

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102120\NOT REVIEWED DATA\
 Data File : VX019008.D
 Acq On : 21 Oct 2020 18:45
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 03 12:05:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	241277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	403243	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	377862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	193716	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	54768	18.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.90%	
35) Dibromofluoromethane	5.46	113	47441	18.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.16%	
50) Toluene-d8	8.70	98	179248	18.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.80%	
62) 4-Bromofluorobenzene	11.12	95	64624	18.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	48299	20.097	ug/l	100
3) Chloromethane	1.31	50	46171	19.322	ug/l	99
4) Vinyl Chloride	1.39	62	54850	19.453	ug/l	99
5) Bromomethane	1.64	94	62730	21.208	ug/l	97
6) Chloroethane	1.71	64	37322	17.309	ug/l	96
7) Trichlorofluoromethane	1.92	101	91422	19.187	ug/l	99
8) Diethyl Ether	2.17	74	34498	18.491	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	42333	18.754	ug/l	100
10) Methyl Iodide	2.49	142	48152	18.454	ug/l	97
11) Tert butyl alcohol	3.03	59	57000	97.379	ug/l	99
12) 1,1-Dichloroethene	2.35	96	44010	18.740	ug/l	99
13) Acrolein	2.28	56	19330	96.427	ug/l	100
14) Allyl chloride	2.71	41	58312	19.194	ug/l	97
15) Acrylonitrile	3.12	53	108081	95.486	ug/l	99
16) Acetone	2.43	43	94192	95.684	ug/l	96
17) Carbon Disulfide	2.55	76	123146	18.182	ug/l	99
18) Methyl Acetate	2.75	43	47619	19.494	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	140324	18.863	ug/l	98
20) Methylene Chloride	2.84	84	51249	18.700	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	51300	18.721	ug/l	99
22) Diisopropyl ether	3.82	45	113768	18.991	ug/l	98
23) Vinyl Acetate	3.78	43	544340	95.692	ug/l	100
24) 1,1-Dichloroethane	3.67	63	83614	19.165	ug/l	98
25) 2-Butanone	4.64	43	151809	97.599	ug/l	99
26) 2,2-Dichloropropane	4.55	77	76126	18.898	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	58330	18.756	ug/l	99
28) Bromochloromethane	4.98	49	34928	18.854	ug/l	98
29) Tetrahydrofuran	5.09	42	87101	93.689	ug/l	98
30) Chloroform	5.18	83	90222	19.048	ug/l	93
31) Cyclohexane	5.55	56	63949	18.895	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	81692	19.016	ug/l	100
36) 1,1-Dichloropropene	5.77	75	67426	18.635	ug/l	99
37) Ethyl Acetate	4.79	43	59477	19.259	ug/l	99
38) Carbon Tetrachloride	5.76	117	69592	18.324	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	75190	18.548	ug/l	94
40) Benzene	6.12	78	200376	18.804	ug/l	99
41) Methacrylonitrile	5.01	41	30748	18.535	ug/l	99
42) 1,2-Dichloroethane	6.16	62	69177	19.022	ug/l	99
43) Isopropyl Acetate	6.42	43	99239	18.974	ug/l	100
44) Trichloroethene	7.19	130	57170	18.396	ug/l	99
45) 1,2-Dichloropropane	7.49	63	48770	19.080	ug/l	99
46) Dibromomethane	7.63	93	35984	18.483	ug/l	99
47) Bromodichloromethane	7.88	83	71359	18.694	ug/l	99
48) Methyl methacrylate	7.74	41	47054	18.258	ug/l	99
49) 1,4-Dioxane	7.73	88	22552	387.303	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	302372	98.109	ug/l	99
52) Toluene	8.76	92	134506	19.110	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	80541	18.684	ug/l	98
54) cis-1,3-Dichloropropene	8.41	75	85552	18.794	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	54446	18.976	ug/l	99
56) Ethyl methacrylate	9.16	69	77215	18.705	ug/l	98
57) 1,3-Dichloropropane	9.35	76	87242	19.156	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	204823	94.455	ug/l	98
59) 2-Hexanone	9.47	43	232690	101.313	ug/l	99
60) Dibromochloromethane	9.57	129	58084	18.573	ug/l	99
61) 1,2-Dibromoethane	9.65	107	57402	18.698	ug/l	99
64) Tetrachloroethene	9.32	164	52875	18.379	ug/l	91
65) Chlorobenzene	10.12	112	145902	18.408	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	51735	18.359	ug/l	98
67) Ethyl Benzene	10.24	91	255289	18.686	ug/l	99
68) m/p-Xylenes	10.34	106	194845	37.230	ug/l	98
69) o-Xylene	10.68	106	92980	18.563	ug/l	99
70) Styrene	10.69	104	159188	18.719	ug/l	99
71) Bromoform	10.84	173	41816	18.382	ug/l #	100
73) Isopropylbenzene	11.00	105	254744	18.280	ug/l	99
74) N-amyl acetate	10.88	43	82730	18.529	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	80086	19.076	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	94524	24.413	ug/l	85
77) Bromobenzene	11.24	156	64134	18.223	ug/l	98
78) n-propylbenzene	11.34	91	284641	18.026	ug/l	99
79) 2-Chlorotoluene	11.40	91	167218	18.152	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	209558	18.210	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	26963	17.742	ug/l	99
82) 4-Chlorotoluene	11.49	91	198006	18.064	ug/l	100
83) tert-Butylbenzene	11.76	119	206298	18.198	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	211719	18.373	ug/l	100
85) sec-Butylbenzene	11.93	105	249909	18.217	ug/l	99
86) p-Isopropyltoluene	12.05	119	227189	18.125	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	116280	18.011	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	119142	17.983	ug/l	99
89) n-Butylbenzene	12.37	91	207276	18.066	ug/l	99
90) Hexachloroethane	12.58	117	35166	18.326	ug/l	97
91) 1,2-Dichlorobenzene	12.37	146	108265	17.986	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	17308	18.106	ug/l	99

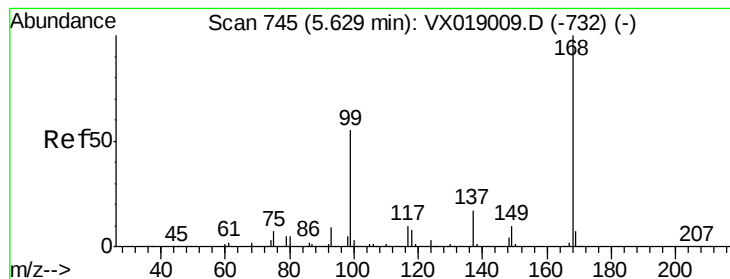
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	71801	16.304	ug/l	93
94) Hexachlorobutadiene	13.76	225	34029	16.667	ug/l	97
95) Naphthalene	13.82	128	247369	17.853	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	74208	17.312	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

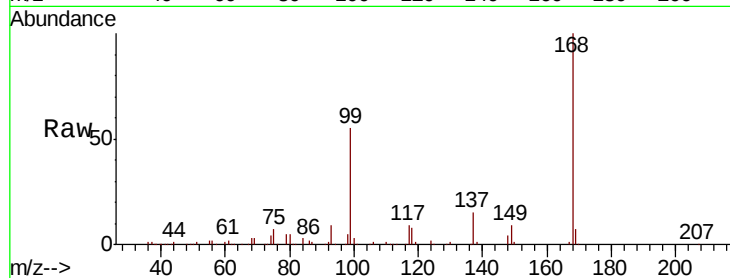
VSTDIC020

Tot Ion:168 Resp: 241277

Ion Ratio Lower Upper

168 100

99 55.2 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

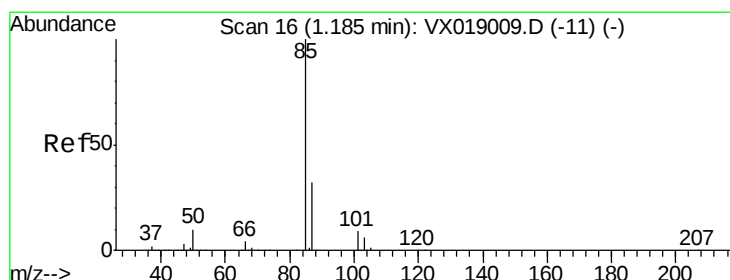
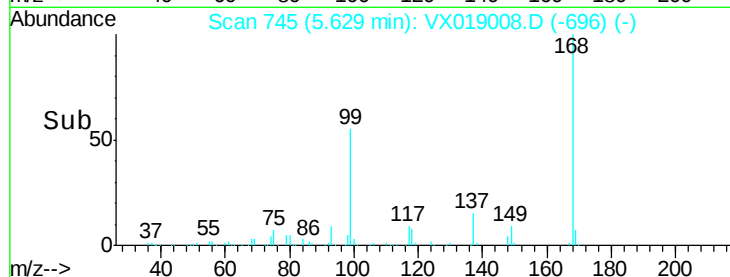
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.097 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019008.D

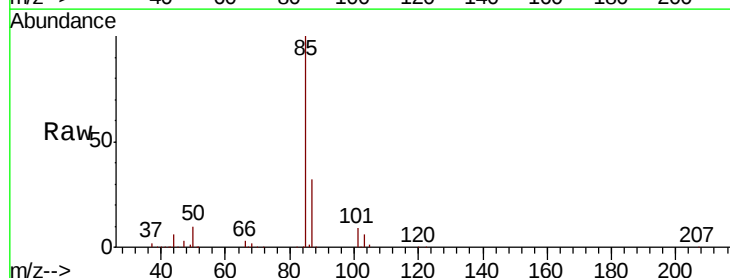
Acq: 21 Oct 2020 18:45

Tgt Ion: 85 Resp: 48299

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

60000

50000

40000

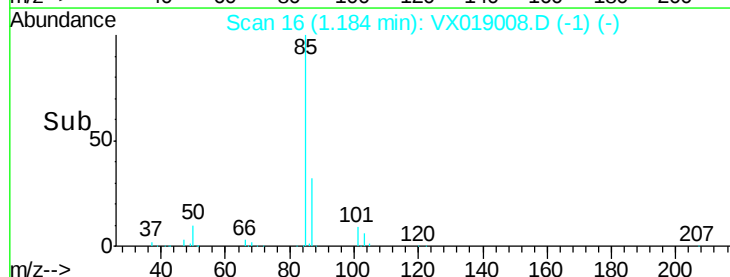
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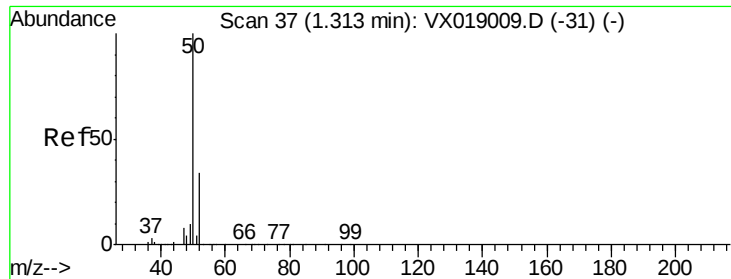
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10000

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Time-->





#3

Chloromethane

Concen: 19.322 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

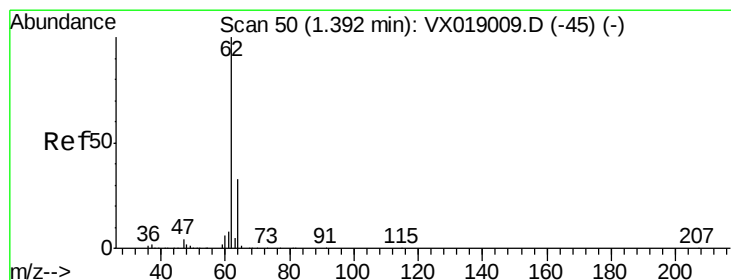
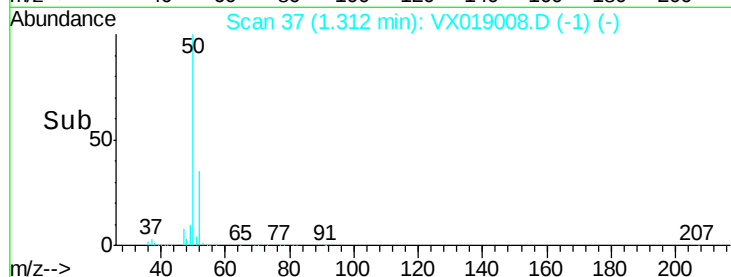
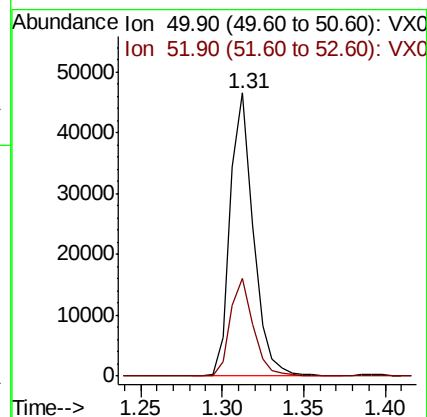
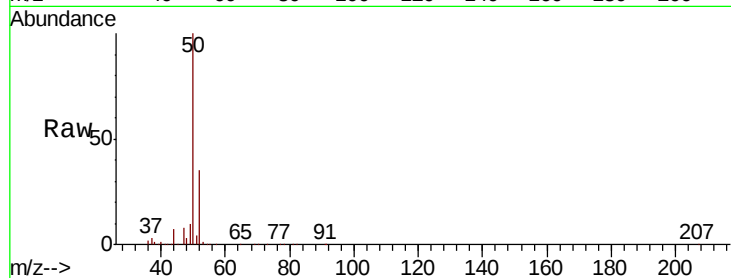
VSTDIC020

Tot Ion: 50 Resp: 46171

Ion Ratio Lower Upper

50 100

52 34.5 27.0 40.6



#4

Vinyl Chloride

Concen: 19.453 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019008.D

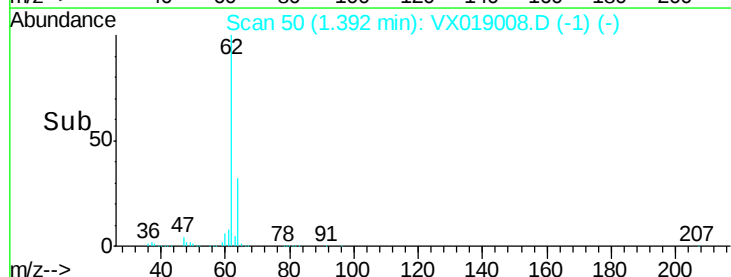
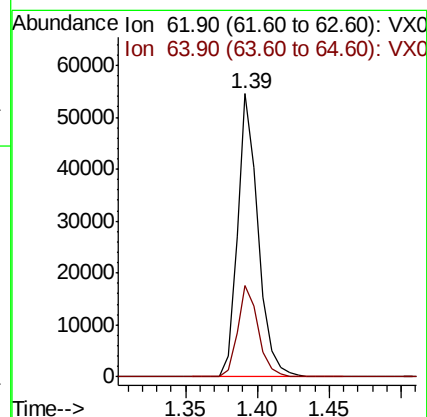
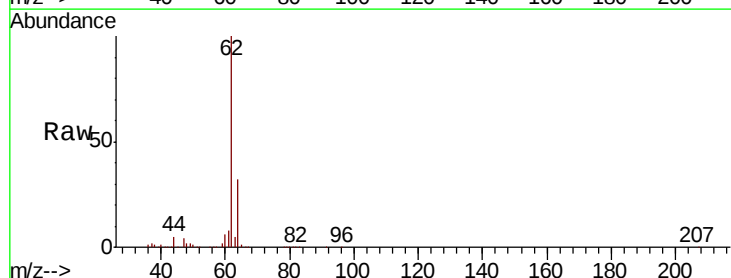
Acq: 21 Oct 2020 18:45

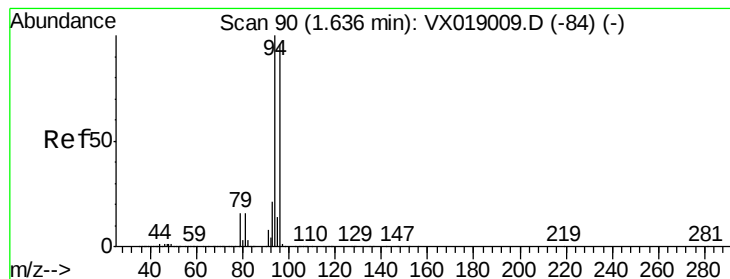
Tgt Ion: 62 Resp: 54850

Ion Ratio Lower Upper

62 100

64 32.4 26.5 39.7





#5

Bromomethane

Concen: 21.208 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

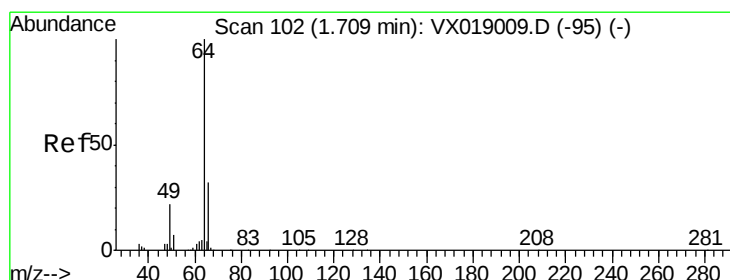
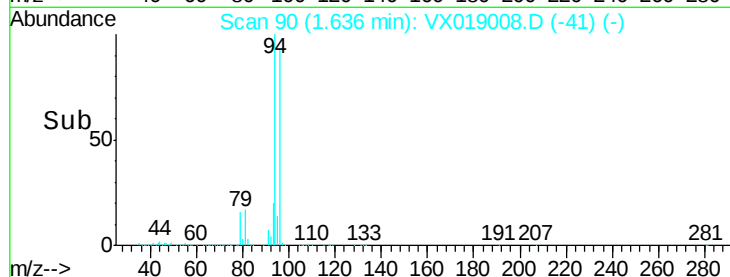
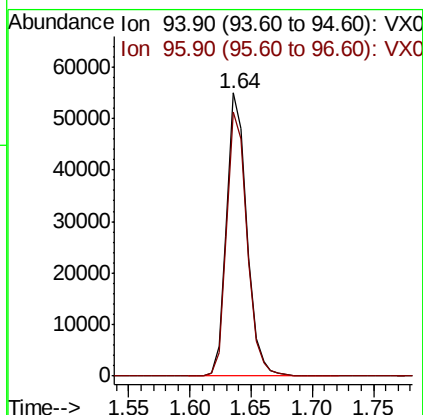
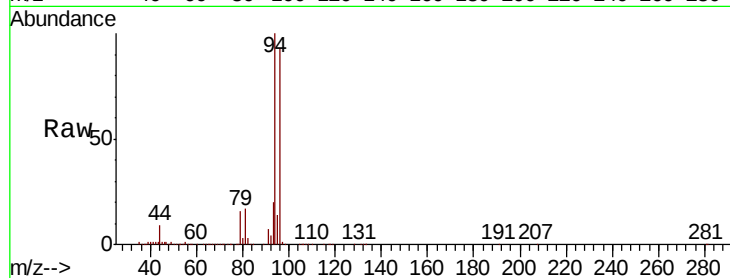
VSTDIC020

Tot Ion: 94 Resp: 62730

Ion Ratio Lower Upper

94 100

96 93.2 77.1 115.7



#6

Chloroethane

Concen: 17.309 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019008.D

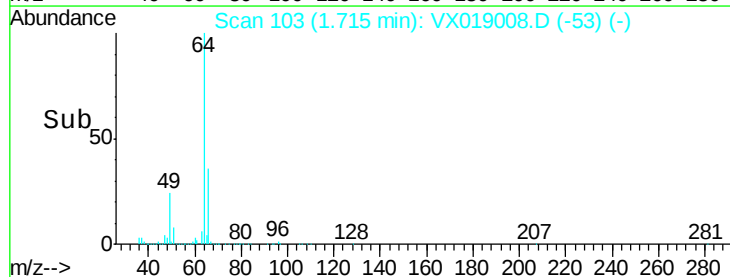
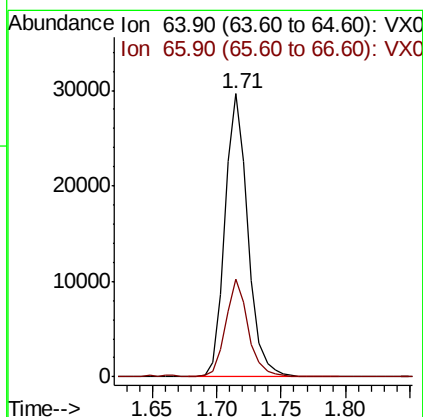
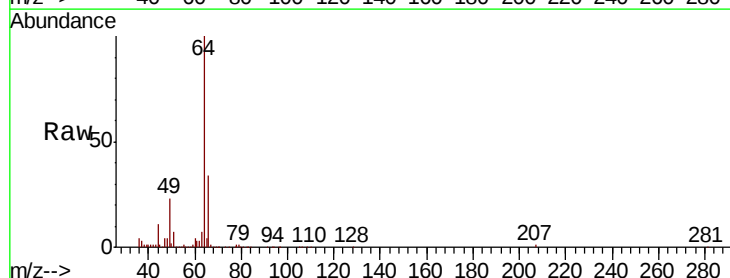
Acq: 21 Oct 2020 18:45

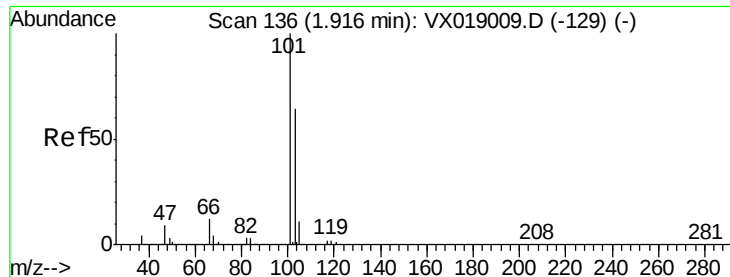
Tgt Ion: 64 Resp: 37322

Ion Ratio Lower Upper

64 100

66 34.4 25.7 38.5



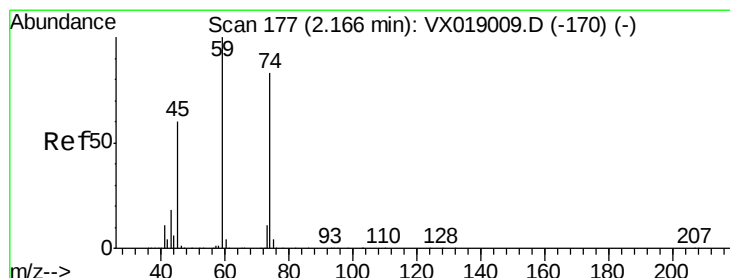
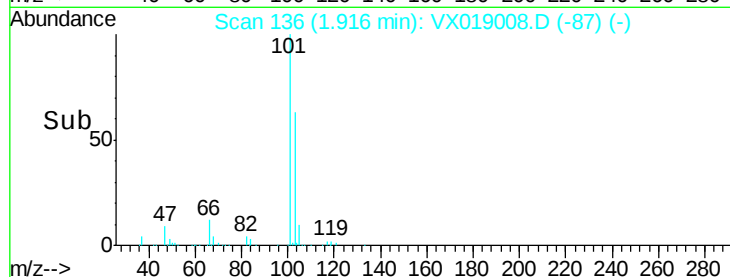
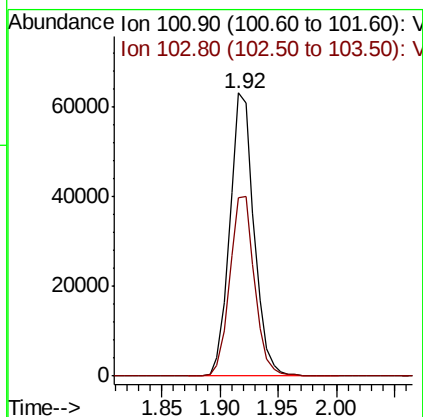
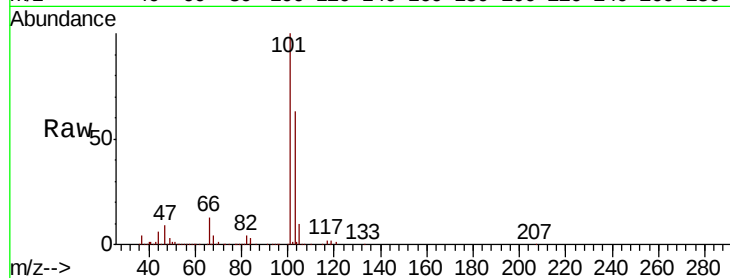


#7

Trichlorofluoromethane
Concen: 19.187 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Instrument :
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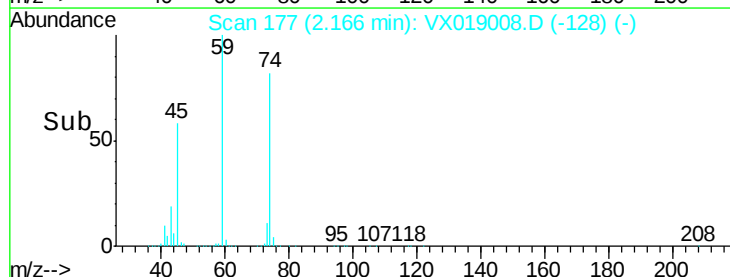
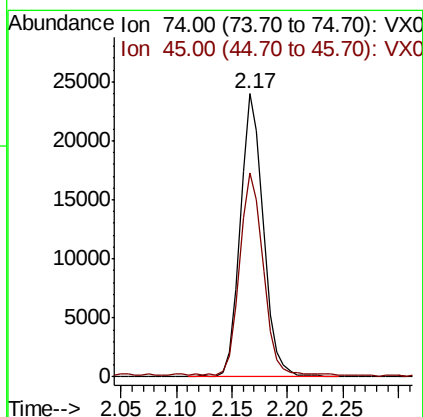
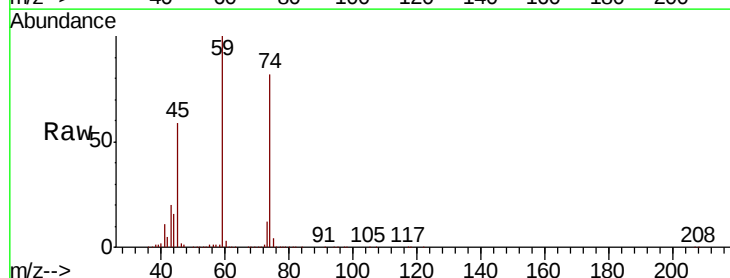
Tot Ion:101 Resp: 91422
Ion Ratio Lower Upper
101 100
103 63.1 51.2 76.8

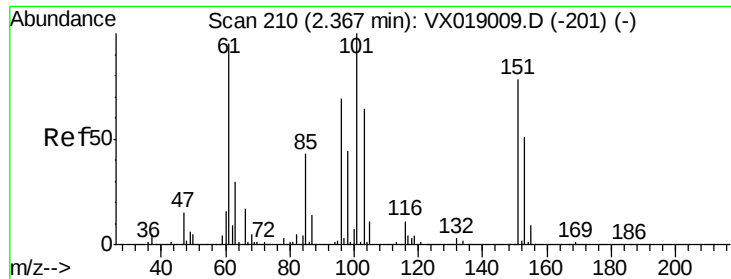


#8

Diethyl Ether
Concen: 18.491 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Tgt Ion: 74 Resp: 34498
Ion Ratio Lower Upper
74 100
45 74.5 36.8 110.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.754 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

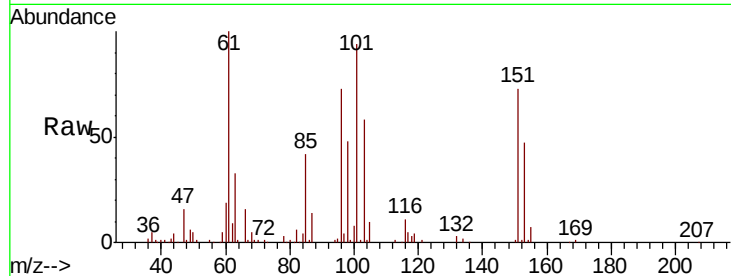
Tot Ion:101 Resp: 42333

Ion Ratio Lower Upper

101 100

85 44.7 35.2 52.8

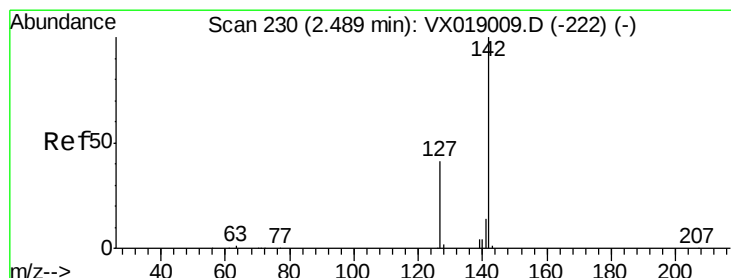
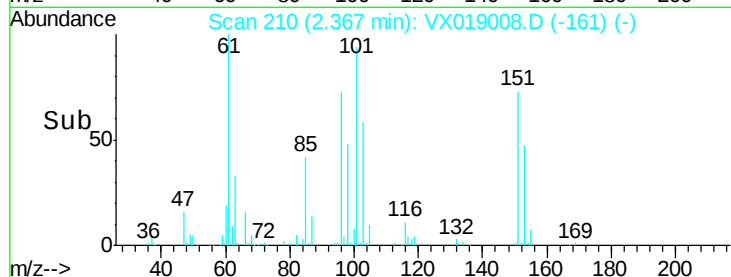
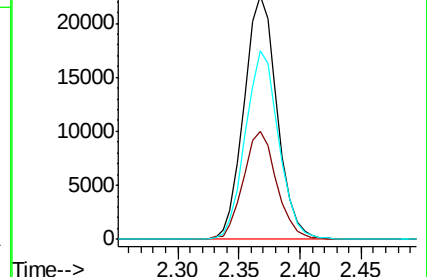
151 78.0 62.4 93.6



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: 18.454 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

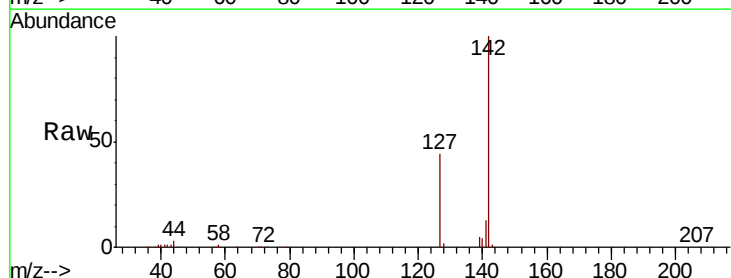
Tgt Ion:142 Resp: 48152

Ion Ratio Lower Upper

142 100

127 44.1 33.6 50.4

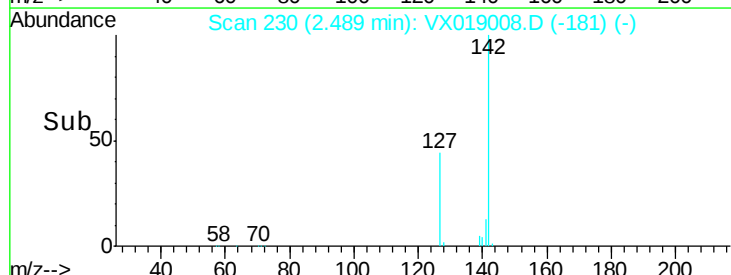
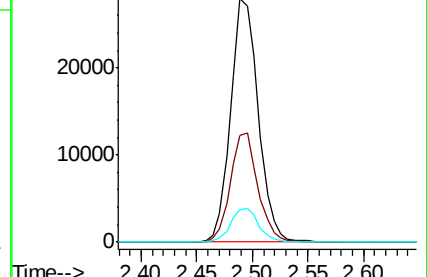
141 13.9 11.2 16.8

