

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060320\
 Data File : VX016571.D
 Acq On : 03 Jun 2020 17:06
 Operator : JC/SP
 Sample : L2867-09MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Quant Time: Jun 04 08:26:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	237586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	378467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	357433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	183542	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	150679	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	5.47	113	118528	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	8.70	98	466322	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.12	95	180009	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	113016	48.337	ug/l	97
3) Chloromethane	1.31	50	129637	45.881	ug/l	99
4) Vinyl Chloride	1.39	62	148418	49.670	ug/l	98
5) Bromomethane	1.62	94	60619	41.724	ug/l	99
6) Chloroethane	1.70	64	90207	51.753	ug/l	96
7) Trichlorofluoromethane	1.91	101	204330	52.070	ug/l	100
8) Diethyl Ether	2.17	74	82669	50.522	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	104462	48.368	ug/l	99
10) Methyl Iodide	2.49	142	83626	33.484	ug/l	100
11) Tert butyl alcohol	3.02	59	188451	249.075	ug/l	100
12) 1,1-Dichloroethene	2.36	96	114187	49.949	ug/l	98
13) Acrolein	2.27	56	93378	290.130	ug/l	97
14) Allyl chloride	2.70	41	207481	49.350	ug/l	98
15) Acrylonitrile	3.12	53	407688	263.050	ug/l	99
16) Acetone	2.42	43	337772	261.295	ug/l	99
17) Carbon Disulfide	2.55	76	328686	48.416	ug/l	99
18) Methyl Acetate	2.75	43	170251	51.350	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	438655	53.435	ug/l	97
20) Methylene Chloride	2.83	84	134538	50.304	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	129302	51.134	ug/l	96
22) Diisopropyl ether	3.82	45	398328	49.319	ug/l	99
23) Vinyl Acetate	3.79	43	1775551	251.160	ug/l	98
24) 1,1-Dichloroethane	3.67	63	234684	51.483	ug/l	100
25) 2-Butanone	4.64	43	560500	255.889	ug/l	97
26) 2,2-Dichloropropane	4.55	77	195338	52.368	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	154161	52.698	ug/l	99
28) Bromochloromethane	4.98	49	98541	46.518	ug/l	93
29) Tetrahydrofuran	5.09	42	359296	253.900	ug/l	96
30) Chloroform	5.18	83	241739	52.630	ug/l	98
31) Cyclohexane	5.55	56	188305	45.917	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	219822	52.862	ug/l	99
36) 1,1-Dichloropropene	5.77	75	176895	49.366	ug/l	98
37) Ethyl Acetate	4.79	43	237469	55.198	ug/l	98
38) Carbon Tetrachloride	5.76	117	194790	51.727	ug/l	100

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Quant Time: Jun 04 08:26:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	182893	46.990	ug/l	98
40) Benzene	6.12	78	541752	50.768	ug/l	99
41) Methacrylonitrile	5.01	41	113392	47.984	ug/l	98
42) 1,2-Dichloroethane	6.17	62	191024	50.337	ug/l	100
43) Isopropyl Acetate	6.41	43	323219	48.166	ug/l	98
44) Trichloroethene	7.19	130	160361	47.364	ug/l	95
45) 1,2-Dichloropropane	7.49	63	134466	49.497	ug/l	98
46) Dibromomethane	7.64	93	93002	50.969	ug/l	98
47) Bromodichloromethane	7.88	83	196720	52.068	ug/l	100
48) Methyl methacrylate	7.74	41	157035	48.875	ug/l	97
49) 1,4-Dioxane	7.71	88	71268	947.805	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1058807	253.400	ug/l	98
52) Toluene	8.77	92	346018	51.421	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	223419	52.005	ug/l	100
54) cis-1,3-Dichloropropene	8.41	75	231867	50.990	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	139155	52.011	ug/l	98
56) Ethyl methacrylate	9.16	69	227424	52.193	ug/l	97
57) 1,3-Dichloropropane	9.35	76	236687	51.539	ug/l	99
59) 2-Hexanone	9.48	43	829601	255.312	ug/l	98
60) Dibromochloromethane	9.57	129	160702	53.373	ug/l	99
61) 1,2-Dibromoethane	9.65	107	150207	52.427	ug/l	100
64) Tetrachloroethene	9.32	164	170671	42.679	ug/l	98
65) Chlorobenzene	10.12	112	370353	50.823	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	146498	52.666	ug/l	99
67) Ethyl Benzene	10.24	91	655683	50.538	ug/l	99
68) m/p-Xylenes	10.34	106	501766	104.308	ug/l	99
69) o-Xylene	10.68	106	238214	51.133	ug/l	99
70) Stvrene	10.70	104	420191	52.474	ug/l	100
71) Bromoform	10.84	173	127038	54.038	ug/l #	99
73) Isopropylbenzene	11.01	105	634424	49.887	ug/l	99
74) N-amyl acetate	10.88	43	276729	47.307	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	187409	58.800	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	268682	66.599	ug/l	83
77) Bromobenzene	11.24	156	167083	50.092	ug/l	97
78) n-propylbenzene	11.34	91	720357	50.701	ug/l	99
79) 2-Chlorotoluene	11.40	91	437114	50.402	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	548820	51.684	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	80040	48.803	ug/l	99
82) 4-Chlorotoluene	11.49	91	512925	50.084	ug/l	100
83) tert-Butylbenzene	11.76	119	500114	55.120	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	551614	51.366	ug/l	99
85) sec-Butylbenzene	11.93	105	605580	53.205	ug/l	100
86) p-Isopropyltoluene	12.05	119	563284	52.831	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	293549	50.798	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	297797	50.388	ug/l	99
89) n-Butylbenzene	12.37	91	469971	52.920	ug/l	99
90) Hexachloroethane	12.58	117	97842	53.128	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	282892	50.529	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	51290	49.682	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	205785	55.344	ug/l	99

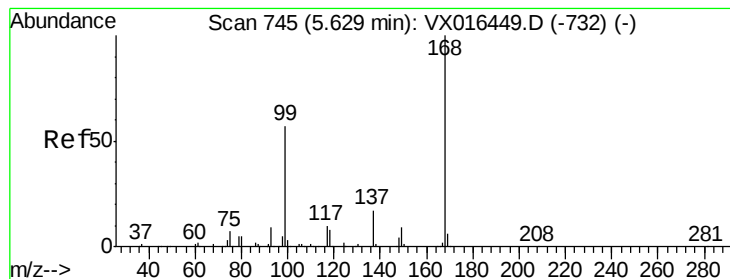
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060320\
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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	83409	57.134	ug/l	98
95) Naphthalene	13.82	128	669147	52.496	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	200492	55.038	ug/l	98

(#) = 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: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

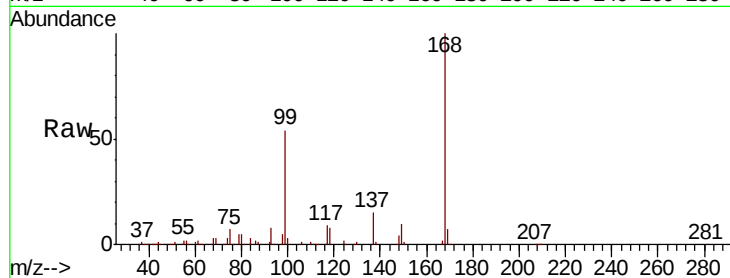
SP20-MMW3414MS

Tot Ion:168 Resp: 237586

Ion Ratio Lower Upper

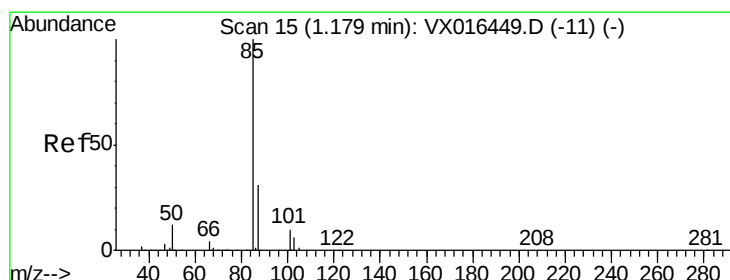
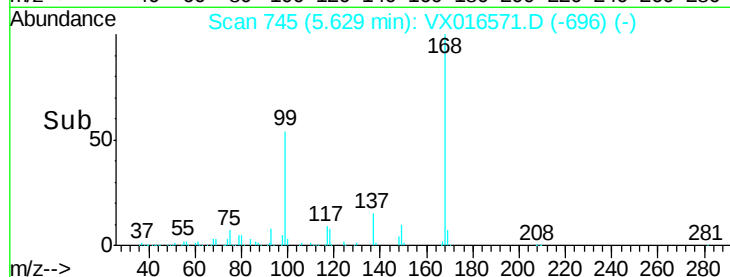
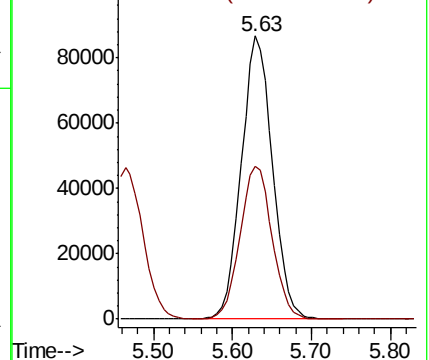
168 100

99 53.7 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.337 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.01 min

Lab File: VX016571.D

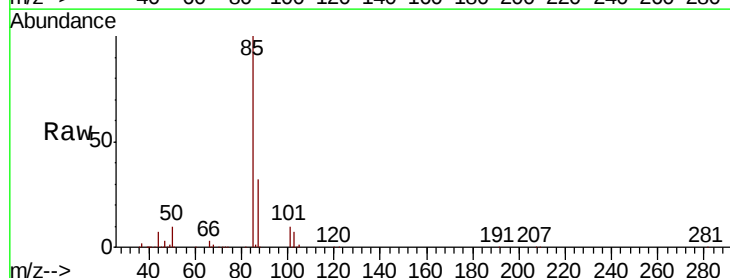
Acq: 03 Jun 2020 17:06

Tgt Ion: 85 Resp: 113016

Ion Ratio Lower Upper

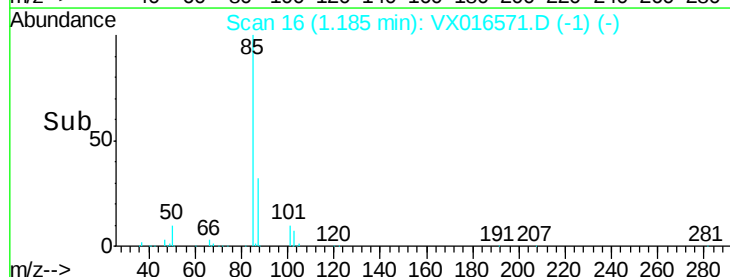
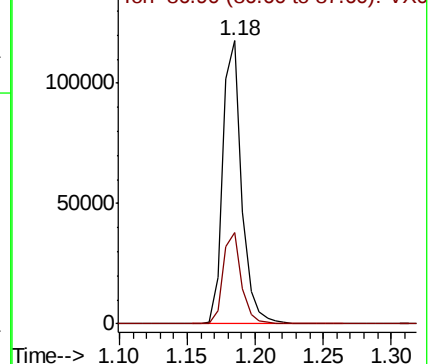
85 100

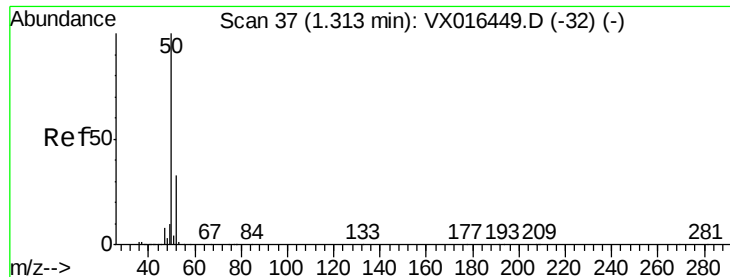
87 32.2 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.881 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

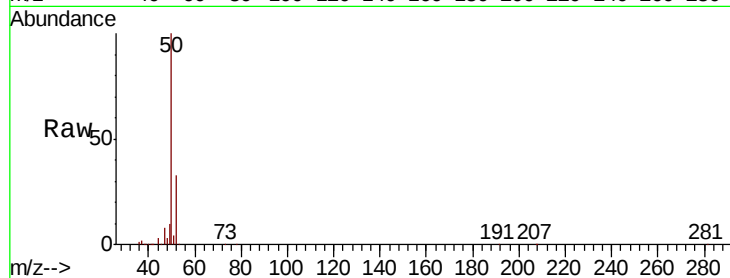
SP20-MMW3414MS

Tot Ion: 50 Resp: 129637

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

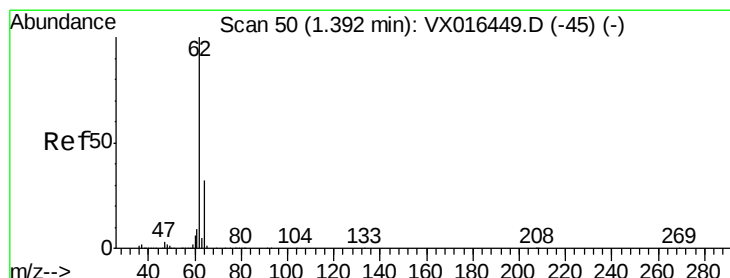
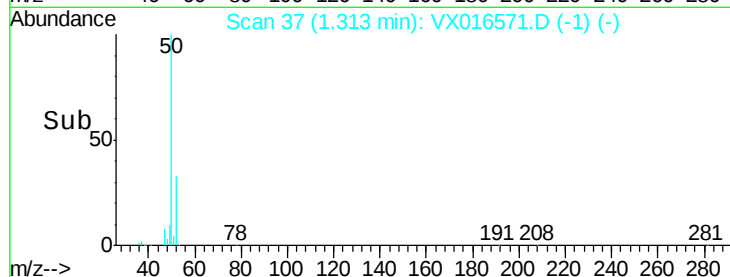
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.670 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016571.D

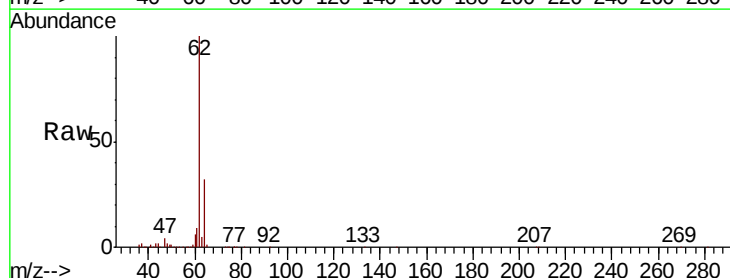
Acq: 03 Jun 2020 17:06

Tgt Ion: 62 Resp: 148418

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

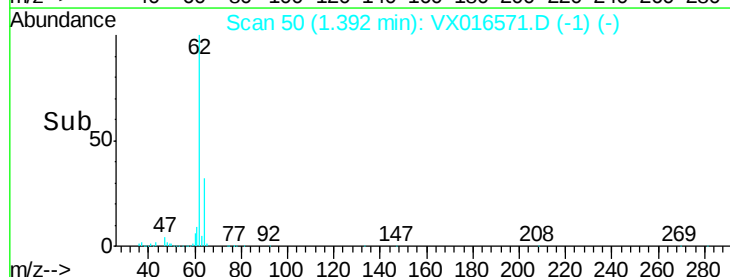
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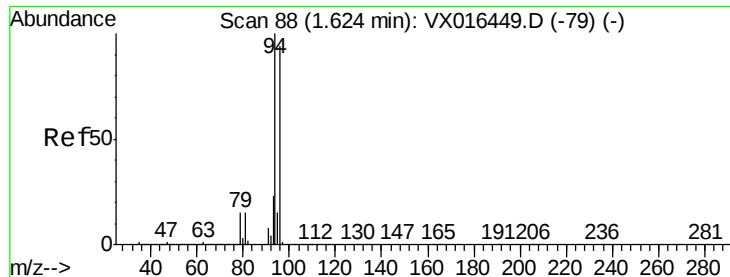
100000

50000

0

Time-->





#5

Bromomethane

Concen: 41.724 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

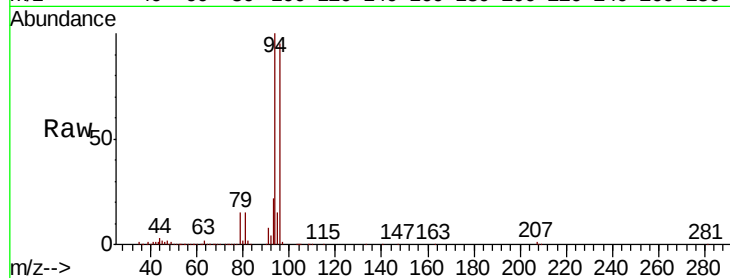
SP20-MMW3414MS

Tot Ion: 94 Resp: 60619

Ion Ratio Lower Upper

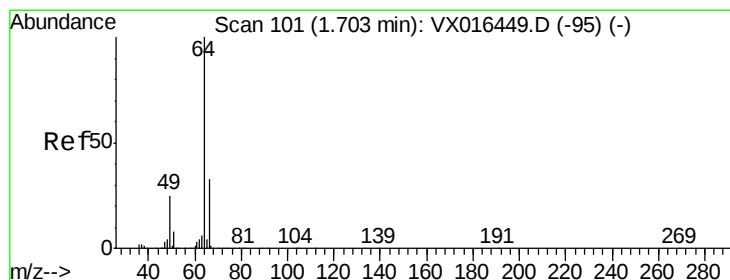
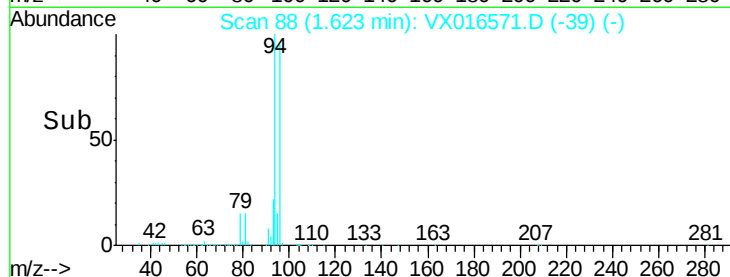
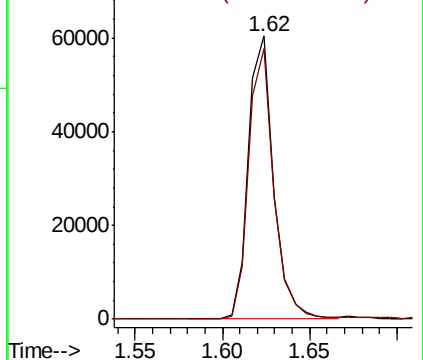
94 100

96 95.3 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.753 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016571.D

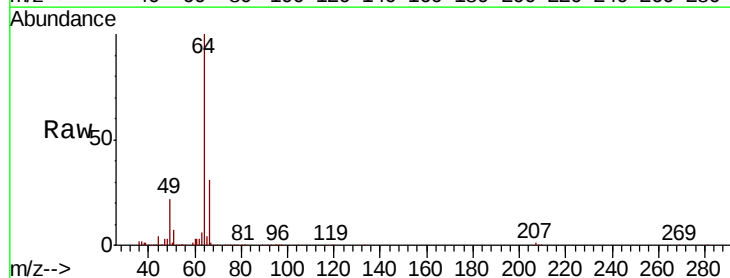
Acq: 03 Jun 2020 17:06

Tgt Ion: 64 Resp: 90207

Ion Ratio Lower Upper

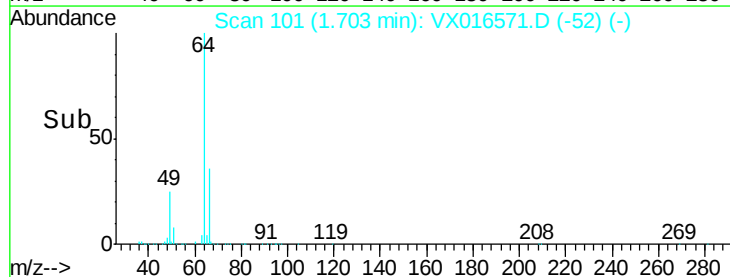
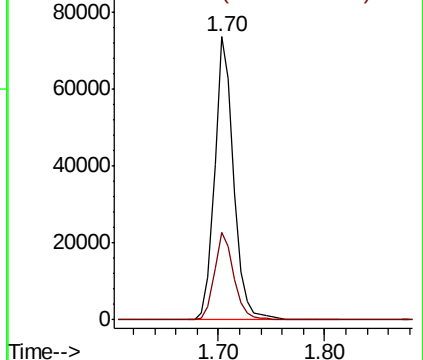
64 100

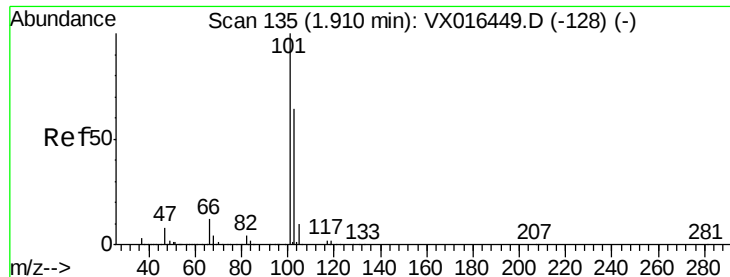
66 31.0 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



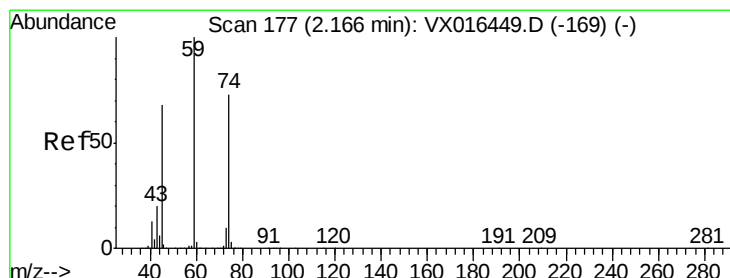
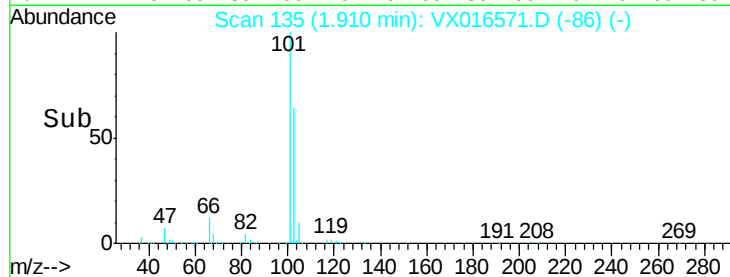
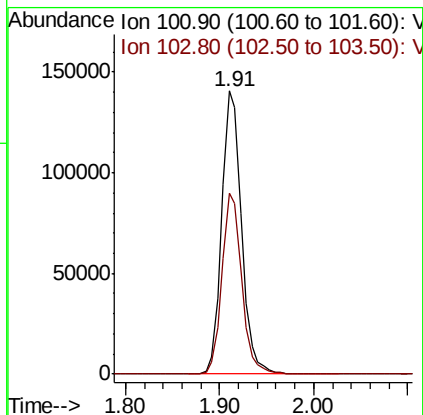
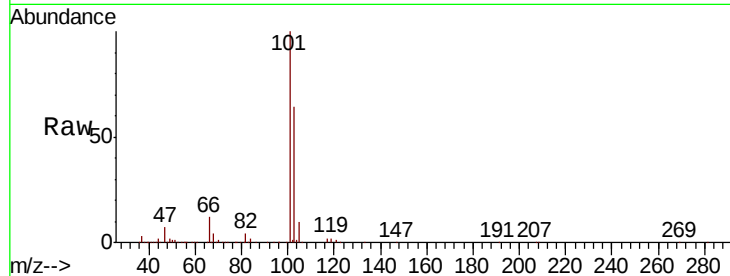


#7

Trichlorofluoromethane
Concen: 52.070 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
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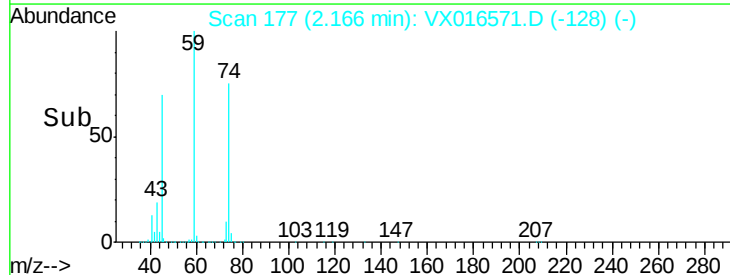
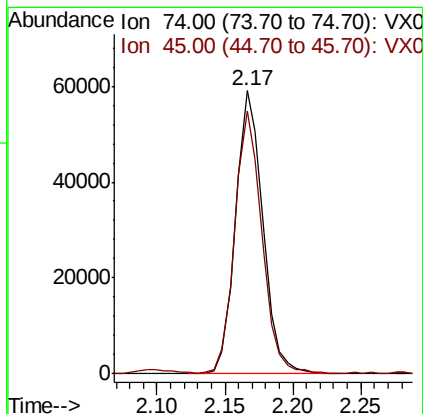
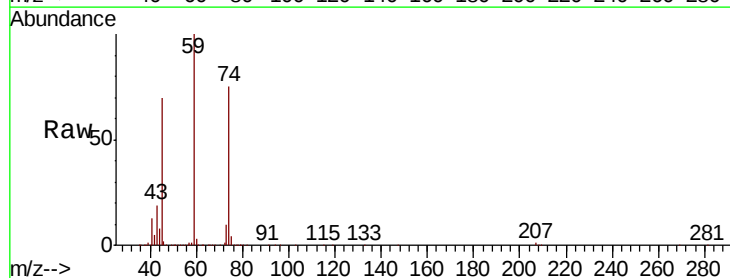
Tot Ion:101 Resp: 204330
Ion Ratio Lower Upper
101 100
103 63.8 50.9 76.3

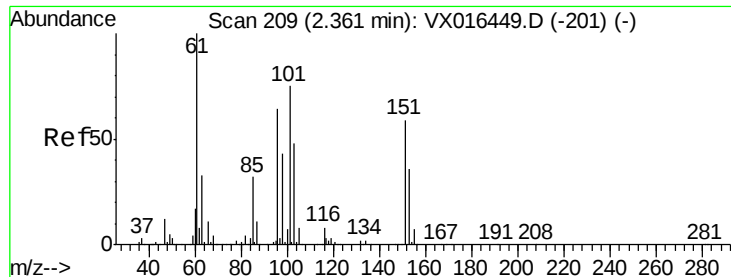


#8

Diethyl Ether
Concen: 50.522 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion: 74 Resp: 82669
Ion Ratio Lower Upper
74 100
45 91.5 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.368 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

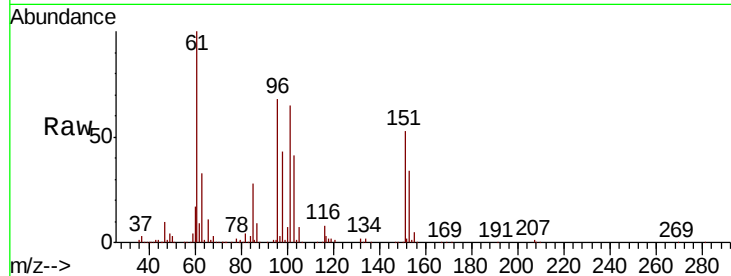
Tot Ion:101 Resp: 104462

Ion Ratio Lower Upper

101 100

85 42.7 34.4 51.6

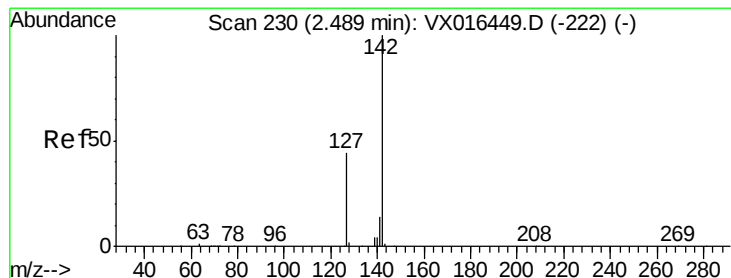
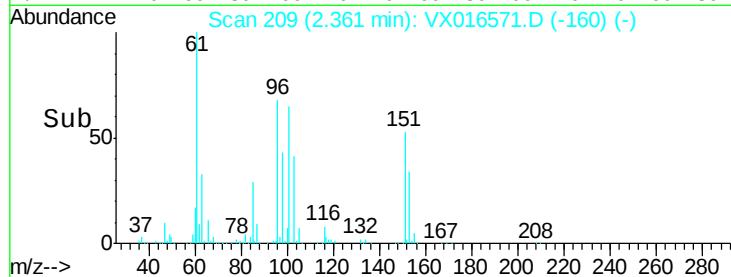
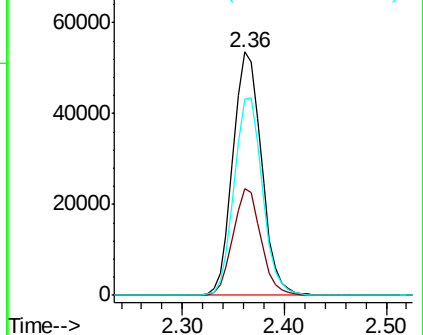
151 80.2 63.8 95.6



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: 33.484 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

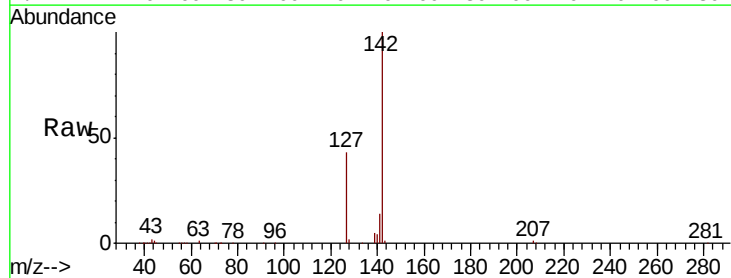
Tgt Ion:142 Resp: 83626

Ion Ratio Lower Upper

142 100

127 44.0 35.3 52.9

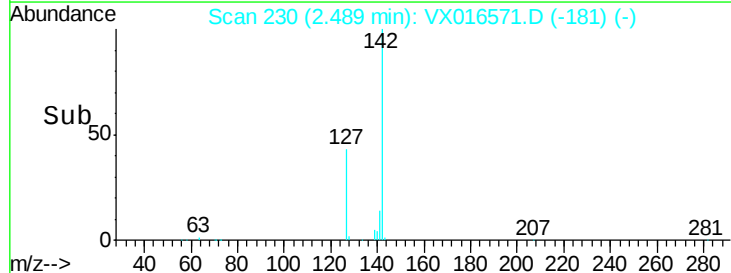
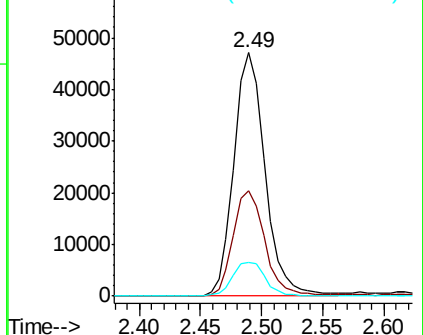
141 14.8 11.4 17.2

