

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061820\
 Data File : VX016840.D
 Acq On : 18 Jun 2020 11:24
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 18 12:25:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 18 12:21:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	256947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	383530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	355775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	190177	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	60149	19.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.30%	
35) Dibromofluoromethane	5.46	113	49136	20.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.26%	
50) Toluene-d8	8.70	98	183959	20.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.52%	
62) 4-Bromofluorobenzene	11.12	95	84607	25.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	72863	27.115	ug/l	99
3) Chloromethane	1.31	50	69919	24.497	ug/l	98
4) Vinyl Chloride	1.39	62	74117	23.616	ug/l	100
5) Bromomethane	1.64	94	47486	24.181	ug/l	99
6) Chloroethane	1.72	64	44810	23.444	ug/l	99
7) Trichlorofluoromethane	1.92	101	104571	23.574	ug/l	98
8) Diethyl Ether	2.17	74	39262	21.625	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	48856	21.551	ug/l	99
10) Methyl Iodide	2.50	142	47558	17.331	ug/l	100
11) Tert butyl alcohol	3.01	59	52270	75.305	ug/l	100
12) 1,1-Dichloroethene	2.36	96	50000	19.368	ug/l	99
13) Acrolein	2.27	56	27637	83.049	ug/l	98
14) Allyl chloride	2.71	41	73098	18.663	ug/l	100
15) Acrylonitrile	3.11	53	121130	83.957	ug/l	99
16) Acetone	2.42	43	103037	80.382	ug/l	97
17) Carbon Disulfide	2.55	76	136991	19.064	ug/l	99
18) Methyl Acetate	2.75	43	60587	17.710	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	160684	18.806	ug/l	100
20) Methylene Chloride	2.84	84	53360	18.889	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	52214	19.304	ug/l	98
22) Diisopropyl ether	3.82	45	143314	19.432	ug/l	99
23) Vinyl Acetate	3.78	43	589315	92.754	ug/l	99
24) 1,1-Dichloroethane	3.67	63	89856	19.458	ug/l	98
25) 2-Butanone	4.63	43	161191	83.688	ug/l	98
26) 2,2-Dichloropropane	4.55	77	83272	19.481	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	58091	18.777	ug/l	99
28) Bromochloromethane	4.98	49	35393	18.012	ug/l	98
29) Tetrahydrofuran	5.09	42	101882	81.729	ug/l	100
30) Chloroform	5.18	83	93980	19.241	ug/l	97
31) Cyclohexane	5.55	56	76591	21.978	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	87838	19.820	ug/l	99
36) 1,1-Dichloropropene	5.77	75	68980	20.395	ug/l	99
37) Ethyl Acetate	4.79	43	62923	17.325	ug/l	99
38) Carbon Tetrachloride	5.76	117	79294	20.645	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	79641	21.742	ug/l	96
40) Benzene	6.12	78	207178	20.092	ug/l	100
41) Methacrylonitrile	5.01	41	34820	17.883	ug/l	99
42) 1,2-Dichloroethane	6.17	62	73673	19.585	ug/l	100
43) Isopropyl Acetate	6.41	43	103851	17.855	ug/l	100
44) Trichloroethene	7.19	130	61458	18.692	ug/l	97
45) 1,2-Dichloropropane	7.49	63	50649	19.905	ug/l	95
46) Dibromomethane	7.63	93	35473	19.281	ug/l	99
47) Bromodichloromethane	7.88	83	84079	21.938	ug/l	97
48) Methyl methacrylate	7.74	41	49735	18.243	ug/l	97
49) 1,4-Dioxane	7.71	88	22054	329.971	ug/l	94
51) 4-Methyl-2-Pentanone	8.62	43	313088	88.630	ug/l	99
52) Toluene	8.76	92	133370	19.879	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	82321	19.066	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	90795	20.085	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	52918	19.431	ug/l	99
56) Ethyl methacrylate	9.16	69	75401	18.445	ug/l	100
57) 1,3-Dichloropropane	9.35	76	87181	18.991	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.29	63	197397	100.451	ug/l	97
59) 2-Hexanone	9.47	43	233402	86.091	ug/l	98
60) Dibromochloromethane	9.57	129	60624	18.812	ug/l	99
61) 1,2-Dibromoethane	9.65	107	56550	19.263	ug/l	99
64) Tetrachloroethene	9.32	164	66525	19.709	ug/l	95
65) Chlorobenzene	10.12	112	143963	20.002	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	56171	19.792	ug/l	99
67) Ethyl Benzene	10.24	91	245710	20.381	ug/l	100
68) m/p-Xylenes	10.34	106	190961	41.921	ug/l	99
69) o-Xylene	10.68	106	89109	20.356	ug/l	99
70) Styrene	10.70	104	156267	20.662	ug/l	100
71) Bromoform	10.84	173	47832	19.873	ug/l #	100
73) Isopropylbenzene	11.00	105	299177	23.948	ug/l	100
74) N-amyl acetate	10.88	43	87813	18.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	85924	23.496	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	111953	28.343	ug/l	86
77) Bromobenzene	11.24	156	79413	22.504	ug/l	96
78) n-propylbenzene	11.34	91	318226	23.330	ug/l	100
79) 2-Chlorotoluene	11.40	91	188918	21.948	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	246677	23.435	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	33529	21.520	ug/l	99
82) 4-Chlorotoluene	11.49	91	232506	22.976	ug/l	99
83) tert-Butylbenzene	11.76	119	220470	22.767	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	224352	21.059	ug/l	97
85) sec-Butylbenzene	11.93	105	233502	20.706	ug/l	99
86) p-Isopropyltoluene	12.05	119	221504	20.424	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	118934	19.799	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	118083	19.047	ug/l	96
89) n-Butylbenzene	12.37	91	181797	20.232	ug/l	98
90) Hexachloroethane	12.58	117	38767	19.242	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	115857	19.439	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	16812	16.655	ug/l	99

