

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120420\
 Data File : VX019717.D
 Acq On : 04 Dec 2020 15:10
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Dec 04 15:32:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 14:48:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	355541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	567602	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	517073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	264560	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		6.02	65	89045	18.99	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	37.98%#	
35) Dibromofluoromethane		5.46	113	72440	19.74	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	39.48%#	
50) Toluene-d8		8.69	98	280751	19.99	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	39.98%#	
62) 4-Bromofluorobenzene		11.12	95	108263	20.36	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	40.72%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	64806	20.720	ug/l	96
3) Chloromethane	1.31	50	72529	19.569	ug/l	99
4) Vinyl Chloride	1.39	62	80938	20.614	ug/l	100
5) Bromomethane	1.62	94	29067	18.816	ug/l	98
6) Chloroethane	1.70	64	49917	20.930	ug/l	100
7) Trichlorofluoromethane	1.91	101	113476	20.607	ug/l	97
8) Diethyl Ether	2.17	74	47236	20.176	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	65641	20.733	ug/l	99
10) Methyl Iodide	2.48	142	91037	19.611	ug/l	99
11) Tert butyl alcohol	3.01	59	97168	96.775	ug/l	99
12) 1,1-Dichloroethene	2.35	96	65089	20.376	ug/l	93
13) Acrolein	2.27	56	42217	82.201	ug/l	98
14) Allyl chloride	2.70	41	108502	20.045	ug/l	99
15) Acrylonitrile	3.11	53	207695	99.582	ug/l	100
16) Acetone	2.42	43	163055	92.137	ug/l	99
17) Carbon Disulfide	2.54	76	182840	20.099	ug/l	100
18) Methyl Acetate	2.75	43	80140	18.792	ug/l	100
19) Methyl tert-butyl Ether	3.16	73	240365	20.569	ug/l	99
20) Methylene Chloride	2.83	84	82443	18.449	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	76618	20.528	ug/l	97
22) Diisopropyl ether	3.82	45	227167	20.755	ug/l	97
23) Vinyl Acetate	3.78	43	965048	103.364	ug/l	100
24) 1,1-Dichloroethane	3.67	63	134629	20.404	ug/l	99
25) 2-Butanone	4.62	43	259283	96.637	ug/l	98
26) 2,2-Dichloropropane	4.54	77	115833	20.368	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	88401	20.195	ug/l	100
28) Bromochloromethane	4.97	49	63514	19.884	ug/l	98
29) Tetrahydrofuran	5.08	42	168310	98.099	ug/l	100
30) Chloroform	5.17	83	138603	20.391	ug/l	100
31) Cyclohexane	5.54	56	119609	21.061	ug/l	99
32) 1,1,1-Trichloroethane	5.45	97	119311	20.422	ug/l	99
36) 1,1-Dichloropropene	5.76	75	105673	21.038	ug/l	99
37) Ethyl Acetate	4.78	43	102526	20.060	ug/l	99
38) Carbon Tetrachloride	5.74	117	101368	20.523	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	127288	21.691	ug/l	98
40) Benzene	6.10	78	319044	20.762	ug/l	99
41) Methacrylonitrile	4.99	41	54707	19.485	ug/l	97
42) 1,2-Dichloroethane	6.15	62	109799	20.881	ug/l	100
43) Isopropyl Acetate	6.40	43	165762	19.979	ug/l	100
44) Trichloroethene	7.18	130	84294	20.947	ug/l	97
45) 1,2-Dichloropropane	7.48	63	80109	20.841	ug/l	98
46) Dibromomethane	7.63	93	53677	20.674	ug/l	100
47) Bromodichloromethane	7.87	83	105670	20.487	ug/l	98
48) Methyl methacrylate	7.74	41	82228	20.168	ug/l	99
49) 1,4-Dioxane	7.71	88	40971	415.783	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	519980	102.752	ug/l	100
52) Toluene	8.76	92	201455	20.965	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	119429	20.894	ug/l	99
54) cis-1,3-Dichloropropene	8.41	75	130981	21.118	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	80563	20.731	ug/l	98
56) Ethyl methacrylate	9.15	69	120819	20.551	ug/l	100
57) 1,3-Dichloropropane	9.35	76	136016	20.492	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	316293	100.830	ug/l	100
59) 2-Hexanone	9.47	43	410520	104.790	ug/l	99
60) Dibromochloromethane	9.56	129	80868	20.512	ug/l	99
61) 1,2-Dibromoethane	9.65	107	84754	20.545	ug/l	99
64) Tetrachloroethene	9.31	164	73562	21.733	ug/l	94
65) Chlorobenzene	10.12	112	214254	21.234	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	77085	21.233	ug/l	99
67) Ethyl Benzene	10.23	91	388242	21.731	ug/l	100
68) m/p-Xylenes	10.34	106	296346	44.036	ug/l	98
69) o-Xylene	10.68	106	140189	21.650	ug/l	99
70) Styrene	10.70	104	236520	21.597	ug/l	100
71) Bromoform	10.84	173	60777	21.345	ug/l #	100
73) Isopropylbenzene	11.00	105	380080	21.384	ug/l	99
74) N-amyl acetate	10.88	43	148427	20.872	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	128402	20.426	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	147434	25.135	ug/l	89
77) Bromobenzene	11.24	156	95609	21.023	ug/l	98
78) n-propylbenzene	11.34	91	432488	21.237	ug/l	99
79) 2-Chlorotoluene	11.40	91	259437	20.717	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	319047	21.249	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.05	75	40932	20.204	ug/l	96
82) 4-Chlorotoluene	11.49	91	310622	21.259	ug/l	99
83) tert-Butylbenzene	11.76	119	308621	20.902	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	323433	21.369	ug/l	100
85) sec-Butylbenzene	11.93	105	358416	21.309	ug/l	99
86) p-Isopropyltoluene	12.05	119	332523	21.584	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	174781	20.956	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	177798	20.998	ug/l	99
89) n-Butylbenzene	12.37	91	287902	21.086	ug/l	100
90) Hexachloroethane	12.58	117	53543	20.060	ug/l	98
91) 1,2-Dichlorobenzene	12.37	146	169811	20.853	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	25773	18.916	ug/l	98

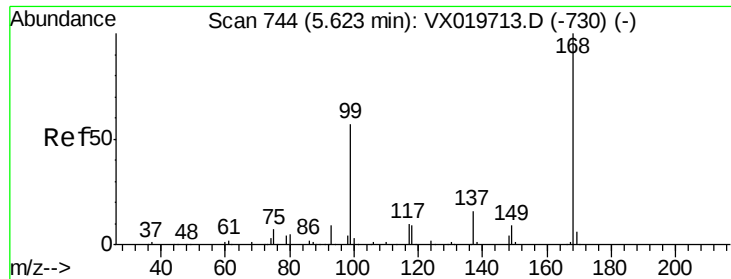
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	111484	21.048	ug/l	98
94) Hexachlorobutadiene	13.76	225	48741	20.569	ug/l	99
95) Naphthalene	13.82	128	353899	20.489	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	107690	20.740	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 743

Delta R.T. -0.01 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

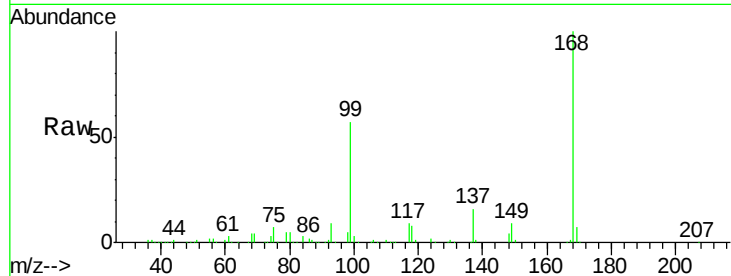
VSTDIC020

Tgt Ion:168 Resp: 355541

Ion Ratio Lower Upper

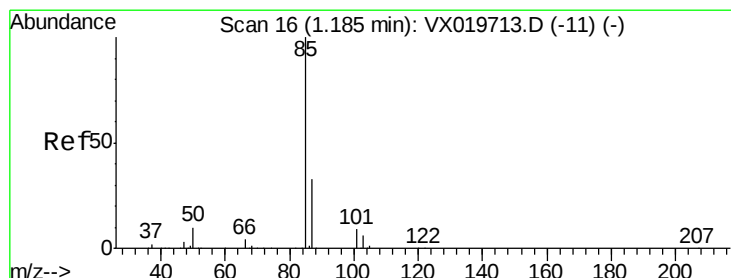
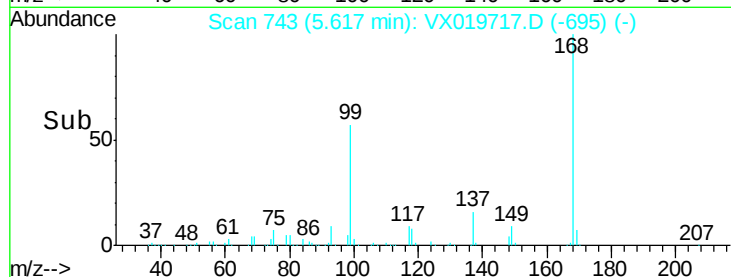
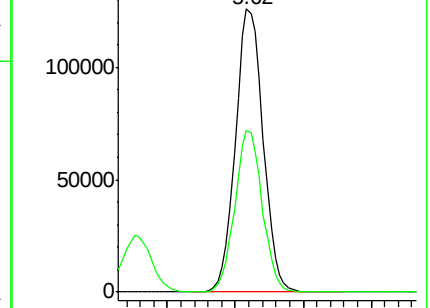
168 100

99 57.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.720 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019717.D

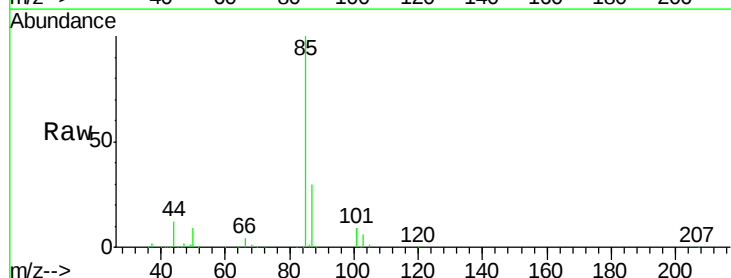
Acq: 04 Dec 2020 15:10

Tgt Ion: 85 Resp: 64806

Ion Ratio Lower Upper

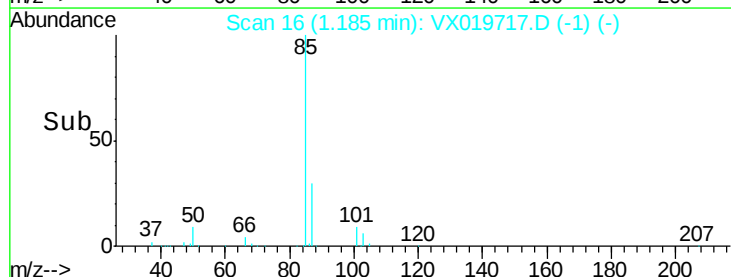
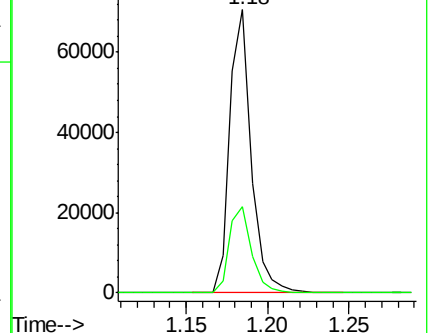
85 100

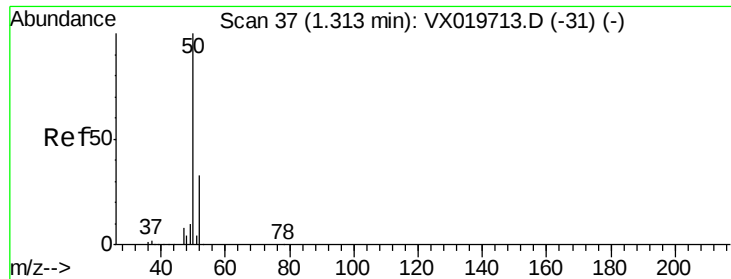
87 30.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.569 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

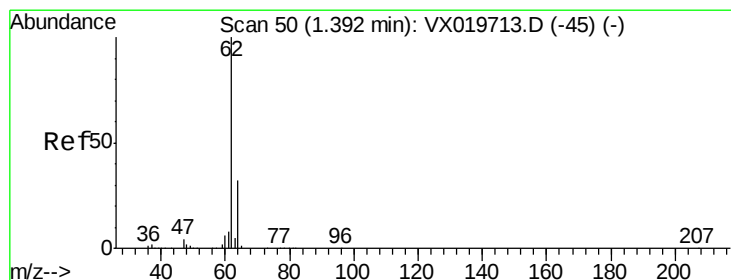
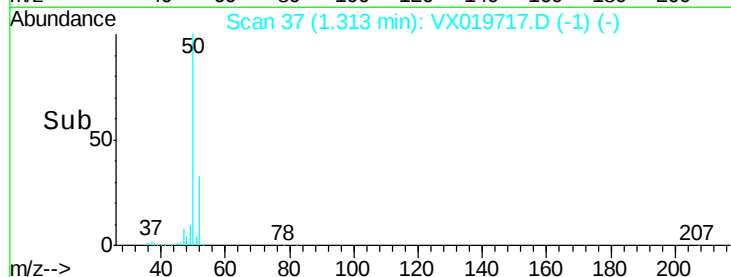
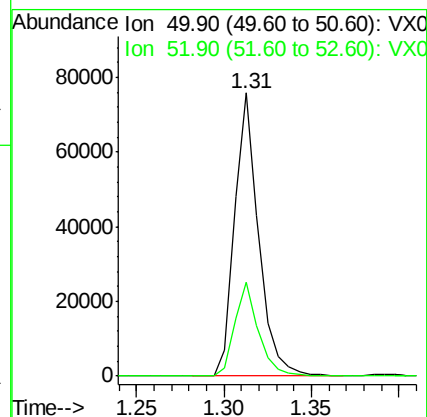
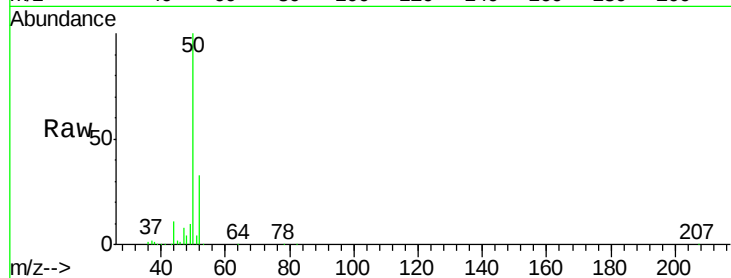
VSTDIC020

Tgt Ion: 50 Resp: 72529

Ion Ratio Lower Upper

50 100

52 33.4 26.4 39.6



#4

Vinyl Chloride

Concen: 20.614 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019717.D

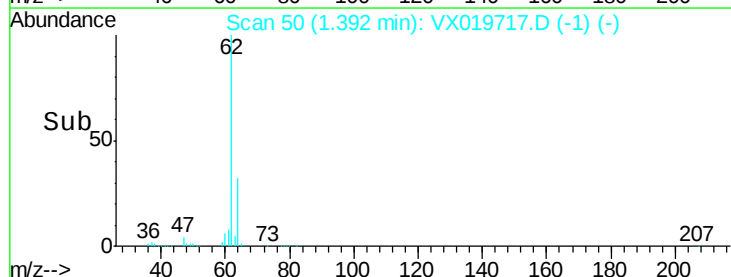
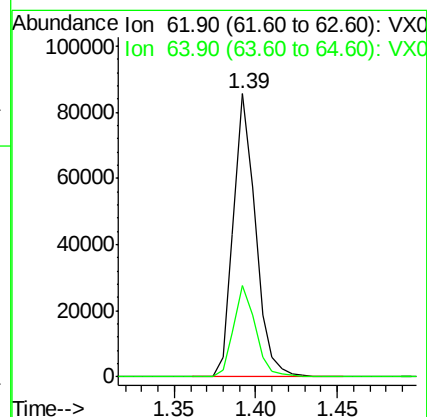
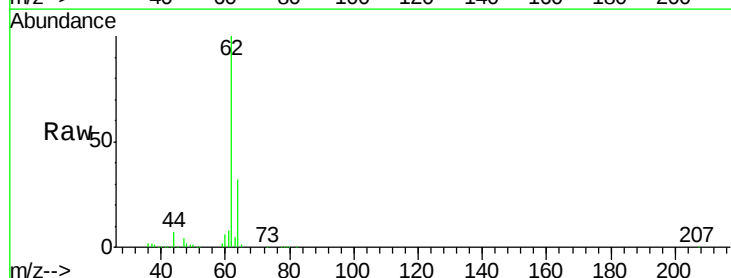
Acq: 04 Dec 2020 15:10

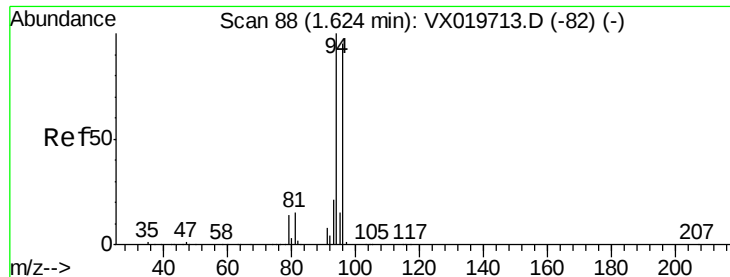
Tgt Ion: 62 Resp: 80938

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 18.816 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

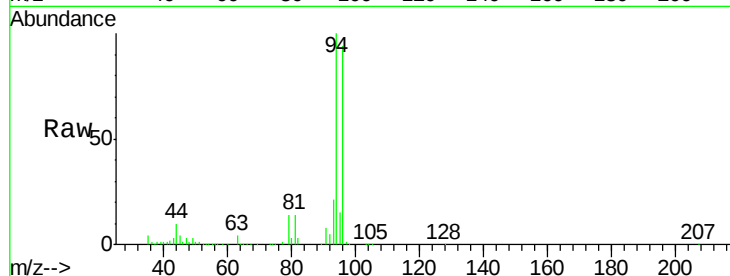
VSTDIC020

Tgt Ion: 94 Resp: 29067

Ion Ratio Lower Upper

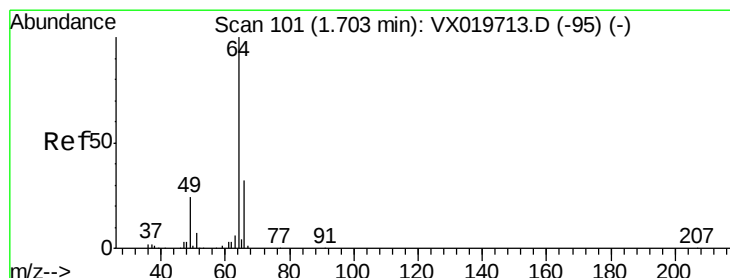
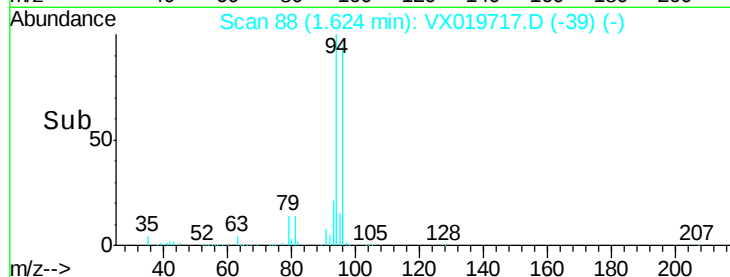
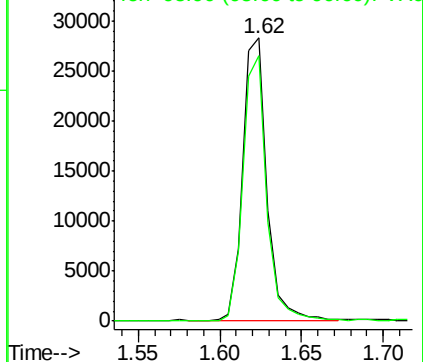
94 100

96 94.0 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.930 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX019717.D

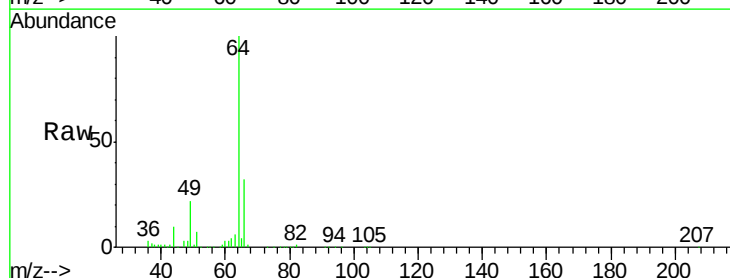
Acq: 04 Dec 2020 15:10

Tgt Ion: 64 Resp: 49917

Ion Ratio Lower Upper

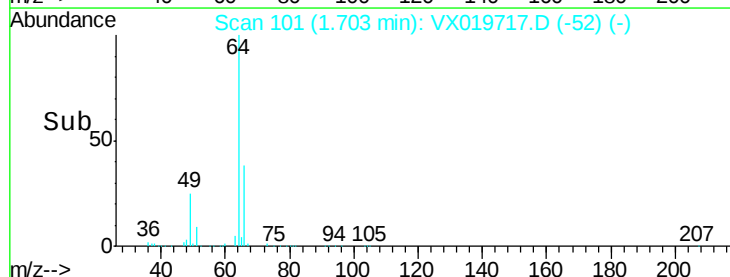
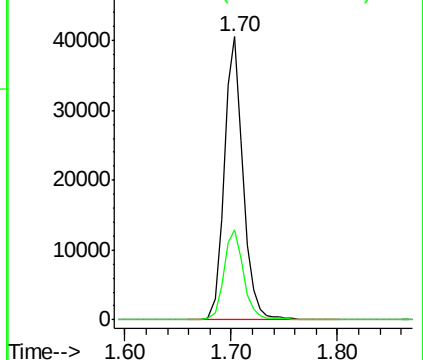
64 100

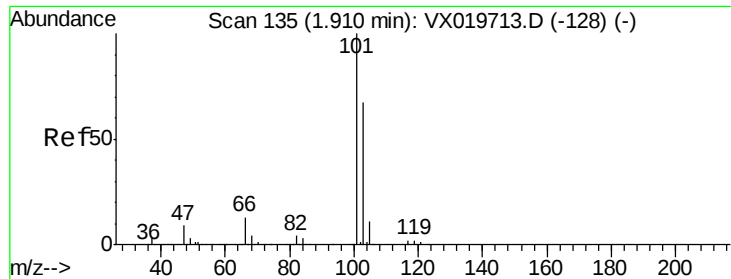
66 31.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



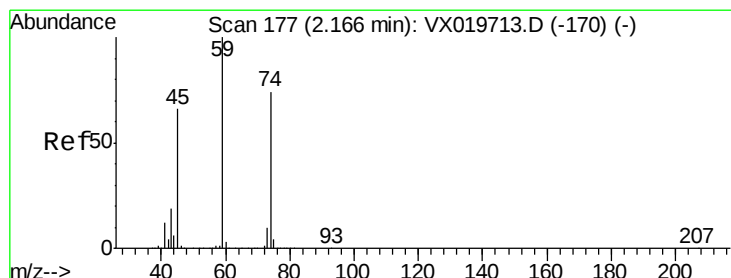
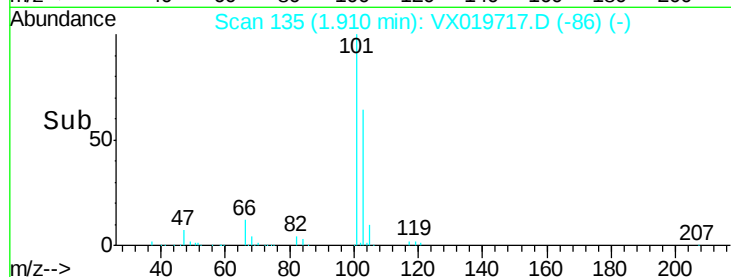
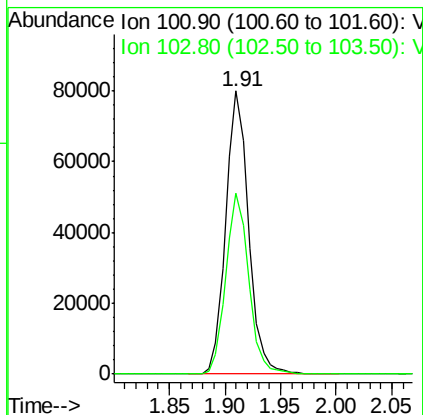
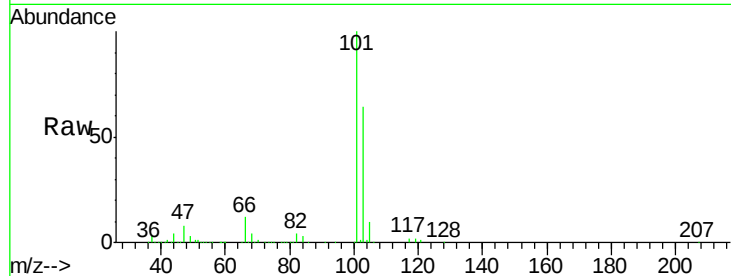


#7

Trichlorofluoromethane
 Concen: 20.607 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

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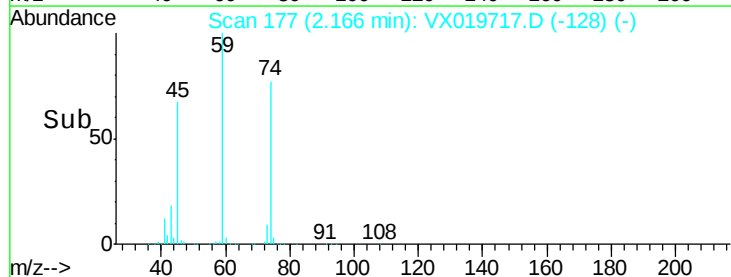
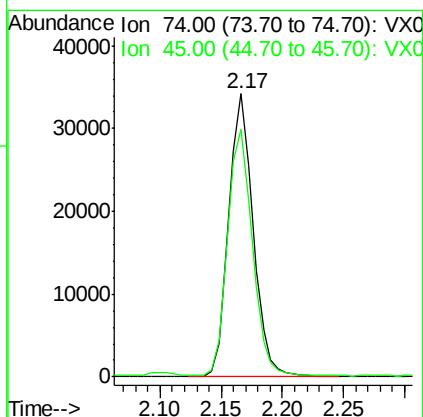
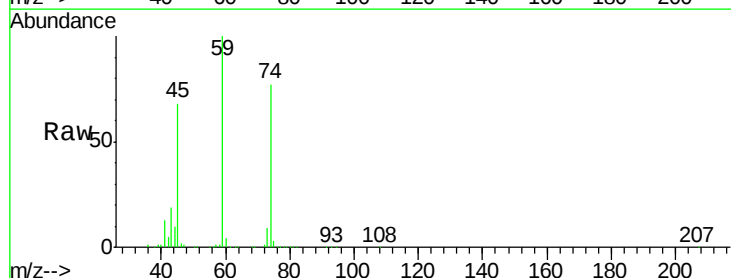
Tgt Ion:101 Resp: 113476
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.2 79.8

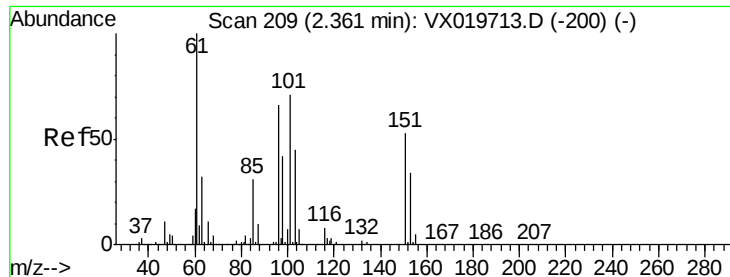


#8

Diethyl Ether
 Concen: 20.176 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

Tgt Ion: 74 Resp: 47236
 Ion Ratio Lower Upper
 74 100
 45 88.7 44.5 133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.733 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

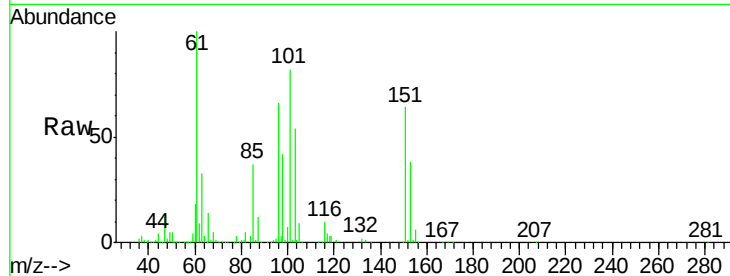
Tgt Ion:101 Resp: 65641

Ion Ratio Lower Upper

101 100

85 43.5 34.9 52.3

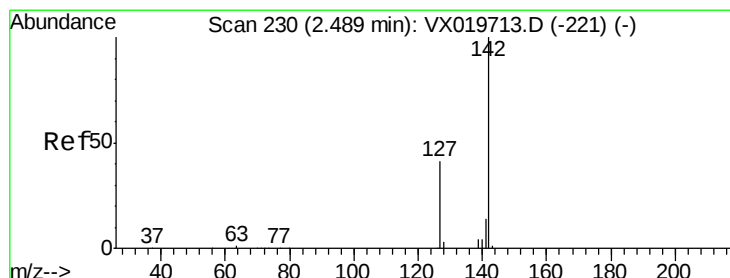
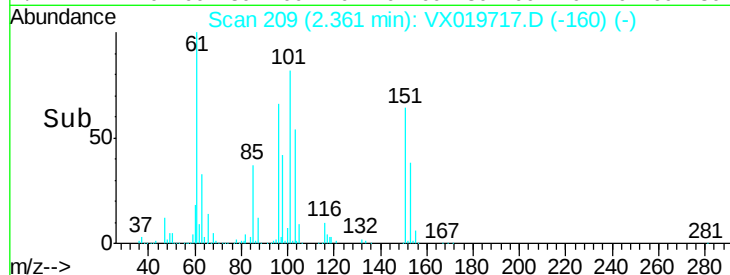
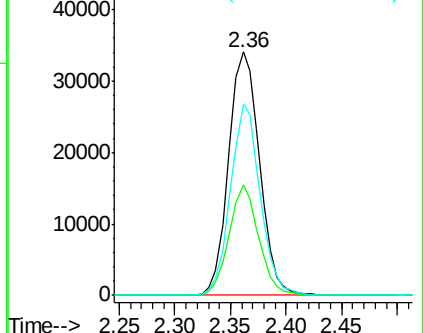
151 75.5 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.611 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

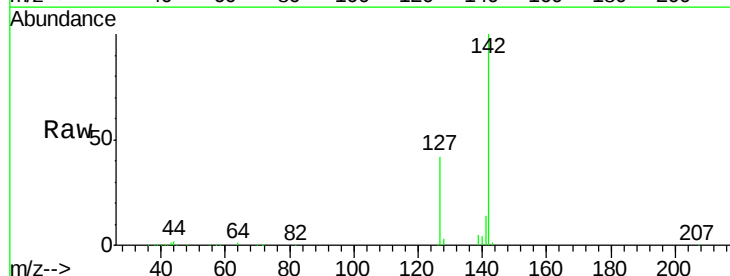
Tgt Ion:142 Resp: 91037

Ion Ratio Lower Upper

142 100

127 42.7 33.3 49.9

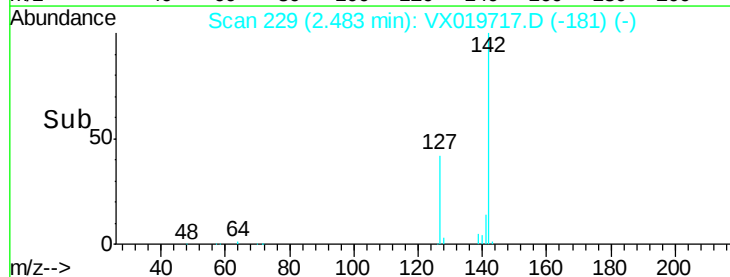
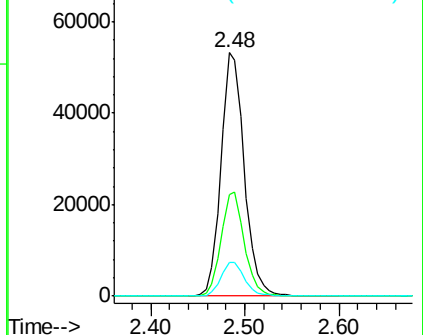
141 14.4 11.4 17.0