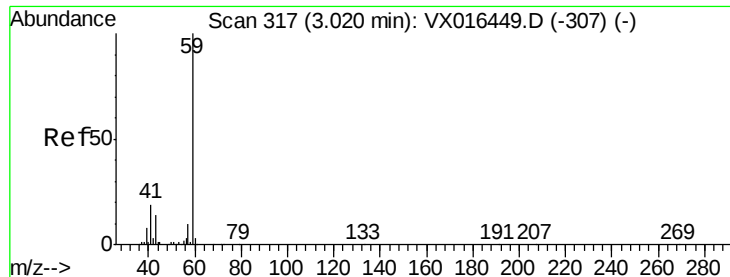


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



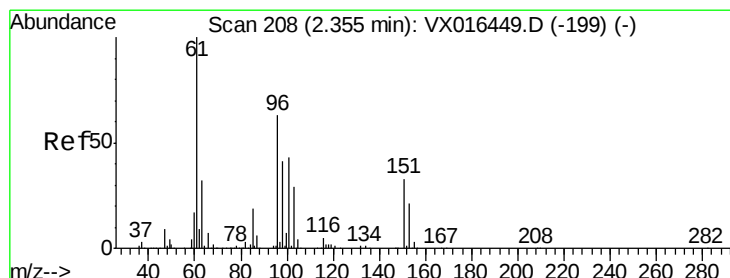
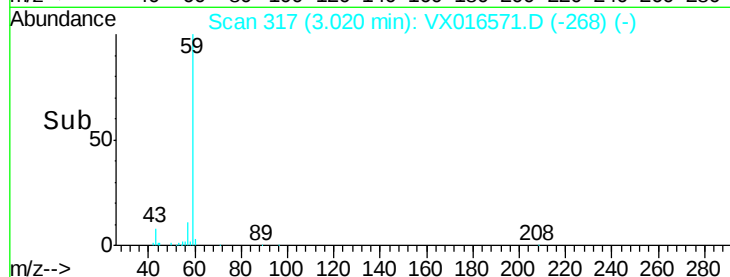
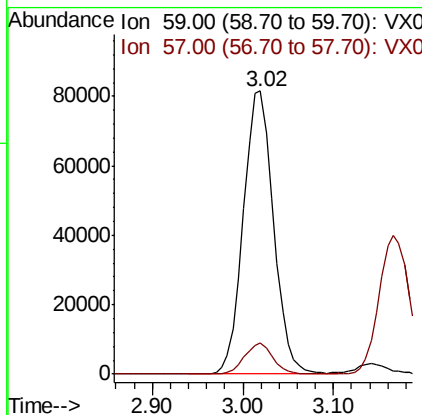
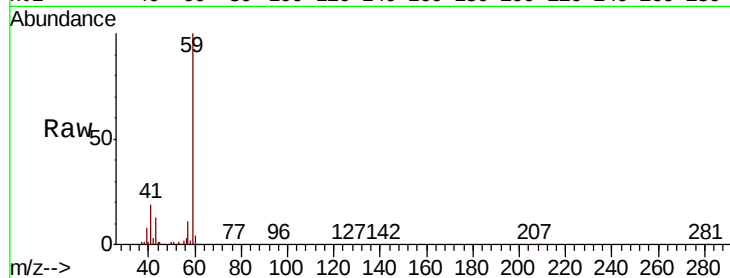


#11

Tert butyl alcohol
Concen: 249.075 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

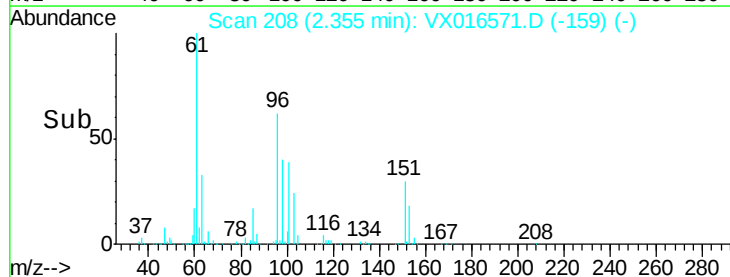
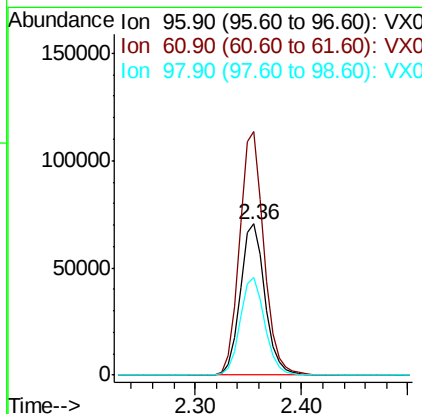
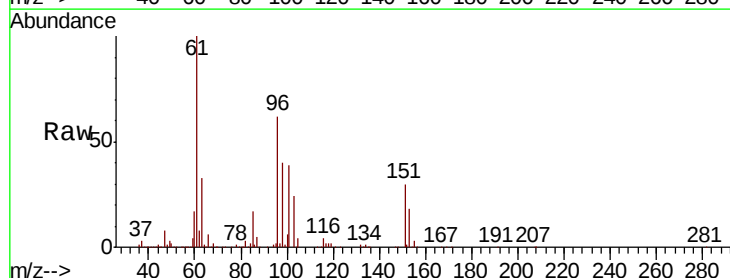
Tot Ion: 59 Resp: 188451
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

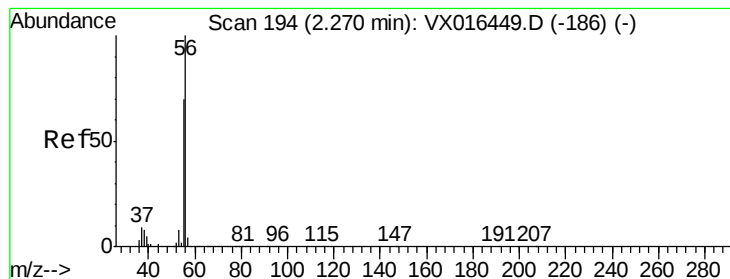


#12

1,1-Dichloroethene
Concen: 49.949 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion: 96 Resp: 114187
Ion Ratio Lower Upper
96 100
61 161.2 126.6 189.8
98 65.0 51.3 76.9





#13

Acrolein

Concen: 290.130 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

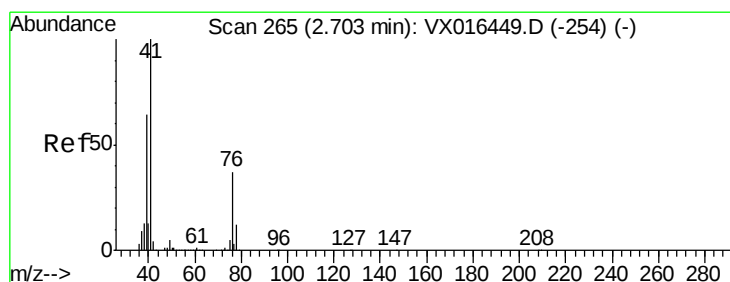
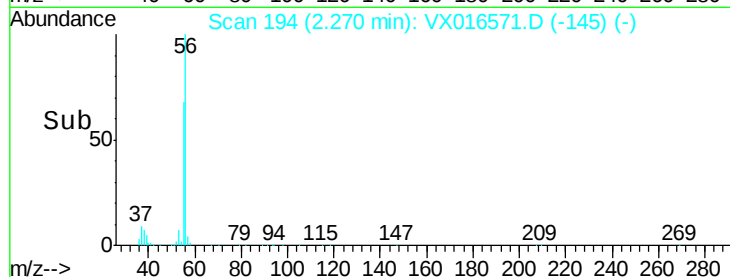
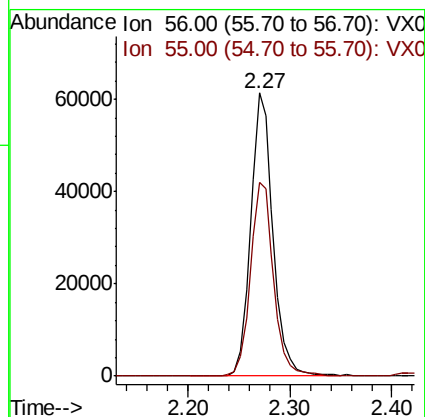
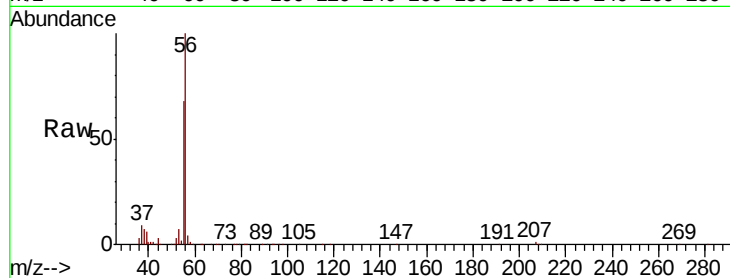
SP20-MMW3414MS

Tot Ion: 56 Resp: 93378

Ion Ratio Lower Upper

56 100

55 70.3 58.3 87.5



#14

Allyl chloride

Concen: 49.350 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

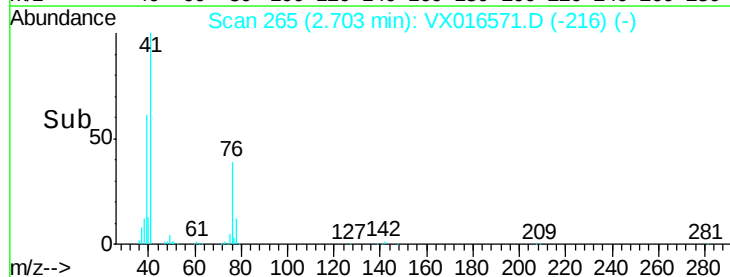
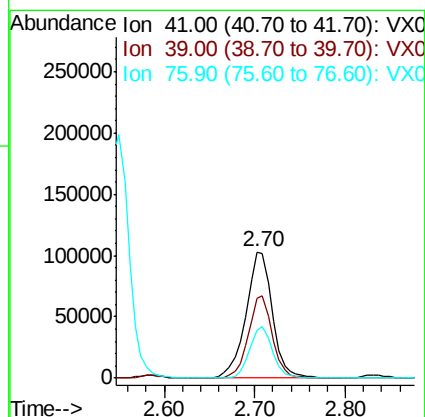
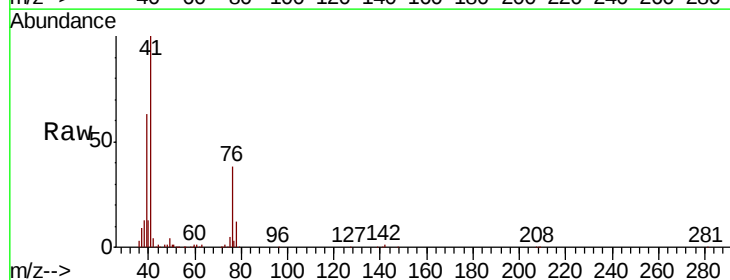
Tgt Ion: 41 Resp: 207481

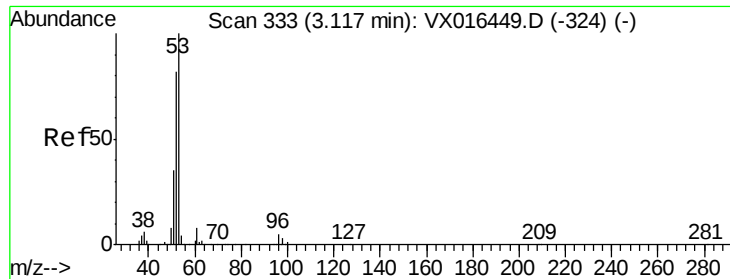
Ion Ratio Lower Upper

41 100

39 59.1 47.7 71.5

76 35.4 26.6 40.0





#15

Acrylonitrile

Concen: 263.050 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

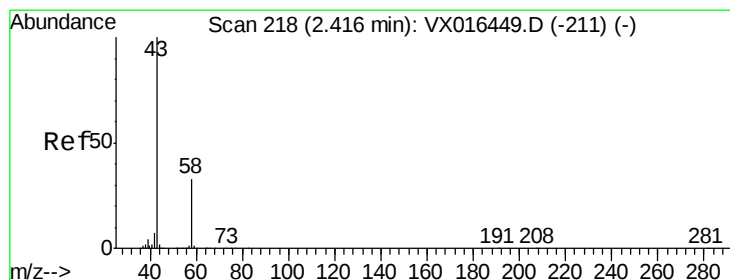
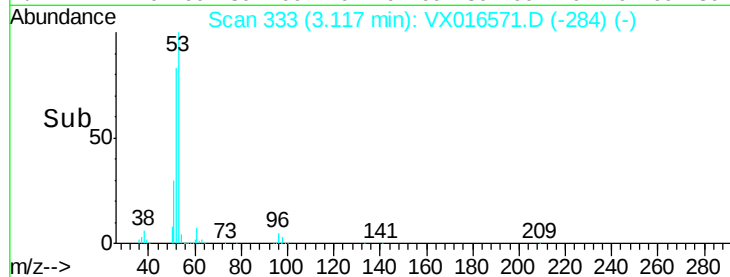
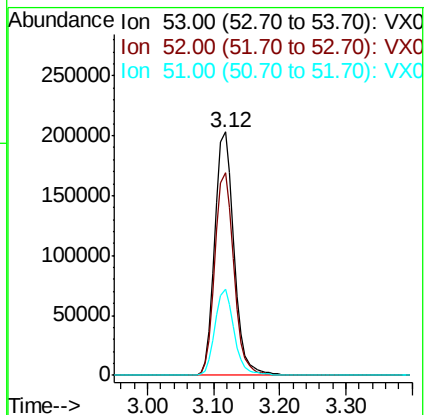
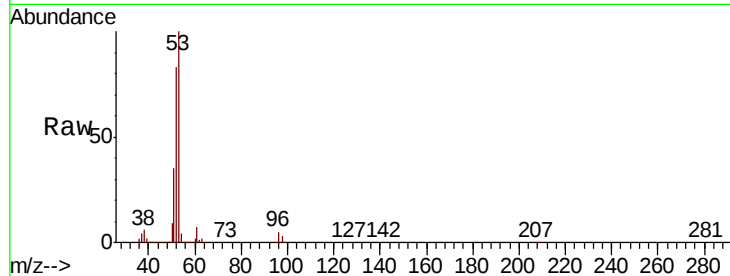
Tot Ion: 53 Resp: 407688

Ion Ratio Lower Upper

53 100

52 82.4 66.7 100.1

51 35.3 28.6 43.0



#16

Acetone

Concen: 261.295 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016571.D

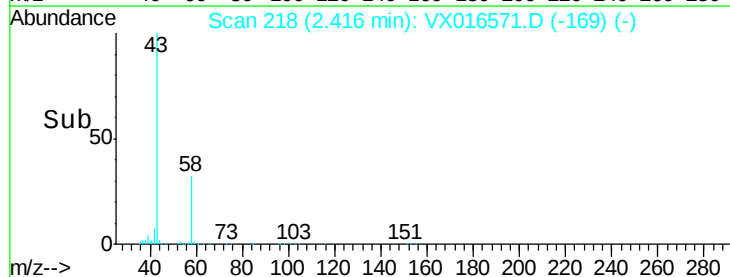
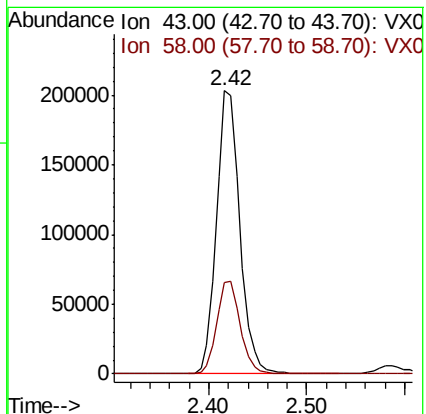
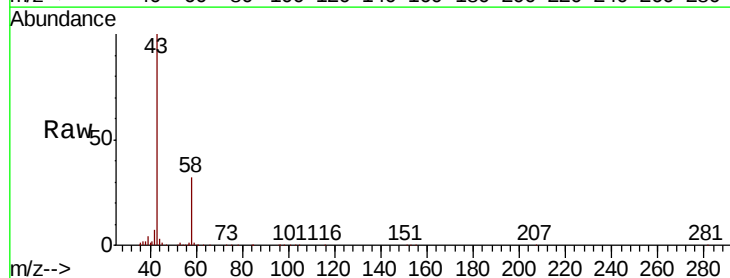
Acq: 03 Jun 2020 17:06

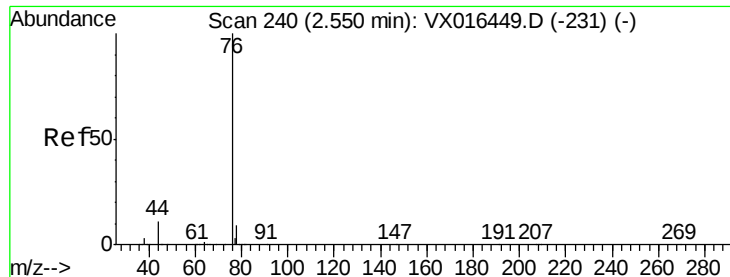
Tgt Ion: 43 Resp: 337772

Ion Ratio Lower Upper

43 100

58 32.3 26.1 39.1





#17

Carbon Disulfide

Concen: 48.416 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

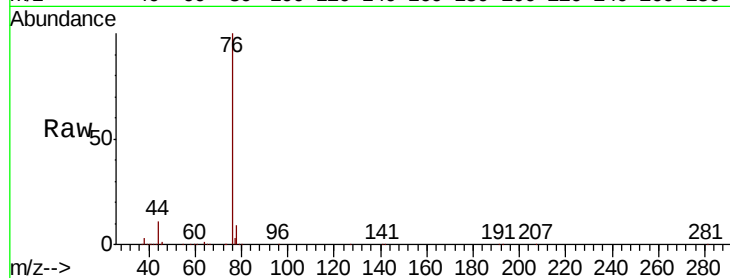
SP20-MMW3414MS

Tot Ion: 76 Resp: 328686

Ion Ratio Lower Upper

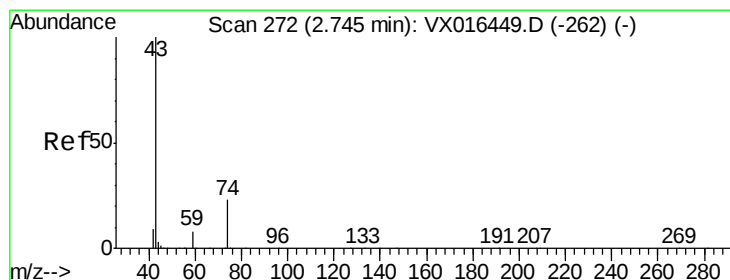
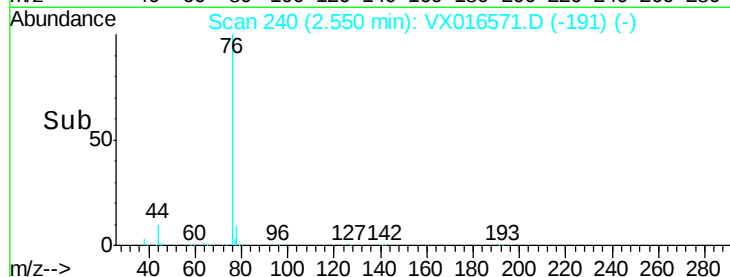
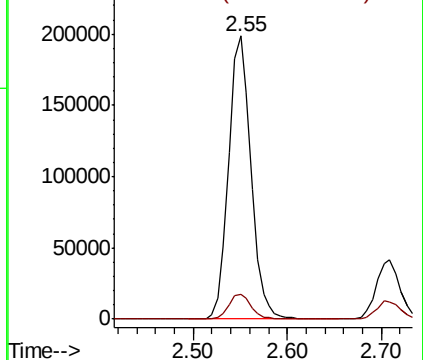
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.350 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX016571.D

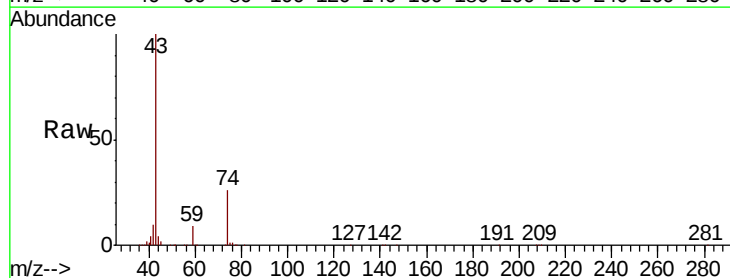
Acq: 03 Jun 2020 17:06

Tgt Ion: 43 Resp: 170251

Ion Ratio Lower Upper

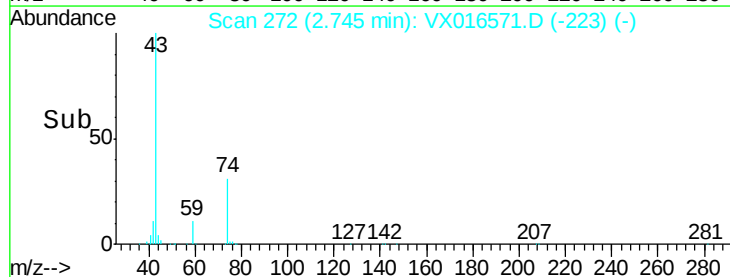
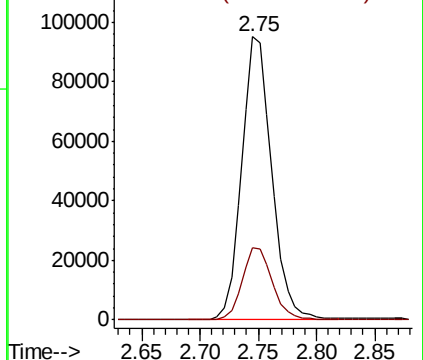
43 100

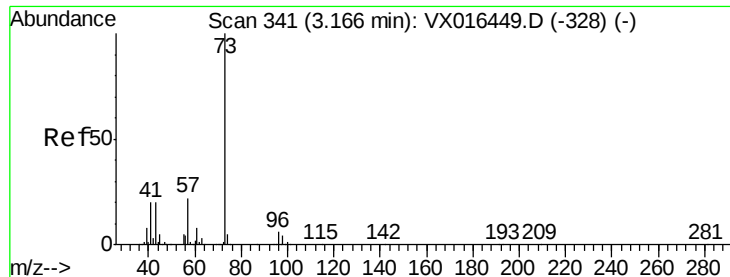
74 26.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

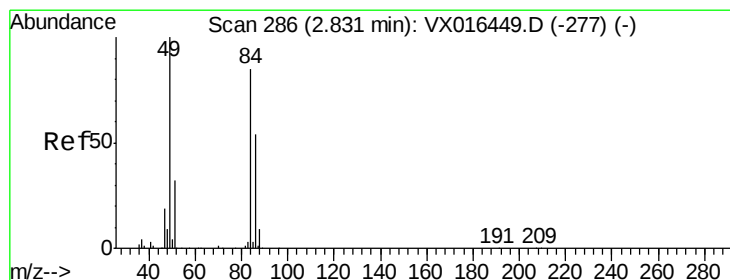
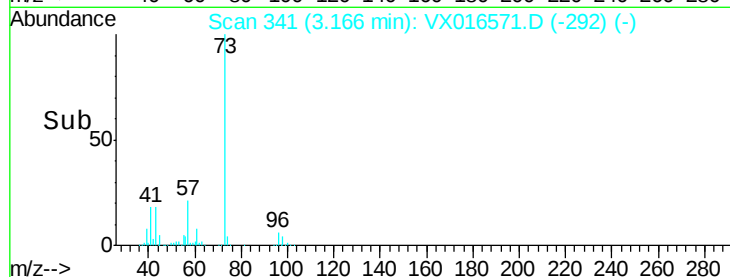
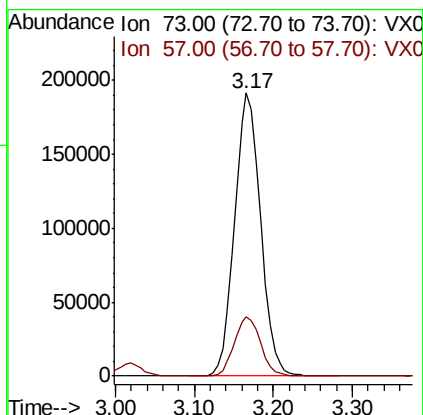
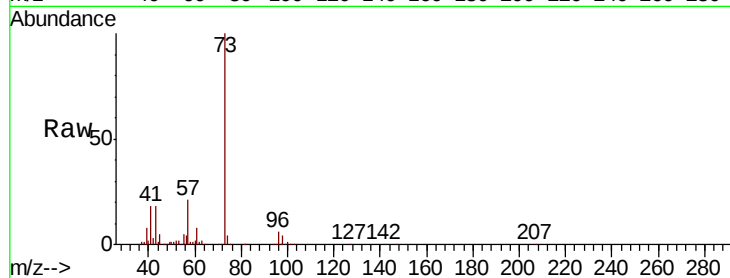




#19
Methyl tert-butyl Ether
Concen: 53.435 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

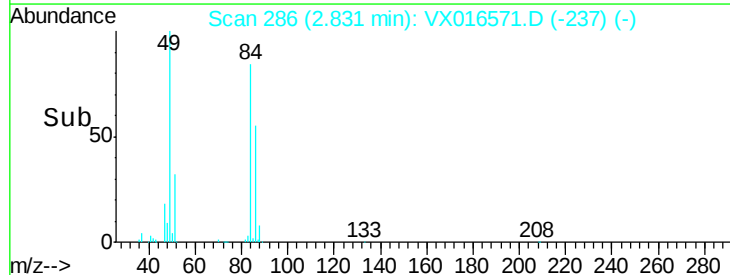
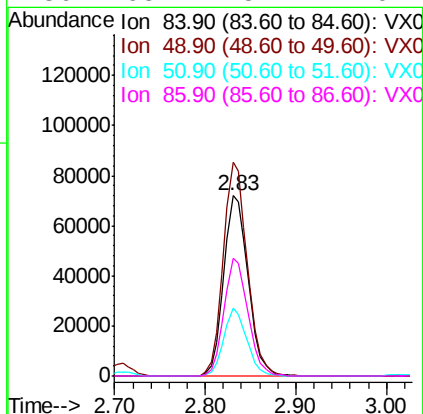
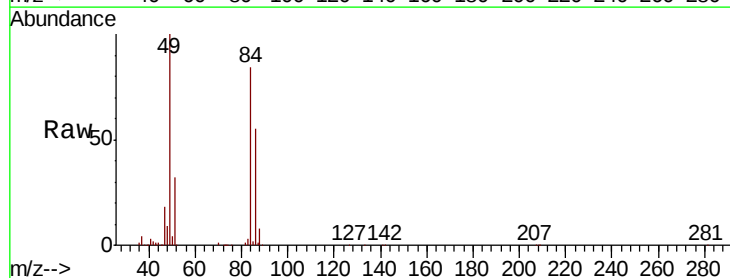
Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

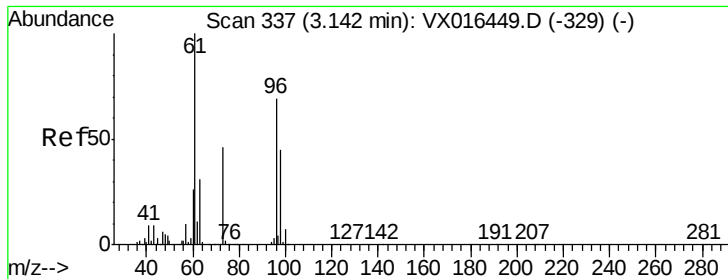
Tot Ion: 73 Resp: 438655
Ion Ratio Lower Upper
73 100
57 20.8 17.8 26.6



#20
Methylene Chloride
Concen: 50.304 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion: 84 Resp: 134538
Ion Ratio Lower Upper
84 100
49 118.5 94.5 141.7
51 37.3 30.2 45.4
86 65.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 51.134 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

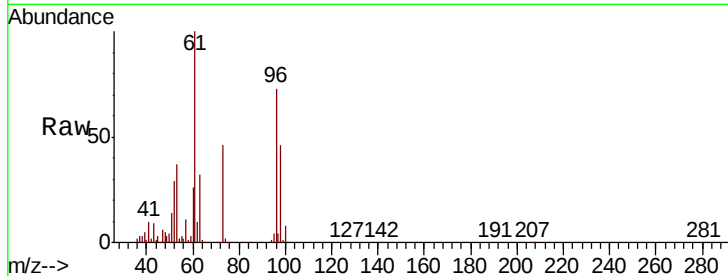
Tot Ion: 96 Resp: 129302

Ion Ratio Lower Upper

96 100

61 137.7 115.3 172.9

98 64.0 51.9 77.9

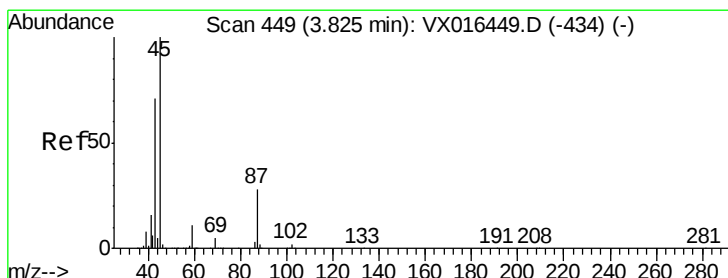
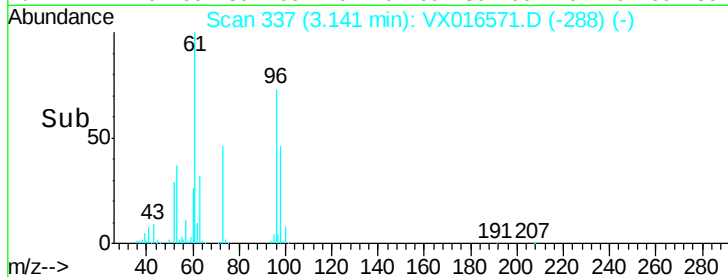
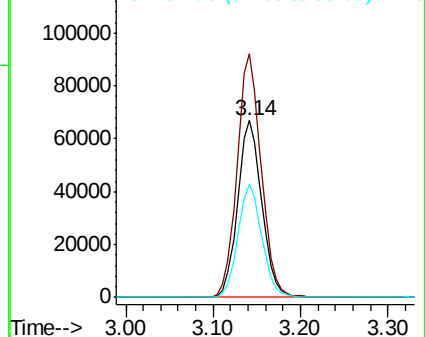


Abundance

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: 49.319 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Tgt Ion: 45 Resp: 398328

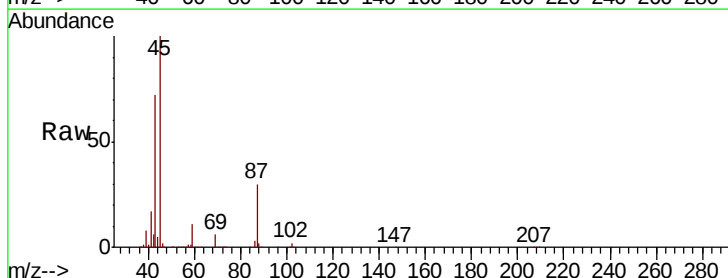
Ion Ratio Lower Upper

45 100

43 71.8 57.0 85.6

87 29.8 22.5 33.7

59 11.3 9.1 13.7



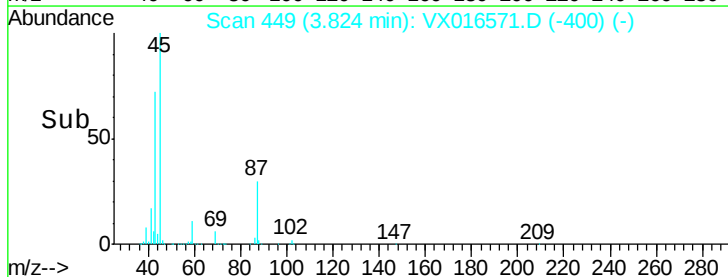
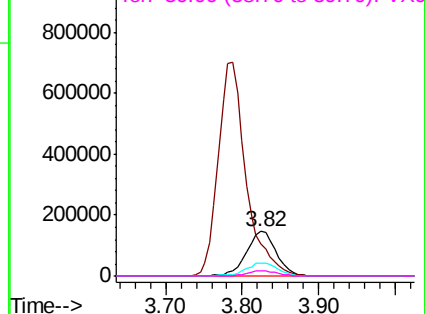
Abundance

