

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016899.D
 Acq On : 19 Jun 2020 23:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 22 01:46:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	269048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	419624	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	400873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211287	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	153819	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
35) Dibromofluoromethane	5.46	113	130018	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	8.70	98	522857	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	11.12	95	240895	58.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	178296	54.000	ug/l	98
3) Chloromethane	1.31	50	161462	48.227	ug/l	99
4) Vinyl Chloride	1.39	62	196055	51.958	ug/l	99
5) Bromomethane	1.62	94	112938	49.708	ug/l	99
6) Chloroethane	1.71	64	121824	52.421	ug/l	99
7) Trichlorofluoromethane	1.92	101	272413	51.606	ug/l	99
8) Diethyl Ether	2.17	74	106606	51.943	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	130404	46.379	ug/l	98
10) Methyl Iodide	2.49	142	118069	44.109	ug/l	98
11) Tert butyl alcohol	3.01	59	146617	268.032	ug/l	99
12) 1,1-Dichloroethene	2.36	96	136892	47.612	ug/l	98
13) Acrolein	2.27	56	143800	433.588	ug/l	99
14) Allyl chloride	2.71	41	199755	52.524	ug/l	98
15) Acrylonitrile	3.12	53	347259	277.025	ug/l	100
16) Acetone	2.42	43	269114	229.103	ug/l	99
17) Carbon Disulfide	2.55	76	354629	47.727	ug/l	99
18) Methyl Acetate	2.75	43	170368	57.037	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	440139	53.717	ug/l	99
20) Methylene Chloride	2.84	84	141390	50.194	ug/l	100
21) trans-1,2-Dichloroethene	3.14	96	137593	50.697	ug/l	99
22) Diisopropyl ether	3.82	45	476040	65.332	ug/l	96
23) Vinyl Acetate	3.78	43	1985497	330.455	ug/l	98
24) 1,1-Dichloroethane	3.67	63	242222	53.218	ug/l	99
25) 2-Butanone	4.63	43	538696	333.225	ug/l	96
26) 2,2-Dichloropropane	4.56	77	215489	50.534	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	185379	60.772	ug/l	100
28) Bromochloromethane	4.98	49	111522	59.035	ug/l	92
29) Tetrahydrofuran	5.09	42	340736	334.666	ug/l	96
30) Chloroform	5.18	83	259711	54.048	ug/l	97
31) Cyclohexane	5.55	56	213084	53.251	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	234779	51.623	ug/l	100
36) 1,1-Dichloropropene	5.77	75	188315	48.604	ug/l	98
37) Ethyl Acetate	4.79	43	217036	63.399	ug/l	99
38) Carbon Tetrachloride	5.76	117	205935	47.370	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	253982	56.377	ug/l	98
40) Benzene	6.12	78	565426	48.635	ug/l	100
41) Methacrylonitrile	5.00	41	117449	63.196	ug/l	97
42) 1,2-Dichloroethane	6.16	62	192838	46.613	ug/l	99
43) Isopropyl Acetate	6.41	43	301984	50.515	ug/l	100
44) Trichloroethene	7.19	130	191347	53.742	ug/l	97
45) 1,2-Dichloropropane	7.49	63	173121	59.236	ug/l	96
46) Dibromomethane	7.64	93	113825	57.430	ug/l	98
47) Bromodichloromethane	7.88	83	245862	58.326	ug/l	100
48) Methyl methacrylate	7.74	41	194363	69.044	ug/l	98
49) 1,4-Dioxane	7.71	88	79888	1267.759	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	969026	269.501	ug/l	100
52) Toluene	8.76	92	393084	50.968	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	229672	49.561	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	282973	57.078	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	148484	50.992	ug/l	96
56) Ethyl methacrylate	9.16	69	228931	54.308	ug/l	98
57) 1,3-Dichloropropane	9.35	76	246475	49.930	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	645728	329.207	ug/l	97
59) 2-Hexanone	9.47	43	692773	266.059	ug/l	99
60) Dibromochloromethane	9.57	129	176289	50.466	ug/l	100
61) 1,2-Dibromoethane	9.65	107	157374	49.801	ug/l	99
64) Tetrachloroethene	9.32	164	168462	45.381	ug/l	99
65) Chlorobenzene	10.12	112	410514	50.570	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	159795	50.792	ug/l	99
67) Ethyl Benzene	10.24	91	711279	51.932	ug/l	99
68) m/p-Xylenes	10.34	106	547109	102.653	ug/l	100
69) o-Xylene	10.68	106	262979	53.363	ug/l	98
70) Styrene	10.70	104	482955	57.677	ug/l	99
71) Bromoform	10.84	173	160303	60.605	ug/l	99
73) Isopropylbenzene	11.00	105	818492	60.166	ug/l	100
74) N-amyl acetate	10.88	43	347319	73.115	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	234180	60.964	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	289944	75.138	ug/l	86
77) Bromobenzene	11.24	156	220390	59.403	ug/l	99
78) n-propylbenzene	11.34	91	843784	55.577	ug/l	100
79) 2-Chlorotoluene	11.40	91	602116	64.820	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	699913	59.631	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	84348	53.528	ug/l	97
82) 4-Chlorotoluene	11.49	91	663725	59.559	ug/l	100
83) tert-Butylbenzene	11.76	119	652408	56.178	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	654240	54.111	ug/l	99
85) sec-Butylbenzene	11.93	105	687618	50.982	ug/l	99
86) p-Isopropyltoluene	12.05	119	624550	50.539	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	336685	49.672	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	330361	48.193	ug/l	100
89) n-Butylbenzene	12.37	91	508705	48.005	ug/l	99
90) Hexachloroethane	12.58	117	110895	49.817	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	317765	48.562	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	48535	53.288	ug/l	97

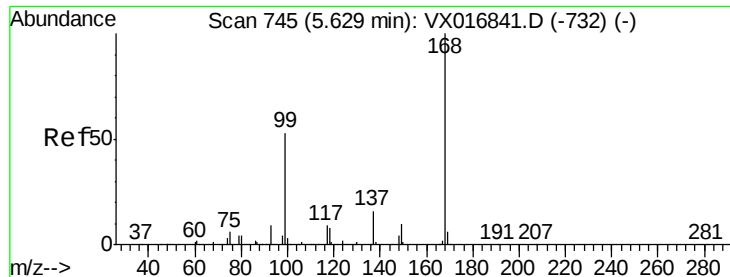
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	224011	50.981	ug/l	99
94) Hexachlorobutadiene	13.77	225	81091	40.898	ug/l	97
95) Naphthalene	13.82	128	727980	56.432	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	221779	50.612	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

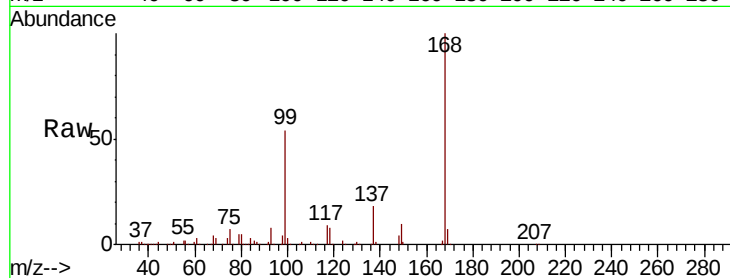
VSTDCCC050

Tot Ion:168 Resp: 269048

Ion Ratio Lower Upper

168 100

99 54.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

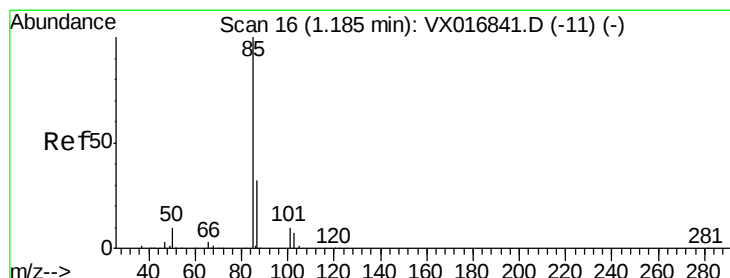
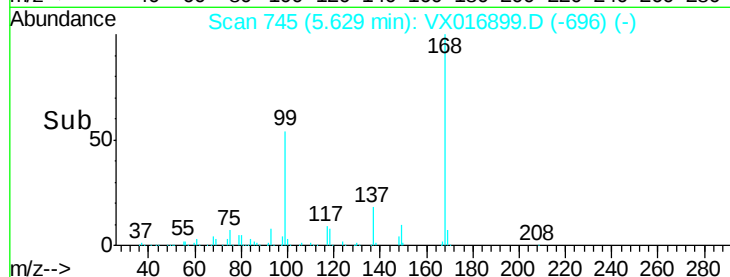
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.000 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016899.D

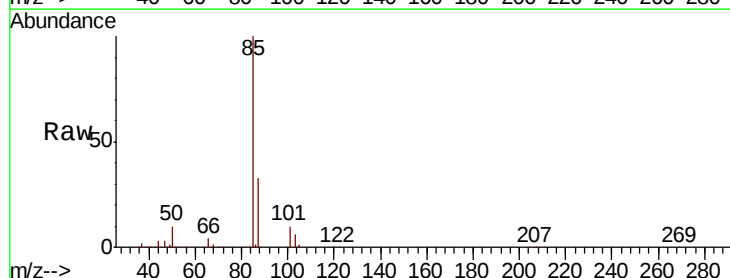
Acq: 19 Jun 2020 23:26

Tgt Ion: 85 Resp: 178296

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

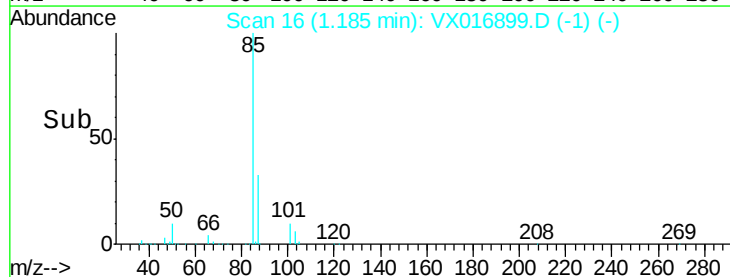
150000

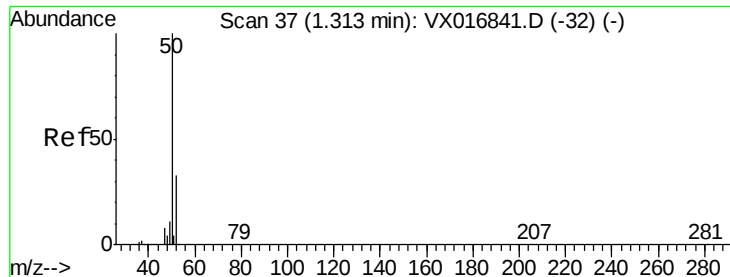
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.227 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

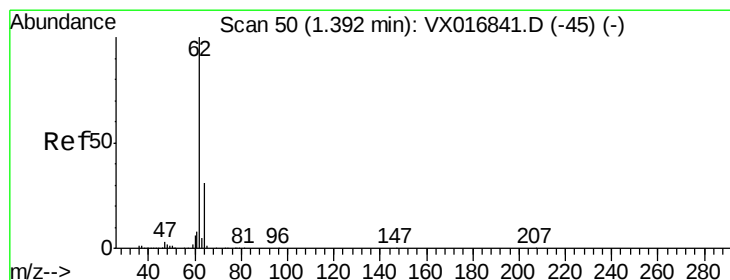
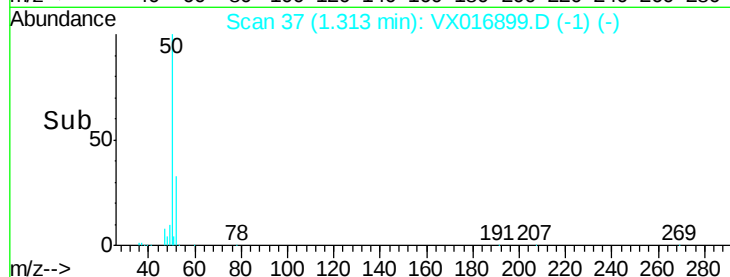
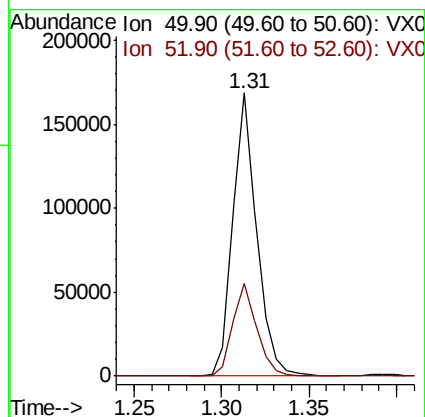
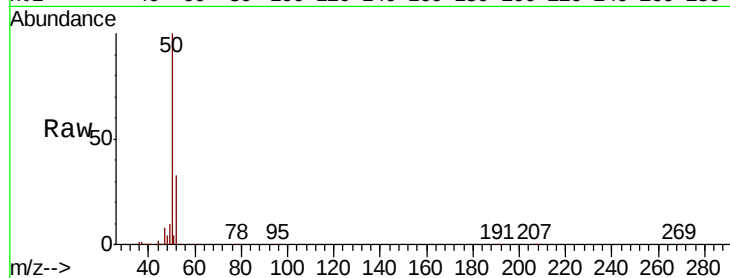
VSTDCCC050

Tot Ion: 50 Resp: 161462

Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1



#4

Vinyl Chloride

Concen: 51.958 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016899.D

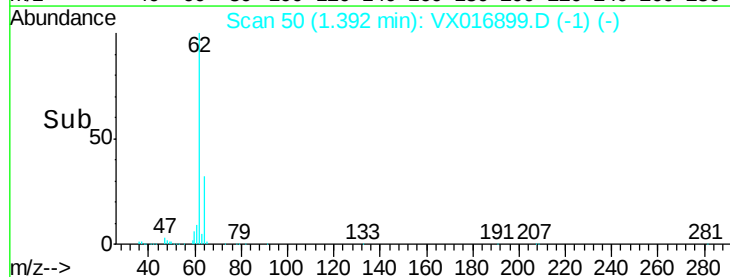
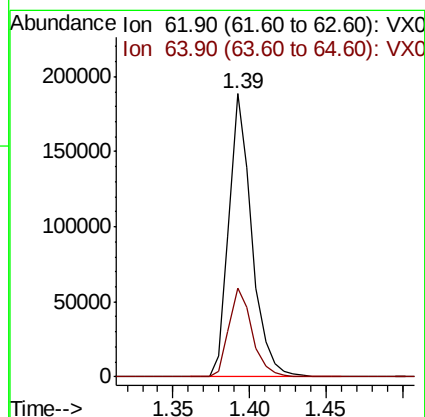
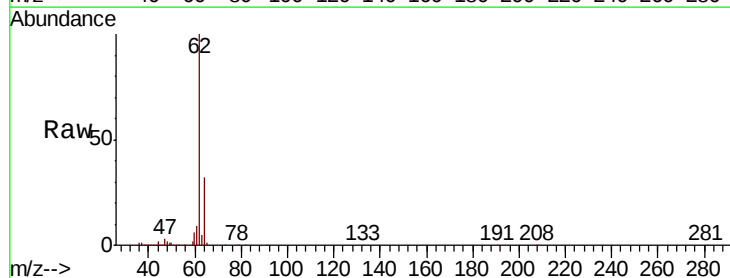
Acq: 19 Jun 2020 23:26

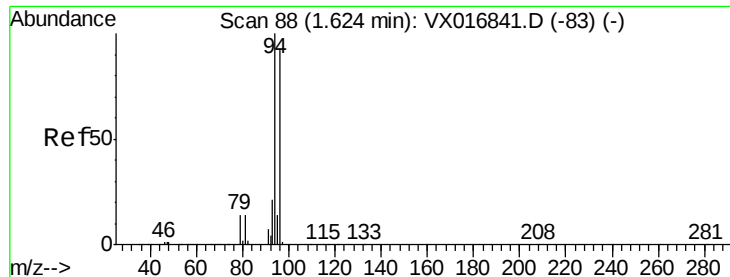
Tgt Ion: 62 Resp: 196055

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4





#5

Bromomethane

Concen: 49.708 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

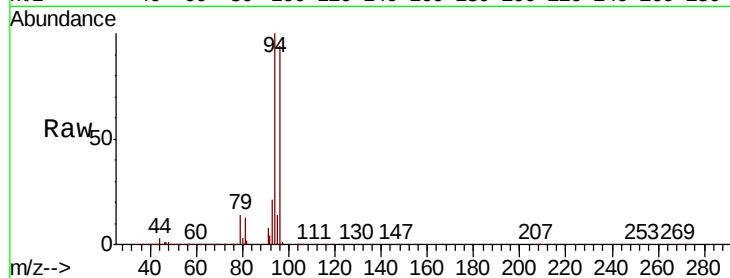
VSTDCCC050

Tot Ion: 94 Resp: 112938

Ion Ratio Lower Upper

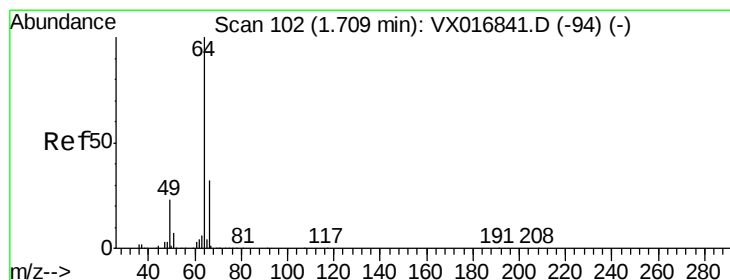
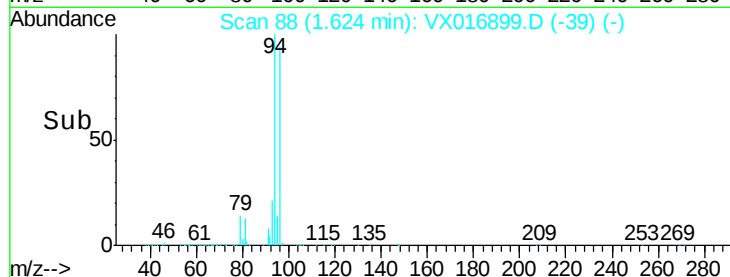
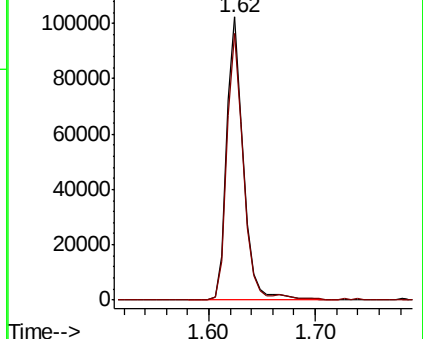
94 100

96 94.0 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.421 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX016899.D

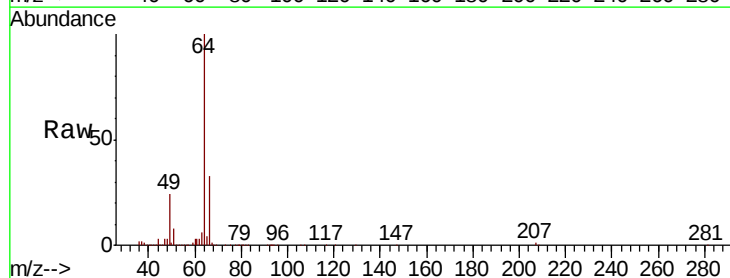
Acq: 19 Jun 2020 23:26

Tgt Ion: 64 Resp: 121824

Ion Ratio Lower Upper

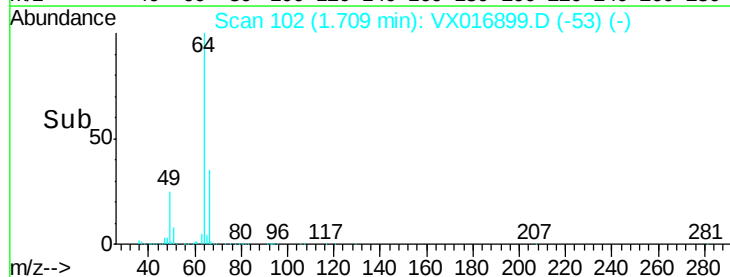
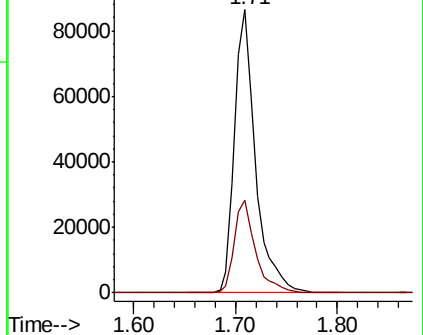
64 100

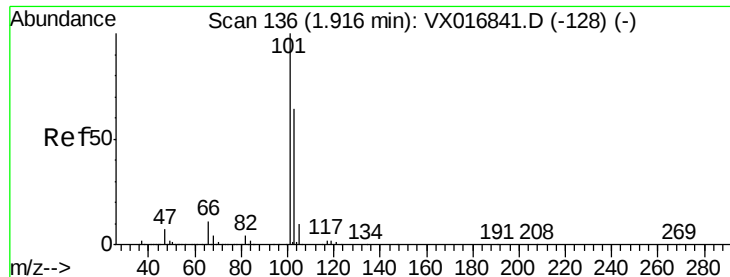
66 32.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



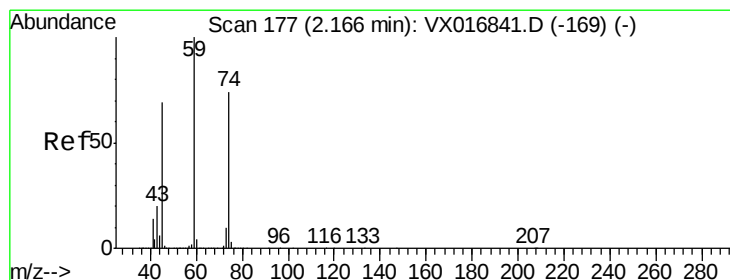
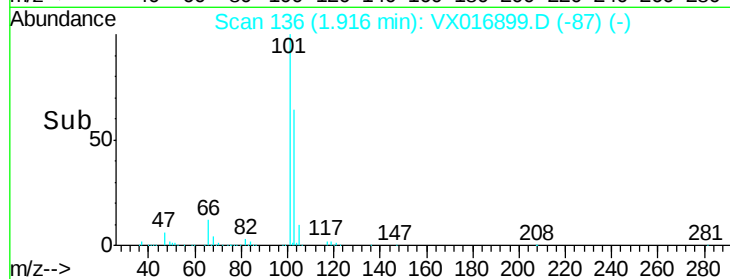
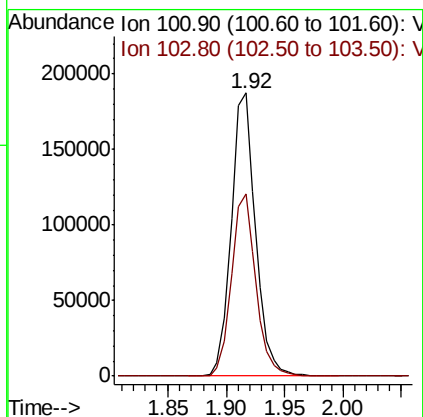
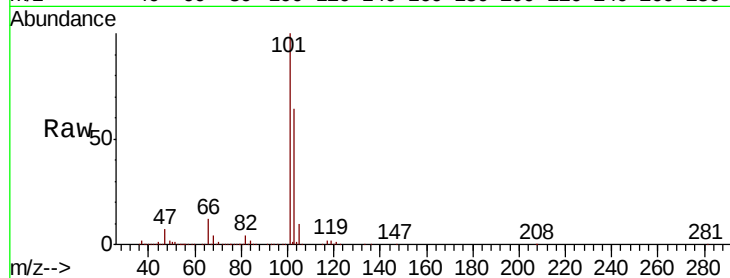


#7

Trichlorofluoromethane
Concen: 51.606 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

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VSTDCCC050

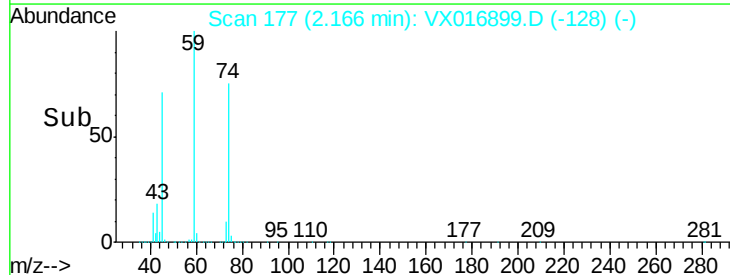
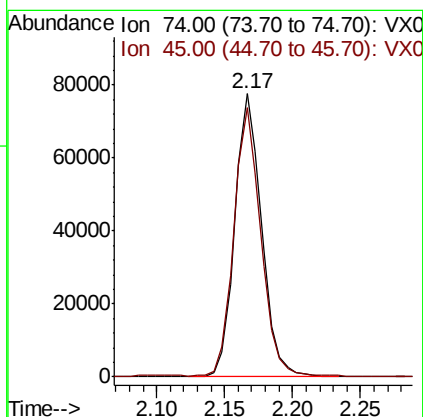
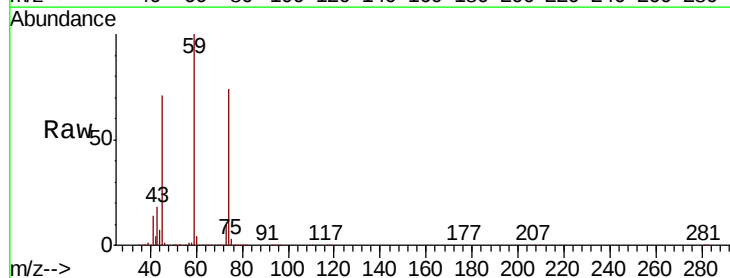
Tot Ion:101 Resp: 272413
Ion Ratio Lower Upper
101 100
103 64.4 51.2 76.8

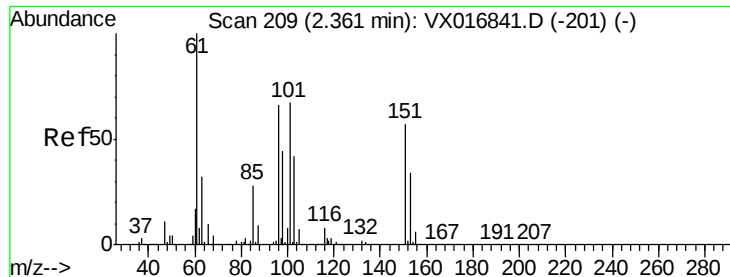


#8

Diethyl Ether
Concen: 51.943 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion: 74 Resp: 106606
Ion Ratio Lower Upper
74 100
45 95.5 45.3 135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.379 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

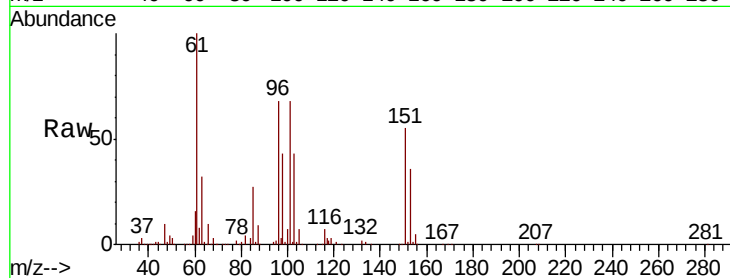
Tot Ion:101 Resp: 130404

Ion Ratio Lower Upper

101 100

85 41.8 34.3 51.5

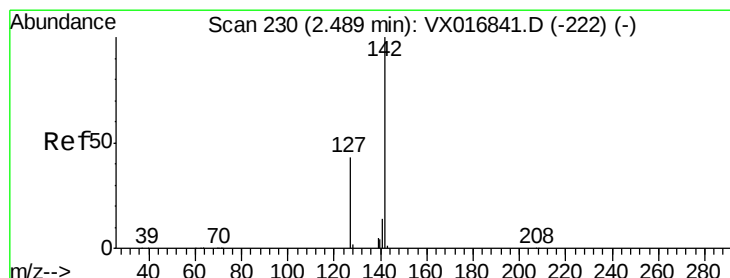
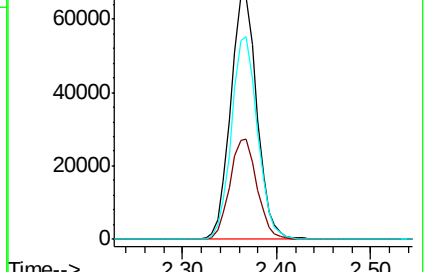
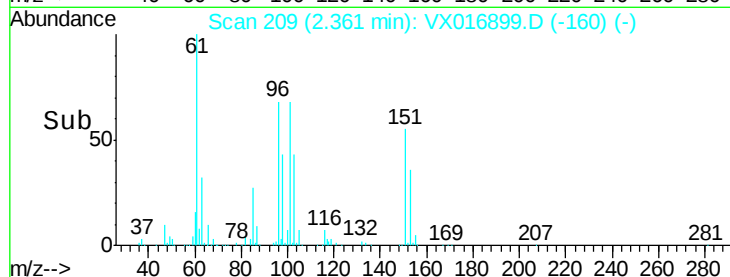
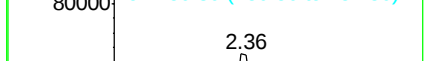
151 82.1 67.6 101.4



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: 44.109 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

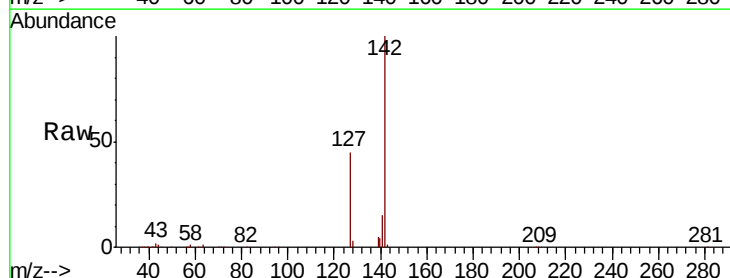
Tgt Ion:142 Resp: 118069

Ion Ratio Lower Upper

142 100

127 42.3 35.1 52.7

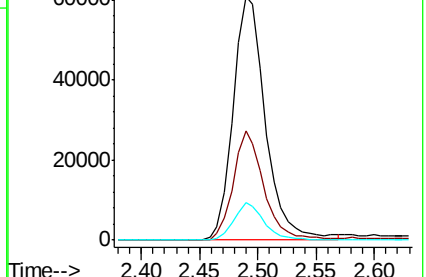
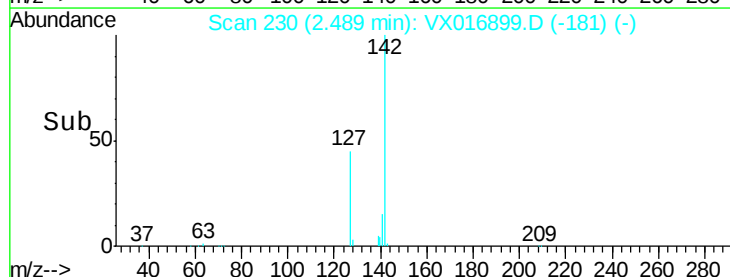
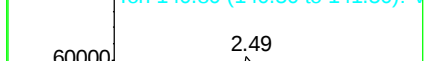
141 14.6 11.6 17.4

