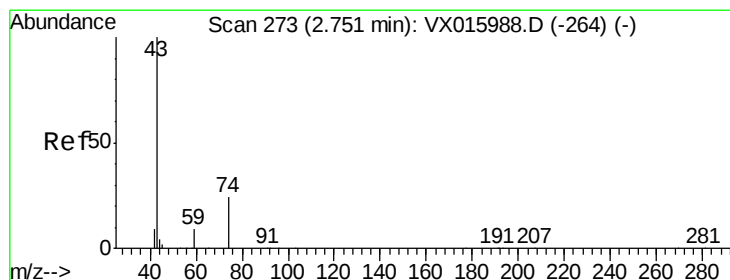
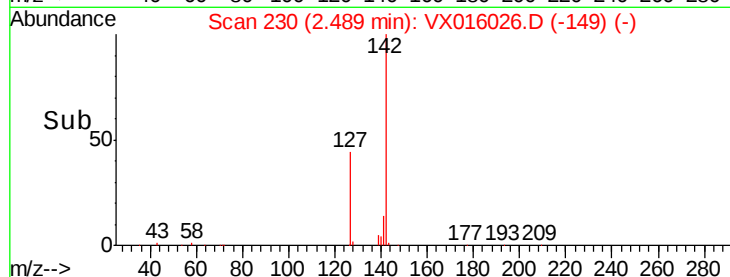
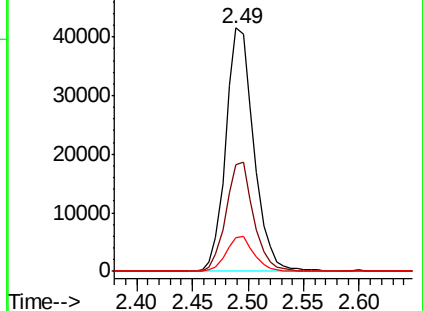
141 13.7 7.0 21.1



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 19.730 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX016026.D

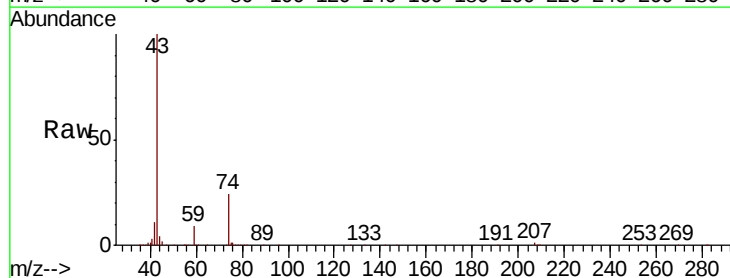
Acq: 01 May 2020 20:49

Tgt Ion: 43 Resp: 105743

Ion Ratio Lower Upper

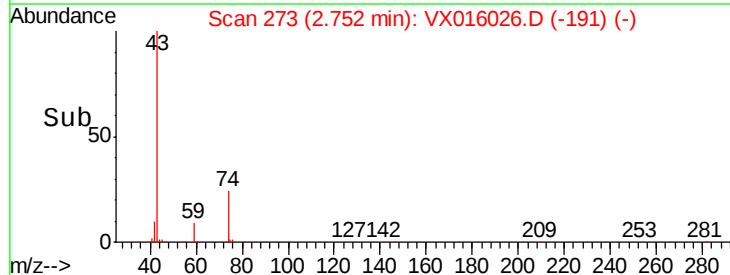
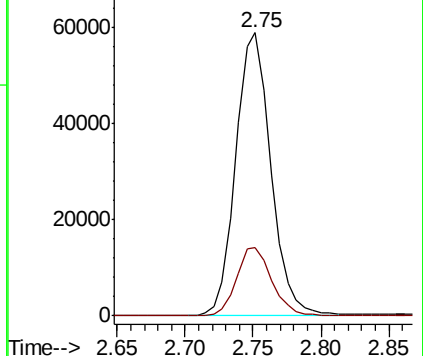
43 100

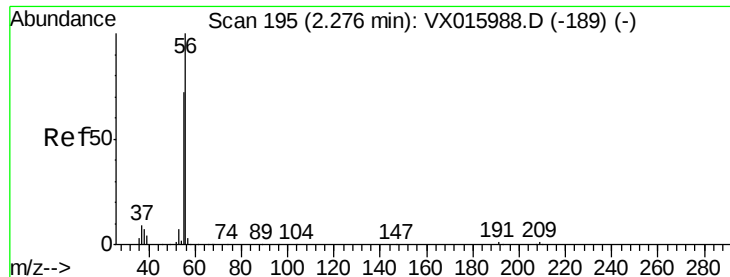
74 24.1 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 86.270 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

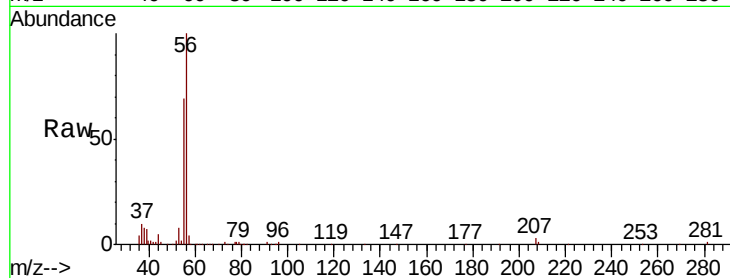
VSTDCCC020EC

Tot Ion: 56 Resp: 37066

Ion Ratio Lower Upper

56 100

55 70.6 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

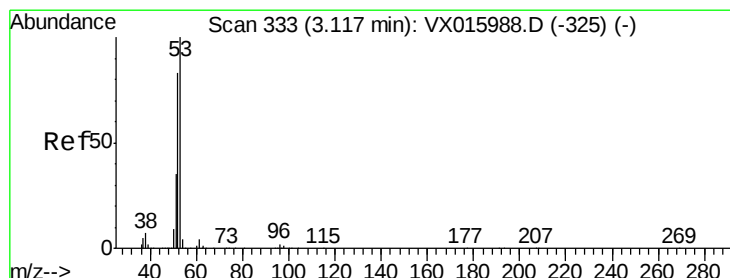
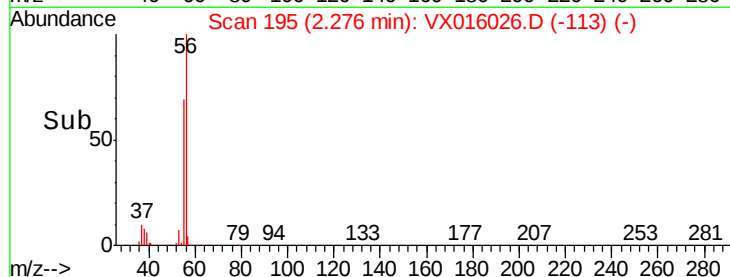
10000

5000

0

2.20 2.25 2.30 2.35 2.40

Time-->



#14

Acrylonitrile

Concen: 95.211 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

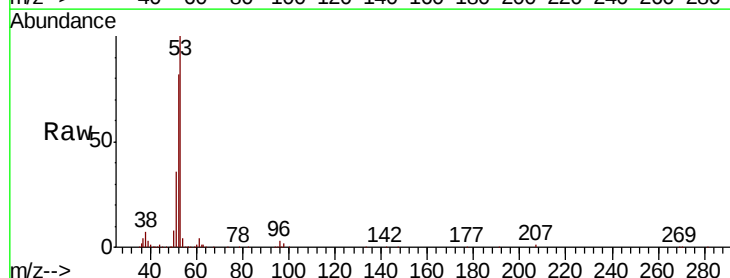
Tgt Ion: 53 Resp: 188486

Ion Ratio Lower Upper

53 100

52 82.5 41.2 123.6

51 36.1 17.8 53.5



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

120000

100000

80000

60000

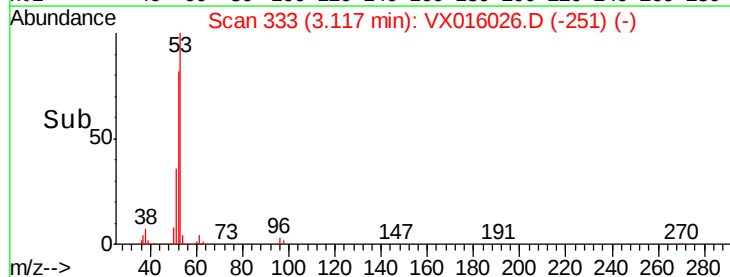
40000

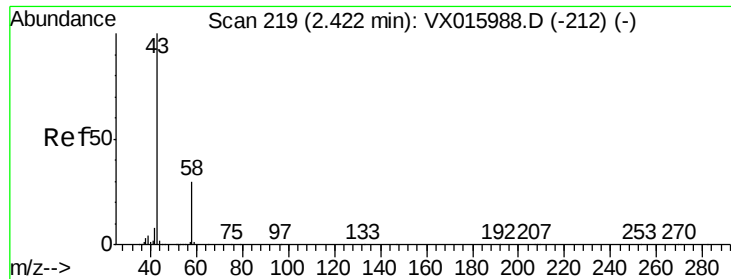
20000

0

3.00 3.10 3.20

Time-->





#15

Acetone

Concen: 99.695 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

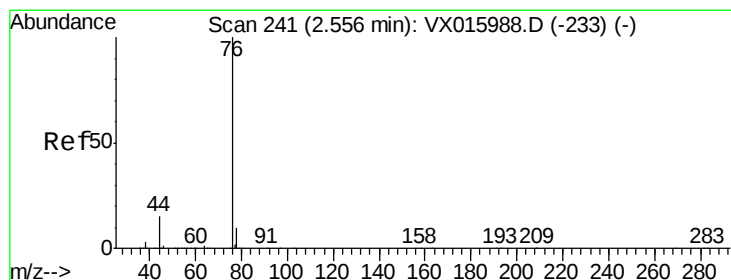
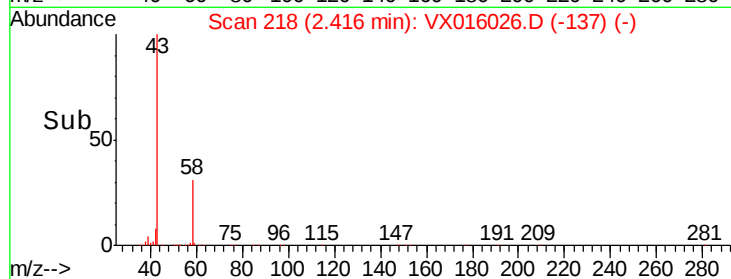
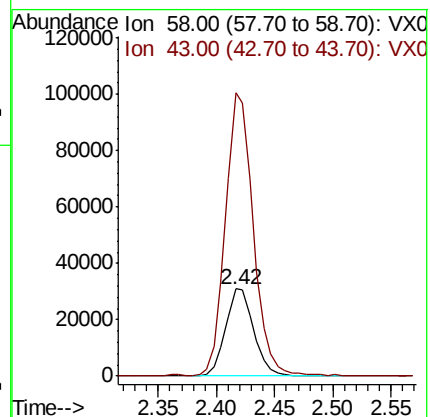
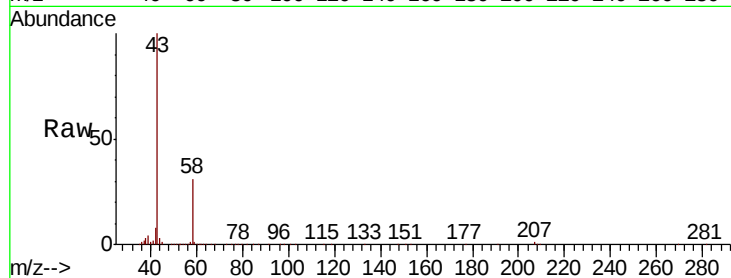
VSTDCCC020EC

Tot Ion: 58 Resp: 52232

Ion Ratio Lower Upper

58 100

43 322.9 264.2 396.2



#16

Carbon Disulfide

Concen: 18.066 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX016026.D

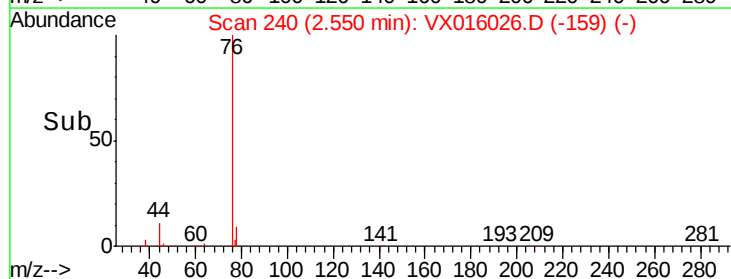
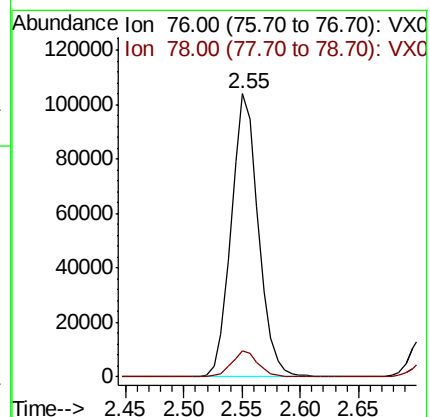
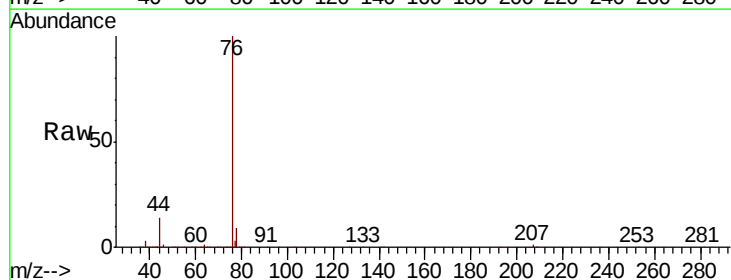
Acq: 01 May 2020 20:49

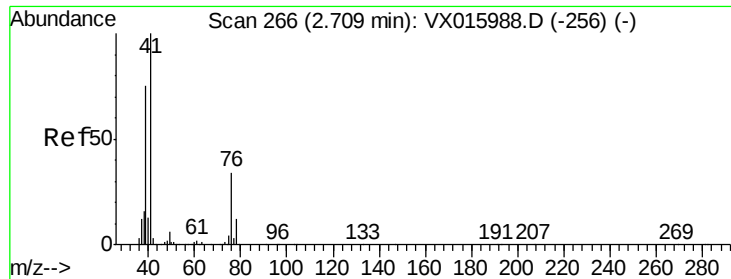
Tgt Ion: 76 Resp: 168713

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5

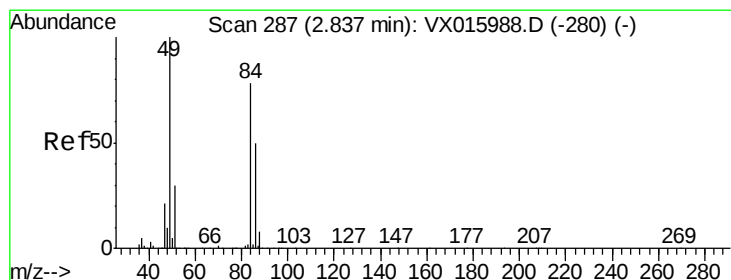
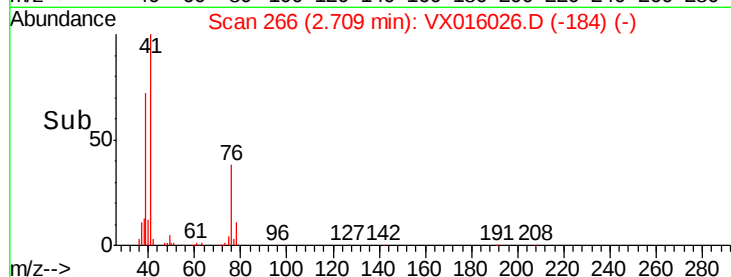
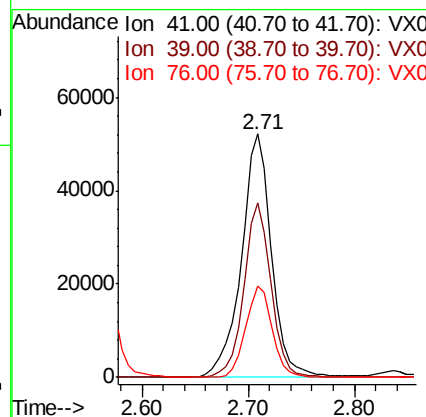
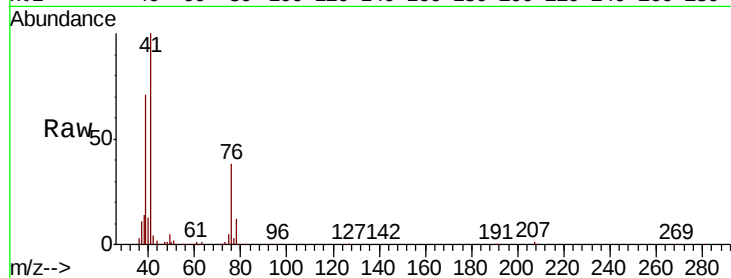




#17
 Allvl chloride
 Concen: 17.949 ug/l
 RT: 2.71 min Scan# 266
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

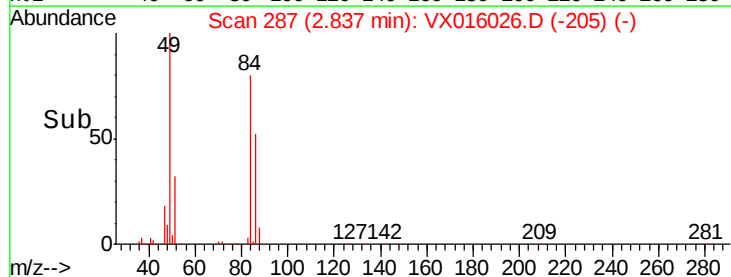
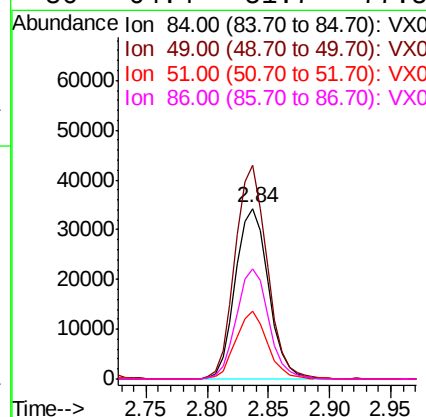
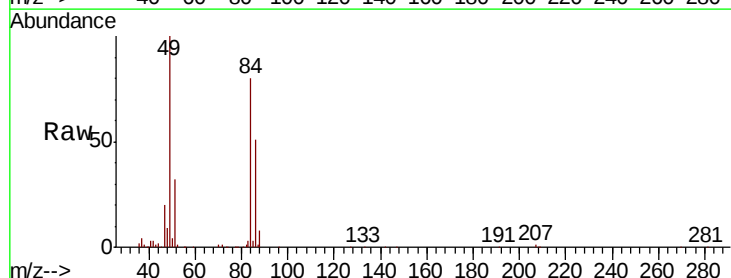
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

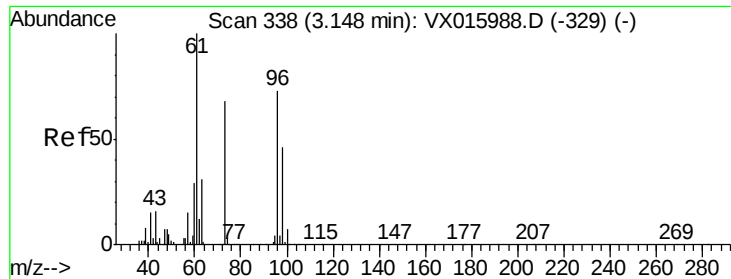
Tot Ion: 41 Resp: 102211
 Ion Ratio Lower Upper
 41 100
 39 71.5 37.6 112.8
 76 37.4 17.2 51.5



#18
 Methylene Chloride
 Concen: 18.688 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Tgt Ion: 84 Resp: 64263
 Ion Ratio Lower Upper
 84 100
 49 125.2 103.0 154.4
 51 39.8 31.4 47.0
 86 64.4 51.7 77.5

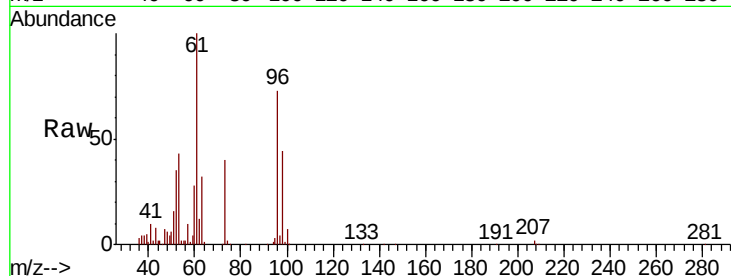




#19
trans-1,2-Dichloroethene
Concen: 18.168 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	109.0	163.4
98	60.9	50.0	75.0

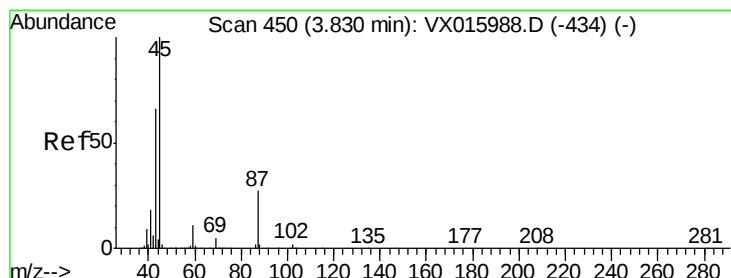
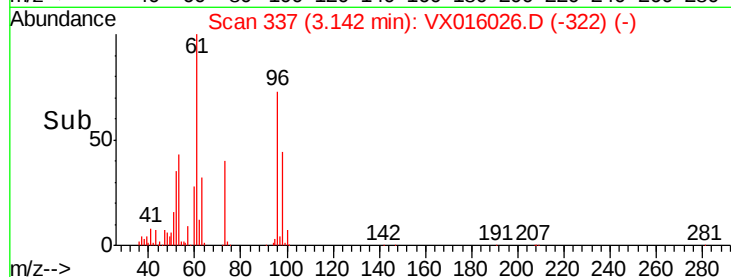
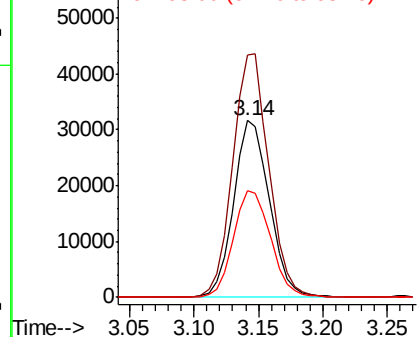


Abundance

Ion 96.00 (95.70 to 96.70): VX0

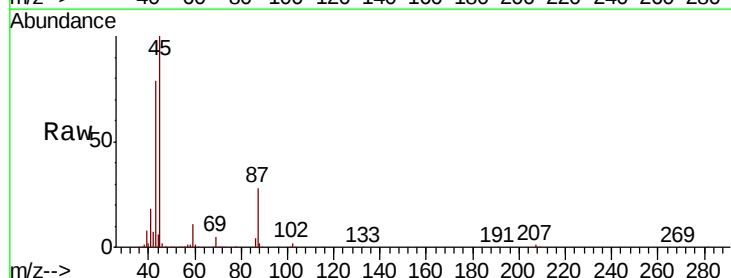
Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20
Diisopropyl ether
Concen: 18.317 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.01 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	78.7	53.0	79.4
87	27.7	21.9	32.9
59	11.4	9.1	13.7



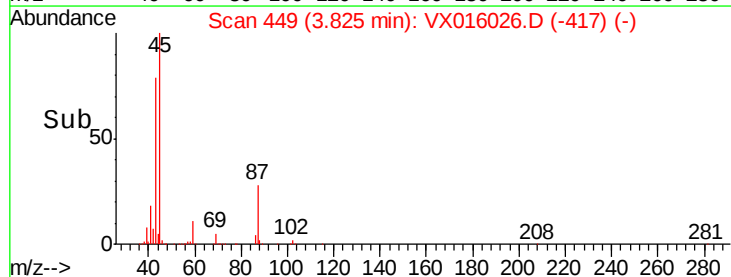
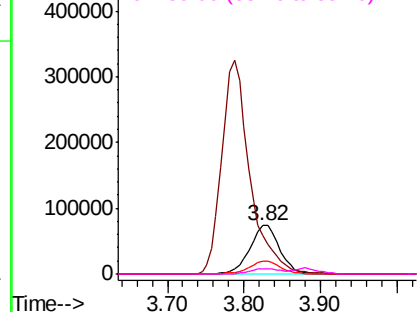
Abundance

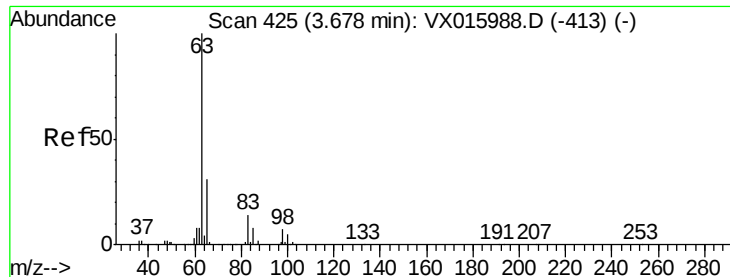
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

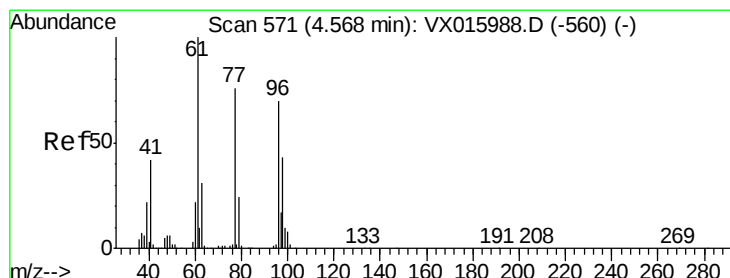
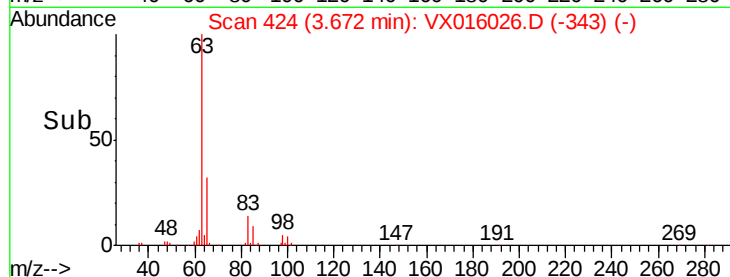
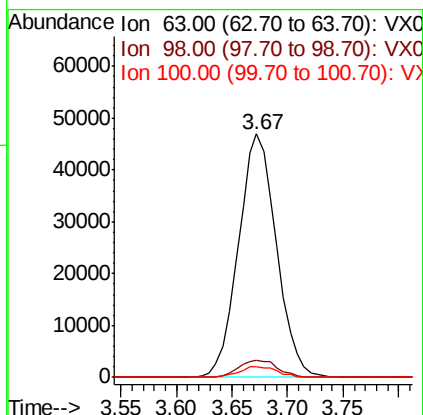
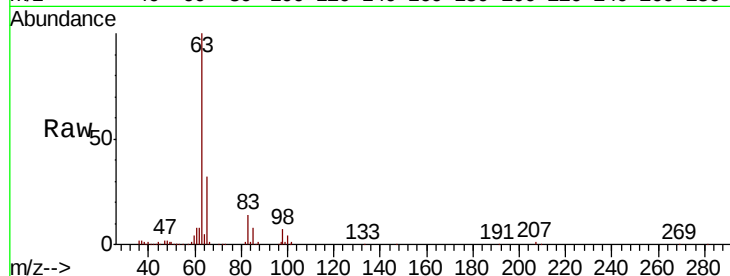