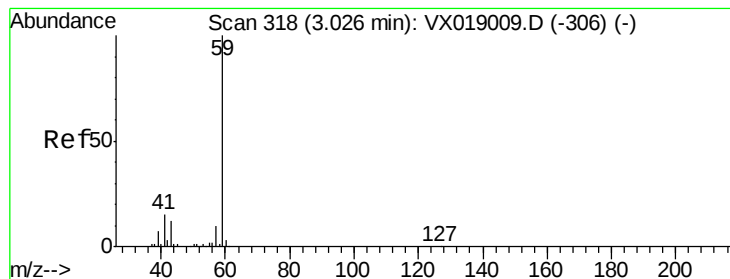


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



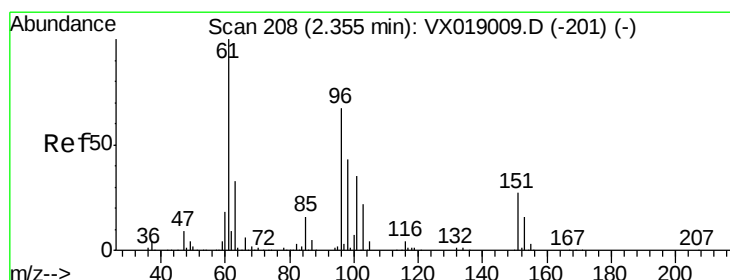
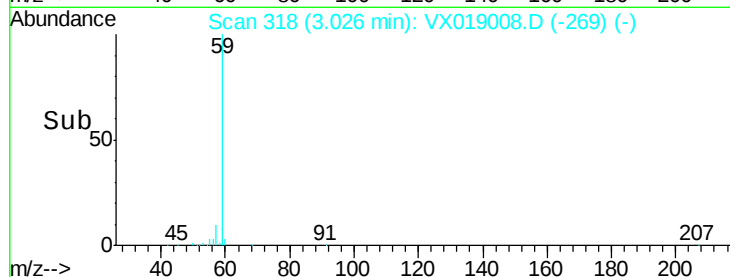
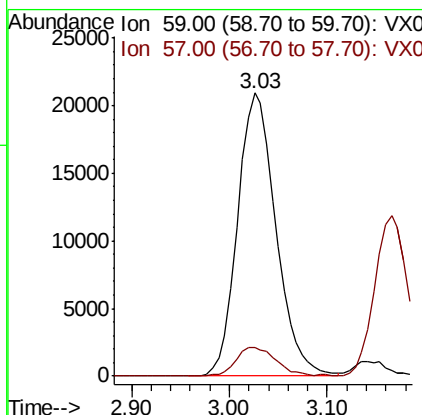
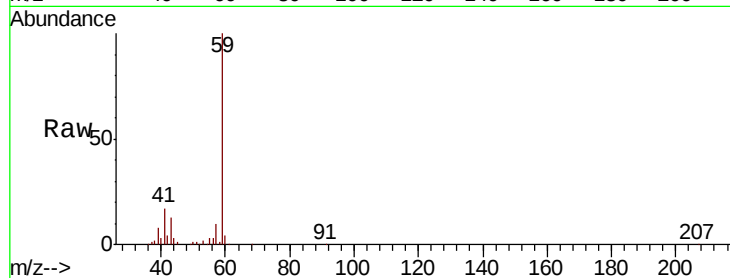


#11

Tert butyl alcohol
 Concen: 97.379 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

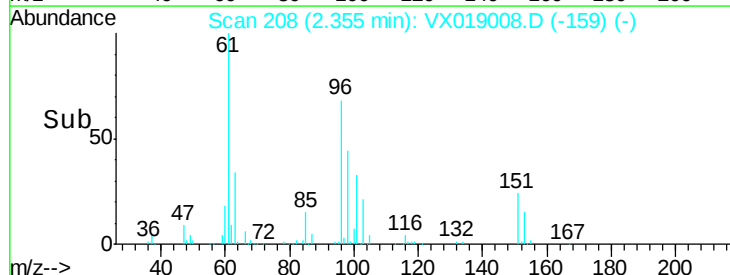
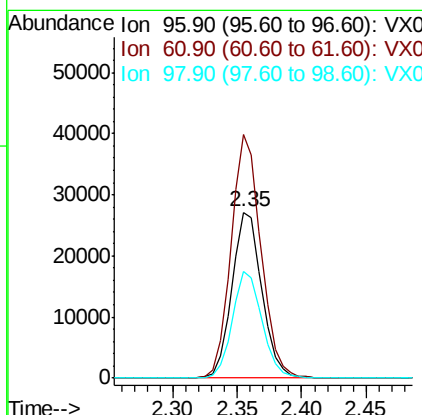
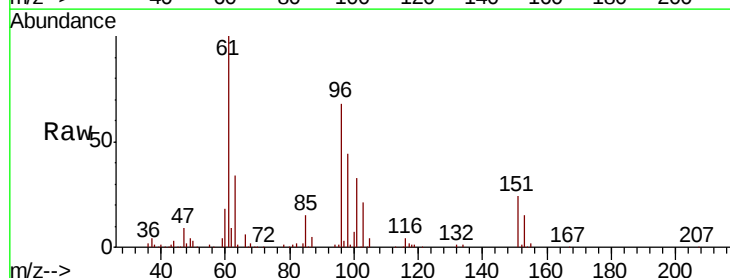
Tot Ion: 59 Resp: 57000
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.2 12.2

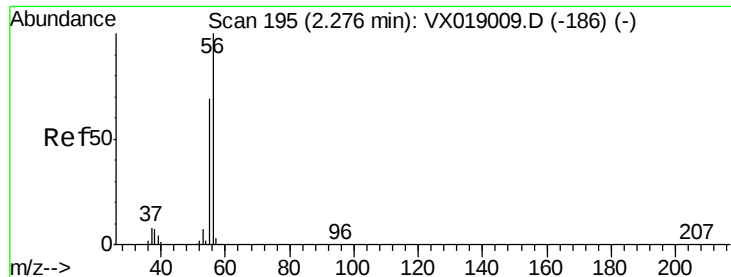


#12

1,1-Dichloroethene
 Concen: 18.740 ug/l
 RT: 2.35 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Tgt Ion: 96 Resp: 44010
 Ion Ratio Lower Upper
 96 100
 61 146.8 119.0 178.6
 98 64.0 51.0 76.4





#13

Acrolein

Concen: 96.427 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

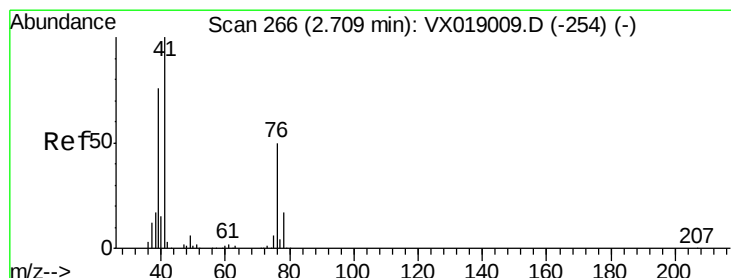
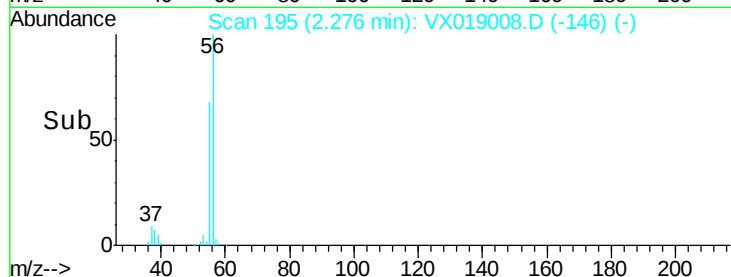
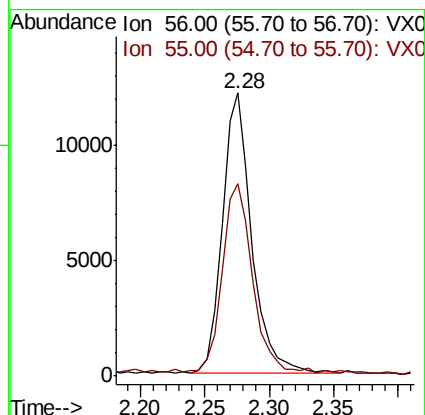
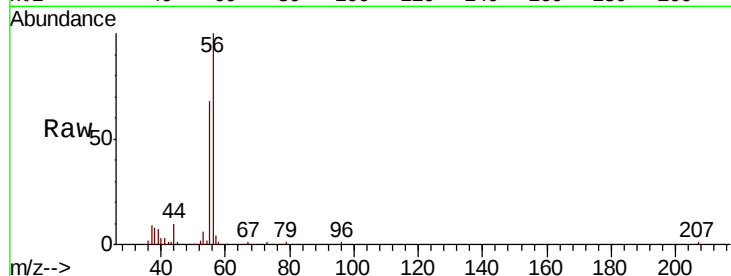
VSTDIC020

Tot Ion: 56 Resp: 19330

Ion Ratio Lower Upper

56 100

55 67.7 54.2 81.4



#14

Allyl chloride

Concen: 19.194 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

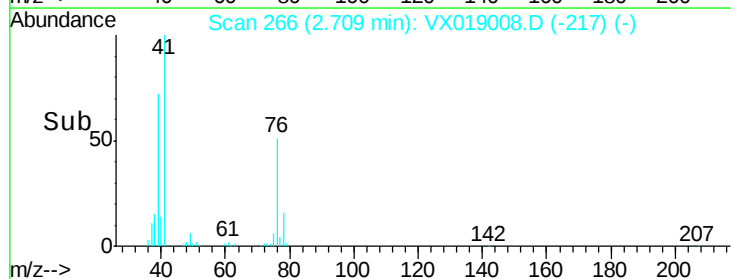
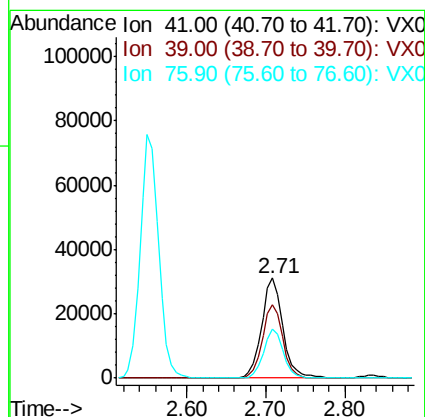
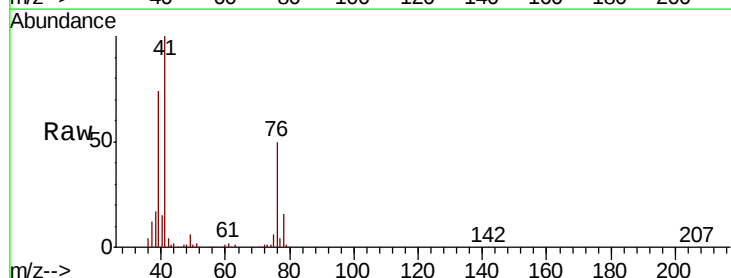
Tgt Ion: 41 Resp: 58312

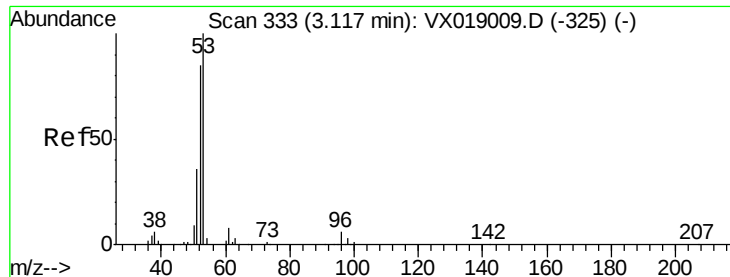
Ion Ratio Lower Upper

41 100

39 69.3 57.4 86.0

76 44.9 37.7 56.5





#15

Acrylonitrile

Concen: 95.486 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

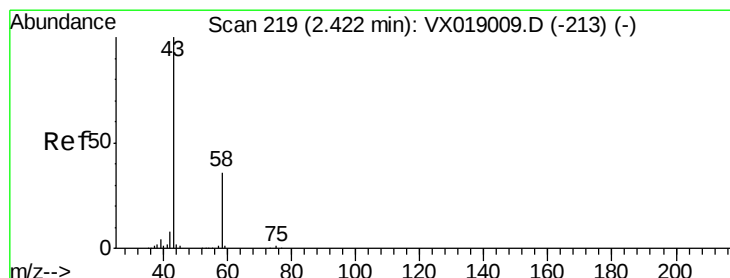
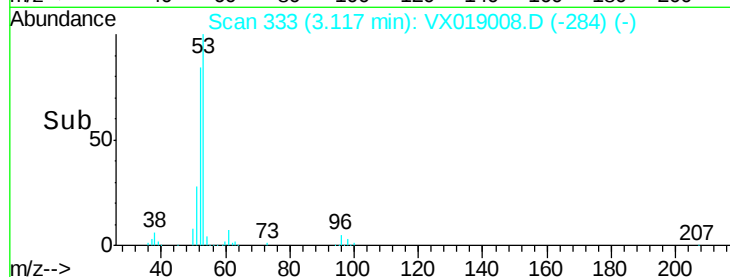
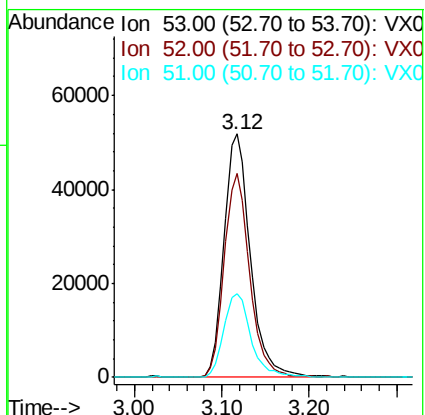
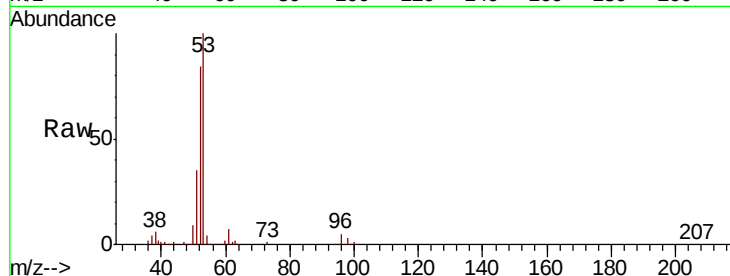
Tot Ion: 53 Resp: 108081

Ion Ratio Lower Upper

53 100

52 81.9 65.9 98.9

51 35.9 28.3 42.5



#16

Acetone

Concen: 95.684 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019008.D

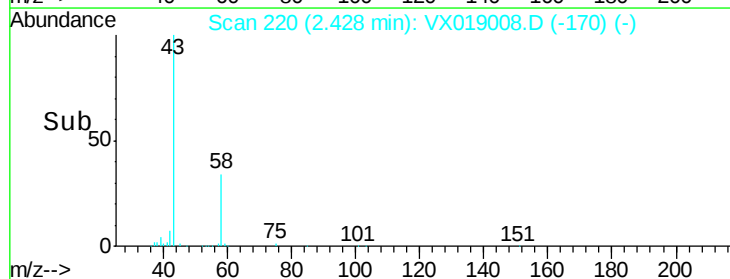
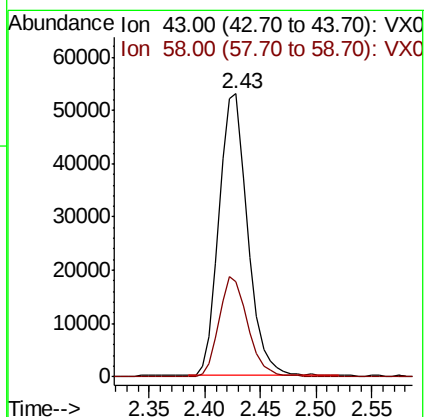
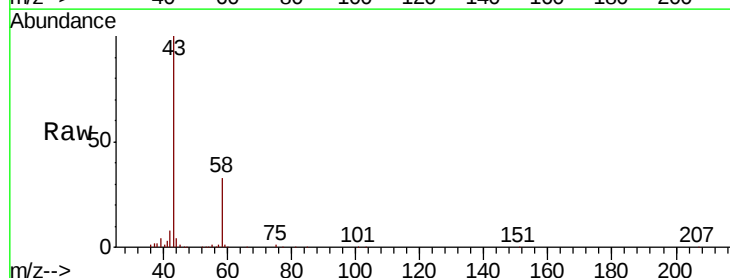
Acq: 21 Oct 2020 18:45

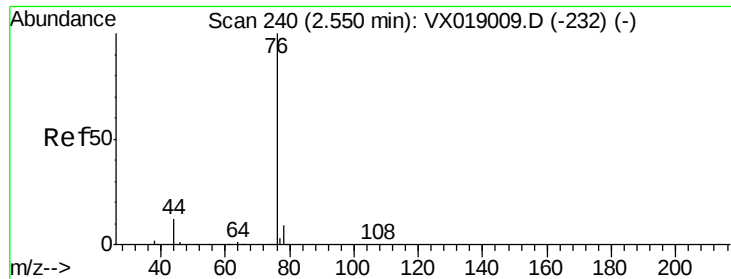
Tgt Ion: 43 Resp: 94192

Ion Ratio Lower Upper

43 100

58 33.3 28.6 42.8

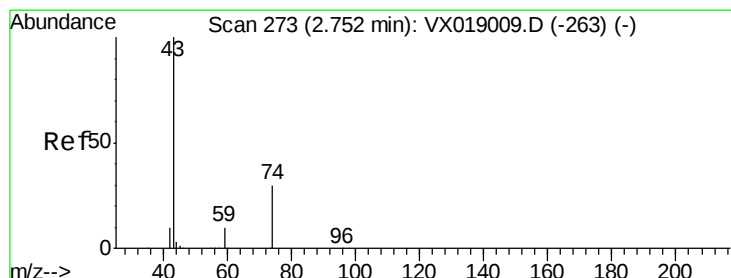
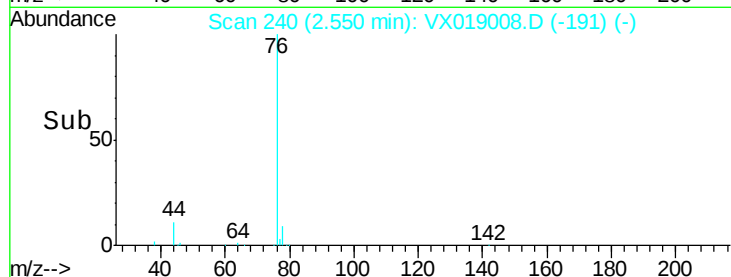
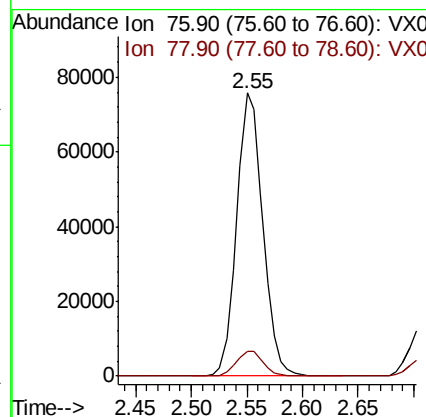
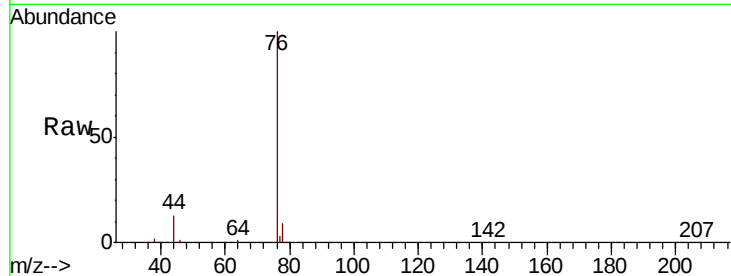




#17
Carbon Disulfide
Concen: 18.182 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

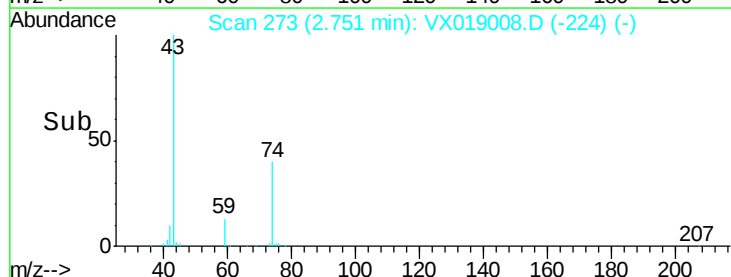
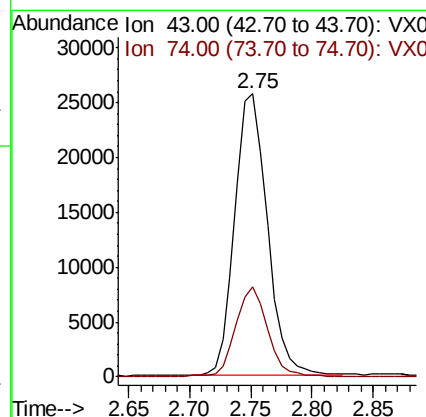
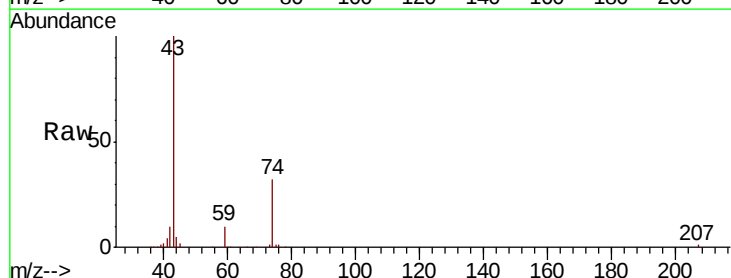
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

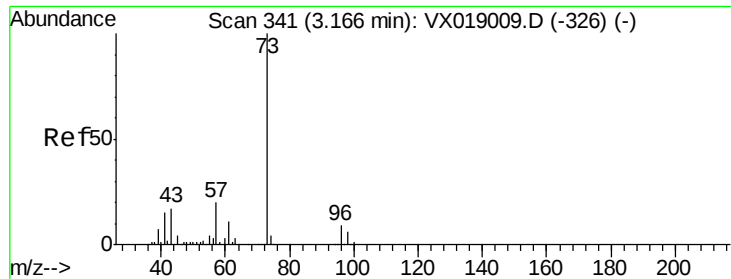
Tot Ion: 76 Resp: 123146
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#18
Methyl Acetate
Concen: 19.494 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Tgt Ion: 43 Resp: 47619
Ion Ratio Lower Upper
43 100
74 31.4 24.9 37.3



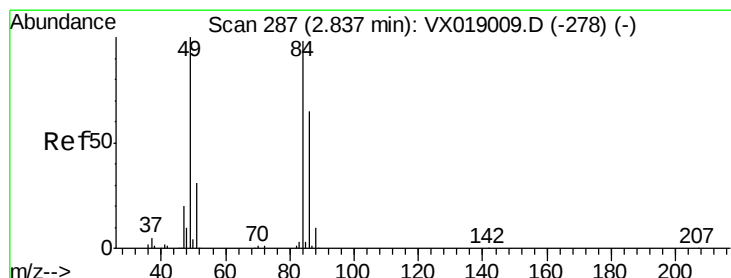
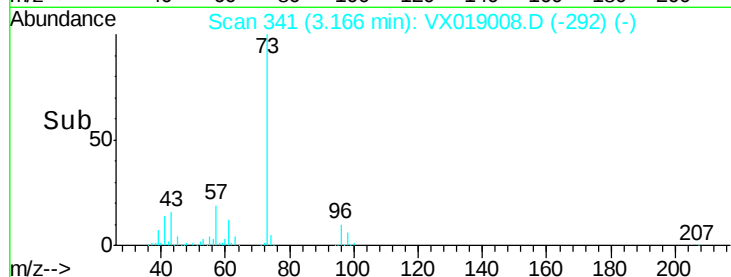
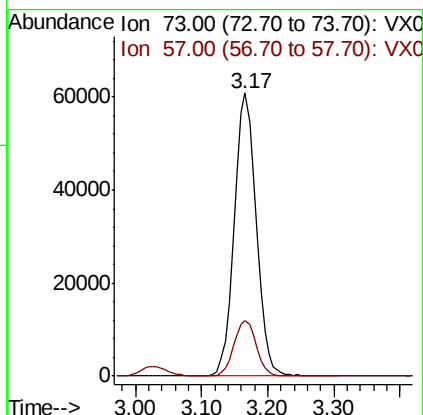
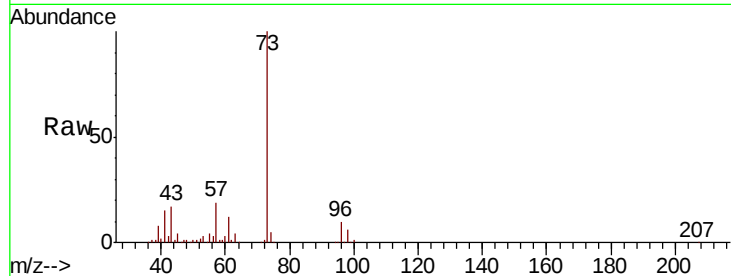


#19

Methyl tert-butyl Ether
 Concen: 18.863 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

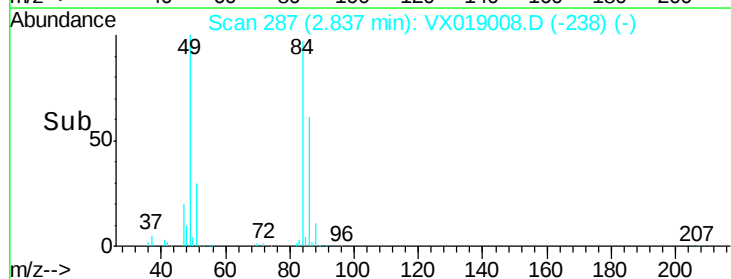
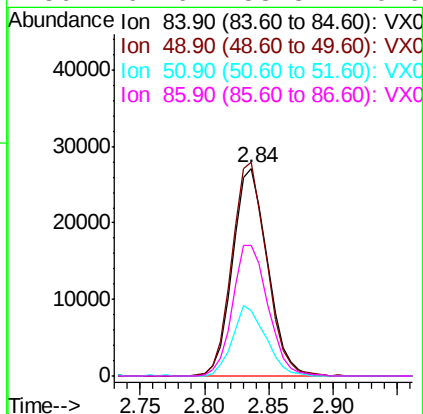
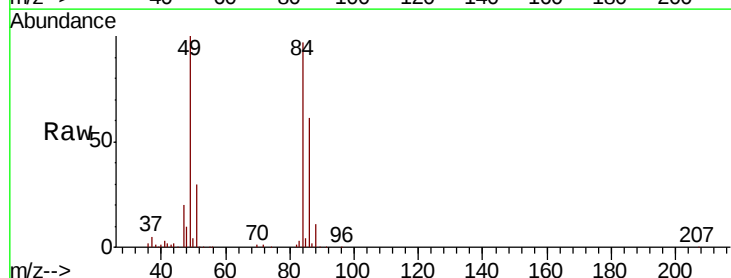
Tot Ion: 73 Resp: 140324
 Ion Ratio Lower Upper
 73 100
 57 19.5 16.2 24.2

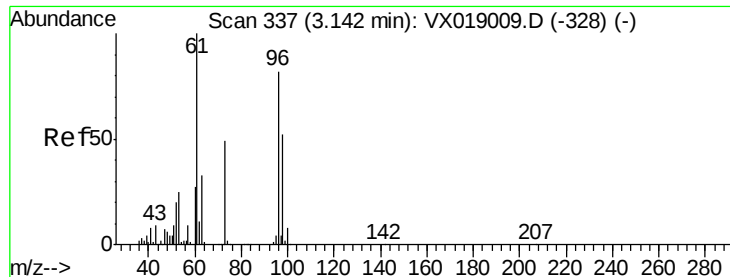


#20

Methylene Chloride
 Concen: 18.700 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Tgt Ion: 84 Resp: 51249
 Ion Ratio Lower Upper
 84 100
 49 102.7 81.6 122.4
 51 31.1 25.6 38.4
 86 62.6 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 18.721 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

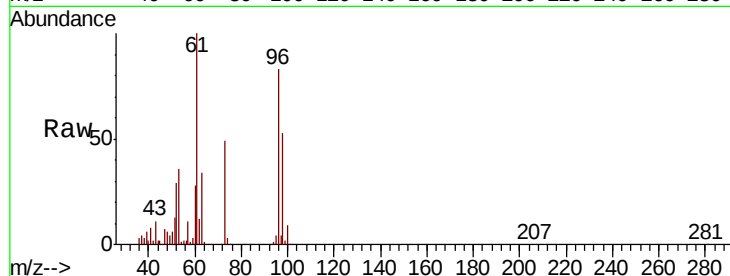
Tot Ion: 96 Resp: 51300

Ion Ratio Lower Upper

96 100

61 121.0 97.8 146.6

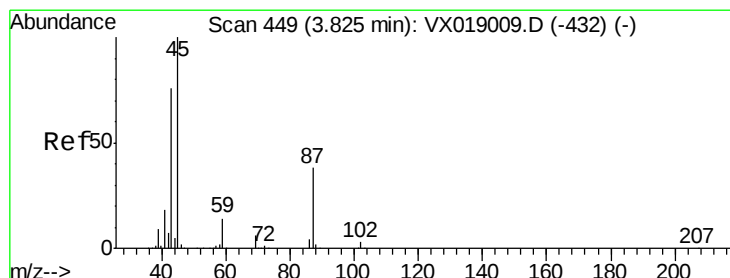
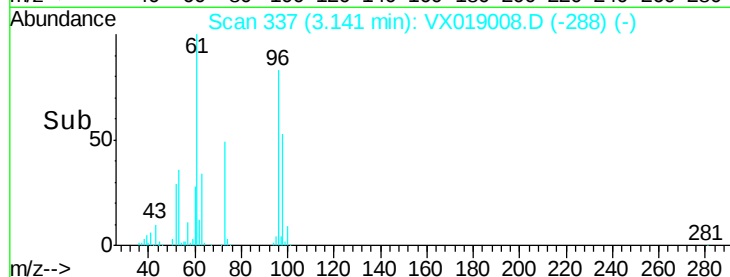
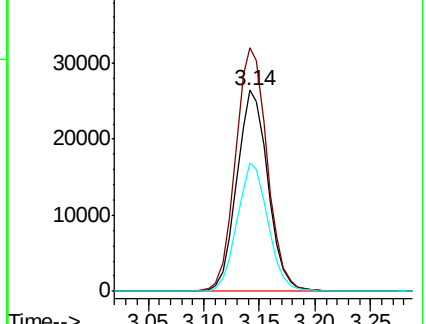
98 63.7 50.7 76.1



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: 18.991 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Tgt Ion: 45 Resp: 113768

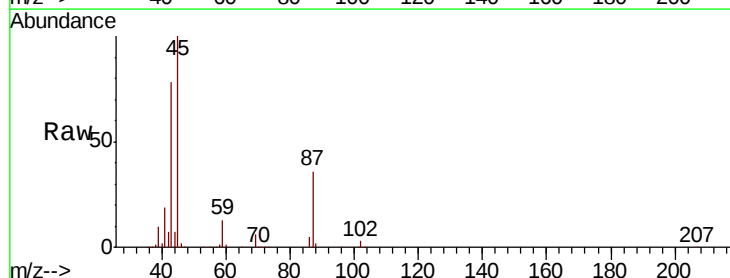
Ion Ratio Lower Upper

45 100

43 77.4 60.4 90.6

87 36.2 30.4 45.6

59 13.0 11.2 16.8

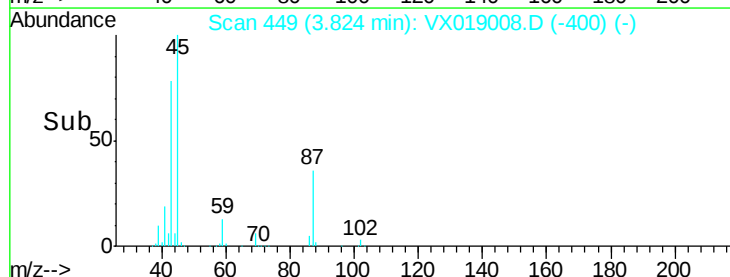
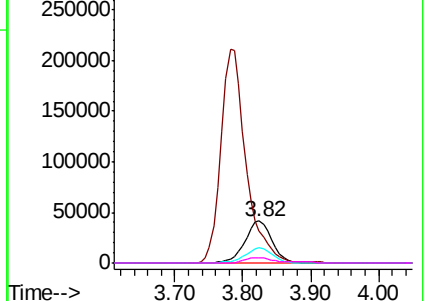