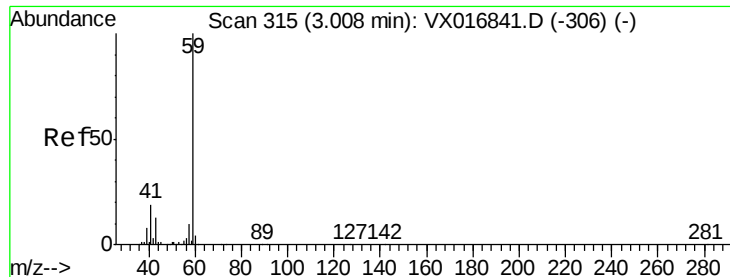


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



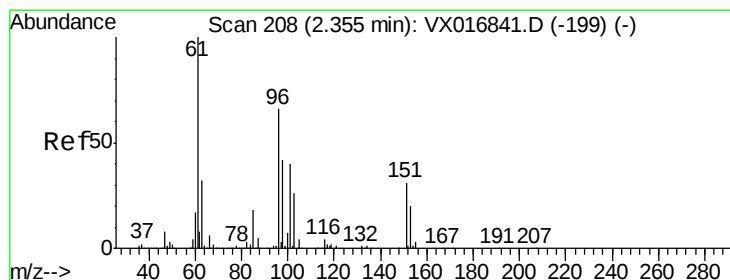
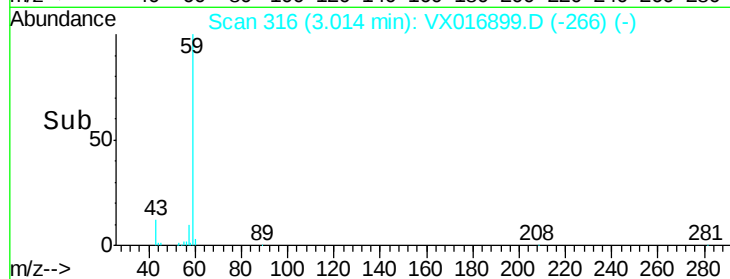
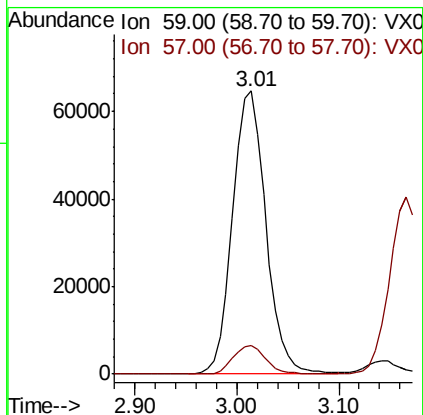
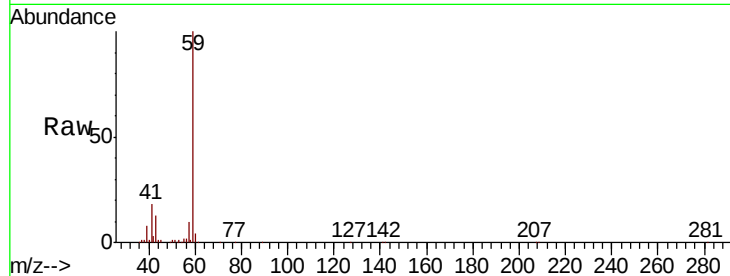


#11

Tert butyl alcohol
Concen: 268.032 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

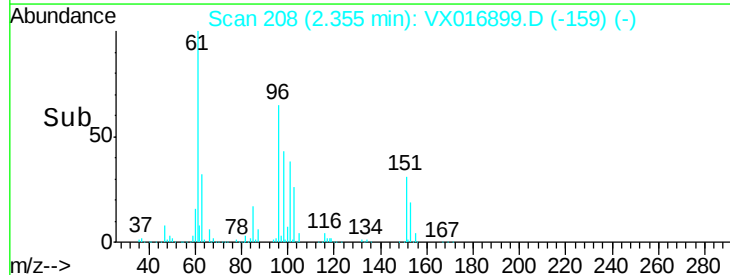
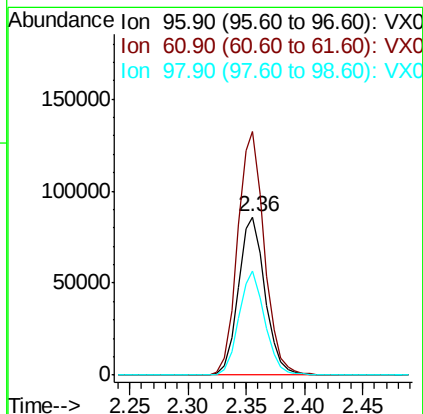
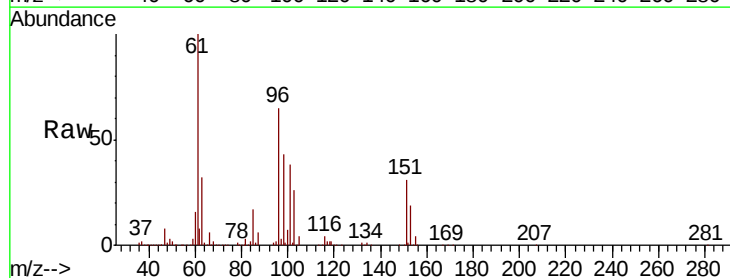
Tot Ion: 59 Resp: 146617
Ion Ratio Lower Upper
59 100
57 10.1 8.4 12.6

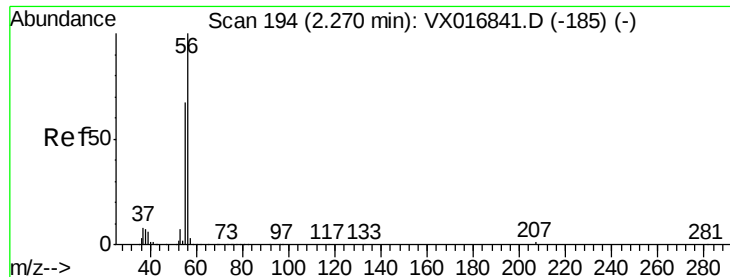


#12

1,1-Dichloroethene
Concen: 47.612 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion: 96 Resp: 136892
Ion Ratio Lower Upper
96 100
61 154.1 121.7 182.5
98 66.0 51.1 76.7





#13

Acrolein

Concen: 433.588 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

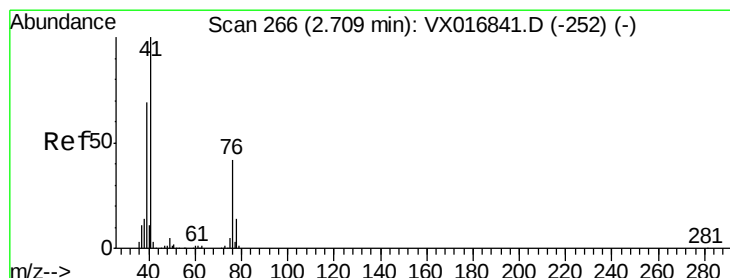
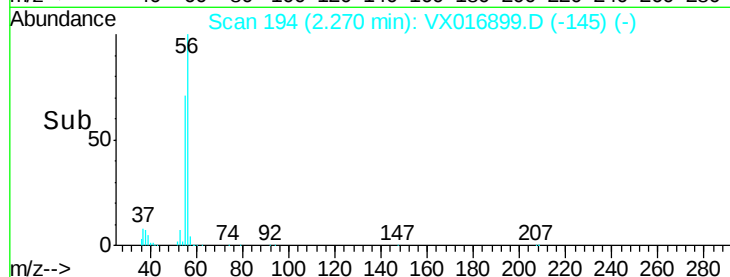
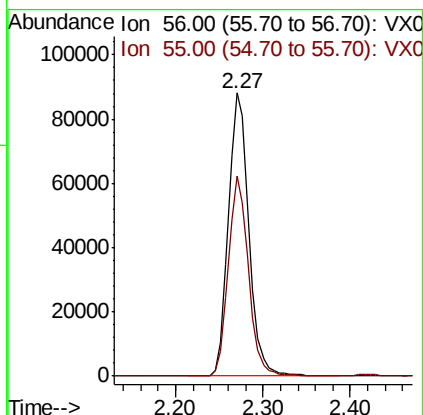
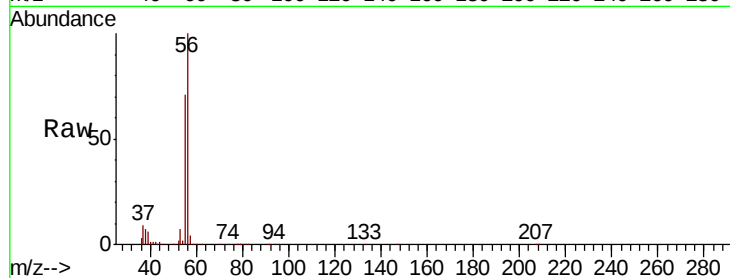
VSTDCCC050

Tot Ion: 56 Resp: 143800

Ion Ratio Lower Upper

56 100

55 68.8 55.7 83.5



#14

Allyl chloride

Concen: 52.524 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

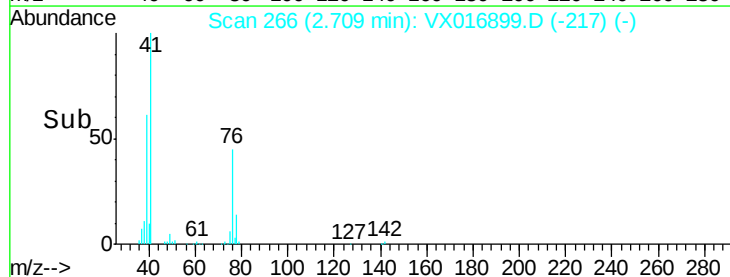
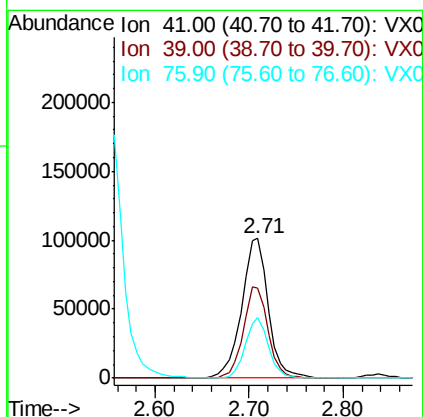
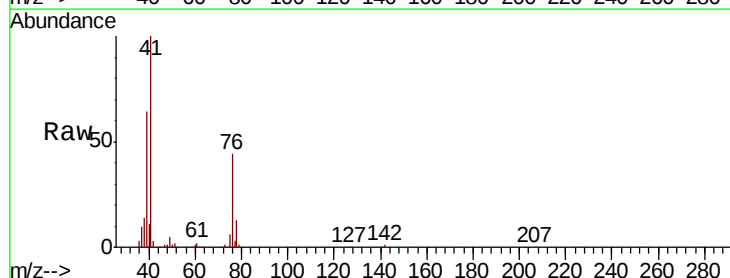
Tgt Ion: 41 Resp: 199755

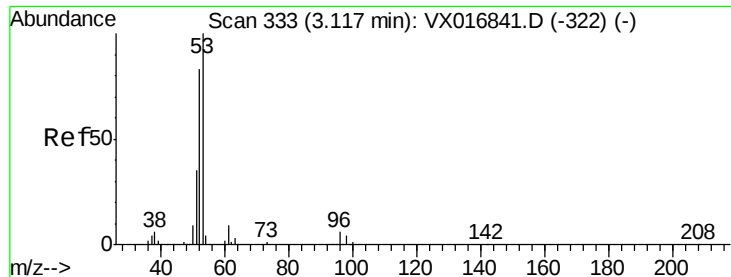
Ion Ratio Lower Upper

41 100

39 60.8 50.7 76.1

76 38.3 30.9 46.3





#15

Acrylonitrile

Concen: 277.025 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

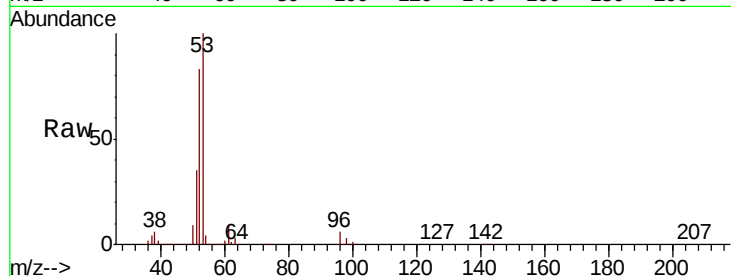
Tot Ion: 53 Resp: 347259

Ion Ratio Lower Upper

53 100

52 82.9 66.2 99.2

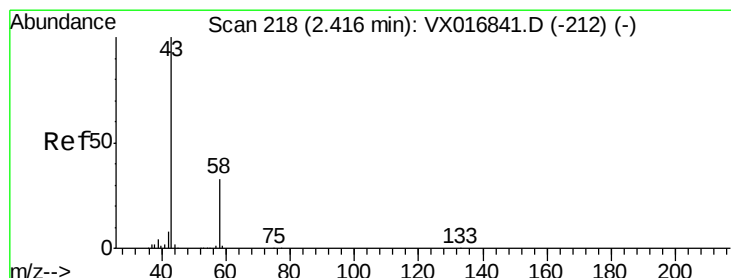
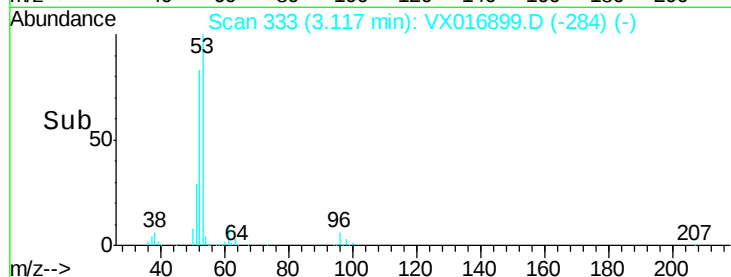
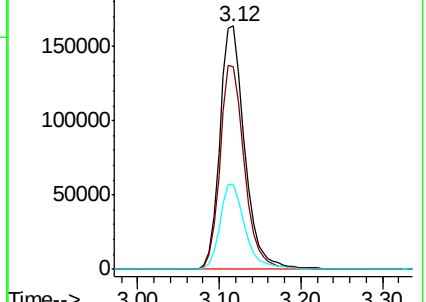
51 35.3 28.7 43.1



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: 229.103 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016899.D

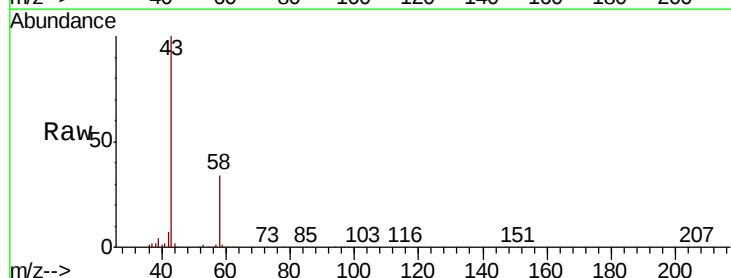
Acq: 19 Jun 2020 23:26

Tgt Ion: 43 Resp: 269114

Ion Ratio Lower Upper

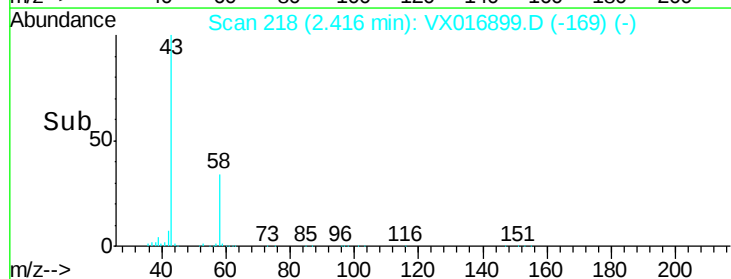
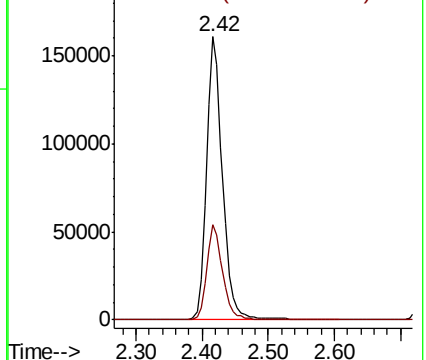
43 100

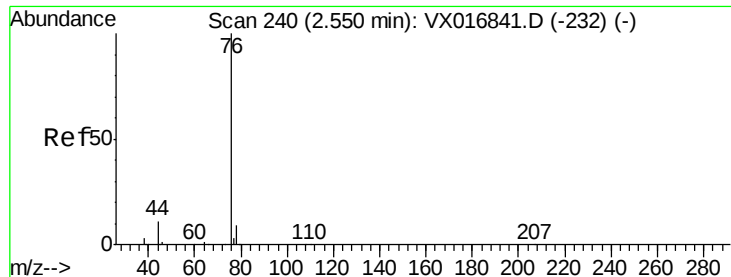
58 33.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

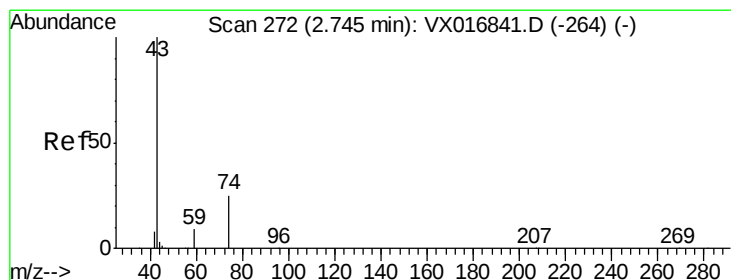
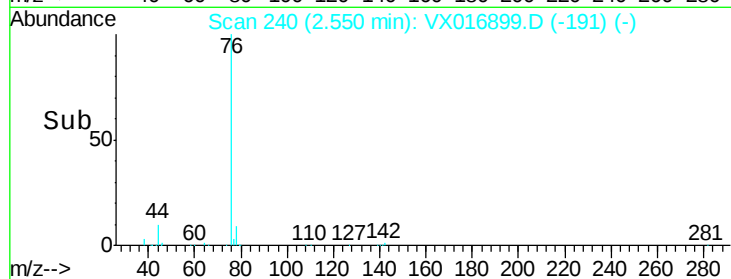
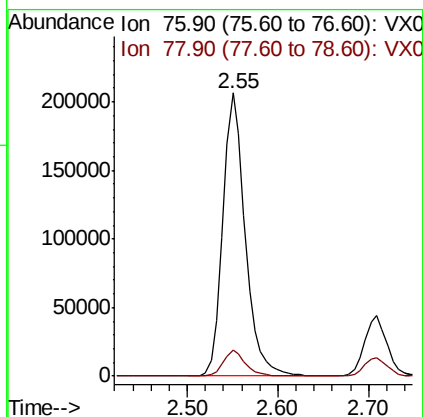
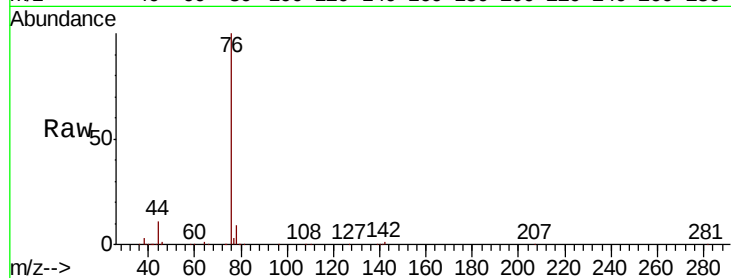




#17
Carbon Disulfide
Concen: 47.727 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

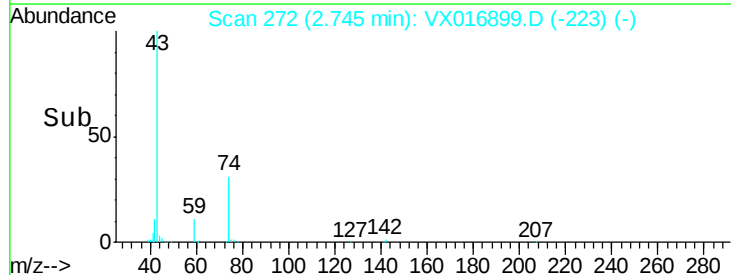
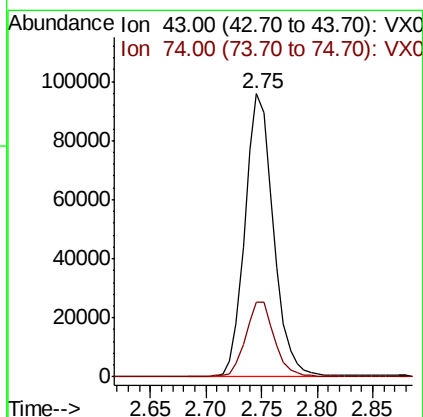
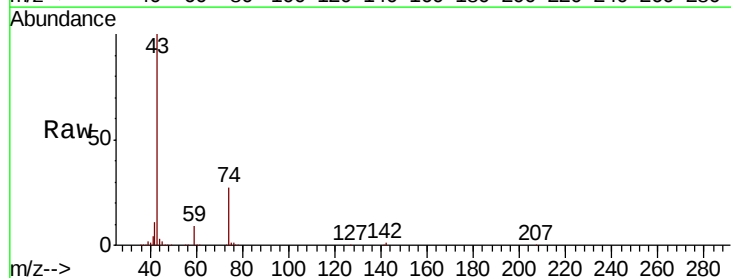
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

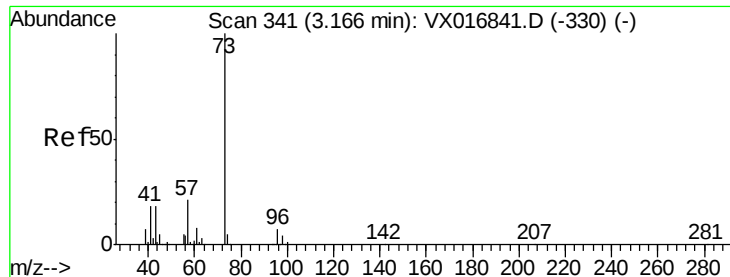
Tot Ion: 76 Resp: 354629
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 57.037 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion: 43 Resp: 170368
Ion Ratio Lower Upper
43 100
74 27.7 21.8 32.8



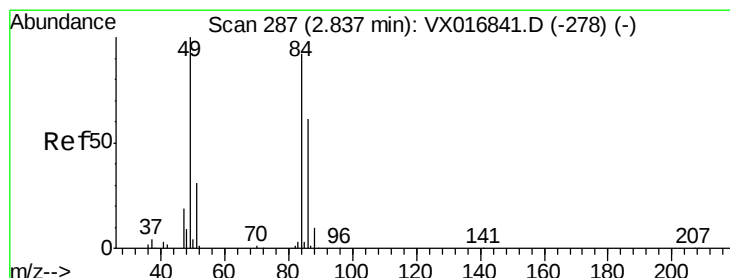
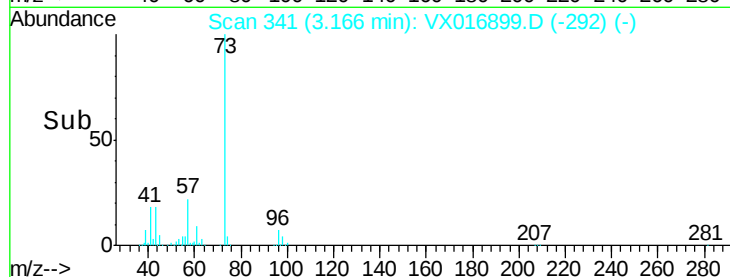
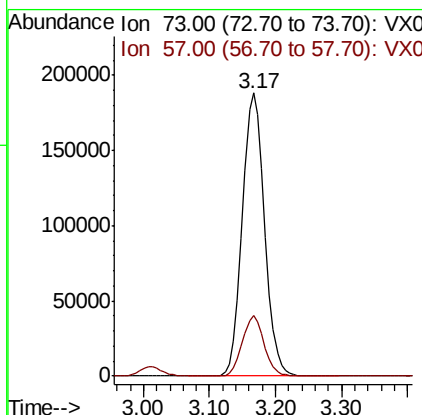
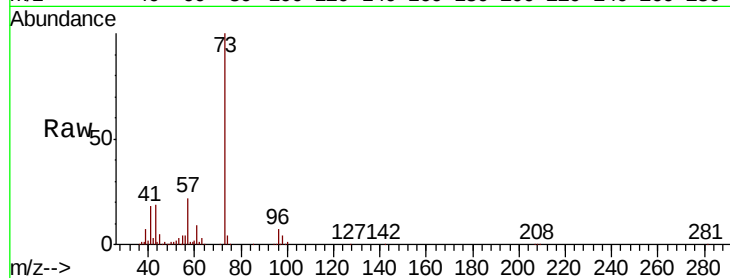


#19

Methyl tert-butyl Ether
 Concen: 53.717 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX016899.D
 Acq: 19 Jun 2020 23:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

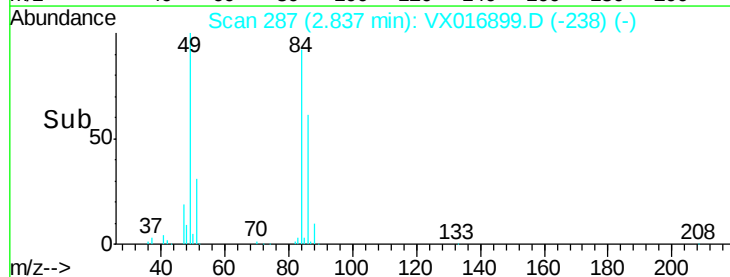
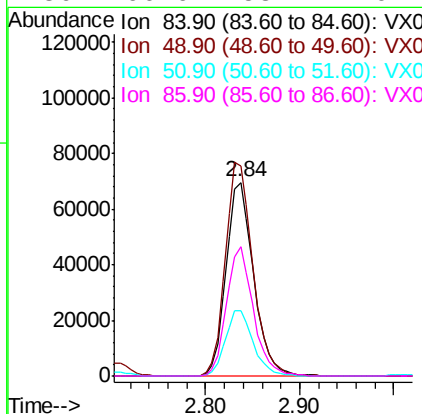
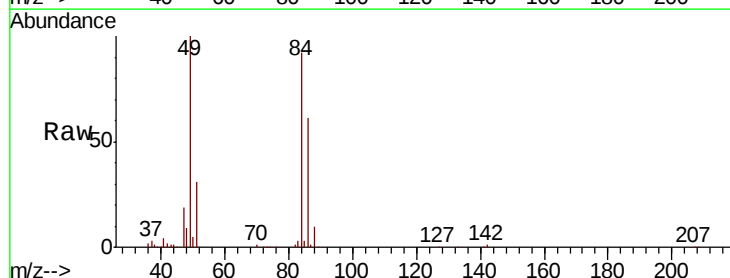
Tot Ion: 73 Resp: 440139
 Ion Ratio Lower Upper
 73 100
 57 21.6 16.9 25.3

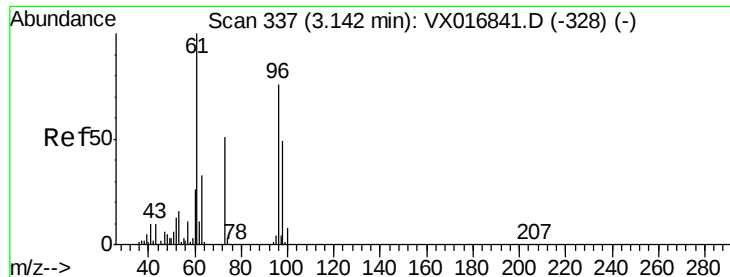


#20

Methylene Chloride
 Concen: 50.194 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX016899.D
 Acq: 19 Jun 2020 23:26

Tgt Ion: 84 Resp: 141390
 Ion Ratio Lower Upper
 84 100
 49 108.4 86.6 129.8
 51 33.8 27.1 40.7
 86 66.6 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 50.697 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

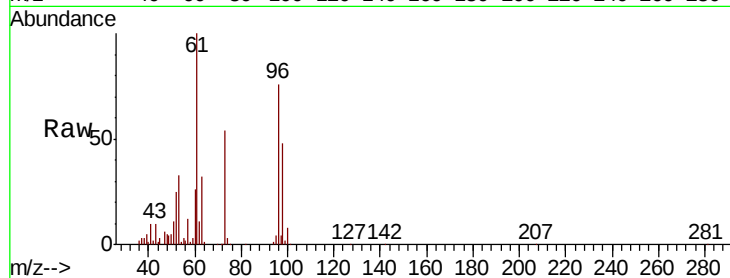
Tot Ion: 96 Resp: 137593

Ion Ratio Lower Upper

96 100

61 132.2 105.4 158.0

98 63.4 51.3 76.9

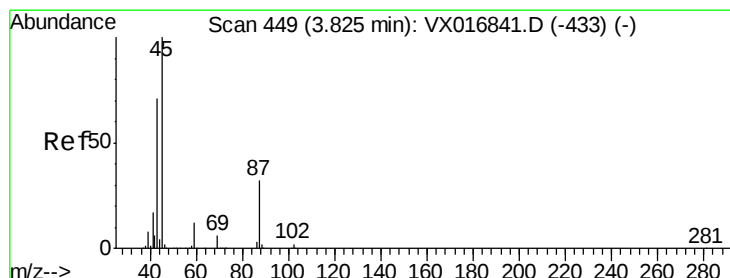
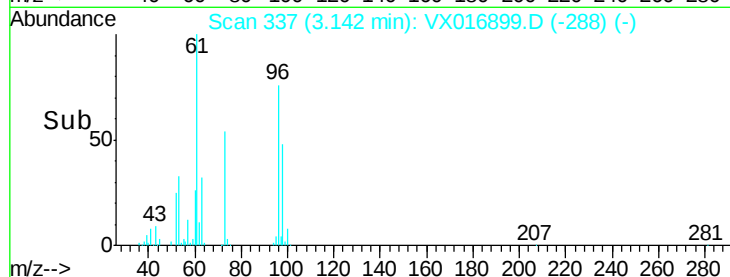
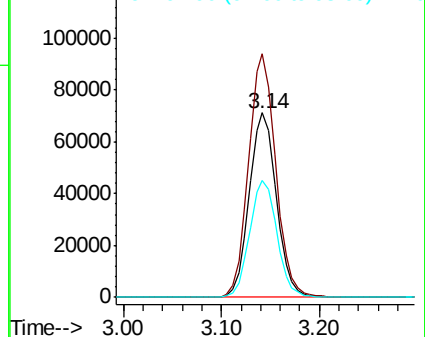


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 65.332 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Tgt Ion: 45 Resp: 476040

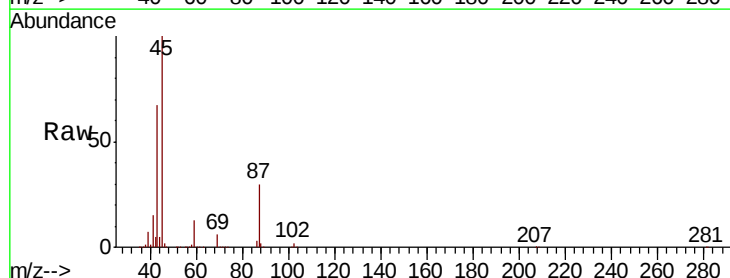
Ion Ratio Lower Upper

45 100

43 67.3 57.0 85.4

87 30.2 25.2 37.8

59 12.6 9.9 14.9



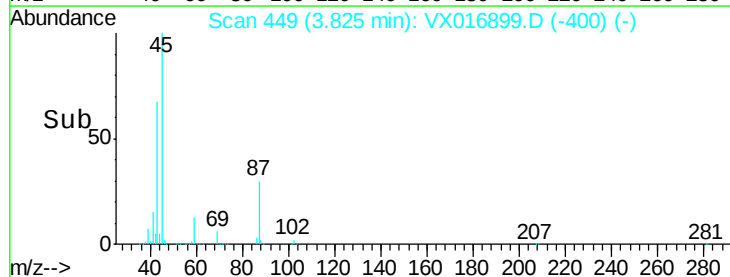
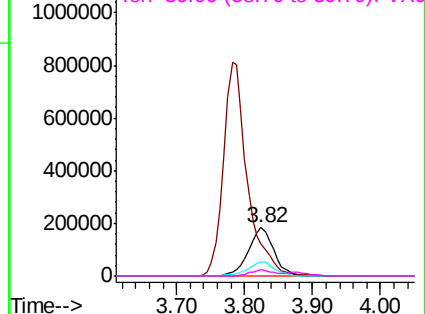
Abundance

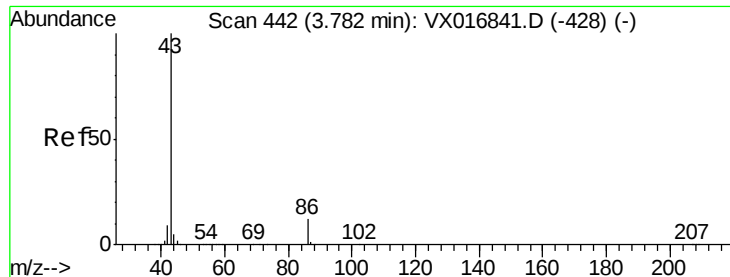
Ion 45.00 (44.70 to 45.70): VX0

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: 330.455 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