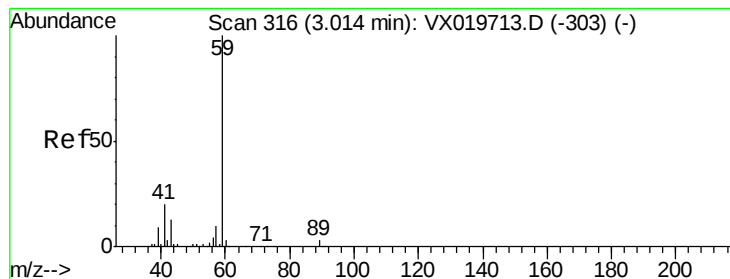


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.775 ug/l

RT: 3.01 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

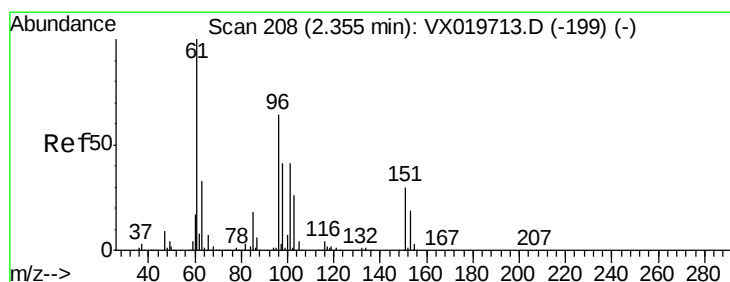
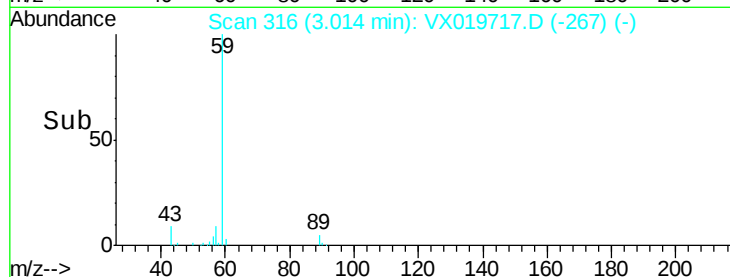
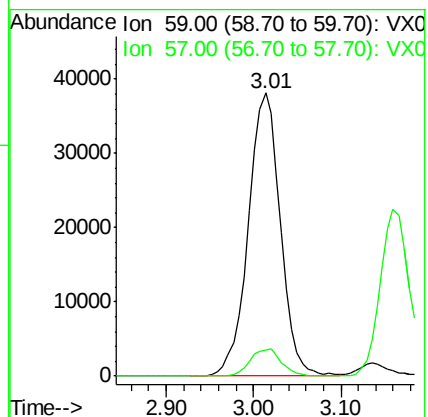
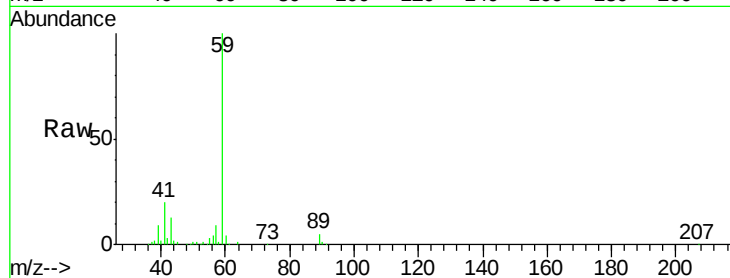
VSTDIC020

Tgt Ion: 59 Resp: 97168

Ion Ratio Lower Upper

59 100

57 9.3 7.8 11.8



#12

1,1-Dichloroethene

Concen: 20.376 ug/l

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

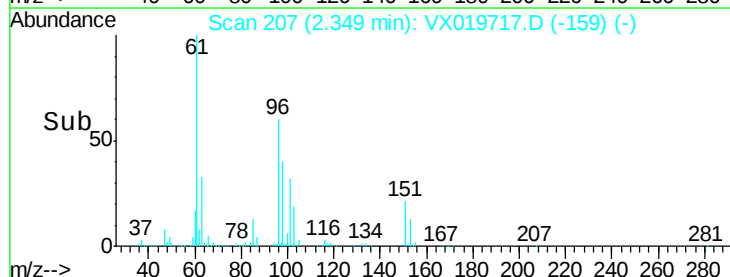
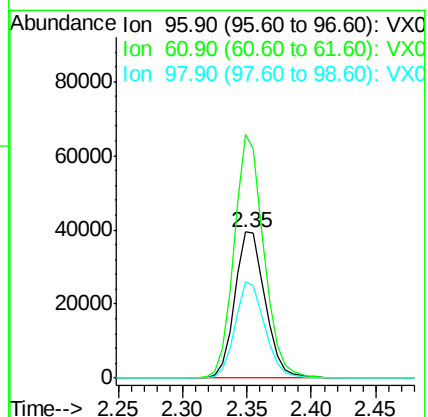
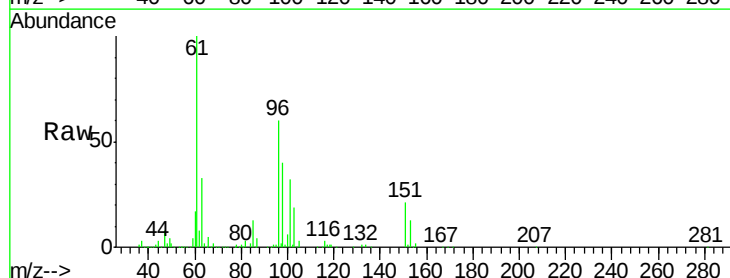
Tgt Ion: 96 Resp: 65089

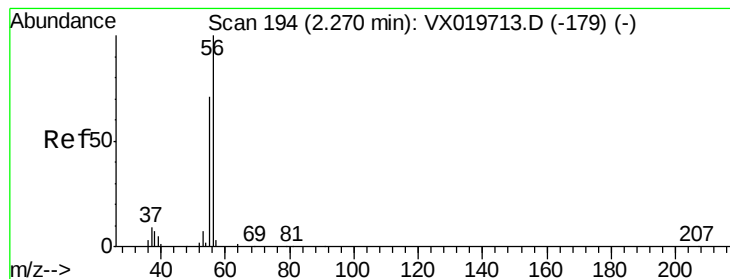
Ion Ratio Lower Upper

96 100

61 166.5 124.6 187.0

98 65.8 50.6 76.0





#13

Acrolein

Concen: 82.201 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

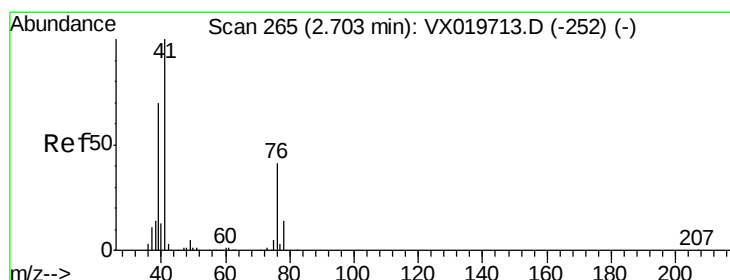
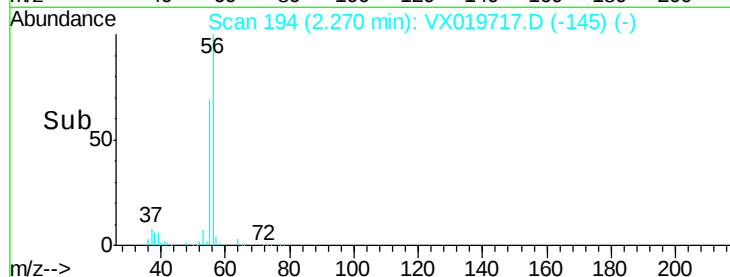
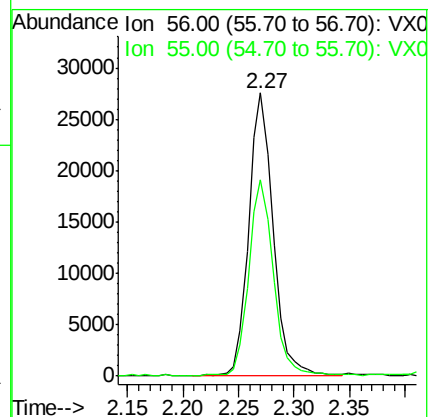
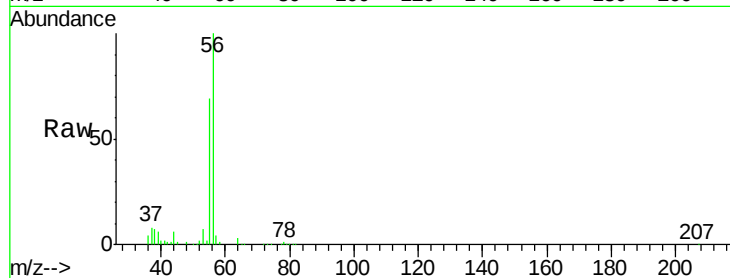
VSTDIC020

Tgt Ion: 56 Resp: 42217

Ion Ratio Lower Upper

56 100

55 69.2 56.4 84.6



#14

Allyl chloride

Concen: 20.045 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

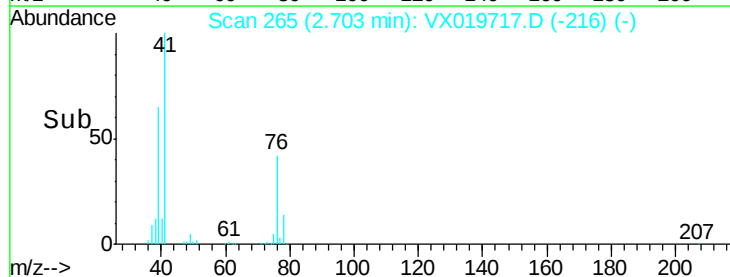
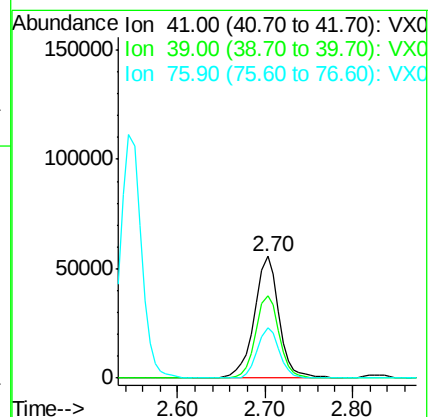
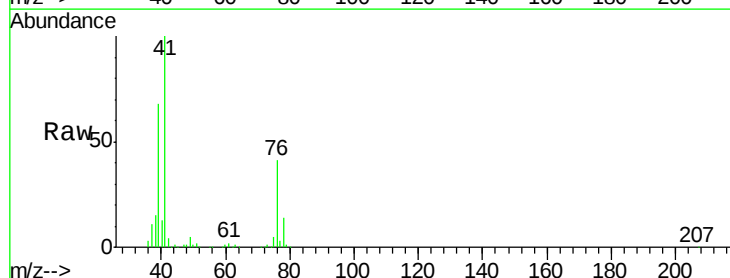
Tgt Ion: 41 Resp: 108502

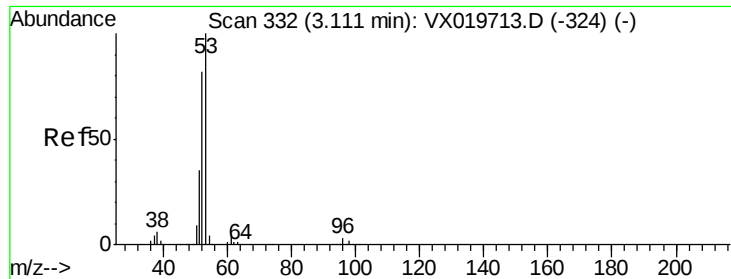
Ion Ratio Lower Upper

41 100

39 64.5 51.6 77.4

76 37.3 30.5 45.7





#15

Acrylonitrile

Concen: 99.582 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

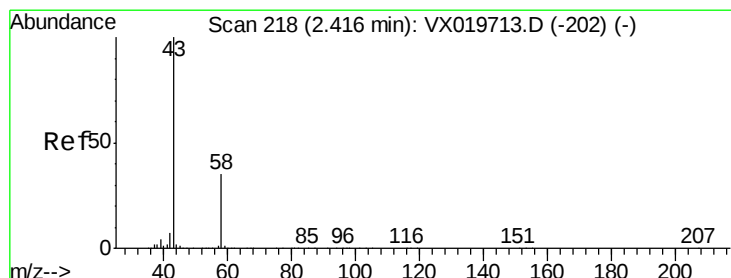
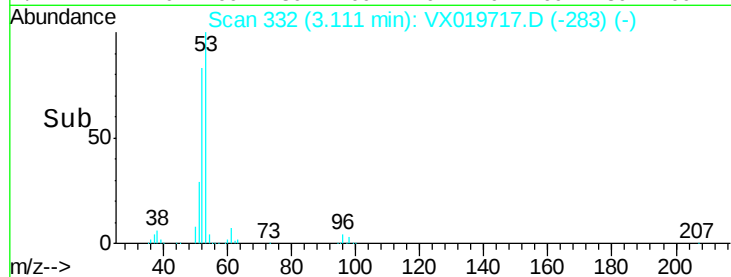
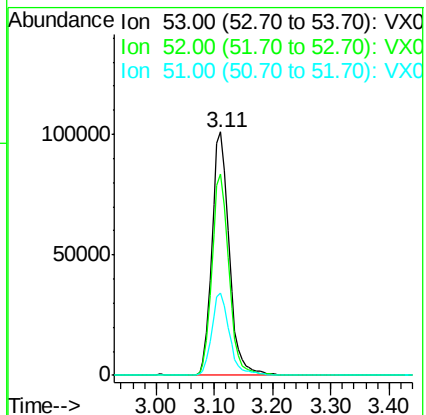
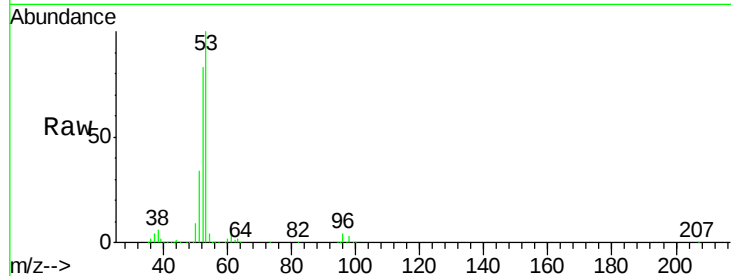
Tgt Ion: 53 Resp: 207695

Ion Ratio Lower Upper

53 100

52 81.5 65.3 97.9

51 34.8 28.2 42.2



#16

Acetone

Concen: 92.137 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019717.D

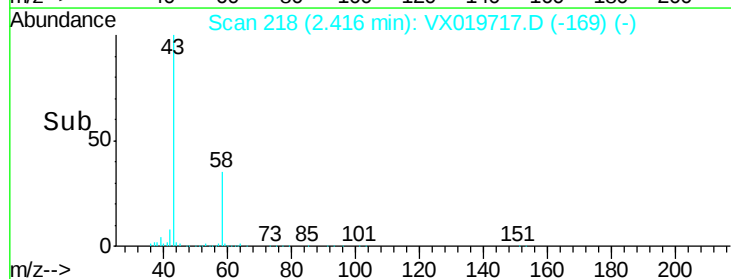
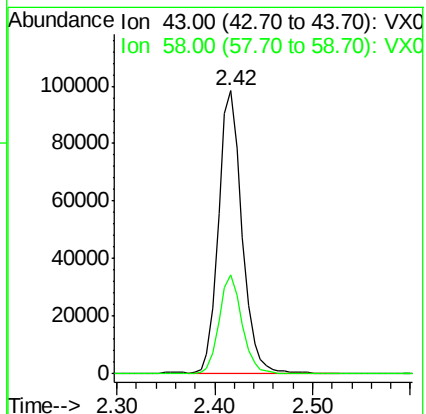
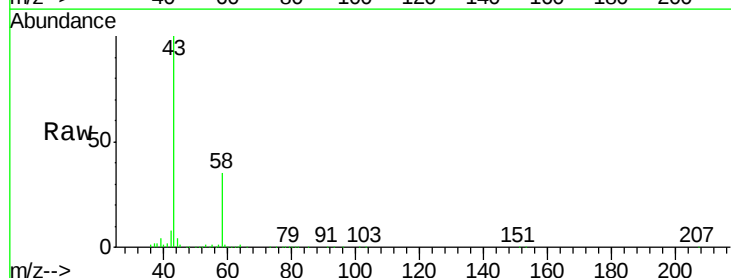
Acq: 04 Dec 2020 15:10

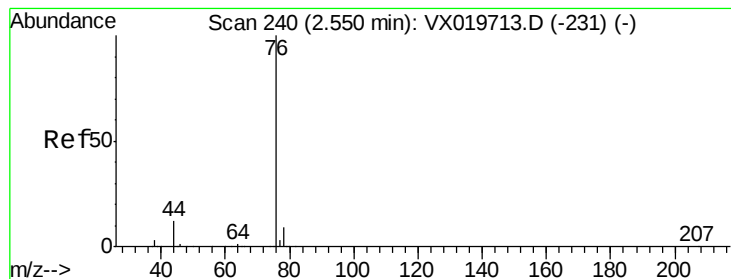
Tgt Ion: 43 Resp: 163055

Ion Ratio Lower Upper

43 100

58 35.1 27.8 41.8





#17

Carbon Disulfide

Concen: 20.099 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

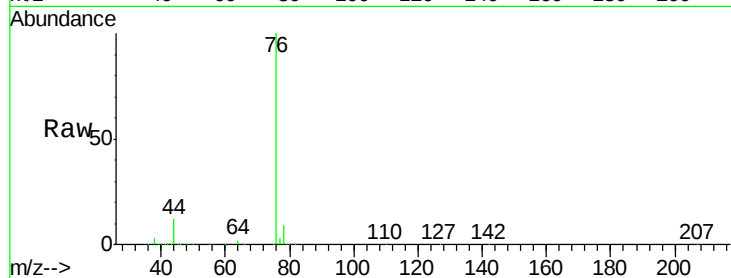
VSTDIC020

Tgt Ion: 76 Resp: 182840

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.54

120000

100000

80000

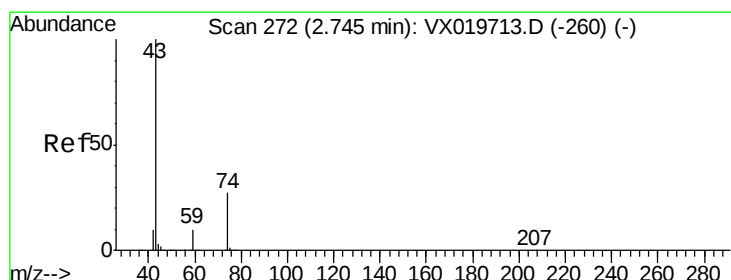
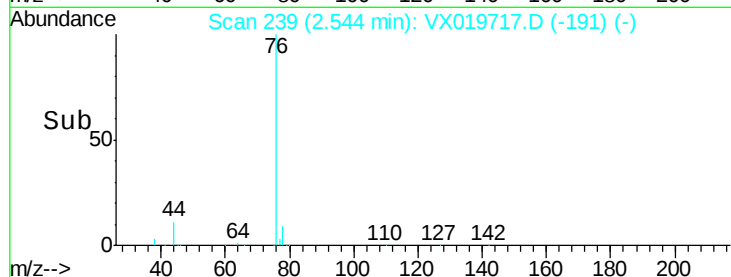
60000

40000

20000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 18.792 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019717.D

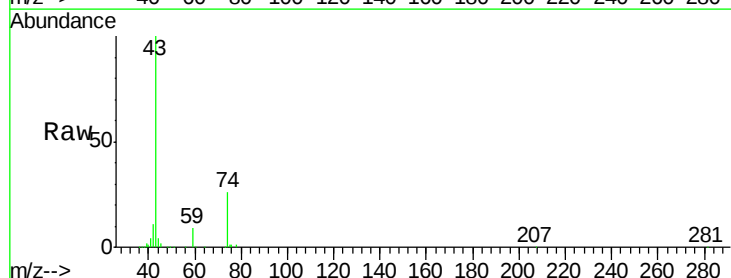
Acq: 04 Dec 2020 15:10

Tgt Ion: 43 Resp: 80140

Ion Ratio Lower Upper

43 100

74 27.4 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

50000

40000

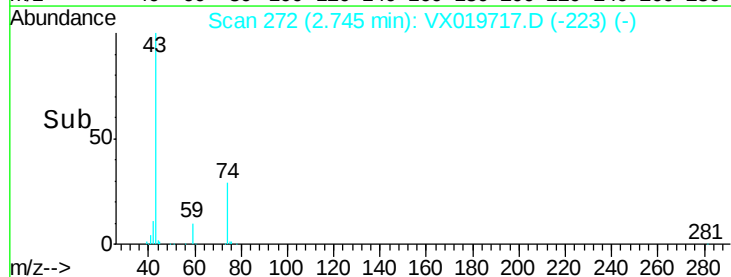
30000

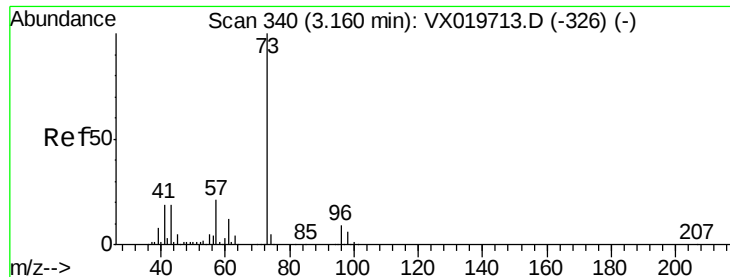
20000

10000

0

Time--> 2.60 2.70 2.80

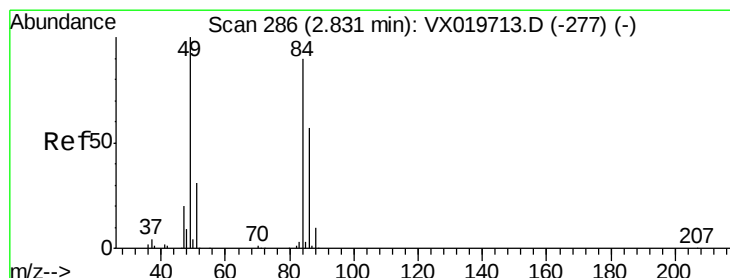
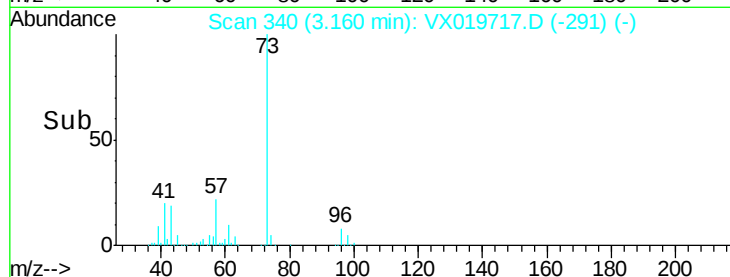
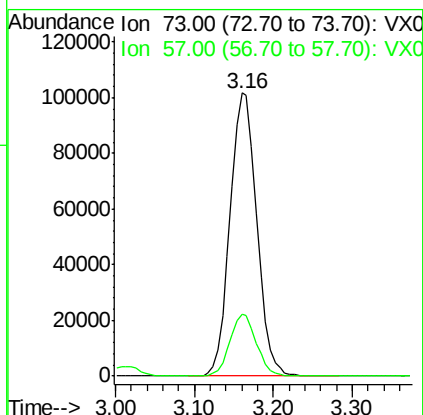
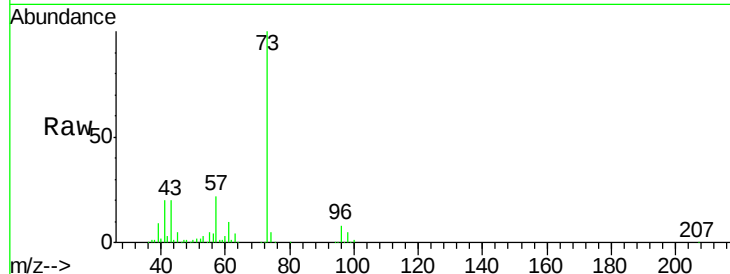




#19
Methyl tert-butyl Ether
Concen: 20.569 ug/l
RT: 3.16 min Scan# 340
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

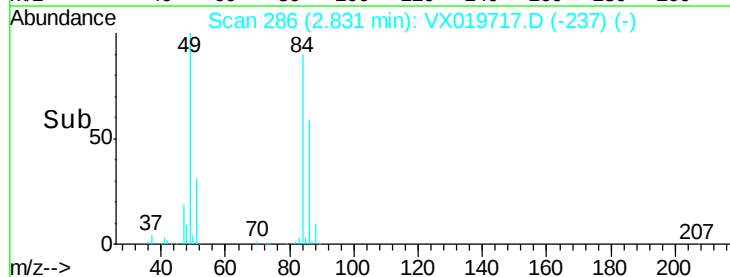
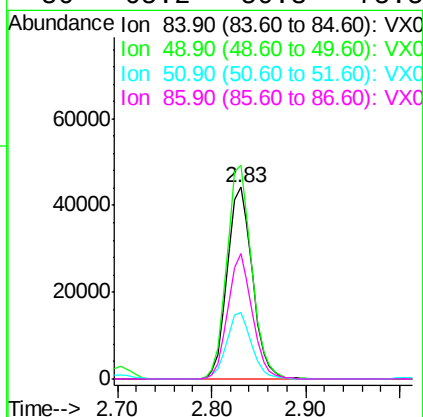
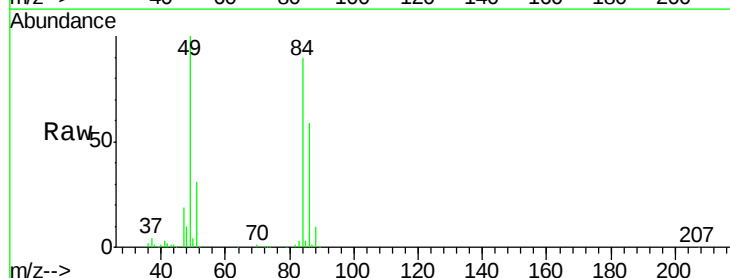
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

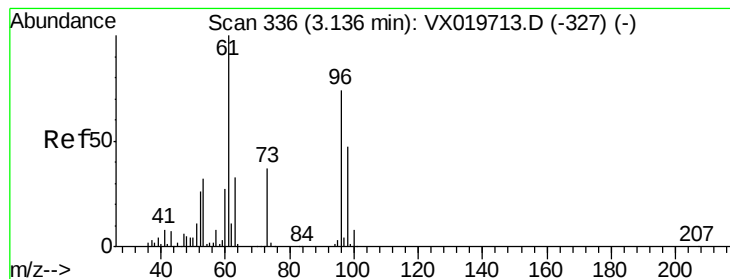
Tgt Ion: 73 Resp: 240365
Ion Ratio Lower Upper
73 100
57 22.1 17.1 25.7



#20
Methylene Chloride
Concen: 18.449 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion: 84 Resp: 82443
Ion Ratio Lower Upper
84 100
49 111.3 88.6 132.8
51 34.8 27.0 40.6
86 65.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.528 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

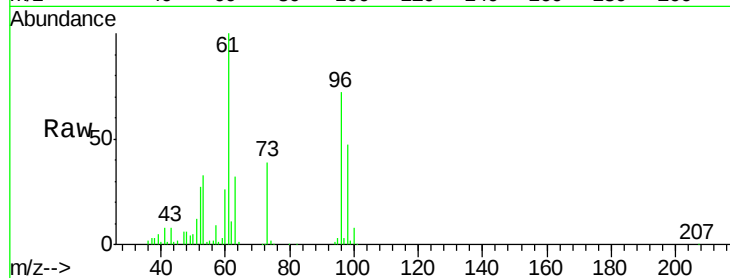
Tgt Ion: 96 Resp: 76618

Ion Ratio Lower Upper

96 100

61 138.8 107.7 161.5

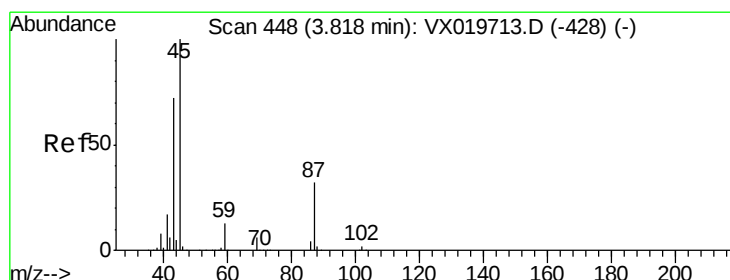
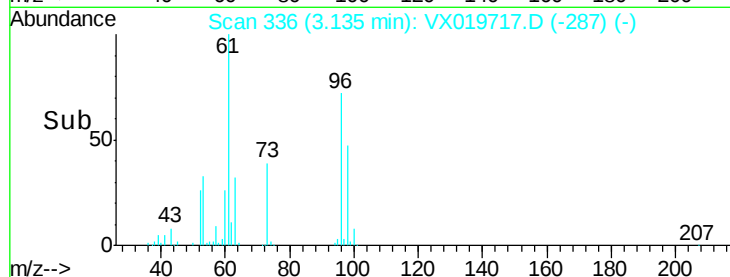
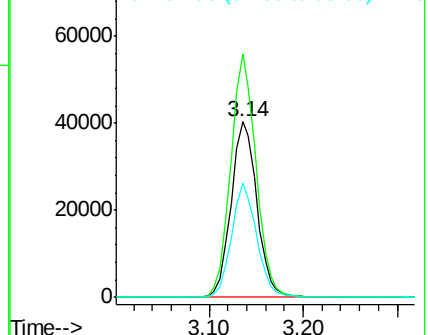
98 65.4 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.755 ug/l

RT: 3.82 min Scan# 448

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Tgt Ion: 45 Resp: 227167

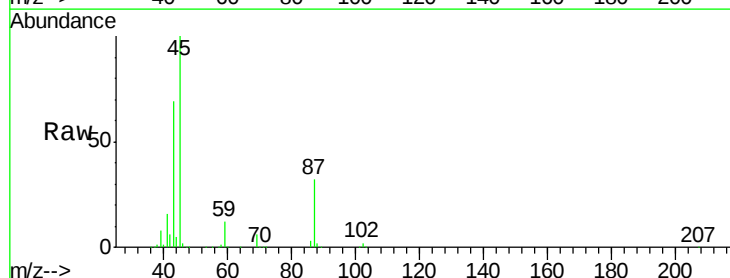
Ion Ratio Lower Upper

45 100

43 69.0 58.0 87.0

87 31.9 25.4 38.0

59 12.4 10.2 15.2

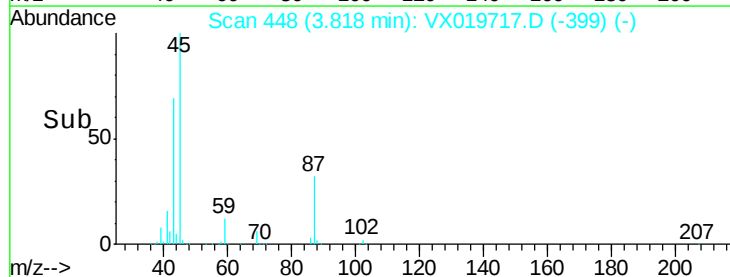
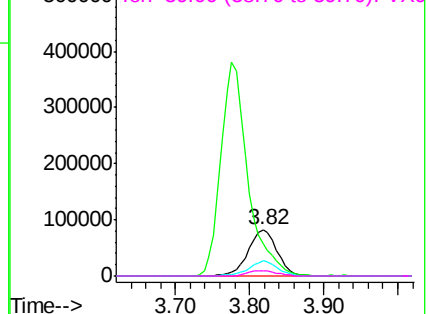


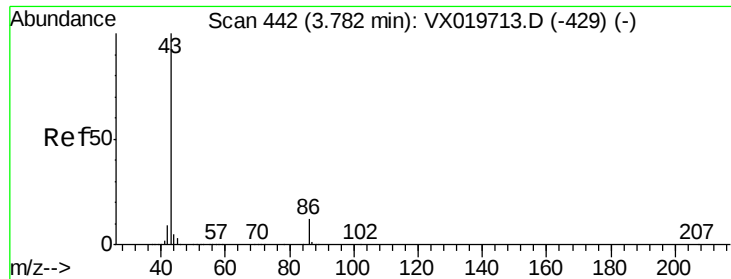
Abundance Ion 45.00 (44.70 to 45.70): VX0