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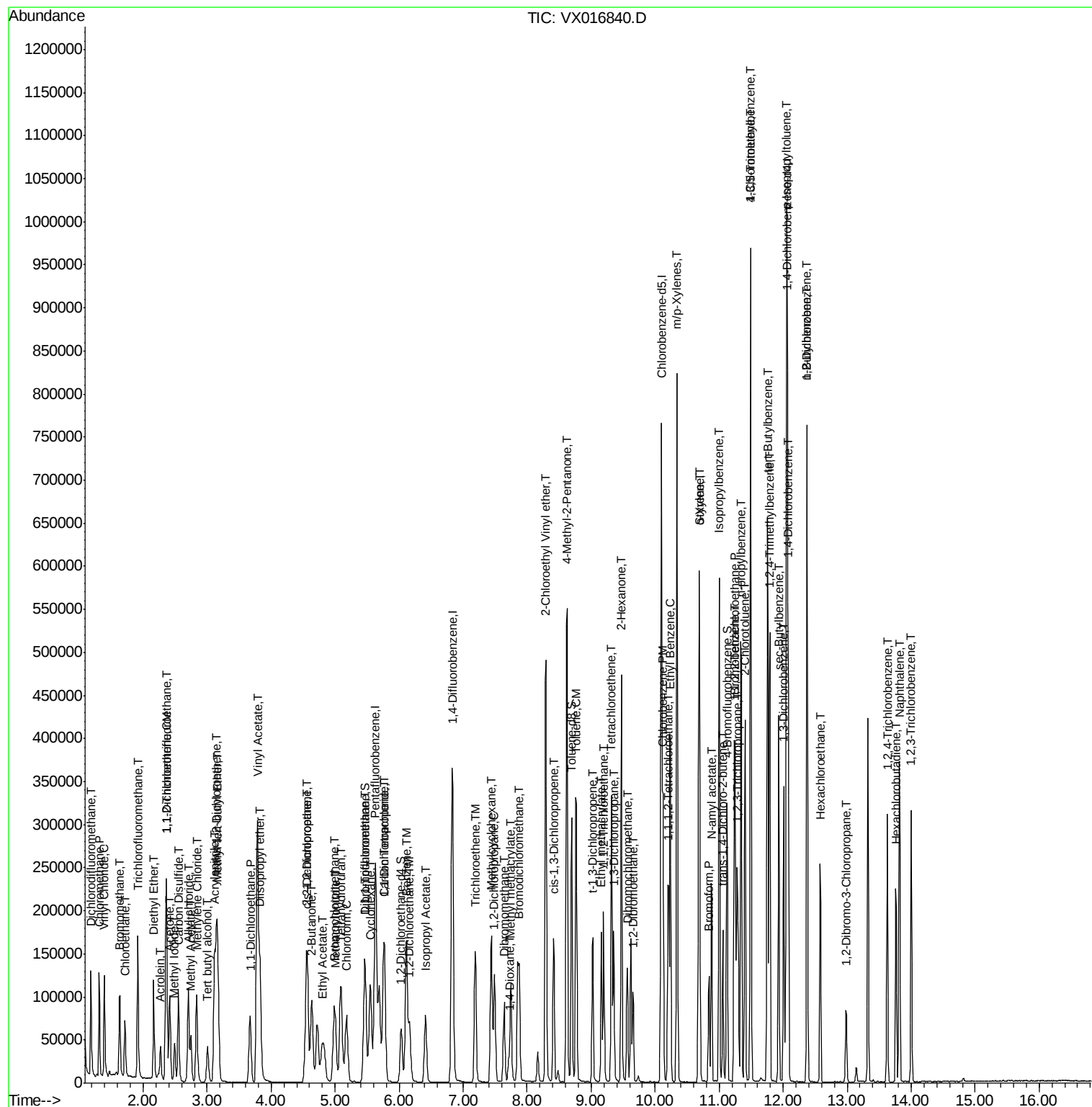
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	78393	18.436	ug/l	98
94) Hexachlorobutadiene	13.76	225	35920	18.902	ug/l	99
95) Naphthalene	13.82	128	237819	18.262	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	78657	18.611	ug/l	99