#21
 1,1-Dichloroethane
 Concen: 18.171 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. -0.01 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

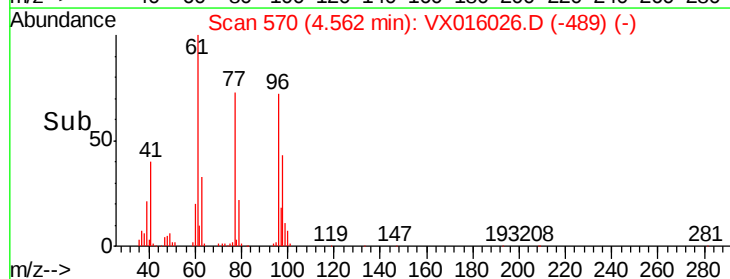
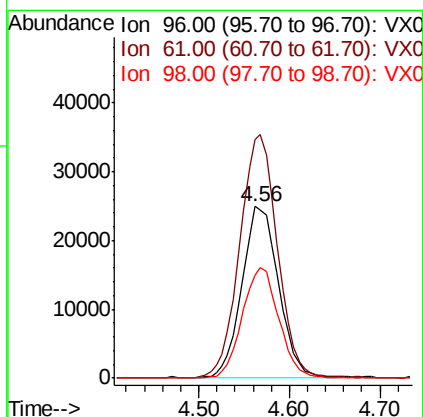
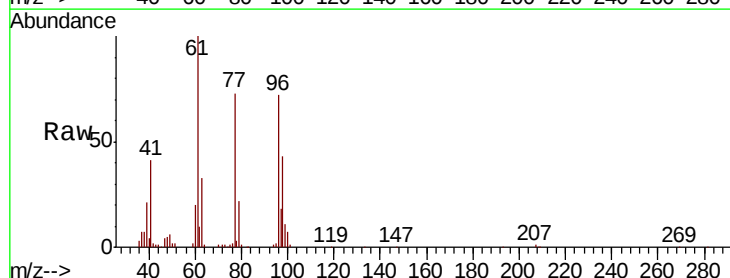
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

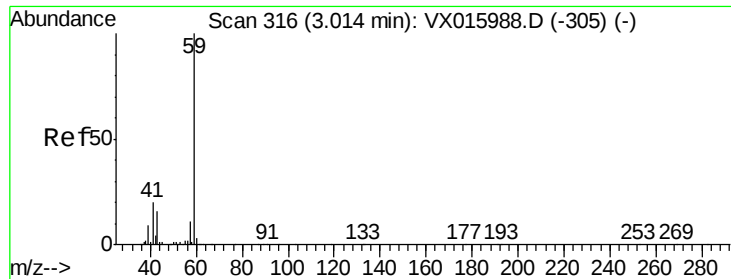
Tot Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.4
100	4.5	2.3	6.9



#22
 cis-1,2-Dichloroethene
 Concen: 18.465 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.8	121.6	182.4
98	63.4	51.9	77.9





#23

tert-Butyl Alcohol

Concen: 95.116 ug/l

RT: 3.01 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

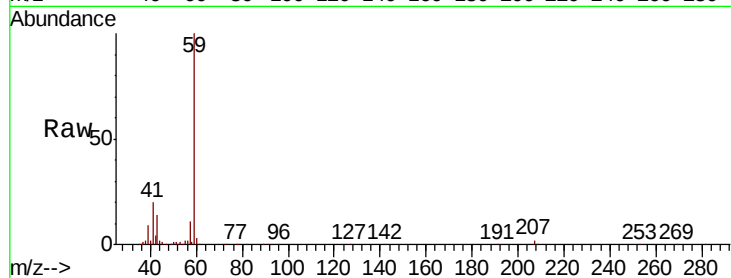
VSTDCCC020EC

Tot Ion: 59 Resp: 92174

Ion Ratio Lower Upper

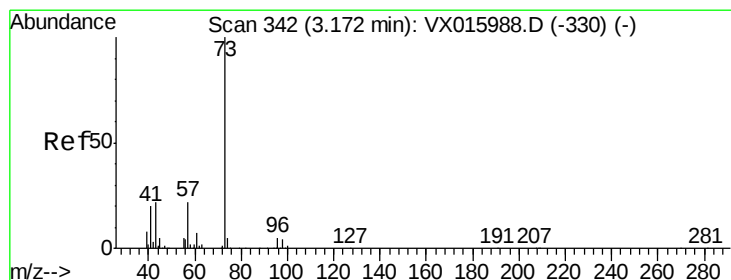
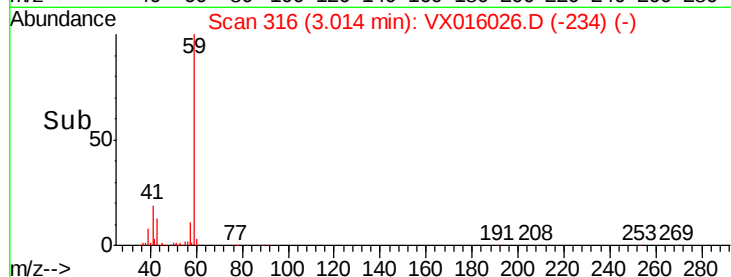
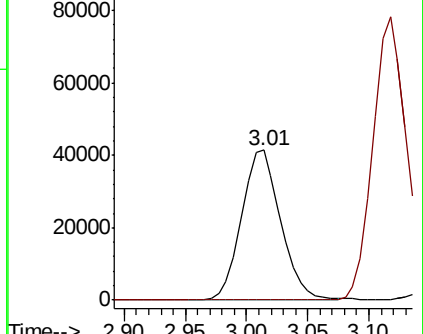
59 100

52 0.3 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 18.497 ug/l

RT: 3.17 min Scan# 341

Delta R.T. -0.01 min

Lab File: VX016026.D

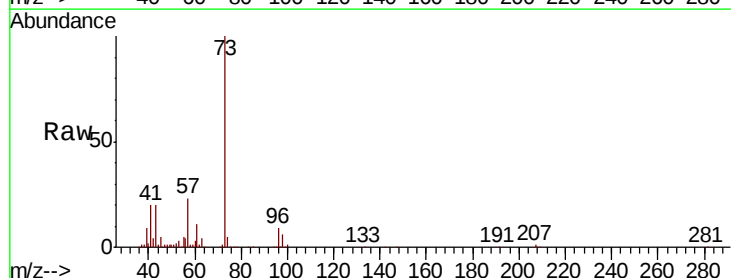
Acq: 01 May 2020 20:49

Tgt Ion: 73 Resp: 203907

Ion Ratio Lower Upper

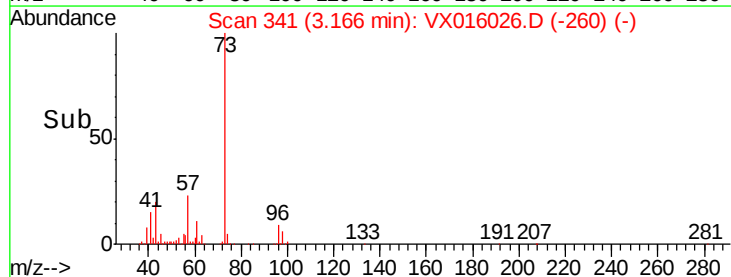
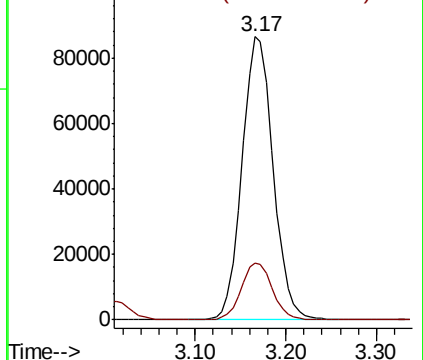
73 100

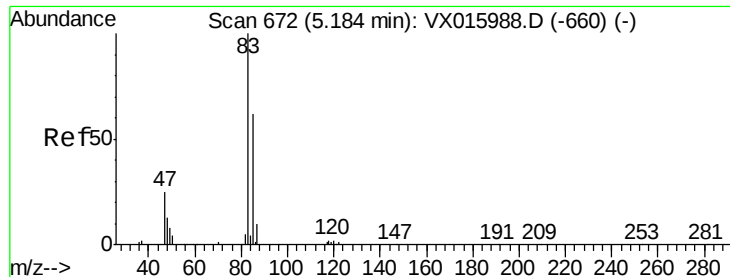
43 20.1 17.8 26.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

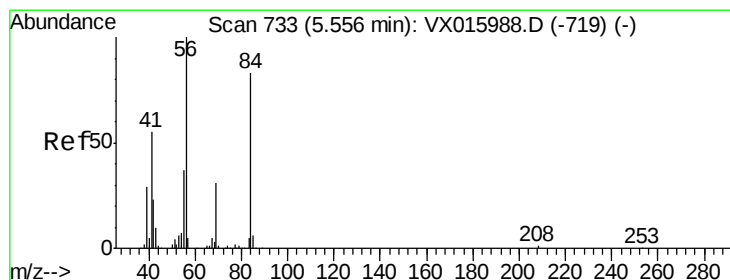
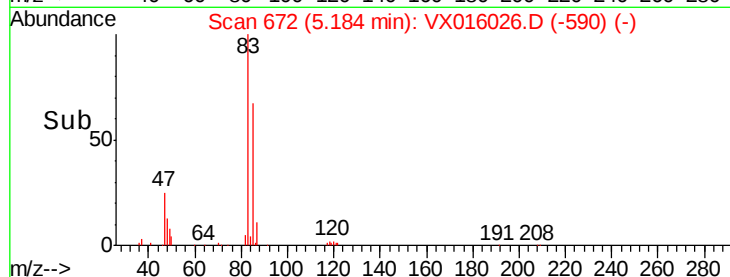
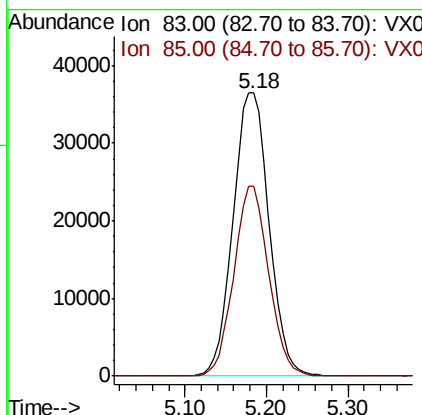
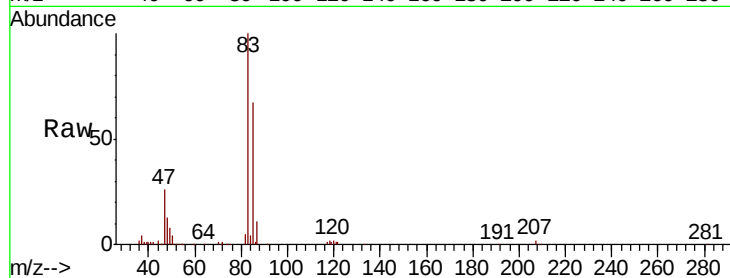




#25
Chloroform
Concen: 17.966 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.00 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

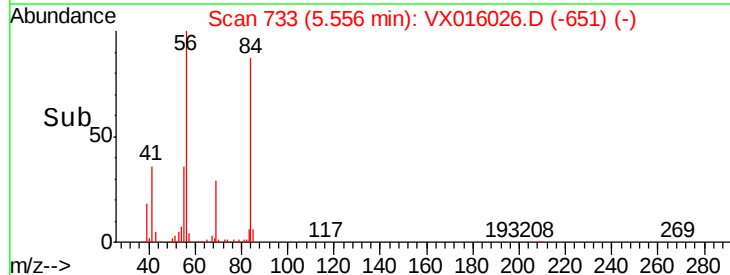
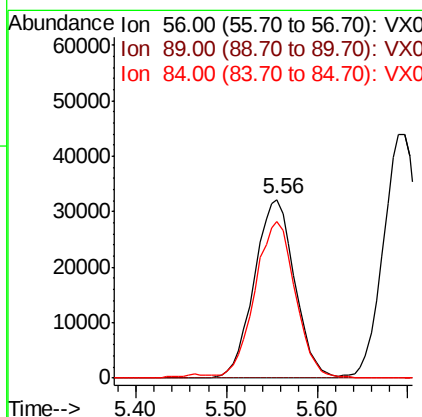
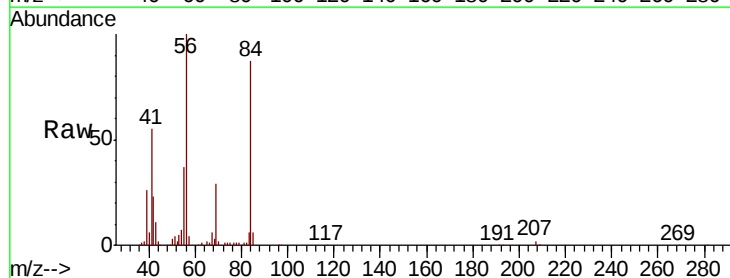
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

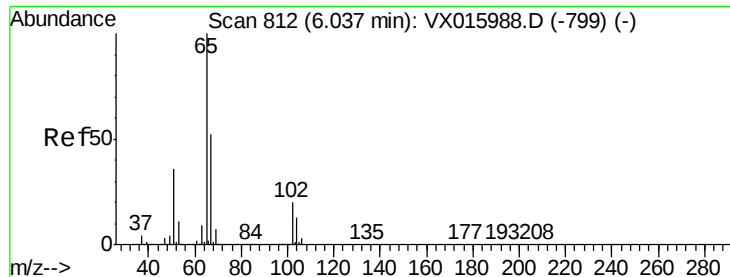
Tot Ion: 83 Resp: 111709
Ion Ratio Lower Upper
83 100
85 66.8 49.6 74.4



#26
Cyclohexane
Concen: 17.756 ug/l
RT: 5.56 min Scan# 733
Delta R.T. 0.00 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

Tgt Ion: 56 Resp: 99404
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 86.8 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 29.820 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

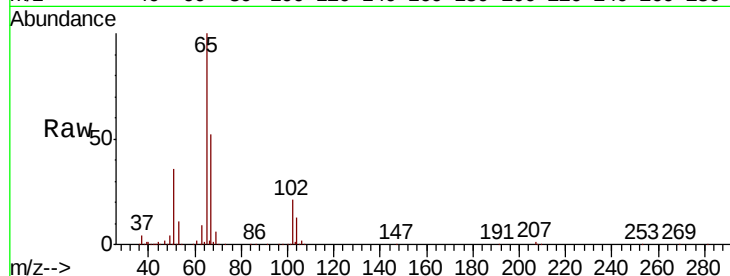
VSTDCCC020EC

Tot Ion: 65 Resp: 122942

Ion Ratio Lower Upper

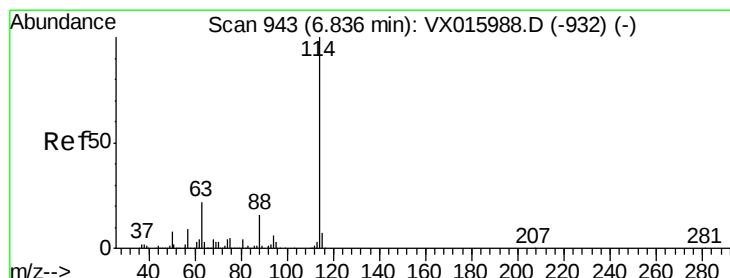
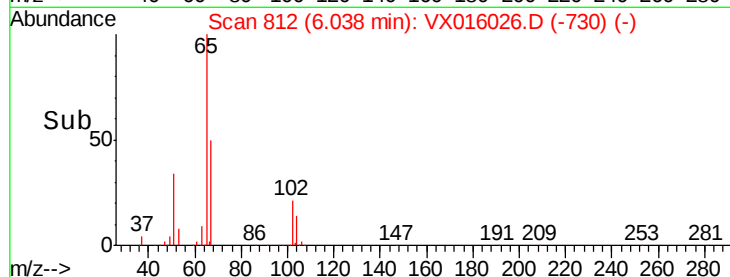
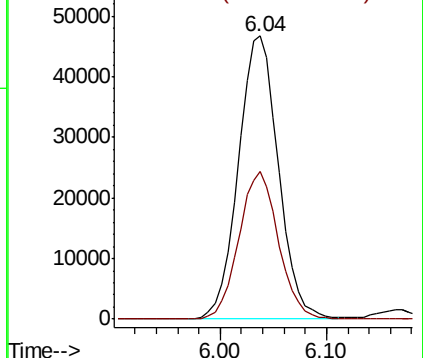
65 100

67 51.7 41.0 61.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

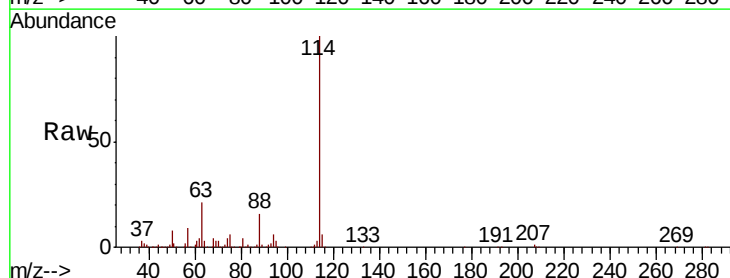
Tgt Ion: 114 Resp: 296361

Ion Ratio Lower Upper

114 100

63 21.4 17.1 25.7

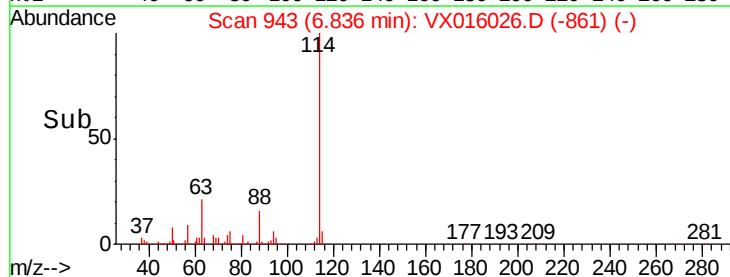
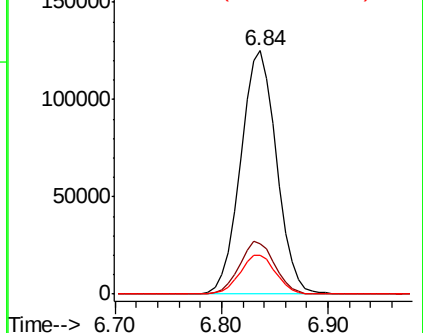
88 16.1 13.0 19.4

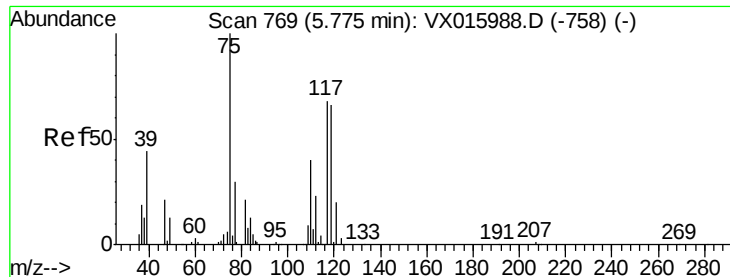


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 17.821 ug/l

RT: 5.78 min Scan# 769

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

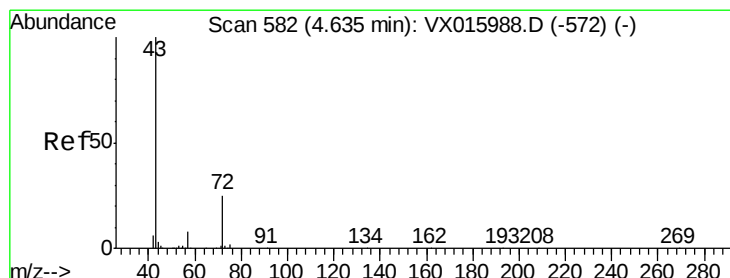
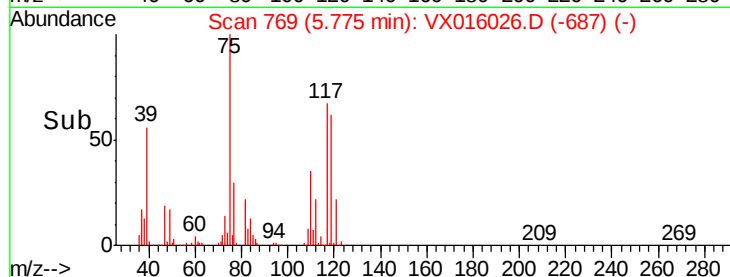
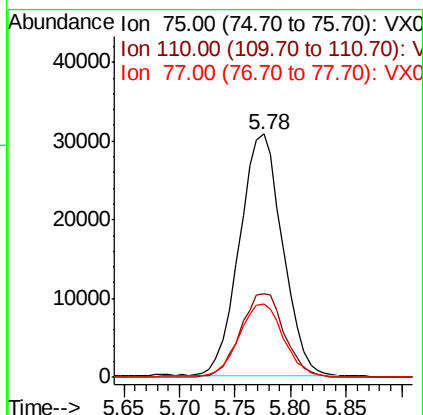
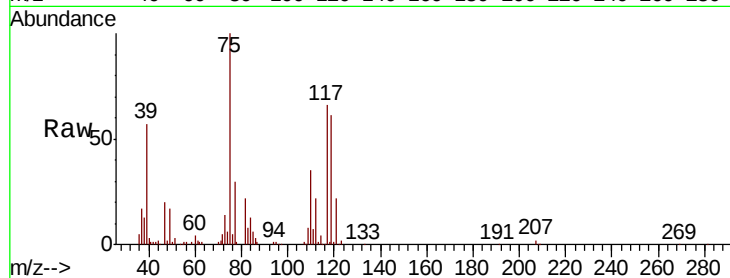
Tot Ion: 75 Resp: 83064

Ion Ratio Lower Upper

75 100

110 35.4 0.0 71.0

77 31.6 0.0 64.2



#30

2-Butanone

Concen: 96.059 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

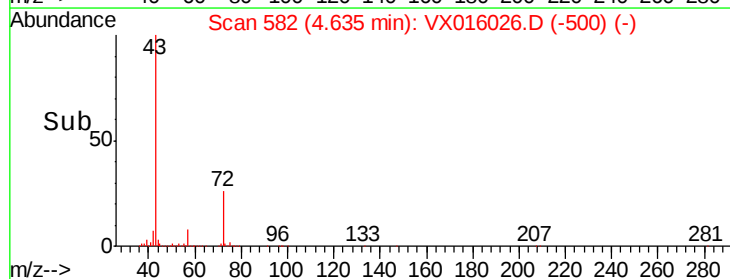
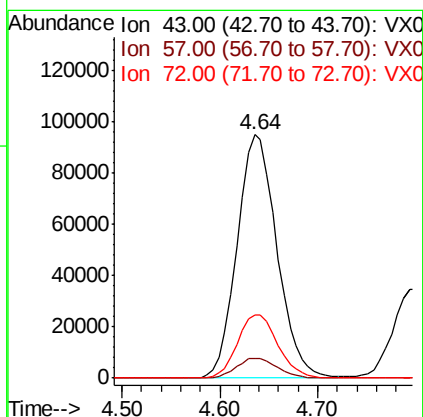
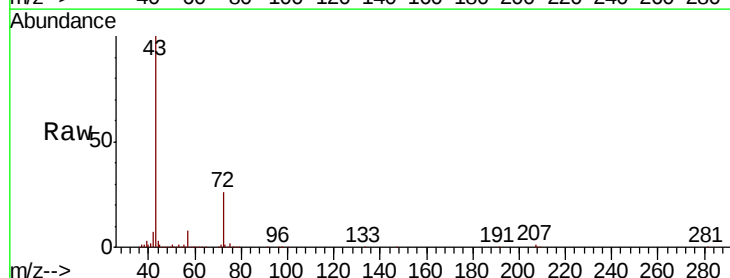
Tgt Ion: 43 Resp: 266789

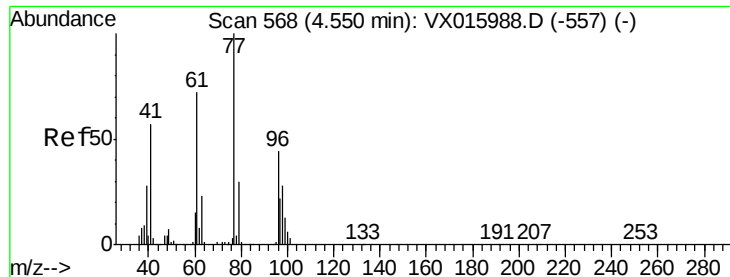
Ion Ratio Lower Upper

43 100

57 8.4 6.3 9.5

72 26.4 20.8 31.2





#31

2,2-Dichloropropane

Concen: 15.557 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

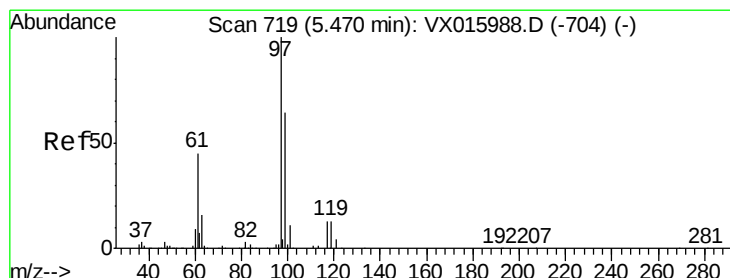
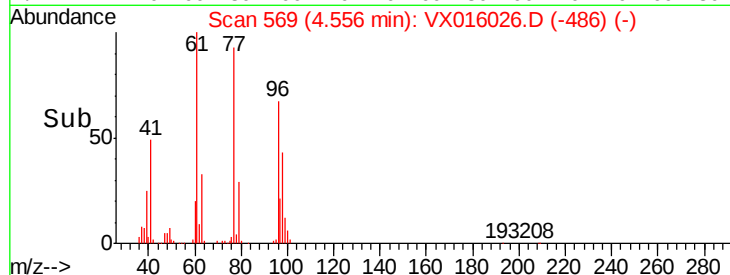
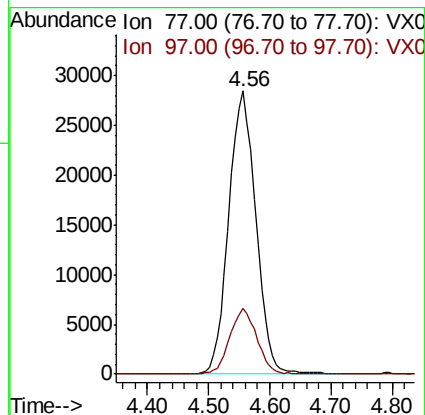
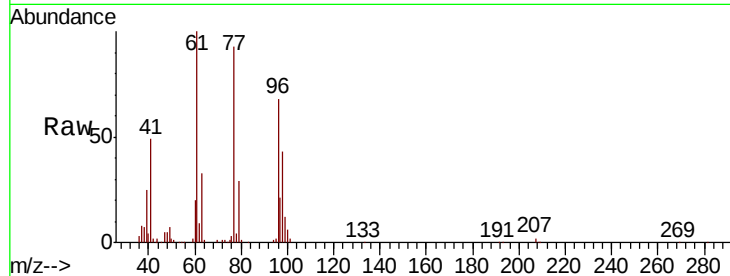
VSTDCCC020EC