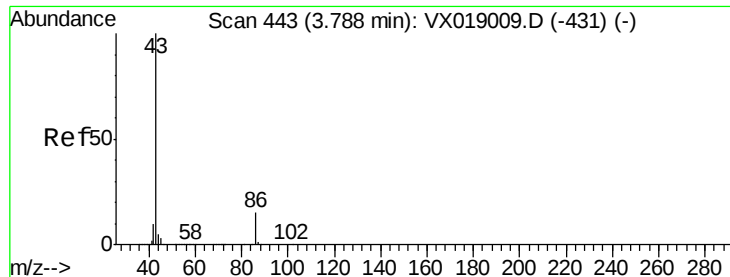
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 95.692 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

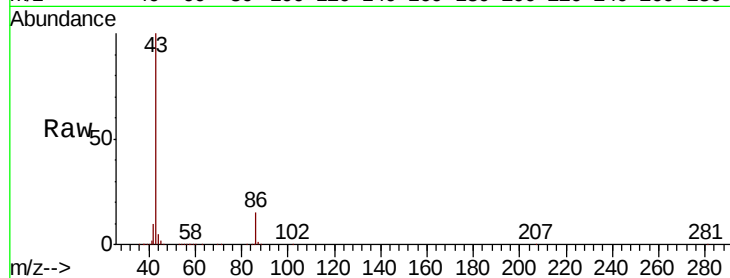
VSTDIC020

Tot Ion: 43 Resp: 544340

Ion Ratio Lower Upper

43 100

86 14.7 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

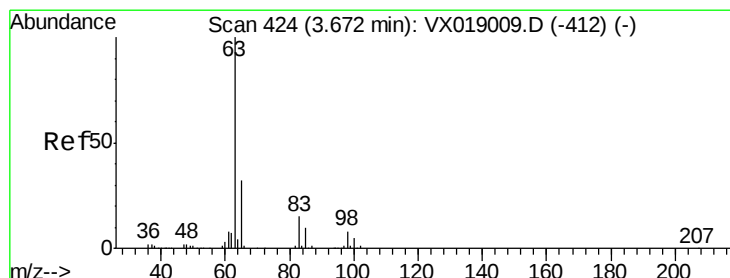
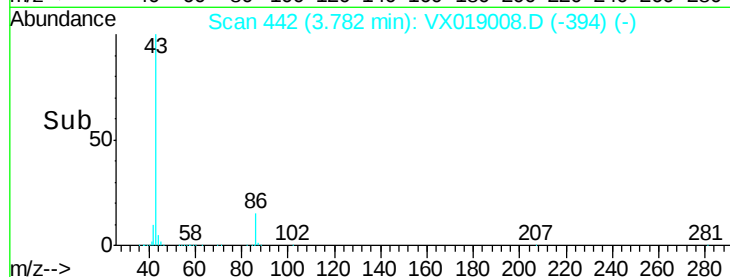
100000

50000

0

3.60 3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.165 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

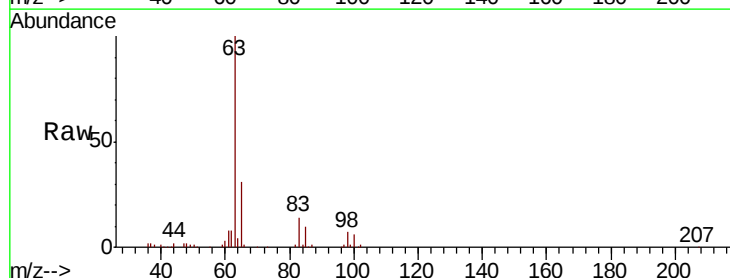
Tgt Ion: 63 Resp: 83614

Ion Ratio Lower Upper

63 100

98 7.4 4.0 12.0

100 5.5 2.5 7.4



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

50000

40000

30000

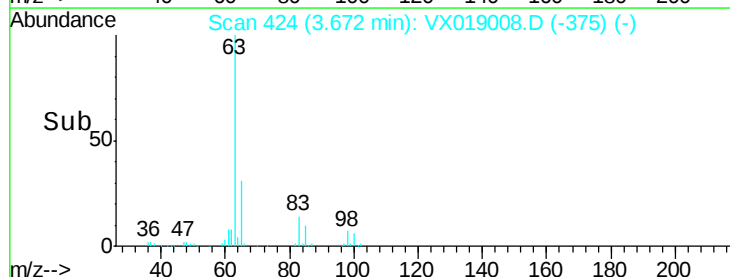
20000

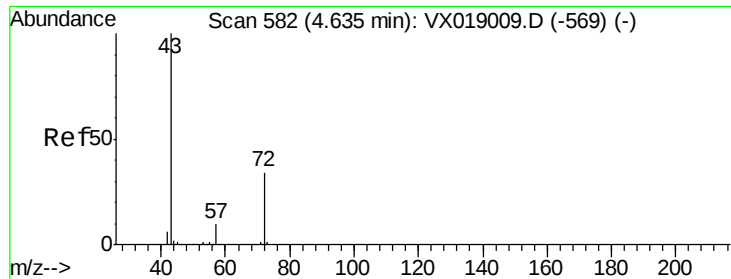
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 97.599 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampled :

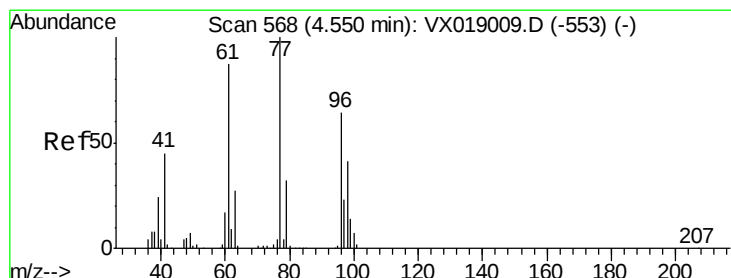
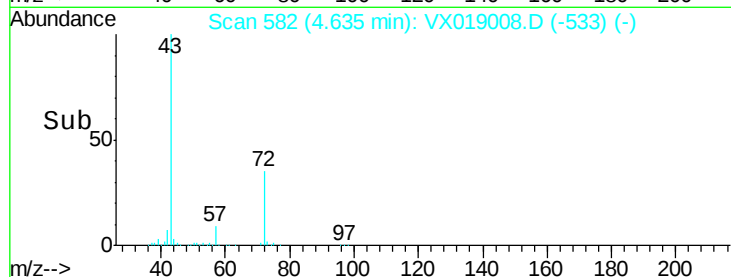
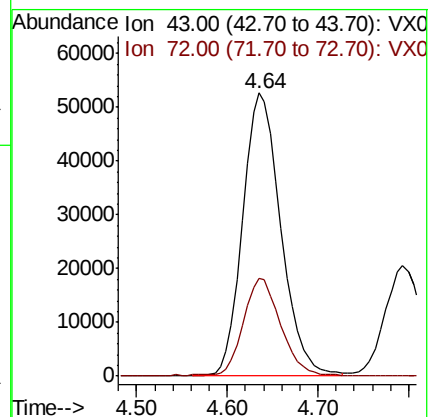
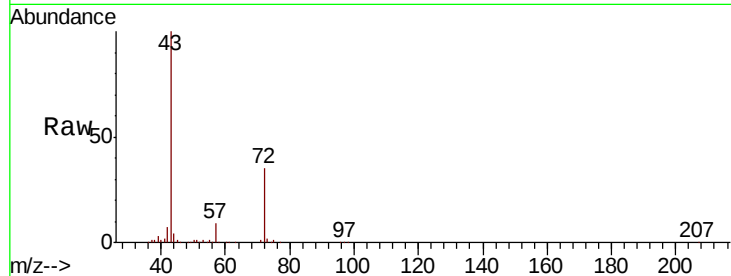
VSTDIC020

Tot Ion: 43 Resp: 151809

Ion Ratio Lower Upper

43 100

72 34.3 27.8 41.6



#26

2,2-Dichloropropane

Concen: 18.898 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX019008.D

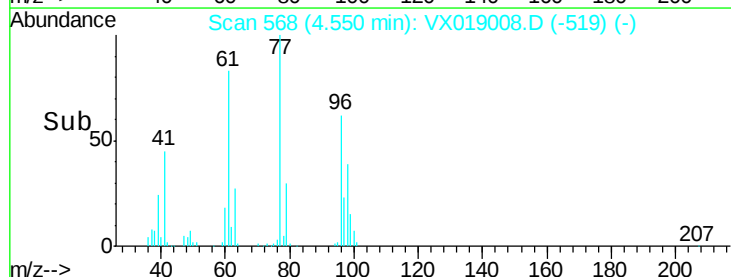
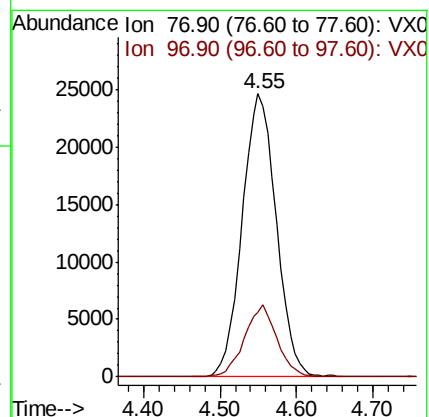
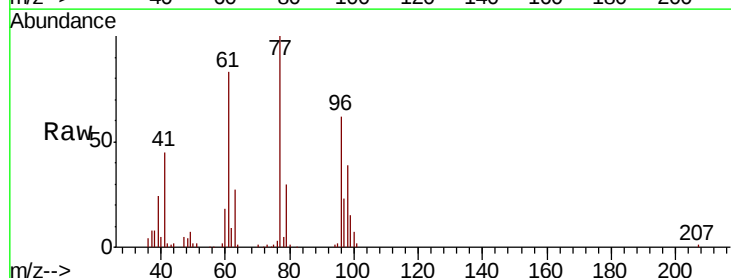
Acq: 21 Oct 2020 18:45

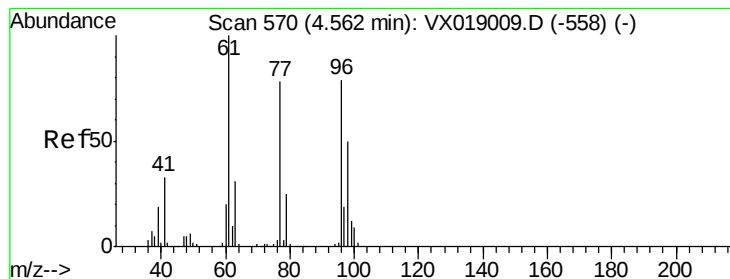
Tgt Ion: 77 Resp: 76126

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.7



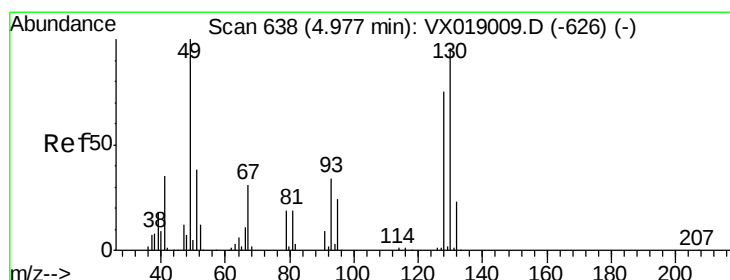
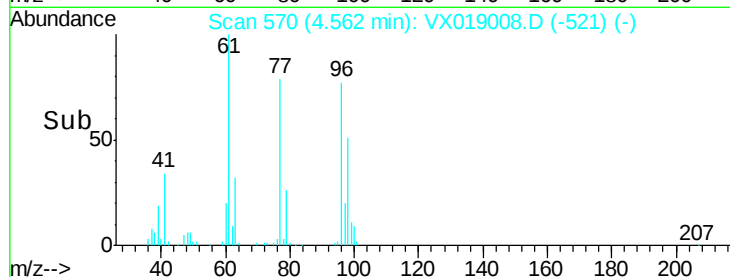
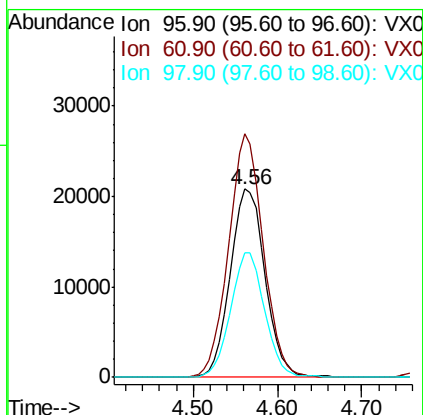
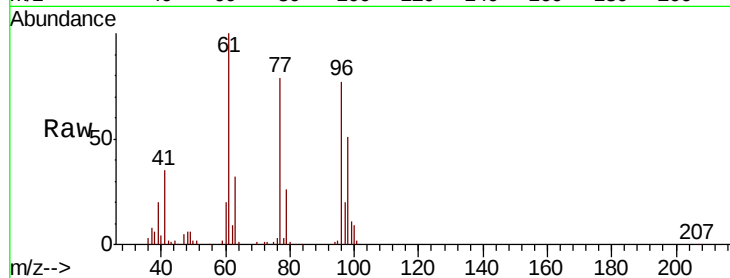


#27

cis-1,2-Dichloroethene
 Concen: 18.756 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

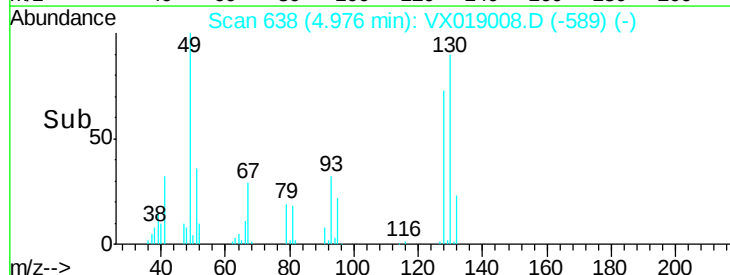
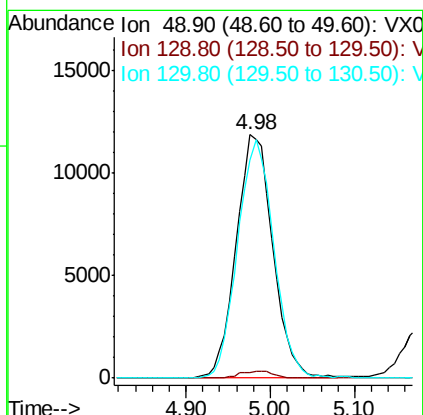
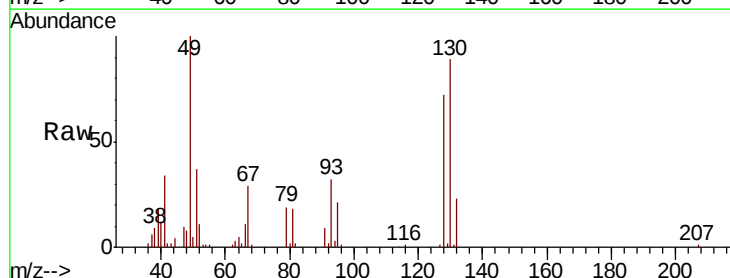
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	0.0	260.0
98	64.5	0.0	131.4

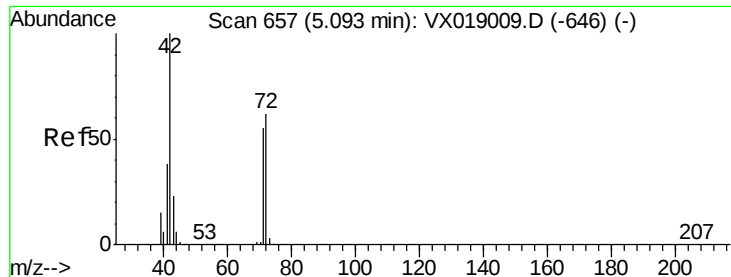


#28

Bromochloromethane
 Concen: 18.854 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.2
130	96.5	79.0	118.6





#29

Tetrahydrofuran

Concen: 93.689 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

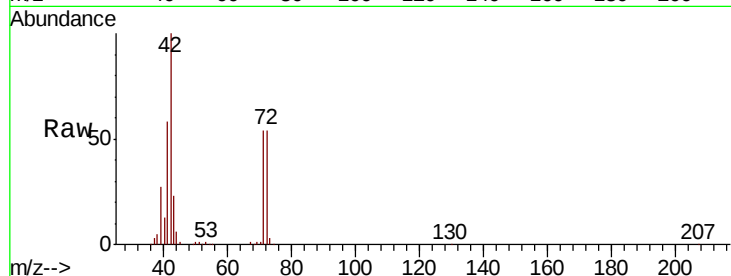
Tot Ion: 42 Resp: 87101

Ion Ratio Lower Upper

42 100

72 60.3 49.1 73.7

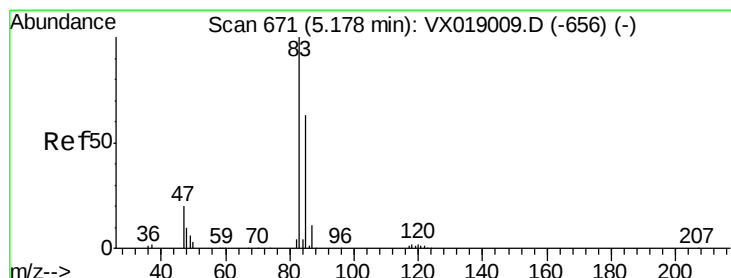
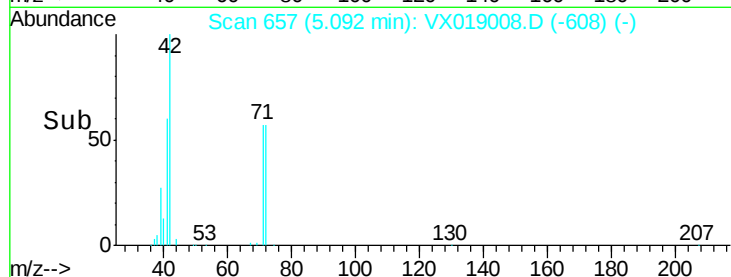
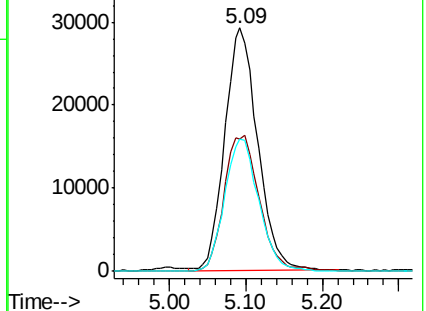
71 56.8 44.2 66.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.048 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX019008.D

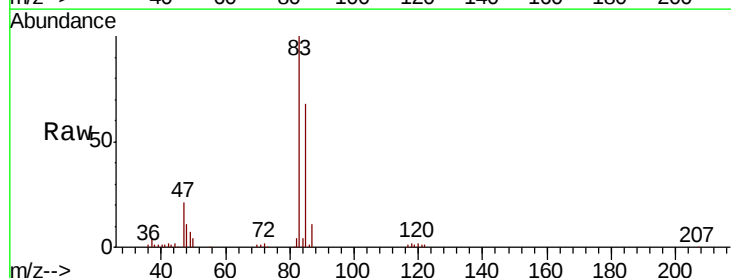
Acq: 21 Oct 2020 18:45

Tgt Ion: 83 Resp: 90222

Ion Ratio Lower Upper

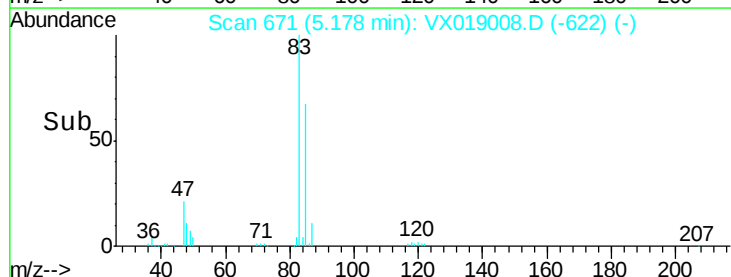
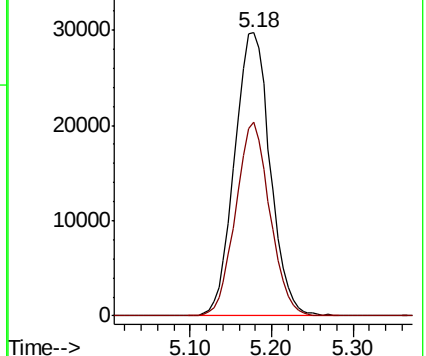
83 100

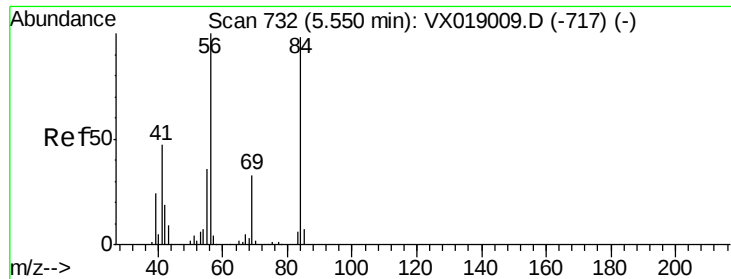
85 68.4 50.5 75.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

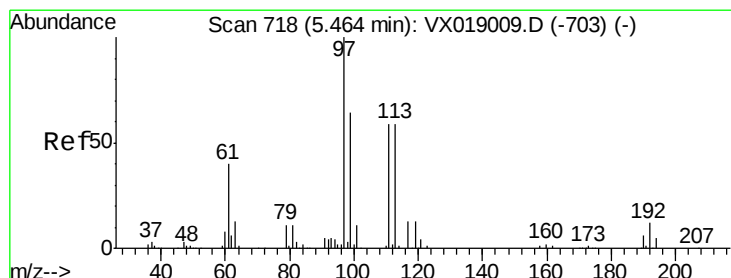
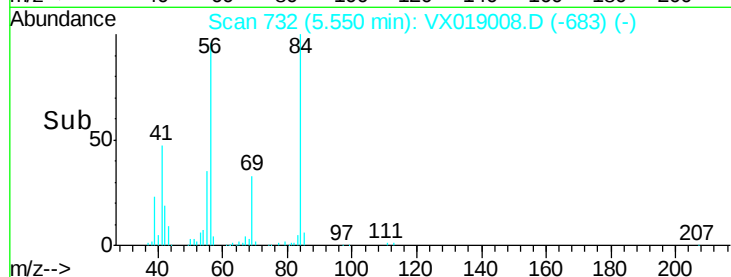
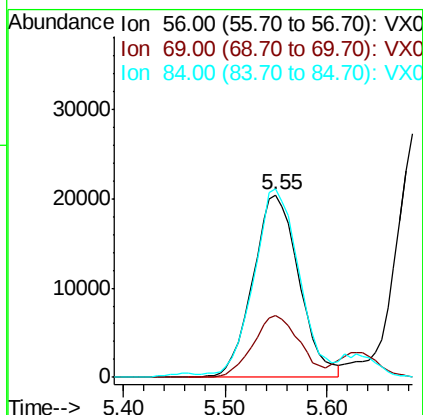
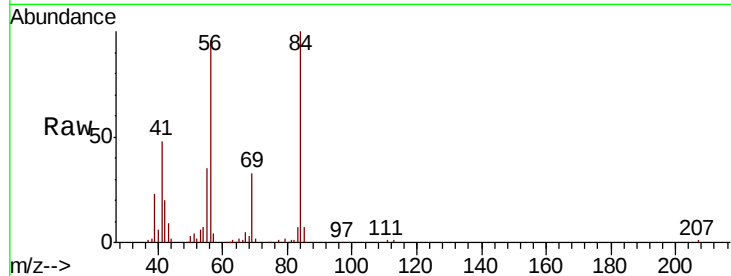




#31
Cyclohexane
Concen: 18.895 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

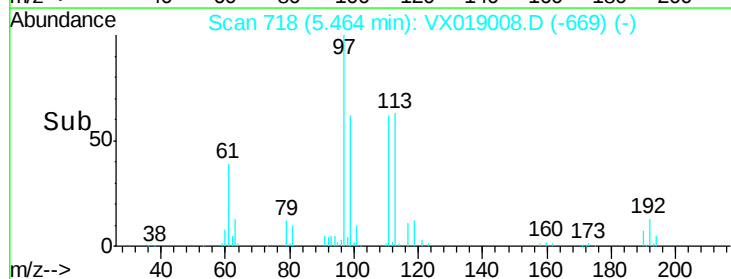
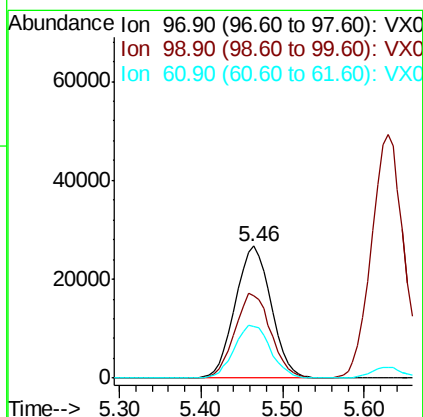
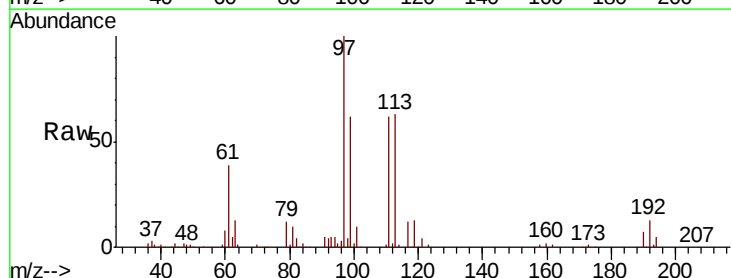
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

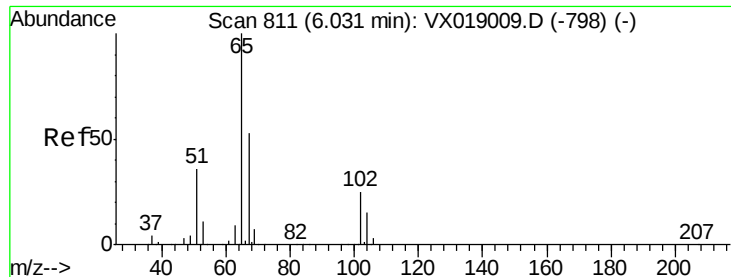
Tot Ion: 56 Resp: 63949
Ion Ratio Lower Upper
56 100
69 34.0 26.2 39.2
84 101.7 78.3 117.5



#32
1,1,1-Trichloroethane
Concen: 19.016 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Tgt Ion: 97 Resp: 81692
Ion Ratio Lower Upper
97 100
99 63.9 51.3 76.9
61 40.4 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 18.950 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

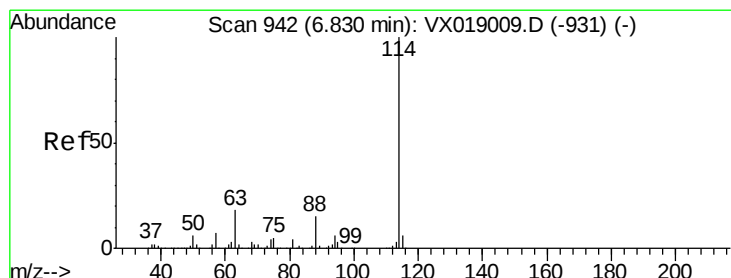
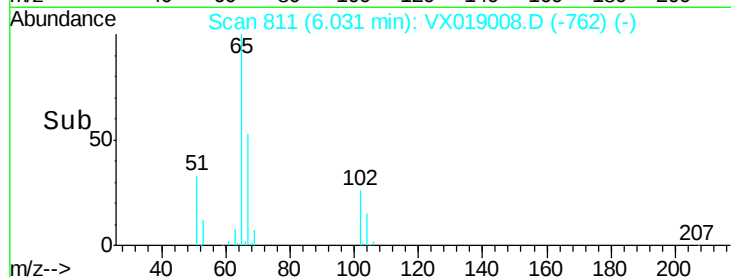
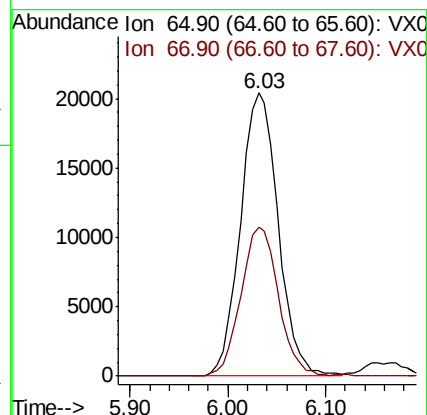
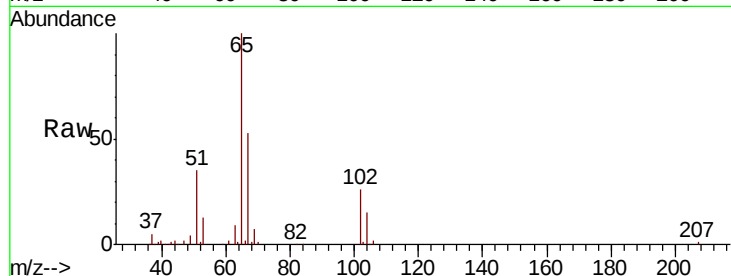
VSTDIC020

Tot Ion: 65 Resp: 54768

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

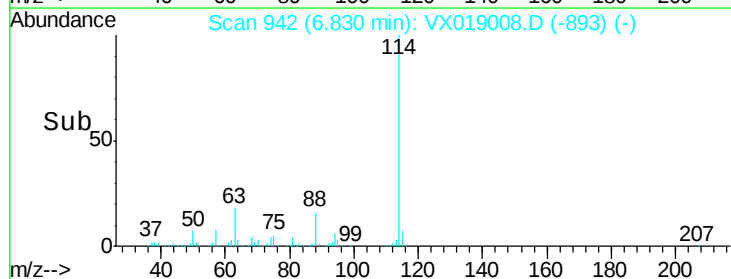
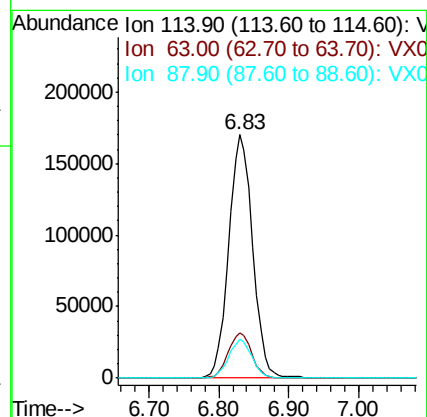
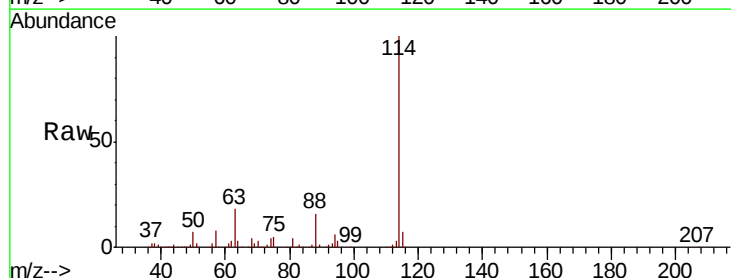
Tgt Ion: 114 Resp: 403243

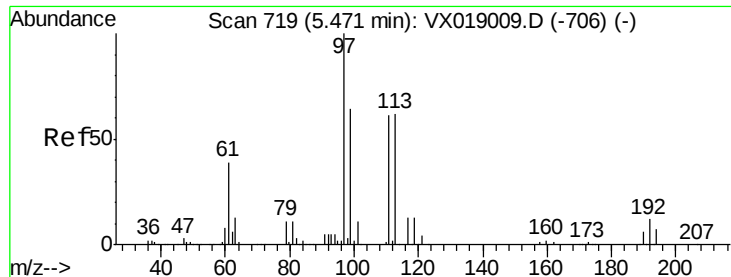
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 15.9 0.0 30.2