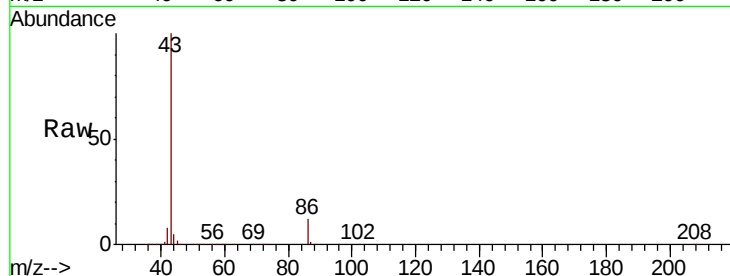
VSTDCCC050

Tot Ion: 43 Resp: 1985497

Ion Ratio Lower Upper

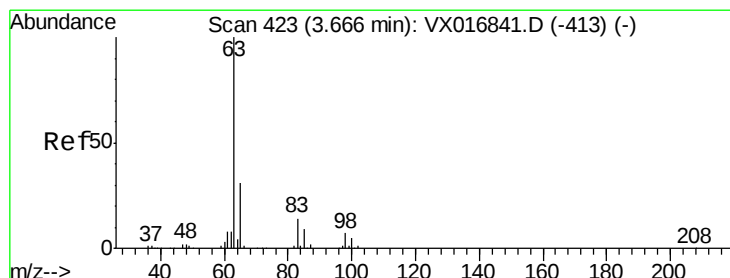
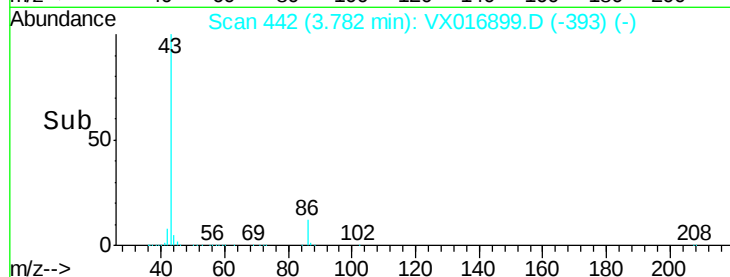
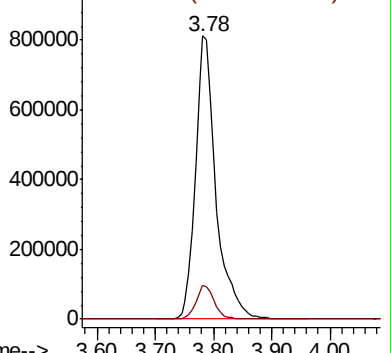
43 100

86 11.8 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.218 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

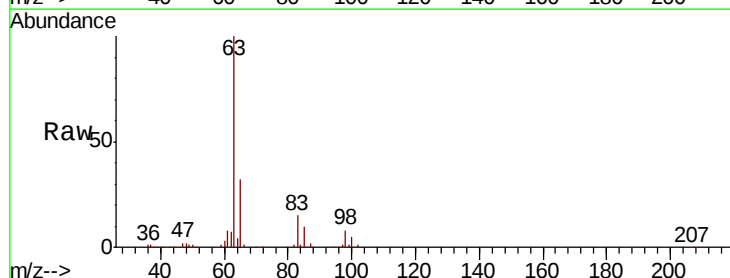
Tgt Ion: 63 Resp: 242222

Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

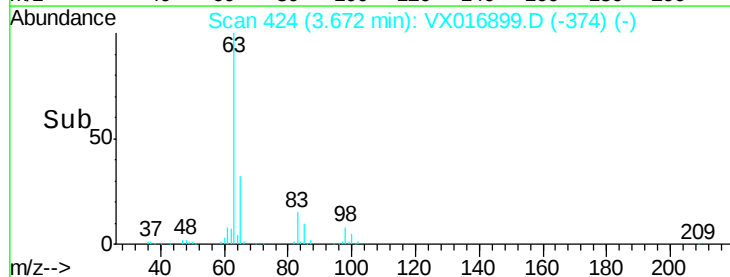
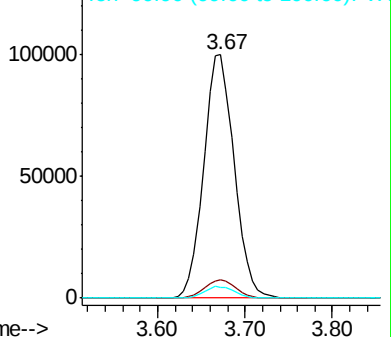
100 4.6 2.4 7.1

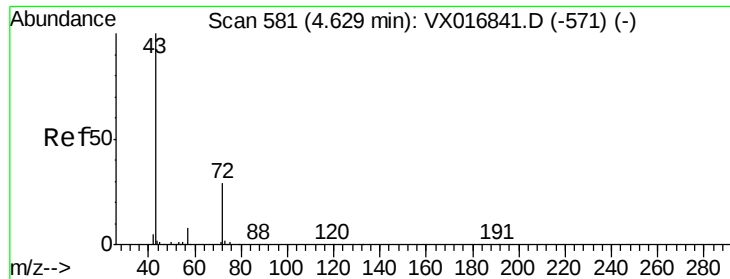


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 333.225 ug/l

RT: 4.63 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

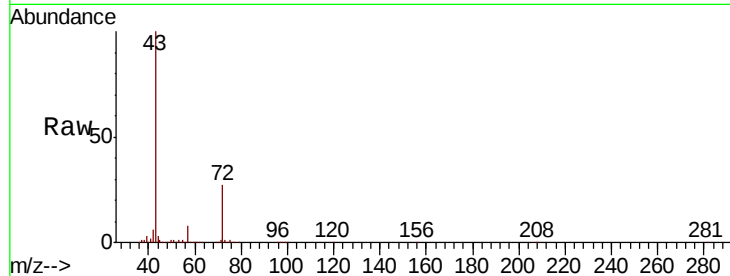
VSTDCCC050

Tot Ion: 43 Resp: 538696

Ion Ratio Lower Upper

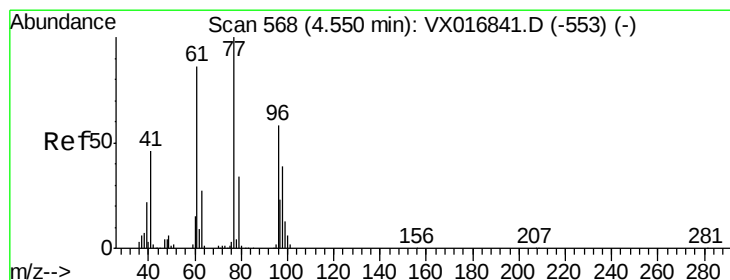
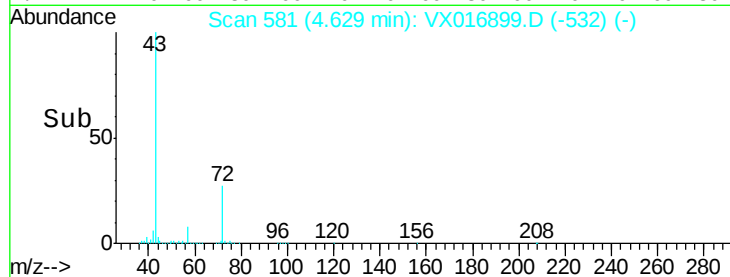
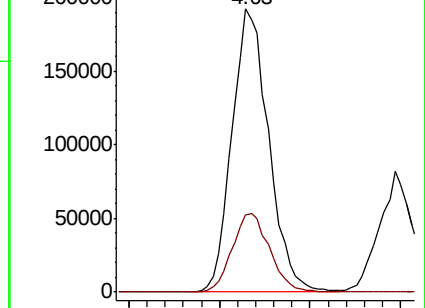
43 100

72 27.1 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 50.534 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX016899.D

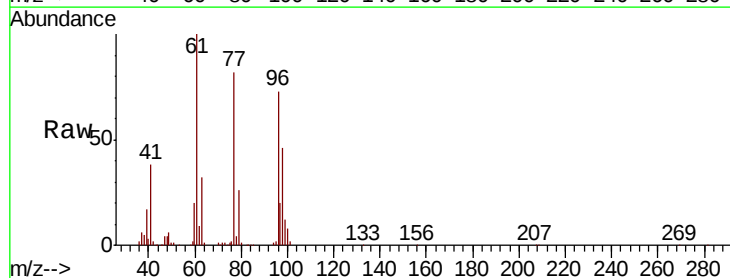
Acq: 19 Jun 2020 23:26

Tgt Ion: 77 Resp: 215489

Ion Ratio Lower Upper

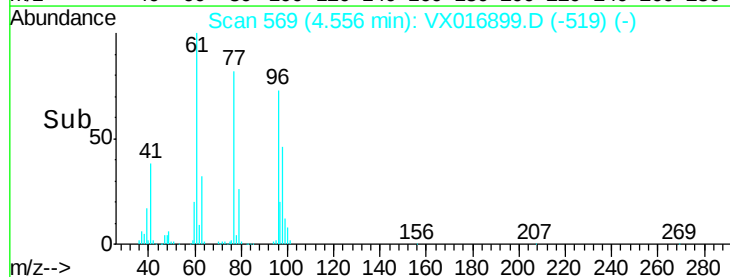
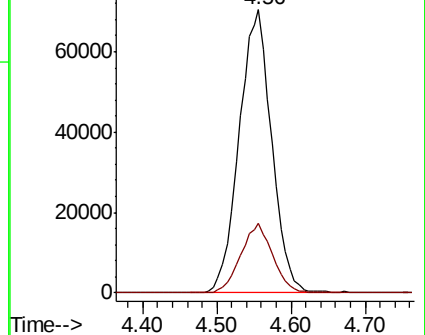
77 100

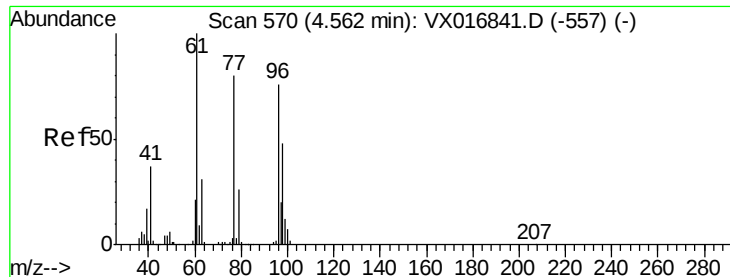
97 24.0 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



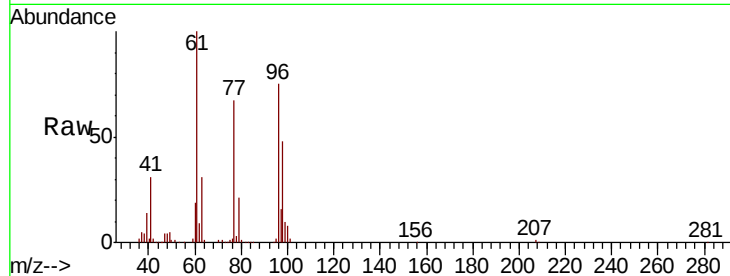


#27

cis-1,2-Dichloroethene
Concen: 60.772 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	273.8
98	64.4	0.0	129.0

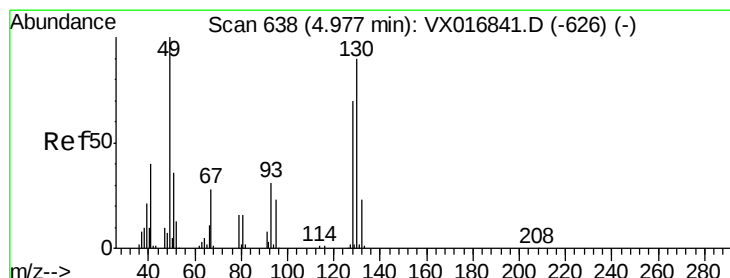
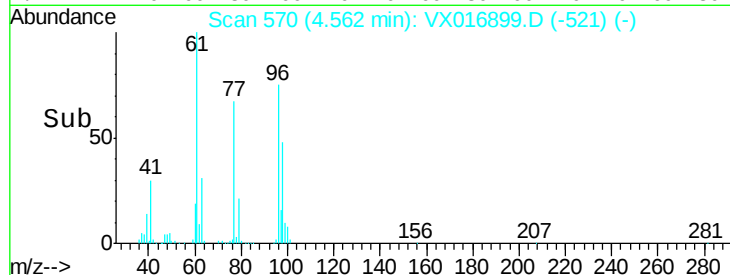
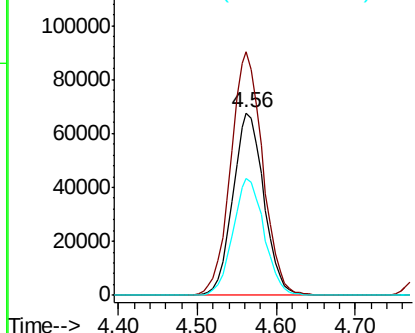


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

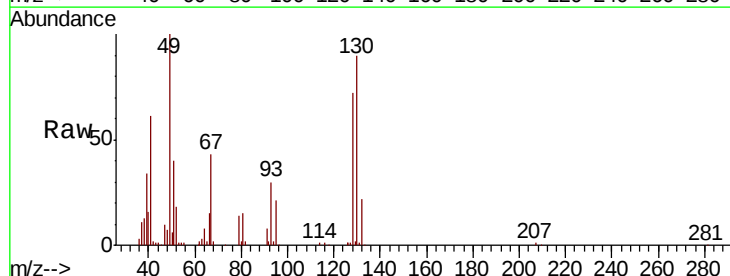
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 59.035 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	87.5	76.8	115.2

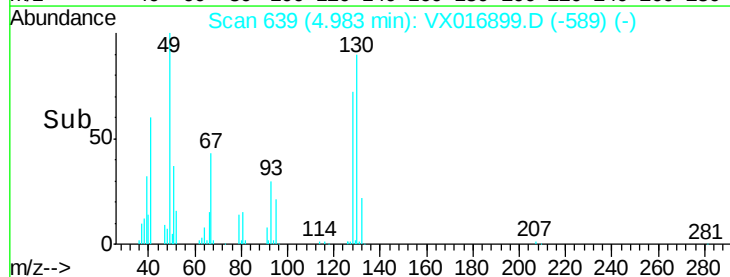
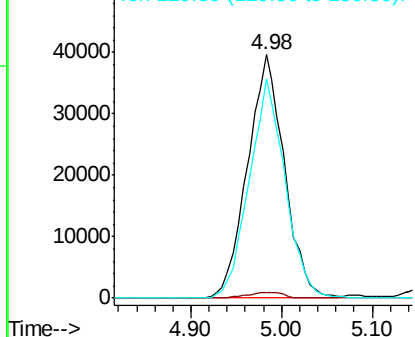


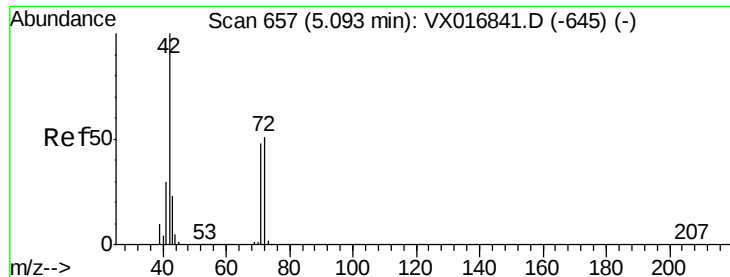
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 334.666 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

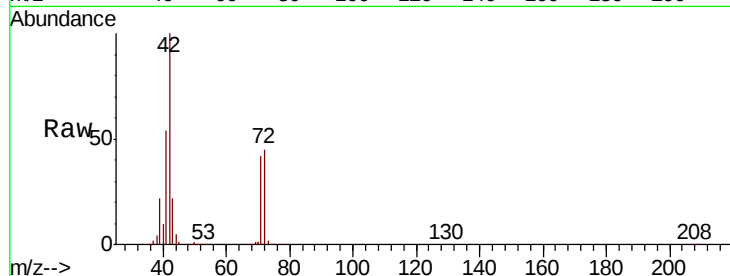
Tot Ion: 42 Resp: 340736

Ion Ratio Lower Upper

42 100

72 48.7 41.1 61.7

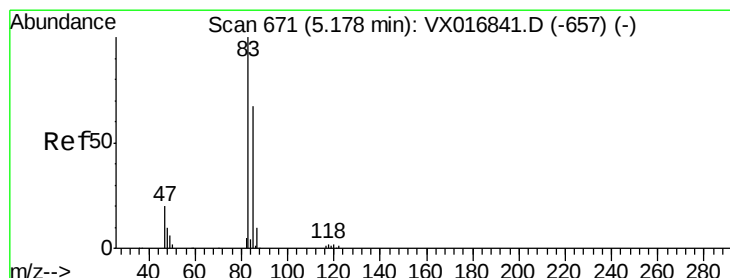
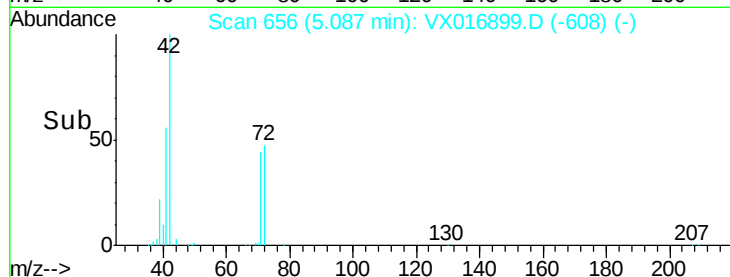
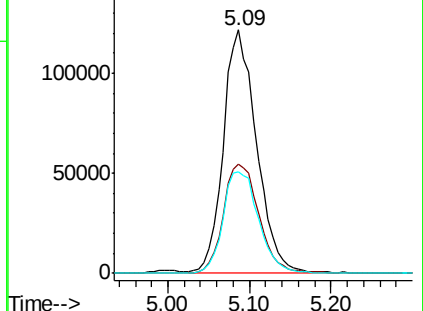
71 45.2 38.4 57.6



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: 54.048 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX016899.D

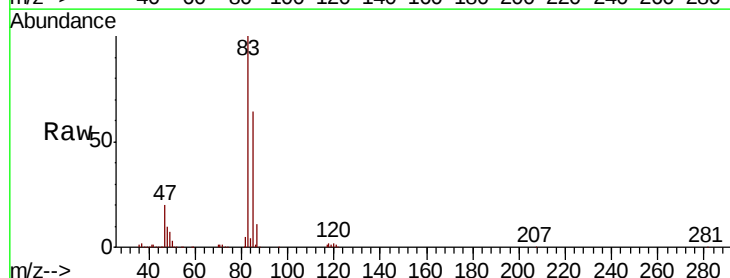
Acq: 19 Jun 2020 23:26

Tgt Ion: 83 Resp: 259711

Ion Ratio Lower Upper

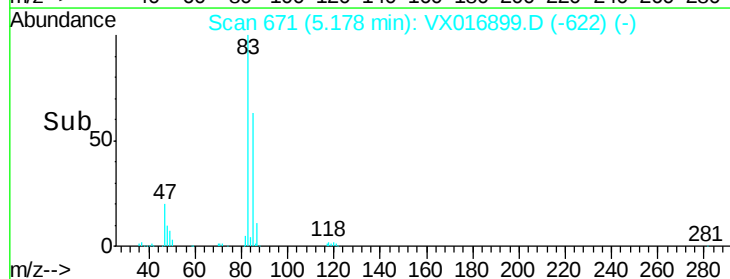
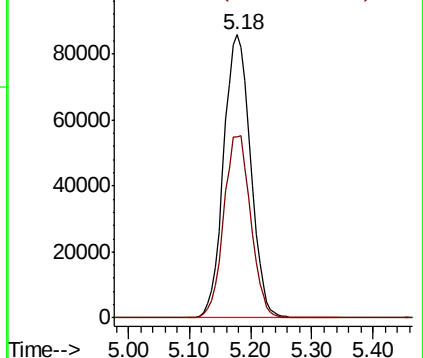
83 100

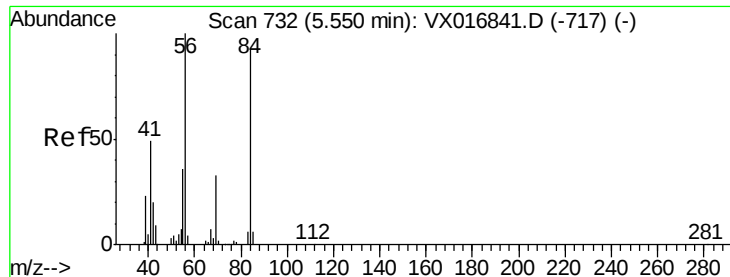
85 64.1 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

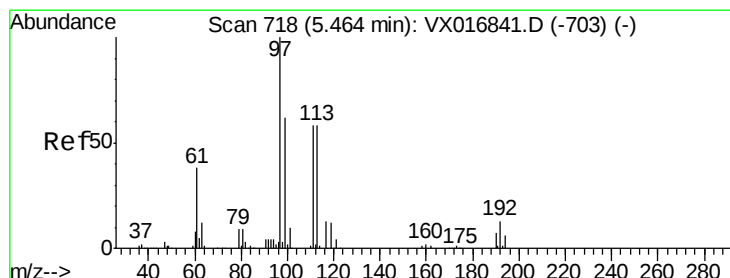
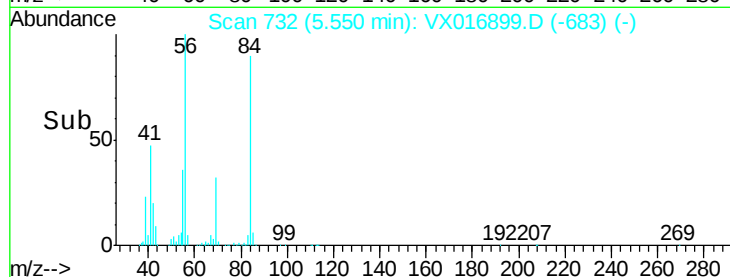
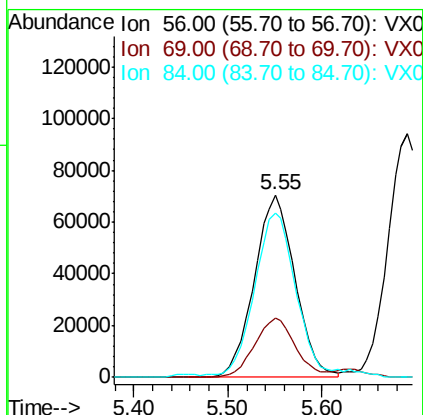
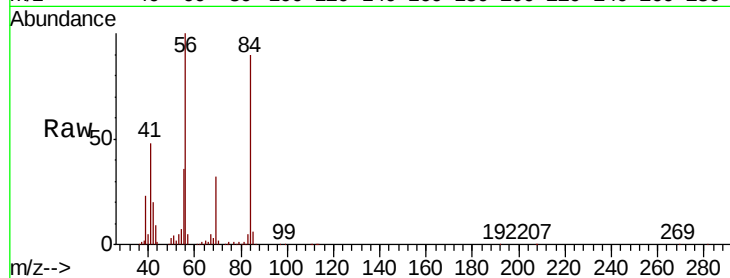




#31
Cyclohexane
Concen: 53.251 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

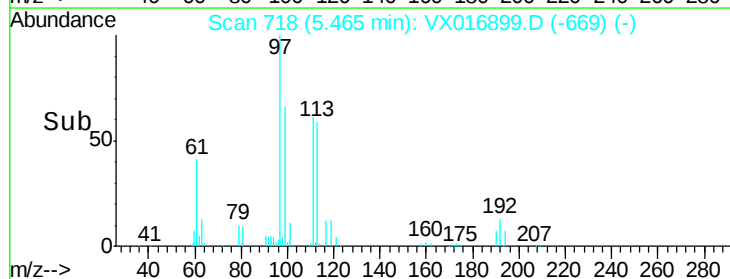
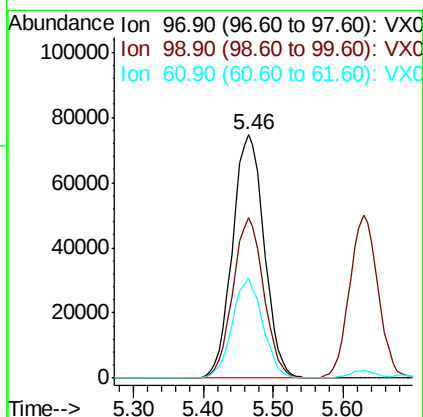
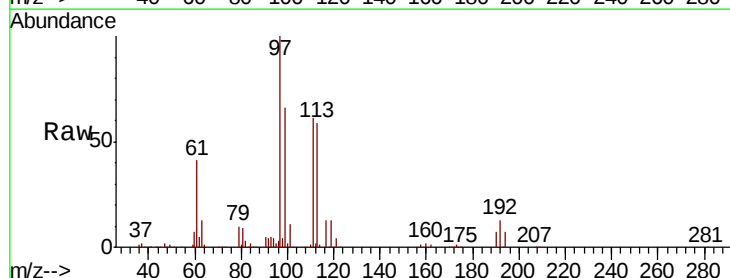
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

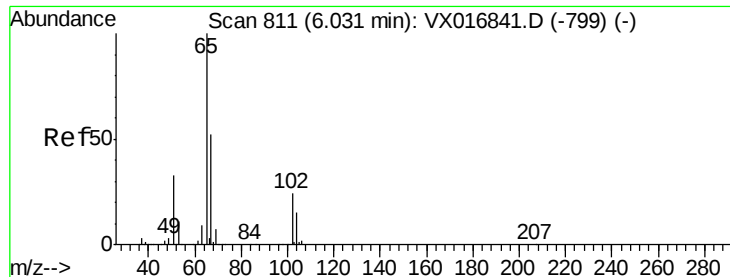
Tot Ion: 56 Resp: 213084
Ion Ratio Lower Upper
56 100
69 32.3 26.1 39.1
84 88.1 73.0 109.6



#32
1,1,1-Trichloroethane
Concen: 51.623 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion: 97 Resp: 234779
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 39.6 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 47.537 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

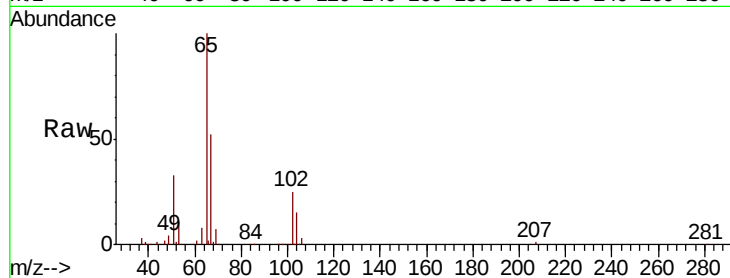
VSTDCCC050

Tot Ion: 65 Resp: 153819

Ion Ratio Lower Upper

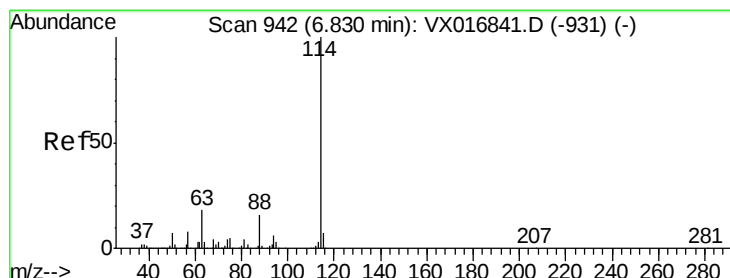
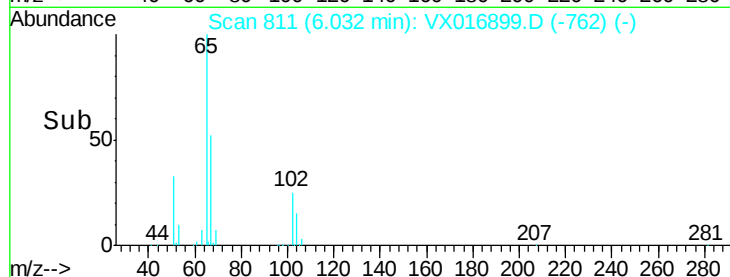
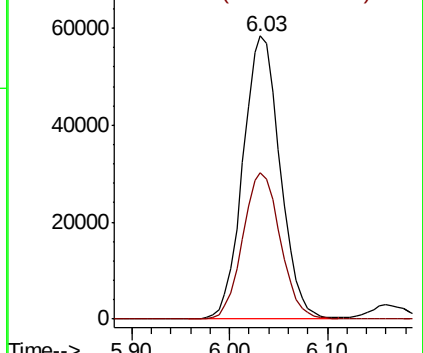
65 100

67 52.3 0.0 102.6



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: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

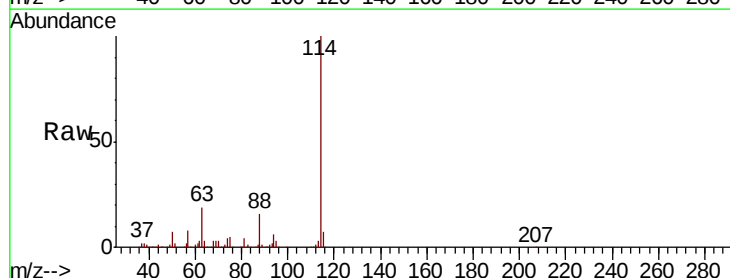
Tgt Ion: 114 Resp: 419624

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.0

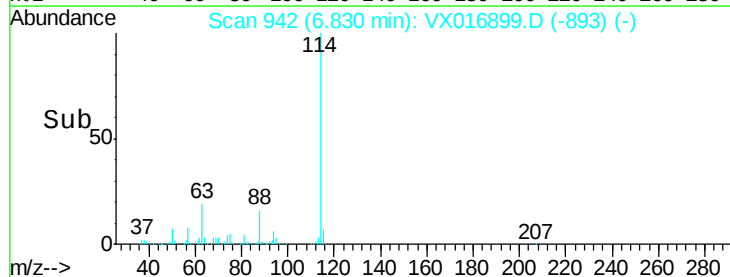
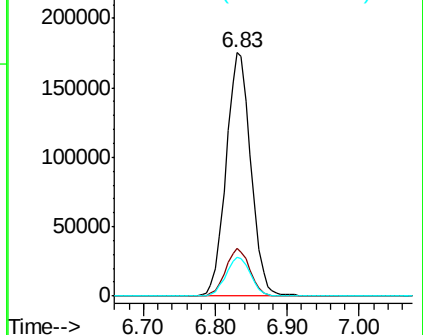
88 16.0 0.0 32.0

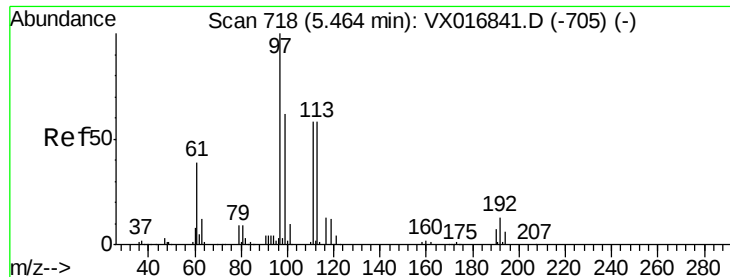


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

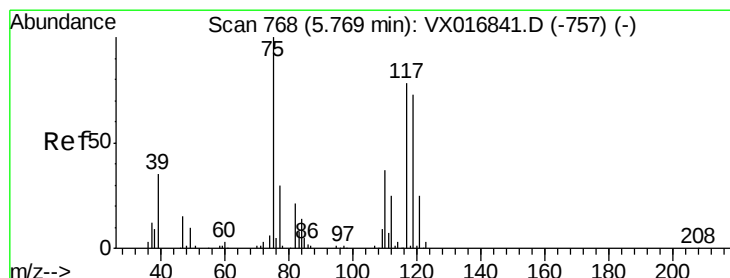
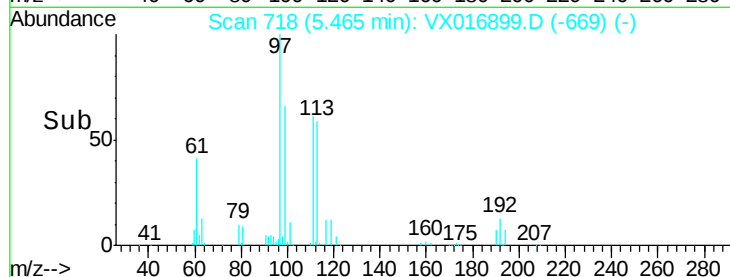
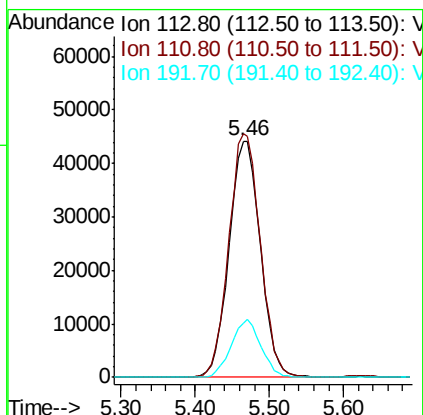
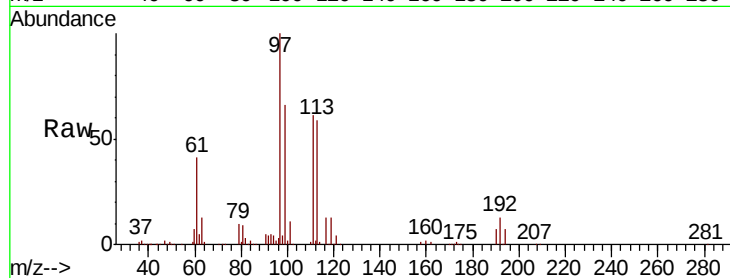