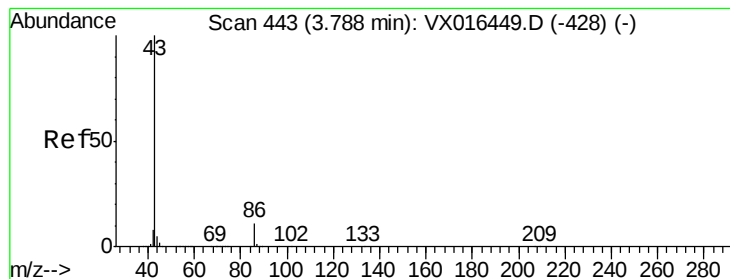
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 251.160 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

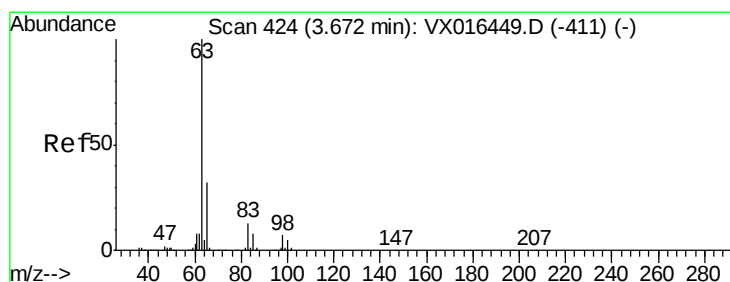
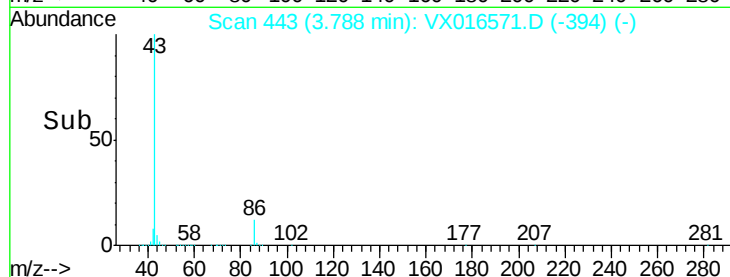
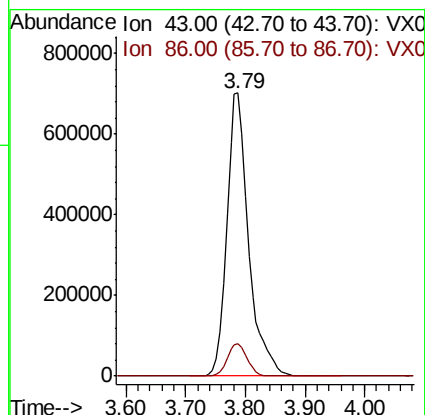
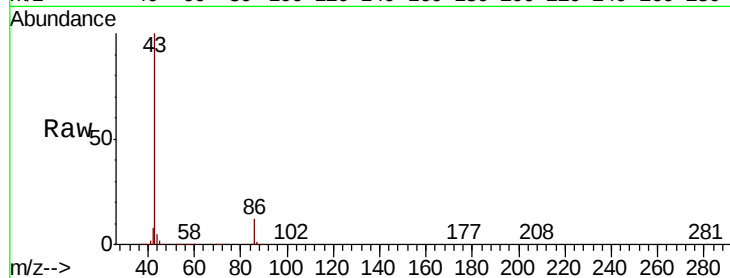
SP20-MMW3414MS

Tot Ion: 43 Resp: 1775551

Ion Ratio Lower Upper

43 100

86 11.7 8.6 13.0



#24

1,1-Dichloroethane

Concen: 51.483 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

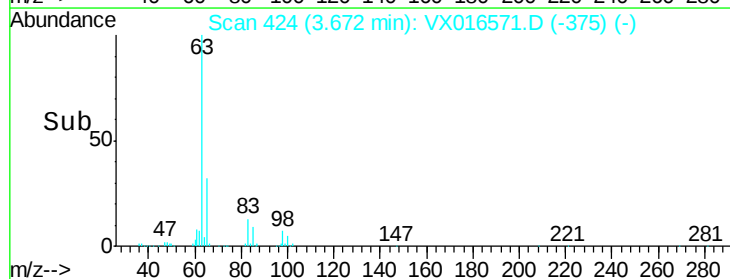
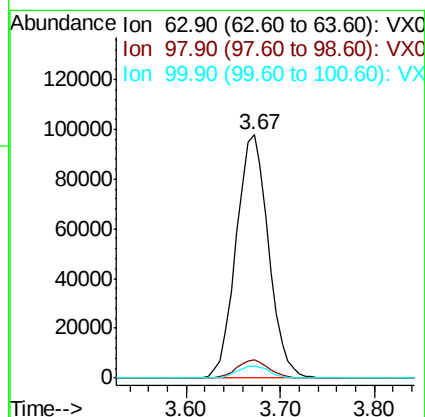
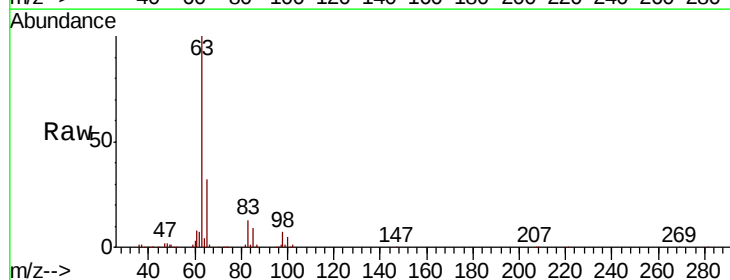
Tgt Ion: 63 Resp: 234684

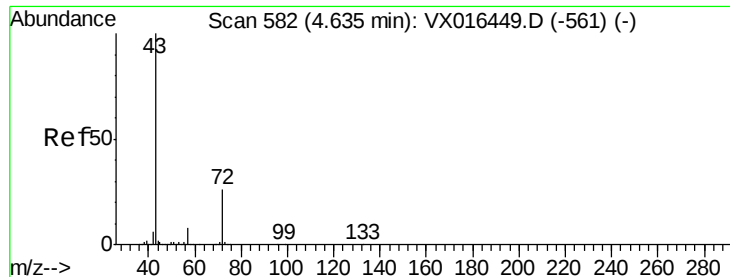
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.8 2.4 7.1

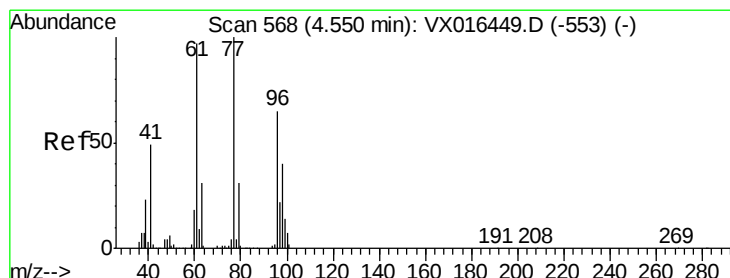
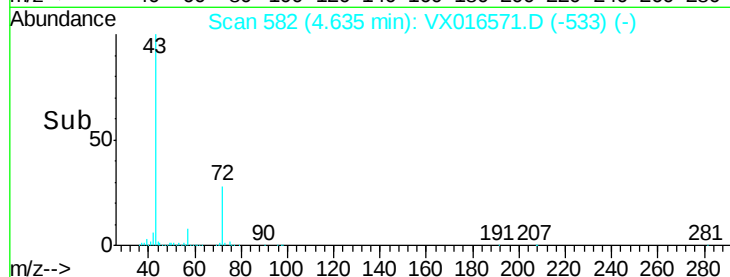
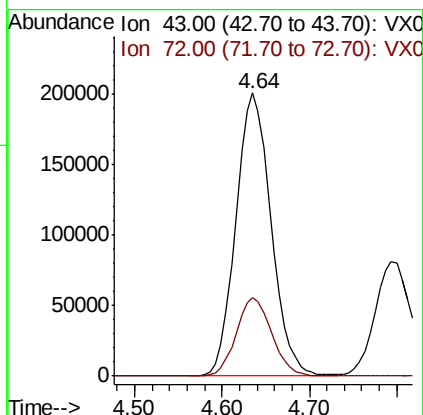
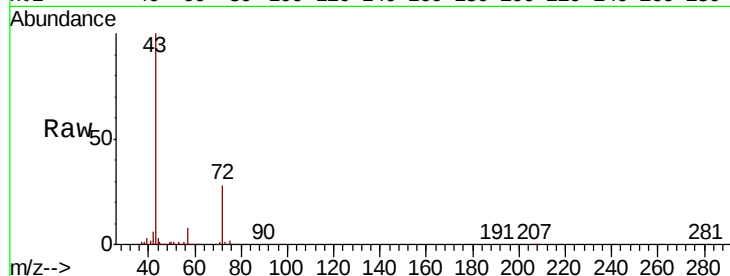




#25
2-Butanone
Concen: 255.889 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

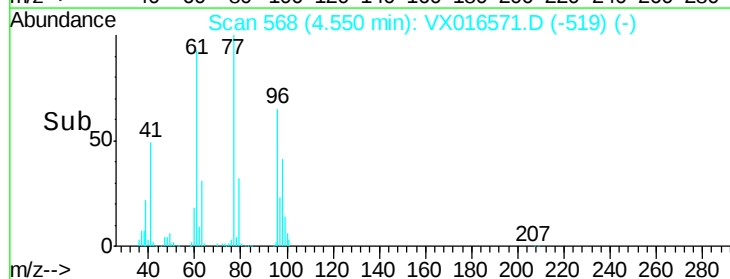
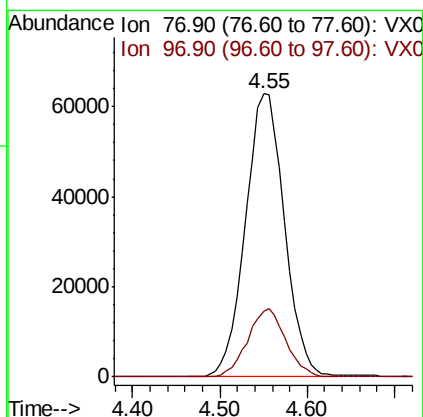
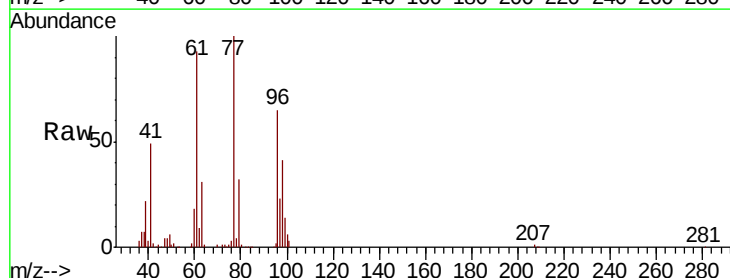
Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

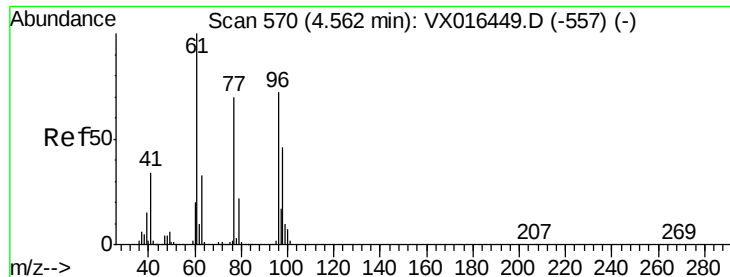
Tot Ion: 43 Resp: 560500
Ion Ratio Lower Upper
43 100
72 27.9 21.0 31.6



#26
2,2-Dichloropropane
Concen: 52.368 ug/l
RT: 4.55 min Scan# 568
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion: 77 Resp: 195338
Ion Ratio Lower Upper
77 100
97 23.5 11.5 34.4



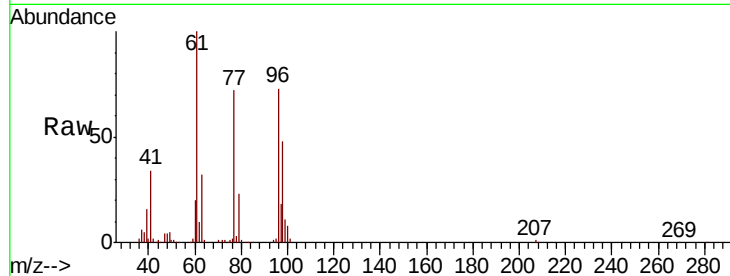


#27

cis-1,2-Dichloroethene
Concen: 52.698 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	284.6
98	64.8	0.0	127.2

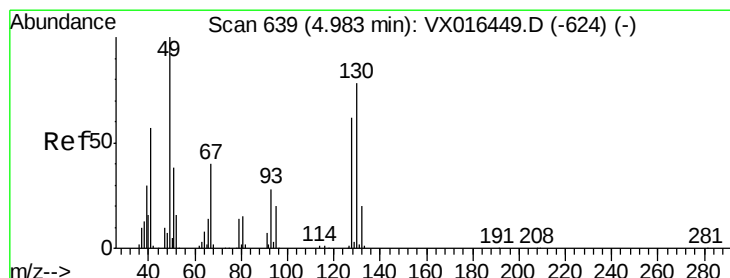
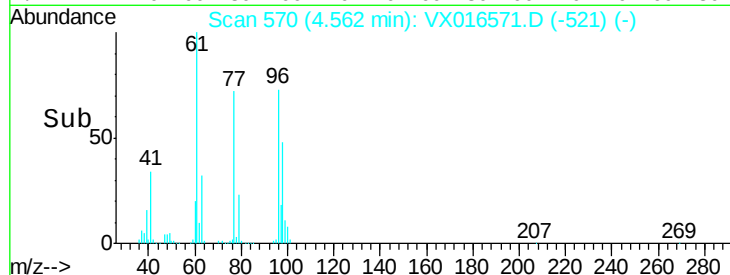
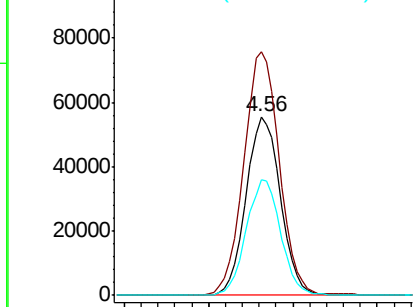


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

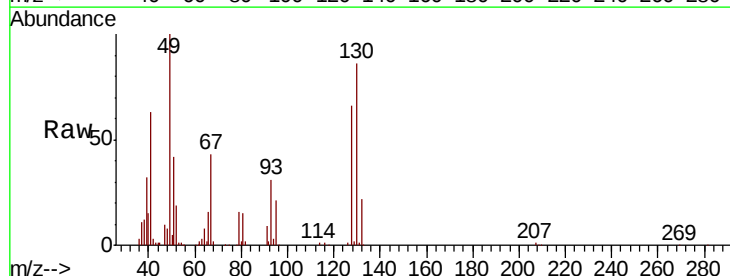
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 46.518 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.0
130	84.6	63.0	94.4

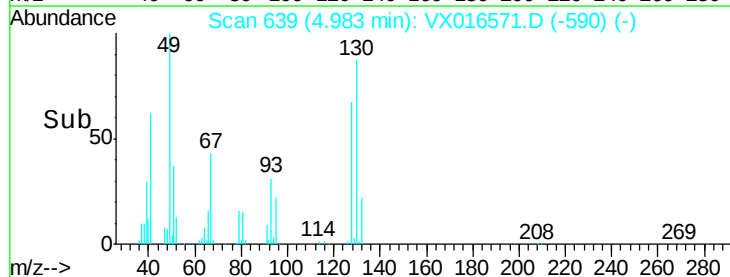
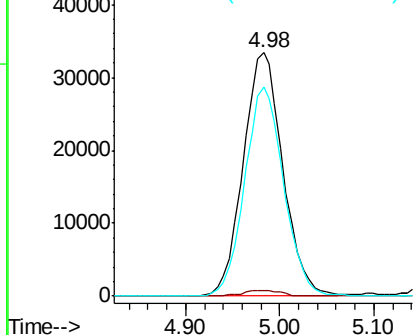


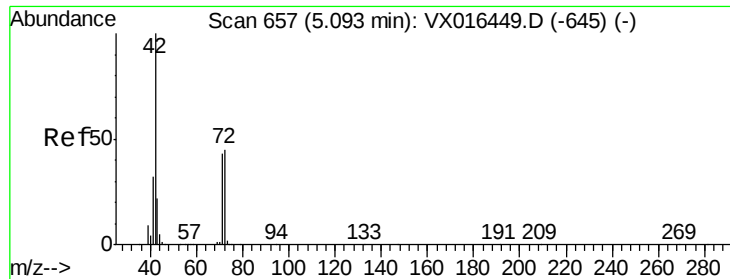
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 253.900 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

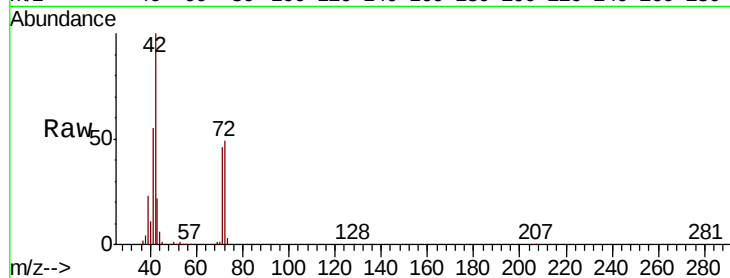
Tot Ion: 42 Resp: 359296

Ion Ratio Lower Upper

42 100

72 48.7 37.0 55.4

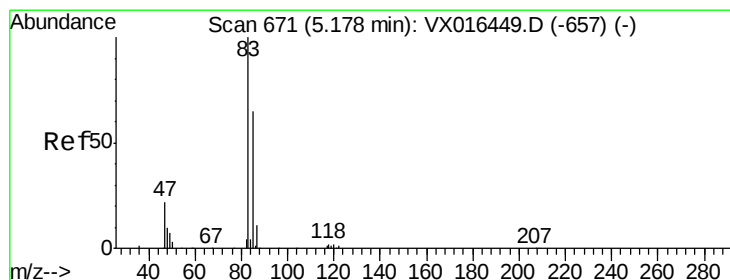
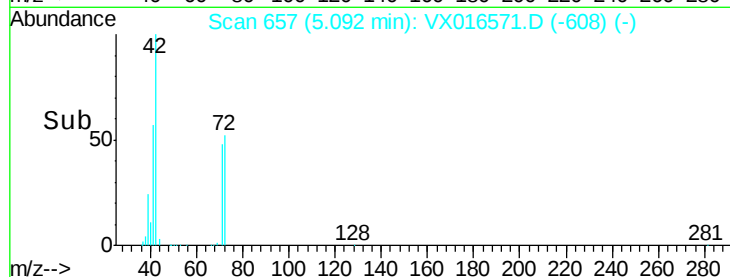
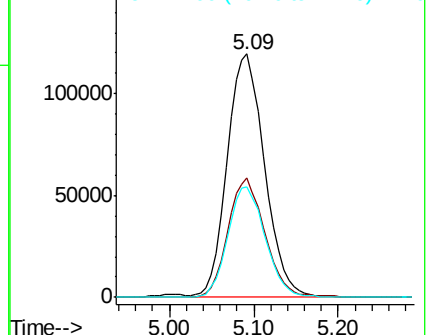
71 45.6 34.1 51.1



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: 52.630 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX016571.D

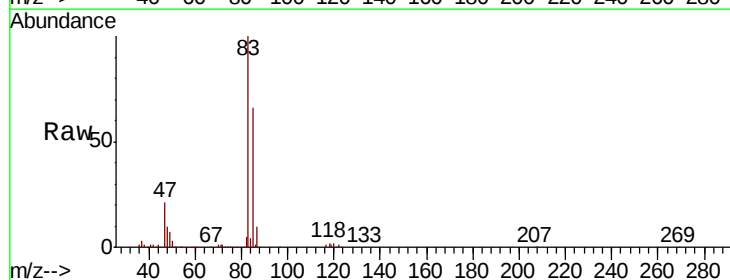
Acq: 03 Jun 2020 17:06

Tgt Ion: 83 Resp: 241739

Ion Ratio Lower Upper

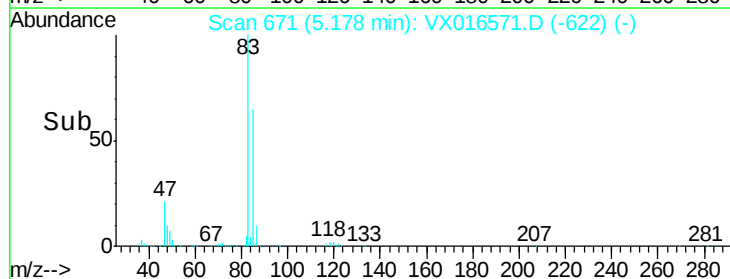
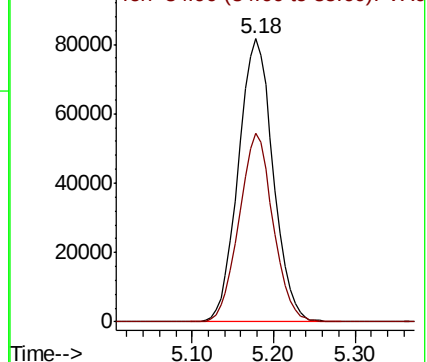
83 100

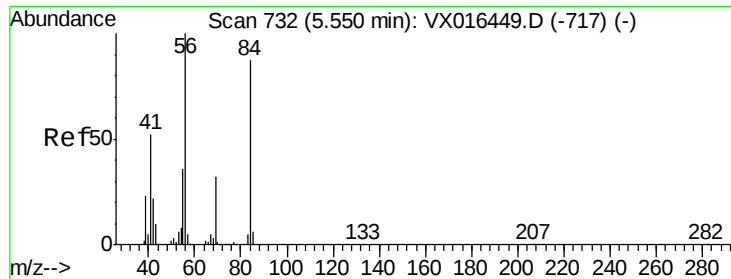
85 66.4 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

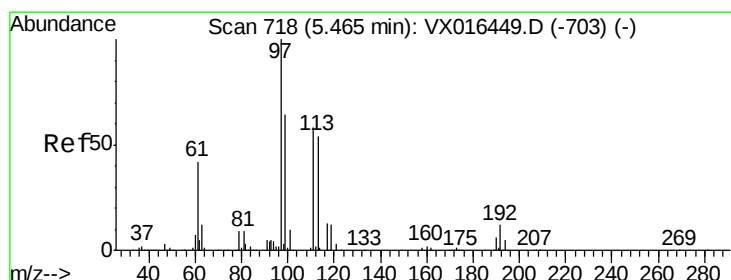
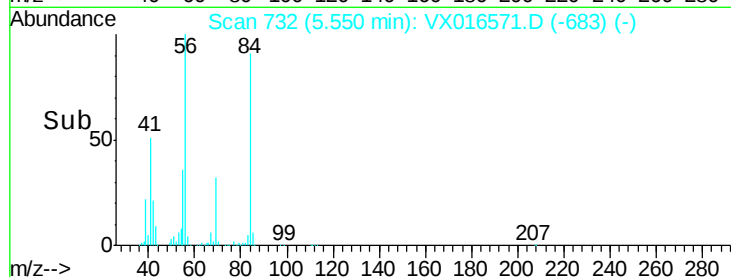
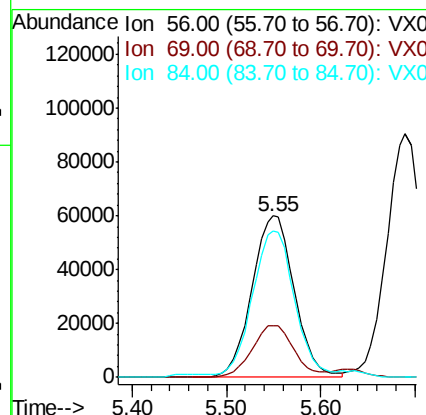
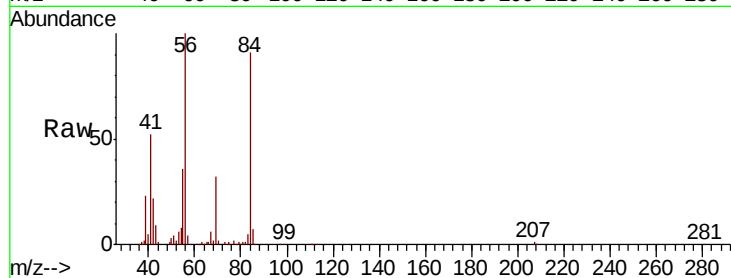




#31
Cyclohexane
Concen: 45.917 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

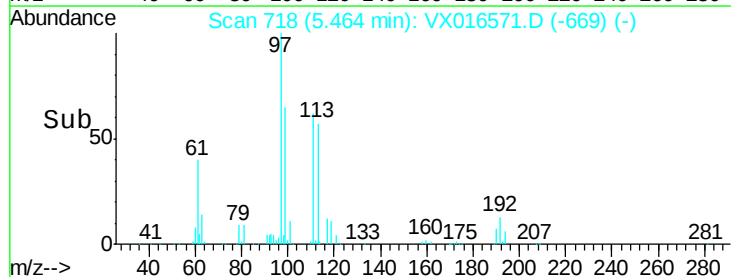
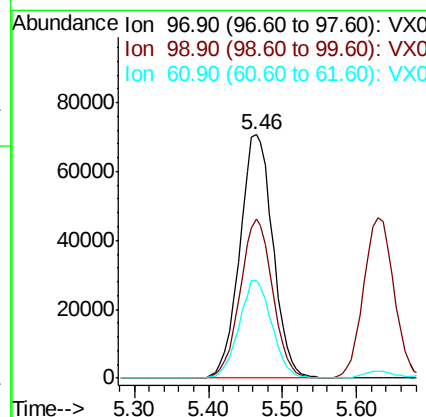
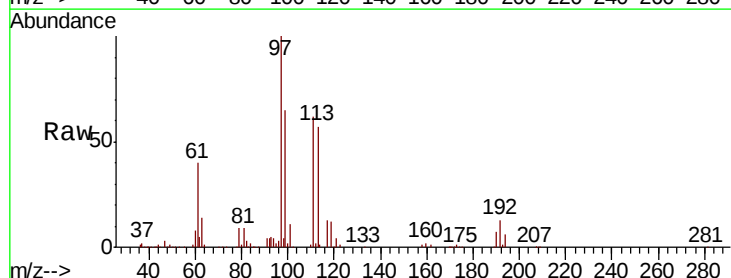
Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

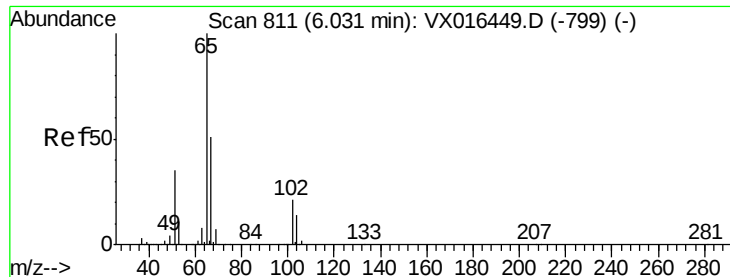
Tot Ion: 56 Resp: 188305
Ion Ratio Lower Upper
56 100
69 31.8 25.7 38.5
84 88.9 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 52.862 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion: 97 Resp: 219822
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 39.9 33.5 50.3





#33

1,2-Dichloroethane-d4

Concen: 51.069 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

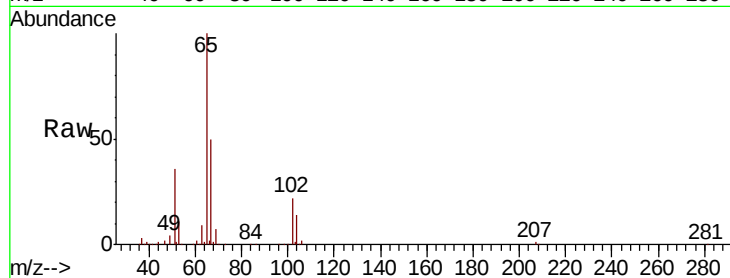
SP20-MMW3414MS

Tot Ion: 65 Resp: 150679

Ion Ratio Lower Upper

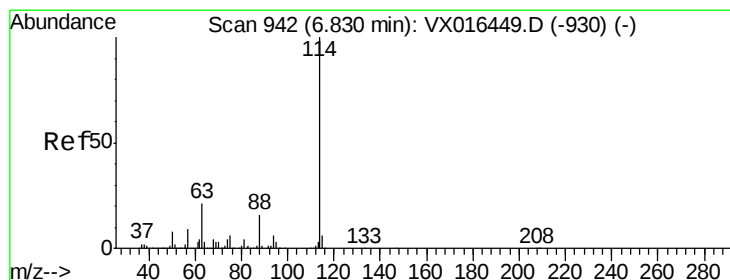
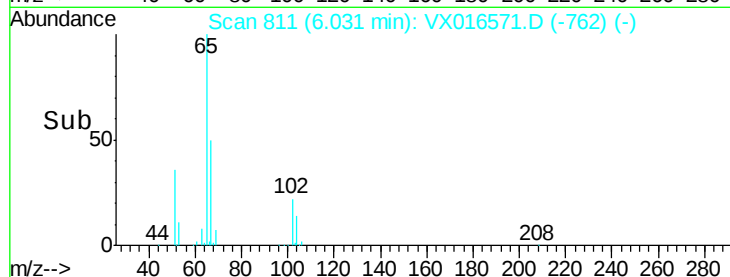
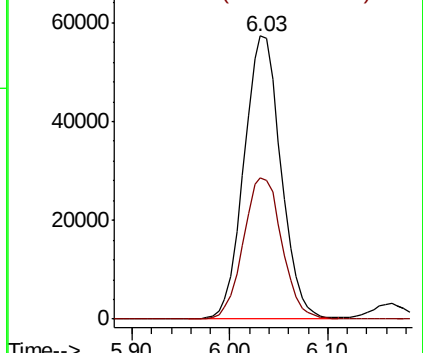
65 100

67 51.9 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

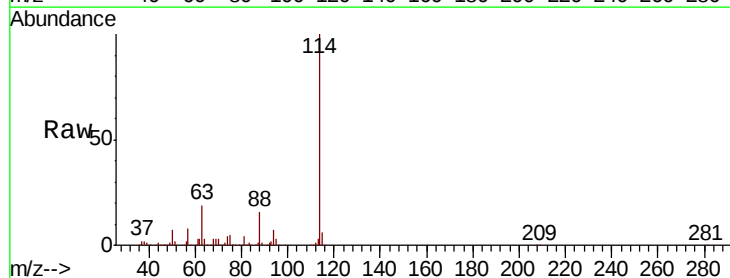
Tgt Ion: 114 Resp: 378467

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

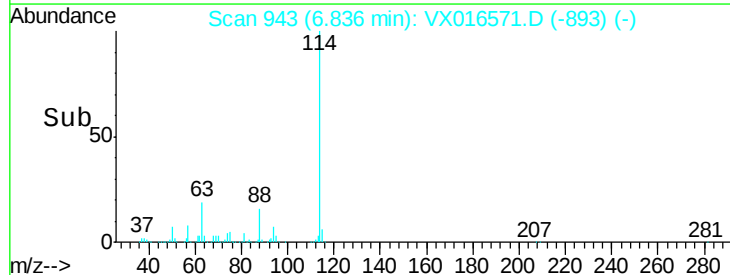
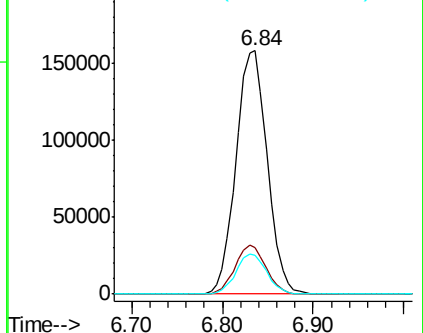
88 15.9 0.0 32.8