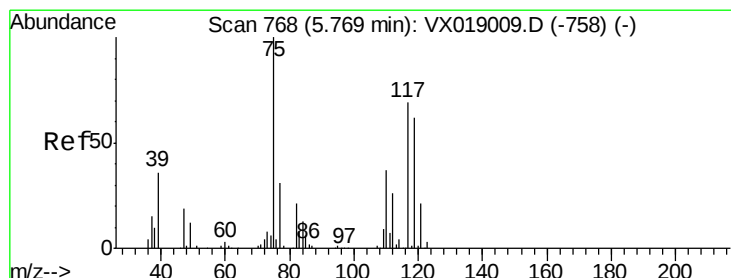
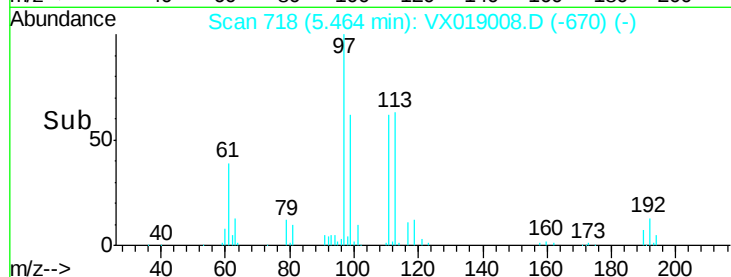
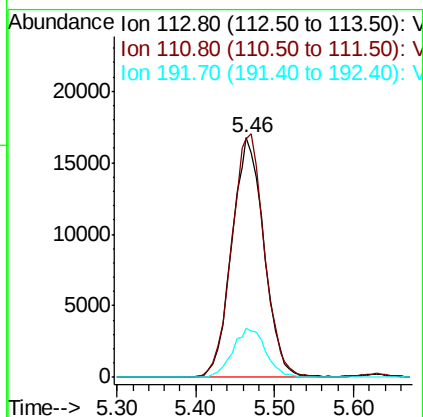
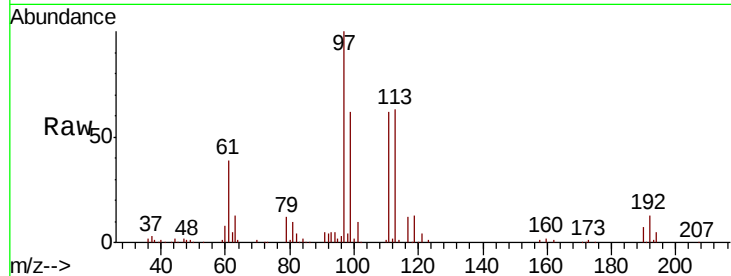




#35
 Dibromofluoromethane
 Concen: 18.582 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

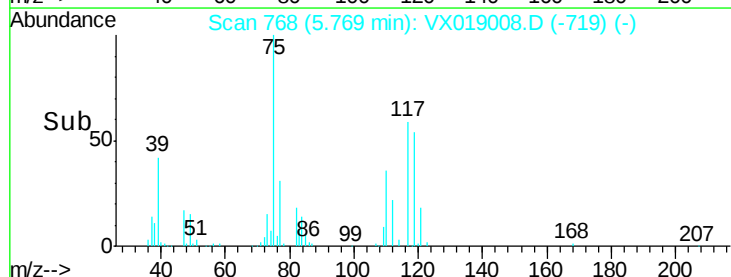
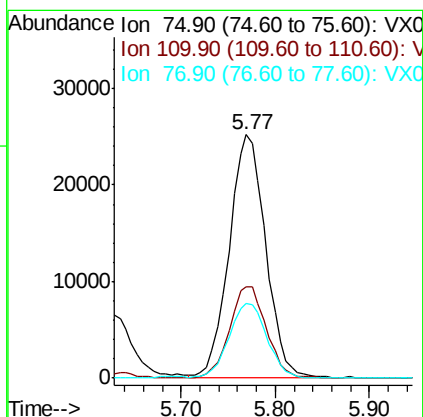
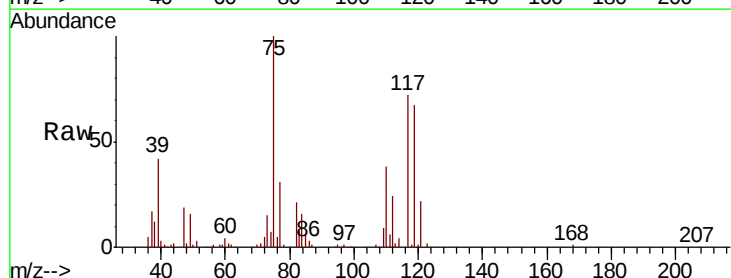
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

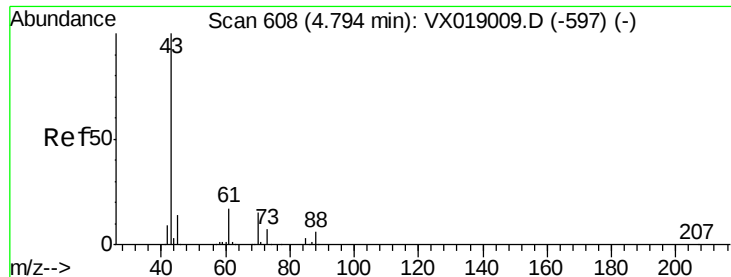
Tot Ion:113 Resp: 47441
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.5 122.3
 192 20.6 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 18.635 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Tgt Ion: 75 Resp: 67426
 Ion Ratio Lower Upper
 75 100
 110 38.1 19.4 58.2
 77 32.2 25.2 37.8

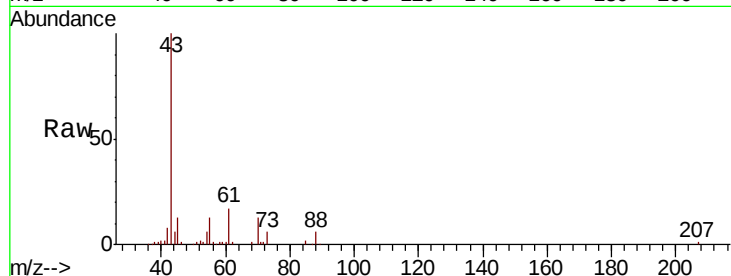




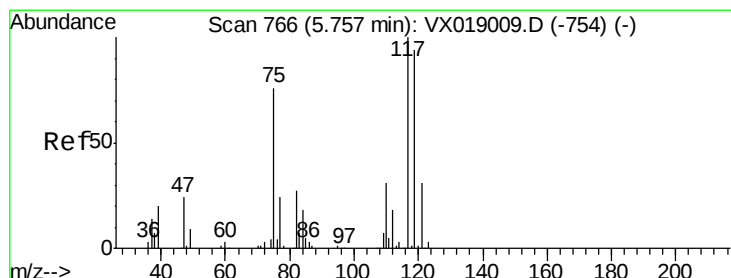
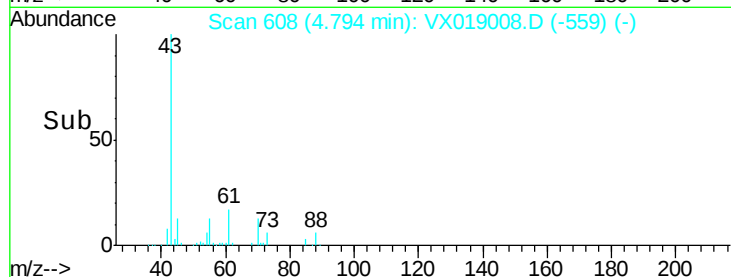
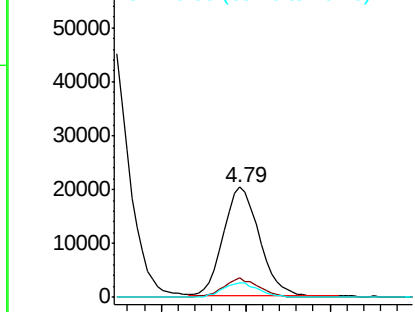
#37
Ethyl Acetate
Concen: 19.259 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 59477
Ion Ratio Lower Upper
43 100
61 17.3 13.8 20.8
70 13.6 11.4 17.2

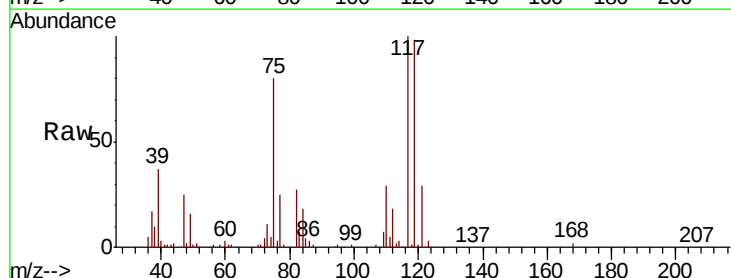


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

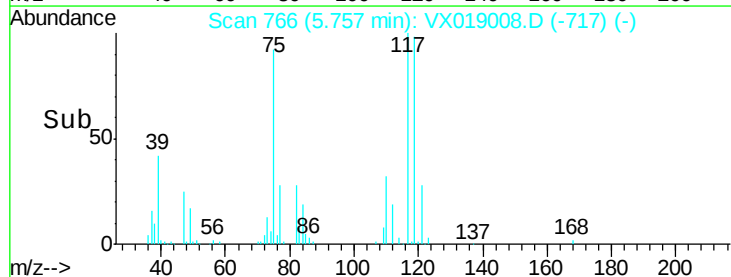
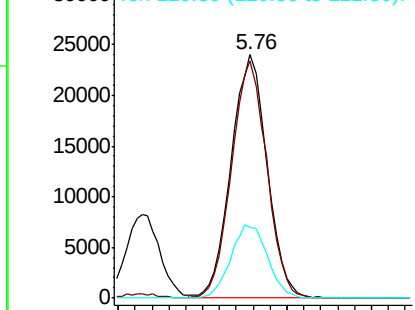


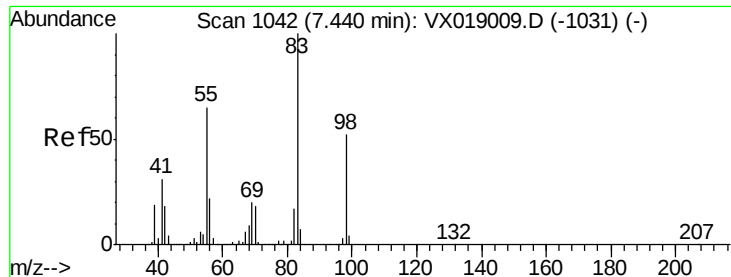
#38
Carbon Tetrachloride
Concen: 18.324 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Tgt Ion: 117 Resp: 69592
Ion Ratio Lower Upper
117 100
119 97.7 75.4 113.0
121 29.2 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

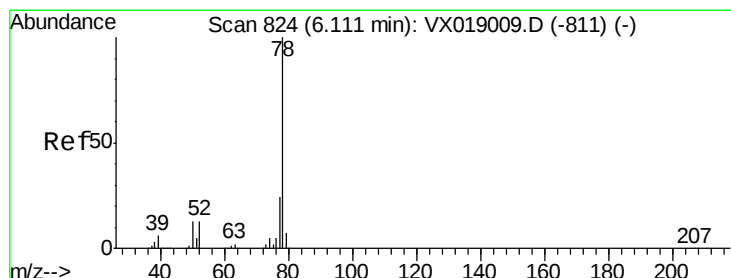
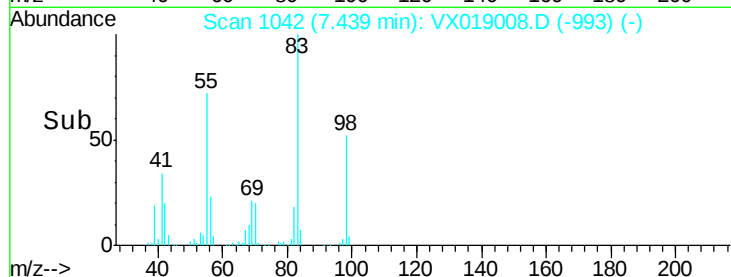
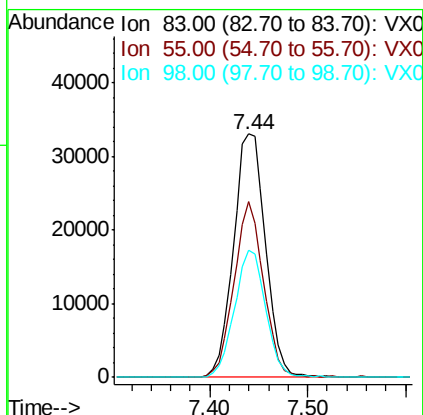
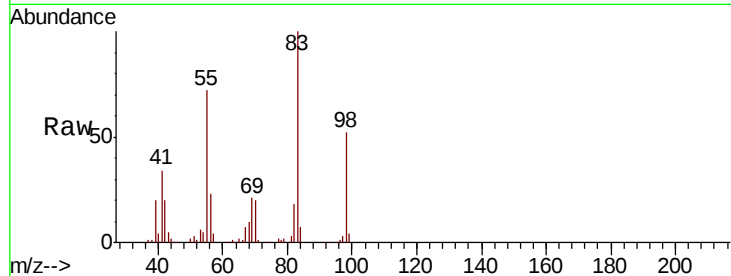




#39
Methvlcvclohexane
Concen: 18.548 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

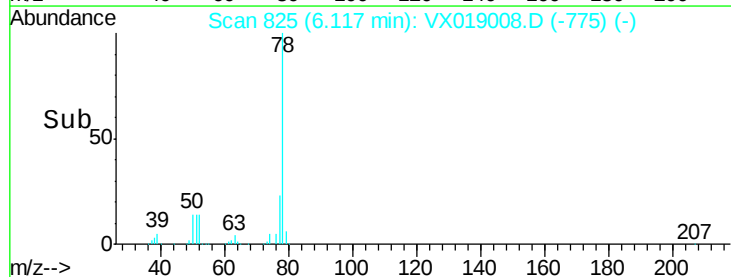
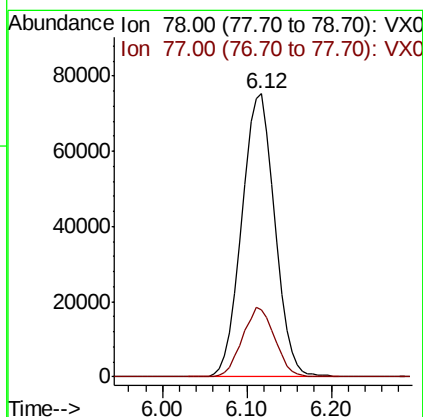
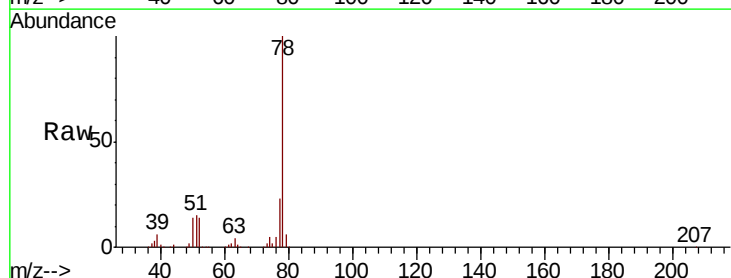
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

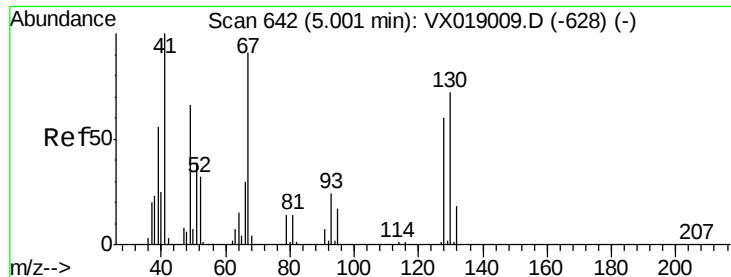
Tot Ion: 83 Resp: 75190
Ion Ratio Lower Upper
83 100
55 72.4 51.8 77.6
98 52.0 41.4 62.2



#40
Benzene
Concen: 18.804 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Tgt Ion: 78 Resp: 200376
Ion Ratio Lower Upper
78 100
77 23.5 19.3 28.9

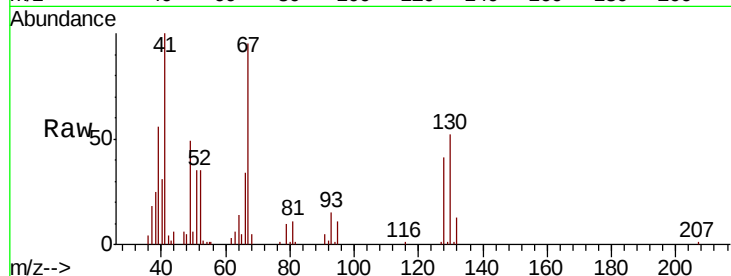




#41
Methacrylonitrile
Concen: 18.535 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:	41	Resp:	30748
Ion	Ratio	Lower	Upper
41	100		
39	56.6	44.6	67.0
67	96.6	76.1	114.1
52	36.5	28.3	42.5



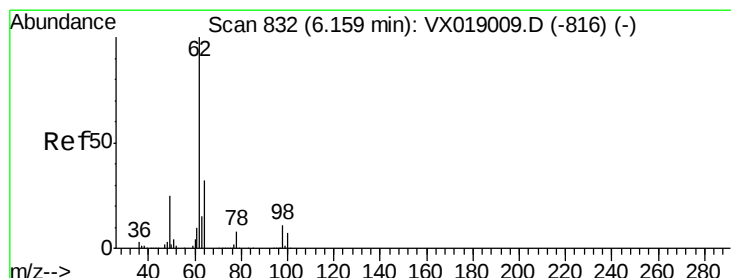
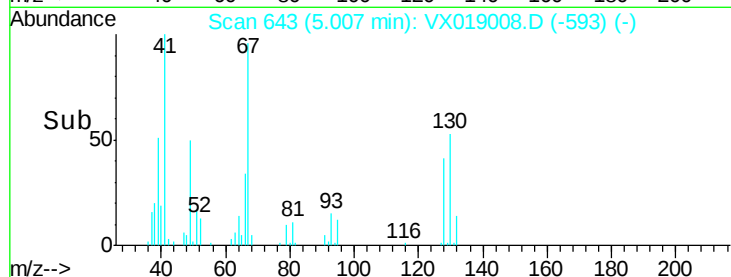
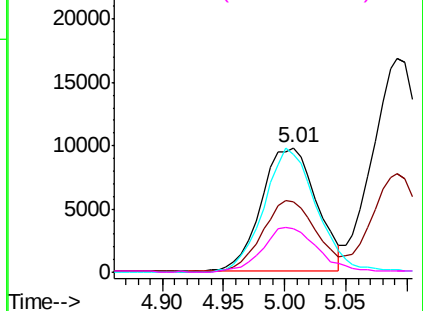
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

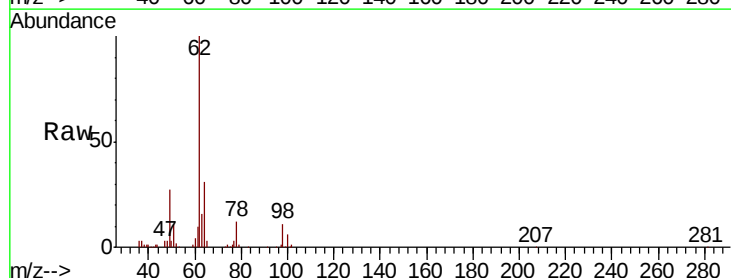
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 19.022 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

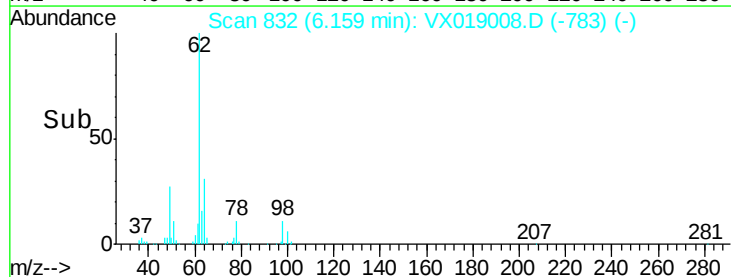
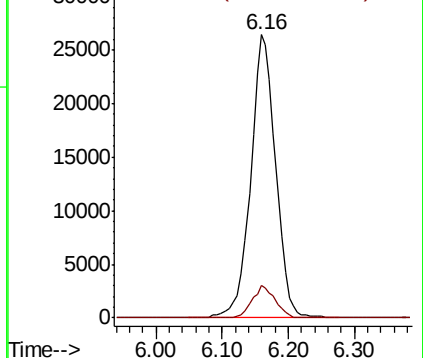
Tgt Ion:	62	Resp:	69177
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.8

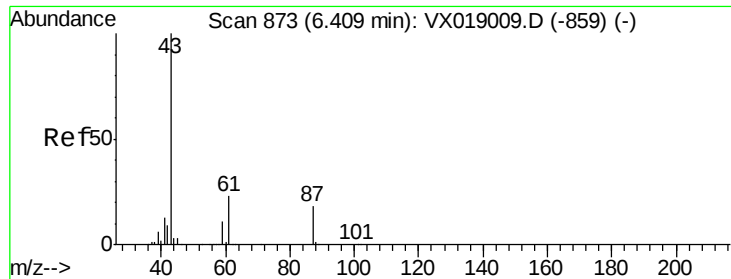


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



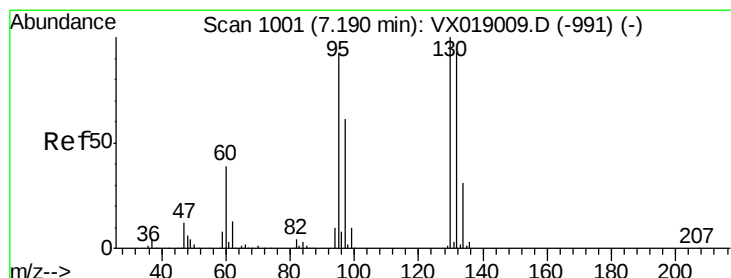
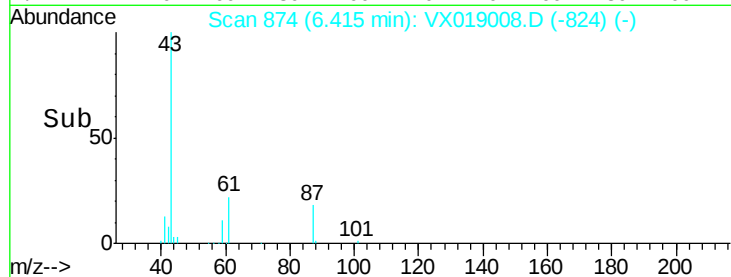
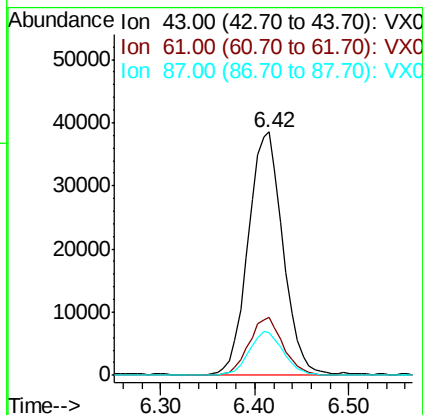
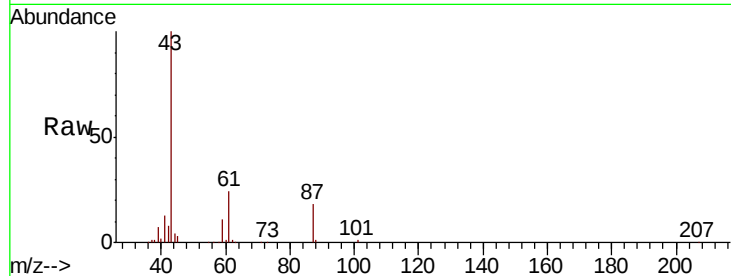


#43

Isopropyl Acetate
 Concen: 18.974 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

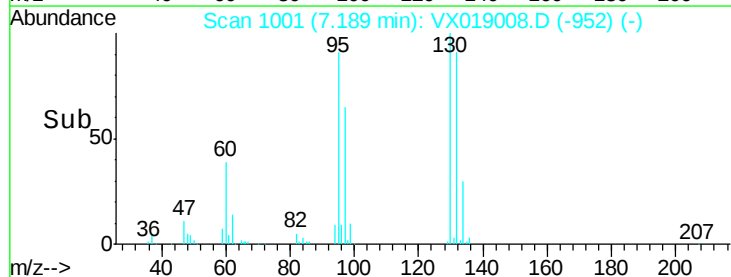
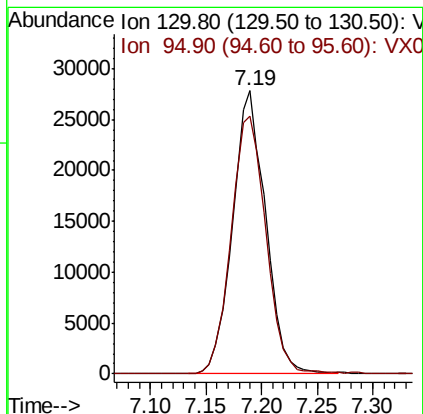
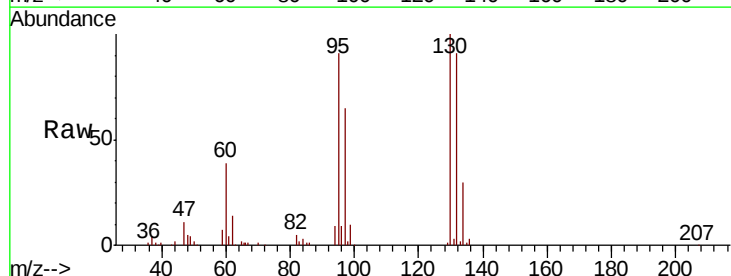
Tot Ion: 43 Resp: 99239
 Ion Ratio Lower Upper
 43 100
 61 23.5 18.7 28.1
 87 17.8 14.2 21.4

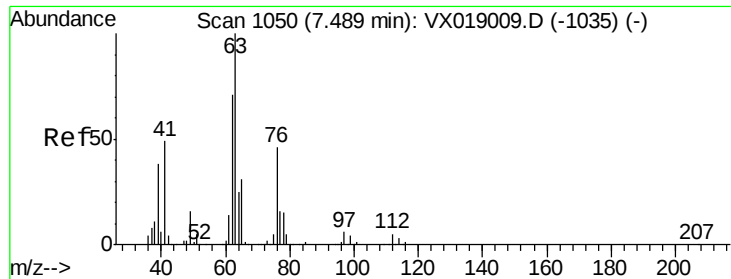


#44

Trichloroethene
 Concen: 18.396 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Tgt Ion: 130 Resp: 57170
 Ion Ratio Lower Upper
 130 100
 95 91.2 0.0 184.2





#45

1,2-Dichloropropane

Concen: 19.080 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

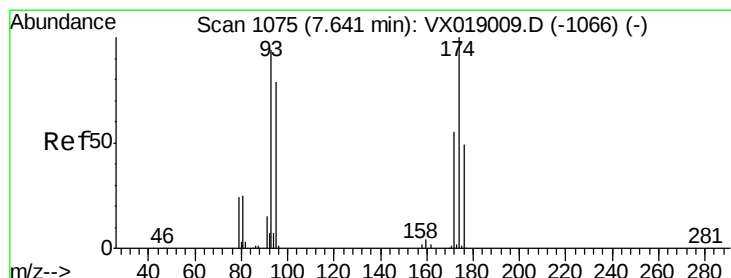
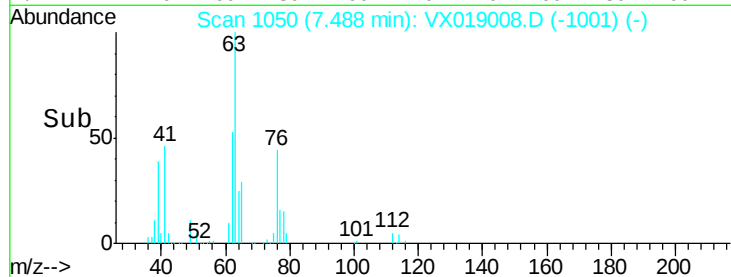
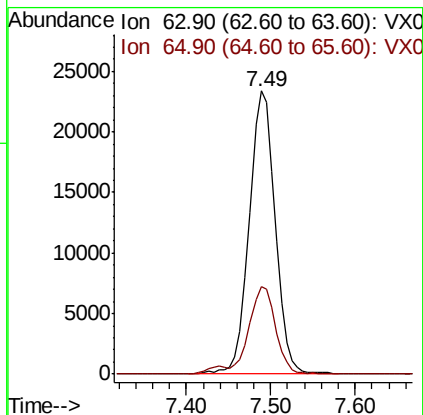
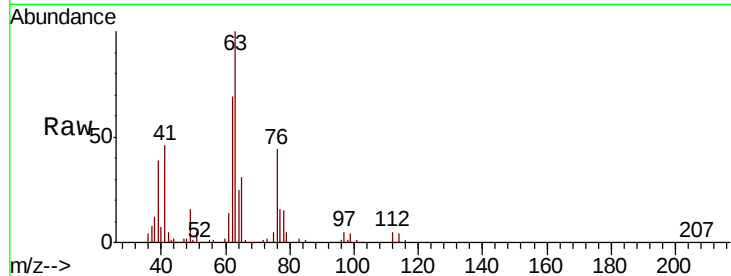
VSTDIC020

Tot Ion: 63 Resp: 48770

Ion Ratio Lower Upper

63 100

65 30.7 24.9 37.3



#46

Dibromomethane

Concen: 18.483 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

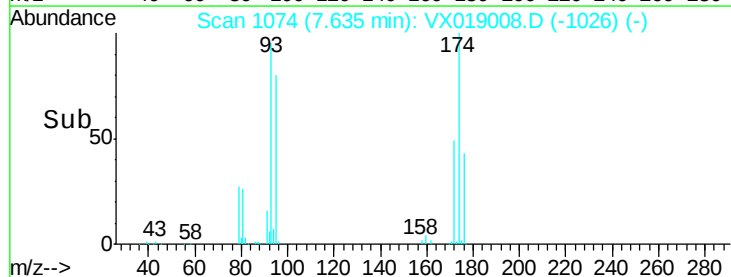
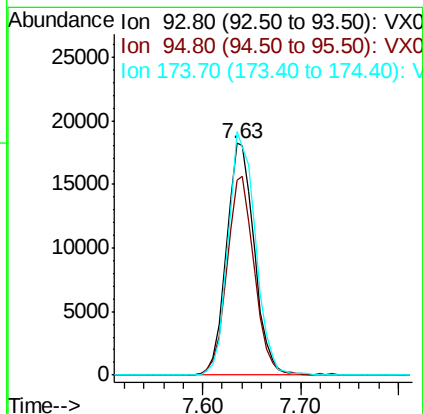
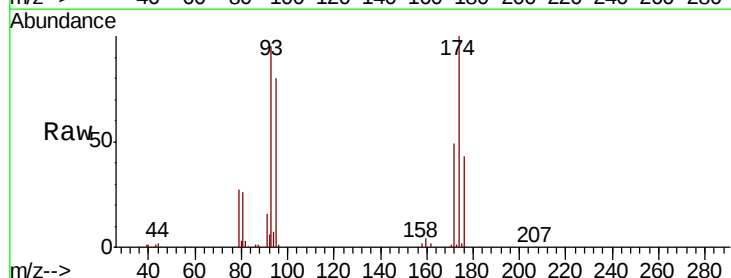
Tgt Ion: 93 Resp: 35984