#35
 Dibromofluoromethane
 Concen: 48.436 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX016899.D
 Acq: 19 Jun 2020 23:26

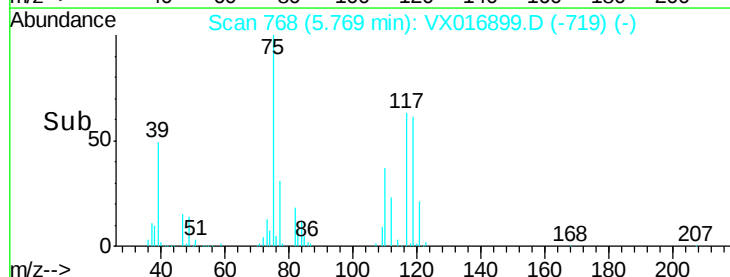
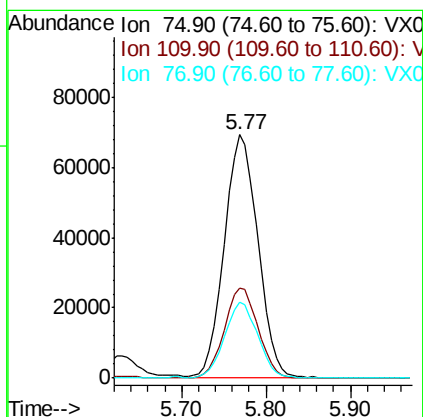
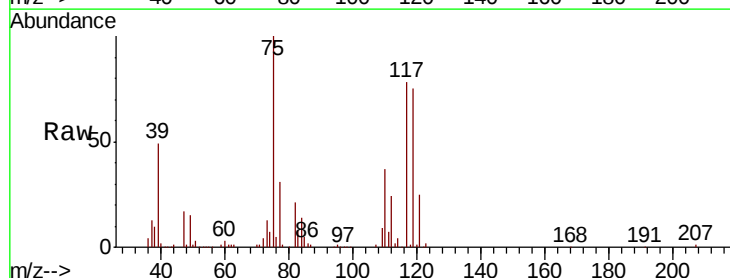
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

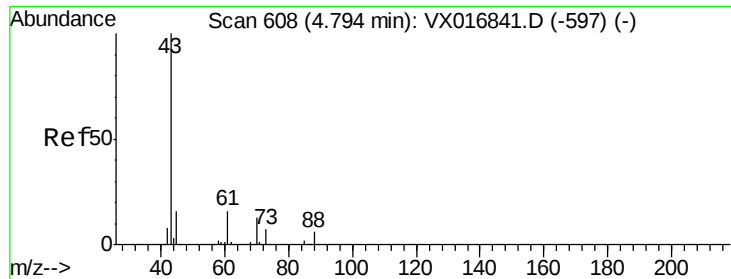
Tot Ion:113 Resp: 130018
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.0 121.4
 192 23.3 18.5 27.7



#36
 1,1-Dichloropropene
 Concen: 48.604 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX016899.D
 Acq: 19 Jun 2020 23:26

Tgt Ion: 75 Resp: 188315
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.9 56.9
 77 30.9 25.6 38.4

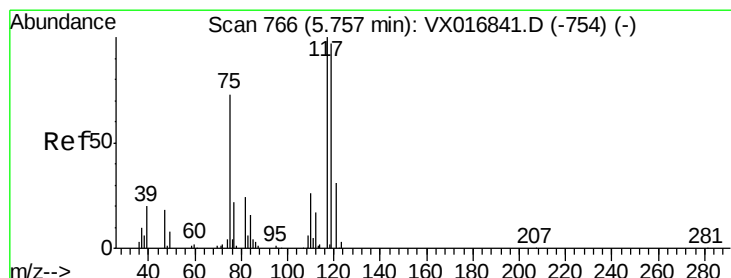
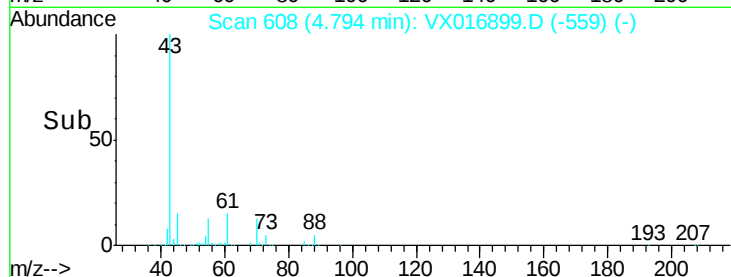
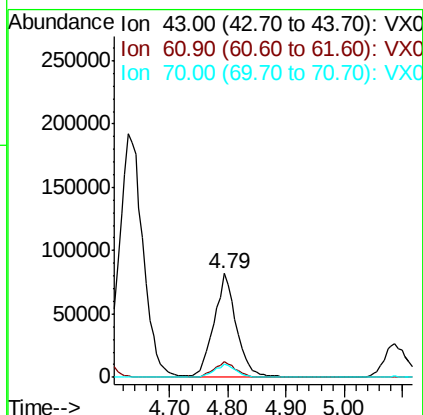
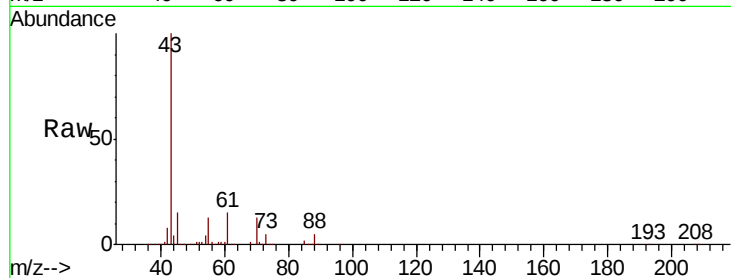




#37
Ethyl Acetate
Concen: 63.399 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

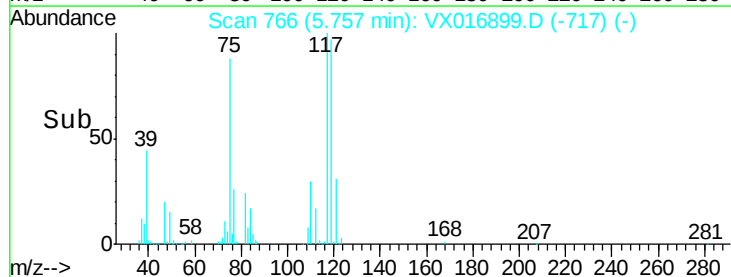
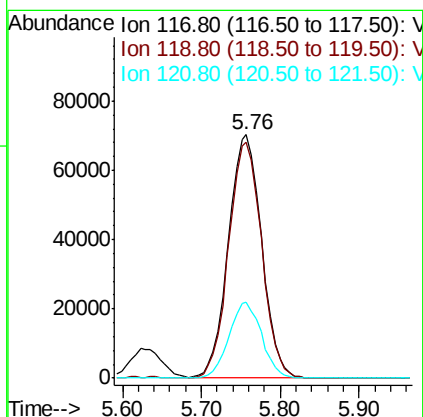
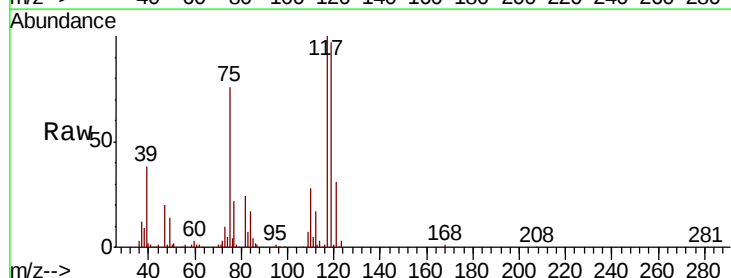
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

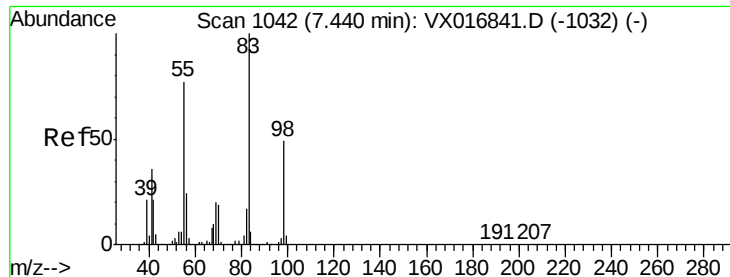
Tot Ion: 43 Resp: 217036
Ion Ratio Lower Upper
43 100
61 15.0 12.2 18.2
70 12.5 10.5 15.7



#38
Carbon Tetrachloride
Concen: 47.370 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion: 117 Resp: 205935
Ion Ratio Lower Upper
117 100
119 97.0 77.4 116.2
121 31.2 24.7 37.1

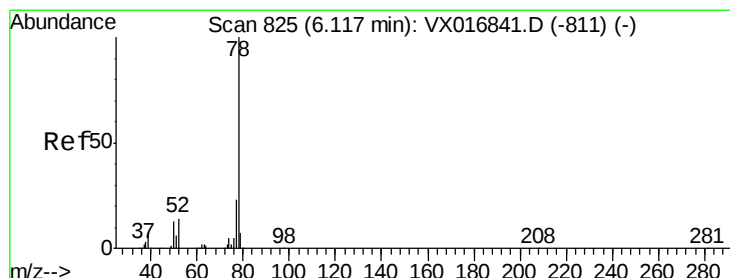
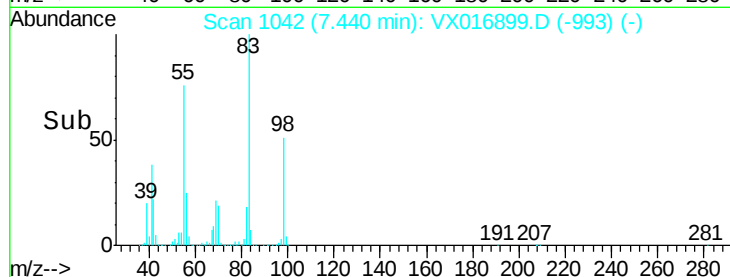
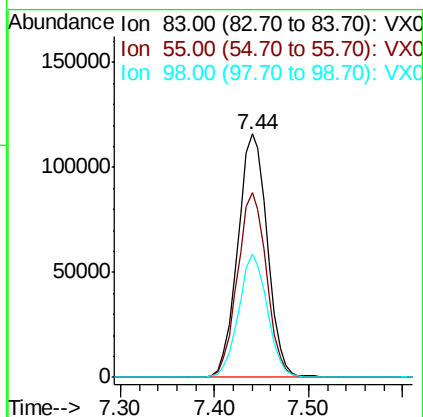
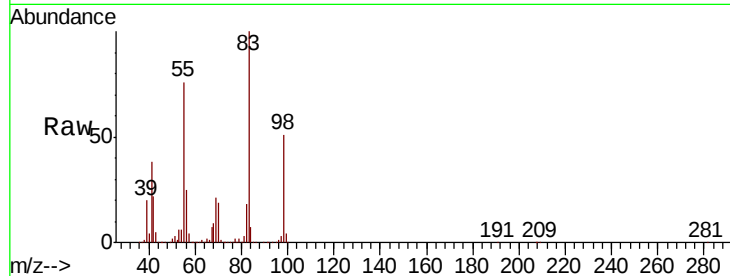




#39
Methvlcvclohexane
Concen: 56.377 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

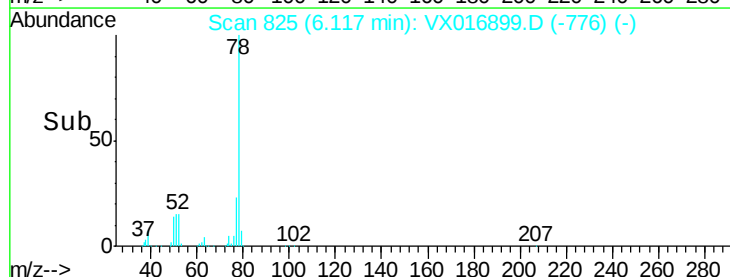
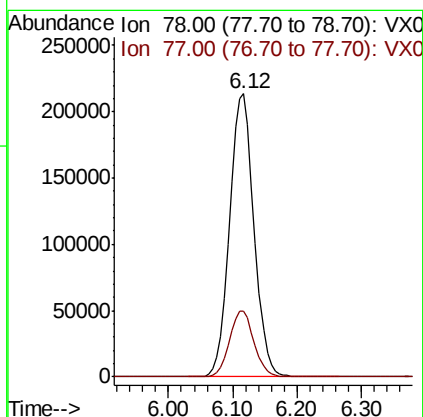
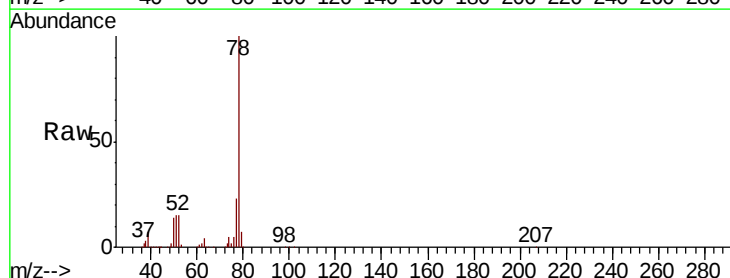
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

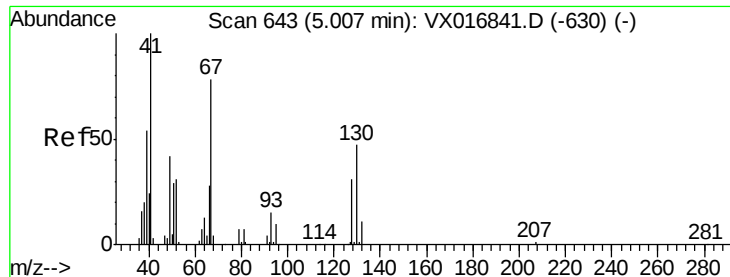
Tot Ion: 83 Resp: 253982
Ion Ratio Lower Upper
83 100
55 76.0 61.7 92.5
98 50.8 39.0 58.6



#40
Benzene
Concen: 48.635 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion: 78 Resp: 565426
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8

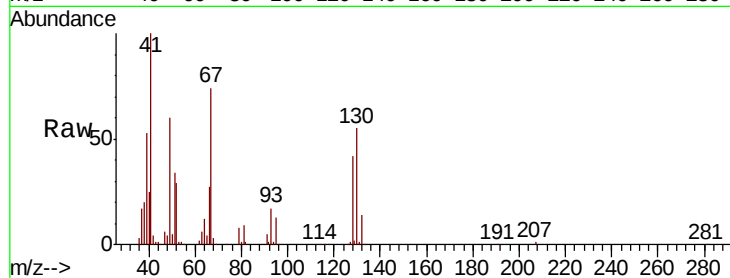




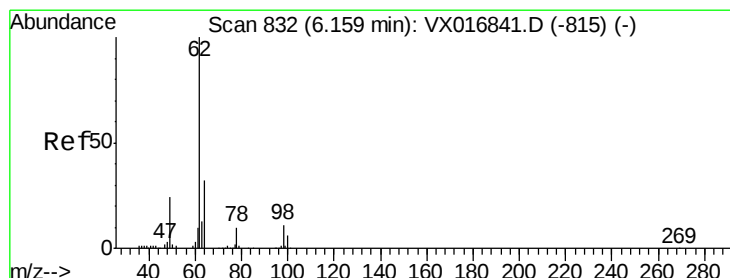
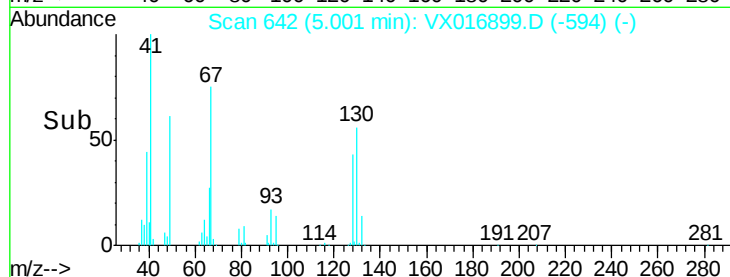
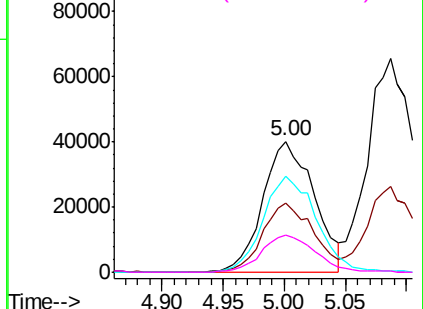
#41
Methacrylonitrile
Concen: 63.196 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	117449
Ion	Ratio	Lower	Upper
41	100		
39	52.2	42.6	64.0
67	76.5	64.2	96.2
52	29.7	25.6	38.4

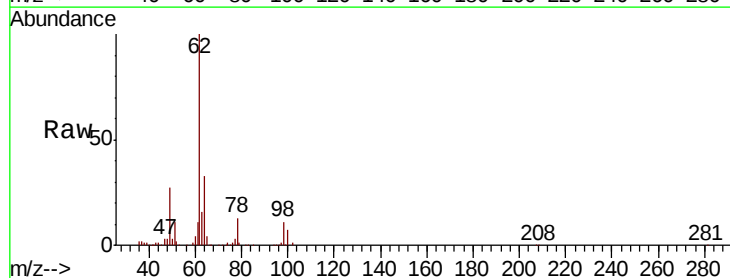


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

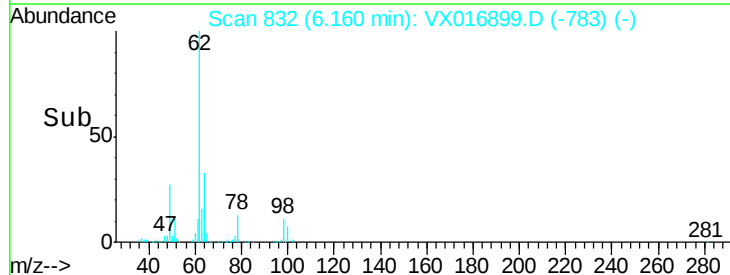
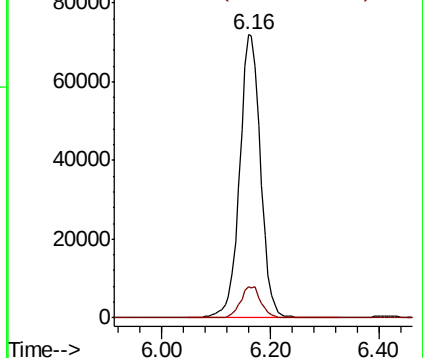


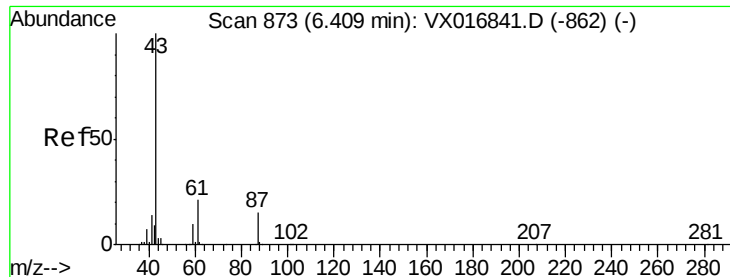
#42
1,2-Dichloroethane
Concen: 46.613 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion:	62	Resp:	192838
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.8



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





#43

Isopropyl Acetate

Concen: 50.515 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

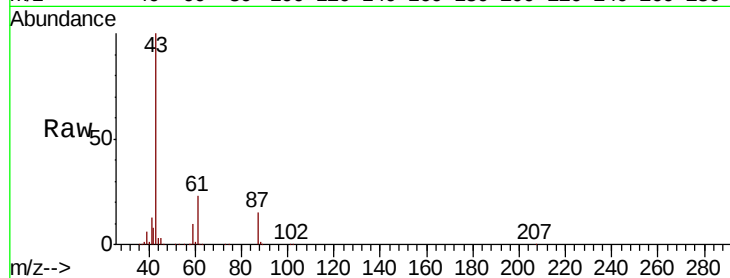
Tot Ion: 43 Resp: 301984

Ion Ratio Lower Upper

43 100

61 22.5 17.9 26.9

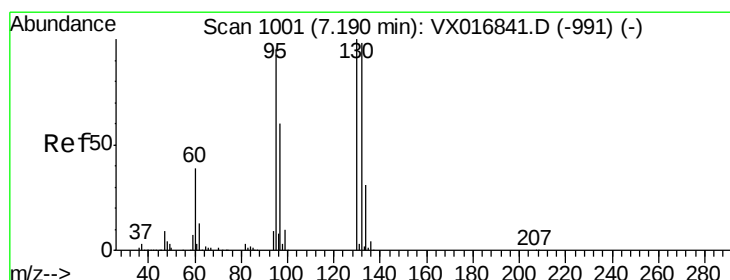
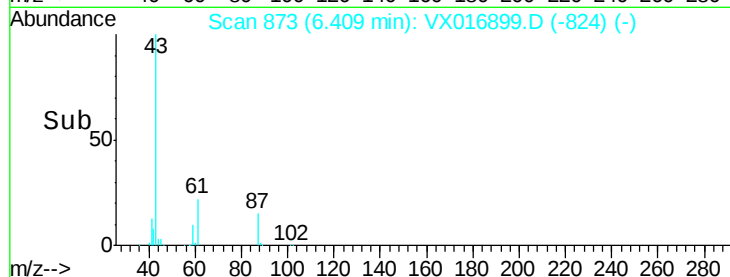
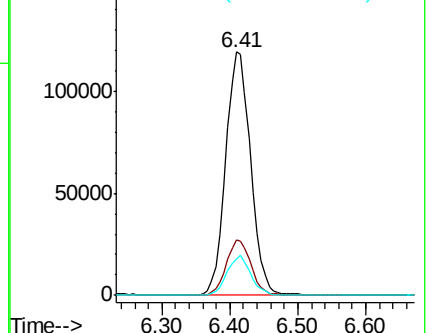
87 15.8 12.4 18.6



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: 53.742 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016899.D

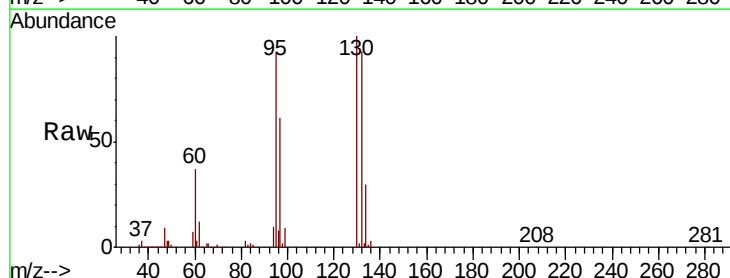
Acq: 19 Jun 2020 23:26

Tgt Ion:130 Resp: 191347

Ion Ratio Lower Upper

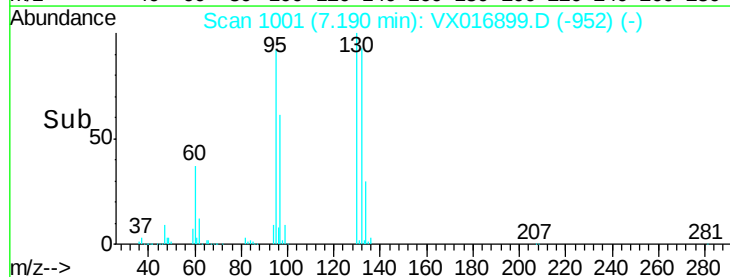
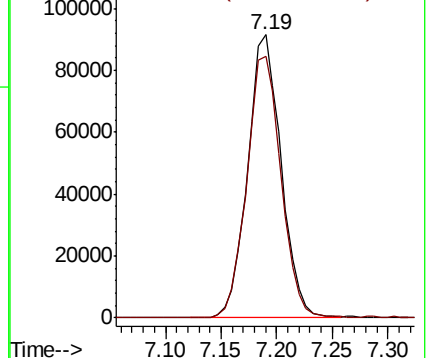
130 100

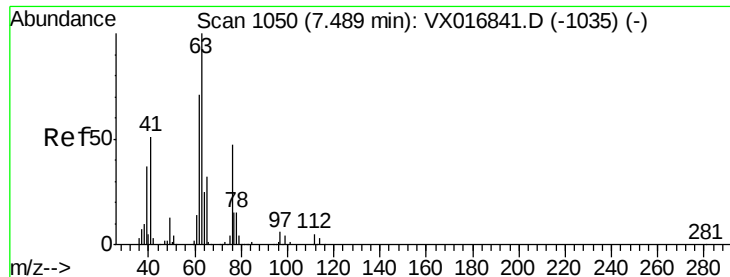
95 92.2 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 59.236 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

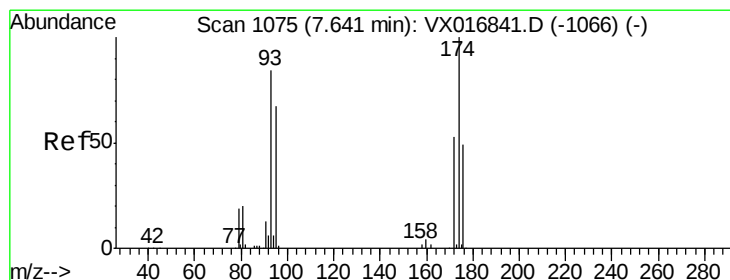
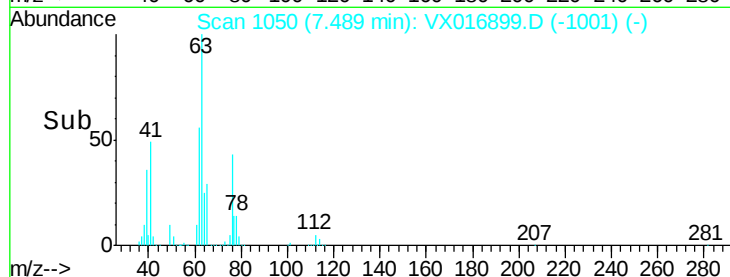
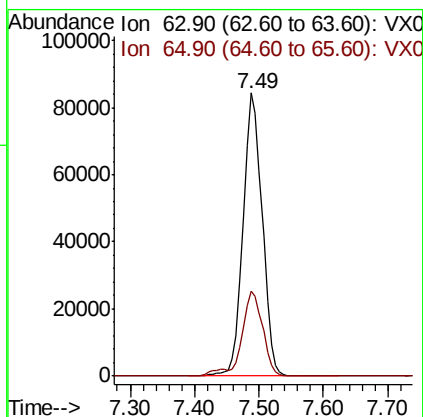
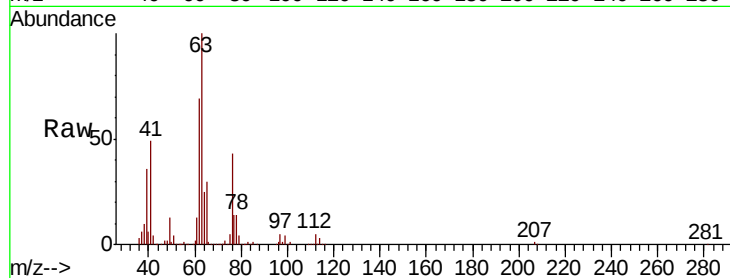
VSTDCCC050

Tot Ion: 63 Resp: 173121

Ion Ratio Lower Upper

63 100

65 30.2 25.8 38.8



#46

Dibromomethane

Concen: 57.430 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

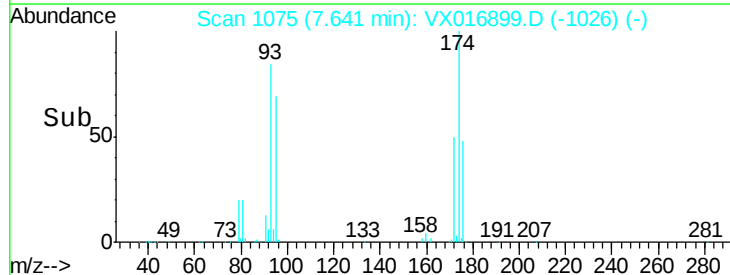
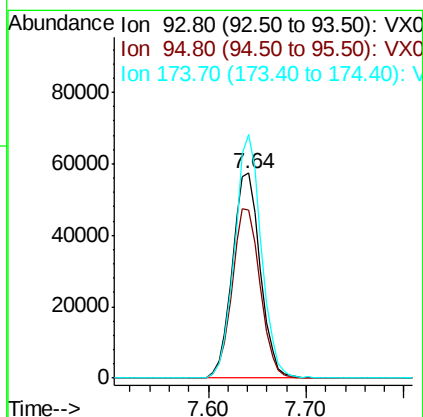
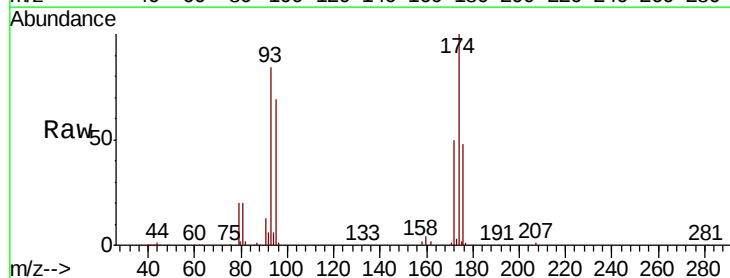
Tgt Ion: 93 Resp: 113825