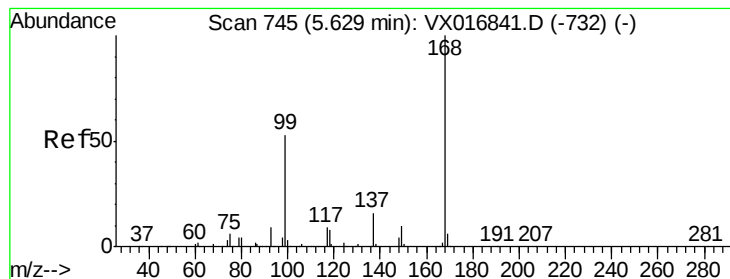
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
Client Sampled :
VSTDIC020

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

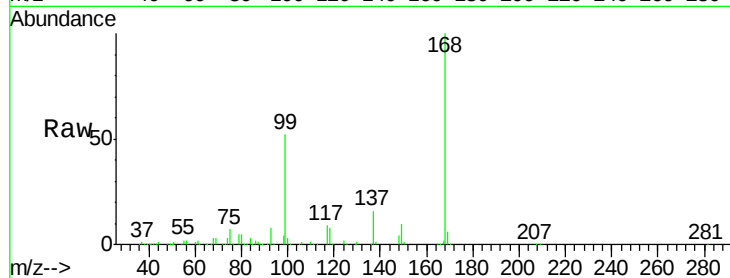
VSTDIC020

Tgt Ion:168 Resp: 256947

Ion Ratio Lower Upper

168 100

99 51.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

60000

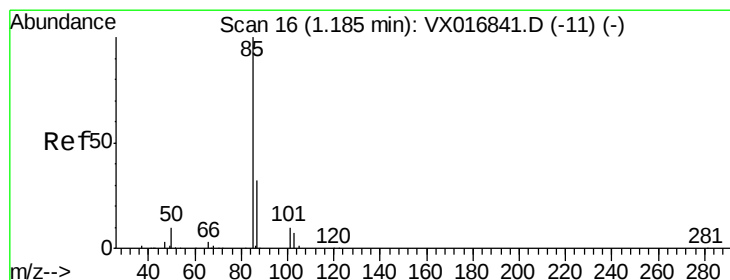
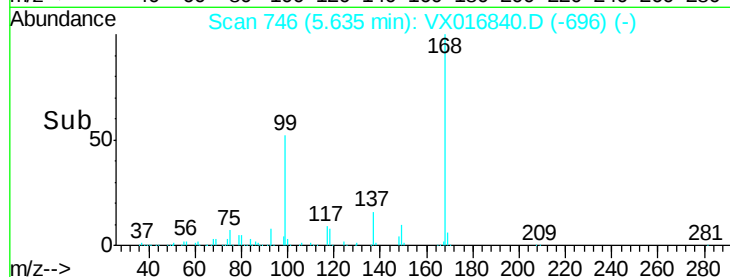
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 27.115 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016840.D

