

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051920\
 Data File : VX016348.D
 Acq On : 19 May 2020 20:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 20 03:51:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	266187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	440517	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	404507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	186425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	159786	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
35) Dibromofluoromethane	5.47	113	131139	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
50) Toluene-d8	8.70	98	494527	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	11.12	95	191458	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	136146	48.321	ug/l	100
3) Chloromethane	1.31	50	150752	46.072	ug/l	99
4) Vinyl Chloride	1.39	62	168674	48.317	ug/l	99
5) Bromomethane	1.62	94	65334	37.122	ug/l	96
6) Chloroethane	1.70	64	102890	48.440	ug/l	97
7) Trichlorofluoromethane	1.91	101	218750	47.730	ug/l	99
8) Diethyl Ether	2.17	74	96698	50.075	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	119644	45.248	ug/l	99
10) Methyl Iodide	2.49	142	137054	38.588	ug/l	99
11) Tert butyl alcohol	3.02	59	211689	238.993	ug/l	99
12) 1,1-Dichloroethene	2.36	96	132614	47.926	ug/l	99
13) Acrolein	2.27	56	155471	280.494	ug/l	99
14) Allyl chloride	2.70	41	232848	45.895	ug/l	94
15) Acrylonitrile	3.12	53	470487	256.047	ug/l	98
16) Acetone	2.42	43	366514	234.510	ug/l	94
17) Carbon Disulfide	2.55	76	351077	42.218	ug/l	99
18) Methyl Acetate	2.75	43	251182	65.365	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	497727	52.179	ug/l	98
20) Methylene Chloride	2.83	84	154788	48.043	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	147314	47.775	ug/l	95
22) Diisopropyl ether	3.82	45	466287	48.716	ug/l	95
23) Vinyl Acetate	3.79	43	1907623	226.536	ug/l	98
24) 1,1-Dichloroethane	3.67	63	271432	50.695	ug/l	99
25) 2-Butanone	4.64	43	630336	250.287	ug/l	96
26) 2,2-Dichloropropane	4.55	77	207733	42.483	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	172003	51.024	ug/l	95
28) Bromochloromethane	4.98	49	115415	47.273	ug/l	94
29) Tetrahydrofuran	5.09	42	410392	245.930	ug/l	95
30) Chloroform	5.18	83	272558	51.126	ug/l	98
31) Cyclohexane	5.55	56	191983	39.454	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	240608	49.653	ug/l	98
36) 1,1-Dichloropropene	5.77	75	197920	45.643	ug/l	99
37) Ethyl Acetate	4.79	43	230142	45.792	ug/l	98
38) Carbon Tetrachloride	5.76	117	204676	46.438	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	166261	31.838	ug/l	99
40) Benzene	6.12	78	622193	49.039	ug/l	100
41) Methacrylonitrile	5.01	41	128281	47.263	ug/l	96
42) 1,2-Dichloroethane	6.17	62	212143	46.415	ug/l	98
43) Isopropyl Acetate	6.42	43	366762	45.737	ug/l	97
44) Trichloroethene	7.19	130	193073	42.834	ug/l	96
45) 1,2-Dichloropropane	7.49	63	162087	50.488	ug/l	100
46) Dibromomethane	7.64	93	107259	49.163	ug/l	99
47) Bromodichloromethane	7.88	83	223908	50.391	ug/l	99
48) Methyl methacrylate	7.75	41	179981	47.367	ug/l	93
49) 1,4-Dioxane	7.71	88	82592	906.302	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1196638	243.857	ug/l	96
52) Toluene	8.77	92	391116	49.455	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	255549	48.236	ug/l	98
54) cis-1,3-Dichloropropene	8.41	75	269622	48.724	ug/l	93
55) 1,1,2-Trichloroethane	9.20	97	159536	51.273	ug/l	100
56) Ethyl methacrylate	9.16	69	268247	52.816	ug/l	92
57) 1,3-Dichloropropane	9.35	76	274298	50.523	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	628699	232.517	ug/l	99
59) 2-Hexanone	9.48	43	927683	240.727	ug/l	95
60) Dibromochloromethane	9.57	129	179583	52.405	ug/l	99
61) 1,2-Dibromoethane	9.65	107	170262	50.519	ug/l	100
64) Tetrachloroethene	9.32	164	200247	40.325	ug/l	98
65) Chlorobenzene	10.12	112	416998	49.233	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	160167	51.162	ug/l	99
67) Ethyl Benzene	10.24	91	698078	46.192	ug/l	99
68) m/p-Xylenes	10.34	106	528158	93.280	ug/l	100
69) o-Xylene	10.68	106	256423	47.114	ug/l	99
70) Styrene	10.70	104	469083	50.803	ug/l	99
71) Bromoform	10.84	173	138192	54.181	ug/l #	98
73) Isopropylbenzene	11.01	105	627821	46.301	ug/l	99
74) N-amyl acetate	10.88	43	298281	47.161	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	193319	69.261	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	307692	72.733	ug/l	84
77) Bromobenzene	11.24	156	181768	51.935	ug/l	98
78) n-propylbenzene	11.35	91	701948	44.499	ug/l	100
79) 2-Chlorotoluene	11.41	91	452652	48.614	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	511749	44.700	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	93010	52.394	ug/l	95
82) 4-Chlorotoluene	11.49	91	531950	48.379	ug/l	98
83) tert-Butylbenzene	11.76	119	428754	43.456	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	534016	46.137	ug/l	98
85) sec-Butylbenzene	11.93	105	514133	38.594	ug/l	100
86) p-Isopropyltoluene	12.05	119	483370	39.081	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	295600	47.038	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	301439	47.260	ug/l	100
89) n-Butylbenzene	12.37	91	392347	34.724	ug/l	100
90) Hexachloroethane	12.58	117	83925	39.510	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	295758	48.877	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	59046	52.958	ug/l	98

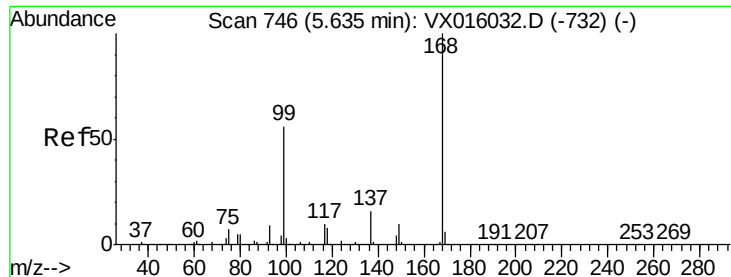
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QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	176786	39.461	ug/l	99
94) Hexachlorobutadiene	13.77	225	55436	28.959	ug/l	97
95) Naphthalene	13.82	128	687484	47.392	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	173938	39.727	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. -0.01 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

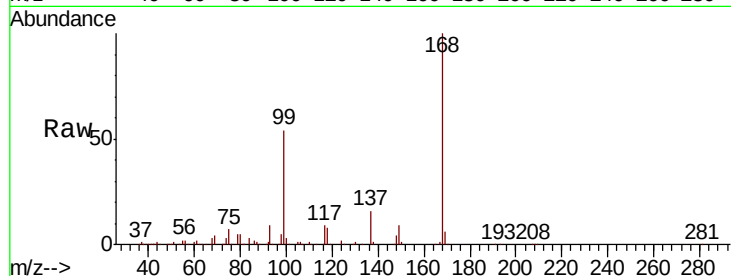
VSTDCCC050EC

Tot Ion:168 Resp: 266187

Ion Ratio Lower Upper

168 100

99 53.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

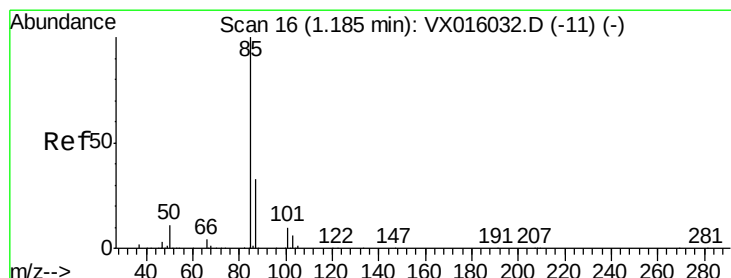
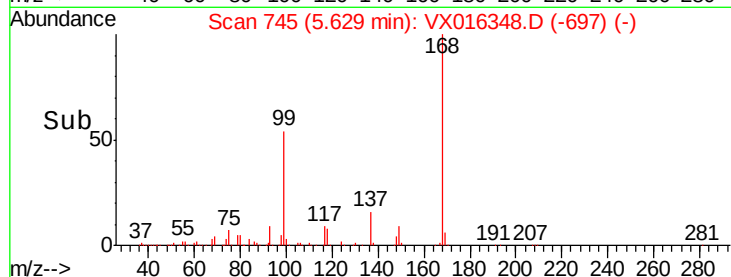
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.321 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016348.D

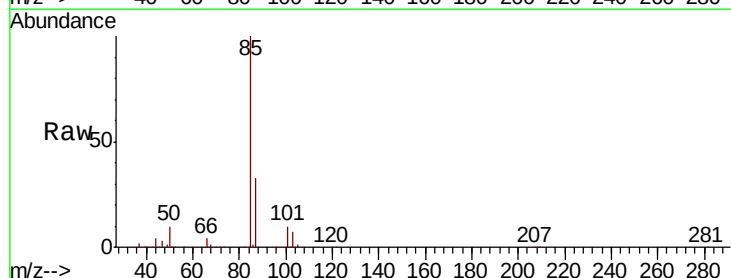
Acq: 19 May 2020 20:20

Tgt Ion: 85 Resp: 136146

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

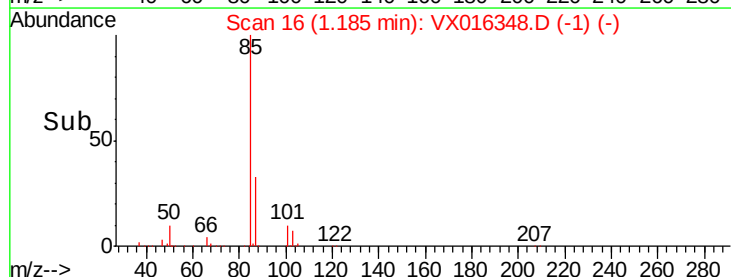
150000

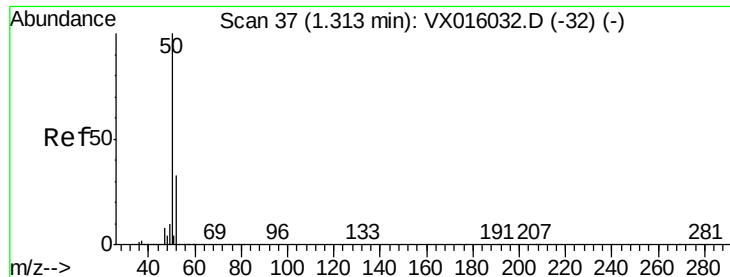
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50000

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Time-->

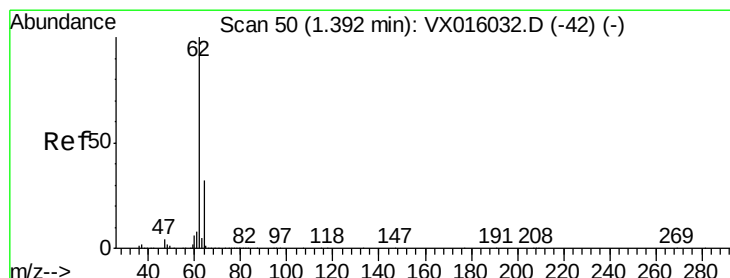
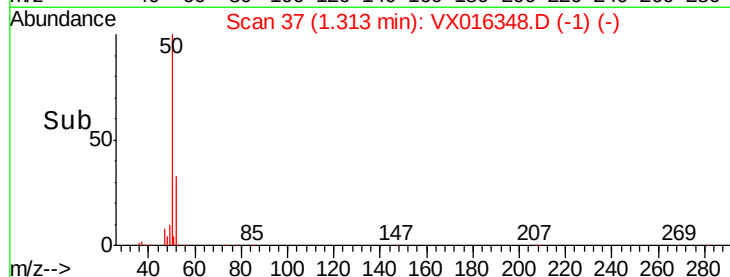
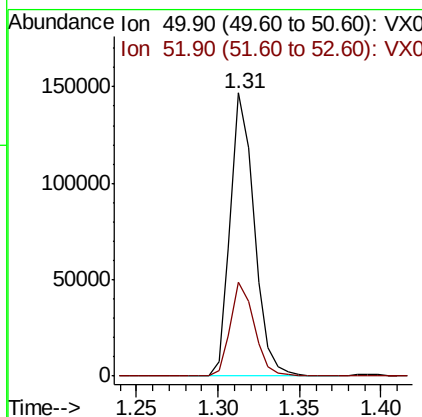
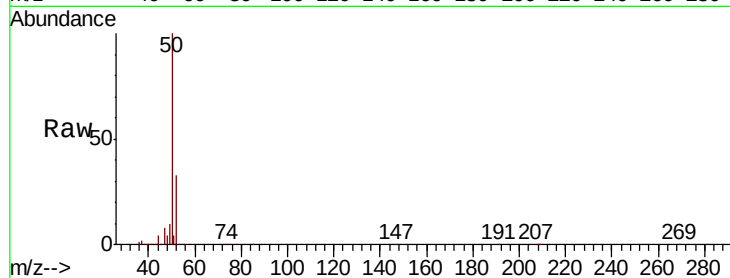




#3
Chloromethane
Concen: 46.072 ug/l
RT: 1.31 min Scan# 37
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

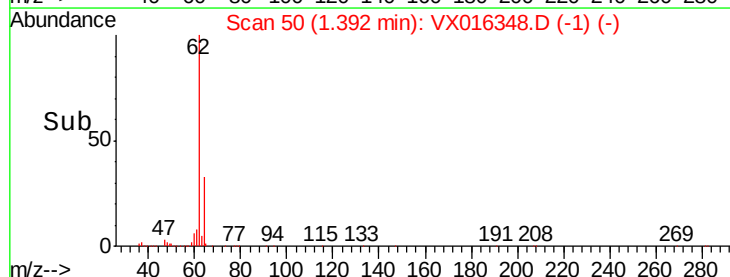
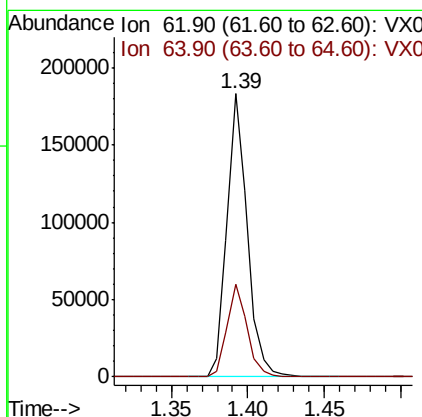
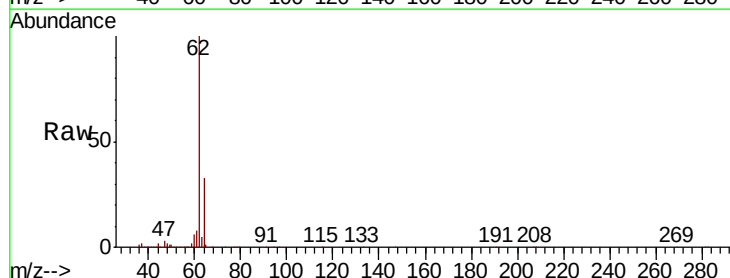
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

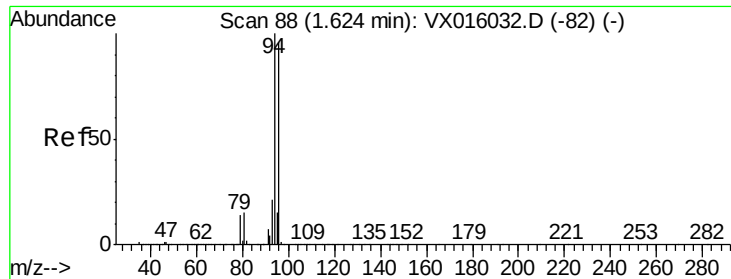
Tot Ion: 50 Resp: 150752
Ion Ratio Lower Upper
50 100
52 33.1 26.1 39.1



#4
Vinyl Chloride
Concen: 48.317 ug/l
RT: 1.39 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Tgt Ion: 62 Resp: 168674
Ion Ratio Lower Upper
62 100
64 32.7 25.7 38.5





#5

Bromomethane

Concen: 37.122 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

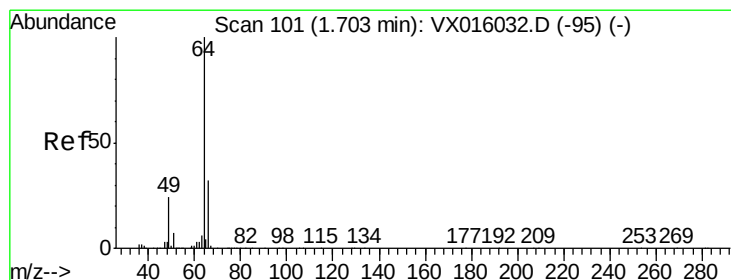
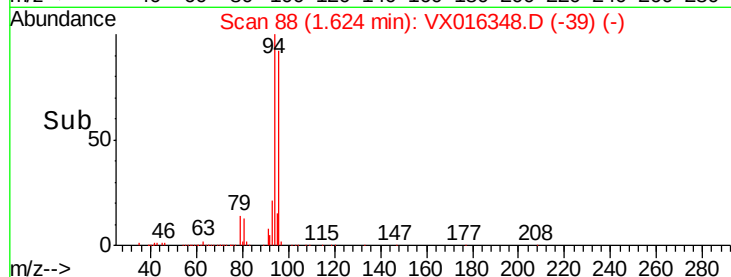
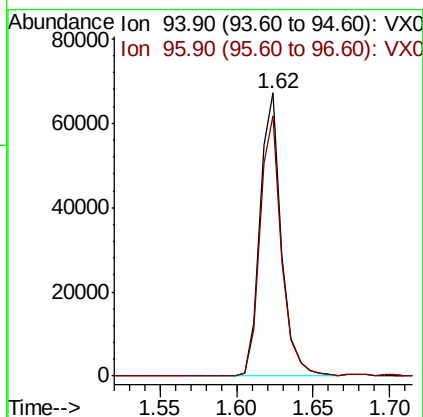
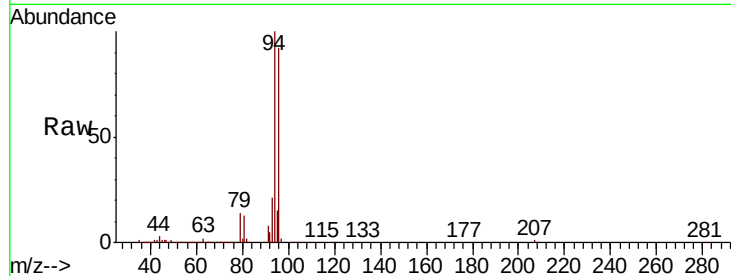
VSTDCCC050EC

Tot Ion: 94 Resp: 65334

Ion Ratio Lower Upper

94 100

96 91.8 76.9 115.3



#6

Chloroethane

Concen: 48.440 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016348.D

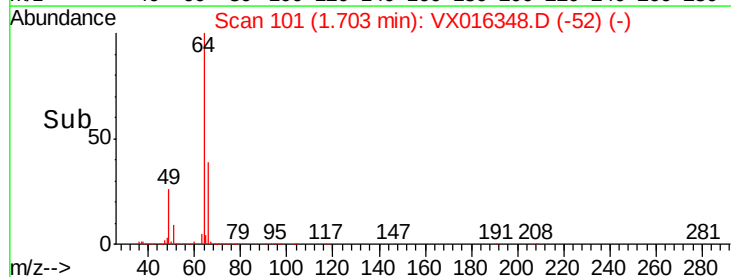
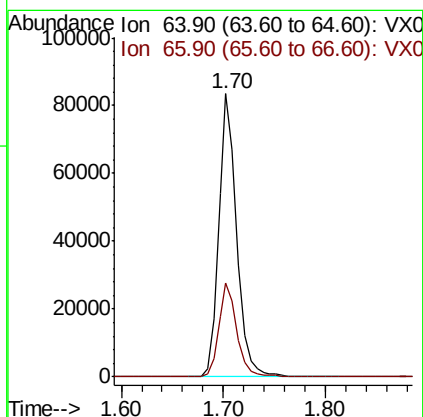
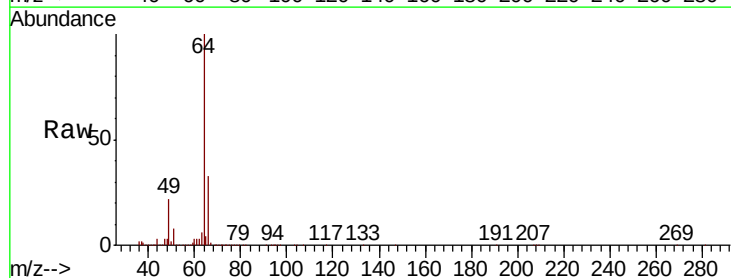
Acq: 19 May 2020 20:20

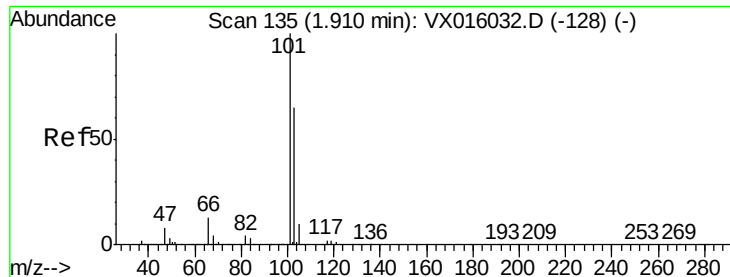
Tgt Ion: 64 Resp: 102890

Ion Ratio Lower Upper

64 100

66 33.1 25.2 37.8



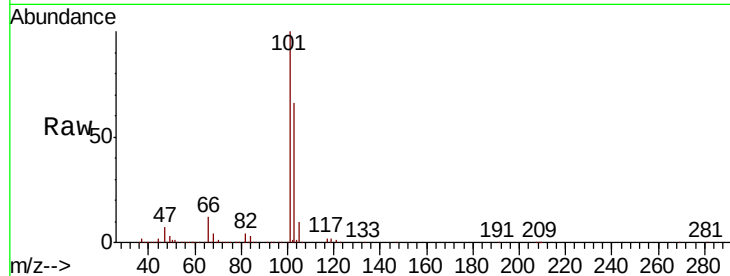


#7

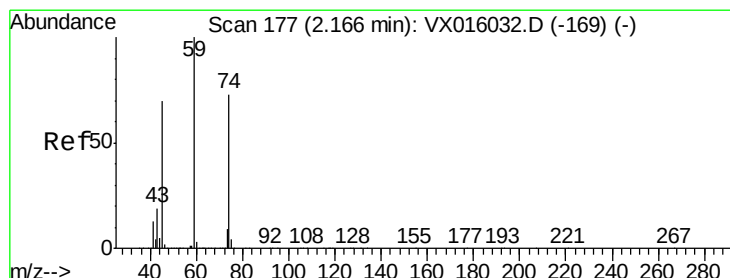
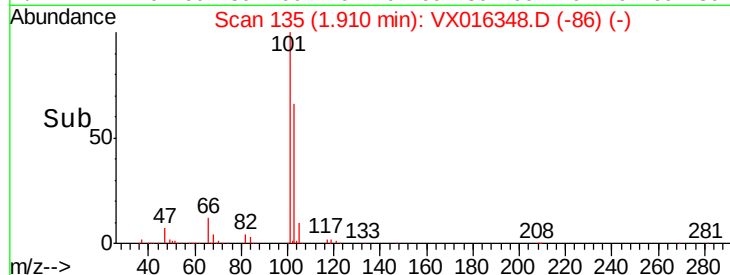
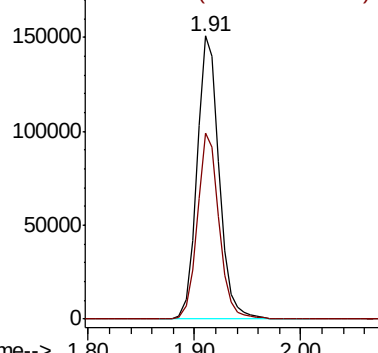
Trichlorofluoromethane
 Concen: 47.730 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 218750
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.8 77.6



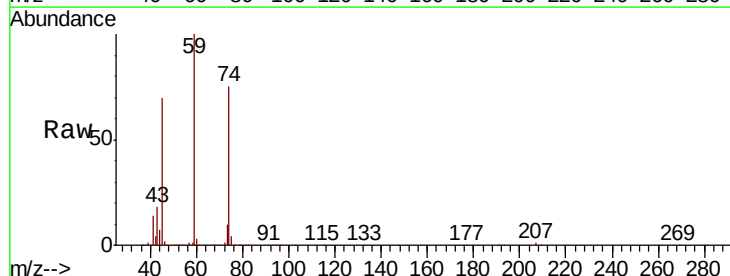
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



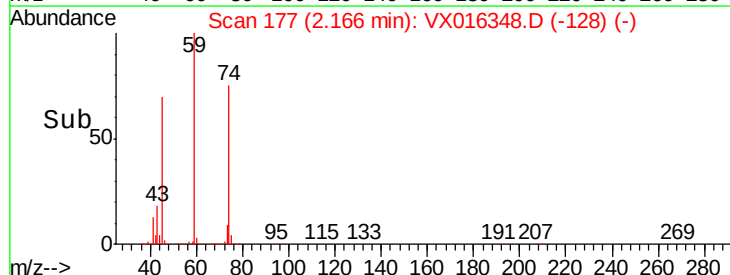
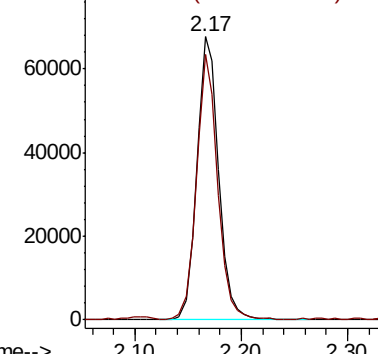
#8

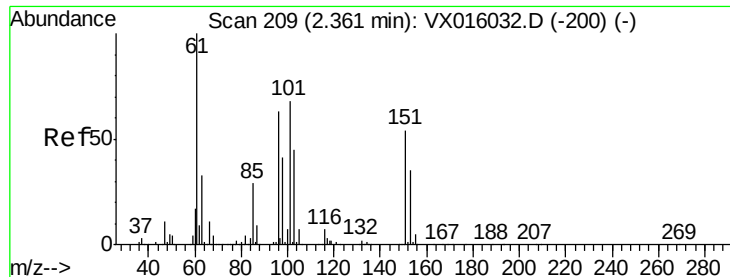
Diethyl Ether
 Concen: 50.075 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Tgt Ion: 74 Resp: 96698
 Ion Ratio Lower Upper
 74 100
 45 90.2 47.3 142.0



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.248 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

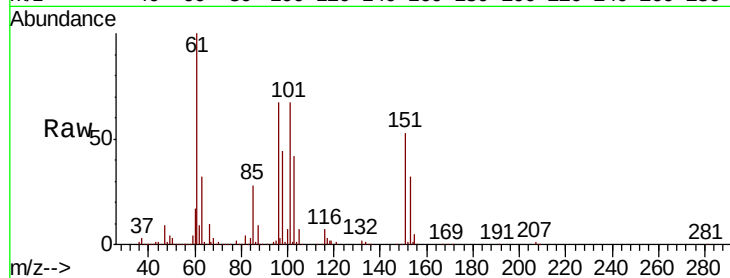
Tot Ion:101 Resp: 119644

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

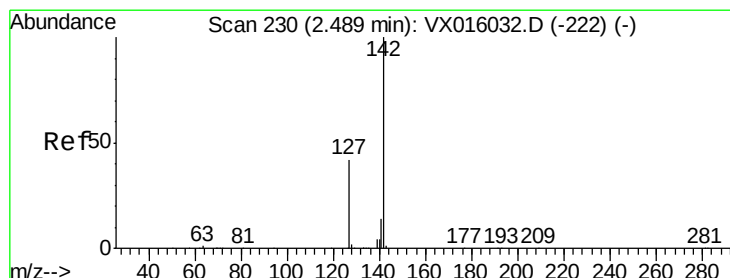
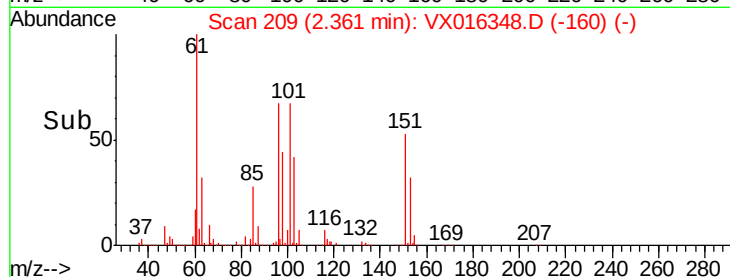
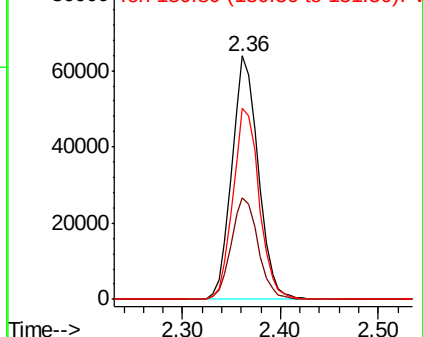
151 78.2 62.1 93.1



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: 38.588 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

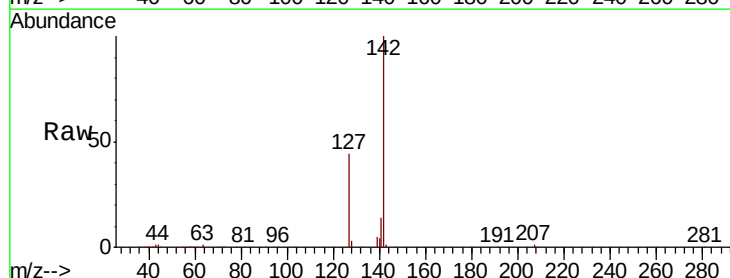
Tgt Ion:142 Resp: 137054

Ion Ratio Lower Upper

142 100

127 42.7 34.6 52.0

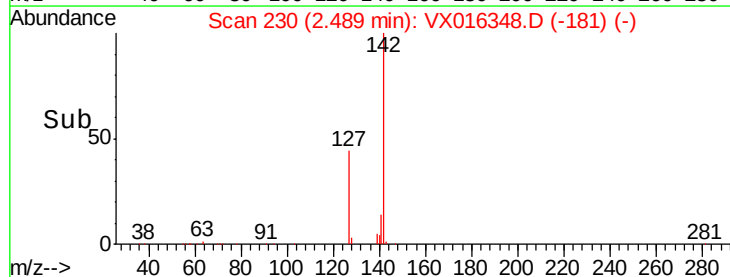
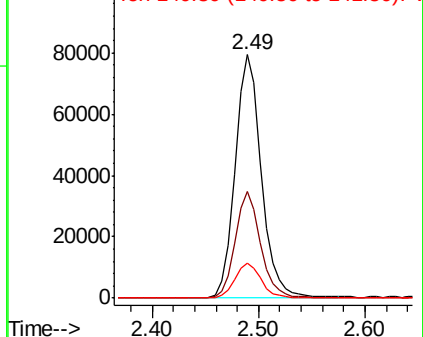
141 14.4 11.3 16.9

