

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016024.D
 Acq On : 01 May 2020 20:03
 Operator : JC/SP
 Sample : L2469-09MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Quant Time: May 02 07:03:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	270168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	445153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	413632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211881	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	171633	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	5.47	113	133124	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	8.70	98	504761	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	11.12	95	200066	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	128097	52.985	ug/l	98
3) Chloromethane	1.31	50	152886	52.180	ug/l	98
4) Vinyl Chloride	1.39	62	179553	53.961	ug/l	98
5) Bromomethane	1.62	94	91551	40.984	ug/l	97
6) Chloroethane	1.70	64	114182	51.588	ug/l	98
7) Trichlorofluoromethane	1.91	101	234657	46.657	ug/l	98
8) Diethyl Ether	2.17	74	102801	48.961	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	133755	53.353	ug/l	99
10) Methyl Iodide	2.49	142	182267	52.118	ug/l	98
11) Tert butyl alcohol	3.02	59	238281	277.895	ug/l	100
12) 1,1-Dichloroethene	2.36	96	136643	52.862	ug/l	96
13) Acrolein	2.27	56	69380	321.971	ug/l	99
14) Allyl chloride	2.70	41	258858	55.537	ug/l	95
15) Acrylonitrile	3.12	53	484718	285.102	ug/l	100
16) Acetone	2.42	43	424384	280.957	ug/l	99
17) Carbon Disulfide	2.55	76	397948	52.785	ug/l	99
18) Methyl Acetate	2.75	43	220521	51.447	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	512084	54.774	ug/l	99
20) Methylene Chloride	2.84	84	159319	53.281	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	152780	52.445	ug/l	99
22) Diisopropyl ether	3.82	45	508695	55.513	ug/l	97
23) Vinyl Acetate	3.79	43	2001143	251.395	ug/l	100
24) 1,1-Dichloroethane	3.67	63	306465	60.036	ug/l	100
25) 2-Butanone	4.64	43	690783	282.213	ug/l	99
26) 2,2-Dichloropropane	4.56	77	221821	47.526	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	177304	53.633	ug/l	99
28) Bromochloromethane	4.98	49	122036	49.403	ug/l	96
29) Tetrahydrofuran	5.09	42	451796	281.644	ug/l	99
30) Chloroform	5.18	83	284888	53.670	ug/l	99
31) Cyclohexane	5.55	56	247546	54.472	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	258174	52.825	ug/l	99
36) 1,1-Dichloropropene	5.77	75	212465	50.112	ug/l	98
37) Ethyl Acetate	4.79	43	241066	49.585	ug/l	99
38) Carbon Tetrachloride	5.76	117	222053	49.585	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	250800	51.140	ug/l	98
40) Benzene	6.12	78	631896	52.234	ug/l	100
41) Methacrylonitrile	5.01	41	144200	55.412	ug/l	97
42) 1,2-Dichloroethane	6.17	62	235300	50.199	ug/l	100
43) Isopropyl Acetate	6.42	43	398340	49.479	ug/l	99
44) Trichloroethene	7.19	130	211529	48.511	ug/l	99
45) 1,2-Dichloropropane	7.49	63	164461	52.603	ug/l	99
46) Dibromomethane	7.64	93	110885	49.913	ug/l	99
47) Bromodichloromethane	7.88	83	230286	52.164	ug/l	97
48) Methyl methacrylate	7.75	41	200593	53.966	ug/l	97
49) 1,4-Dioxane	7.71	88	95119	1087.786	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1321873	270.694	ug/l	98
52) Toluene	8.77	92	401425	52.276	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	265045	50.598	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	272345	50.551	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	161462	52.615	ug/l	98
56) Ethyl methacrylate	9.16	69	269802	54.070	ug/l	96
57) 1,3-Dichloropropane	9.35	76	280518	53.203	ug/l	99
59) 2-Hexanone	9.48	43	1040311	272.596	ug/l	98
60) Dibromochloromethane	9.57	129	184322	53.664	ug/l	97
61) 1,2-Dibromoethane	9.66	107	176433	53.019	ug/l	99
64) Tetrachloroethene	9.32	164	243354	49.594	ug/l	96
65) Chlorobenzene	10.12	112	428537	50.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	163662	51.400	ug/l	98
67) Ethyl Benzene	10.24	91	772921	51.518	ug/l	99
68) m/p-Xylenes	10.34	106	584465	102.664	ug/l	99
69) o-Xylene	10.68	106	284494	52.635	ug/l	99
70) Styrene	10.70	104	491364	52.981	ug/l	99
71) Bromoform	10.84	173	138448	47.875	ug/l #	99
73) Isopropylbenzene	11.01	105	763093	52.942	ug/l	100
74) N-amyl acetate	10.88	43	334664	48.141	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	170498	50.887	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	324389	72.962	ug/l	82
77) Bromobenzene	11.24	156	189661	51.118	ug/l	95
78) n-propylbenzene	11.35	91	868269	52.365	ug/l	99
79) 2-Chlorotoluene	11.41	91	522215	52.860	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	643566	53.004	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	99247	52.752	ug/l	96
82) 4-Chlorotoluene	11.49	91	619688	52.446	ug/l	99
83) tert-Butylbenzene	11.76	119	555063	53.019	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	648826	53.096	ug/l	99
85) sec-Butylbenzene	11.93	105	743794	52.733	ug/l	99
86) p-Isopropyltoluene	12.05	119	689349	52.177	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	338251	49.993	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	343347	50.211	ug/l	99
89) n-Butylbenzene	12.37	91	606351	50.793	ug/l	99
90) Hexachloroethane	12.58	117	124021	53.128	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	329077	50.863	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	62774	52.751	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	236101	48.620	ug/l	98

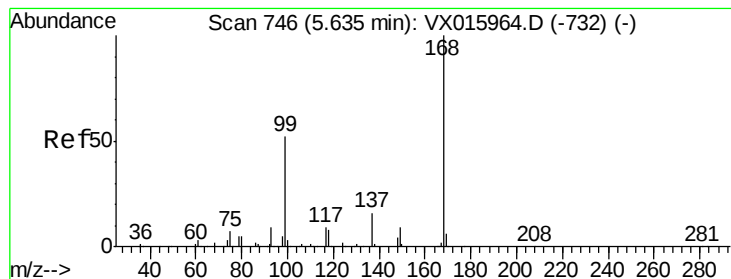
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
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Quant Time: May 02 07:03:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 28 17:30:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	102789	47.376	ug/l	97
95) Naphthalene	13.82	128	810947	52.948	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	237082	50.703	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

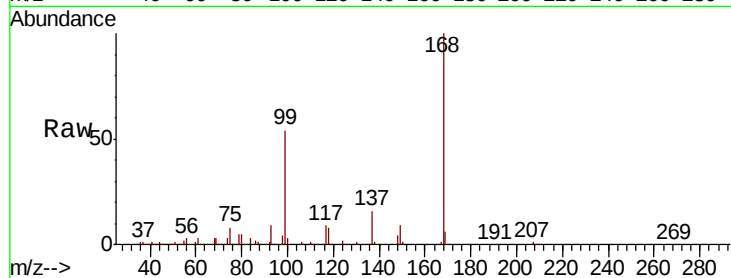
SA-PZ191I-20200429MSD

Tot Ion:168 Resp: 270168

Ion Ratio Lower Upper

168 100

99 54.3 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

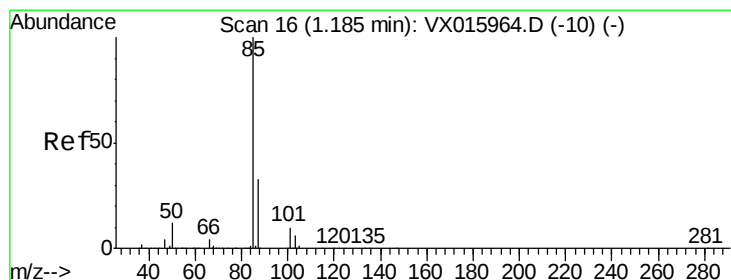
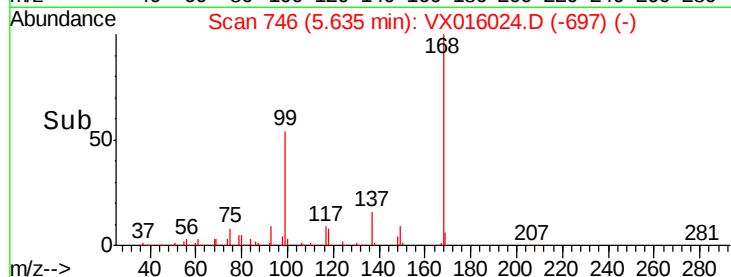
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.985 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016024.D

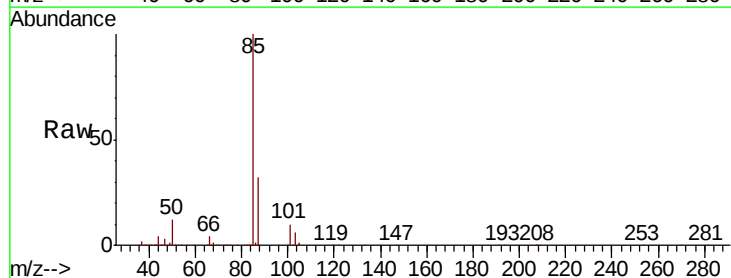
Acq: 01 May 2020 20:03

Tgt Ion: 85 Resp: 128097

Ion Ratio Lower Upper

85 100

87 32.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

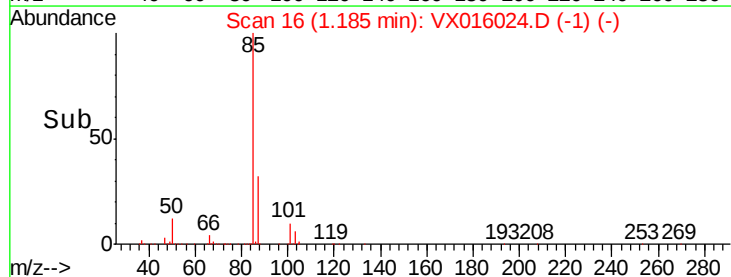
150000

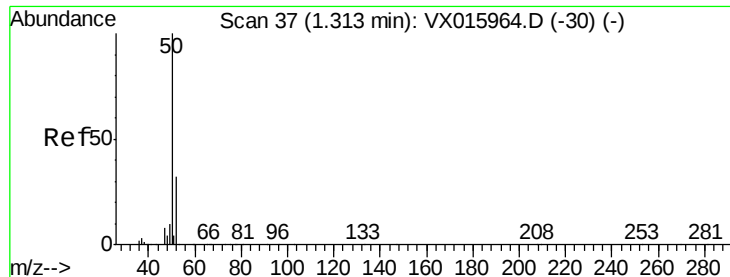
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.180 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

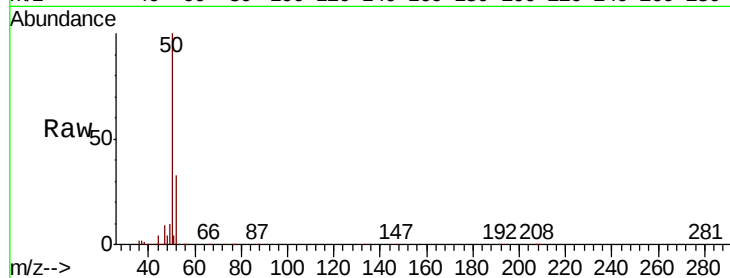
SA-PZ191I-20200429MSD

Tot Ion: 50 Resp: 152886

Ion Ratio Lower Upper

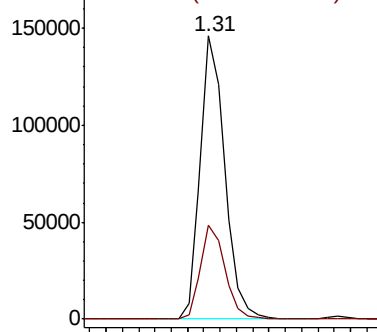
50 100

52 32.9 25.5 38.3

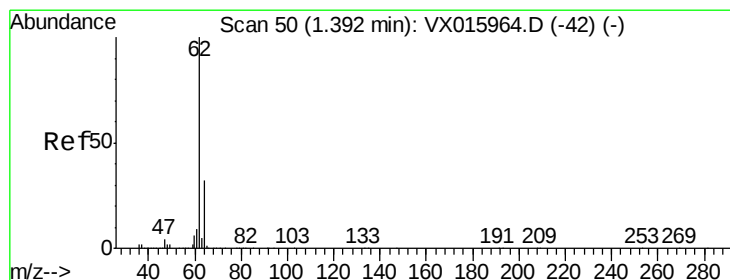
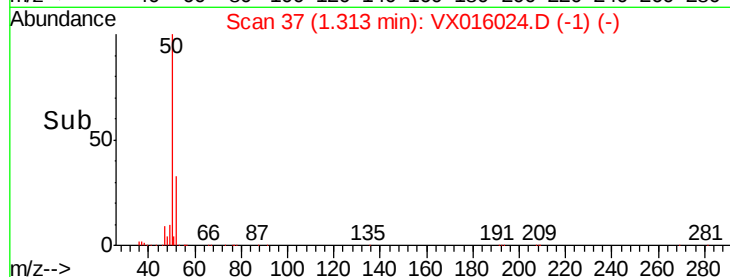


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 53.961 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016024.D

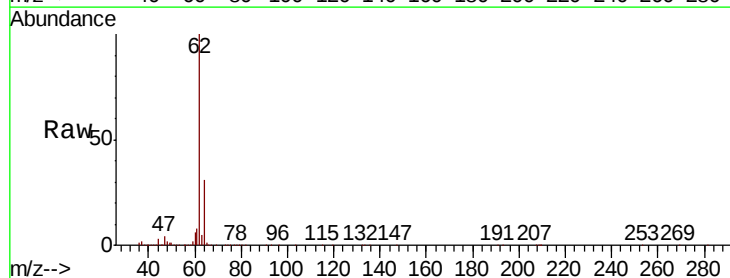
Acq: 01 May 2020 20:03

Tgt Ion: 62 Resp: 179553

Ion Ratio Lower Upper

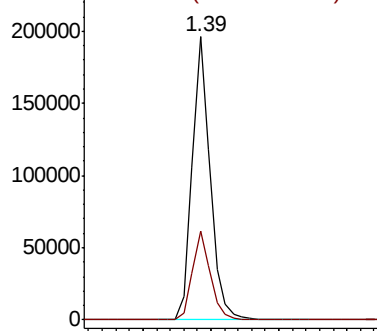
62 100

64 31.2 25.8 38.6

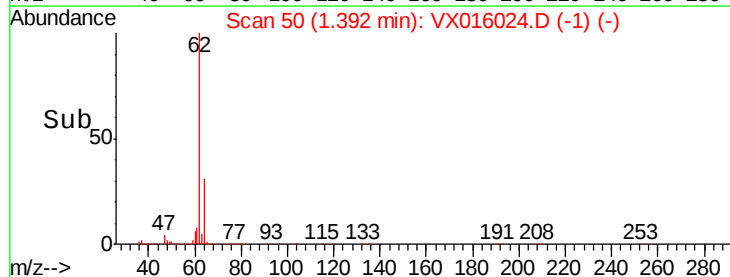


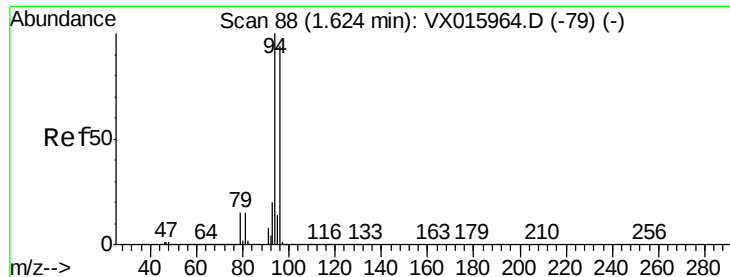
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 40.984 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

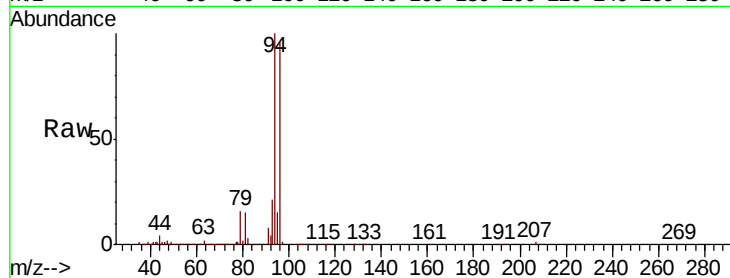
SA-PZ191I-20200429MSD

Tot Ion: 94 Resp: 91551

Ion Ratio Lower Upper

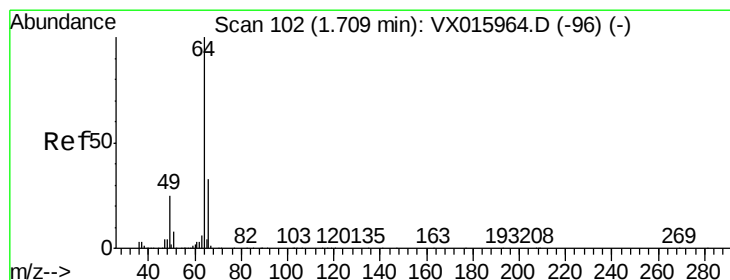
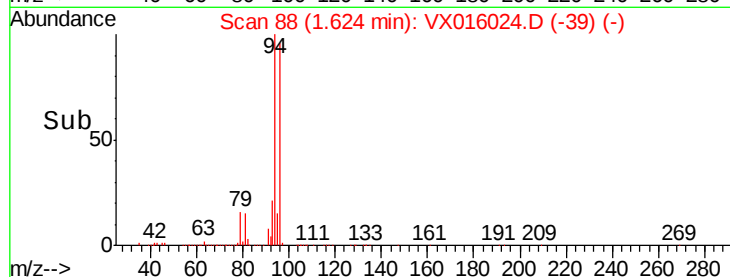
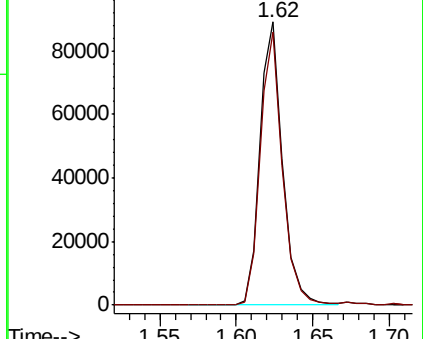
94 100

96 96.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.588 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX016024.D

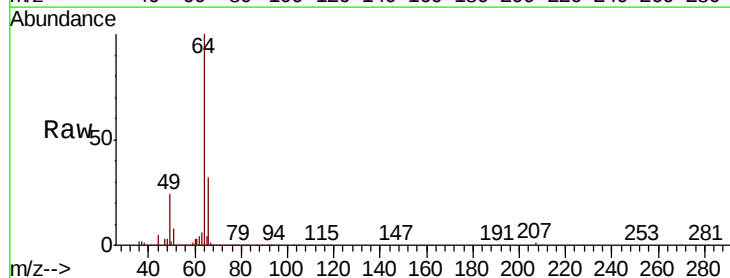
Acq: 01 May 2020 20:03

Tgt Ion: 64 Resp: 114182

Ion Ratio Lower Upper

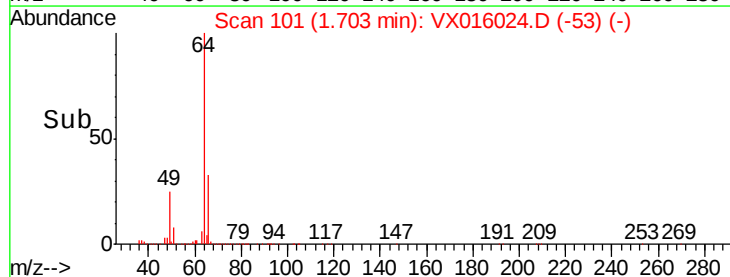
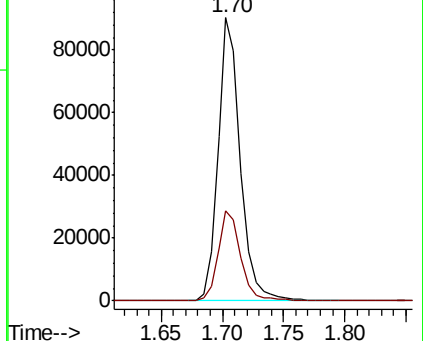
64 100

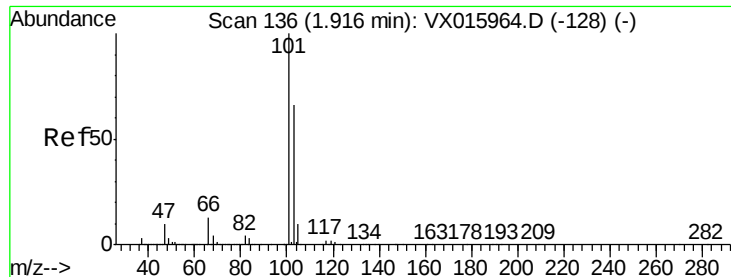
66 31.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 46.657 ug/l

RT: 1.91 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

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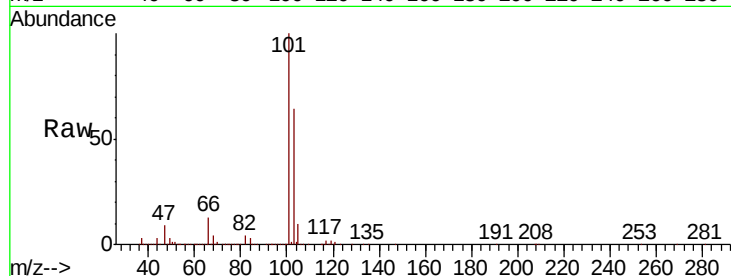
SA-PZ191I-20200429MSD

Tot Ion:101 Resp: 234657

Ion Ratio Lower Upper

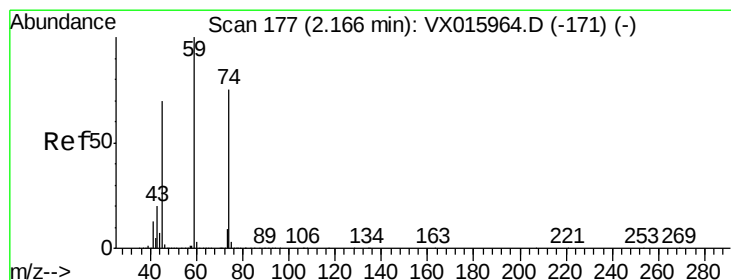
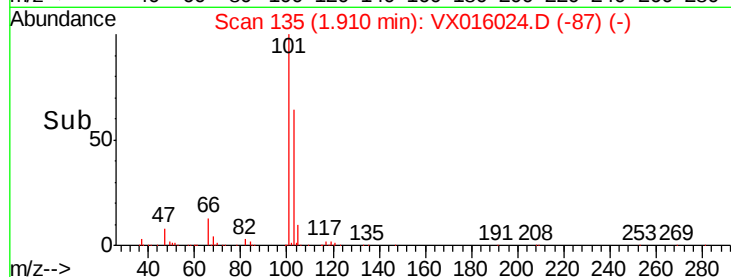
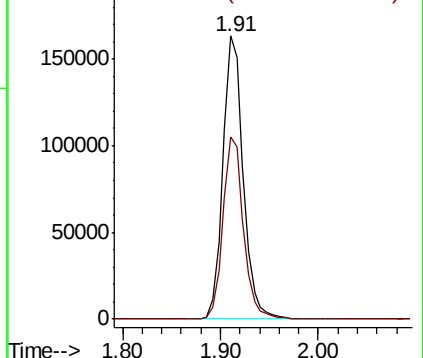
101 100

103 64.2 52.4 78.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.961 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX016024.D

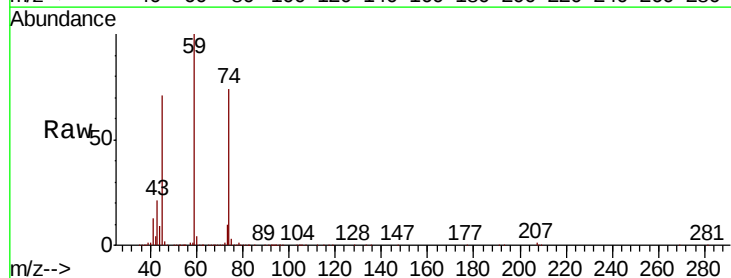
Acq: 01 May 2020 20:03

Tgt Ion: 74 Resp: 102801

Ion Ratio Lower Upper

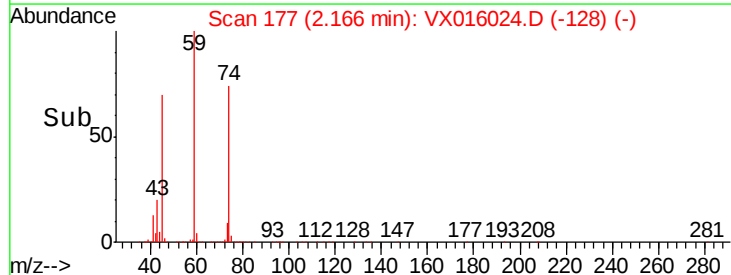
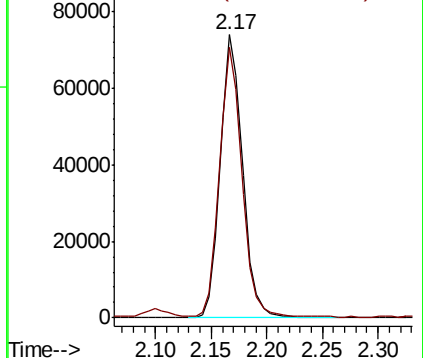
74 100

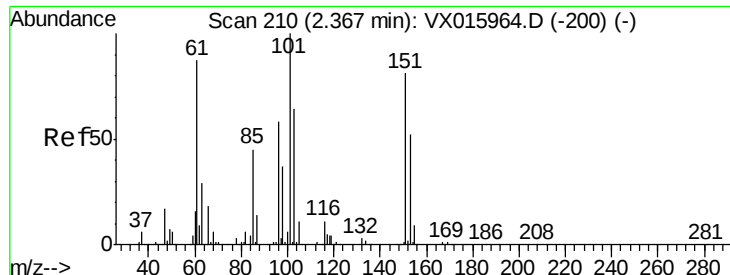
45 96.0 47.1 141.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.353 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

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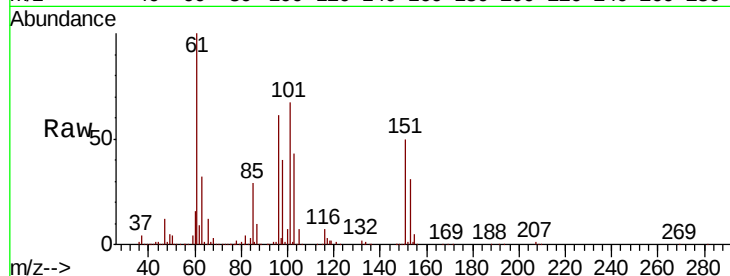
Tot Ion:101 Resp: 133755

Ion Ratio Lower Upper

101 100

85 43.9 36.3 54.5

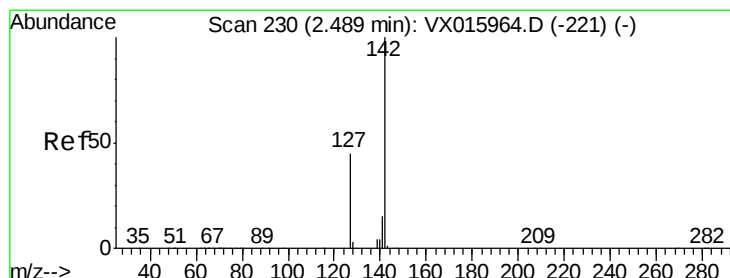
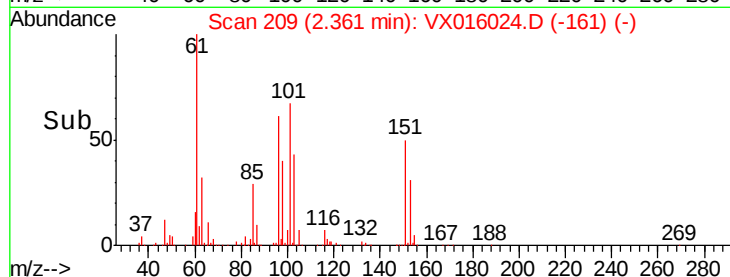
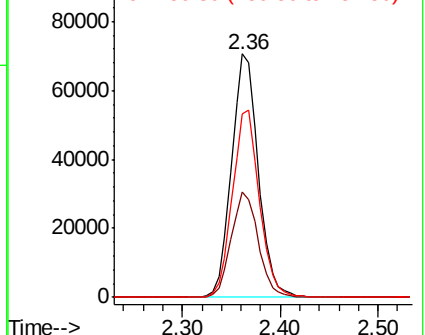
151 78.0 63.1 94.7



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: 52.118 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

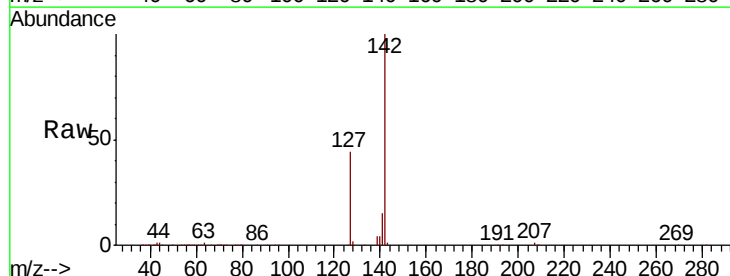
Tgt Ion:142 Resp: 182267

Ion Ratio Lower Upper

142 100

127 43.7 36.5 54.7

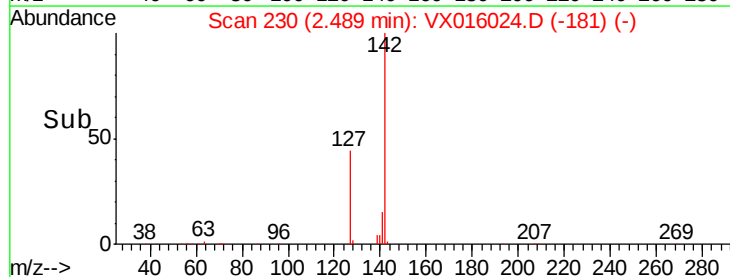
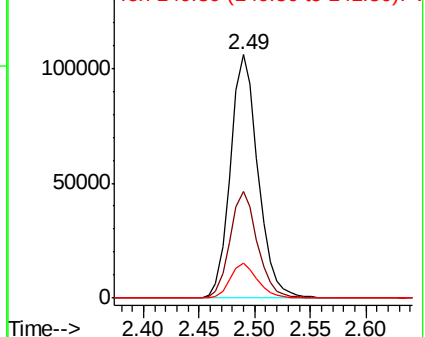
141 14.2 11.6 17.4