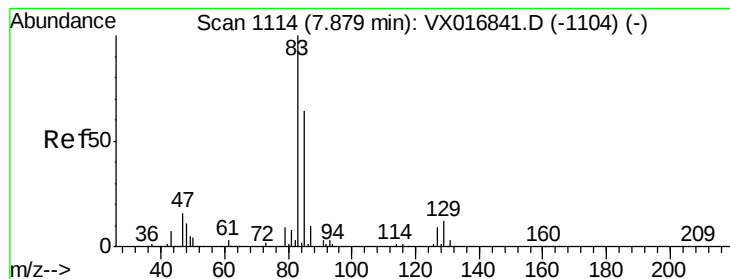
Ion Ratio Lower Upper

93 100

95 82.8 65.7 98.5

174 113.7 92.8 139.2





#47

Bromodichloromethane

Concen: 58.326 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

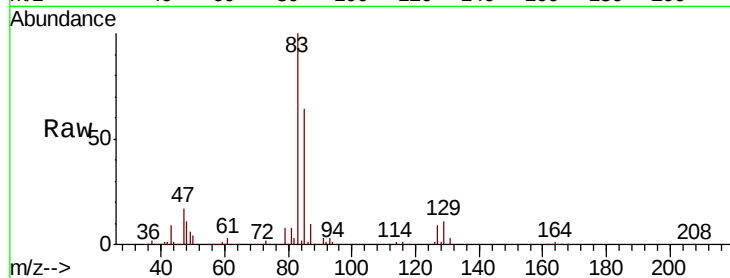
Tot Ion: 83 Resp: 245862

Ion Ratio Lower Upper

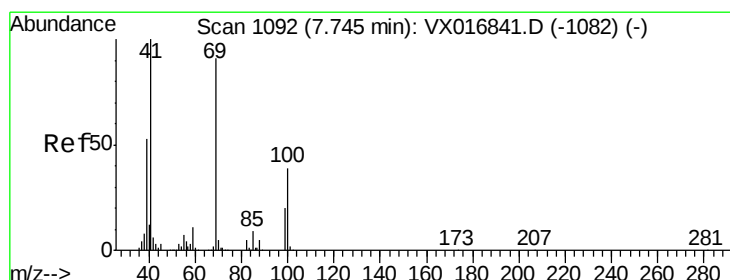
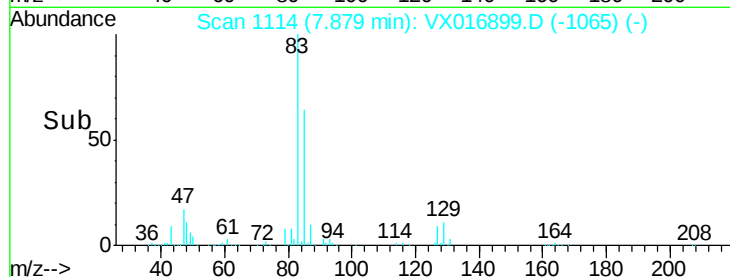
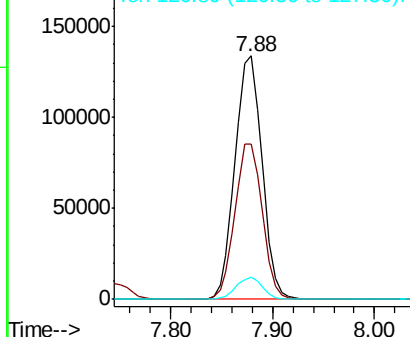
83 100

85 63.9 50.9 76.3

127 9.1 7.4 11.0



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



#48

Methyl methacrylate

Concen: 69.044 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

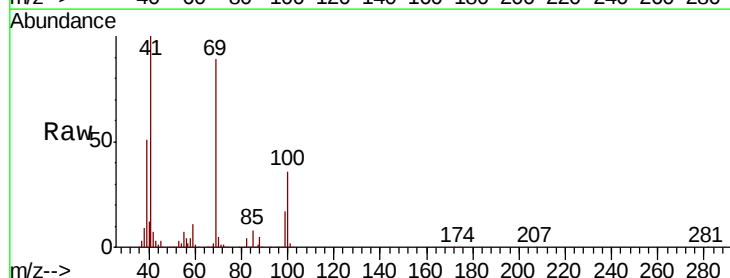
Tgt Ion: 41 Resp: 194363

Ion Ratio Lower Upper

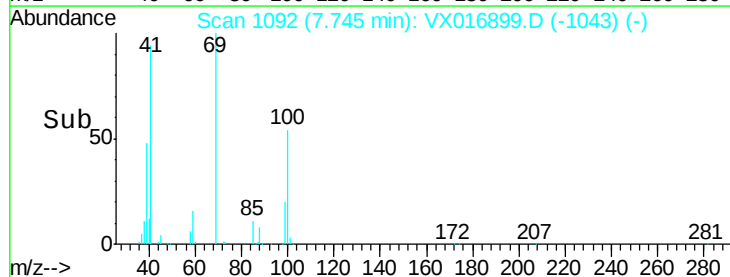
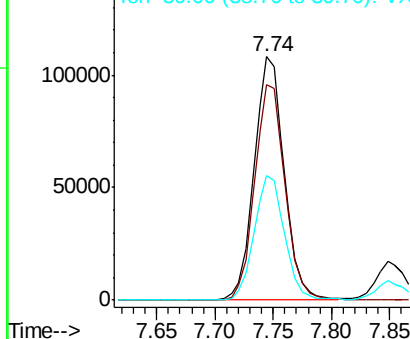
41 100

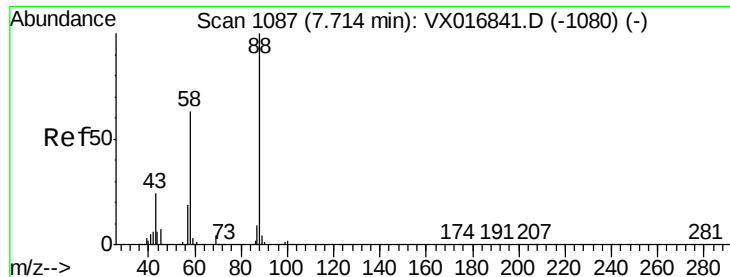
69 90.0 73.3 109.9

39 51.5 42.4 63.6



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





#49

1,4-Dioxane

Concen: 1267.759 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

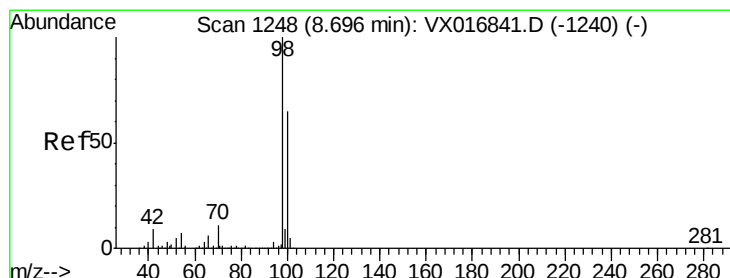
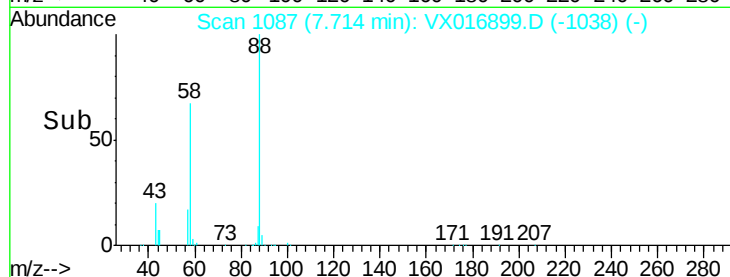
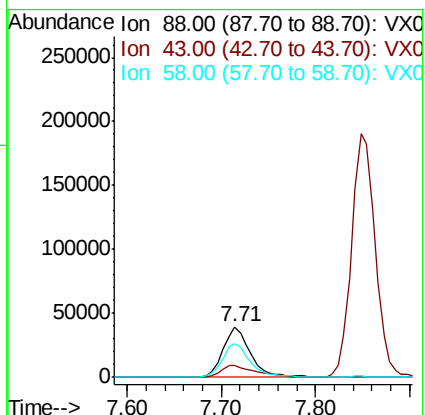
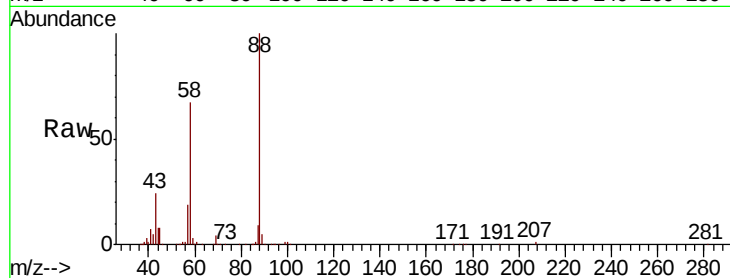
Tot Ion: 88 Resp: 79888

Ion Ratio Lower Upper

88 100

43 28.8 22.7 34.1

58 69.7 53.1 79.7



#50

Toluene-d8

Concen: 48.685 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016899.D

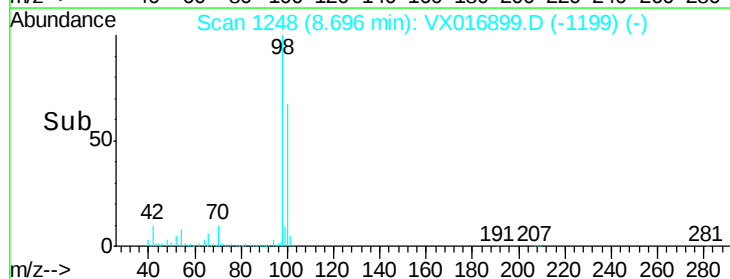
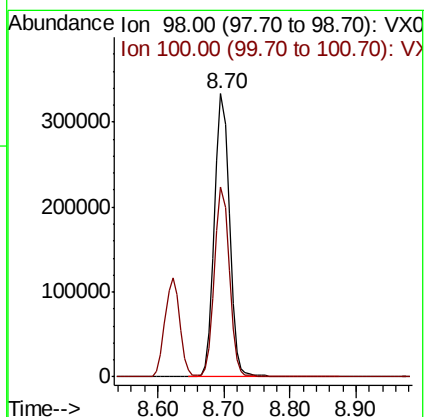
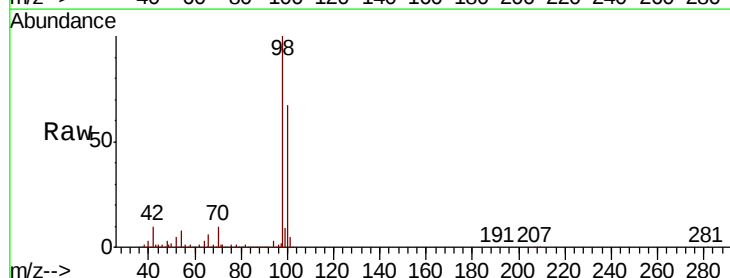
Acq: 19 Jun 2020 23:26

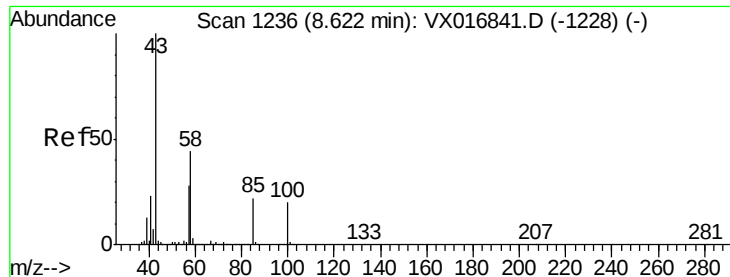
Tgt Ion: 98 Resp: 522857

Ion Ratio Lower Upper

98 100

100 66.7 54.0 81.0

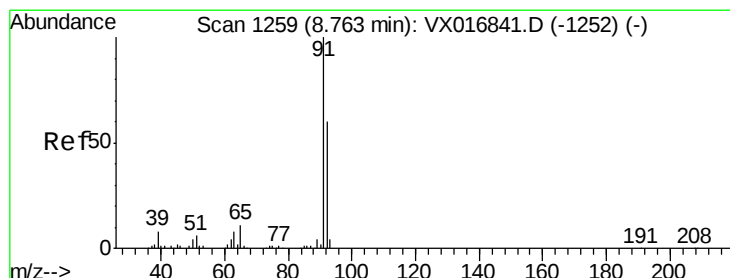
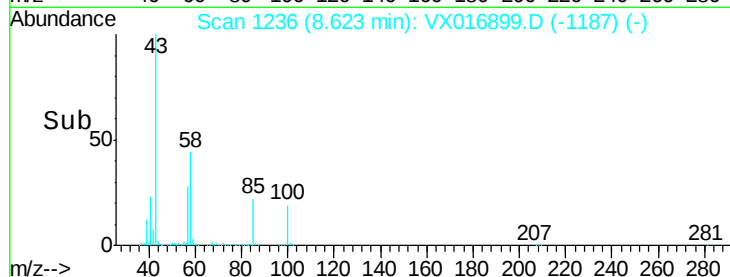
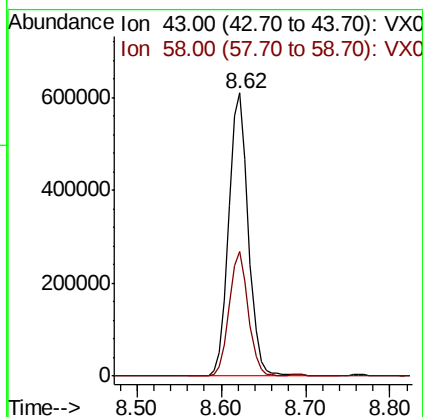
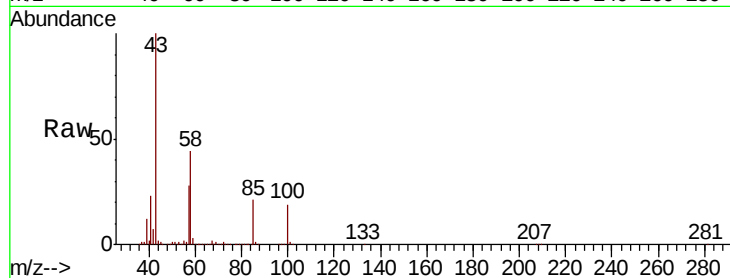




#51
4-Methyl-2-Pentanone
Concen: 269.501 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

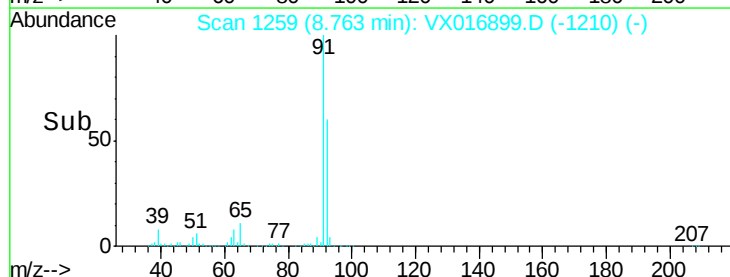
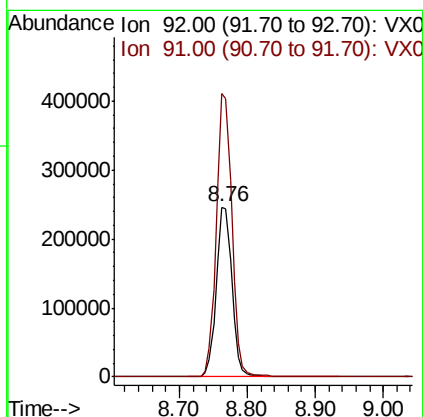
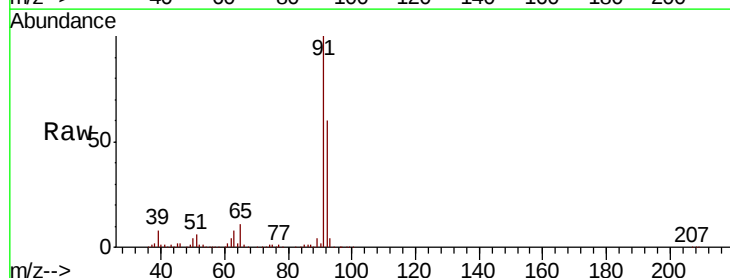
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

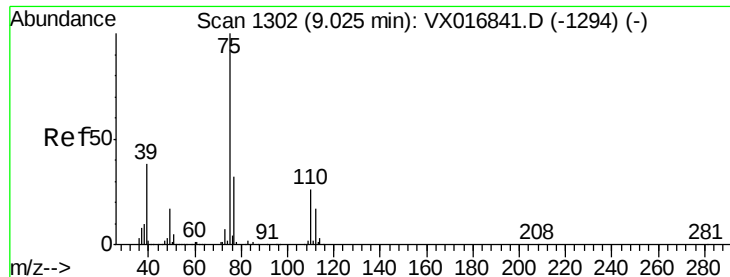
Tot Ion: 43 Resp: 969026
Ion Ratio Lower Upper
43 100
58 43.1 34.3 51.5



#52
Toluene
Concen: 50.968 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion: 92 Resp: 393084
Ion Ratio Lower Upper
92 100
91 166.4 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 49.561 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

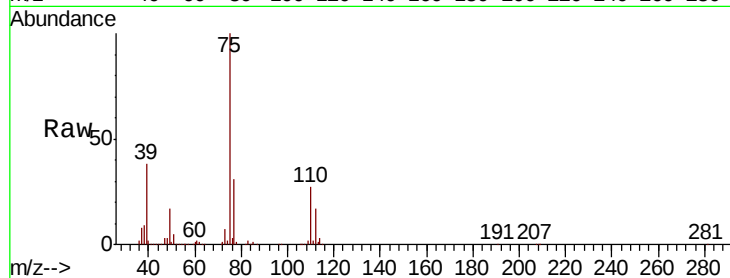
VSTDCCC050

Tot Ion: 75 Resp: 229672

Ion Ratio Lower Upper

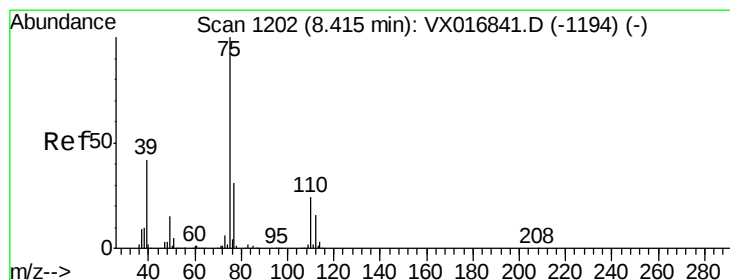
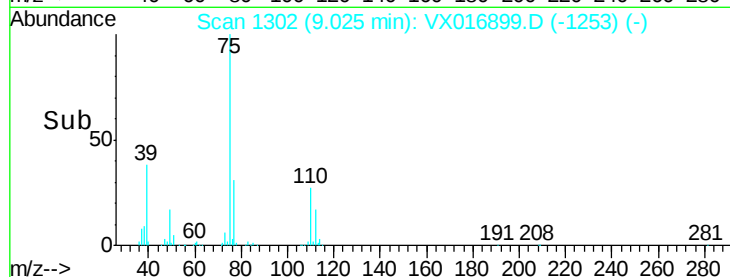
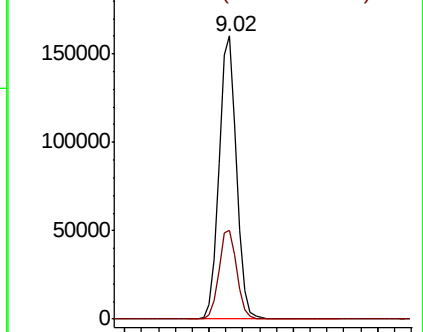
75 100

77 31.4 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 57.078 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

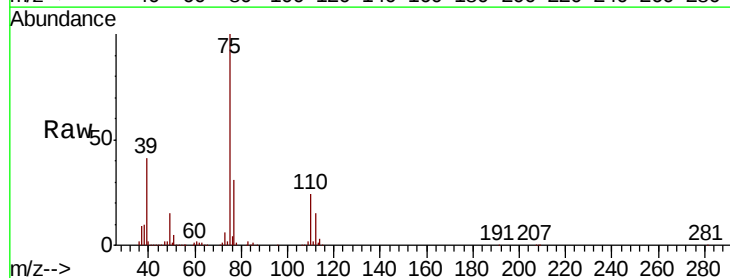
Tgt Ion: 75 Resp: 282973

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3

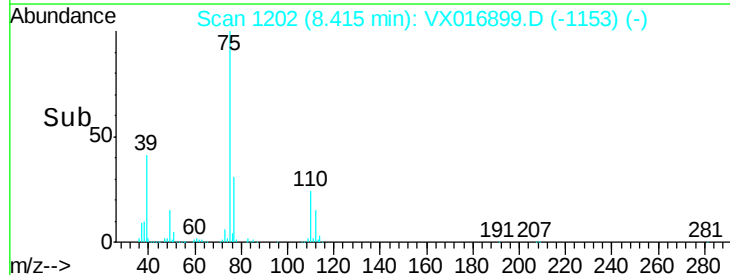
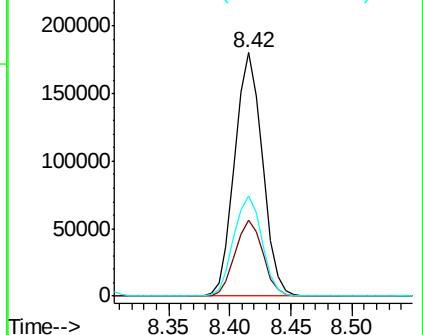
39 40.9 33.4 50.0

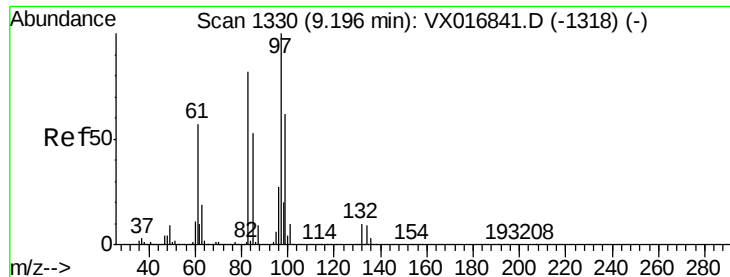


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 50.992 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 148484

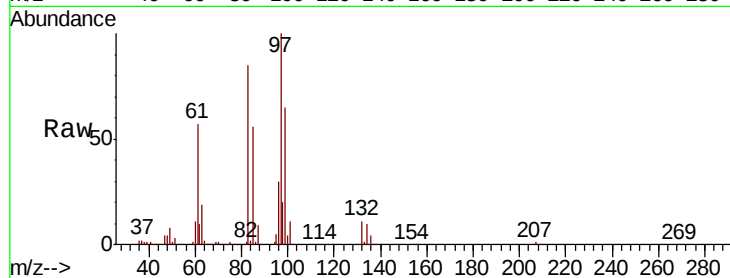
Ion Ratio Lower Upper

97 100

83 84.9 65.5 98.3

85 55.5 42.6 63.8

99 64.7 49.4 74.0

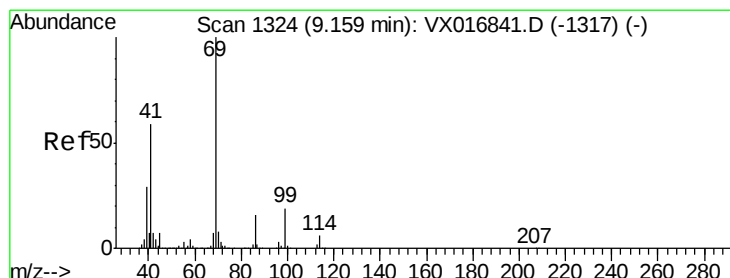
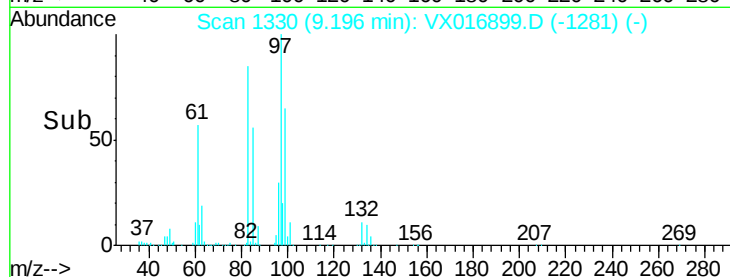
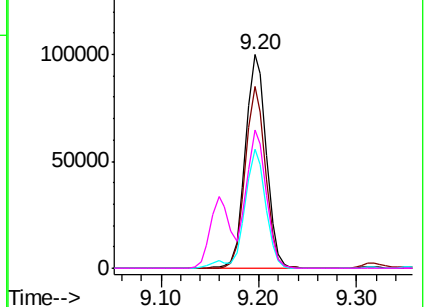


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 54.308 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

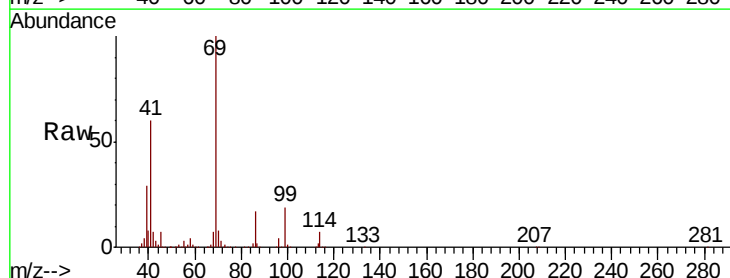
Tgt Ion: 69 Resp: 228931

Ion Ratio Lower Upper

69 100

41 59.3 47.9 71.9

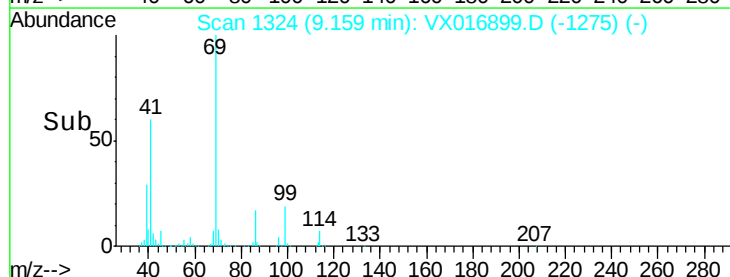
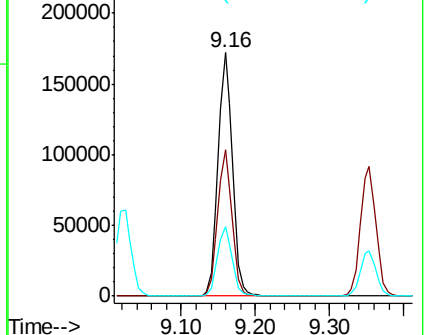
39 28.7 24.2 36.4

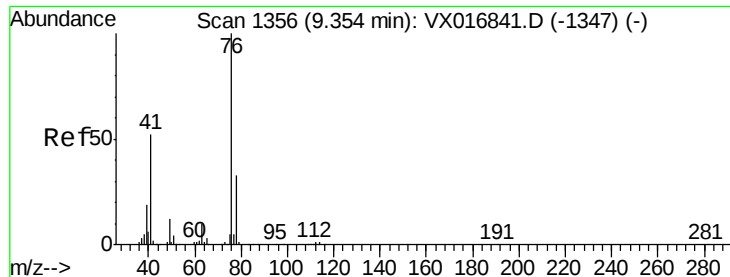


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 49.930 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

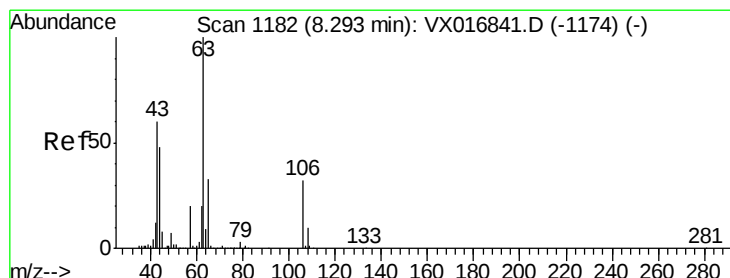
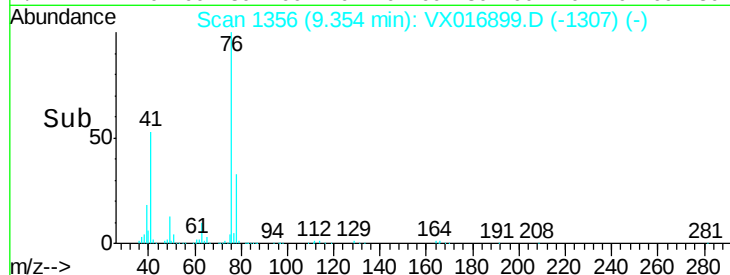
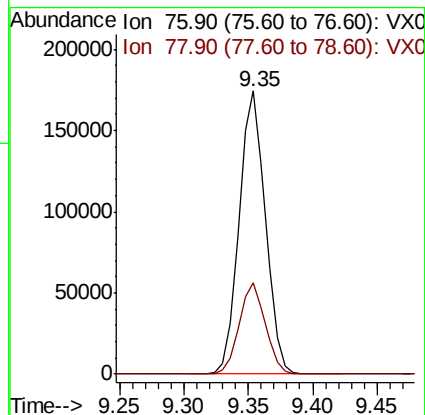
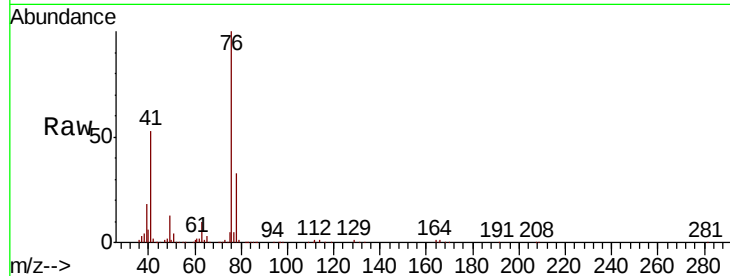
VSTDCCC050

Tot Ion: 76 Resp: 246475

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 329.207 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX016899.D

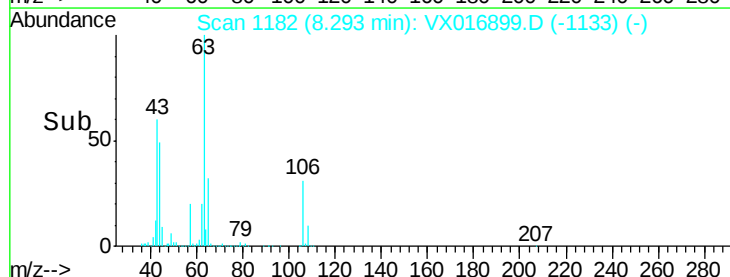
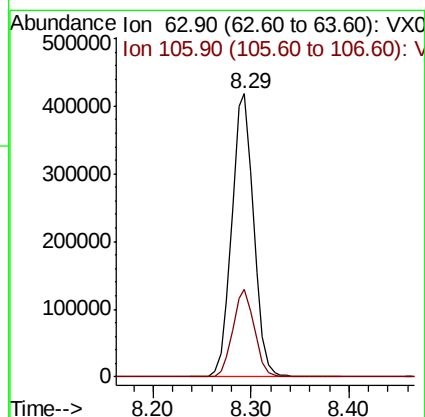
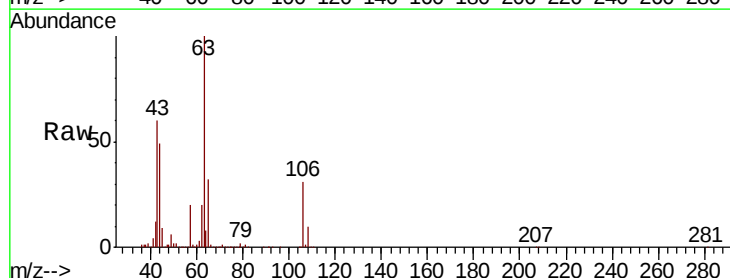
Acq: 19 Jun 2020 23:26

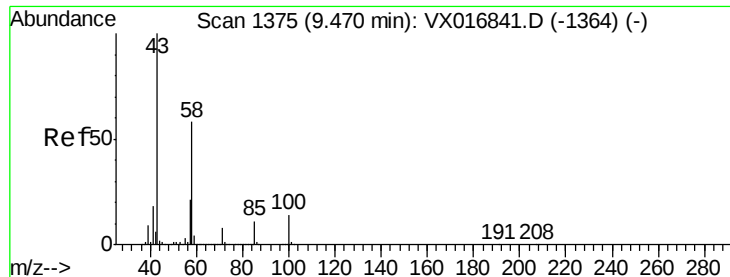
Tgt Ion: 63 Resp: 645728

Ion Ratio Lower Upper

63 100

106 30.5 25.8 38.6

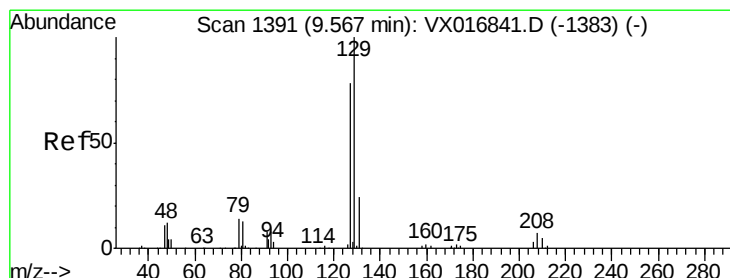
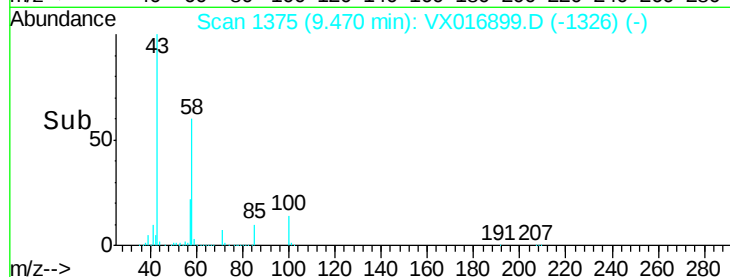
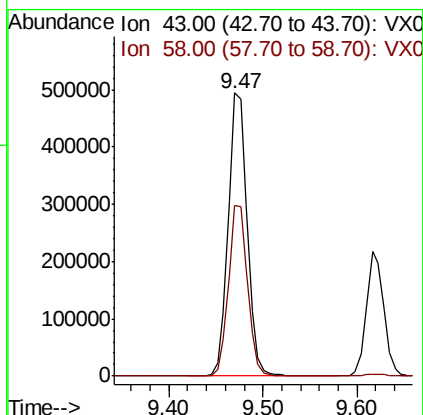
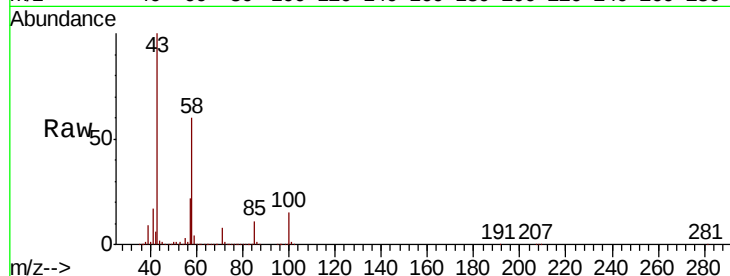