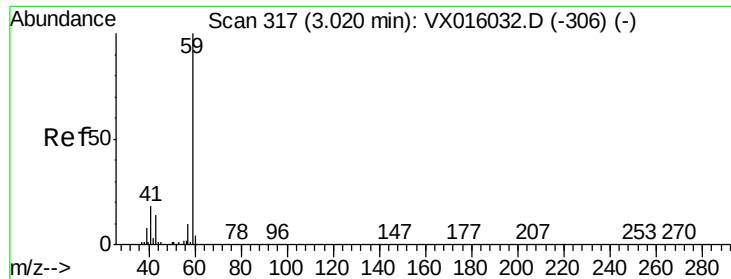


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



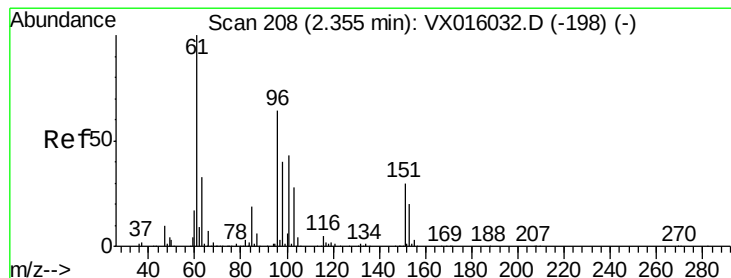
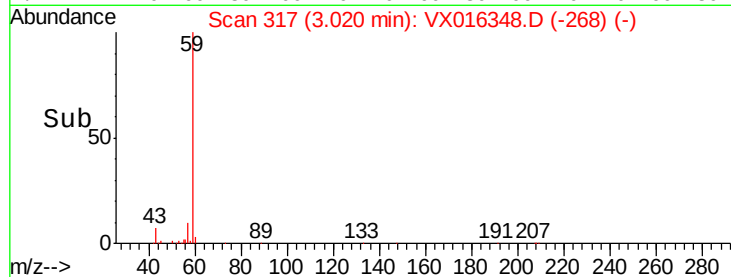
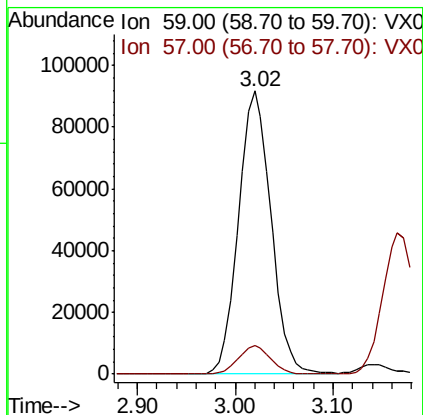
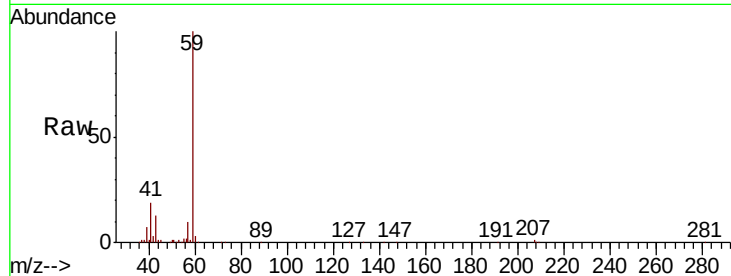


#11

Tert butyl alcohol
 Concen: 238.993 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

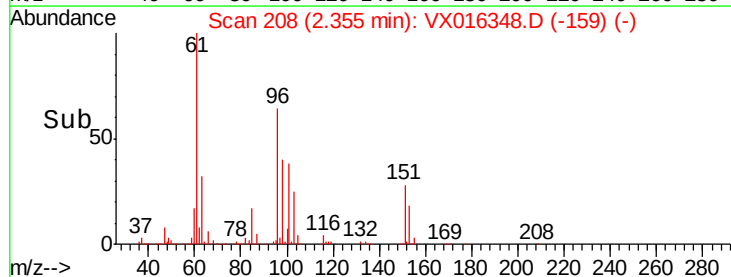
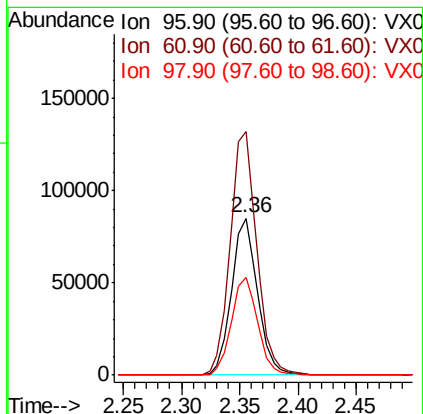
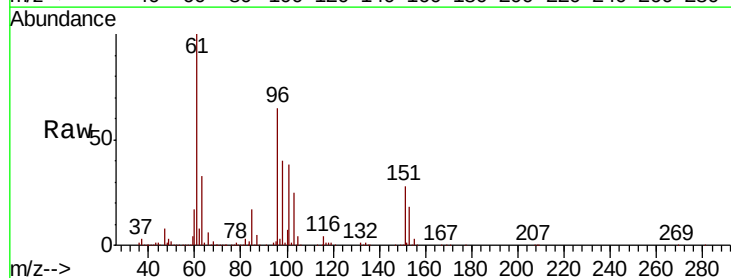
Tot Ion: 59 Resp: 211689
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

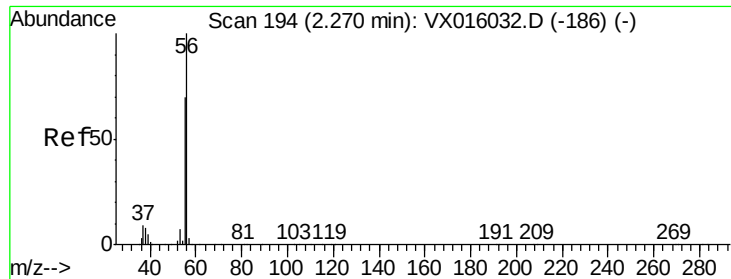


#12

1,1-Dichloroethene
 Concen: 47.926 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Tgt Ion: 96 Resp: 132614
 Ion Ratio Lower Upper
 96 100
 61 155.0 124.8 187.2
 98 61.9 49.7 74.5





#13

Acrolein

Concen: 280.494 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

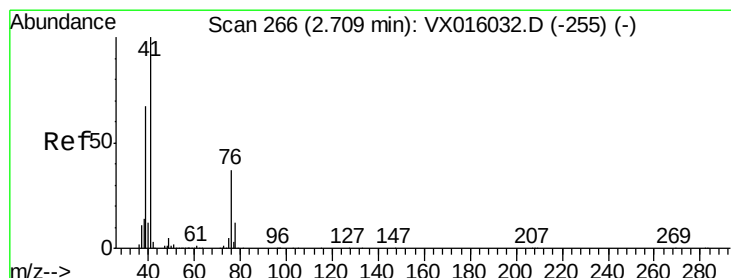
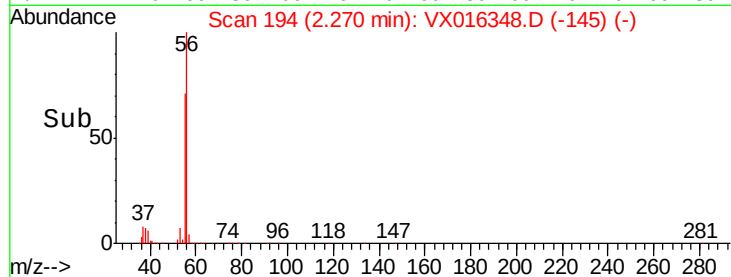
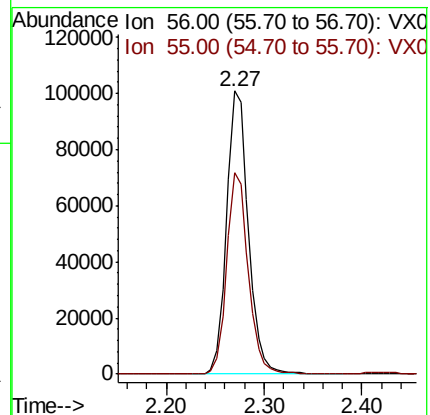
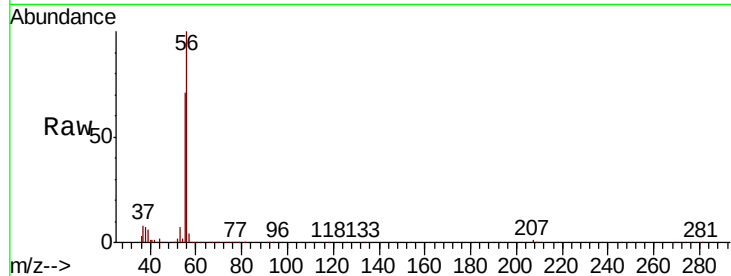
VSTDCCC050EC

Tot Ion: 56 Resp: 155471

Ion Ratio Lower Upper

56 100

55 70.1 56.5 84.7



#14

Allyl chloride

Concen: 45.895 ug/l

RT: 2.70 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

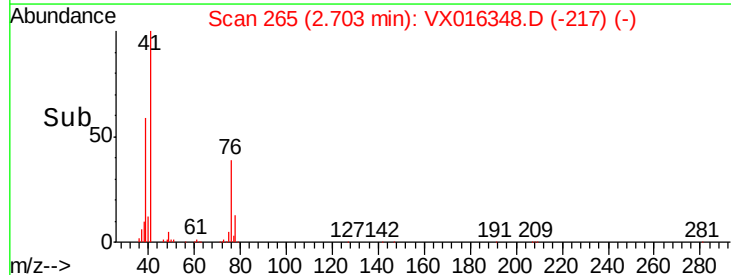
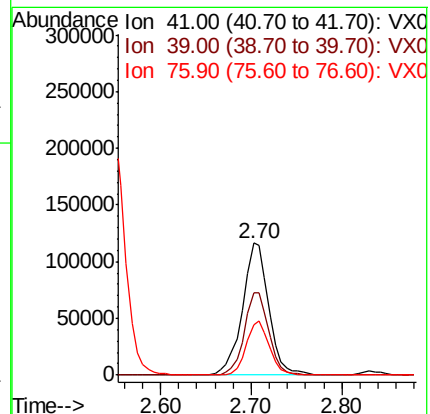
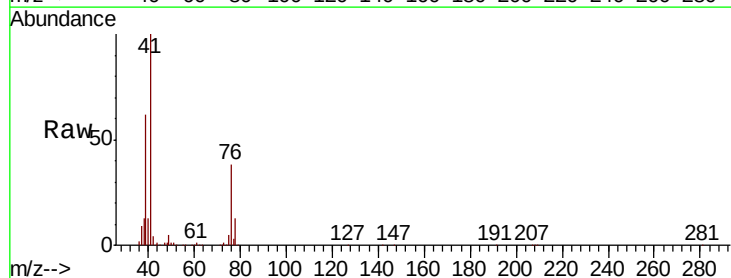
Tgt Ion: 41 Resp: 232848

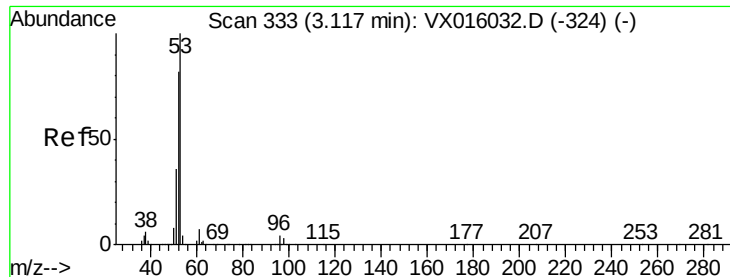
Ion Ratio Lower Upper

41 100

39 58.1 50.5 75.7

76 35.6 26.6 40.0





#15

Acrylonitrile

Concen: 256.047 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

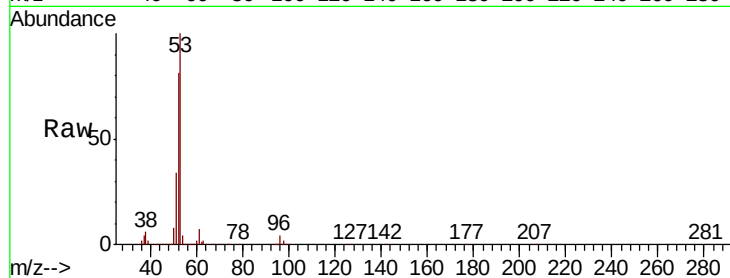
Tot Ion: 53 Resp: 470487

Ion Ratio Lower Upper

53 100

52 81.3 66.1 99.1

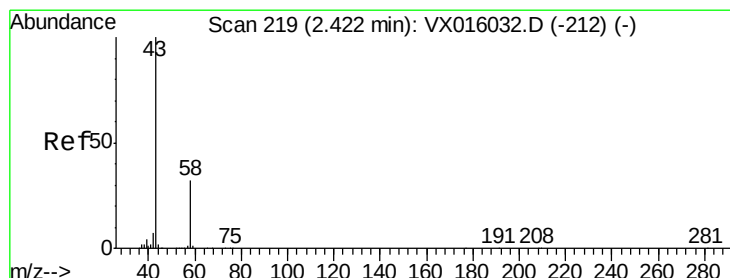
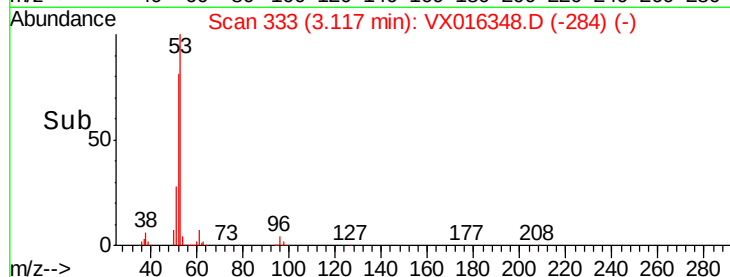
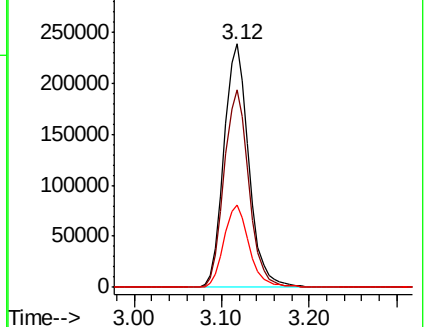
51 34.6 28.8 43.2



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: 234.510 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016348.D

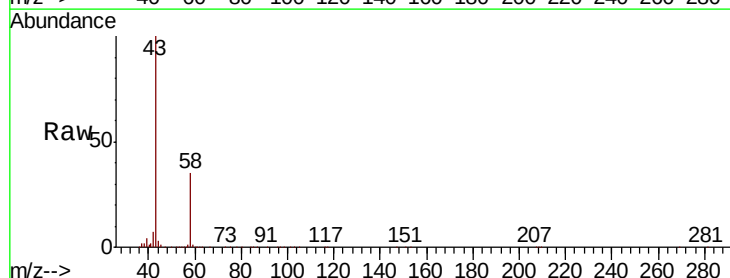
Acq: 19 May 2020 20:20

Tgt Ion: 43 Resp: 366514

Ion Ratio Lower Upper

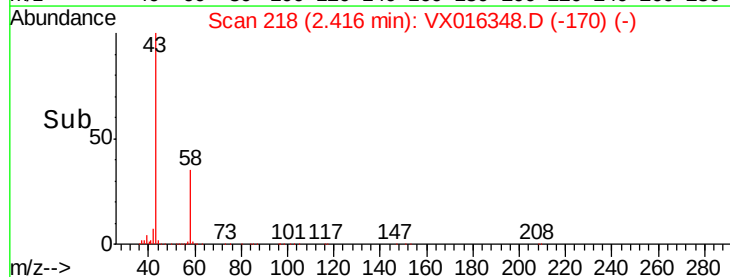
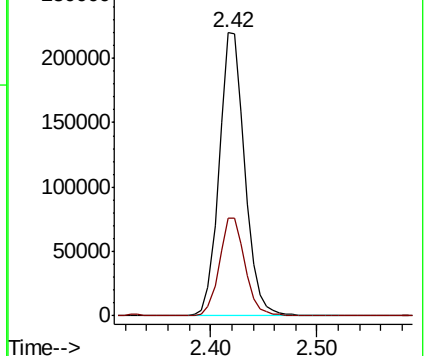
43 100

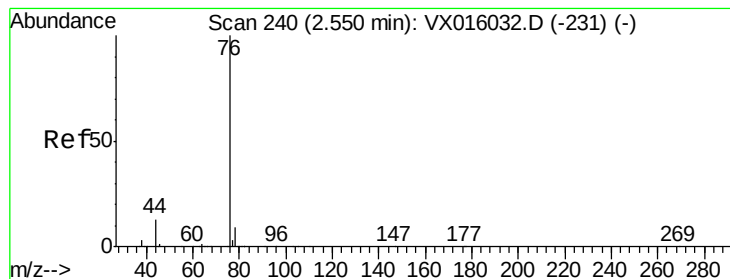
58 34.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 42.218 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

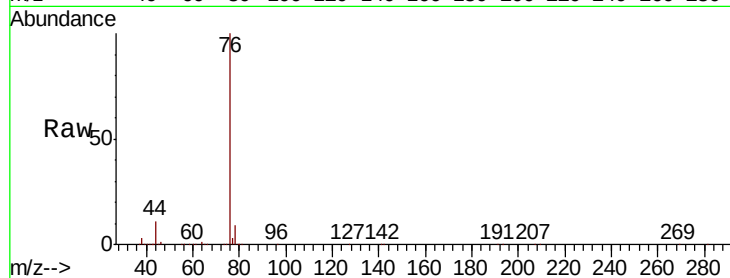
VSTDCCC050EC

Tot Ion: 76 Resp: 351077

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

100000

50000

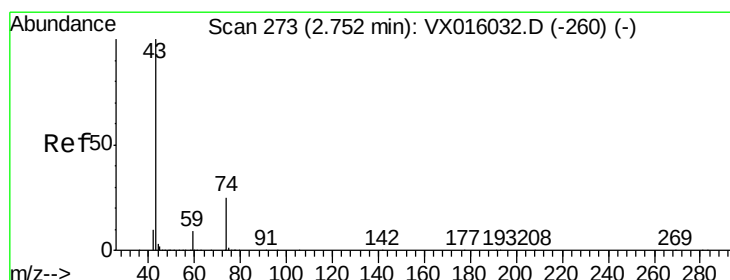
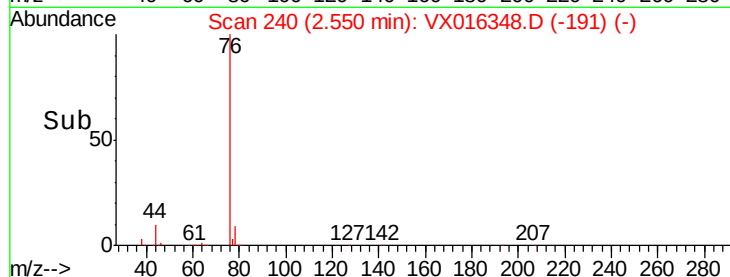
0

2.55

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 65.365 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016348.D

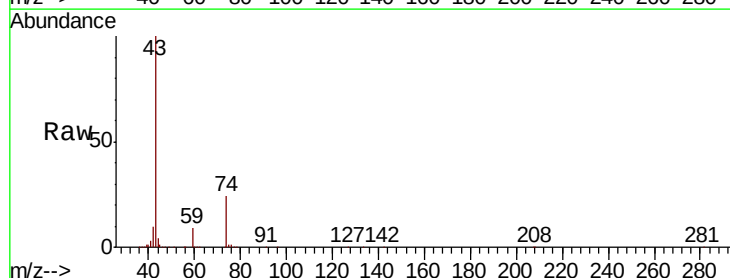
Acq: 19 May 2020 20:20

Tgt Ion: 43 Resp: 251182

Ion Ratio Lower Upper

43 100

74 26.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

100000

50000

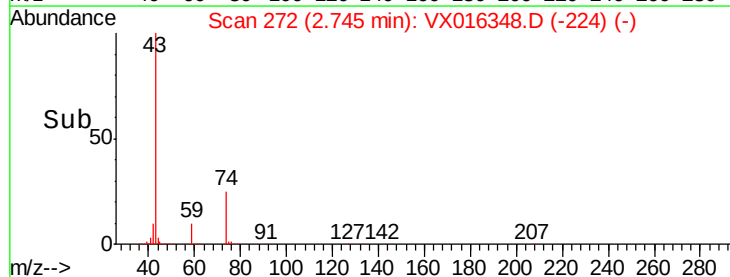
0

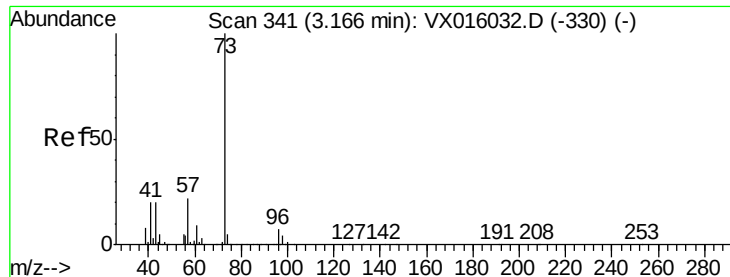
2.75

2.80

2.90

Time-->

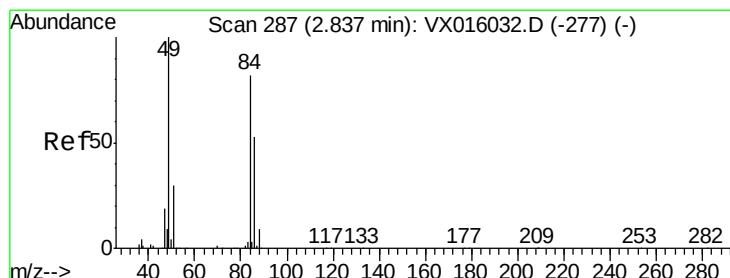
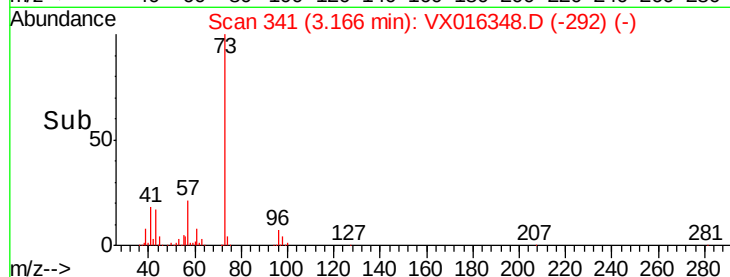
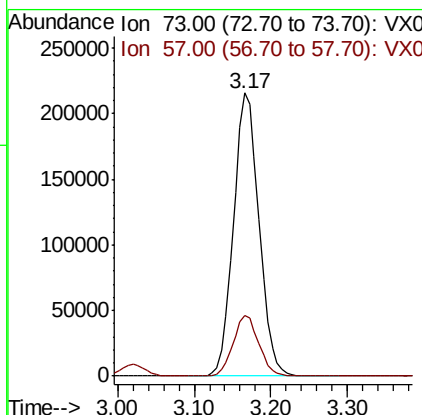
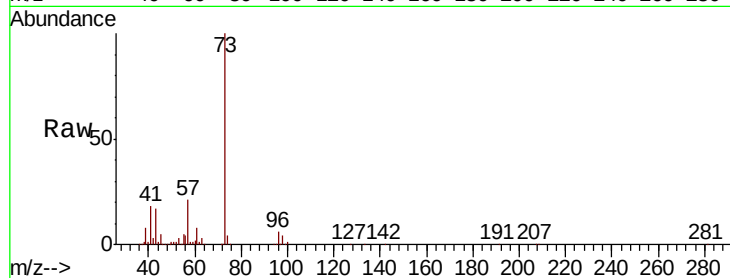




#19
Methyl tert-butyl Ether
Concen: 52.179 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

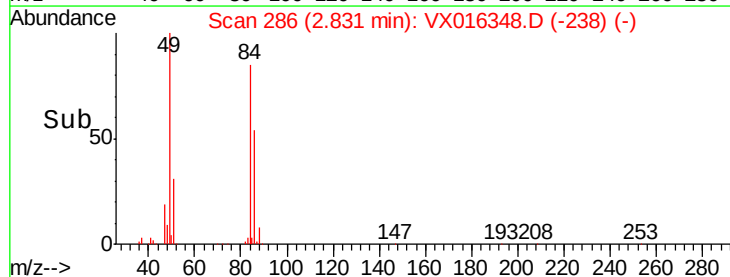
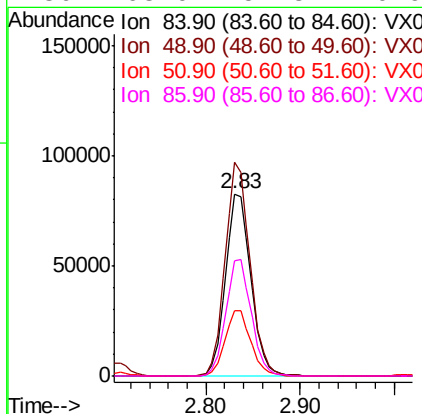
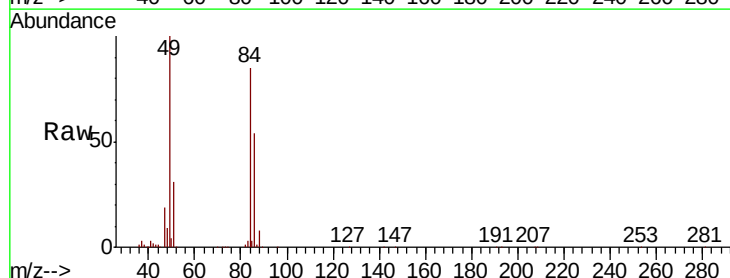
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

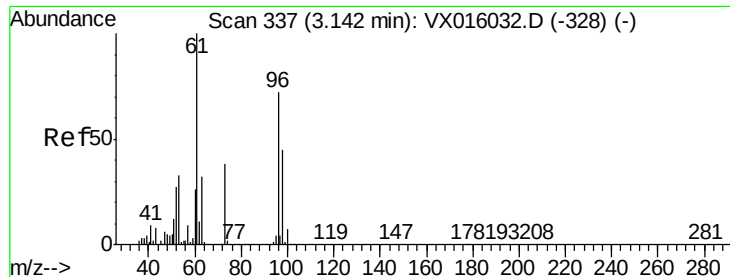
Tot Ion: 73 Resp: 497727
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.6



#20
Methylene Chloride
Concen: 48.043 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Tgt Ion: 84 Resp: 154788
Ion Ratio Lower Upper
84 100
49 117.2 97.3 145.9
51 36.1 29.3 43.9
86 63.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 47.775 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

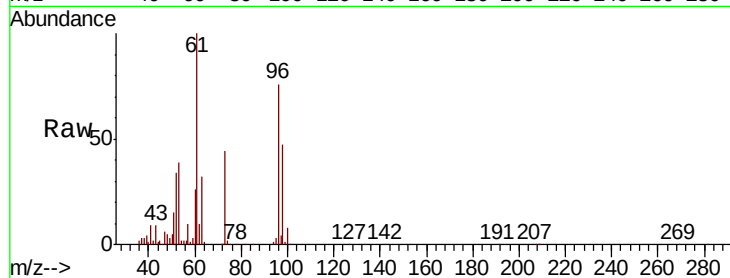
Tot Ion: 96 Resp: 147314

Ion Ratio Lower Upper

96 100

61 131.6 111.2 166.8

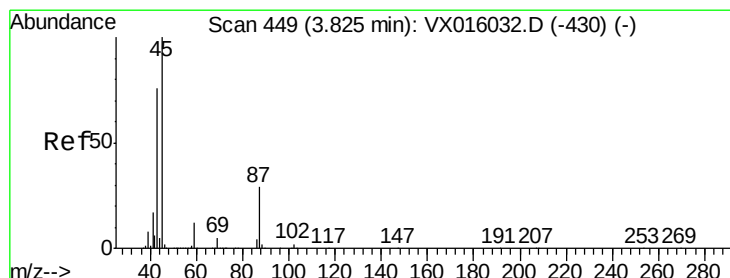
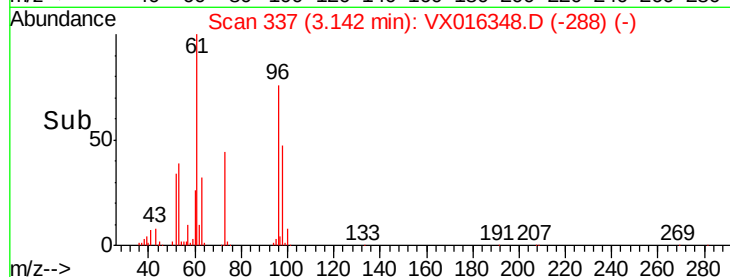
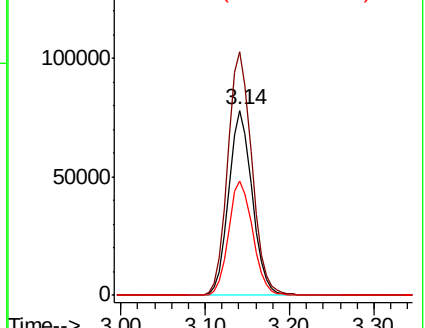
98 61.9 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.716 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Tgt Ion: 45 Resp: 466287

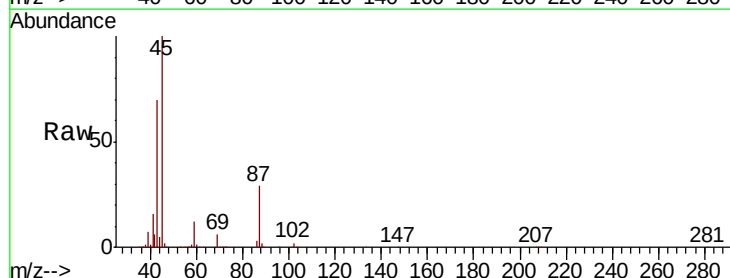
Ion Ratio Lower Upper

45 100

43 69.9 61.1 91.7

87 29.1 23.0 34.6

59 12.0 9.8 14.6

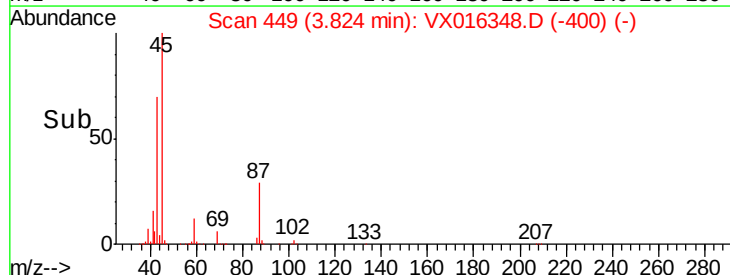
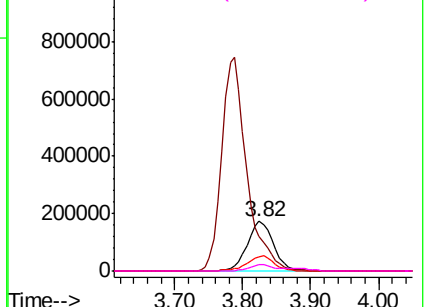


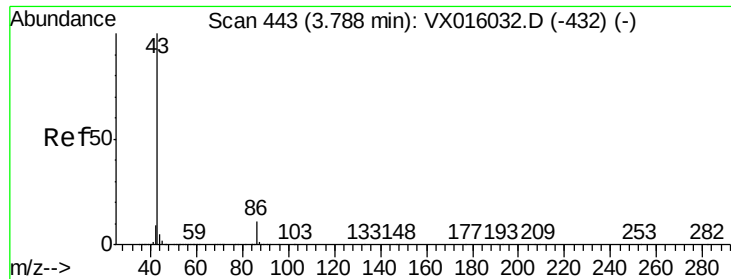
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 226.536 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