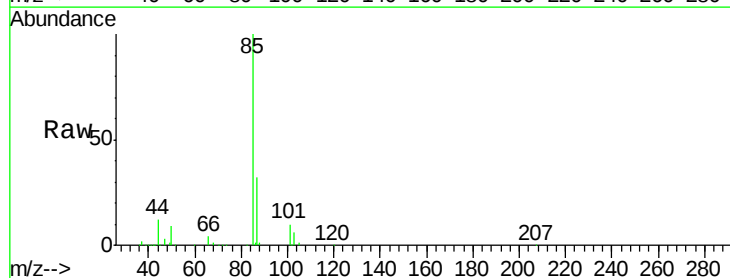
Acq: 18 Jun 2020 11:24

Tgt Ion: 85 Resp: 72863

Ion Ratio Lower Upper

85 100

87 32.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

80000

60000

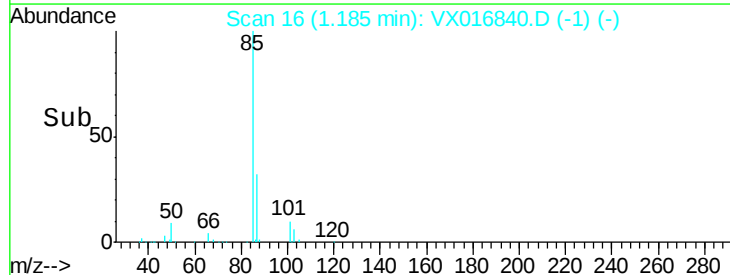
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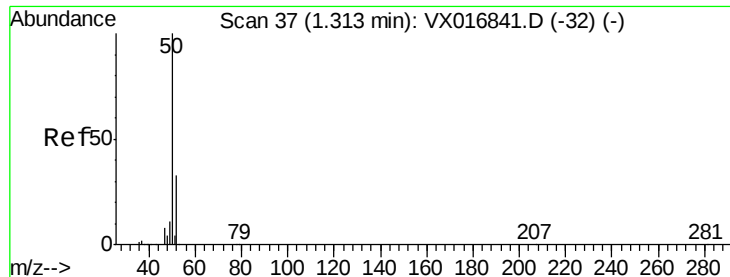
20000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 24.497 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

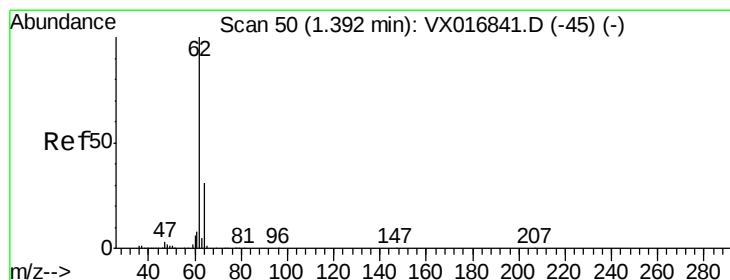
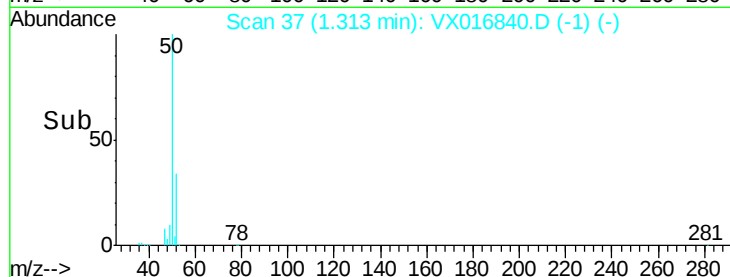
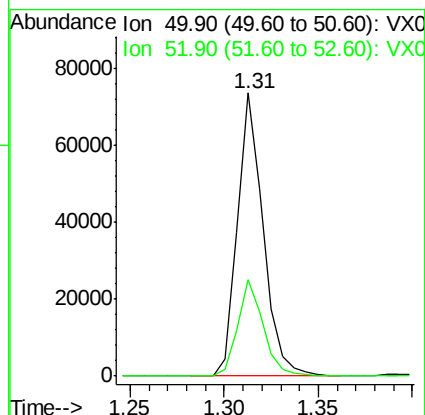
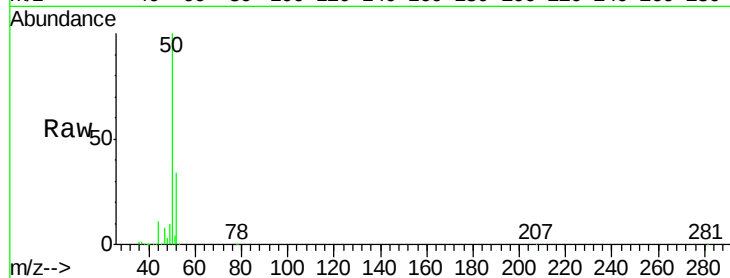
VSTDIC020