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





#23

Vinyl Acetate

Concen: 103.364 ug/l

RT: 3.78 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

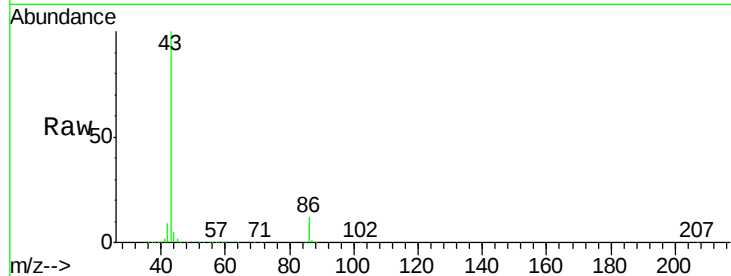
VSTDIC020

Tgt Ion: 43 Resp: 965048

Ion Ratio Lower Upper

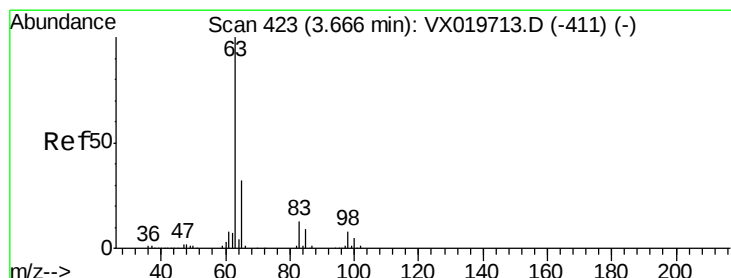
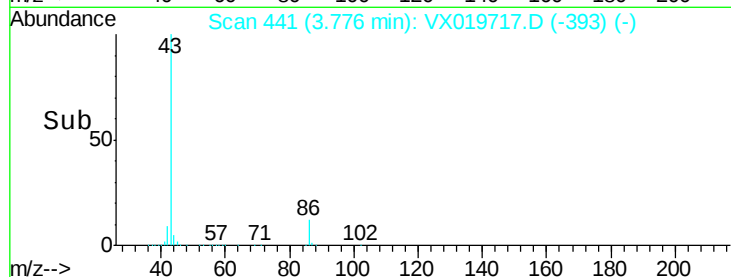
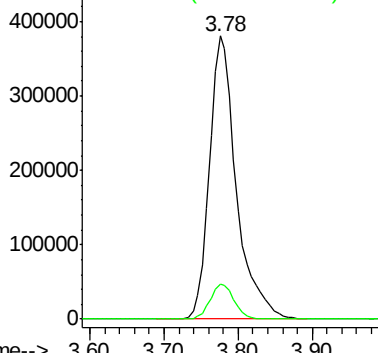
43 100

86 12.5 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.404 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

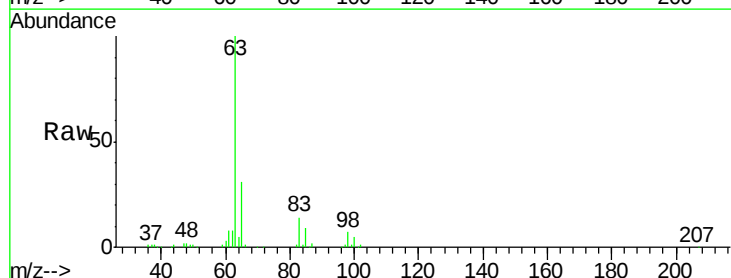
Tgt Ion: 63 Resp: 134629

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.2

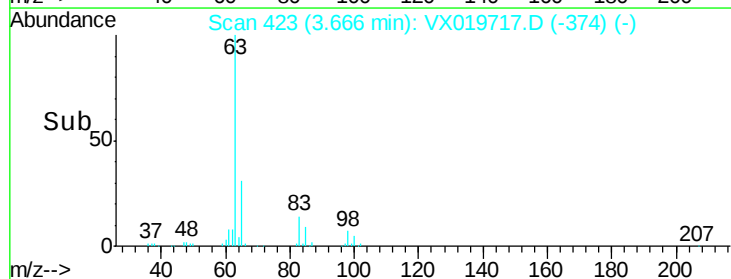
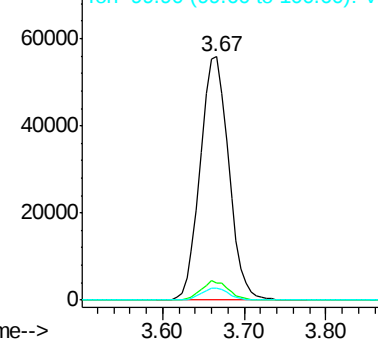
100 4.8 2.5 7.5

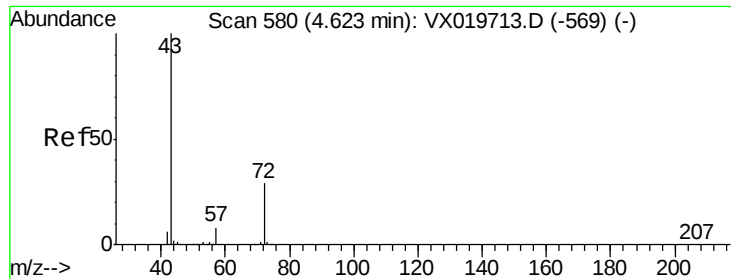


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

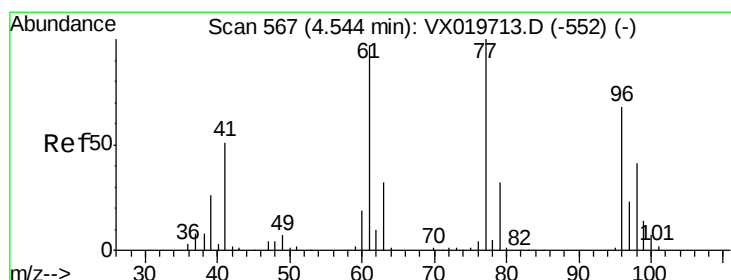
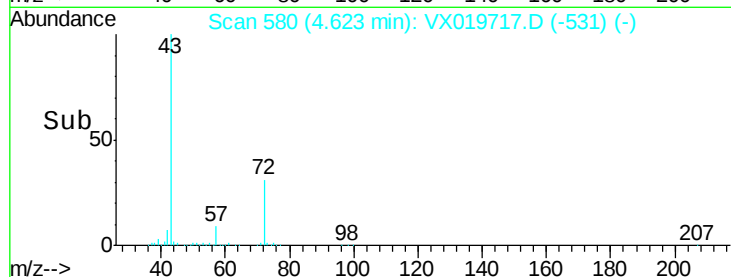
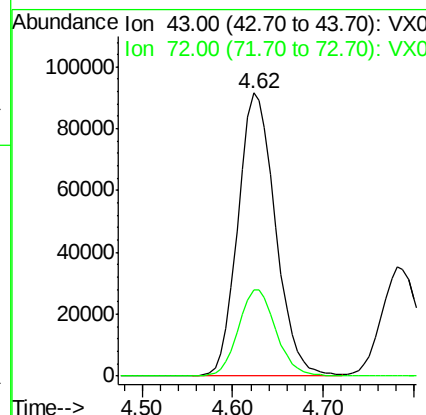
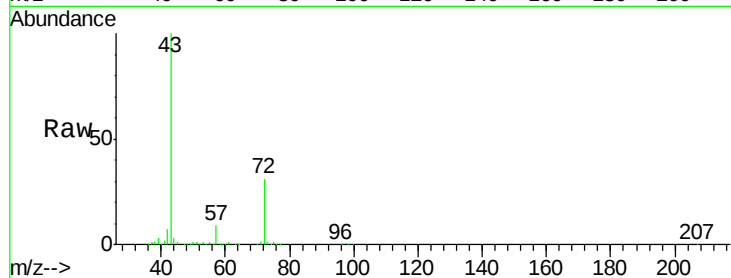




#25
2-Butanone
Concen: 96.637 ug/l
RT: 4.62 min Scan# 580
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

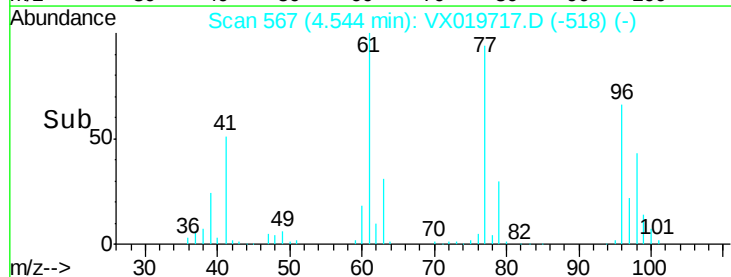
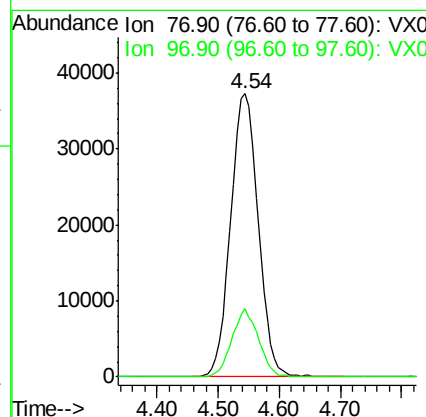
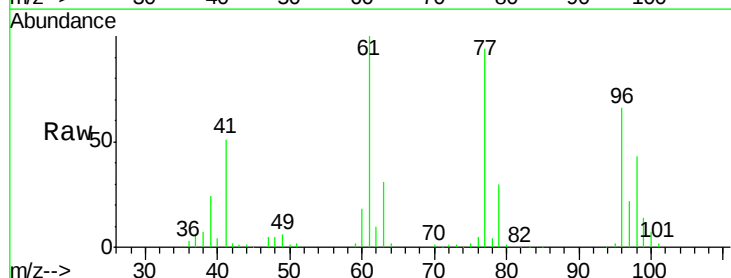
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

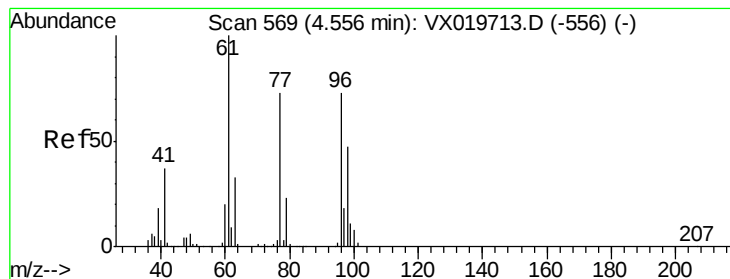
Tgt Ion: 43 Resp: 259283
Ion Ratio Lower Upper
43 100
72 30.6 23.7 35.5



#26
2,2-Dichloropropane
Concen: 20.368 ug/l
RT: 4.54 min Scan# 567
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion: 77 Resp: 115833
Ion Ratio Lower Upper
77 100
97 22.9 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 20.195 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

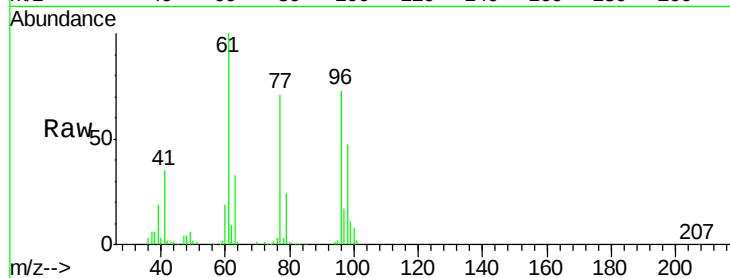
Tgt Ion: 96 Resp: 88401

Ion Ratio Lower Upper

96 100

61 142.4 0.0 285.6

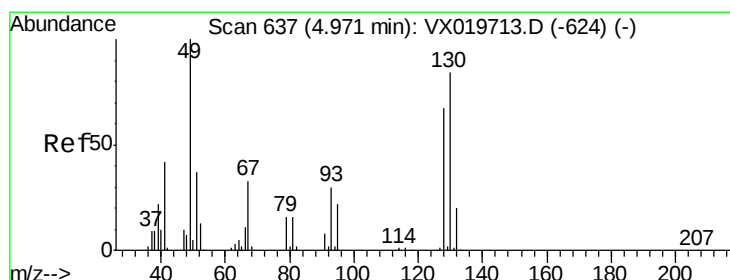
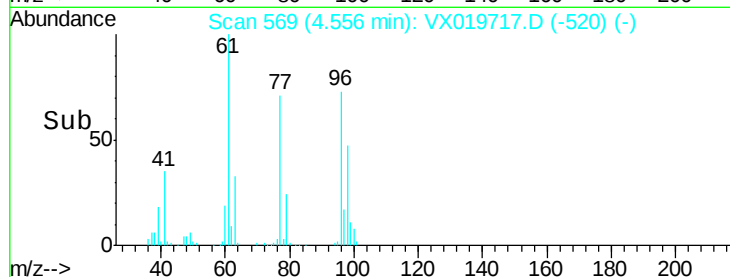
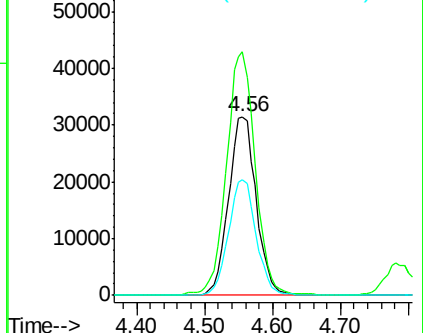
98 64.5 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 19.884 ug/l

RT: 4.97 min Scan# 637

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

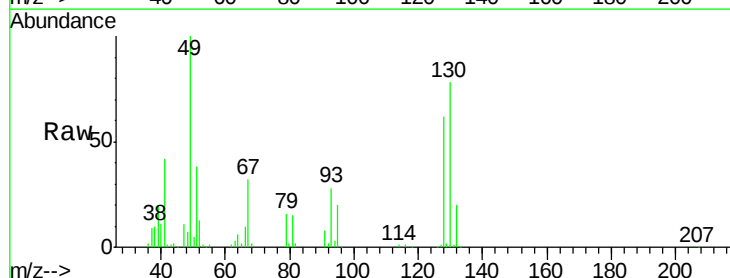
Tgt Ion: 49 Resp: 63514

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.0

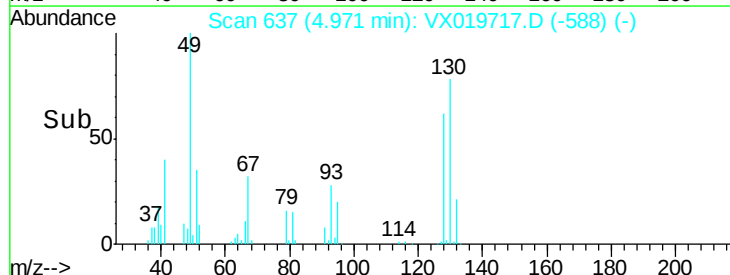
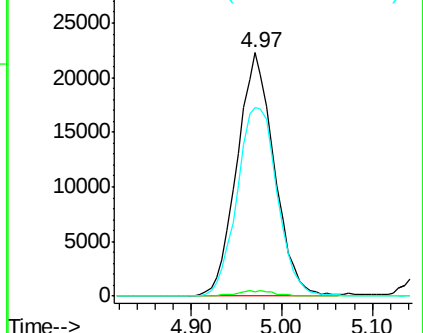
130 83.6 68.2 102.2

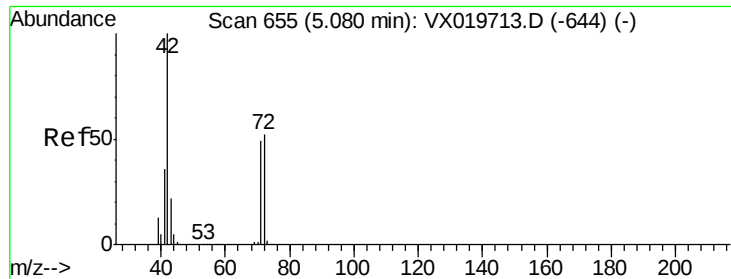


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

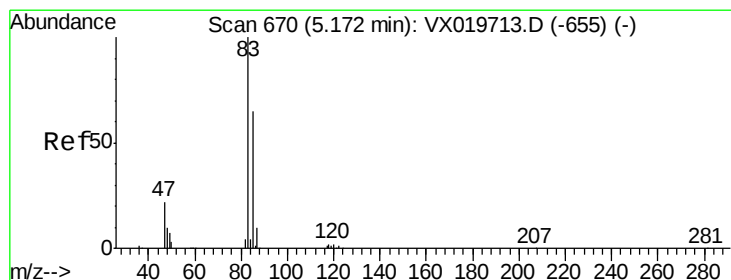
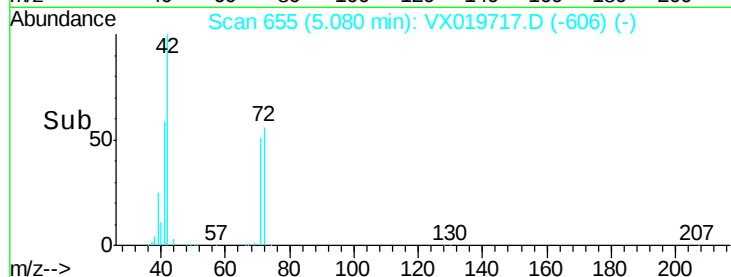
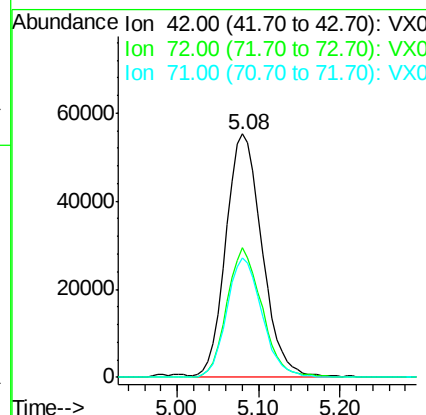
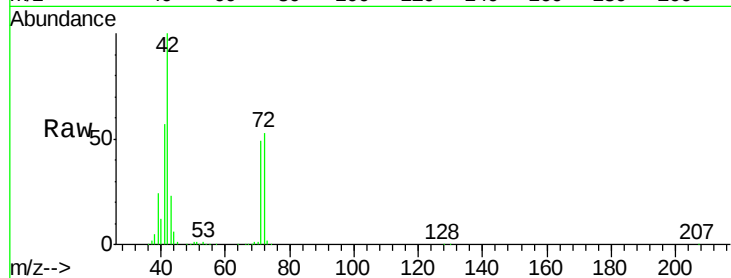




#29
Tetrahydrofuran
Concen: 98.099 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

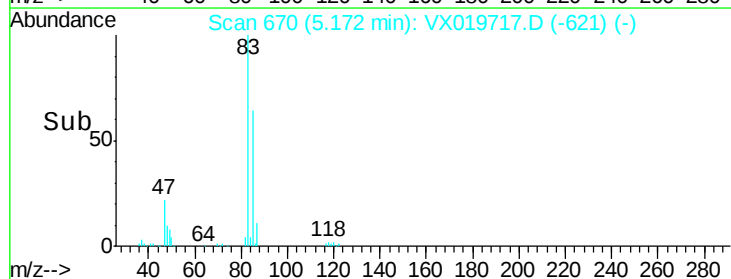
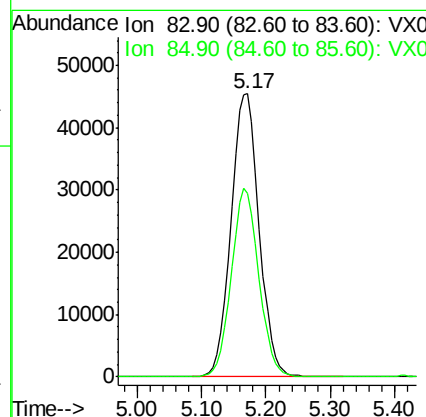
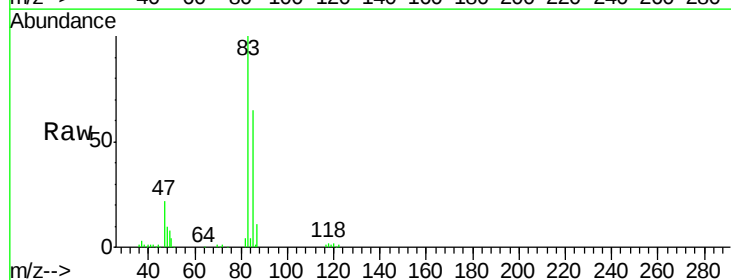
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

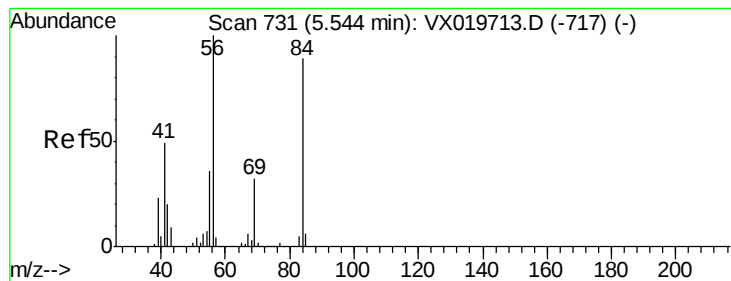
Tgt Ion: 42 Resp: 168310
Ion Ratio Lower Upper
42 100
72 52.2 41.7 62.5
71 48.2 38.4 57.6



#30
Chloroform
Concen: 20.391 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion: 83 Resp: 138603
Ion Ratio Lower Upper
83 100
85 65.0 52.0 78.0





#31

Cyclohexane

Concen: 21.061 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

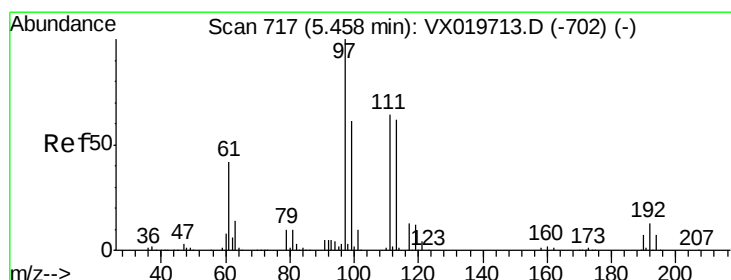
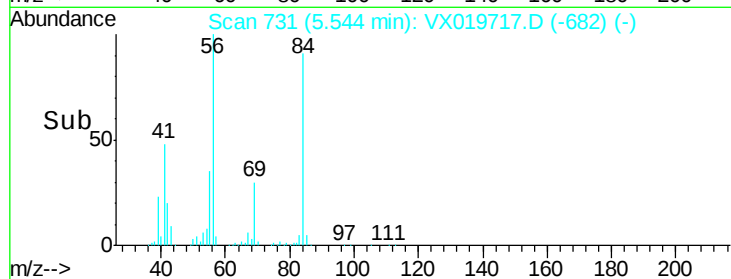
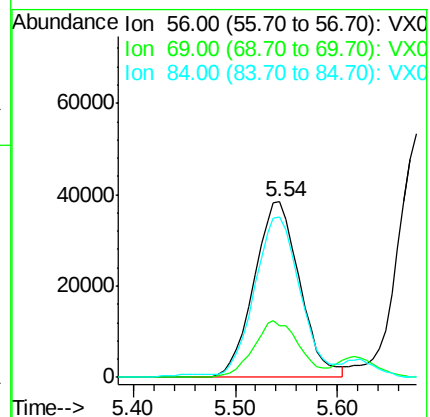
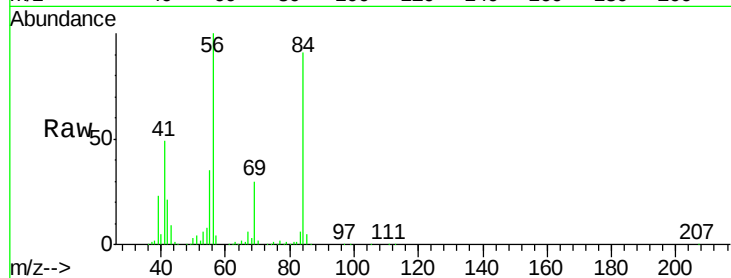
Tgt Ion: 56 Resp: 119609

Ion Ratio Lower Upper

56 100

69 29.8 25.3 37.9

84 89.9 71.4 107.0



#32

1,1,1-Trichloroethane

Concen: 20.422 ug/l

RT: 5.45 min Scan# 716

Delta R.T. -0.01 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

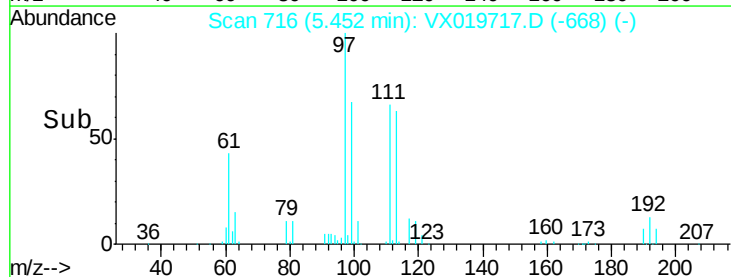
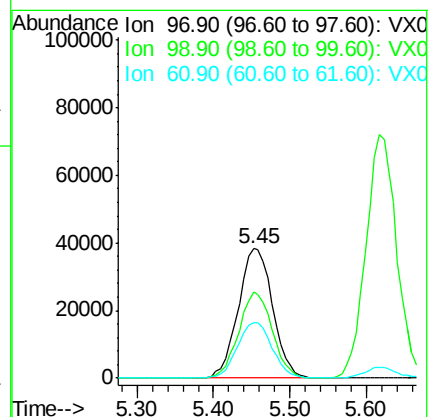
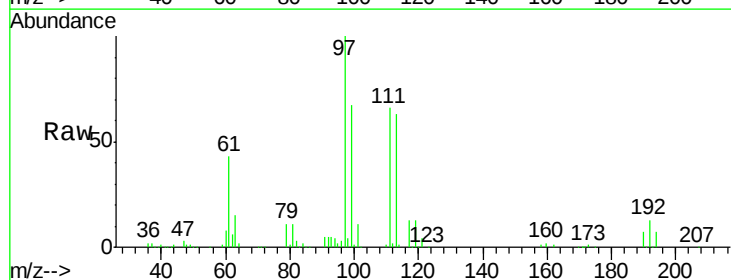
Tgt Ion: 97 Resp: 119311

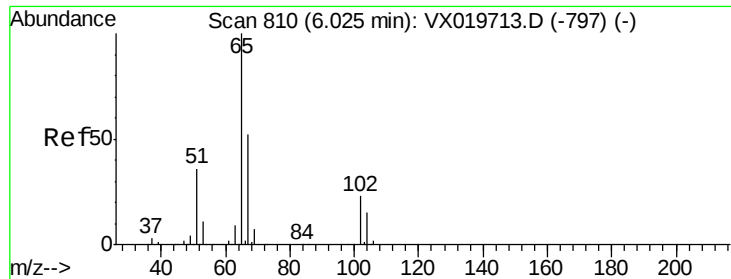
Ion Ratio Lower Upper

97 100

99 64.6 51.5 77.3

61 43.6 34.2 51.4

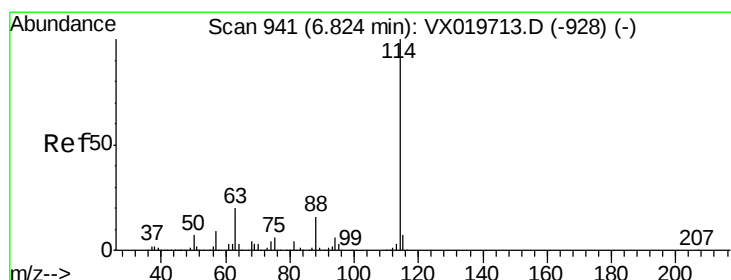
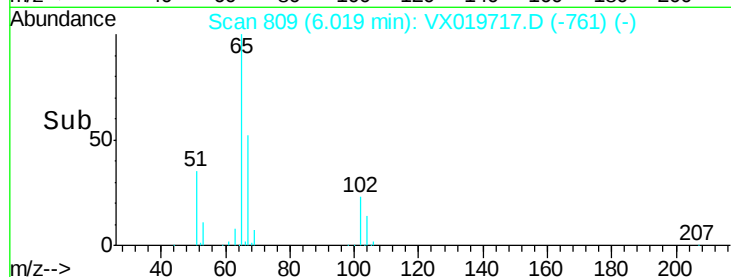
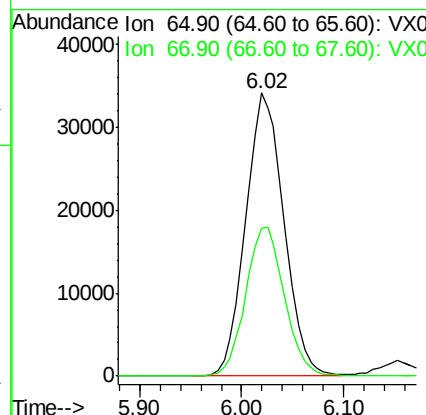
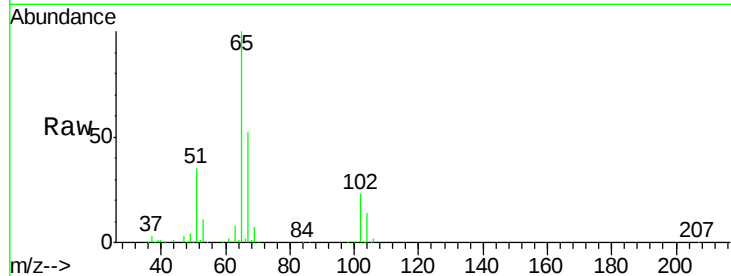




#33
 1,2-Dichloroethane-d4
 Concen: 18.986 ug/l
 RT: 6.02 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

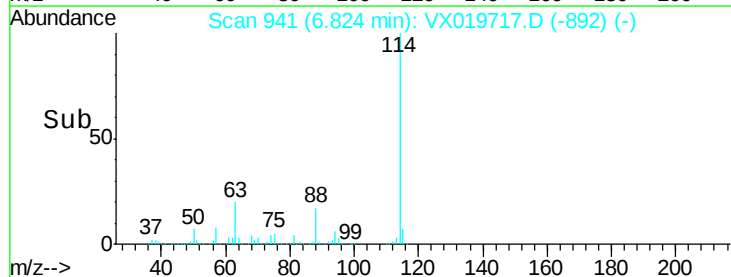
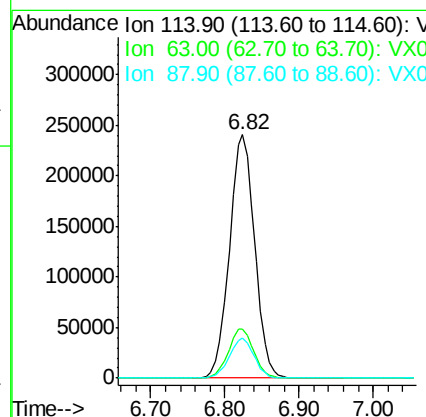
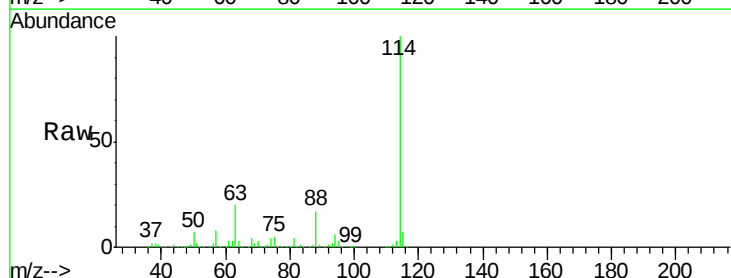
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

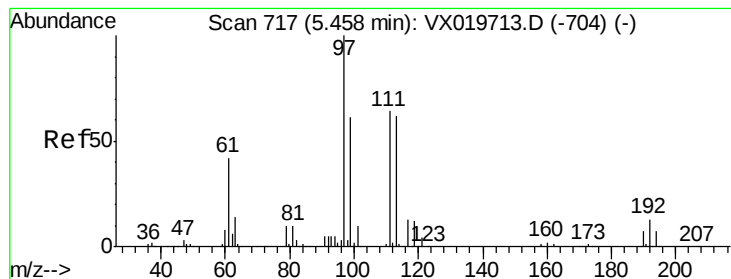
Tgt Ion: 65 Resp: 89045
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

Tgt Ion: 114 Resp: 567602
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 19.741 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