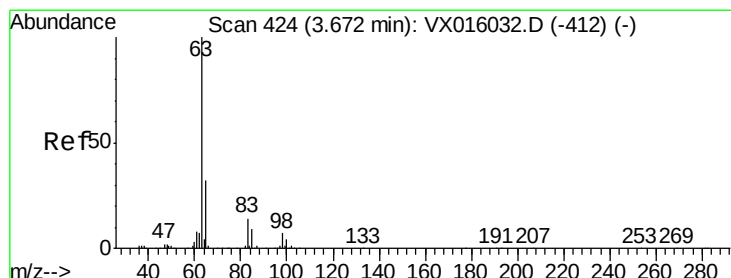
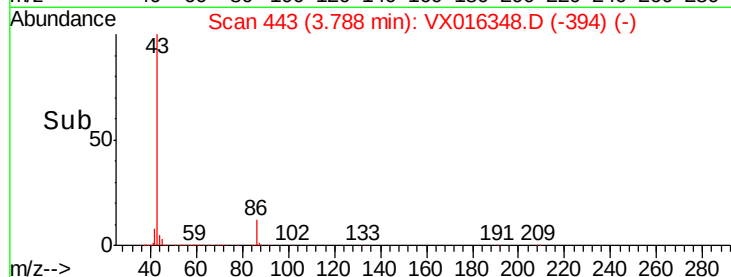
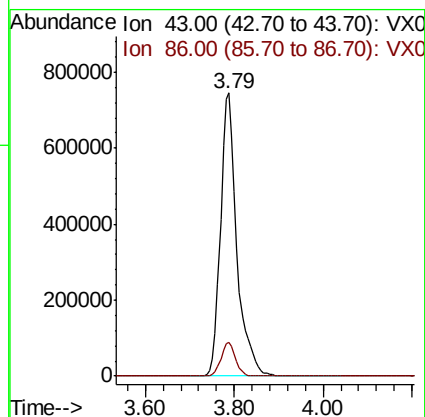
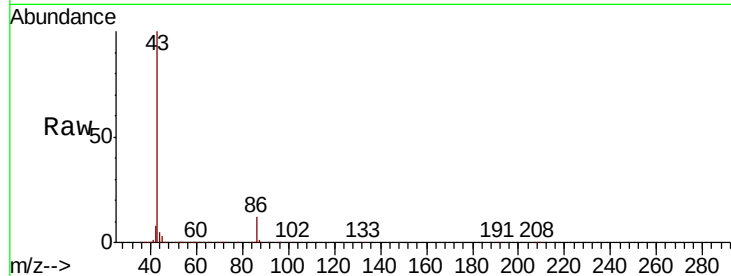
VSTDCCC050EC

Tot Ion: 43 Resp: 1907623

Ion Ratio Lower Upper

43 100

86 12.1 9.0 13.4



#24

1,1-Dichloroethane

Concen: 50.695 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

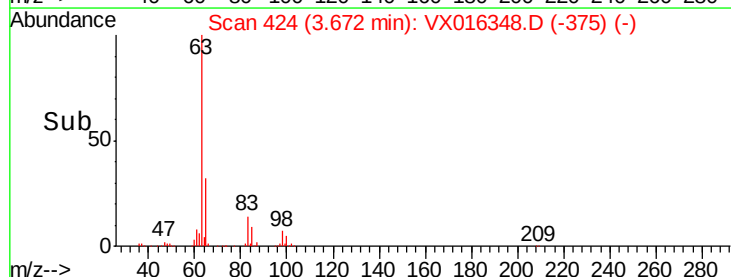
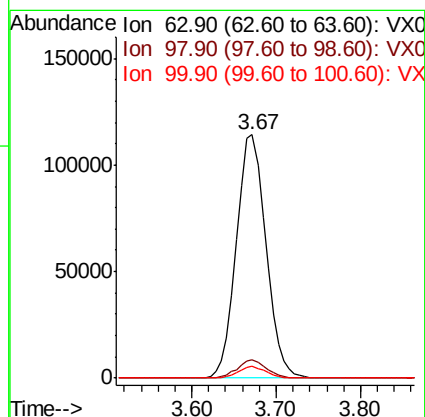
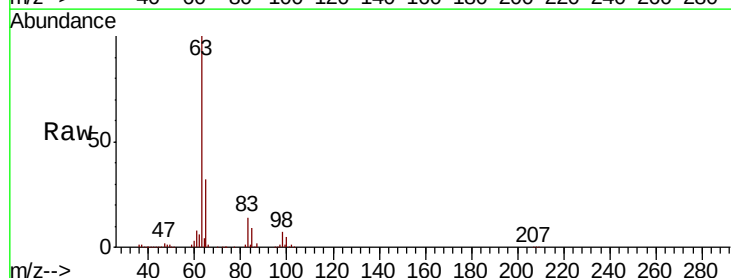
Tgt Ion: 63 Resp: 271432

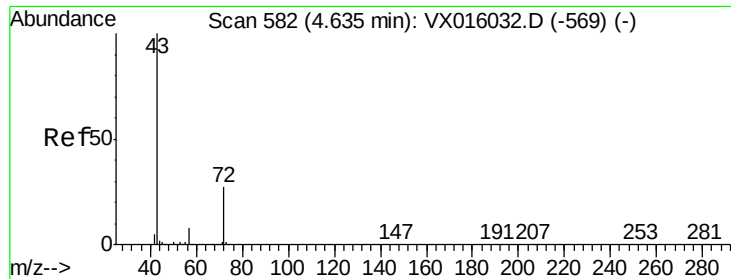
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 4.8 2.1 6.5





#25

2-Butanone

Concen: 250.287 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

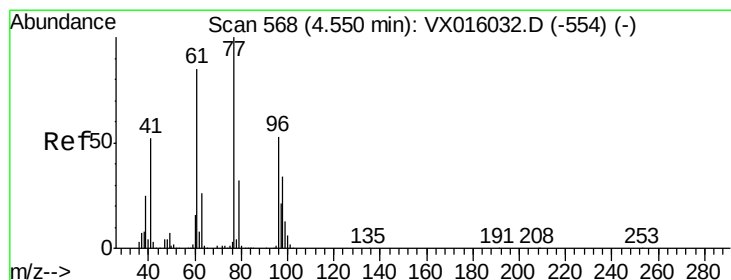
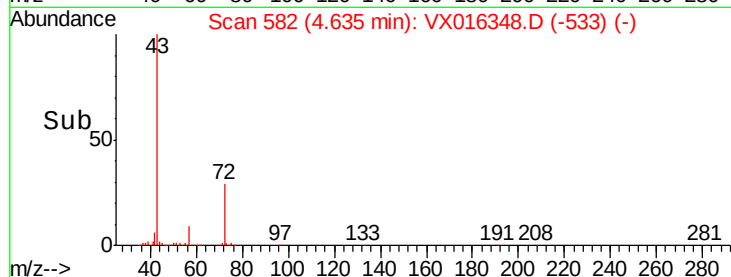
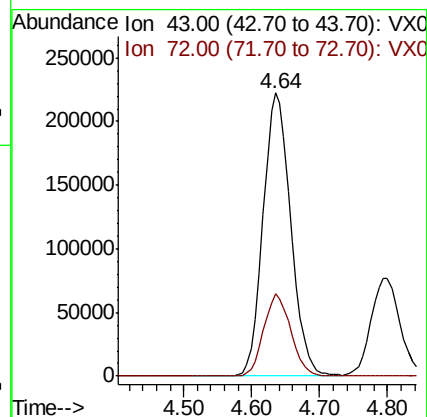
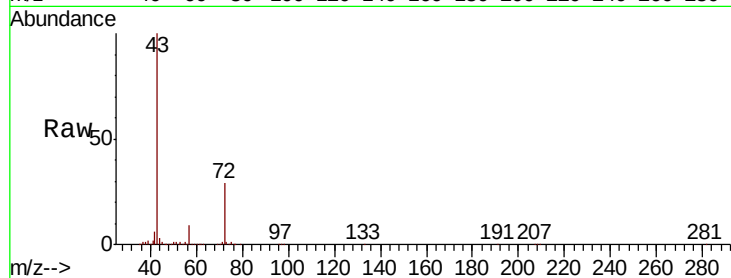
VSTDCCC050EC

Tot Ion: 43 Resp: 630336

Ion Ratio Lower Upper

43 100

72 29.3 21.8 32.8



#26

2,2-Dichloropropane

Concen: 42.483 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016348.D

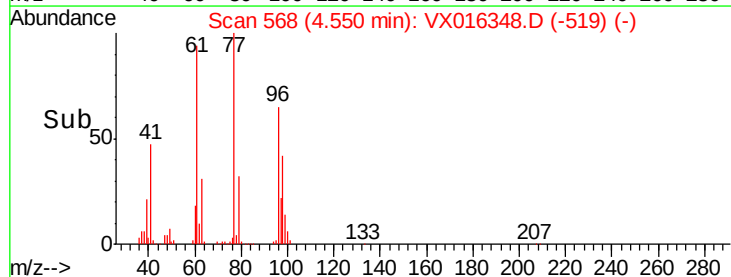
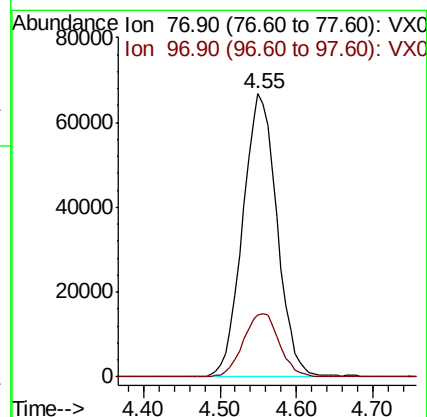
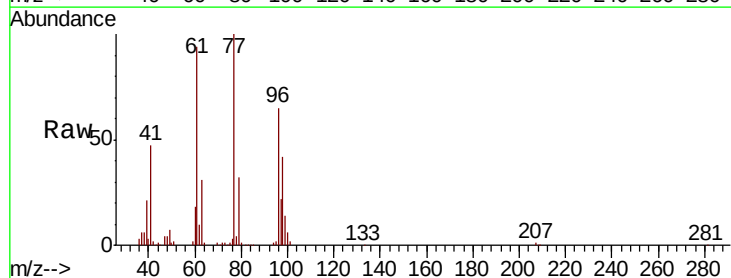
Acq: 19 May 2020 20:20

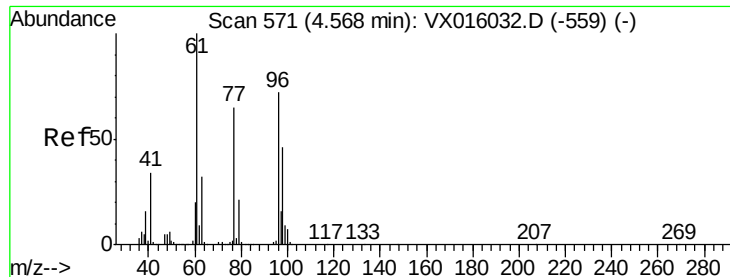
Tgt Ion: 77 Resp: 207733

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 51.024 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

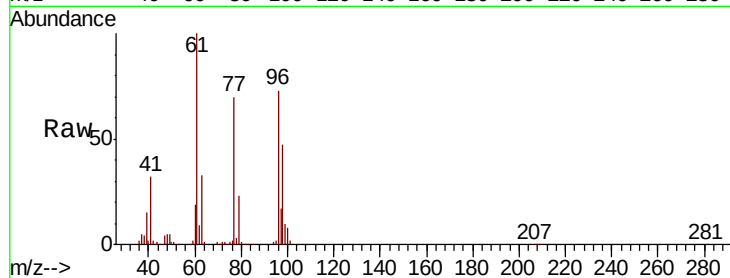
Tot Ion: 96 Resp: 172003

Ion Ratio Lower Upper

96 100

61 139.1 0.0 296.2

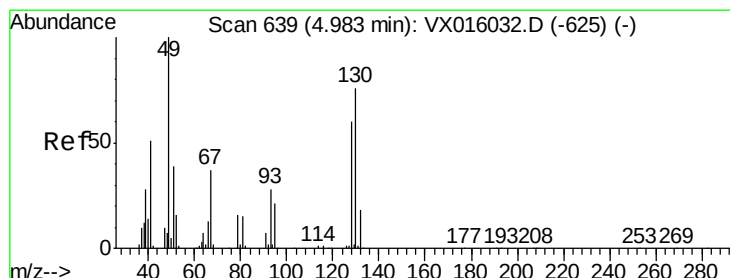
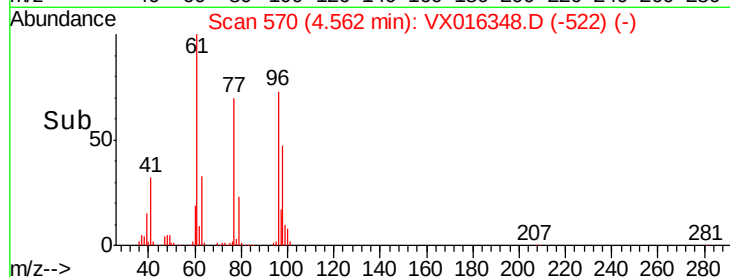
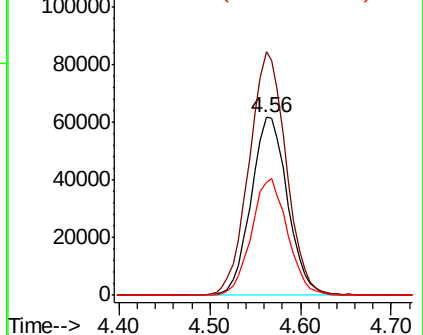
98 64.9 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 47.273 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

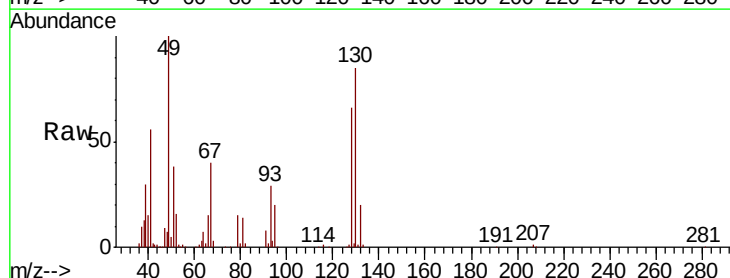
Tgt Ion: 49 Resp: 115415

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

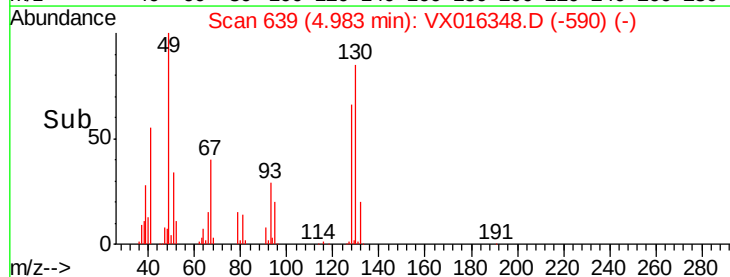
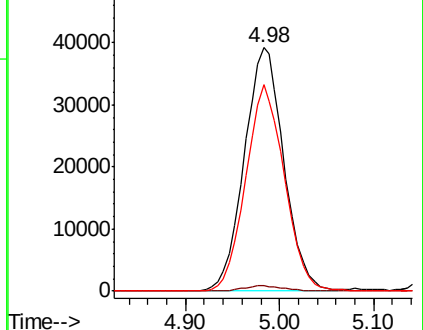
130 83.2 62.4 93.6

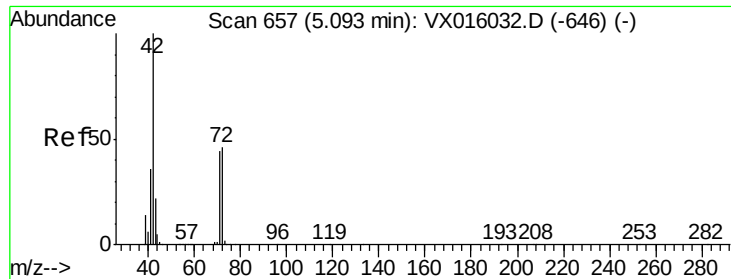


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 245.930 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

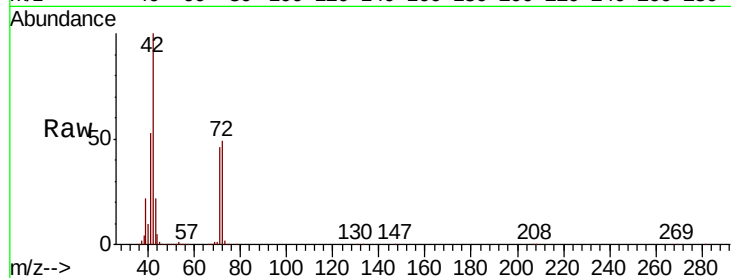
Tot Ion: 42 Resp: 410392

Ion Ratio Lower Upper

42 100

72 49.4 37.1 55.7

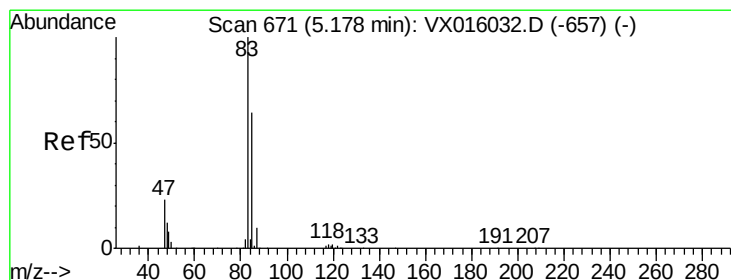
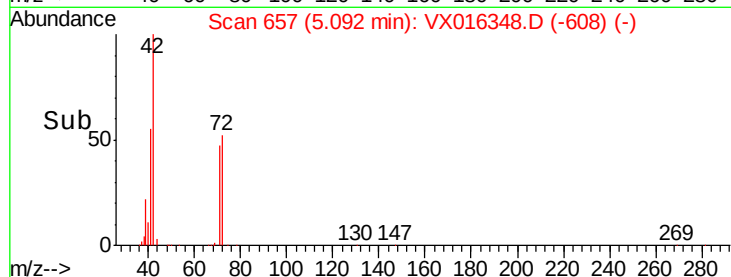
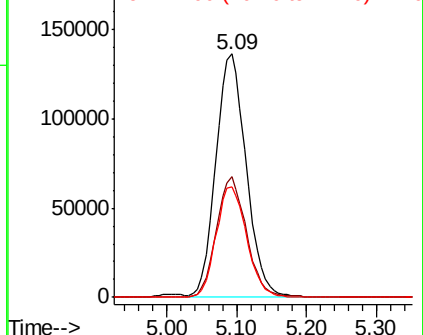
71 46.0 34.5 51.7



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: 51.126 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX016348.D

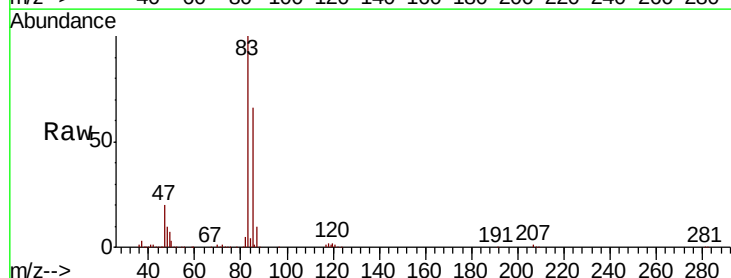
Acq: 19 May 2020 20:20

Tgt Ion: 83 Resp: 272558

Ion Ratio Lower Upper

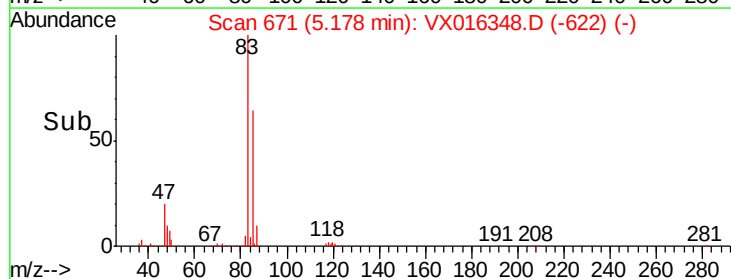
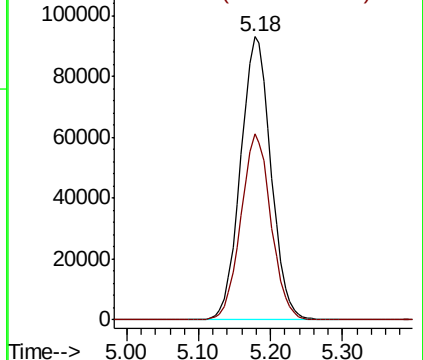
83 100

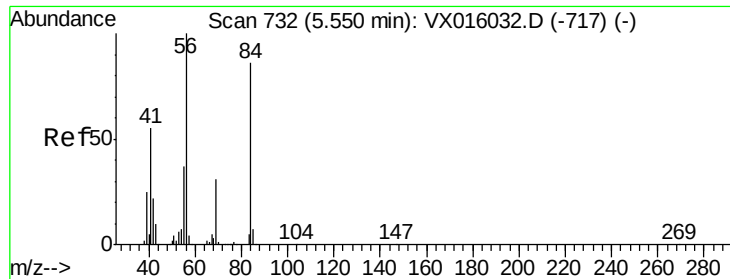
85 65.8 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

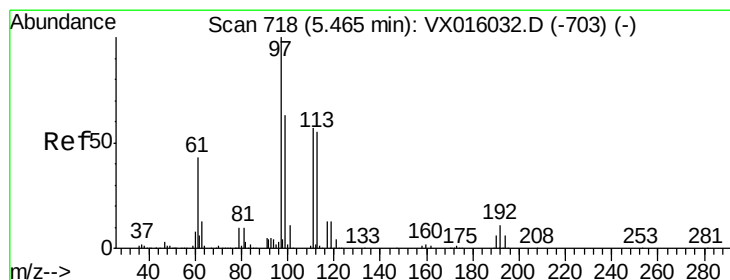
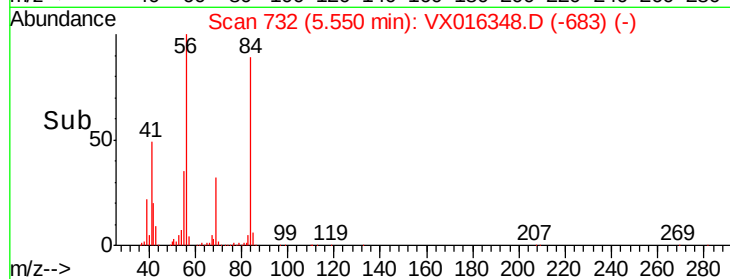
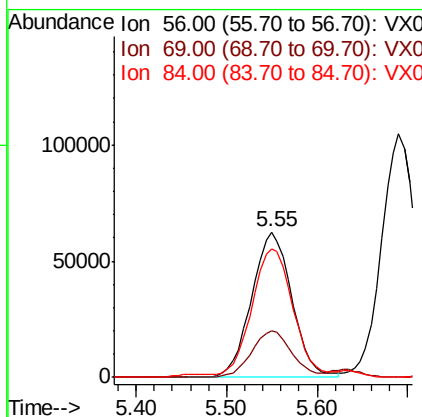
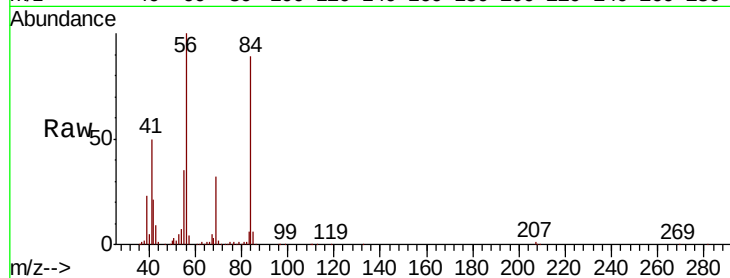




#31
Cyclohexane
Concen: 39.454 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

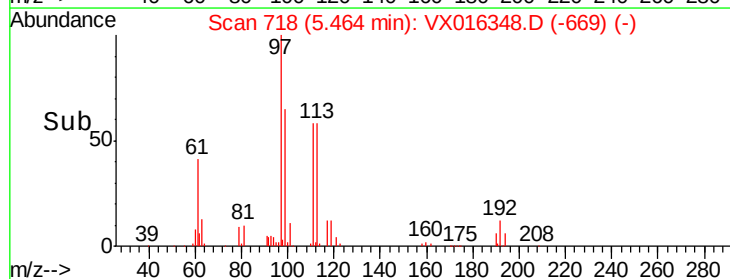
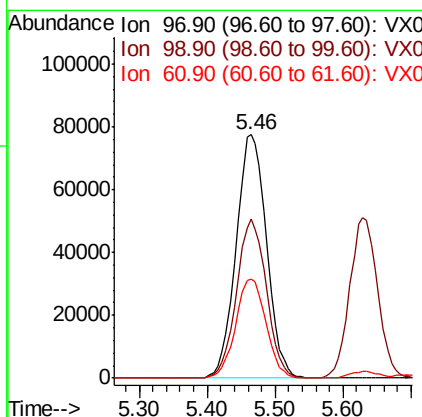
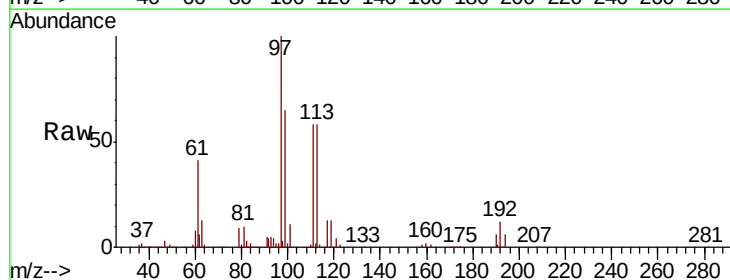
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

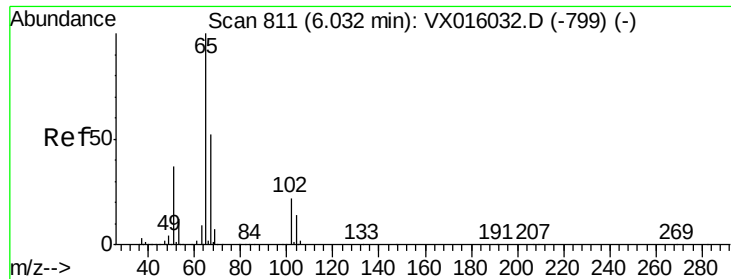
Tot Ion: 56 Resp: 191983
Ion Ratio Lower Upper
56 100
69 31.9 25.0 37.6
84 86.8 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 49.653 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Tgt Ion: 97 Resp: 240608
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.4
61 40.7 34.5 51.7

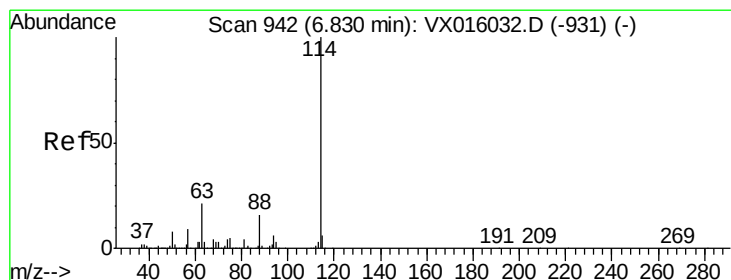
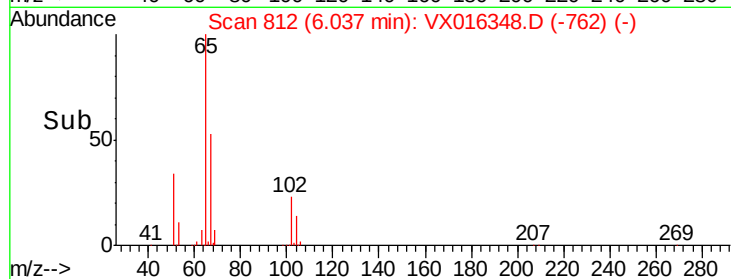
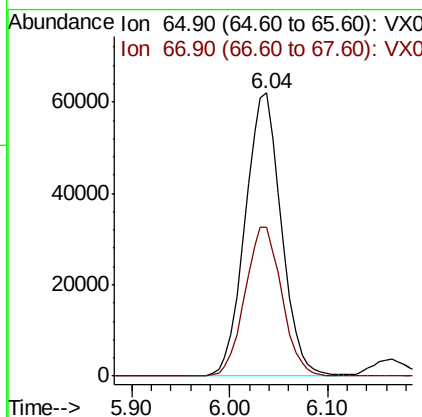
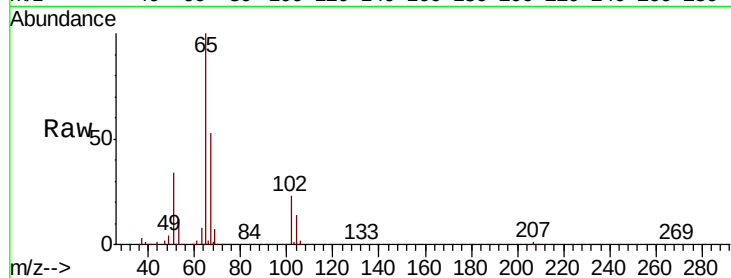




#33
 1,2-Dichloroethane-d4
 Concen: 45.617 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

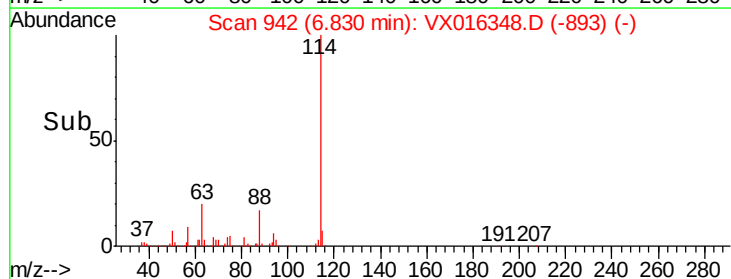
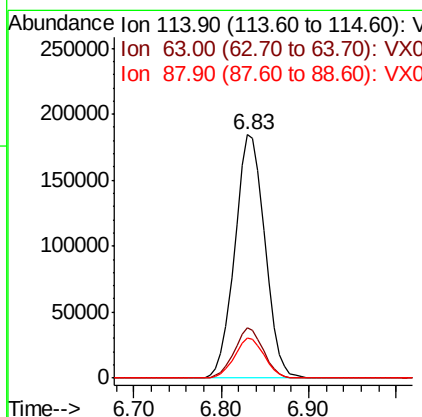
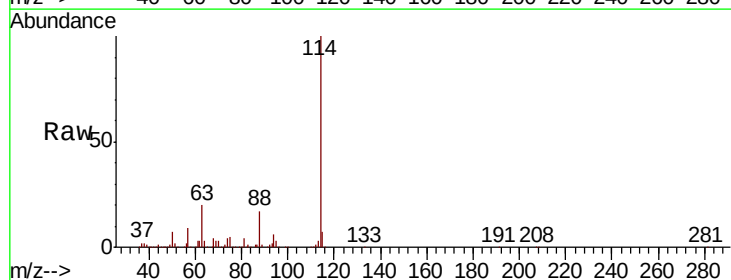
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

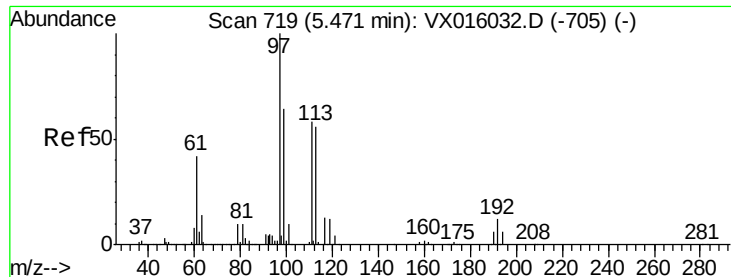
Tot Ion: 65 Resp: 159786
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Tgt Ion: 114 Resp: 440517
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.8
 88 16.7 0.0 31.4