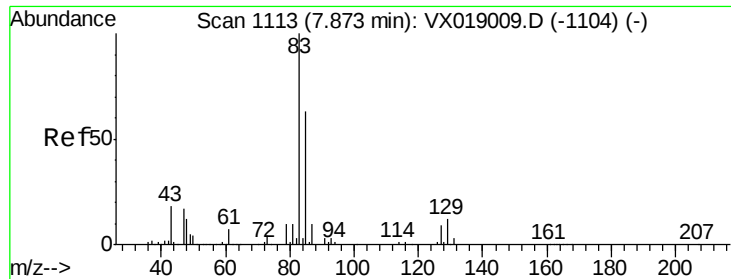
Ion Ratio Lower Upper

93 100

95 83.9 66.8 100.2

174 102.9 83.8 125.8





#47

Bromodichloromethane

Concen: 18.694 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

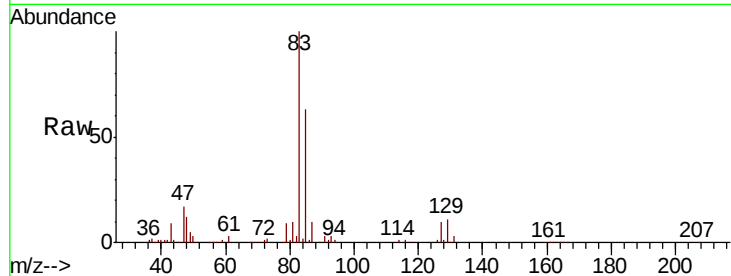
Tot Ion: 83 Resp: 71359

Ion Ratio Lower Upper

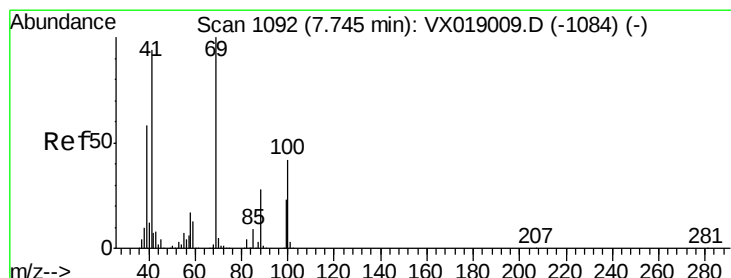
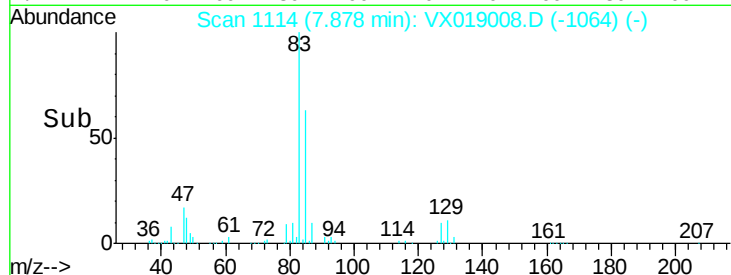
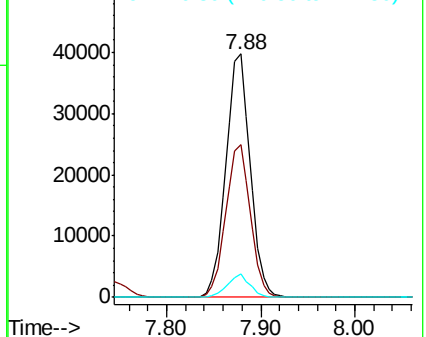
83 100

85 62.6 50.7 76.1

127 9.6 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.258 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

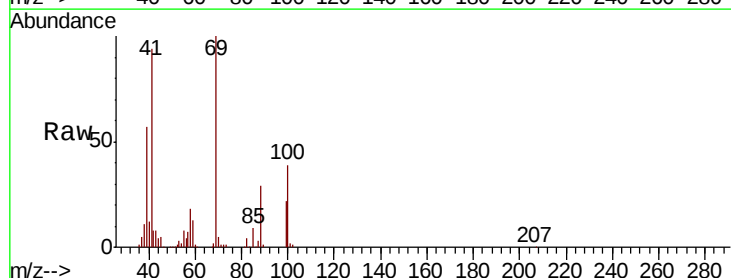
Tgt Ion: 41 Resp: 47054

Ion Ratio Lower Upper

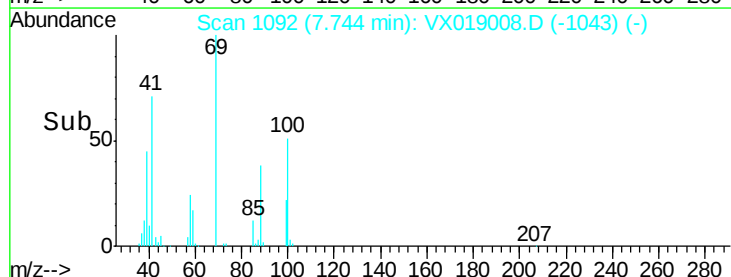
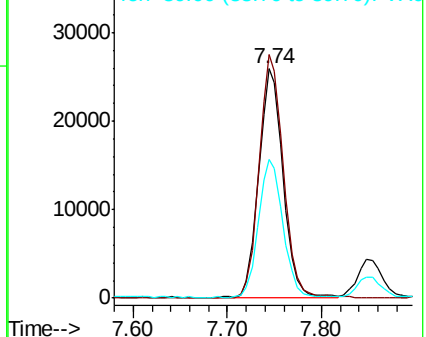
41 100

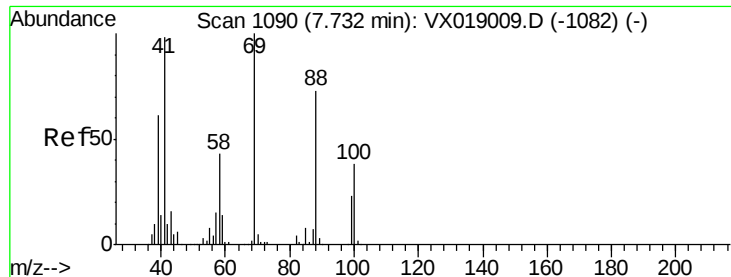
69 106.2 85.5 128.3

39 60.7 49.3 73.9



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





#49

1,4-Dioxane

Concen: 387.303 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

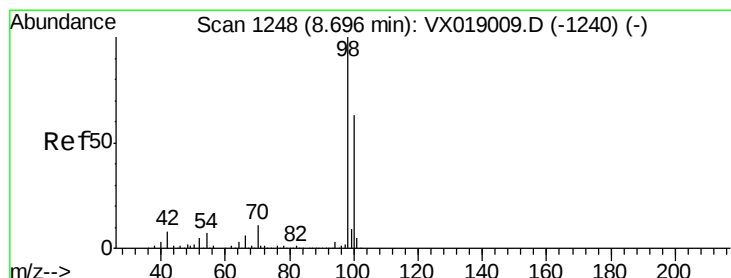
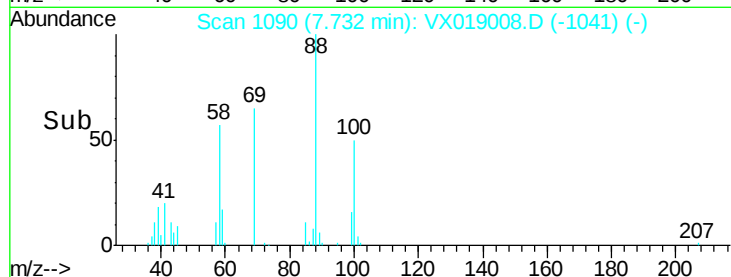
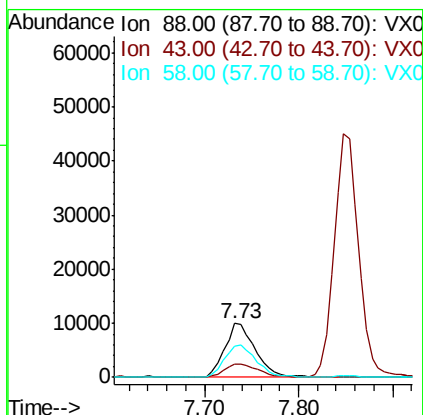
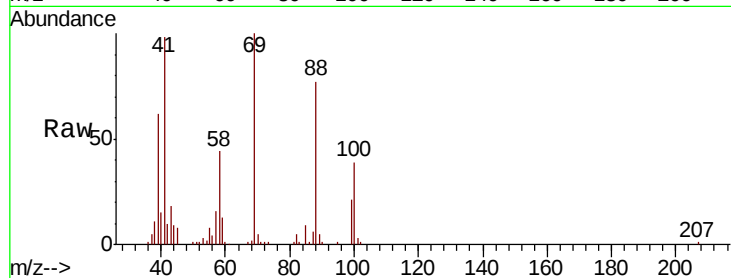
Tot Ion: 88 Resp: 22552

Ion Ratio Lower Upper

88 100

43 26.1 20.3 30.5

58 62.2 48.4 72.6



#50

Toluene-d8

Concen: 18.398 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019008.D

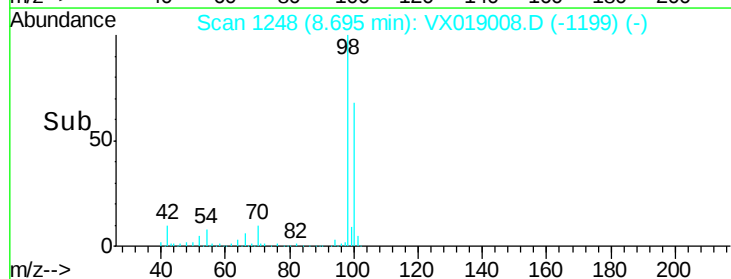
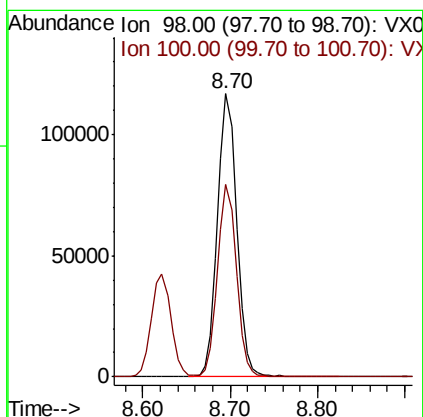
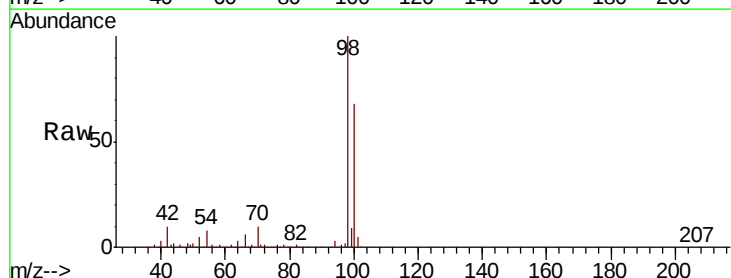
Acq: 21 Oct 2020 18:45

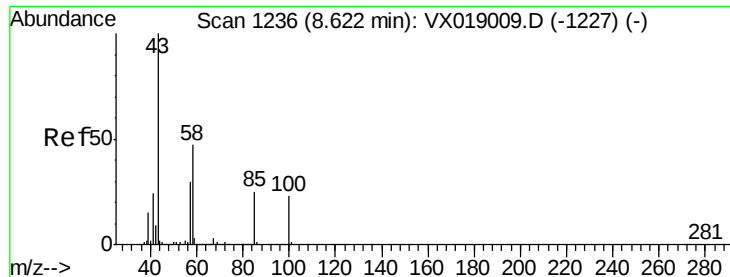
Tgt Ion: 98 Resp: 179248

Ion Ratio Lower Upper

98 100

100 66.7 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 98.109 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

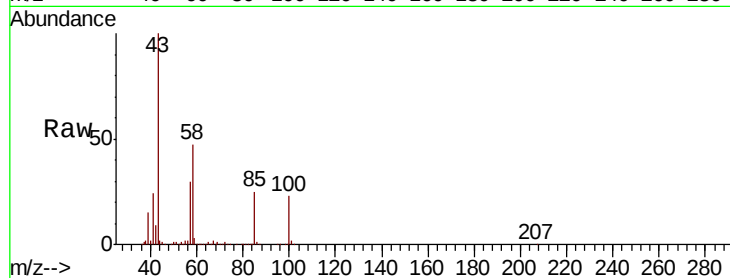
VSTDIC020

Tot Ion: 43 Resp: 302372

Ion Ratio Lower Upper

43 100

58 46.3 37.4 56.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

200000

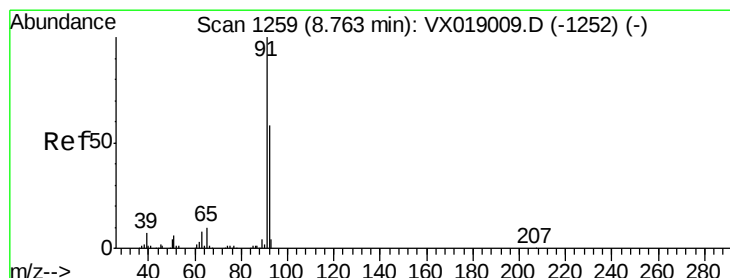
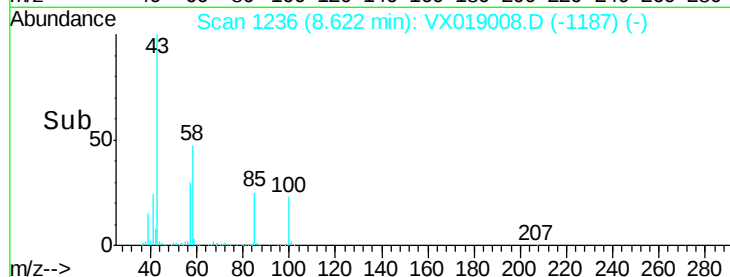
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.110 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019008.D

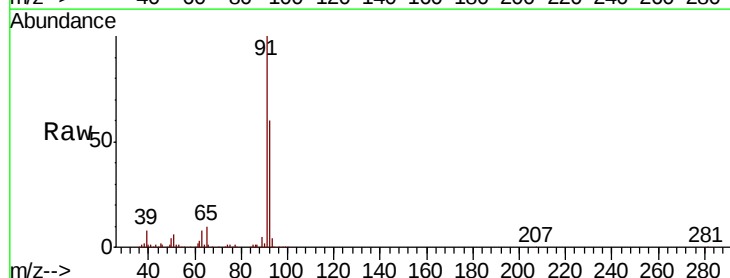
Acq: 21 Oct 2020 18:45

Tgt Ion: 92 Resp: 134506

Ion Ratio Lower Upper

92 100

91 171.2 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

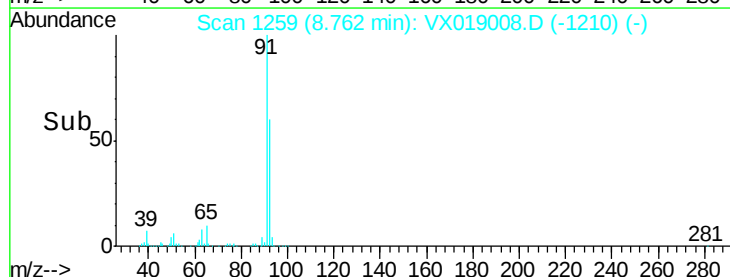
150000

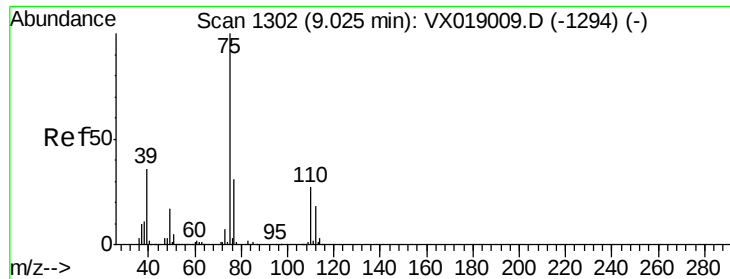
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.684 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

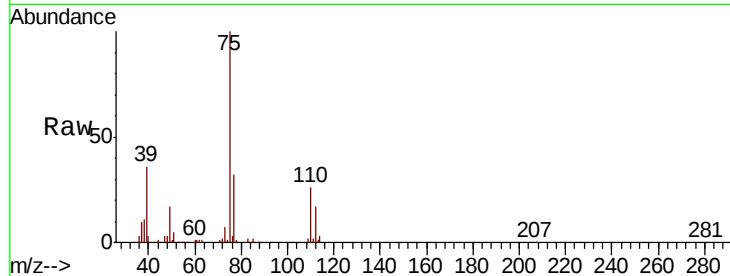
VSTDIC020

Tot Ion: 75 Resp: 80541

Ion Ratio Lower Upper

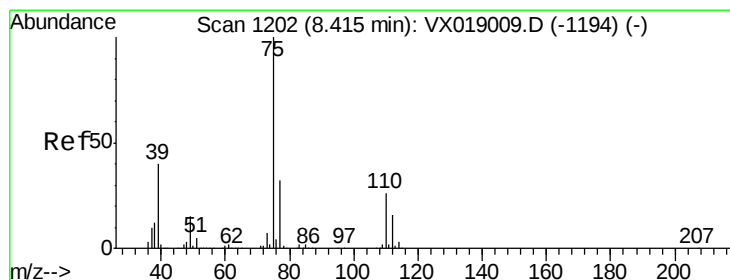
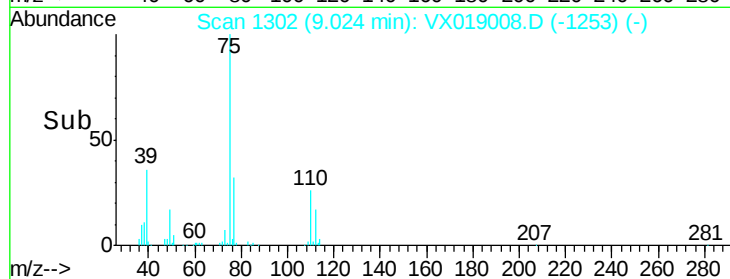
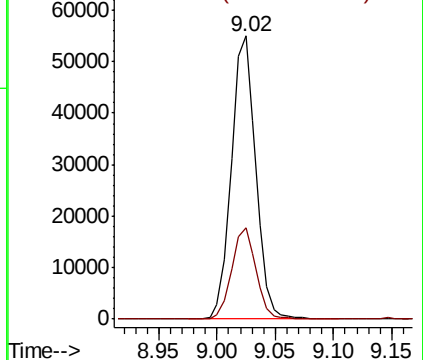
75 100

77 32.3 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.794 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

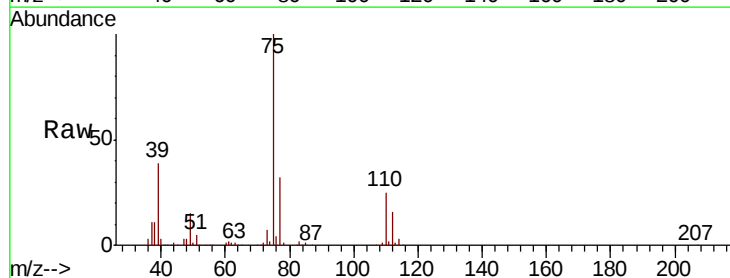
Tgt Ion: 75 Resp: 85552

Ion Ratio Lower Upper

75 100

77 31.6 25.9 38.9

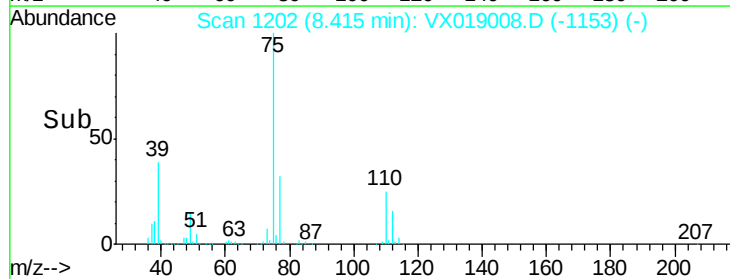
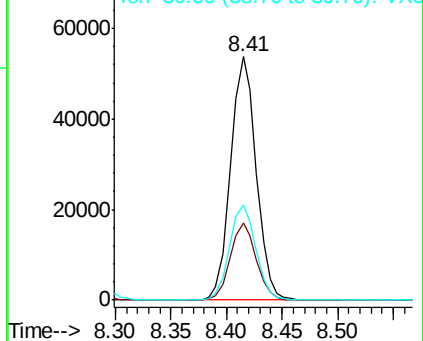
39 39.0 31.7 47.5

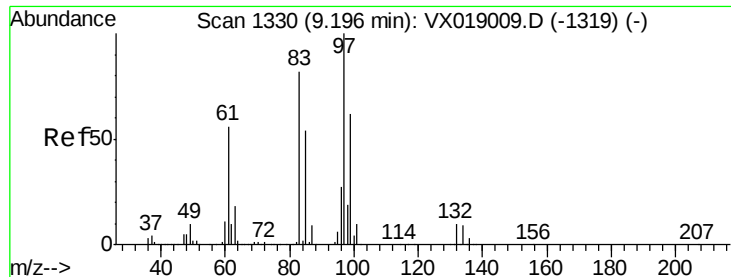


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

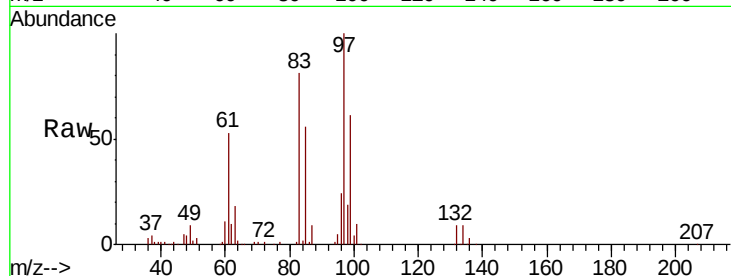




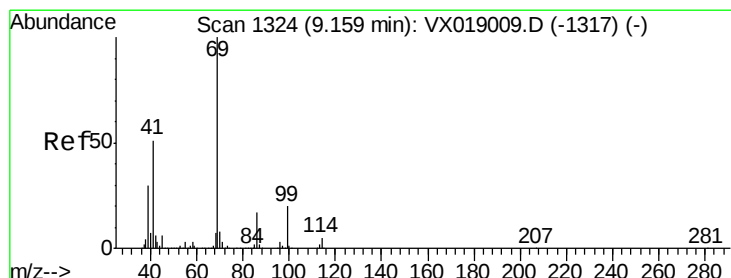
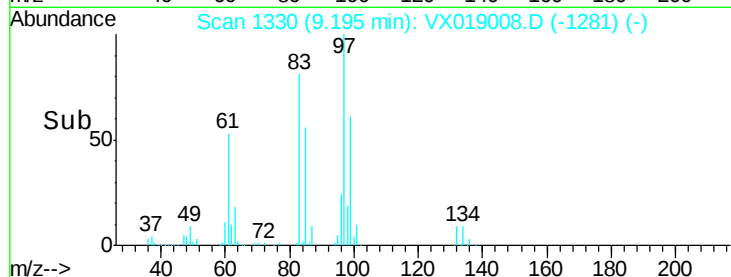
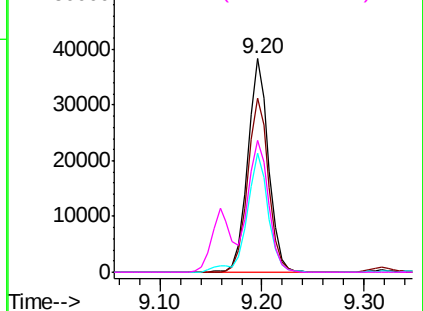
#55
 1,1,2-Trichloroethane
 Concen: 18.976 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	54446
Ion	Ratio	Lower	Upper
97	100		
83	81.4	65.4	98.2
85	55.9	43.3	64.9
99	61.5	50.0	75.0

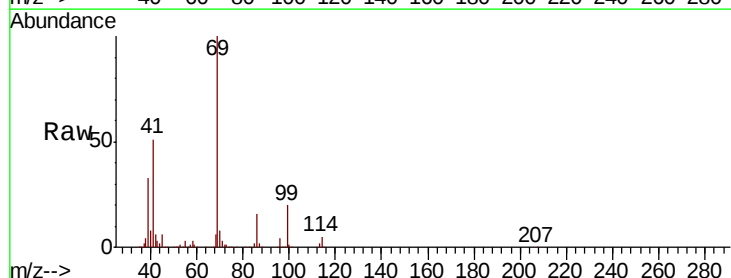


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

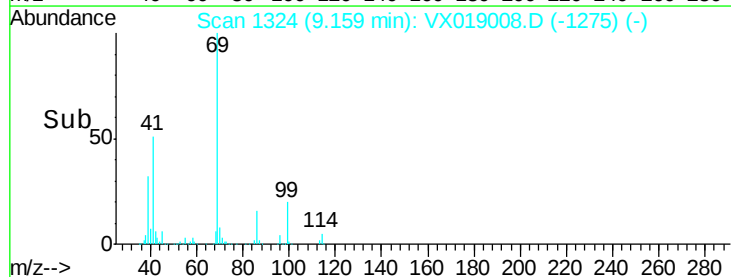
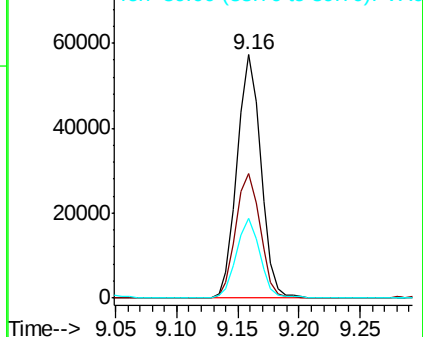


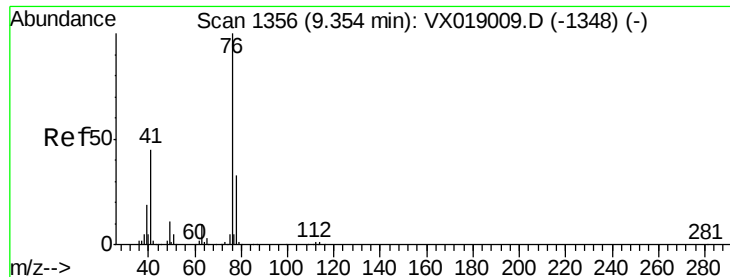
#56
 Ethyl methacrylate
 Concen: 18.705 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Tgt Ion:	69	Resp:	77215
Ion	Ratio	Lower	Upper
69	100		
41	52.7	41.1	61.7
39	32.3	24.6	37.0



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: 19.156 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

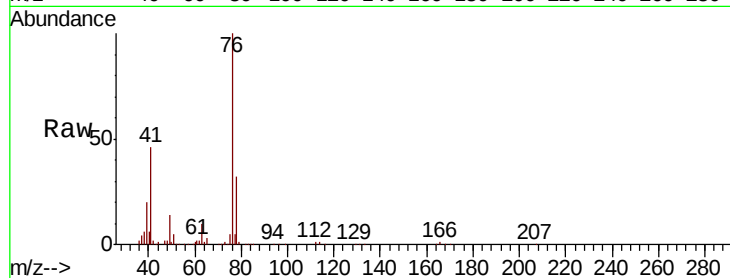
VSTDIC020

Tot Ion: 76 Resp: 87242

Ion Ratio Lower Upper

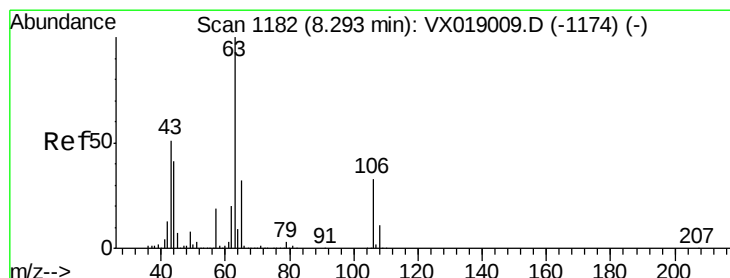
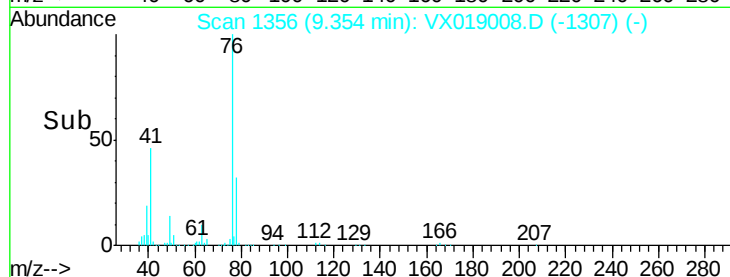
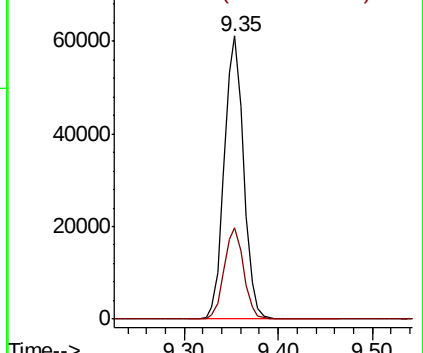
76 100

78 32.4 26.2 39.4



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: 94.455 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX019008.D

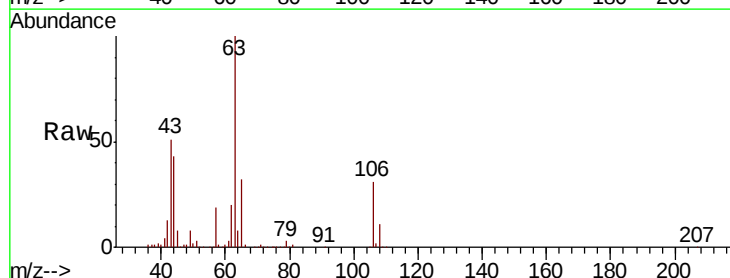
Acq: 21 Oct 2020 18:45

Tgt Ion: 63 Resp: 204823

Ion Ratio Lower Upper

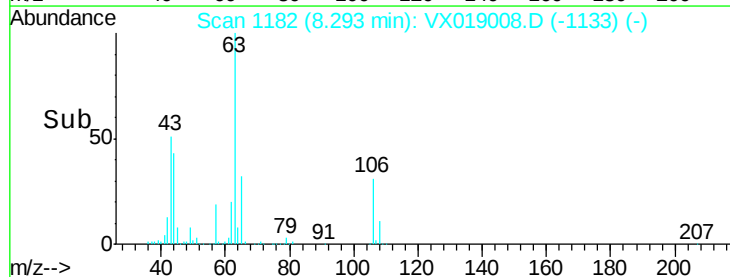
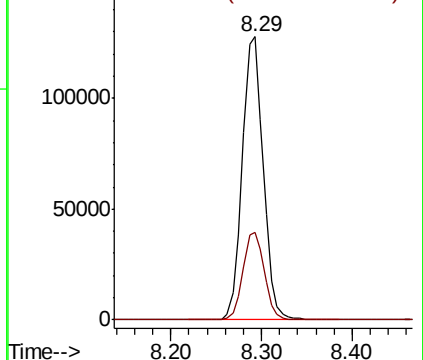
63 100

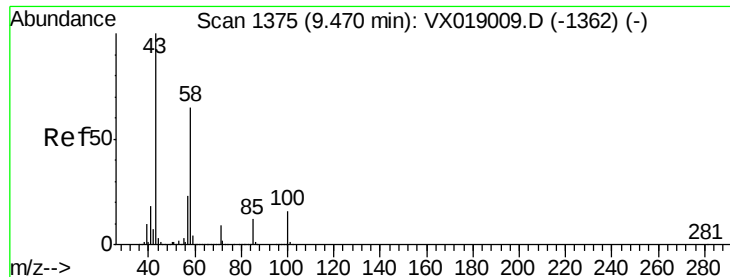
106 31.5 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

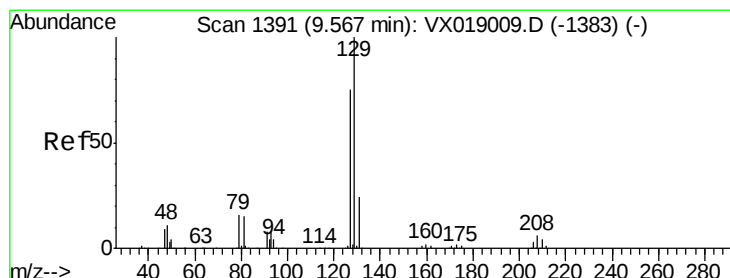
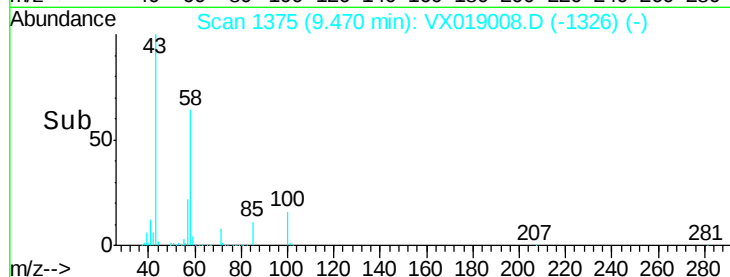
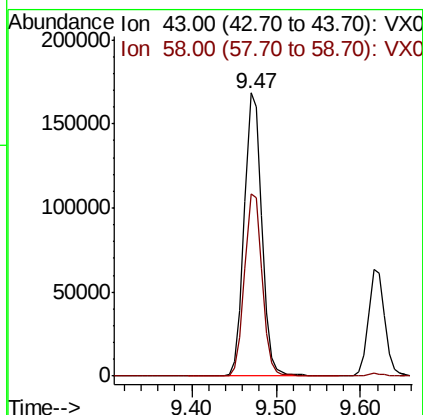
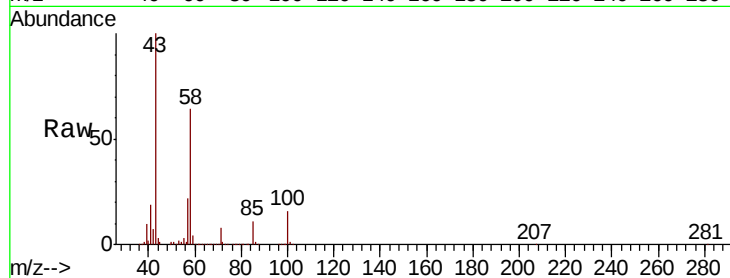