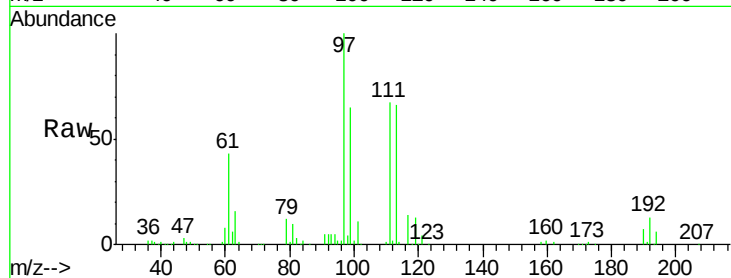
Tgt Ion:113 Resp: 72440

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

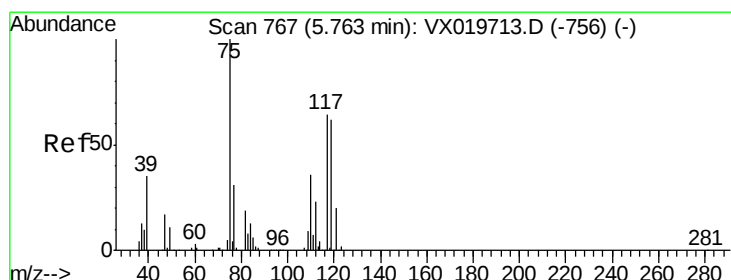
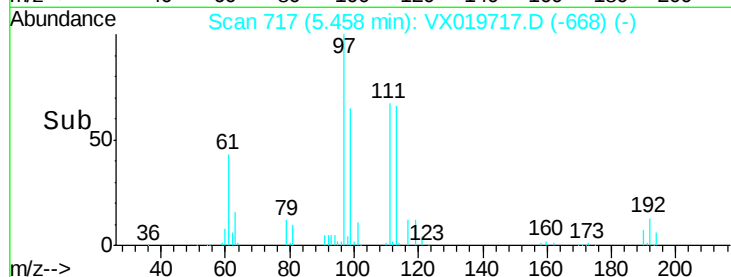
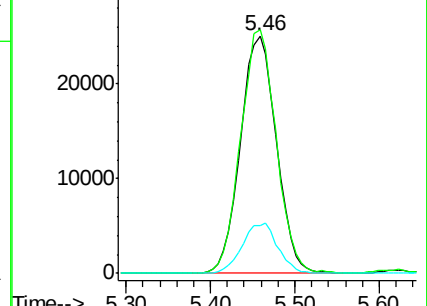
192 20.9 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.038 ug/l

RT: 5.76 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

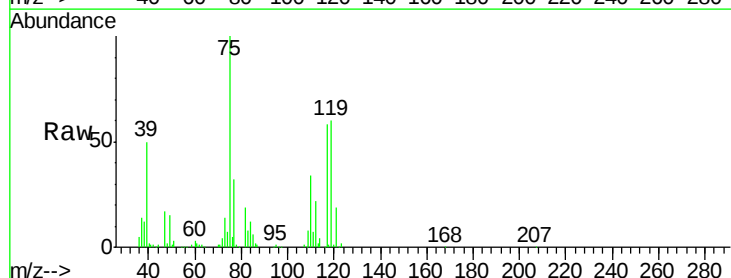
Tgt Ion: 75 Resp: 105673

Ion Ratio Lower Upper

75 100

110 36.1 18.1 54.4

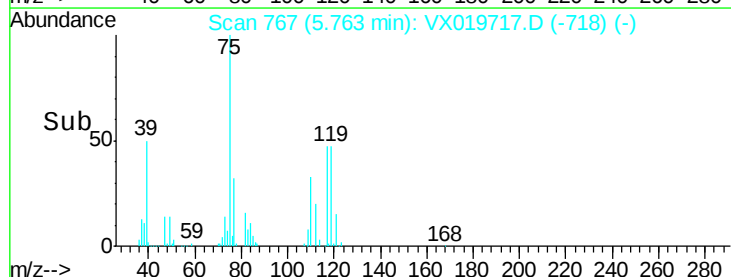
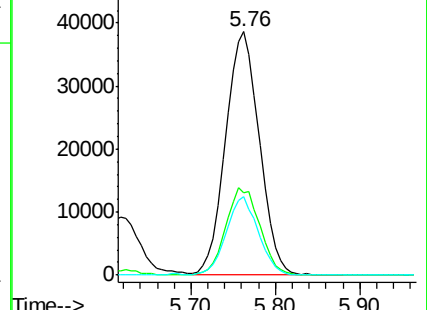
77 30.8 25.3 37.9

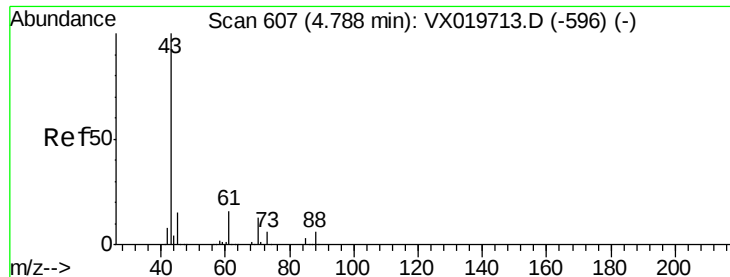


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

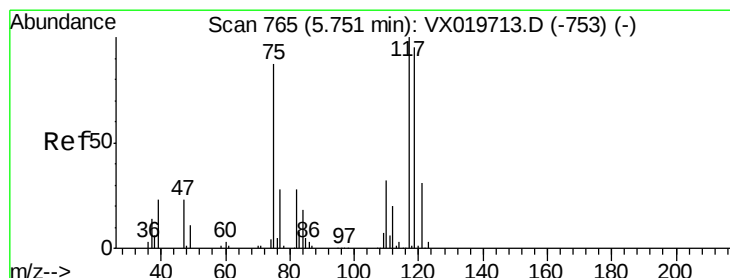
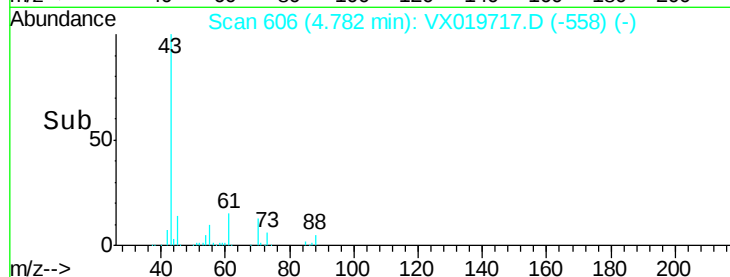
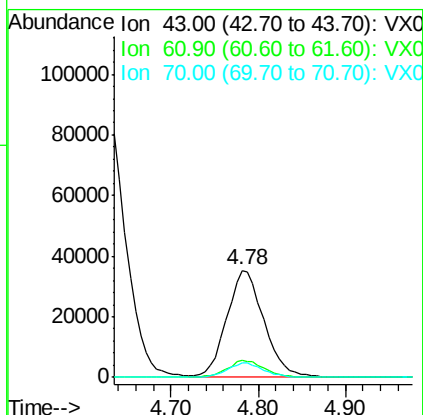
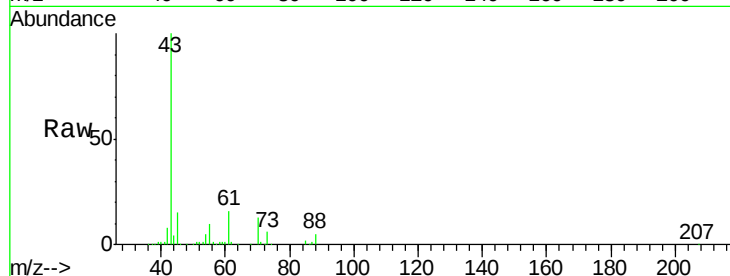




#37
Ethyl Acetate
Concen: 20.060 ug/l
RT: 4.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

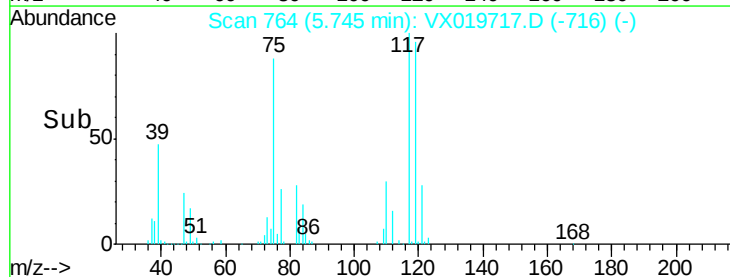
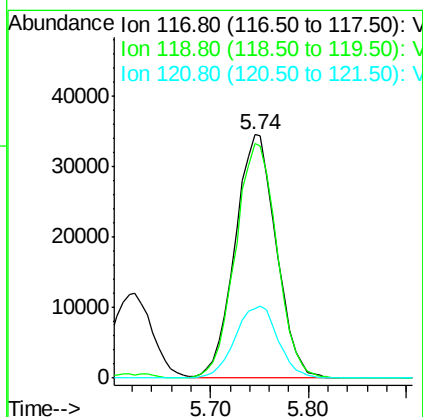
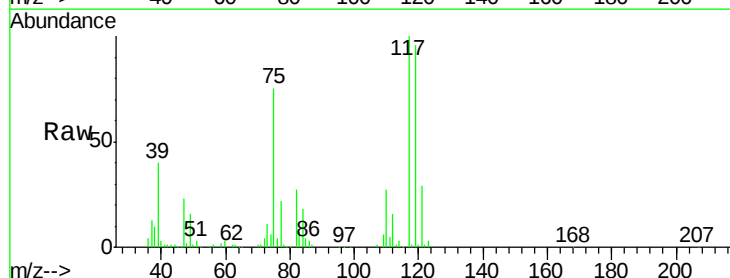
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

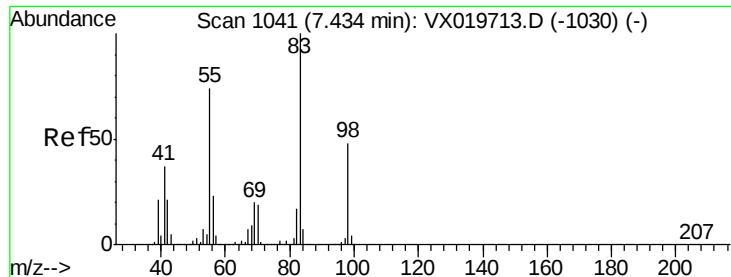
Tgt Ion: 43 Resp: 102526
Ion Ratio Lower Upper
43 100
61 15.6 12.8 19.2
70 13.3 10.5 15.7



#38
Carbon Tetrachloride
Concen: 20.523 ug/l
RT: 5.74 min Scan# 764
Delta R.T. -0.01 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion: 117 Resp: 101368
Ion Ratio Lower Upper
117 100
119 96.0 76.2 114.2
121 28.8 24.8 37.2

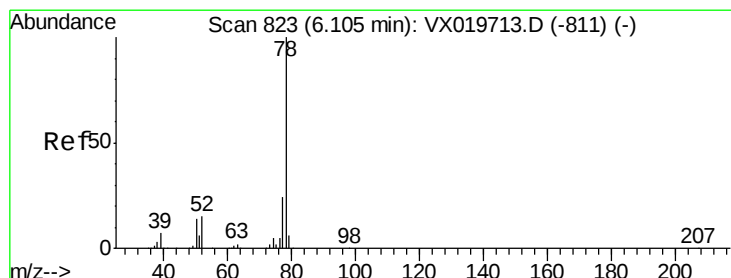
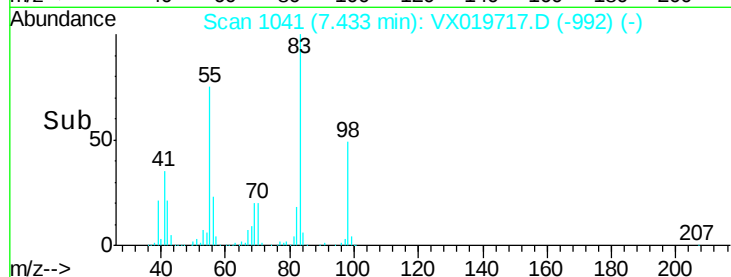
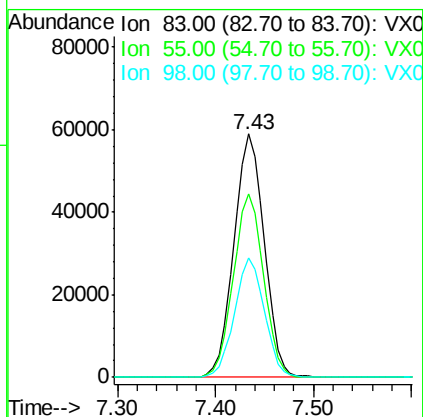
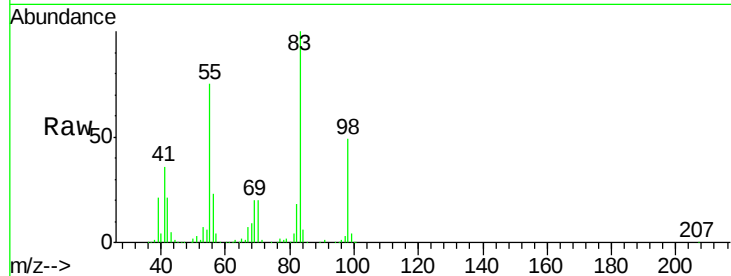




#39
Methylcyclohexane
Concen: 21.691 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

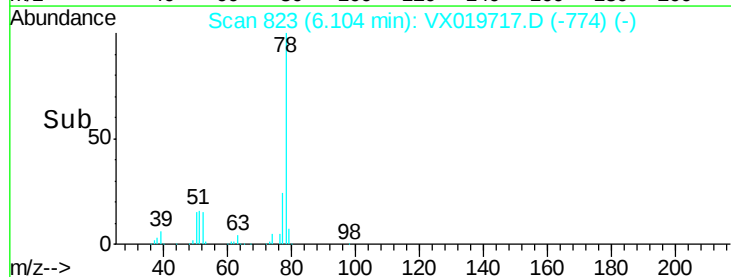
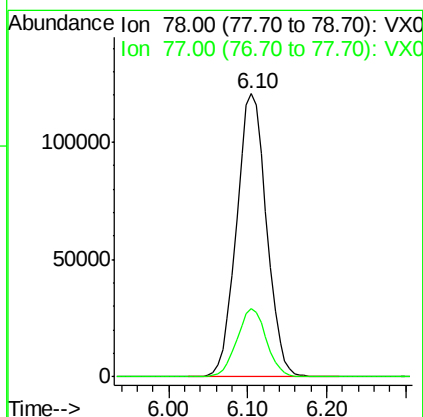
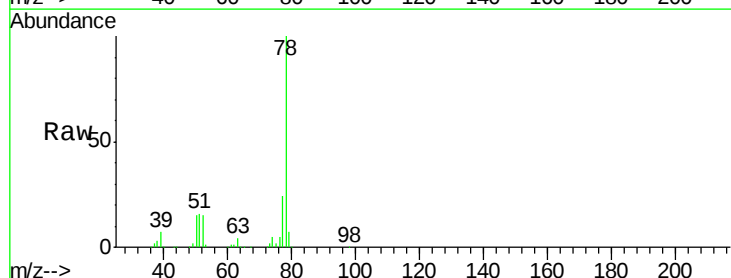
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

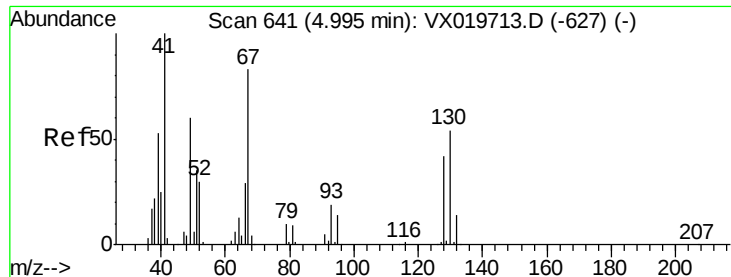
Tgt Ion: 83 Resp: 127288
Ion Ratio Lower Upper
83 100
55 75.1 58.9 88.3
98 48.9 38.1 57.1



#40
Benzene
Concen: 20.762 ug/l
RT: 6.10 min Scan# 823
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion: 78 Resp: 319044
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3

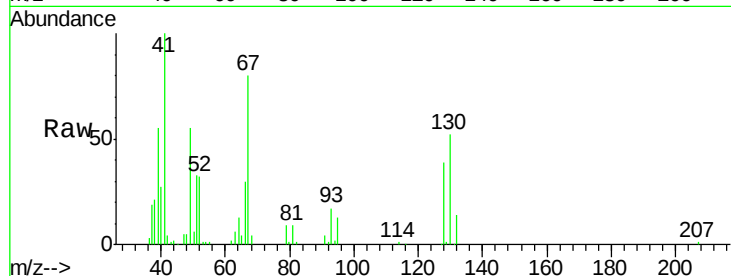




#41
Methacrylonitrile
Concen: 19.485 ug/l
RT: 4.99 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	54707
Ion	Ratio	Lower	Upper
41	100		
39	54.5	42.5	63.7
67	84.4	65.0	97.6
52	32.7	25.3	37.9



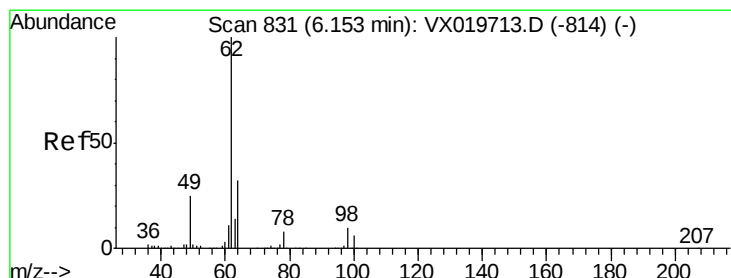
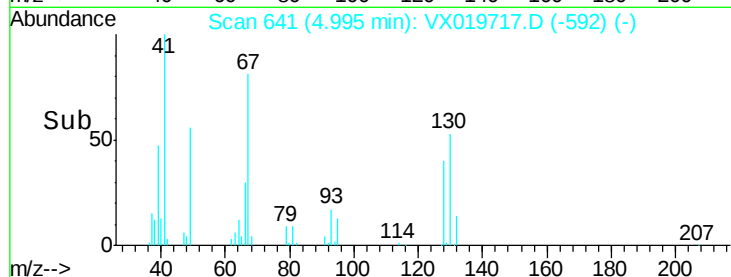
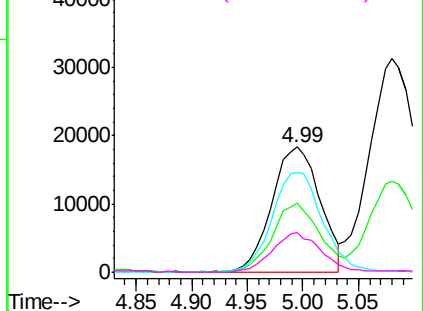
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

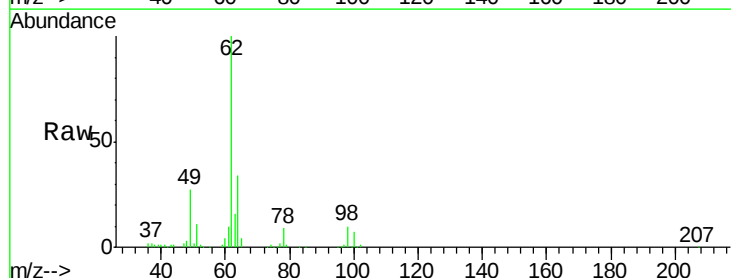
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 20.881 ug/l
RT: 6.15 min Scan# 831
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

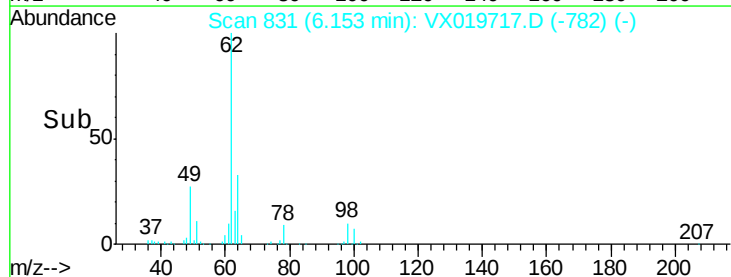
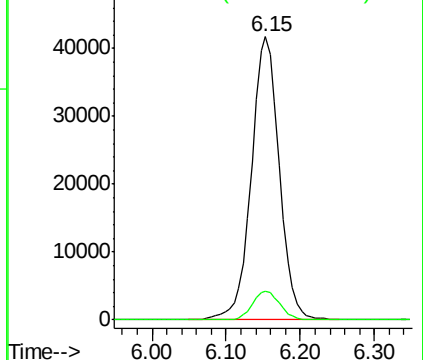
Tgt Ion:	62	Resp:	109799
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2

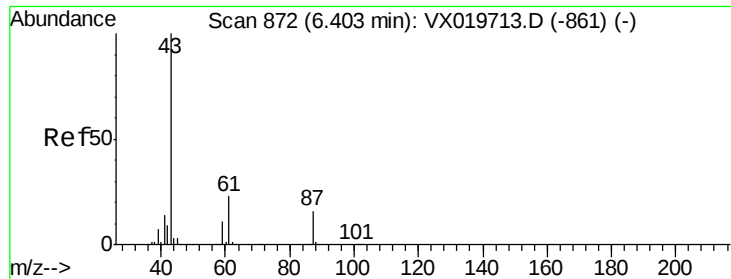


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

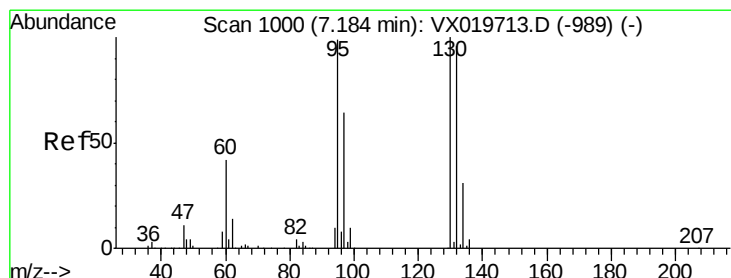
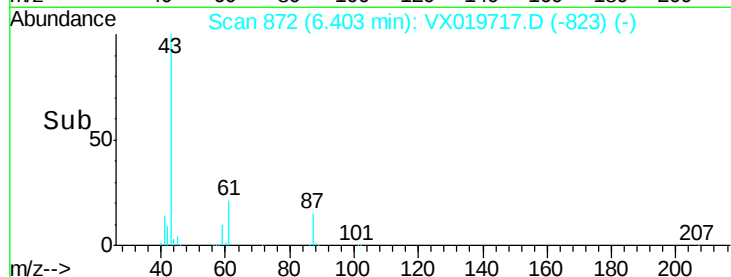
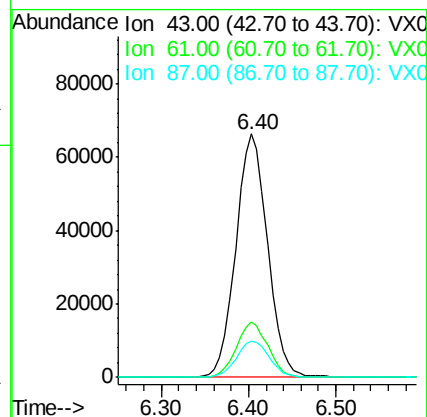
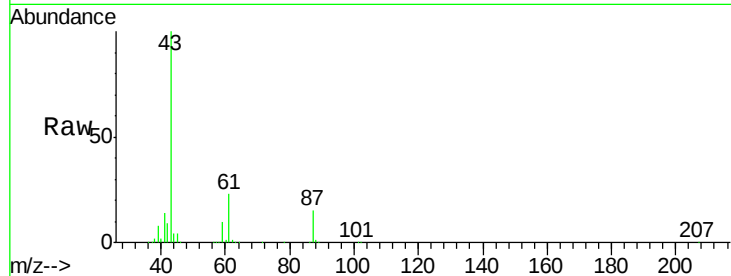




#43
Isopropyl Acetate
Concen: 19.979 ug/l
RT: 6.40 min Scan# 872
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

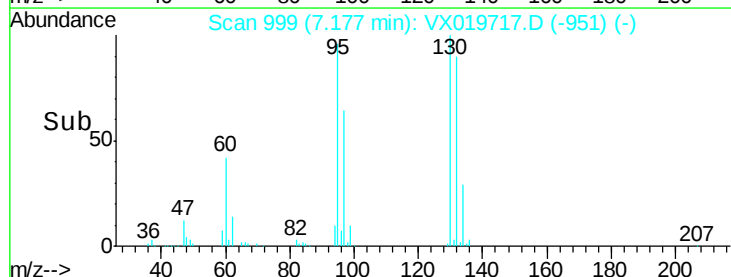
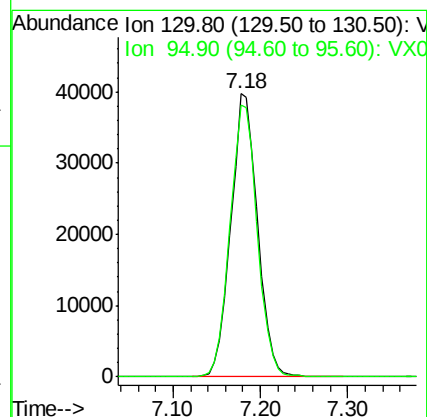
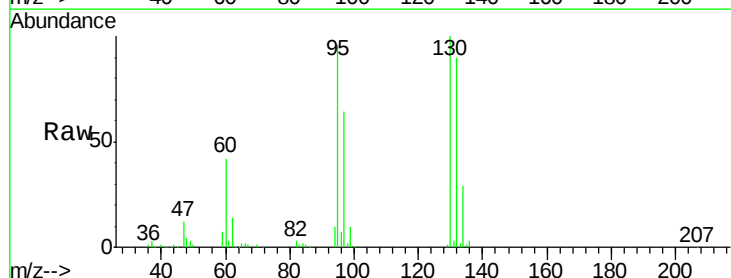
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

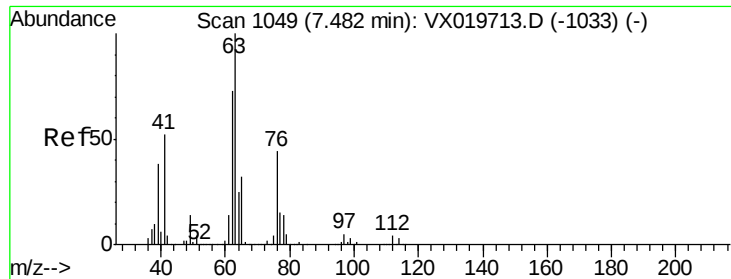
Tgt Ion: 43 Resp: 165762
Ion Ratio Lower Upper
43 100
61 22.9 18.2 27.4
87 15.5 12.5 18.7



#44
Trichloroethene
Concen: 20.947 ug/l
RT: 7.18 min Scan# 999
Delta R.T. -0.01 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion: 130 Resp: 84294
Ion Ratio Lower Upper
130 100
95 96.0 0.0 198.0

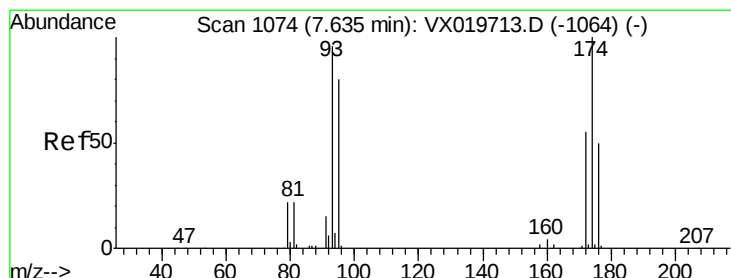
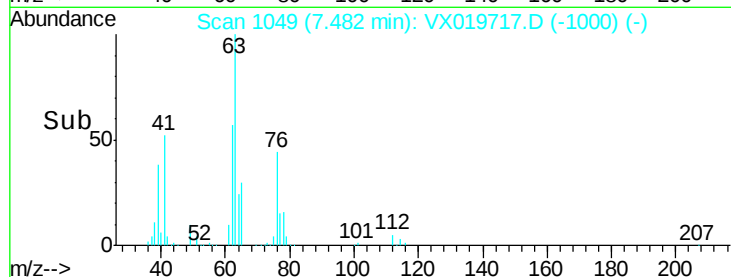
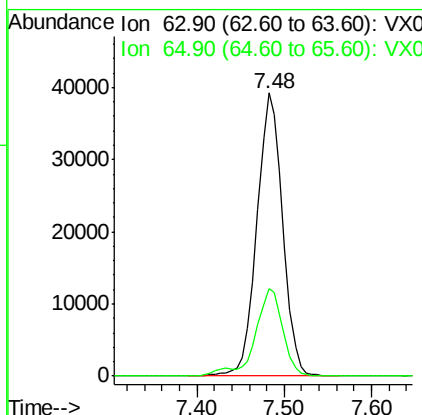
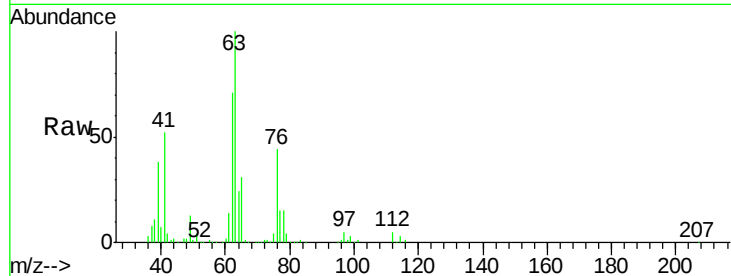




#45
 1,2-Dichloropropane
 Concen: 20.841 ug/l
 RT: 7.48 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

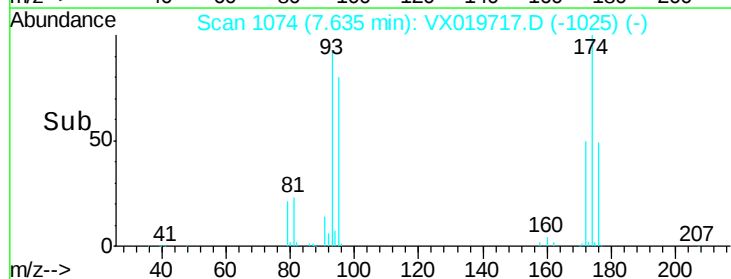
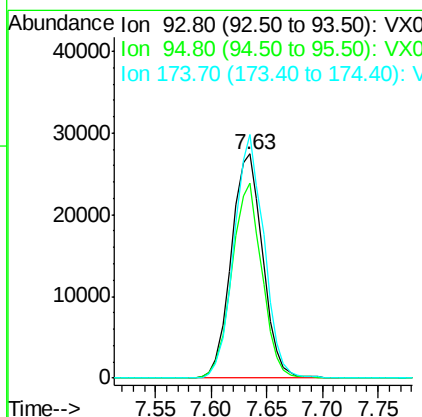
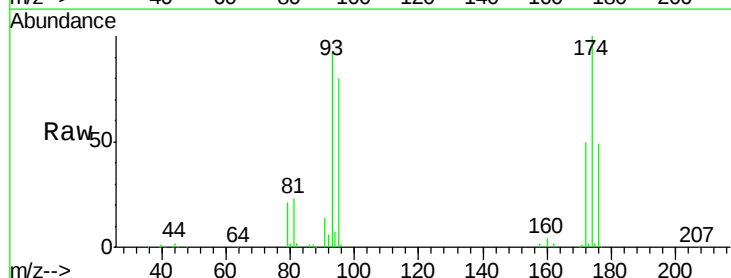
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

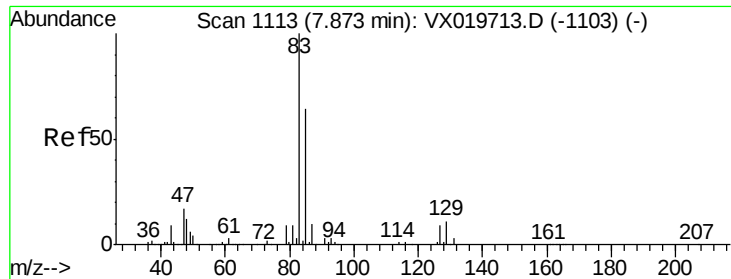
Tgt Ion: 63 Resp: 80109
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.7 38.5



#46
 Dibromomethane
 Concen: 20.674 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

Tgt Ion: 93 Resp: 53677
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.8 100.2
 174 103.5 83.1 124.7