#59
2-Hexanone
Concen: 266.059 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

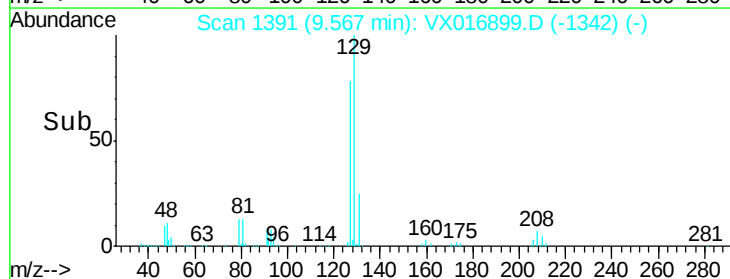
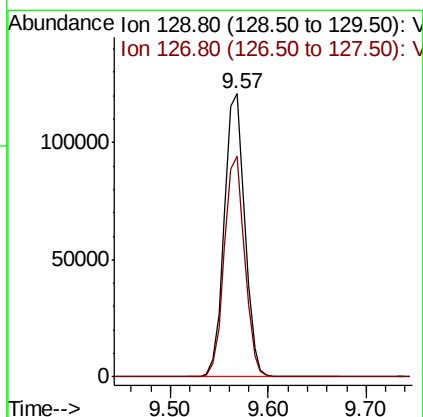
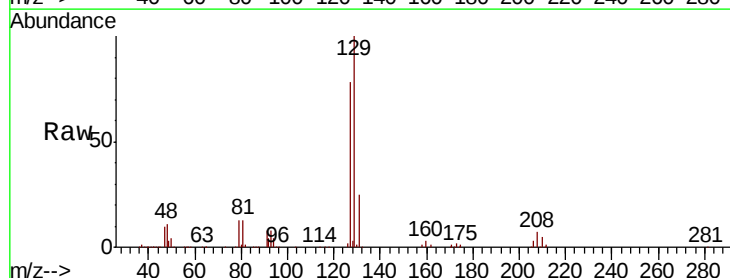
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

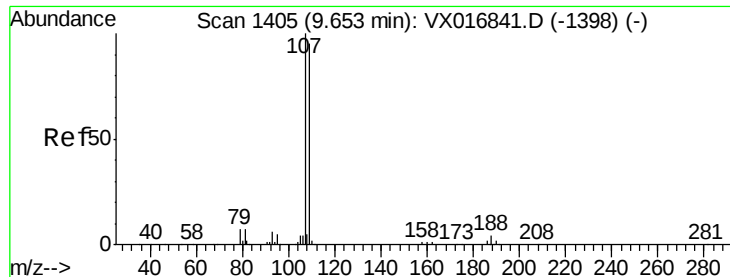
Tot Ion: 43 Resp: 692773
Ion Ratio Lower Upper
43 100
58 60.5 29.8 89.4



#60
Dibromochloromethane
Concen: 50.466 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion: 129 Resp: 176289
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.801 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

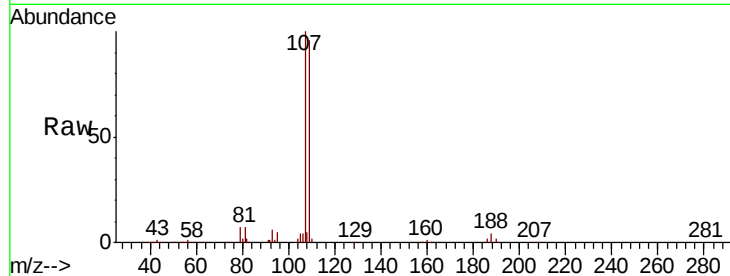
VSTDCCC050

Tot Ion:107 Resp: 157374

Ion Ratio Lower Upper

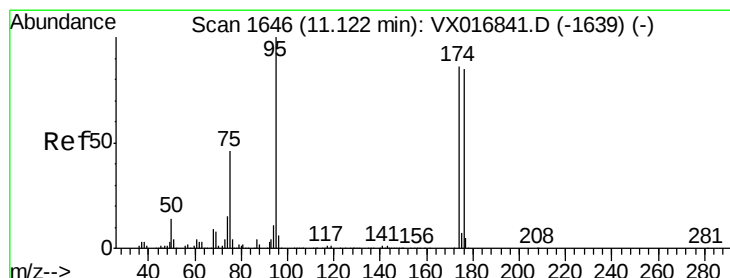
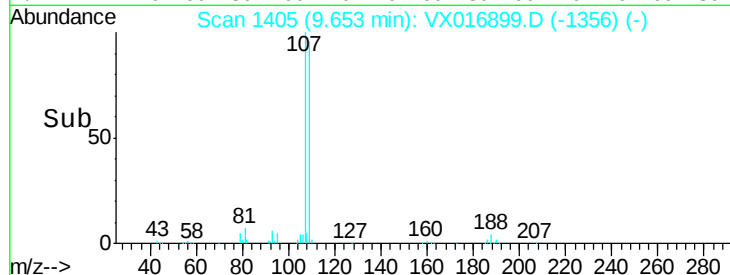
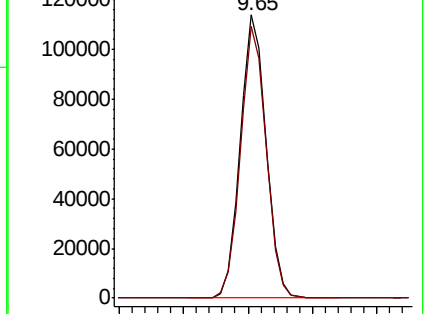
107 100

109 95.4 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 58.543 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

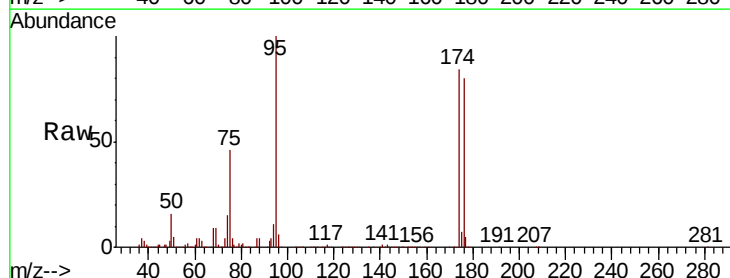
Tgt Ion: 95 Resp: 240895

Ion Ratio Lower Upper

95 100

174 82.7 0.0 174.2

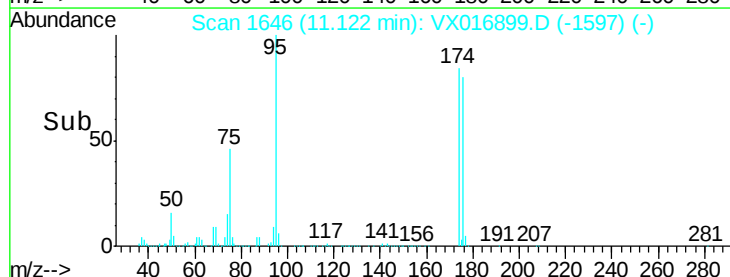
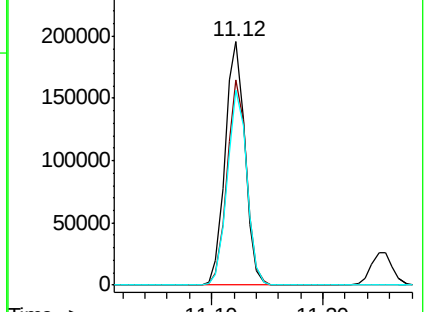
176 79.2 0.0 170.0

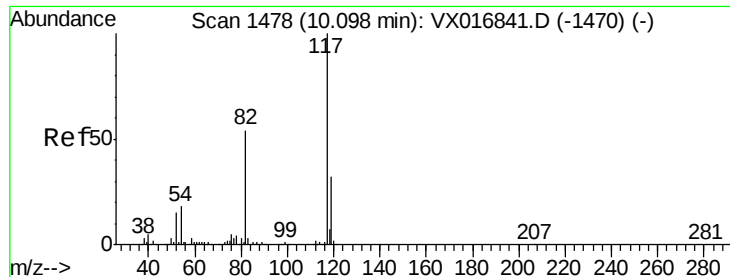


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

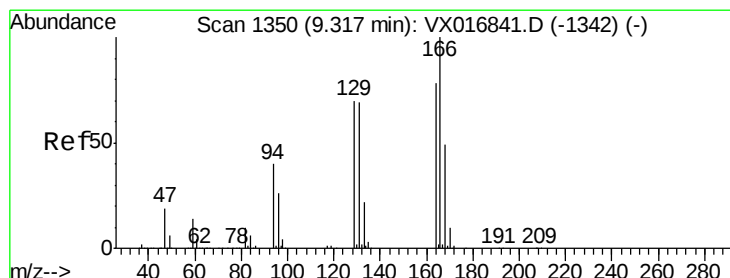
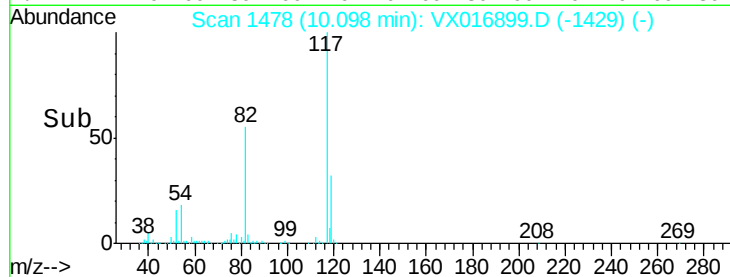
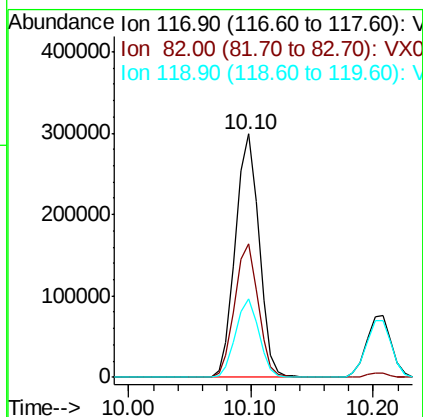
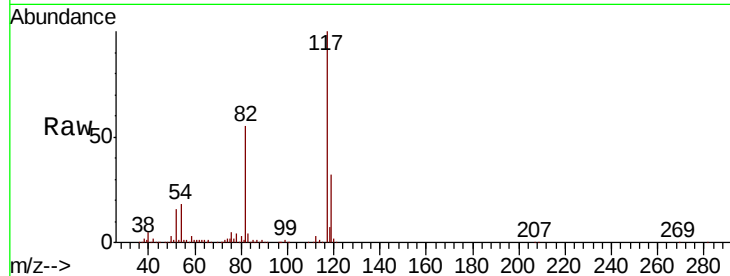




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

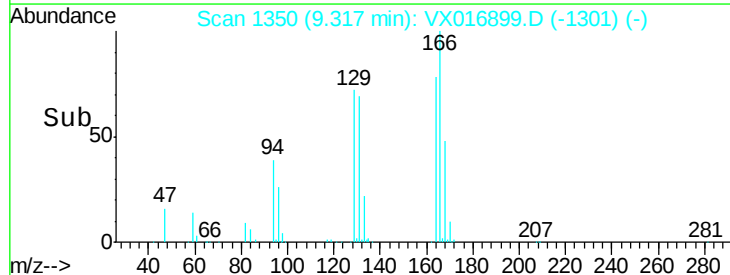
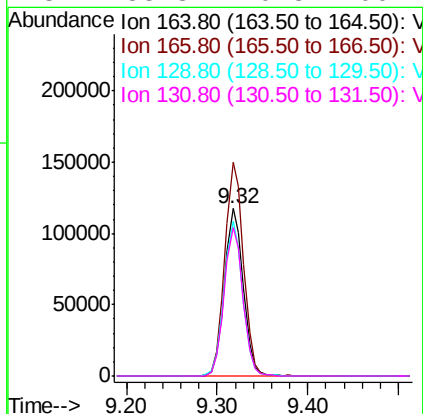
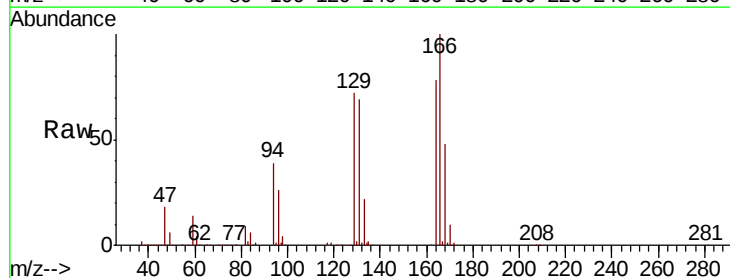
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

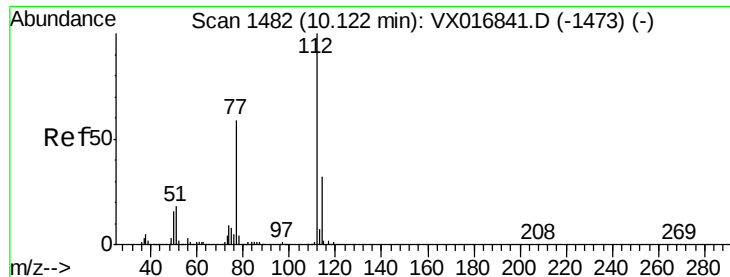
Tot Ion:117 Resp: 400873
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.0 25.7 38.5



#64
Tetrachloroethene
Concen: 45.381 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion:164 Resp: 168462
Ion Ratio Lower Upper
164 100
166 127.5 102.6 153.8
129 92.3 72.2 108.2
131 88.3 70.8 106.2

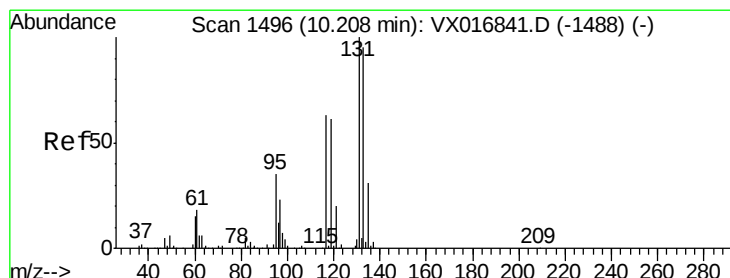
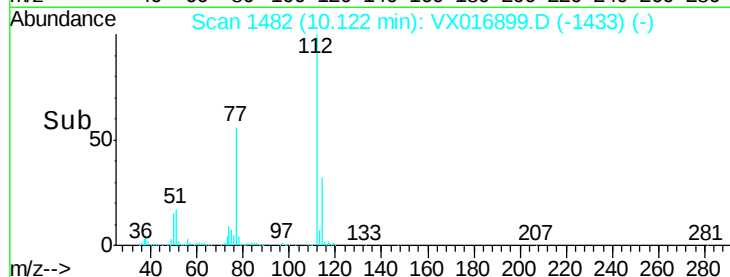
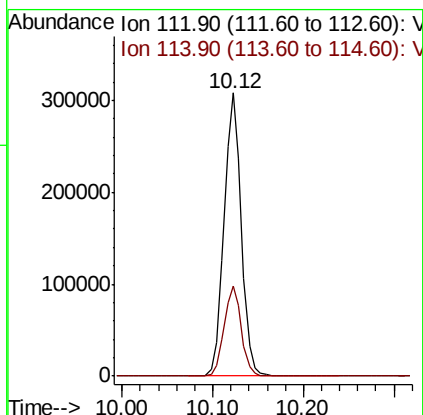
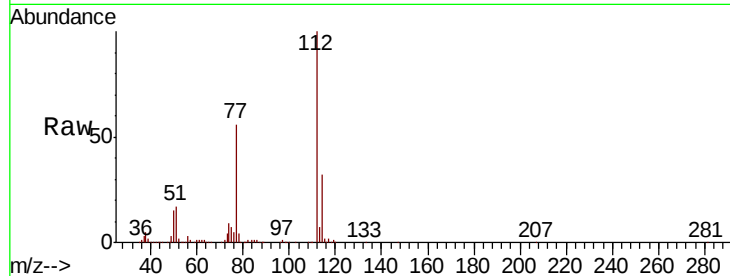




#65
Chlorobenzene
Concen: 50.570 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

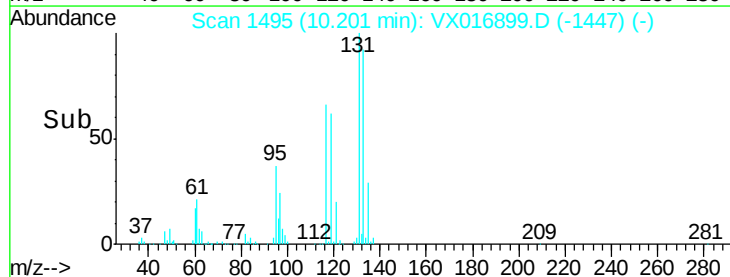
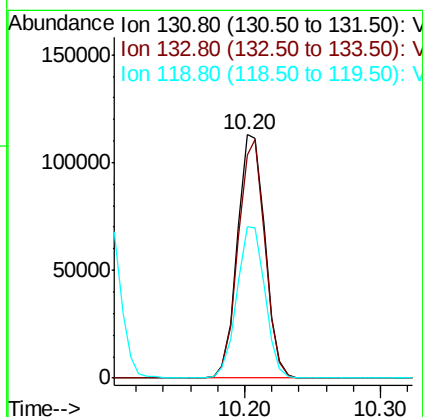
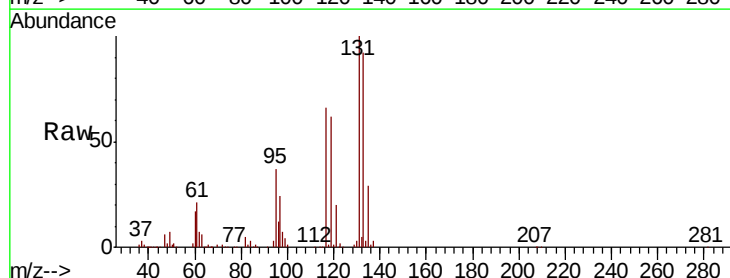
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

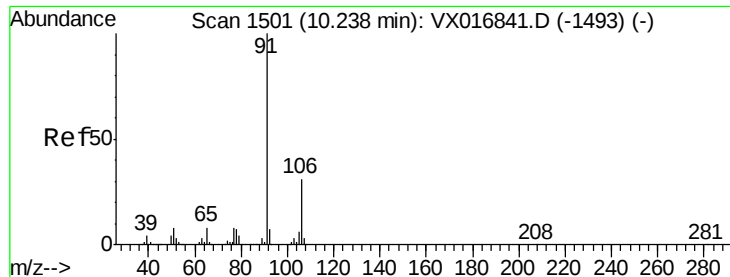
Tot Ion:112 Resp: 410514
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 50.792 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion:131 Resp: 159795
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 62.9 30.8 92.4

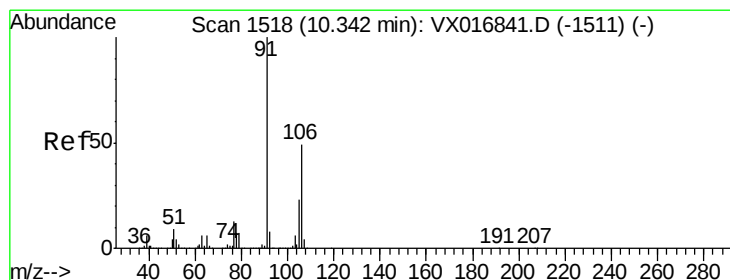
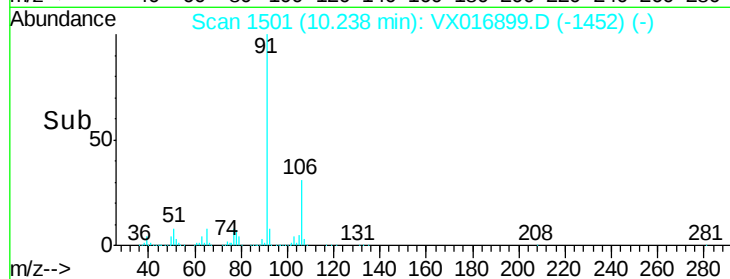
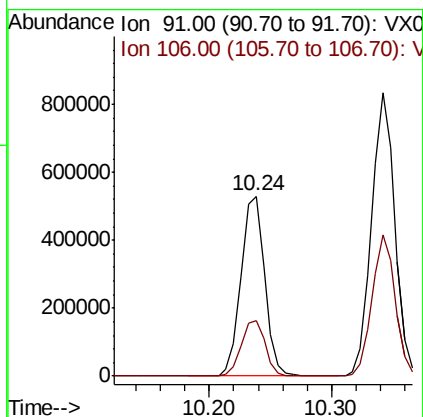
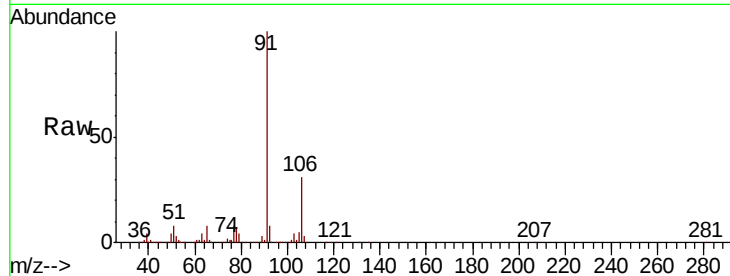




#67
Ethyl Benzene
Concen: 51.932 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

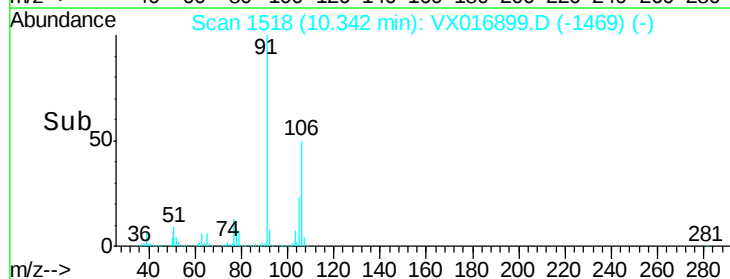
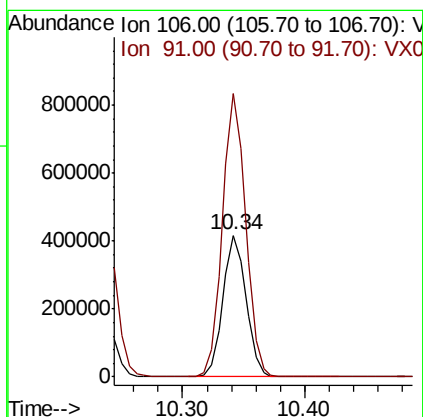
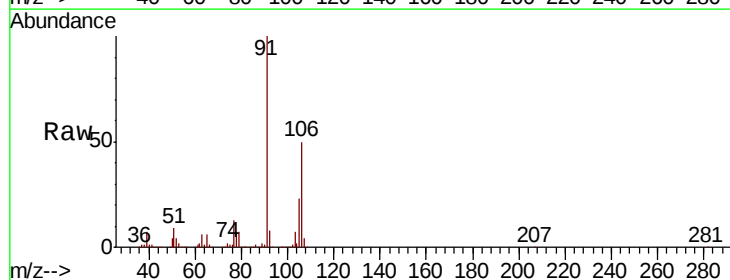
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

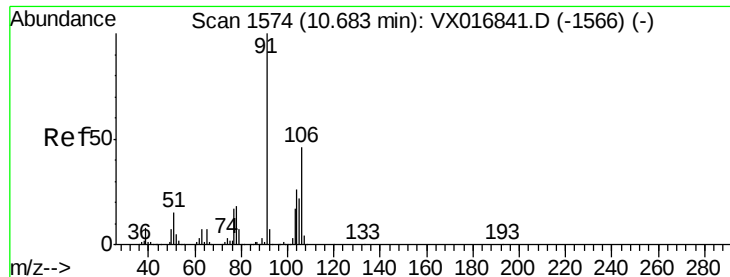
Tot Ion: 91 Resp: 711279
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7



#68
m/p-Xylenes
Concen: 102.653 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion: 106 Resp: 547109
Ion Ratio Lower Upper
106 100
91 201.4 161.5 242.3

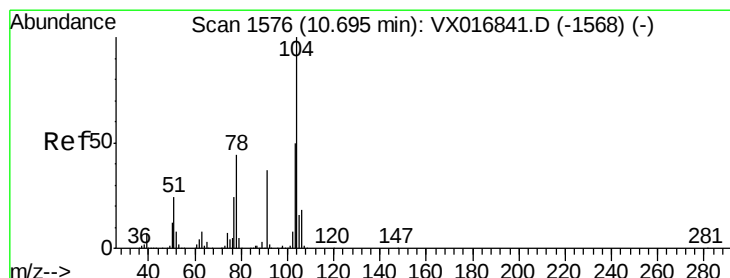
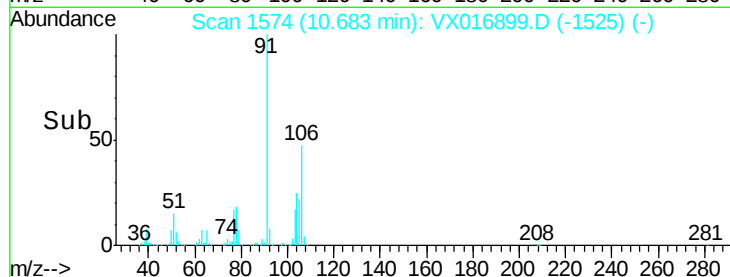
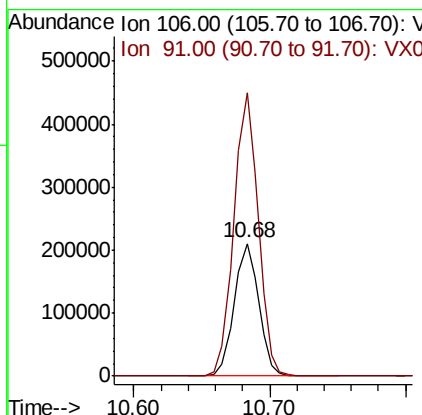
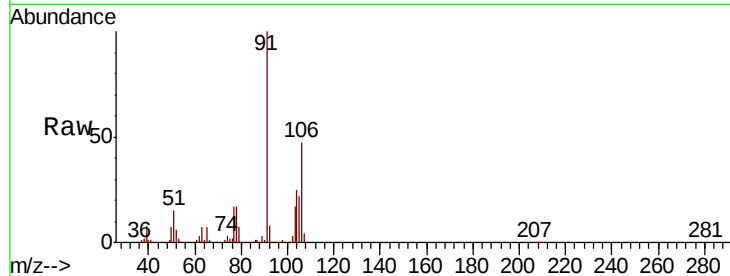




#69
o-Xylene
Concen: 53.363 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

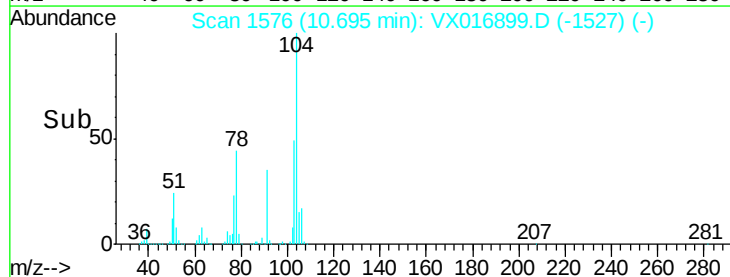
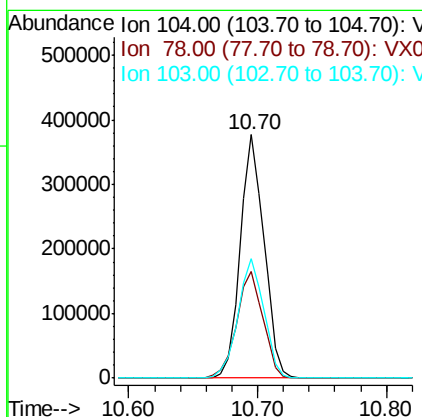
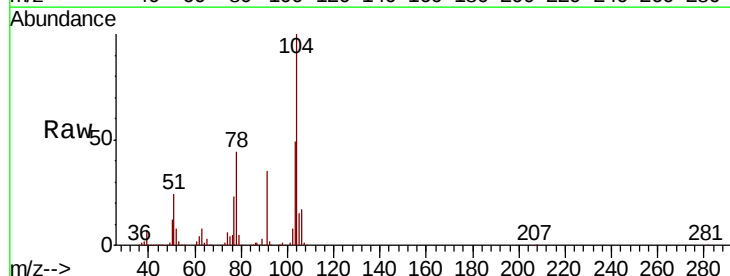
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

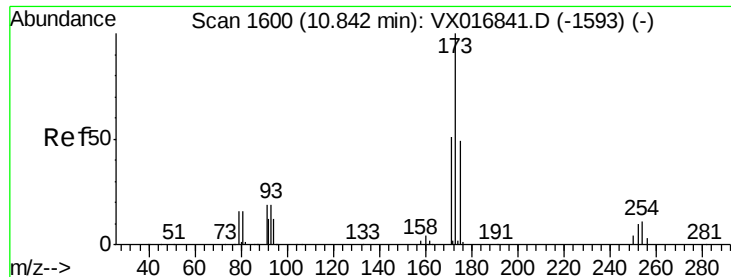
Tot Ion:106 Resp: 262979
Ion Ratio Lower Upper
106 100
91 213.3 107.9 323.7



#70
Styrene
Concen: 57.677 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion:104 Resp: 482955
Ion Ratio Lower Upper
104 100
78 48.7 39.6 59.4
103 53.8 43.3 64.9





#71

Bromoform

Concen: 60.605 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

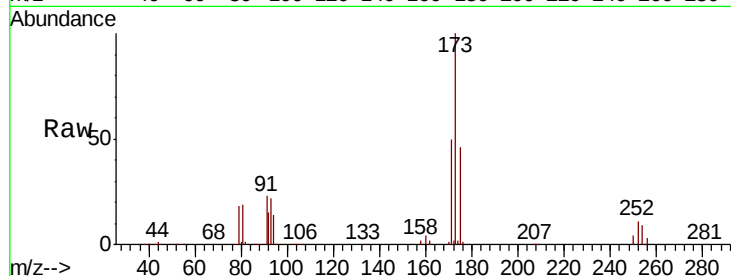
Tot Ion:173 Resp: 160303

Ion Ratio Lower Upper

173 100

175 47.9 24.3 73.0

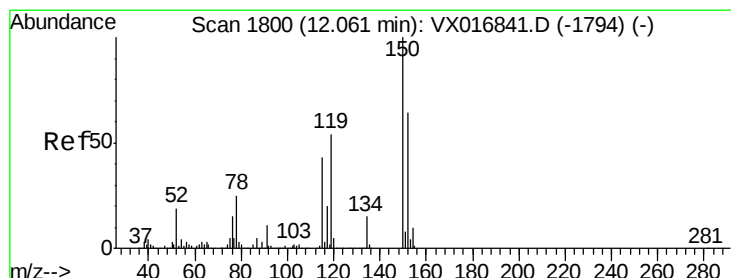
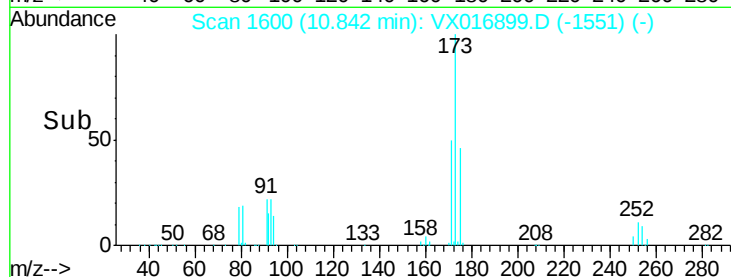
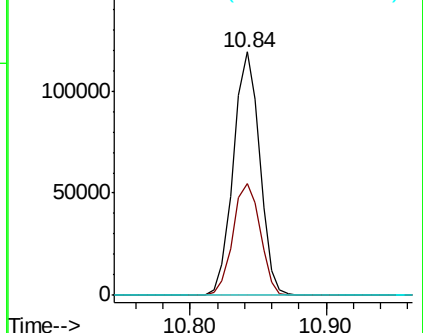
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