Tot Ion: 77 Resp: 87268

Ion Ratio Lower Upper

77 100

97 22.9 17.8 26.8



#32

1,1,1-Trichloroethane

Concen: 17.711 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

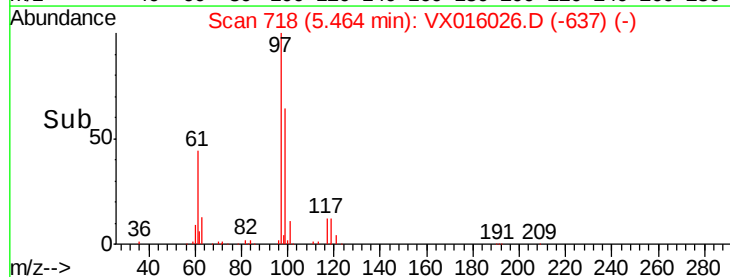
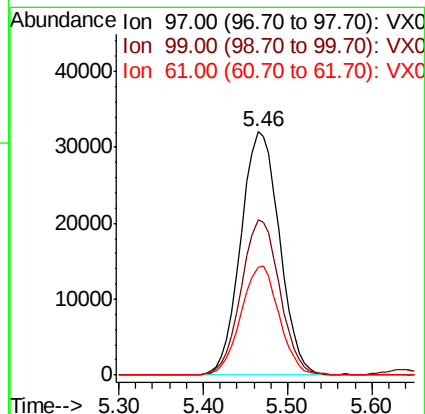
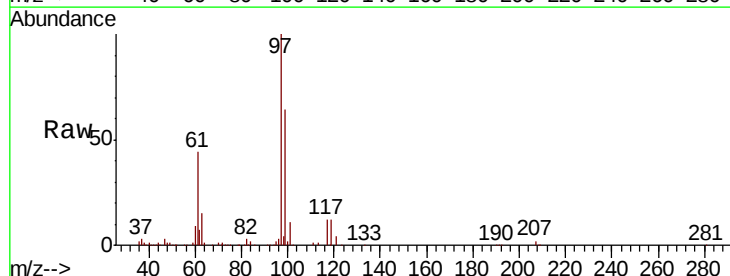
Tgt Ion: 97 Resp: 100142

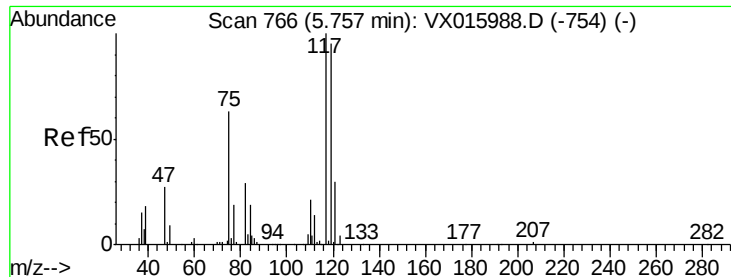
Ion Ratio Lower Upper

97 100

99 63.6 50.7 76.1

61 44.5 35.9 53.9





#33

Carbon Tetrachloride

Concen: 17.609 ug/l

RT: 5.76 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

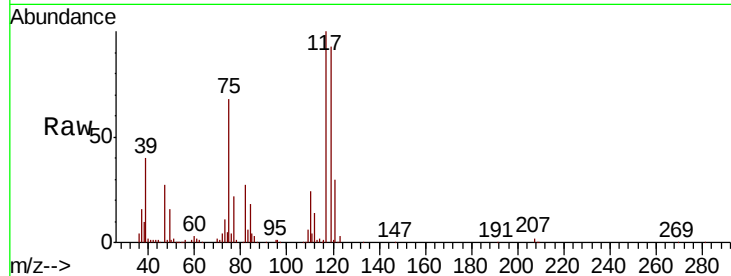
Tot Ion:117 Resp: 88650

Ion Ratio Lower Upper

117 100

119 93.1 76.3 114.5

121 30.3 24.2 36.4

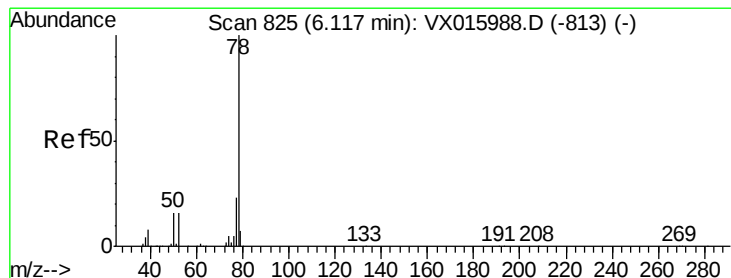
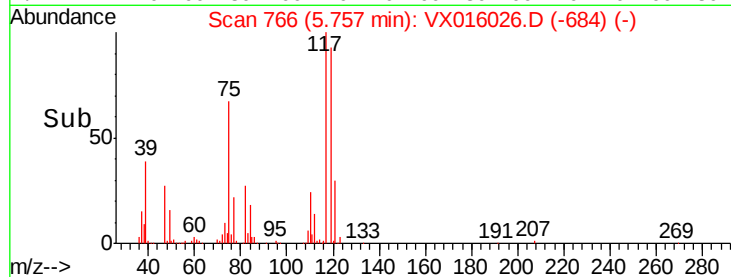
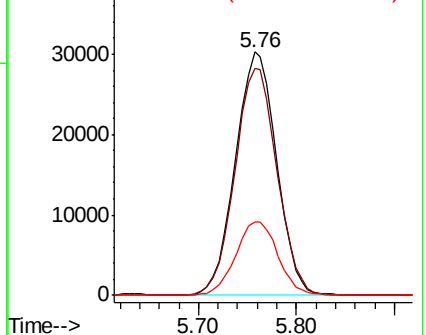


Abundance

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: 18.484 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

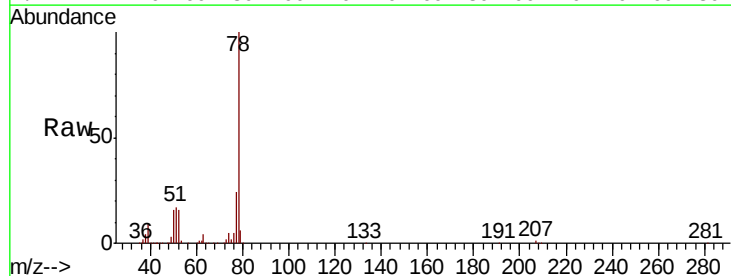
Tgt Ion: 78 Resp: 251652

Ion Ratio Lower Upper

78 100

77 24.0 18.7 28.1

51 17.1 12.7 19.1

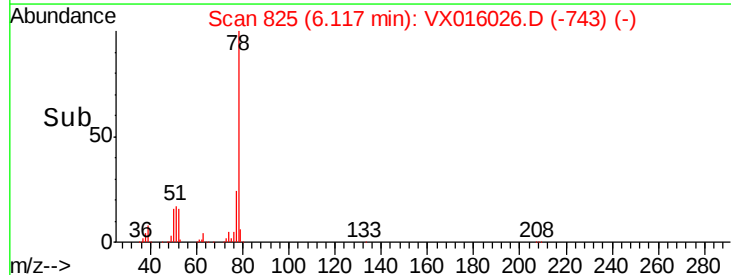
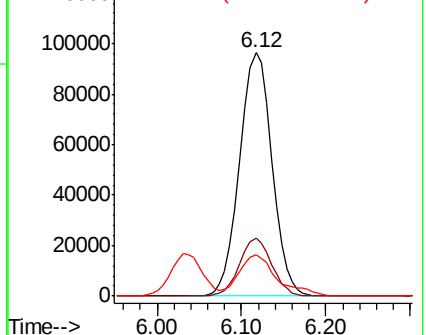


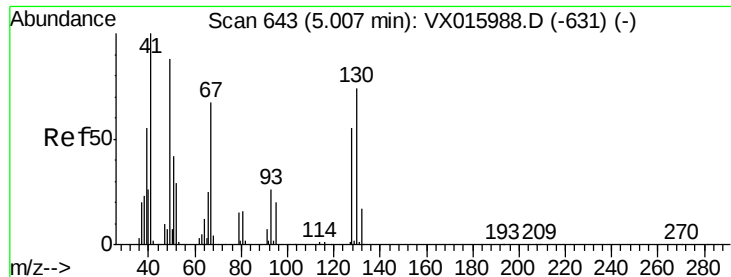
Abundance

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

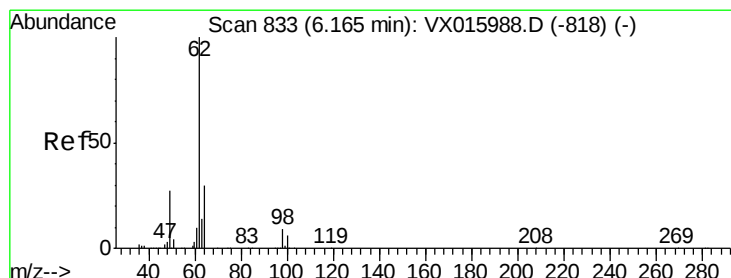
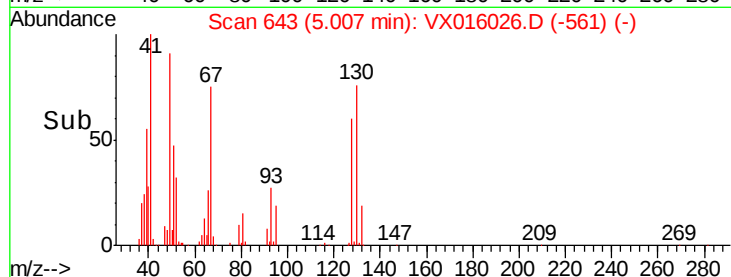
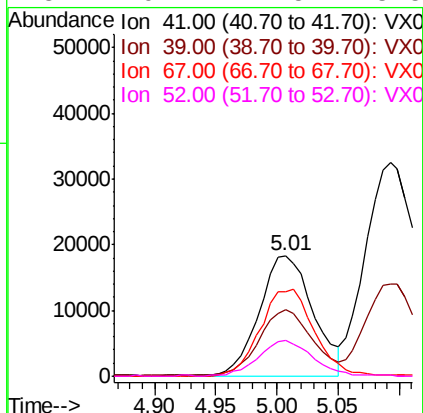
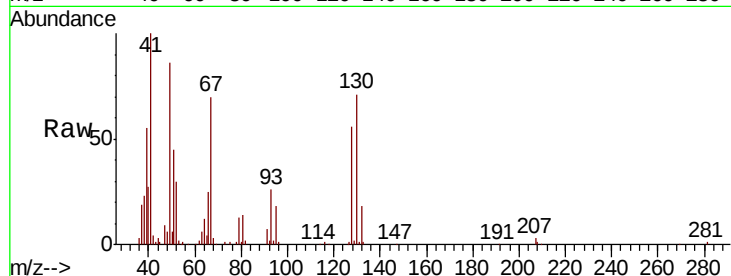




#35
Methacrylonitrile
Concen: 18.887 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

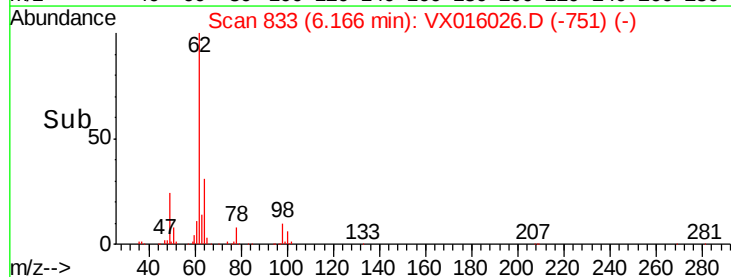
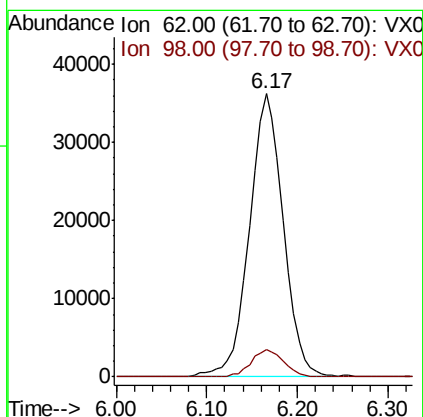
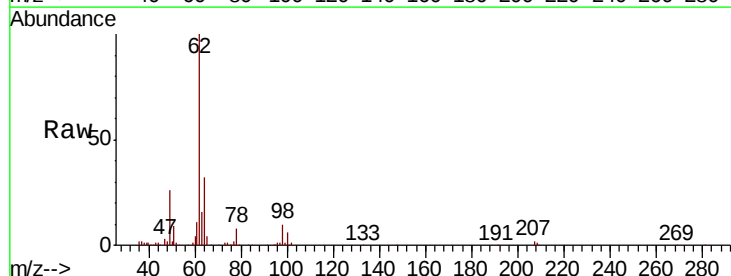
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

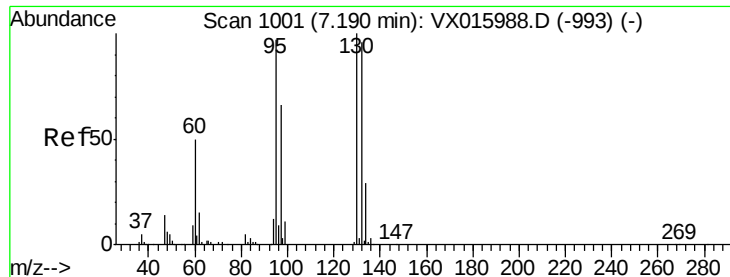
Tot Ion:	41	Resp:	55708
Ion	Ratio	Lower	Upper
41	100		
39	54.9	27.5	82.4
67	70.6	33.6	100.6
52	29.4	14.5	43.5



#36
1,2-Dichloroethane
Concen: 17.985 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

Tgt Ion:	62	Resp:	93506
Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.4	11.2

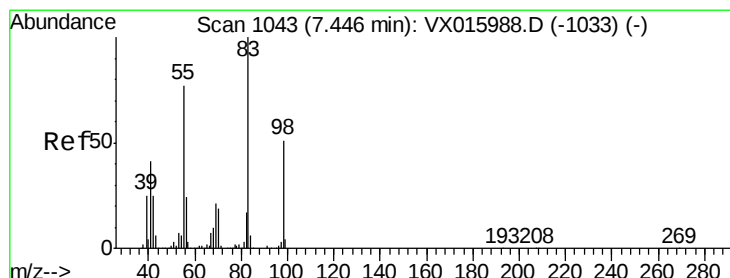
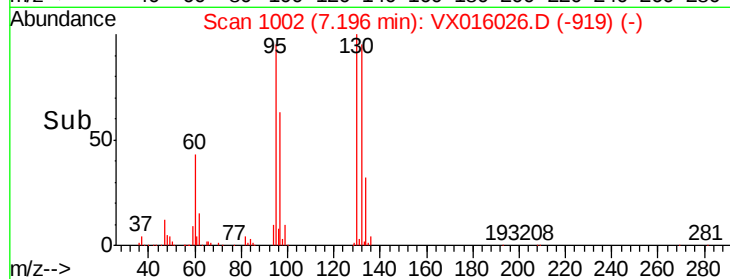
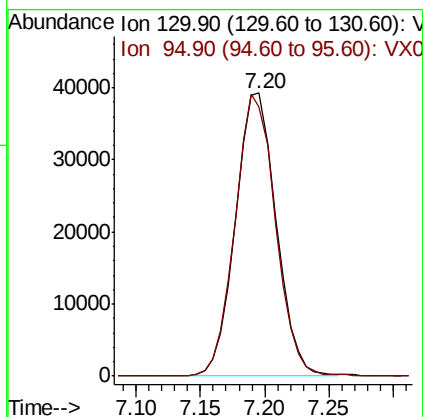
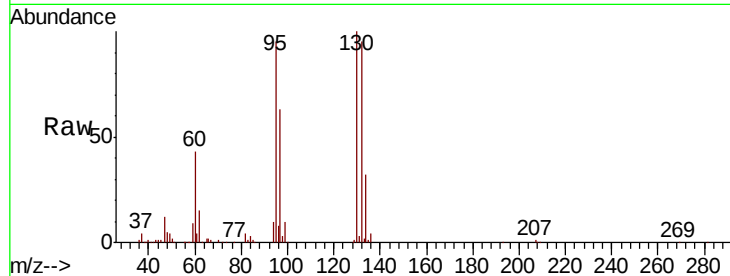




#37
 Trichloroethene
 Concen: 17.786 ug/l
 RT: 7.20 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

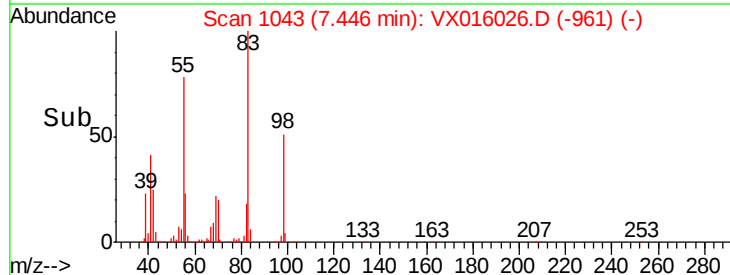
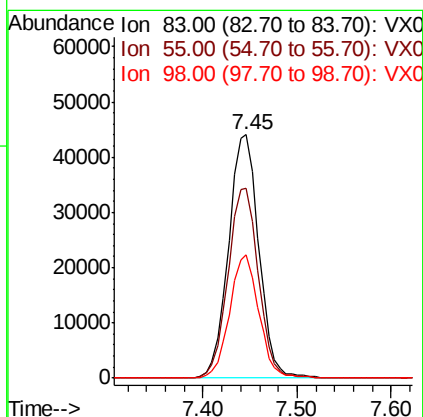
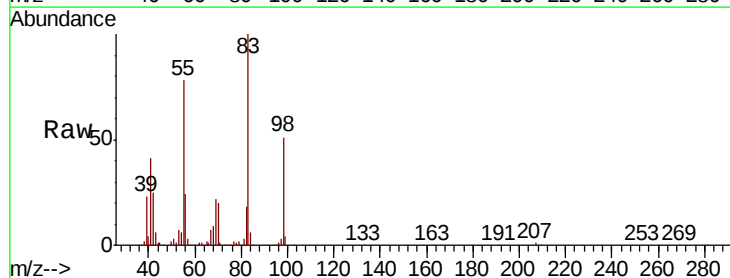
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

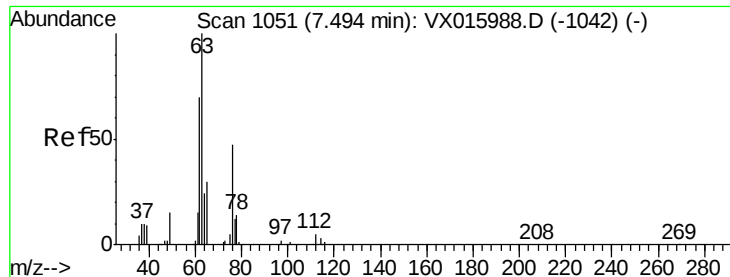
Tot Ion:130 Resp: 86143
 Ion Ratio Lower Upper
 130 100
 95 95.1 77.8 116.8



#38
 Methylcyclohexane
 Concen: 17.320 ug/l
 RT: 7.45 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Tgt Ion: 83 Resp: 98655
 Ion Ratio Lower Upper
 83 100
 55 78.0 38.8 116.4
 98 49.1 25.1 75.3

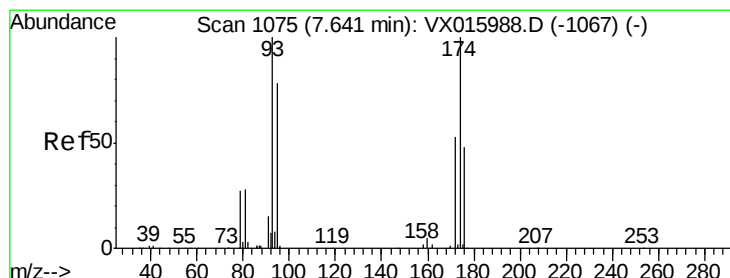
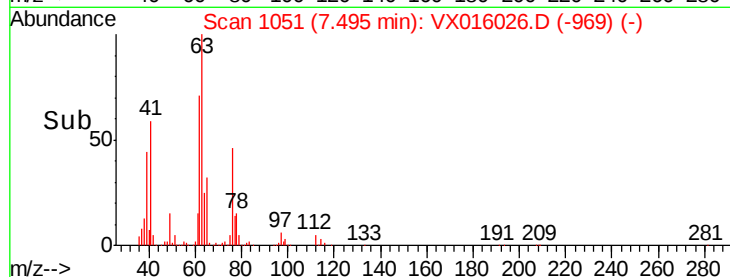
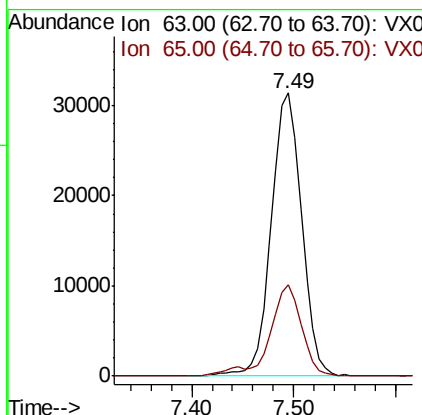
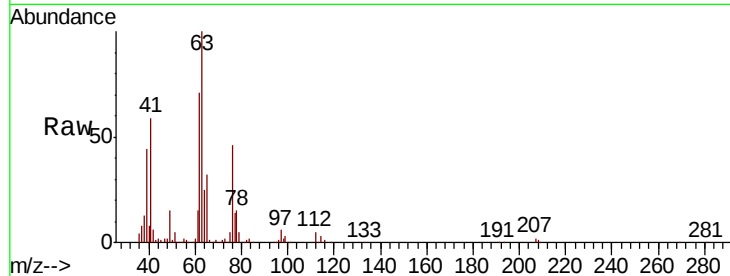




#39
 1,2-Dichloropropane
 Concen: 18.526 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

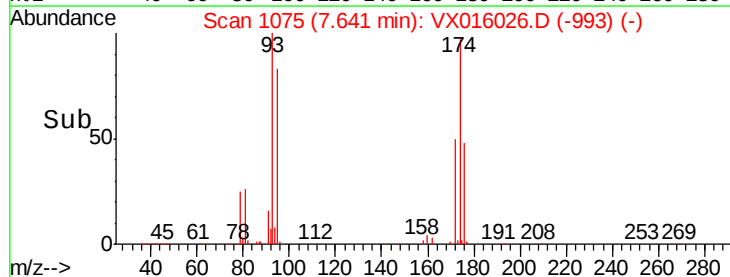
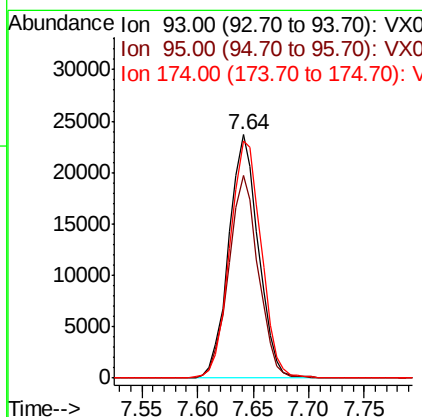
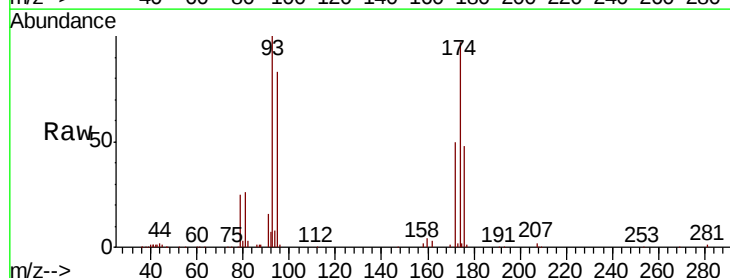
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

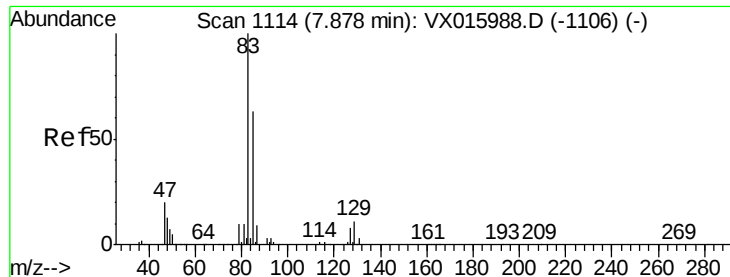
Tot Ion: 63 Resp: 64743
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.9 38.9



#40
 Dibromomethane
 Concen: 18.019 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Tgt Ion: 93 Resp: 43726
 Ion Ratio Lower Upper
 93 100
 95 82.6 0.0 162.8
 174 103.0 0.0 204.0