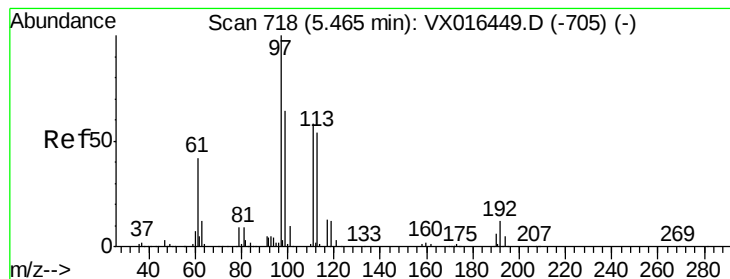


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.862 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

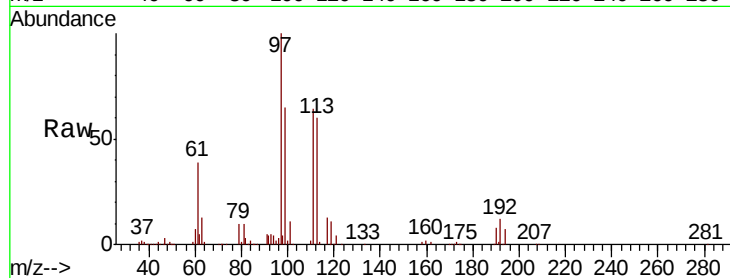
Tot Ion:113 Resp: 118528

Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.6

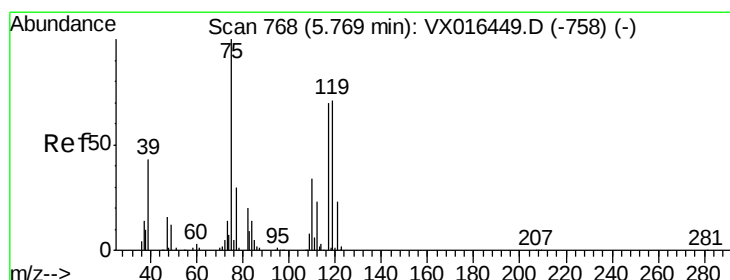
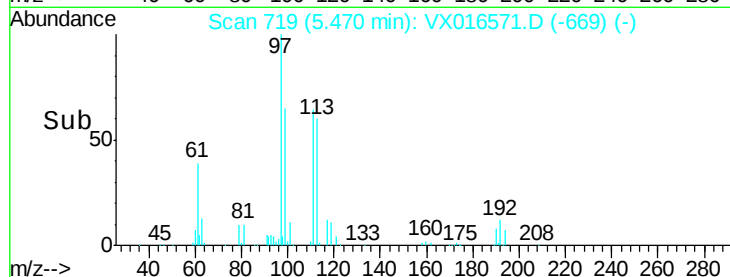
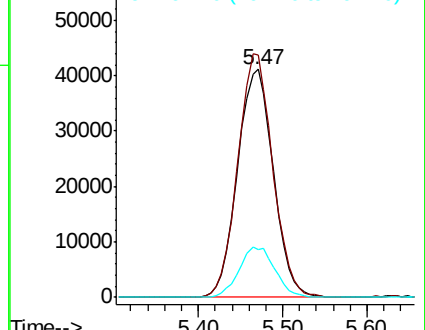
192 22.1 17.7 26.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.366 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

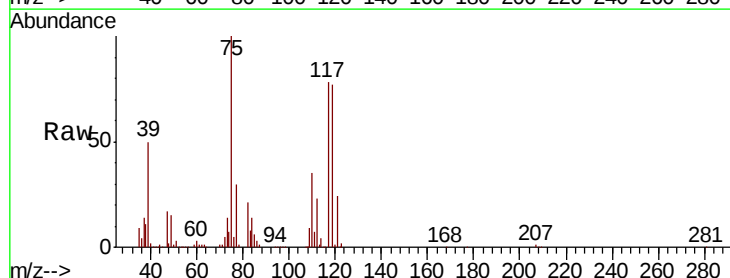
Tgt Ion: 75 Resp: 176895

Ion Ratio Lower Upper

75 100

110 35.7 17.4 52.3

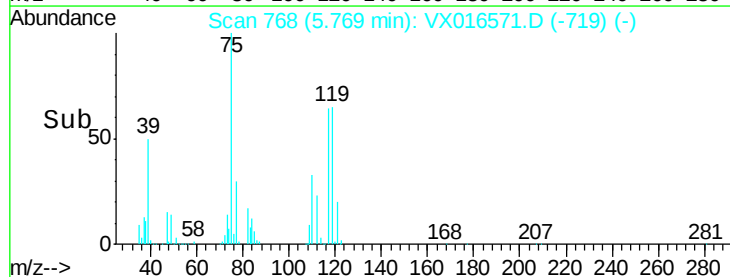
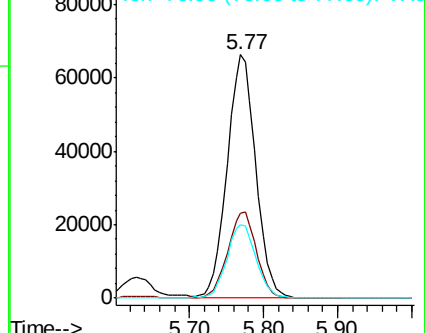
77 31.5 24.2 36.4

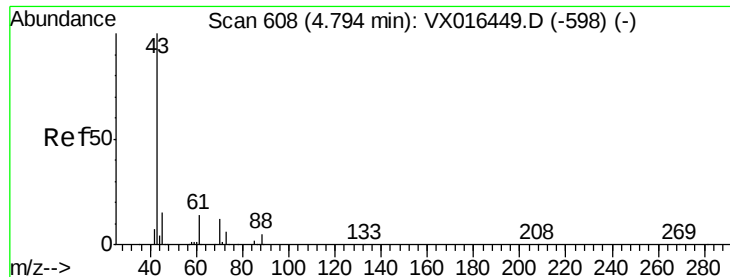


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

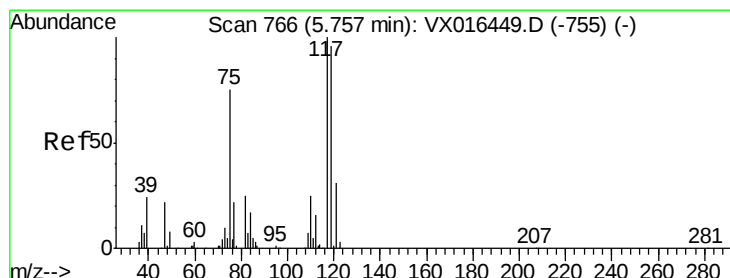
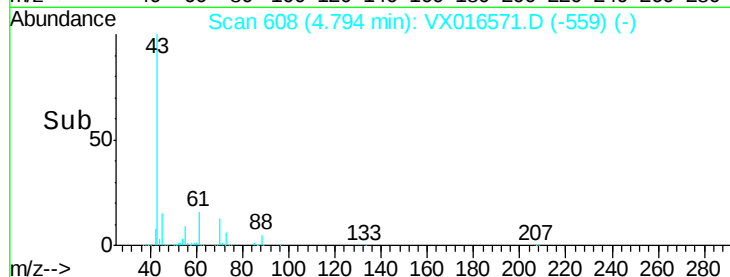
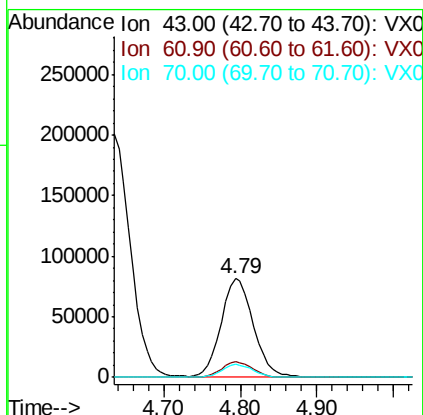
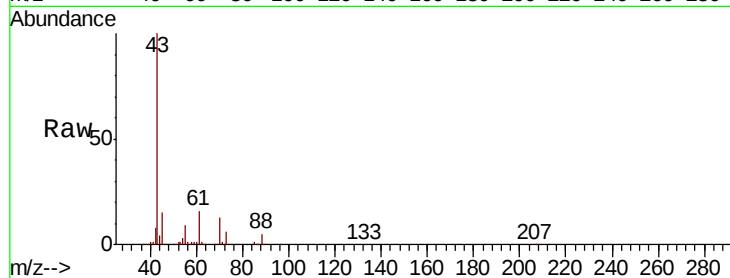




#37
Ethyl Acetate
Concen: 55.198 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

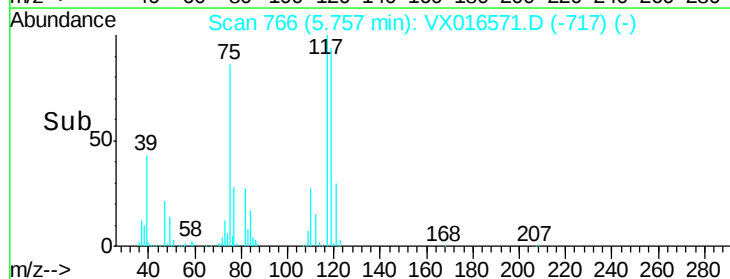
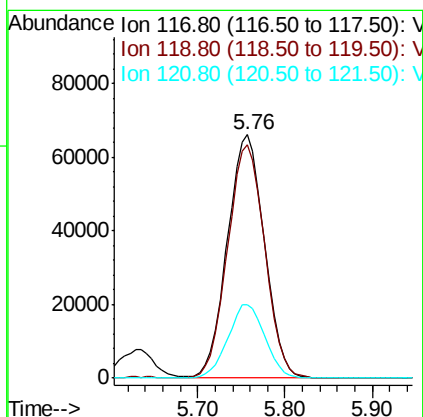
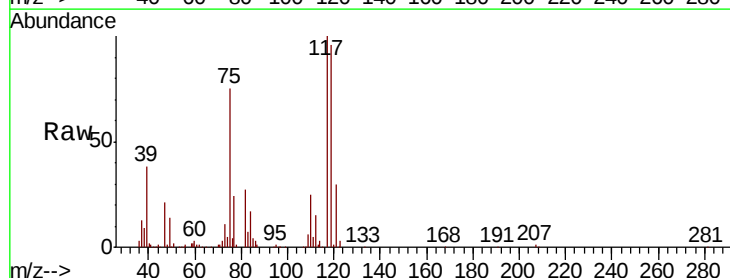
Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

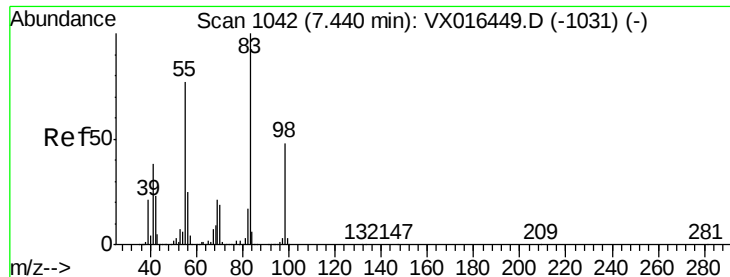
Tot Ion: 43 Resp: 237469
Ion Ratio Lower Upper
43 100
61 15.3 11.3 16.9
70 12.4 9.3 13.9



#38
Carbon Tetrachloride
Concen: 51.727 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion: 117 Resp: 194790
Ion Ratio Lower Upper
117 100
119 95.6 76.3 114.5
121 30.1 24.6 37.0

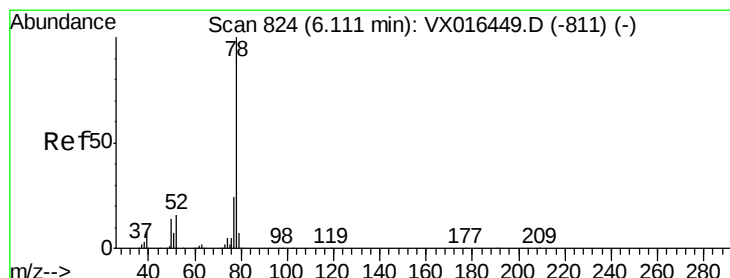
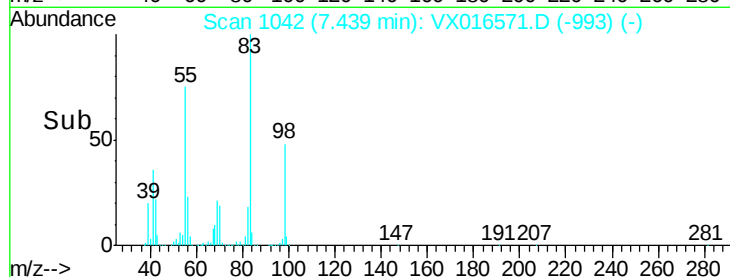
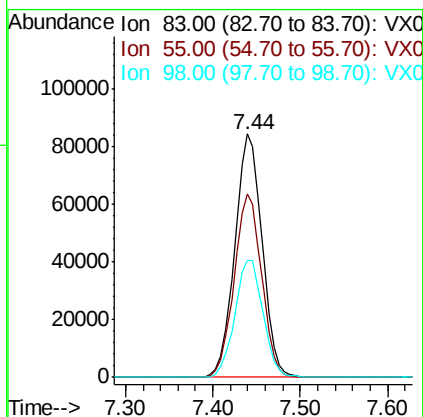
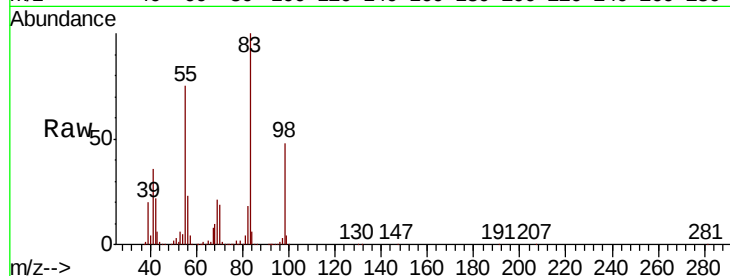




#39
Methvlcvclohexane
Concen: 46.990 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

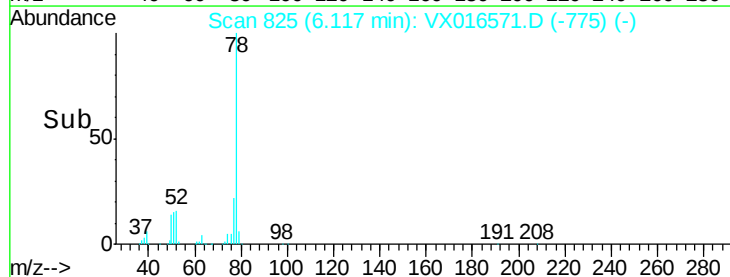
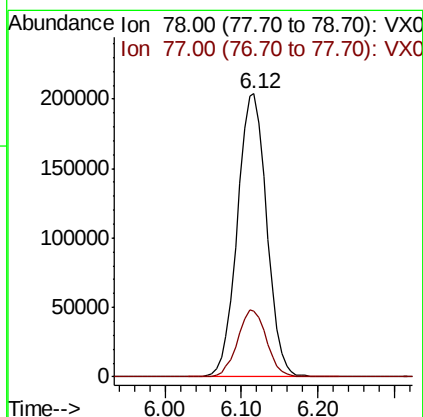
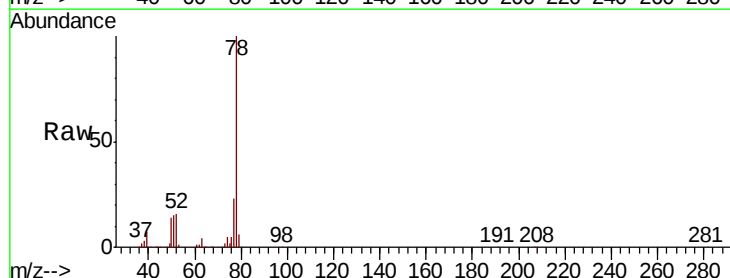
Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

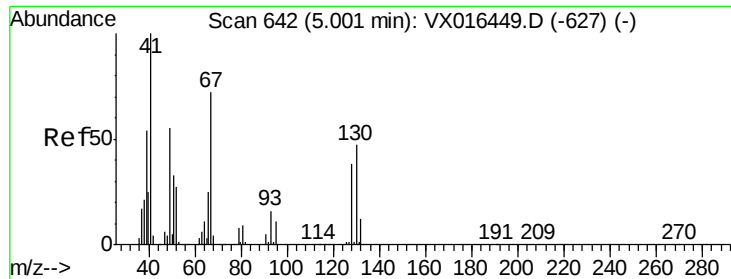
Tot Ion: 83 Resp: 182893
Ion Ratio Lower Upper
83 100
55 75.1 61.7 92.5
98 48.2 38.7 58.1



#40
Benzene
Concen: 50.768 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion: 78 Resp: 541752
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3

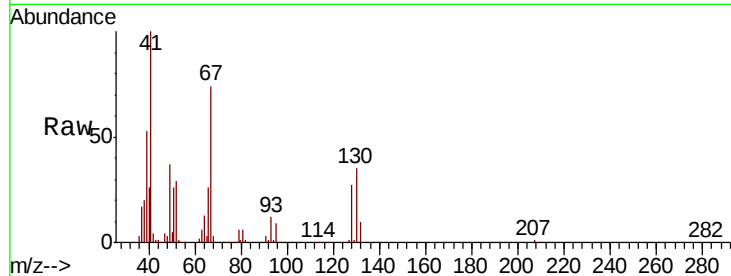




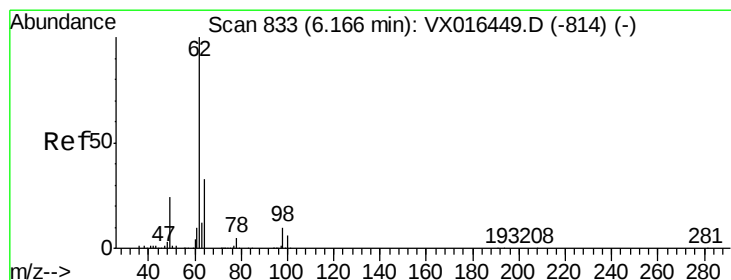
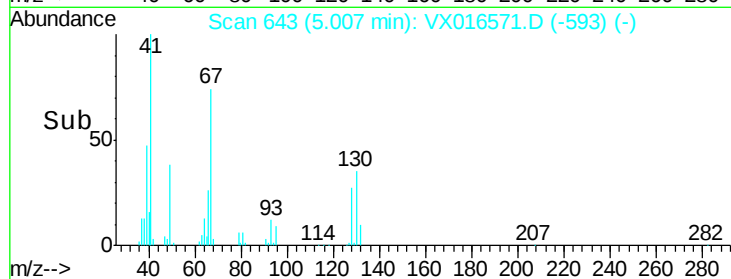
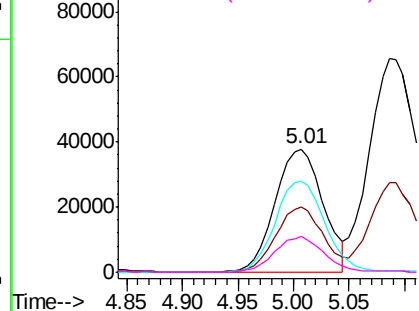
#41
Methacrylonitrile
Concen: 47.984 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion:	41	Resp:	113392
Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.0	64.4
67	77.2	58.9	88.3
52	29.5	23.1	34.7

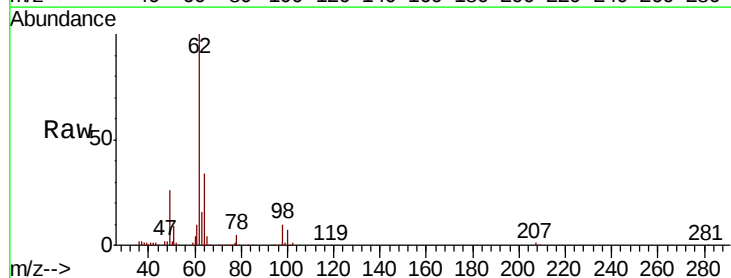


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

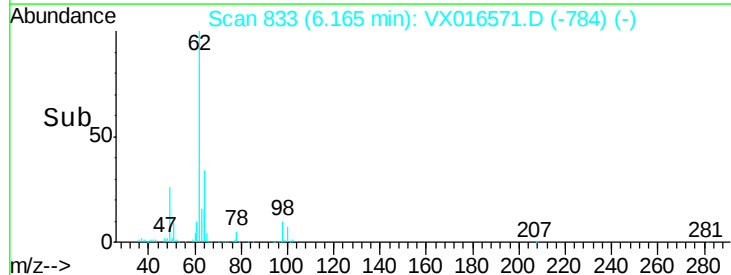
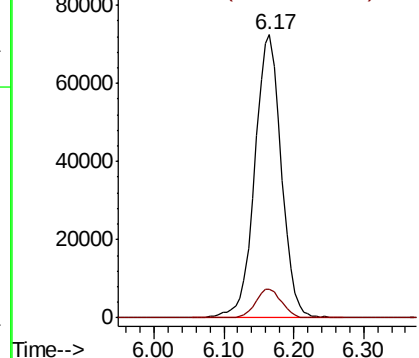


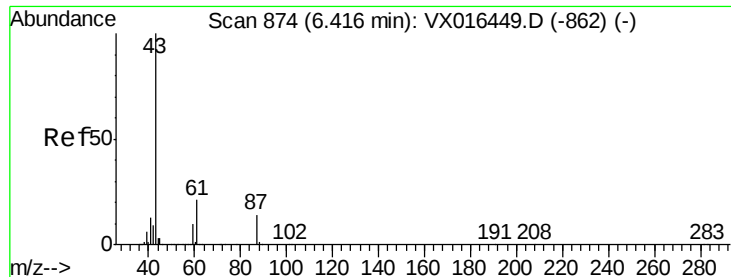
#42
1,2-Dichloroethane
Concen: 50.337 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion:	62	Resp:	191024
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



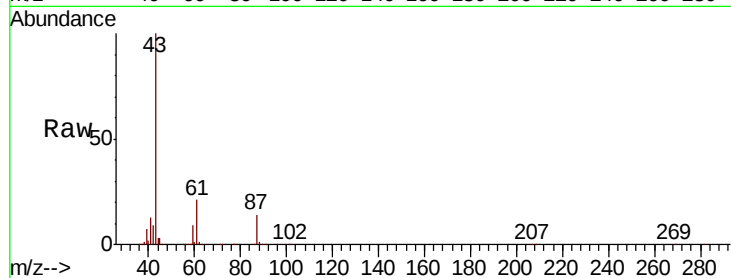


#43

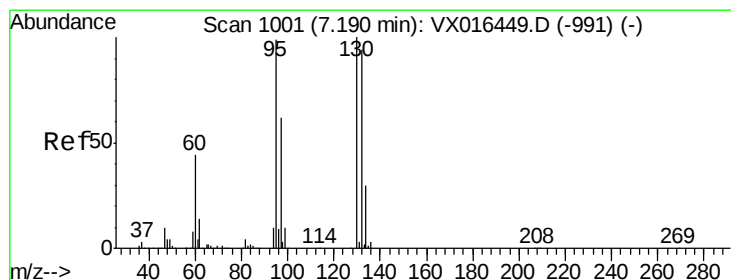
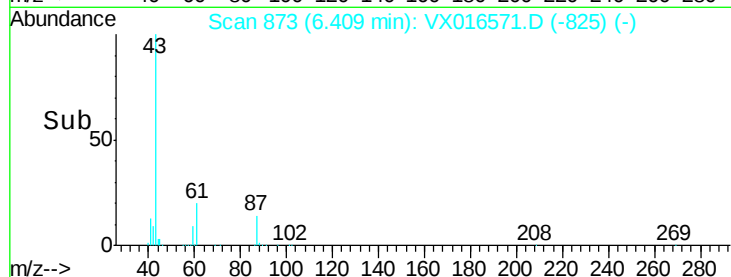
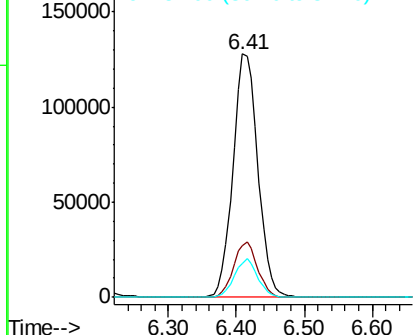
Isopropyl Acetate
 Concen: 48.166 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	16.8	25.2
87	14.8	11.2	16.8



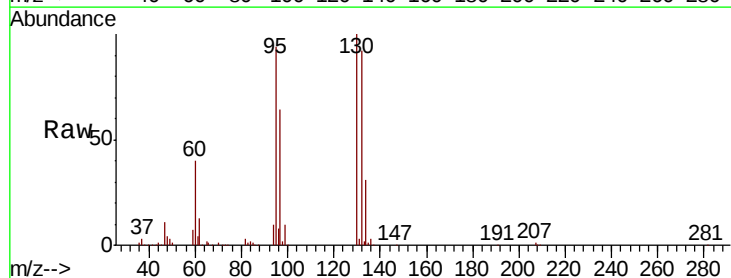
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



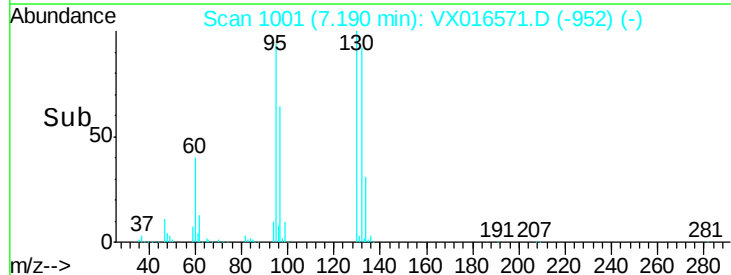
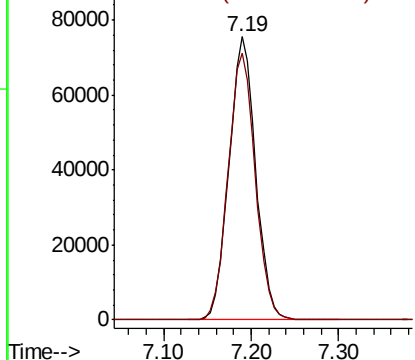
#44

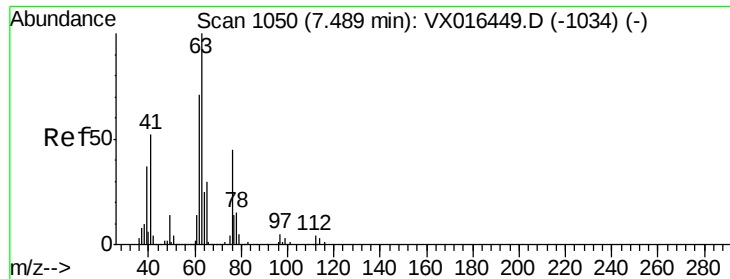
Trichloroethene
 Concen: 47.364 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	198.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.497 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

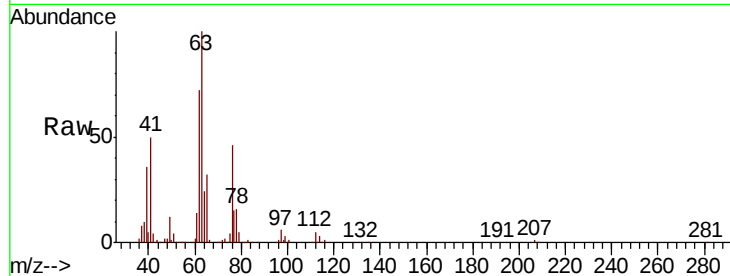
SP20-MMW3414MS

Tot Ion: 63 Resp: 134466

Ion Ratio Lower Upper

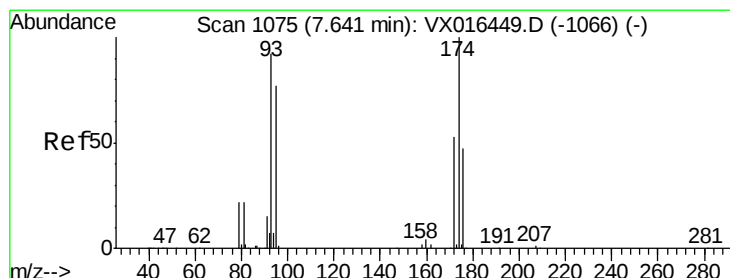
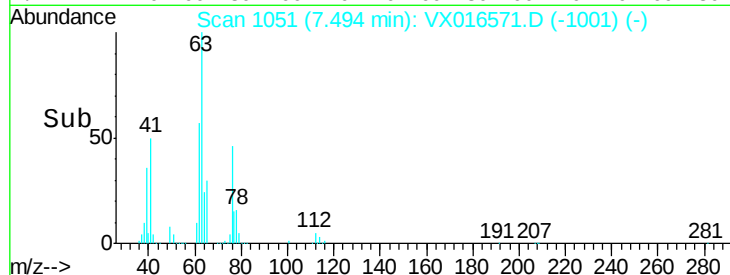
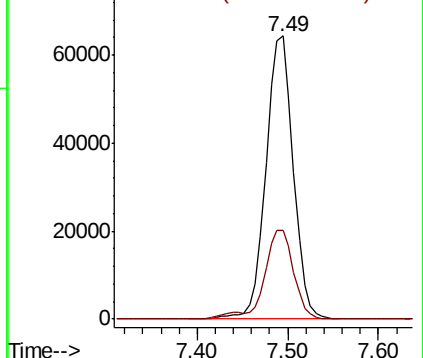
63 100

65 31.5 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.969 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

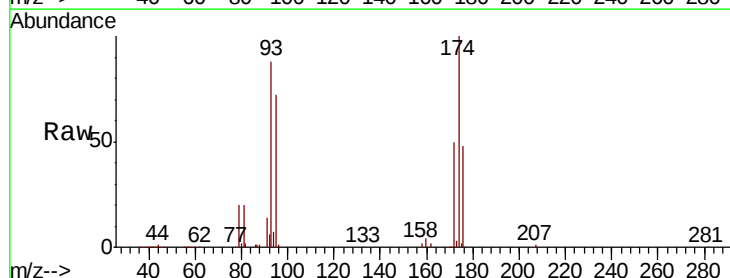
Tgt Ion: 93 Resp: 93002

Ion Ratio Lower Upper

93 100

95 84.4 66.6 100.0

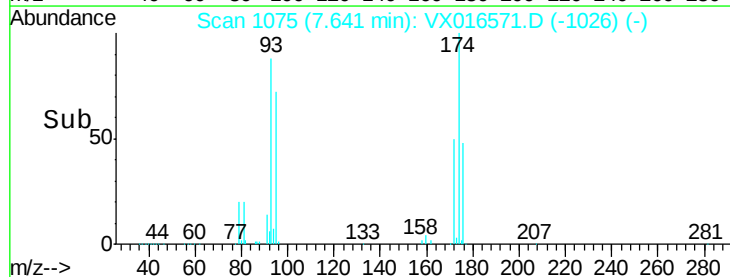
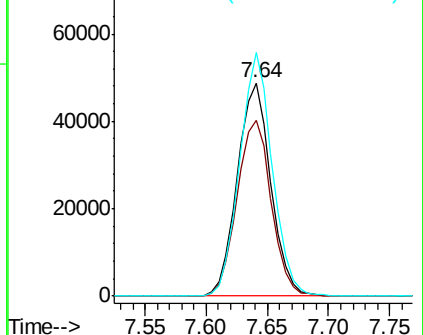
174 111.1 86.2 129.4