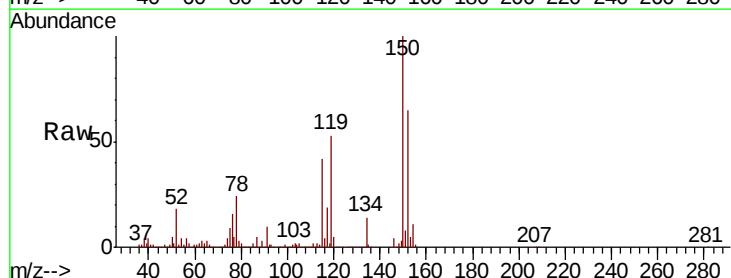
Tgt Ion:152 Resp: 211287

Ion Ratio Lower Upper

152 100

115 77.8 40.9 122.8

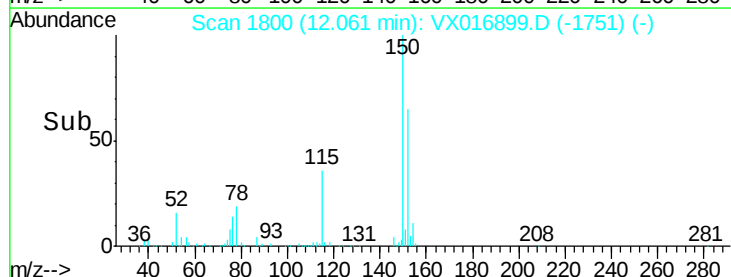
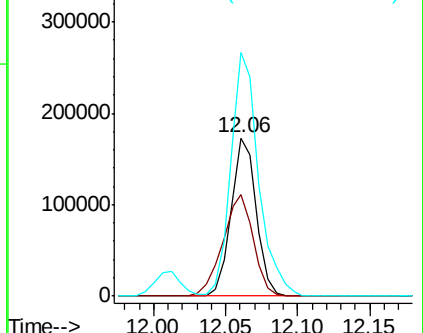
150 170.3 0.0 344.2

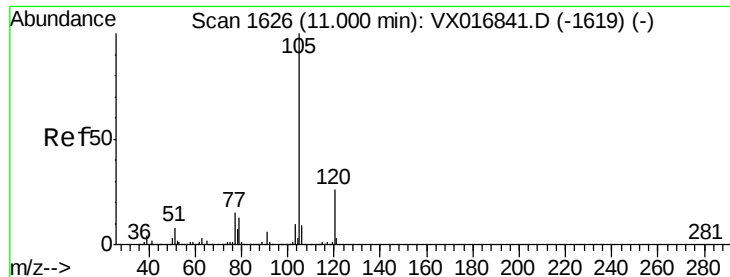


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 60.166 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

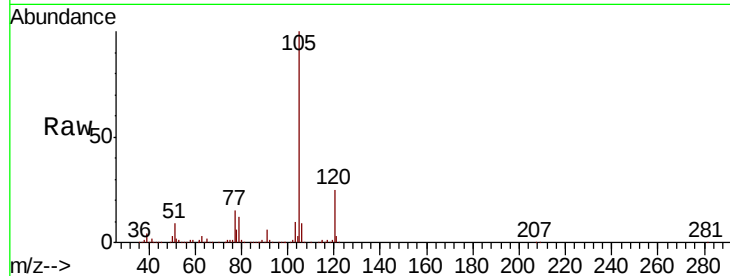
VSTDCCC050

Tot Ion:105 Resp: 818492

Ion Ratio Lower Upper

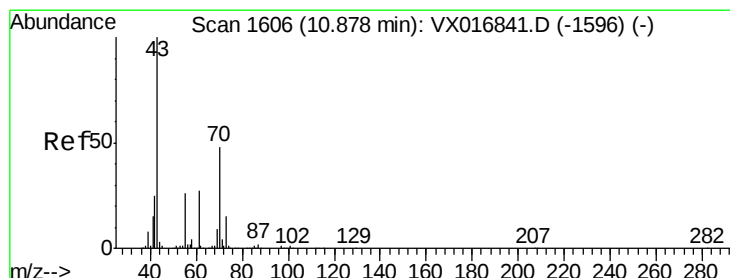
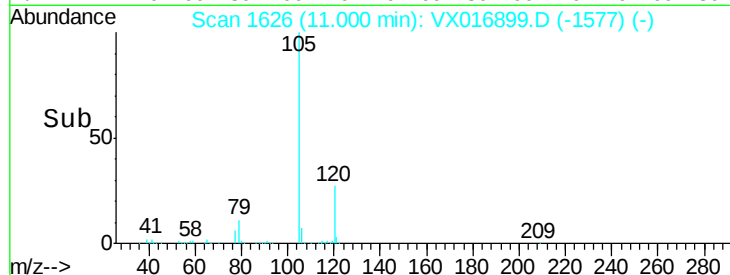
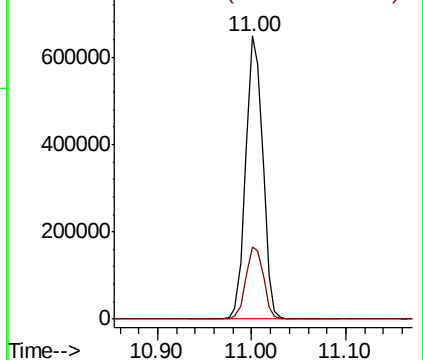
105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 73.115 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Tgt Ion: 43 Resp: 347319

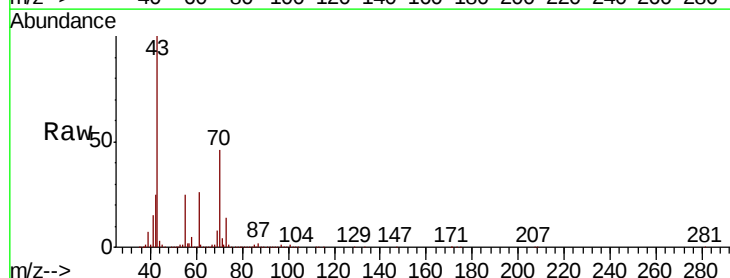
Ion Ratio Lower Upper

43 100

70 47.4 39.9 59.9

55 25.6 21.8 32.6

61 26.5 22.2 33.4

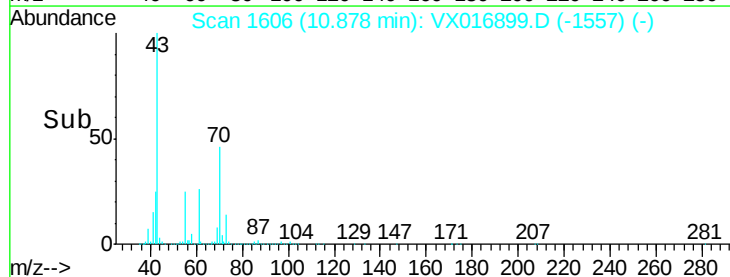
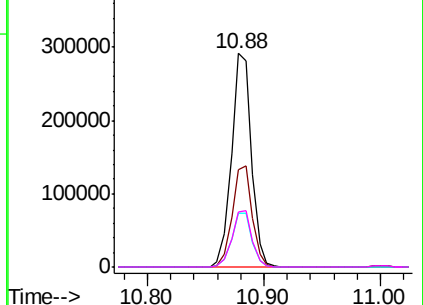


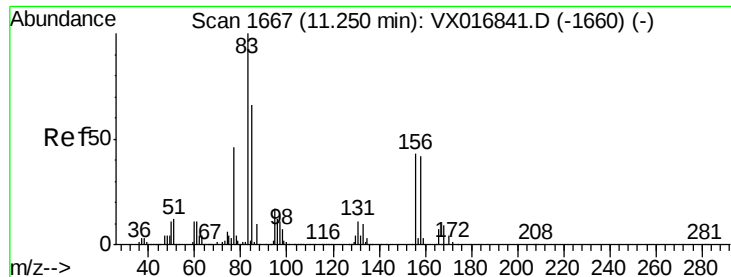
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 60.964 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

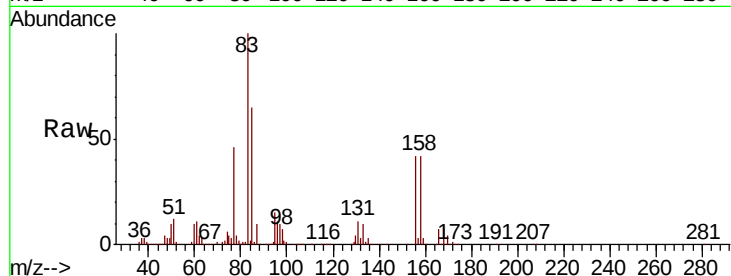
Tot Ion: 83 Resp: 234180

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.1

85 63.7 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.25

200000

150000

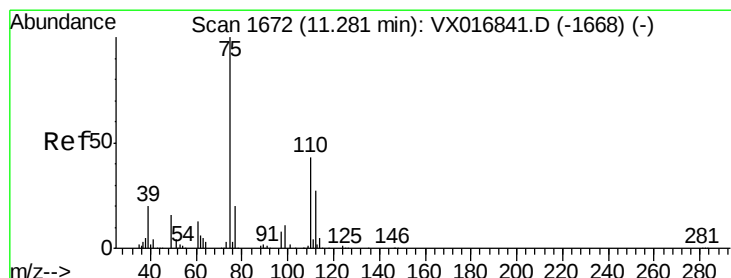
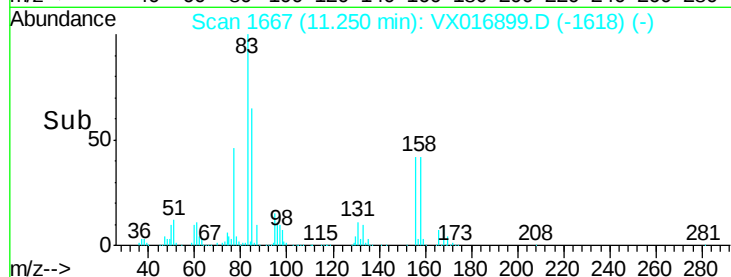
100000

50000

0

Time-->

11.20 11.30



#76

1,2,3-Trichloropropane

Concen: 75.138 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX016899.D

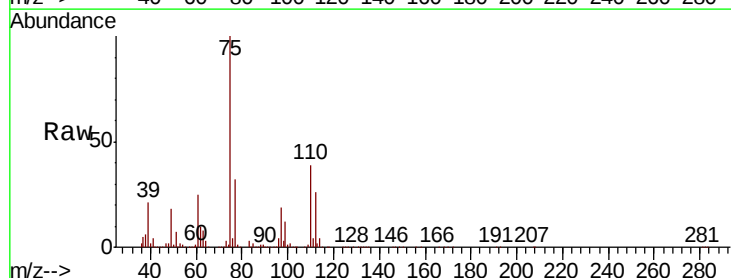
Acq: 19 Jun 2020 23:26

Tgt Ion: 75 Resp: 289944

Ion Ratio Lower Upper

75 100

77 32.4 20.5 61.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

300000

250000

200000

150000

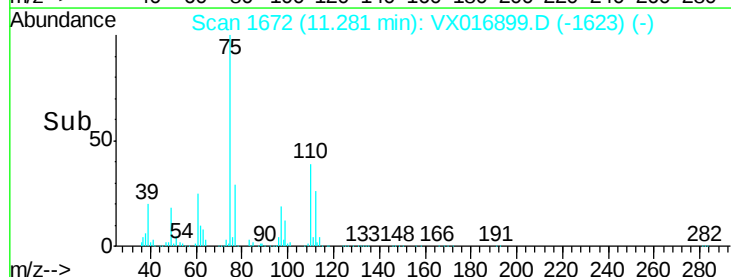
100000

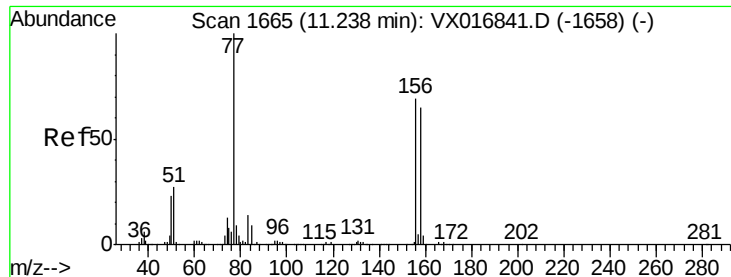
50000

0

Time-->

11.25 11.30 11.35





#77

Bromobenzene

Concen: 59.403 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

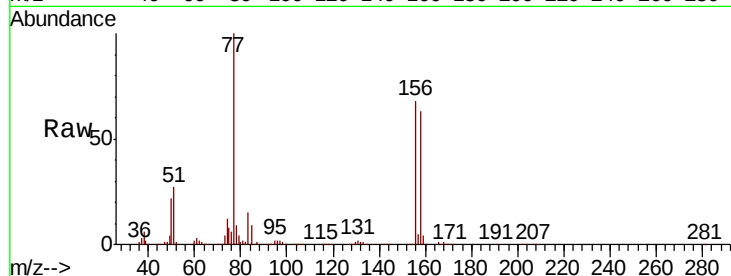
Tot Ion:156 Resp: 220390

Ion Ratio Lower Upper

156 100

77 148.1 73.4 220.2

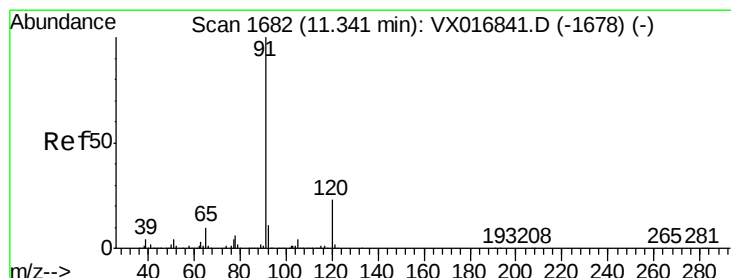
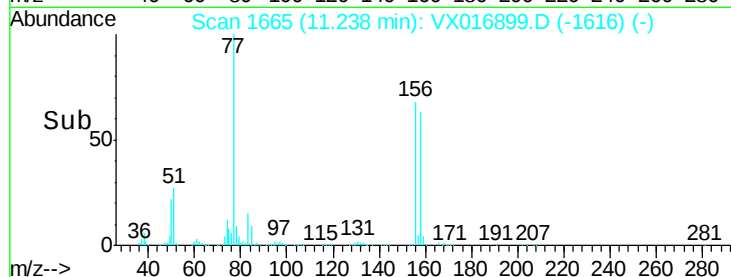
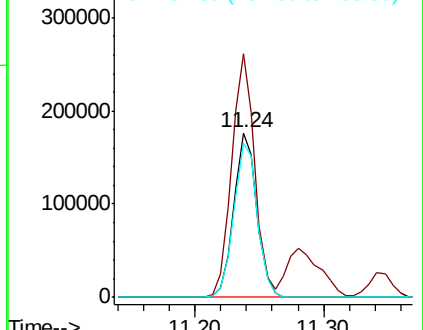
158 96.0 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.577 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX016899.D

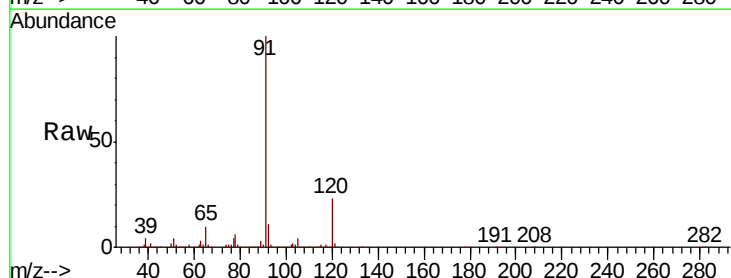
Acq: 19 Jun 2020 23:26

Tgt Ion: 91 Resp: 843784

Ion Ratio Lower Upper

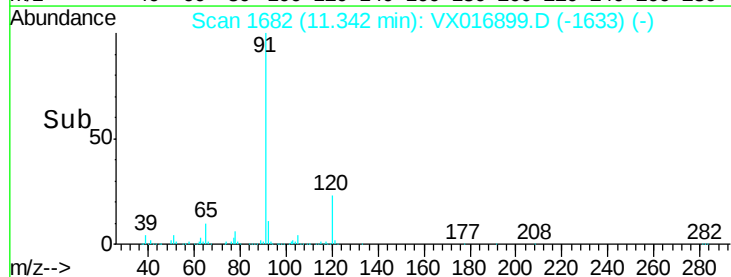
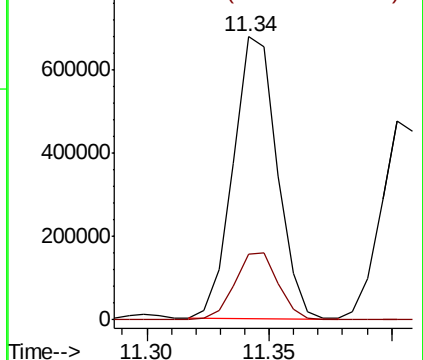
91 100

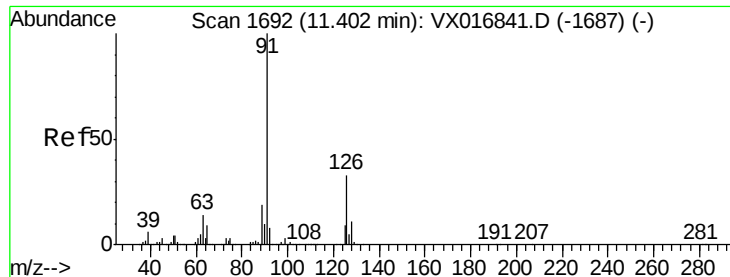
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 64.820 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

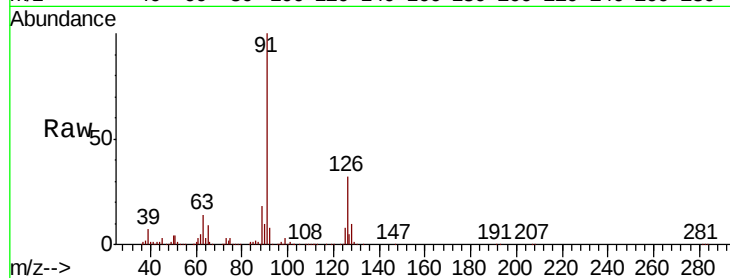
VSTDCCC050

Tot Ion: 91 Resp: 602116

Ion Ratio Lower Upper

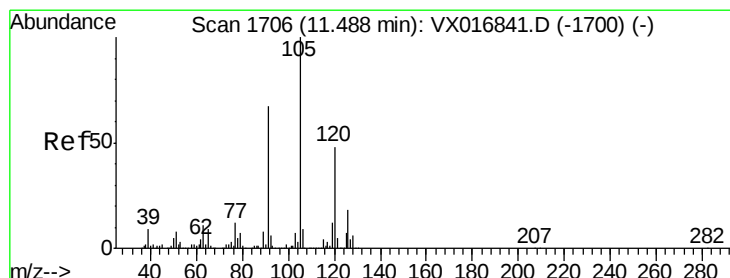
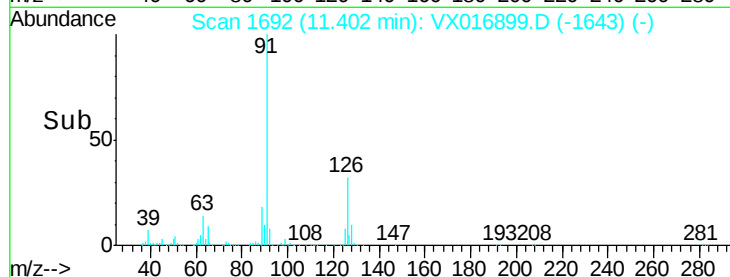
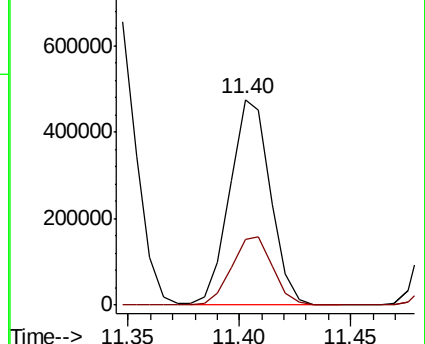
91 100

126 33.9 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 59.631 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016899.D

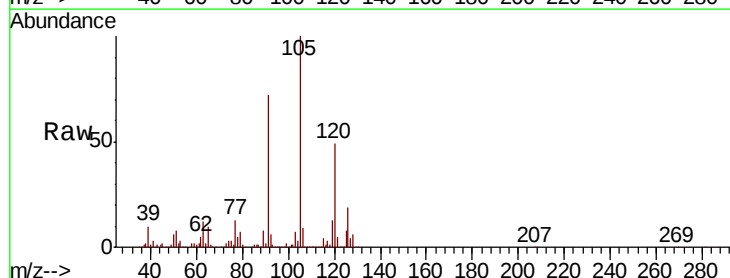
Acq: 19 Jun 2020 23:26

Tgt Ion:105 Resp: 699913

Ion Ratio Lower Upper

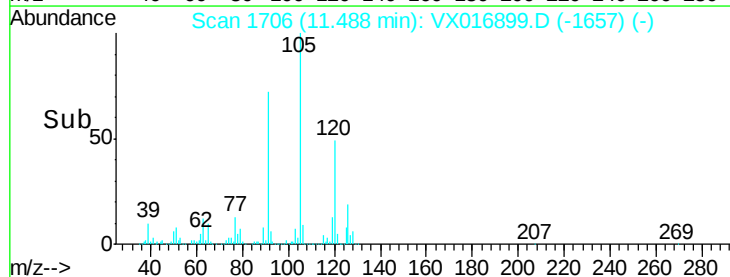
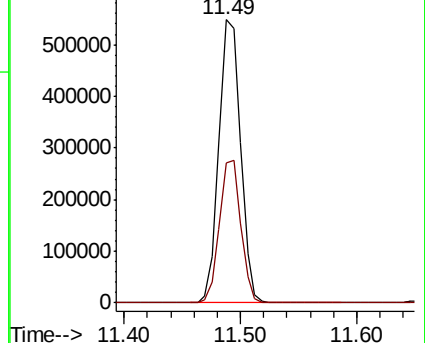
105 100

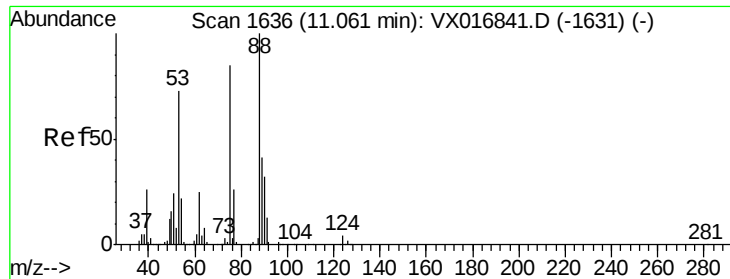
120 49.8 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.528 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

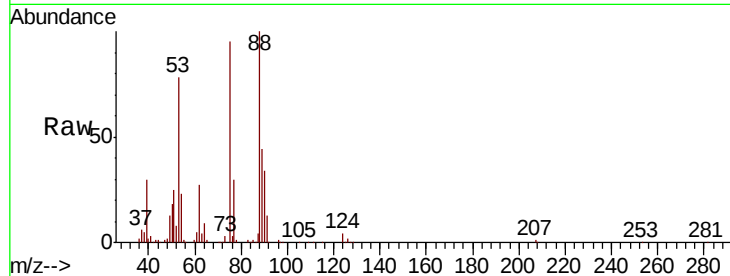
Tot Ion: 75 Resp: 84348

Ion Ratio Lower Upper

75 100

53 84.3 69.8 104.8

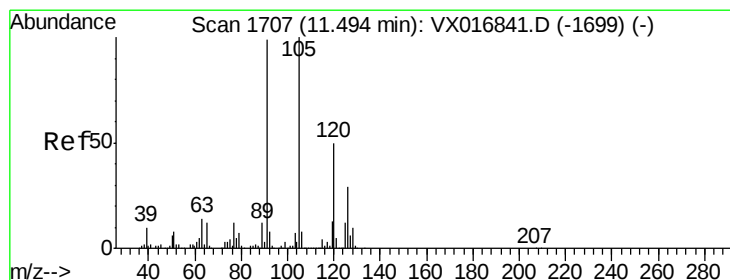
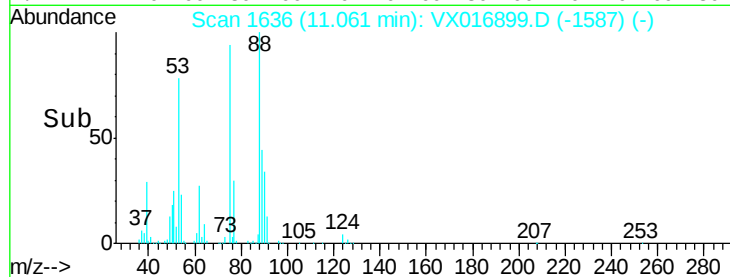
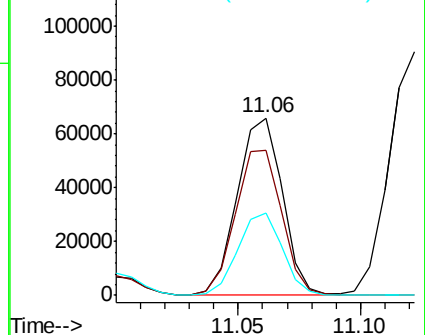
89 46.0 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 59.559 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016899.D

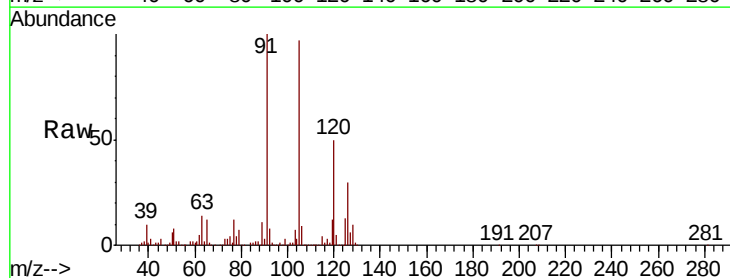
Acq: 19 Jun 2020 23:26

Tgt Ion: 91 Resp: 663725

Ion Ratio Lower Upper

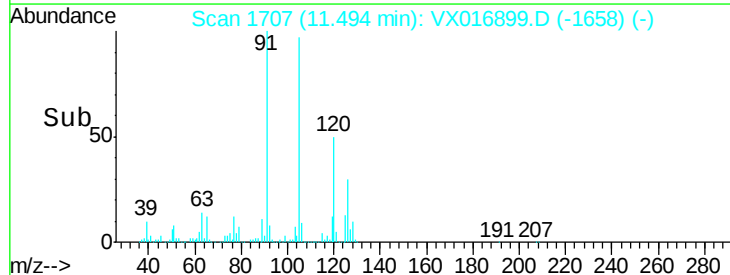
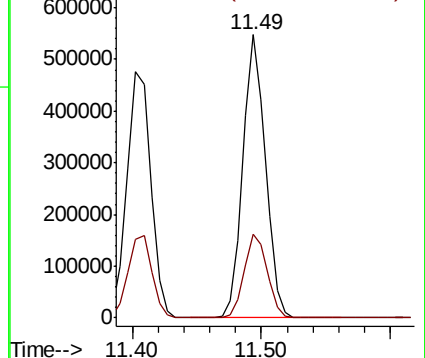
91 100

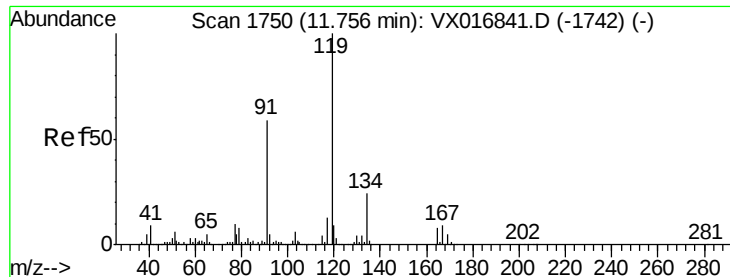
126 30.1 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

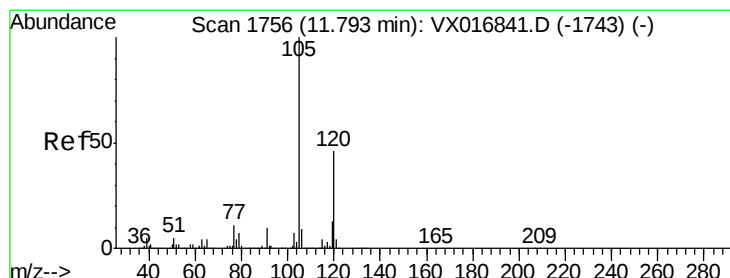
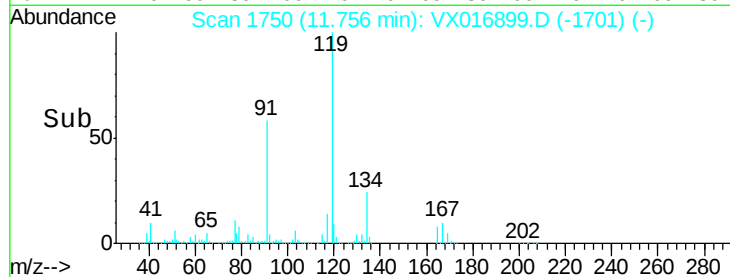
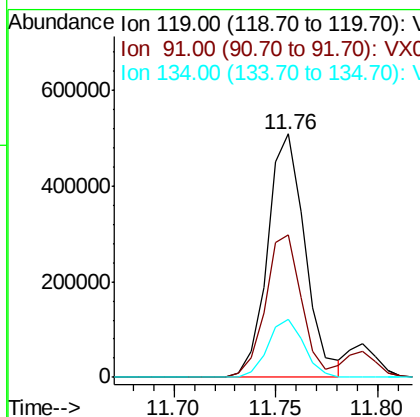
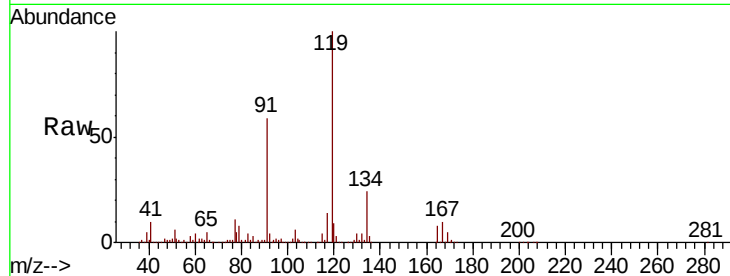




#83
tert-Butylbenzene
Concen: 56.178 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