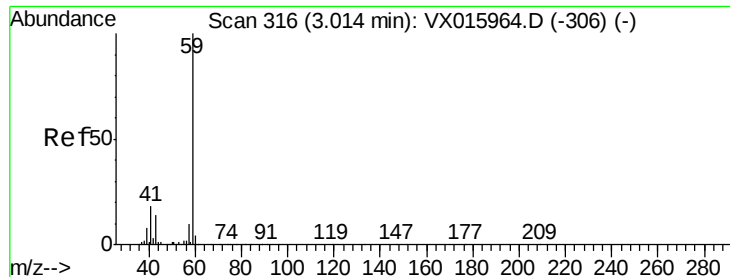


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



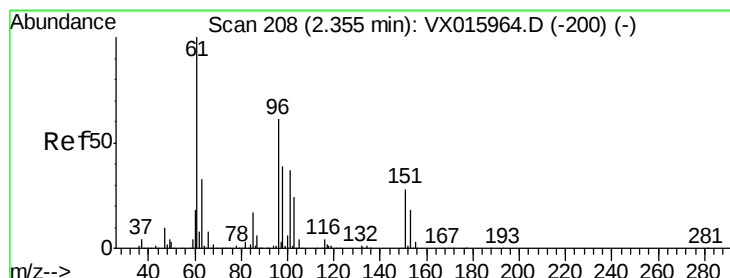
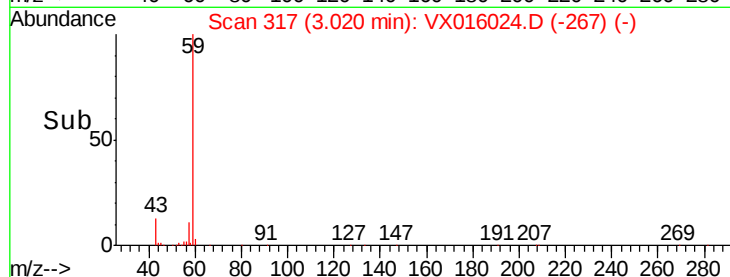
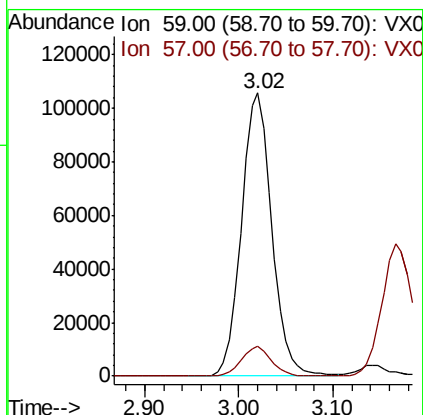
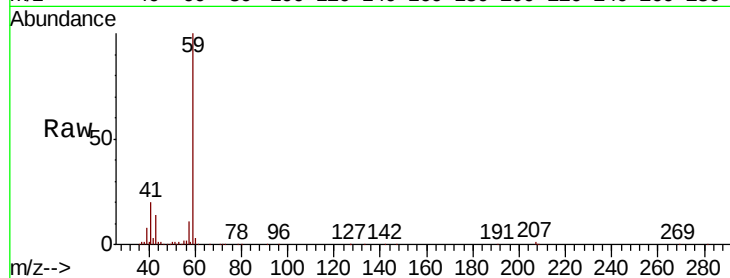


#11

Tert butyl alcohol
Concen: 277.895 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

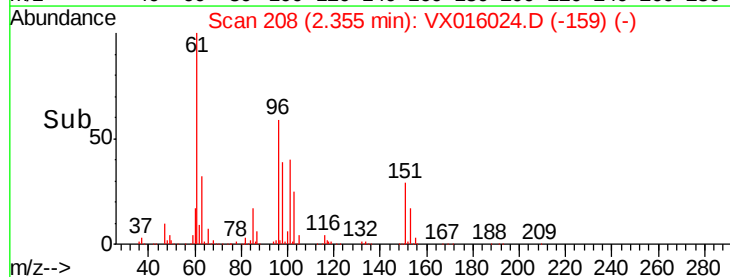
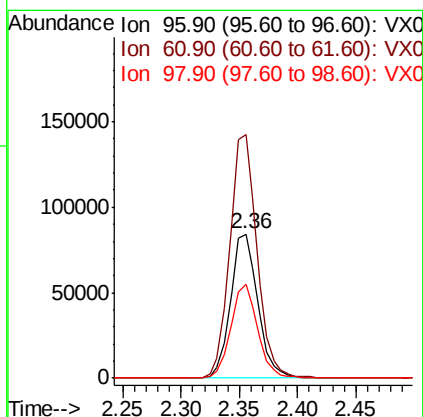
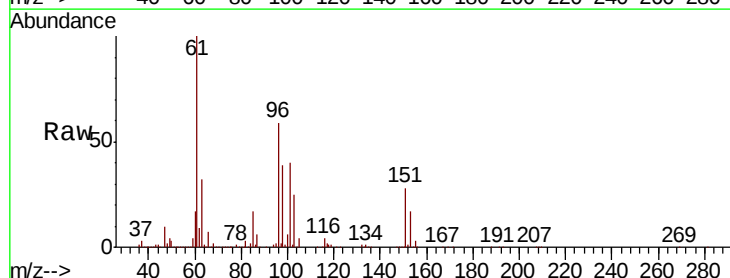
Tot Ion: 59 Resp: 238281
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

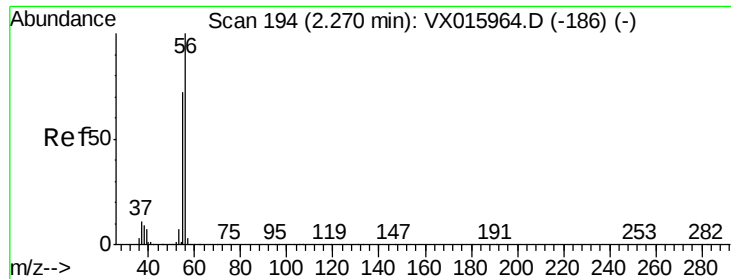


#12

1,1-Dichloroethene
Concen: 52.862 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion: 96 Resp: 136643
Ion Ratio Lower Upper
96 100
61 169.6 131.0 196.4
98 65.5 50.7 76.1





#13

Acrolein

Concen: 321.971 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

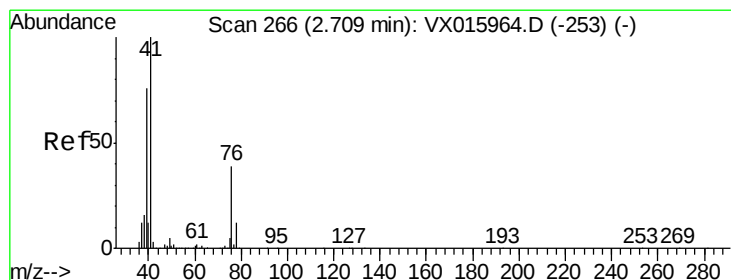
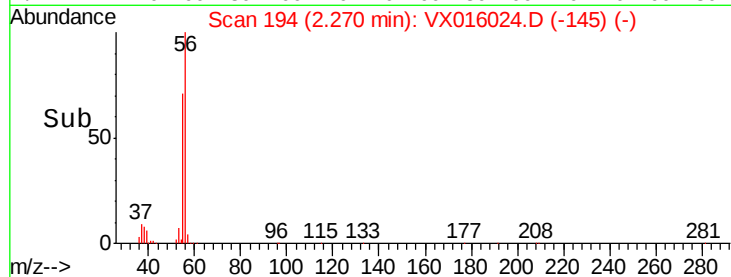
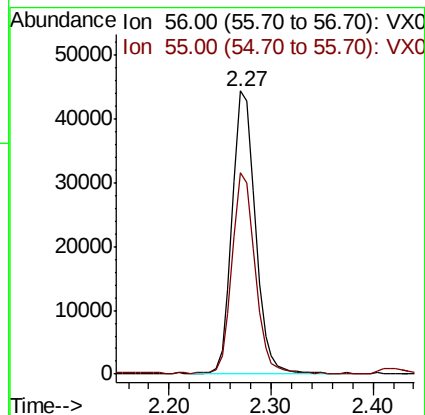
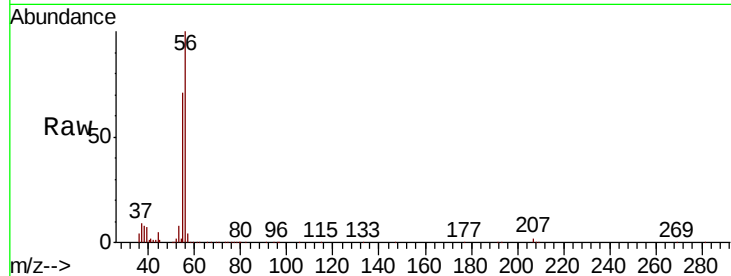
SA-PZ191I-20200429MSD

Tot Ion: 56 Resp: 69380

Ion Ratio Lower Upper

56 100

55 70.3 56.9 85.3



#14

Allyl chloride

Concen: 55.537 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

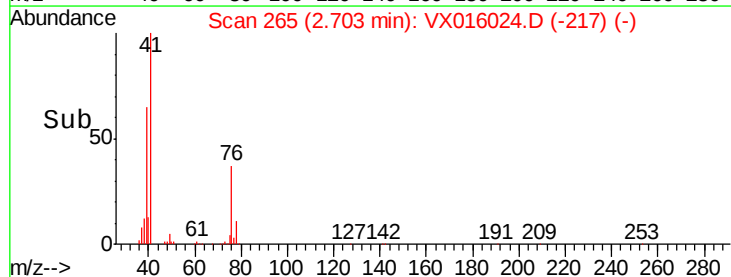
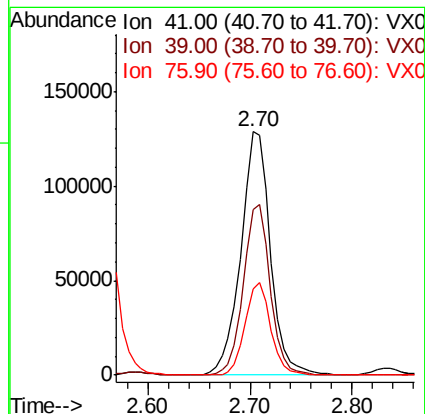
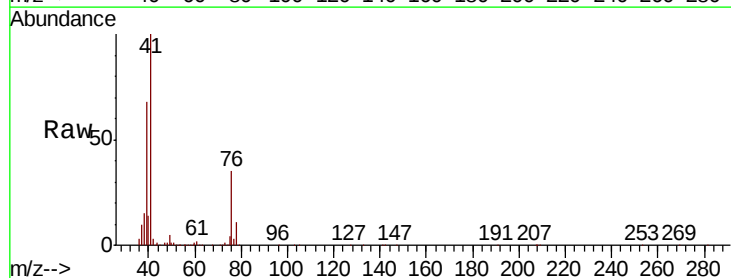
Tgt Ion: 41 Resp: 258858

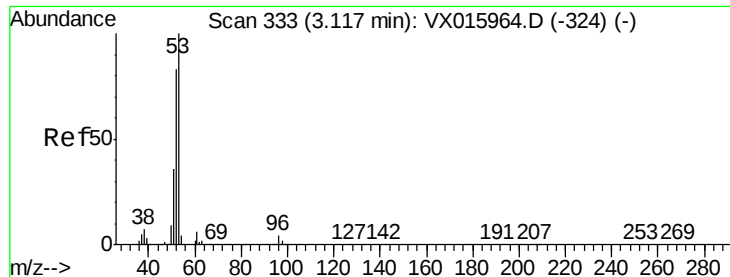
Ion Ratio Lower Upper

41 100

39 63.6 55.4 83.0

76 33.2 27.1 40.7





#15

Acrylonitrile

Concen: 285.102 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

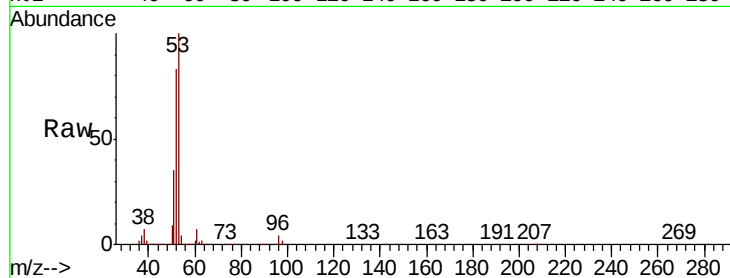
Tot Ion: 53 Resp: 484718

Ion Ratio Lower Upper

53 100

52 82.0 65.5 98.3

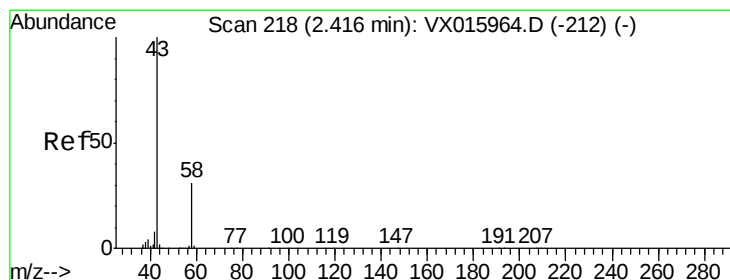
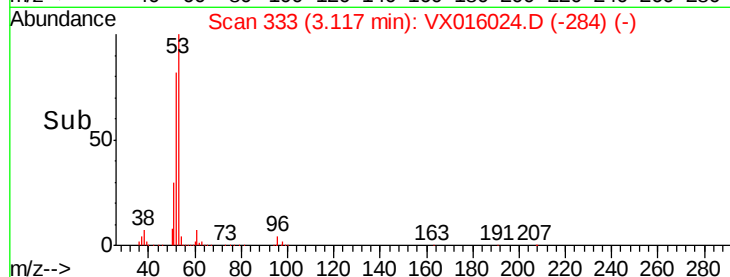
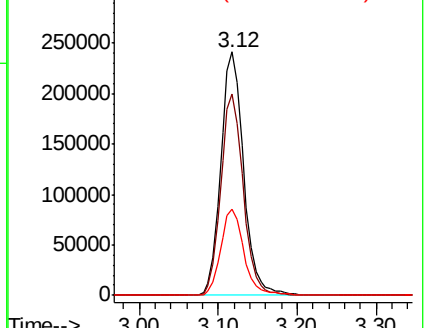
51 36.1 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 280.957 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016024.D

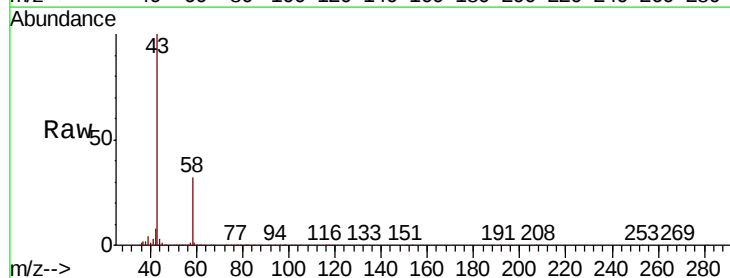
Acq: 01 May 2020 20:03

Tgt Ion: 43 Resp: 424384

Ion Ratio Lower Upper

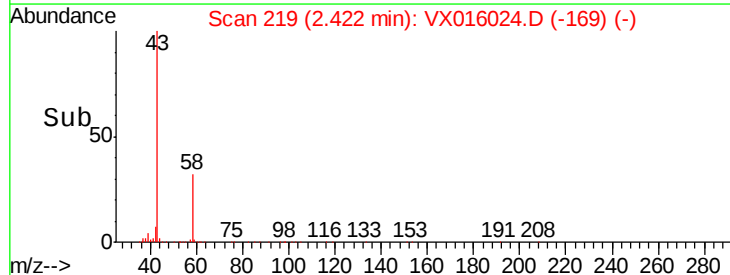
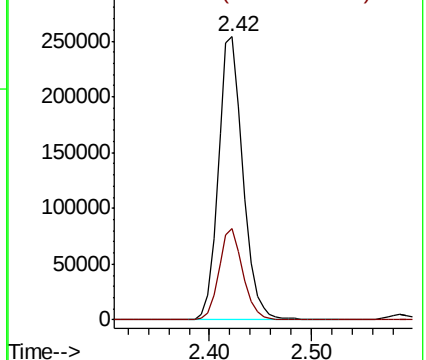
43 100

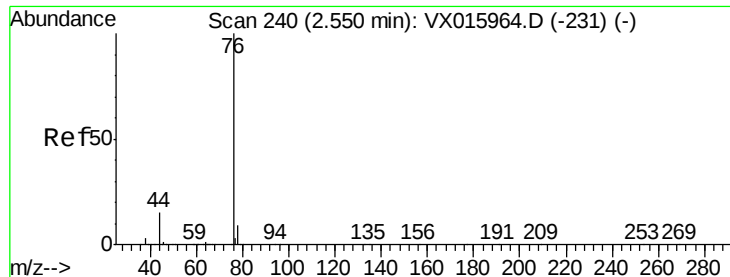
58 32.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 52.785 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

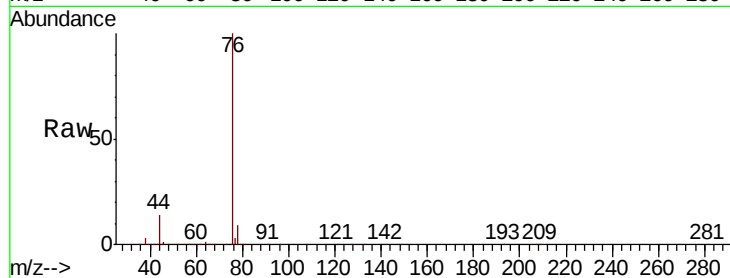
SA-PZ191I-20200429MSD

Tot Ion: 76 Resp: 397948

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

250000

200000

150000

100000

50000

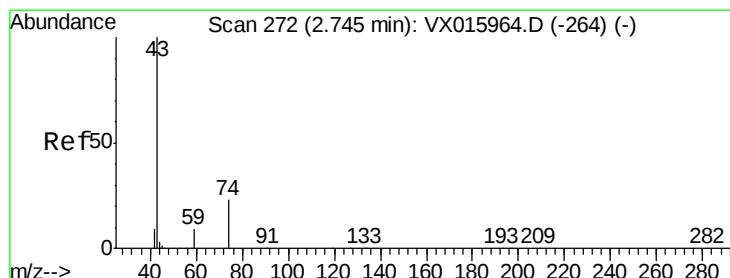
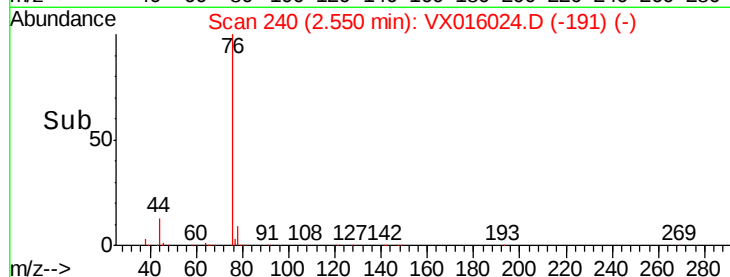
0

2.55

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 51.447 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016024.D

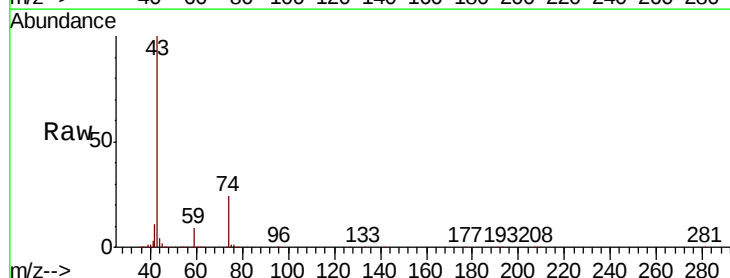
Acq: 01 May 2020 20:03

Tgt Ion: 43 Resp: 220521

Ion Ratio Lower Upper

43 100

74 24.6 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

50000

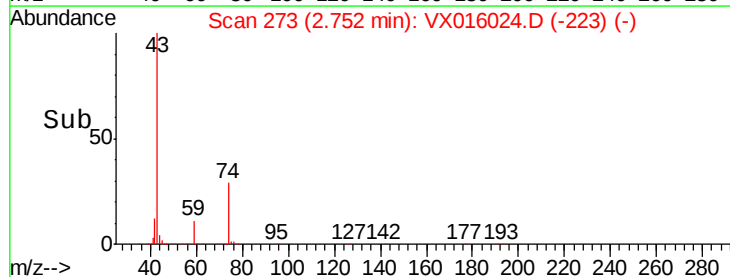
0

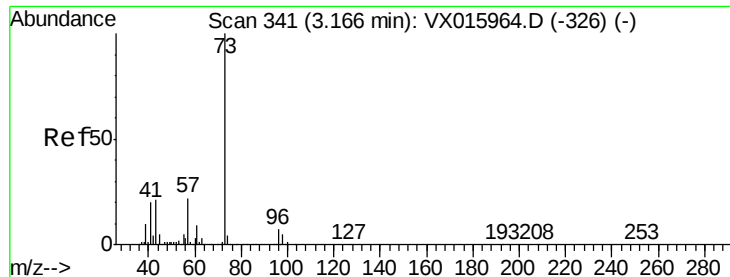
2.75

2.80

2.85

Time-->



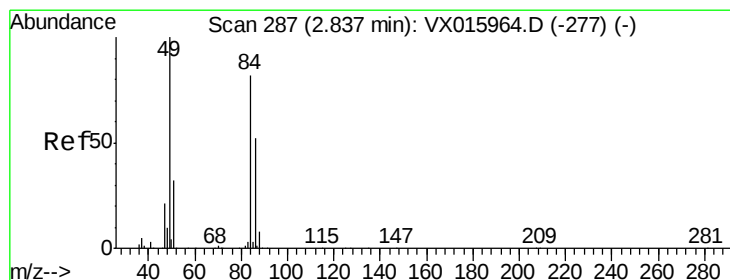
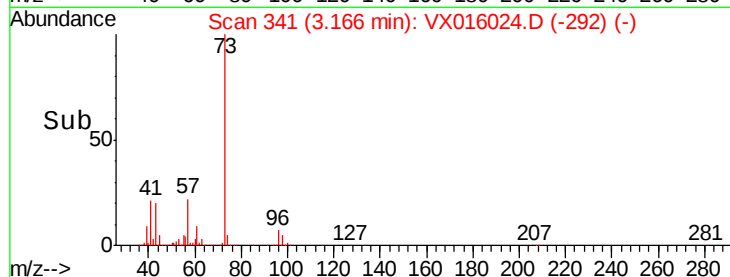
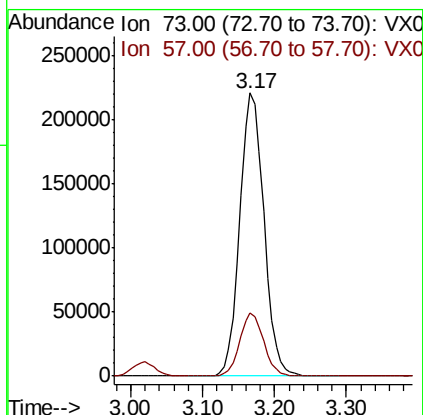
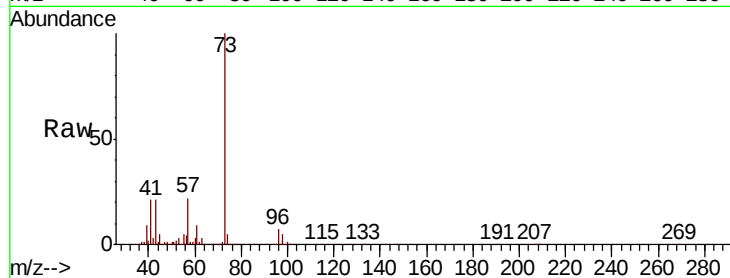


#19

Methyl tert-butyl Ether
 Concen: 54.774 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

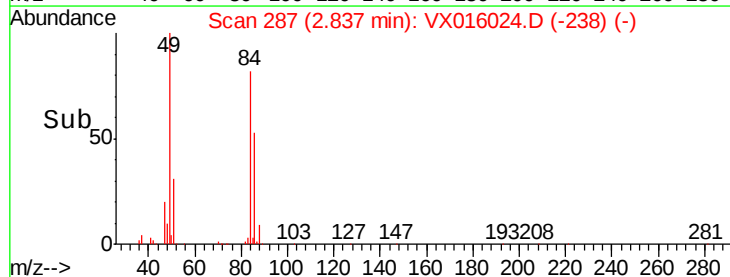
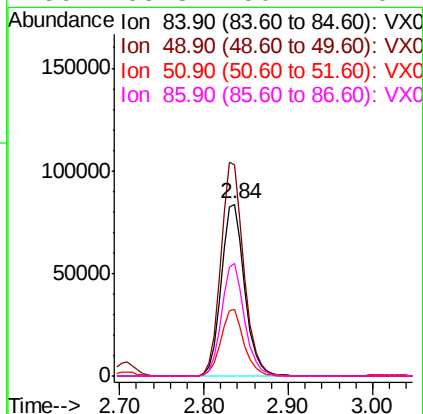
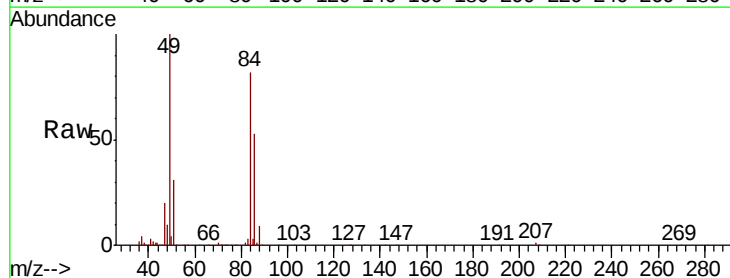
Tot Ion: 73 Resp: 512084
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.5 26.3

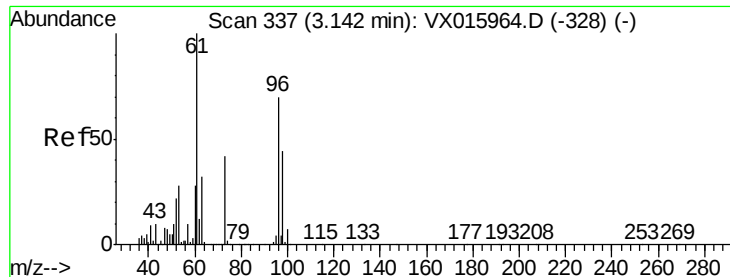


#20

Methylene Chloride
 Concen: 53.281 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion: 84 Resp: 159319
 Ion Ratio Lower Upper
 84 100
 49 122.5 97.9 146.9
 51 38.4 31.2 46.8
 86 65.3 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 52.445 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

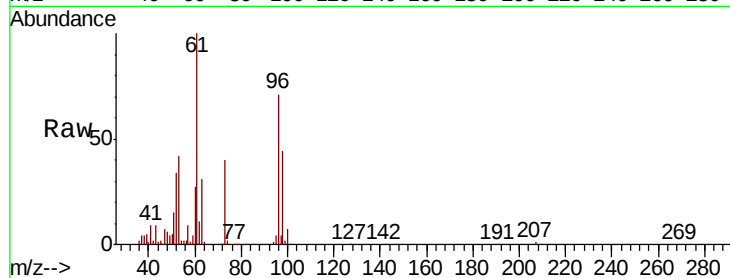
Tot Ion: 96 Resp: 152780

Ion Ratio Lower Upper

96 100

61 140.3 113.6 170.4

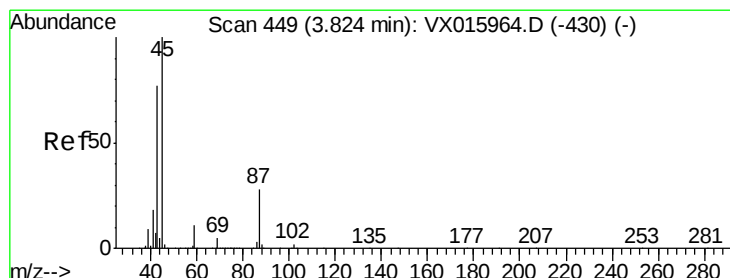
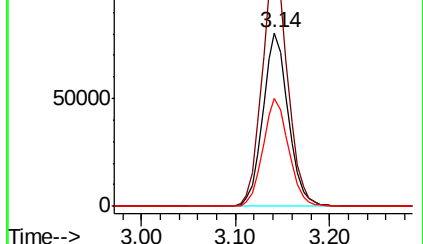
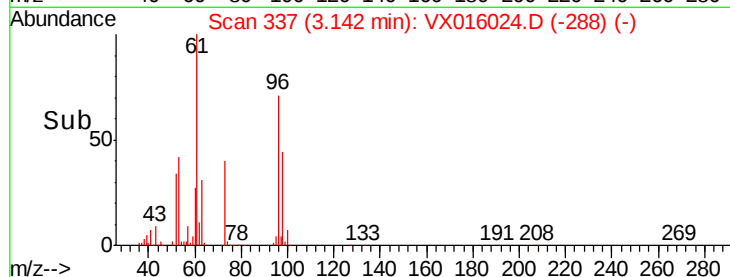
98 62.3 50.3 75.5



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: 55.513 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Tgt Ion: 45 Resp: 508695

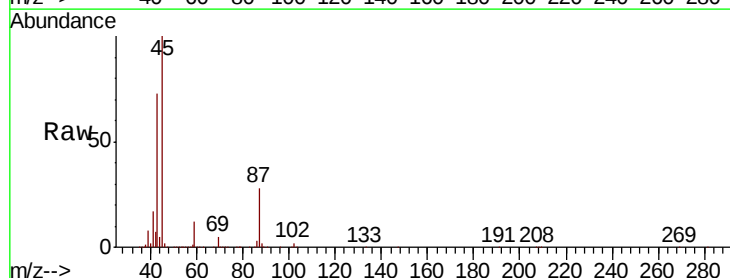
Ion Ratio Lower Upper

45 100

43 72.9 61.3 91.9

87 28.1 22.6 33.8

59 12.0 9.0 13.6

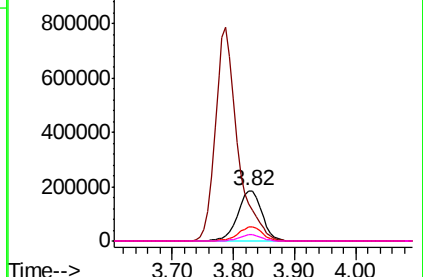
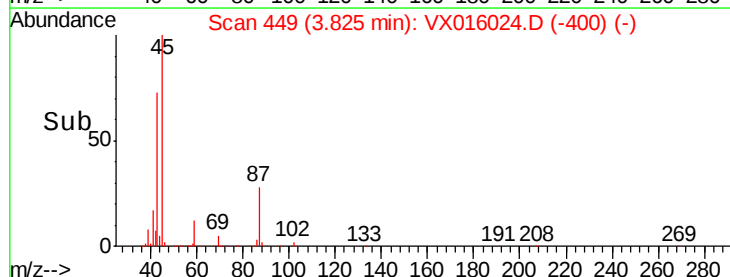


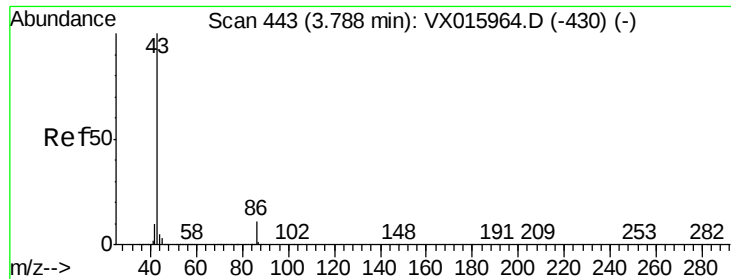
Abundance Ion 45.00 (44.70 to 45.70): VX0