#59
2-Hexanone
Concen: 101.313 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

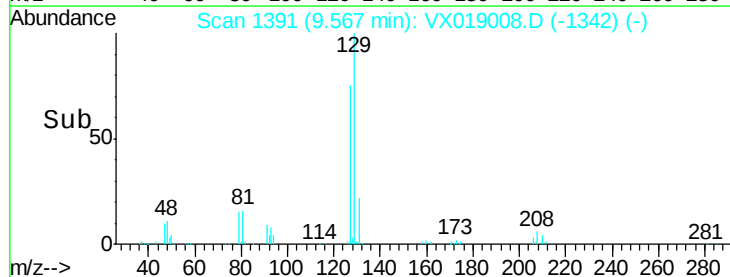
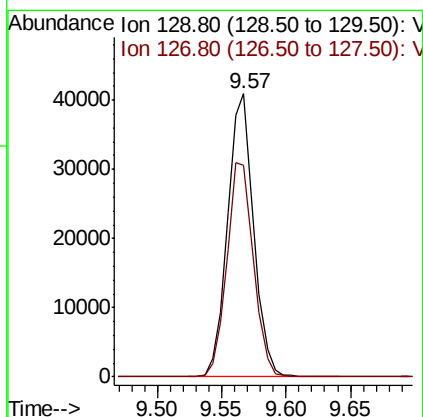
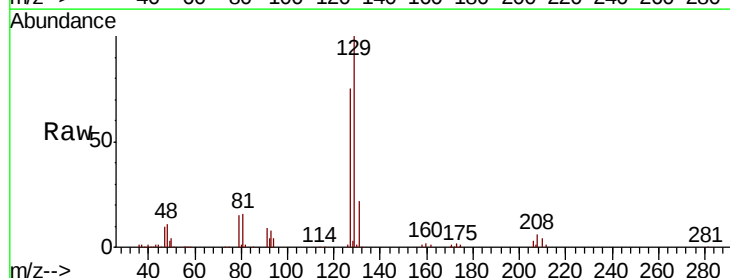
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

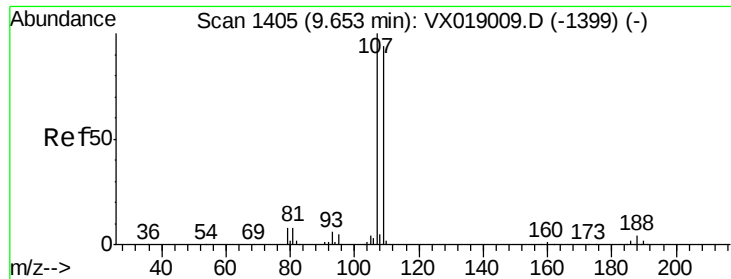
Tot Ion: 43 Resp: 232690
Ion Ratio Lower Upper
43 100
58 64.7 32.8 98.4



#60
Dibromochloromethane
Concen: 18.573 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Tgt Ion: 129 Resp: 58084
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.7





#61

1,2-Dibromoethane

Concen: 18.698 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

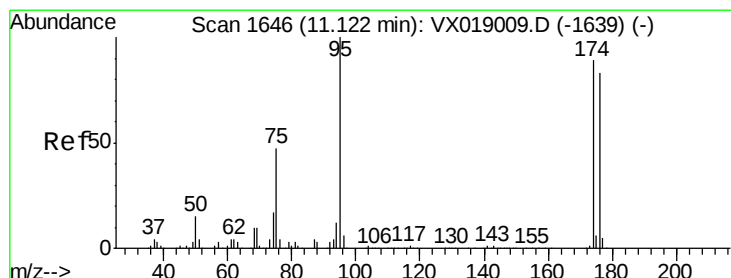
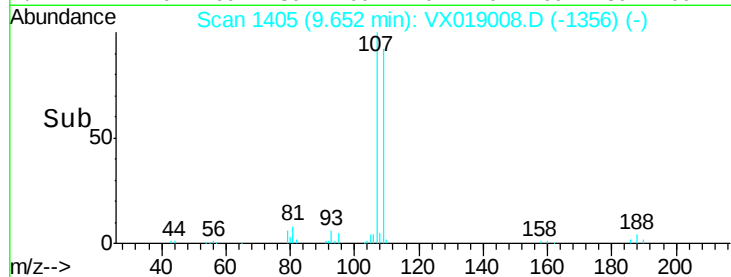
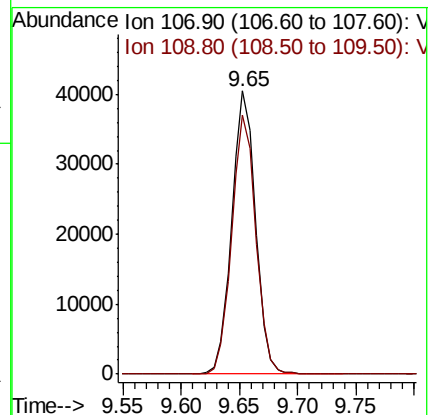
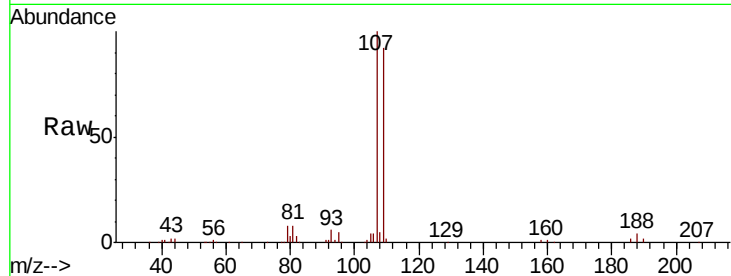
VSTDIC020

Tot Ion:107 Resp: 57402

Ion Ratio Lower Upper

107 100

109 92.9 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 18.648 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

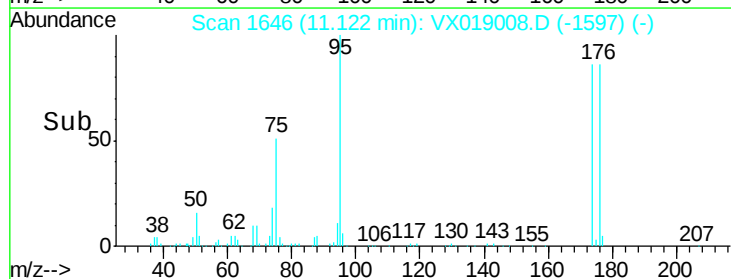
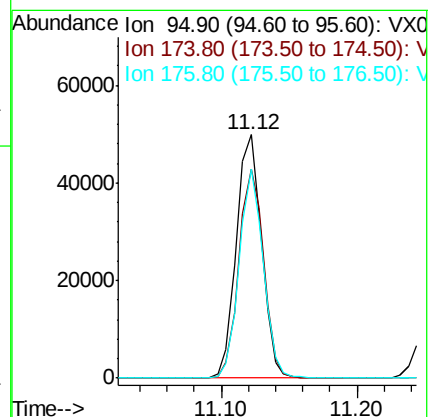
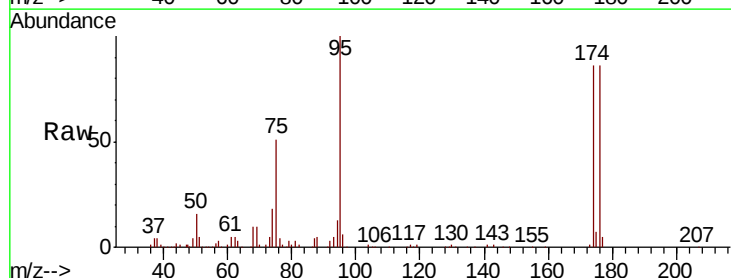
Tgt Ion: 95 Resp: 64624

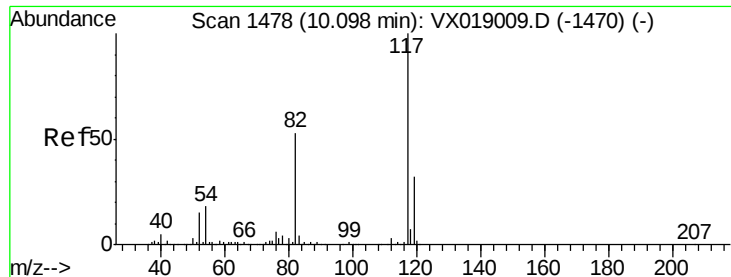
Ion Ratio Lower Upper

95 100

174 84.6 0.0 167.6

176 81.3 0.0 165.2

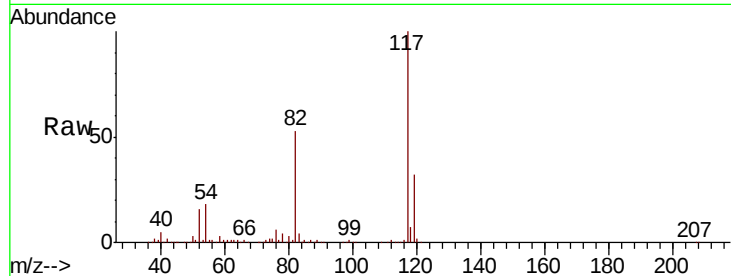




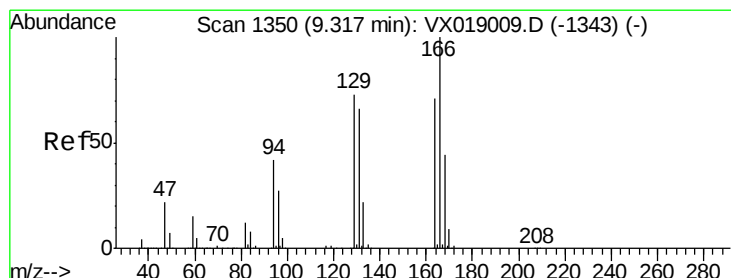
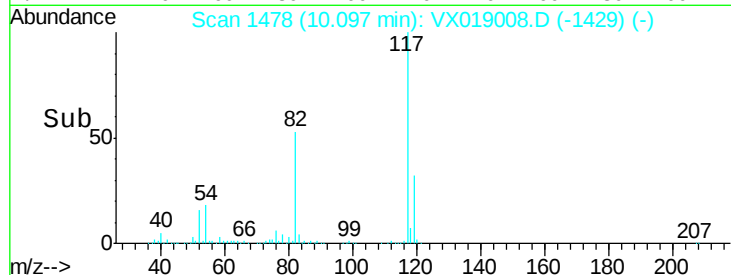
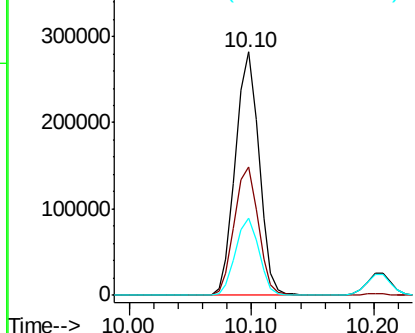
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 377862
Ion Ratio Lower Upper
117 100
82 52.8 42.4 63.6
119 32.0 25.6 38.4

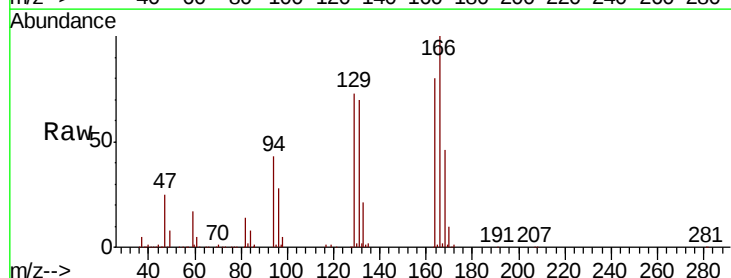


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

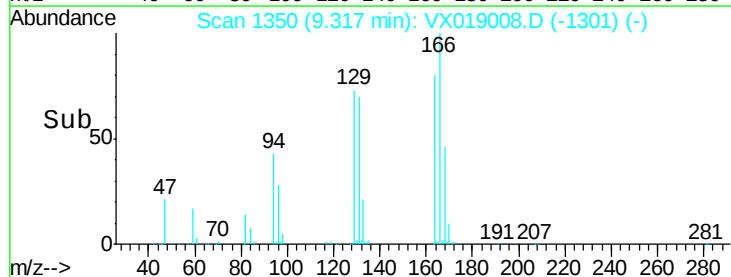
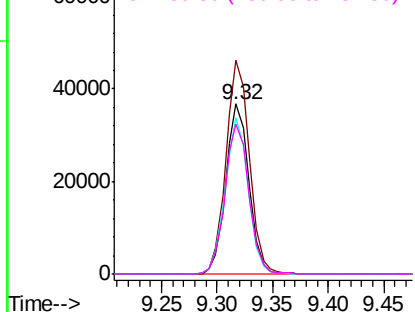


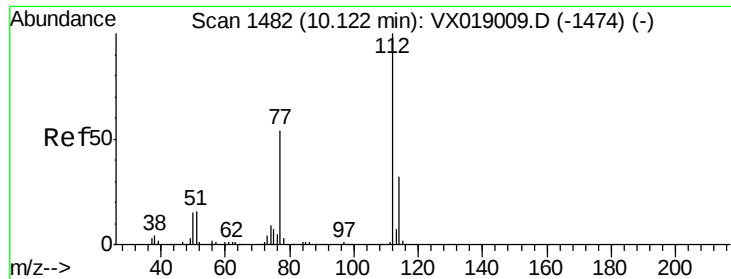
#64
Tetrachloroethene
Concen: 18.379 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Tgt Ion:164 Resp: 52875
Ion Ratio Lower Upper
164 100
166 125.7 112.2 168.4
129 92.2 81.8 122.8
131 88.3 74.6 112.0



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

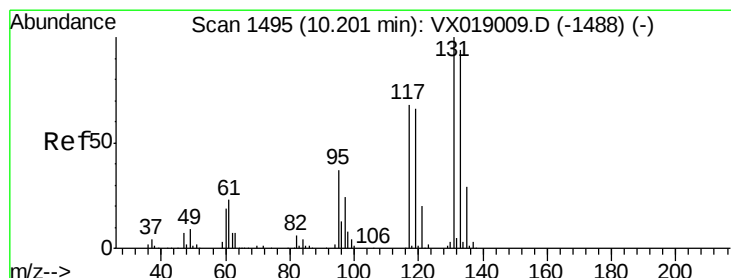
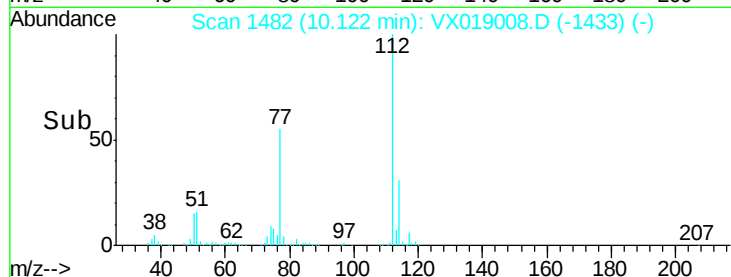
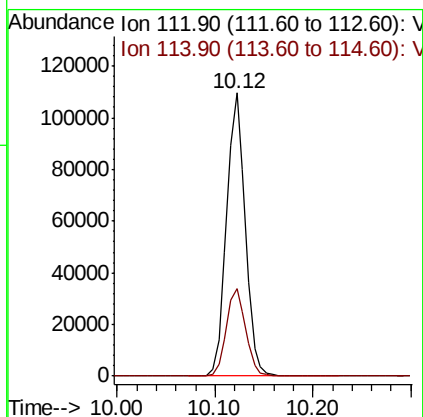
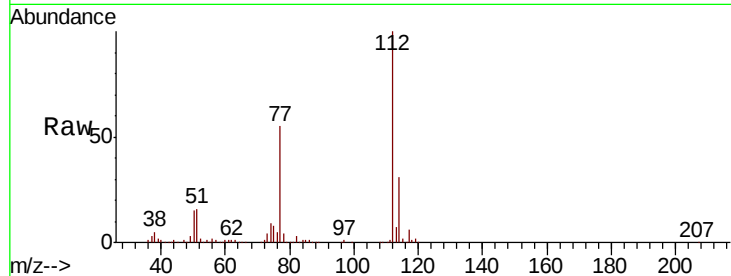




#65
Chlorobenzene
Concen: 18.408 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

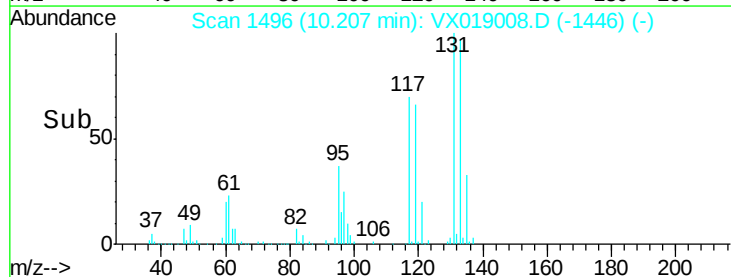
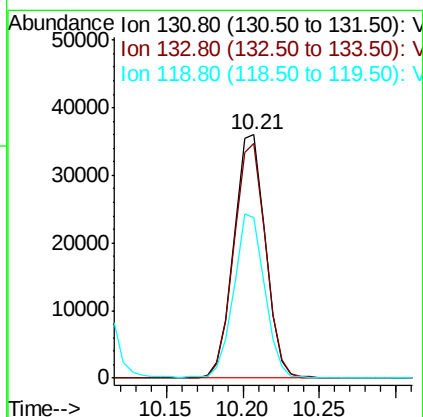
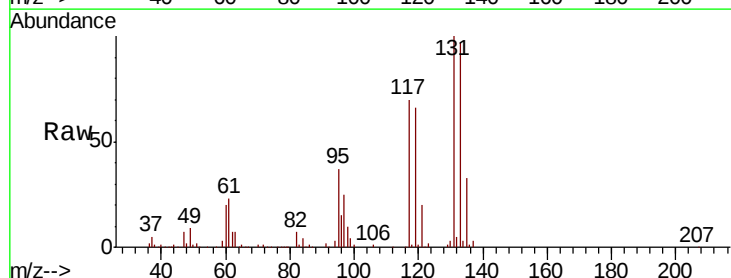
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

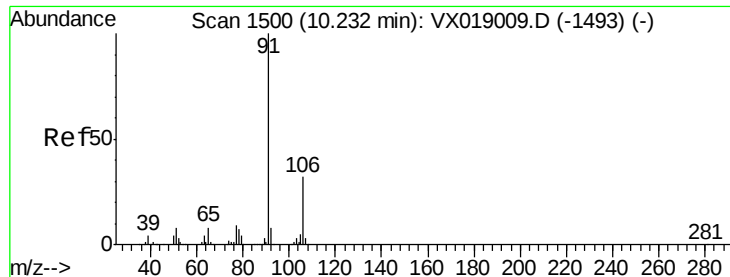
Tot Ion:112 Resp: 145902
Ion Ratio Lower Upper
112 100
114 30.9 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 18.359 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Tgt Ion:131 Resp: 51735
Ion Ratio Lower Upper
131 100
133 96.8 47.0 141.2
119 65.5 32.9 98.7





#67

Ethyl Benzene

Concen: 18.686 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

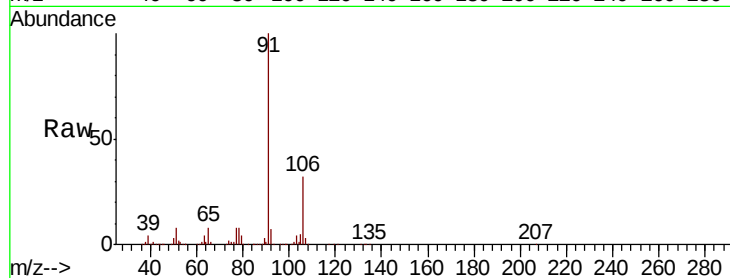
VSTDIC020

Tot Ion: 91 Resp: 255289

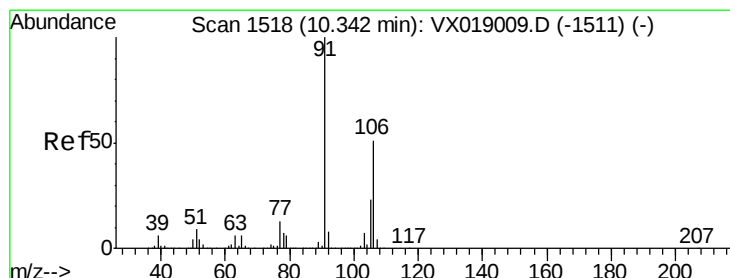
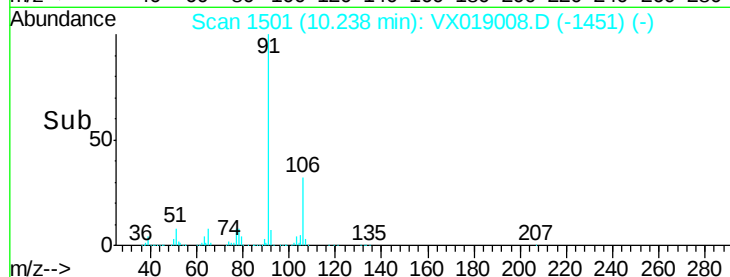
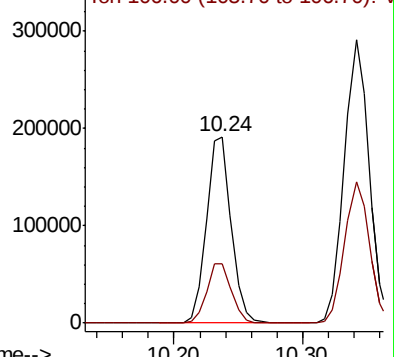
Ion Ratio Lower Upper

91 100

106 32.1 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VX019009.D (-1493) (-)



#68

m/p-Xylenes

Concen: 37.230 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019008.D

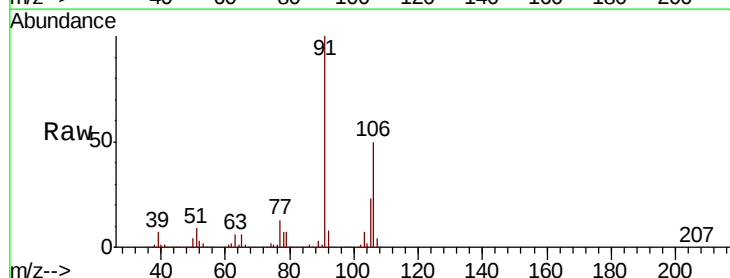
Acq: 21 Oct 2020 18:45

Tgt Ion: 106 Resp: 194845

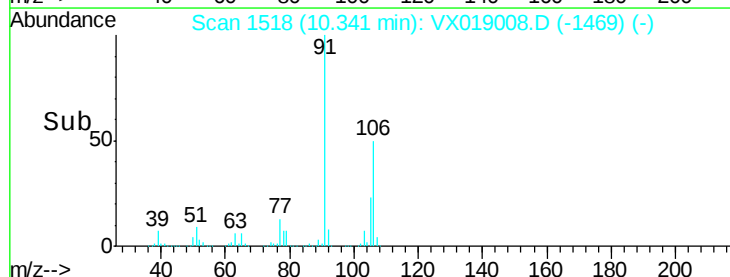
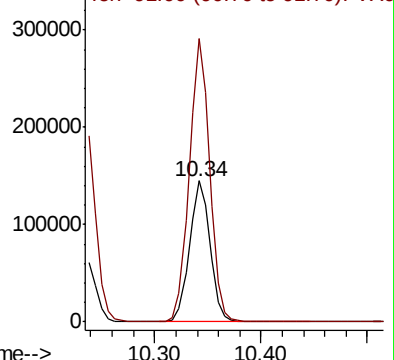
Ion Ratio Lower Upper

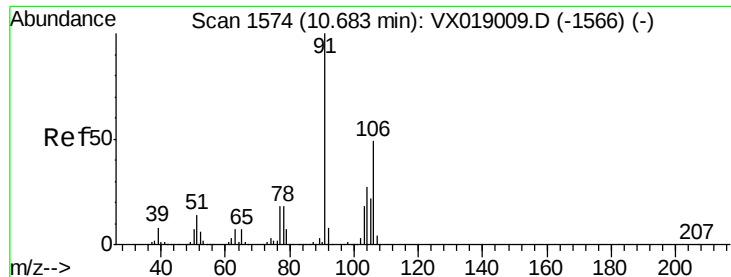
106 100

91 198.4 156.9 235.3



Abundance Ion 106.00 (105.70 to 106.70): VX019009.D (-1511) (-)

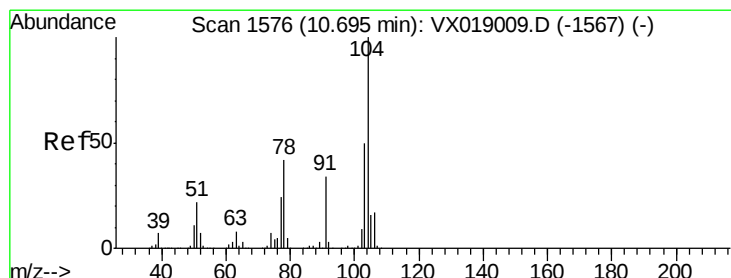
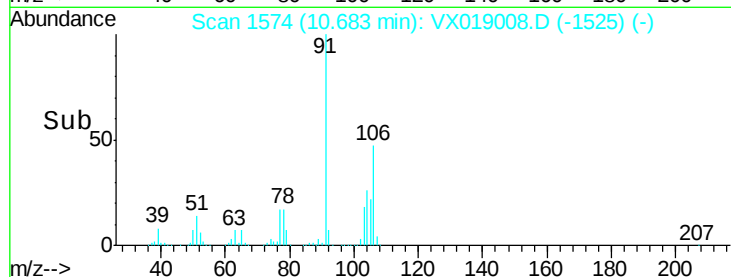
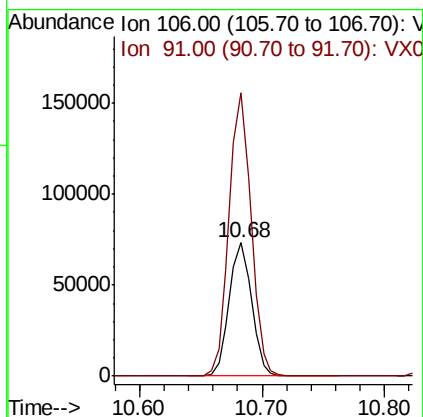
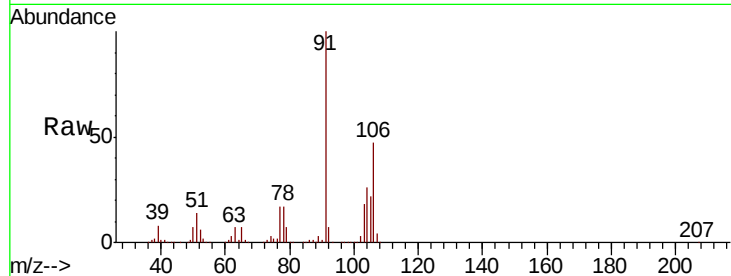




#69
o-Xylene
Concen: 18.563 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

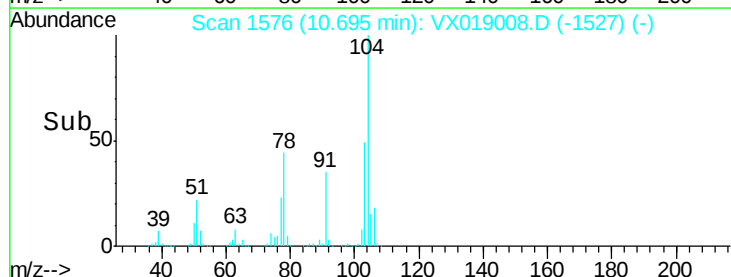
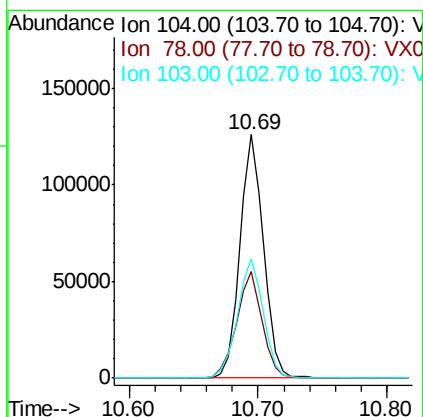
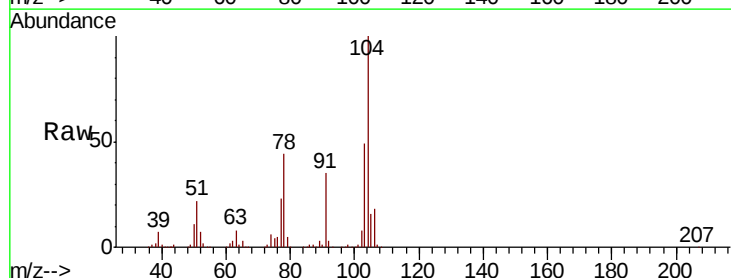
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

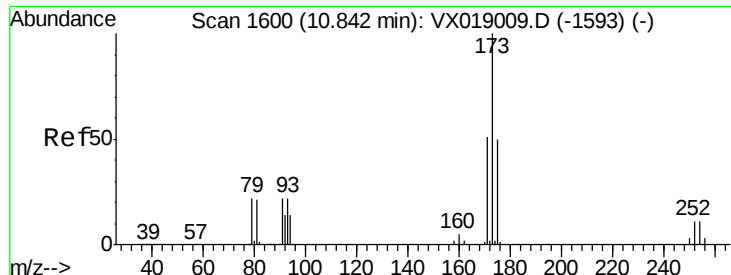
Tot Ion:106 Resp: 92980
Ion Ratio Lower Upper
106 100
91 209.0 104.0 312.0



#70
Styrene
Concen: 18.719 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Tgt Ion:104 Resp: 159188
Ion Ratio Lower Upper
104 100
78 47.9 37.7 56.5
103 54.1 43.5 65.3





#71

Bromoform

Concen: 18.382 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

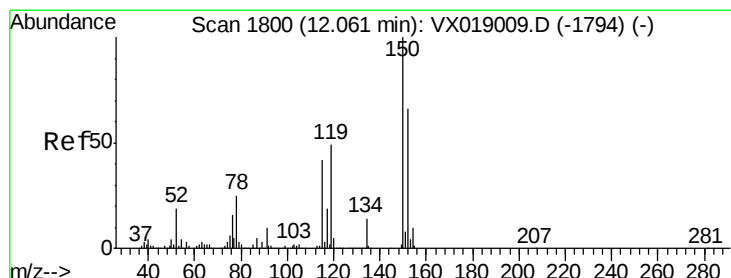
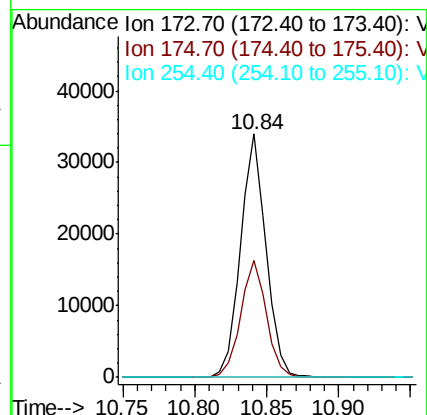
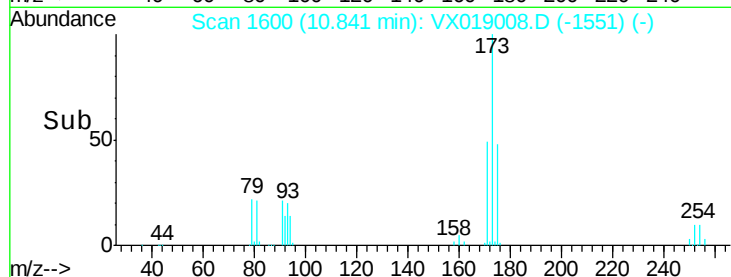
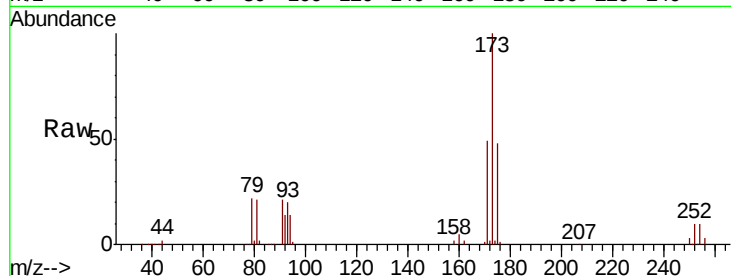
Tot Ion:173 Resp: 41816