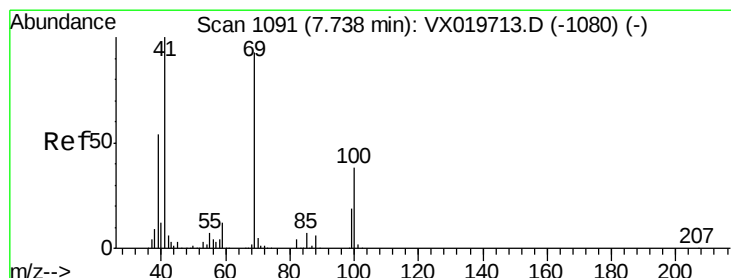
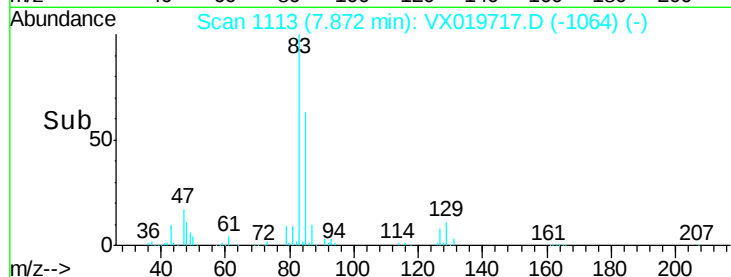
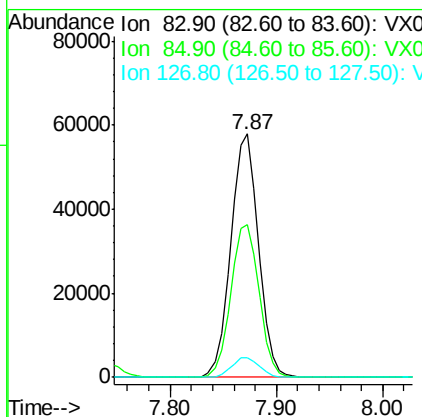
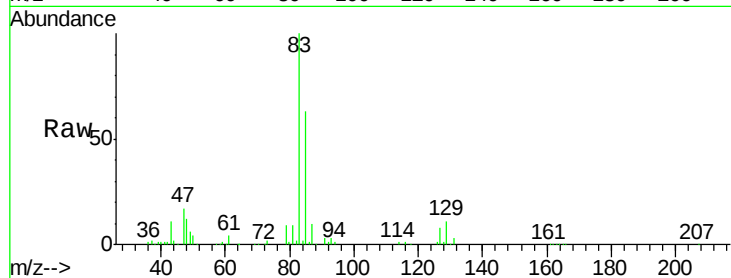




#47
Bromodichloromethane
Concen: 20.487 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

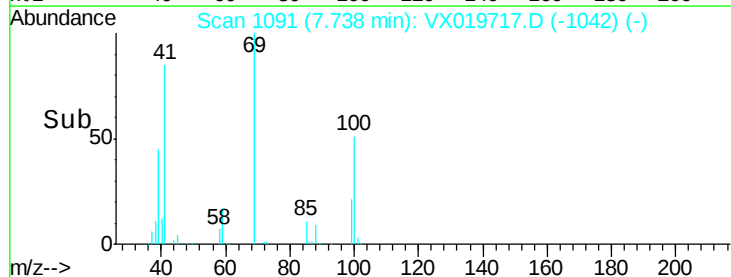
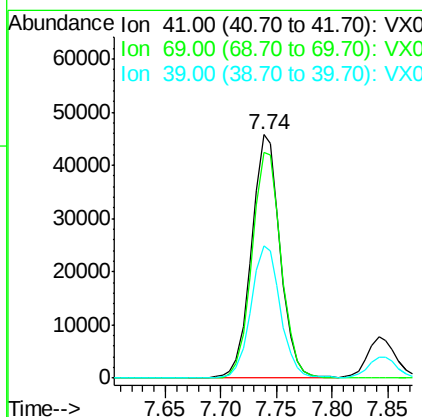
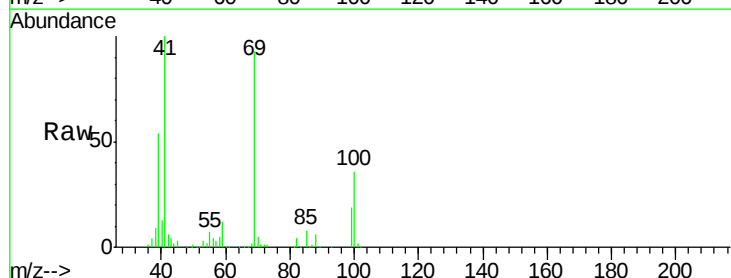
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

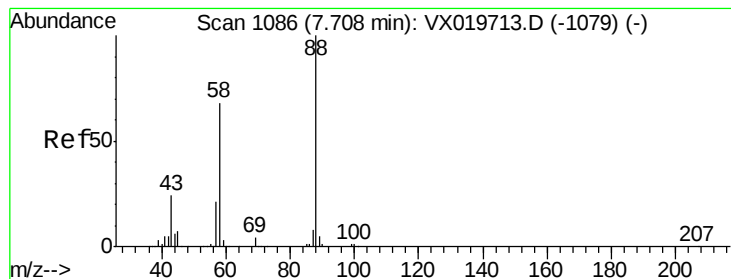
Tgt Ion: 83 Resp: 105670
Ion Ratio Lower Upper
83 100
85 62.9 51.4 77.0
127 8.1 6.8 10.2



#48
Methyl methacrylate
Concen: 20.168 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion: 41 Resp: 82228
Ion Ratio Lower Upper
41 100
69 94.1 76.0 114.0
39 56.0 44.6 67.0





#49

1,4-Dioxane

Concen: 415.783 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

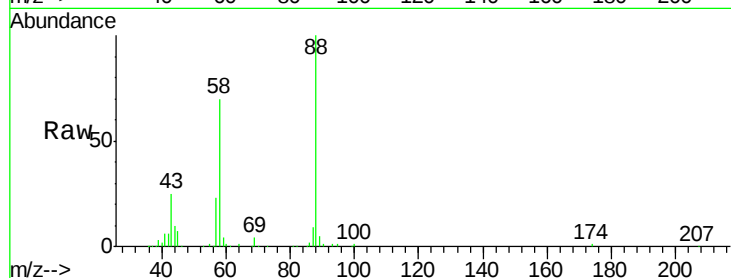
Tgt Ion: 88 Resp: 40971

Ion Ratio Lower Upper

88 100

43 28.7 23.2 34.8

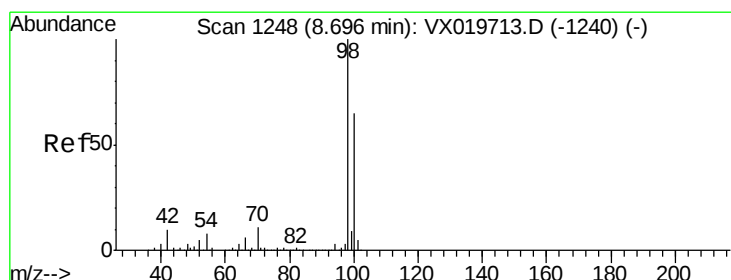
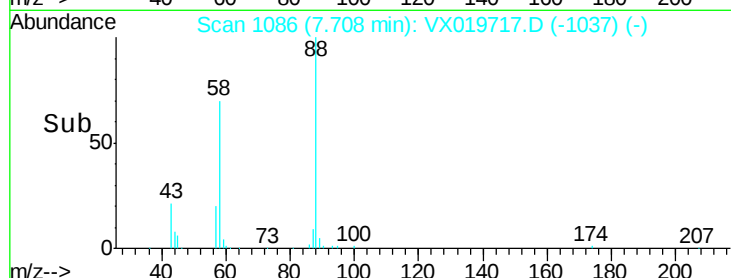
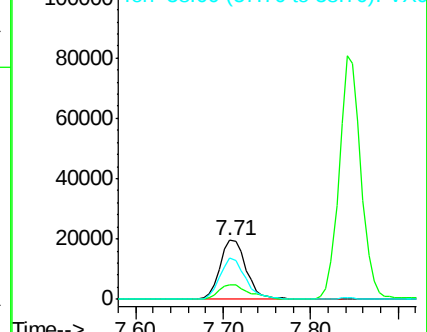
58 68.7 55.0 82.4



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



#50

Toluene-d8

Concen: 19.989 ug/l

RT: 8.69 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VX019717.D

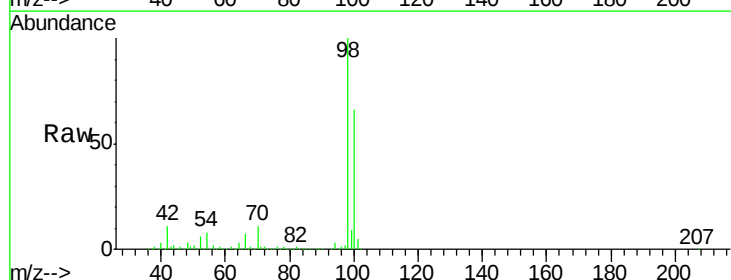
Acq: 04 Dec 2020 15:10

Tgt Ion: 98 Resp: 280751

Ion Ratio Lower Upper

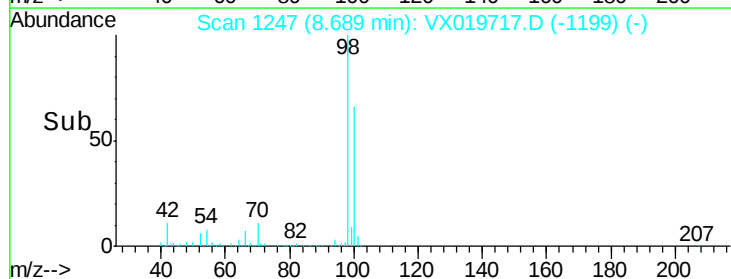
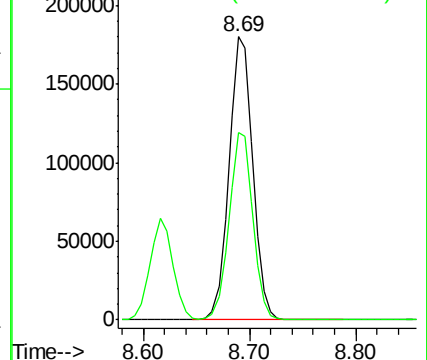
98 100

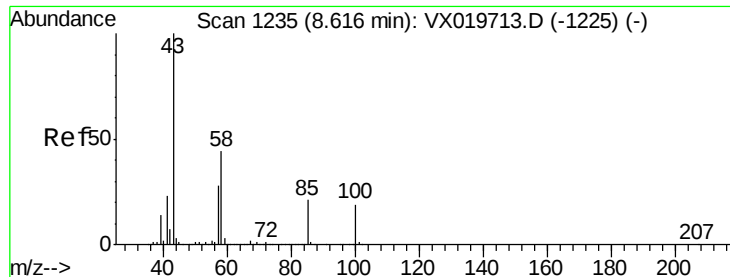
100 66.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

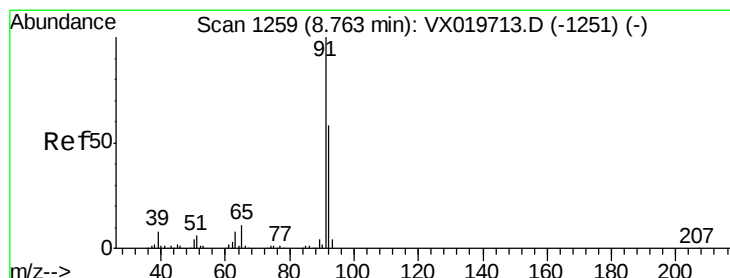
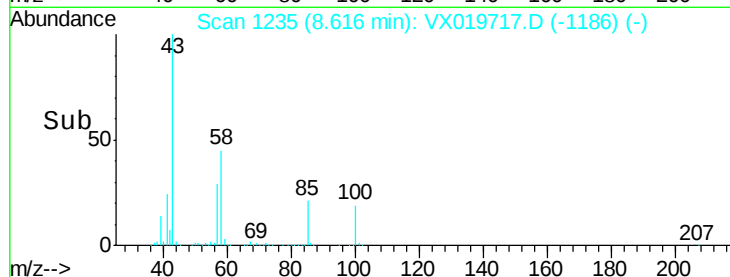
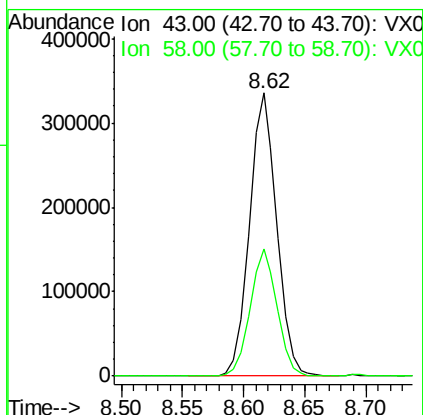
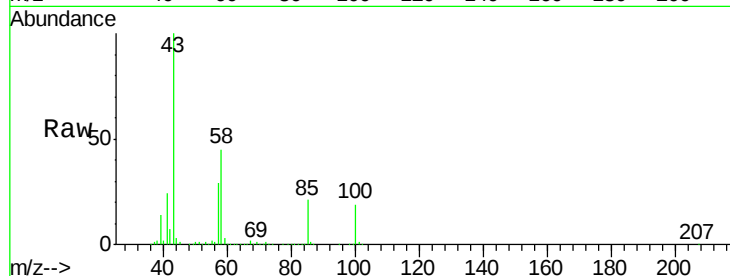




#51
 4-Methyl-2-Pentanone
 Concen: 102.752 ug/l
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

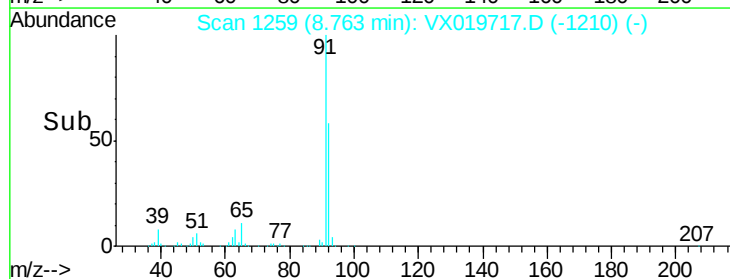
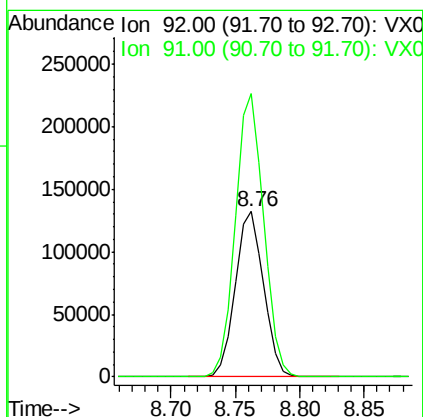
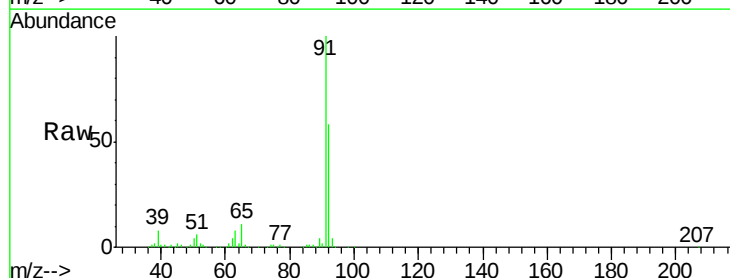
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

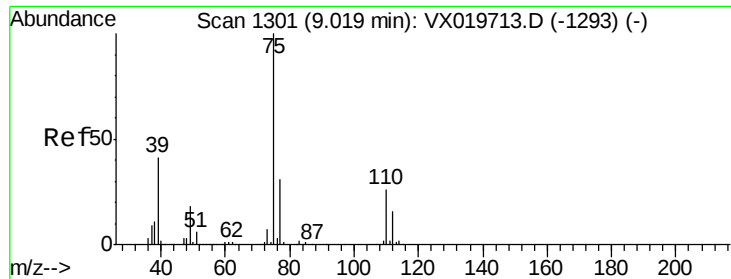
Tgt Ion: 43 Resp: 519980
 Ion Ratio Lower Upper
 43 100
 58 44.3 35.4 53.0



#52
 Toluene
 Concen: 20.965 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

Tgt Ion: 92 Resp: 201455
 Ion Ratio Lower Upper
 92 100
 91 171.4 137.1 205.7

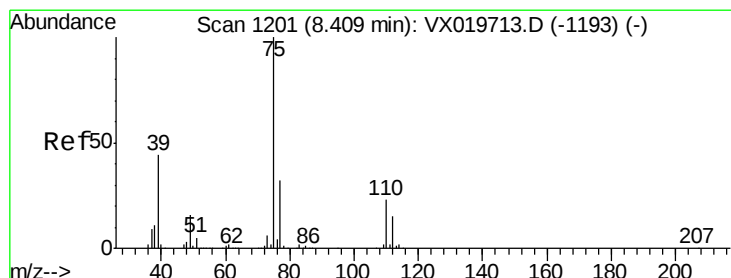
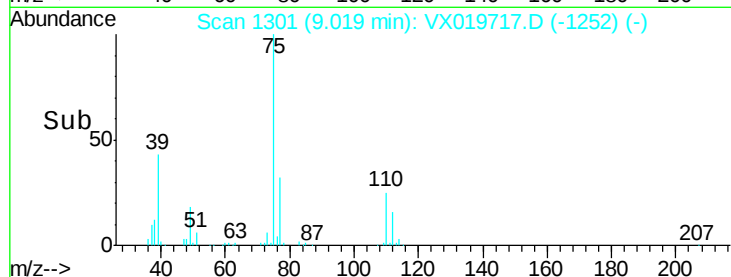
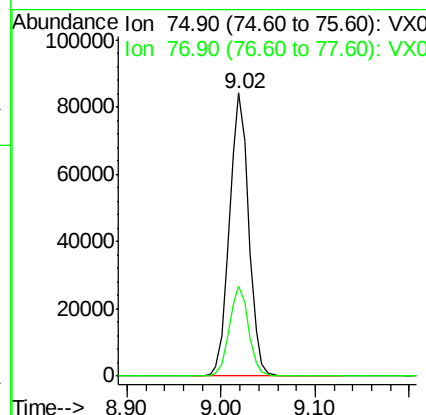
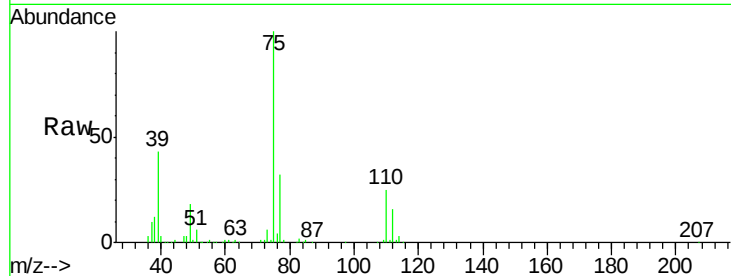




#53
t-1,3-Dichloropropene
Concen: 20.894 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

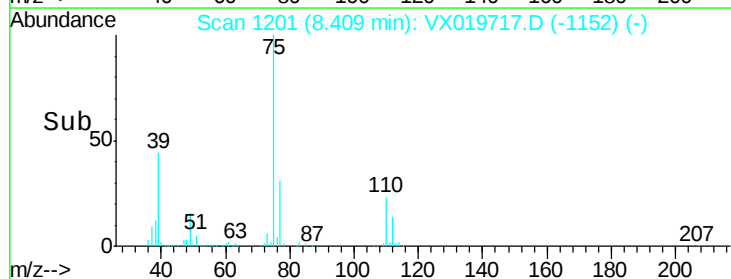
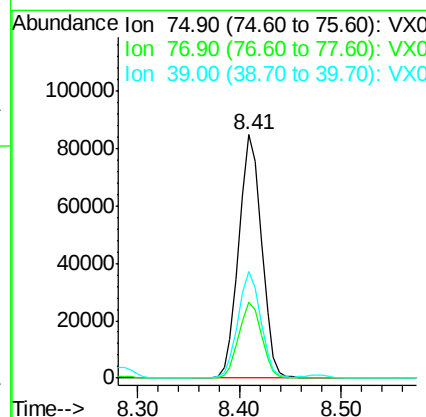
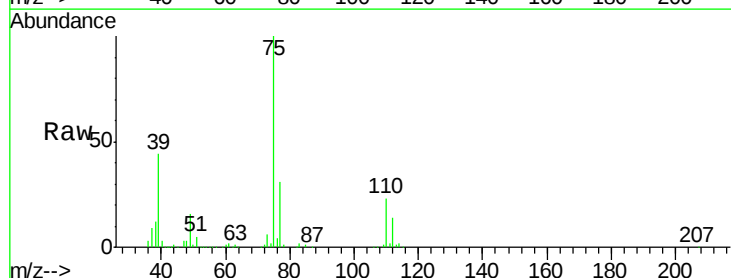
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

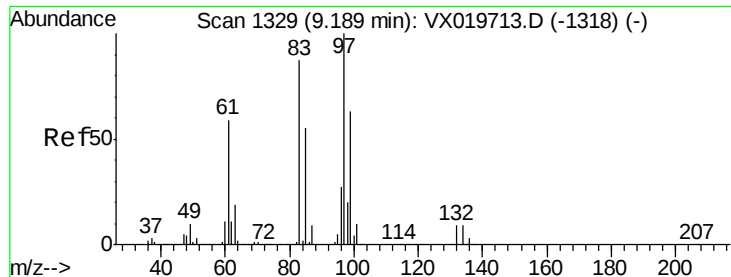
Tgt Ion: 75 Resp: 119429
Ion Ratio Lower Upper
75 100
77 31.8 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 21.118 ug/l
RT: 8.41 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion: 75 Resp: 130981
Ion Ratio Lower Upper
75 100
77 31.1 25.7 38.5
39 43.5 35.1 52.7

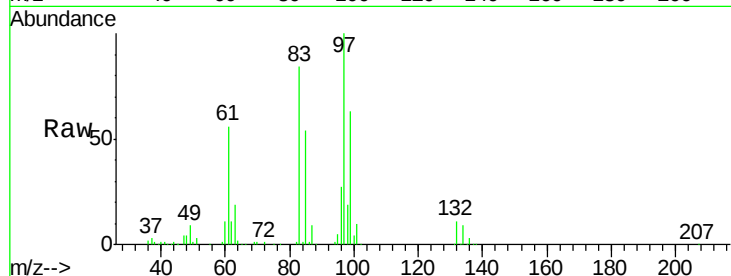




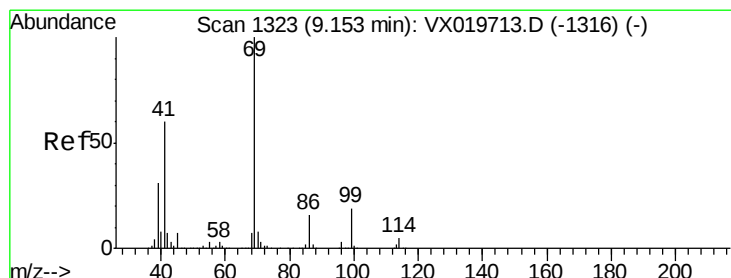
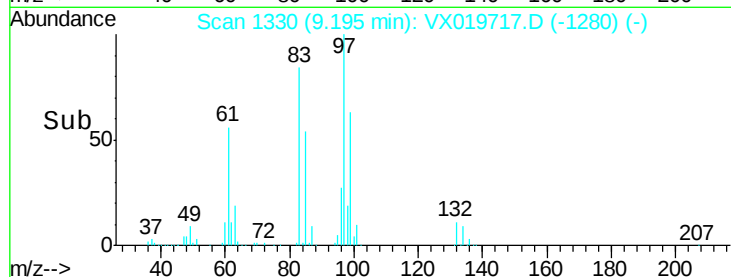
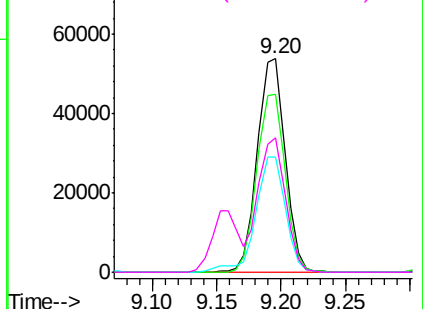
#55
 1,1,2-Trichloroethane
 Concen: 20.731 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion: 97 Resp: 80563
 Ion Ratio Lower Upper
 97 100
 83 83.5 69.3 103.9
 85 54.0 44.3 66.5
 99 62.9 50.3 75.5

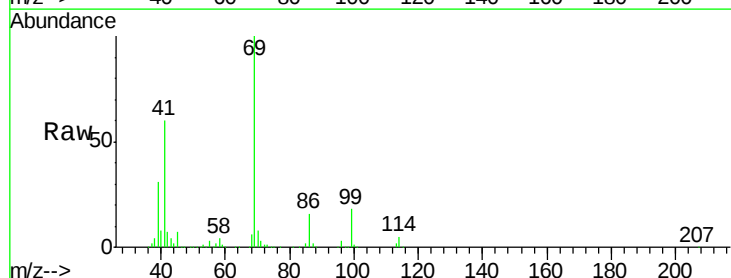


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

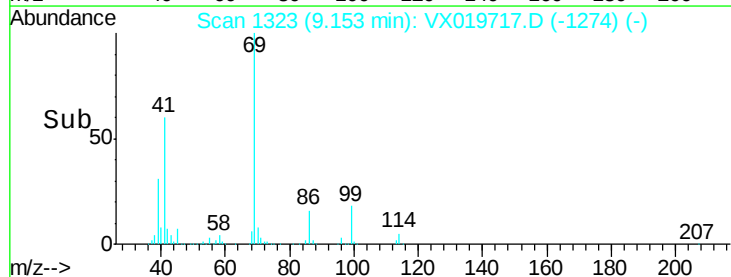
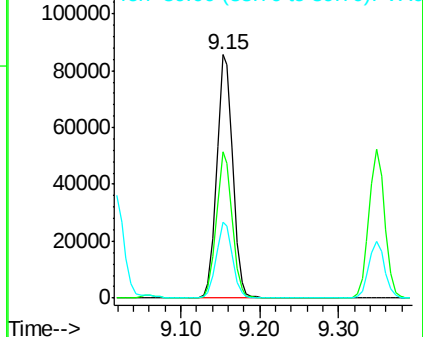


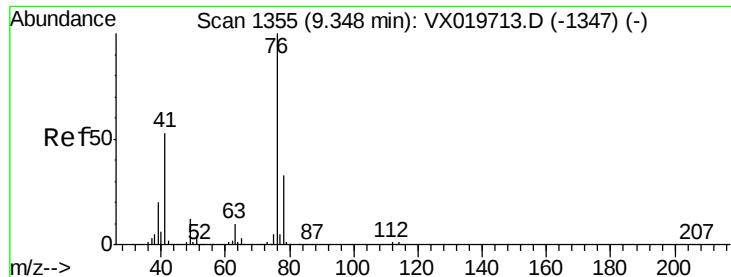
#56
 Ethyl methacrylate
 Concen: 20.551 ug/l
 RT: 9.15 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

Tgt Ion: 69 Resp: 120819
 Ion Ratio Lower Upper
 69 100
 41 58.9 46.8 70.2
 39 31.1 24.7 37.1



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





#57

1,3-Dichloropropane

Concen: 20.492 ug/l

RT: 9.35 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

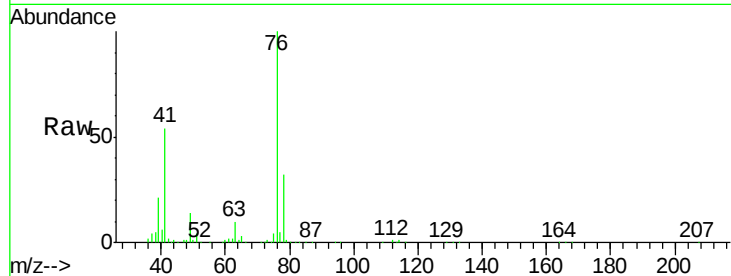
VSTDIC020

Tgt Ion: 76 Resp: 136016

Ion Ratio Lower Upper

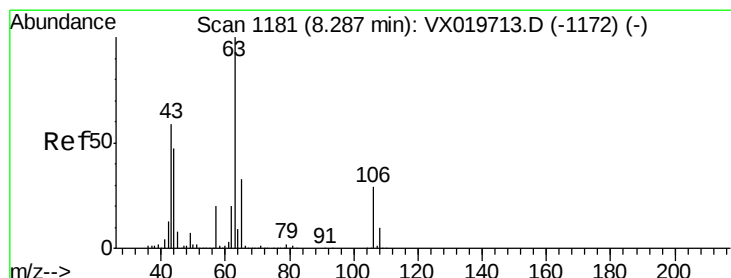
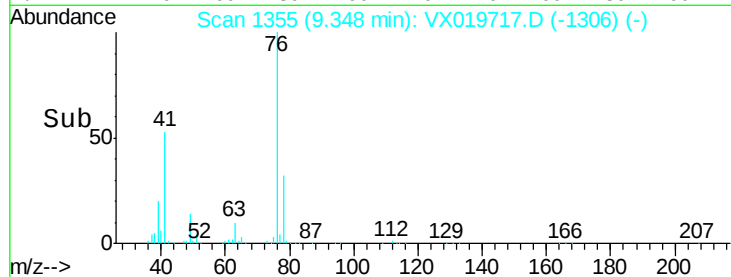
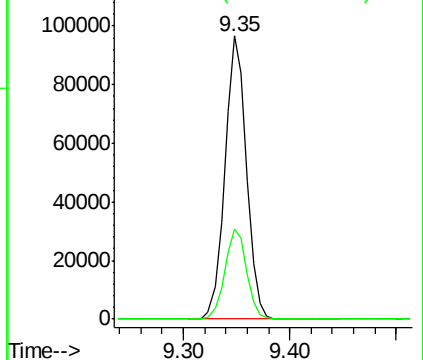
76 100

78 32.2 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 100.830 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX019717.D

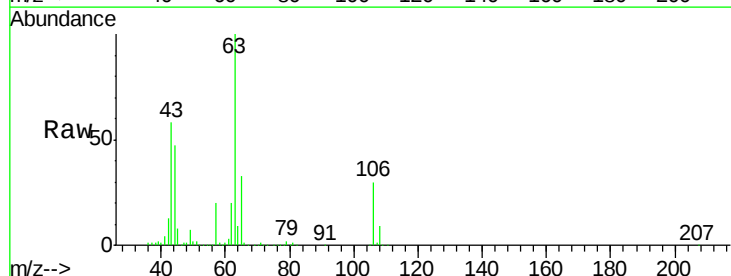
Acq: 04 Dec 2020 15:10

Tgt Ion: 63 Resp: 316293

Ion Ratio Lower Upper

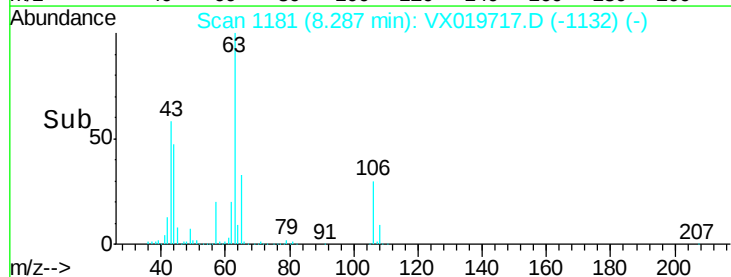
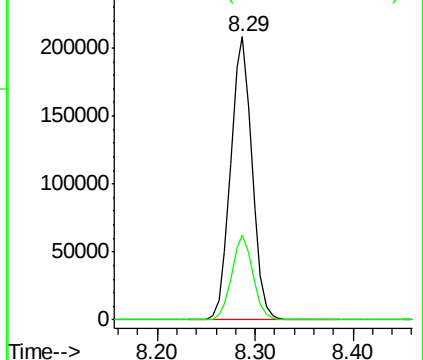
63 100

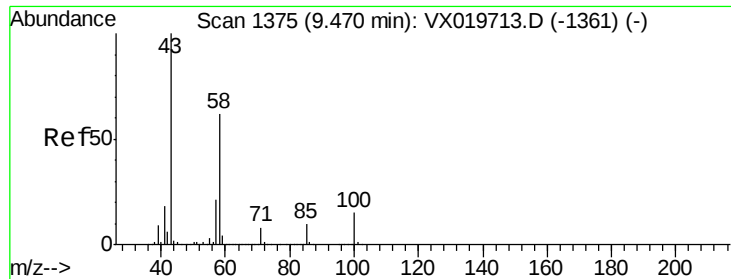
106 29.6 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