#41

Bromodichloromethane

Concen: 17.877 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

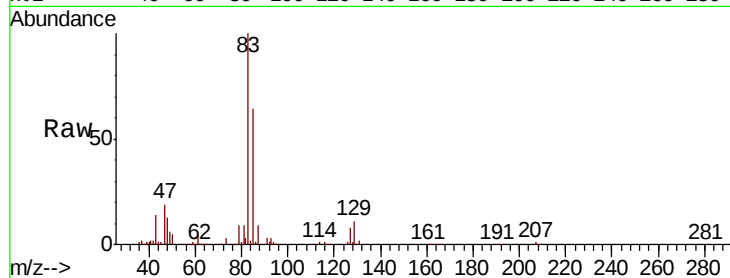
Tot Ion: 83 Resp: 89432

Ion Ratio Lower Upper

83 100

85 63.7 50.4 75.6

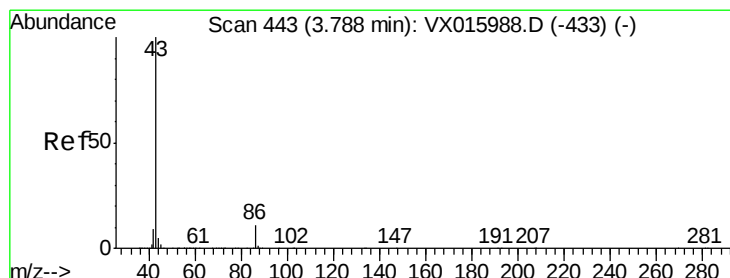
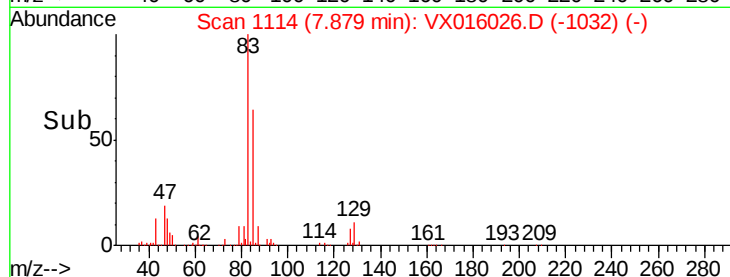
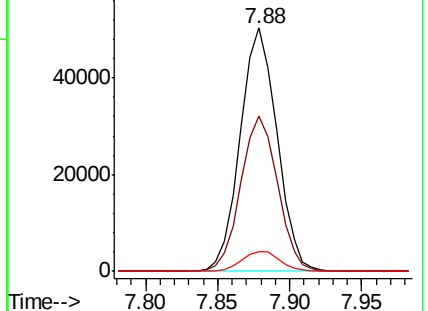
127 7.9 6.7 10.1



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: 90.648 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX016026.D

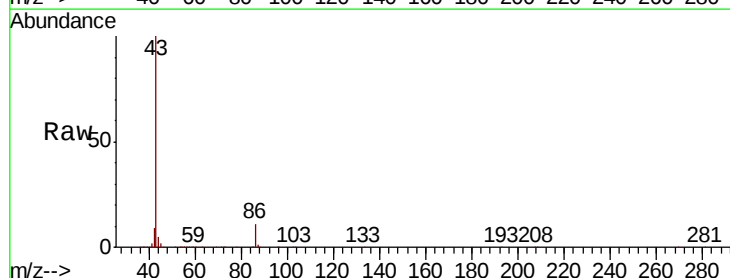
Acq: 01 May 2020 20:49

Tgt Ion: 43 Resp: 832920

Ion Ratio Lower Upper

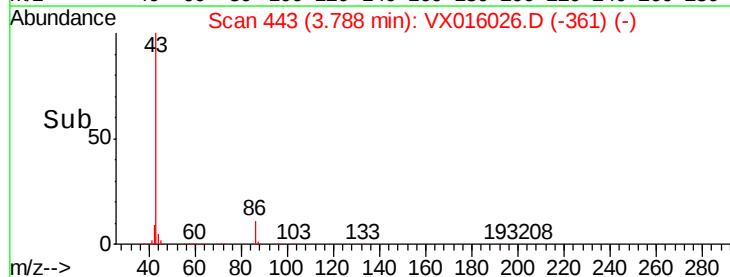
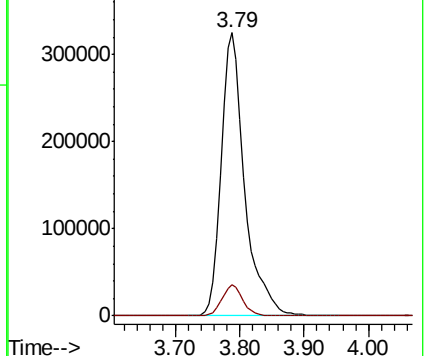
43 100

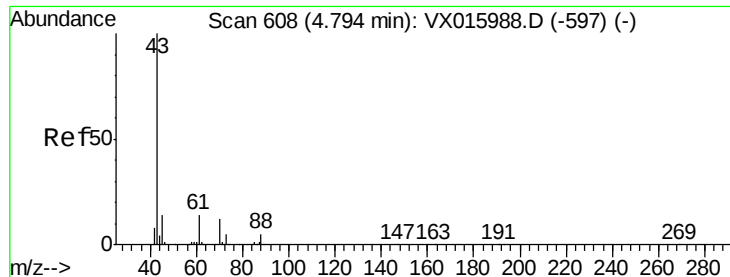
86 9.7 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

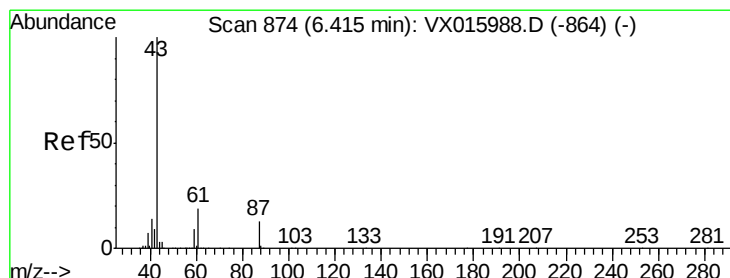
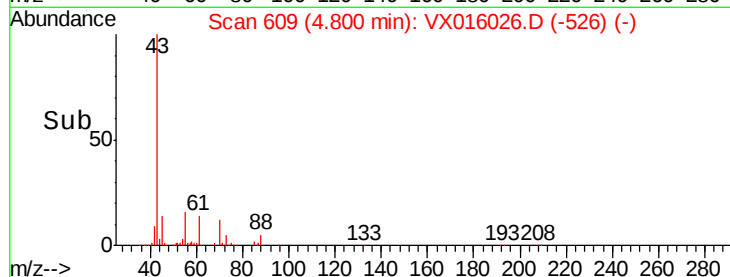
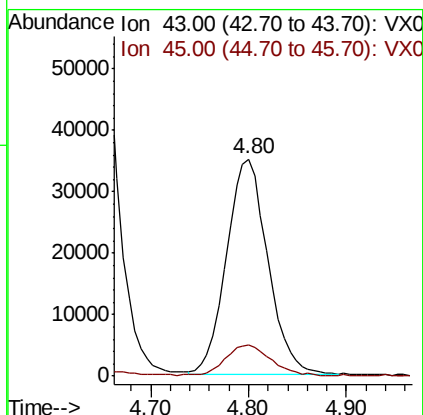
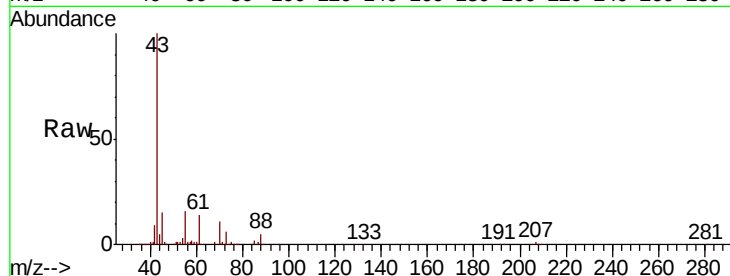




#43
Ethyl Acetate
Concen: 18.745 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

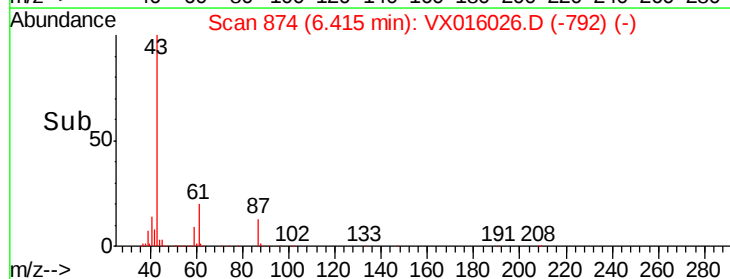
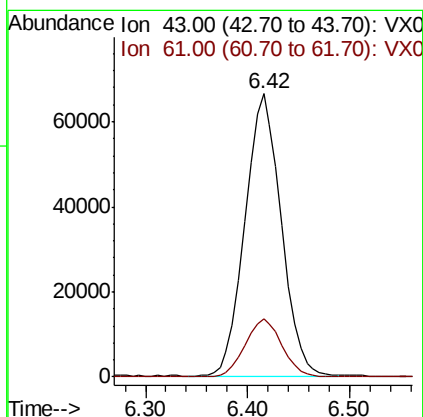
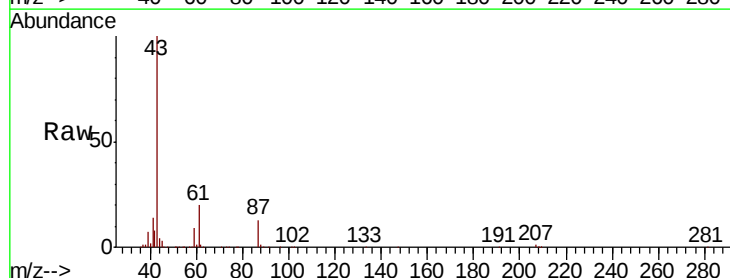
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

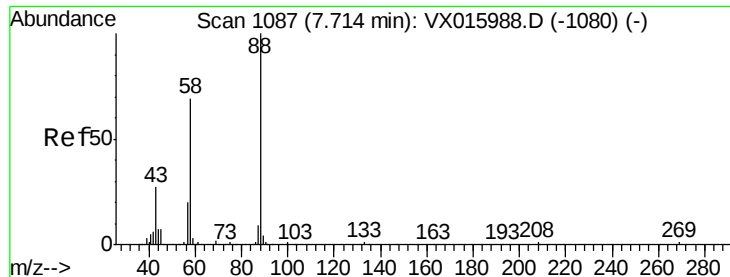
Tot Ion: 43 Resp: 102694
Ion Ratio Lower Upper
43 100
45 15.2 11.9 17.9



#44
Isopropyl Acetate
Concen: 18.455 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

Tgt Ion: 43 Resp: 164078
Ion Ratio Lower Upper
43 100
61 20.7 16.1 24.1





#45

1,4-Dioxane

Concen: 370.857 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

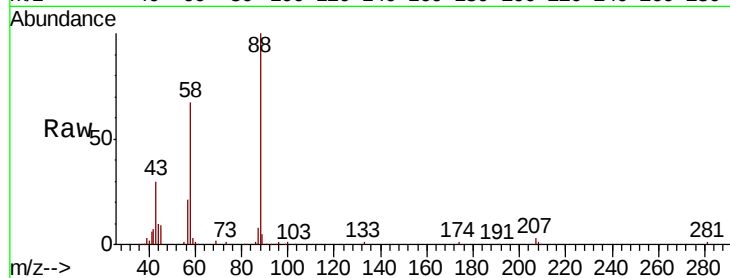
Tot Ion: 88 Resp: 34827

Ion Ratio Lower Upper

88 100

43 30.7 26.3 39.5

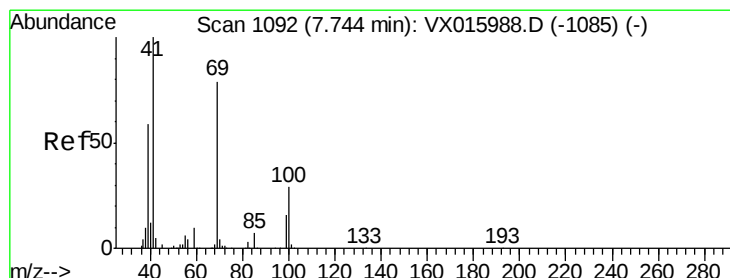
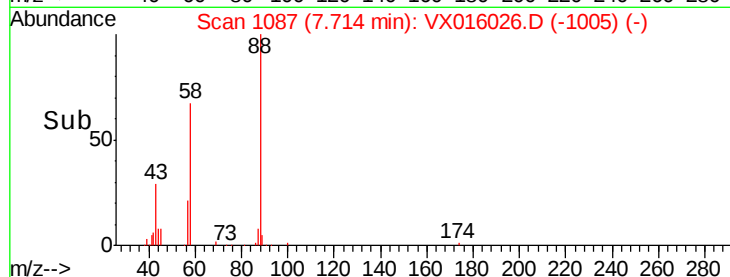
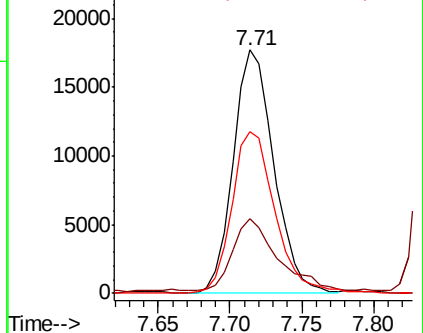
58 70.2 57.0 85.6



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: 18.288 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

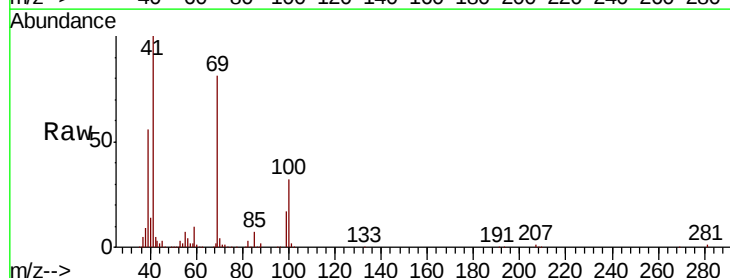
Tgt Ion: 41 Resp: 77080

Ion Ratio Lower Upper

41 100

69 81.6 39.5 118.5

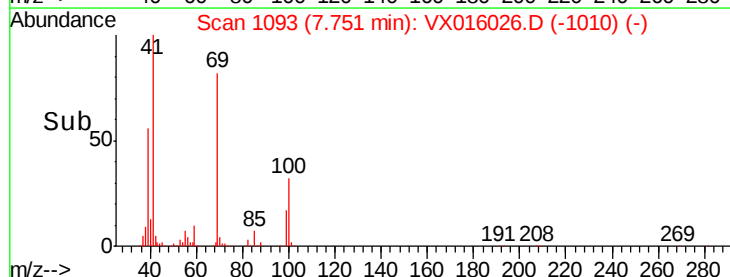
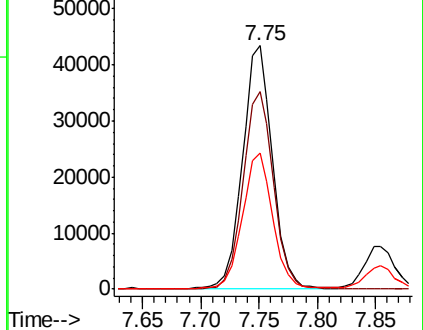
39 55.7 29.6 88.9

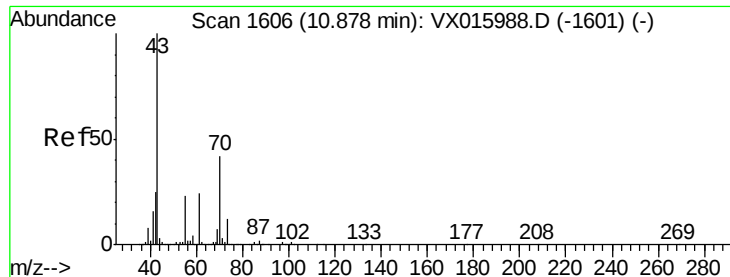


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 17.523 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

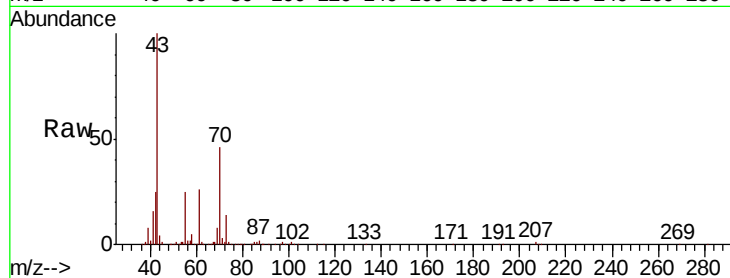
VSTDCCC020EC

Tot Ion: 43 Resp: 136224

Ion Ratio Lower Upper

43 100

55 25.2 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.88

120000

100000

80000

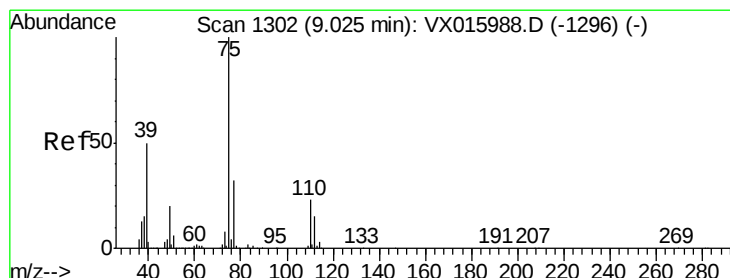
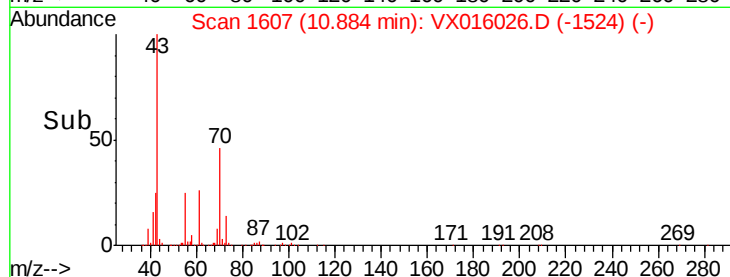
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 17.605 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016026.D

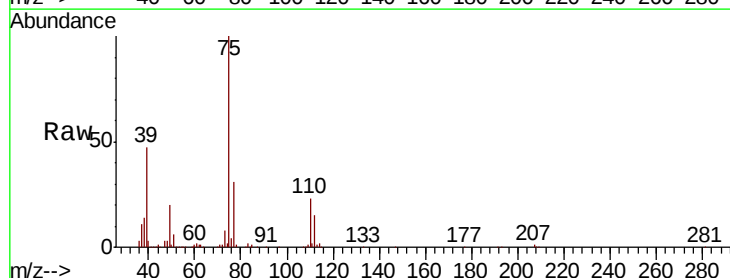
Acq: 01 May 2020 20:49

Tgt Ion: 75 Resp: 102271

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.02

80000

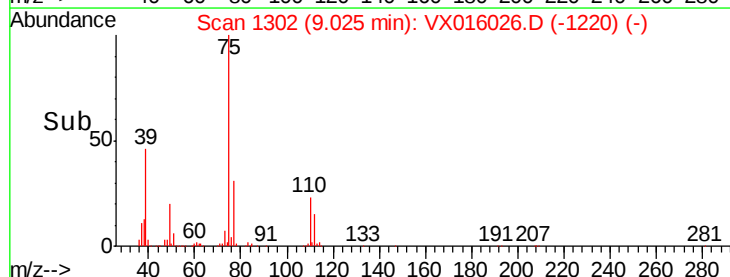
60000

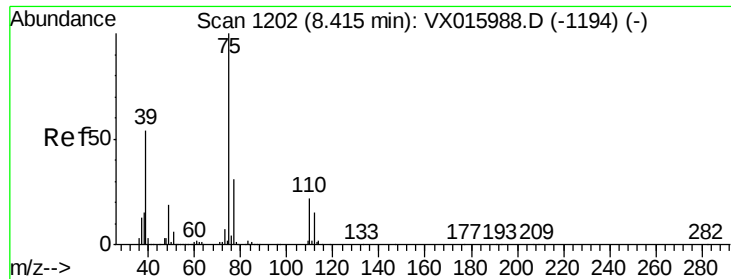
40000

20000

0

Time-->



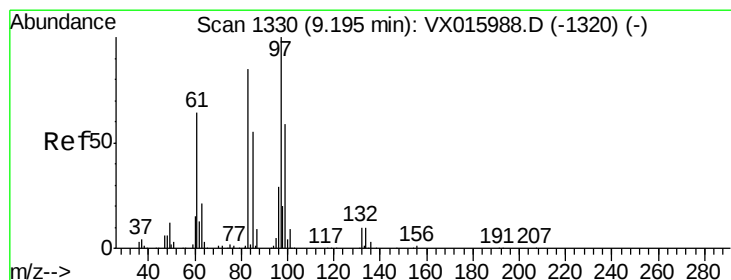
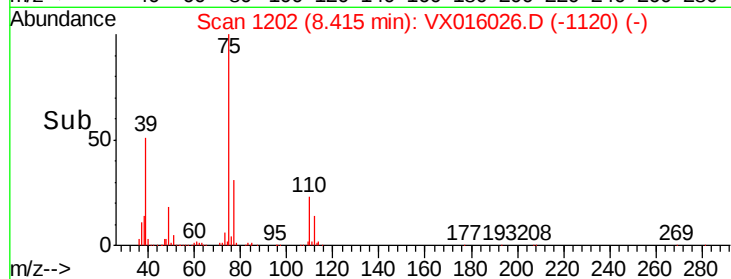
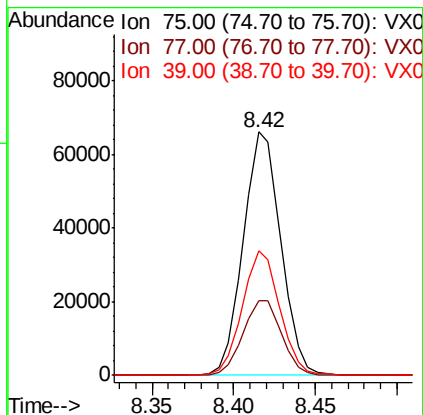
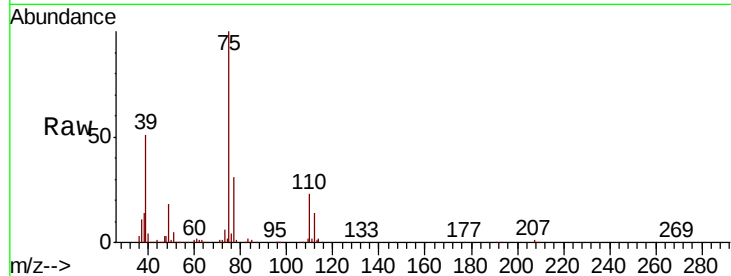


#49

cis-1,3-Dichloropropene
 Concen: 17.757 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

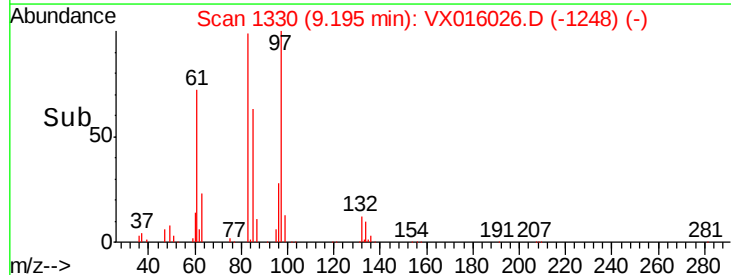
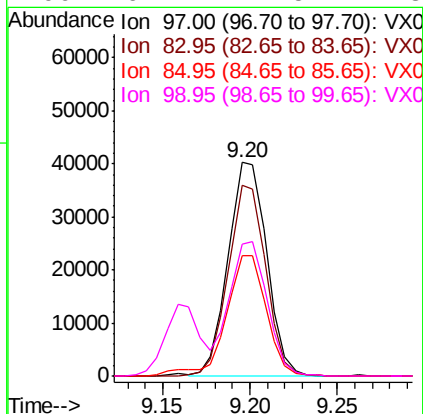
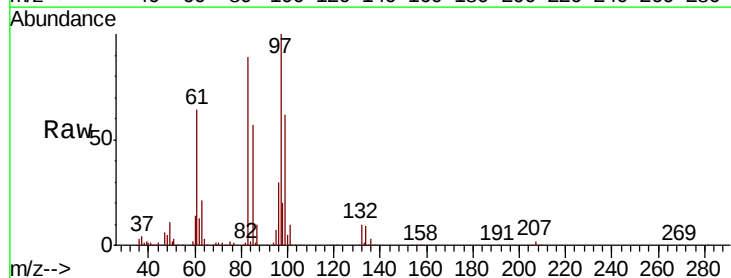
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.6
39	51.2	43.2	64.8

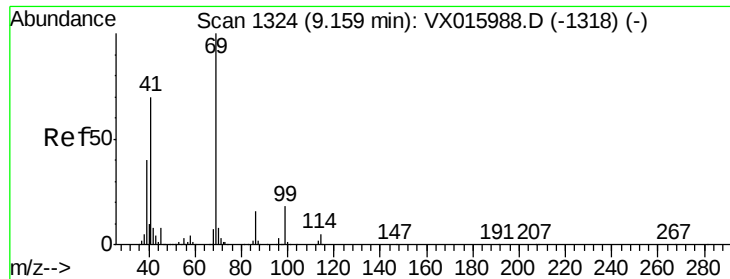


#50

1,1,2-Trichloroethane
 Concen: 18.117 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	67.7	101.5
85	56.6	43.7	65.5
99	61.7	47.5	71.3





#51

Ethyl methacrylate

Concen: 18.104 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

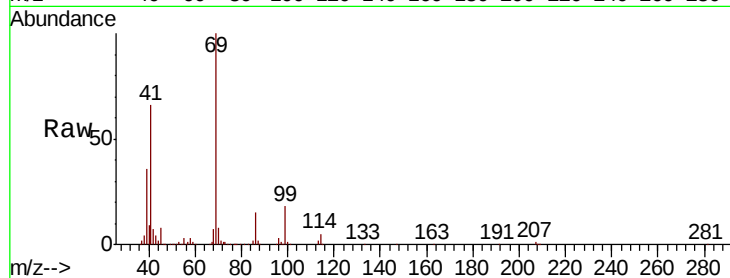
Tot Ion: 69 Resp: 102232

Ion Ratio Lower Upper

69 100

41 65.4 34.8 104.4

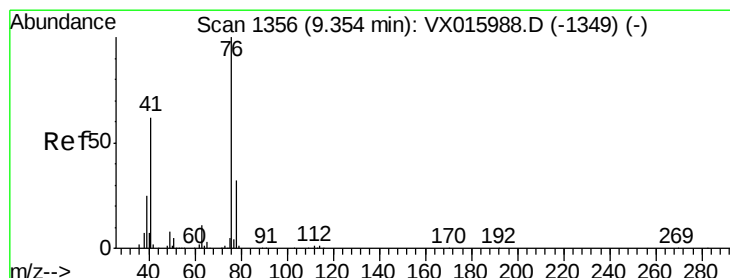
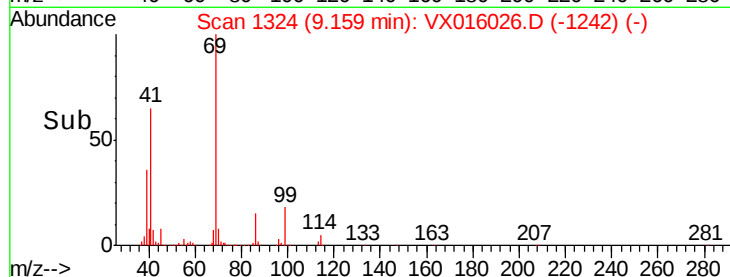
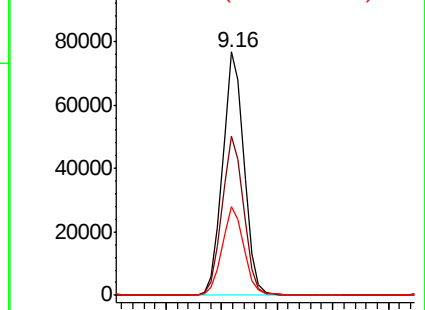
39 36.2 19.8 59.4