Tgt Ion: 50 Resp: 69919

Ion Ratio Lower Upper

50 100

52 33.9 26.1 39.1



#4

Vinyl Chloride

Concen: 23.616 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016840.D

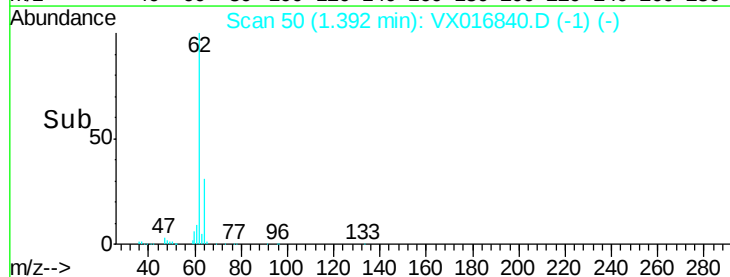
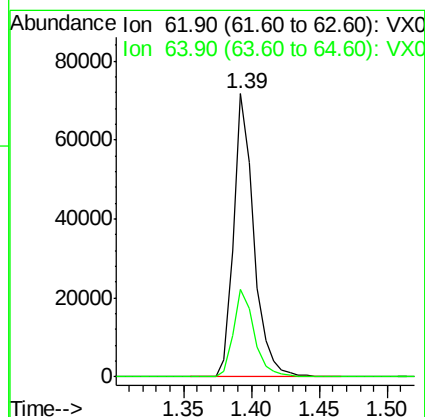
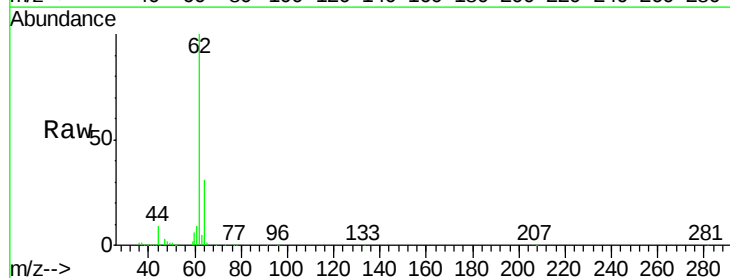
Acq: 18 Jun 2020 11:24

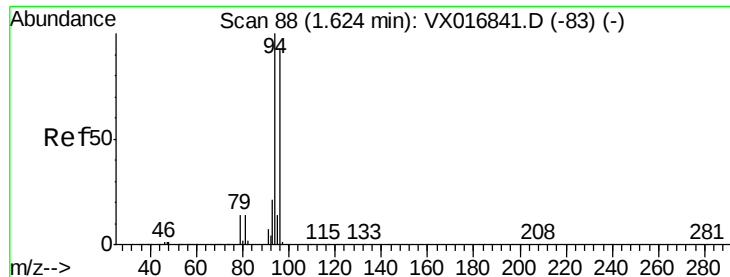
Tgt Ion: 62 Resp: 74117

Ion Ratio Lower Upper

62 100

64 31.1 25.0 37.4





#5

Bromomethane

Concen: 24.181 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016840.D

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Instrument :

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ClientSampleId :