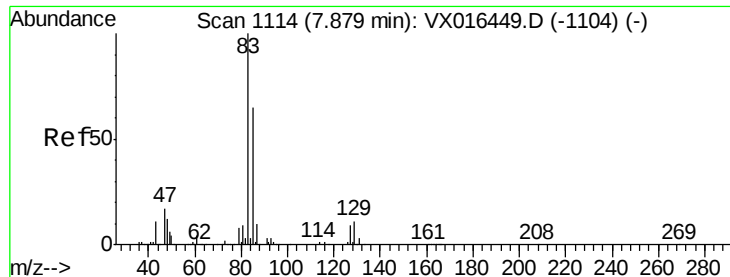


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.068 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

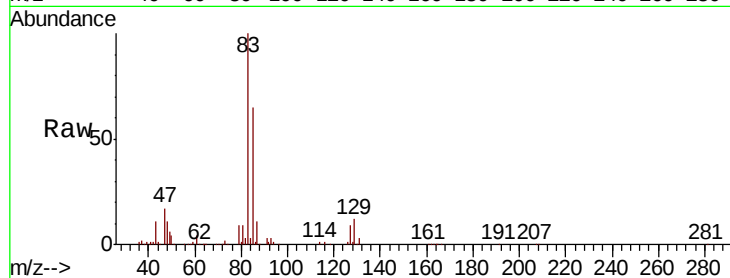
Tot Ion: 83 Resp: 196720

Ion Ratio Lower Upper

83 100

85 65.3 52.0 78.0

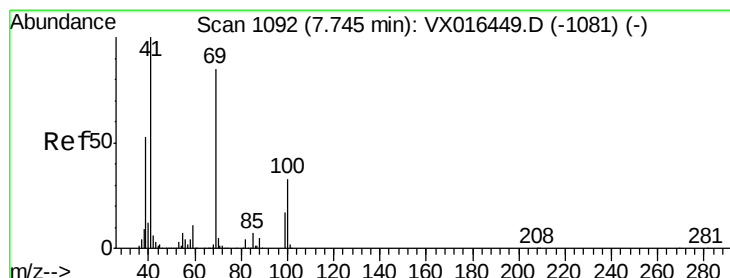
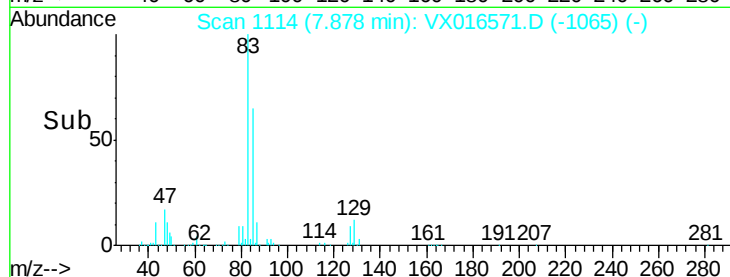
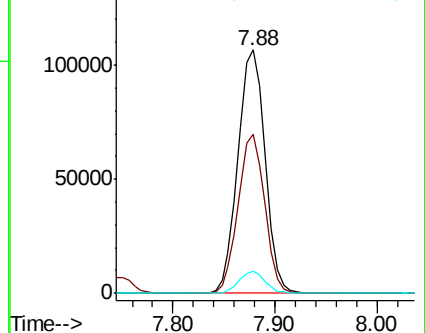
127 9.2 7.4 11.0



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: 48.875 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

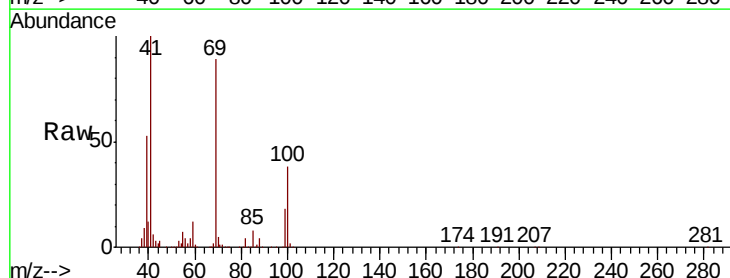
Tgt Ion: 41 Resp: 157035

Ion Ratio Lower Upper

41 100

69 89.7 68.6 102.8

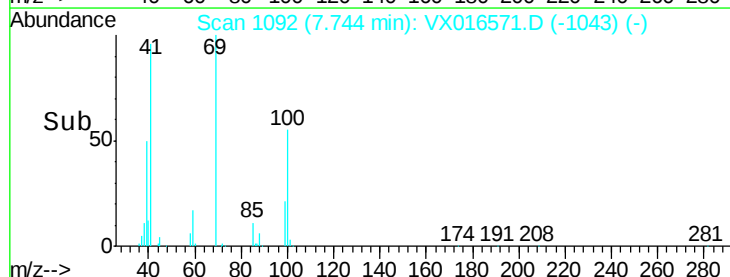
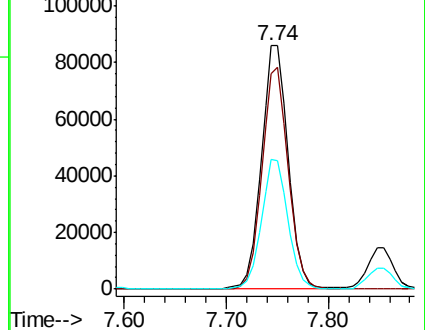
39 52.6 42.4 63.6

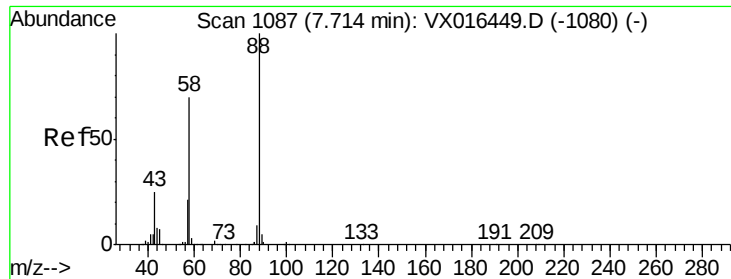


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

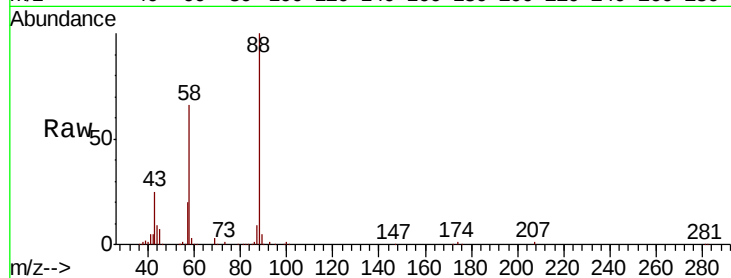




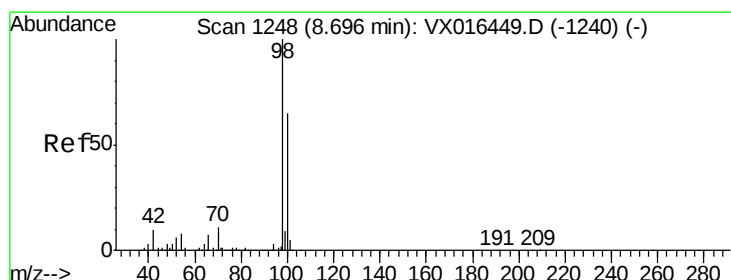
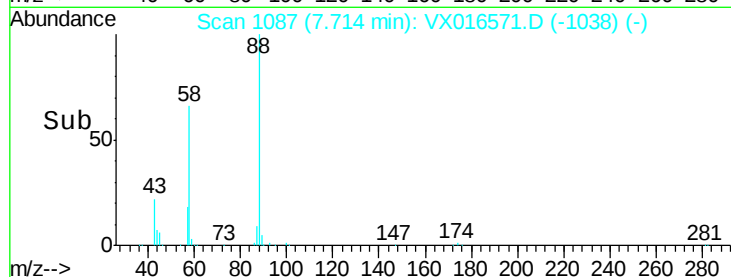
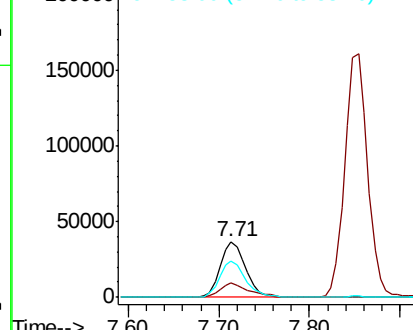
#49
1,4-Dioxane
Concen: 947.805 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion: 88 Resp: 71268
Ion Ratio Lower Upper
88 100
43 28.5 24.2 36.4
58 68.1 56.5 84.7

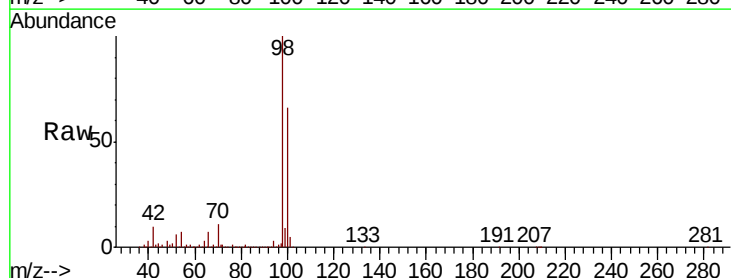


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

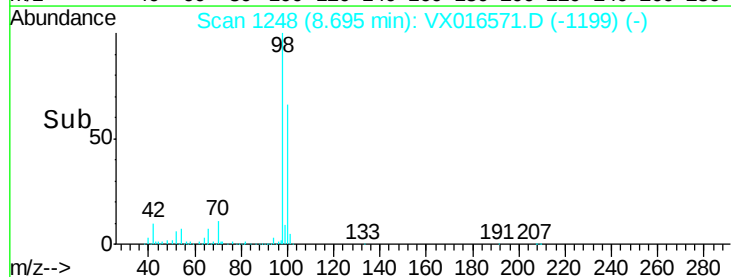
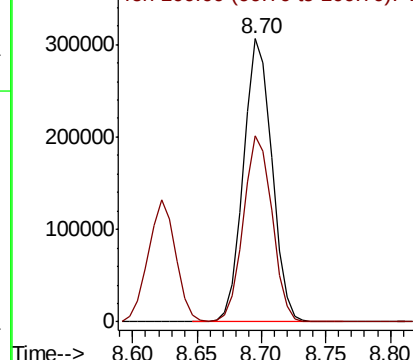


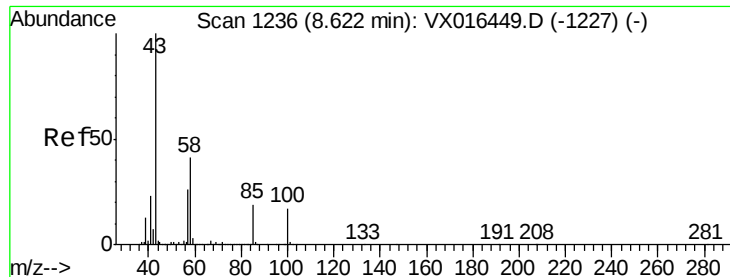
#50
Toluene-d8
Concen: 51.411 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion: 98 Resp: 466322
Ion Ratio Lower Upper
98 100
100 66.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 253.400 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

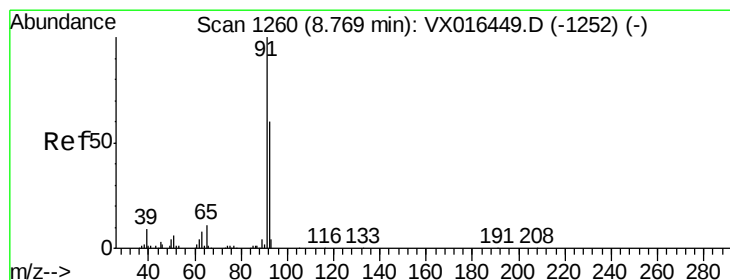
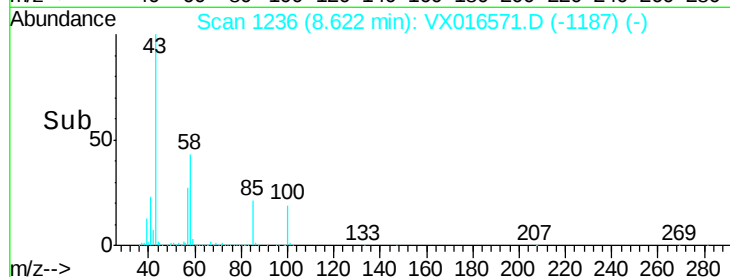
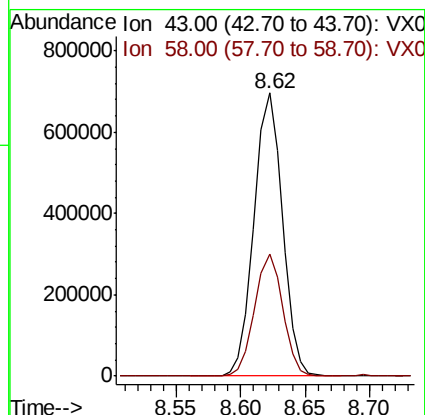
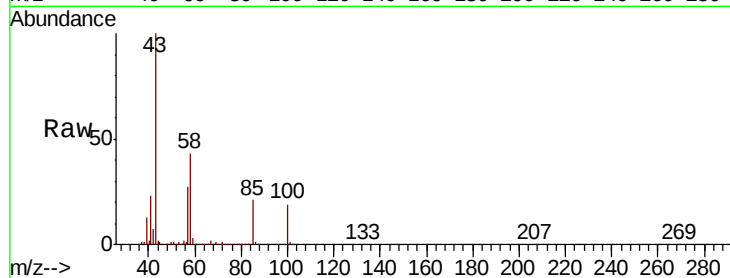
SP20-MMW3414MS

Tot Ion: 43 Resp: 1058807

Ion Ratio Lower Upper

43 100

58 42.6 33.0 49.6



#52

Toluene

Concen: 51.421 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016571.D

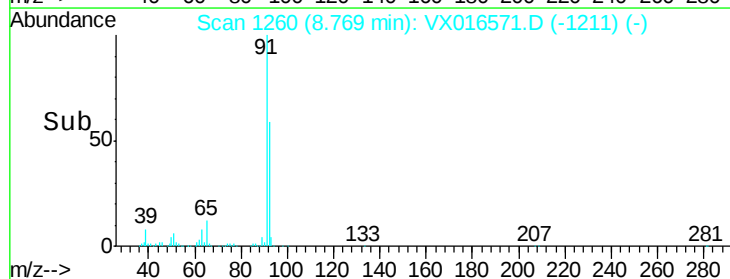
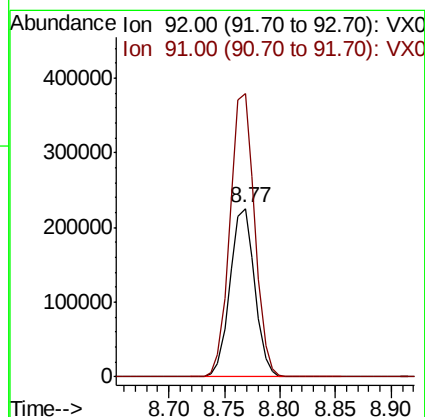
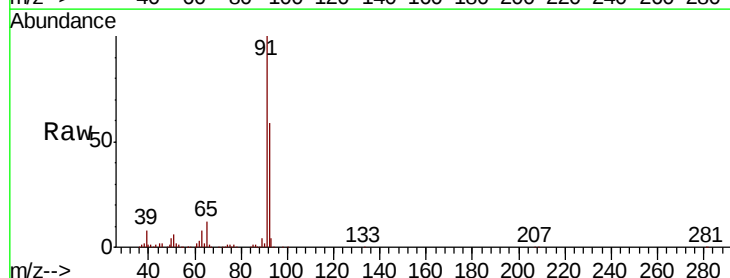
Acq: 03 Jun 2020 17:06

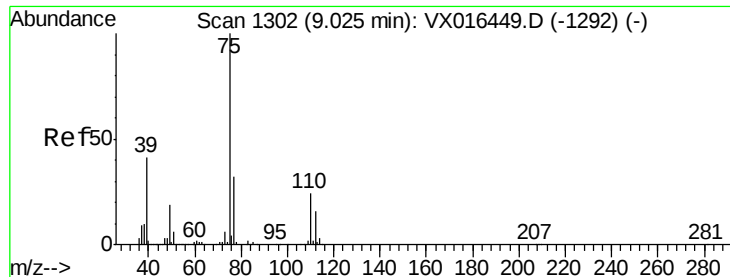
Tgt Ion: 92 Resp: 346018

Ion Ratio Lower Upper

92 100

91 168.0 135.0 202.4





#53

t-1,3-Dichloropropene

Concen: 52.005 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

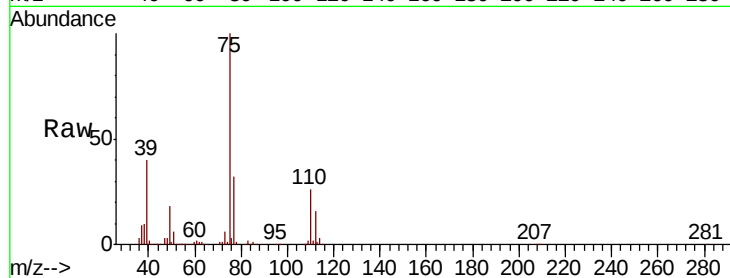
SP20-MMW3414MS

Tot Ion: 75 Resp: 223419

Ion Ratio Lower Upper

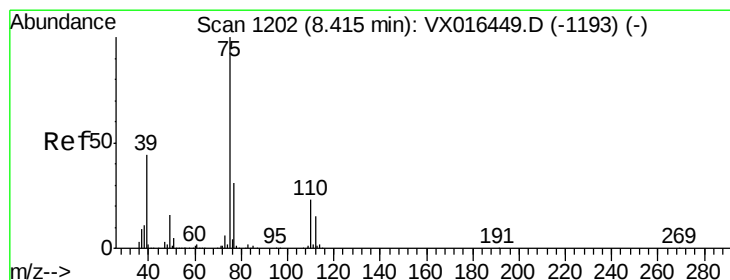
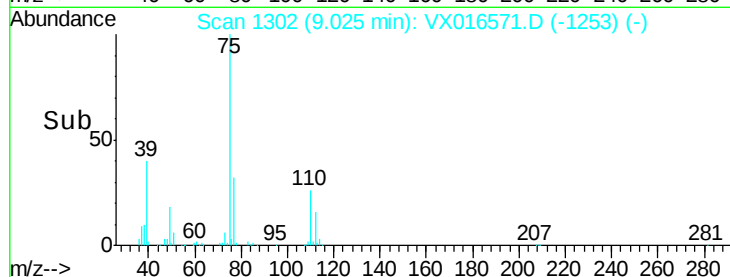
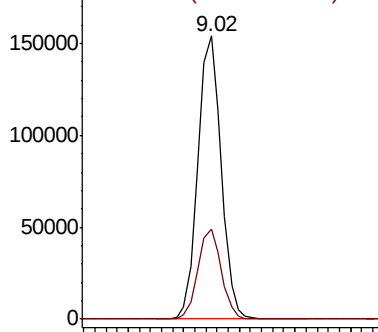
75 100

77 32.0 25.5 38.3



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: 50.990 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

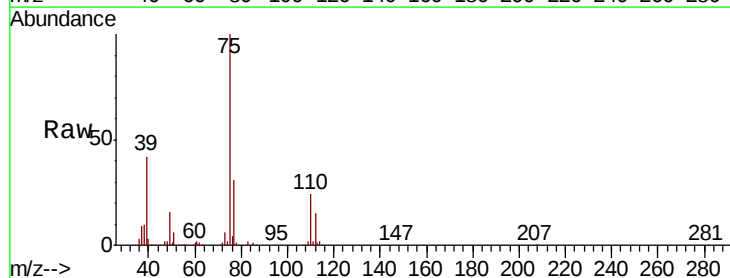
Tgt Ion: 75 Resp: 231867

Ion Ratio Lower Upper

75 100

77 31.1 24.6 36.8

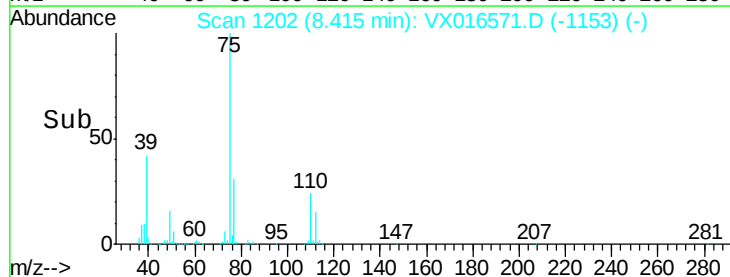
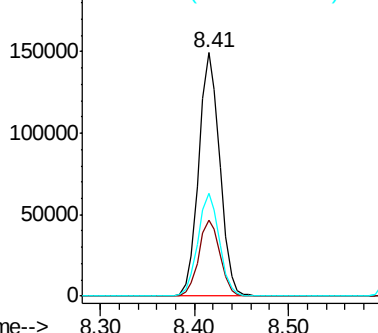
39 42.1 35.3 52.9

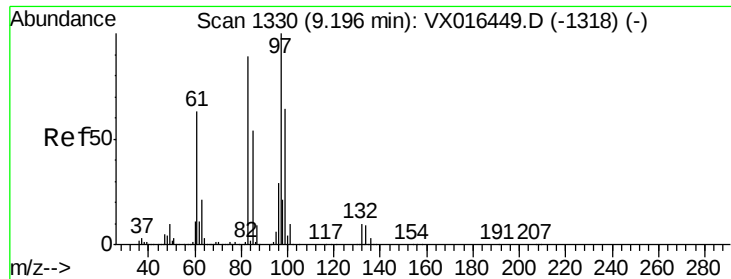


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

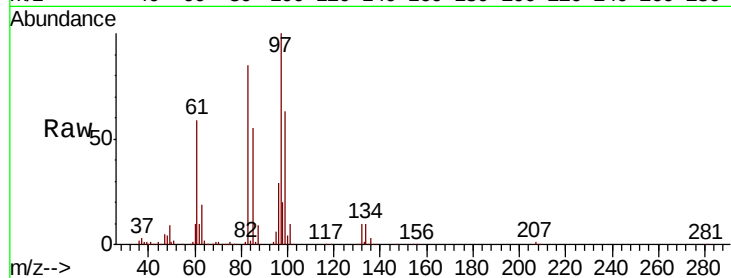




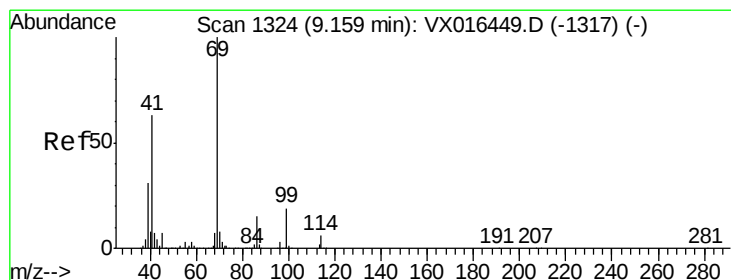
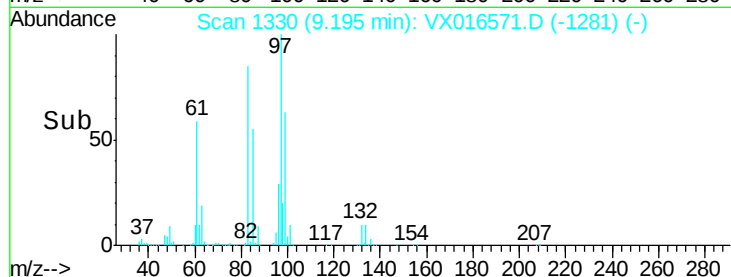
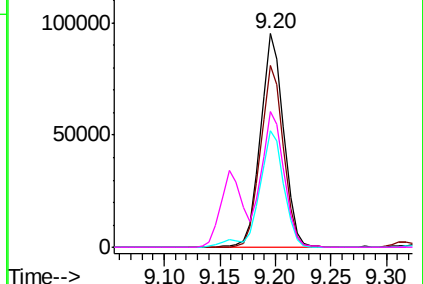
#55
 1,1,2-Trichloroethane
 Concen: 52.011 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Tot Ion:	97	Resp:	139155
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.9	106.3
85	54.7	43.4	65.2
99	63.5	51.0	76.6

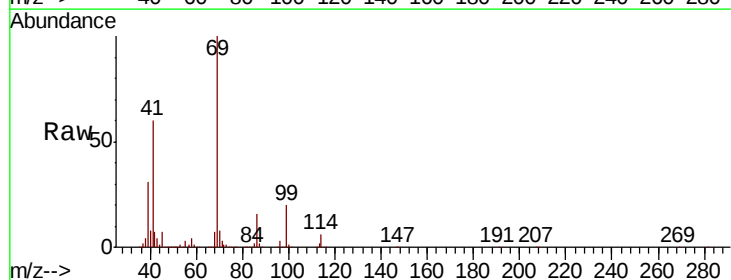


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

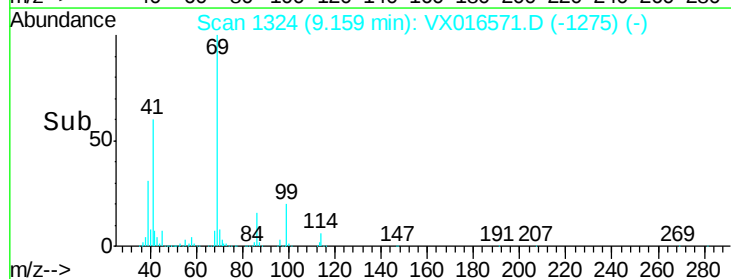
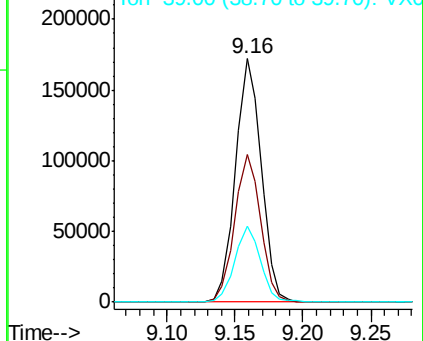


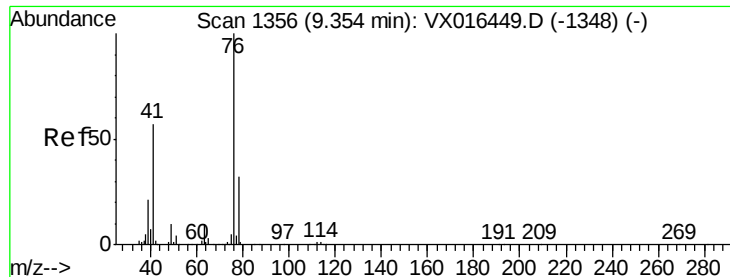
#56
 Ethyl methacrylate
 Concen: 52.193 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Tgt Ion:	69	Resp:	227424
Ion	Ratio	Lower	Upper
69	100		
41	61.0	50.7	76.1
39	31.1	25.8	38.6



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: 51.539 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

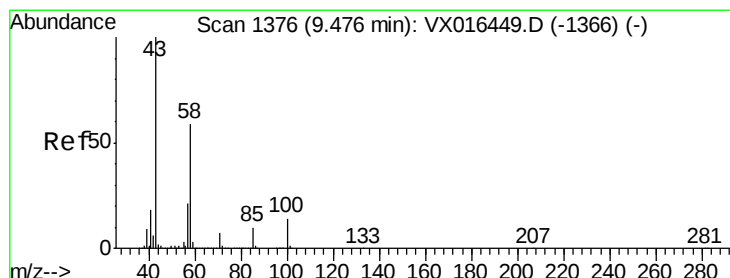
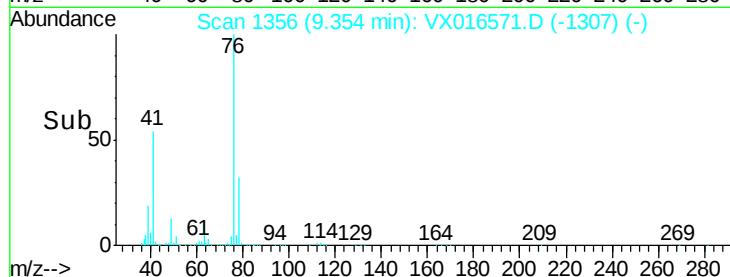
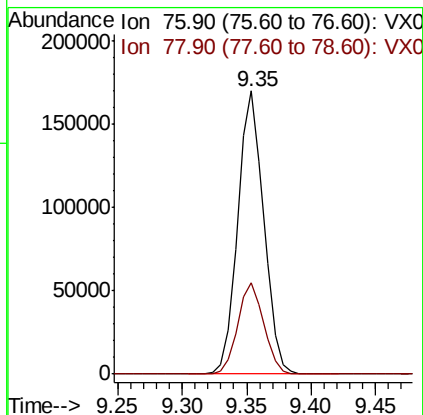
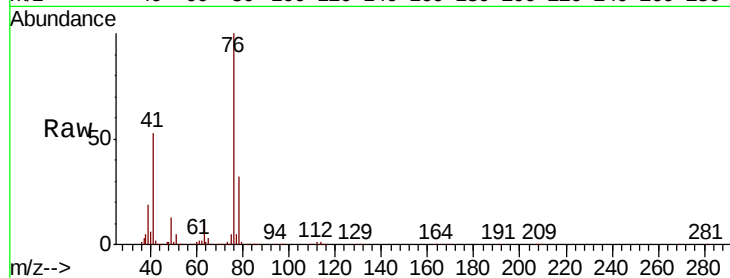
SP20-MMW3414MS

Tot Ion: 76 Resp: 236687

Ion Ratio Lower Upper

76 100

78 32.3 26.2 39.4



#59

2-Hexanone

Concen: 255.312 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX016571.D

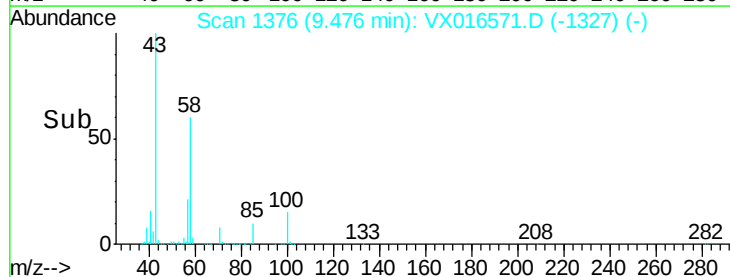
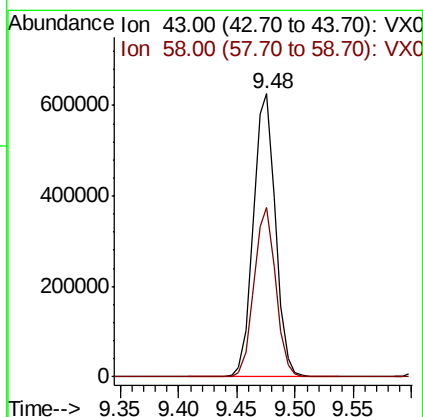
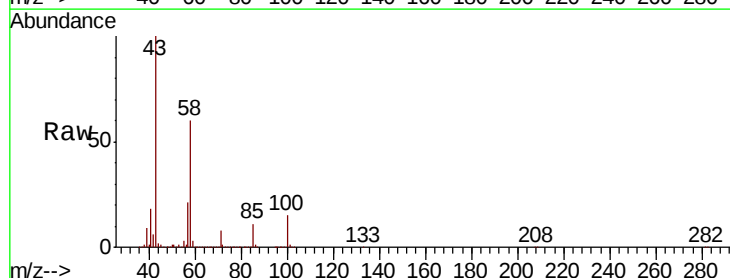
Acq: 03 Jun 2020 17:06