Ion Ratio Lower Upper

173 100

175 48.5 24.1 72.4

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

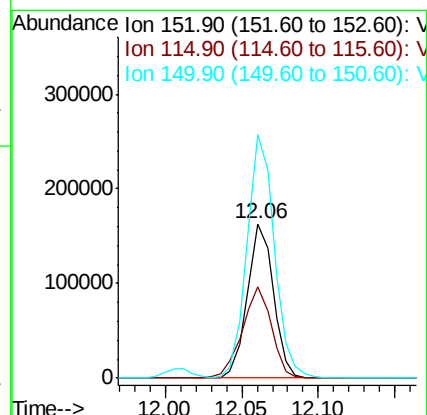
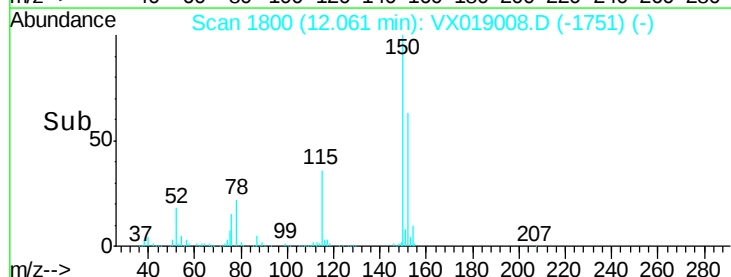
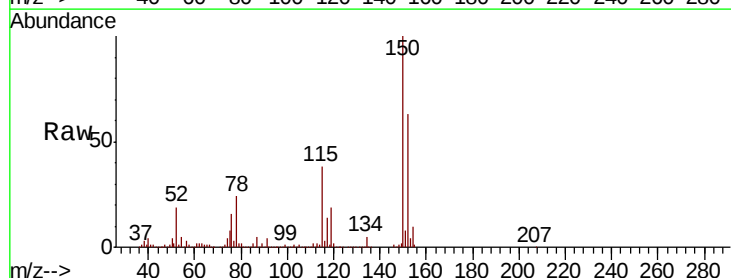
Tgt Ion:152 Resp: 193716

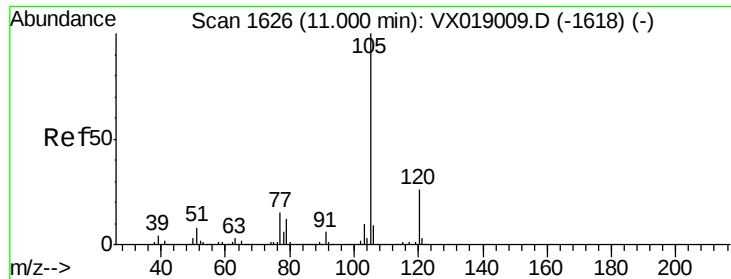
Ion Ratio Lower Upper

152 100

115 65.6 40.8 122.5

150 165.3 0.0 345.6

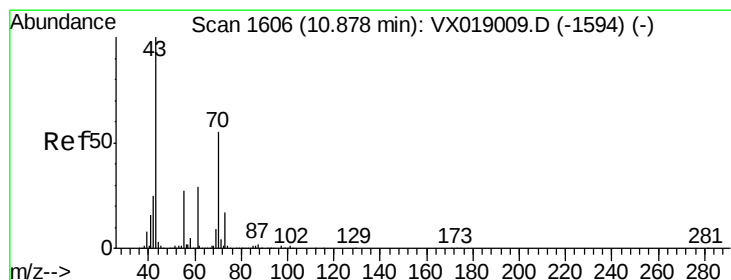
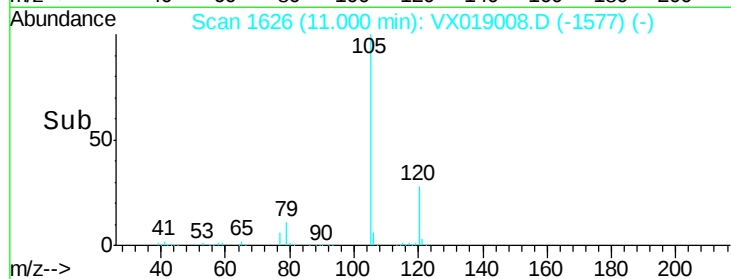
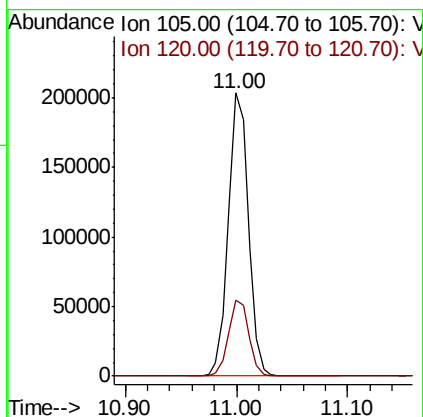
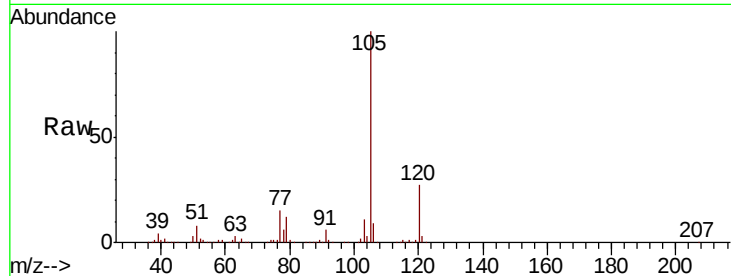




#73
Isopropylbenzene
Concen: 18.280 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

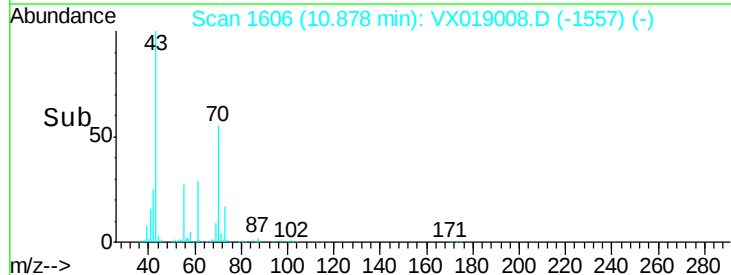
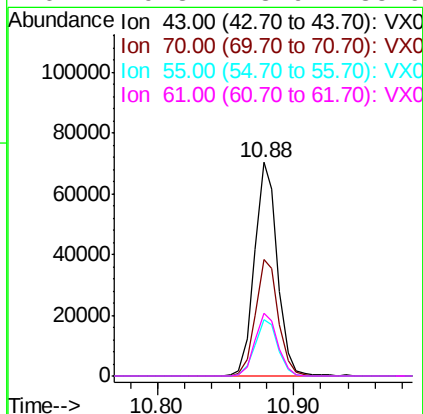
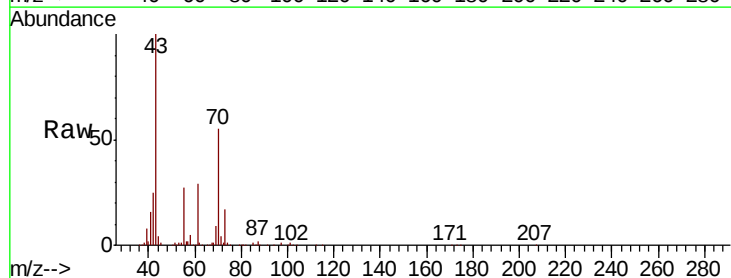
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

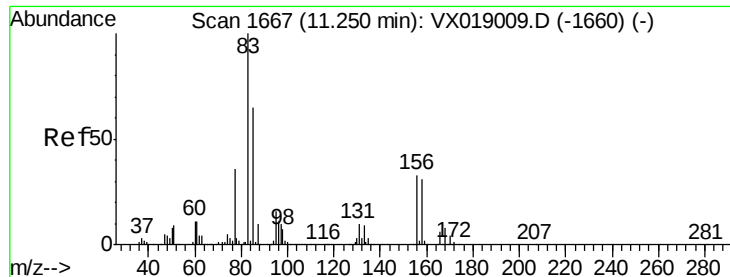
Tot Ion:105 Resp: 254744
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.1



#74
N-ethyl acetate
Concen: 18.529 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX019008.D
Acq: 21 Oct 2020 18:45

Tgt Ion: 43 Resp: 82730
Ion Ratio Lower Upper
43 100
70 54.9 44.5 66.7
55 27.1 21.9 32.9
61 29.3 23.9 35.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.076 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

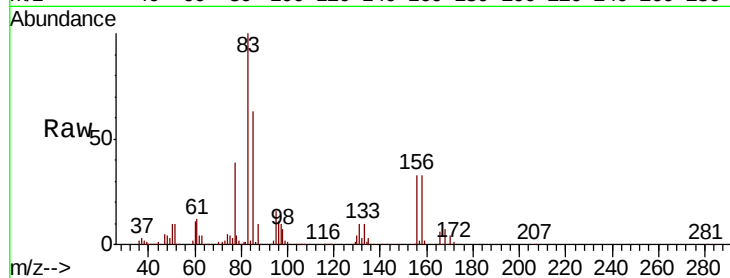
Tot Ion: 83 Resp: 80086

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.4

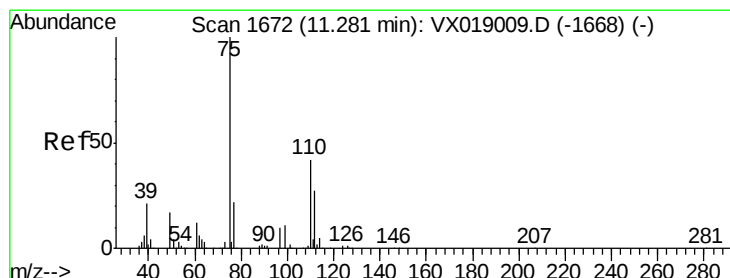
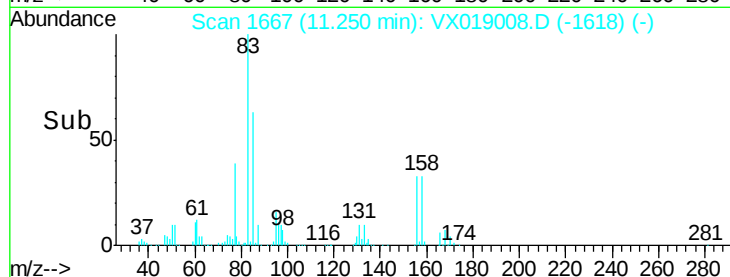
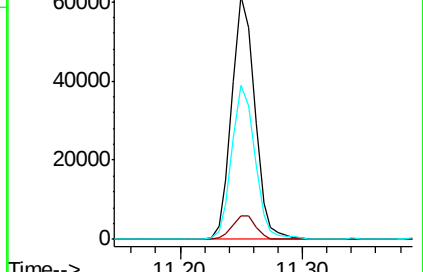
85 63.8 32.3 96.8



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: 24.413 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019008.D

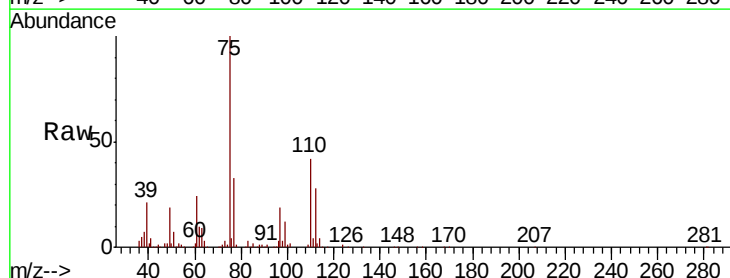
Acq: 21 Oct 2020 18:45

Tgt Ion: 75 Resp: 94524

Ion Ratio Lower Upper

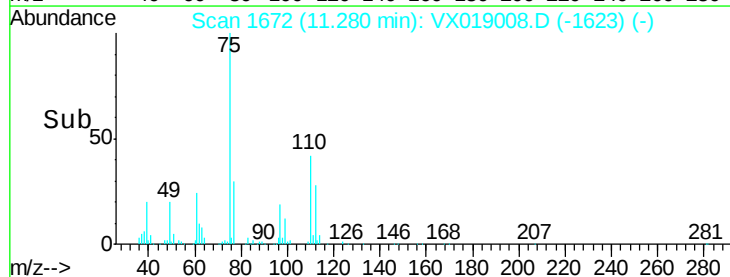
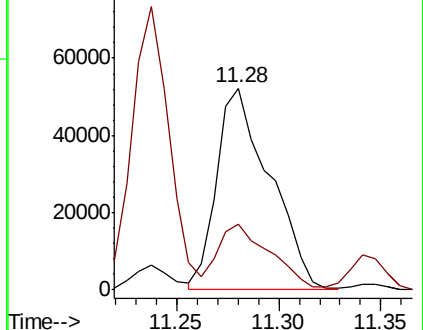
75 100

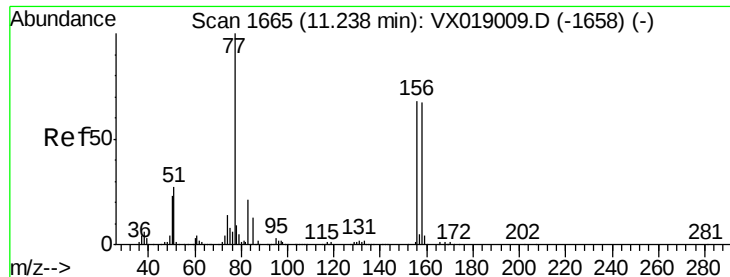
77 32.2 20.7 62.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.223 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

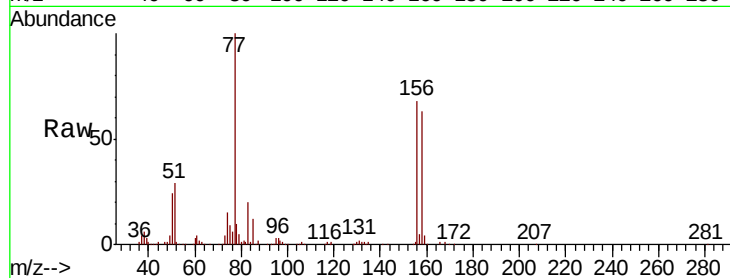
Tot Ion:156 Resp: 64134

Ion Ratio Lower Upper

156 100

77 145.7 74.4 223.1

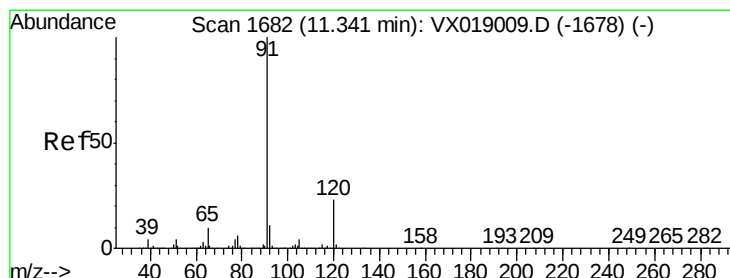
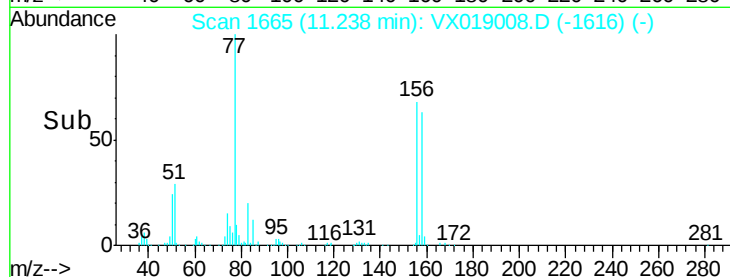
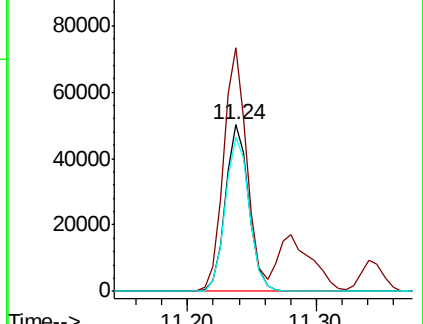
158 95.0 48.8 146.3



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: 18.026 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019008.D

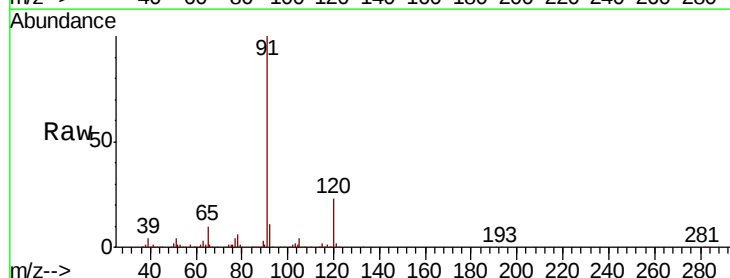
Acq: 21 Oct 2020 18:45

Tgt Ion: 91 Resp: 284641

Ion Ratio Lower Upper

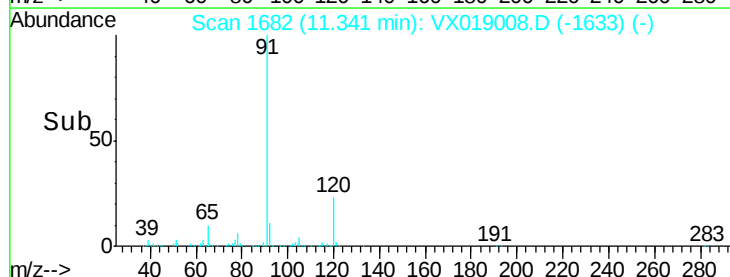
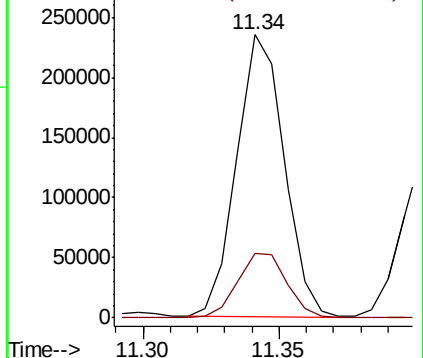
91 100

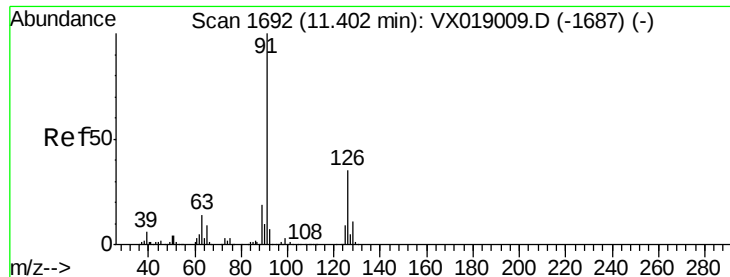
120 23.9 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.152 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

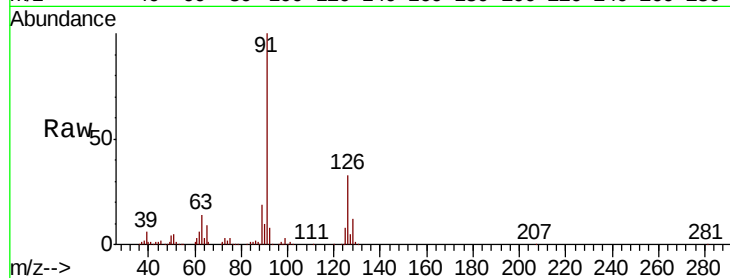
VSTDIC020

Tot Ion: 91 Resp: 167218

Ion Ratio Lower Upper

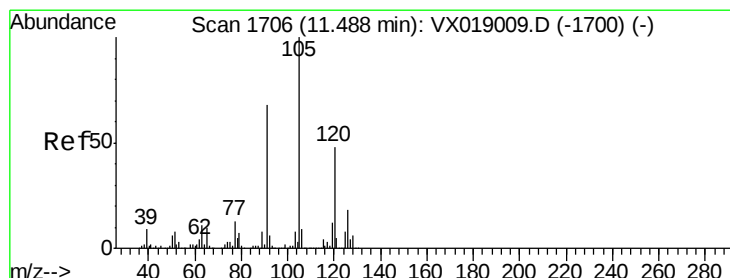
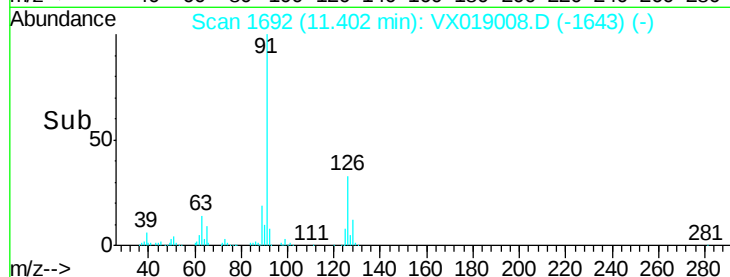
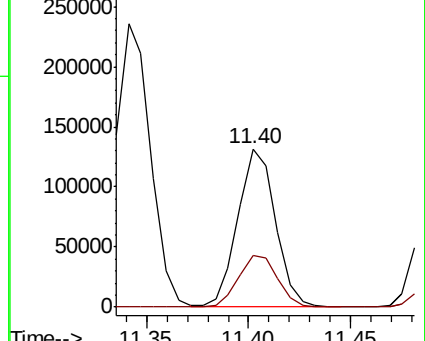
91 100

126 34.3 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.210 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019008.D

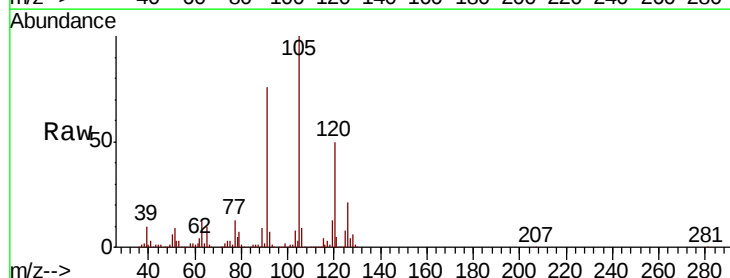
Acq: 21 Oct 2020 18:45

Tgt Ion:105 Resp: 209558

Ion Ratio Lower Upper

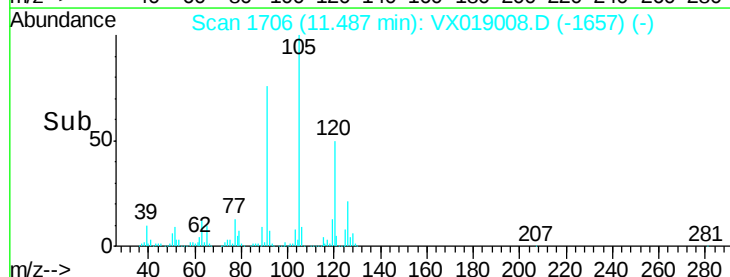
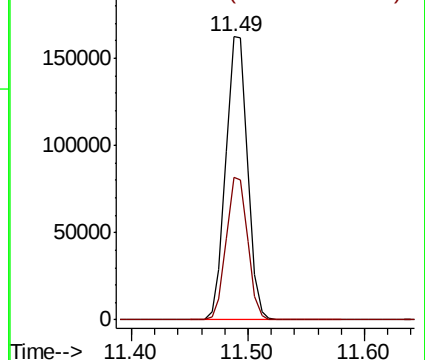
105 100

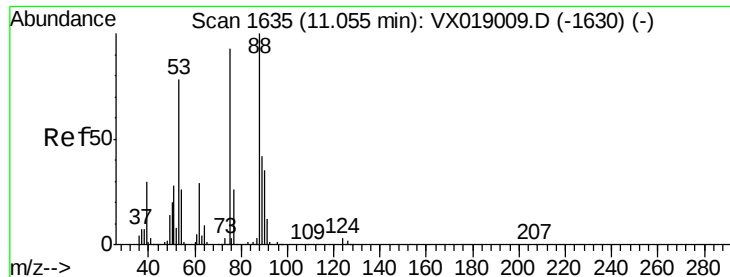
120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.742 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

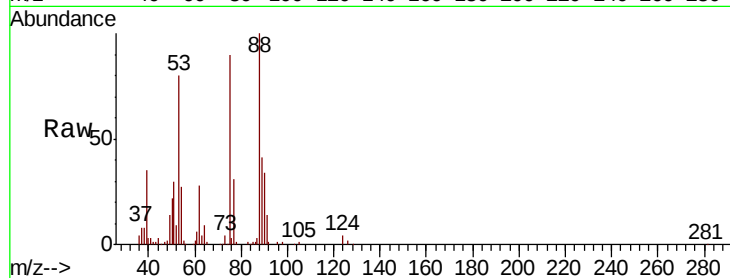
Tot Ion: 75 Resp: 26963

Ion Ratio Lower Upper

75 100

53 85.9 67.4 101.2

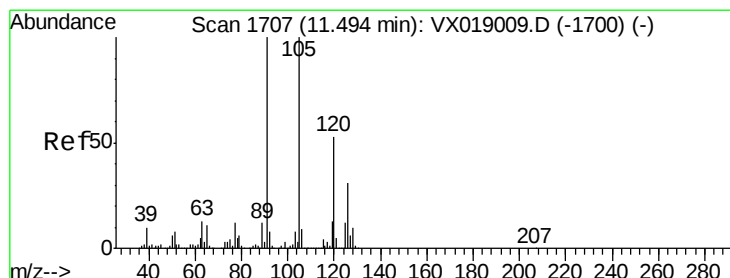
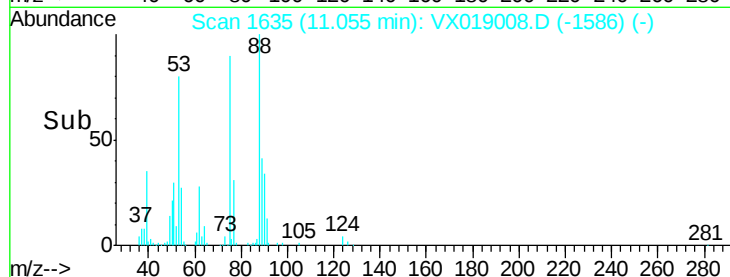
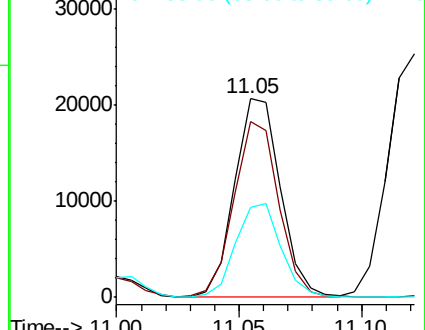
89 47.1 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.064 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019008.D

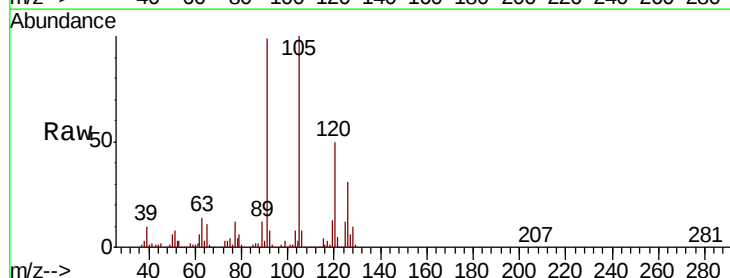
Acq: 21 Oct 2020 18:45

Tgt Ion: 91 Resp: 198006

Ion Ratio Lower Upper

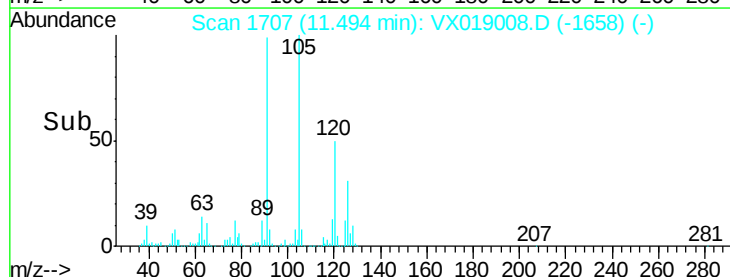
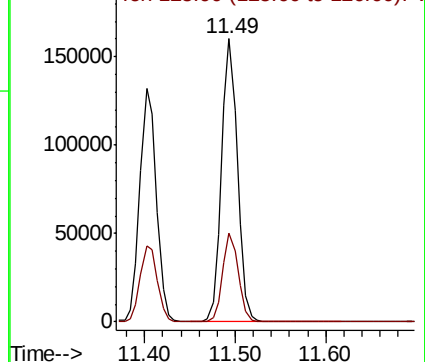
91 100

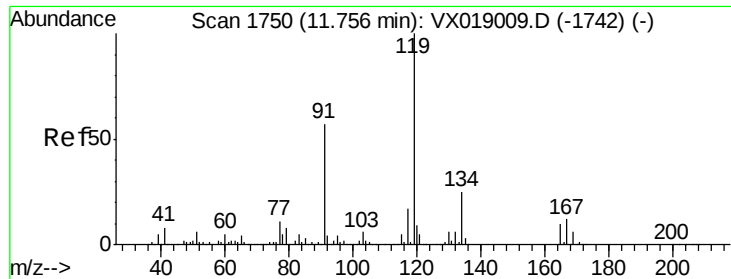
126 30.8 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.198 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

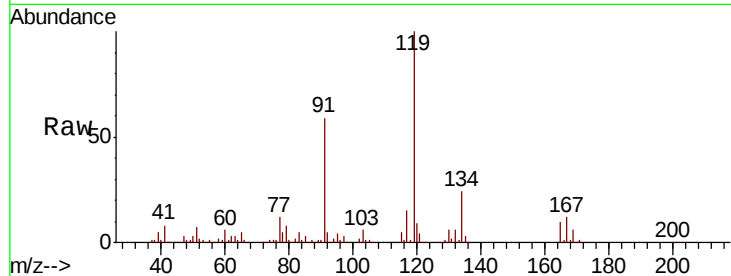
Tot Ion:119 Resp: 206298

Ion Ratio Lower Upper

119 100

91 56.2 28.1 84.4

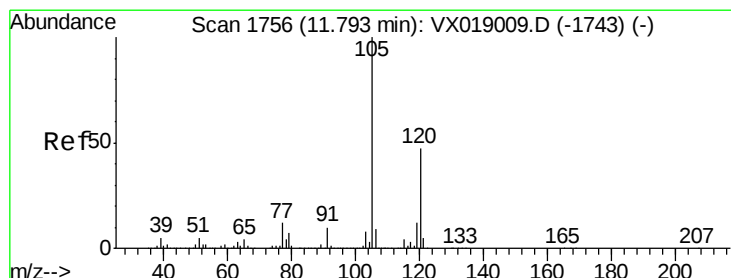
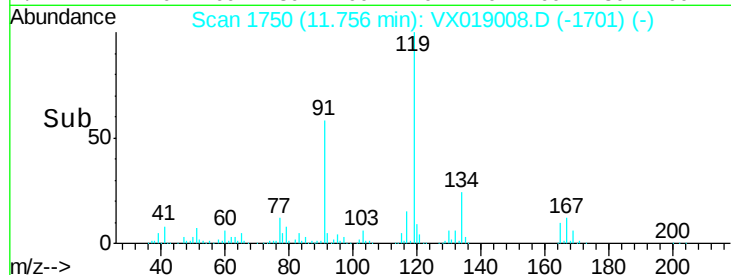
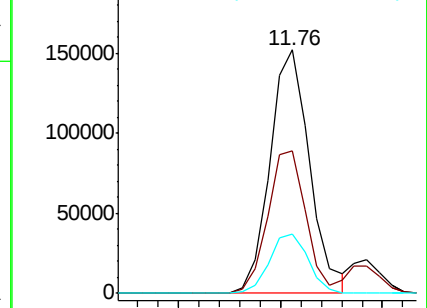
134 24.0 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.373 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019008.D