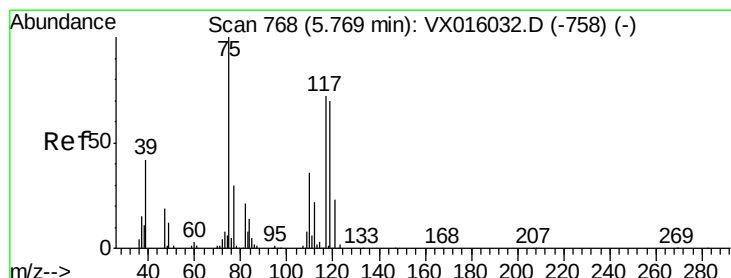
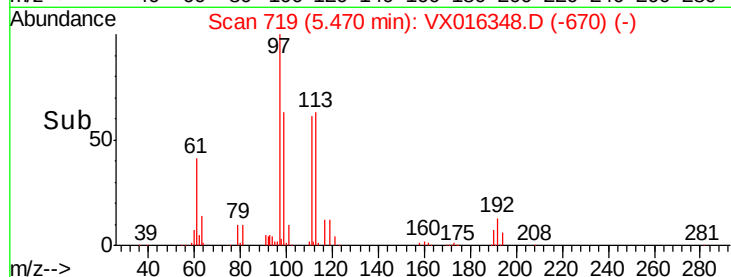
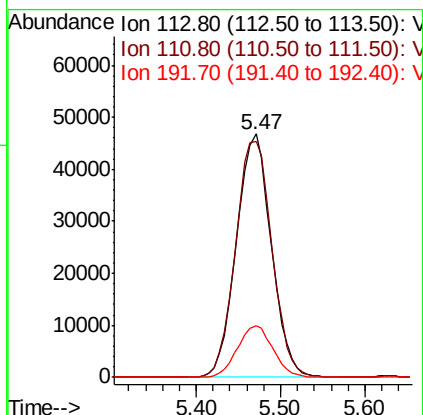
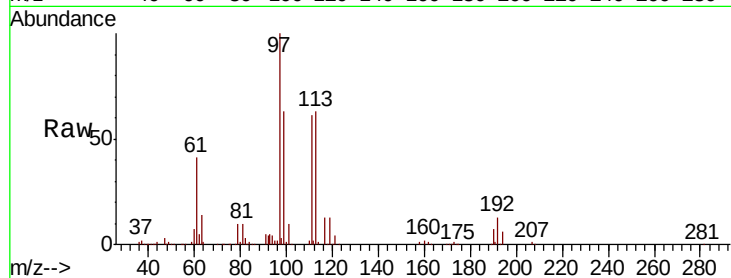




#35
 Dibromofluoromethane
 Concen: 46.989 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

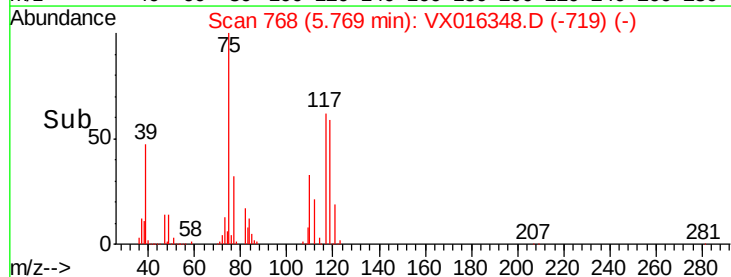
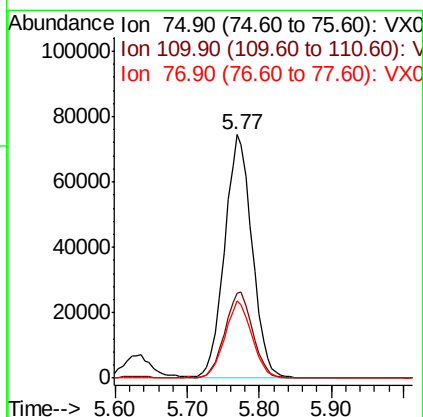
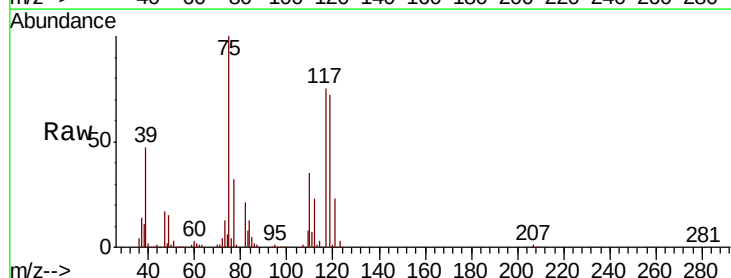
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

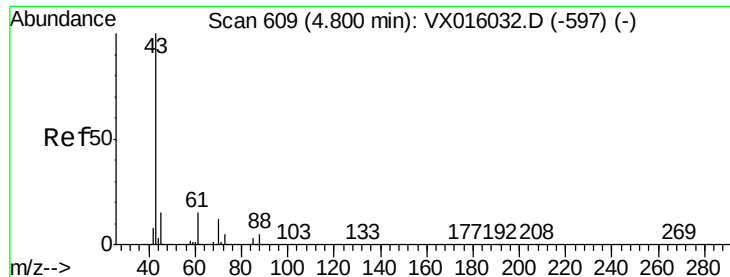
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.6	122.4
192	21.6	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 45.643 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.1	54.1
77	31.0	25.0	37.6

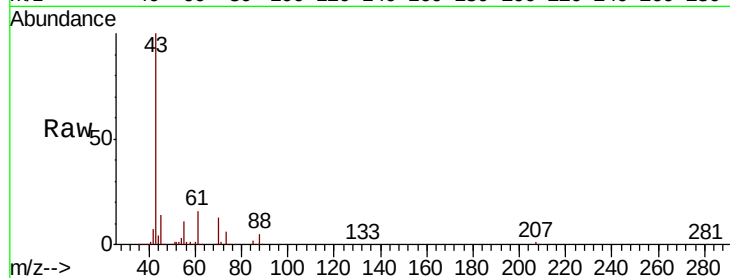




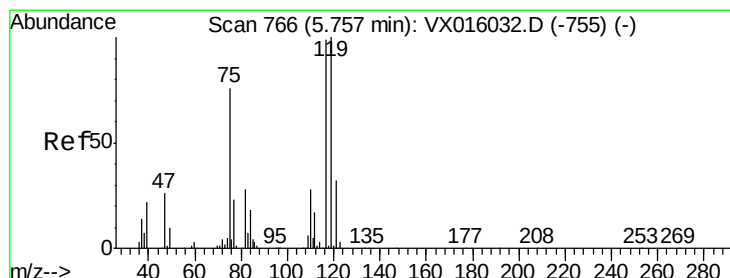
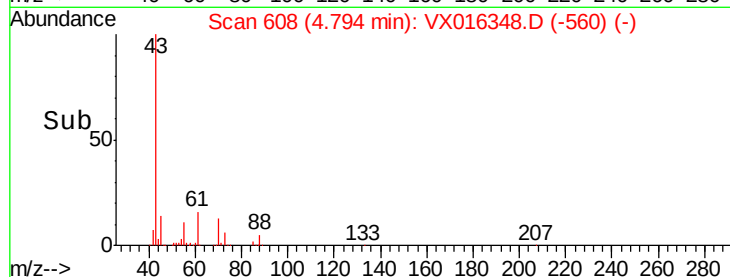
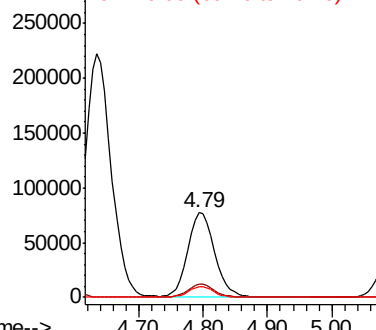
#37
Ethyl Acetate
Concen: 45.792 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 230142
Ion Ratio Lower Upper
43 100
61 15.4 11.7 17.5
70 12.5 9.3 13.9

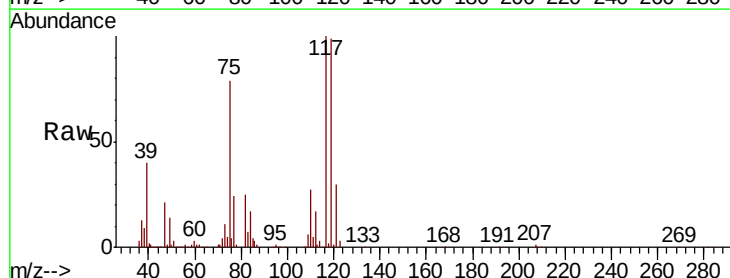


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

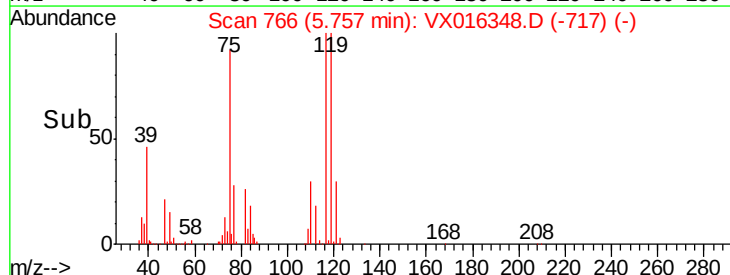
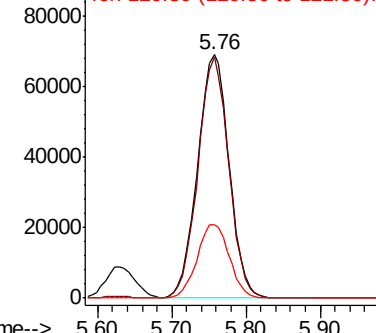


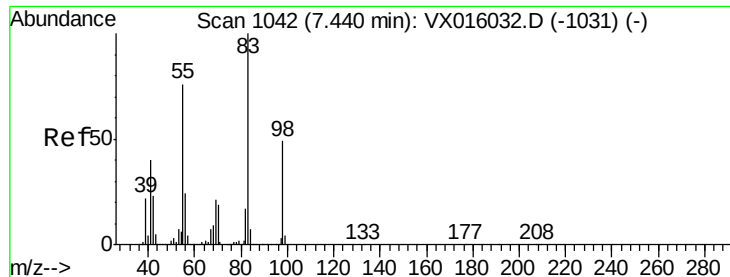
#38
Carbon Tetrachloride
Concen: 46.438 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Tgt Ion: 117 Resp: 204676
Ion Ratio Lower Upper
117 100
119 98.8 80.3 120.5
121 29.9 25.7 38.5



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

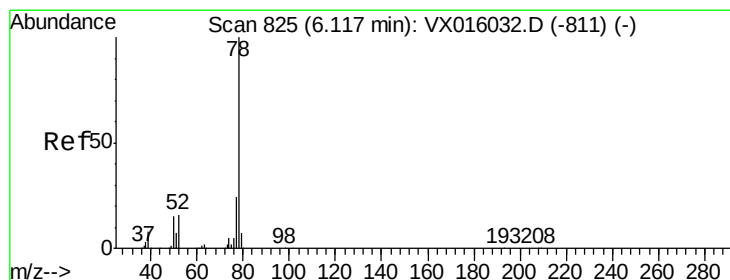
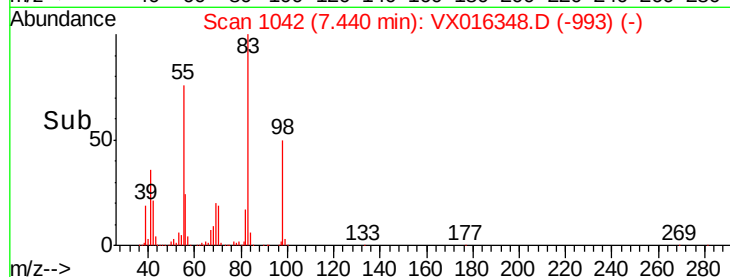
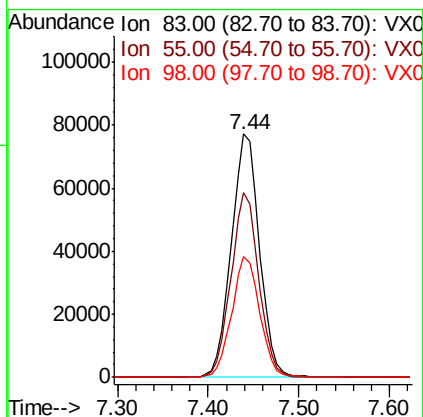
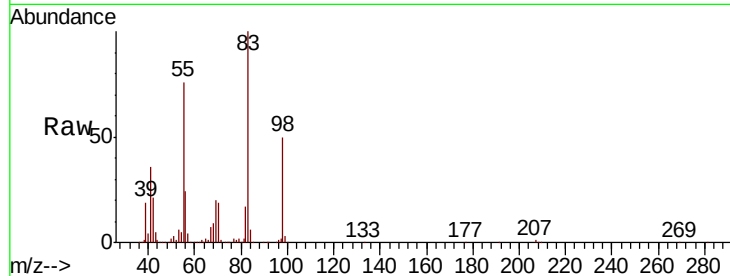




#39
Methylvlcyclohexane
Concen: 31.838 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

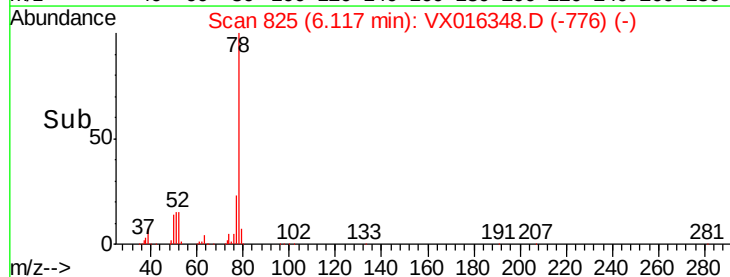
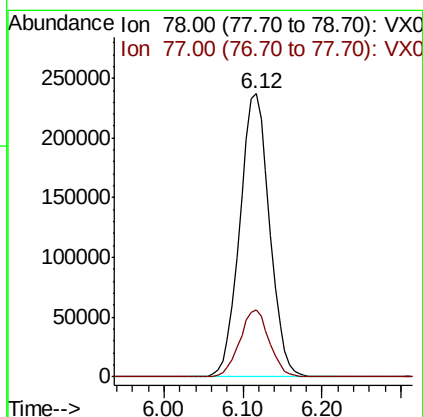
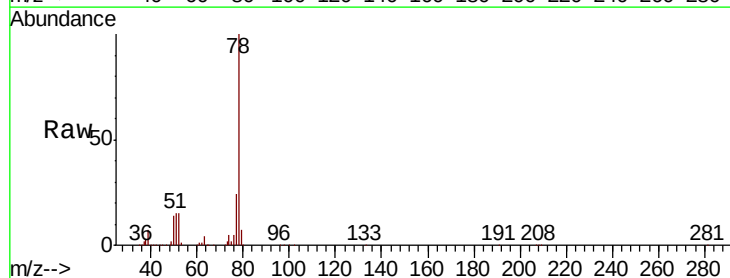
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

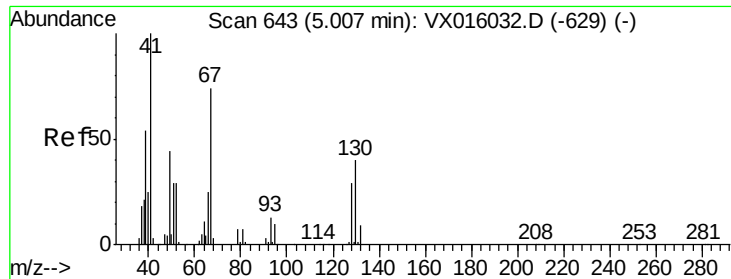
Tot Ion: 83 Resp: 166261
Ion Ratio Lower Upper
83 100
55 75.7 61.1 91.7
98 49.6 39.0 58.4



#40
Benzene
Concen: 49.039 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Tgt Ion: 78 Resp: 622193
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4

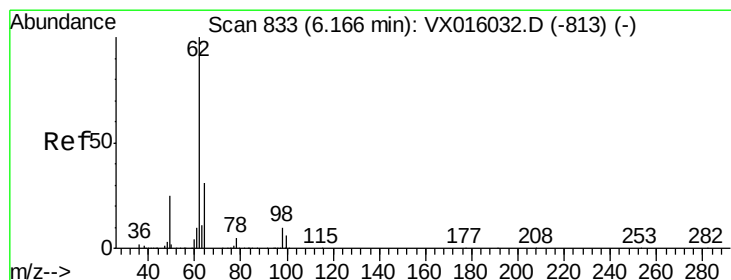
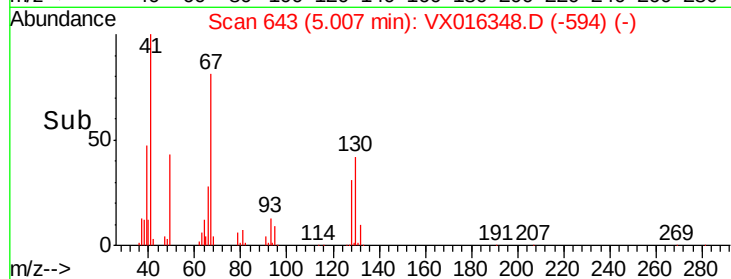
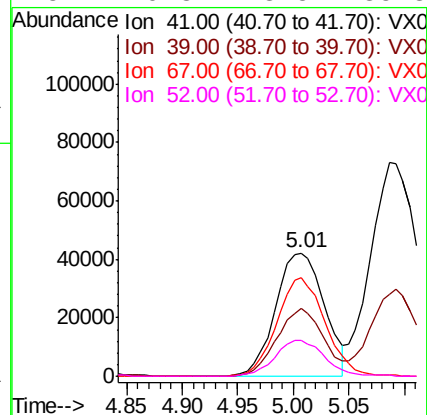
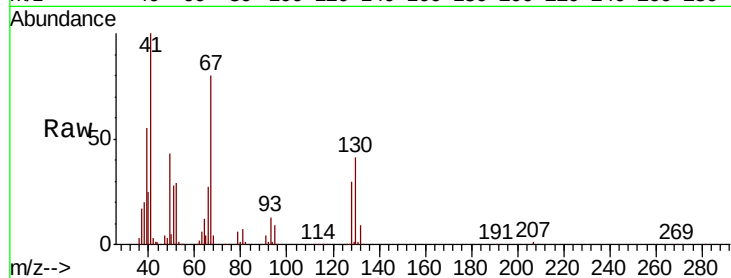




#41
Methacrylonitrile
Concen: 47.263 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

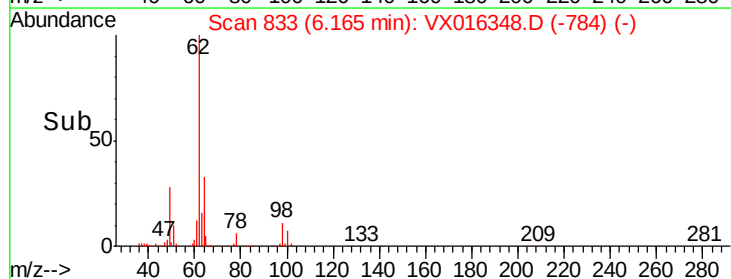
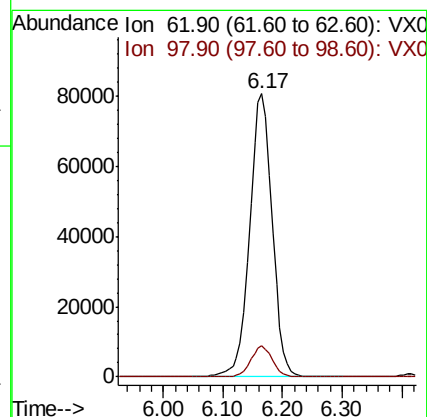
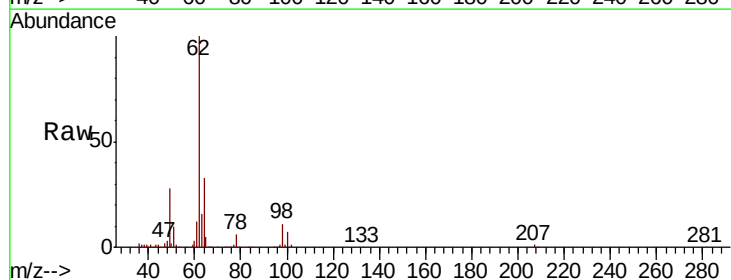
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

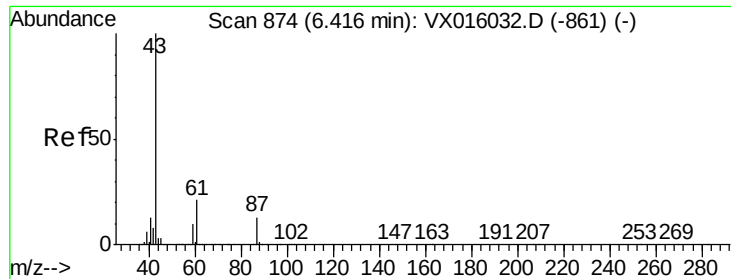
Tot Ion:	41	Resp:	128281
Ion	Ratio	Lower	Upper
41	100		
39	51.8	43.2	64.8
67	79.5	59.3	88.9
52	29.8	23.5	35.3



#42
1,2-Dichloroethane
Concen: 46.415 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Tgt Ion:	62	Resp:	212143
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.4





#43

Isopropyl Acetate

Concen: 45.737 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

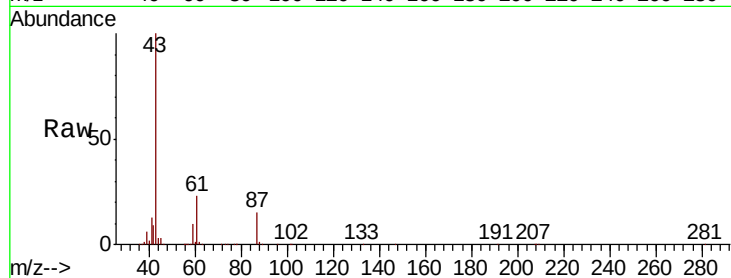
Tot Ion: 43 Resp: 366762

Ion Ratio Lower Upper

43 100

61 22.7 17.0 25.4

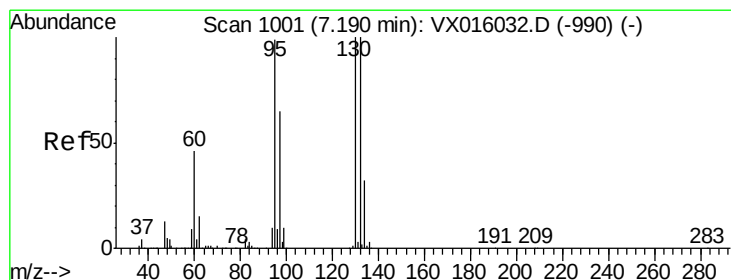
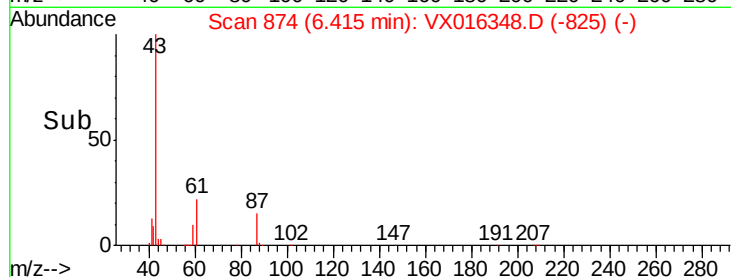
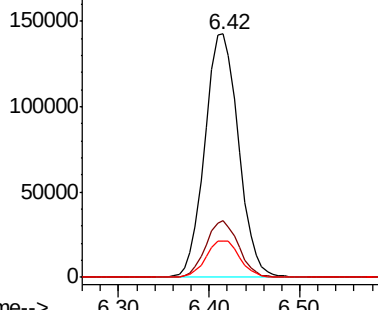
87 15.1 11.0 16.6



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: 42.834 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016348.D

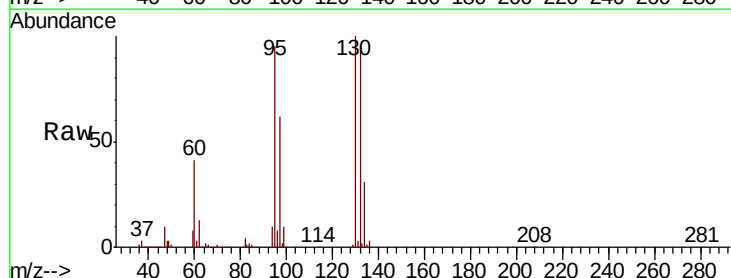
Acq: 19 May 2020 20:20

Tgt Ion:130 Resp: 193073

Ion Ratio Lower Upper

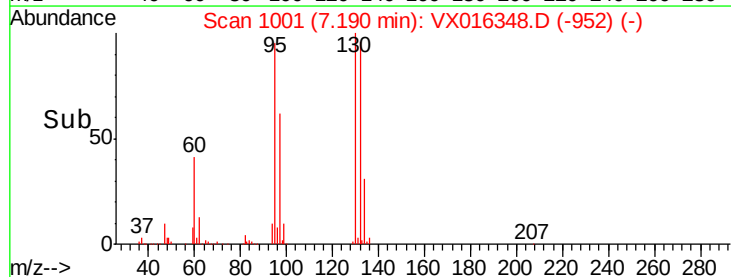
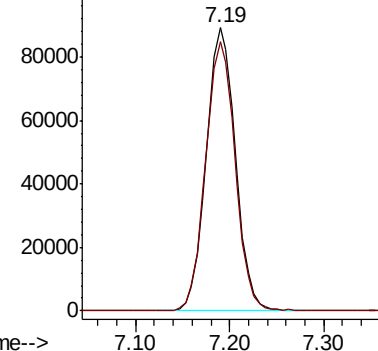
130 100

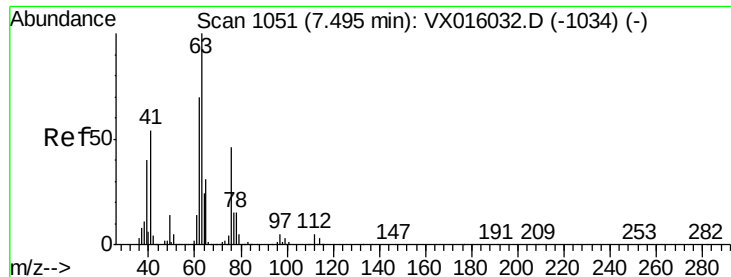
95 95.2 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 50.488 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

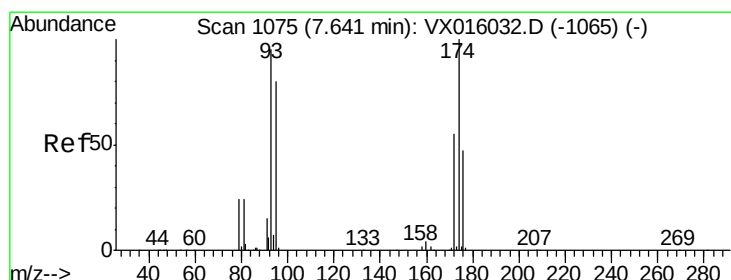
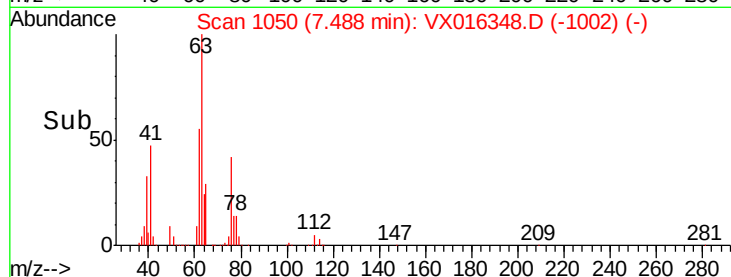
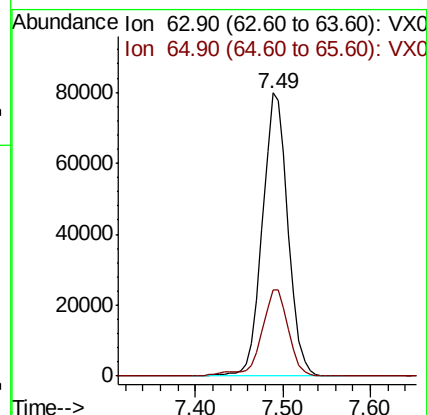
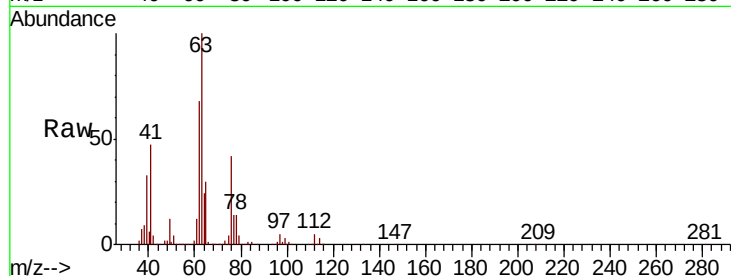
VSTDCCC050EC

Tot Ion: 63 Resp: 162087

Ion Ratio Lower Upper

63 100

65 30.3 24.4 36.6



#46

Dibromomethane

Concen: 49.163 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

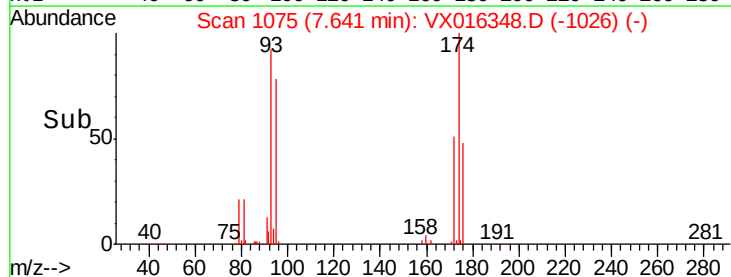
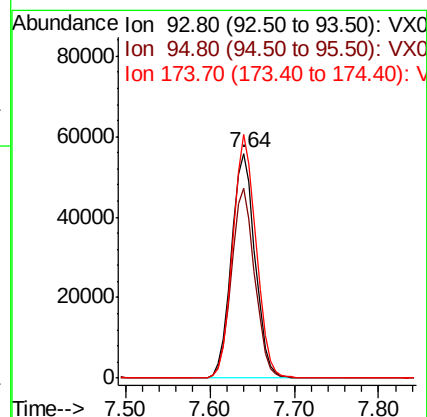
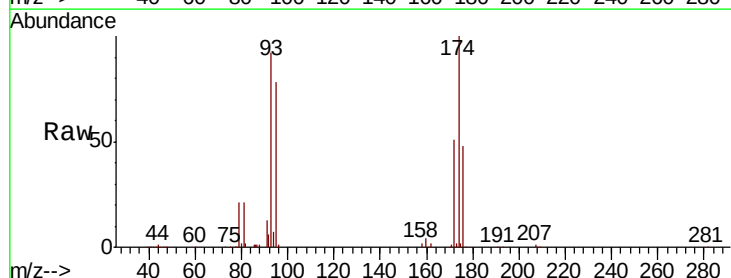
Tgt Ion: 93 Resp: 107259