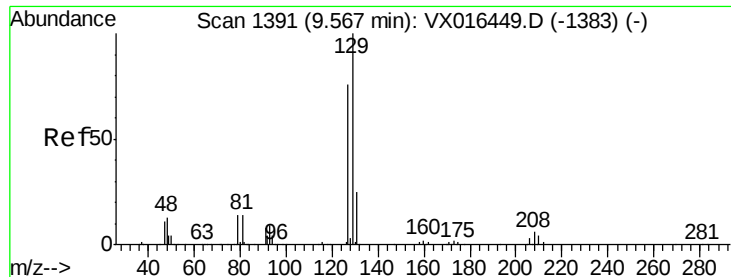
Tgt Ion: 43 Resp: 829601

Ion Ratio Lower Upper

43 100

58 59.3 28.8 86.4

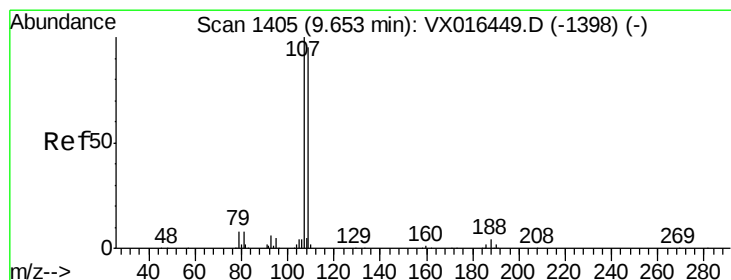
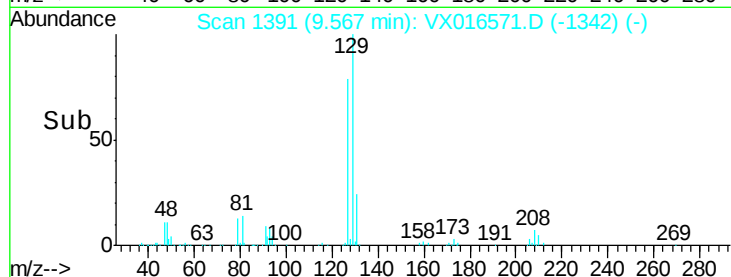
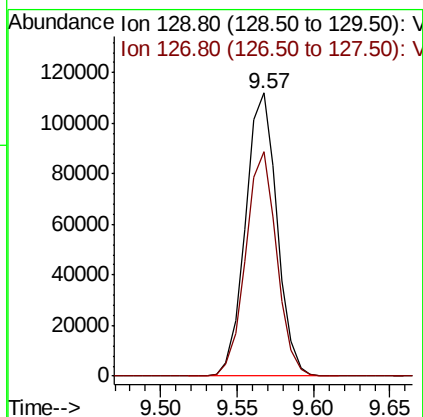
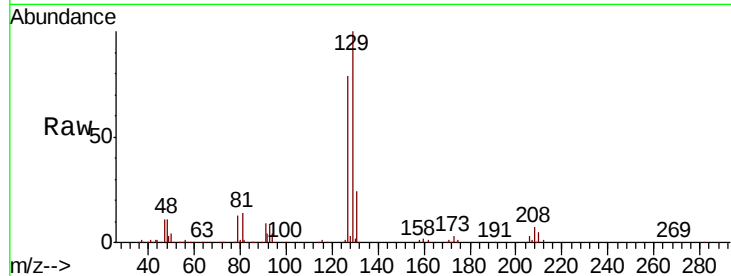




#60
 Dibromochloromethane
 Concen: 53.373 ug/l
 RT: 9.57 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

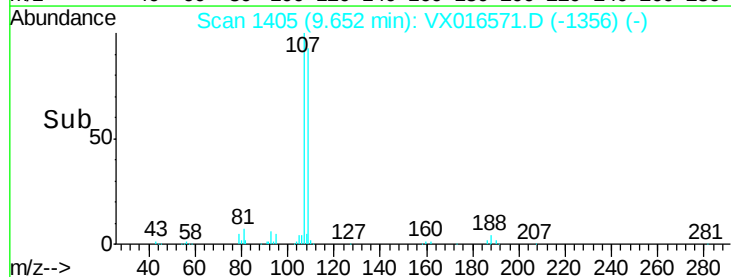
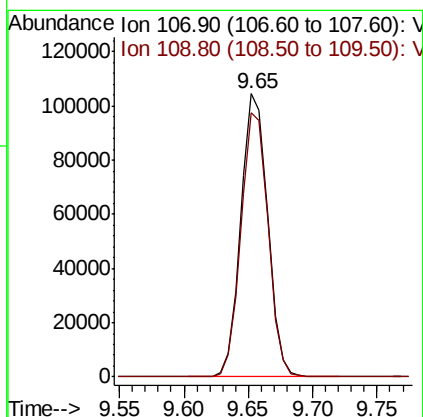
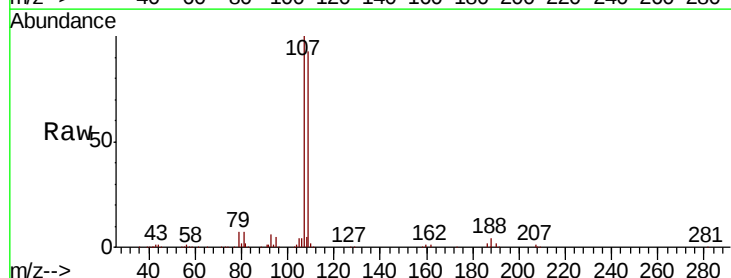
Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

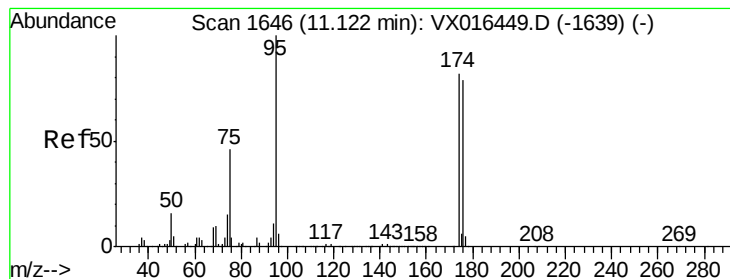
Tot Ion:129 Resp: 160702
 Ion Ratio Lower Upper
 129 100
 127 77.9 38.6 116.0



#61
 1,2-Dibromoethane
 Concen: 52.427 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Tgt Ion:107 Resp: 150207
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.5 113.3





#62

4-Bromofluorobenzene

Concen: 51.361 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

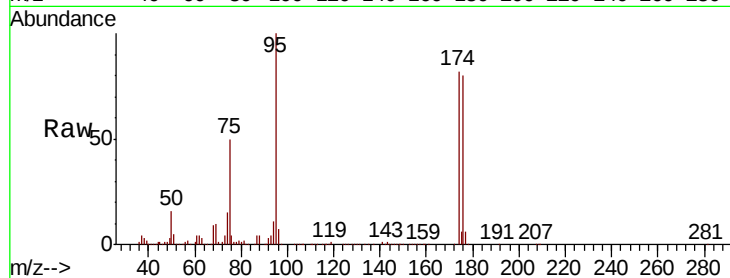
Tot Ion: 95 Resp: 180009

Ion Ratio Lower Upper

95 100

174 83.2 0.0 163.0

176 80.6 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016571.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016571.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016571.D (-1597) (-)

11.12

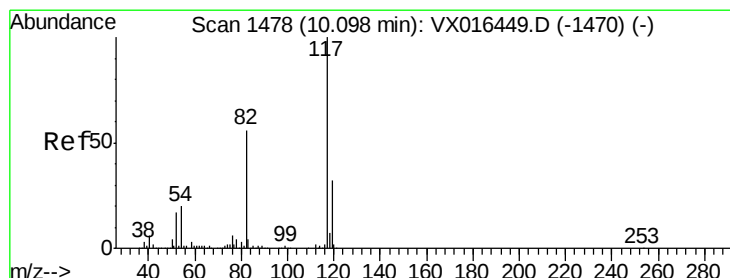
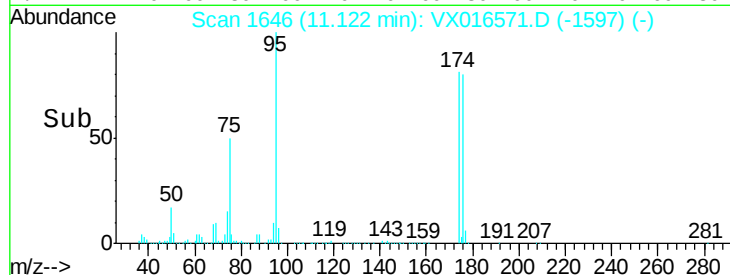
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

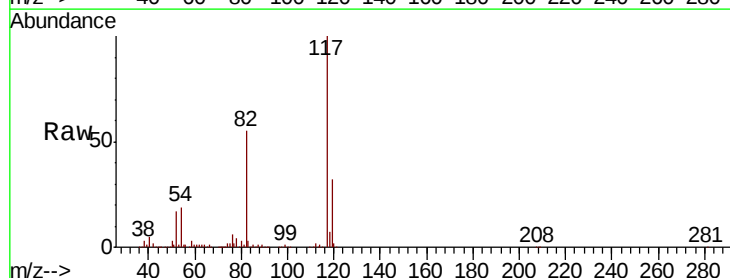
Tgt Ion: 117 Resp: 357433

Ion Ratio Lower Upper

117 100

82 54.9 45.0 67.6

119 32.4 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VX016571.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016571.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016571.D (-1429) (-)

10.10

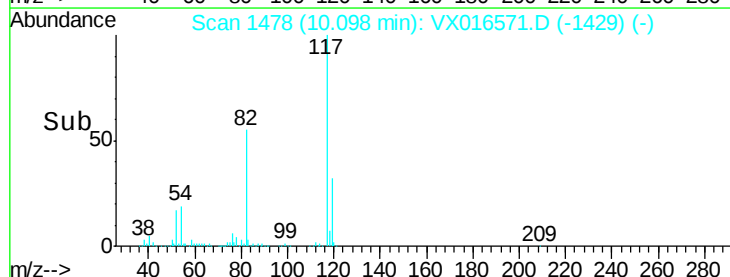
300000

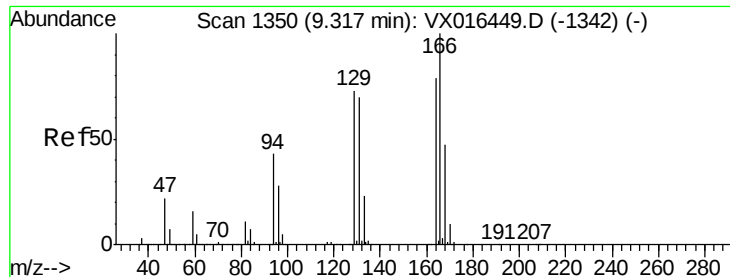
200000

100000

0

Time--> 10.00 10.10 10.20





#64

Tetrachloroethene

Concen: 42.679 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion:164 Resp: 170671

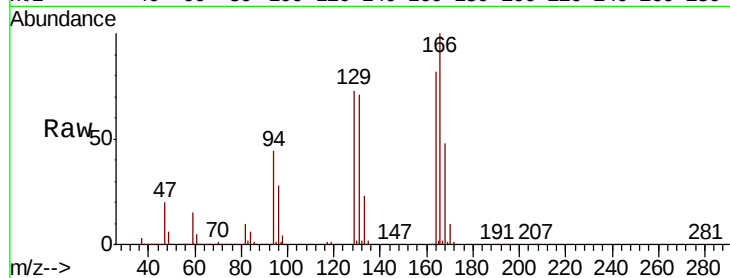
Ion Ratio Lower Upper

164 100

166 122.5 100.9 151.3

129 89.4 73.2 109.8

131 87.5 70.8 106.2

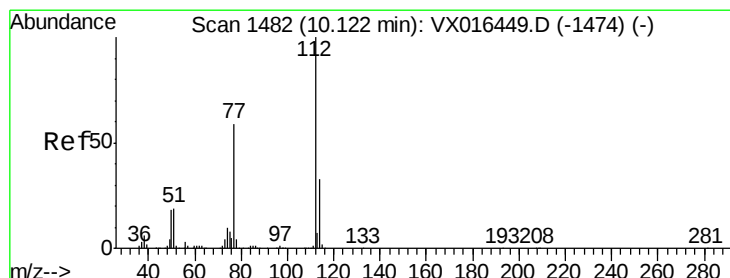
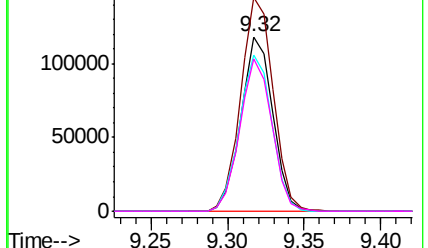
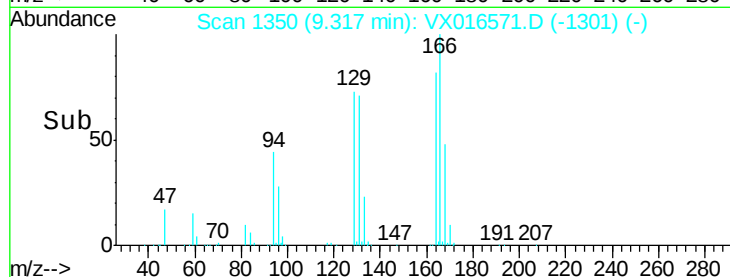


Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.823 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016571.D

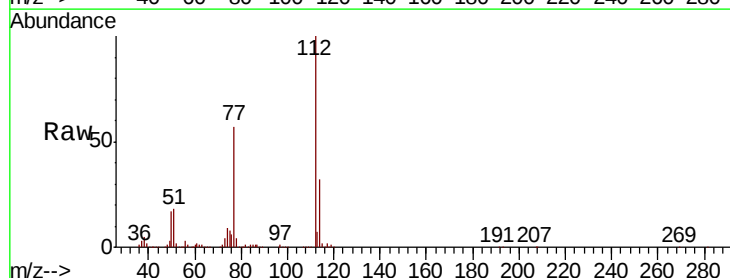
Acq: 03 Jun 2020 17:06

Tgt Ion:112 Resp: 370353

Ion Ratio Lower Upper

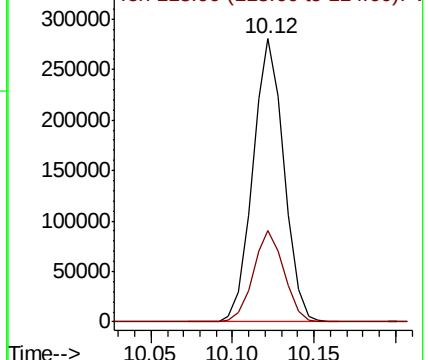
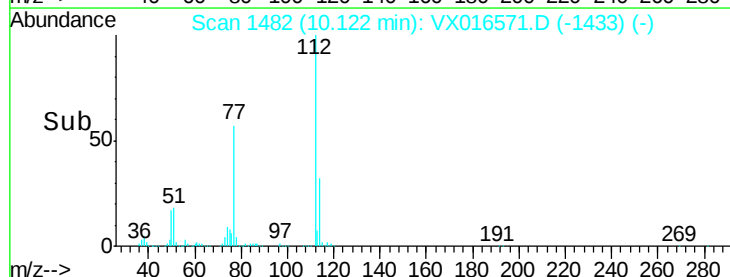
112 100

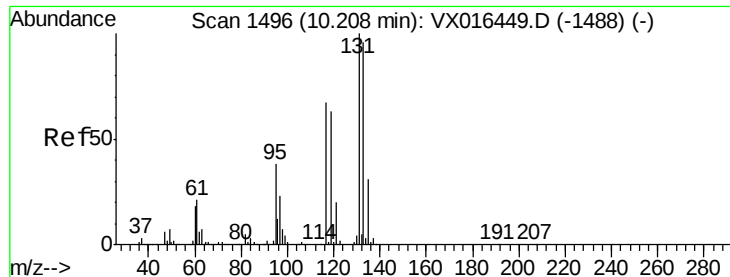
114 32.4 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.666 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

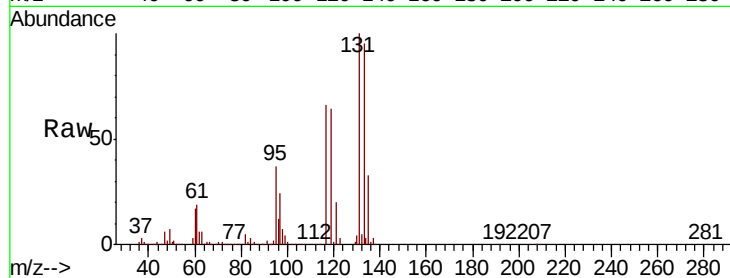
Tot Ion:131 Resp: 146498

Ion Ratio Lower Upper

131 100

133 96.7 48.4 145.3

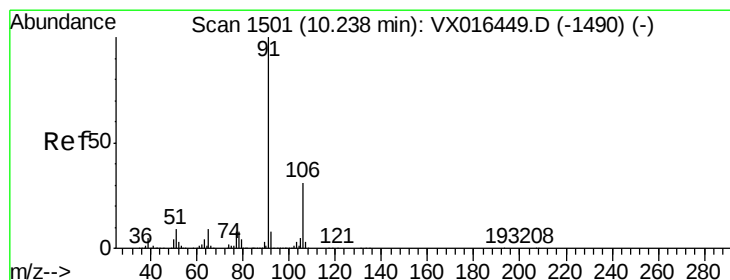
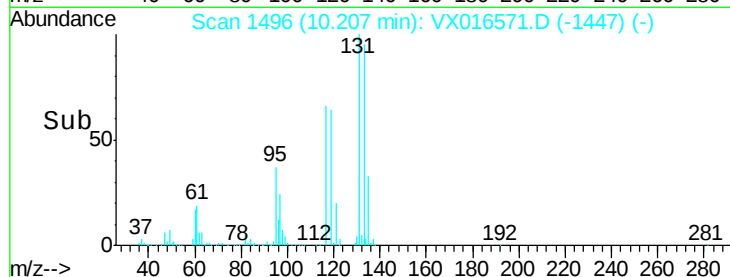
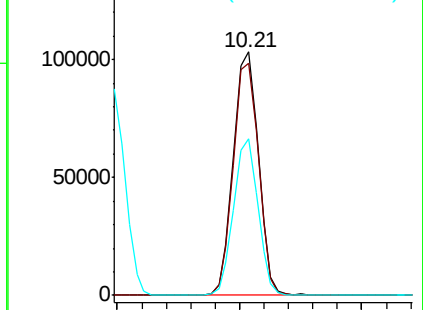
119 62.7 32.0 96.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 50.538 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016571.D

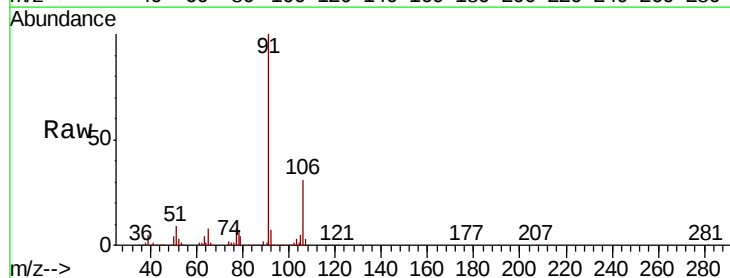
Acq: 03 Jun 2020 17:06

Tgt Ion: 91 Resp: 655683

Ion Ratio Lower Upper

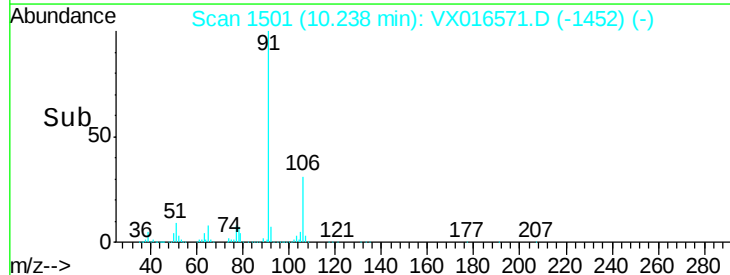
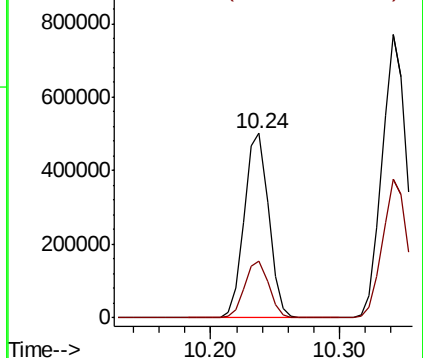
91 100

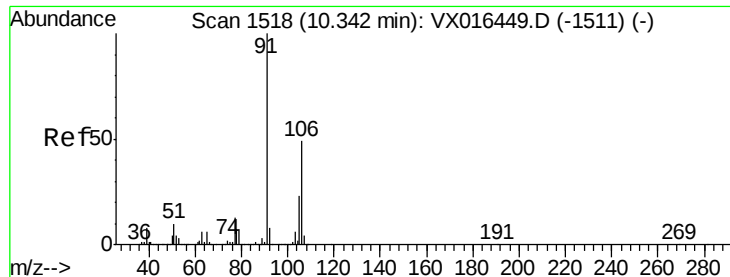
106 30.9 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

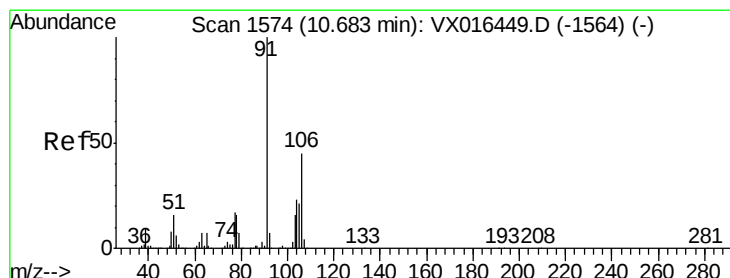
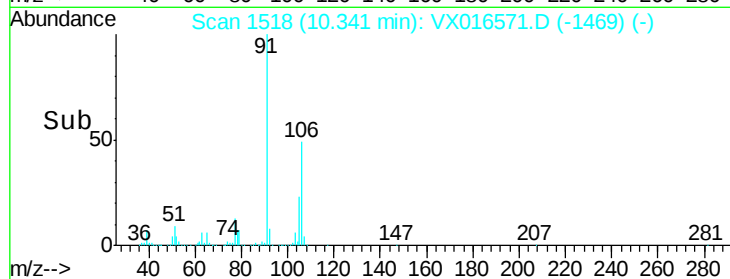
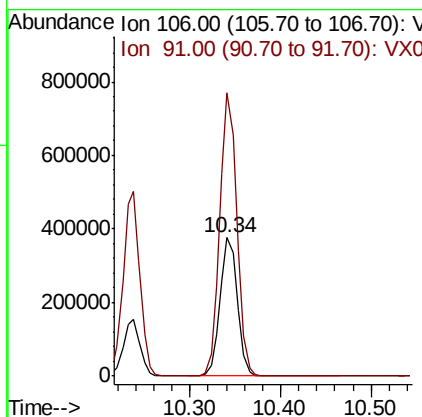
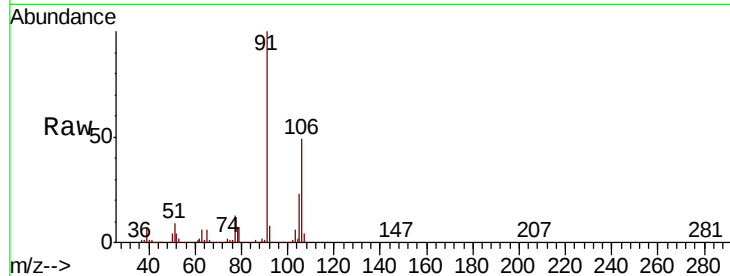




#68
m/p-Xylenes
Concen: 104.308 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

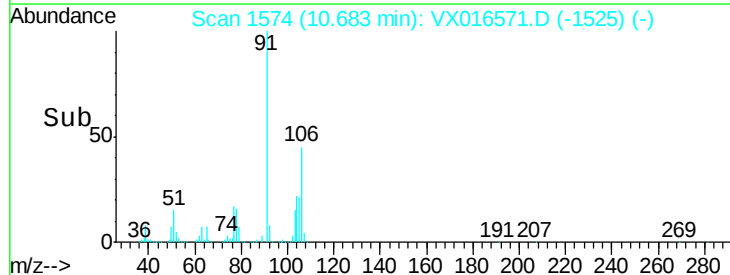
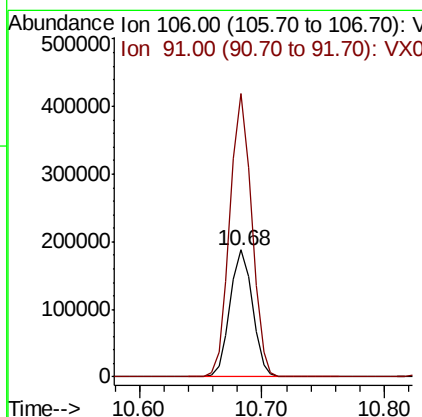
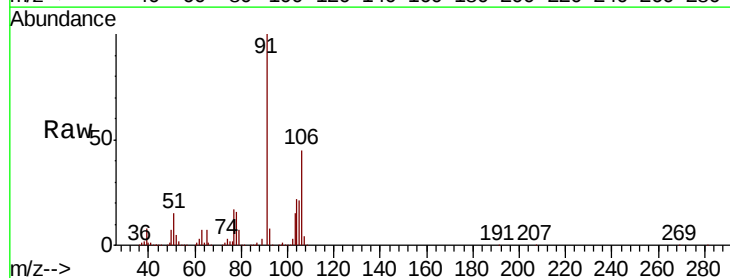
Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

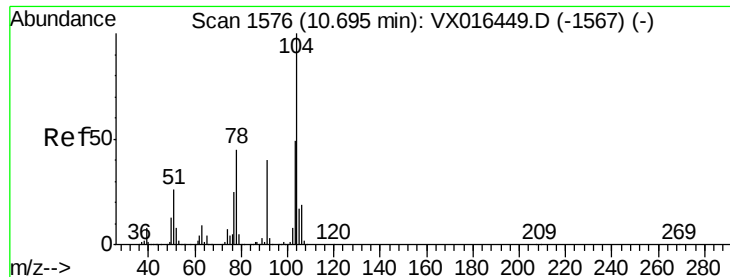
Tot Ion:106 Resp: 501766
Ion Ratio Lower Upper
106 100
91 202.6 163.8 245.8



#69
o-Xylene
Concen: 51.133 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion:106 Resp: 238214
Ion Ratio Lower Upper
106 100
91 218.1 109.6 328.8





#70

Stvrene

Concen: 52.474 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

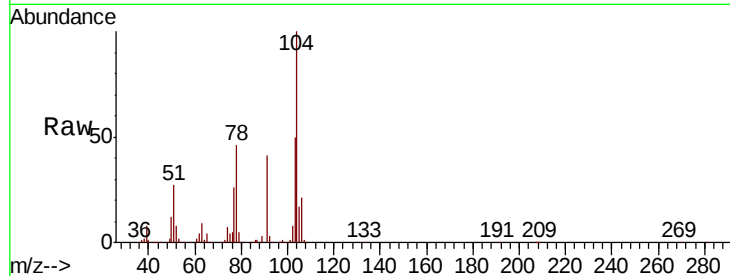
Tot Ion:104 Resp: 420191

Ion Ratio Lower Upper

104 100

78 50.3 40.2 60.2

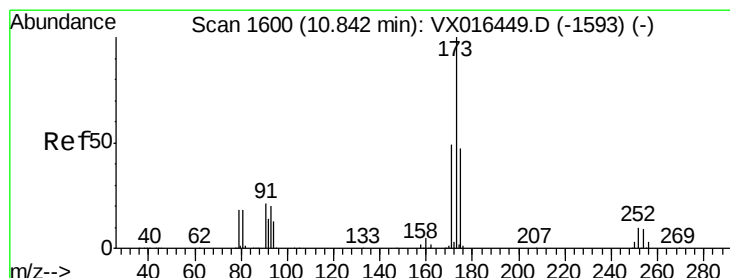
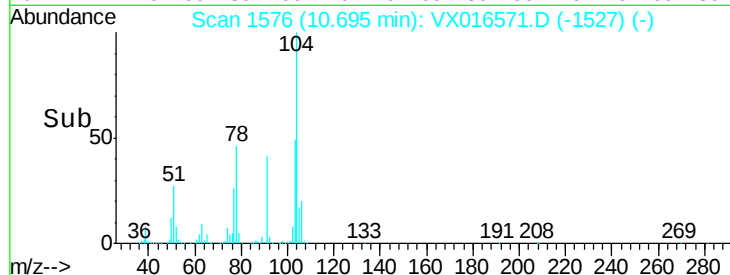
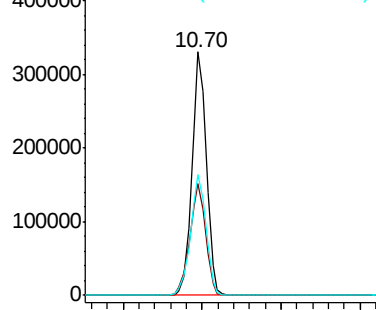
103 53.8 43.1 64.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 54.038 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

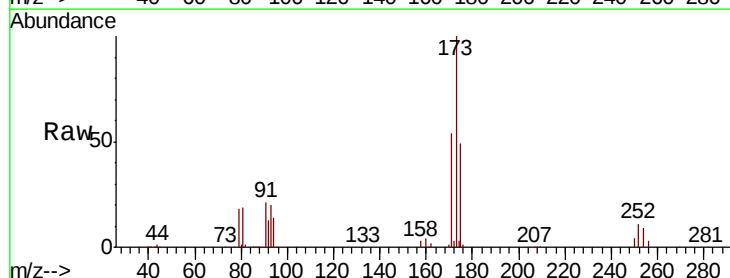
Tgt Ion:173 Resp: 127038

Ion Ratio Lower Upper

173 100

175 48.5 23.9 71.7

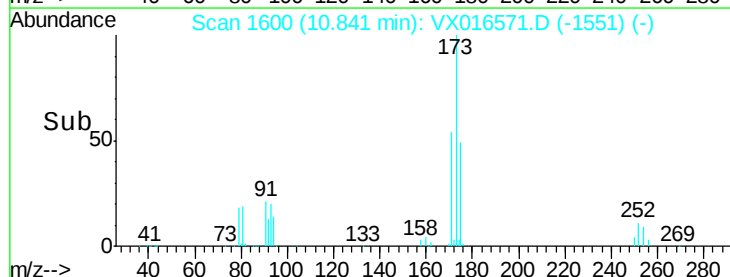
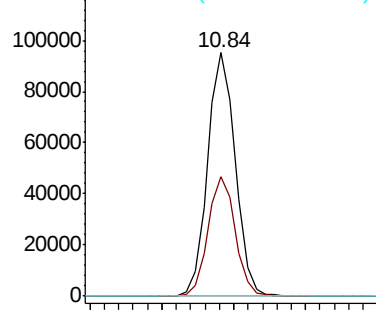
254 0.1 0.1 0.1#