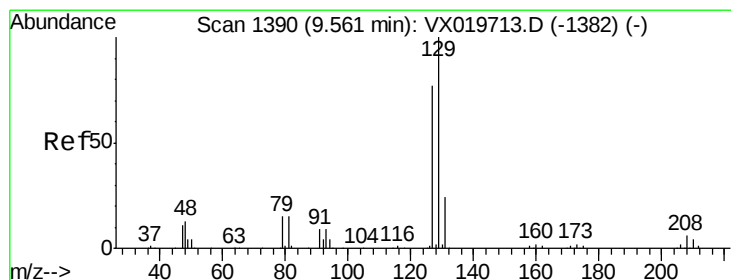
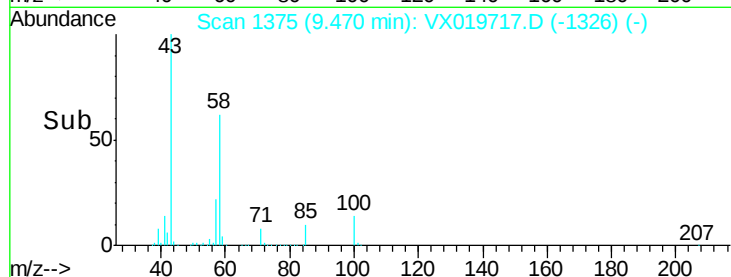
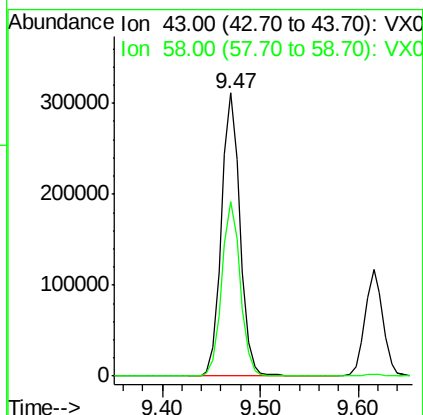
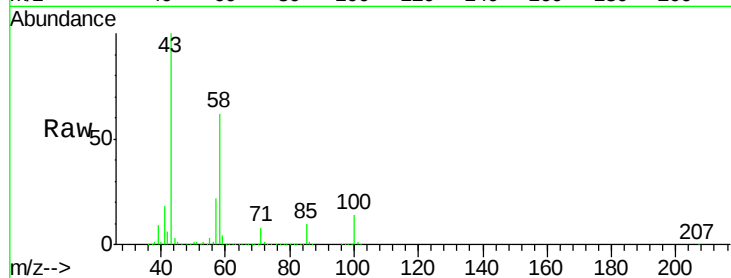




#59
2-Hexanone
Concen: 104.790 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

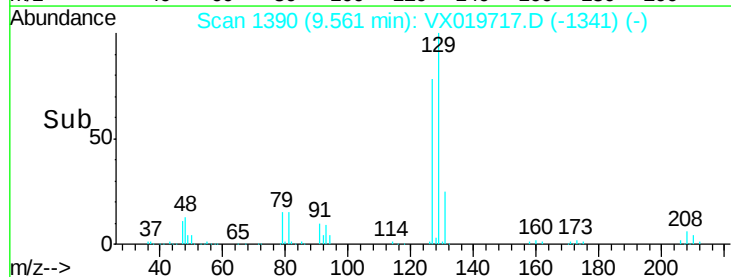
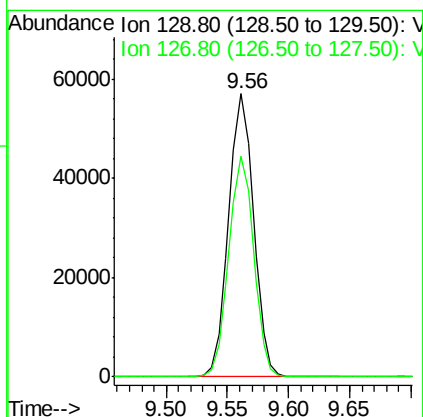
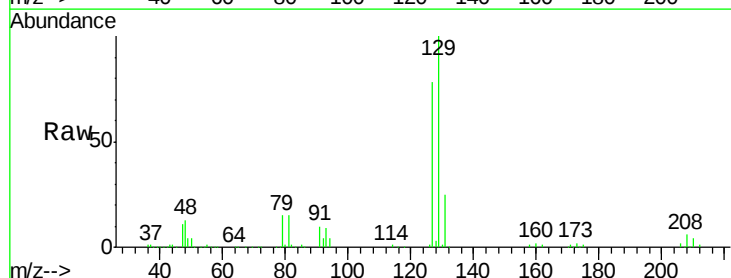
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

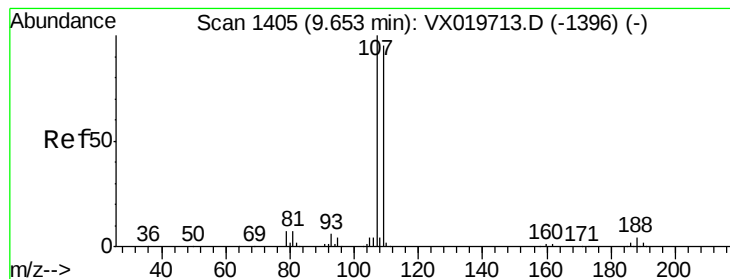
Tgt Ion: 43 Resp: 410520
Ion Ratio Lower Upper
43 100
58 61.3 30.9 92.8



#60
Dibromochloromethane
Concen: 20.512 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion: 129 Resp: 80868
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.2





#61

1,2-Dibromoethane

Concen: 20.545 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

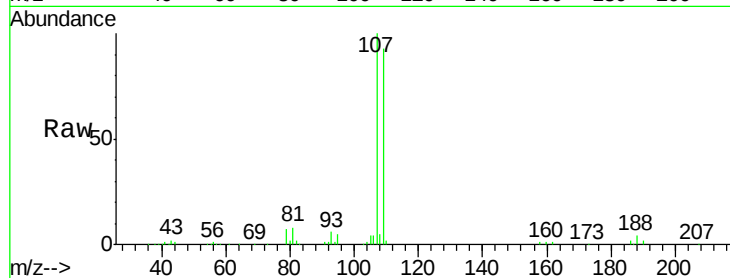
VSTDIC020

Tgt Ion: 107 Resp: 84754

Ion Ratio Lower Upper

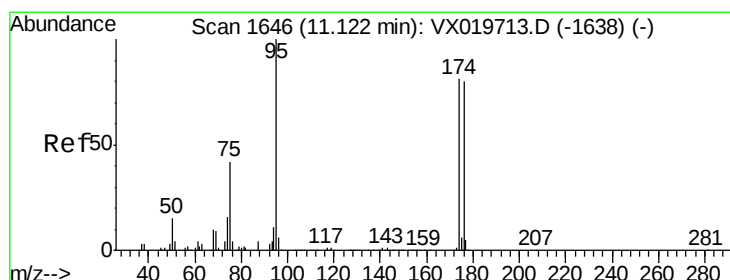
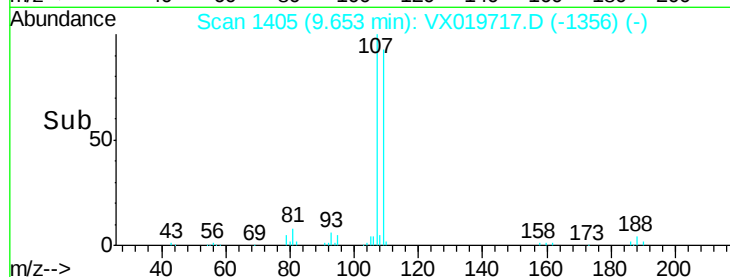
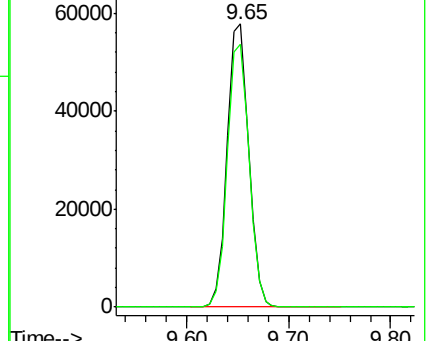
107 100

109 93.7 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.356 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

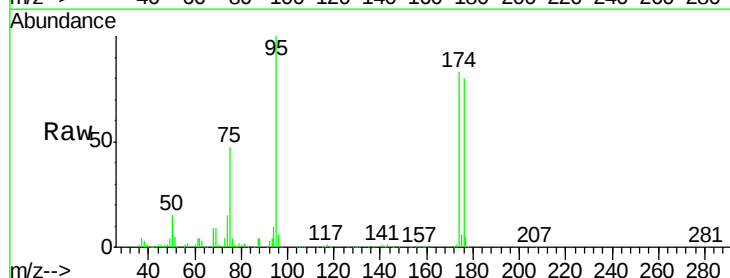
Tgt Ion: 95 Resp: 108263

Ion Ratio Lower Upper

95 100

174 79.3 0.0 154.6

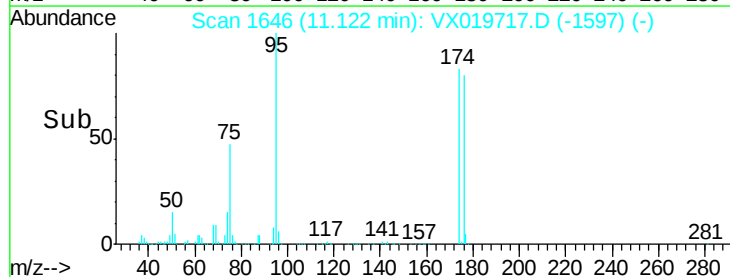
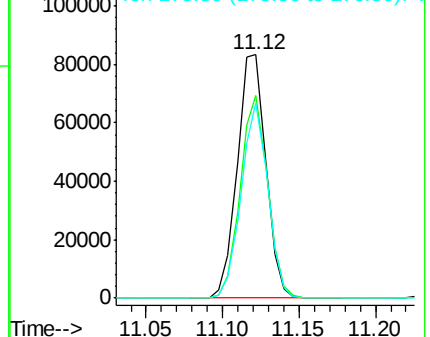
176 74.7 0.0 155.8

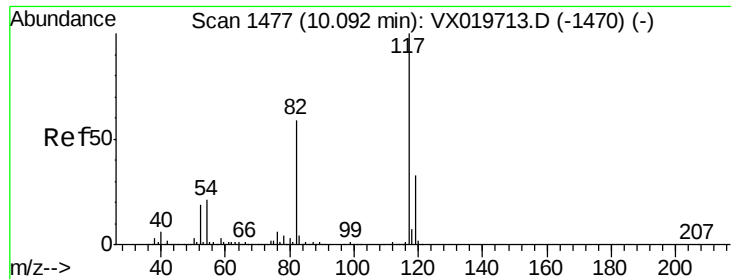


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

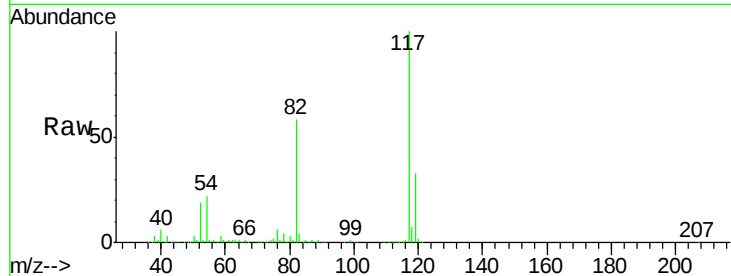
Tgt Ion:117 Resp: 517073

Ion Ratio Lower Upper

117 100

82 58.5 47.4 71.2

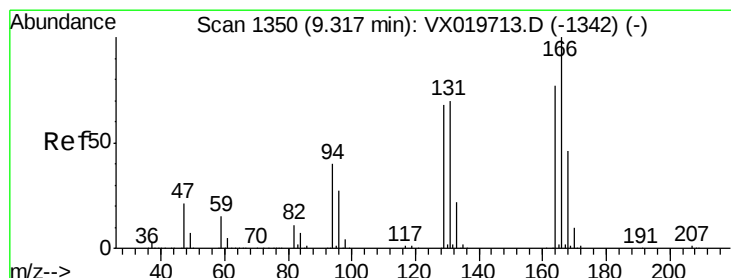
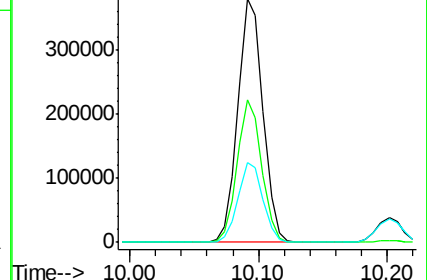
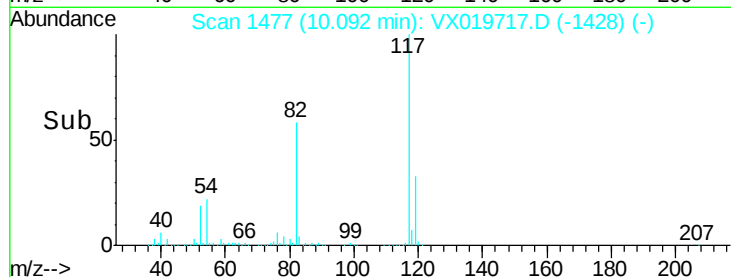
119 32.7 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.733 ug/l

RT: 9.31 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Tgt Ion:164 Resp: 73562

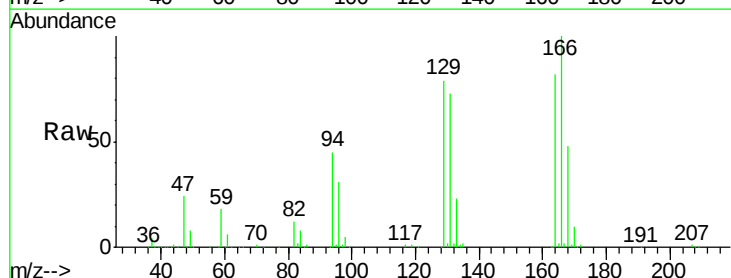
Ion Ratio Lower Upper

164 100

166 121.3 103.4 155.2

129 95.6 70.8 106.2

131 88.5 72.5 108.7

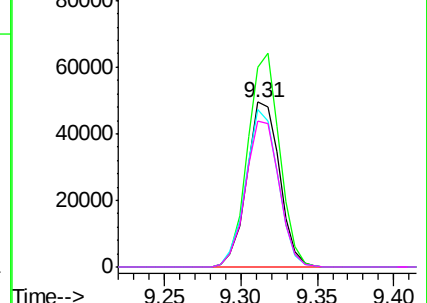
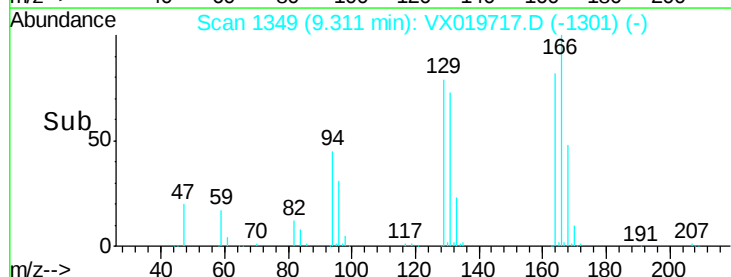


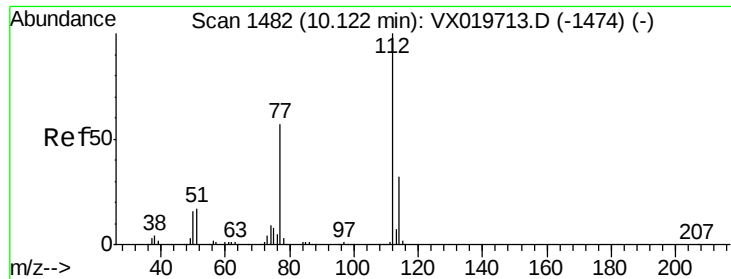
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

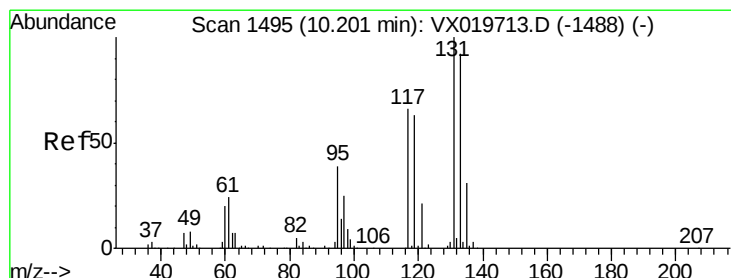
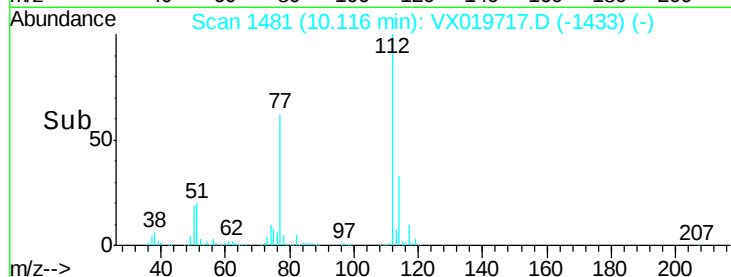
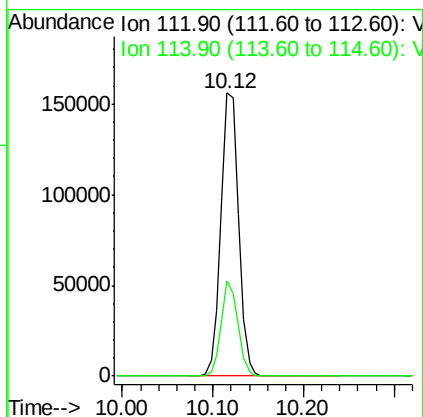
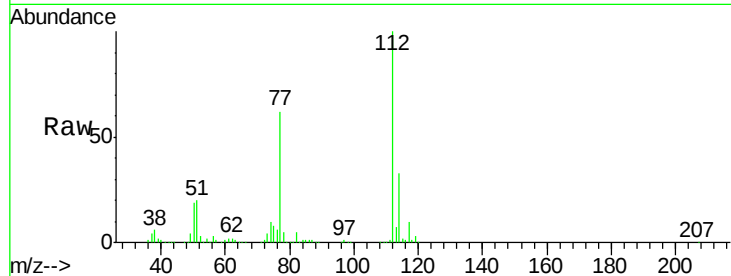




#65
Chlorobenzene
Concen: 21.234 ug/l
RT: 10.12 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

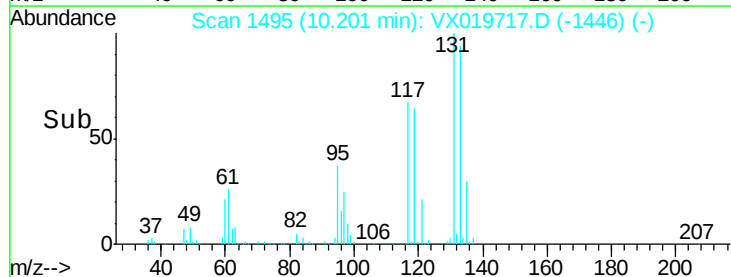
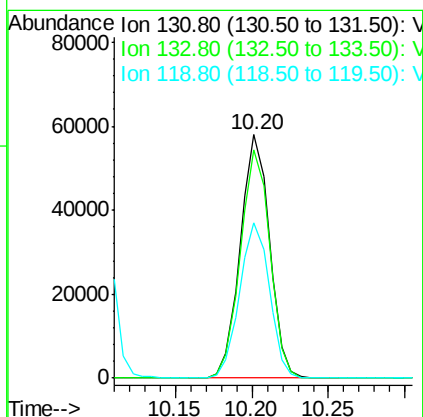
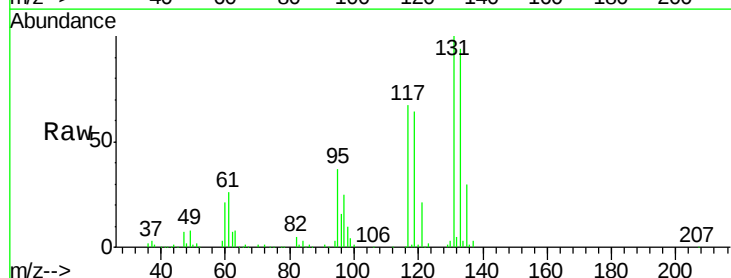
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

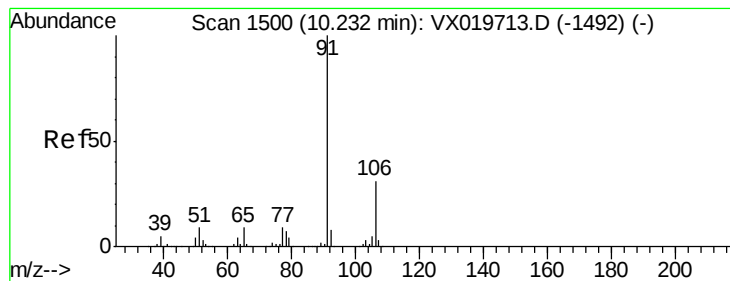
Tgt Ion:112 Resp: 214254
Ion Ratio Lower Upper
112 100
114 33.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.233 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion:131 Resp: 77085
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 65.5 32.1 96.5





#67

Ethyl Benzene

Concen: 21.731 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

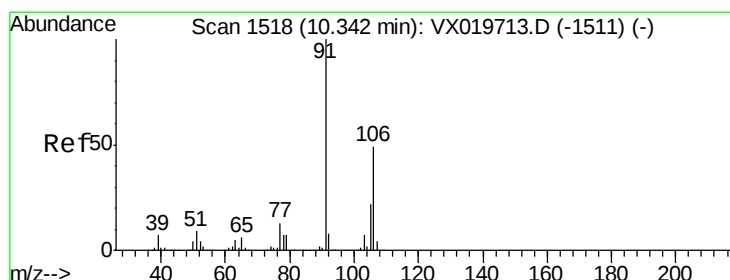
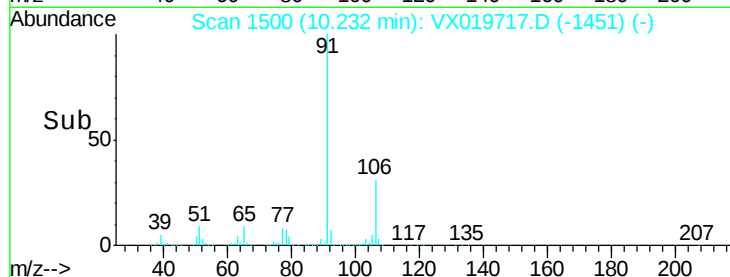
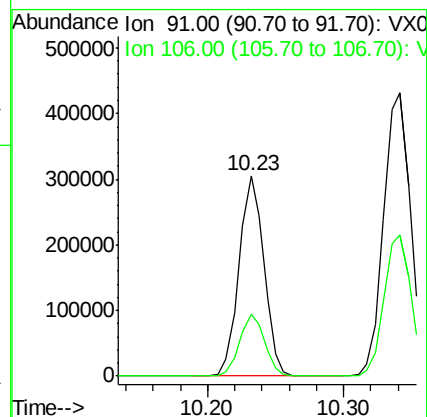
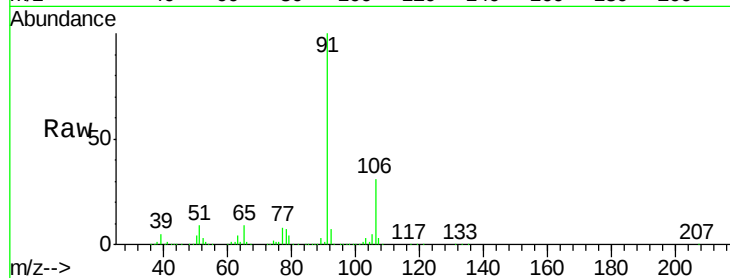
VSTDIC020

Tgt Ion: 91 Resp: 388242

Ion Ratio Lower Upper

91 100

106 31.0 24.6 37.0



#68

m/p-Xylenes

Concen: 44.036 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019717.D

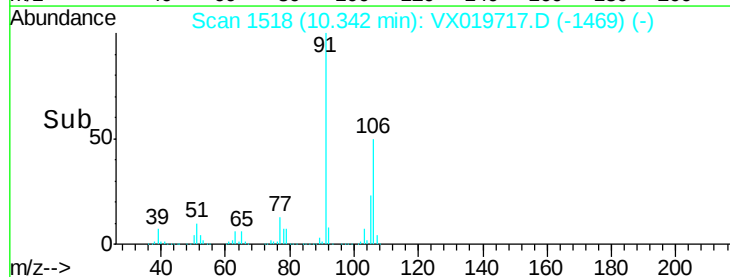
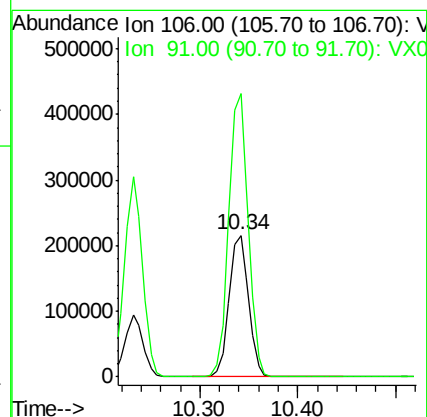
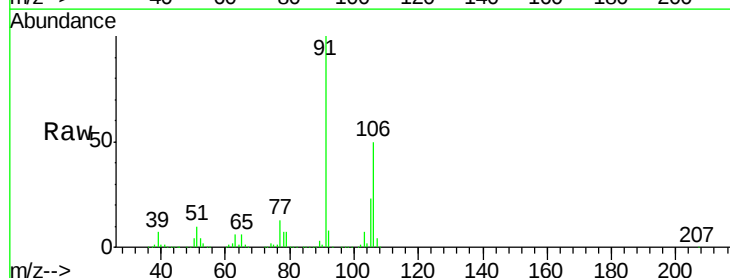
Acq: 04 Dec 2020 15:10

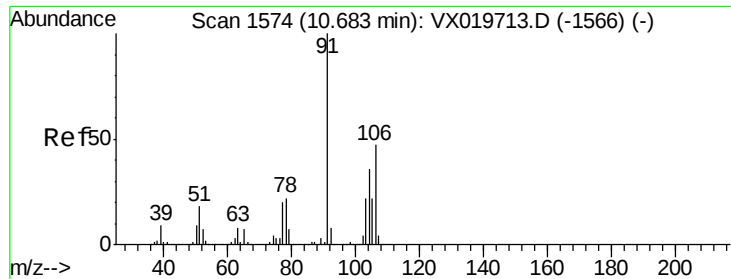
Tgt Ion: 106 Resp: 296346

Ion Ratio Lower Upper

106 100

91 200.8 162.8 244.2

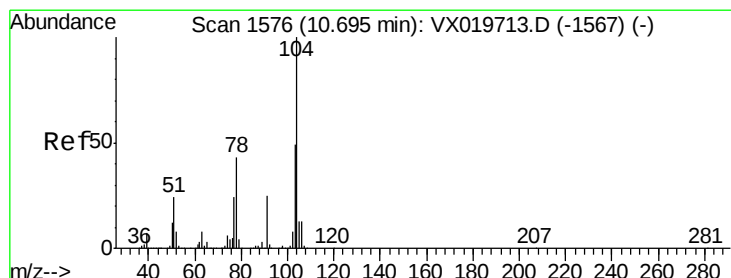
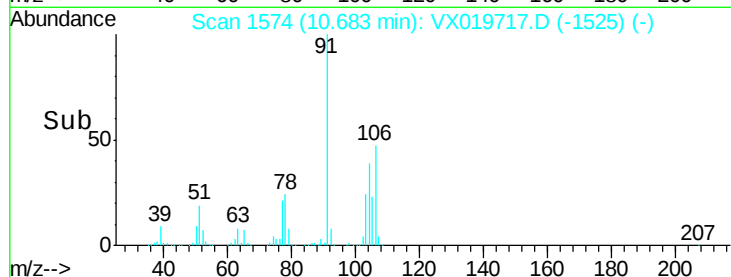
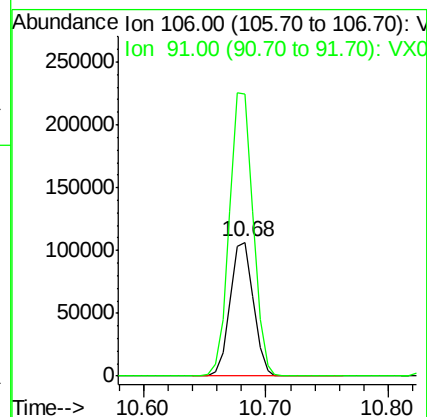
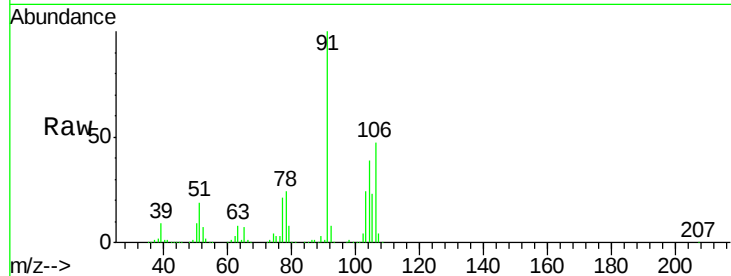




#69
o-Xylene
Concen: 21.650 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

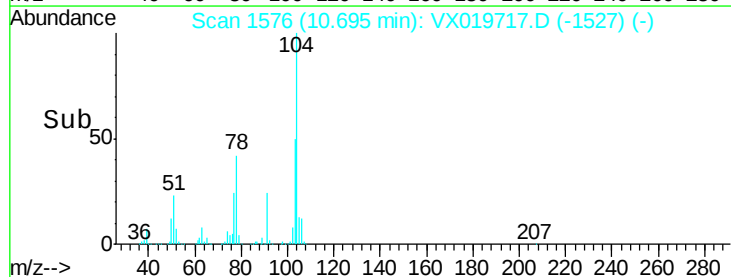
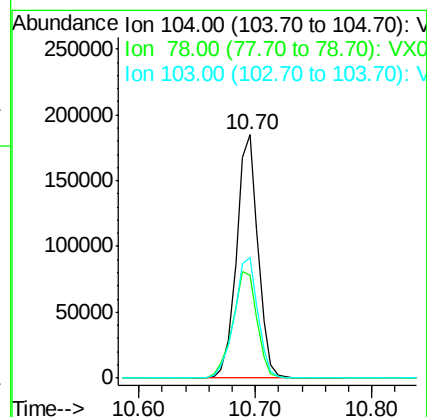
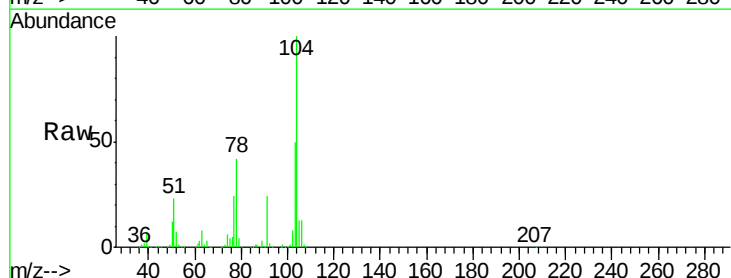
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

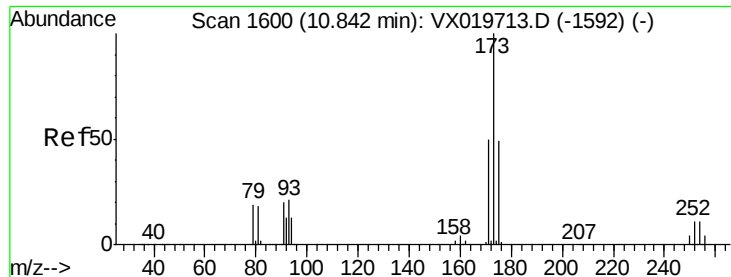
Tgt Ion:106 Resp: 140189
Ion Ratio Lower Upper
106 100
91 215.0 108.1 324.2



#70
Styrene
Concen: 21.597 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion:104 Resp: 236520
Ion Ratio Lower Upper
104 100
78 49.8 40.0 60.0
103 54.7 43.4 65.0