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

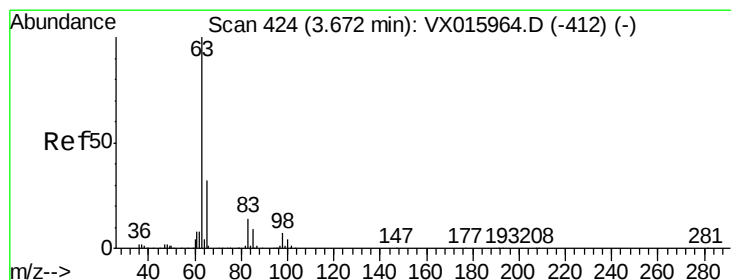
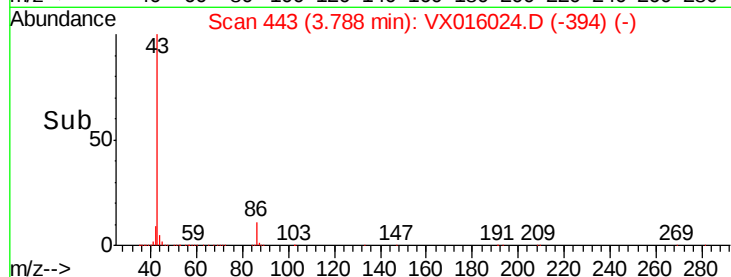
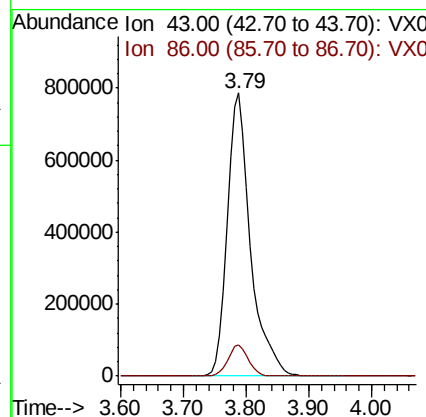
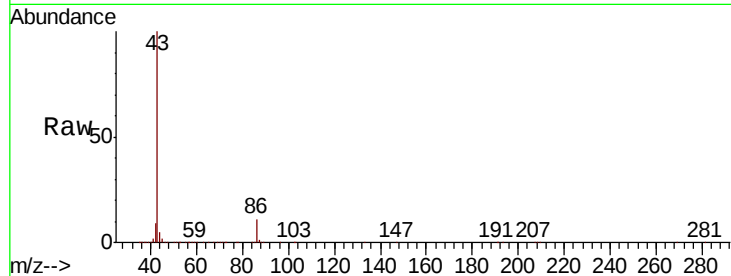




#23
 Vinyl Acetate
 Concen: 251.395 ug/l
 RT: 3.79 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

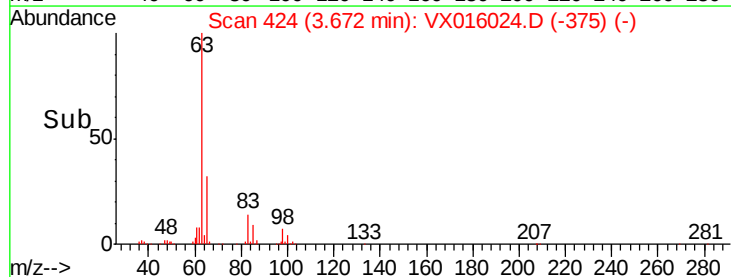
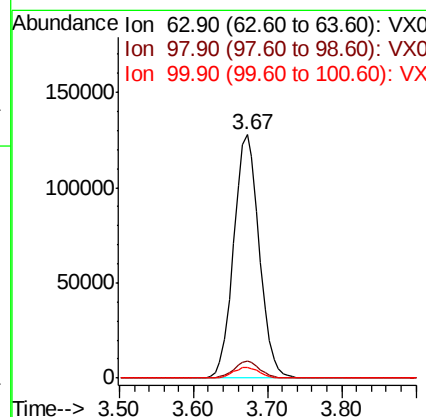
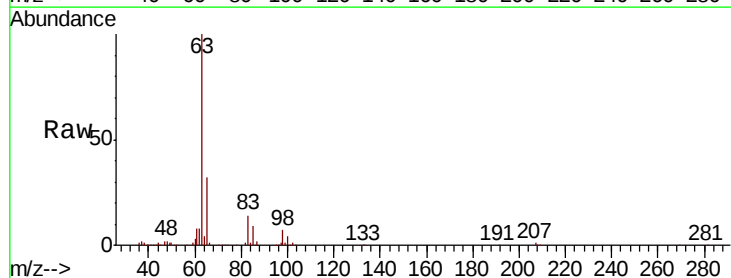
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

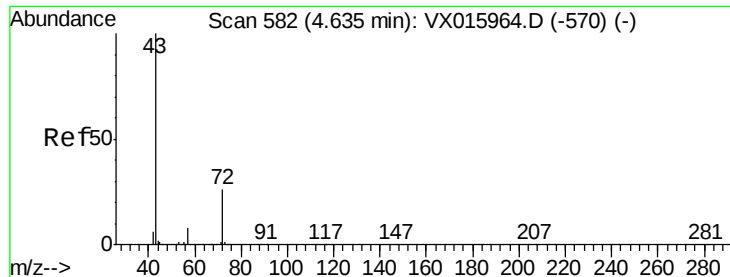
Tot Ion: 43 Resp: 2001143
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 60.036 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion: 63 Resp: 306465
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.6 10.8
 100 4.4 2.2 6.6

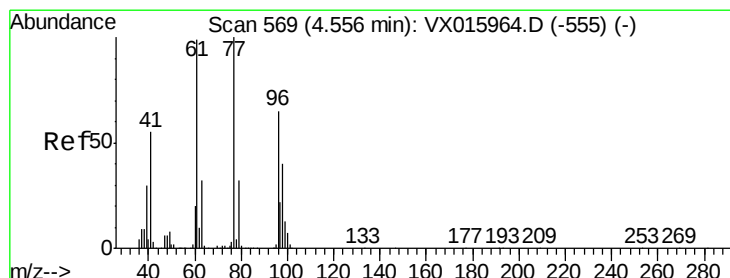
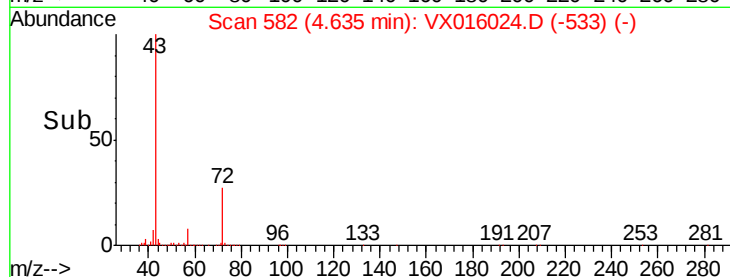
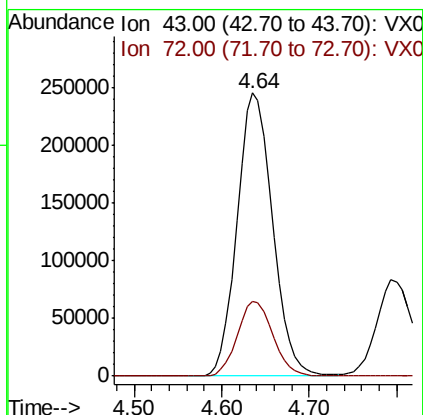
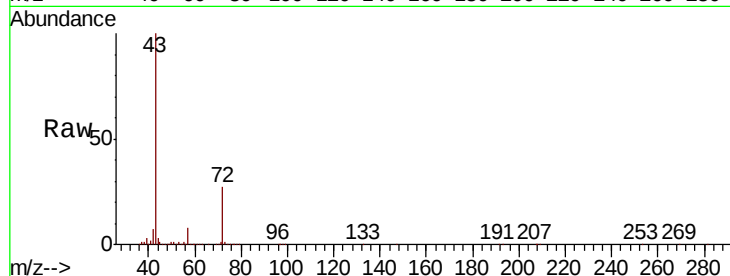




#25
2-Butanone
Concen: 282.213 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

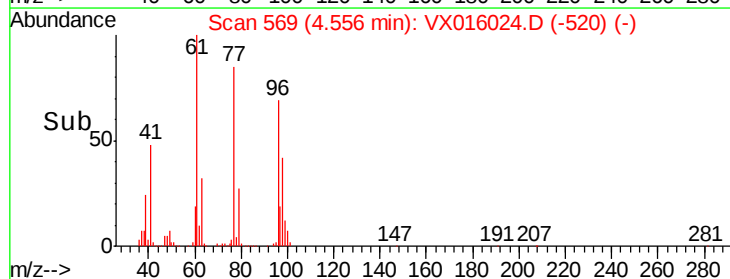
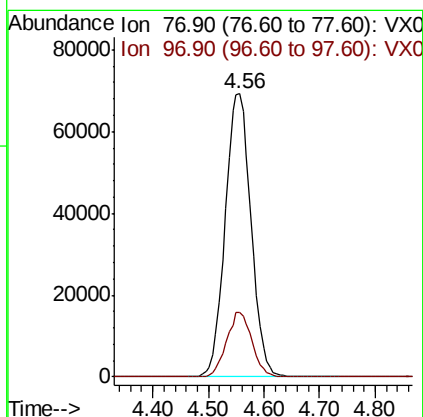
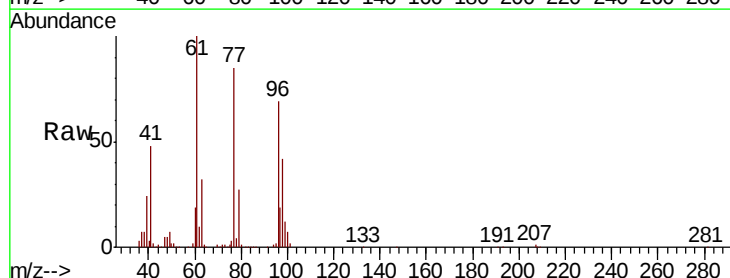
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

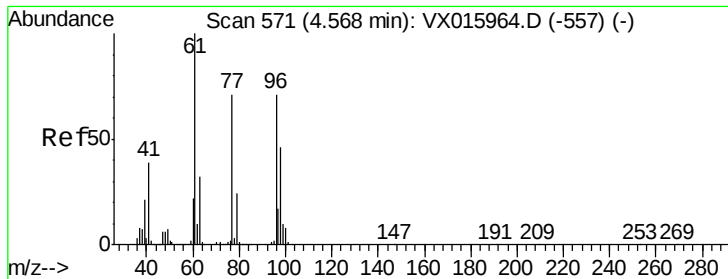
Tot Ion: 43 Resp: 690783
Ion Ratio Lower Upper
43 100
72 26.5 21.0 31.4



#26
2,2-Dichloropropane
Concen: 47.526 ug/l
RT: 4.56 min Scan# 569
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion: 77 Resp: 221821
Ion Ratio Lower Upper
77 100
97 22.4 11.1 33.3



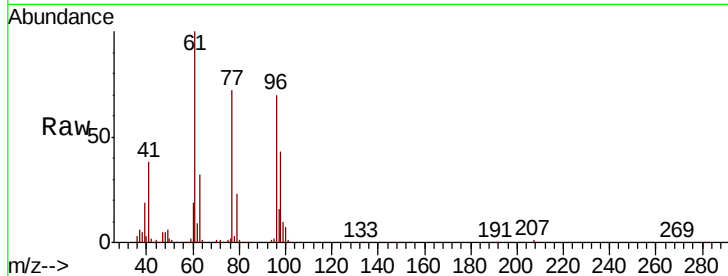


#27

cis-1,2-Dichloroethene
Concen: 53.633 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	294.2
98	63.8	0.0	127.4

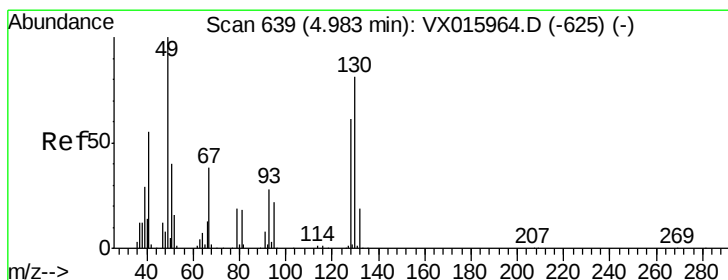
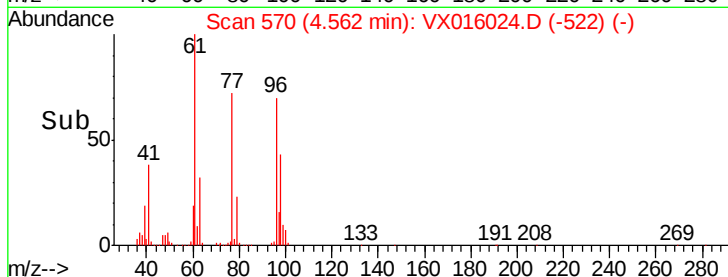
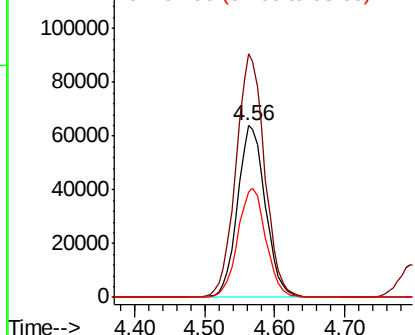


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

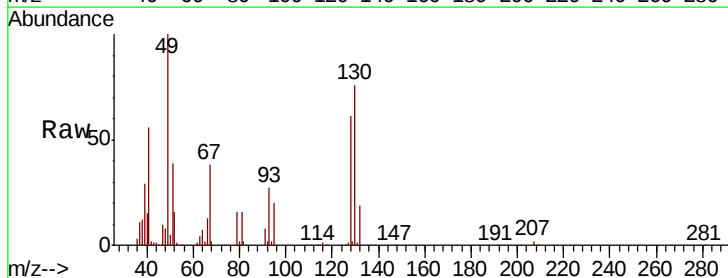
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 49.403 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	76.2	63.9	95.9

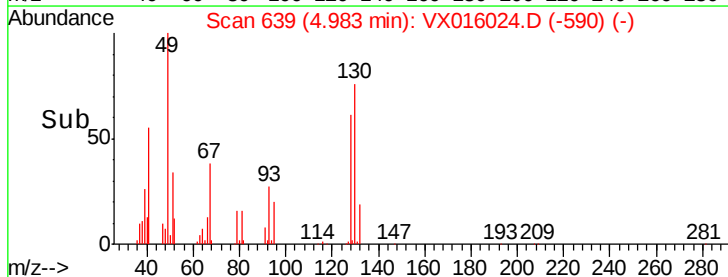
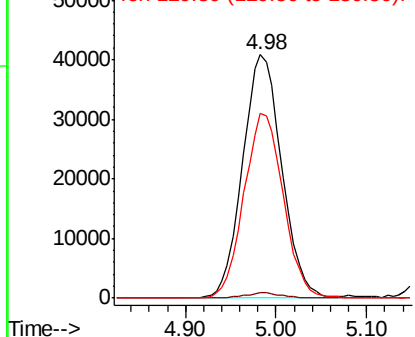


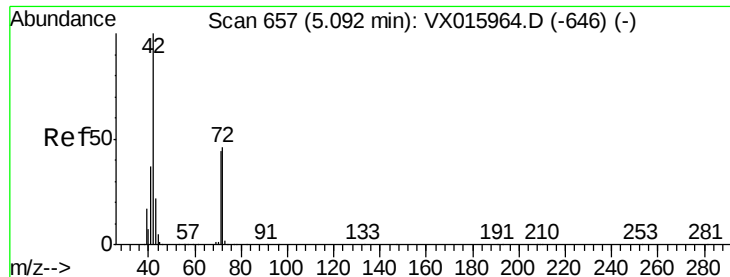
Abundance

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: 281.644 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

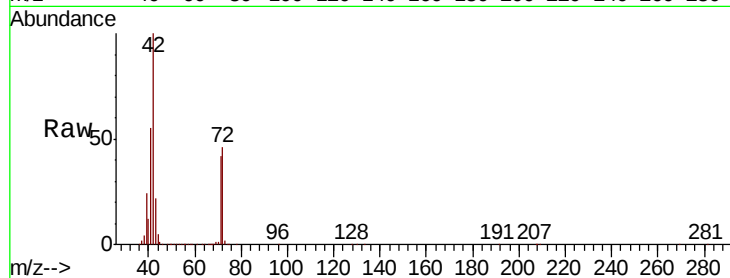
Tot Ion: 42 Resp: 451796

Ion Ratio Lower Upper

42 100

72 46.1 37.4 56.0

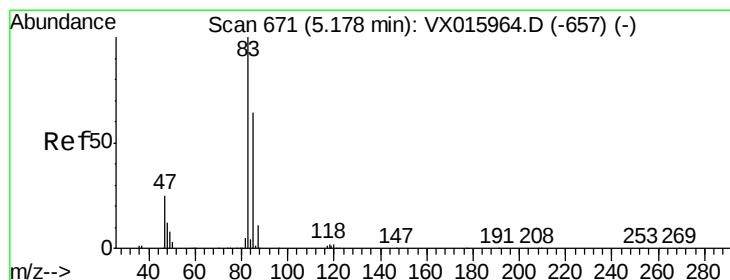
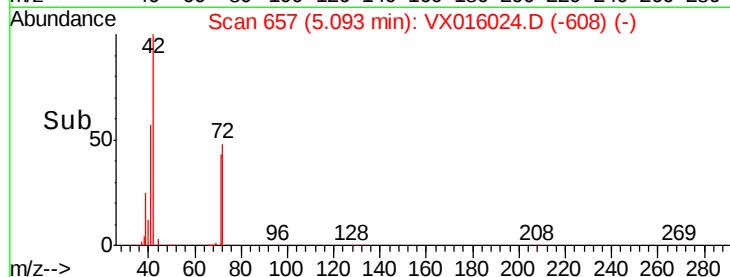
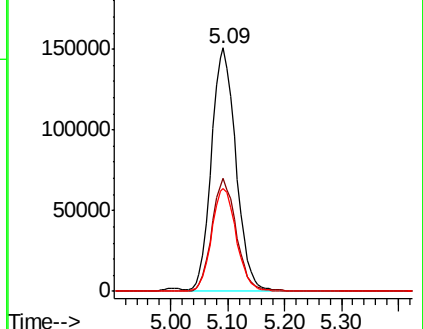
71 42.7 34.6 52.0



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: 53.670 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX016024.D

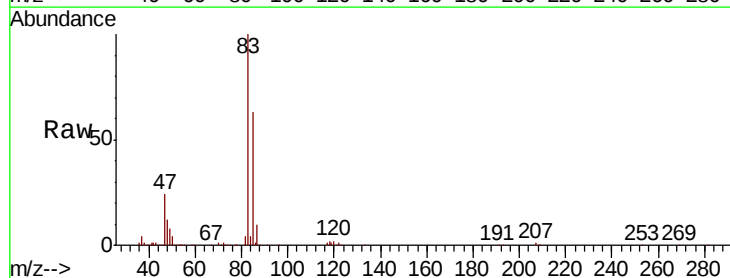
Acq: 01 May 2020 20:03

Tgt Ion: 83 Resp: 284888

Ion Ratio Lower Upper

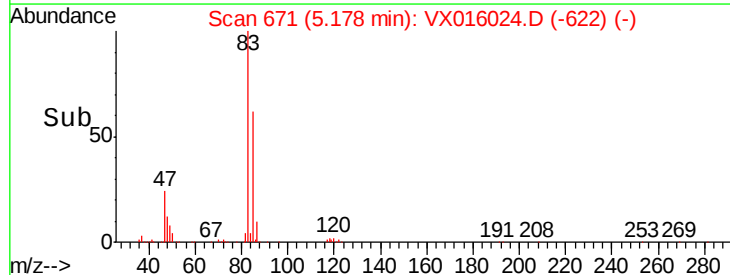
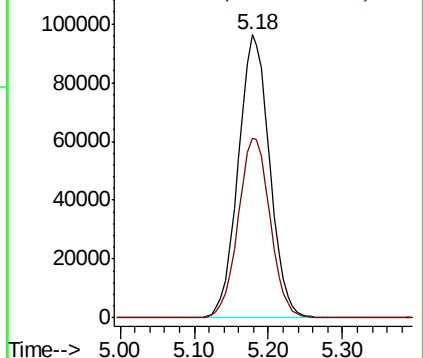
83 100

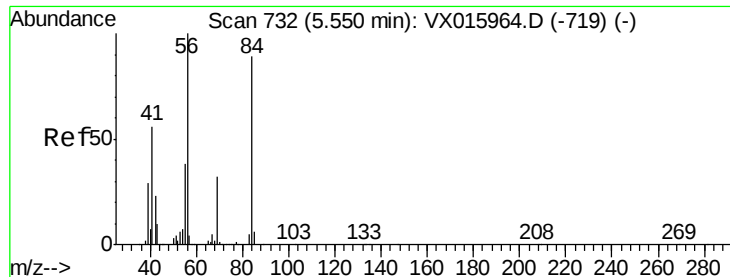
85 63.3 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

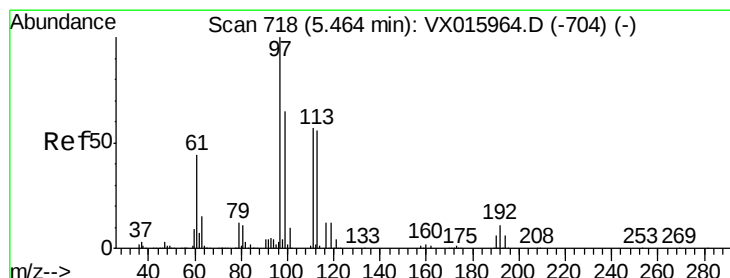
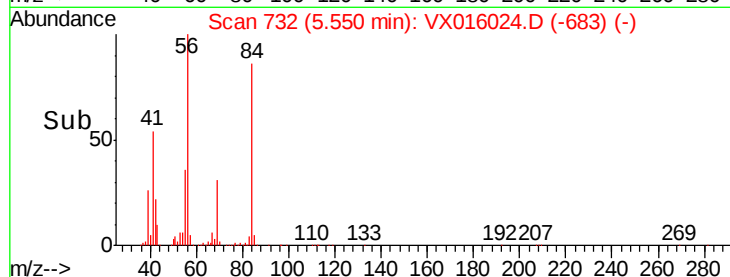
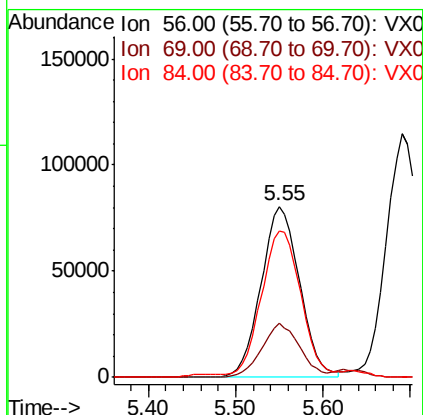
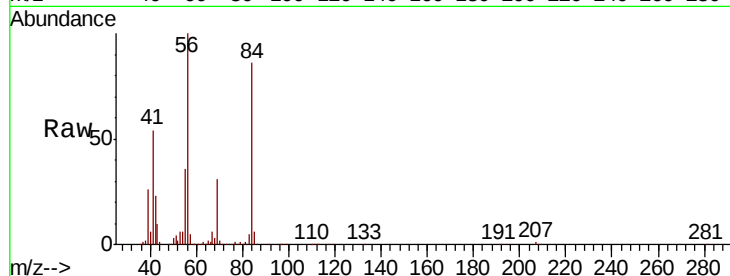




#31
Cyclohexane
Concen: 54.472 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

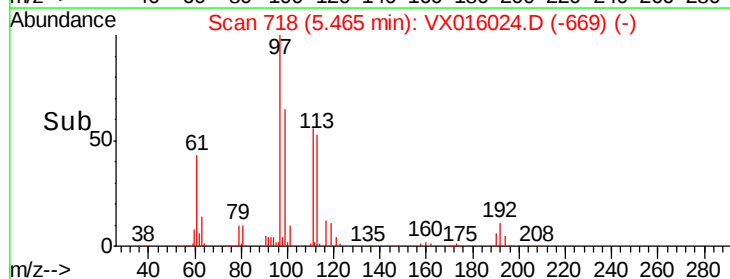
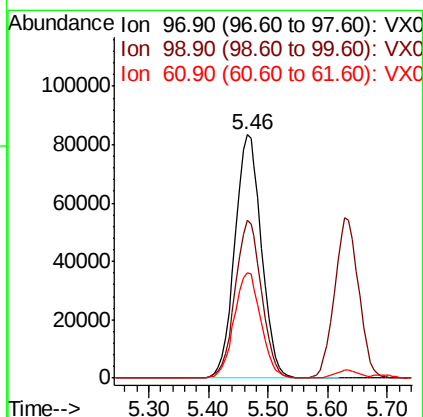
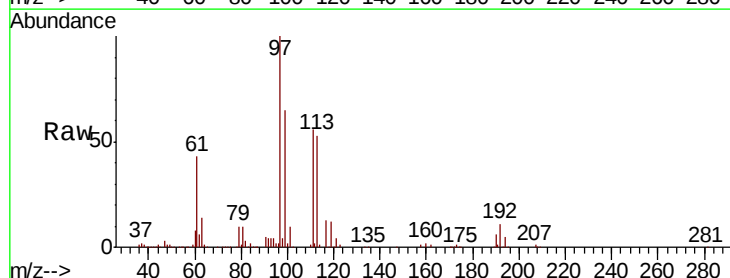
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

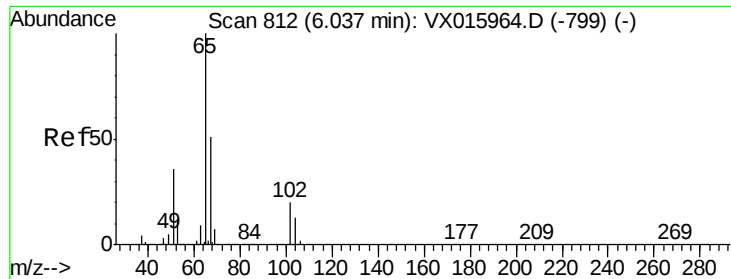
Tot Ion: 56 Resp: 247546
Ion Ratio Lower Upper
56 100
69 31.5 25.4 38.2
84 84.7 71.0 106.6



#32
1,1,1-Trichloroethane
Concen: 52.825 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion: 97 Resp: 258174
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 43.7 35.7 53.5





#33

1,2-Dichloroethane-d4

Concen: 48.589 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

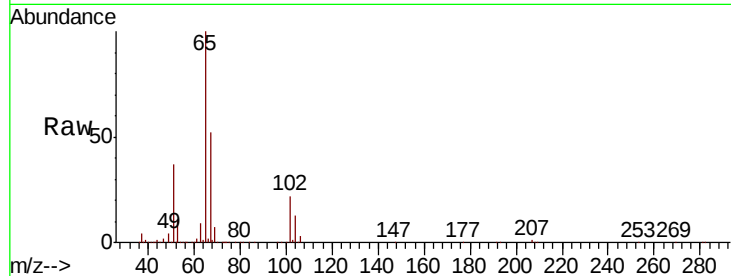
SA-PZ191I-20200429MSD

Tot Ion: 65 Resp: 171633

Ion Ratio Lower Upper

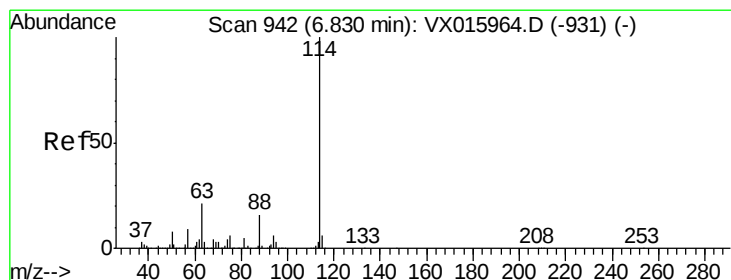
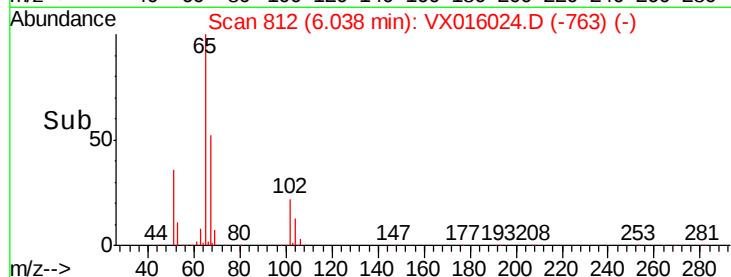
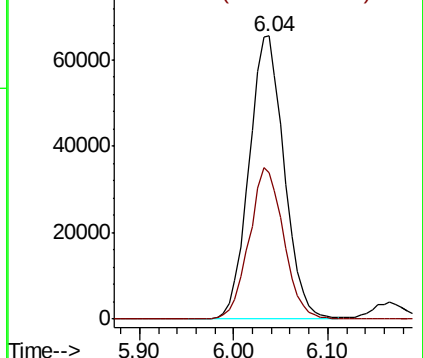
65 100

67 52.7 0.0 102.4



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: VX016024.D

Acq: 01 May 2020 20:03

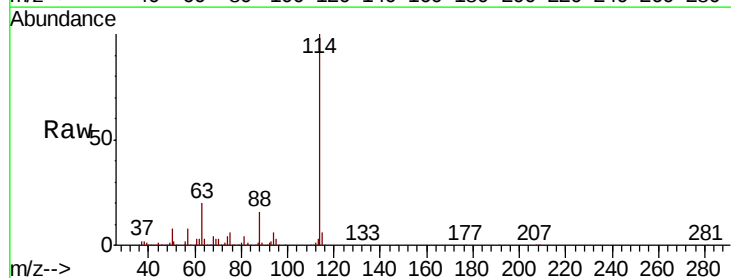
Tgt Ion: 114 Resp: 445153

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.2

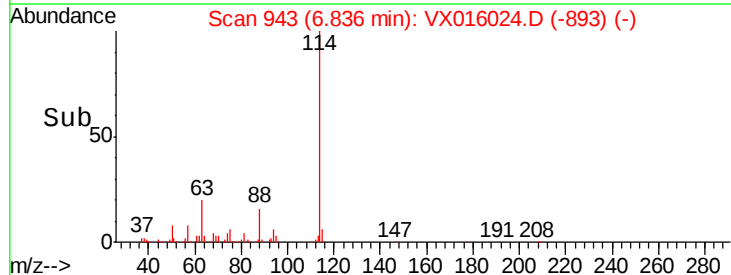
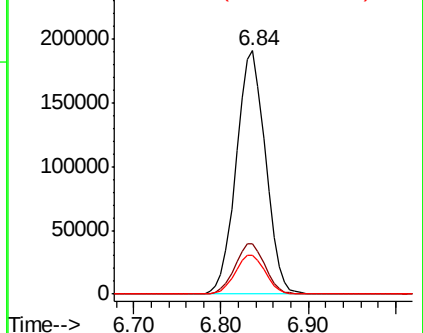
88 16.1 0.0 31.8