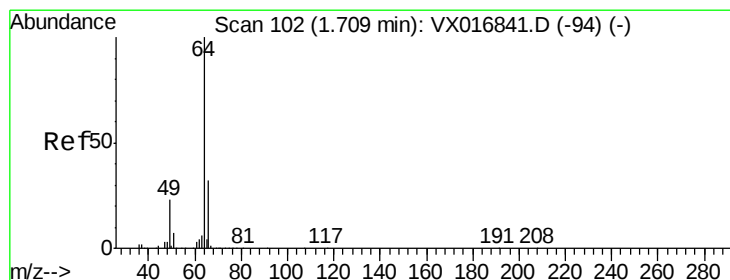
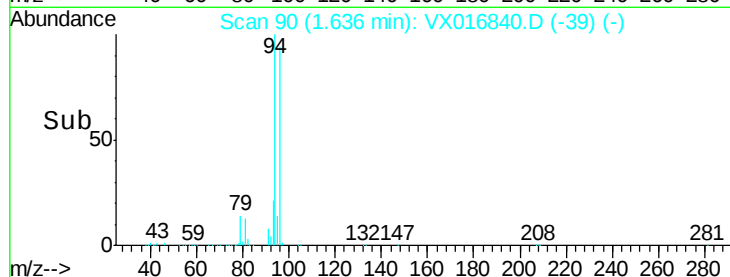
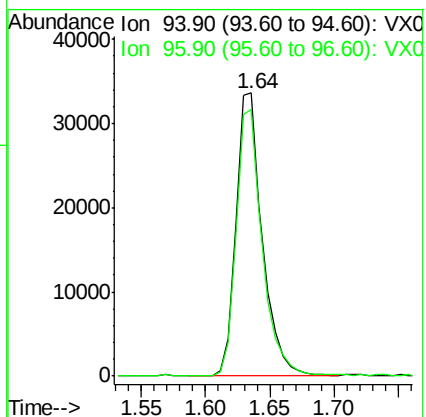
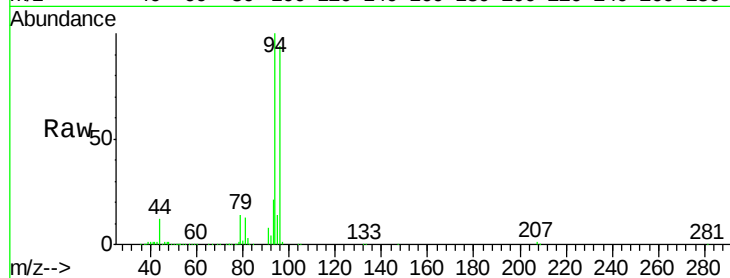
VSTDIC020

Tgt Ion: 94 Resp: 47486

Ion Ratio Lower Upper

94 100

96 94.1 74.4 111.6



#6

Chloroethane

Concen: 23.444 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016840.D

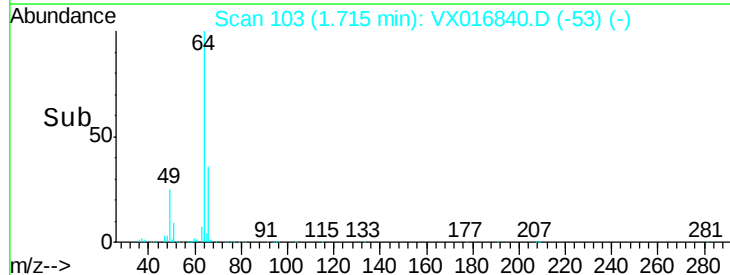
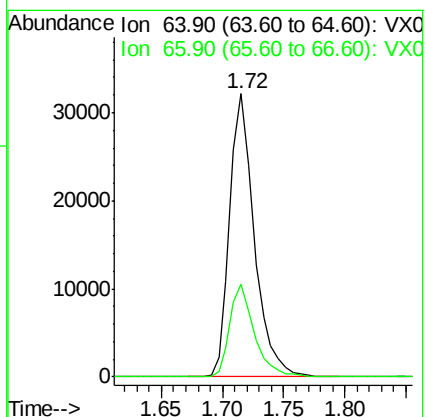
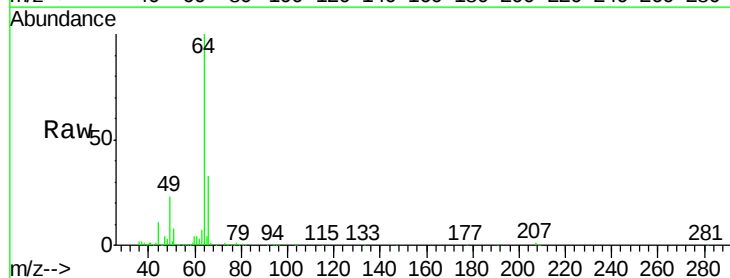
Acq: 18 Jun 2020 11:24