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: 18.548 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016026.D

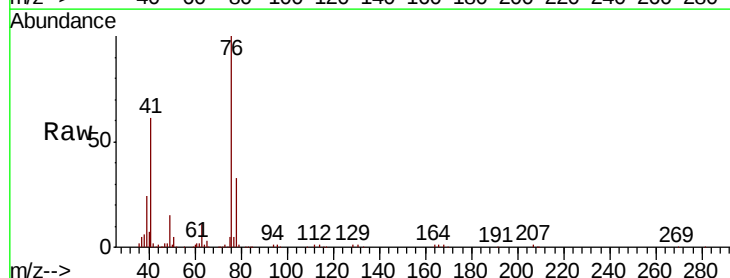
Acq: 01 May 2020 20:49

Tgt Ion: 76 Resp: 109646

Ion Ratio Lower Upper

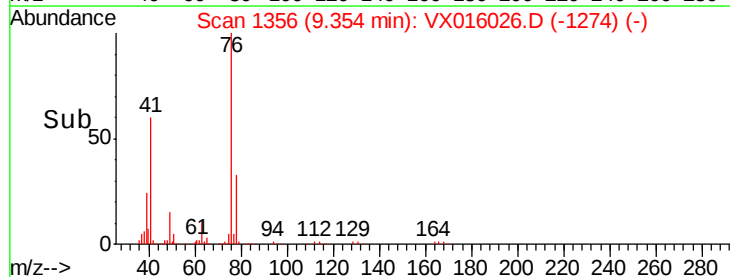
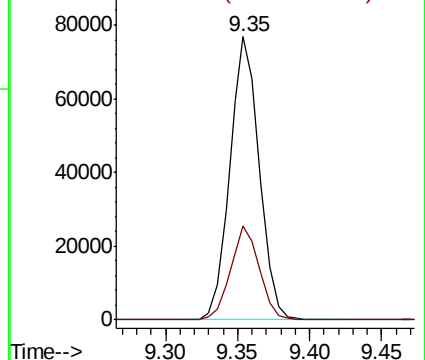
76 100

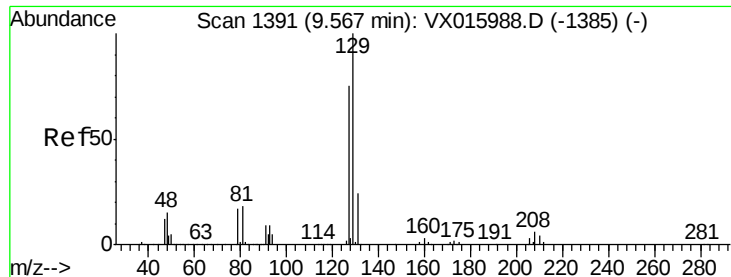
78 32.5 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 17.494 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

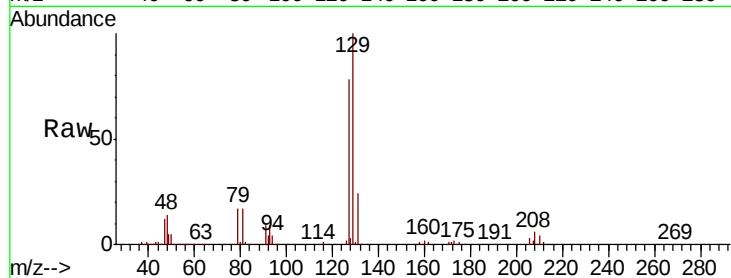
VSTDCCC020EC

Tot Ion:129 Resp: 68060

Ion Ratio Lower Upper

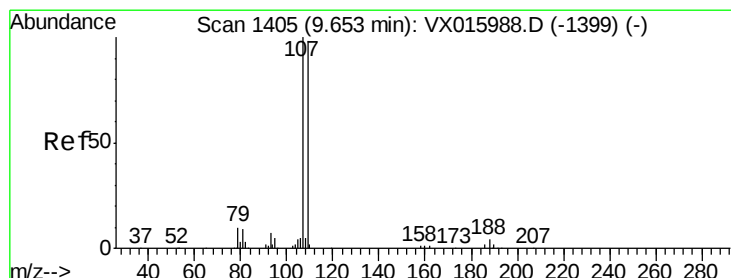
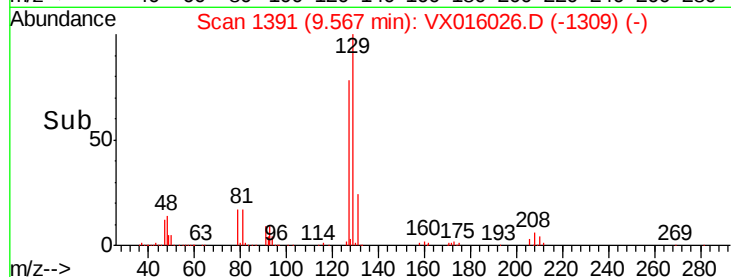
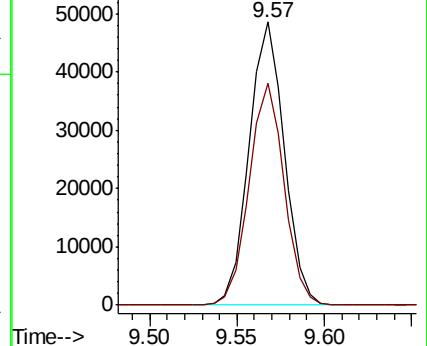
129 100

127 77.8 38.3 114.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.072 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016026.D

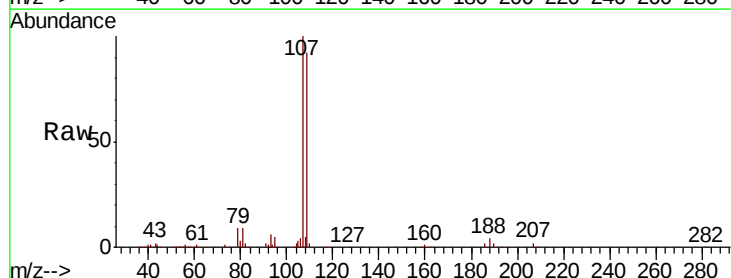
Acq: 01 May 2020 20:49

Tgt Ion:107 Resp: 67921

Ion Ratio Lower Upper

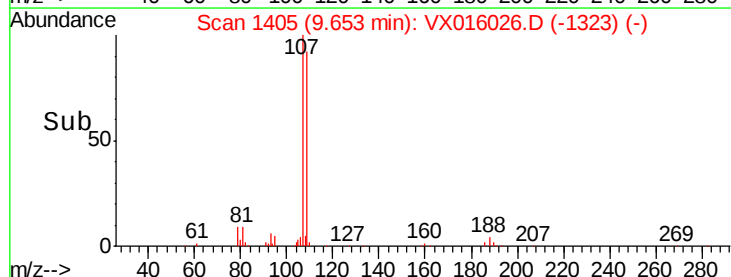
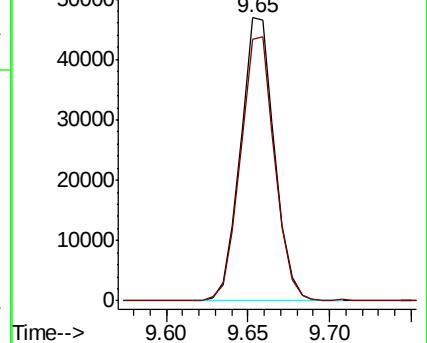
107 100

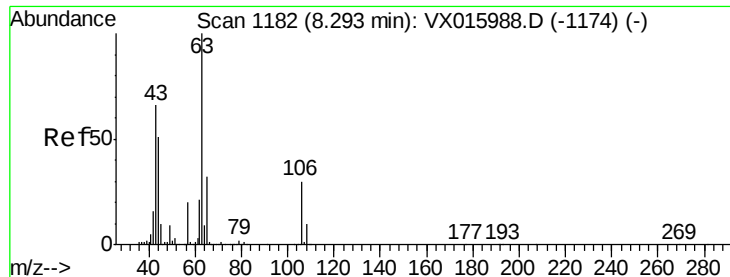
109 93.8 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

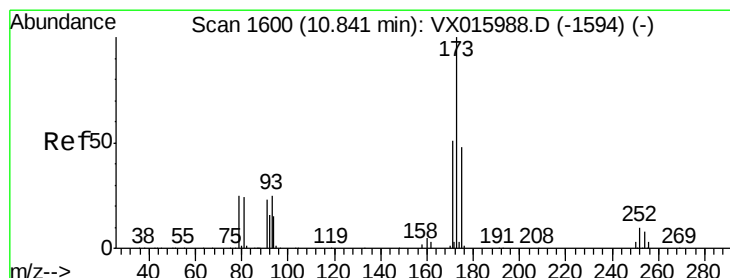
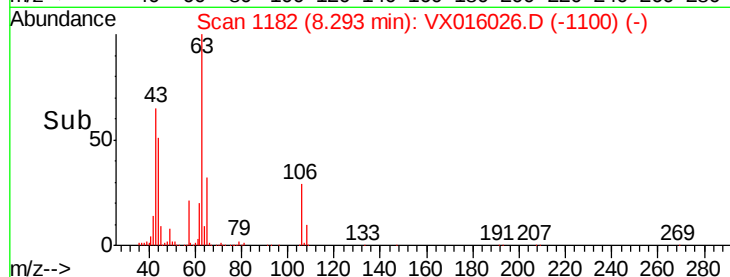
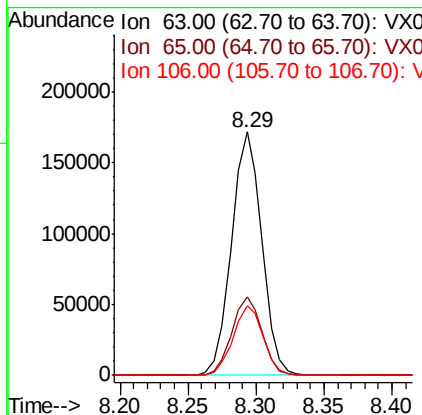
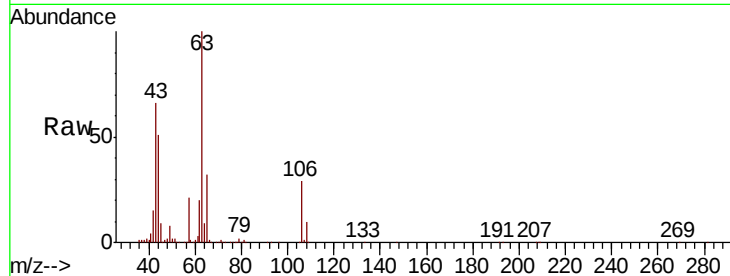




#55
 2-Chloroethyl vinyl ether
 Concen: 86.363 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

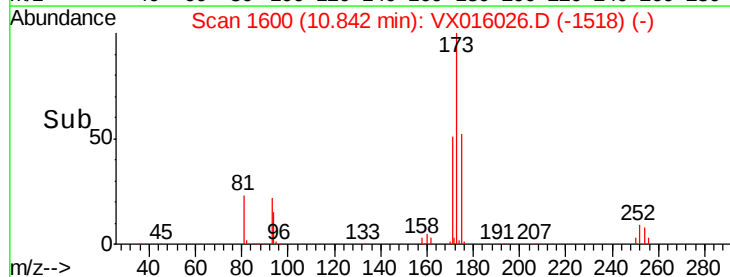
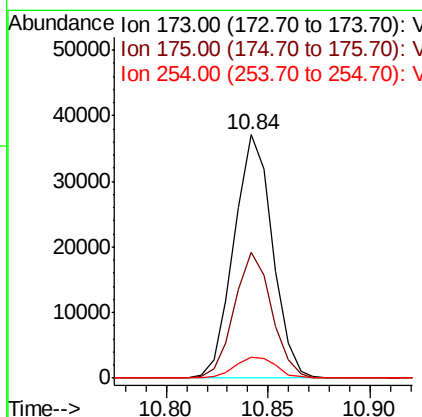
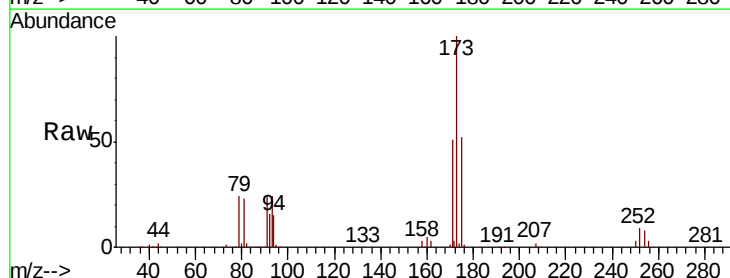
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

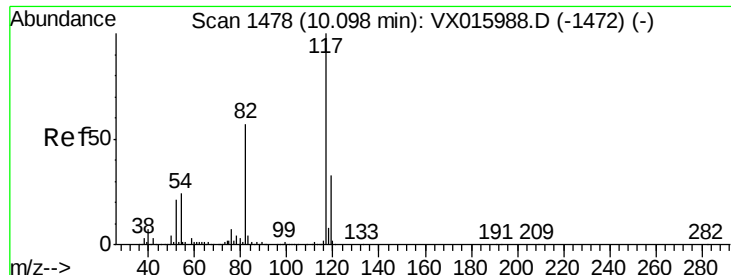
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.6	38.4
106	28.5	23.4	35.0



#56
 Bromoform
 Concen: 16.596 ug/l
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.0	38.0	57.0
254	9.1	6.8	10.2

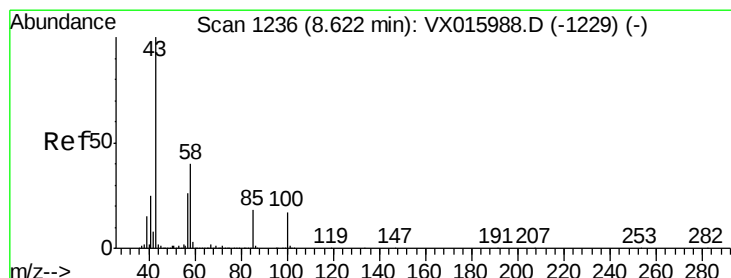
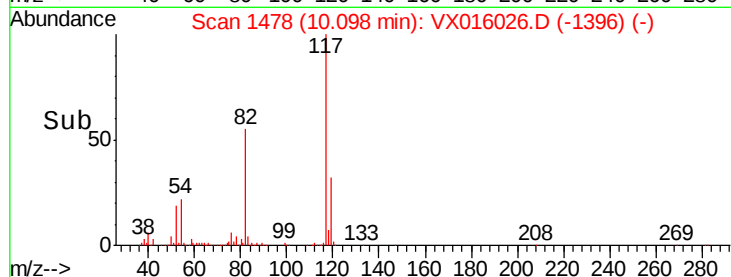
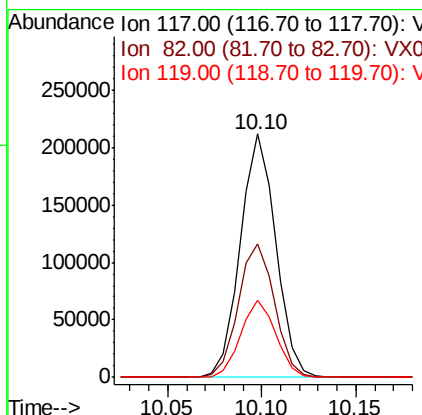
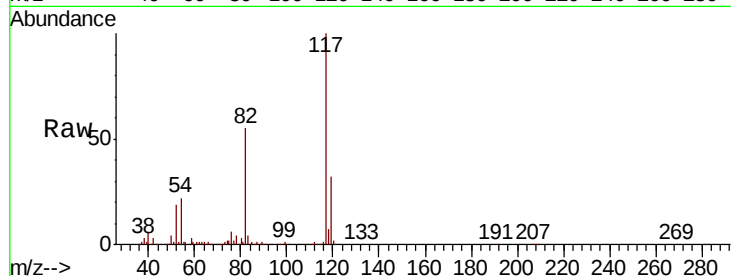




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

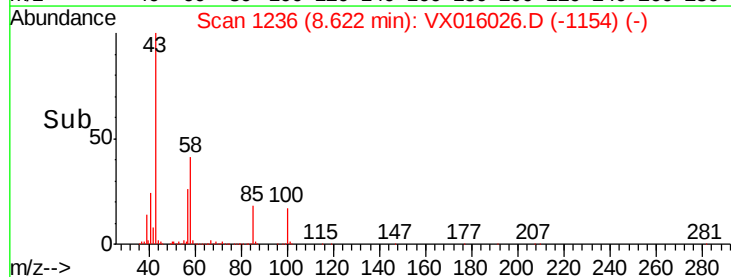
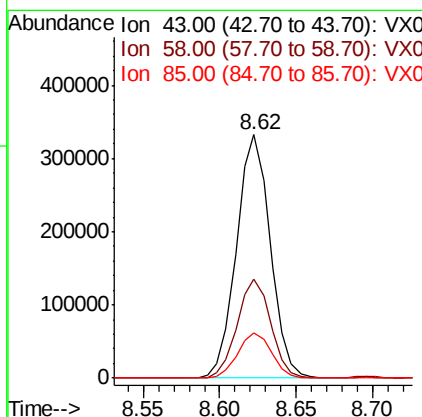
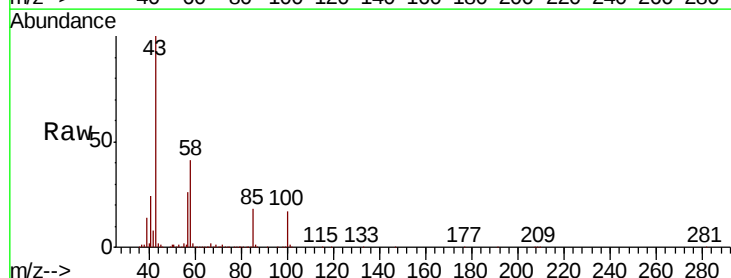
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

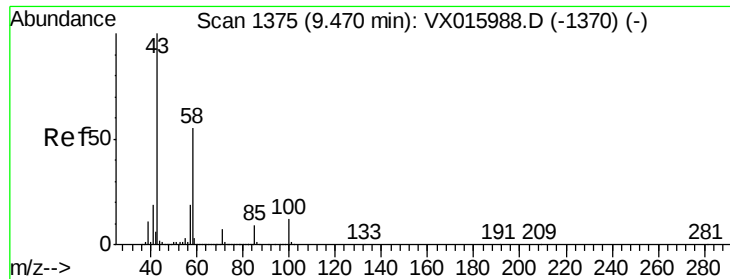
Tot Ion:117 Resp: 276336
Ion Ratio Lower Upper
117 100
82 55.8 45.1 67.7
119 31.6 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 93.135 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

Tgt Ion: 43 Resp: 507534
Ion Ratio Lower Upper
43 100
58 40.6 31.8 47.6
85 18.7 14.5 21.7

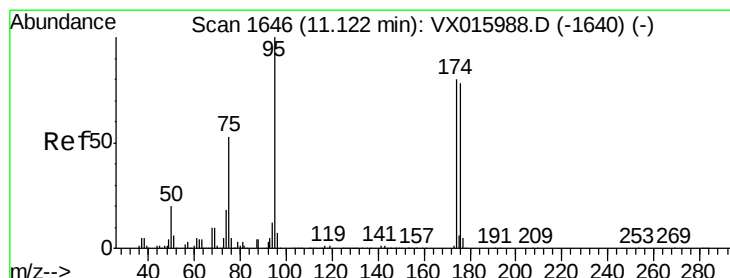
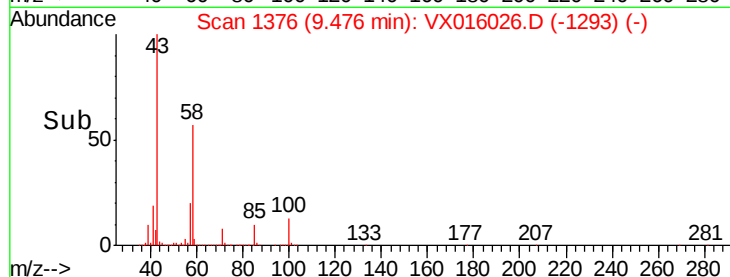
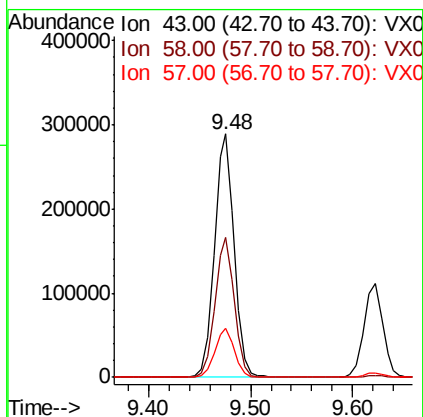
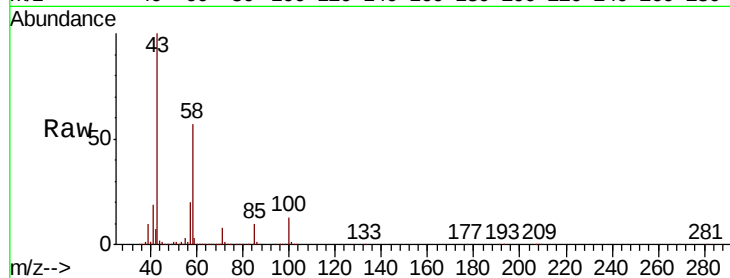




#59
2-Hexanone
Concen: 92.784 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

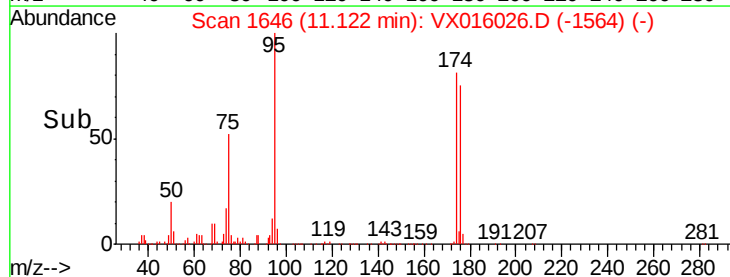
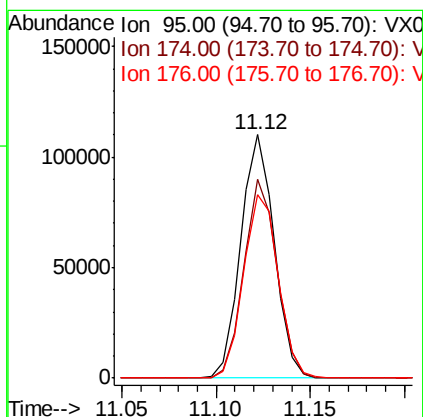
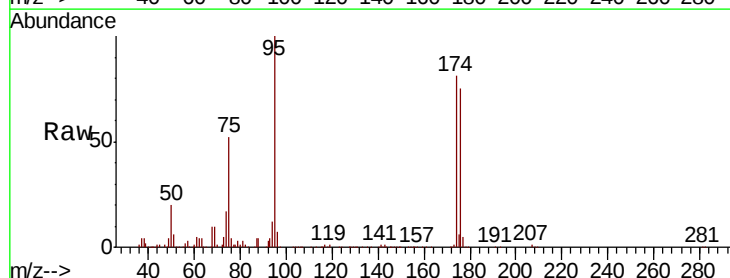
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

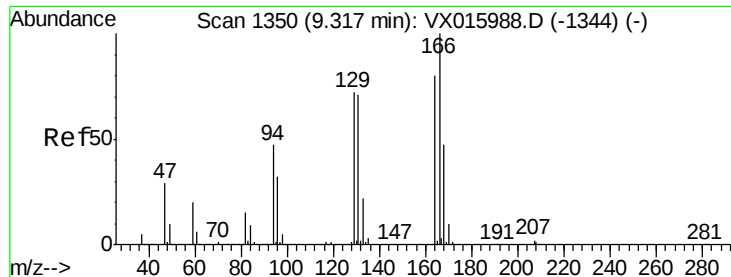
Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	44.0	66.0
57	19.9	15.5	23.3



#60
4-Bromofluorobenzene
Concen: 29.204 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.7	64.8	97.2
176	78.3	62.4	93.6





#61

Tetrachloroethene

Concen: 17.650 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 96477

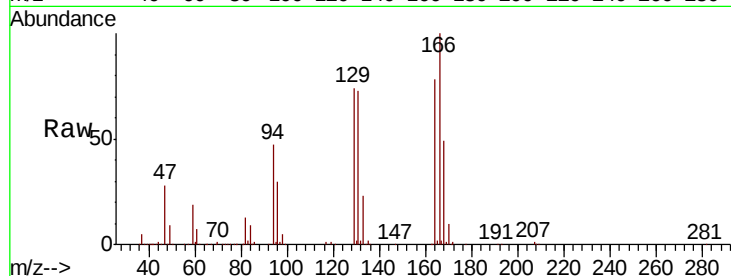
Ion Ratio Lower Upper

164 100

166 128.8 100.1 150.1

129 95.6 72.2 108.4

131 93.8 71.3 106.9

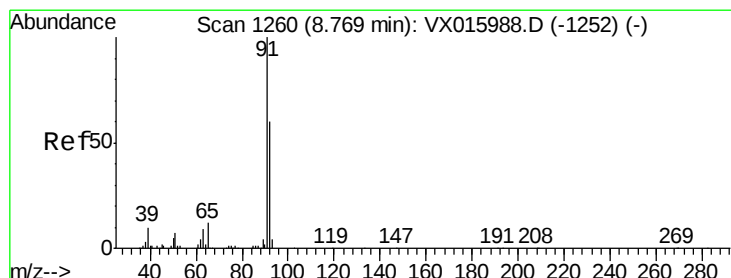
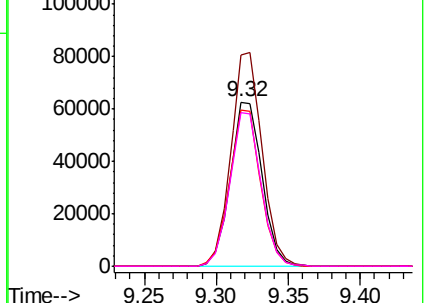
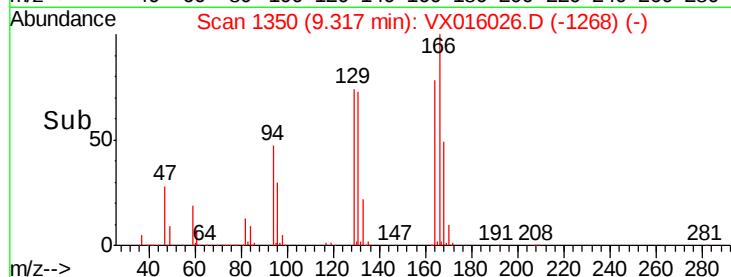