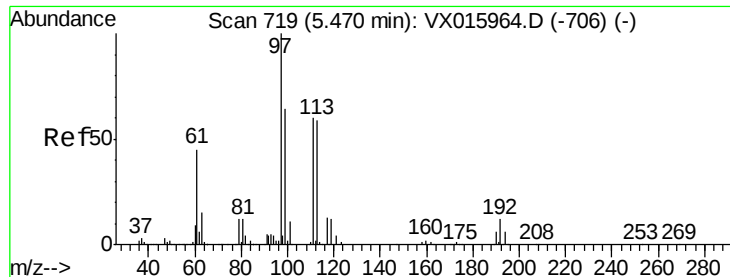


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

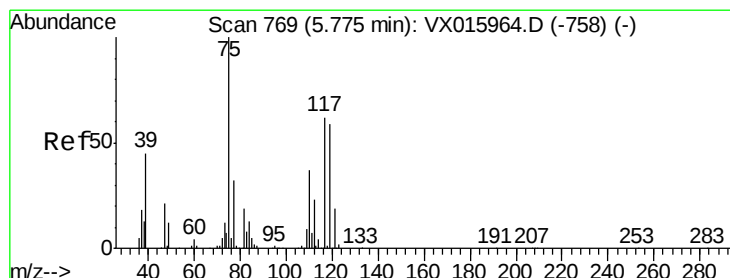
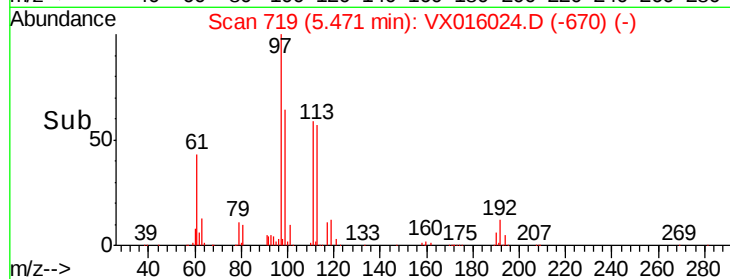
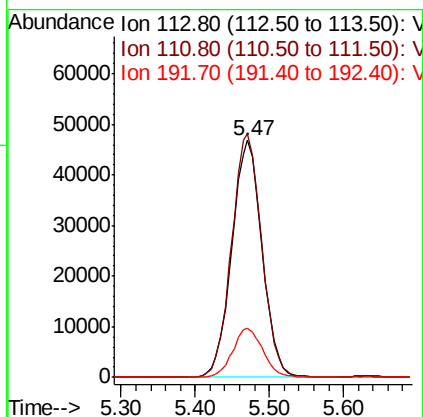
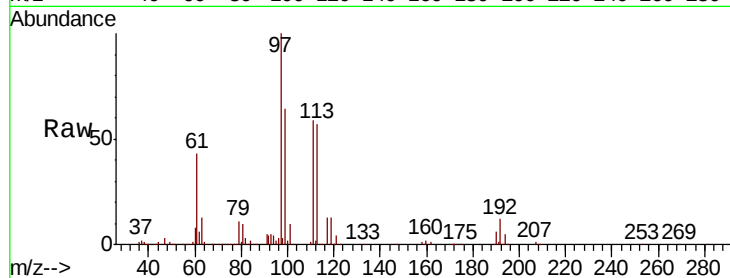




#35
 Dibromofluoromethane
 Concen: 47.940 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

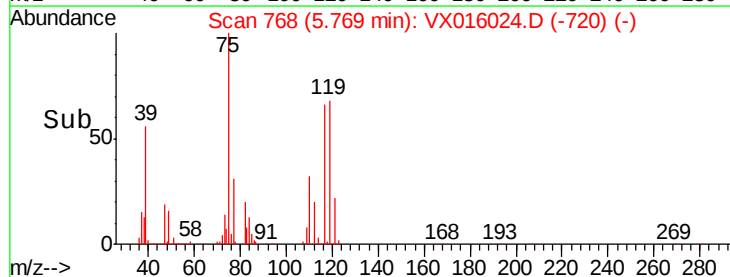
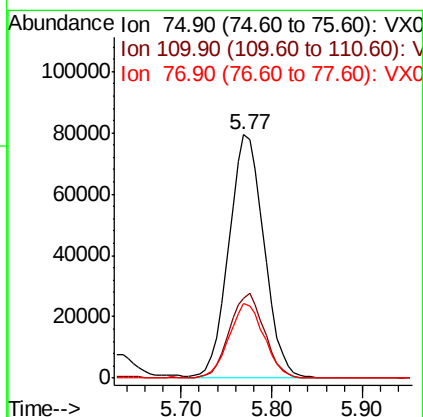
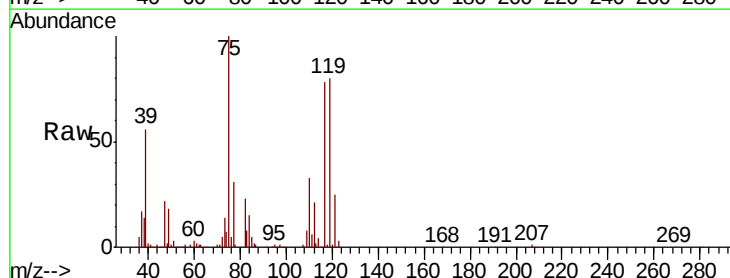
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

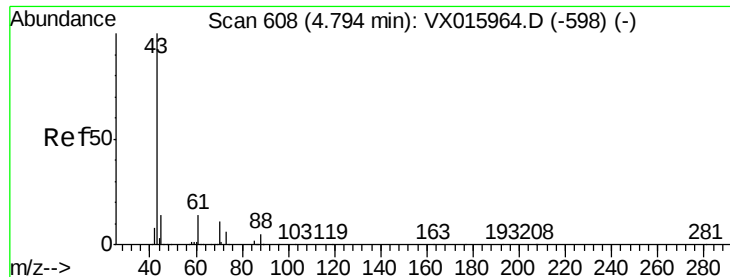
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.8
192	20.7	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 50.112 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.9	53.7
77	30.6	25.2	37.8

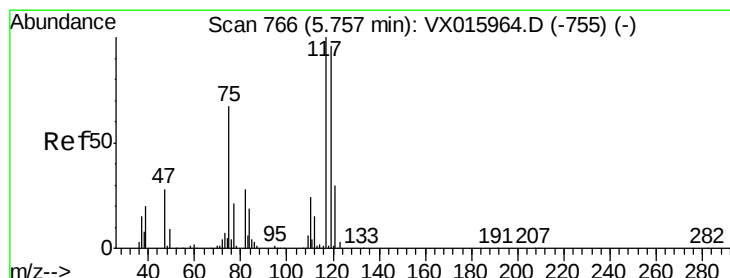
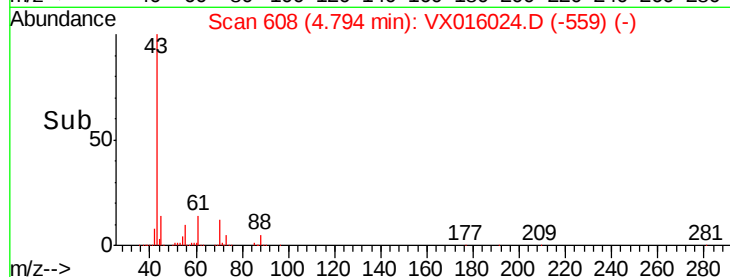
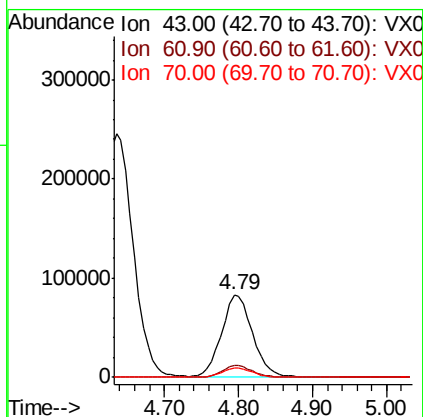
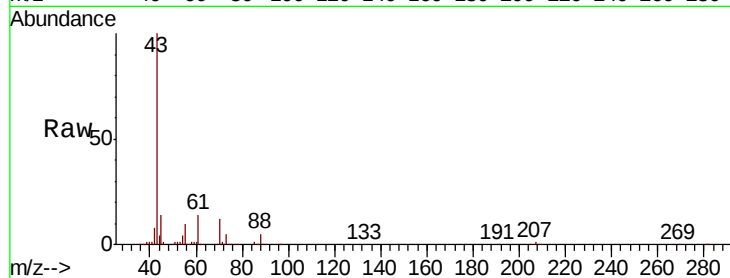




#37
Ethyl Acetate
Concen: 49.585 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

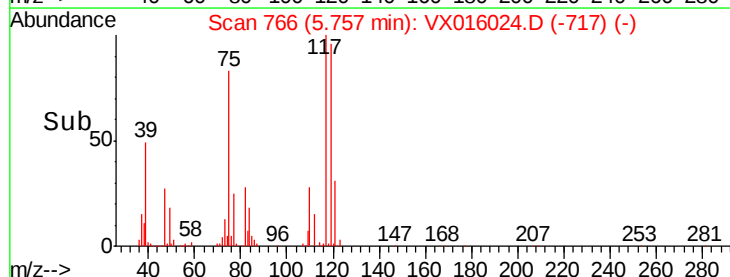
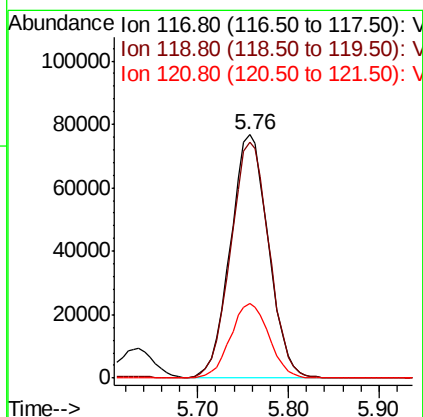
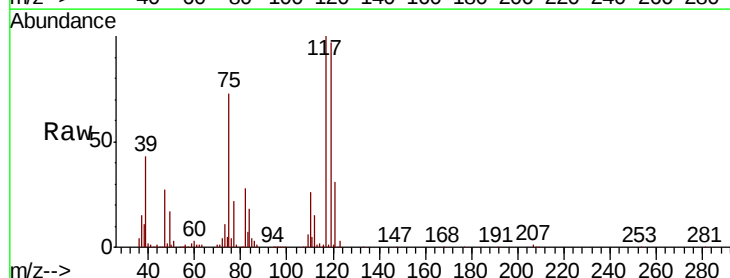
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

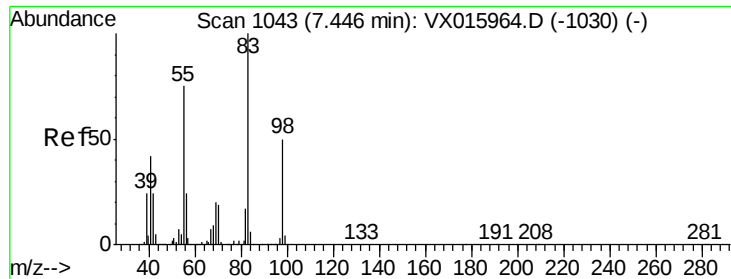
Tot Ion: 43 Resp: 241066
Ion Ratio Lower Upper
43 100
61 14.2 11.6 17.4
70 11.4 8.9 13.3



#38
Carbon Tetrachloride
Concen: 49.585 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion: 117 Resp: 222053
Ion Ratio Lower Upper
117 100
119 96.8 76.2 114.4
121 31.0 24.2 36.4

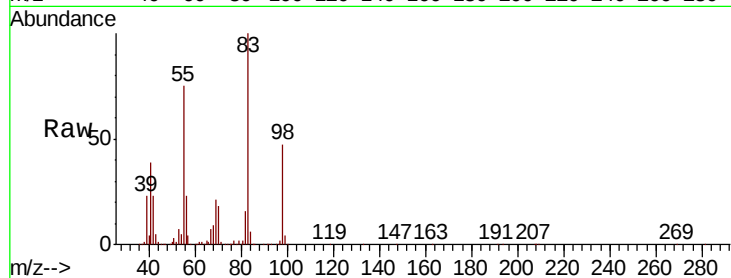




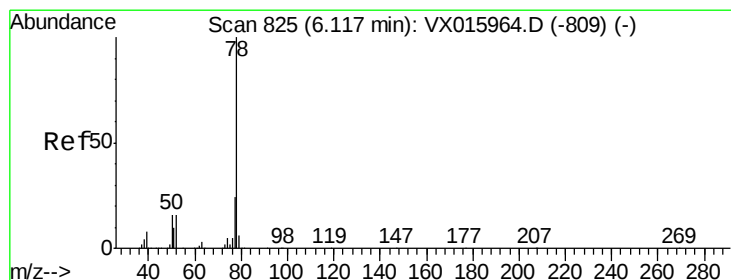
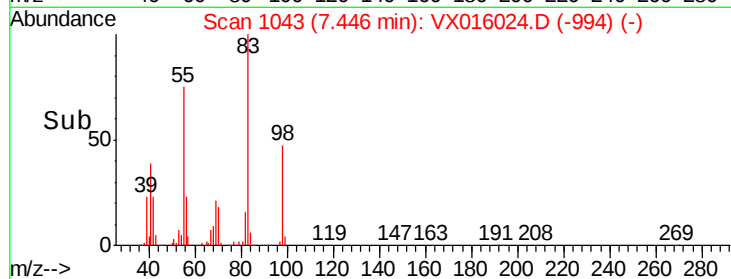
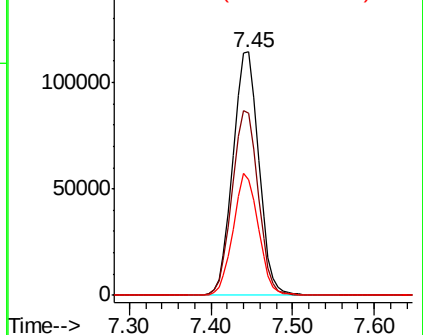
#39
Methvlcvclohexane
Concen: 51.140 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	83	Resp	250800
Ion Ratio	Lower	Upper	
83	100		
55	74.8	59.9	89.9
98	47.3	39.9	59.9

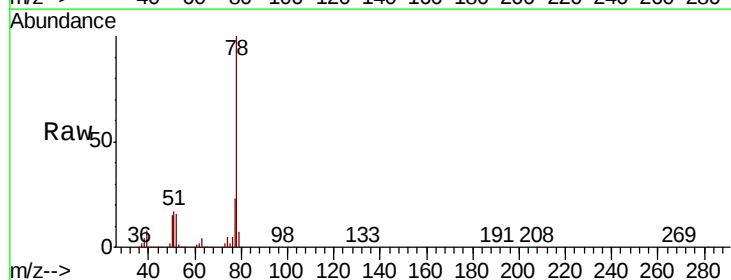


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

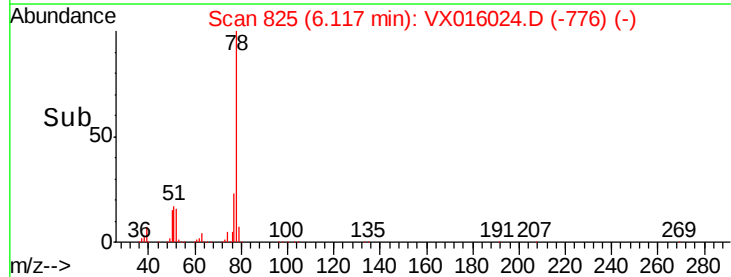
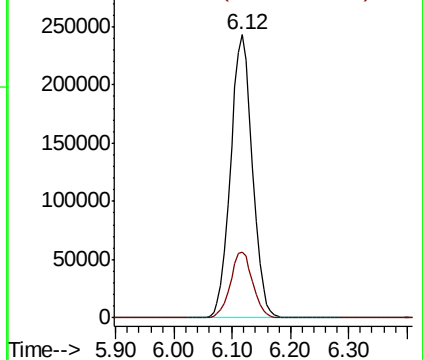


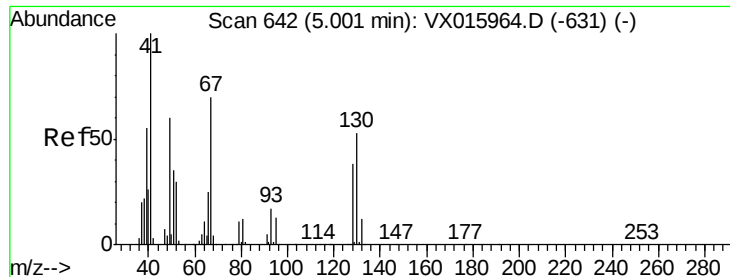
#40
Benzene
Concen: 52.234 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	78	Resp	631896
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

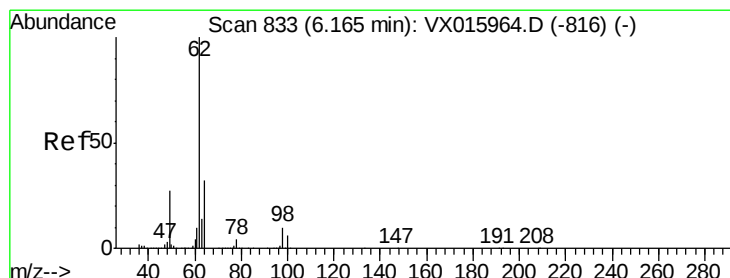
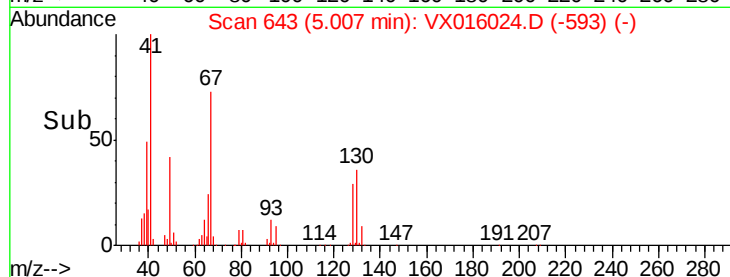
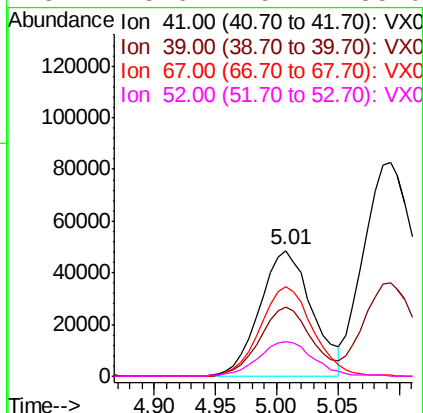
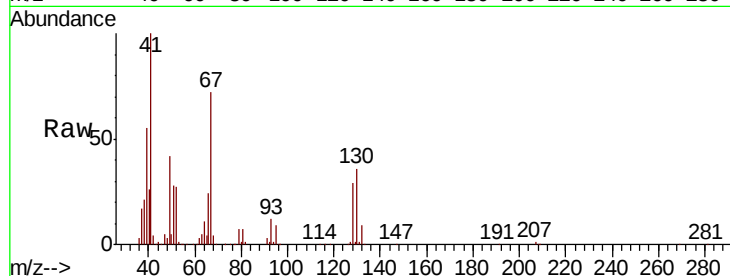




#41
Methacrylonitrile
Concen: 55.412 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

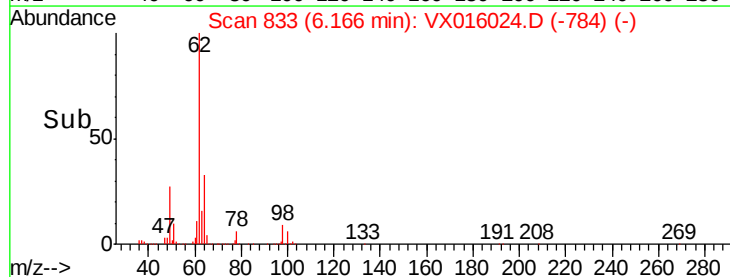
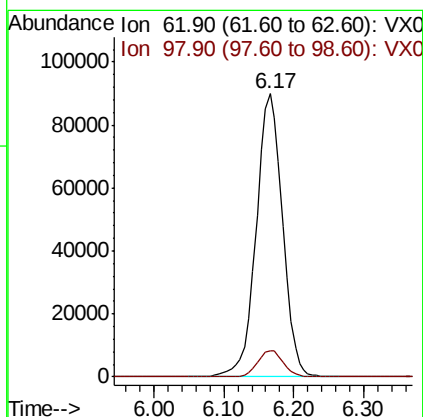
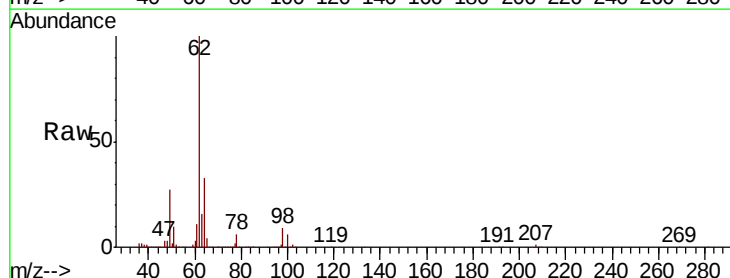
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

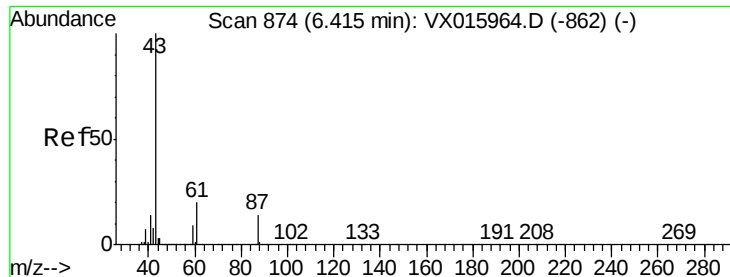
Tot Ion:	41	Resp:	144200
Ion	Ratio	Lower	Upper
41	100		
39	54.7	45.2	67.8
67	72.1	59.4	89.2
52	28.6	25.4	38.0



#42
1,2-Dichloroethane
Concen: 50.199 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion:	62	Resp:	235300
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 49.479 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

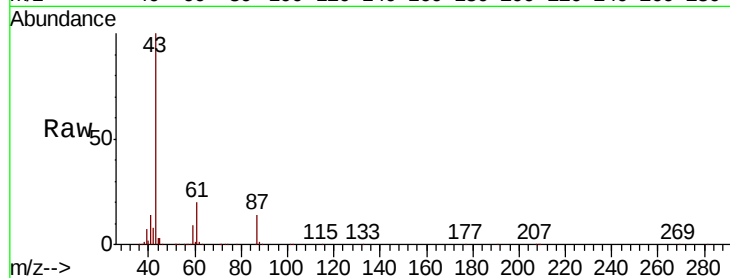
Tot Ion: 43 Resp: 398340

Ion Ratio Lower Upper

43 100

61 20.9 16.1 24.1

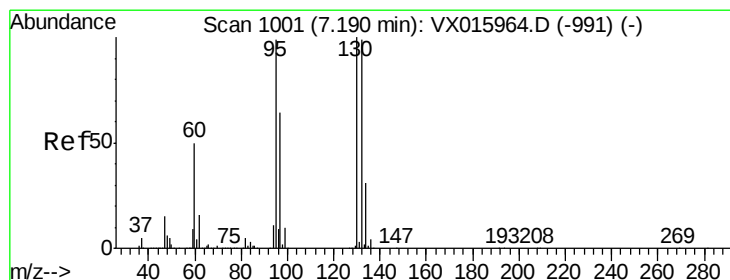
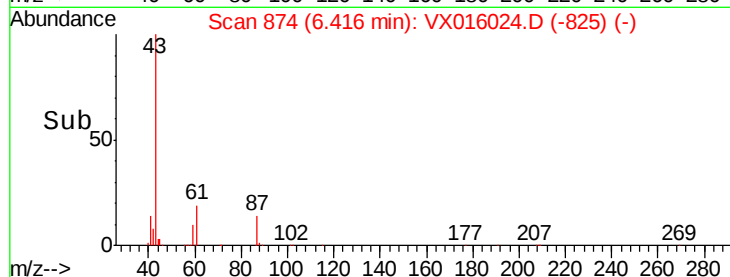
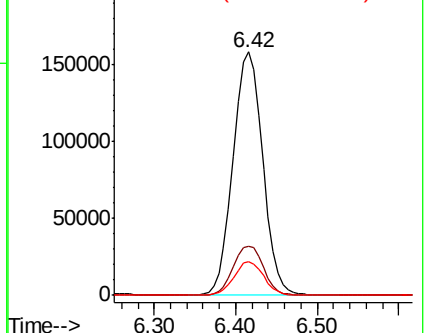
87 13.9 10.9 16.3



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: 48.511 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016024.D

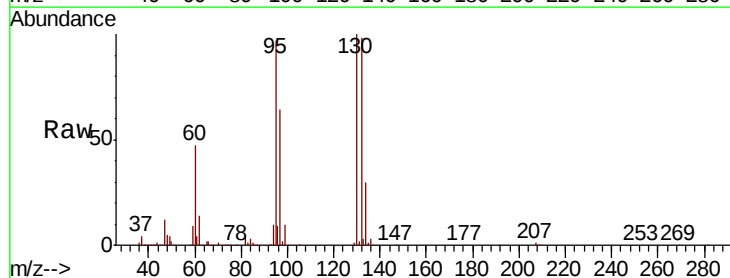
Acq: 01 May 2020 20:03

Tgt Ion:130 Resp: 211529

Ion Ratio Lower Upper

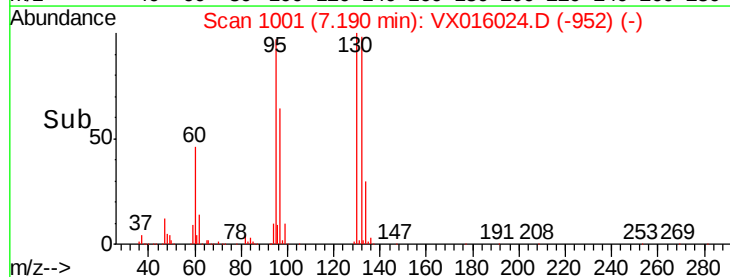
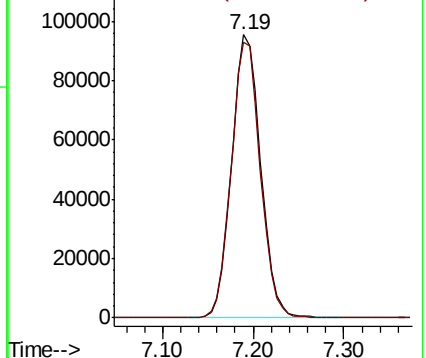
130 100

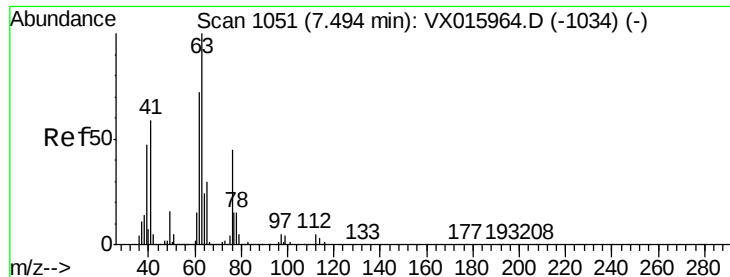
95 97.5 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

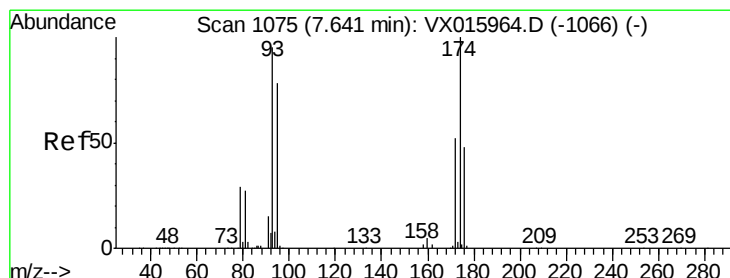
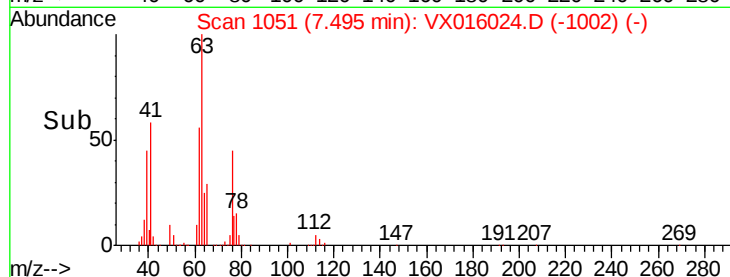
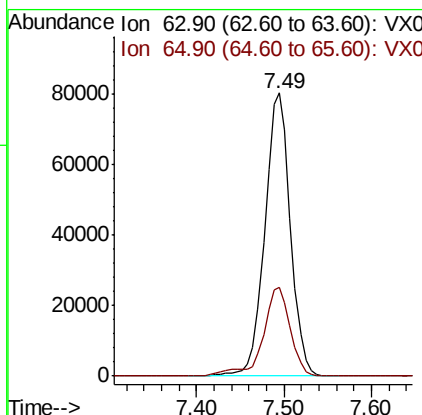
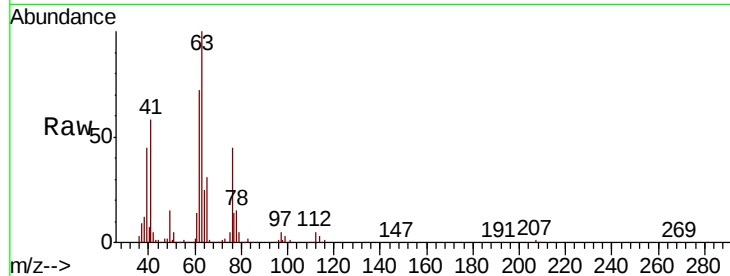




#45
 1,2-Dichloropropane
 Concen: 52.603 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

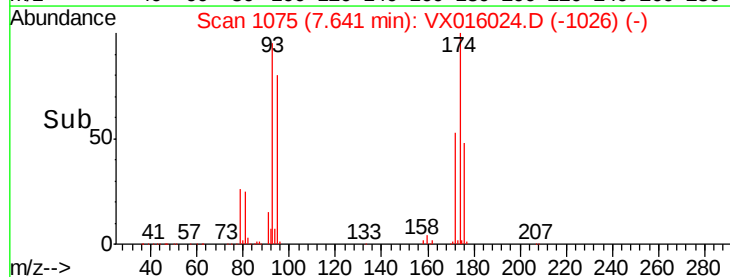
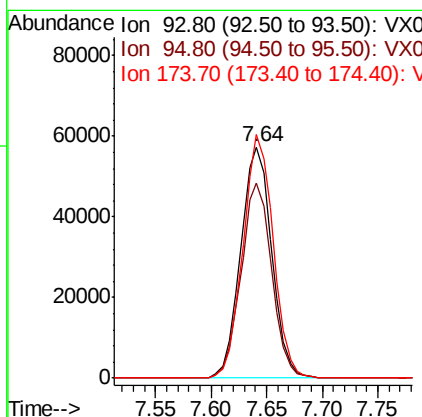
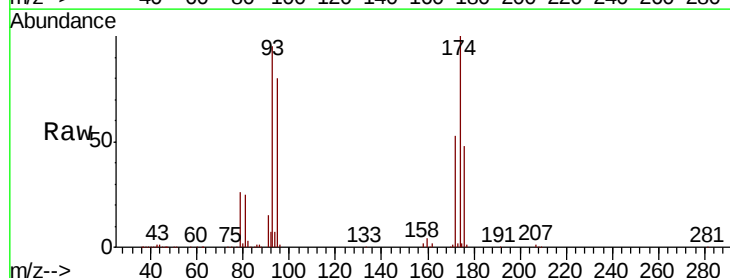
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