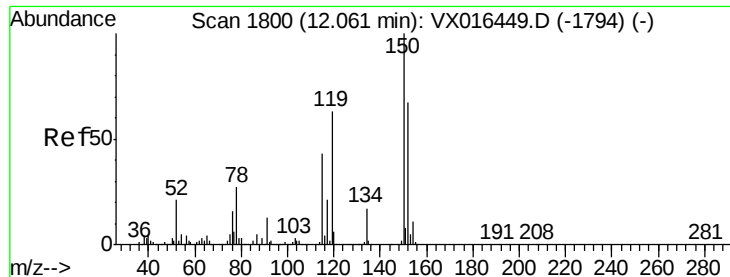


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

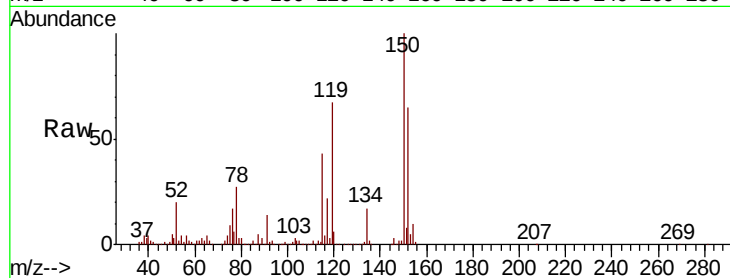
Tot Ion:152 Resp: 183542

Ion Ratio Lower Upper

152 100

115 80.4 39.9 119.6

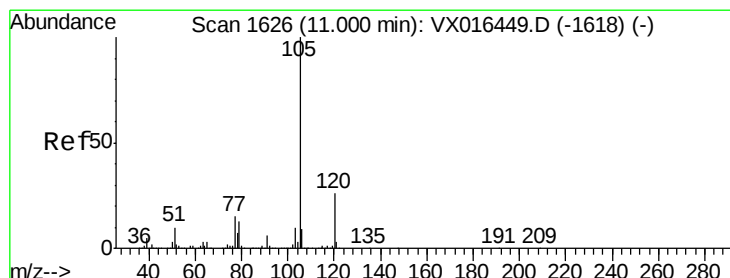
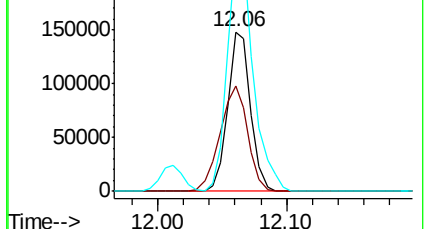
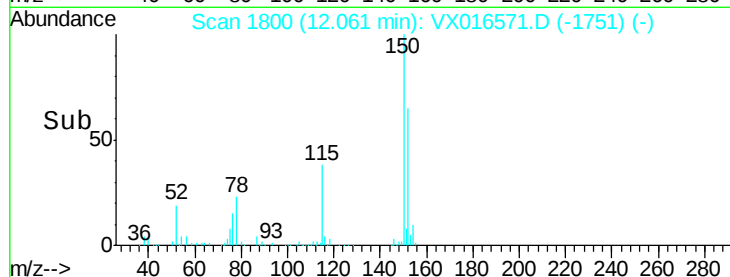
150 173.5 0.0 341.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 49.887 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016571.D

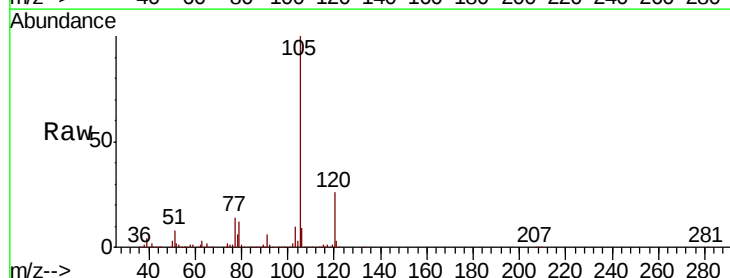
Acq: 03 Jun 2020 17:06

Tgt Ion:105 Resp: 634424

Ion Ratio Lower Upper

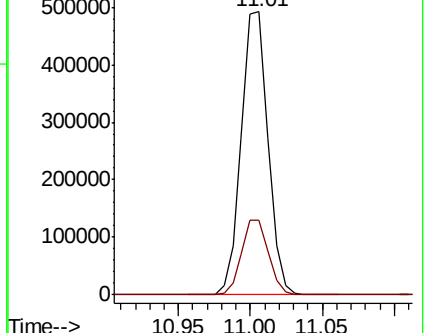
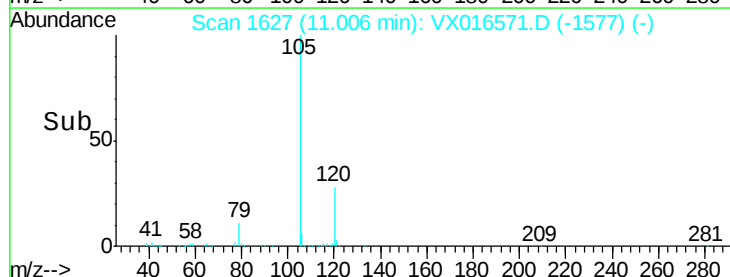
105 100

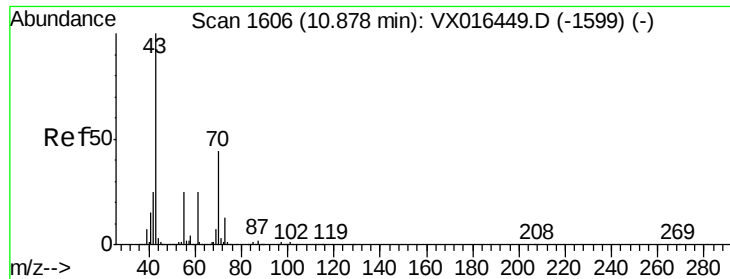
120 26.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

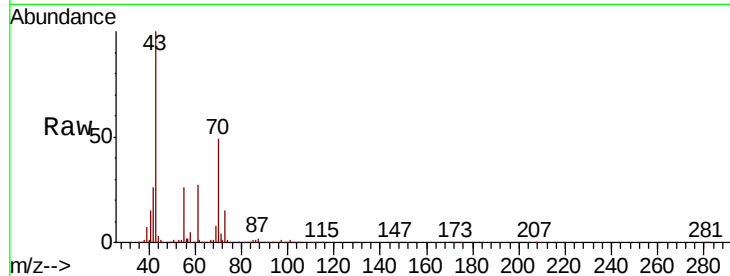




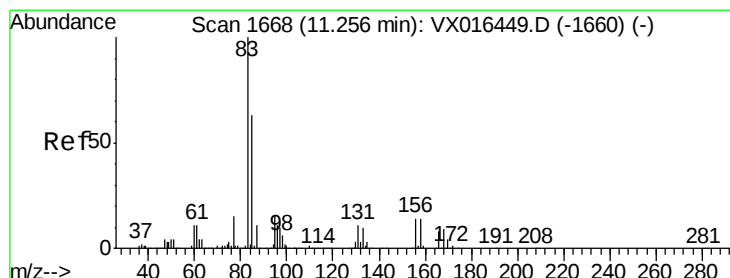
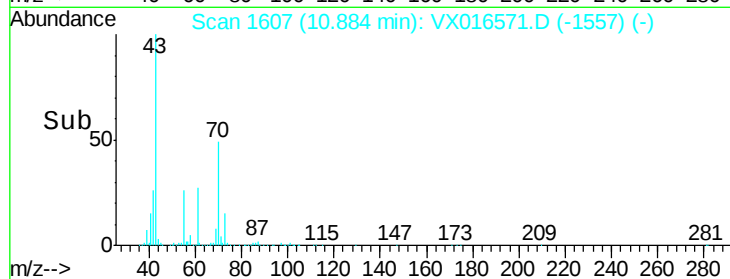
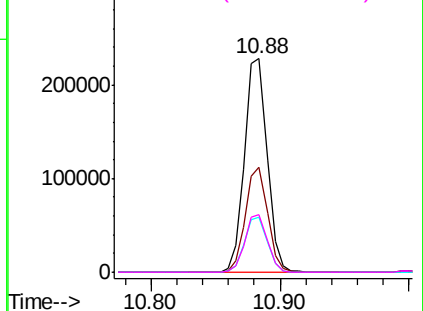
#74
N-amvl acetate
Concen: 47.307 ug/l
RT: 10.88 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion:	43	Resp:	276729
Ion	Ratio	Lower	Upper
43	100		
70	47.7	36.1	54.1
55	26.0	20.2	30.4
61	26.3	20.3	30.5

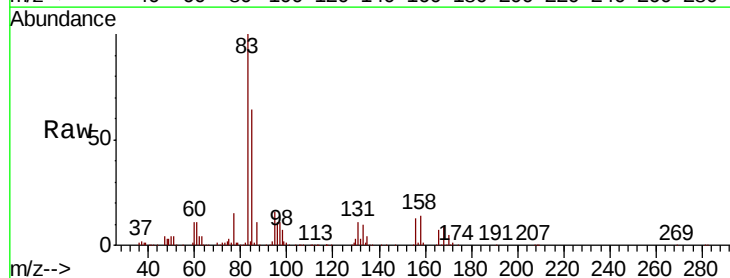


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0

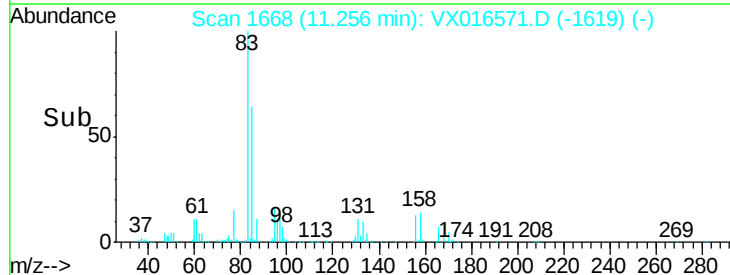
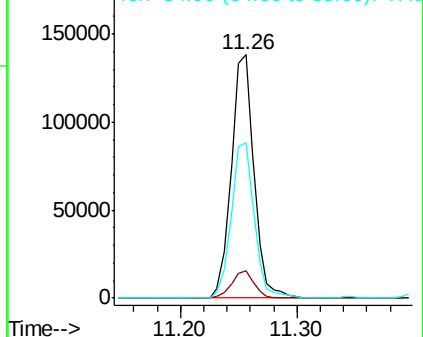


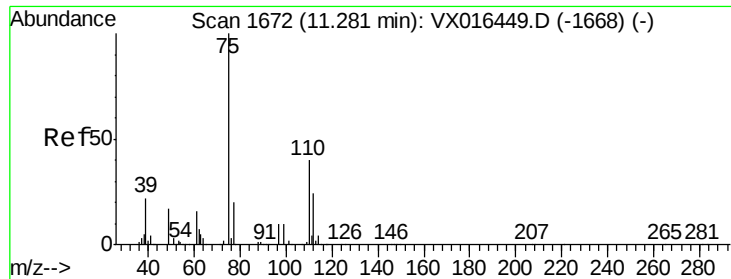
#75
1,1,2,2-Tetrachloroethane
Concen: 58.800 ug/l
RT: 11.26 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion:	83	Resp:	187409
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.1	15.3
85	64.9	32.0	96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 66.599 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

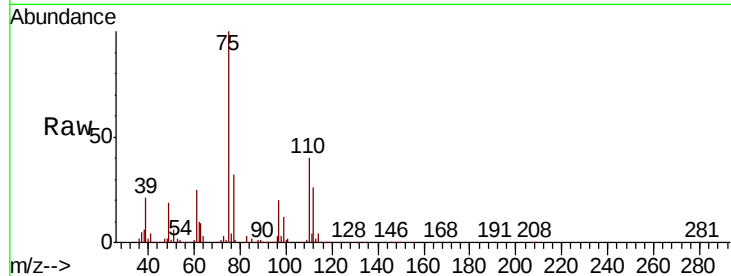
SP20-MMW3414MS

Tot Ion: 75 Resp: 268682

Ion Ratio Lower Upper

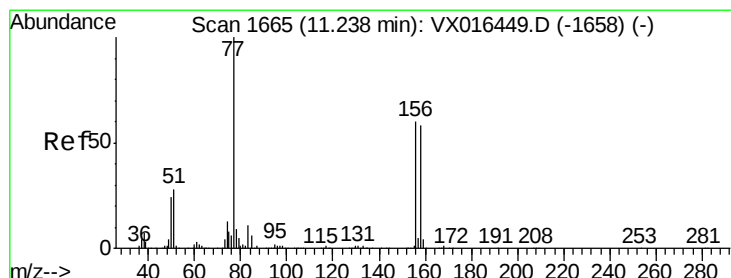
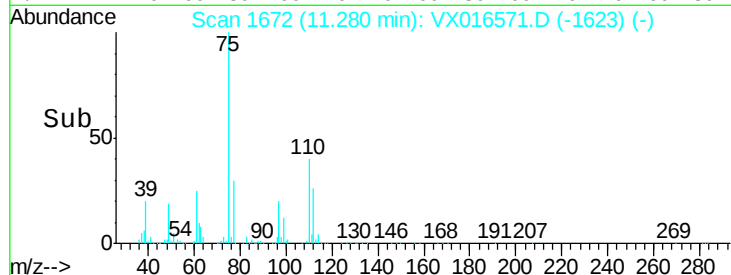
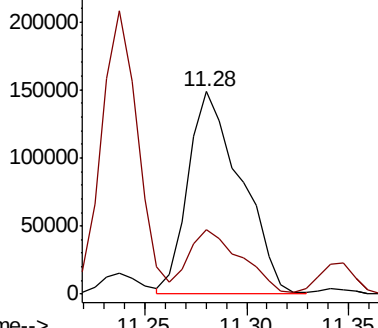
75 100

77 31.5 21.3 63.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 50.092 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

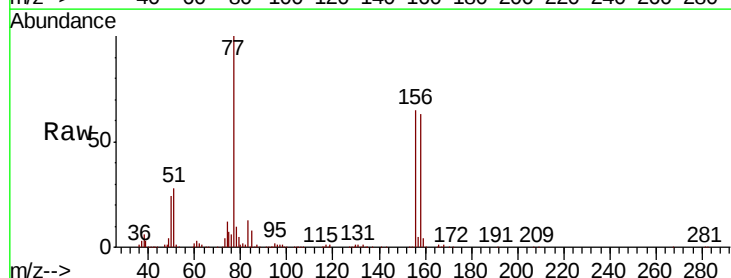
Tgt Ion: 156 Resp: 167083

Ion Ratio Lower Upper

156 100

77 154.6 79.6 238.8

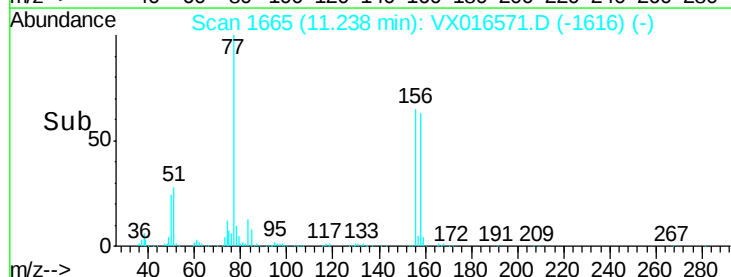
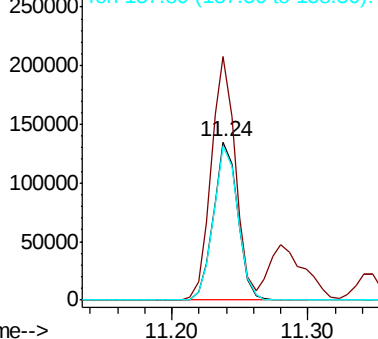
158 98.8 48.1 144.4

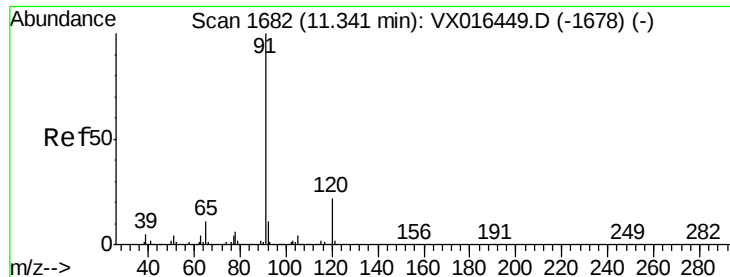


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 50.701 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

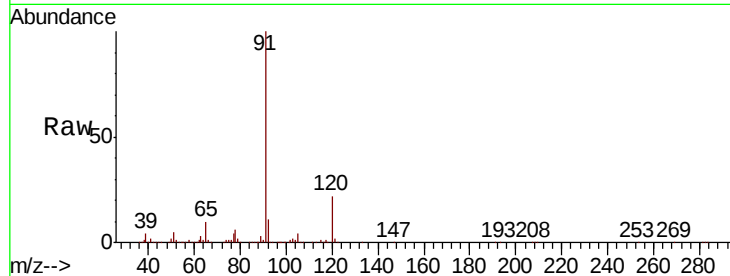
SP20-MMW3414MS

Tot Ion: 91 Resp: 720357

Ion Ratio Lower Upper

91 100

120 23.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

600000

400000

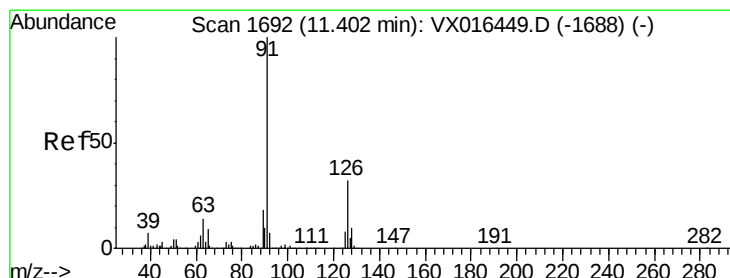
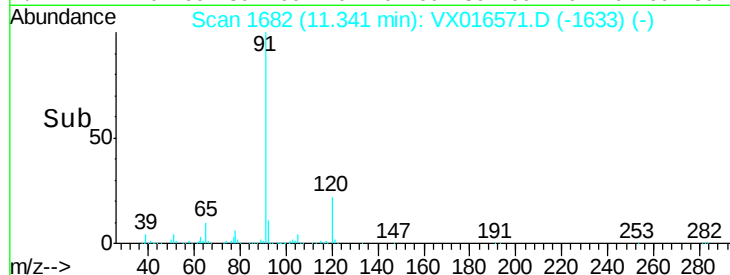
200000

0

11.34

11.35

Time-->



#79

2-Chlorotoluene

Concen: 50.402 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016571.D

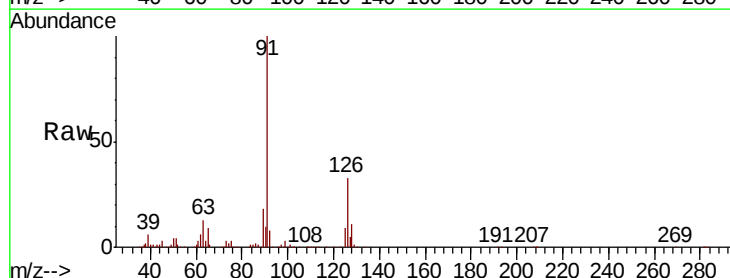
Acq: 03 Jun 2020 17:06

Tgt Ion: 91 Resp: 437114

Ion Ratio Lower Upper

91 100

126 33.8 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

600000

500000

400000

300000

200000

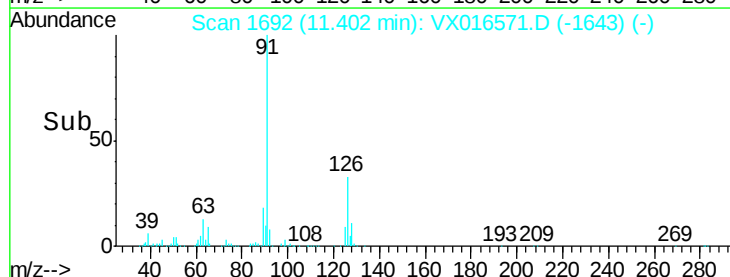
100000

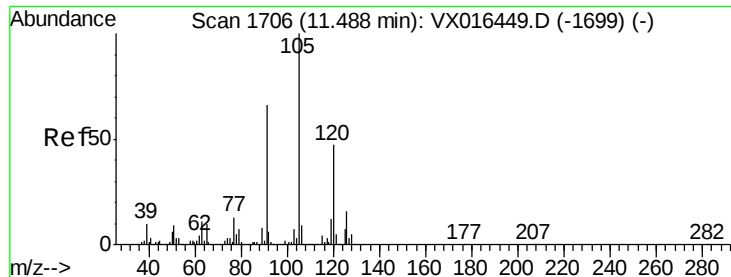
0

11.40

11.45

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 51.684 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

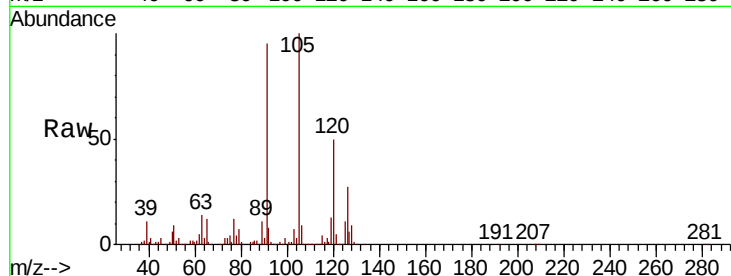
SP20-MMW3414MS

Tot Ion:105 Resp: 548820

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

400000

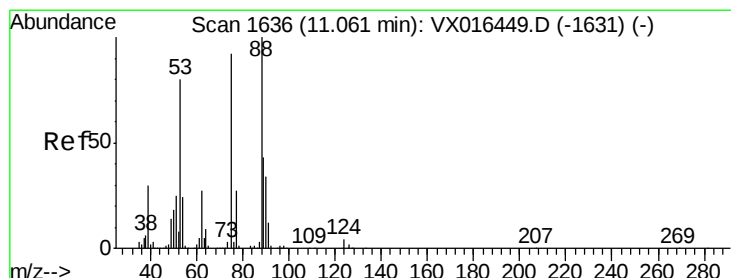
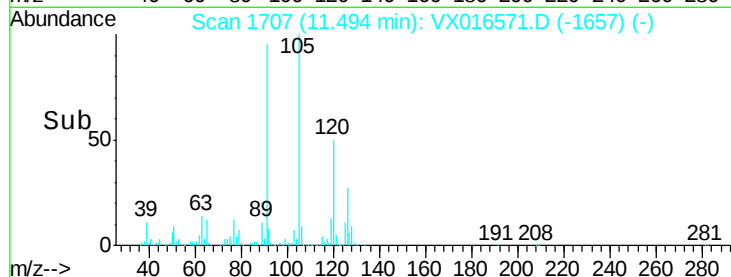
300000

200000

100000

0

Time--> 11.40 11.50



#81

trans-1,4-Dichloro-2-butene

Concen: 48.803 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

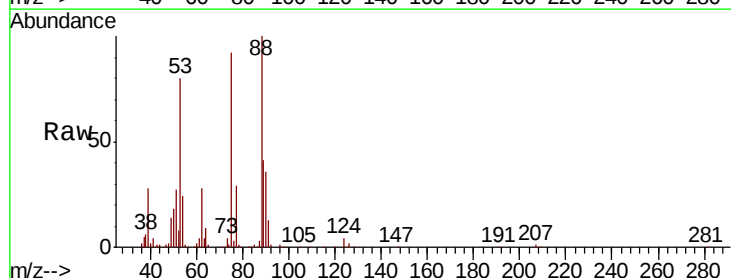
Tgt Ion: 75 Resp: 80040

Ion Ratio Lower Upper

75 100

53 88.0 71.3 106.9

89 45.2 36.6 55.0



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

100000

80000

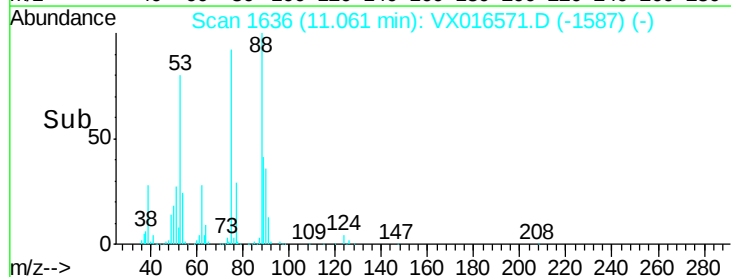
60000

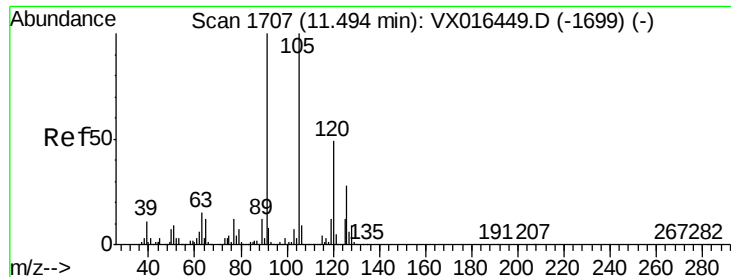
40000

20000

0

Time--> 11.00 11.05 11.10

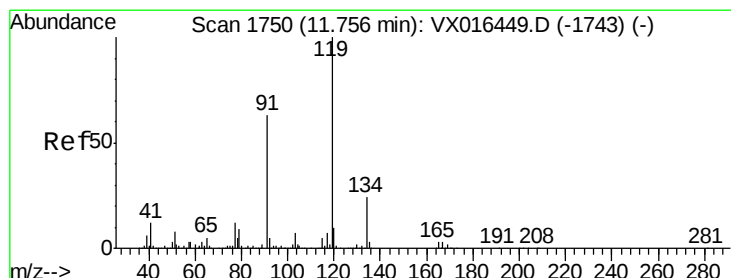
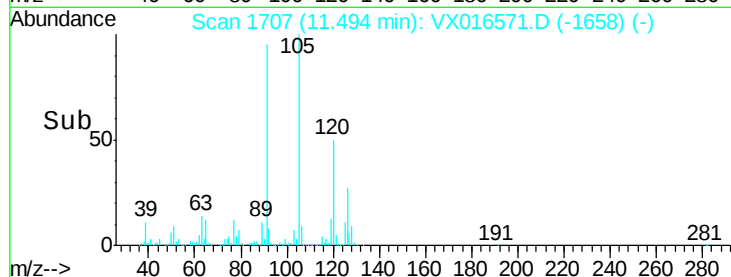
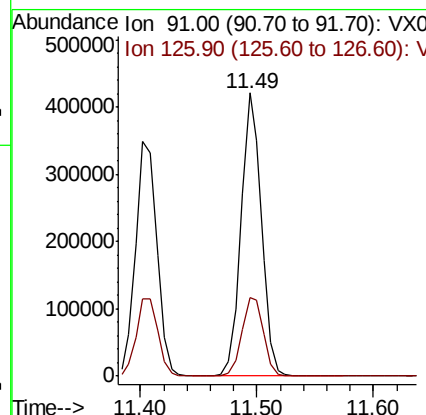
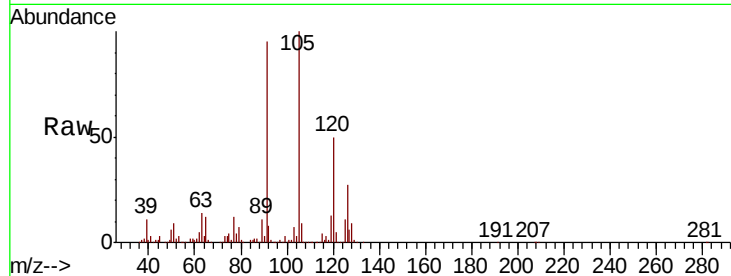




#82
4-Chlorotoluene
Concen: 50.084 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

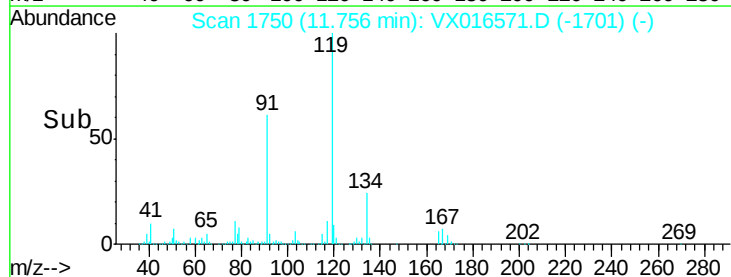
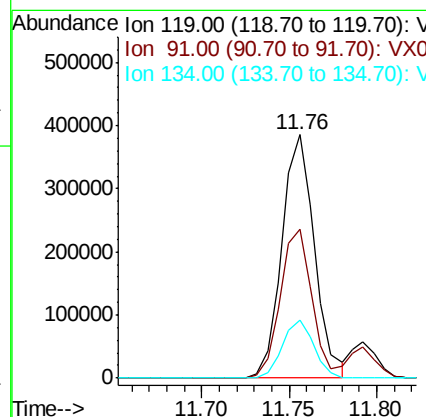
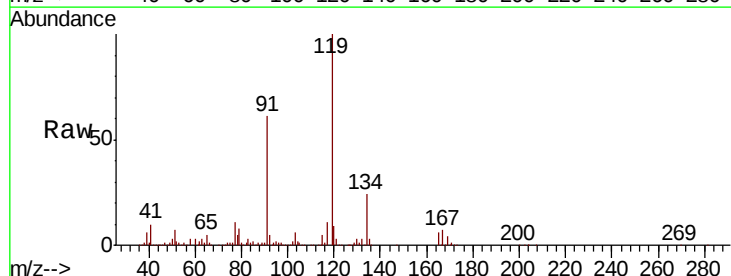
Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

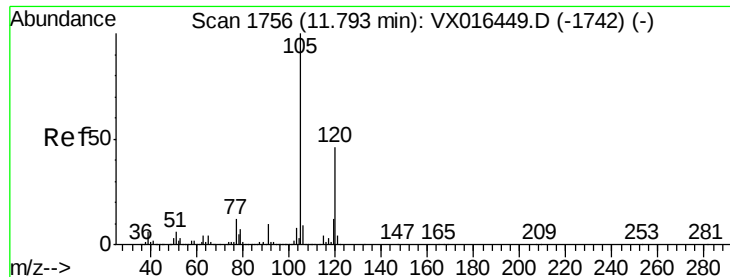
Tot Ion: 91 Resp: 512925
Ion Ratio Lower Upper
91 100
126 29.4 14.7 44.1



#83
tert-Butylbenzene
Concen: 55.120 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion: 119 Resp: 500114
Ion Ratio Lower Upper
119 100
91 59.1 31.3 93.8
134 23.1 12.0 36.0