Abundance Ion 163.85 (163.55 to 164.55): V

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: 18.073 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX016026.D

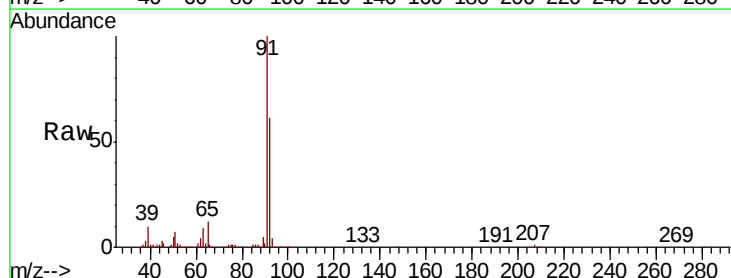
Acq: 01 May 2020 20:49

Tgt Ion: 91 Resp: 266813

Ion Ratio Lower Upper

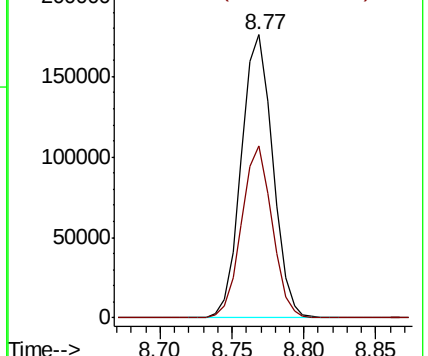
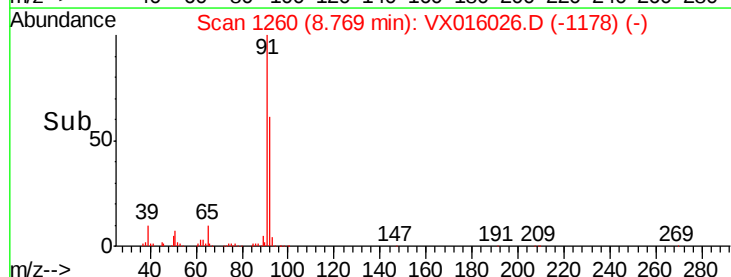
91 100

92 58.9 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: 30.176 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

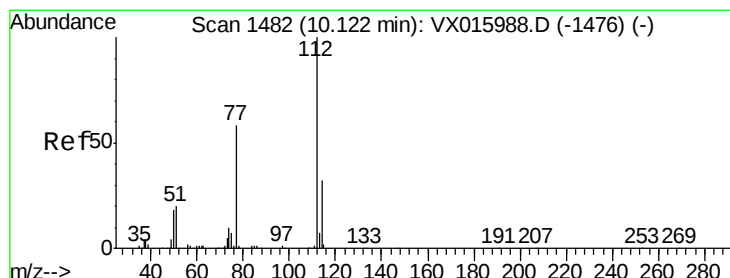
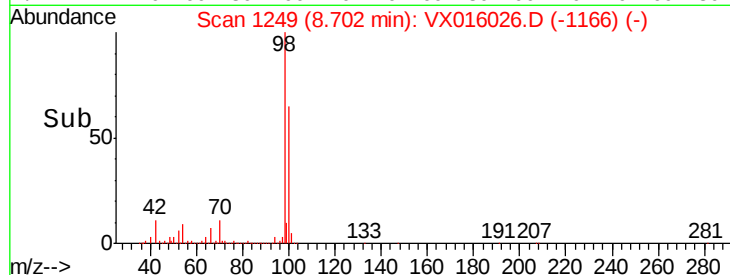
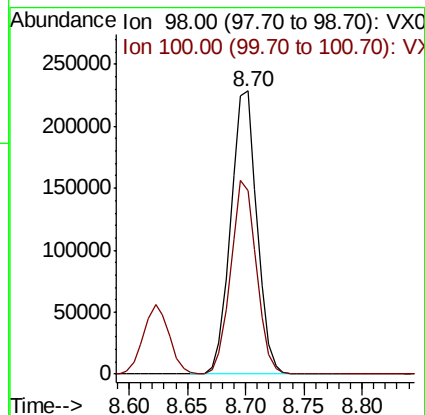
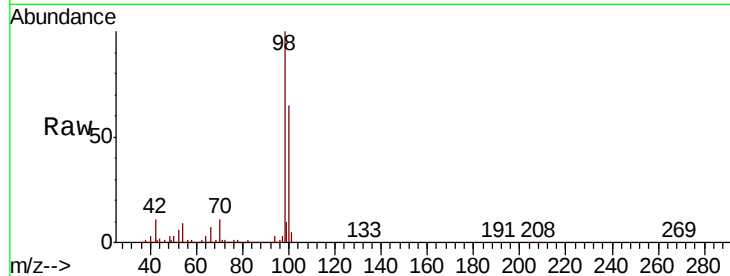
VSTDCCC020EC

Tot Ion: 98 Resp: 357720

Ion Ratio Lower Upper

98 100

100 67.0 52.5 78.7



#64

Chlorobenzene

Concen: 17.693 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016026.D

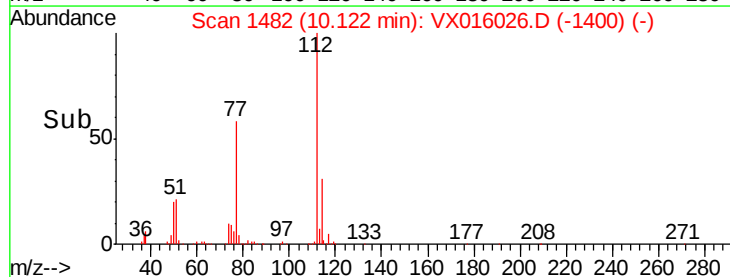
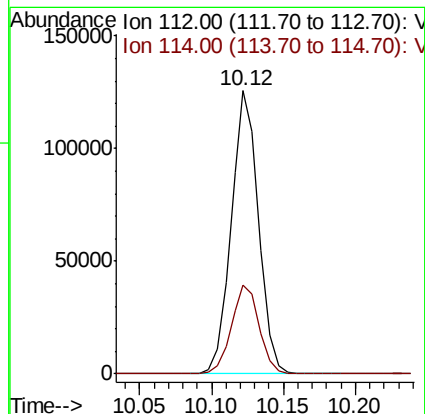
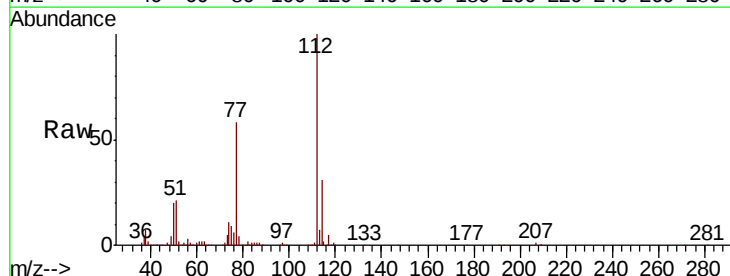
Acq: 01 May 2020 20:49

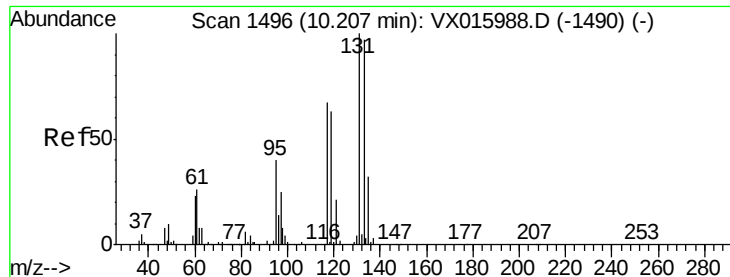
Tgt Ion: 112 Resp: 166314

Ion Ratio Lower Upper

112 100

114 31.1 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 17.246 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

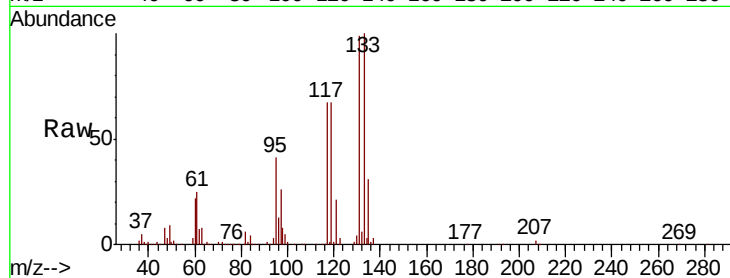
Tot Ion:131 Resp: 61543

Ion Ratio Lower Upper

131 100

133 97.7 0.0 187.0

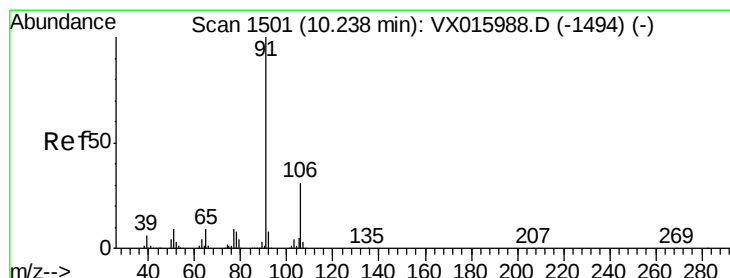
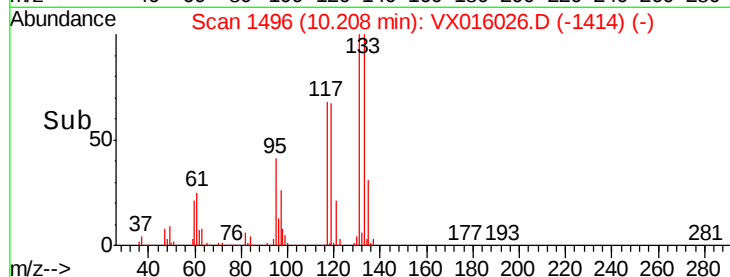
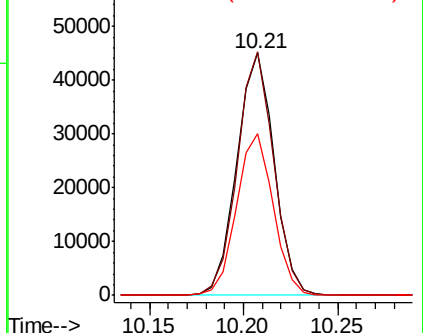
119 66.0 0.0 129.0



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: 17.910 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016026.D

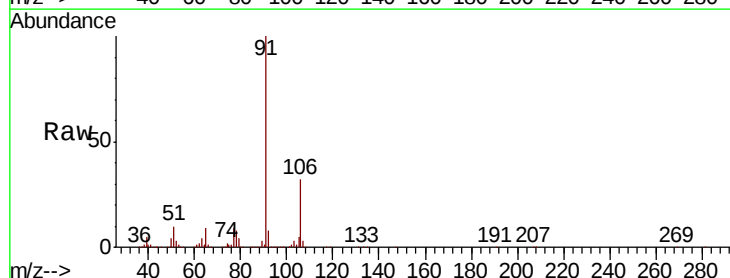
Acq: 01 May 2020 20:49

Tgt Ion: 91 Resp: 301086

Ion Ratio Lower Upper

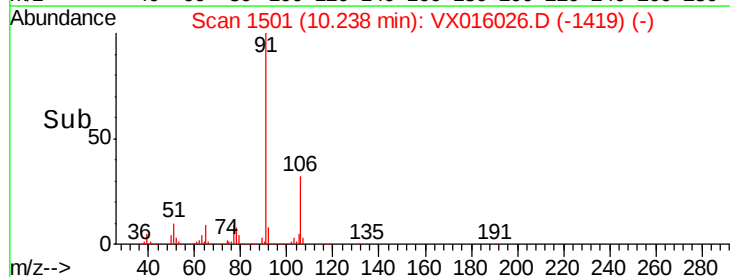
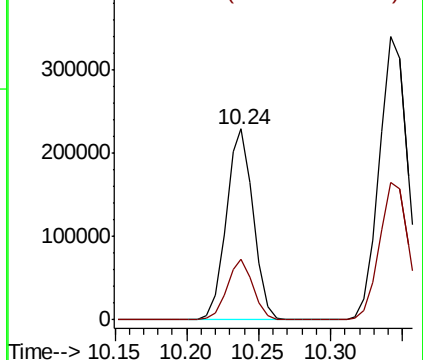
91 100

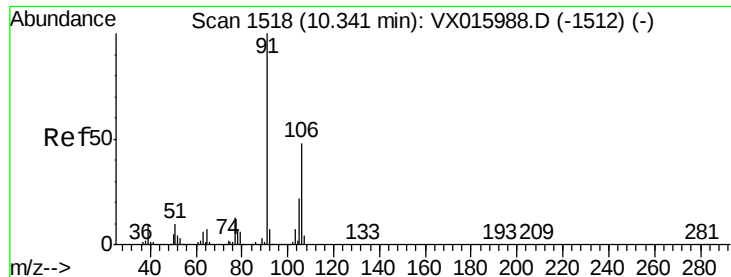
106 31.7 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 35.209 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

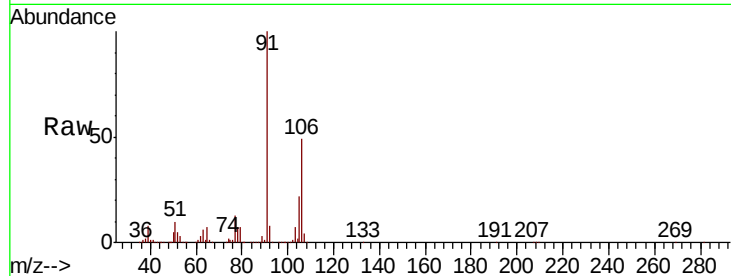
VSTDCCC020EC

Tot Ion:106 Resp: 225482

Ion Ratio Lower Upper

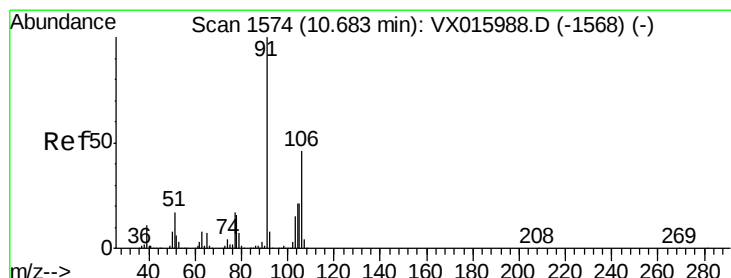
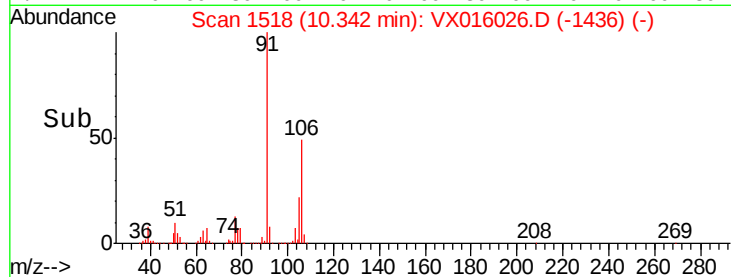
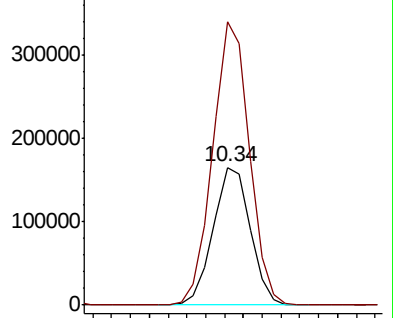
106 100

91 203.5 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 17.534 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX016026.D

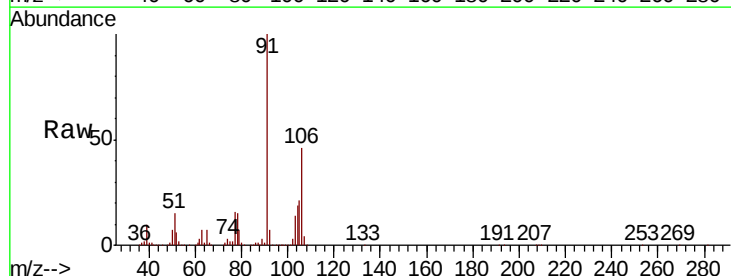
Acq: 01 May 2020 20:49

Tgt Ion:106 Resp: 108280

Ion Ratio Lower Upper

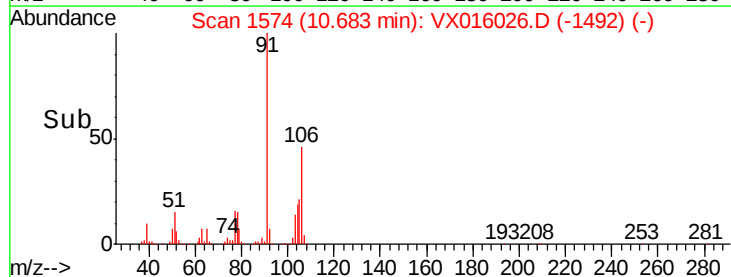
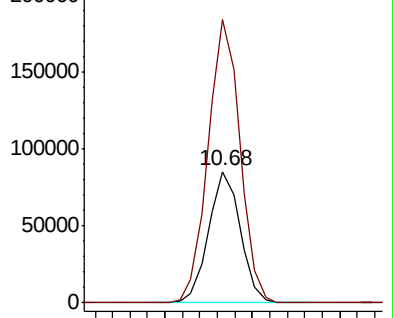
106 100

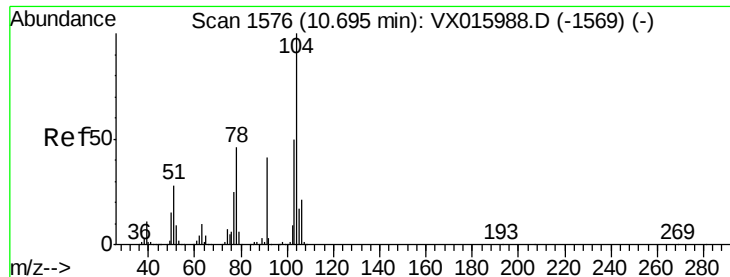
91 215.7 108.3 325.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

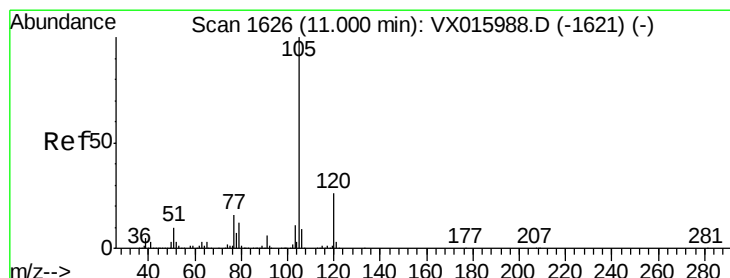
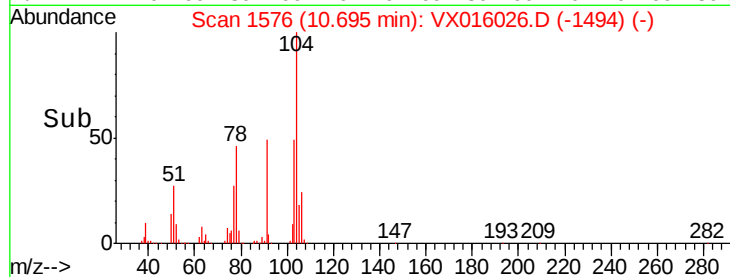
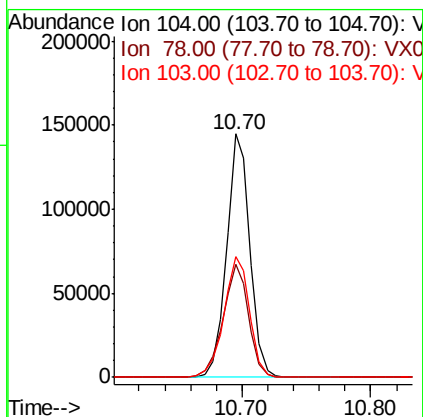
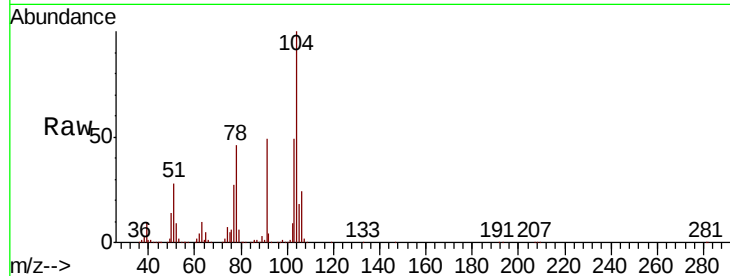




#69
Stvrene
Concen: 17.388 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

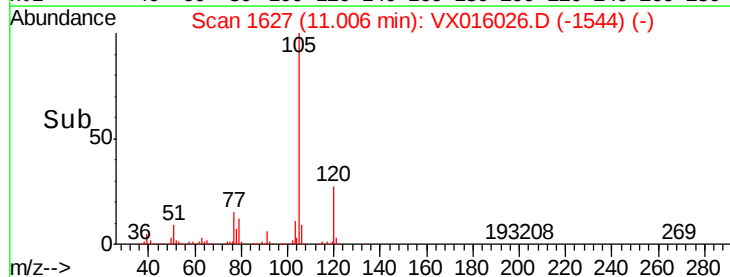
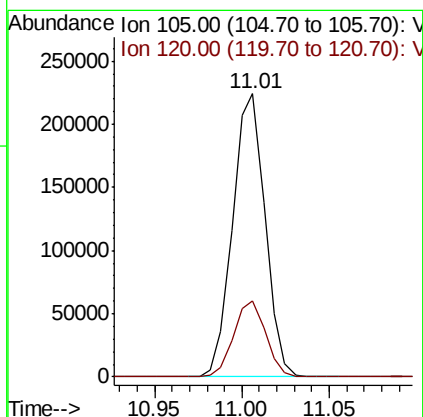
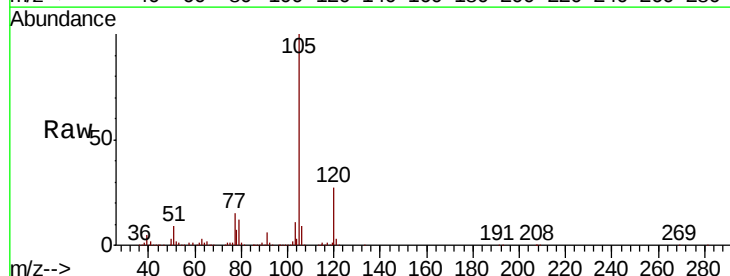
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

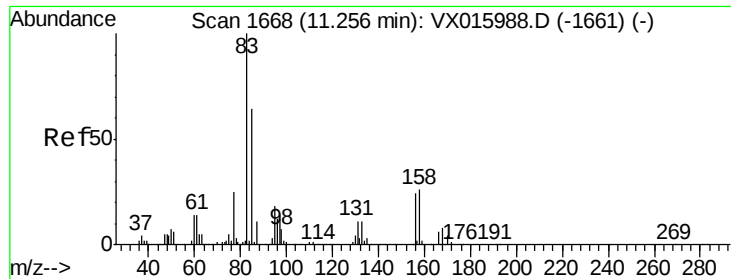
Tot Ion:104 Resp: 183781
Ion Ratio Lower Upper
104 100
78 50.9 40.7 61.1
103 54.7 43.0 64.4



#70
Isopropylbenzene
Concen: 17.309 ug/l
RT: 11.01 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

Tgt Ion:105 Resp: 288593
Ion Ratio Lower Upper
105 100
120 26.4 18.6 34.5

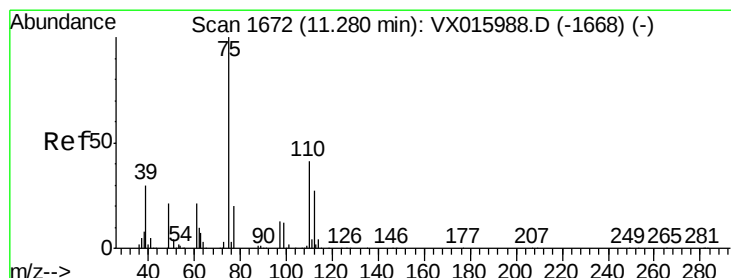
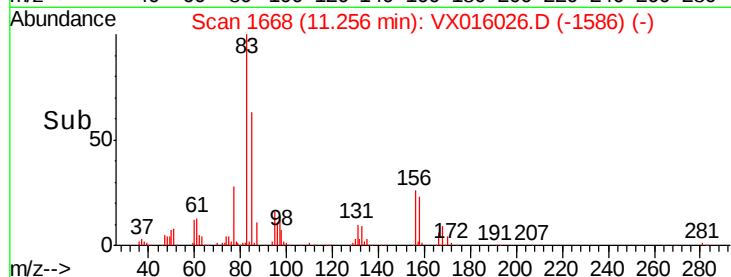
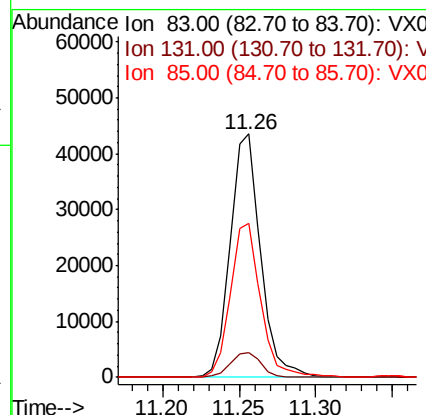
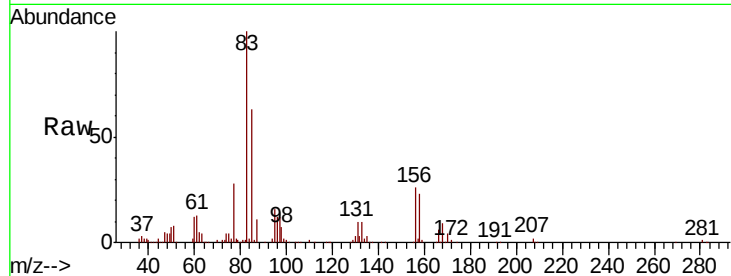




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.272 ug/l
 RT: 11.26 min Scan# 1668
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