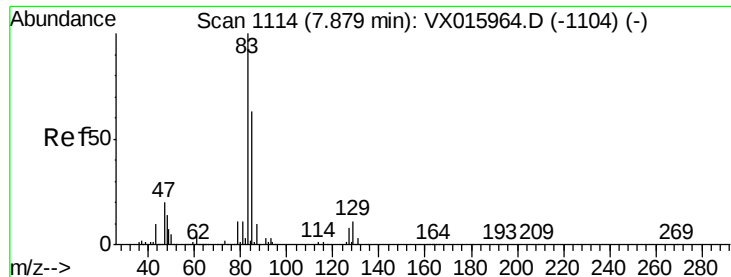
Tot Ion: 63 Resp: 164461
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.3 36.5



#46
 Dibromomethane
 Concen: 49.913 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion: 93 Resp: 110885
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.5 98.3
 174 103.2 82.7 124.1





#47

Bromodichloromethane

Concen: 52.164 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

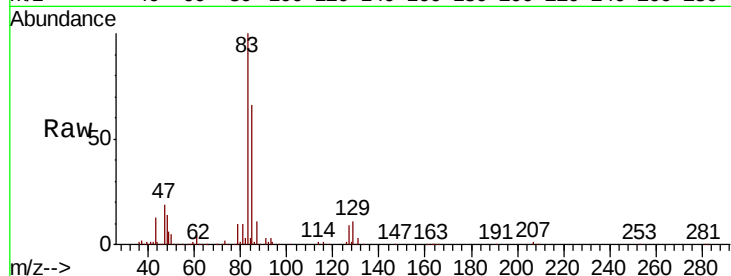
Tot Ion: 83 Resp: 230286

Ion Ratio Lower Upper

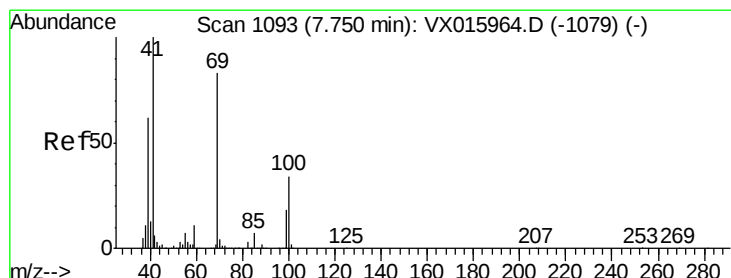
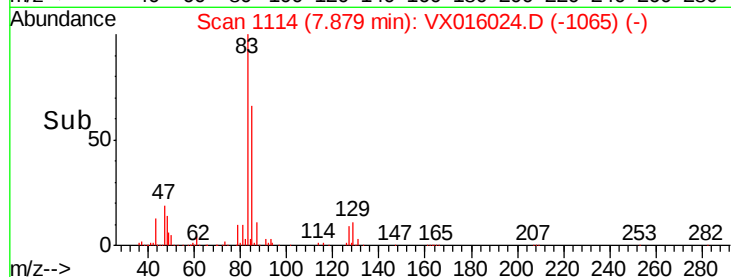
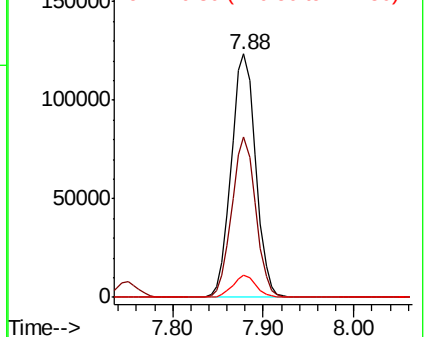
83 100

85 66.0 50.6 75.8

127 9.1 6.7 10.1



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: 53.966 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

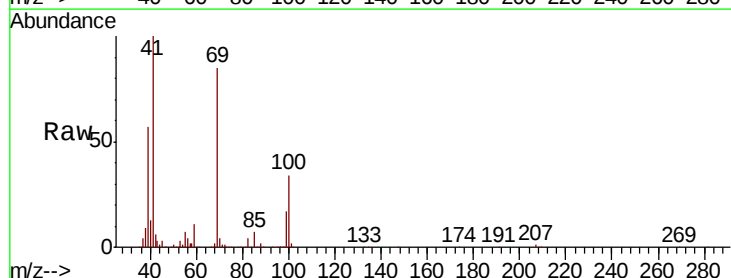
Tgt Ion: 41 Resp: 200593

Ion Ratio Lower Upper

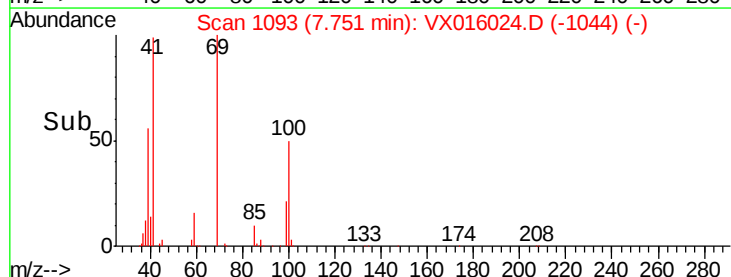
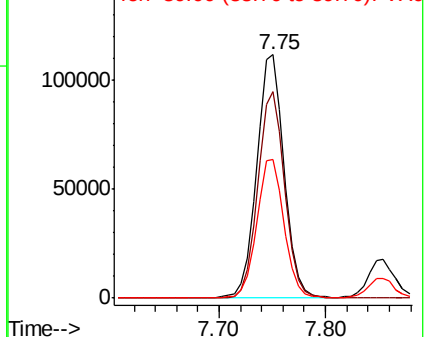
41 100

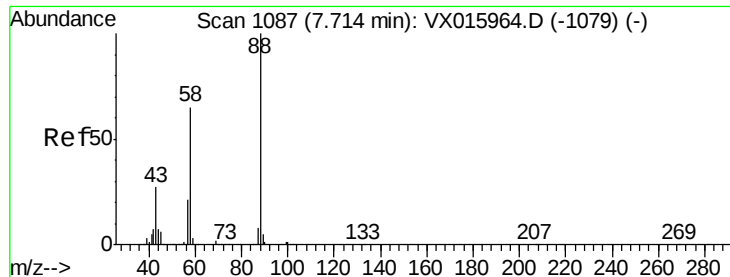
69 83.3 66.0 99.0

39 57.0 49.0 73.4



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: 1087.786 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

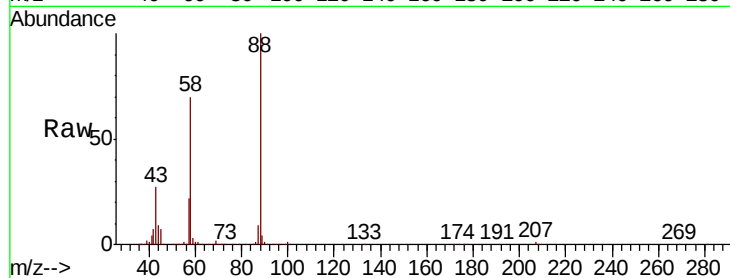
Tot Ion: 88 Resp: 95119

Ion Ratio Lower Upper

88 100

43 31.7 26.6 39.8

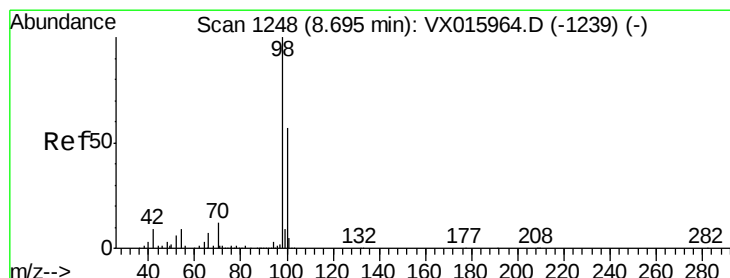
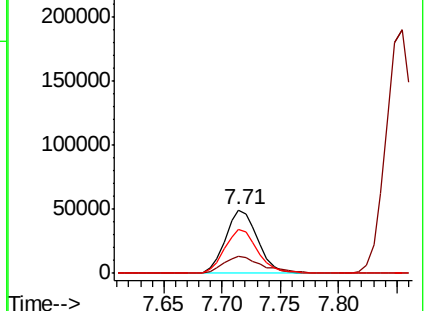
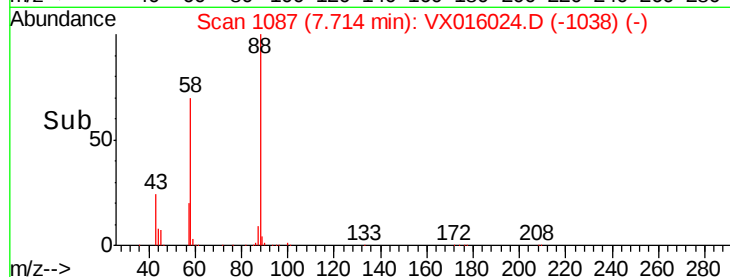
58 71.1 54.8 82.2



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: 48.617 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016024.D

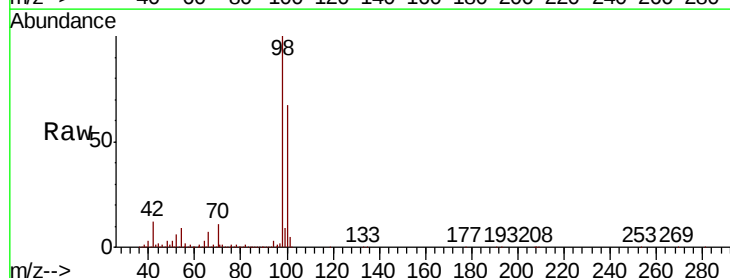
Acq: 01 May 2020 20:03

Tgt Ion: 98 Resp: 504761

Ion Ratio Lower Upper

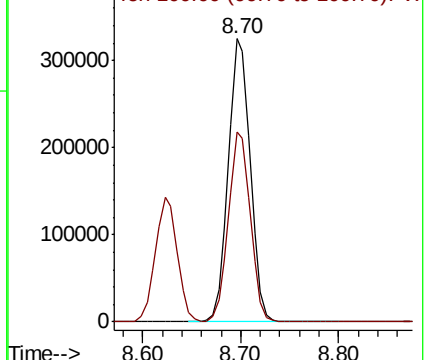
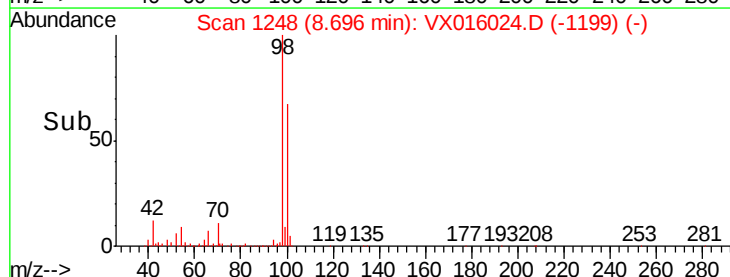
98 100

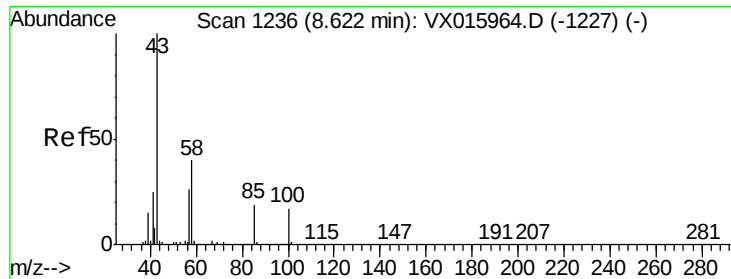
100 67.0 53.1 79.7



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: 270.694 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

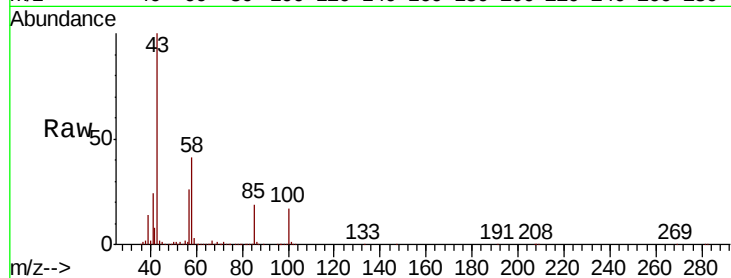
SA-PZ191I-20200429MSD

Tot Ion: 43 Resp: 1321873

Ion Ratio Lower Upper

43 100

58 41.2 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

1000000

800000

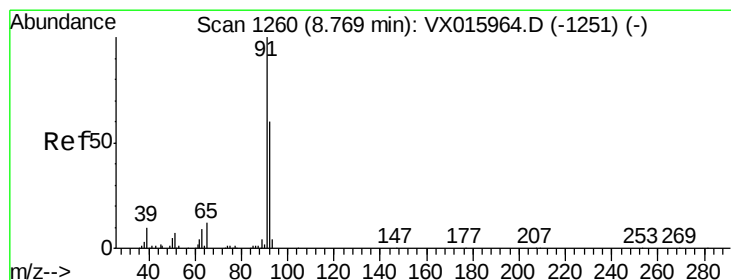
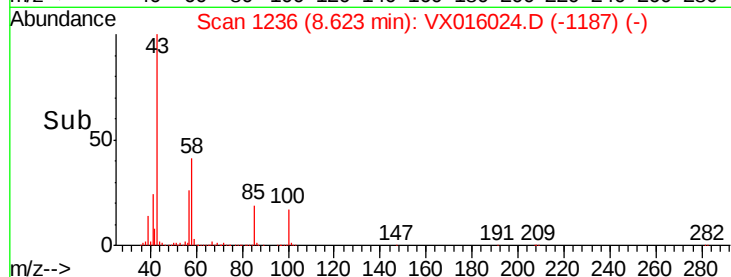
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.276 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX016024.D

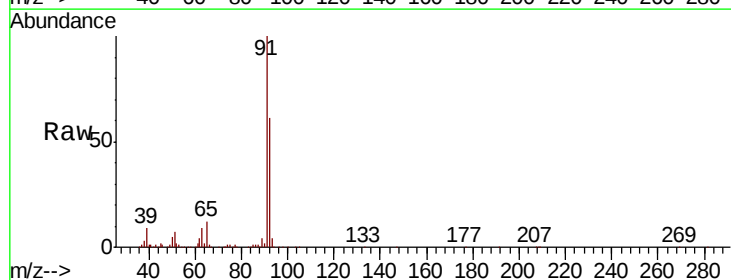
Acq: 01 May 2020 20:03

Tgt Ion: 92 Resp: 401425

Ion Ratio Lower Upper

92 100

91 168.6 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

500000

400000

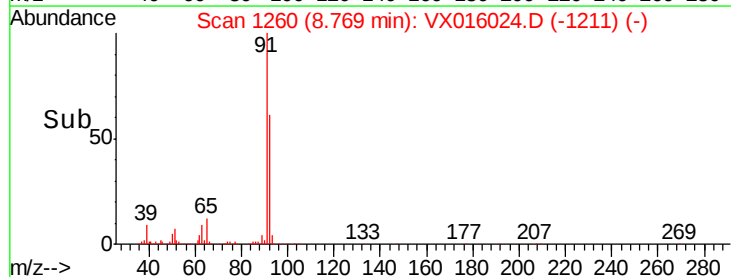
300000

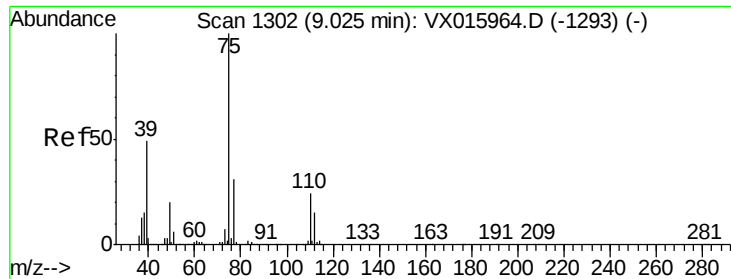
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.598 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

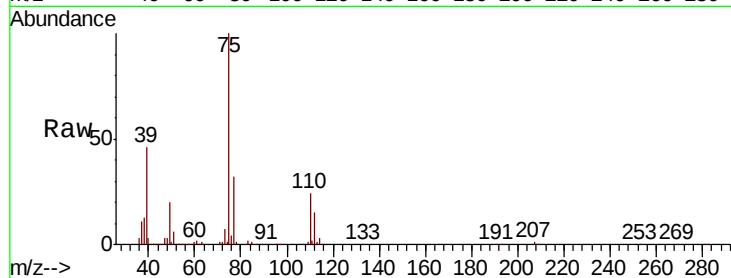
SA-PZ191I-20200429MSD

Tot Ion: 75 Resp: 265045

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

200000

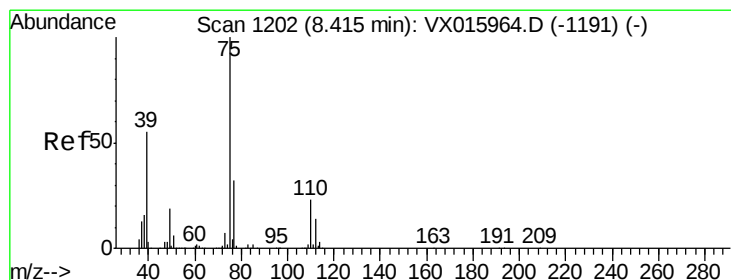
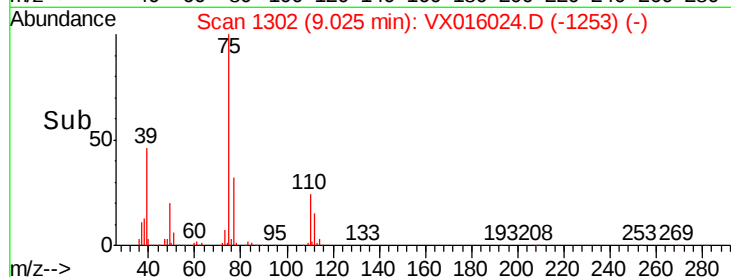
150000

100000

50000

0

Time--> 8.90 8.95 9.00 9.05 9.10



#54

cis-1,3-Dichloropropene

Concen: 50.551 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

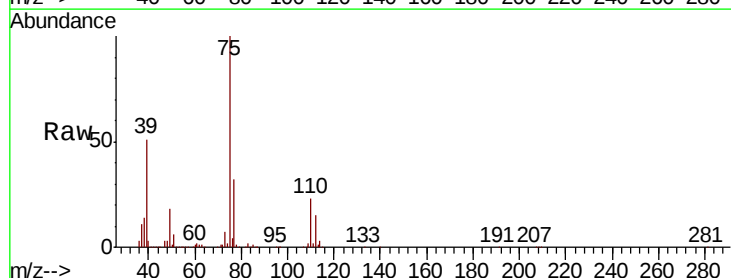
Tgt Ion: 75 Resp: 272345

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 51.4 44.1 66.1



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

8.42

200000

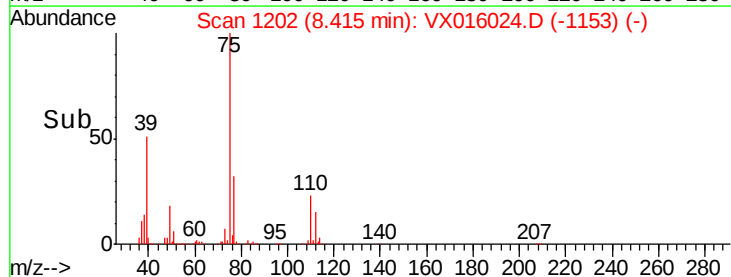
150000

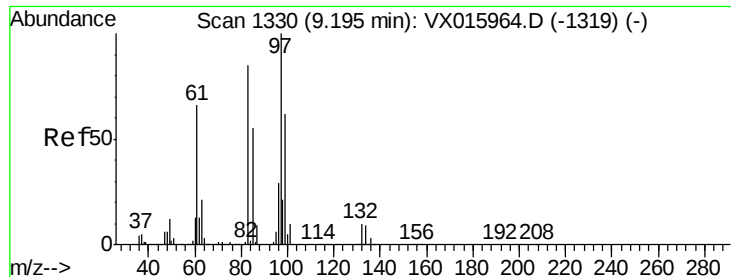
100000

50000

0

Time--> 8.30 8.40 8.50

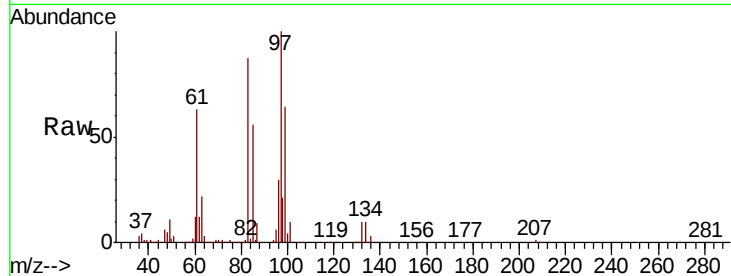




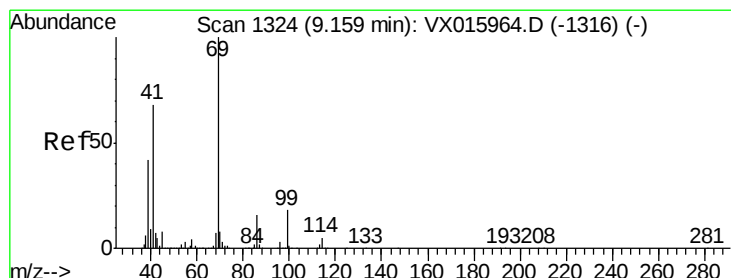
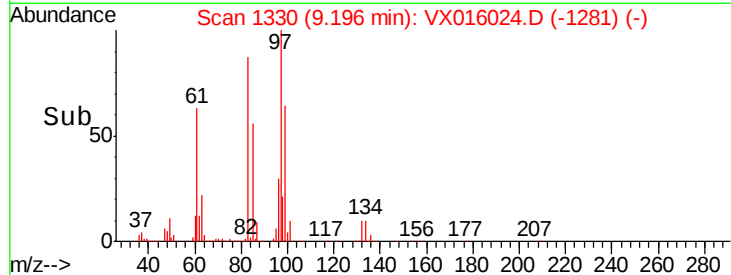
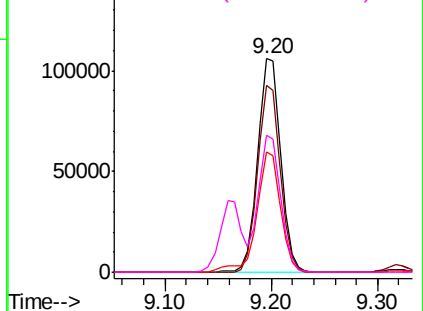
#55
 1,1,2-Trichloroethane
 Concen: 52.615 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Tot Ion:	97	Resp:	161462
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.2	102.2
85	56.2	43.7	65.5
99	64.1	49.7	74.5

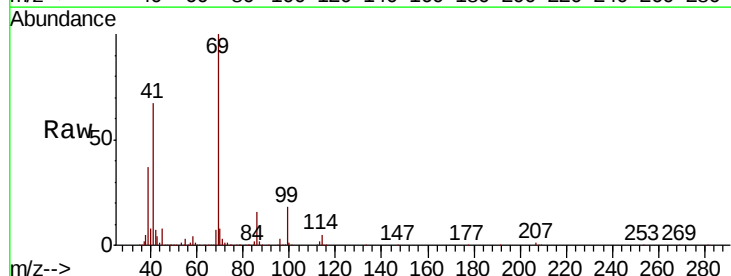


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

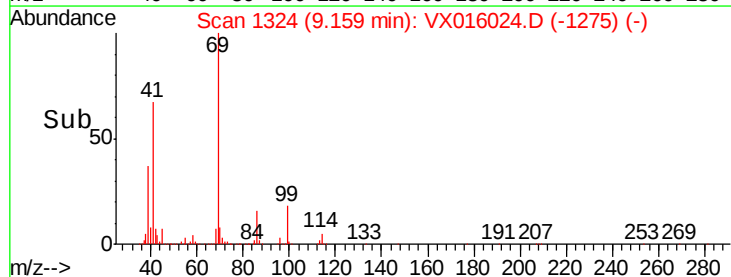
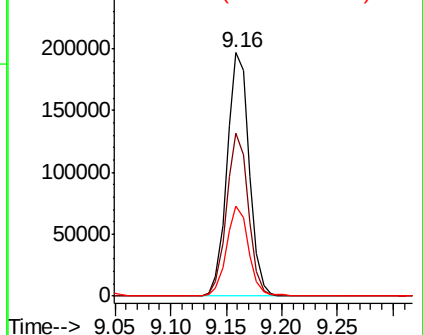


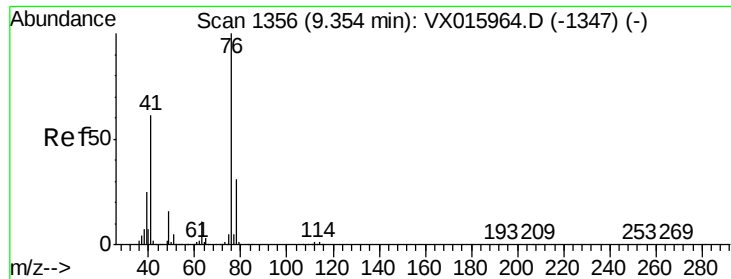
#56
 Ethyl methacrylate
 Concen: 54.070 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion:	69	Resp:	269802
Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.5	80.3
39	36.7	33.4	50.0



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





#57

1,3-Dichloropropane

Concen: 53.203 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

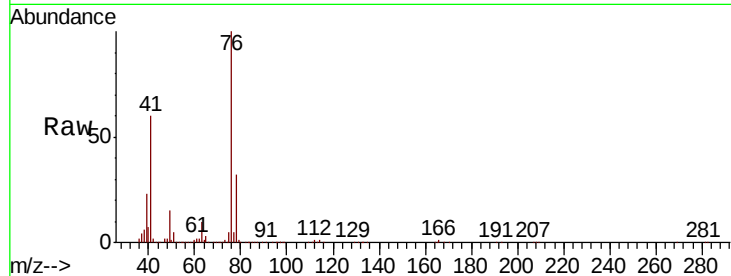
SA-PZ191I-20200429MSD

Tot Ion: 76 Resp: 280518

Ion Ratio Lower Upper

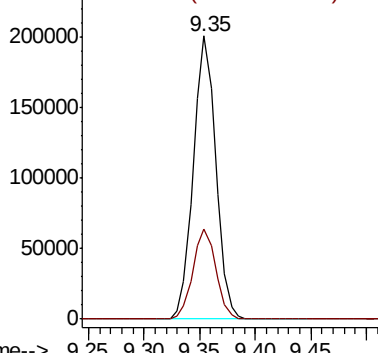
76 100

78 32.4 25.5 38.3

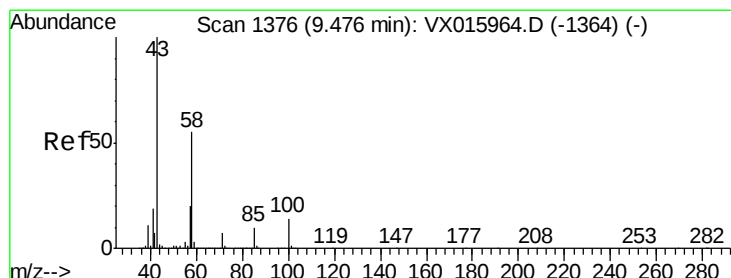
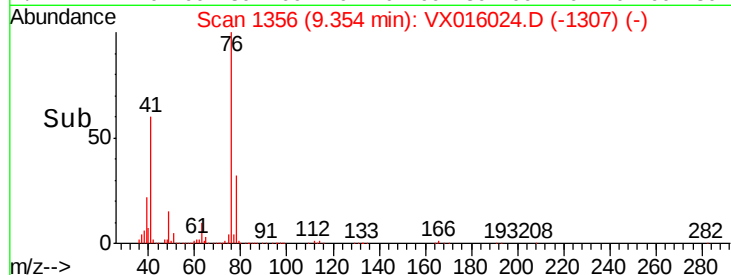


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time--> 9.25 9.30 9.35 9.40 9.45



#59

2-Hexanone

Concen: 272.596 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VX016024.D

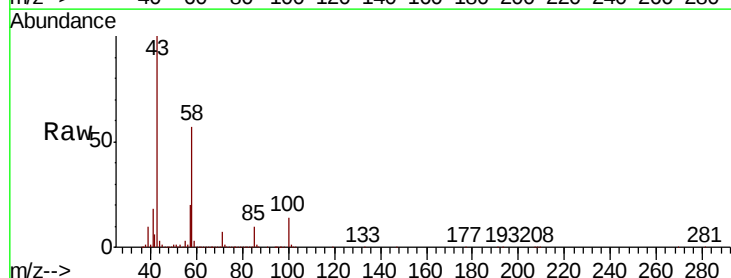
Acq: 01 May 2020 20:03

Tgt Ion: 43 Resp: 1040311

Ion Ratio Lower Upper

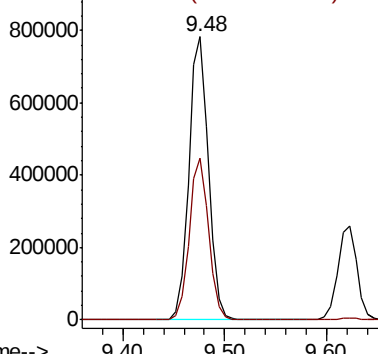
43 100

58 56.8 27.7 83.1

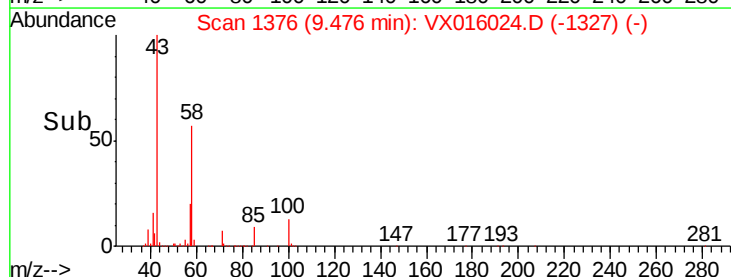


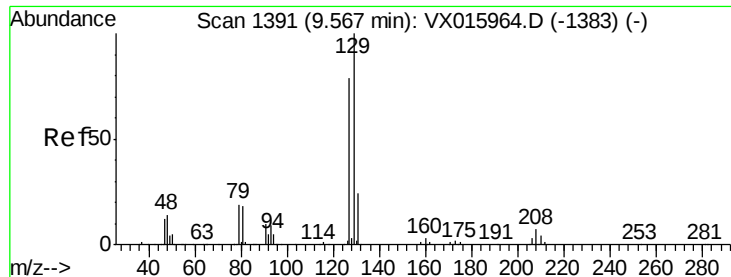
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 9.40 9.50 9.60