#84

1,2,4-Trimethylbenzene

Concen: 51.366 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

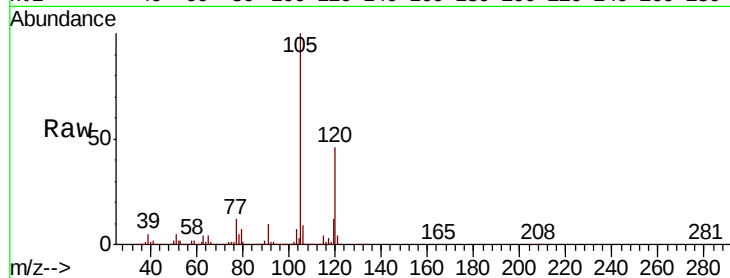
SP20-MMW3414MS

Tot Ion:105 Resp: 551614

Ion Ratio Lower Upper

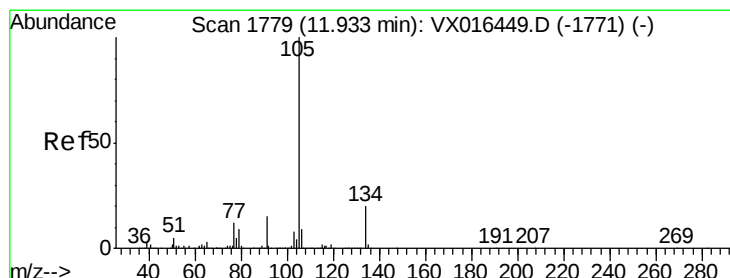
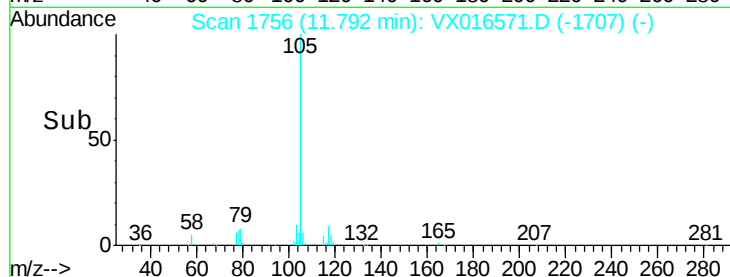
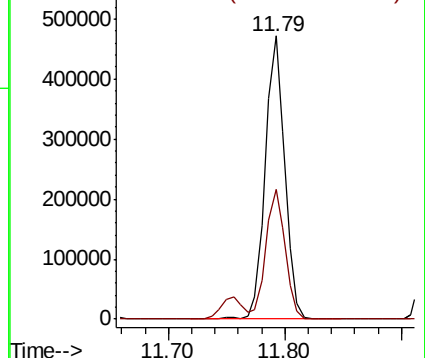
105 100

120 45.6 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 53.205 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016571.D

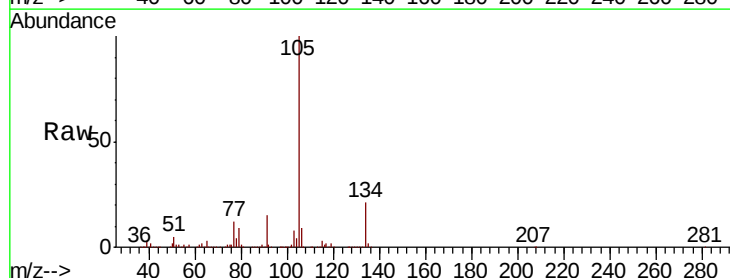
Acq: 03 Jun 2020 17:06

Tgt Ion:105 Resp: 605580

Ion Ratio Lower Upper

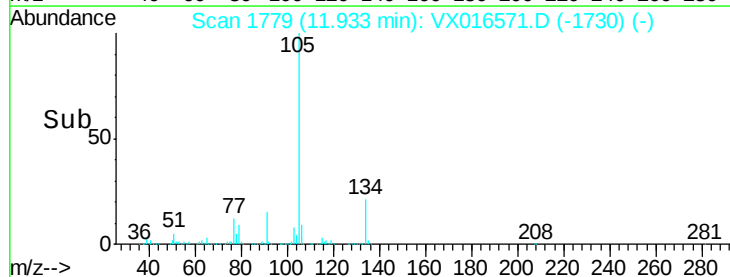
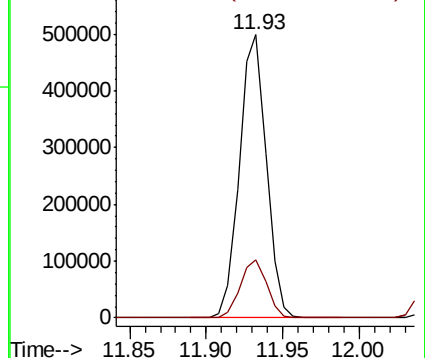
105 100

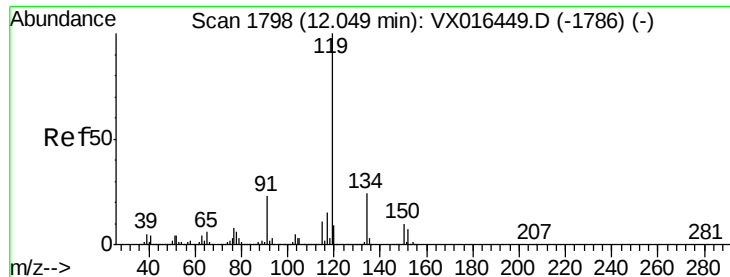
134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

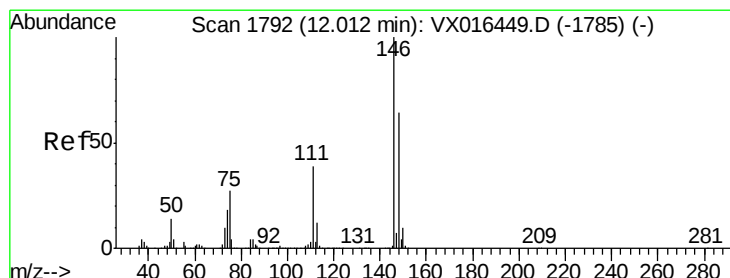
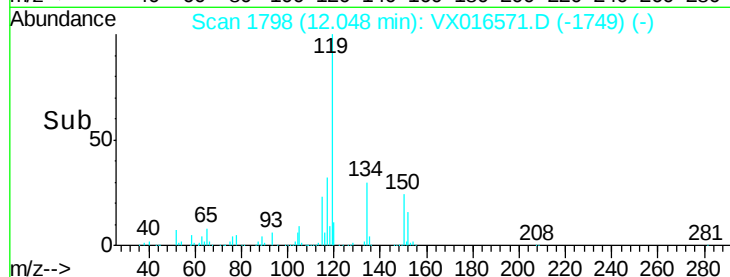
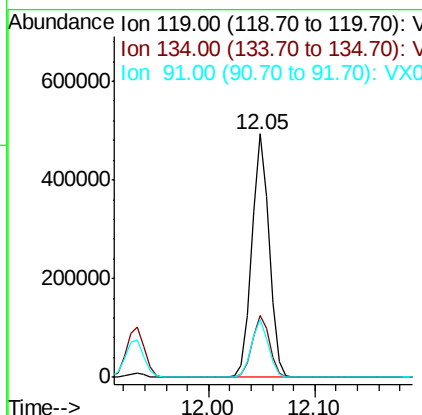
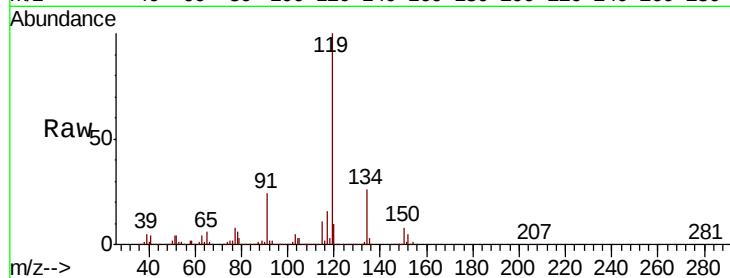




#86
 p-Isopropyltoluene
 Concen: 52.831 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

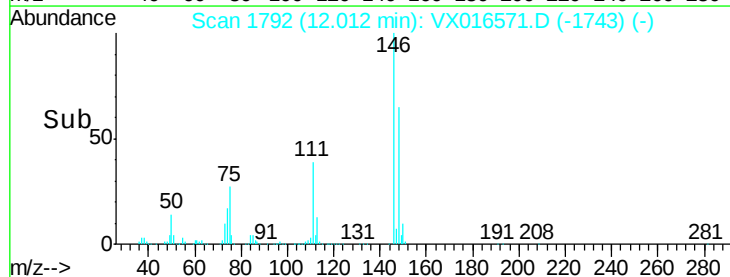
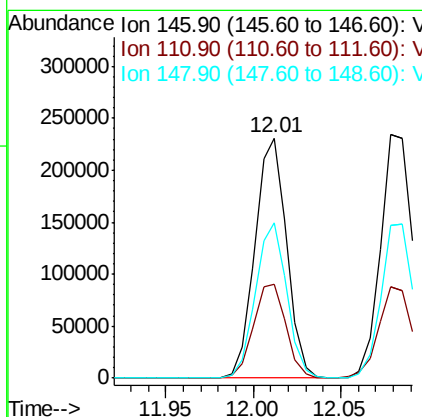
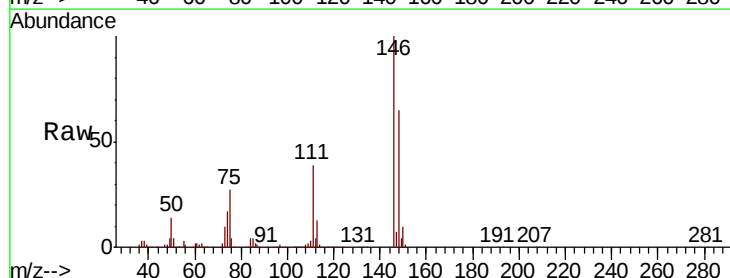
Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

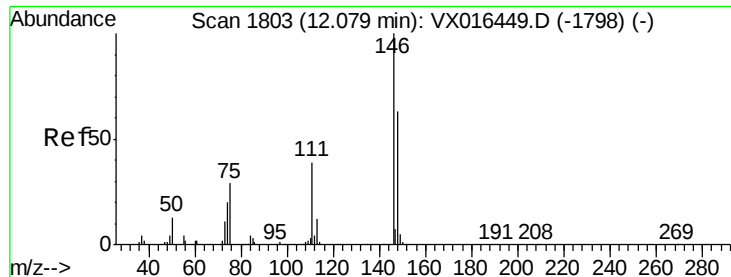
Tot Ion:119 Resp: 563284
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.0
 91 23.4 11.7 35.0



#87
 1,3-Dichlorobenzene
 Concen: 50.798 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Tgt Ion:146 Resp: 293549
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 60.0
 148 63.9 31.9 95.5

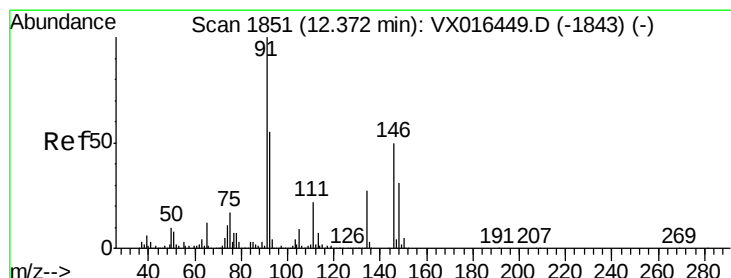
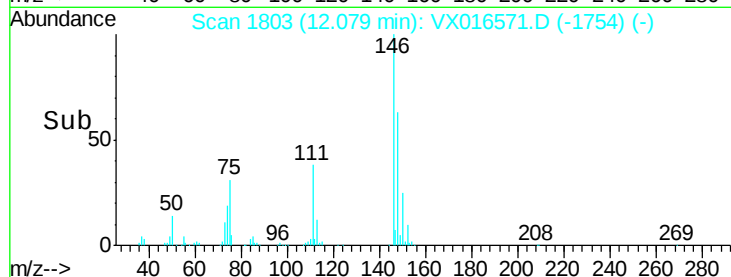
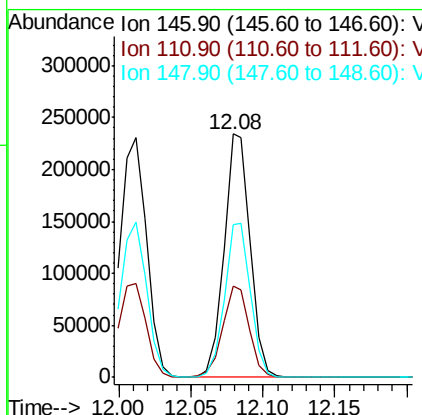
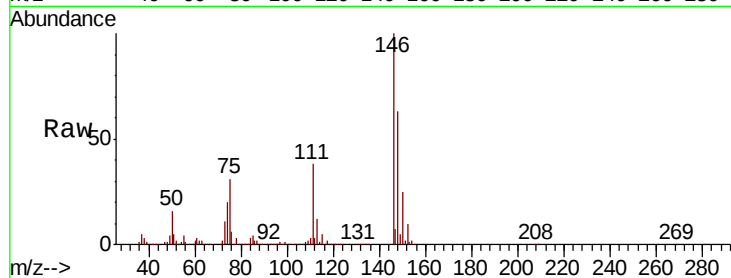




#88
 1,4-Dichlorobenzene
 Concen: 50.388 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

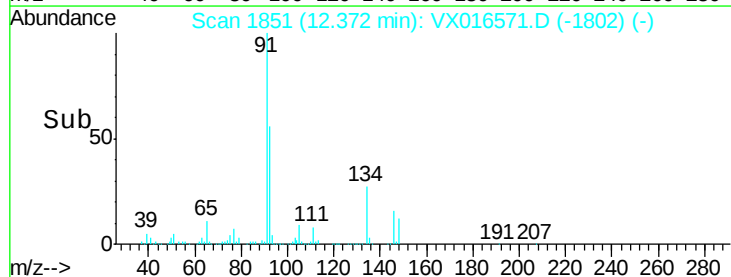
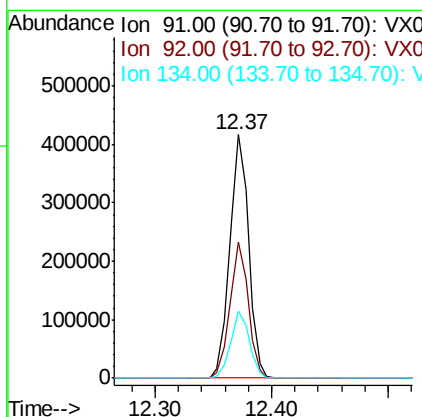
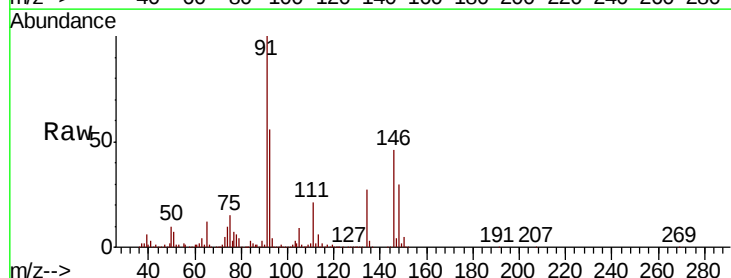
Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

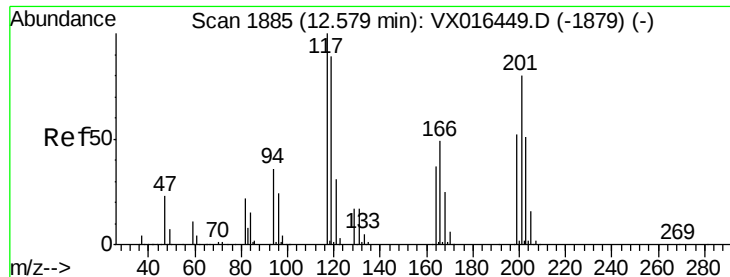
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	63.3	31.4	94.3



#89
 n-Butylbenzene
 Concen: 52.920 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	27.2	13.1	39.3





#90

Hexachloroethane

Concen: 53.128 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

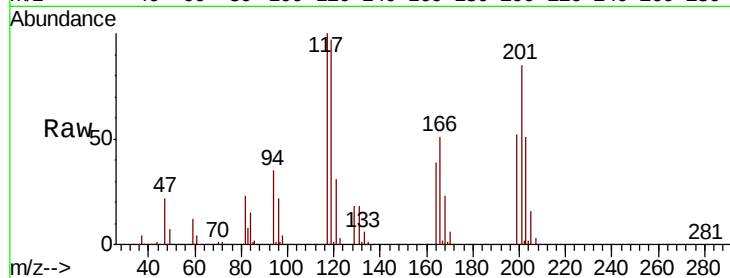
SP20-MMW3414MS

Tot Ion:117 Resp: 97842

Ion Ratio Lower Upper

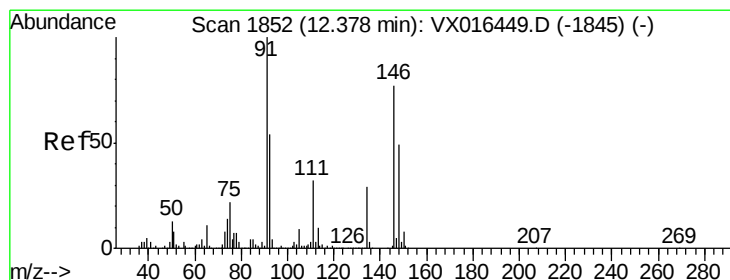
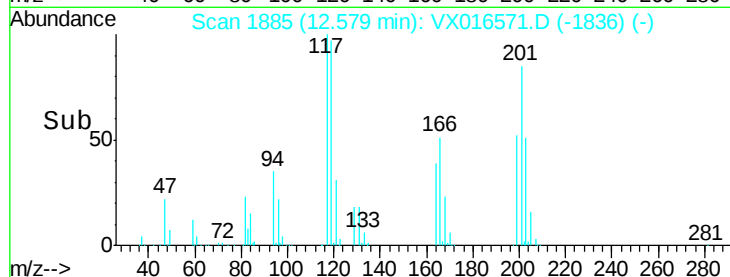
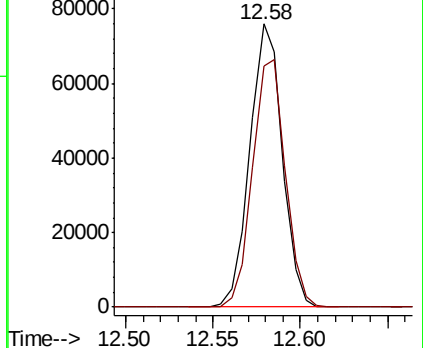
117 100

201 88.4 43.1 129.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 50.529 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

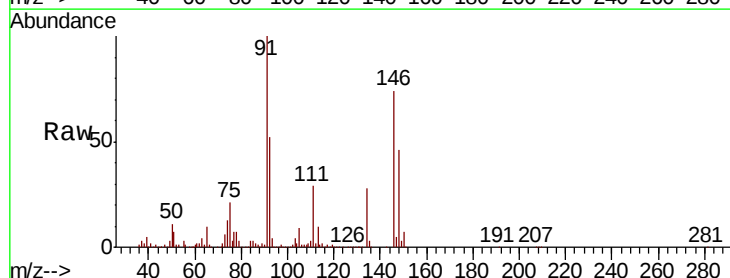
Tgt Ion:146 Resp: 282892

Ion Ratio Lower Upper

146 100

111 41.2 21.4 64.3

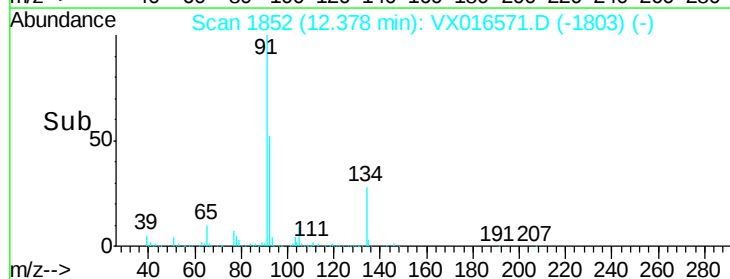
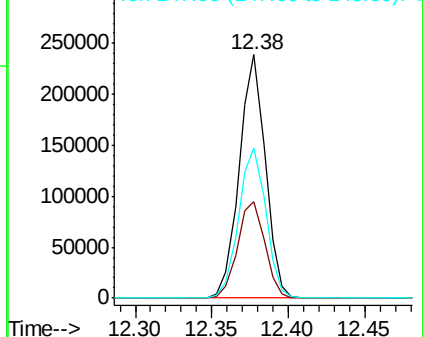
148 64.1 31.9 95.7

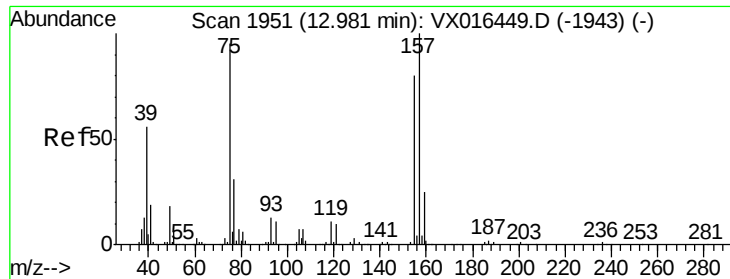


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.682 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

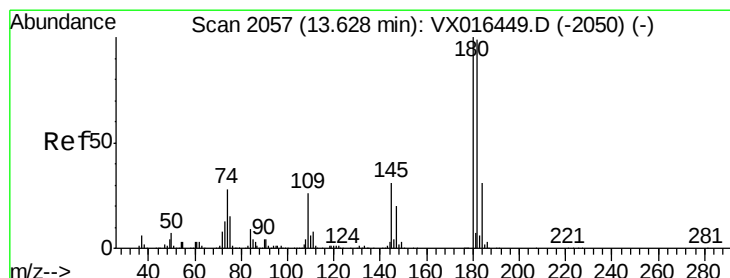
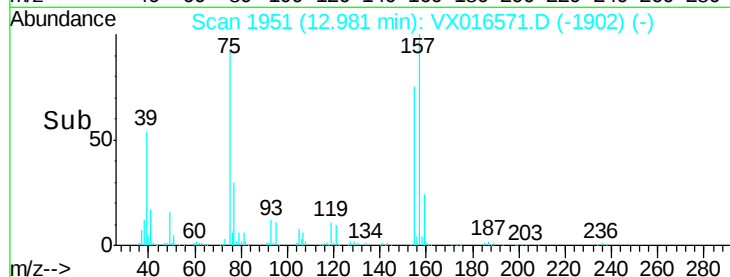
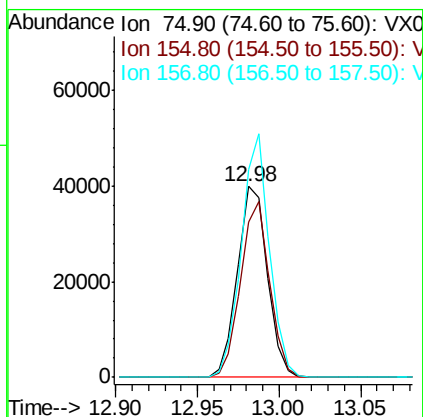
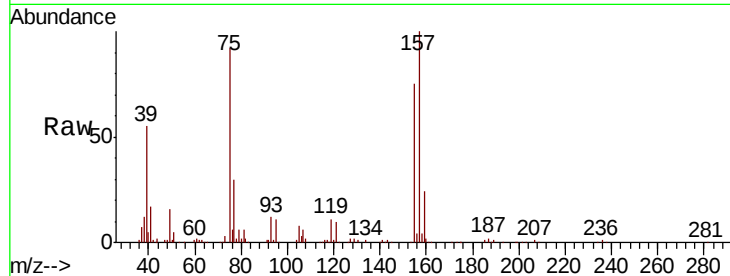
Tot Ion: 75 Resp: 51290

Ion	Ratio	Lower	Upper
75	100		
155	89.5	44.1	132.4
157	119.0	57.8	173.3

75 100

155 89.5 44.1 132.4

157 119.0 57.8 173.3



#93

1,2,4-Trichlorobenzene

Concen: 55.344 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

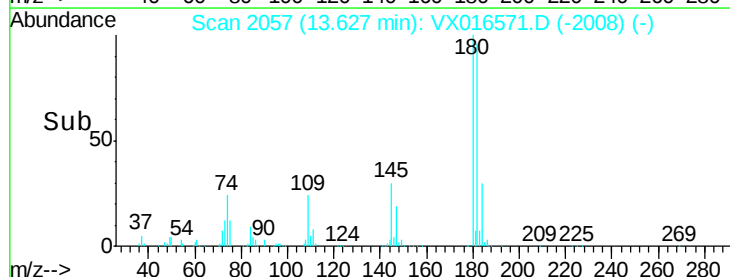
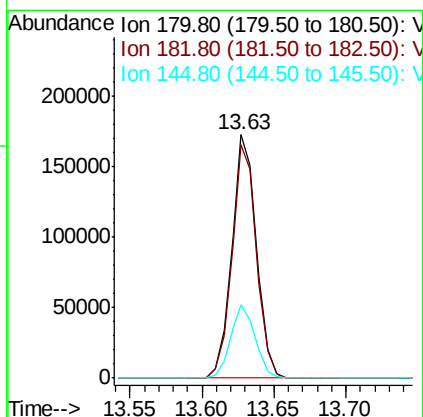
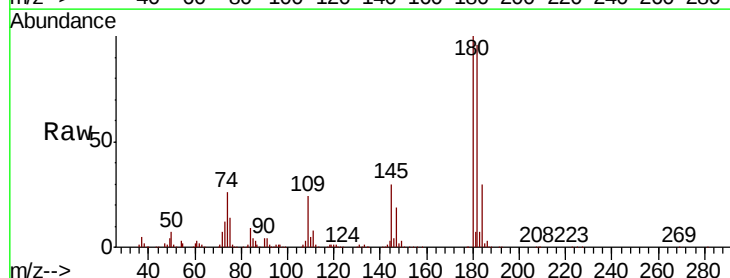
Tgt Ion: 180 Resp: 205785

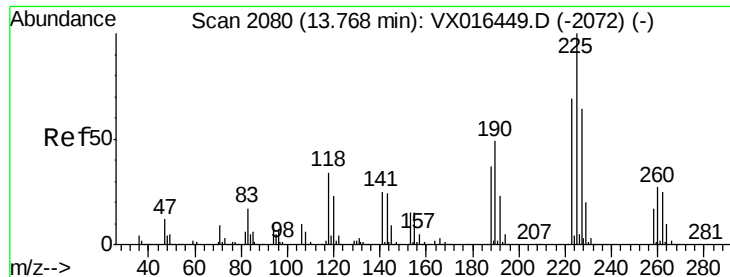
Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.3	144.8
145	30.2	15.4	46.2

180 100

182 95.4 48.3 144.8

145 30.2 15.4 46.2





#94

Hexachlorobutadiene

Concen: 57.134 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

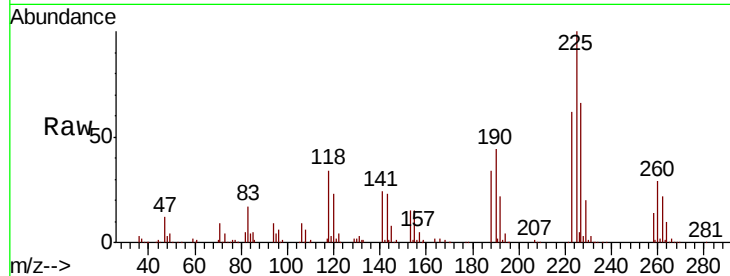
Tot Ion:225 Resp: 83409

Ion Ratio Lower Upper

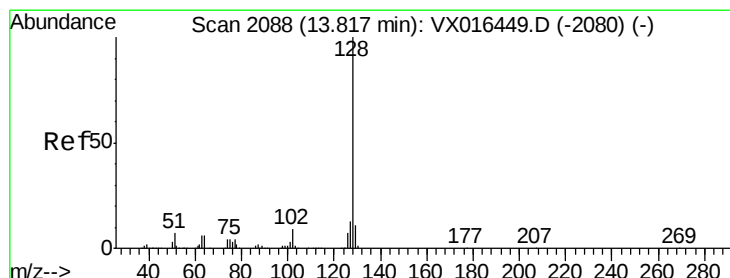
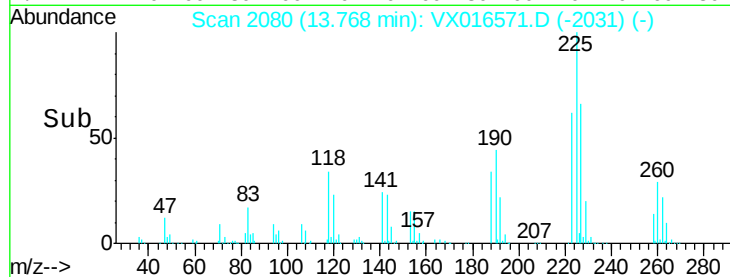
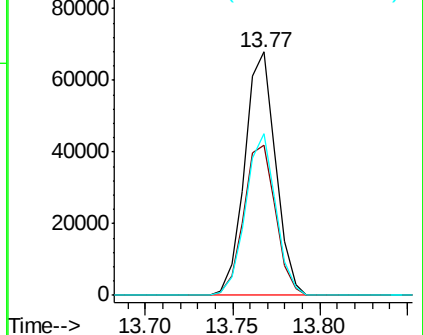
225 100

223 63.1 32.3 96.8

227 64.4 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 52.496 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

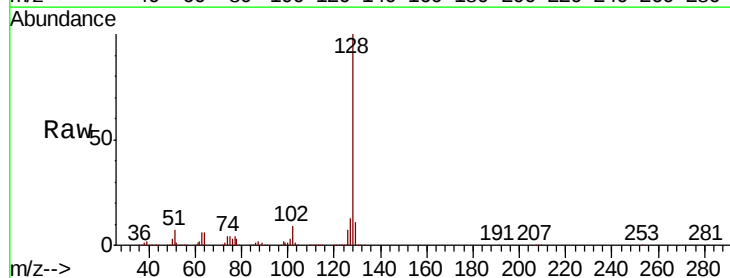
Tgt Ion:128 Resp: 669147

Ion Ratio Lower Upper

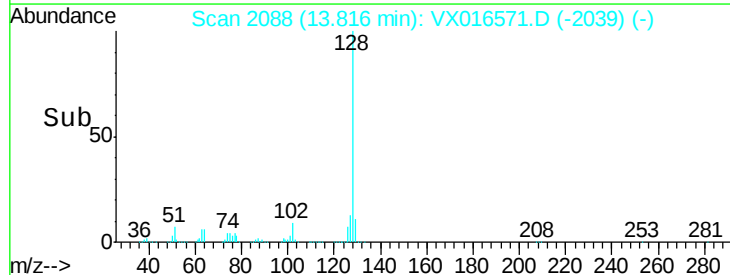
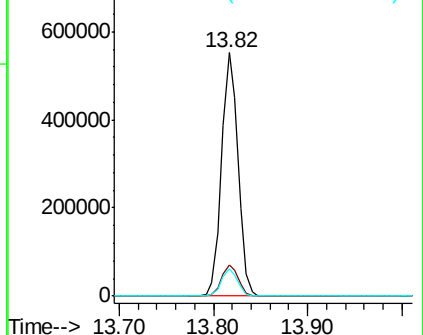
128 100

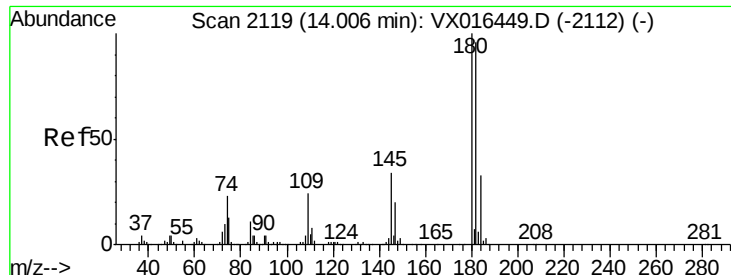
127 12.9 10.6 15.8

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

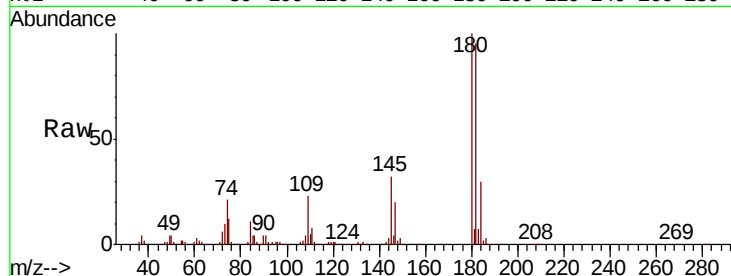




#96
 1,2,3-Trichlorobenzene
 Concen: 55.038 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.6	145.8
145	31.8	16.6	49.8



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