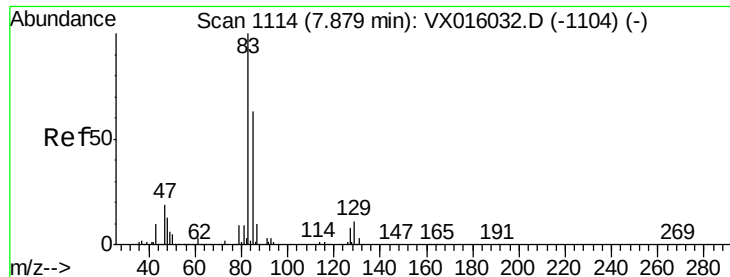
Ion Ratio Lower Upper

93 100

95 83.2 66.6 100.0

174 106.5 84.2 126.4





#47

Bromodichloromethane

Concen: 50.391 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

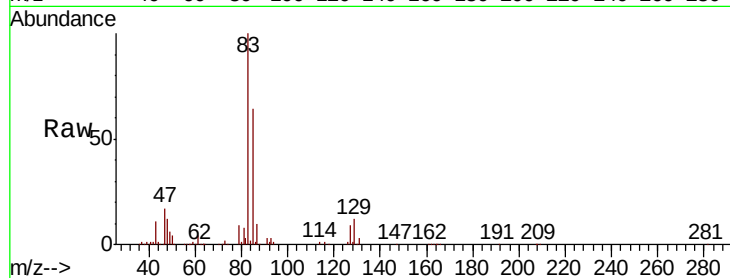
Tot Ion: 83 Resp: 223908

Ion Ratio Lower Upper

83 100

85 63.8 50.5 75.7

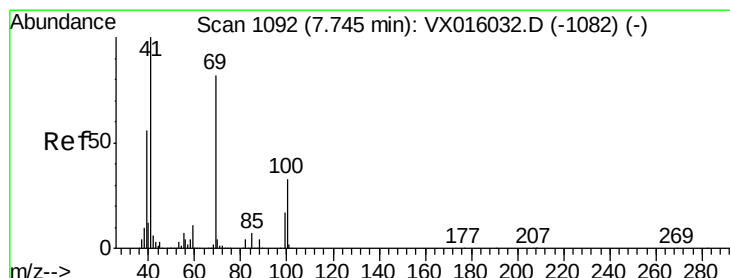
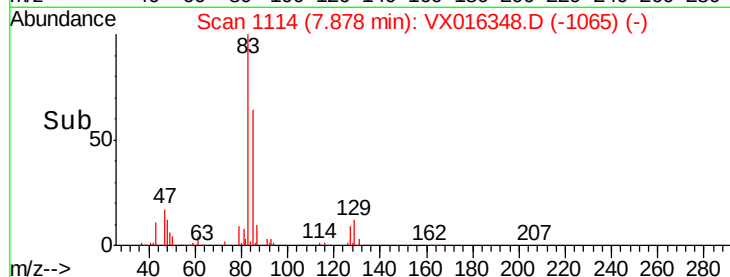
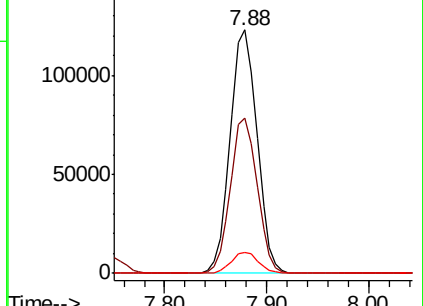
127 8.7 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.367 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

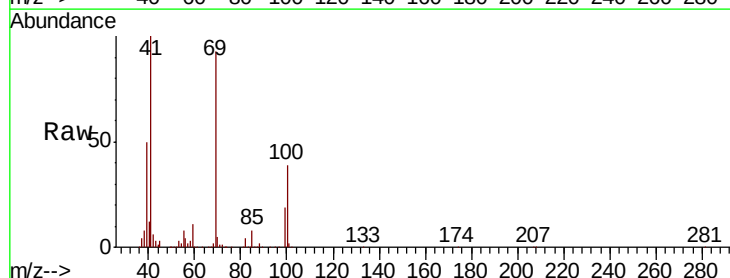
Tgt Ion: 41 Resp: 179981

Ion Ratio Lower Upper

41 100

69 91.3 67.8 101.6

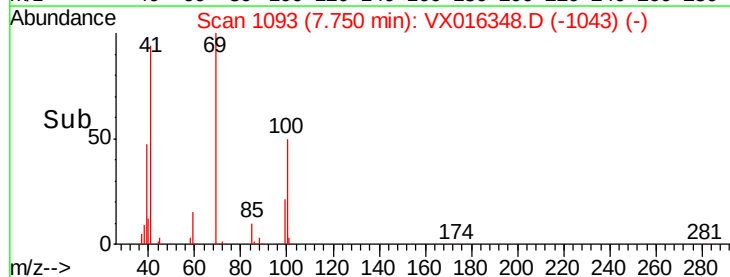
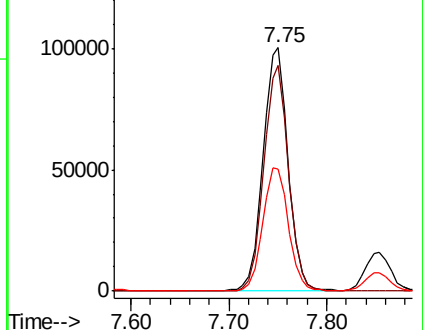
39 51.8 44.6 67.0

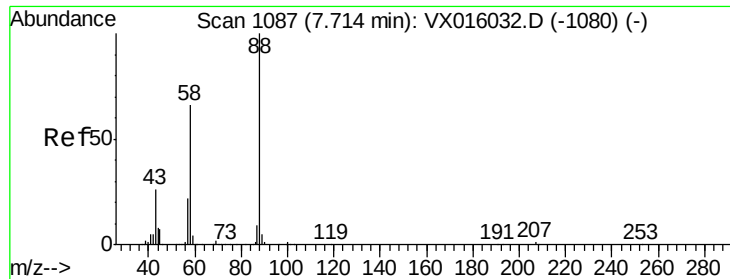


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 906.302 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

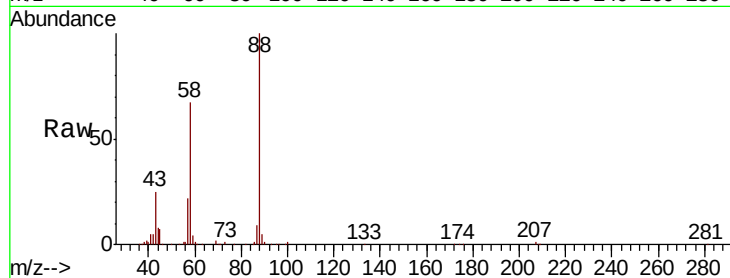
Tot Ion: 88 Resp: 82592

Ion Ratio Lower Upper

88 100

43 28.7 25.3 37.9

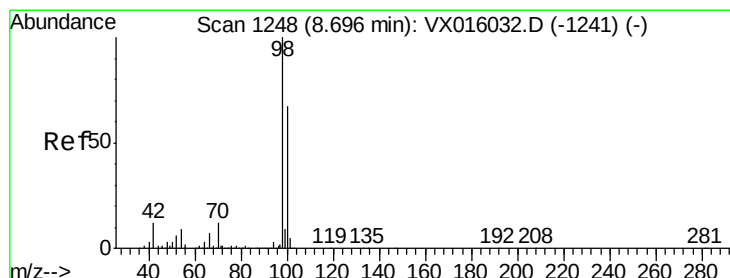
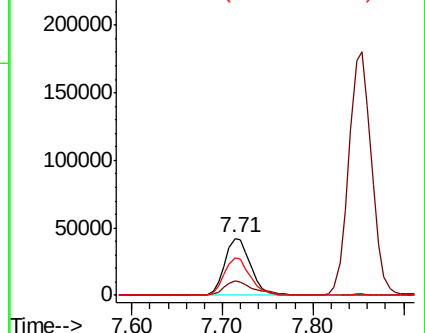
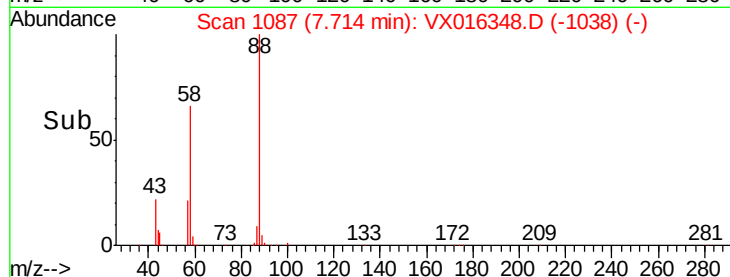
58 68.1 55.9 83.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 45.988 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016348.D

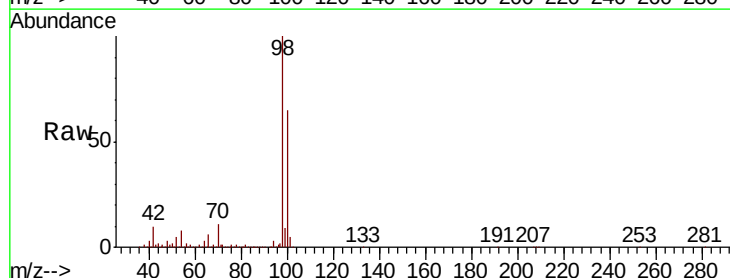
Acq: 19 May 2020 20:20

Tgt Ion: 98 Resp: 494527

Ion Ratio Lower Upper

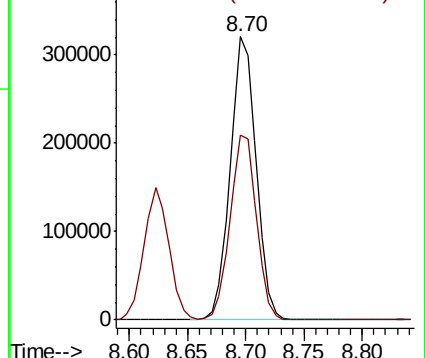
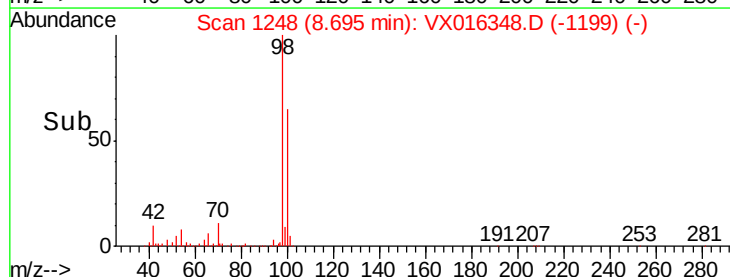
98 100

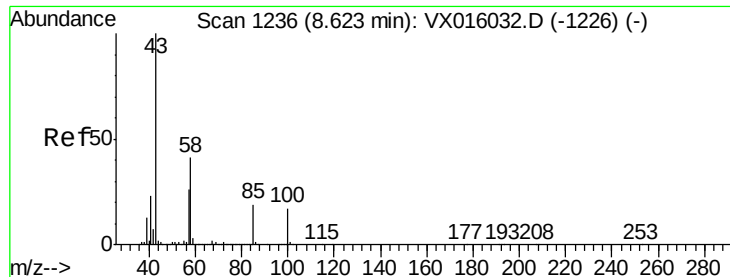
100 66.7 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

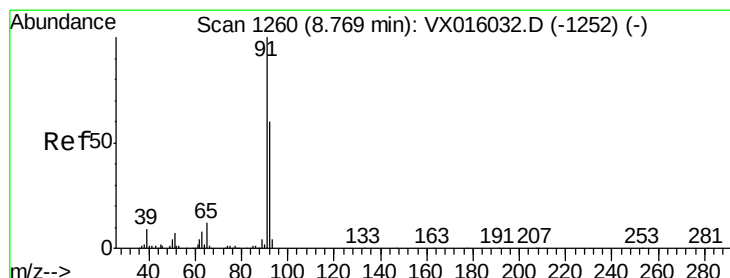
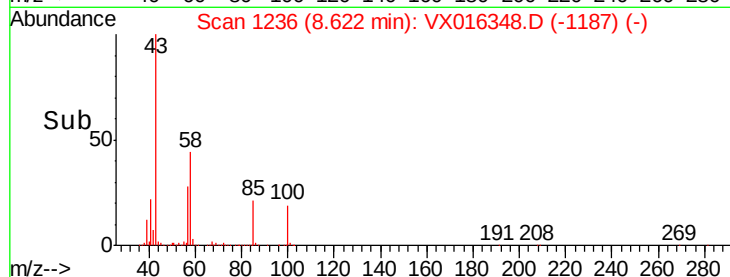
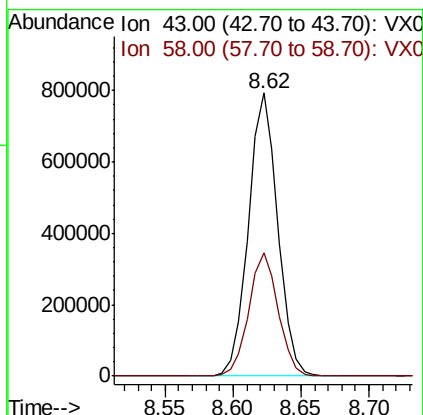
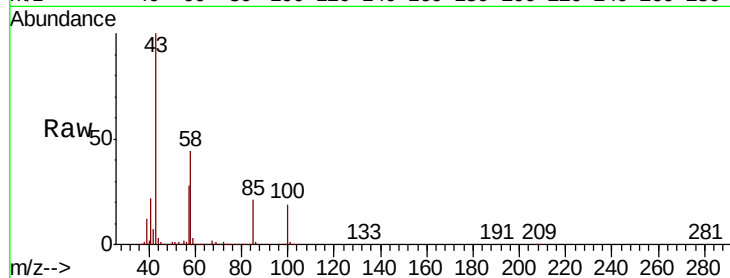




#51
 4-Methyl-2-Pentanone
 Concen: 243.857 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

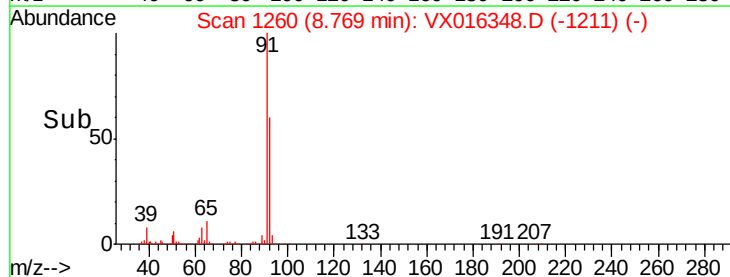
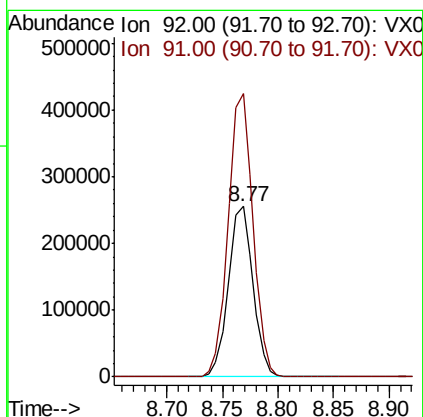
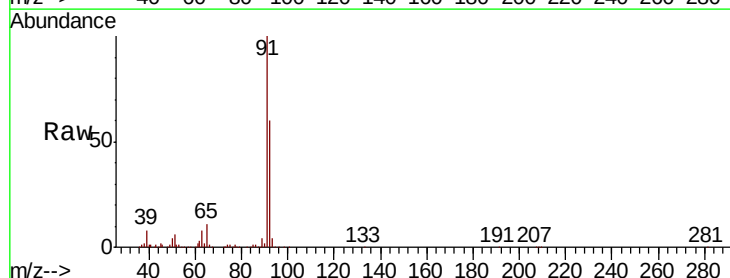
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

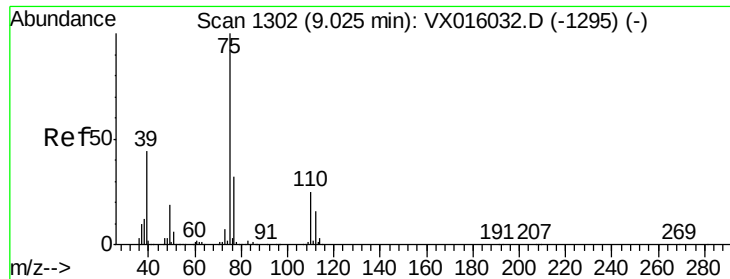
Tot Ion: 43 Resp: 1196638
 Ion Ratio Lower Upper
 43 100
 58 43.6 33.0 49.4



#52
 Toluene
 Concen: 49.455 ug/l
 RT: 8.77 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Tgt Ion: 92 Resp: 391116
 Ion Ratio Lower Upper
 92 100
 91 167.0 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 48.236 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

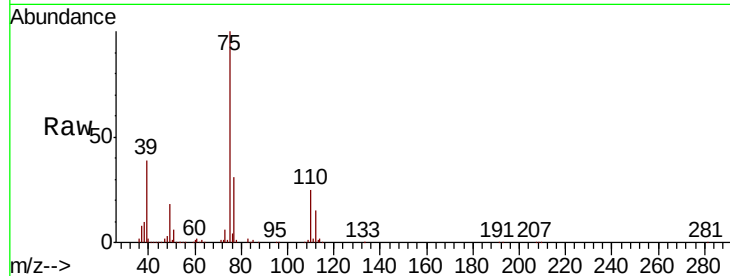
VSTDCCC050EC

Tot Ion: 75 Resp: 255549

Ion Ratio Lower Upper

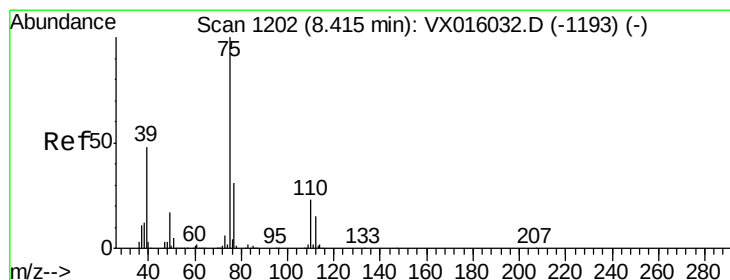
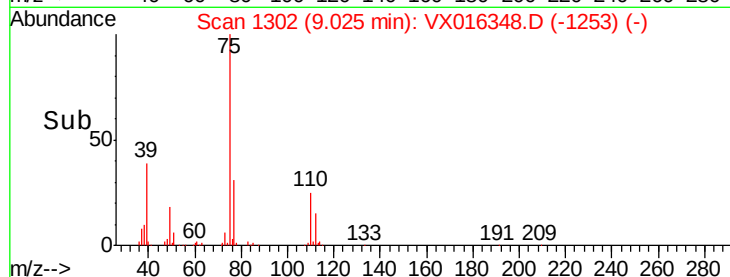
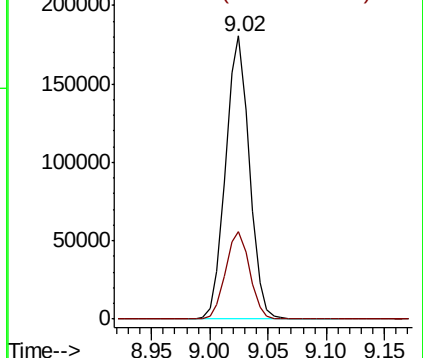
75 100

77 31.1 25.7 38.5



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: 48.724 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

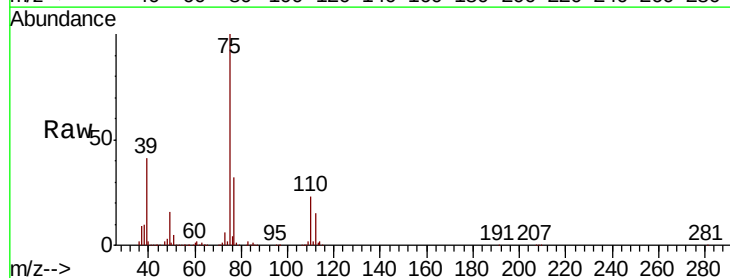
Tgt Ion: 75 Resp: 269622

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

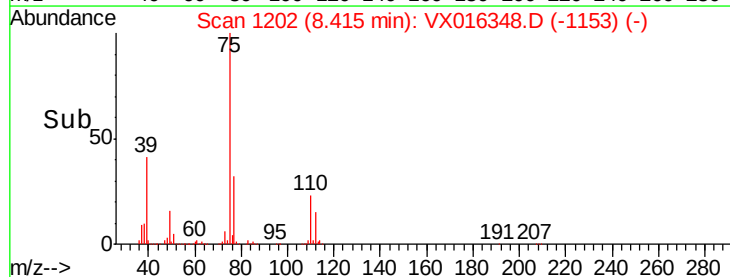
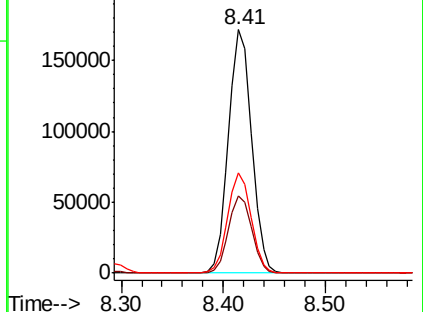
39 41.3 38.7 58.1

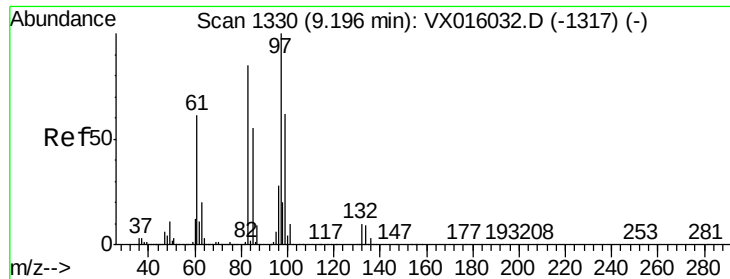


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

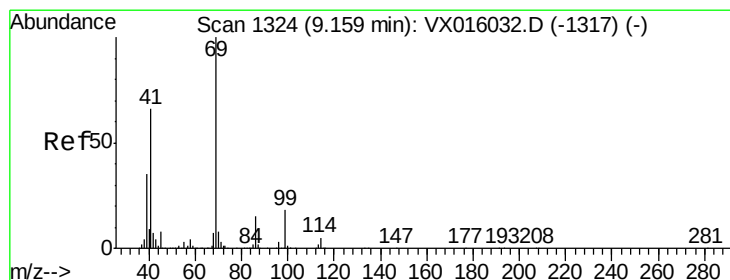
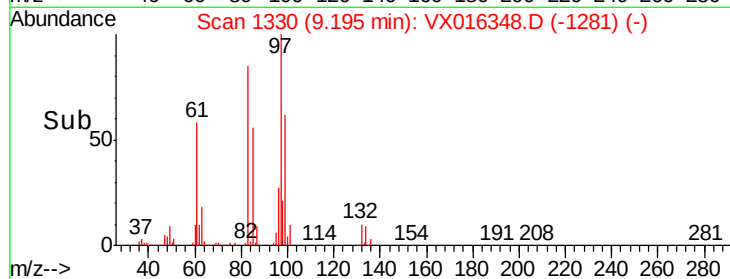
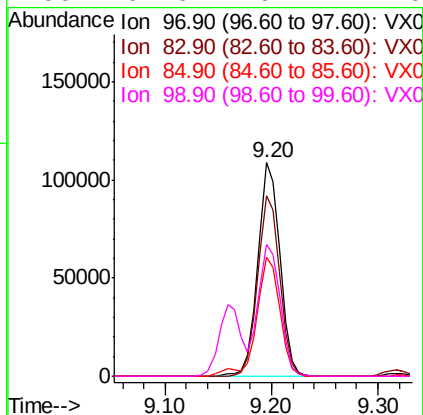
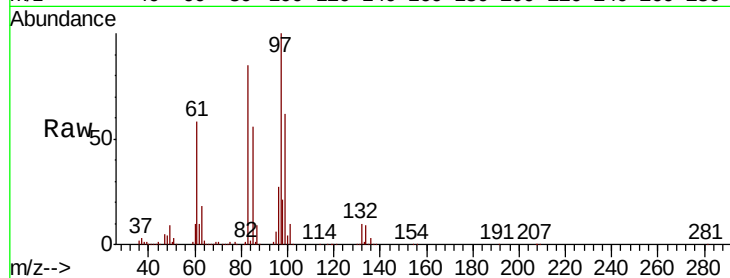




#55
 1,1,2-Trichloroethane
 Concen: 51.273 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

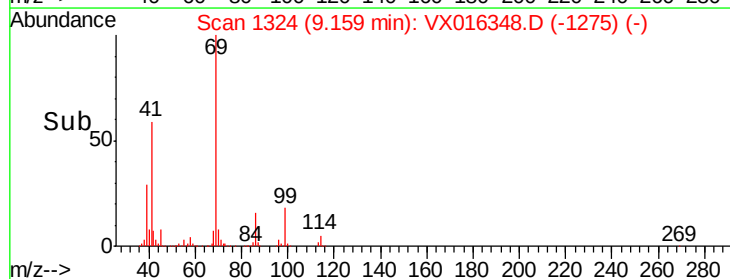
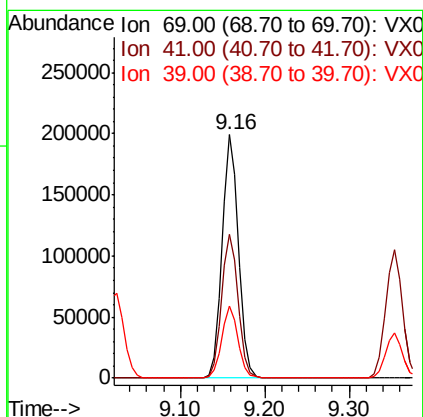
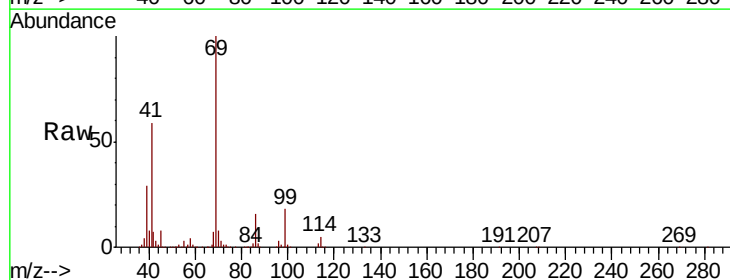
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

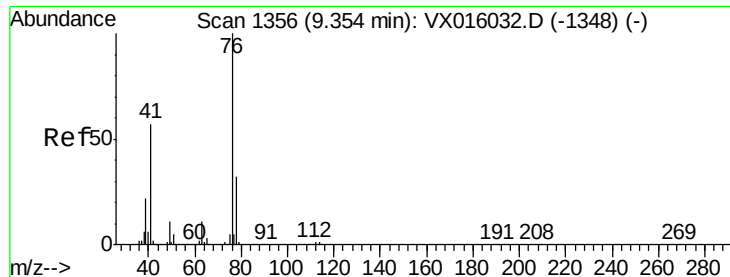
Tot Ion:	97	Resp:	159536
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.8	101.8
85	55.5	43.8	65.8
99	61.6	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 52.816 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Tgt Ion:	69	Resp:	268247
Ion	Ratio	Lower	Upper
69	100		
41	59.7	52.2	78.4
39	29.5	28.2	42.4

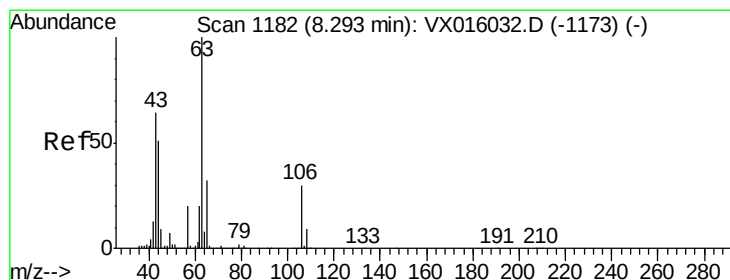
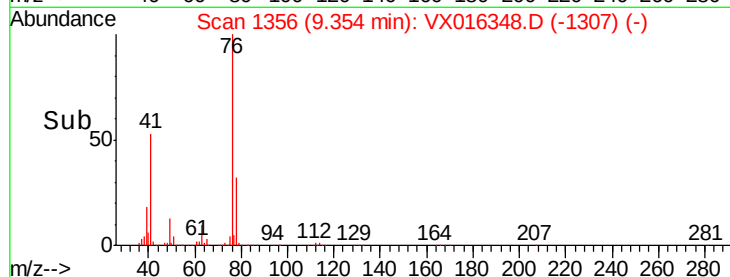
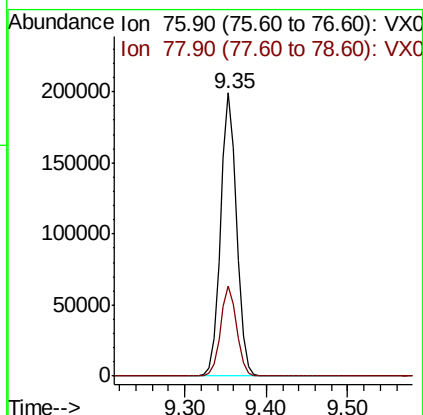
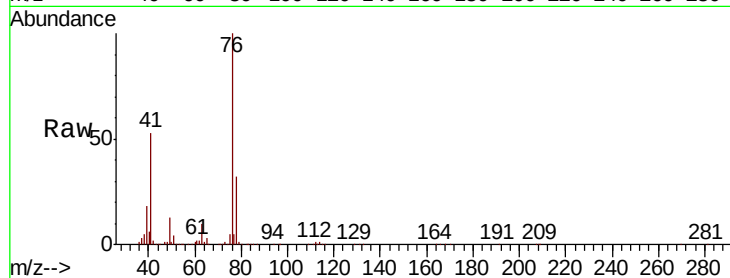




#57
 1,3-Dichloropropane
 Concen: 50.523 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

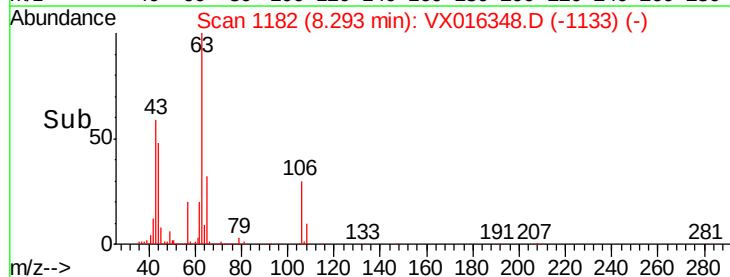
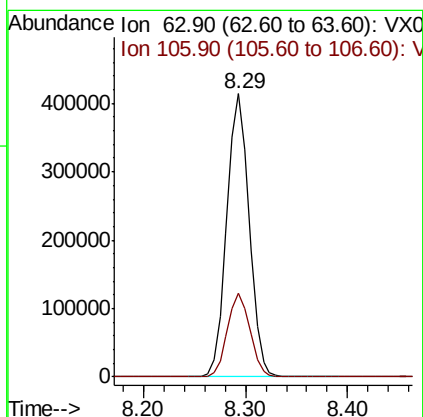
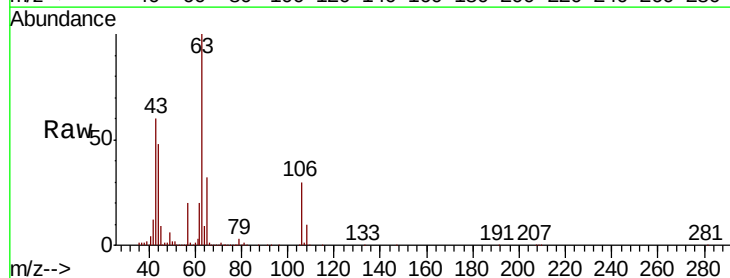
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

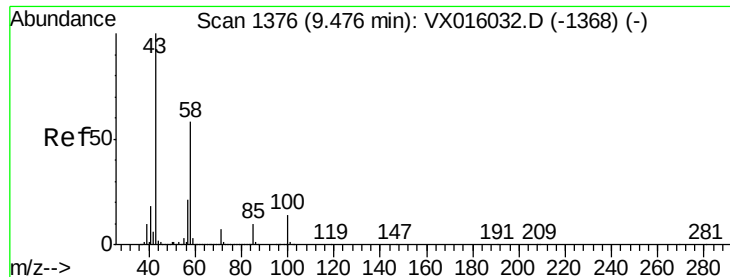
Tot Ion: 76 Resp: 274298
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.517 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Tgt Ion: 63 Resp: 628699
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.4 35.2