#60

Dibromochloromethane

Concen: 53.664 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

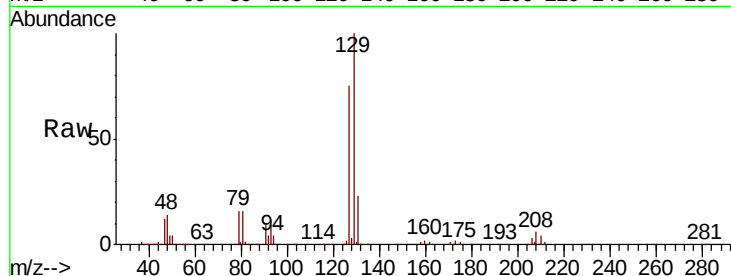
SA-PZ191I-20200429MSD

Tot Ion:129 Resp: 184322

Ion Ratio Lower Upper

129 100

127 76.2 39.4 118.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

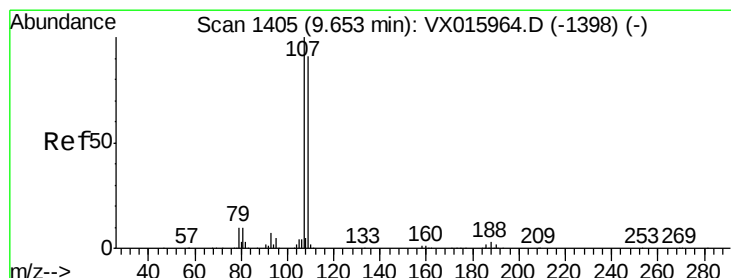
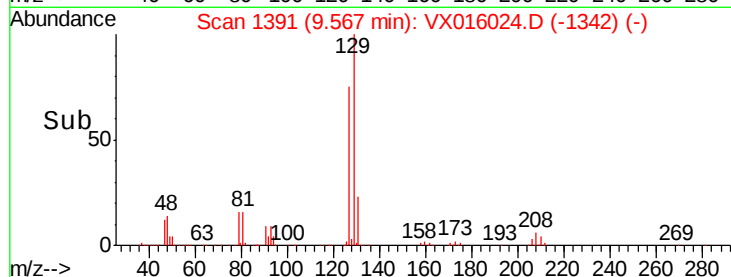
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 53.019 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX016024.D

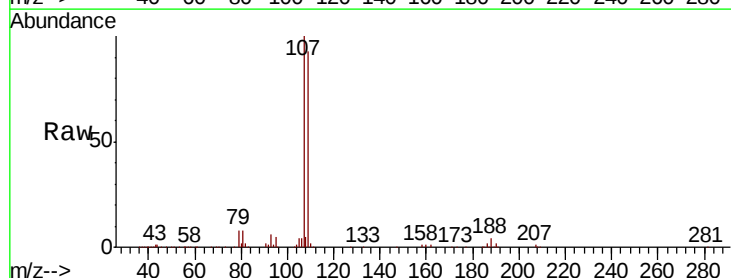
Acq: 01 May 2020 20:03

Tgt Ion:107 Resp: 176433

Ion Ratio Lower Upper

107 100

109 92.4 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

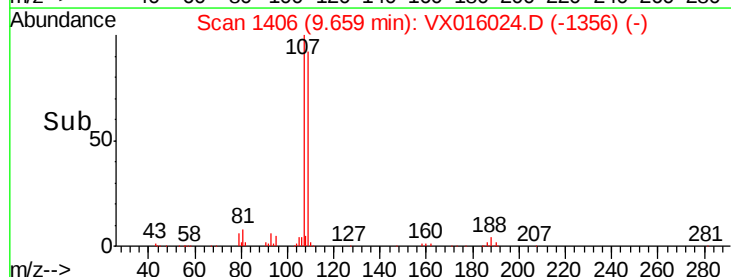
9.66

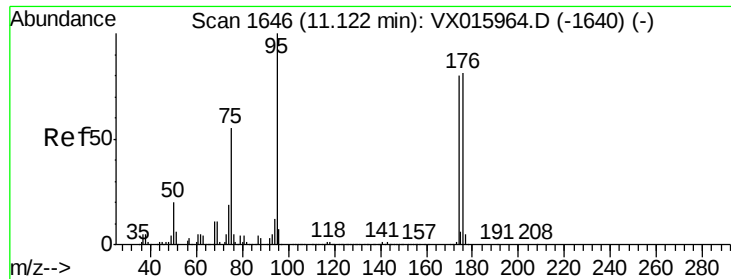
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.130 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

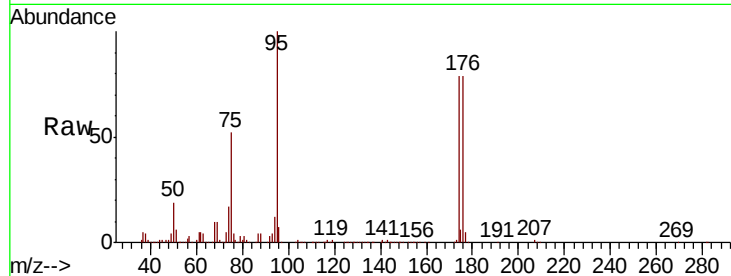
Tot Ion: 95 Resp: 200066

Ion Ratio Lower Upper

95 100

174 79.5 0.0 165.0

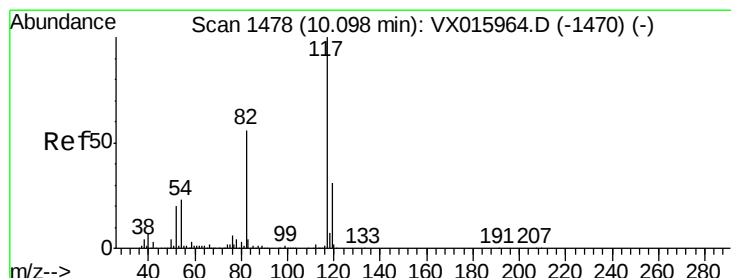
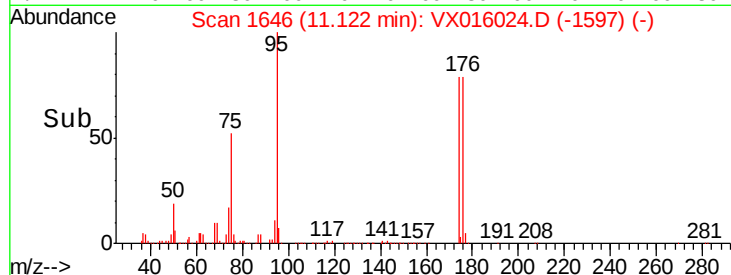
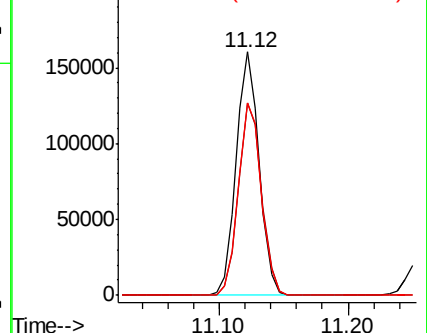
176 79.1 0.0 163.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

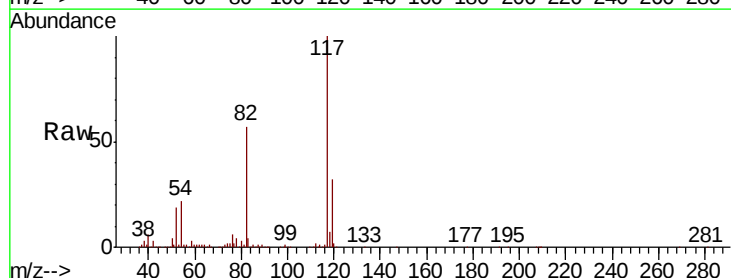
Tgt Ion: 117 Resp: 413632

Ion Ratio Lower Upper

117 100

82 56.6 44.5 66.7

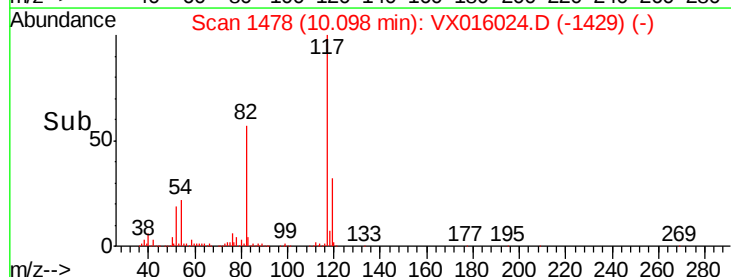
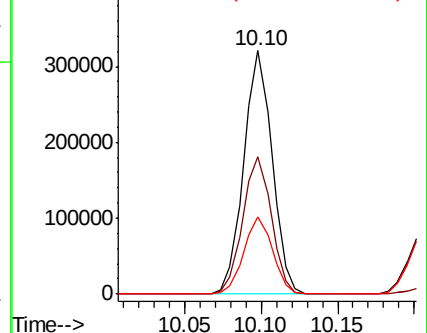
119 31.7 25.0 37.6

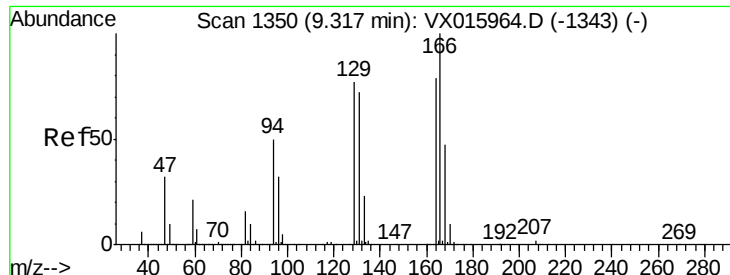


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 49.594 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion:164 Resp: 243354

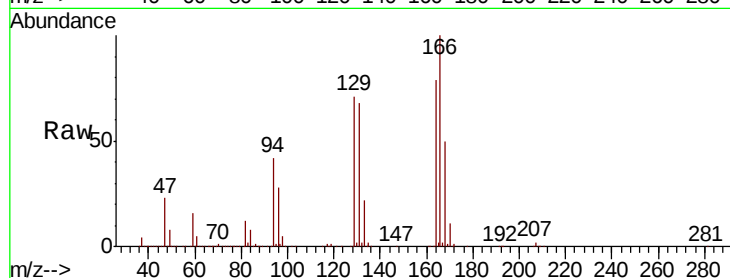
Ion Ratio Lower Upper

164 100

166 127.0 101.0 151.4

129 89.7 77.4 116.0

131 86.1 72.2 108.2

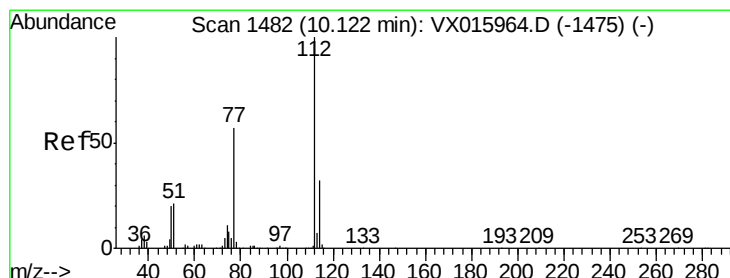
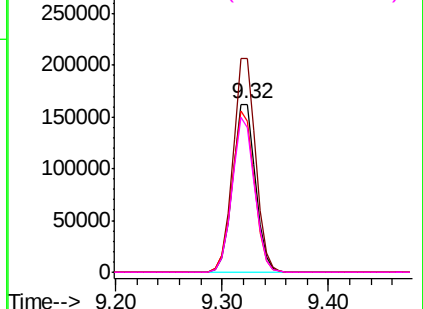
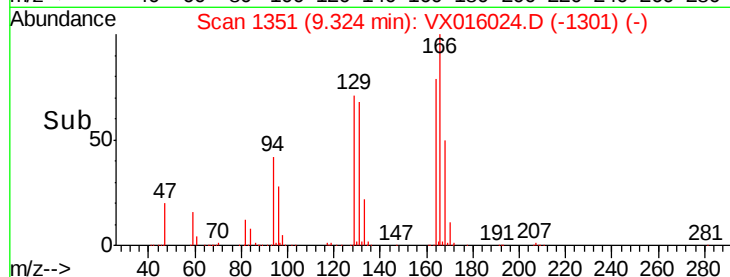


Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.867 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016024.D

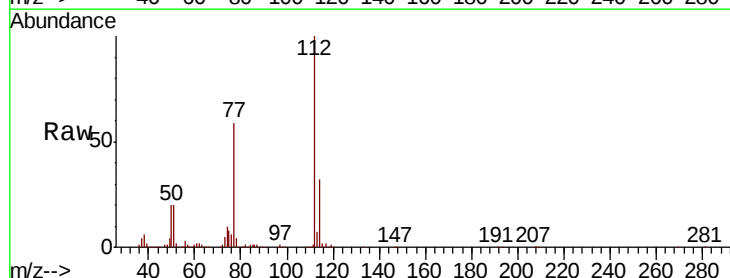
Acq: 01 May 2020 20:03

Tgt Ion:112 Resp: 428537

Ion Ratio Lower Upper

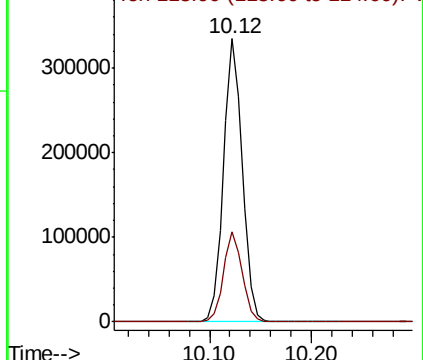
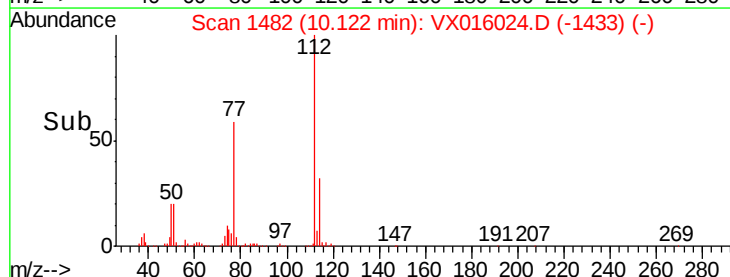
112 100

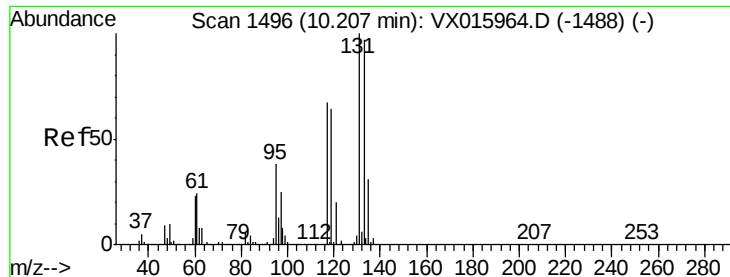
114 32.0 25.4 38.0



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: 51.400 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

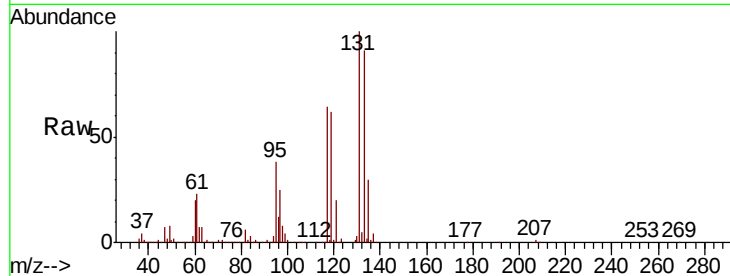
Tot Ion:131 Resp: 163662

Ion Ratio Lower Upper

131 100

133 95.3 48.3 144.8

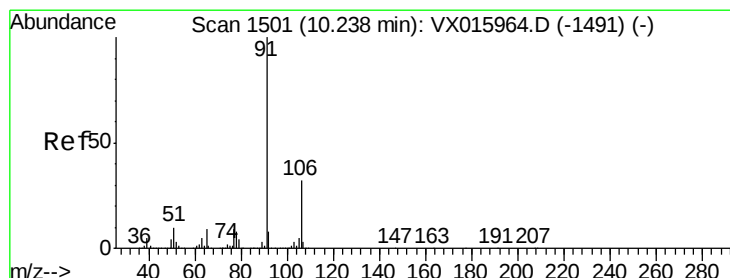
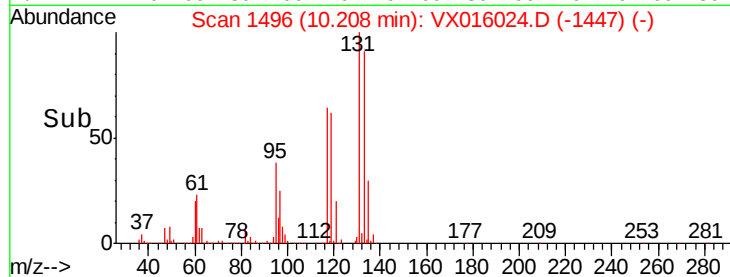
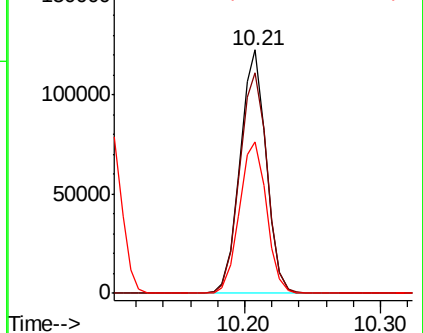
119 64.8 31.6 94.8



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: 51.518 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016024.D

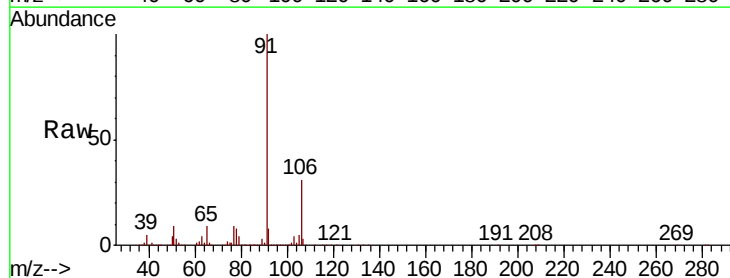
Acq: 01 May 2020 20:03

Tgt Ion: 91 Resp: 772921

Ion Ratio Lower Upper

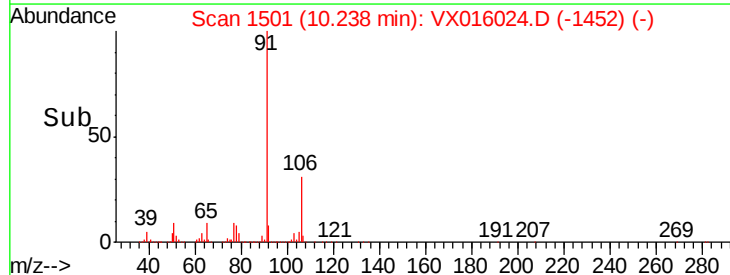
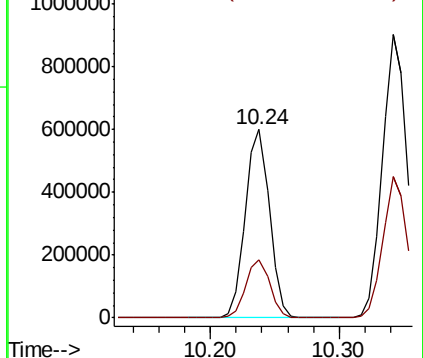
91 100

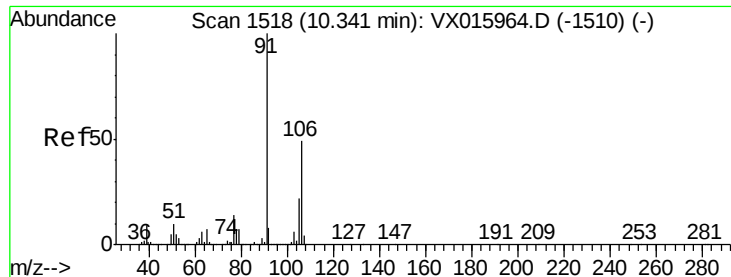
106 31.0 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 102.664 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

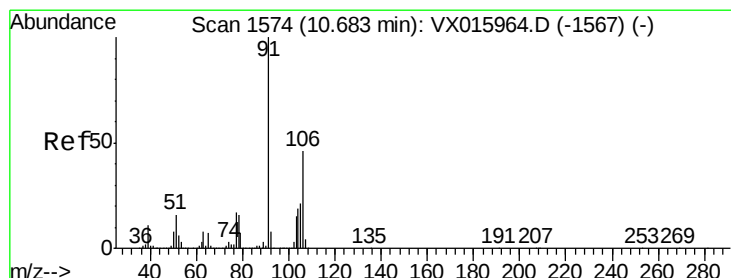
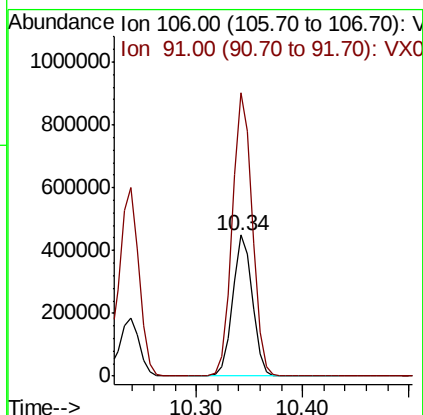
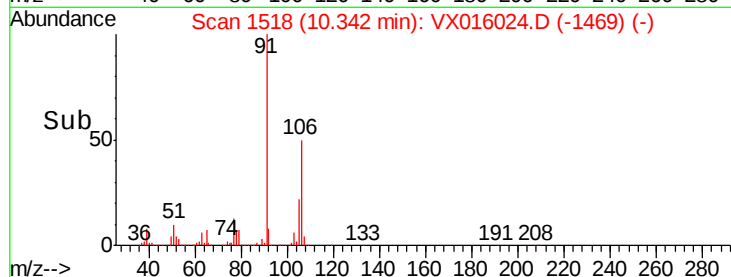
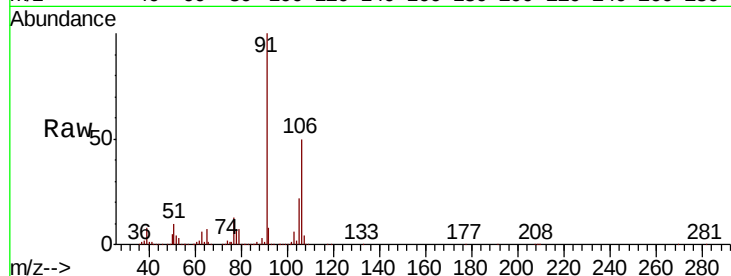
SA-PZ191I-20200429MSD

Tot Ion:106 Resp: 584465

Ion Ratio Lower Upper

106 100

91 203.3 161.6 242.4



#69

o-Xylene

Concen: 52.635 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX016024.D

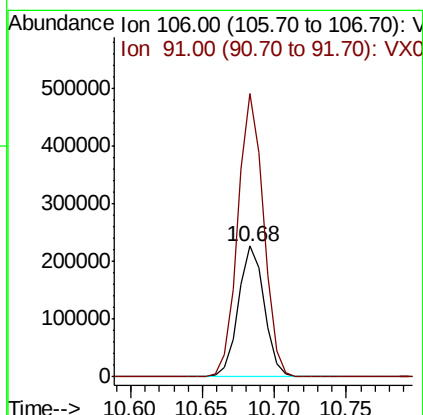
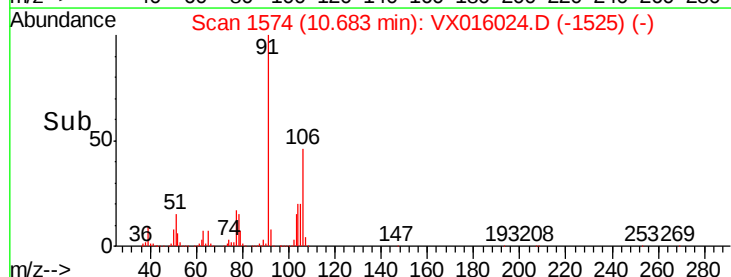
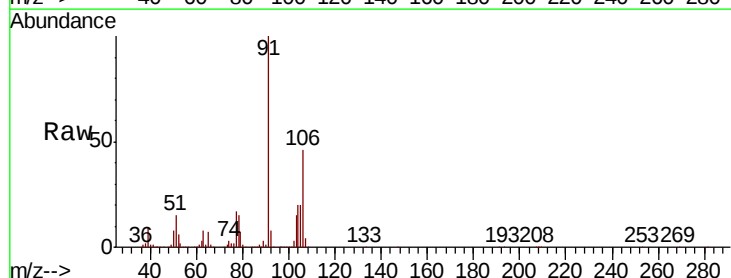
Acq: 01 May 2020 20:03

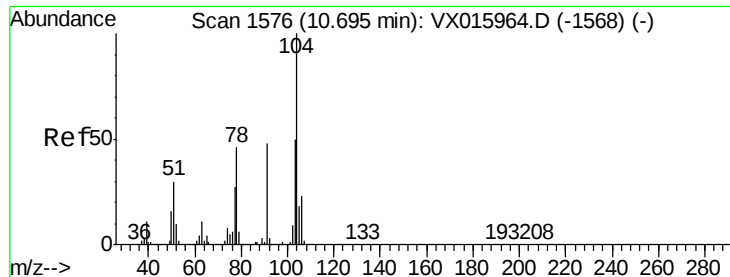
Tgt Ion:106 Resp: 284494

Ion Ratio Lower Upper

106 100

91 214.5 106.1 318.3





#70

Stvrene

Concen: 52.981 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

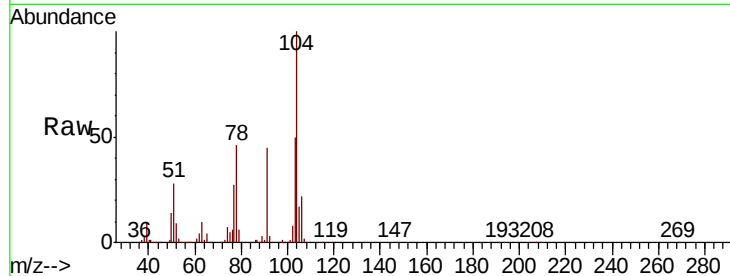
Tot Ion:104 Resp: 491364

Ion Ratio Lower Upper

104 100

78 50.6 41.0 61.4

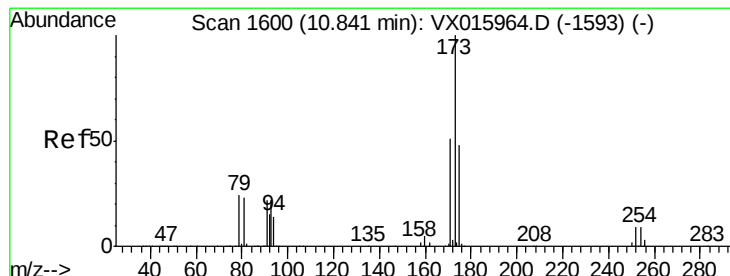
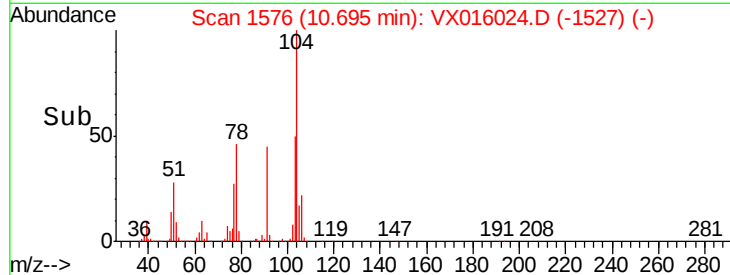
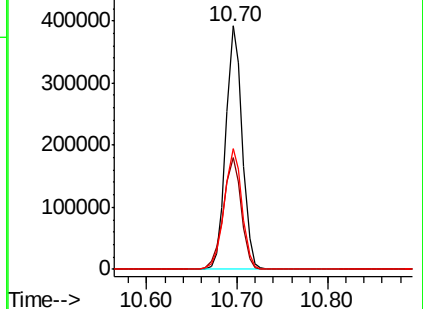
103 53.7 43.4 65.2



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: 47.875 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

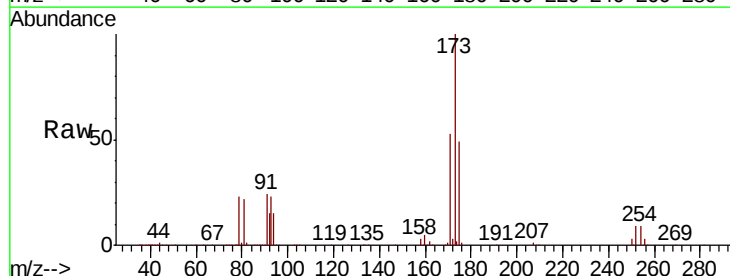
Tgt Ion:173 Resp: 138448

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.4

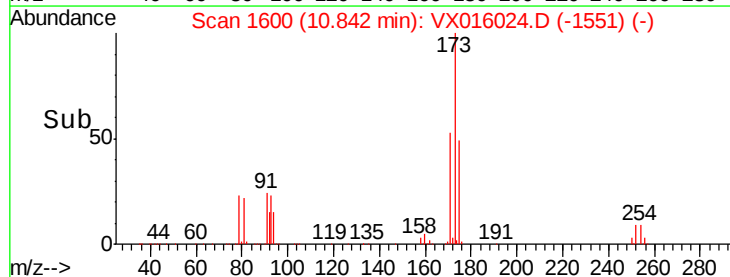
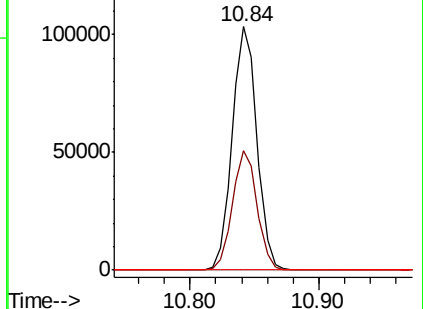
254 0.2 0.1 0.1#

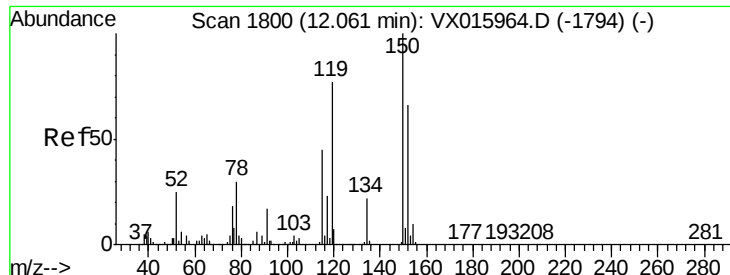


Abundance Ion 172.70 (172.40 to 173.40): V

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: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