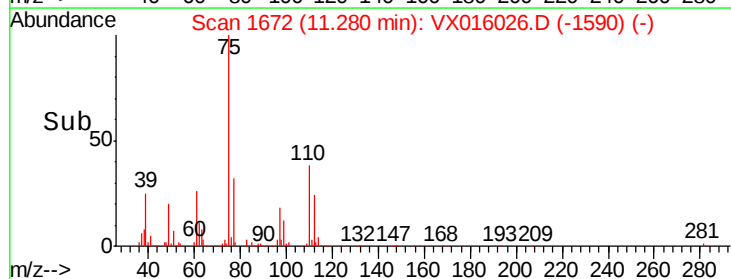
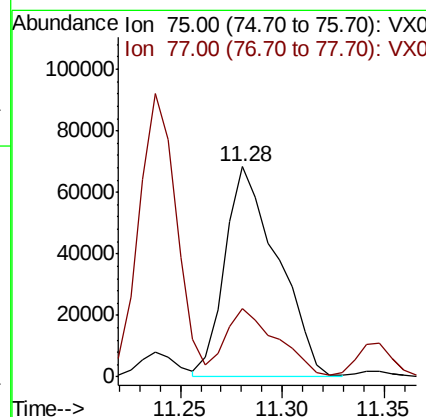
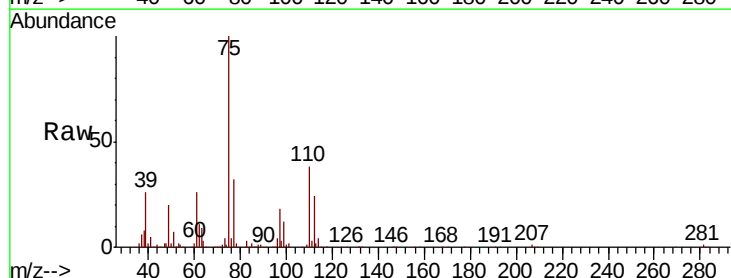
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

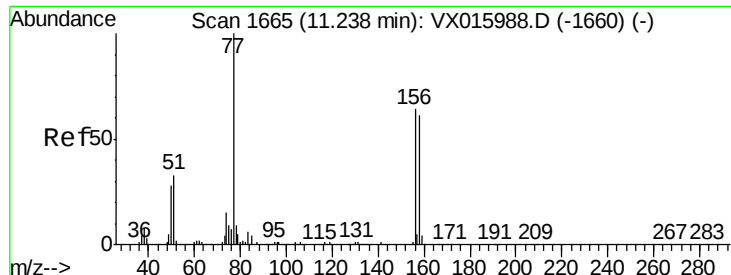
Tot Ion	83	Resp	59736
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	63.4	33.0	98.9



#72
 1,2,3-Trichloropropane
 Concen: 24.506 ug/l
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Tgt Ion	75	Resp	123024
Ion Ratio	Lower	Upper	
75	100		
77	31.8	0.0	86.0





#73

Bromobenzene

Concen: 17.433 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

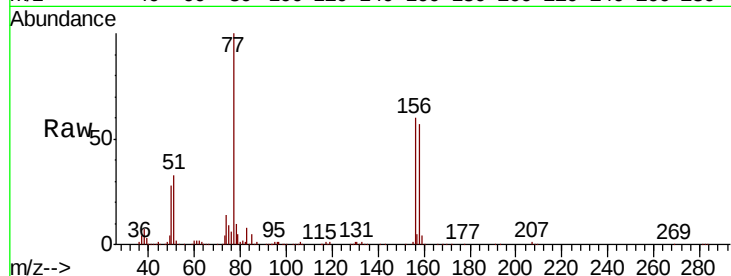
Tot Ion:156 Resp: 73245

Ion Ratio Lower Upper

156 100

77 160.6 0.0 318.0

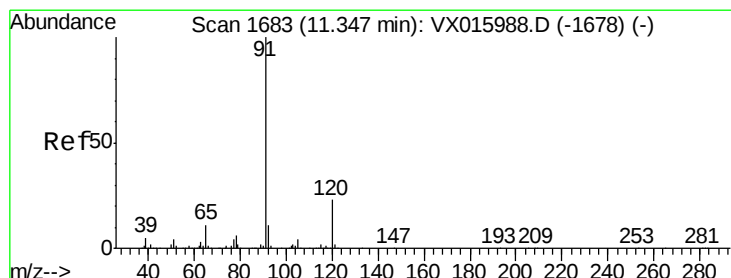
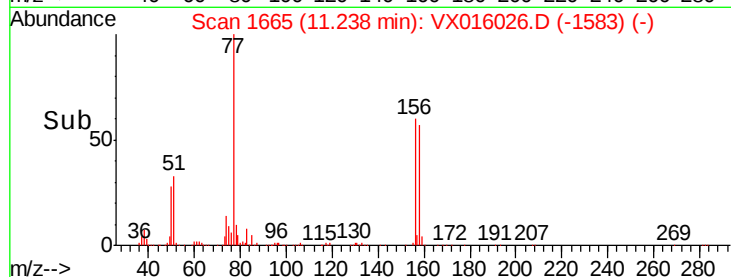
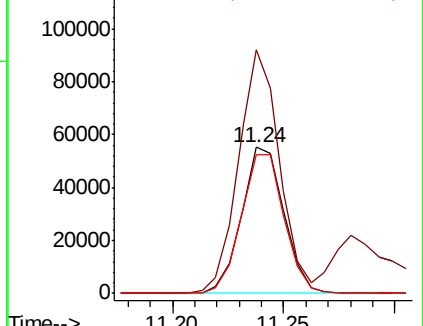
158 96.7 0.0 193.2



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: 17.220 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX016026.D

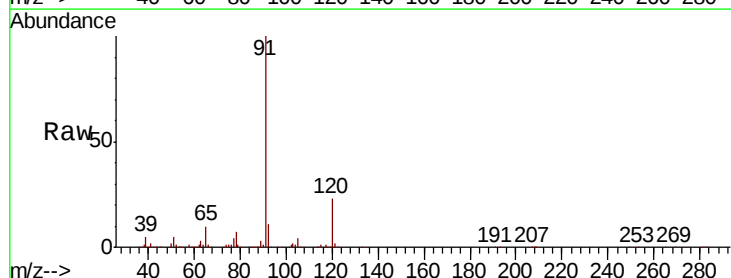
Acq: 01 May 2020 20:49

Tgt Ion: 91 Resp: 333494

Ion Ratio Lower Upper

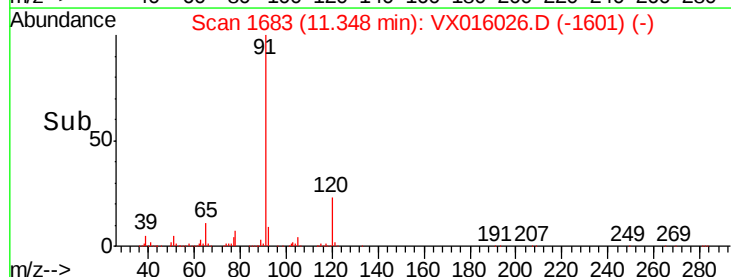
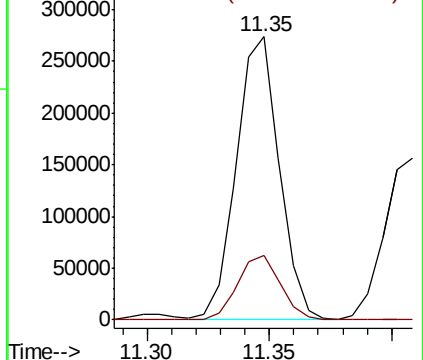
91 100

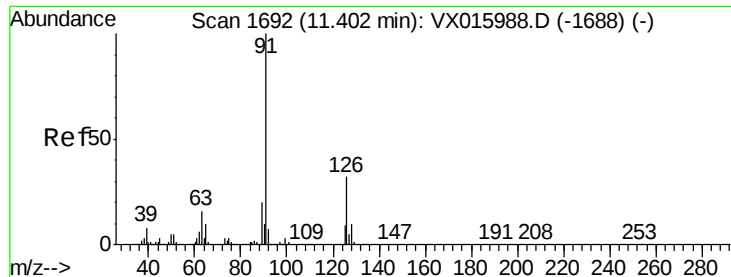
120 22.8 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.426 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

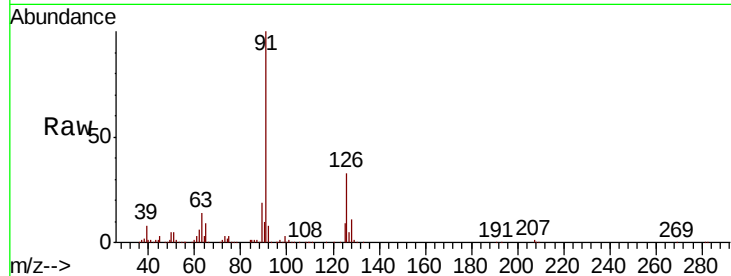
VSTDCCC020EC

Tot Ion: 91 Resp: 198321

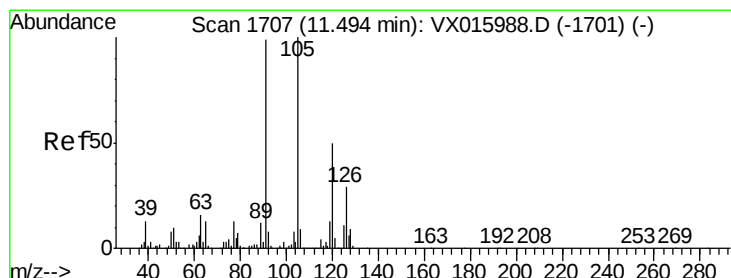
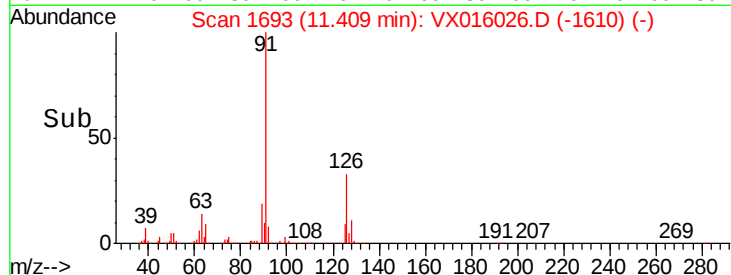
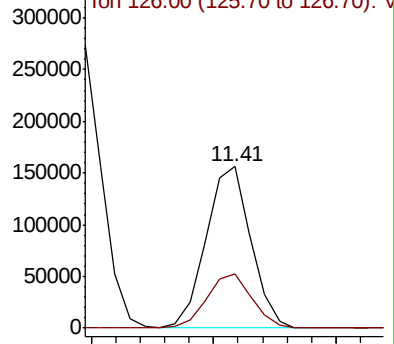
Ion Ratio Lower Upper

91 100

126 33.6 0.0 66.2



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



#76

1,3,5-Trimethylbenzene

Concen: 17.236 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016026.D

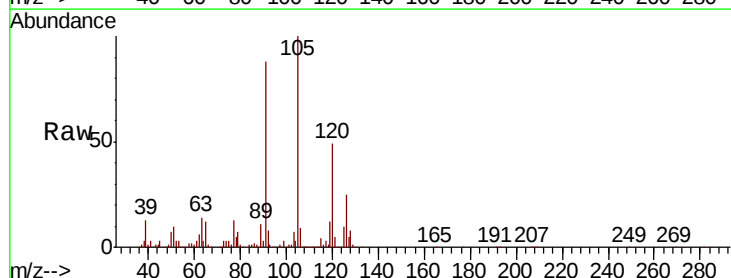
Acq: 01 May 2020 20:49

Tgt Ion: 105 Resp: 243945

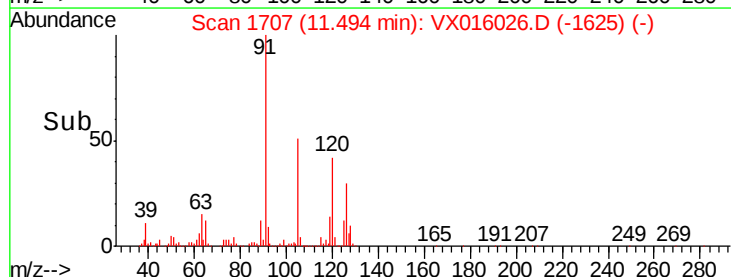
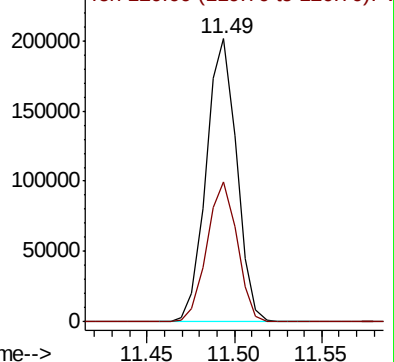
Ion Ratio Lower Upper

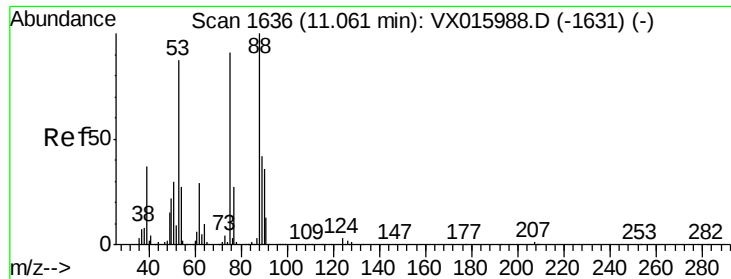
105 100

120 49.2 0.0 99.4



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





#77

t-1,4-Dichloro-2-butene

Concen: 16.807 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

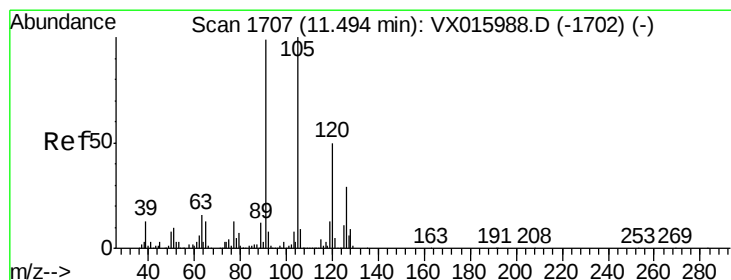
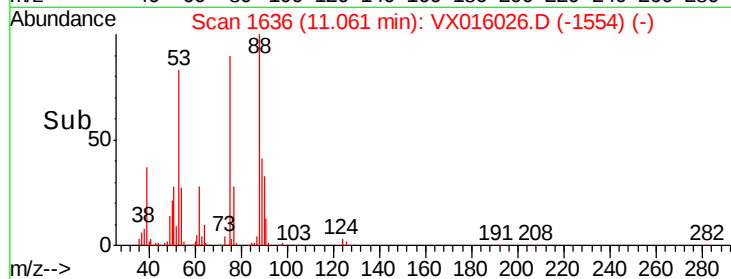
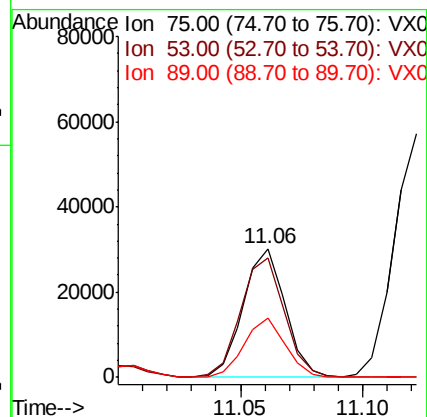
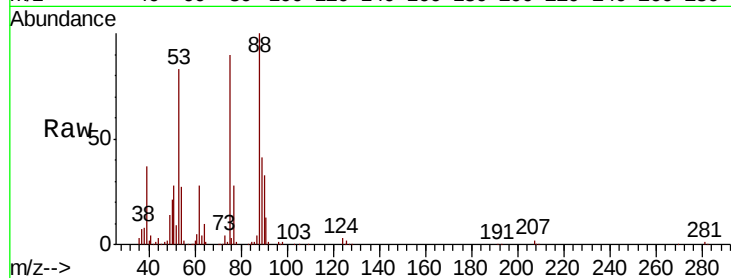
Tot Ion: 75 Resp: 36280

Ion Ratio Lower Upper

75 100

53 92.6 48.0 144.2

89 45.8 23.4 70.3



#78

4-Chlorotoluene

Concen: 17.272 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016026.D

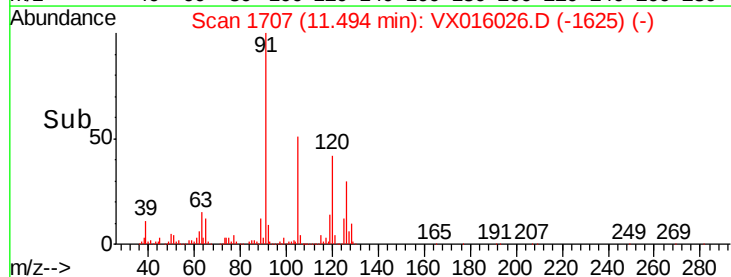
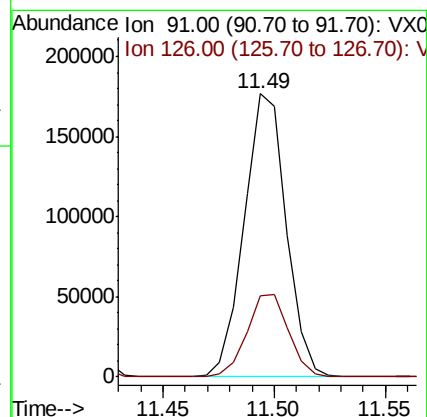
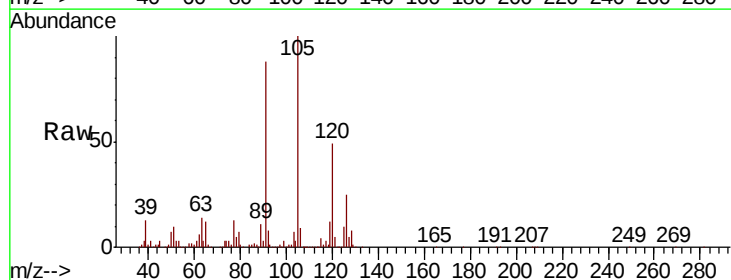
Acq: 01 May 2020 20:49

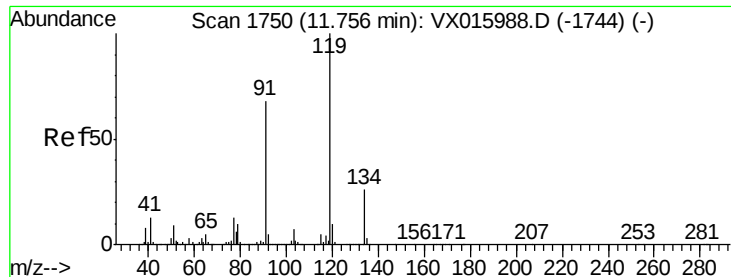
Tgt Ion: 91 Resp: 232675

Ion Ratio Lower Upper

91 100

126 29.0 0.0 58.4





#79

tert-butylbenzene

Concen: 17.327 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

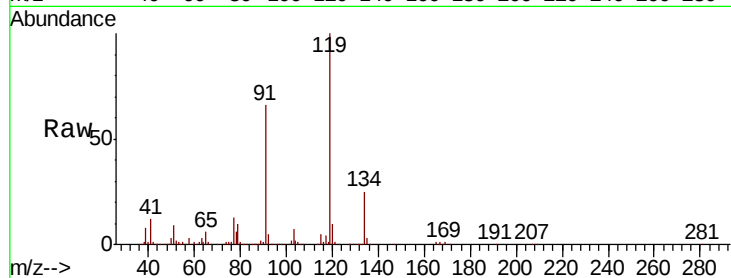
Tot Ion:119 Resp: 209434

Ion Ratio Lower Upper

119 100

91 64.8 0.0 135.6

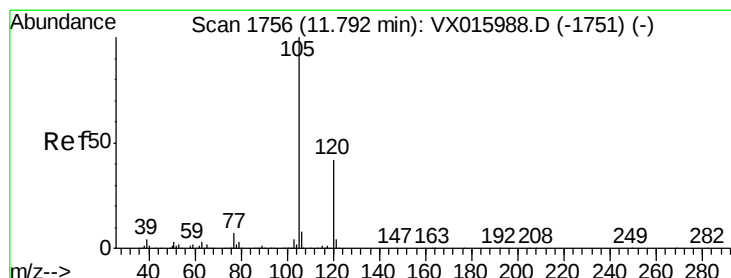
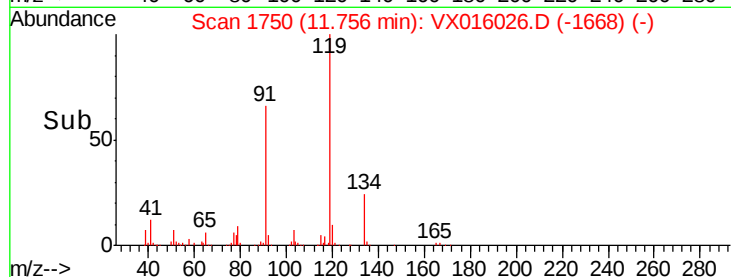
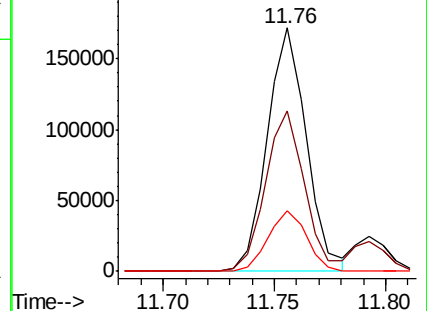
134 24.4 0.0 51.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 17.315 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016026.D

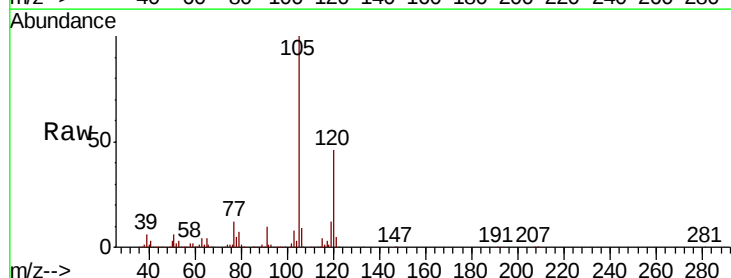
Acq: 01 May 2020 20:49

Tgt Ion:105 Resp: 244819

Ion Ratio Lower Upper

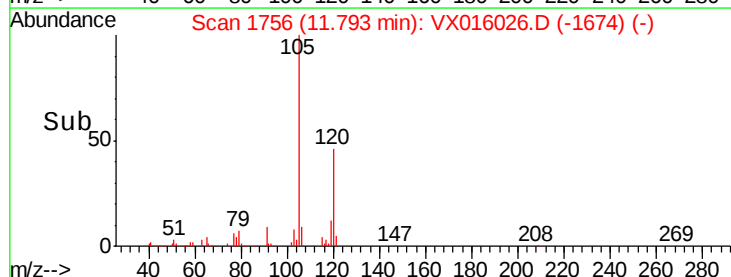
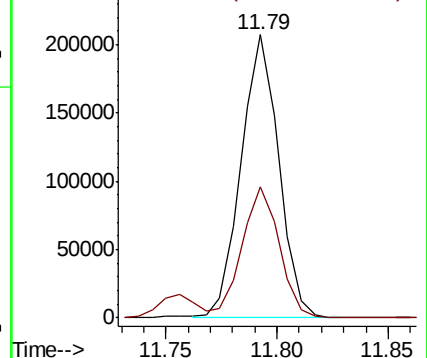
105 100

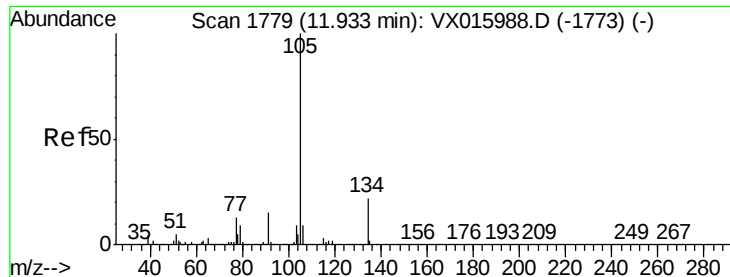
120 45.7 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 16.965 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

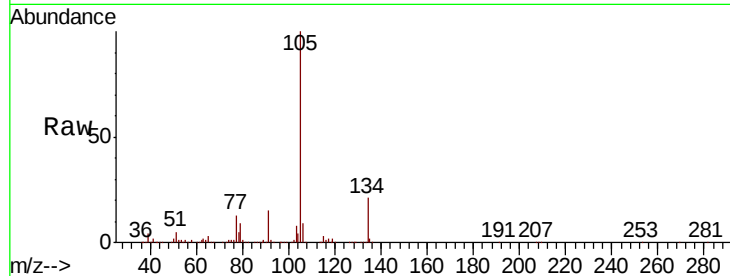
VSTDCCC020EC

Tot Ion:105 Resp: 276577

Ion Ratio Lower Upper

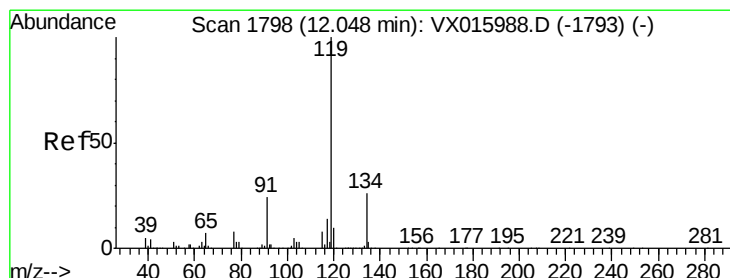
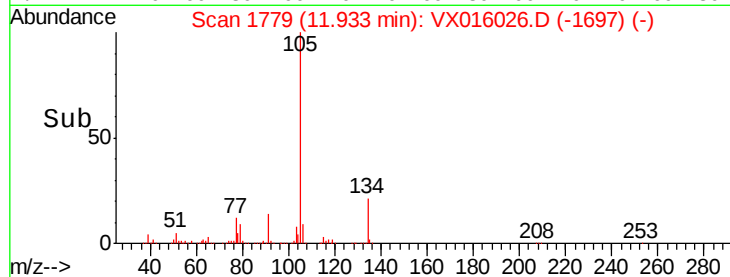
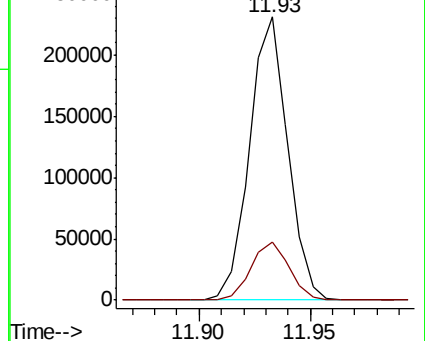
105 100

134 20.5 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: 16.654 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