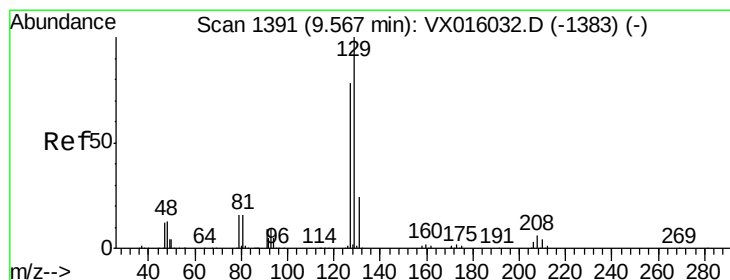
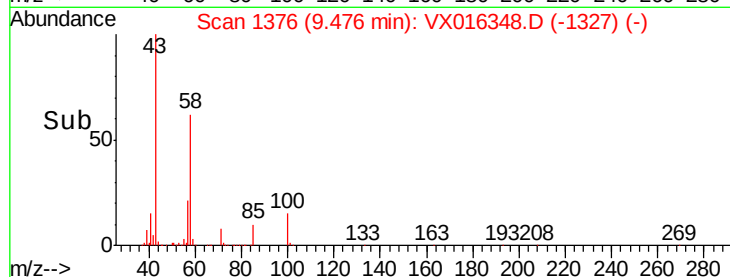
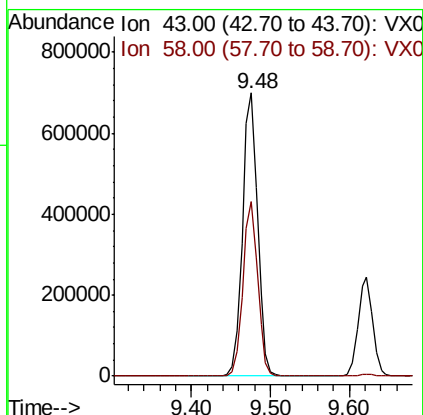
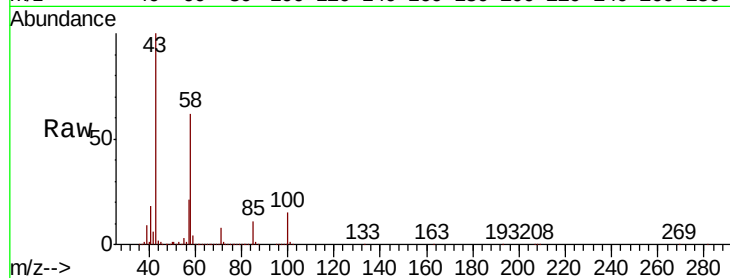




#59
2-Hexanone
Concen: 240.727 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

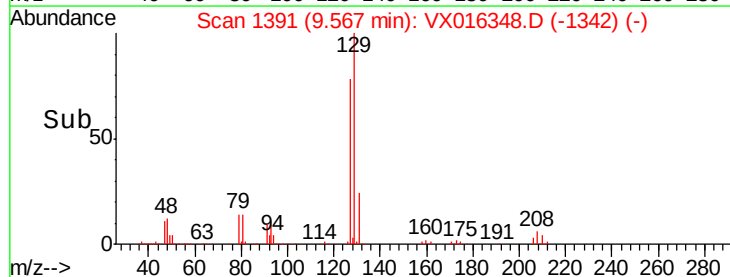
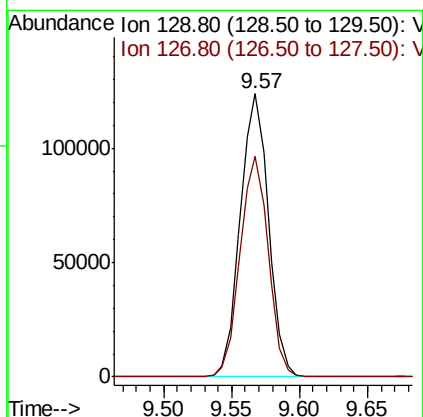
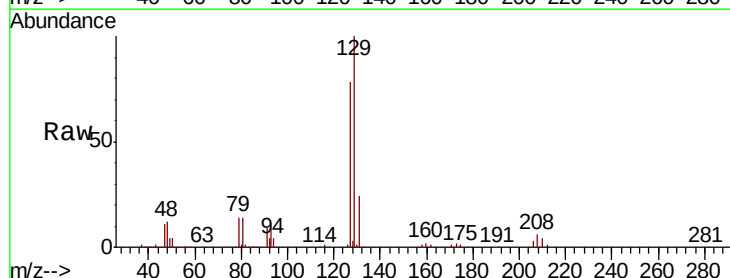
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

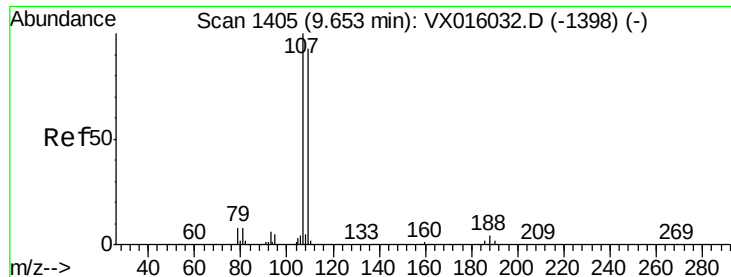
Tot Ion: 43 Resp: 927683
Ion Ratio Lower Upper
43 100
58 60.7 28.6 85.9



#60
Dibromochloromethane
Concen: 52.405 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Tgt Ion: 129 Resp: 179583
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 50.519 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

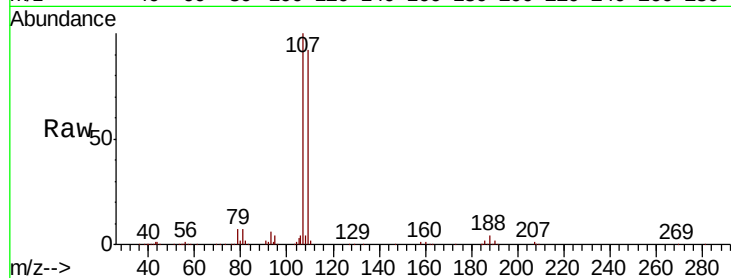
VSTDCCC050EC

Tot Ion: 107 Resp: 170262

Ion Ratio Lower Upper

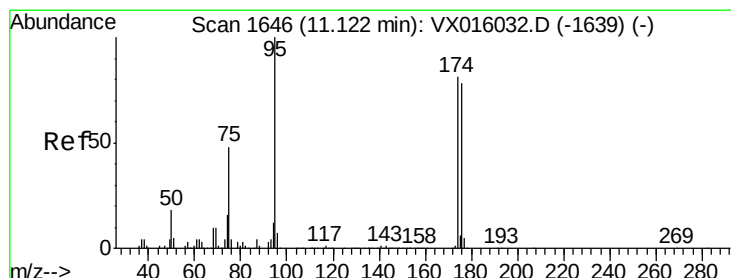
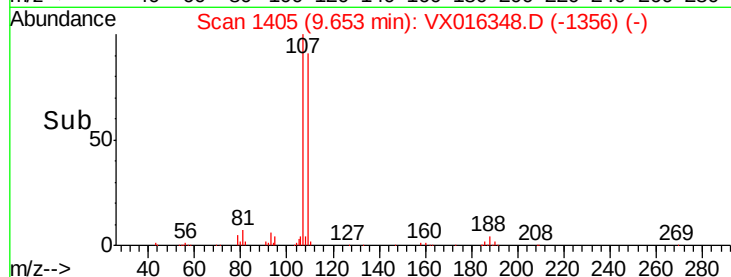
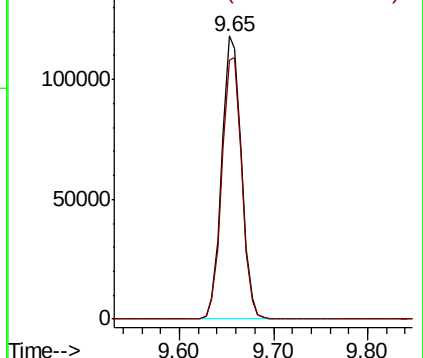
107 100

109 93.9 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.810 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

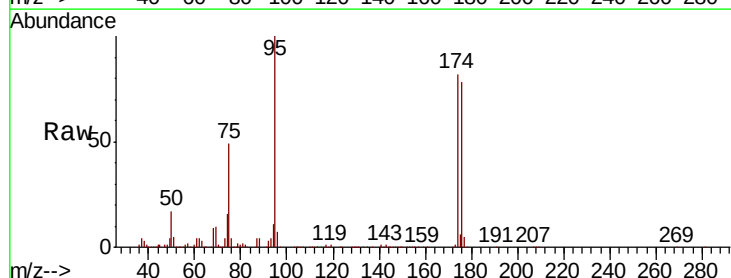
Tgt Ion: 95 Resp: 191458

Ion Ratio Lower Upper

95 100

174 81.3 0.0 159.4

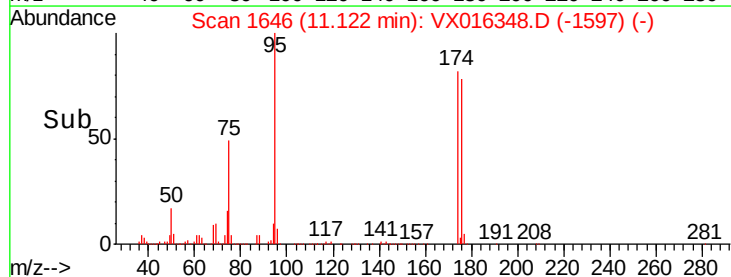
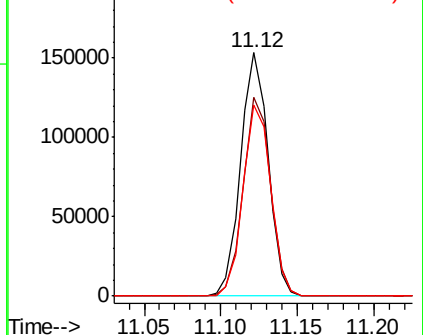
176 79.6 0.0 157.6

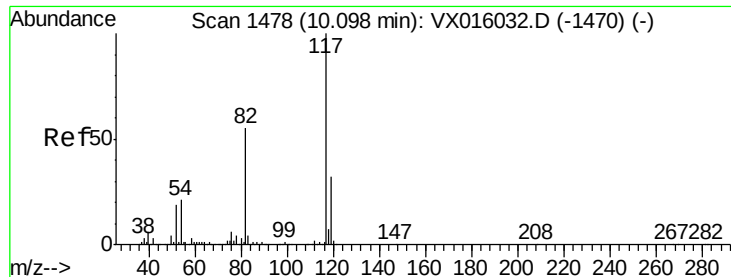


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

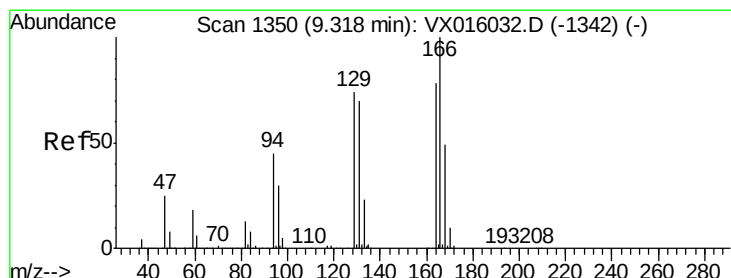
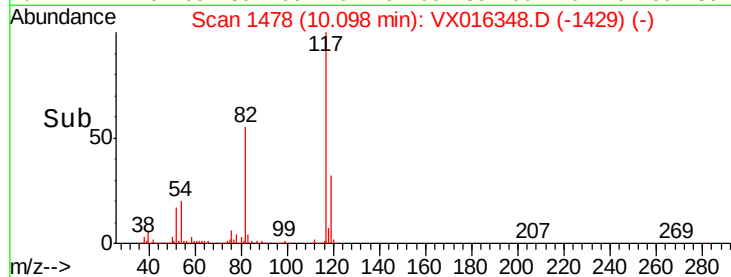
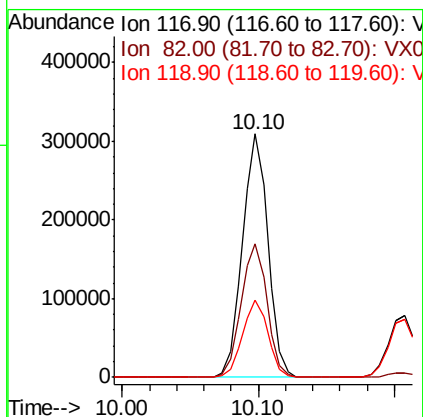
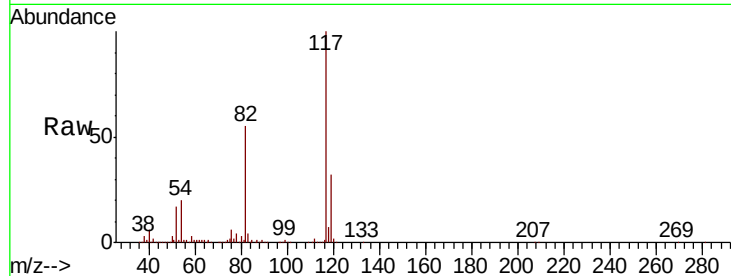




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

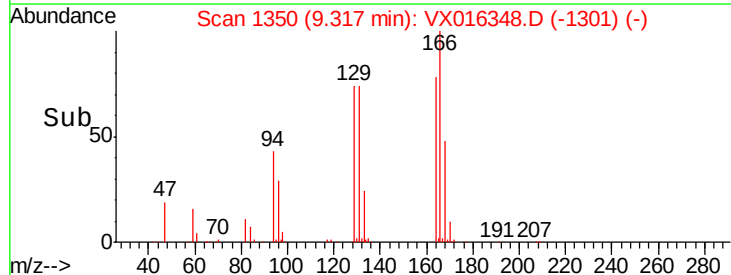
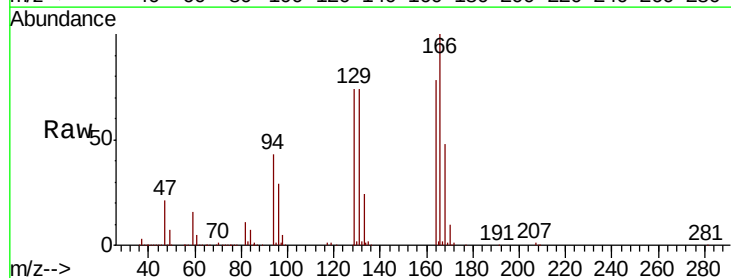
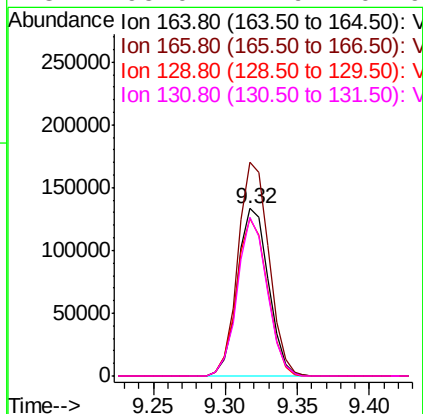
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

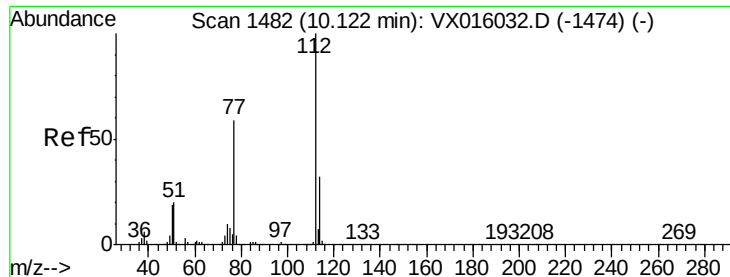
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.4	66.6
119	31.8	25.5	38.3



#64
Tetrachloroethene
Concen: 40.325 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.9	154.3
129	94.1	76.1	114.1
131	95.0	71.9	107.9

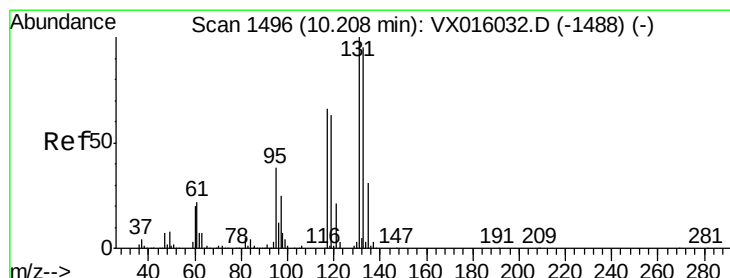
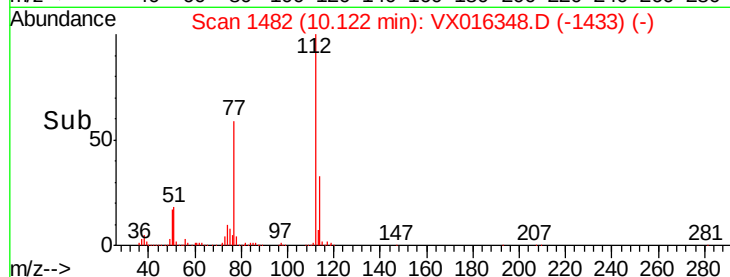
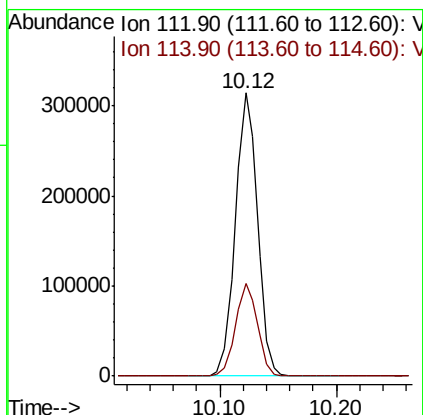
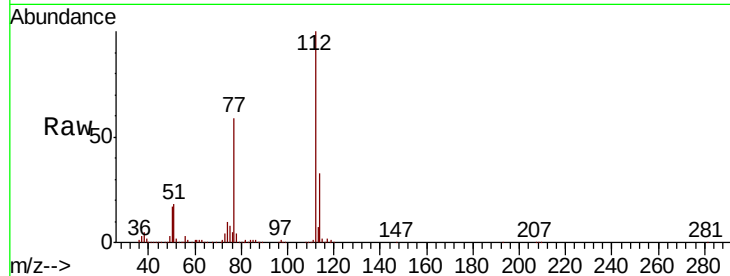




#65
Chlorobenzene
Concen: 49.233 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

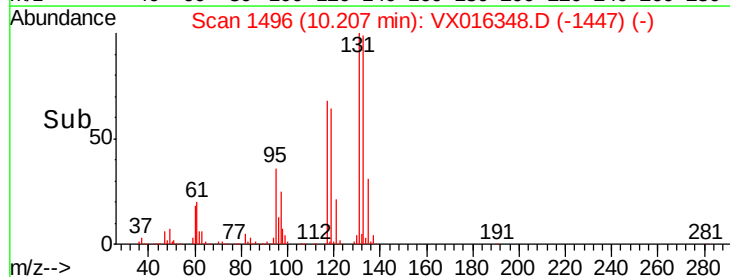
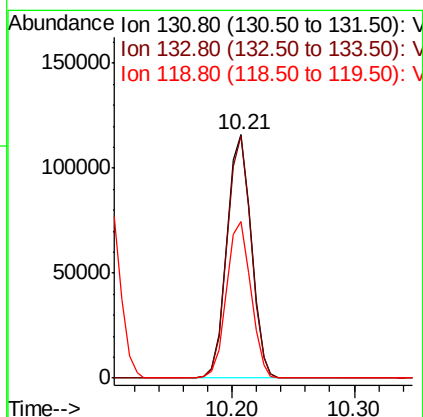
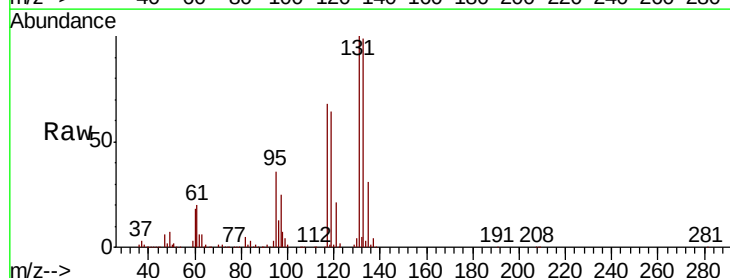
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

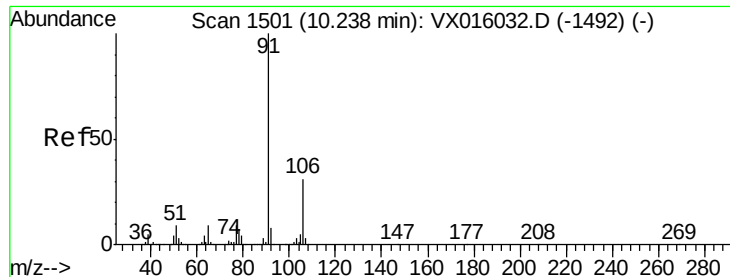
Tot Ion:112 Resp: 416998
Ion Ratio Lower Upper
112 100
114 32.8 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 51.162 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Tgt Ion:131 Resp: 160167
Ion Ratio Lower Upper
131 100
133 97.7 48.3 144.8
119 64.1 32.3 96.9





#67

Ethyl Benzene

Concen: 46.192 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

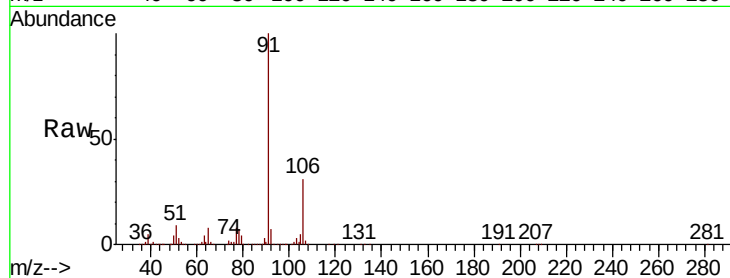
VSTDCCC050EC

Tot Ion: 91 Resp: 698078

Ion Ratio Lower Upper

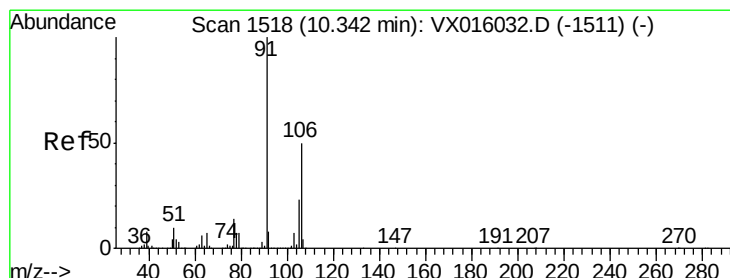
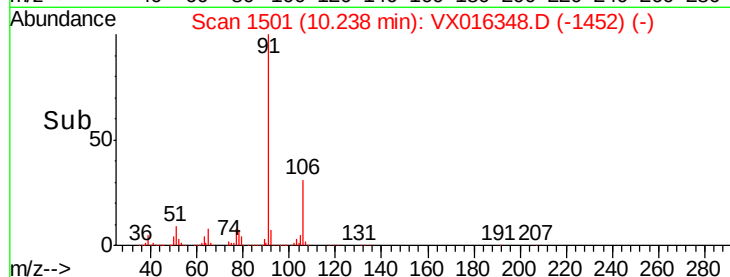
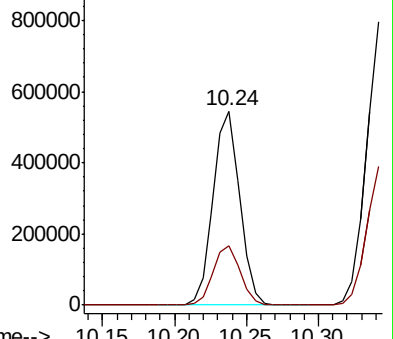
91 100

106 30.8 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 93.280 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016348.D

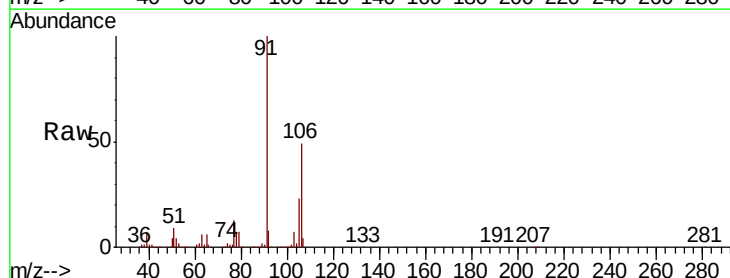
Acq: 19 May 2020 20:20

Tgt Ion: 106 Resp: 528158

Ion Ratio Lower Upper

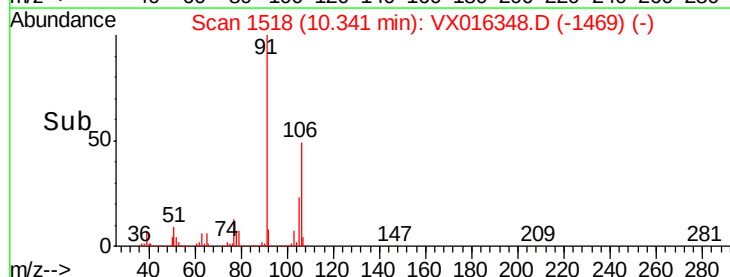
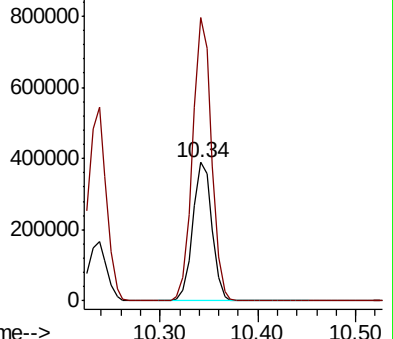
106 100

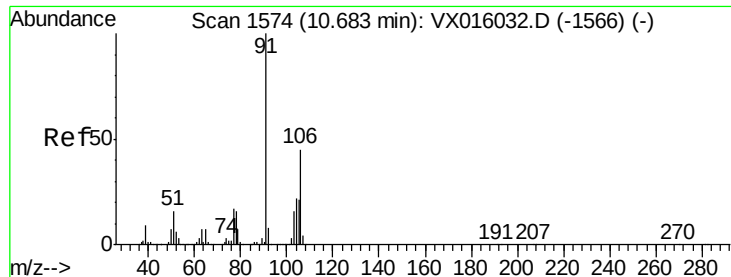
91 201.4 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

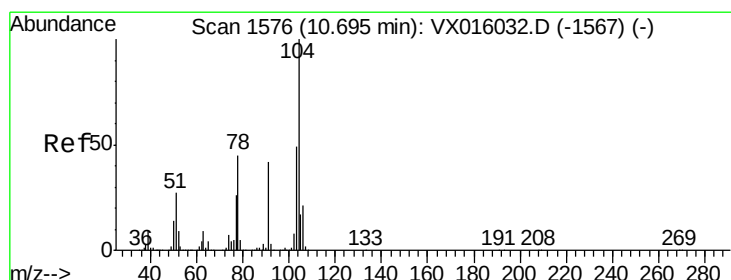
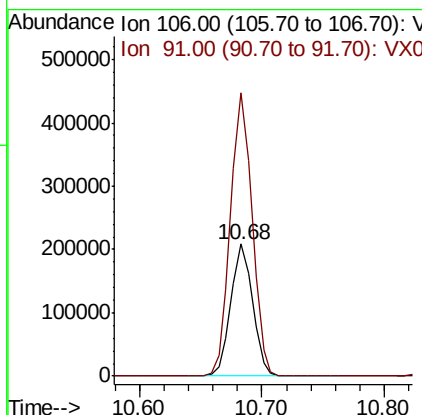
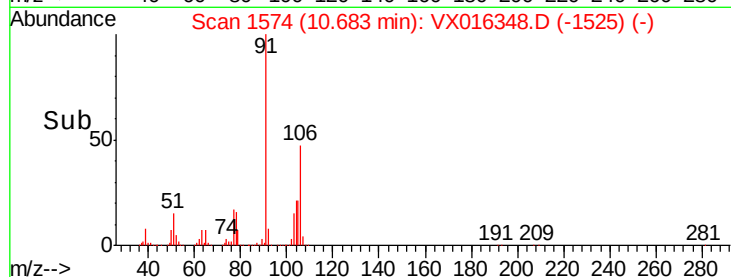
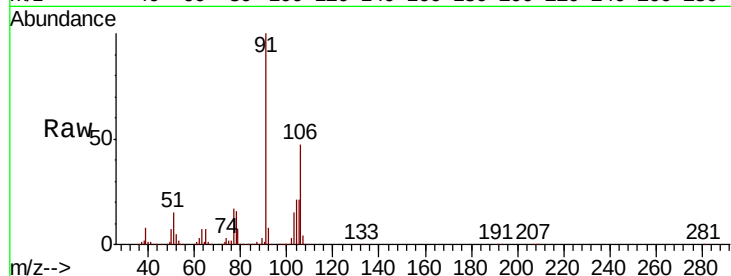




#69
o-Xylene
Concen: 47.114 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

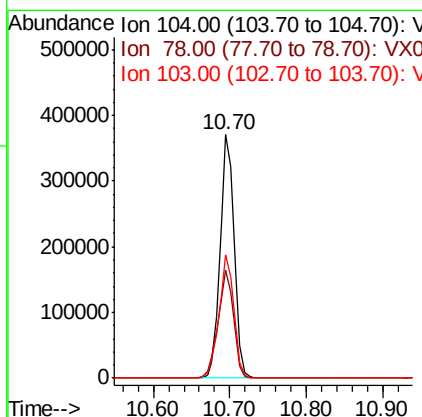
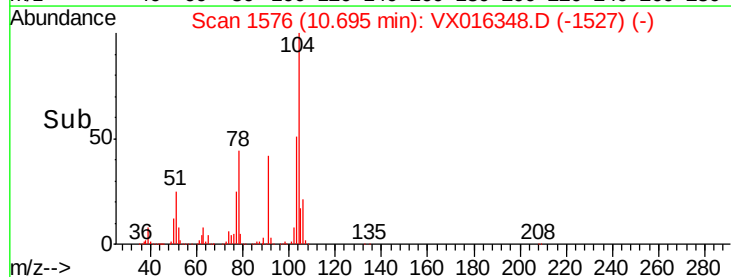
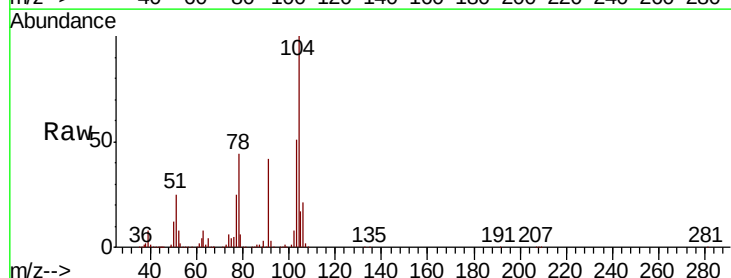
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

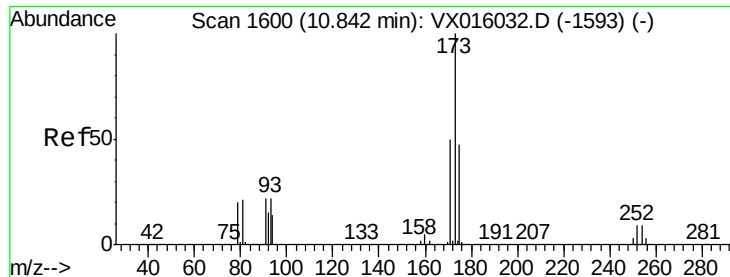
Tot Ion:106 Resp: 256423
Ion Ratio Lower Upper
106 100
91 214.2 107.5 322.6



#70
Styrene
Concen: 50.803 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Tgt Ion:104 Resp: 469083
Ion Ratio Lower Upper
104 100
78 48.5 40.2 60.2
103 53.4 43.0 64.6