#71

Bromoform

Concen: 21.345 ug/l

RT: 10.84 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

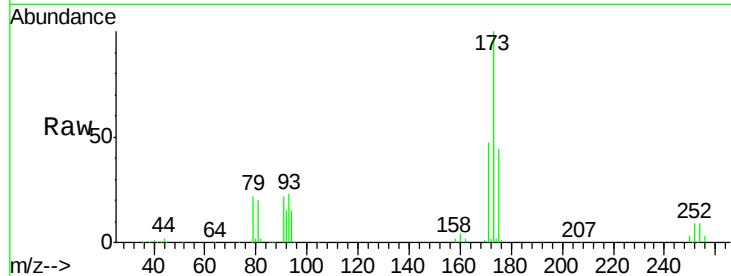
Tgt Ion:173 Resp: 60777

Ion Ratio Lower Upper

173 100

175 47.6 23.9 71.8

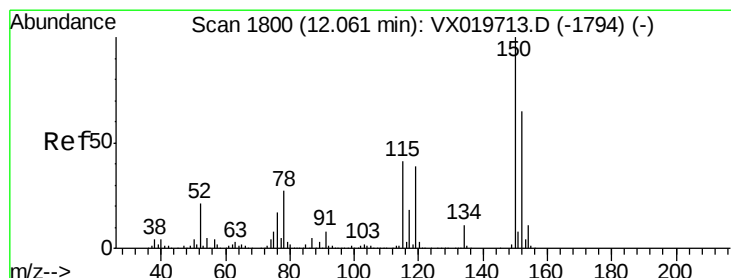
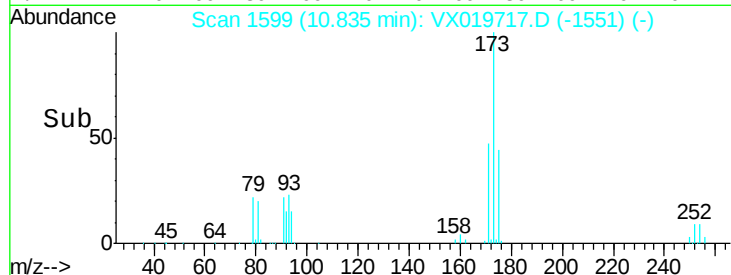
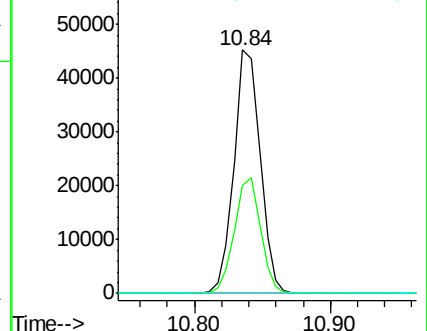
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

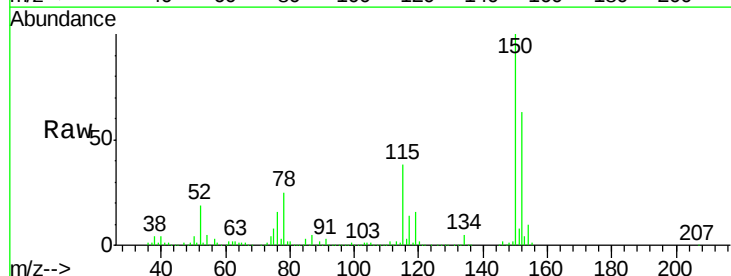
Tgt Ion:152 Resp: 264560

Ion Ratio Lower Upper

152 100

115 69.2 41.1 123.3

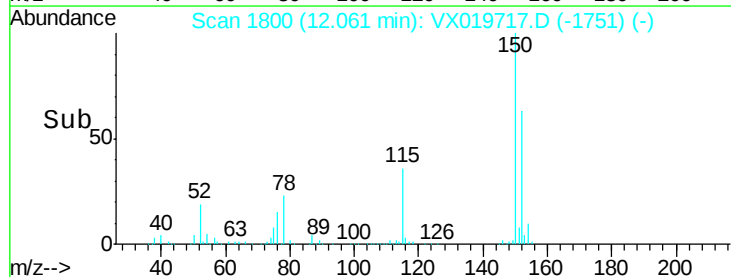
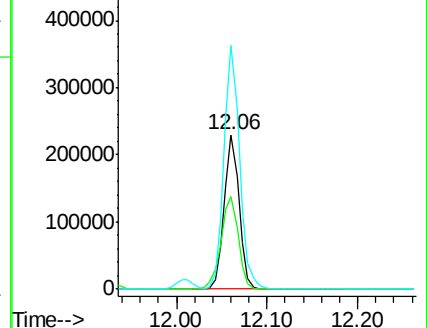
150 166.4 0.0 349.0

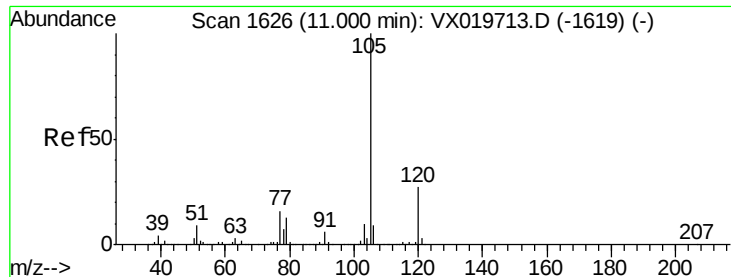


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.384 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

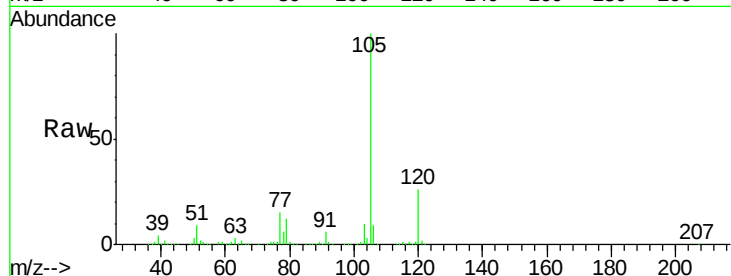
VSTDIC020

Tgt Ion: 105 Resp: 380080

Ion Ratio Lower Upper

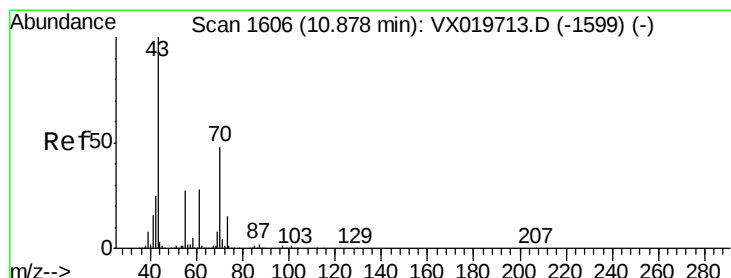
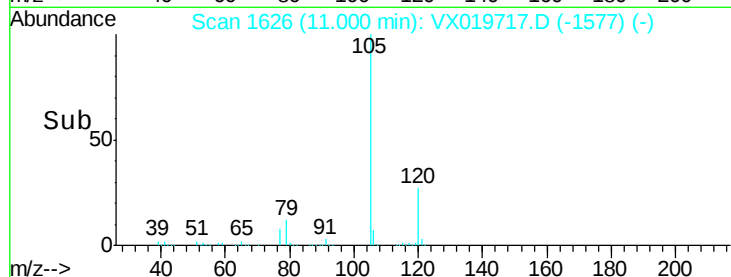
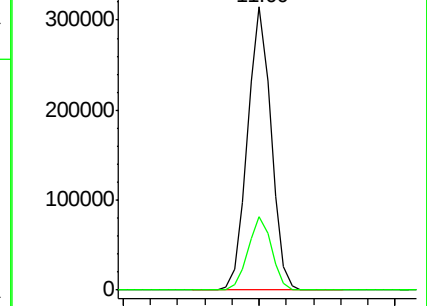
105 100

120 26.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.872 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Tgt Ion: 43 Resp: 148427

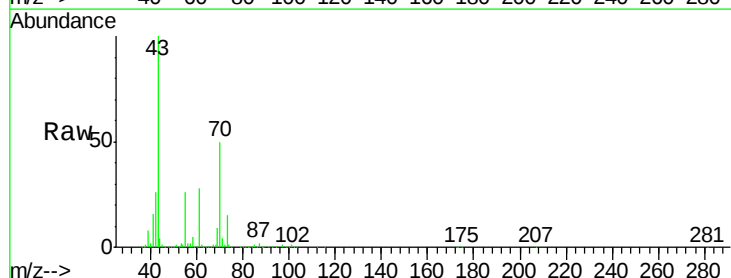
Ion Ratio Lower Upper

43 100

70 50.0 39.0 58.6

55 27.0 21.5 32.3

61 27.9 22.1 33.1

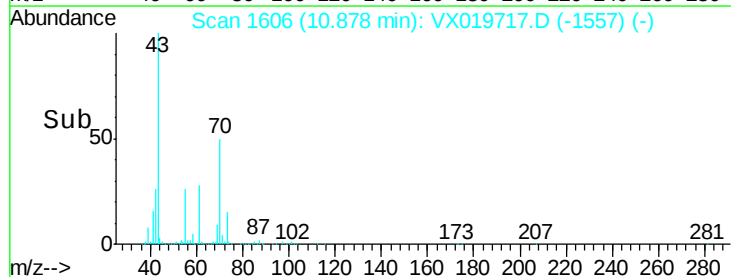
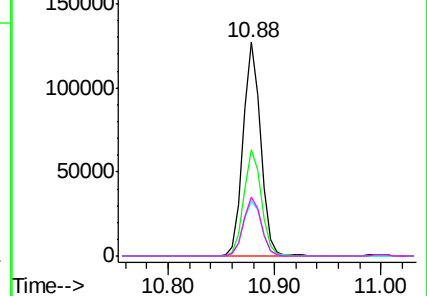


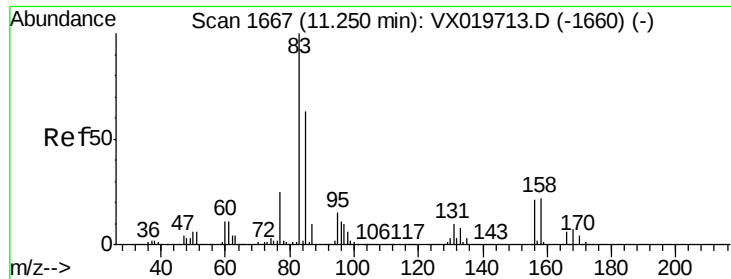
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.426 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

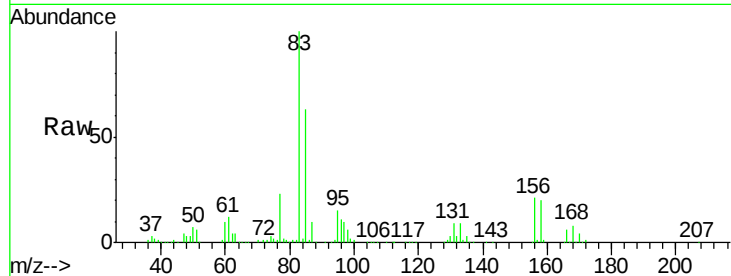
Tgt Ion: 83 Resp: 128402

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.2

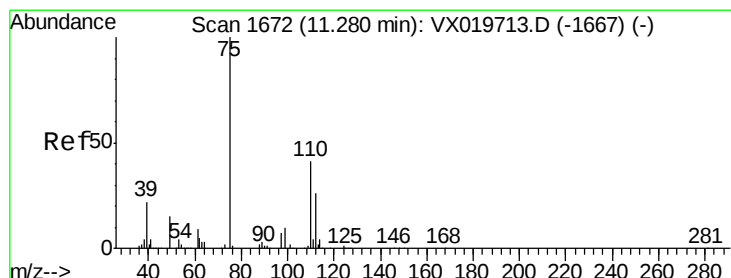
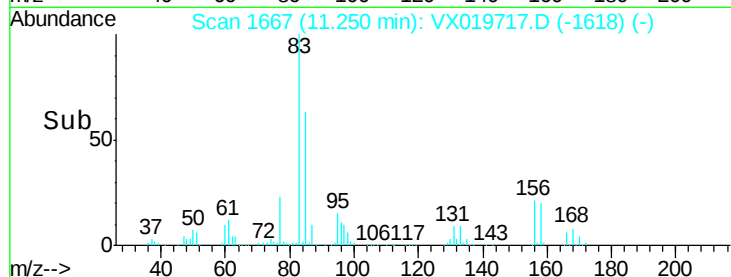
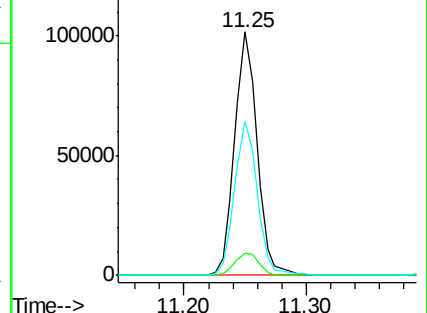
85 64.2 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.135 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019717.D

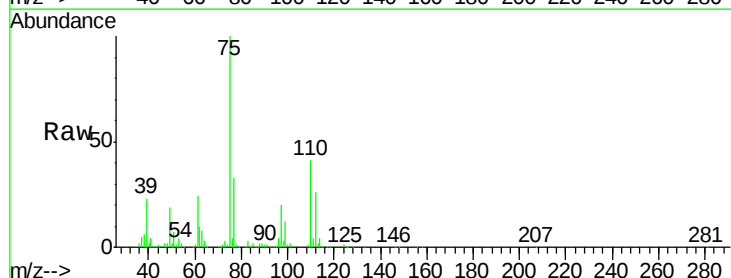
Acq: 04 Dec 2020 15:10

Tgt Ion: 75 Resp: 147434

Ion Ratio Lower Upper

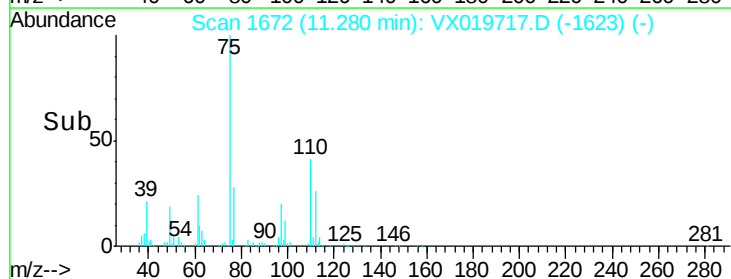
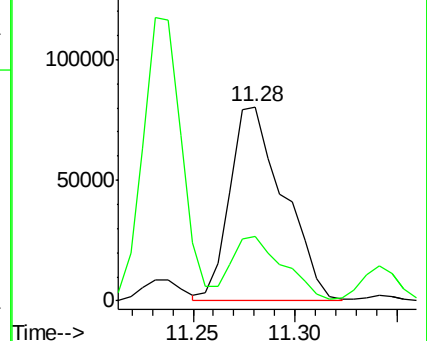
75 100

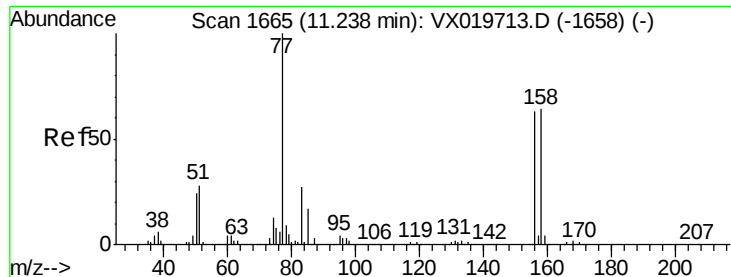
77 31.7 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.023 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

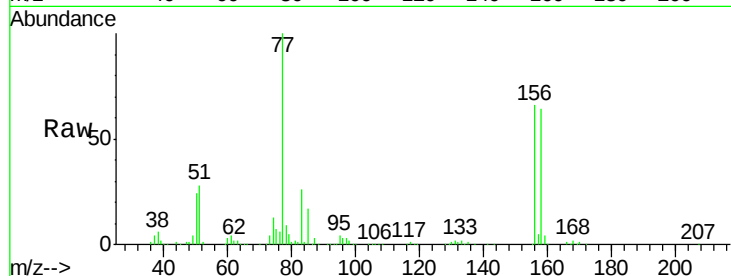
Tgt Ion:156 Resp: 95609

Ion Ratio Lower Upper

156 100

77 162.7 82.8 248.6

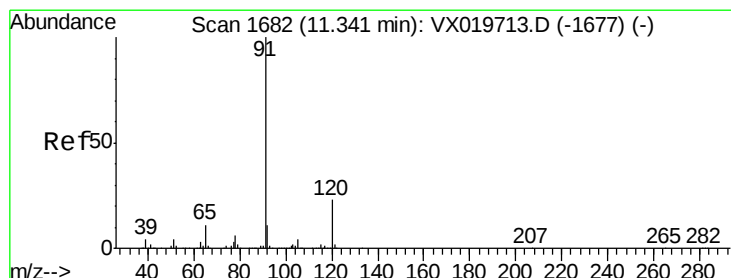
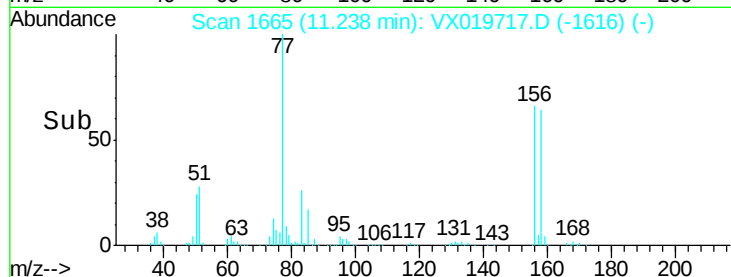
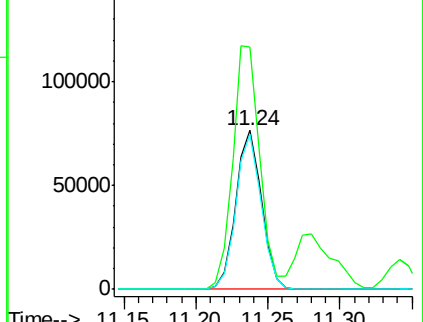
158 96.2 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.237 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019717.D

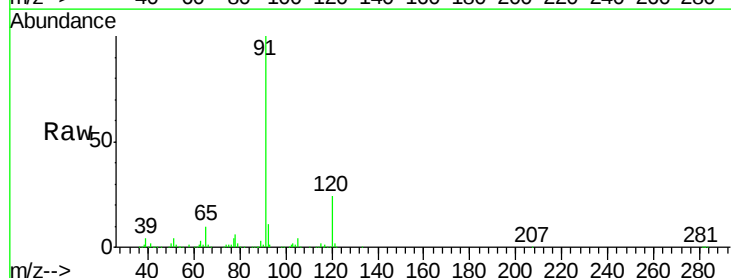
Acq: 04 Dec 2020 15:10

Tgt Ion: 91 Resp: 432488

Ion Ratio Lower Upper

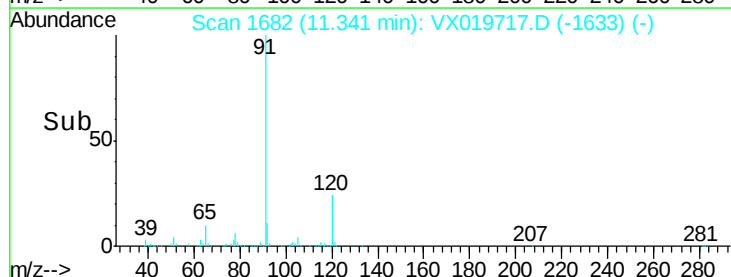
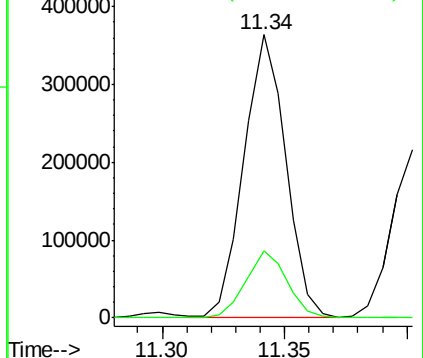
91 100

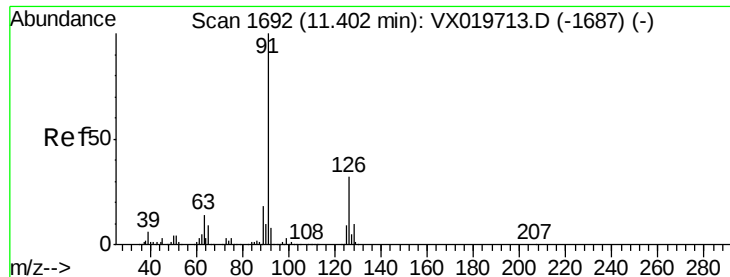
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

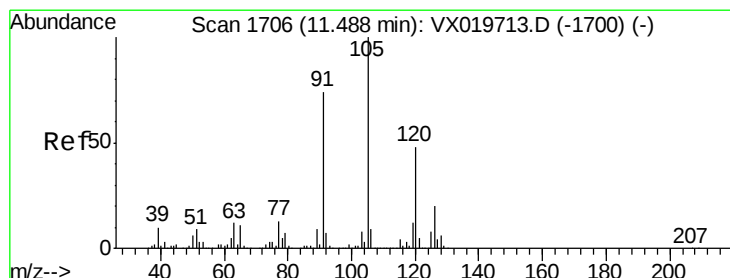
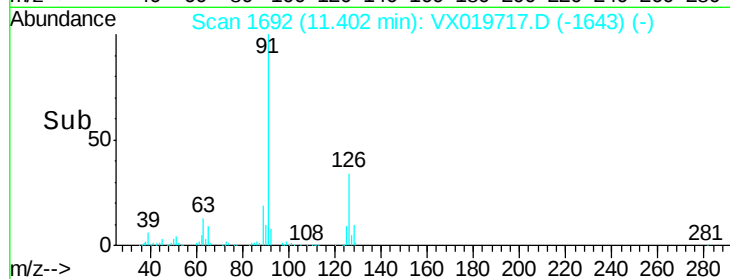
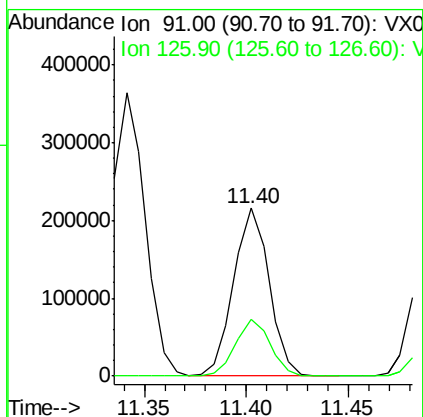
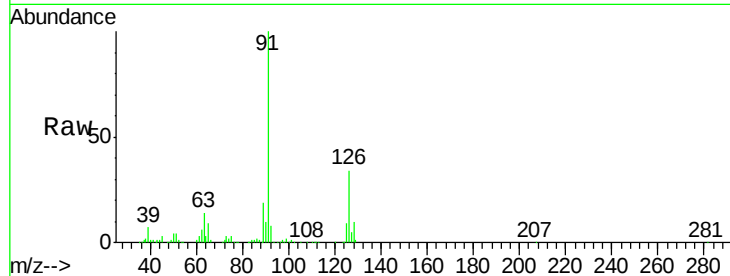




#79
2-Chlorotoluene
Concen: 20.717 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

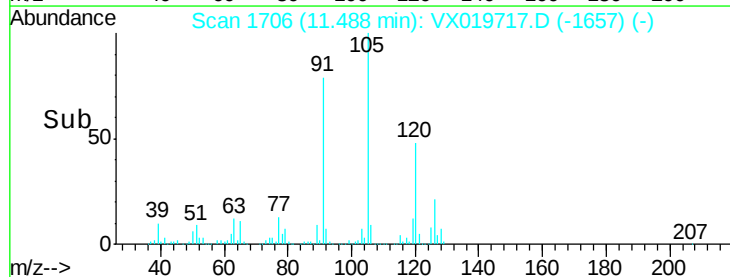
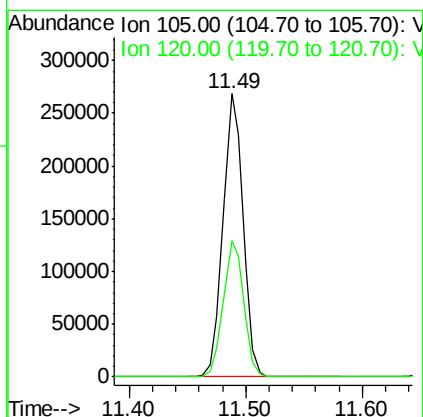
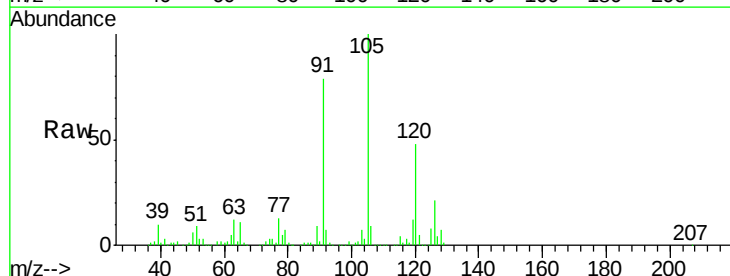
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

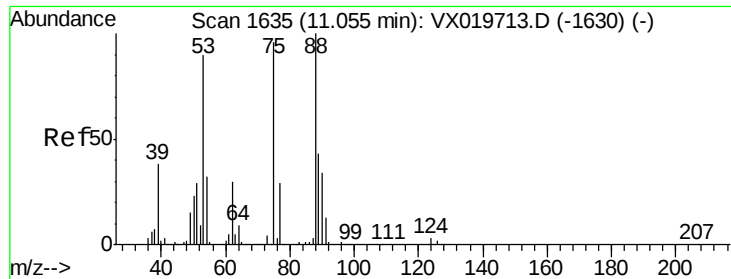
Tgt Ion: 91 Resp: 259437
Ion Ratio Lower Upper
91 100
126 33.6 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 21.249 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion: 105 Resp: 319047
Ion Ratio Lower Upper
105 100
120 48.8 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.204 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

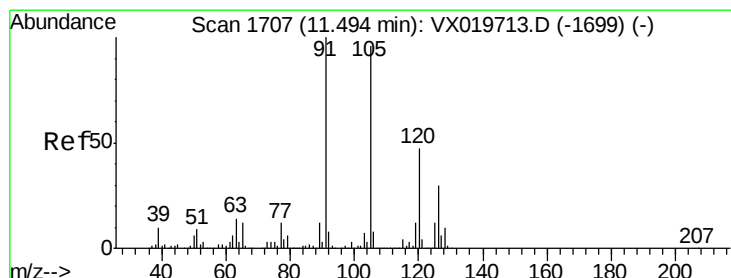
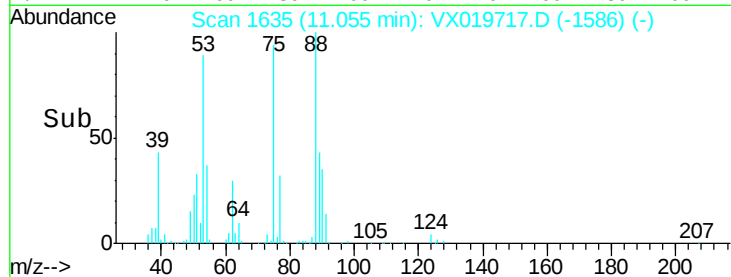
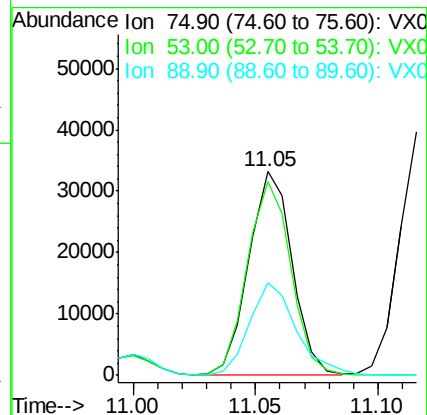
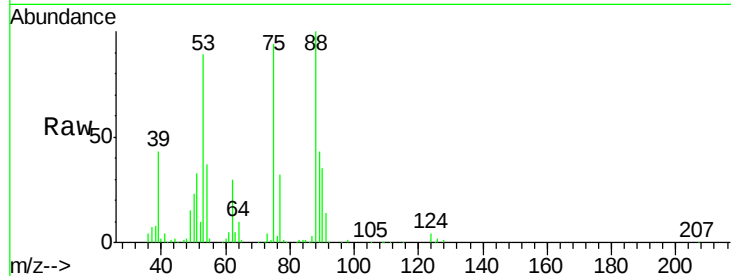
Tgt Ion: 75 Resp: 40932

Ion Ratio Lower Upper

75 100

53 96.5 74.5 111.7

89 49.8 37.9 56.9



#82

4-Chlorotoluene

Concen: 21.259 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019717.D

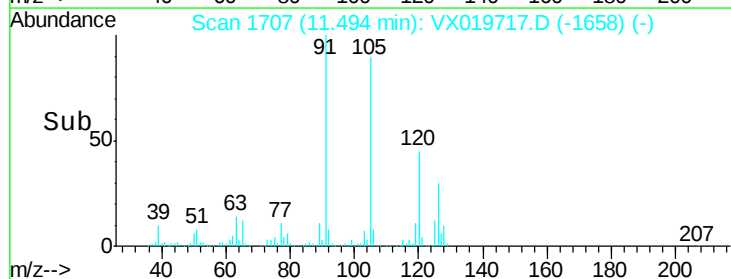
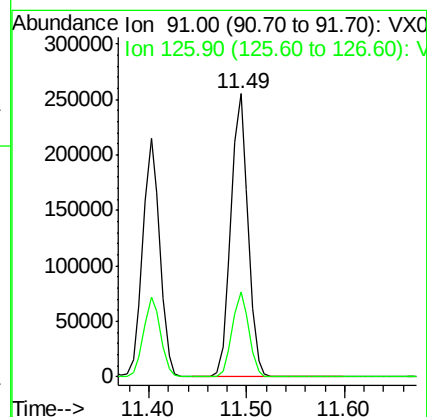
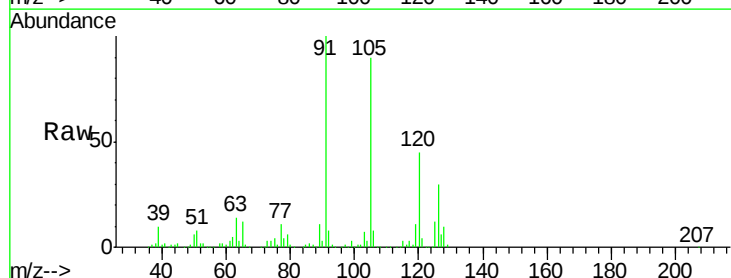
Acq: 04 Dec 2020 15:10

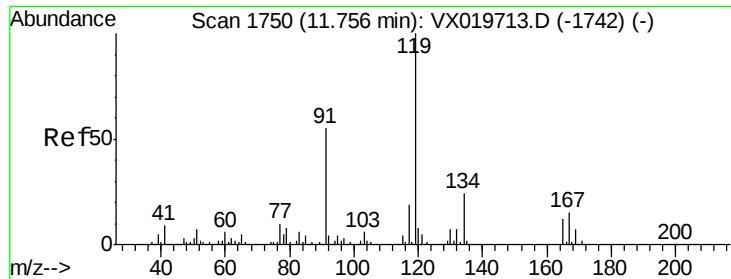
Tgt Ion: 91 Resp: 310622

Ion Ratio Lower Upper

91 100

126 29.4 14.9 44.5

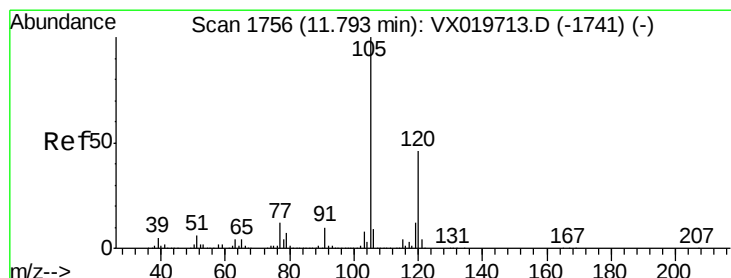
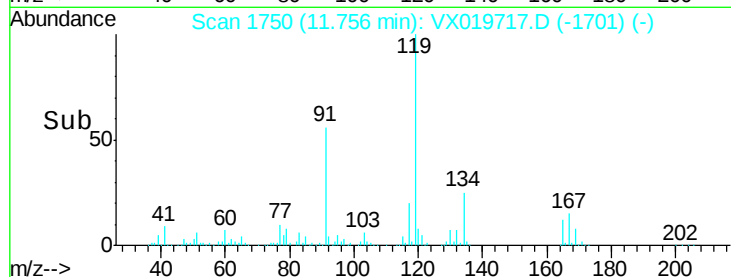
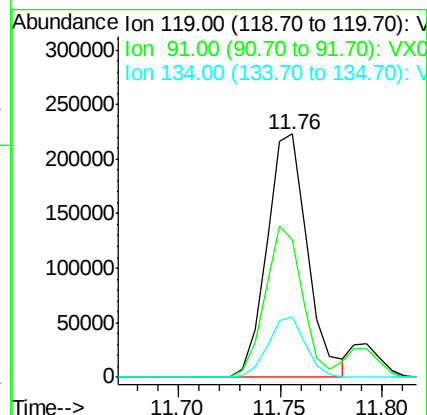
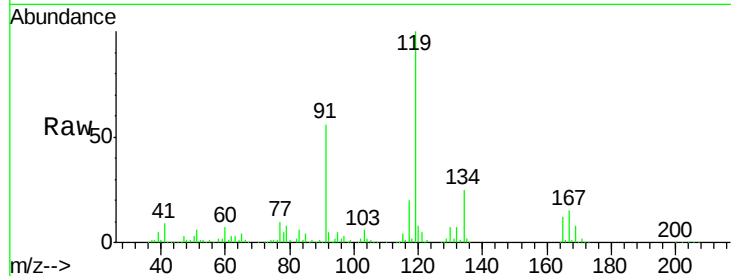