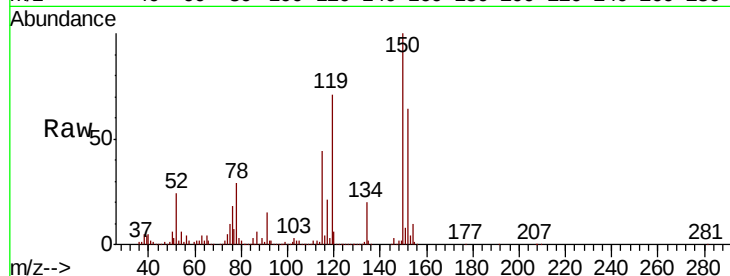
Tot Ion:152 Resp: 211881

Ion Ratio Lower Upper

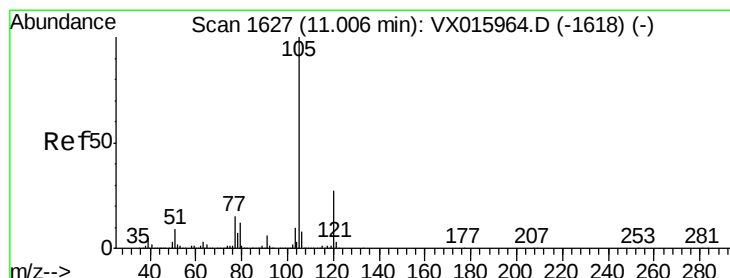
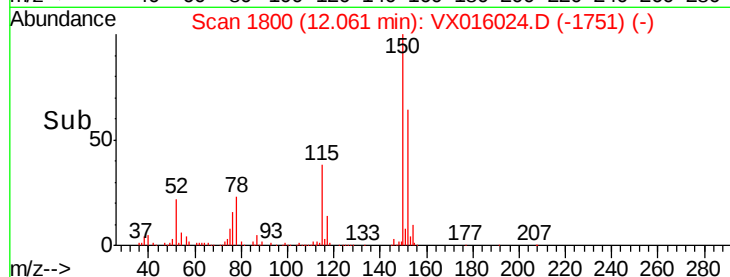
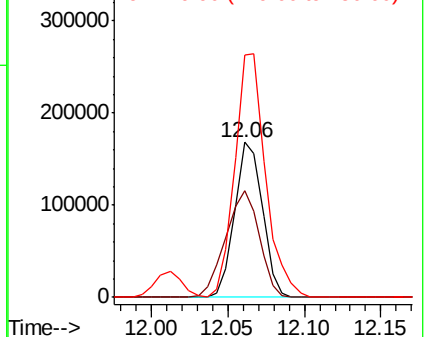
152 100

115 83.5 40.9 122.7

150 174.3 0.0 342.4



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: 52.942 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX016024.D

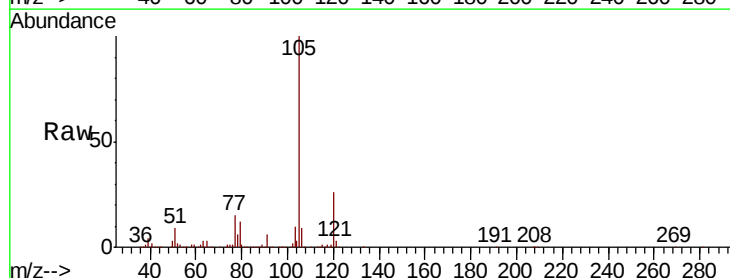
Acq: 01 May 2020 20:03

Tgt Ion:105 Resp: 763093

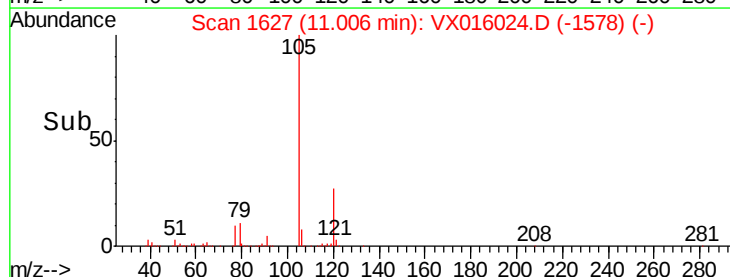
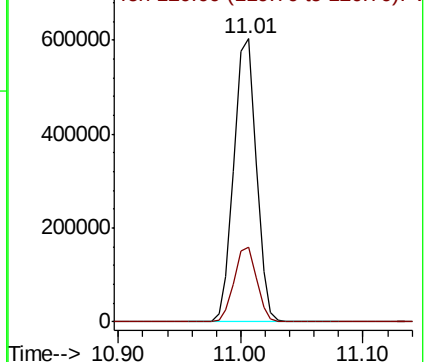
Ion Ratio Lower Upper

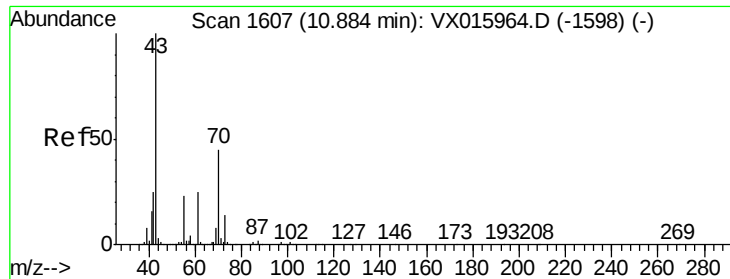
105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.141 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion: 43 Resp: 334664

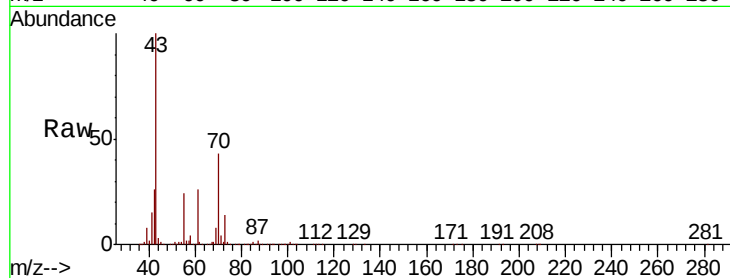
Ion Ratio Lower Upper

43 100

70 45.0 34.5 51.7

55 24.6 18.6 28.0

61 25.6 19.8 29.6



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

400000

300000

200000

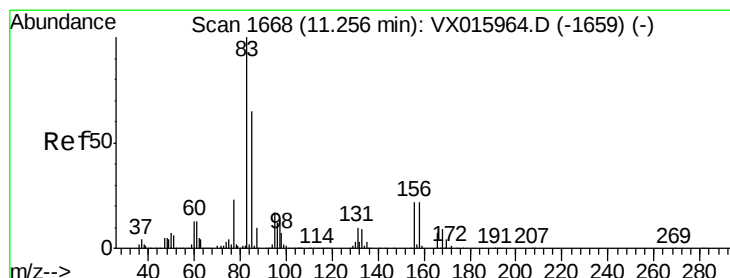
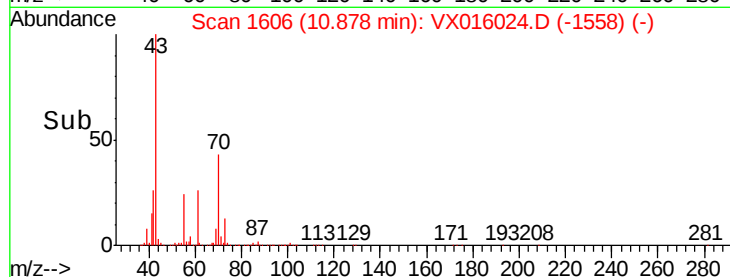
100000

0

10.80

10.90

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 50.887 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

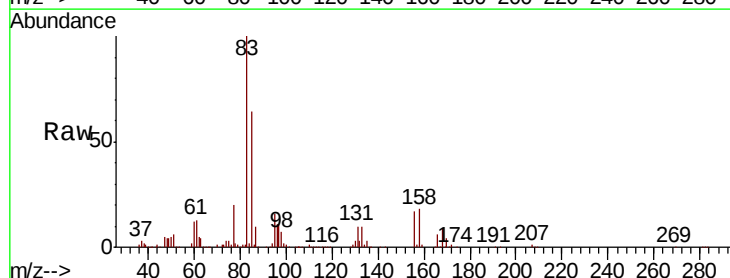
Tgt Ion: 83 Resp: 170498

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.4

85 63.8 32.2 96.6



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

150000

100000

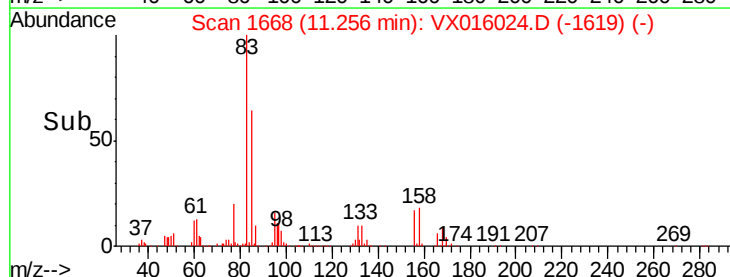
50000

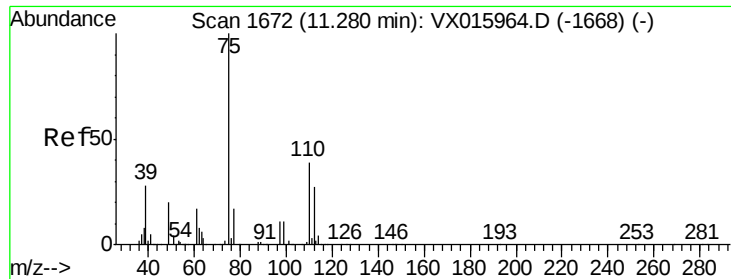
0

11.20

11.30

Time-->

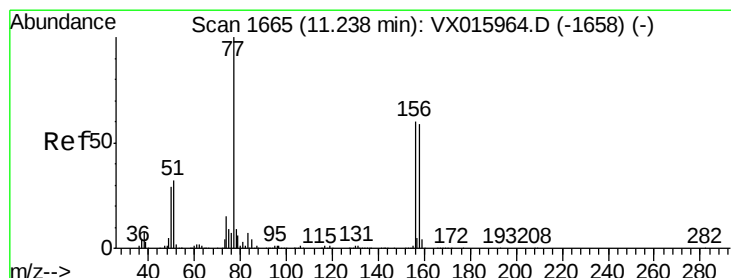
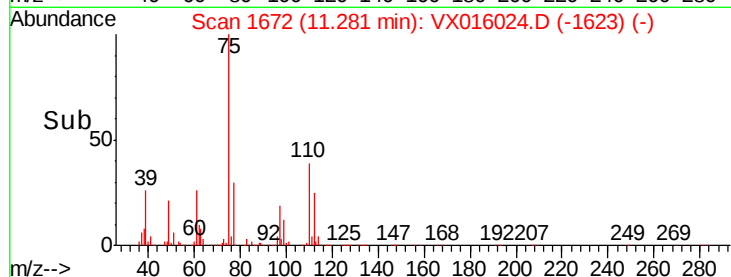
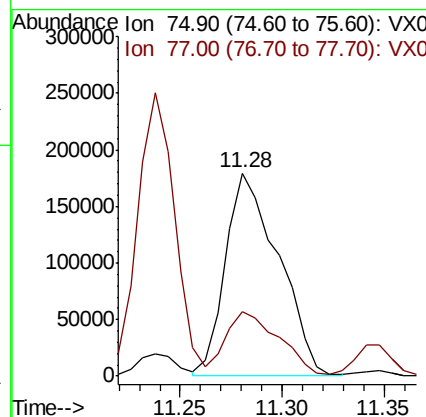
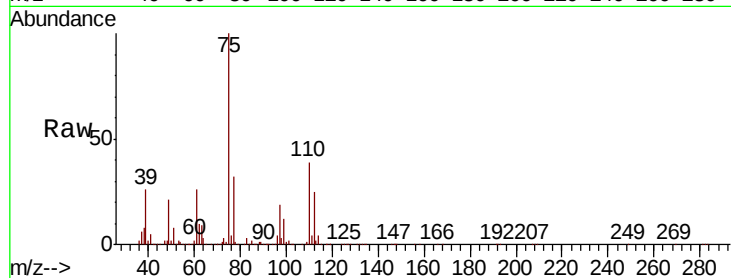




#76
 1,2,3-Trichloropropane
 Concen: 72.962 ug/l
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

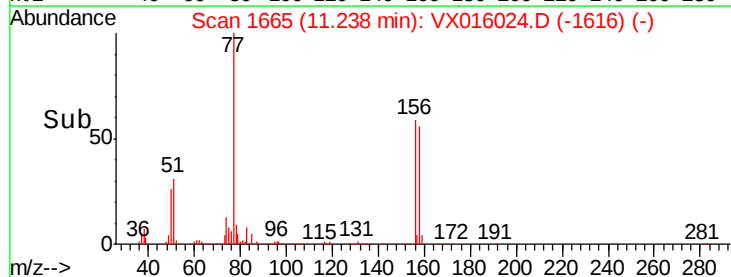
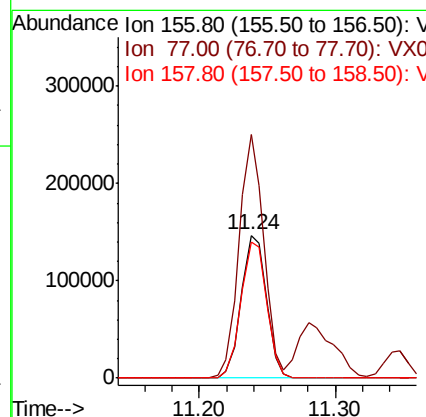
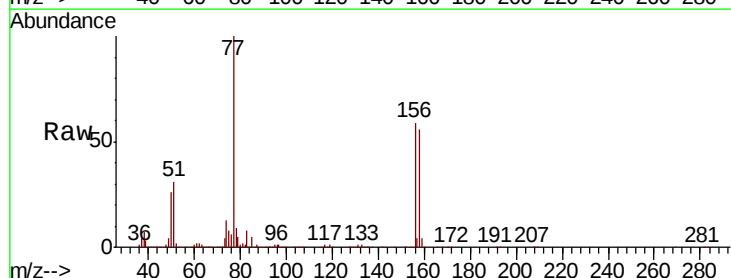
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

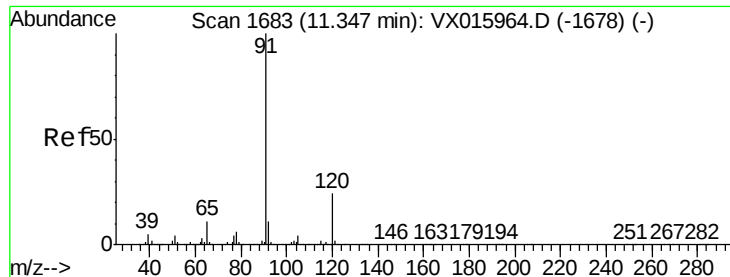
Tot Ion: 75 Resp: 324389
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.6 65.0



#77
 Bromobenzene
 Concen: 51.118 ug/l
 RT: 11.24 min Scan# 1665
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion: 156 Resp: 189661
 Ion Ratio Lower Upper
 156 100
 77 167.0 78.3 234.8
 158 97.4 48.5 145.5





#78

n-propylbenzene

Concen: 52.365 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

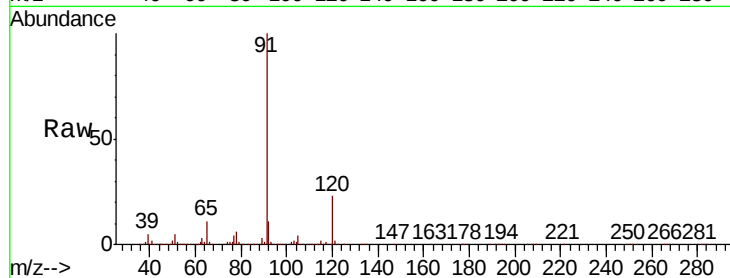
SA-PZ191I-20200429MSD

Tot Ion: 91 Resp: 868269

Ion Ratio Lower Upper

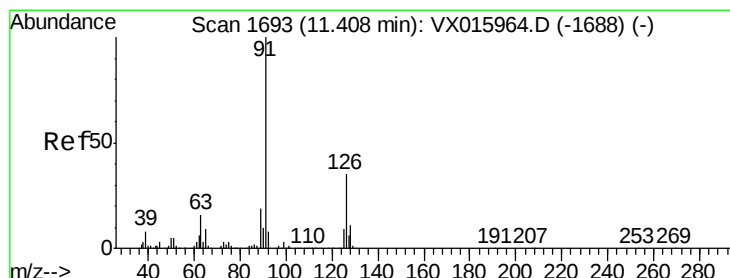
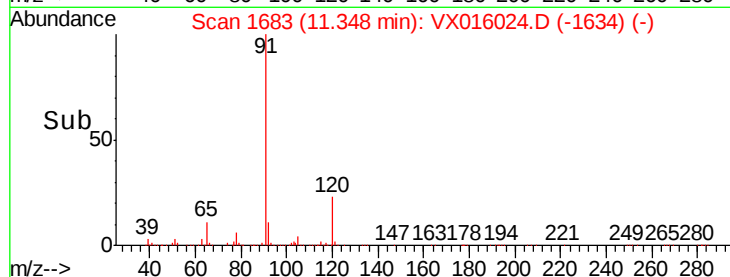
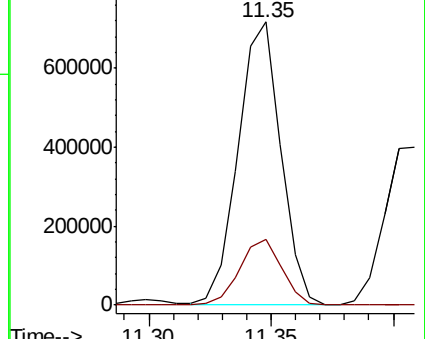
91 100

120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 52.860 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX016024.D

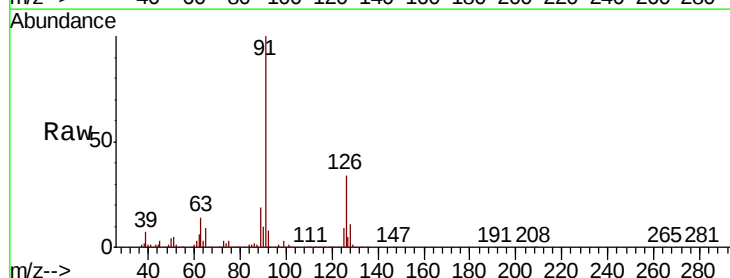
Acq: 01 May 2020 20:03

Tgt Ion: 91 Resp: 522215

Ion Ratio Lower Upper

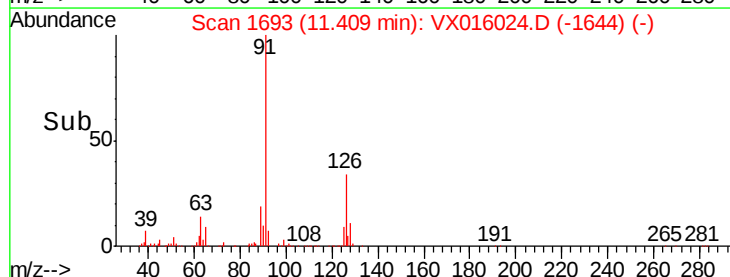
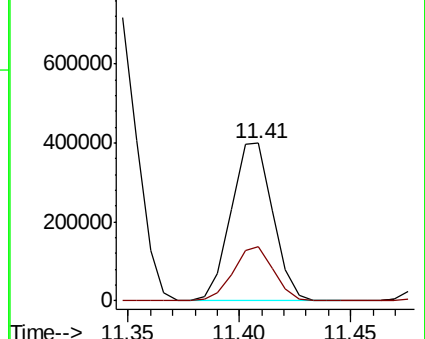
91 100

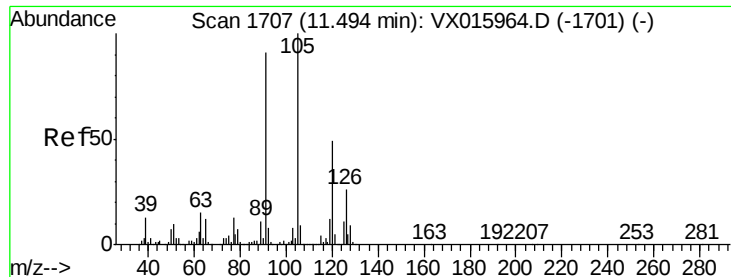
126 33.5 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 53.004 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

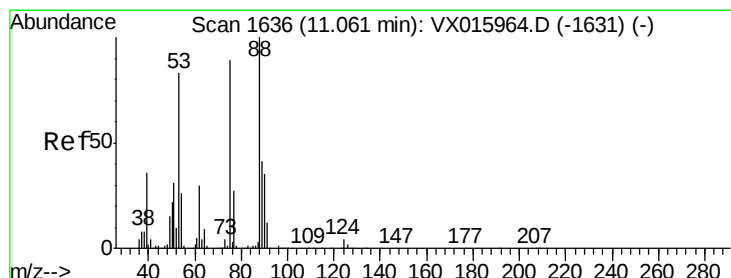
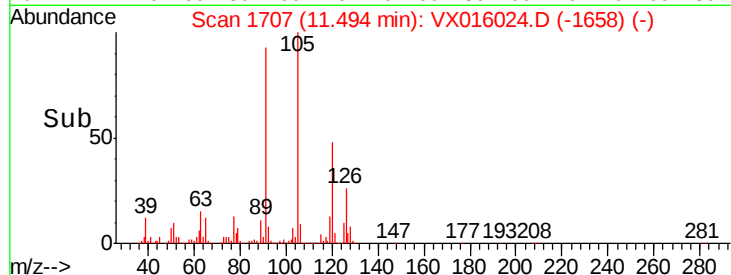
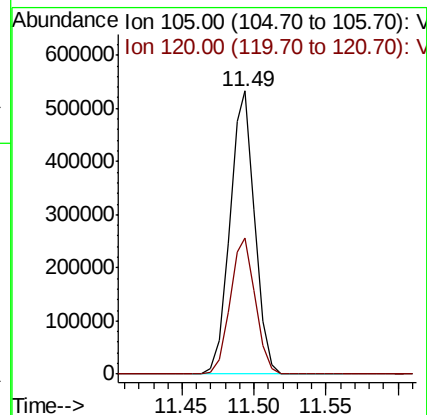
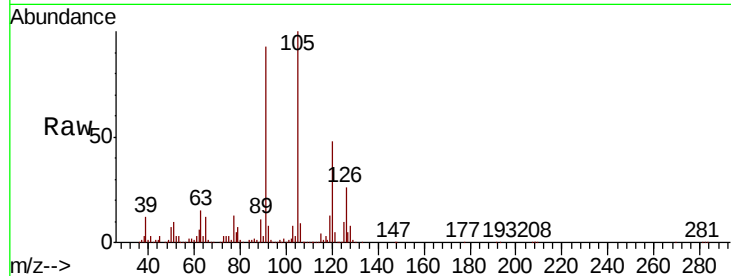
SA-PZ191I-20200429MSD

Tot Ion:105 Resp: 643566

Ion Ratio Lower Upper

105 100

120 48.8 24.6 73.6



#81

trans-1,4-Dichloro-2-butene

Concen: 52.752 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

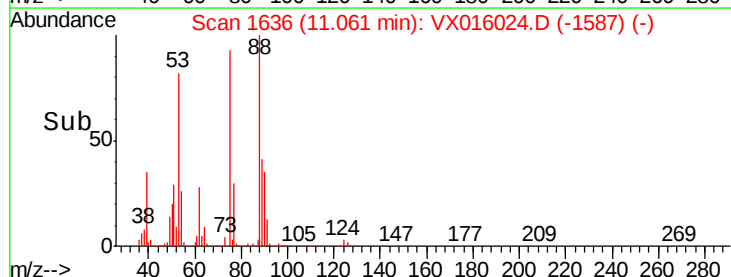
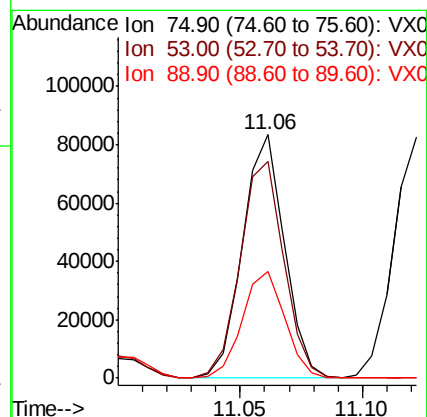
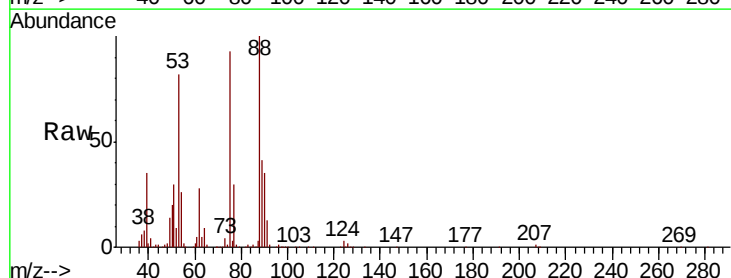
Tgt Ion: 75 Resp: 99247

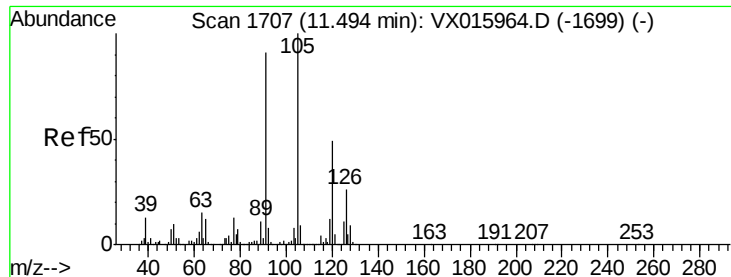
Ion Ratio Lower Upper

75 100

53 92.5 78.3 117.5

89 45.0 37.2 55.8





#82

4-Chlorotoluene

Concen: 52.446 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

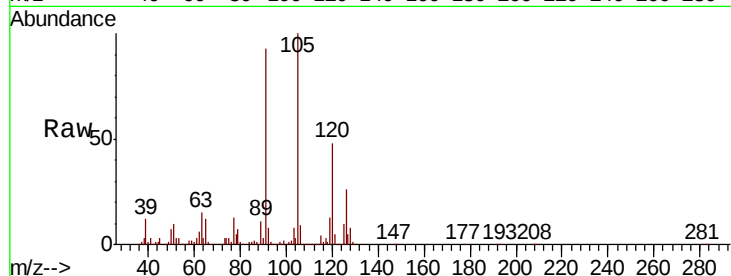
SA-PZ191I-20200429MSD

Tot Ion: 91 Resp: 619688

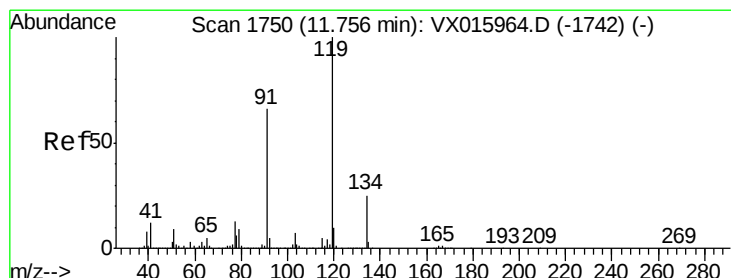
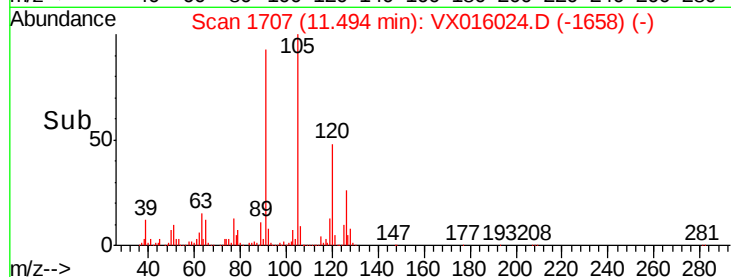
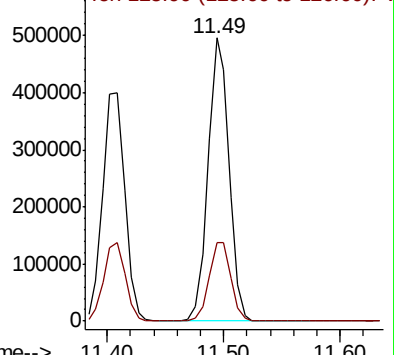
Ion Ratio Lower Upper

91 100

126 29.1 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX016024.D (-1658) (-)



#83

tert-Butylbenzene

Concen: 53.019 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

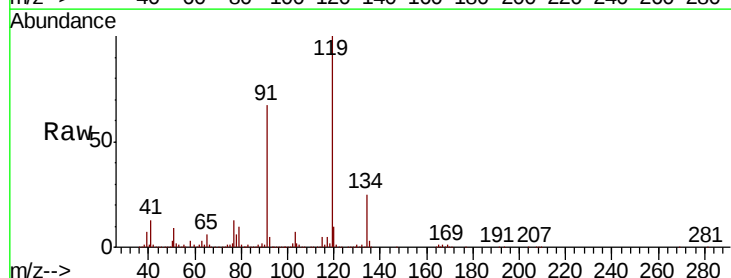
Tgt Ion: 119 Resp: 555063

Ion Ratio Lower Upper

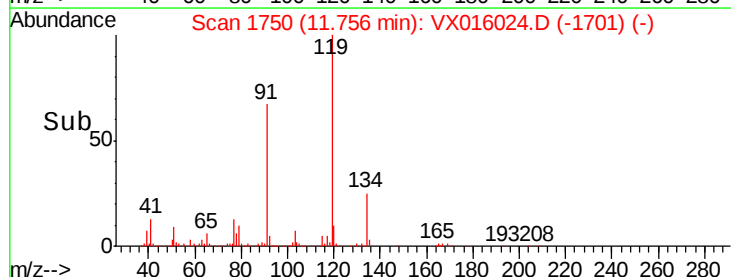
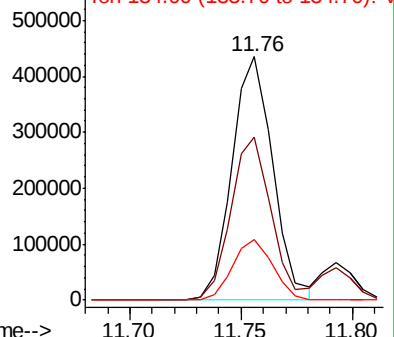
119 100

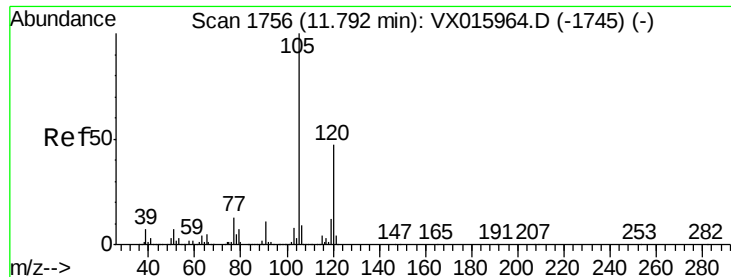
91 66.9 33.5 100.4

134 24.7 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): VX016024.D (-1701) (-)