#71

Bromoform

Concen: 54.181 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

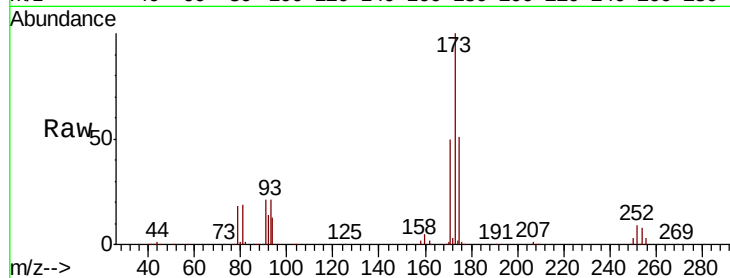
Tot Ion:173 Resp: 138192

Ion Ratio Lower Upper

173 100

175 49.4 24.0 72.0

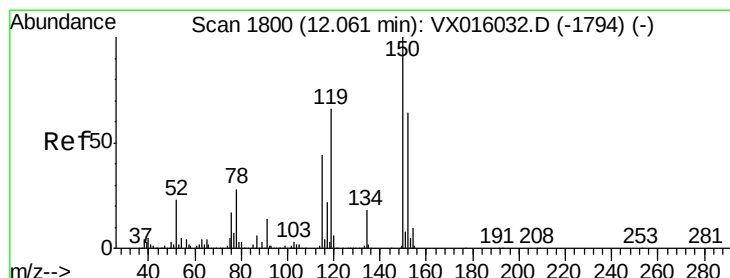
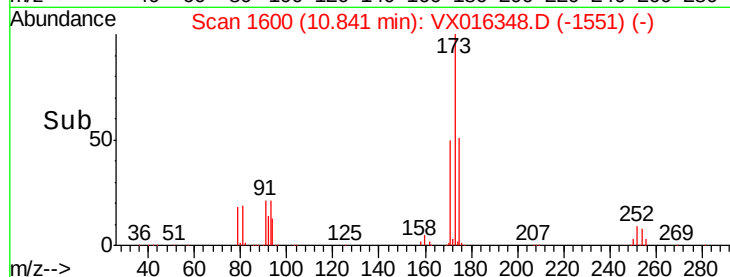
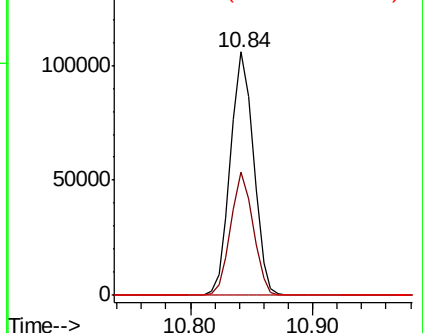
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

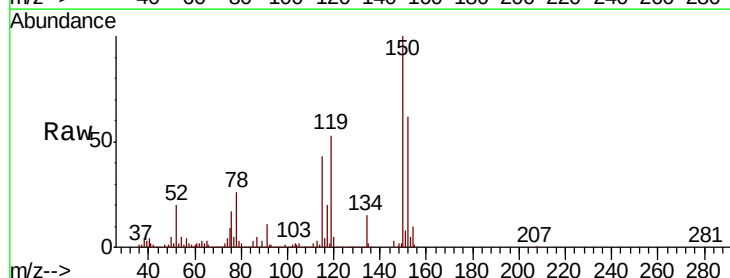
Tgt Ion:152 Resp: 186425

Ion Ratio Lower Upper

152 100

115 79.3 41.3 124.1

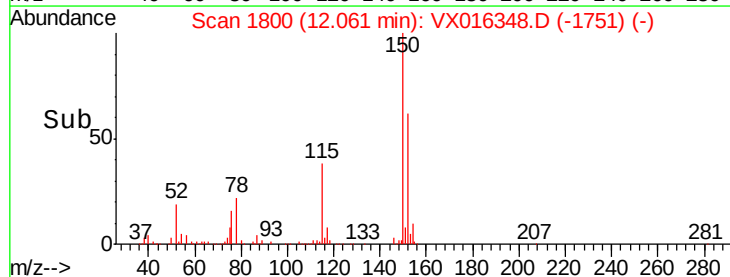
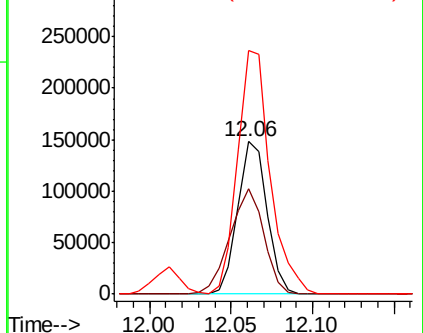
150 177.4 0.0 352.2

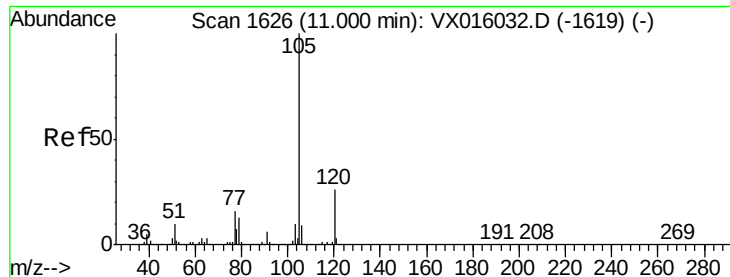


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.301 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

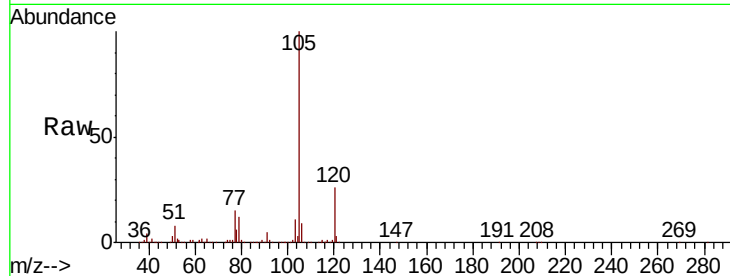
VSTDCCC050EC

Tot Ion:105 Resp: 627821

Ion Ratio Lower Upper

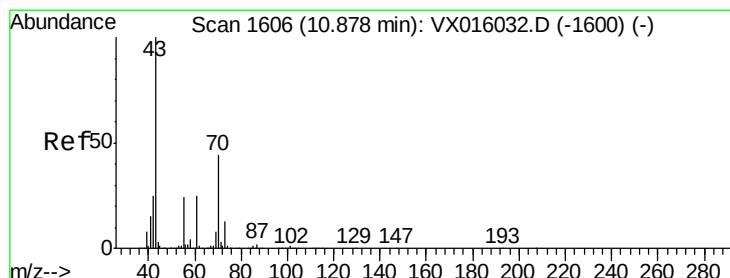
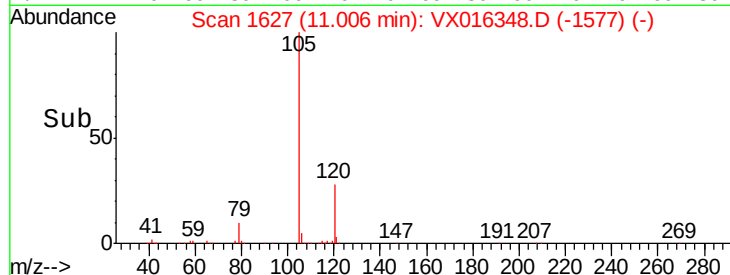
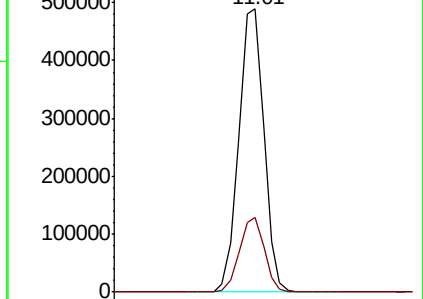
105 100

120 26.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.161 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Tgt Ion: 43 Resp: 298281

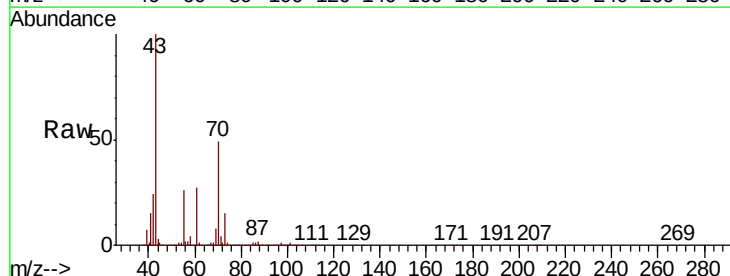
Ion Ratio Lower Upper

43 100

70 48.5 36.5 54.7

55 25.8 19.7 29.5

61 27.2 20.9 31.3

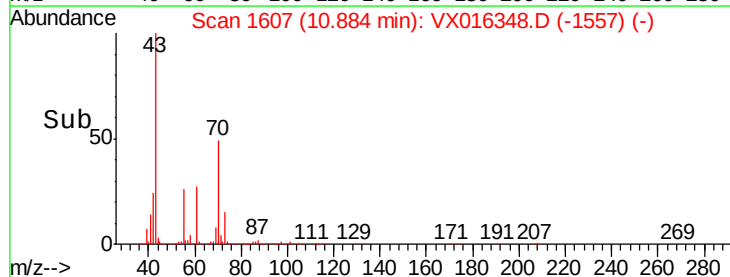
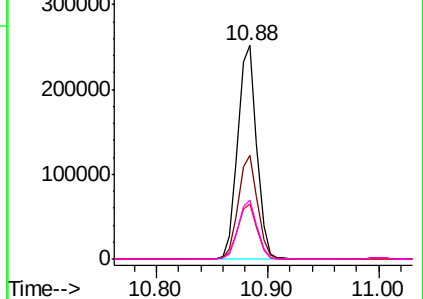


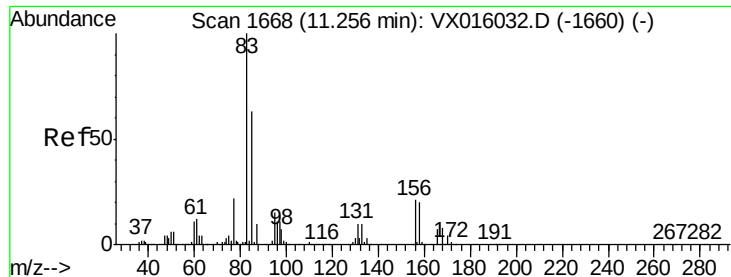
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 69.261 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

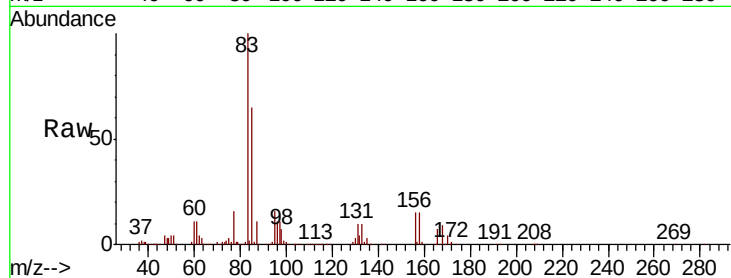
Tot Ion: 83 Resp: 193319

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.4

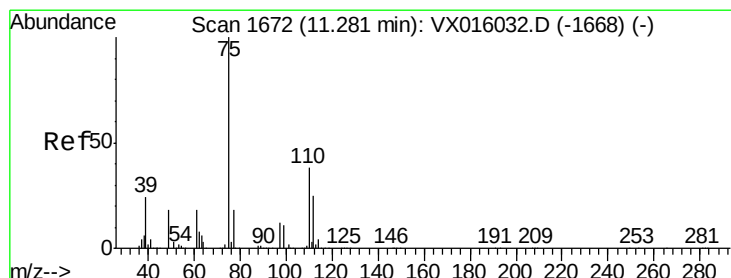
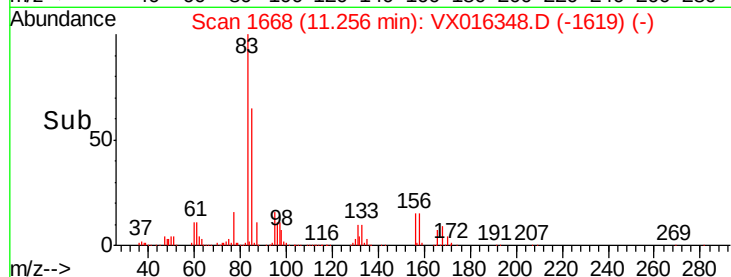
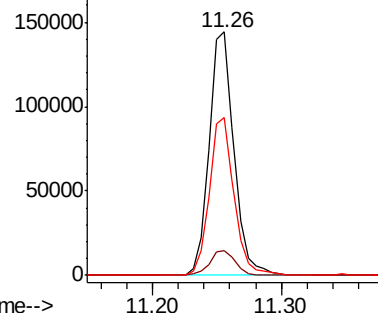
85 64.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 72.733 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016348.D

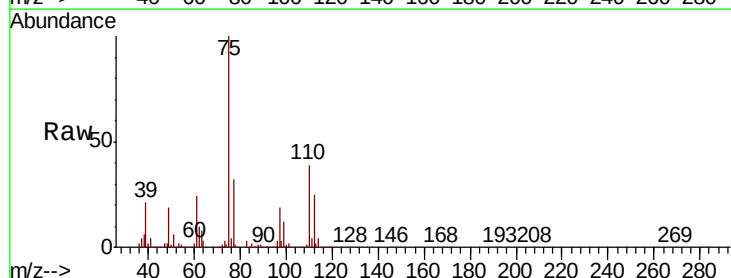
Acq: 19 May 2020 20:20

Tgt Ion: 75 Resp: 307692

Ion Ratio Lower Upper

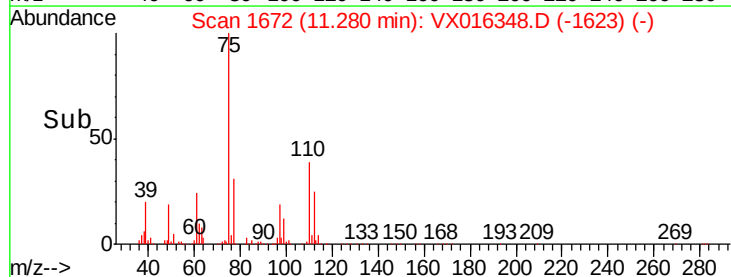
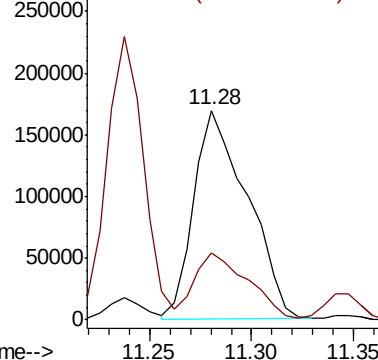
75 100

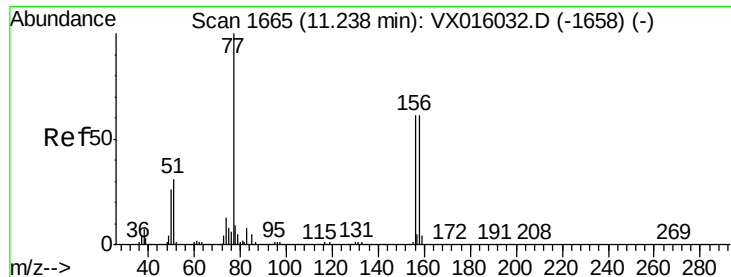
77 32.2 21.2 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.935 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

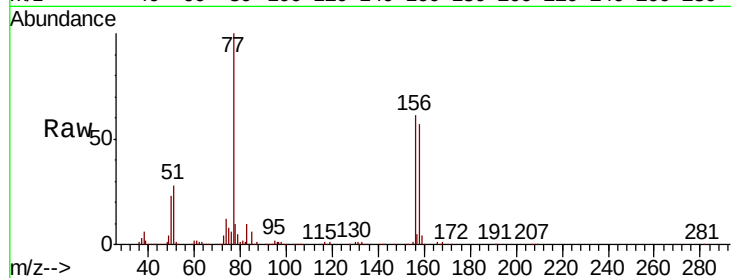
Tot Ion:156 Resp: 181768

Ion Ratio Lower Upper

156 100

77 158.3 80.1 240.3

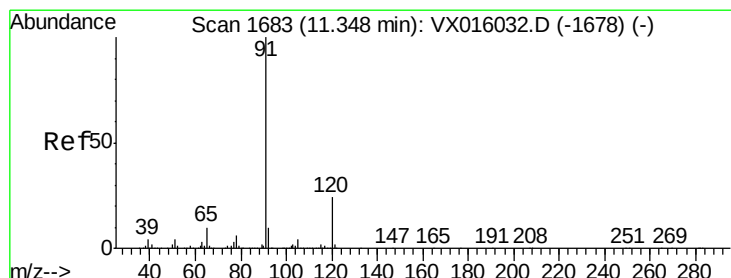
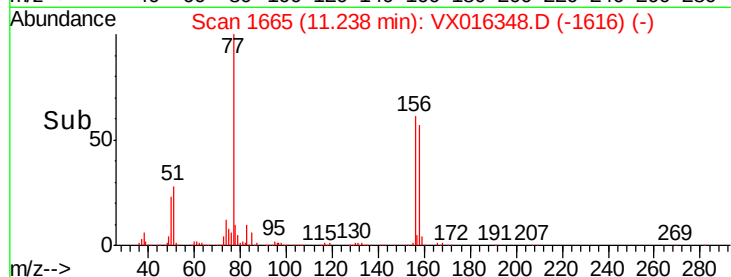
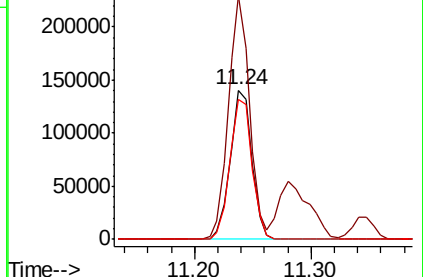
158 96.3 49.4 148.2



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: 44.499 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX016348.D

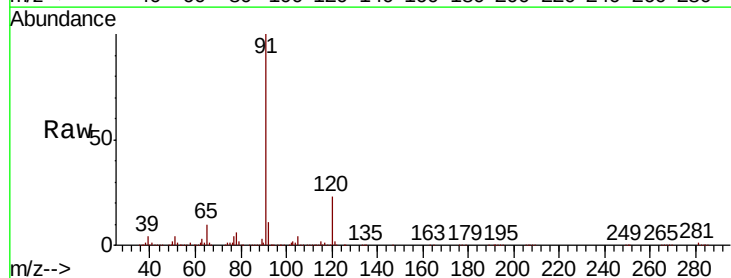
Acq: 19 May 2020 20:20

Tgt Ion: 91 Resp: 701948

Ion Ratio Lower Upper

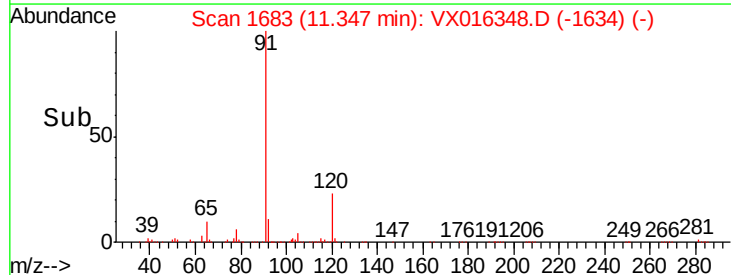
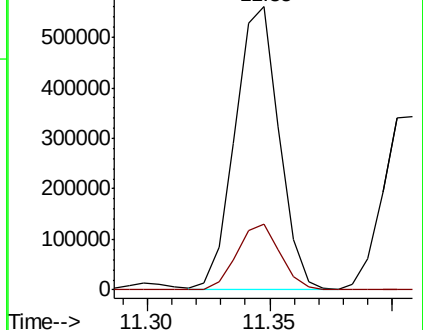
91 100

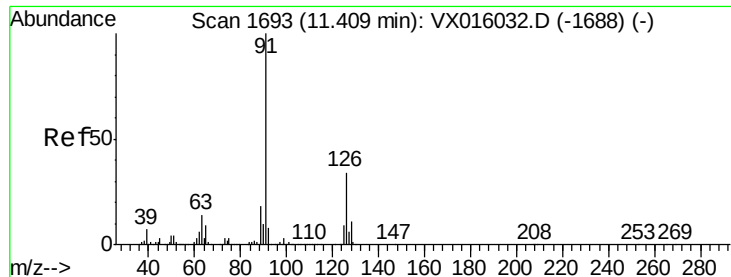
120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

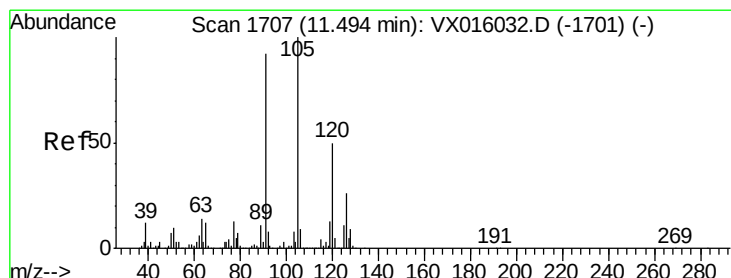
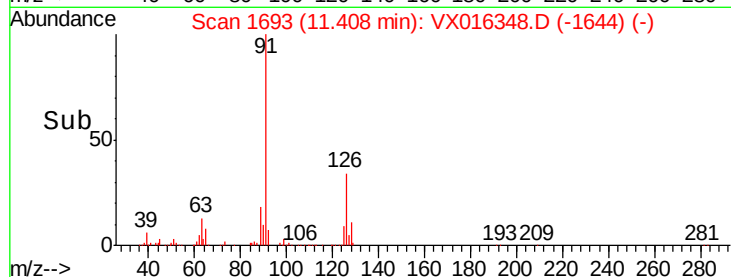
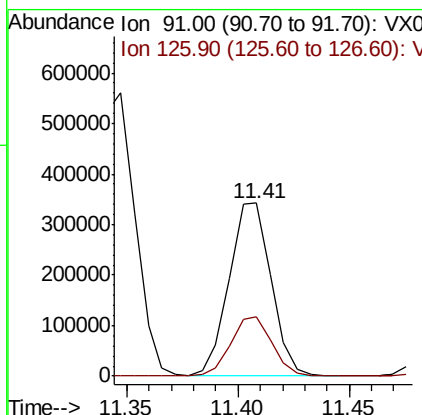
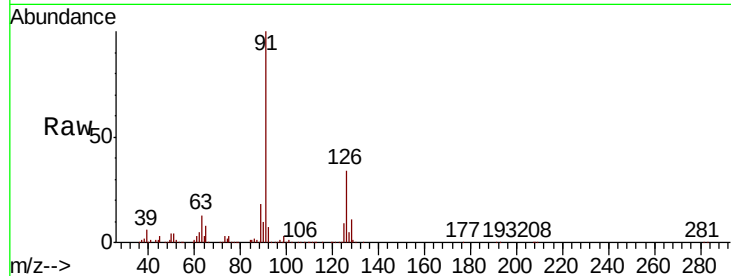




#79
2-Chlorotoluene
Concen: 48.614 ug/l
RT: 11.41 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

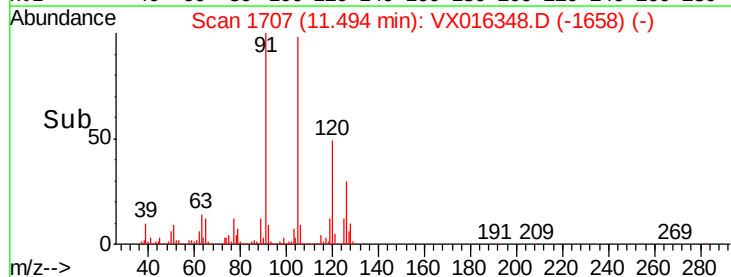
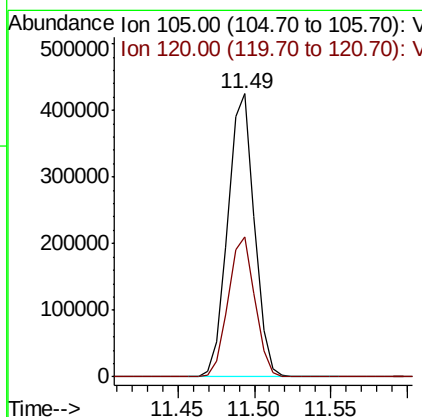
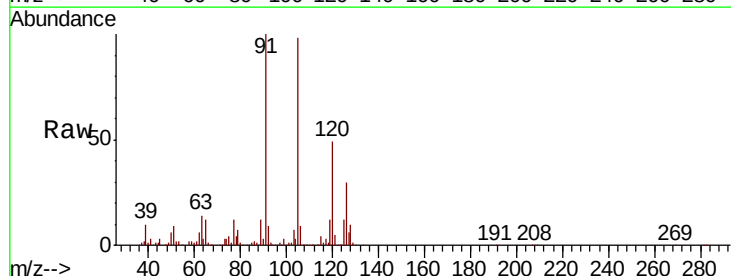
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

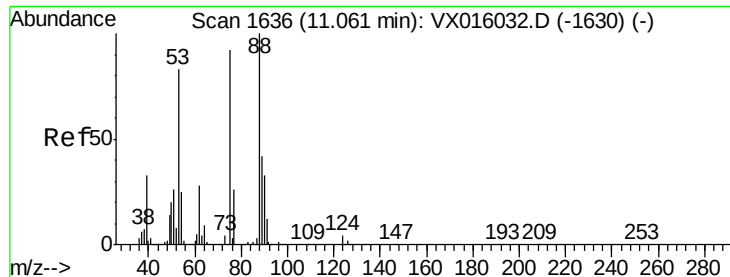
Tot Ion: 91 Resp: 452652
Ion Ratio Lower Upper
91 100
126 33.3 16.9 50.6



#80
1,3,5-Trimethylbenzene
Concen: 44.700 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Tgt Ion: 105 Resp: 511749
Ion Ratio Lower Upper
105 100
120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.394 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

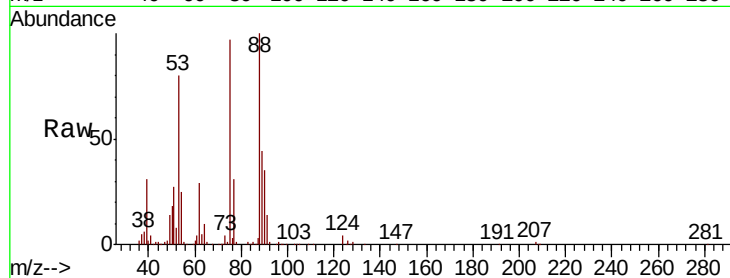
Tot Ion: 75 Resp: 93010

Ion Ratio Lower Upper

75 100

53 84.5 73.1 109.7

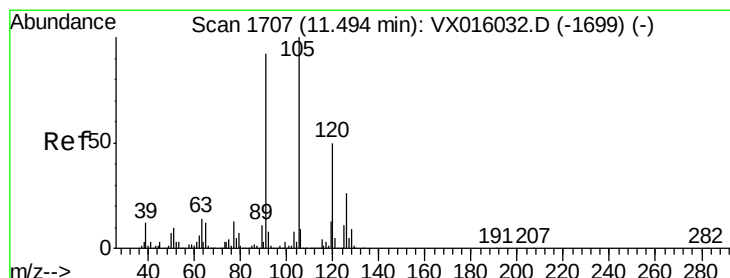
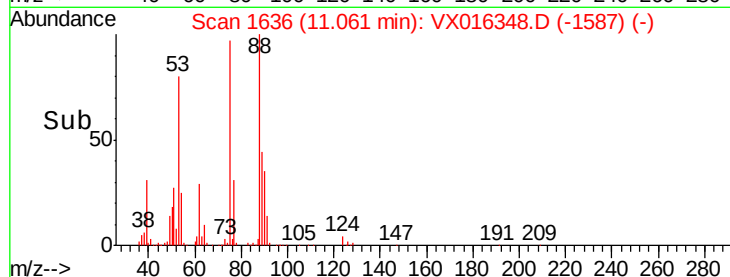
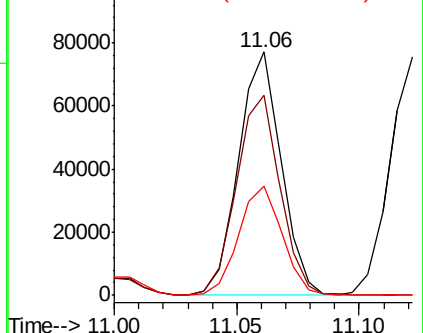
89 45.9 36.7 55.1



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: 48.379 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016348.D

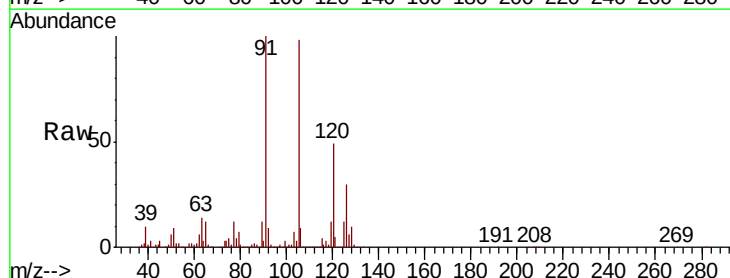
Acq: 19 May 2020 20:20

Tgt Ion: 91 Resp: 531950

Ion Ratio Lower Upper

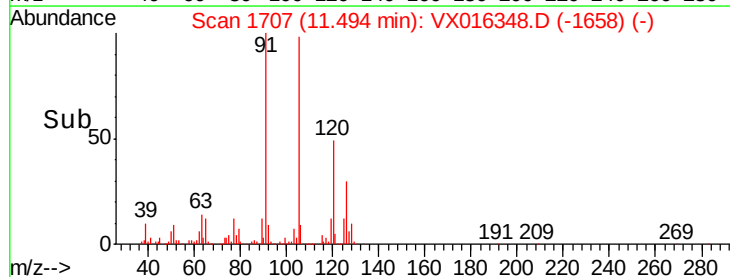
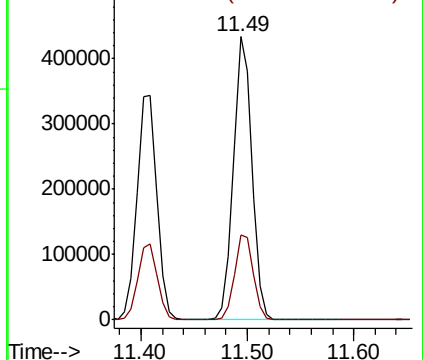
91 100

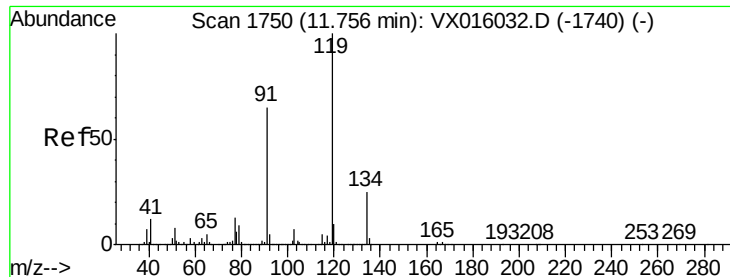
126 30.5 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

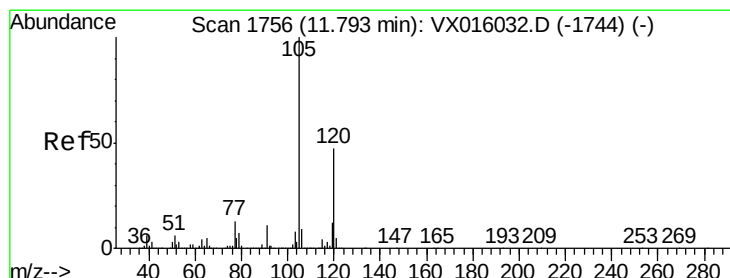
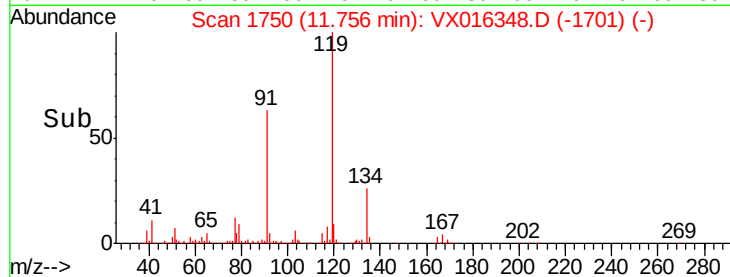
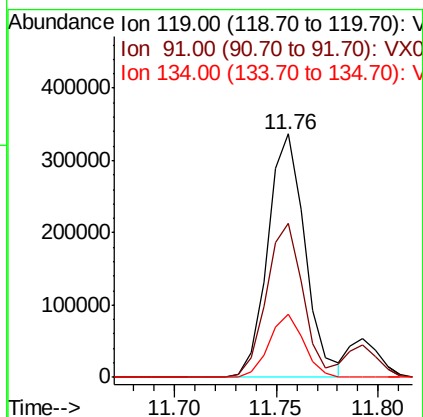
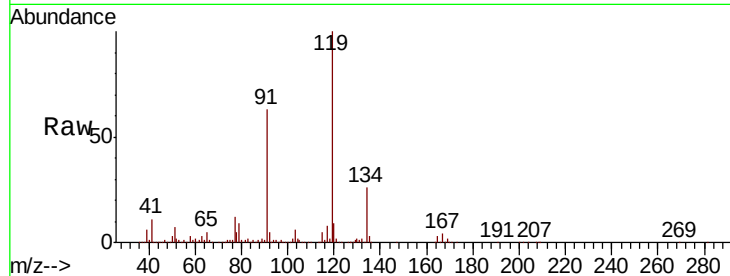