#83
 tert-Butylbenzene
 Concen: 20.902 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

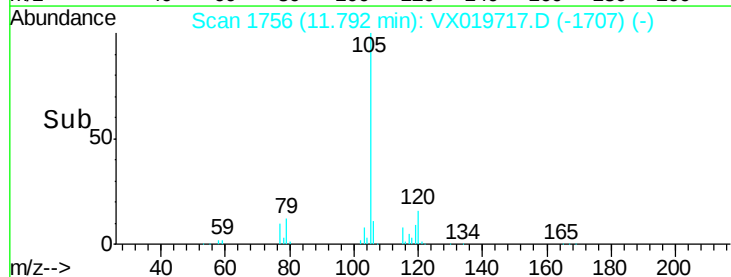
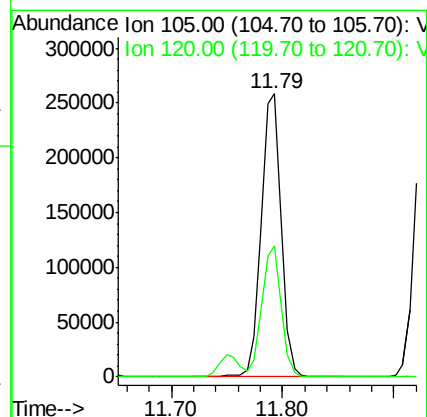
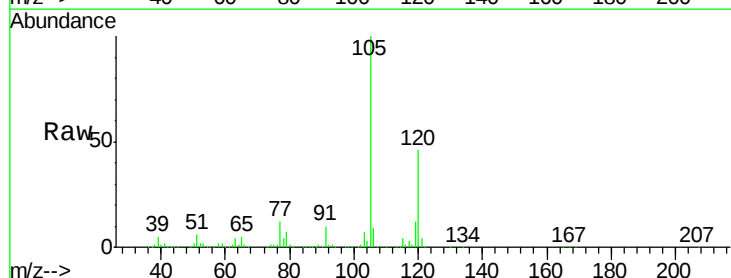
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

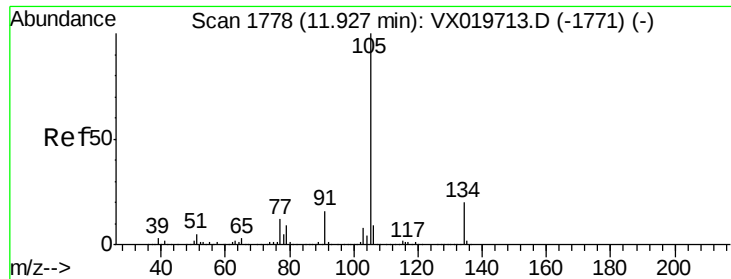
Tgt Ion:119 Resp: 308621
 Ion Ratio Lower Upper
 119 100
 91 57.2 27.9 83.7
 134 23.2 11.3 33.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.369 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

Tgt Ion:105 Resp: 323433
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.3

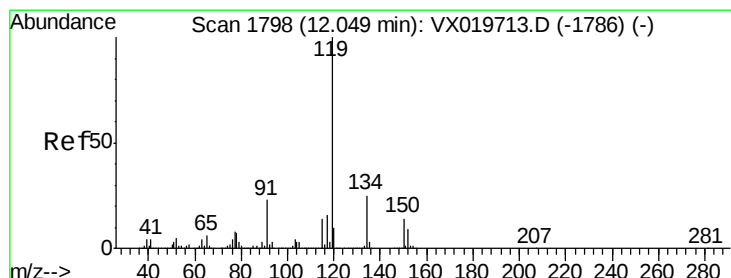
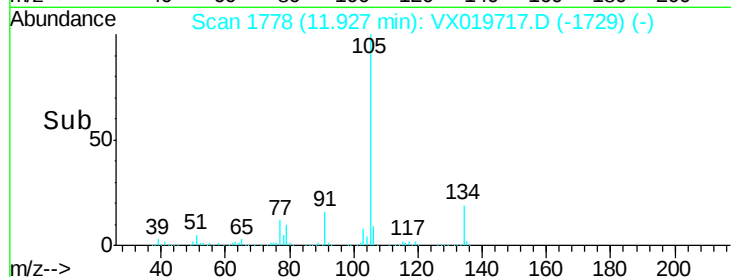
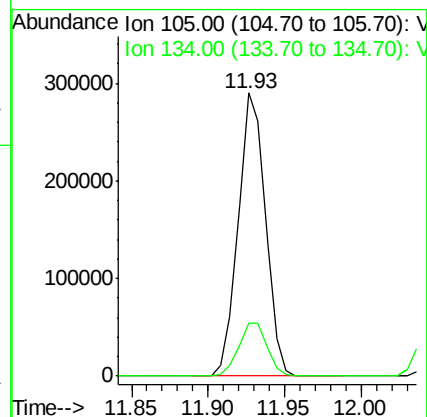
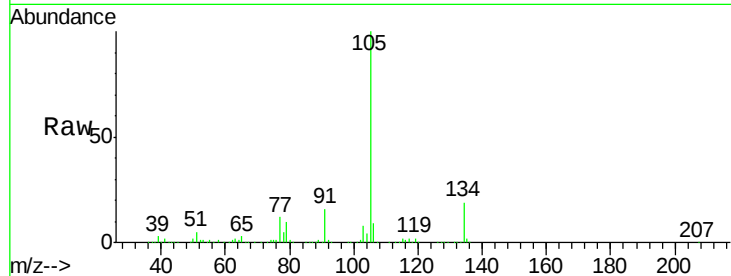




#85
 sec-Butylbenzene
 Concen: 21.309 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

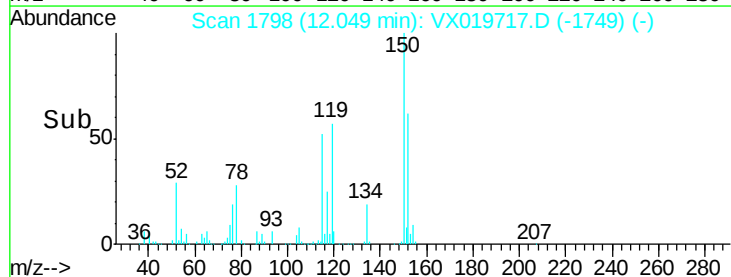
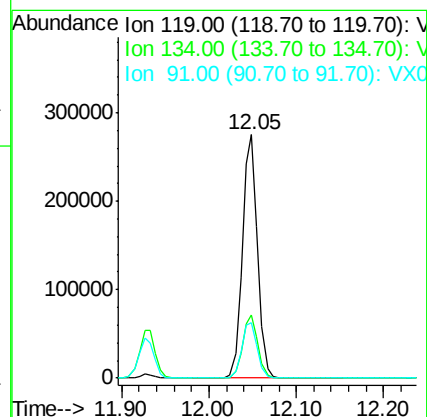
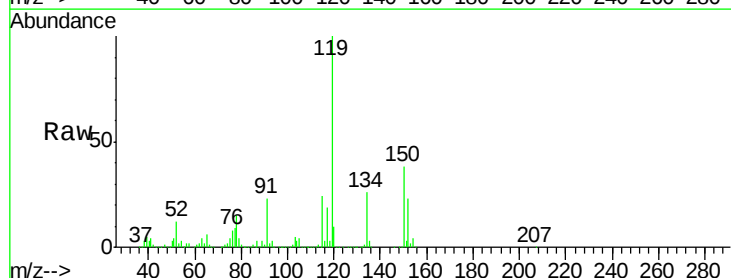
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

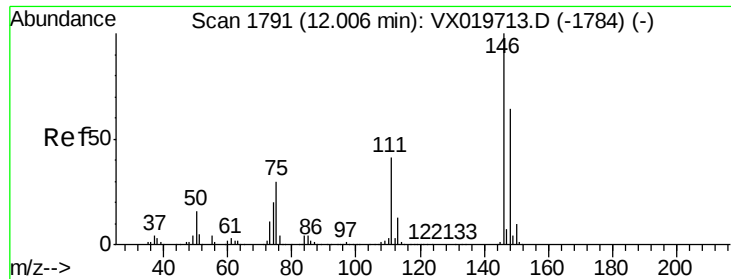
Tgt Ion:105 Resp: 358416
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 21.584 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

Tgt Ion:119 Resp: 332523
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.9 38.7
 91 23.5 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 20.956 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

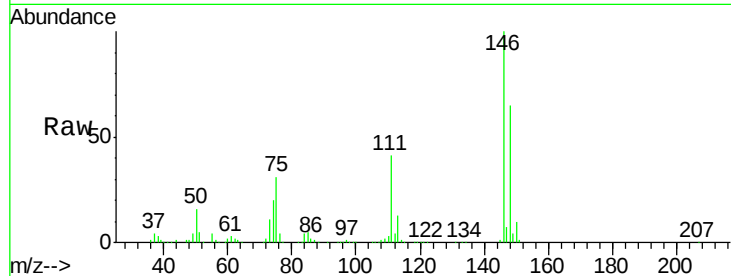
Tgt Ion:146 Resp: 174781

Ion Ratio Lower Upper

146 100

111 40.3 20.2 60.5

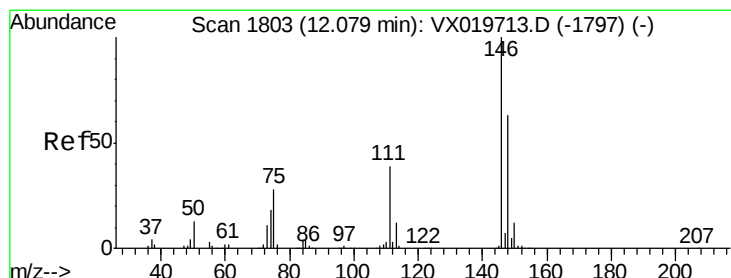
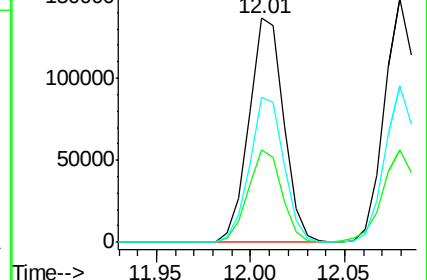
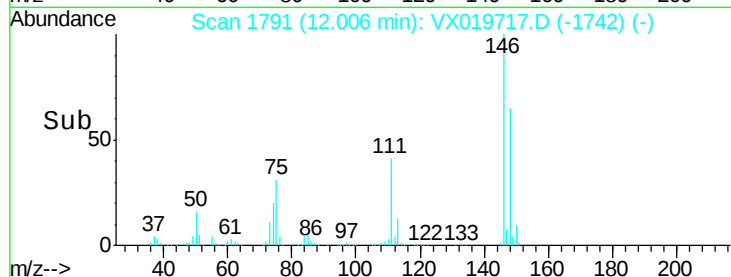
148 63.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.998 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019717.D

Acq: 04 Dec 2020 15:10

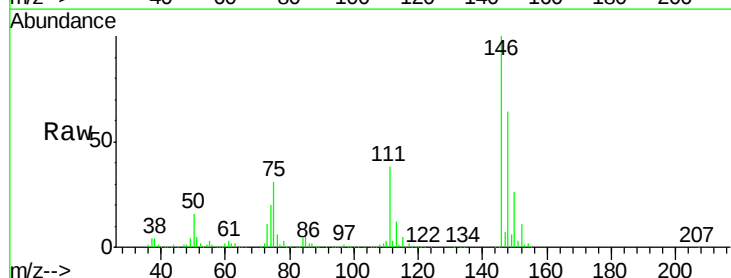
Tgt Ion:146 Resp: 177798

Ion Ratio Lower Upper

146 100

111 39.7 19.6 58.8

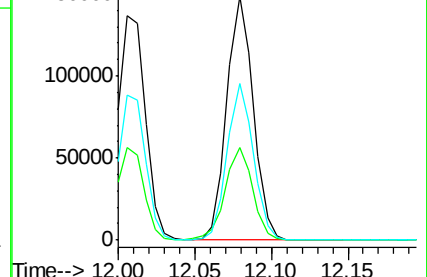
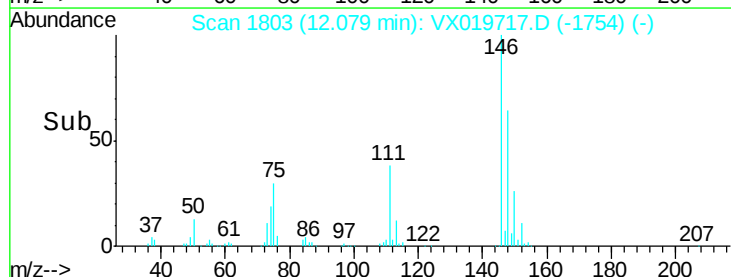
148 64.0 31.6 95.0

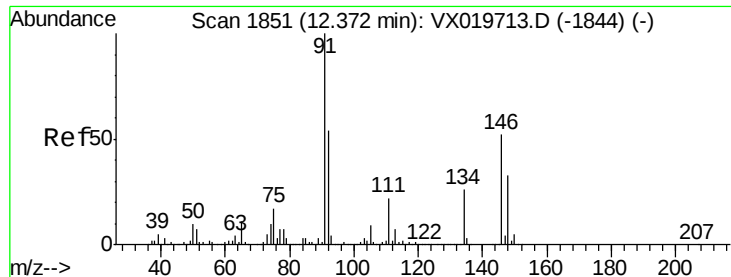


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

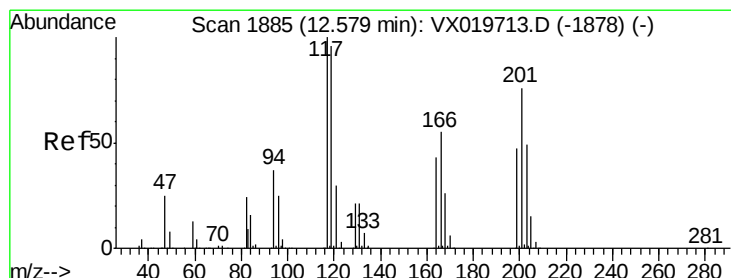
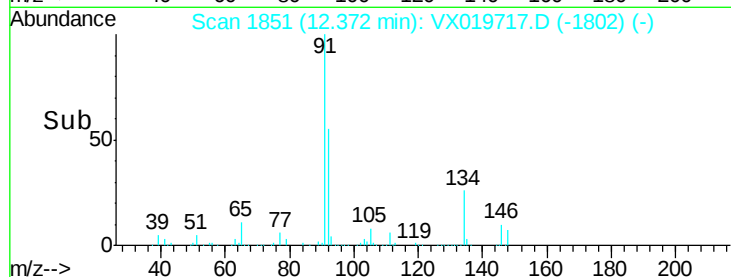
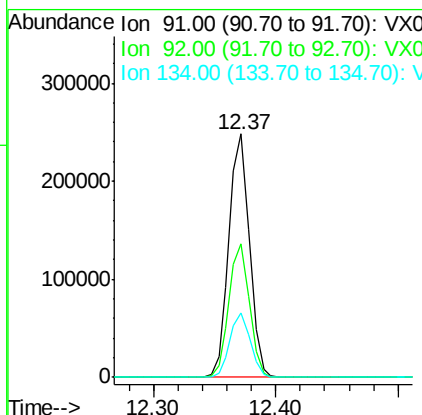
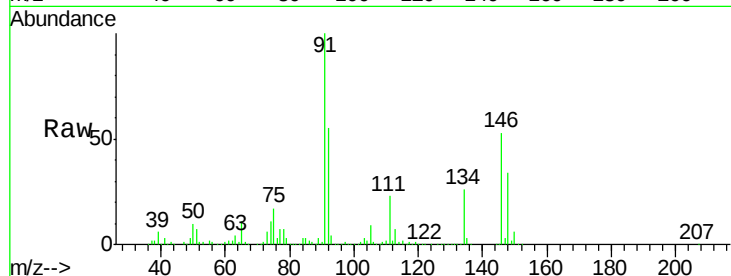




#89
n-Butylbenzene
Concen: 21.086 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

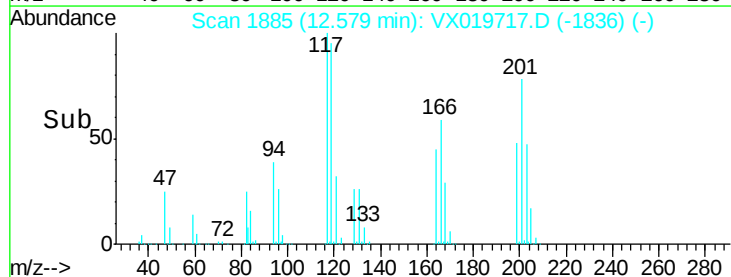
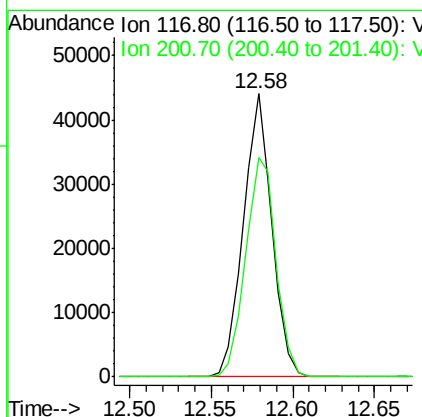
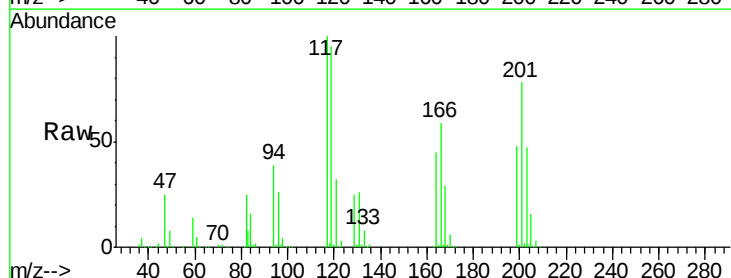
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

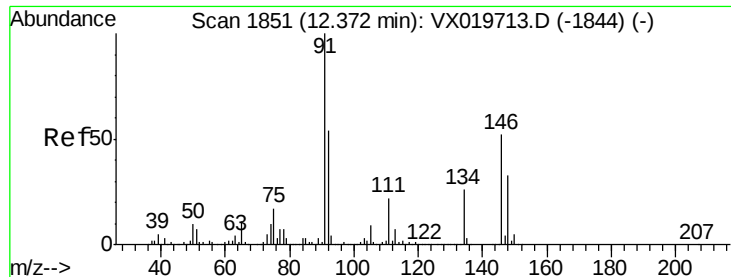
Tgt Ion: 91 Resp: 287902
Ion Ratio Lower Upper
91 100
92 54.7 27.4 82.0
134 26.1 13.2 39.5



#90
Hexachloroethane
Concen: 20.060 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion: 117 Resp: 53543
Ion Ratio Lower Upper
117 100
201 82.8 40.4 121.2

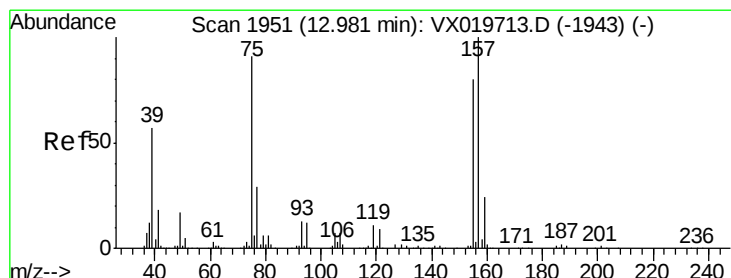
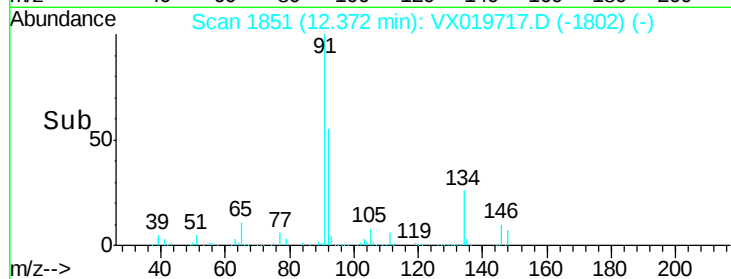
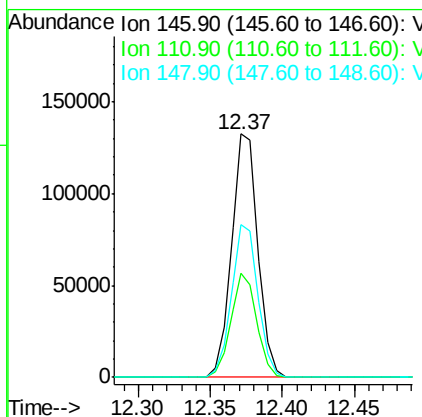
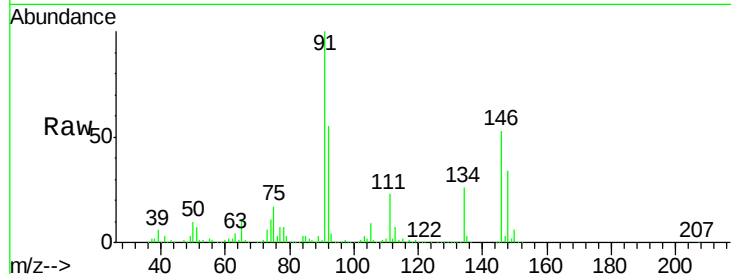




#91
 1,2-Dichlorobenzene
 Concen: 20.853 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

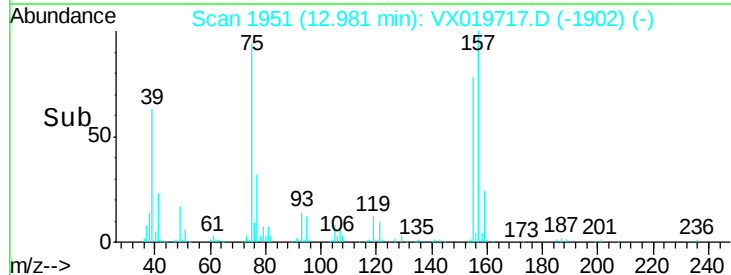
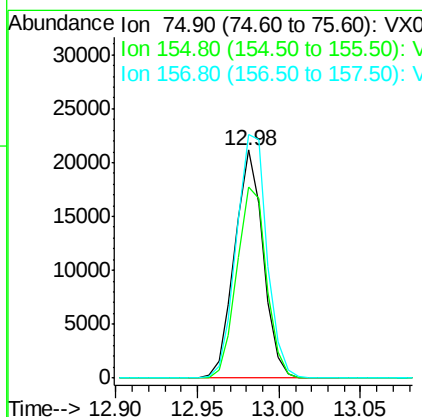
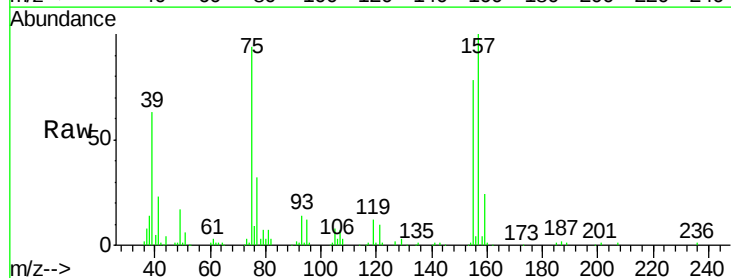
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

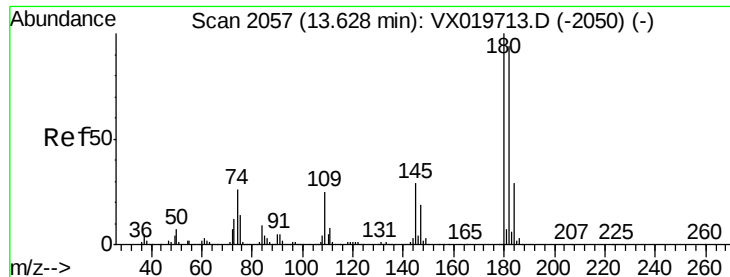
Tgt Ion: 146 Resp: 169811
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.8 62.2
 148 62.9 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.916 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

Tgt Ion: 75 Resp: 25773
 Ion Ratio Lower Upper
 75 100
 155 87.0 45.3 135.9
 157 114.6 57.7 173.1

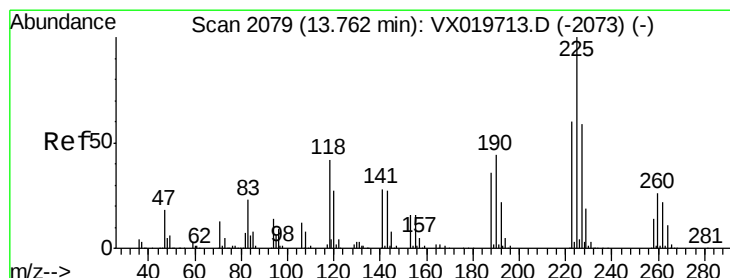
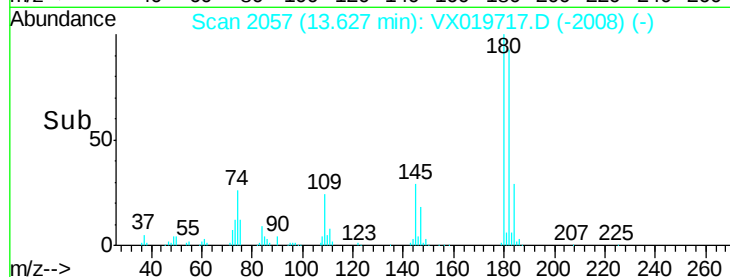
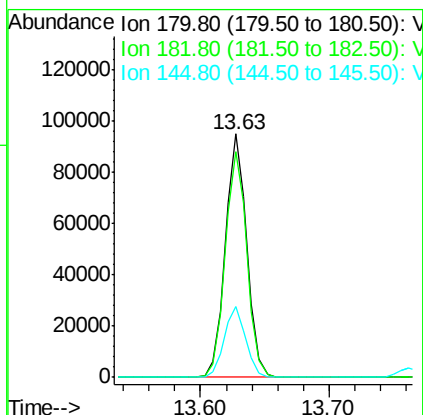
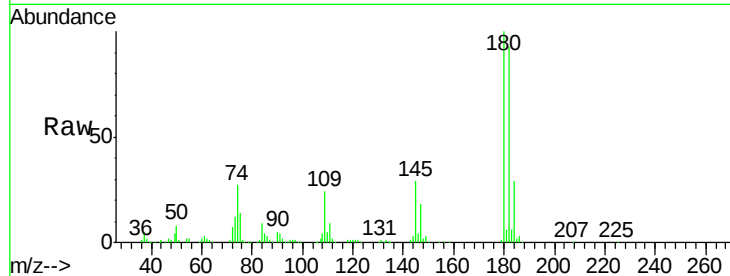




#93
 1,2,4-Trichlorobenzene
 Concen: 21.048 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

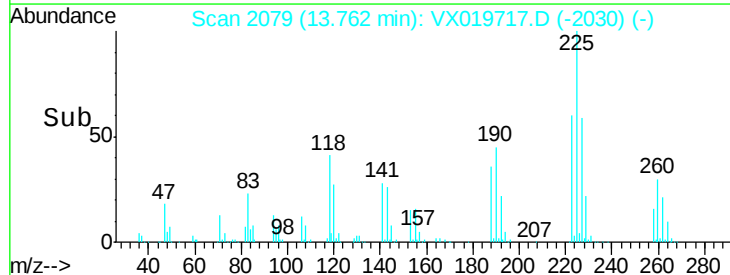
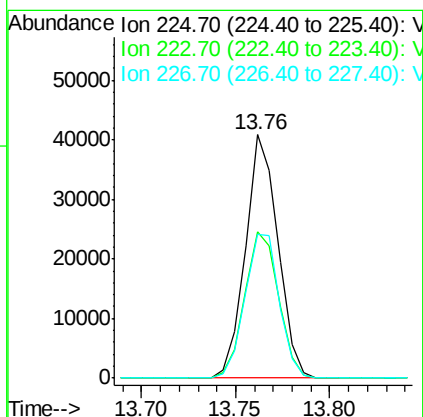
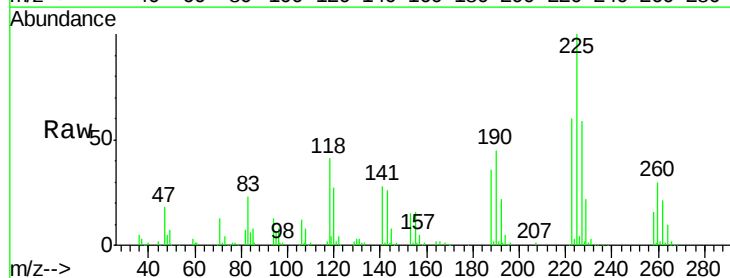
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

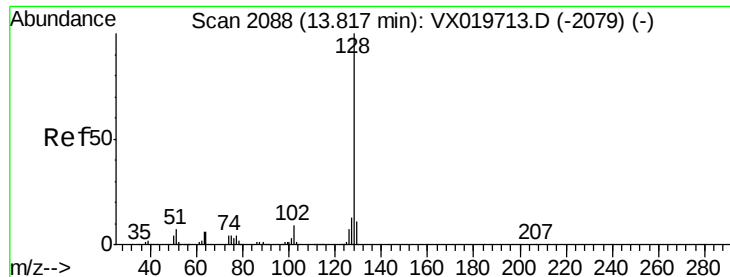
Tgt Ion:180 Resp: 111484
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.7 143.1
 145 29.3 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 20.569 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VX019717.D
 Acq: 04 Dec 2020 15:10

Tgt Ion:225 Resp: 48741
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.2
 227 63.0 31.6 95.0

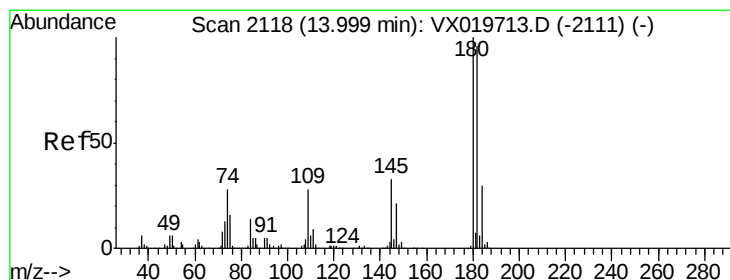
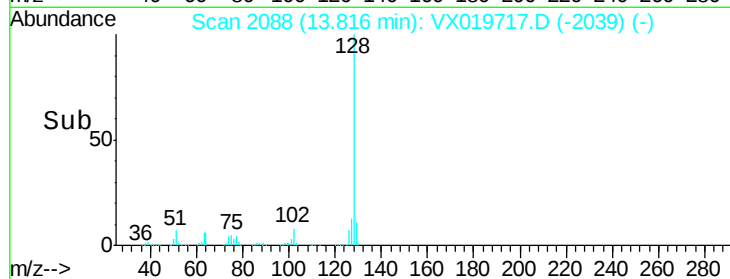
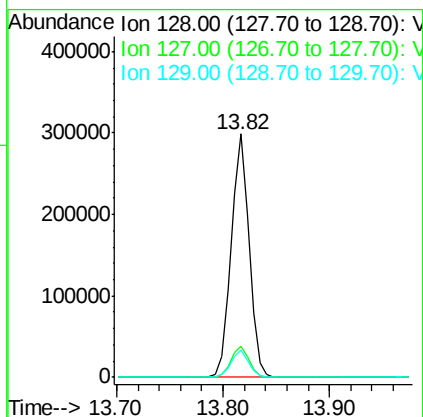
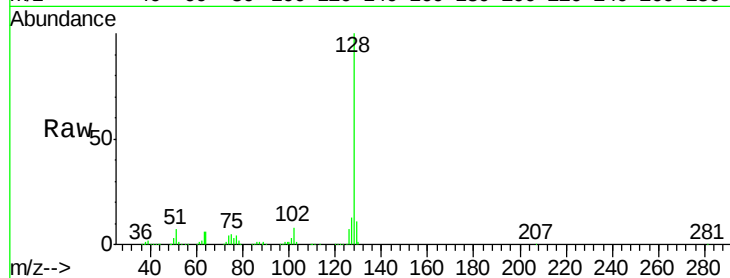




#95
Naphthalene
Concen: 20.489 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 353899
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.740 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019717.D
Acq: 04 Dec 2020 15:10

Tgt Ion:180 Resp: 107690
Ion Ratio Lower Upper
180 100
182 94.9 47.6 142.9
145 32.3 16.1 48.3