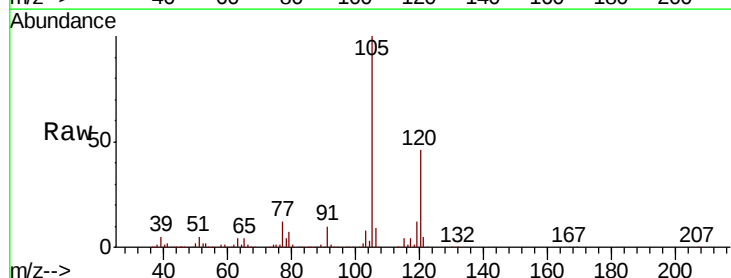
Acq: 21 Oct 2020 18:45

Tgt Ion:105 Resp: 211719

Ion Ratio Lower Upper

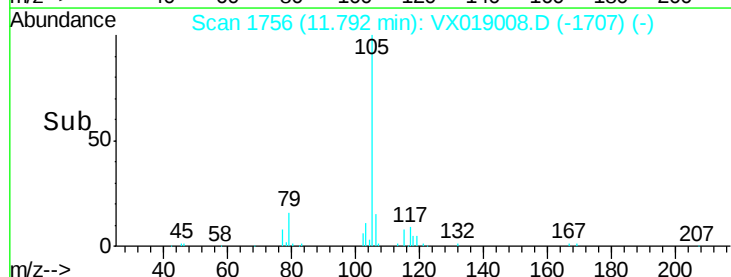
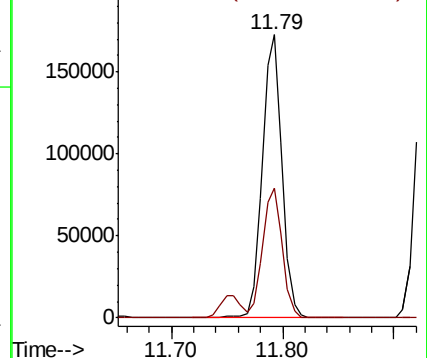
105 100

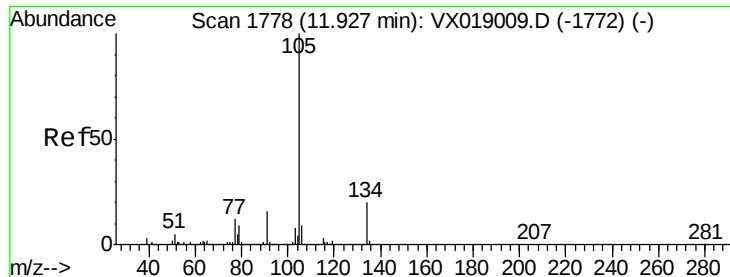
120 46.1 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.217 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

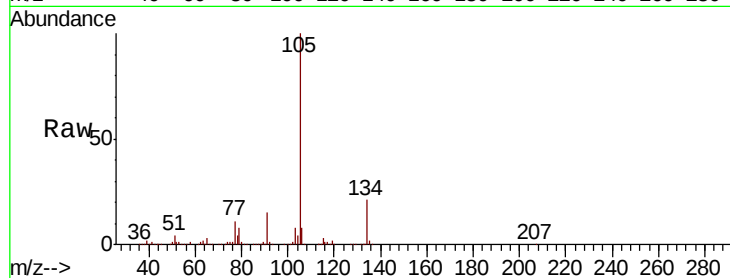
VSTDIC020

Tot Ion:105 Resp: 249909

Ion Ratio Lower Upper

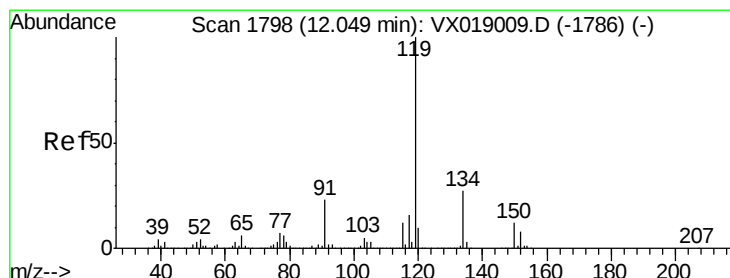
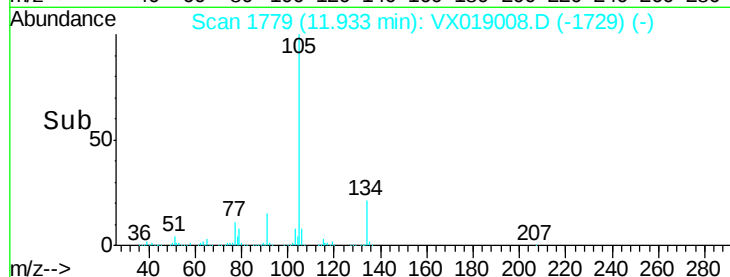
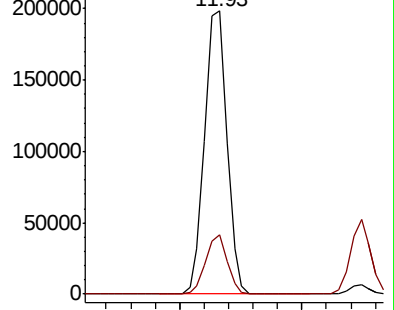
105 100

134 20.1 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.125 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

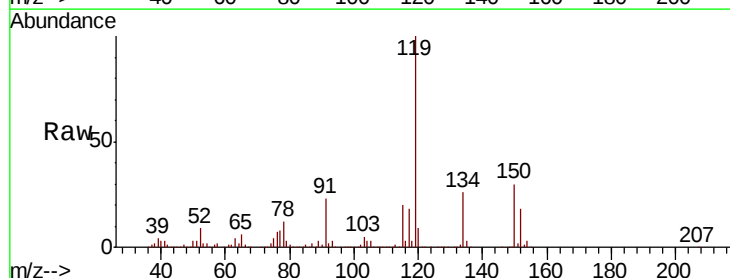
Tgt Ion:119 Resp: 227189

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

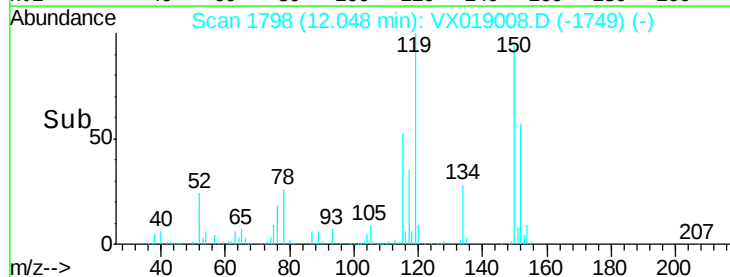
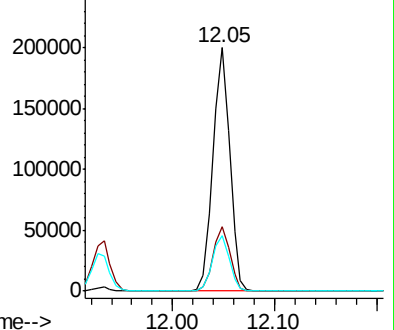
91 23.2 11.4 34.2

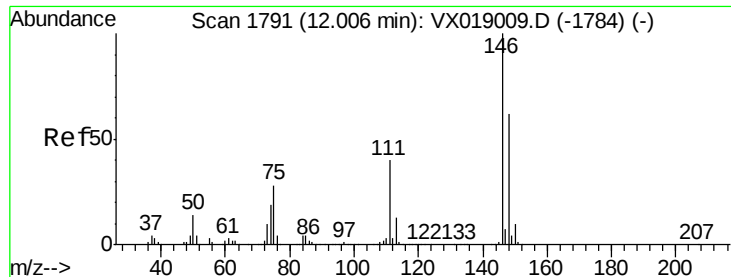


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.011 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

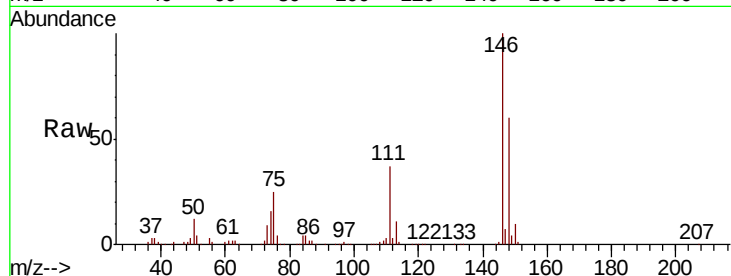
Tot Ion:146 Resp: 116280

Ion Ratio Lower Upper

146 100

111 39.0 19.7 59.1

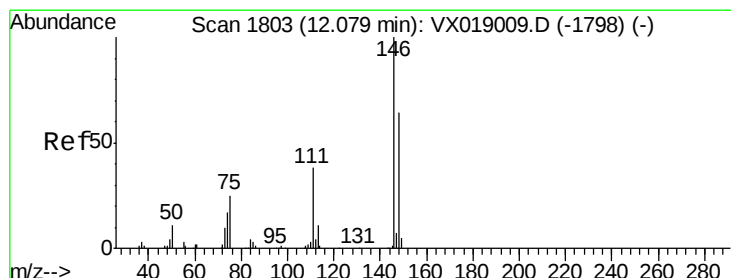
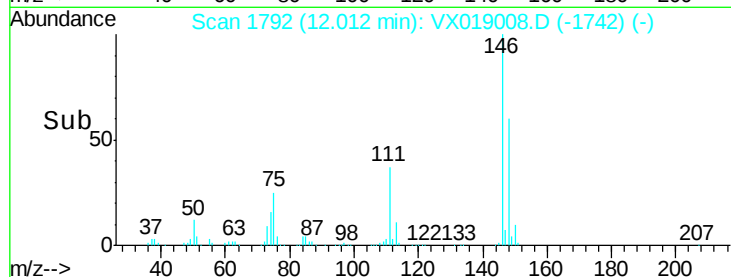
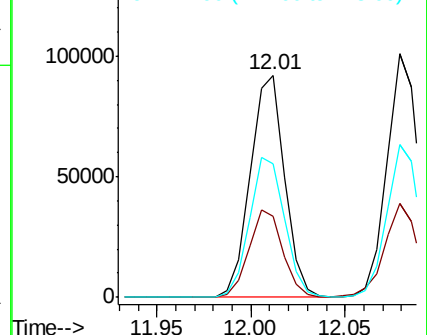
148 64.2 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 17.983 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

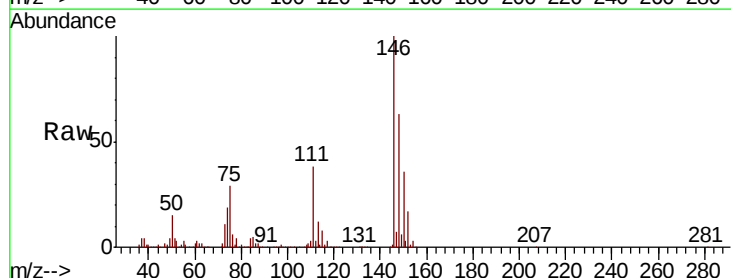
Tgt Ion:146 Resp: 119142

Ion Ratio Lower Upper

146 100

111 39.5 19.4 58.2

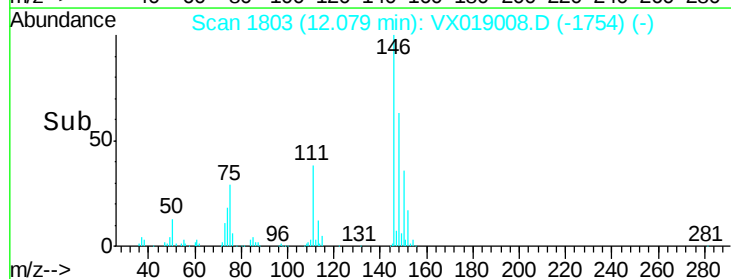
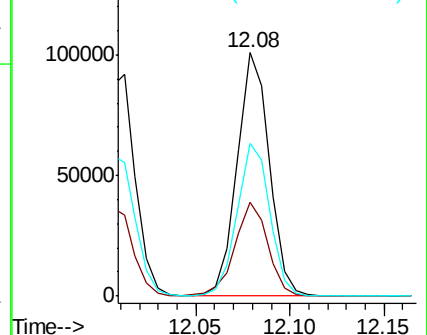
148 64.5 32.2 96.6

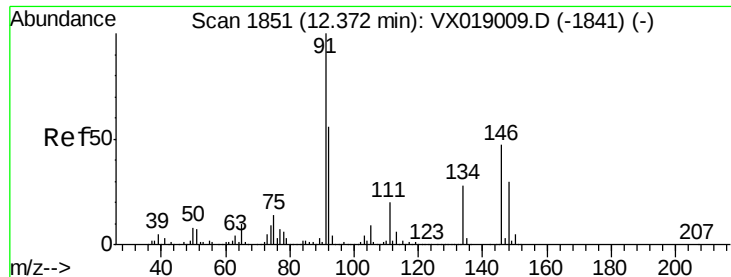


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.066 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

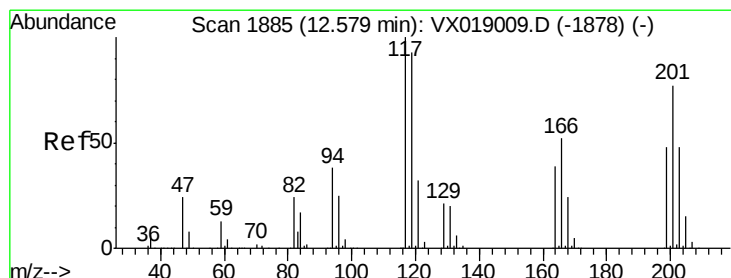
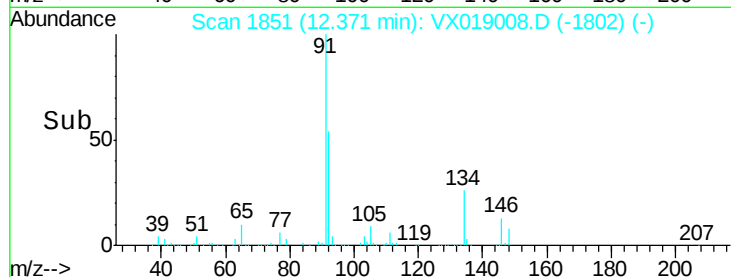
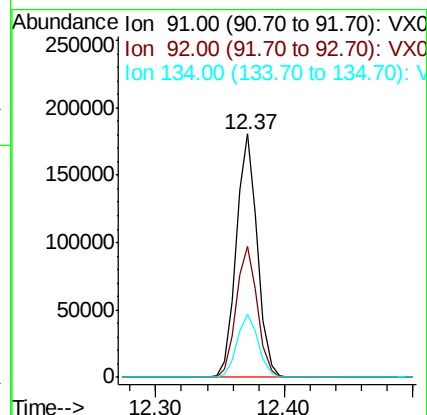
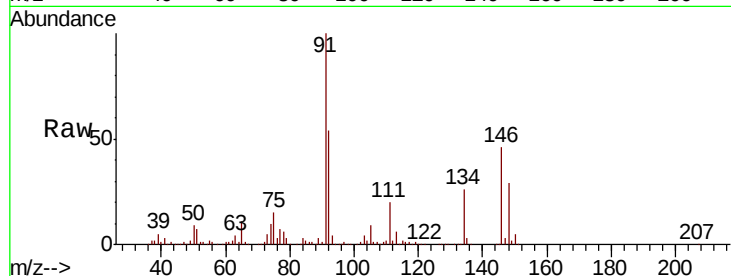
Tot Ion: 91 Resp: 207276

Ion Ratio Lower Upper

91 100

92 54.1 27.3 81.9

134 26.3 13.6 40.7



#90

Hexachloroethane

Concen: 18.326 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX019008.D

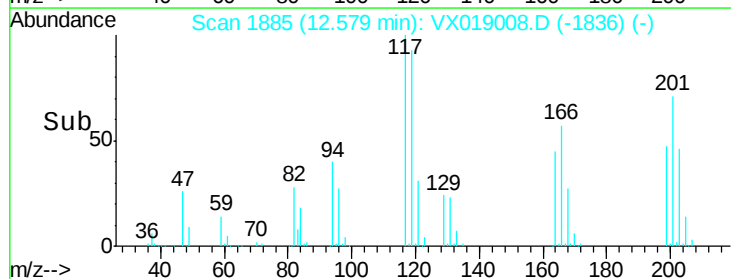
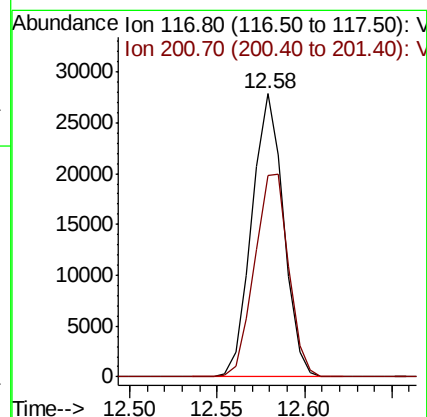
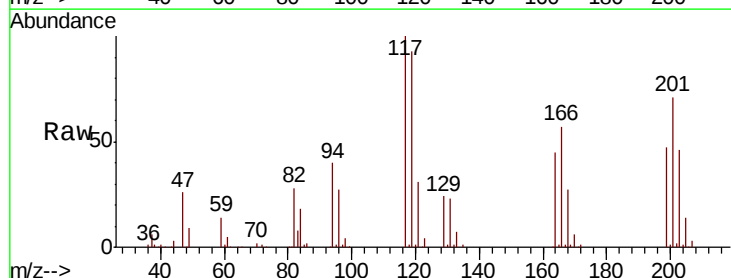
Acq: 21 Oct 2020 18:45

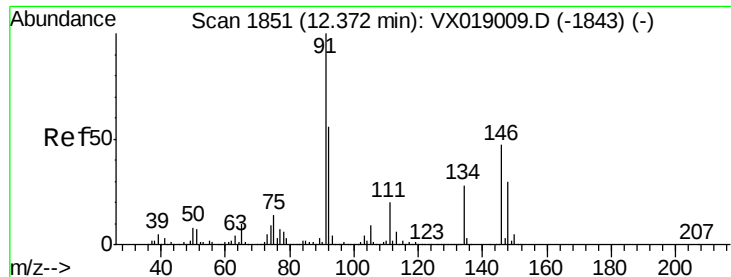
Tgt Ion: 117 Resp: 35166

Ion Ratio Lower Upper

117 100

201 76.8 37.1 111.3

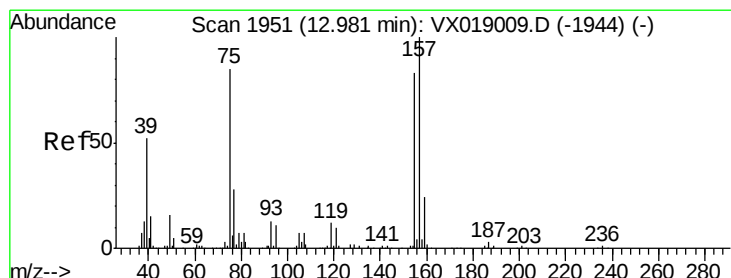
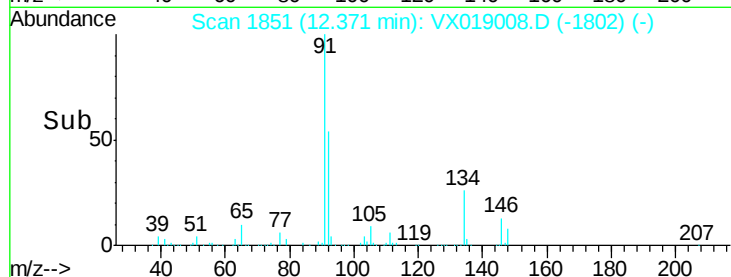
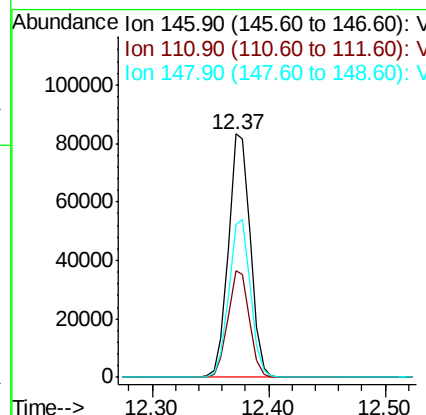
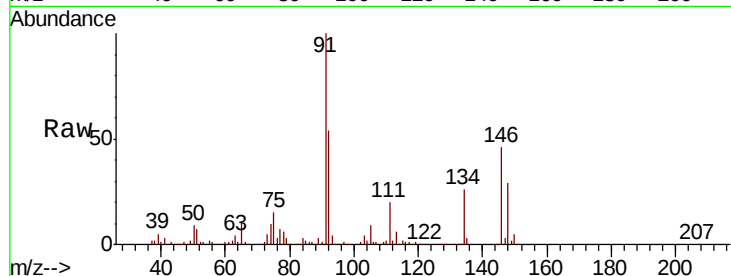




#91
 1,2-Dichlorobenzene
 Concen: 17.986 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

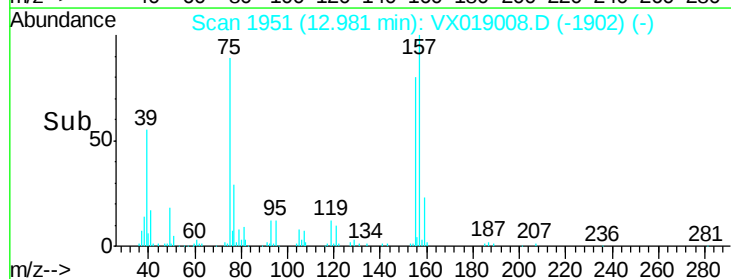
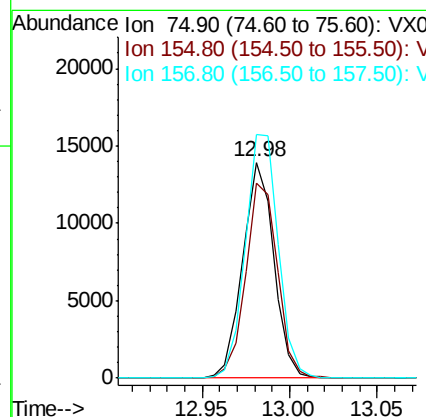
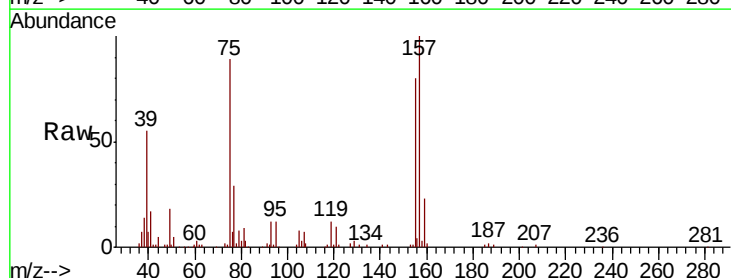
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

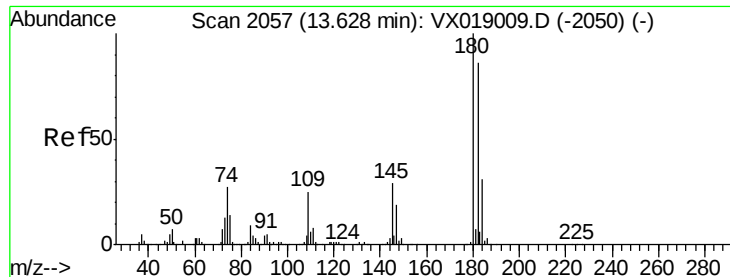
Tot Ion:146 Resp: 108265
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.9 59.7
 148 64.1 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.106 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Tgt Ion: 75 Resp: 17308
 Ion Ratio Lower Upper
 75 100
 155 92.0 47.3 142.0
 157 119.0 59.7 179.0

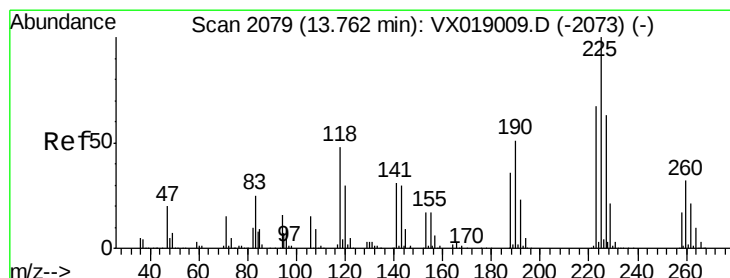
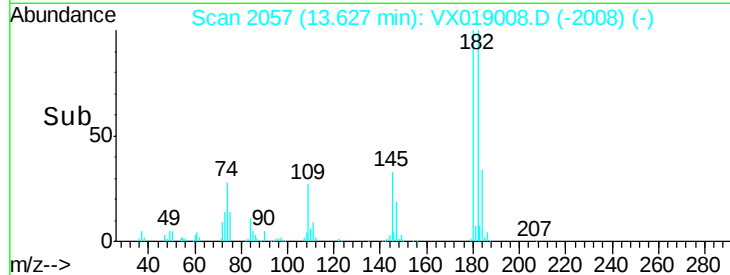
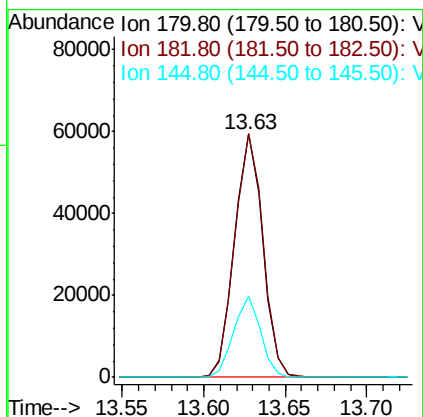
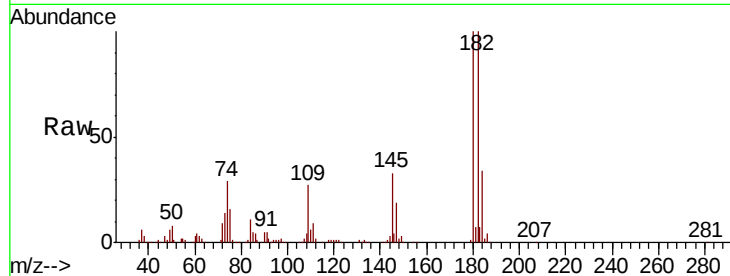




#93
 1,2,4-Trichlorobenzene
 Concen: 16.304 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

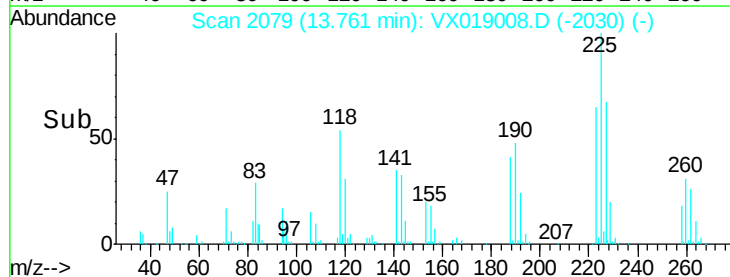
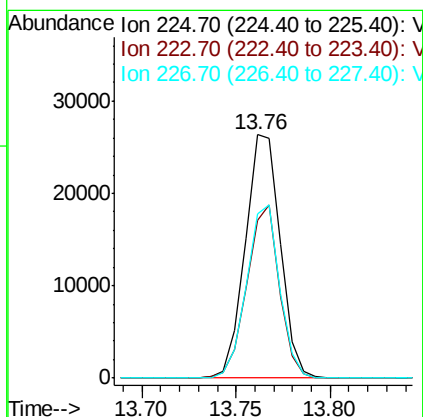
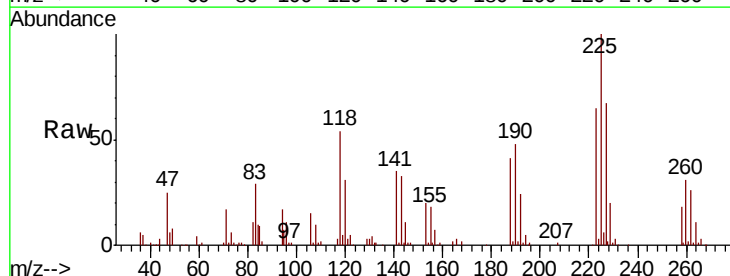
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

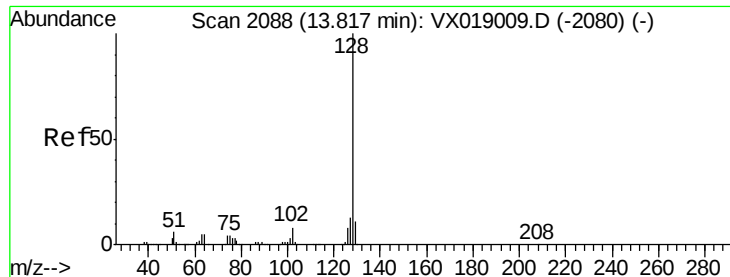
Tot Ion	Ratio	Lower	Upper
180	100		
182	100.4	46.4	139.2
145	31.9	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 16.667 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VX019008.D
 Acq: 21 Oct 2020 18:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	32.5	97.4
227	67.1	31.9	95.7





#95

Naphthalene

Concen: 17.853 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

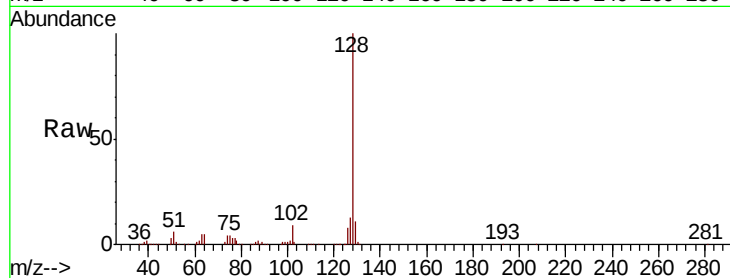
Tot Ion:128 Resp: 247369

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

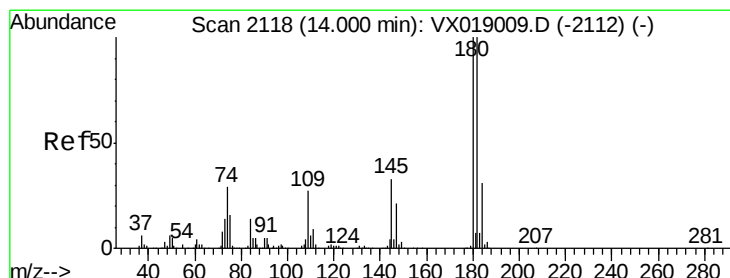
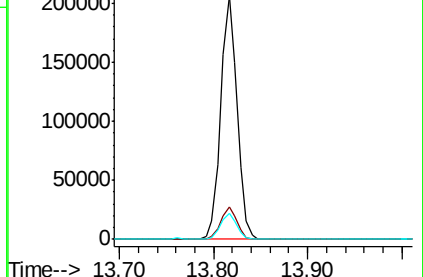
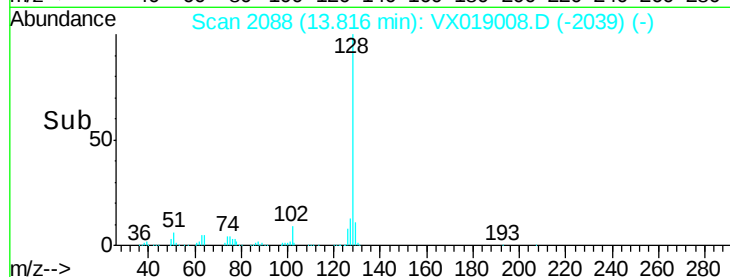
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.312 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019008.D

Acq: 21 Oct 2020 18:45

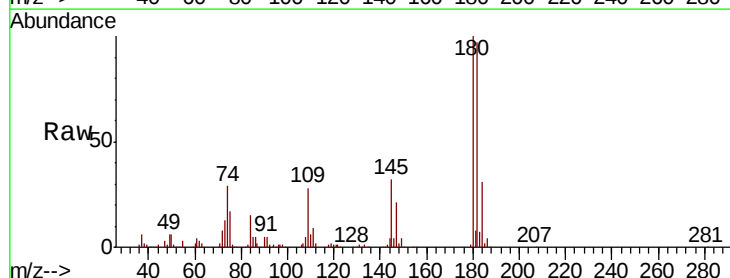
Tgt Ion:180 Resp: 74208

Ion Ratio Lower Upper

180 100

182 95.1 47.3 142.0

145 31.4 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