#83
 tert-Butylbenzene
 Concen: 43.456 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

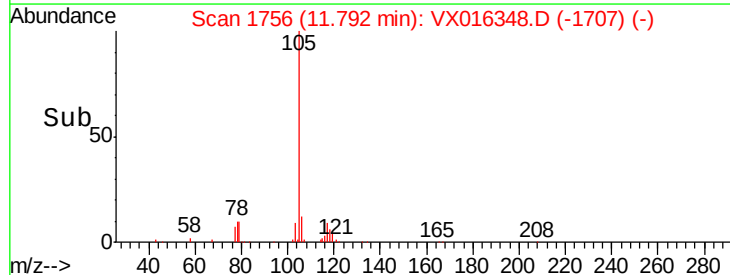
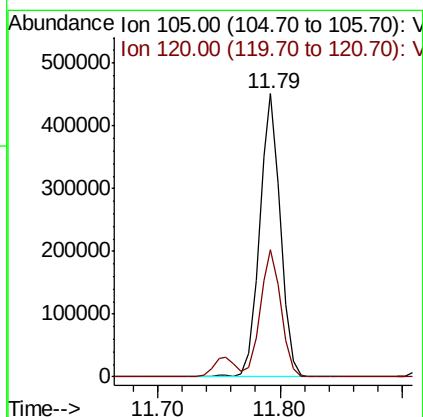
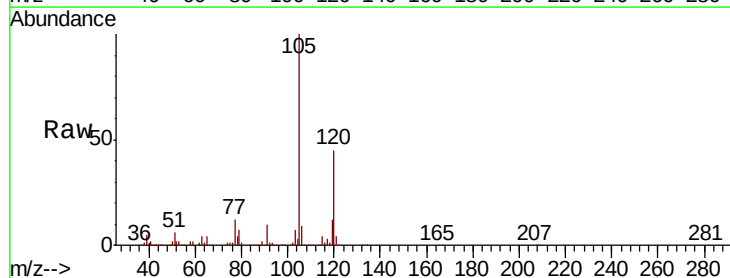
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

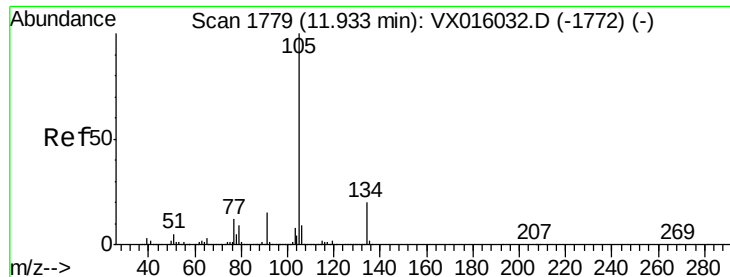
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	32.8	98.4
134	24.3	12.4	37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 46.137 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.0	69.0





#85

sec-Butylbenzene

Concen: 38.594 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

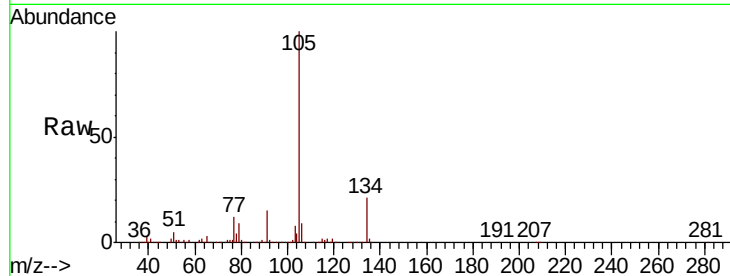
VSTDCCC050EC

Tot Ion:105 Resp: 514133

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

400000

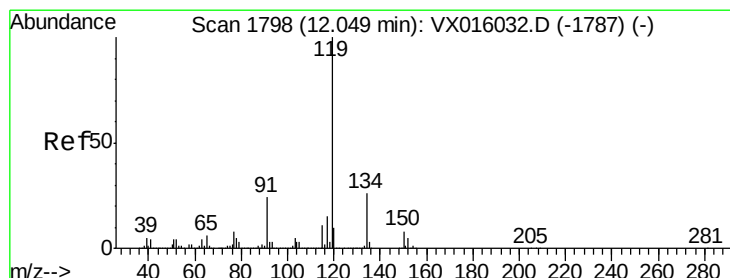
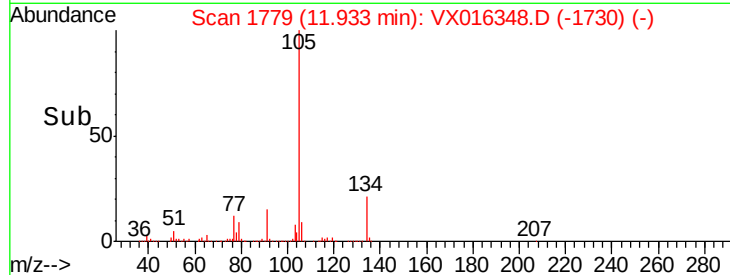
300000

200000

100000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 39.081 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

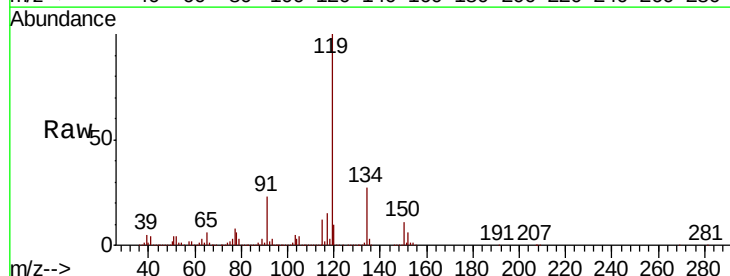
Tgt Ion:119 Resp: 483370

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 23.1 11.8 35.4



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

12.05

500000

400000

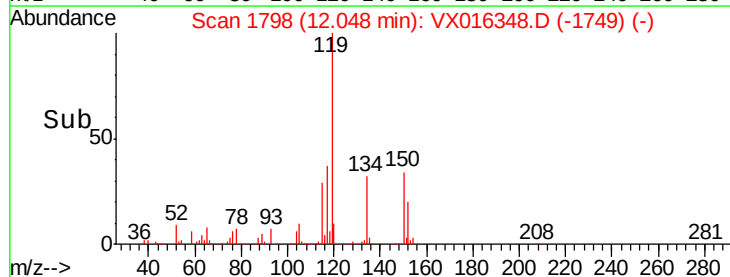
300000

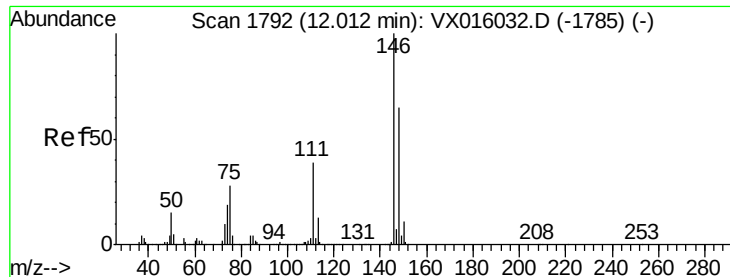
200000

100000

0

Time--> 12.00 12.10

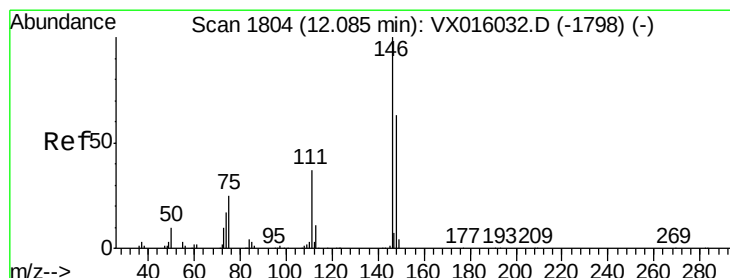
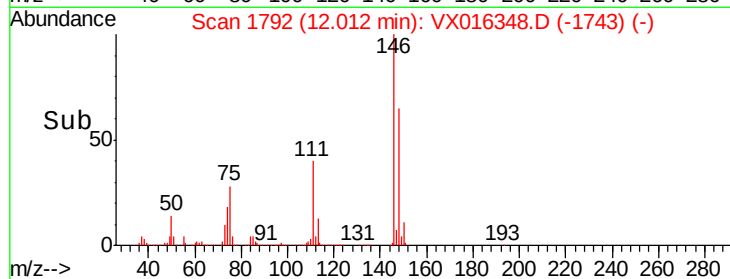
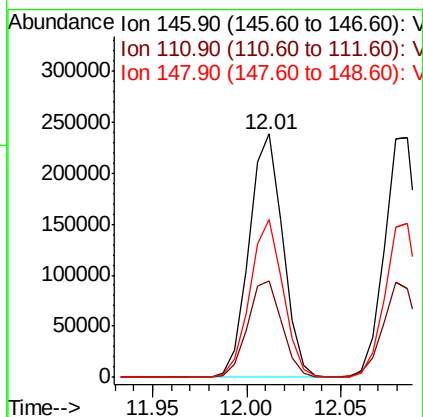
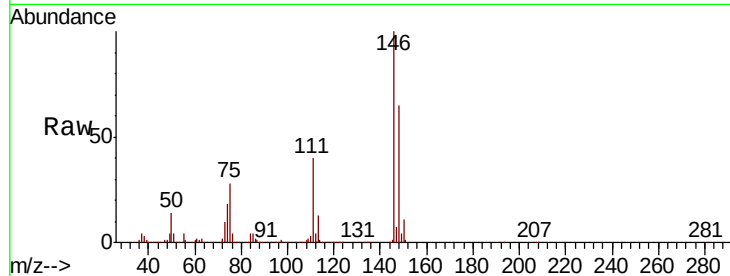




#87
 1,3-Dichlorobenzene
 Concen: 47.038 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

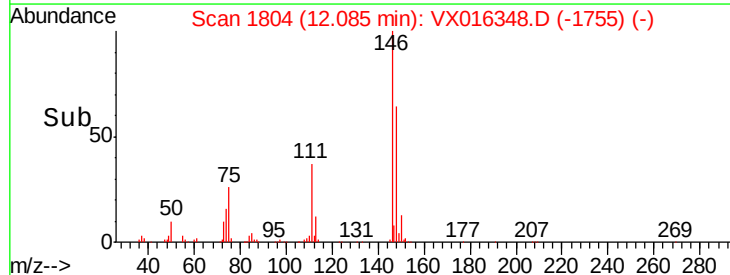
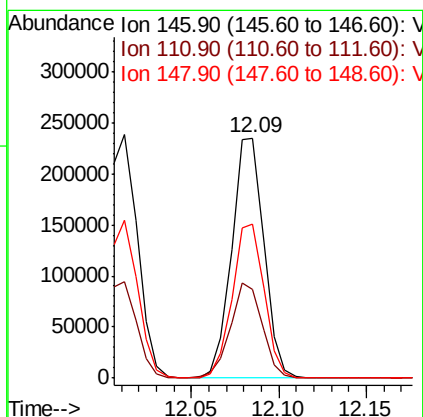
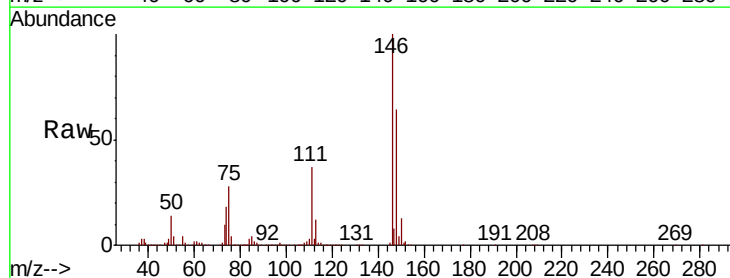
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

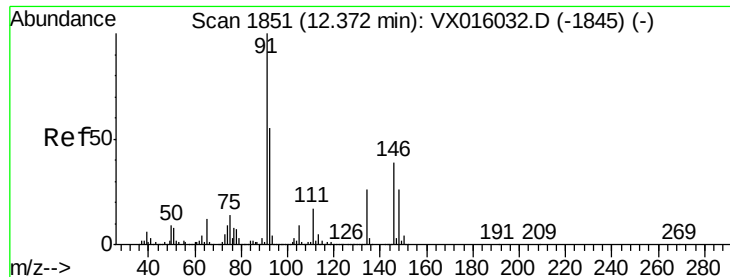
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	63.8	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 47.260 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	63.8	31.8	95.3





#89

n-Butylbenzene

Concen: 34.724 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX016348.D

Acq: 19 May 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

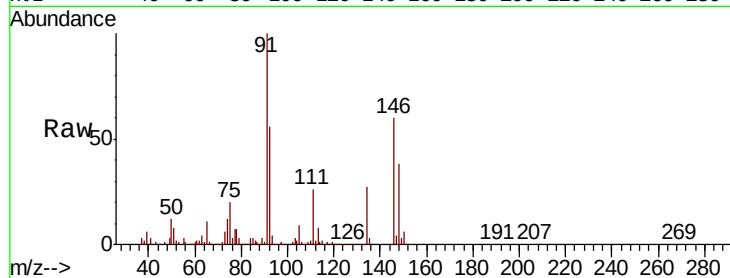
Tot Ion: 91 Resp: 392347

Ion Ratio Lower Upper

91 100

92 55.5 27.6 82.7

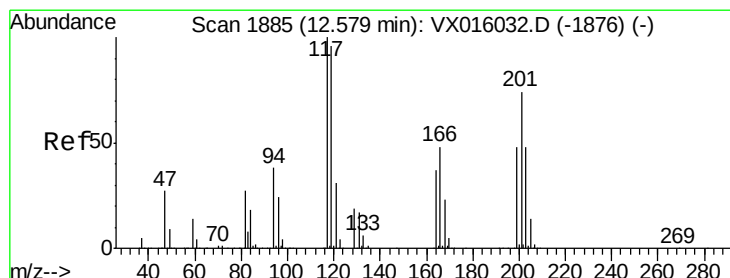
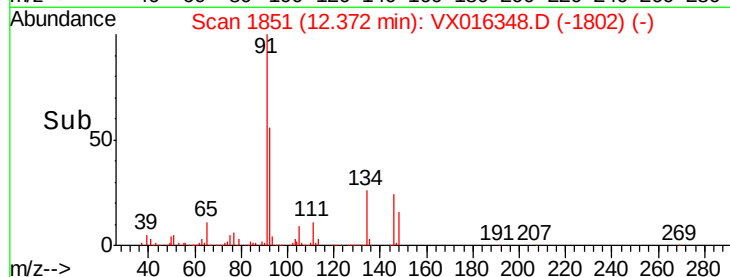
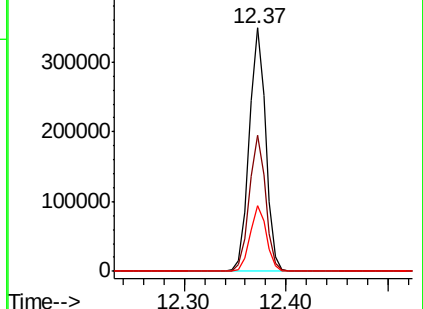
134 26.9 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 39.510 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX016348.D

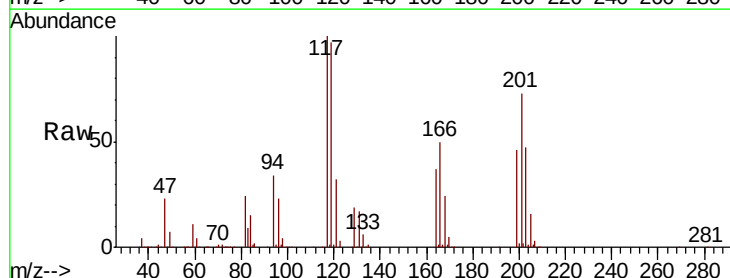
Acq: 19 May 2020 20:20

Tgt Ion: 117 Resp: 83925

Ion Ratio Lower Upper

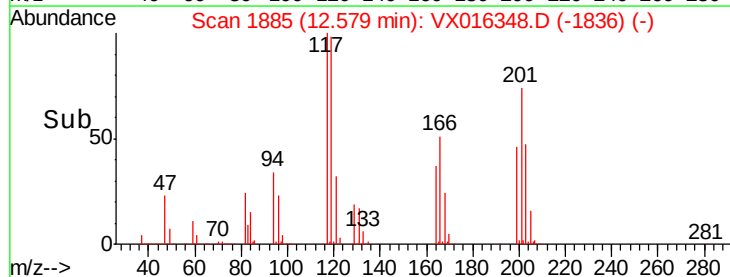
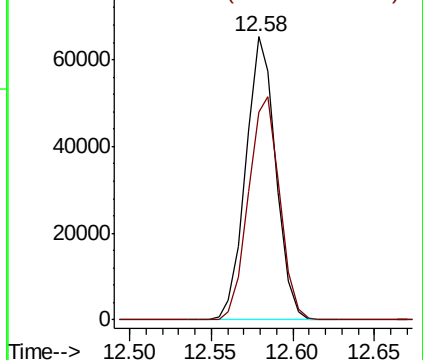
117 100

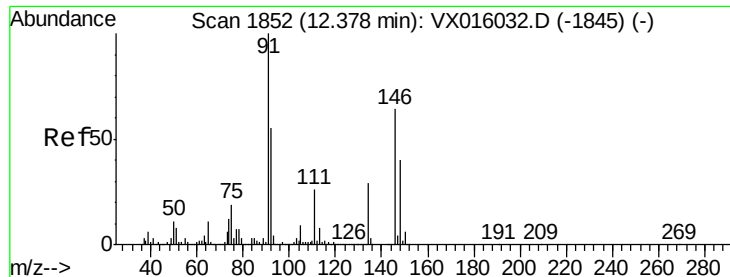
201 81.8 39.8 119.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

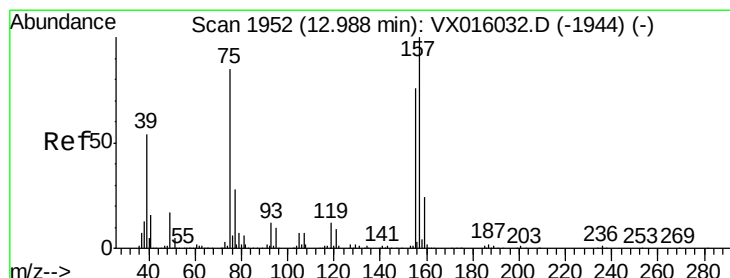
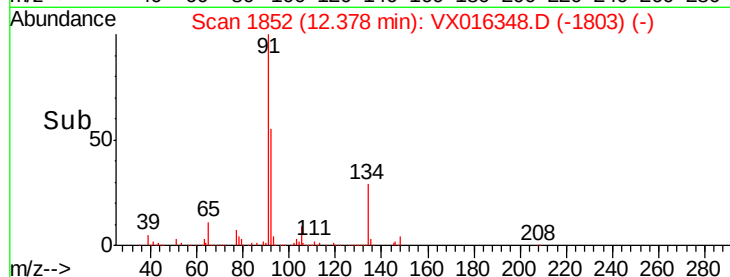
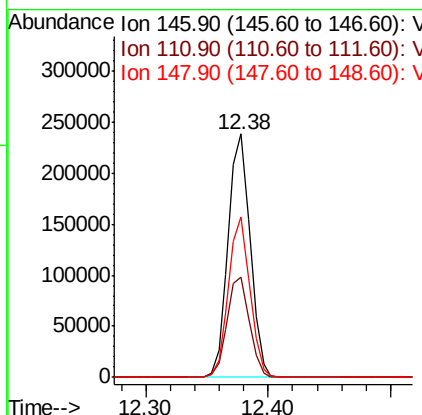
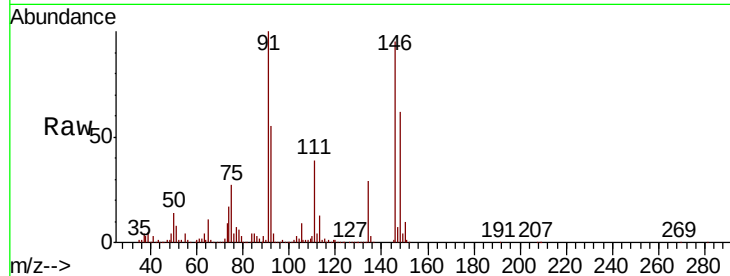




#91
 1,2-Dichlorobenzene
 Concen: 48.877 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

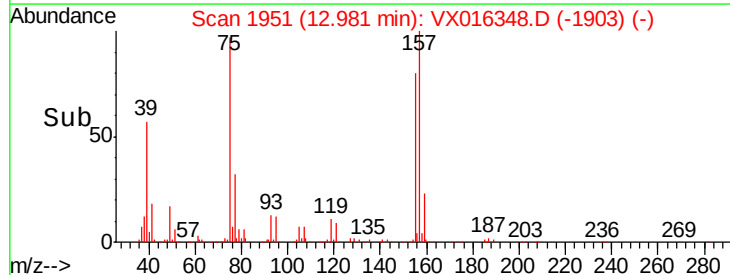
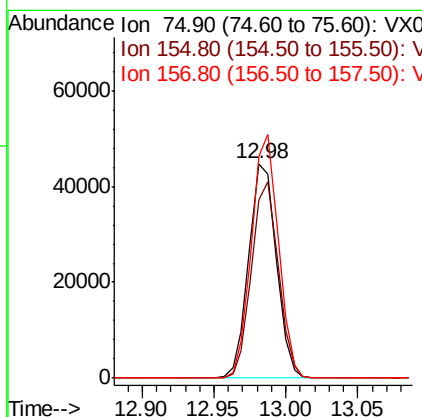
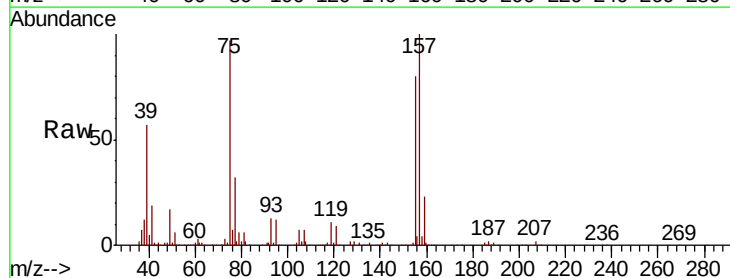
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

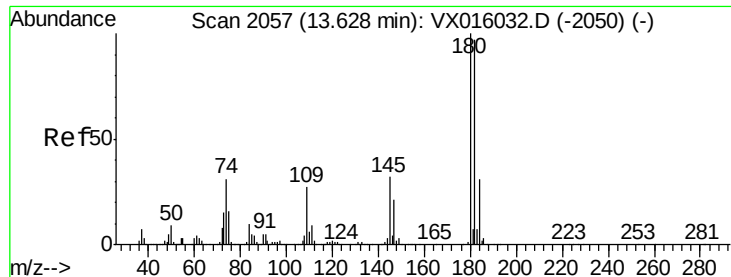
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.1
148	64.0	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.958 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	42.5	127.5
157	110.9	55.3	165.8

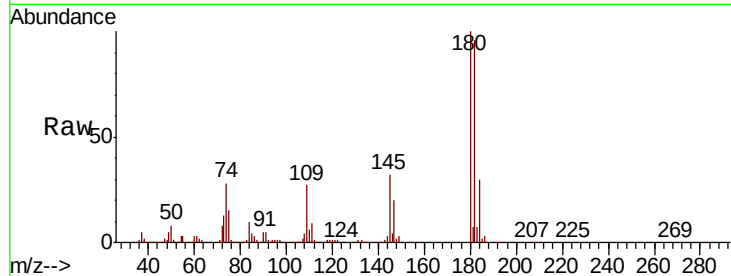




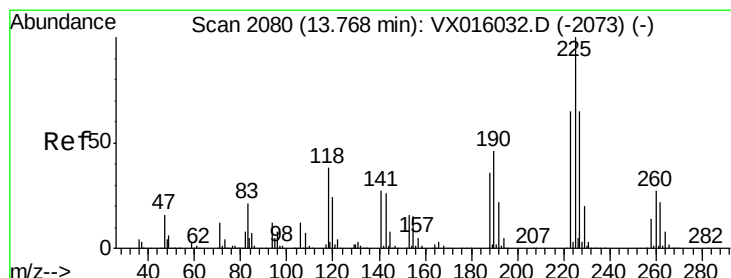
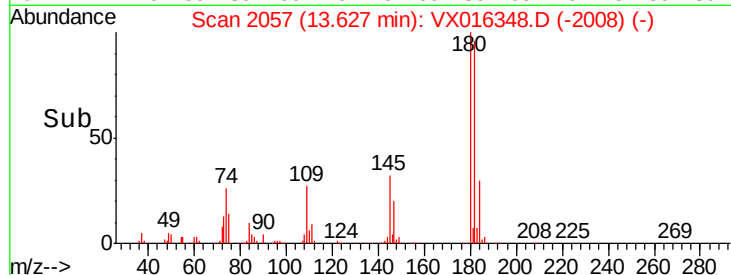
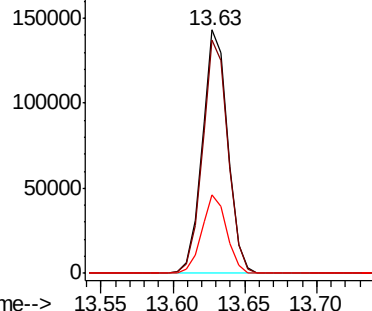
#93
 1,2,4-Trichlorobenzene
 Concen: 39.461 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 176786
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.7 146.1
 145 31.5 15.7 47.1

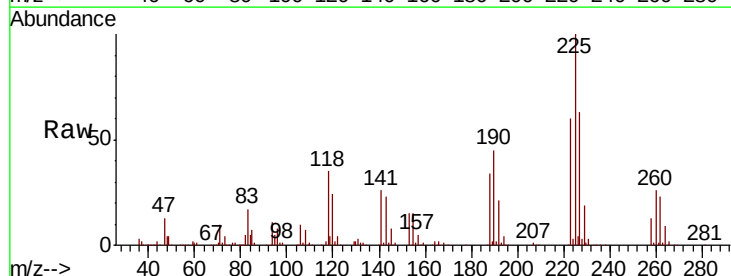


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

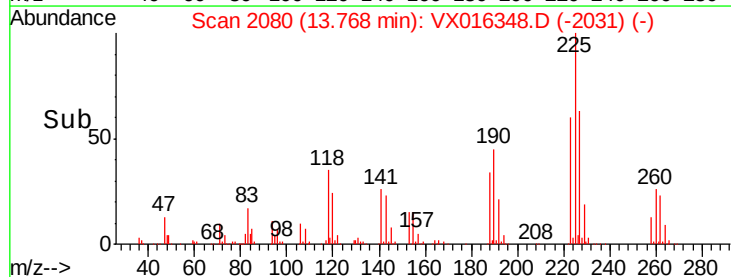
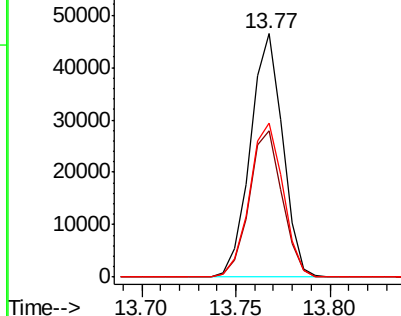


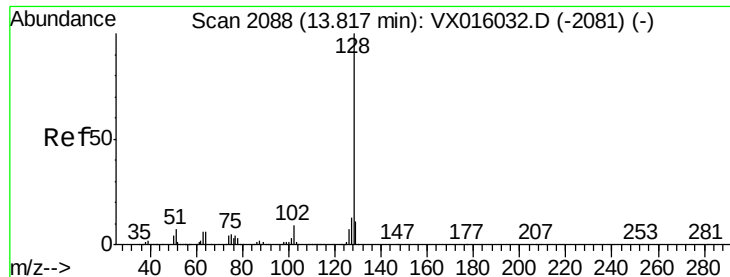
#94
 Hexachlorobutadiene
 Concen: 28.959 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016348.D
 Acq: 19 May 2020 20:20

Tgt Ion:225 Resp: 55436
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.3 96.9
 227 65.2 31.8 95.4



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

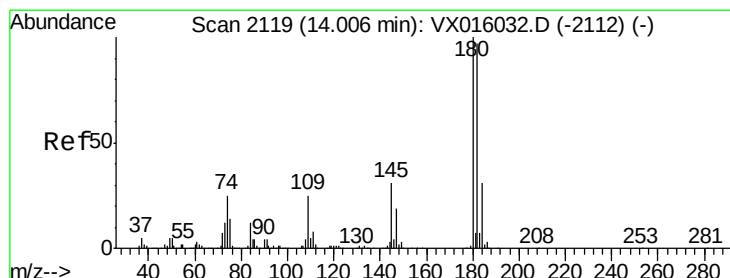
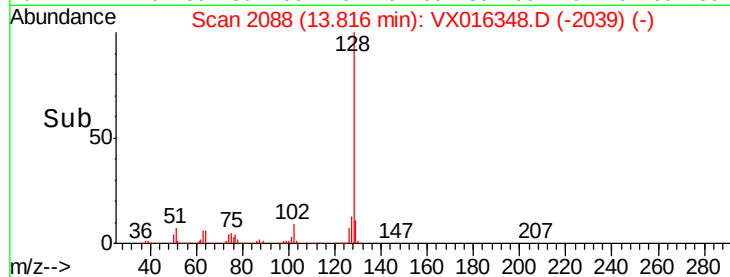
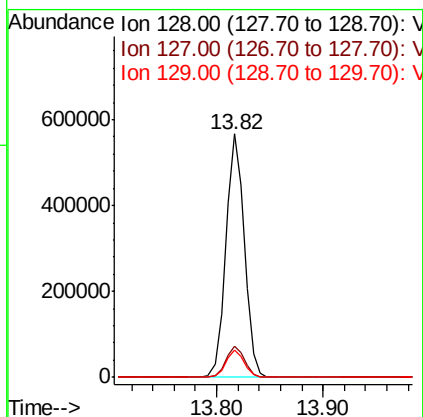
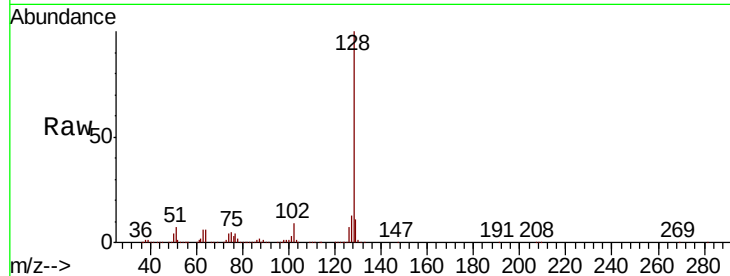




#95
Naphthalene
Concen: 47.392 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 687484
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 39.727 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016348.D
Acq: 19 May 2020 20:20

Tgt Ion:180 Resp: 173938
Ion Ratio Lower Upper
180 100
182 96.0 48.4 145.0
145 32.7 16.4 49.1