#84

1,2,4-Trimethylbenzene

Concen: 53.096 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

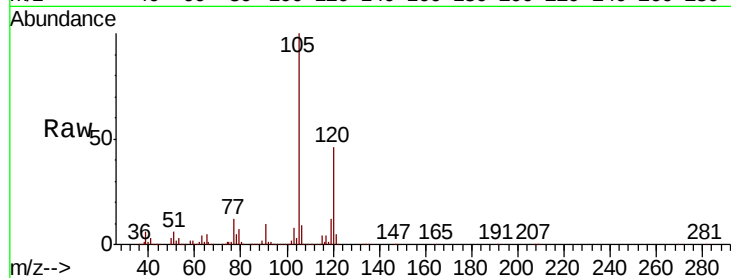
SA-PZ191I-20200429MSD

Tot Ion:105 Resp: 648826

Ion Ratio Lower Upper

105 100

120 45.2 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

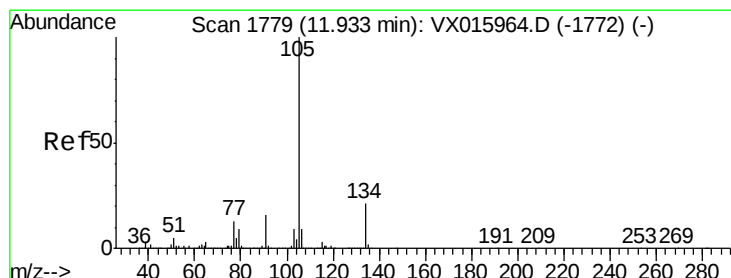
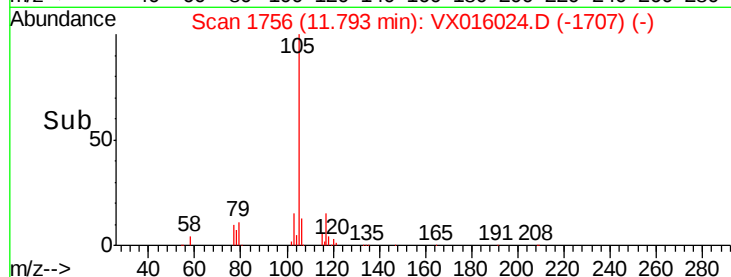
0

11.79

11.80

11.90

Time-->



#85

sec-Butylbenzene

Concen: 52.733 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016024.D

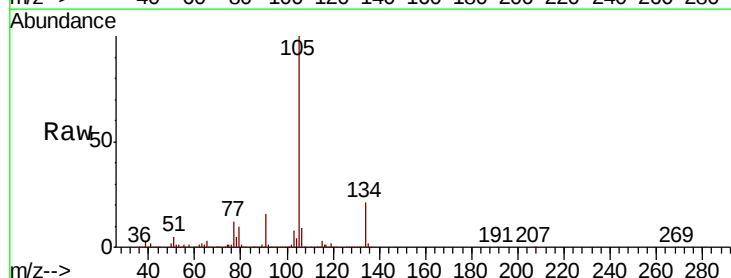
Acq: 01 May 2020 20:03

Tgt Ion:105 Resp: 743794

Ion Ratio Lower Upper

105 100

134 20.2 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

400000

200000

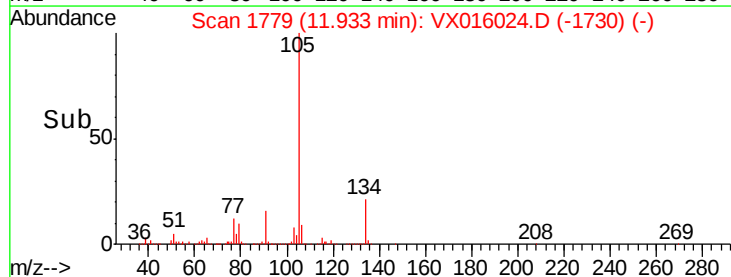
0

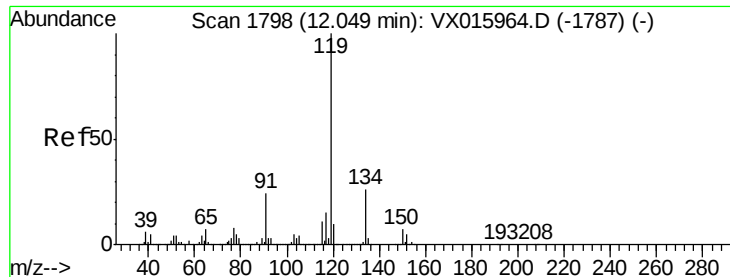
11.93

11.95

12.00

Time-->

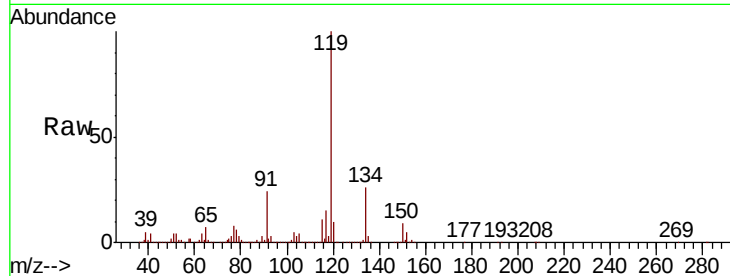




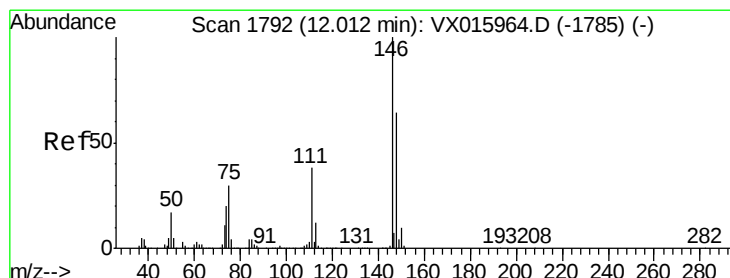
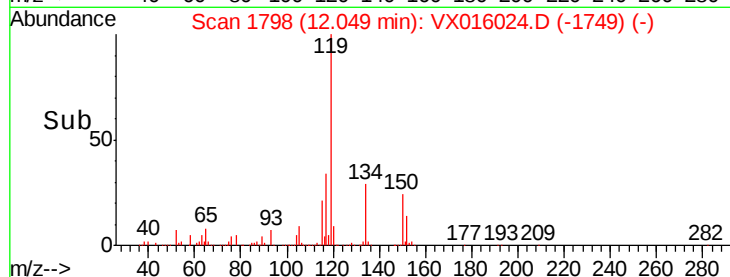
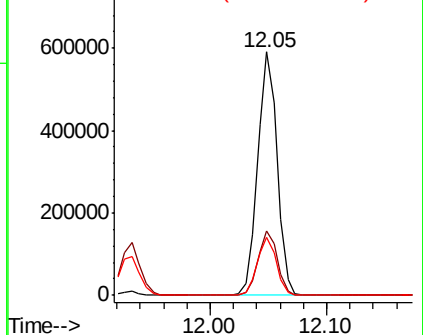
#86
p-Isopropyltoluene
Concen: 52.177 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.0	39.0
91	23.5	11.9	35.9

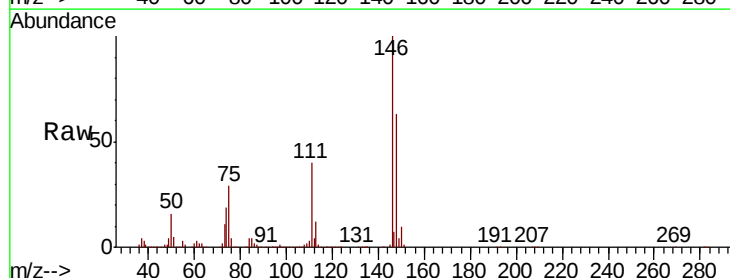


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

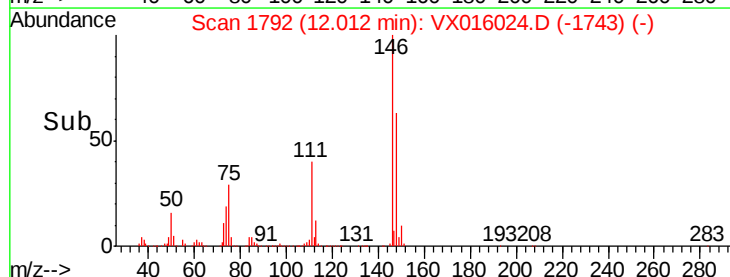
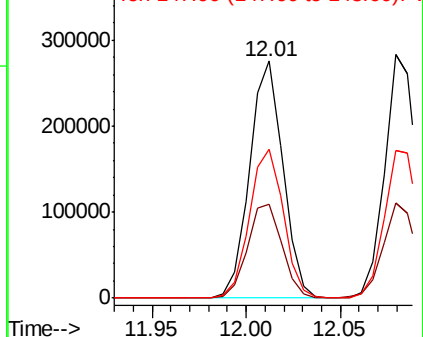


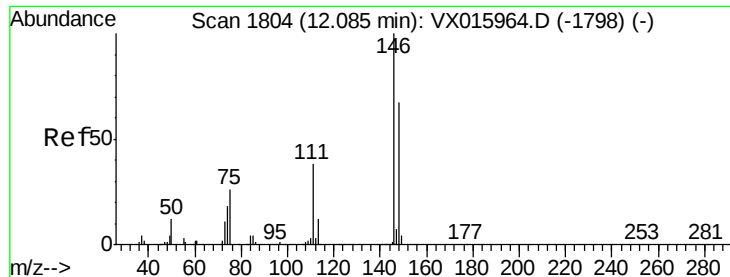
#87
1,3-Dichlorobenzene
Concen: 49.993 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.6	58.8
148	64.0	32.0	96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 50.211 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

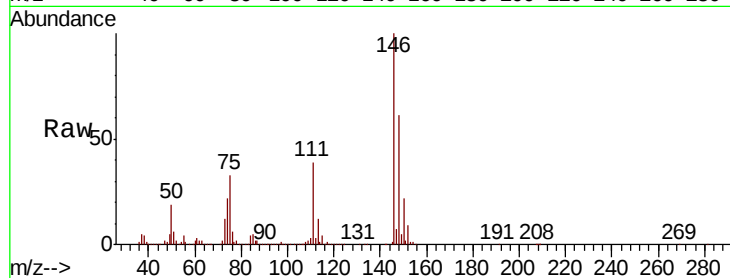
Tot Ion:146 Resp: 343347

Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.0

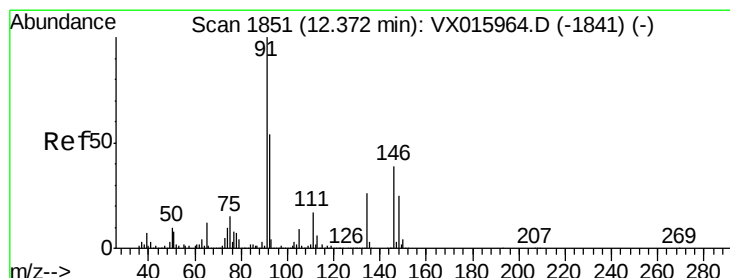
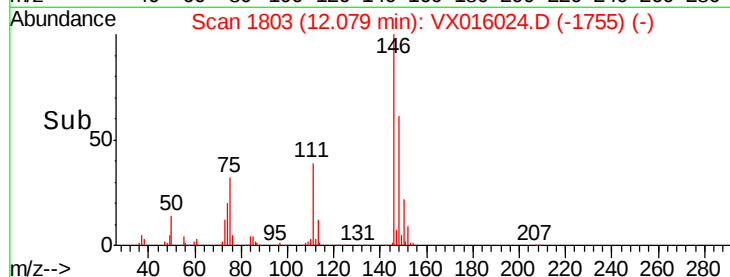
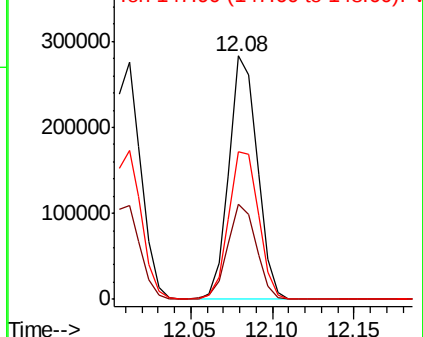
148 64.0 32.8 98.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 50.793 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

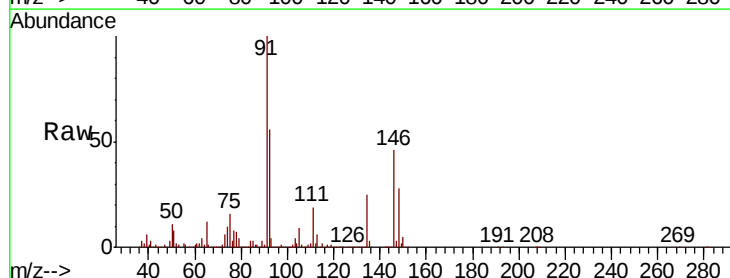
Tgt Ion: 91 Resp: 606351

Ion Ratio Lower Upper

91 100

92 54.9 27.1 81.3

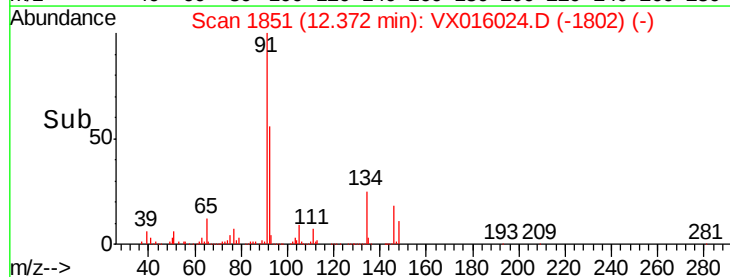
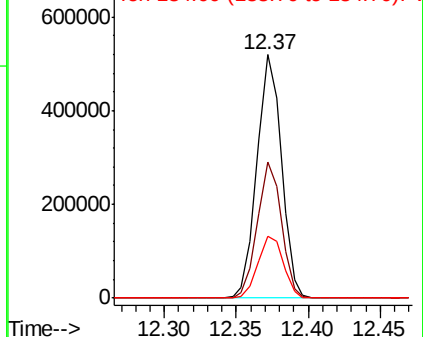
134 26.4 13.3 39.8

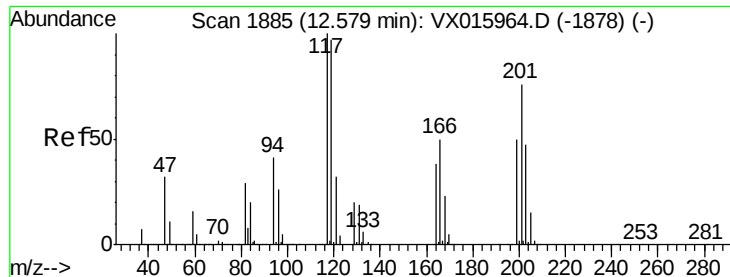


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 53.128 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

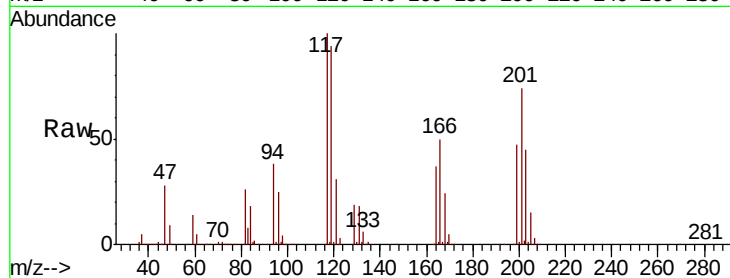
SA-PZ191I-20200429MSD

Tot Ion:117 Resp: 124021

Ion Ratio Lower Upper

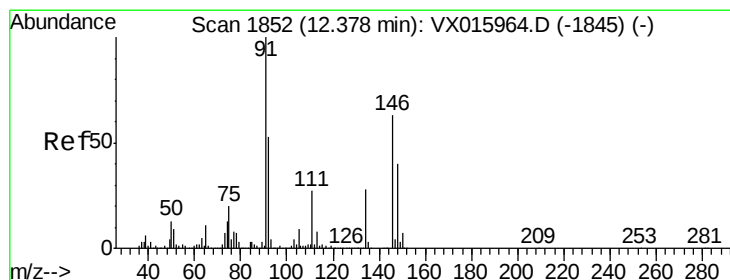
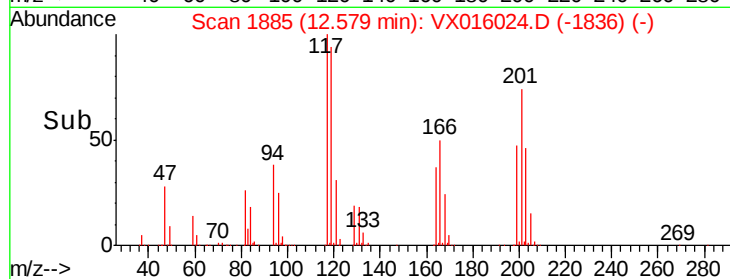
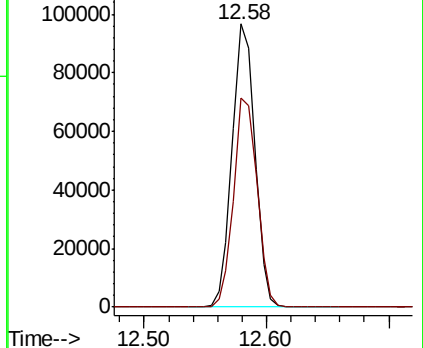
117 100

201 76.1 40.3 120.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 50.863 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

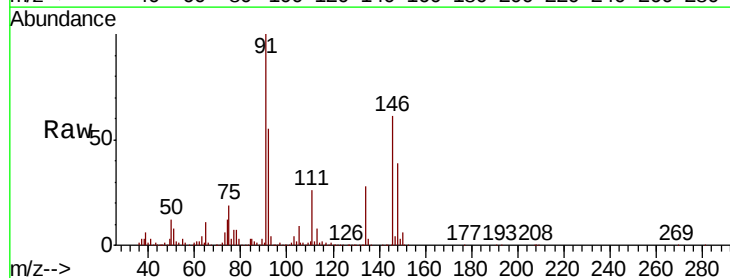
Tgt Ion:146 Resp: 329077

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.3

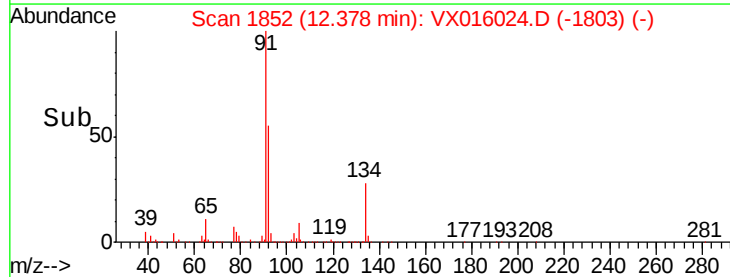
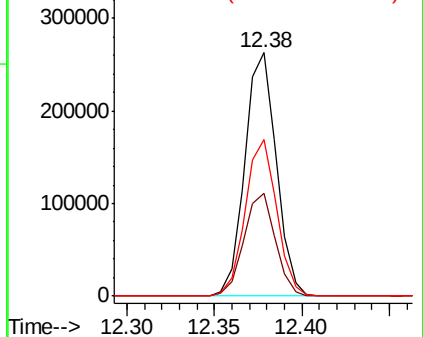
148 64.1 32.3 96.9

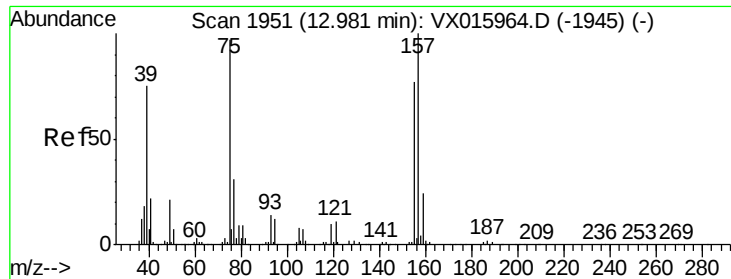


Abundance Ion 145.90 (145.60 to 146.60): V

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: 52.751 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

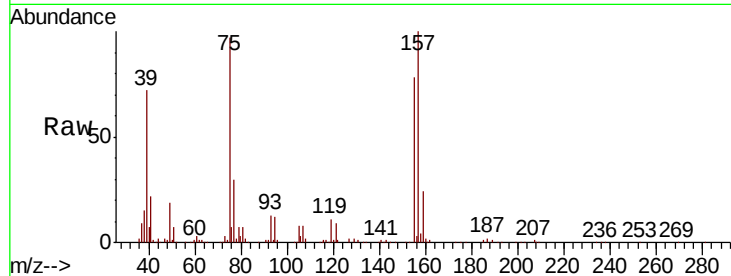
MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion: 75 Resp: 62774

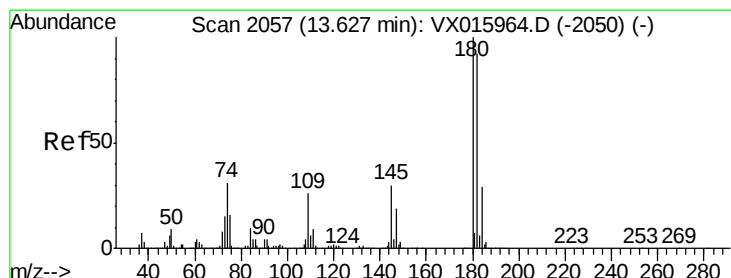
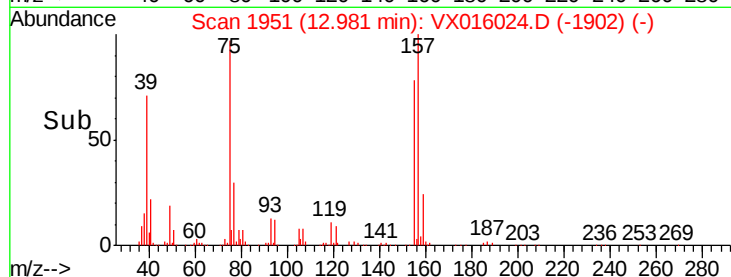
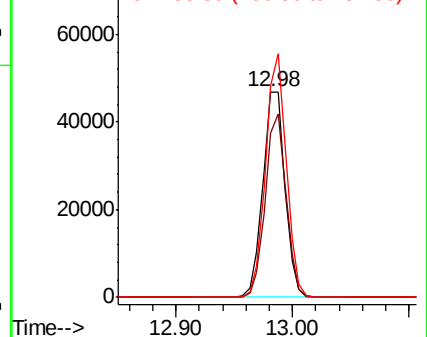
Ion	Ratio	Lower	Upper
75	100		
155	83.7	42.5	127.6
157	110.5	56.0	168.2



Abundance Ion 74.90 (74.60 to 75.60): VX015964.D (-1945) (-)

Ion 154.80 (154.50 to 155.50): VX015964.D (-1945) (-)

Ion 156.80 (156.50 to 157.50): VX015964.D (-1945) (-)



#93

1,2,4-Trichlorobenzene

Concen: 48.620 ug/l

RT: 13.63 min Scan# 2057

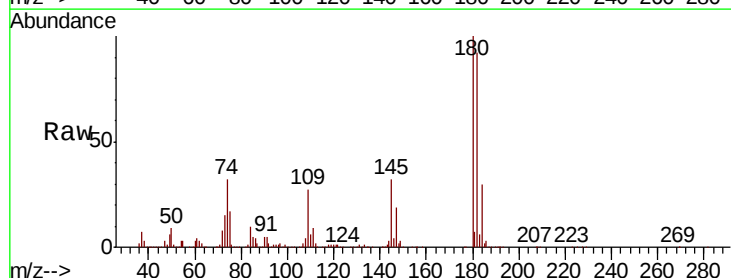
Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Tgt Ion: 180 Resp: 236101

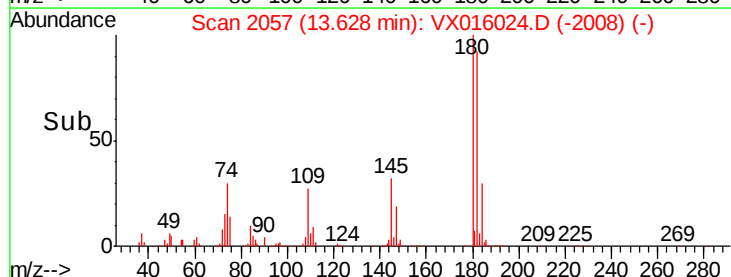
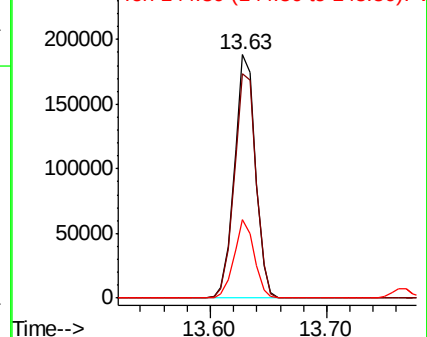
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.9	140.6
145	30.9	14.7	44.1

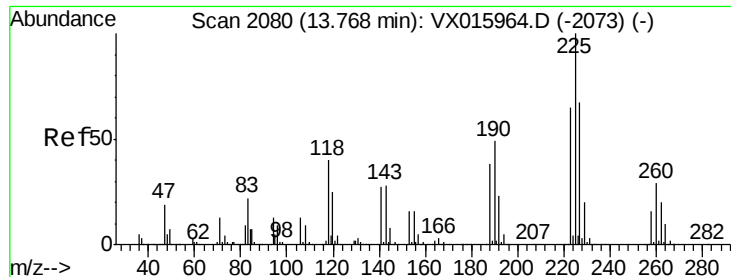


Abundance Ion 179.80 (179.50 to 180.50): VX015964.D (-2050) (-)

Ion 181.80 (181.50 to 182.50): VX015964.D (-2050) (-)

Ion 144.80 (144.50 to 145.50): VX015964.D (-2050) (-)





#94

Hexachlorobutadiene

Concen: 47.376 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

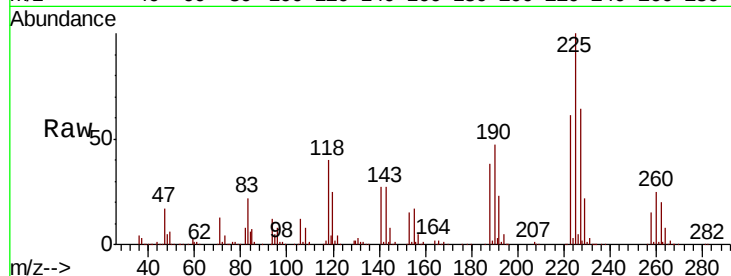
Tot Ion:225 Resp: 102789

Ion Ratio Lower Upper

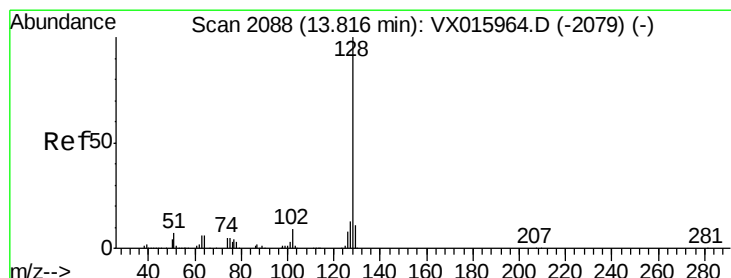
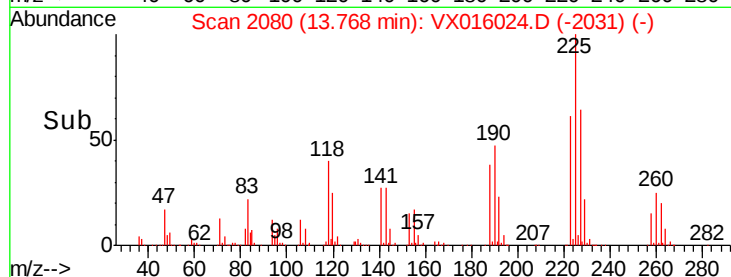
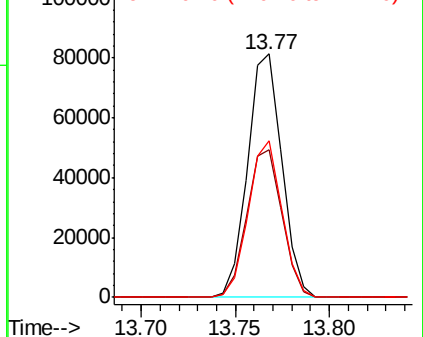
225 100

223 62.2 32.0 96.0

227 62.9 33.0 99.0



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: 52.948 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

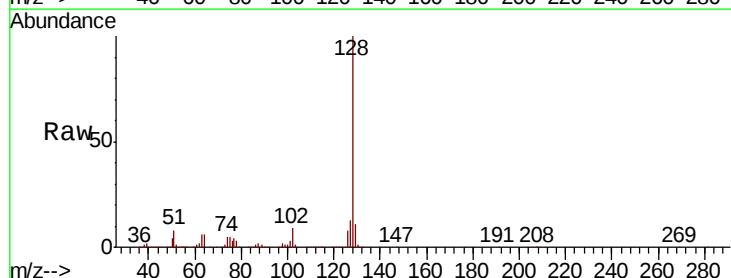
Tgt Ion:128 Resp: 810947

Ion Ratio Lower Upper

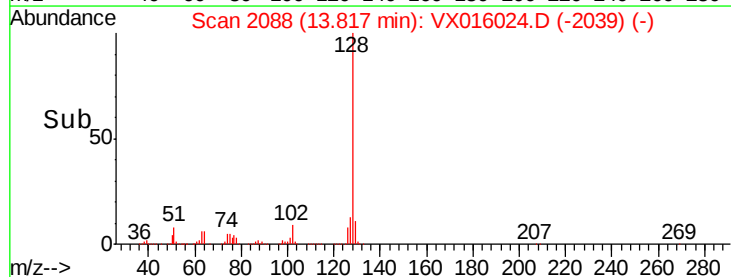
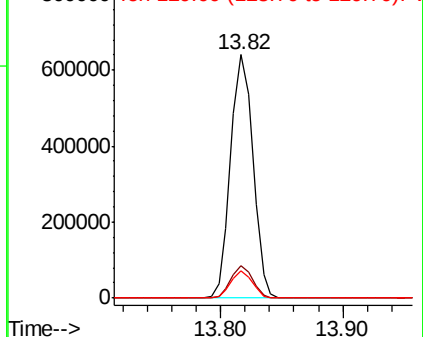
128 100

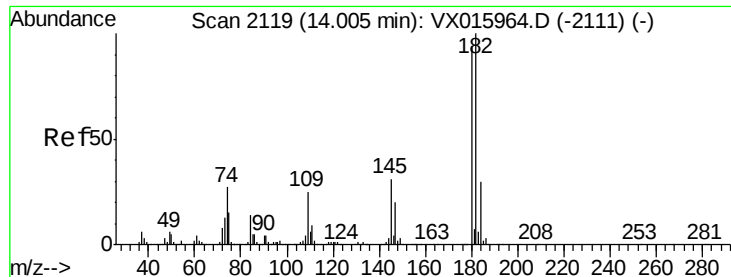
127 13.0 10.4 15.6

129 10.8 8.7 13.1



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





#96

1,2,3-Trichlorobenzene

Concen: 50.703 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

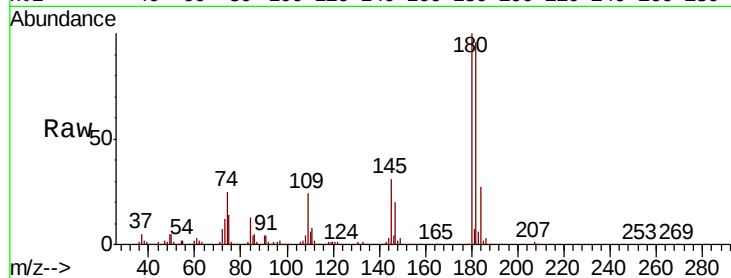
Tot Ion:180 Resp: 237082

Ion Ratio Lower Upper

180 100

182 94.2 48.7 146.1

145 32.4 16.1 48.3



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