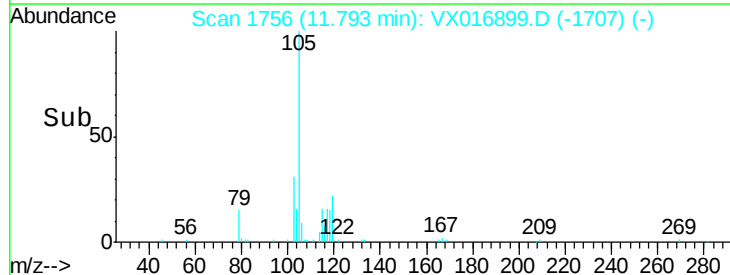
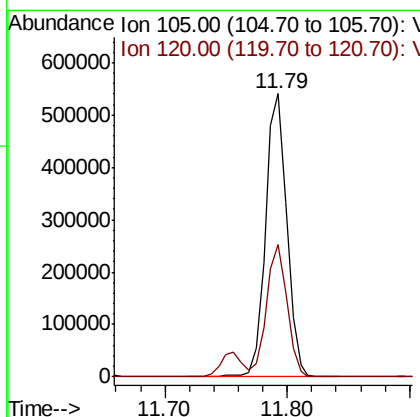
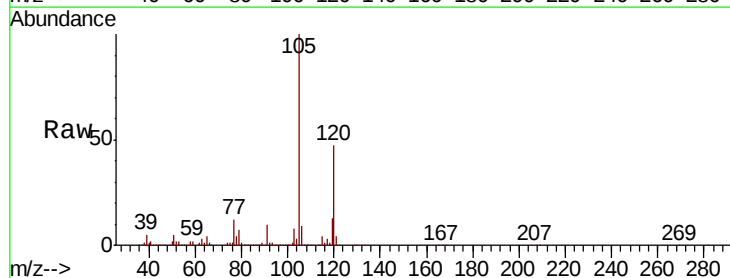
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

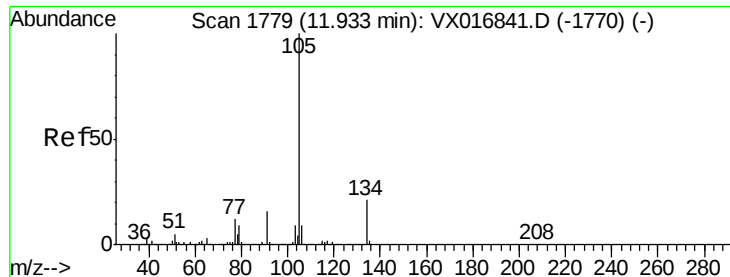
Tot Ion:119 Resp: 652408
Ion Ratio Lower Upper
119 100
91 56.1 28.5 85.5
134 23.0 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 54.111 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion:105 Resp: 654240
Ion Ratio Lower Upper
105 100
120 45.3 22.3 66.9





#85

sec-Butylbenzene

Concen: 50.982 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

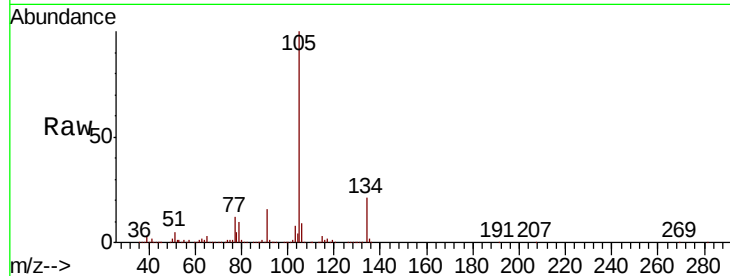
VSTDCCC050

Tot Ion:105 Resp: 687618

Ion Ratio Lower Upper

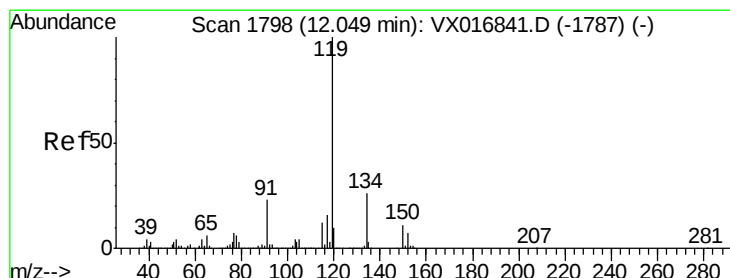
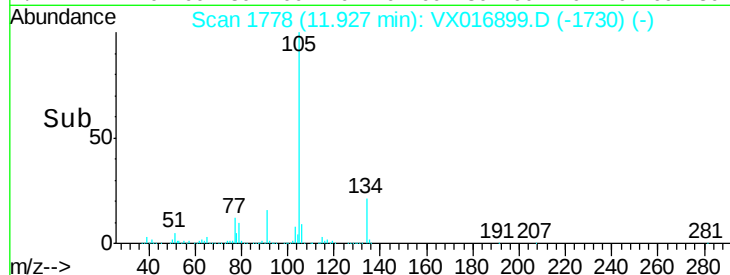
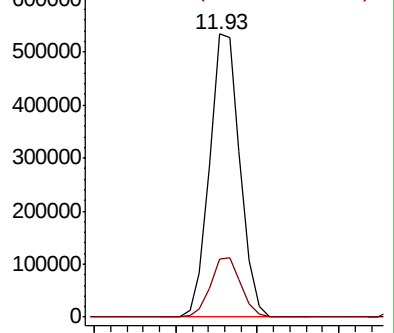
105 100

134 21.0 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.539 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

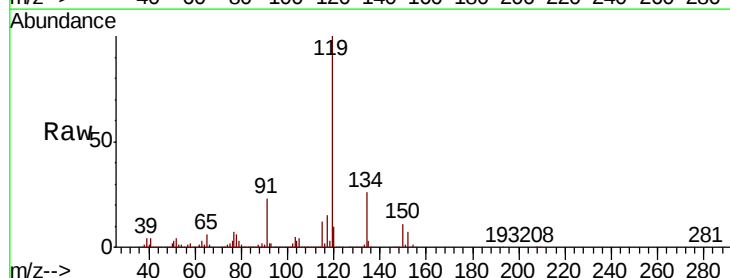
Tgt Ion:119 Resp: 624550

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

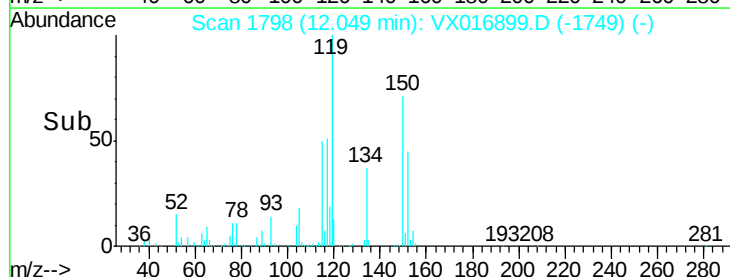
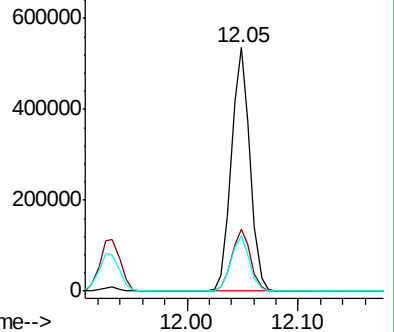
91 22.5 11.6 34.8

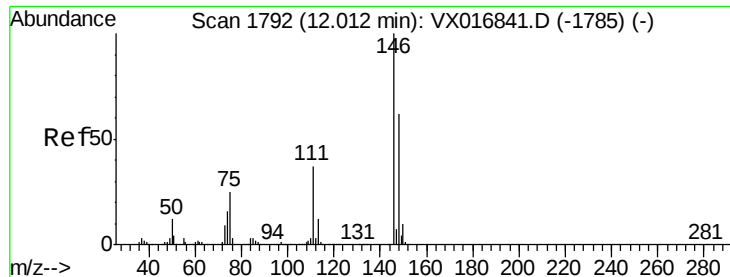


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

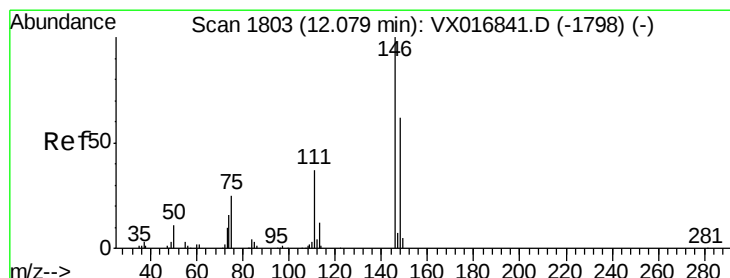
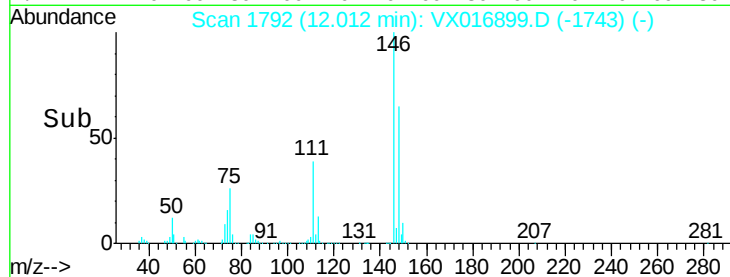
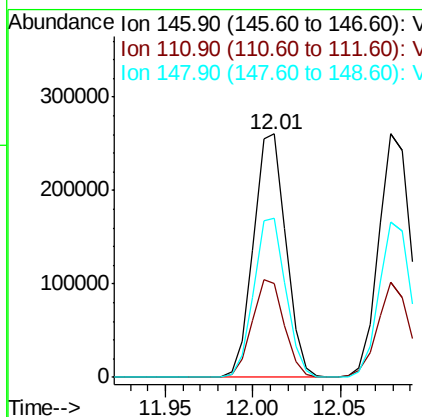
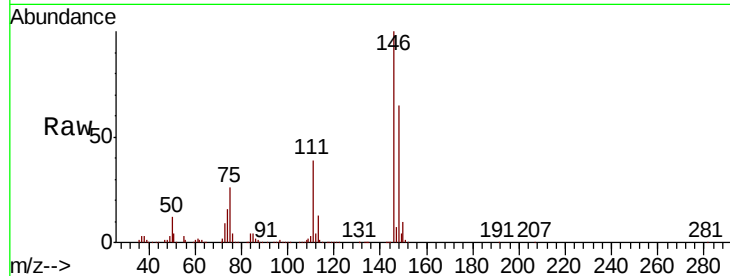




#87
 1,3-Dichlorobenzene
 Concen: 49.672 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016899.D
 Acq: 19 Jun 2020 23:26

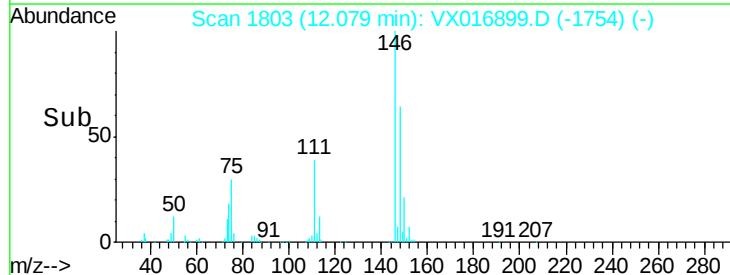
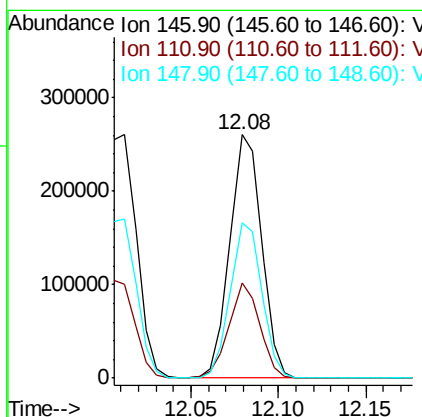
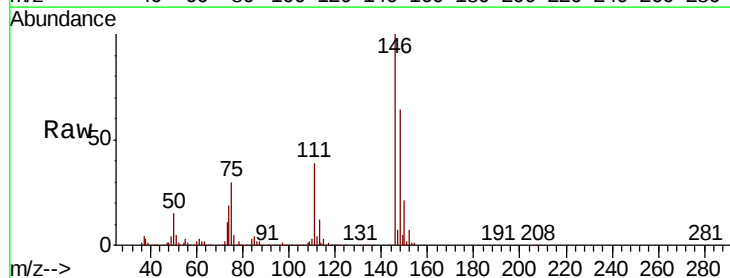
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

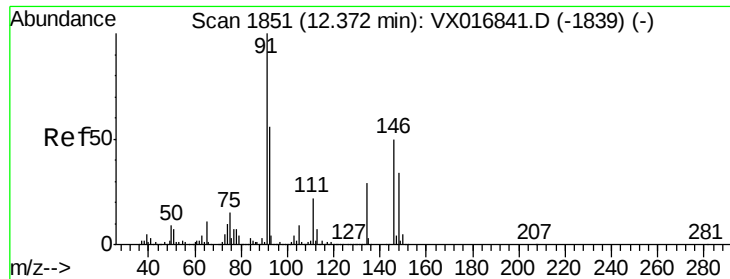
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.2
148	64.8	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 48.193 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX016899.D
 Acq: 19 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	63.6	31.6	95.0

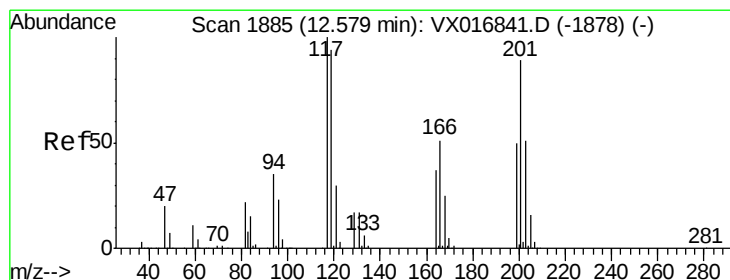
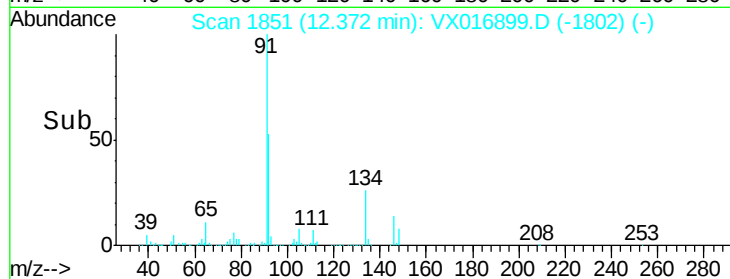
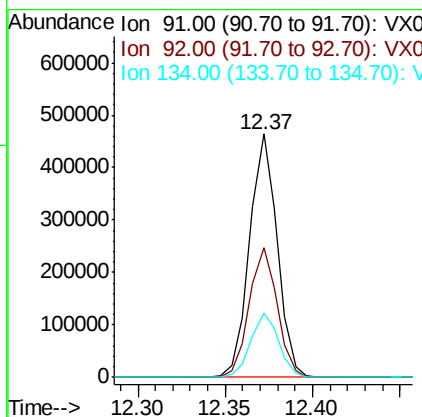
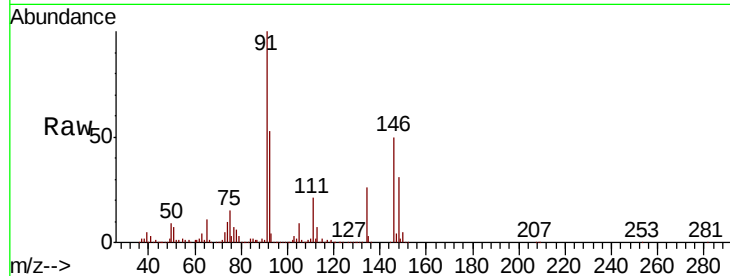




#89
n-Butylbenzene
Concen: 48.005 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

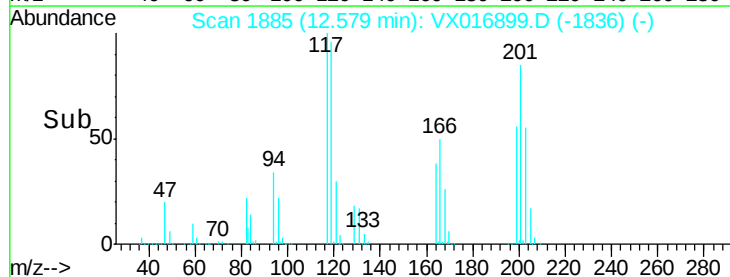
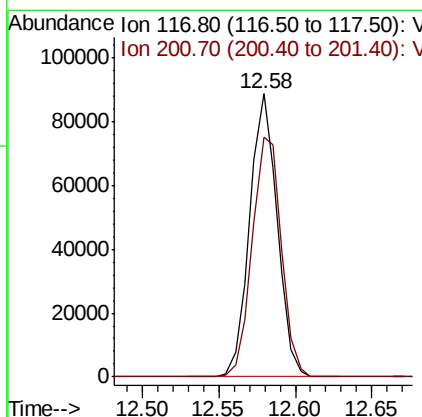
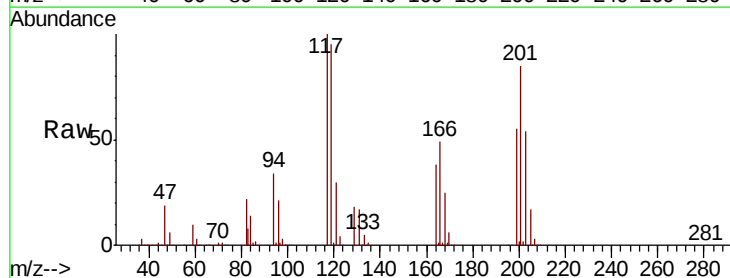
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

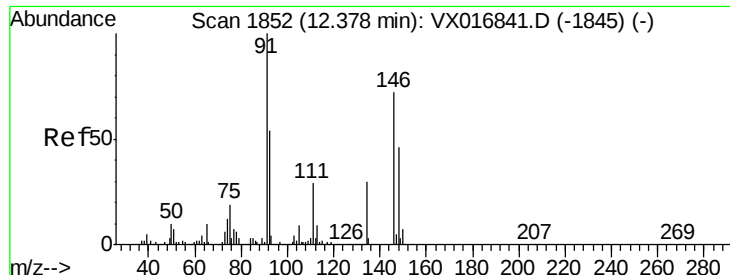
Tot Ion: 91 Resp: 508705
Ion Ratio Lower Upper
91 100
92 54.0 27.4 82.2
134 26.7 13.9 41.6



#90
Hexachloroethane
Concen: 49.817 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016899.D
Acq: 19 Jun 2020 23:26

Tgt Ion: 117 Resp: 110895
Ion Ratio Lower Upper
117 100
201 90.0 44.9 134.5





#91

1,2-Dichlorobenzene

Concen: 48.562 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

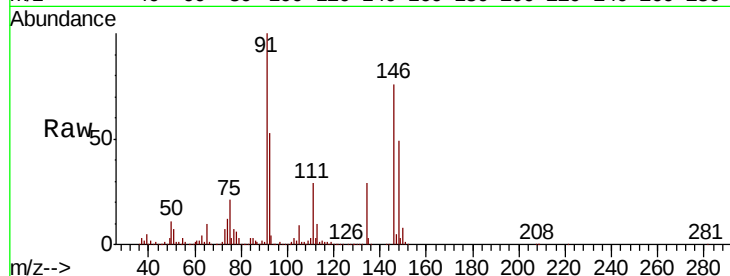
Tot Ion:146 Resp: 317765

Ion Ratio Lower Upper

146 100

111 40.7 20.9 62.7

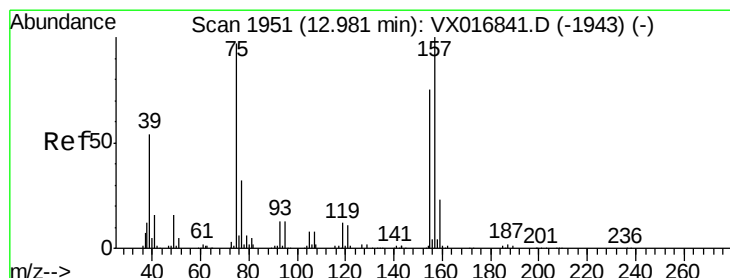
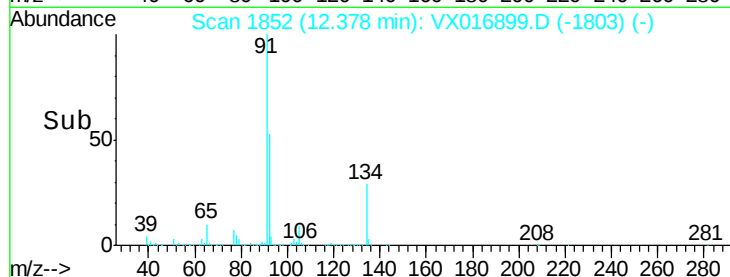
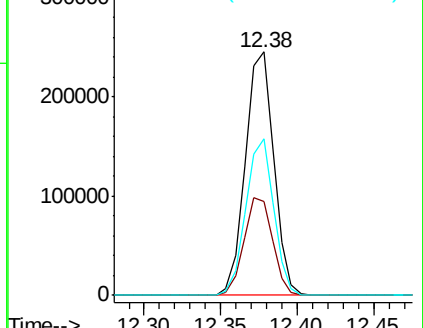
148 62.9 32.9 98.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.288 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

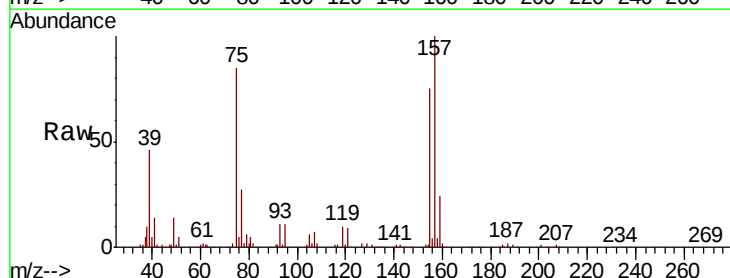
Tgt Ion: 75 Resp: 48535

Ion Ratio Lower Upper

75 100

155 94.3 46.4 139.1

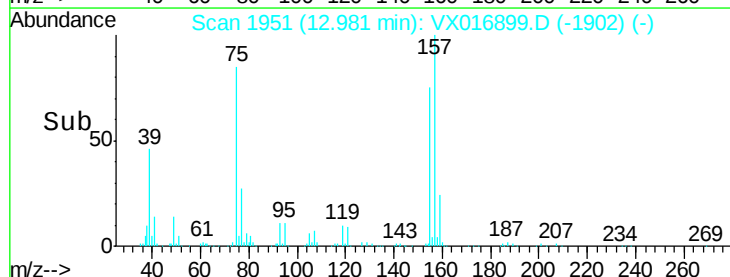
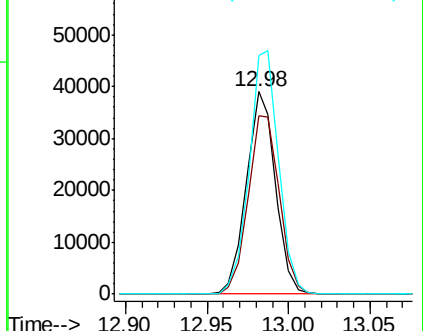
157 122.1 58.6 175.8

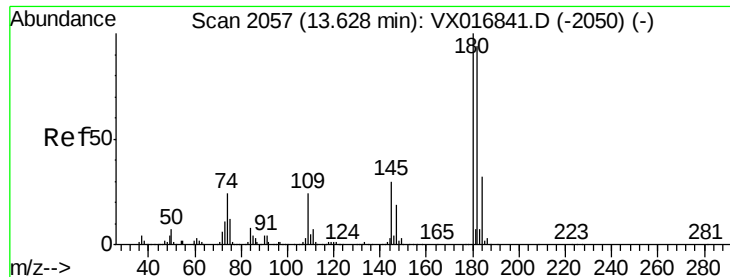


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

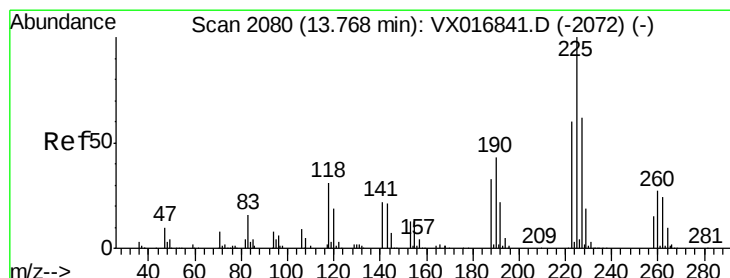
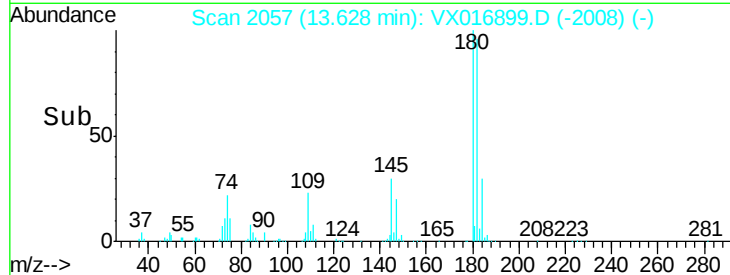
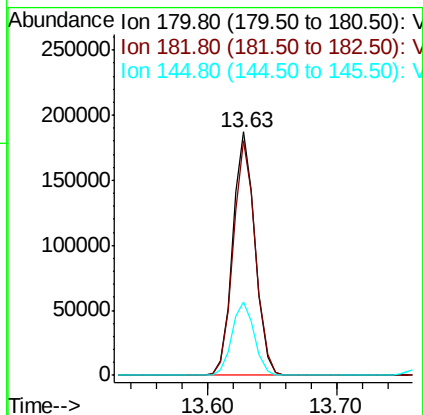
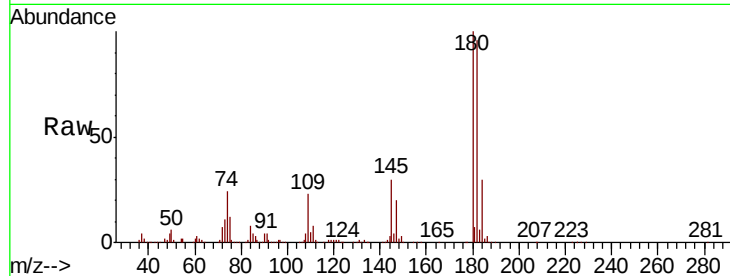




#93
 1,2,4-Trichlorobenzene
 Concen: 50.981 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016899.D
 Acq: 19 Jun 2020 23:26

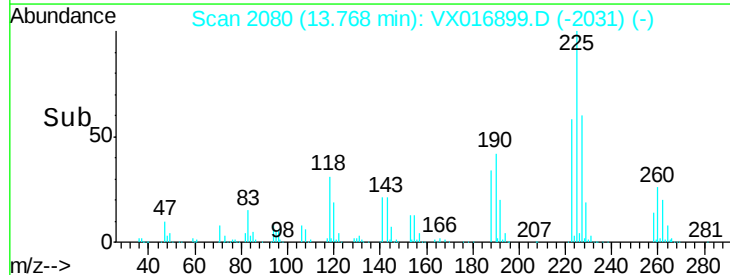
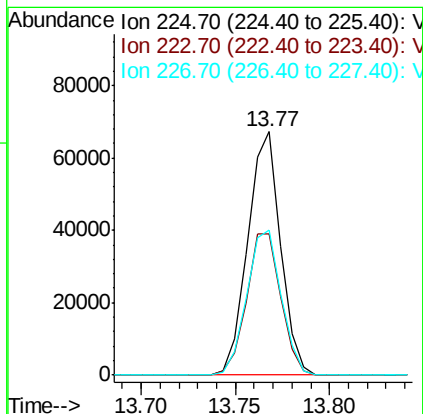
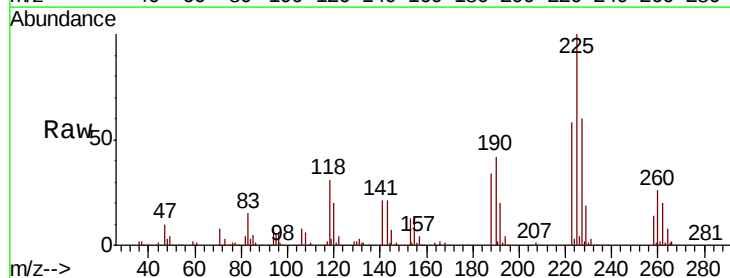
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

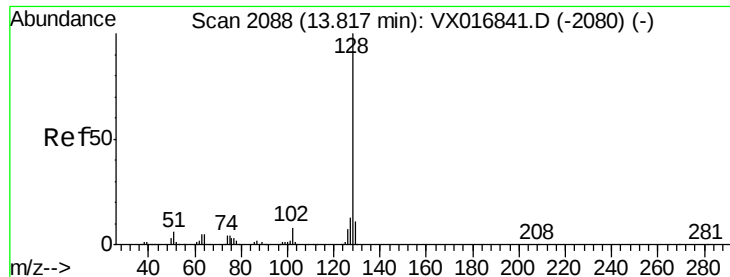
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.7	143.1
145	30.7	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 40.898 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016899.D
 Acq: 19 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.1	96.5
227	62.6	32.3	96.8





#95

Naphthalene

Concen: 56.432 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

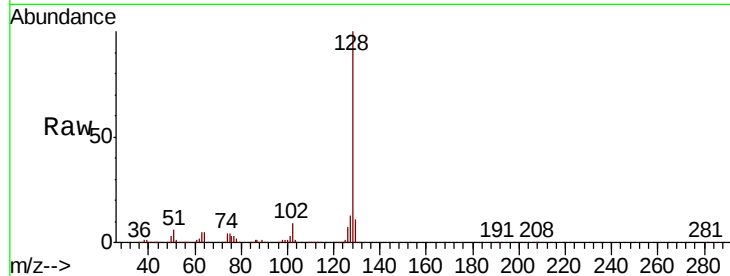
Tot Ion:128 Resp: 727980

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

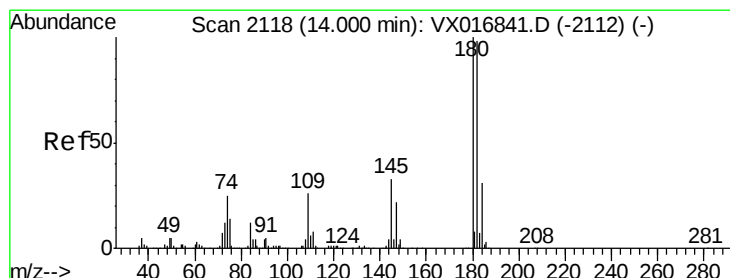
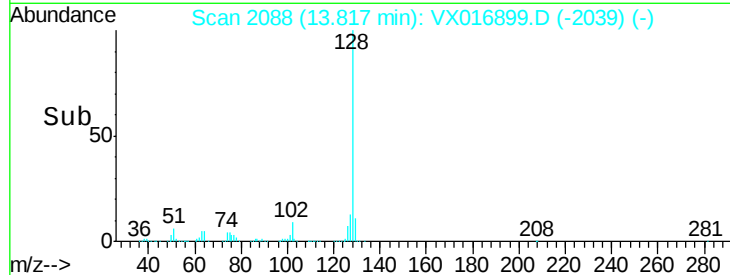
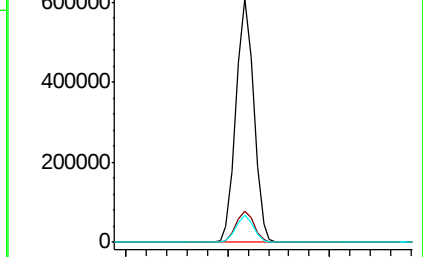
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.612 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX016899.D

Acq: 19 Jun 2020 23:26

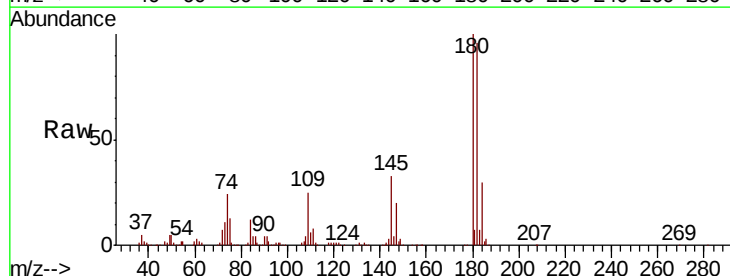
Tgt Ion:180 Resp: 221779

Ion Ratio Lower Upper

180 100

182 96.5 47.4 142.3

145 32.0 16.0 48.0



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