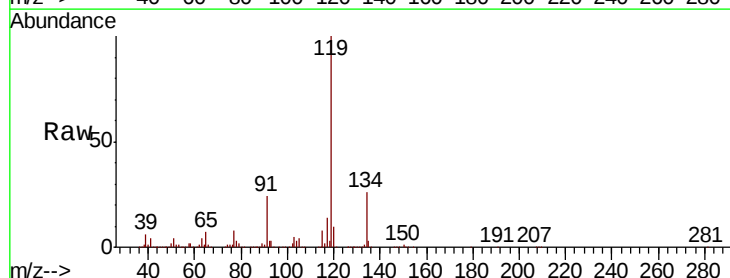
Tgt Ion:119 Resp: 251602

Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.6

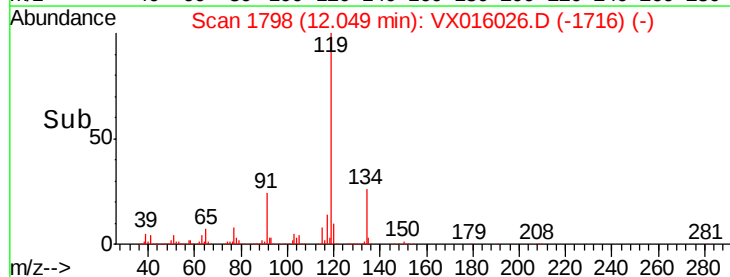
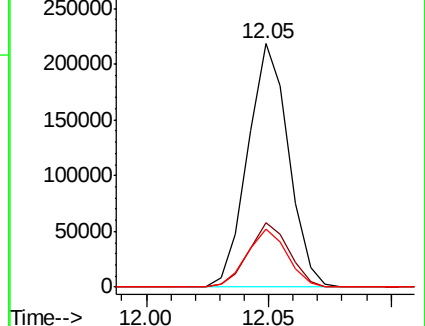
91 23.5 0.0 47.6

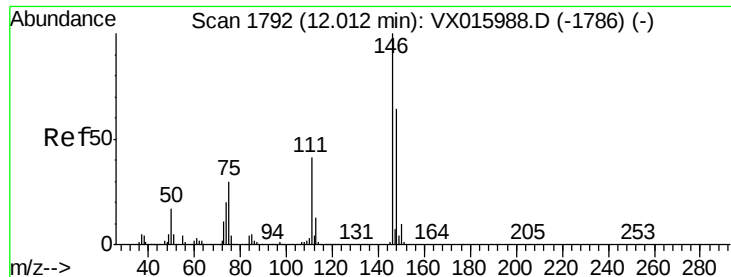


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

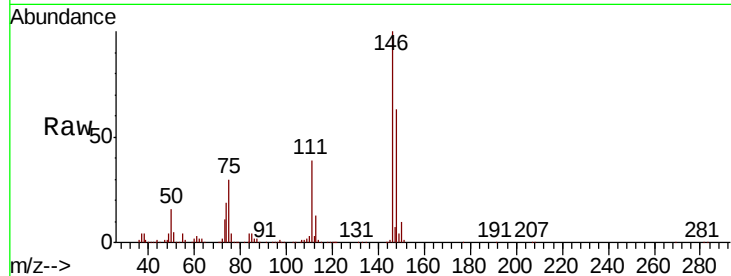




#83
 1,3-Dichlorobenzene
 Concen: 17.235 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	63.4	31.9	95.9

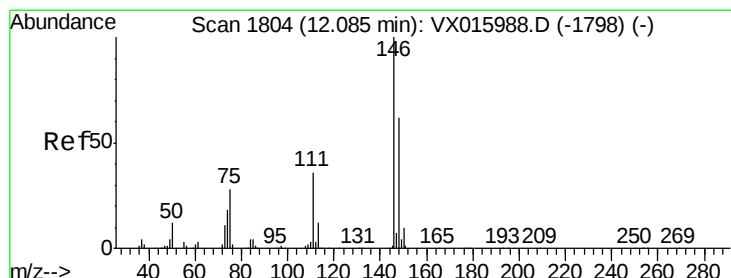
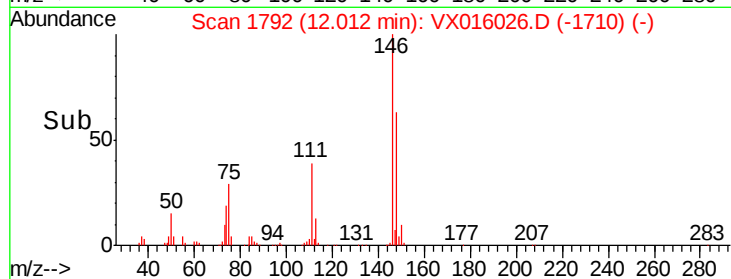
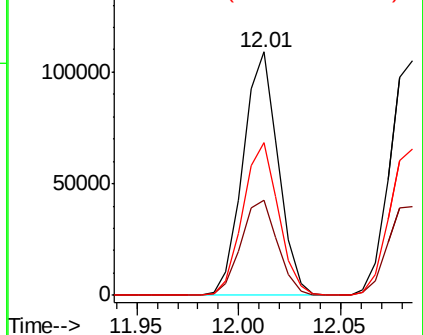


Abundance

Ion 146.00 (145.70 to 146.70): V

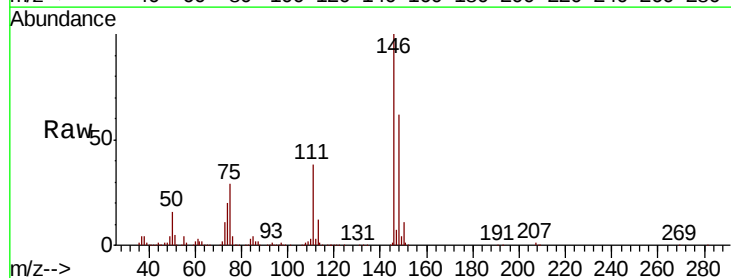
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84
 1,4-Dichlorobenzene
 Concen: 17.483 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	63.7	32.0	96.0

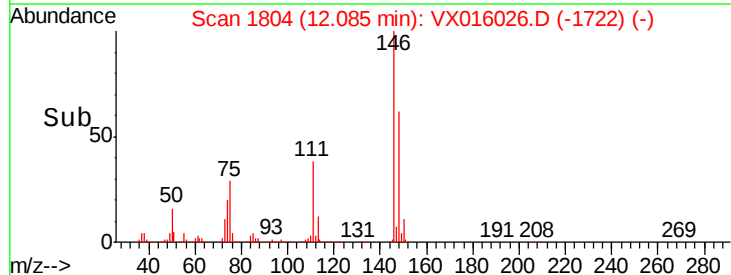
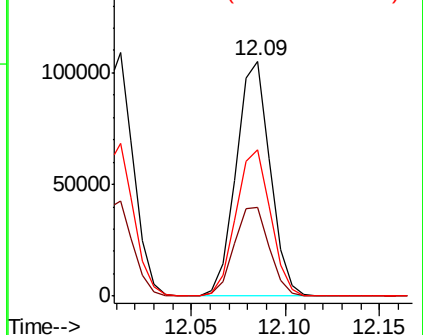


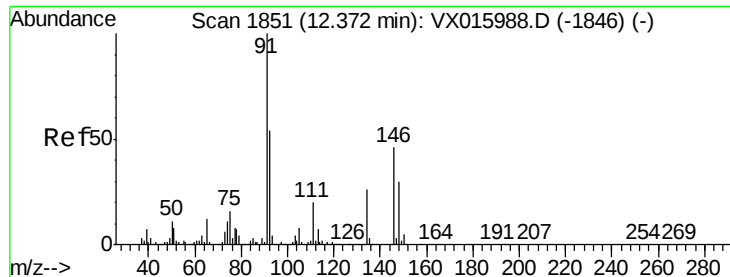
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

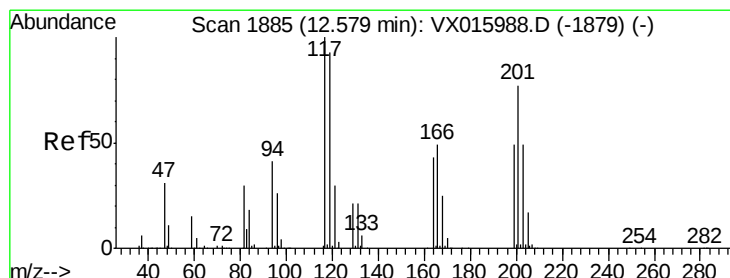
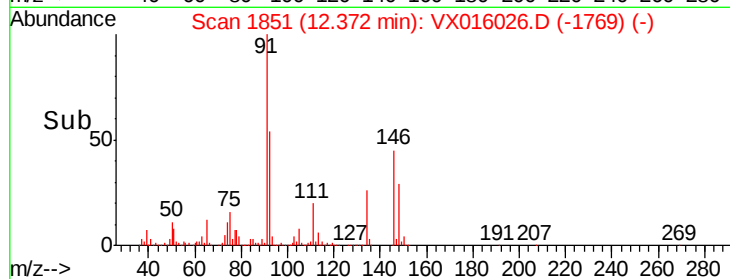
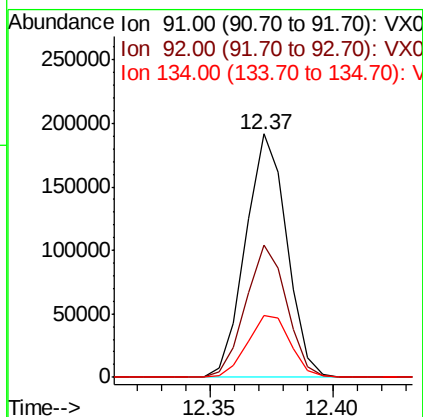
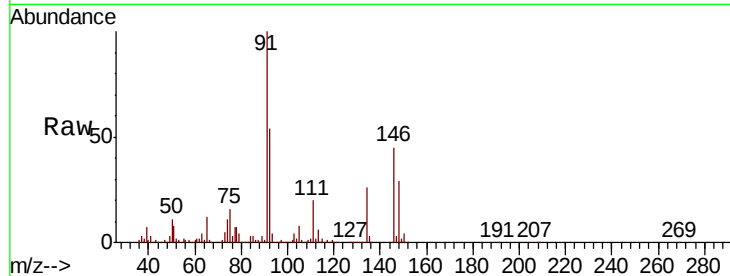




#85
n-Butylbenzene
Concen: 16.299 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

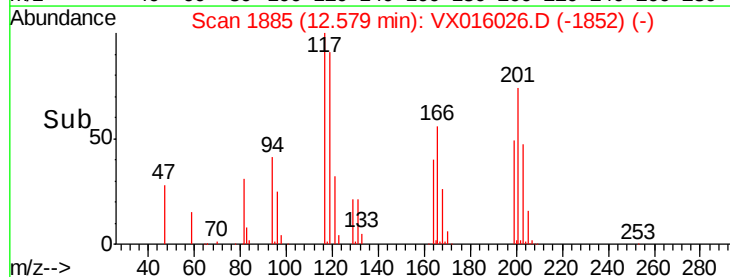
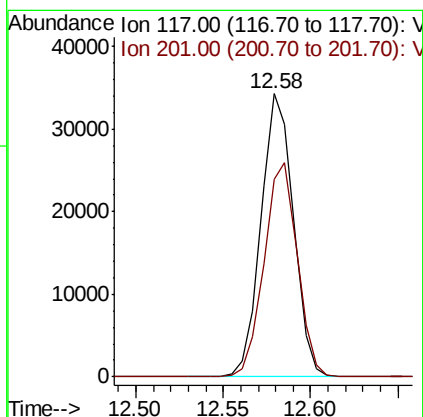
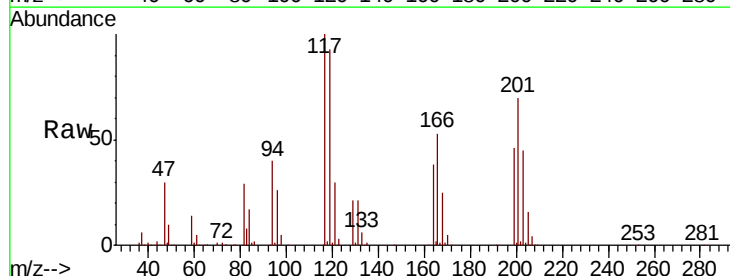
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

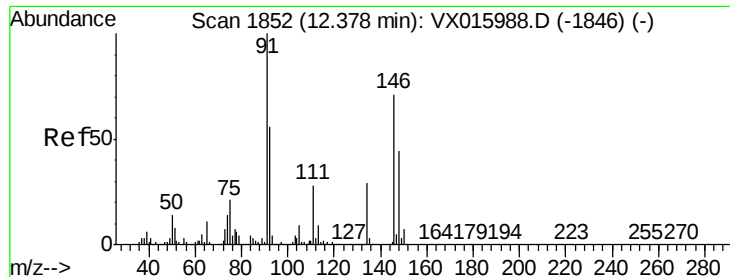
Tot Ion: 91 Resp: 224928
Ion Ratio Lower Upper
91 100
92 53.8 0.0 110.2
134 26.7 0.0 53.4



#86
Hexachloroethane
Concen: 16.611 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016026.D
Acq: 01 May 2020 20:49

Tgt Ion: 117 Resp: 44179
Ion Ratio Lower Upper
117 100
201 77.6 40.1 120.2





#87

1,2-Dichlorobenzene

Concen: 17.449 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

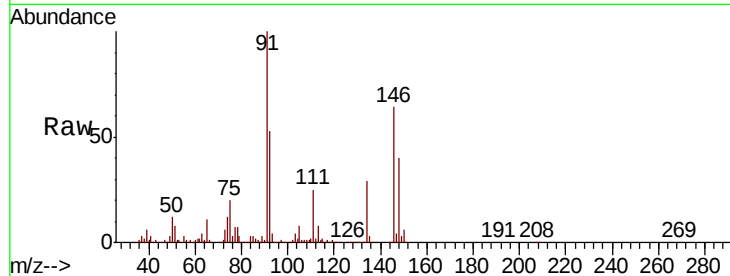
Tot Ion:146 Resp: 127838

Ion Ratio Lower Upper

146 100

111 41.5 20.7 62.1

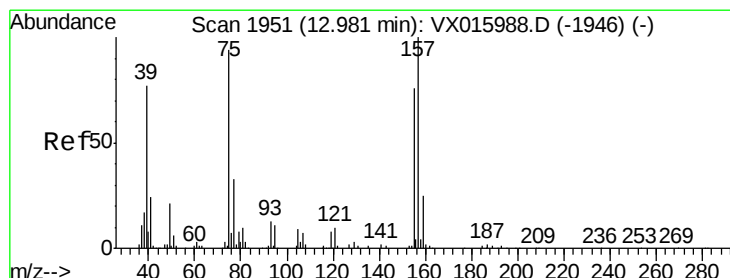
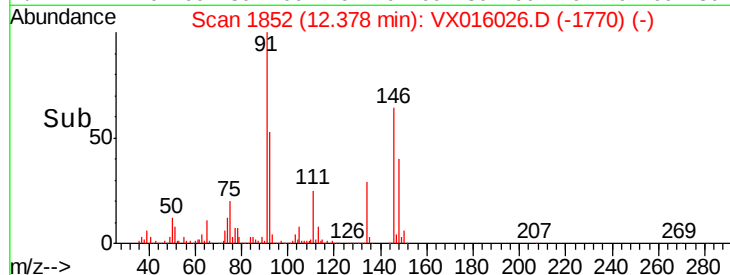
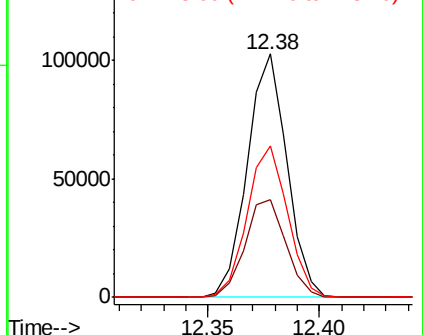
148 63.2 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.901 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

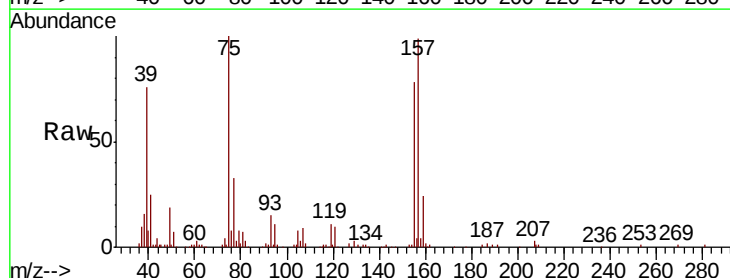
Tgt Ion: 75 Resp: 23217

Ion Ratio Lower Upper

75 100

155 81.5 66.9 100.3

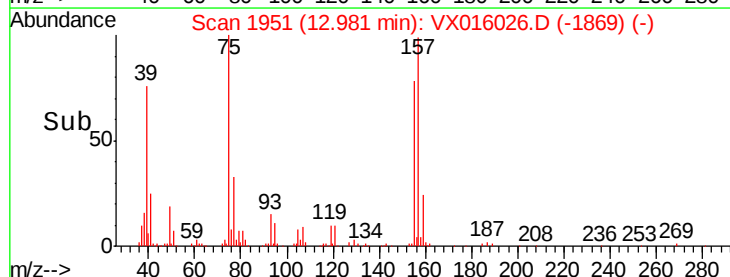
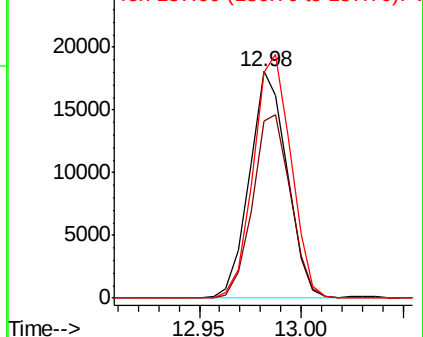
157 107.5 88.2 132.2

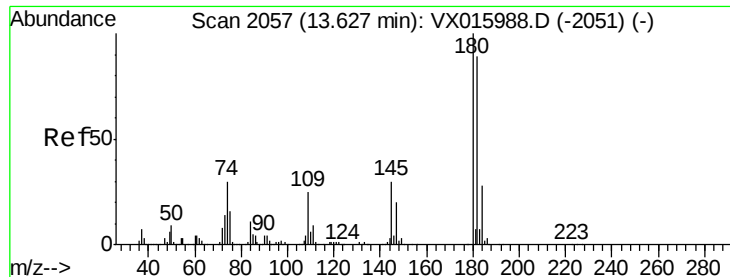


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

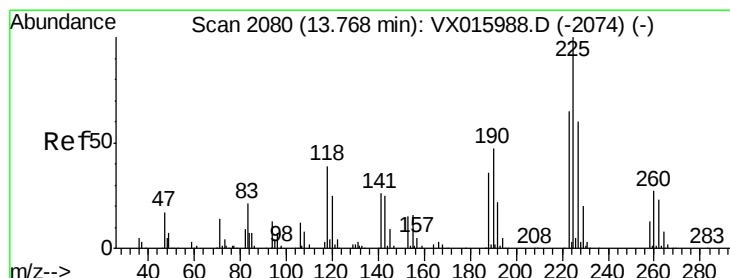
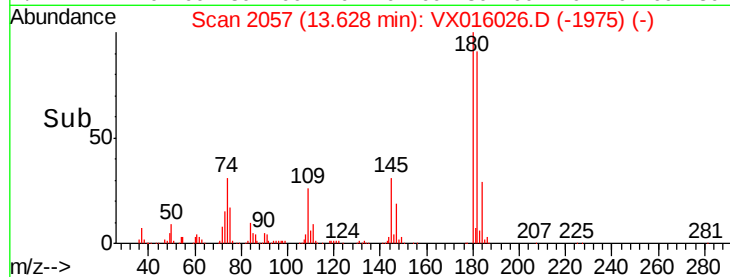
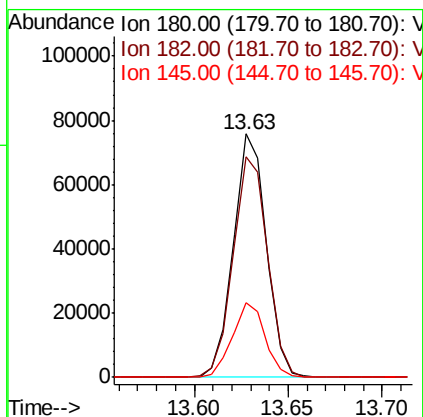
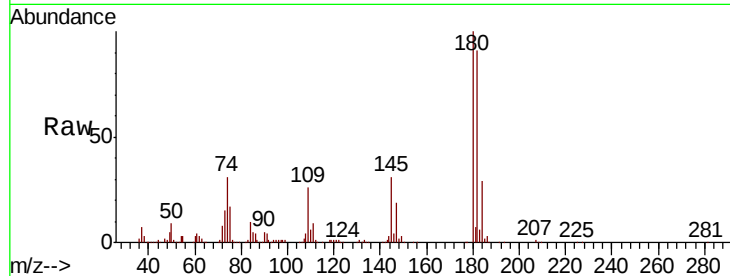




#89
 1,2,4-Trichlorobenzene
 Concen: 17.080 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

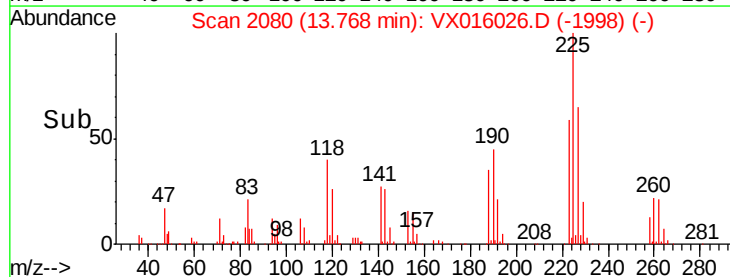
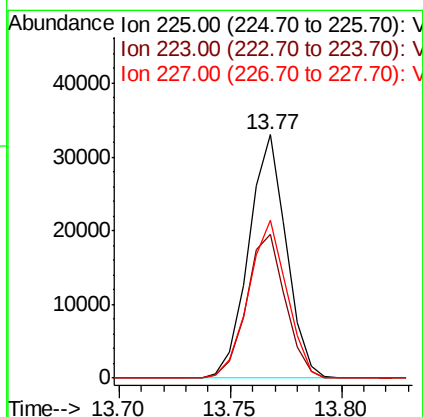
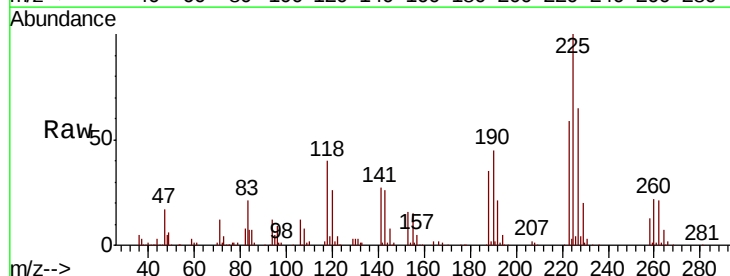
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

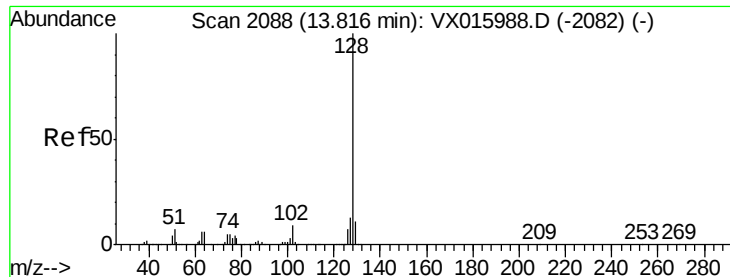
Tot Ion:180 Resp: 92166
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.0 112.6
 145 30.3 23.9 35.9



#90
 Hexachlorobutadiene
 Concen: 16.749 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016026.D
 Acq: 01 May 2020 20:49

Tgt Ion:225 Resp: 38845
 Ion Ratio Lower Upper
 225 100
 223 61.1 0.0 123.6
 227 66.2 0.0 123.6





#91

Naphthalene

Concen: 17.932 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

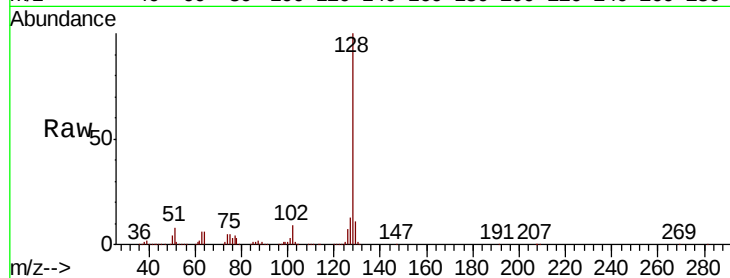
Tot Ion:128 Resp: 308064

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

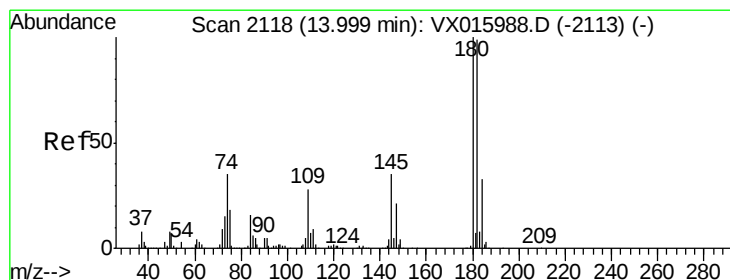
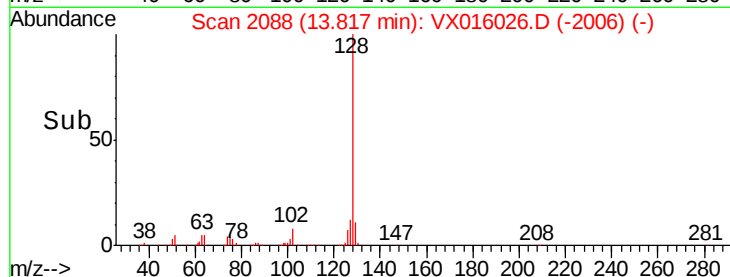
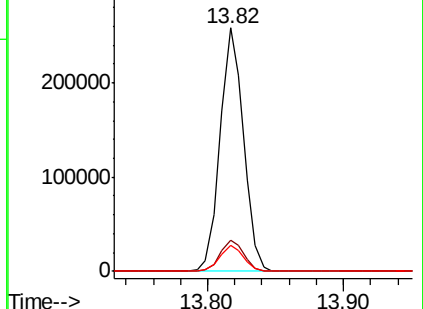
129 10.9 8.6 13.0



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



#92

1,2,3-Trichlorobenzene

Concen: 17.661 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX016026.D

Acq: 01 May 2020 20:49

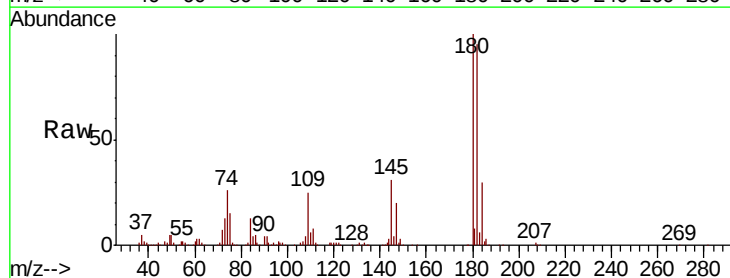
Tgt Ion:180 Resp: 91558

Ion Ratio Lower Upper

180 100

182 93.9 0.0 197.2

145 32.6 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