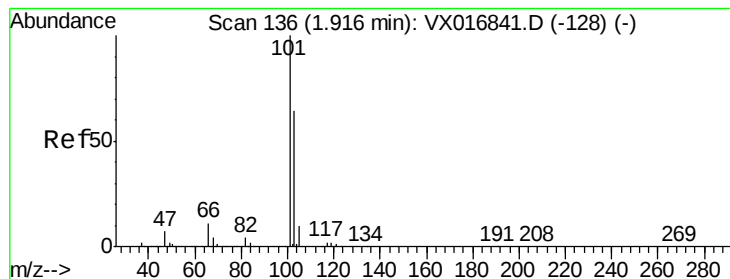
Tgt Ion: 64 Resp: 44810

Ion Ratio Lower Upper

64 100

66 32.8 25.7 38.5



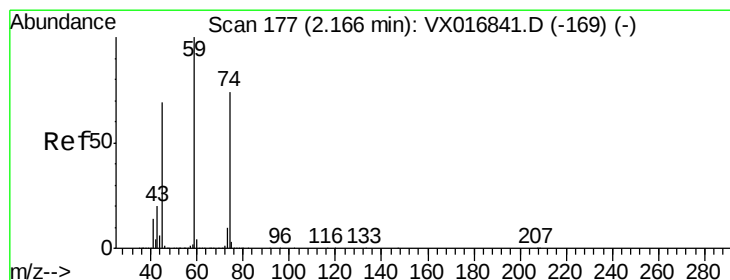
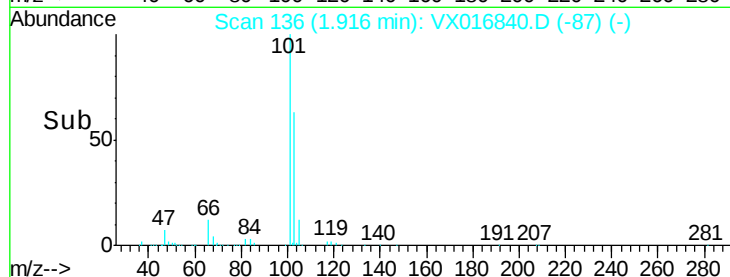
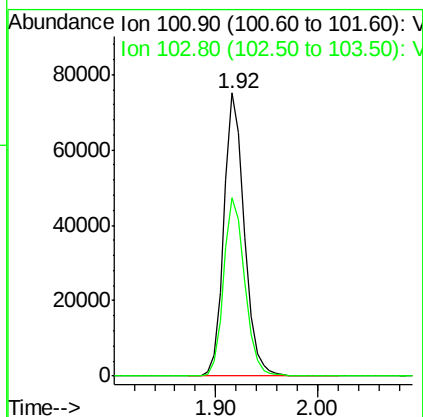
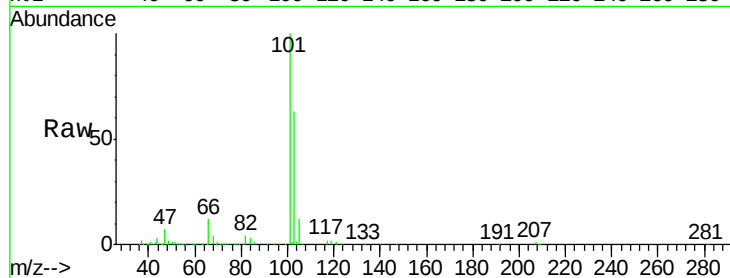


#7

Trichlorofluoromethane
Concen: 23.574 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
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ClientSampleId :
VSTDIC020

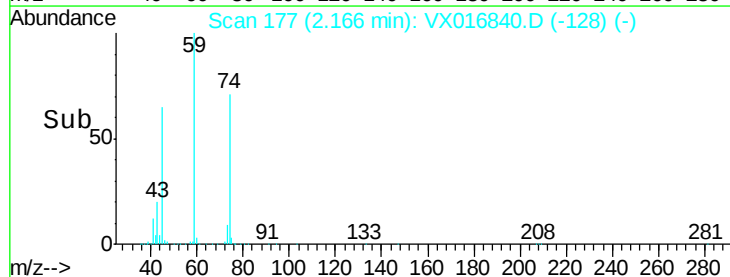
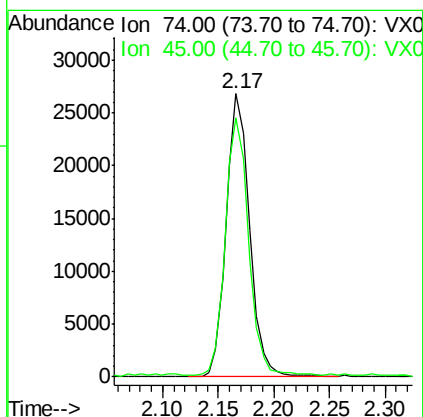
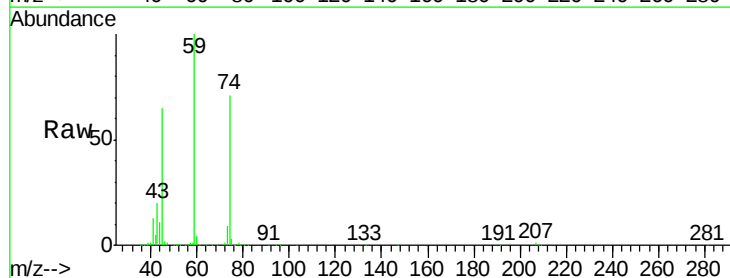
Tgt Ion: 101 Resp: 104571
Ion Ratio Lower Upper
101 100
103 62.8 51.2 76.8

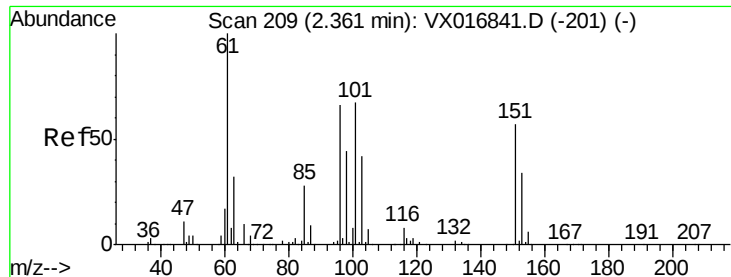


#8

Diethyl Ether
Concen: 21.625 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016840.D
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Tgt Ion: 74 Resp: 39262
Ion Ratio Lower Upper
74 100
45 90.0 45.3 135.8

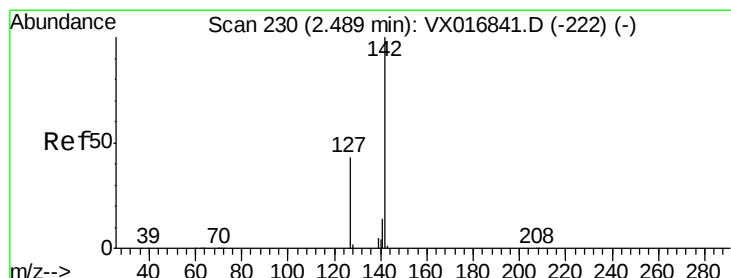
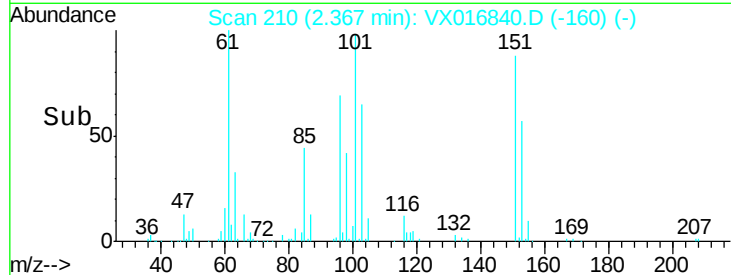
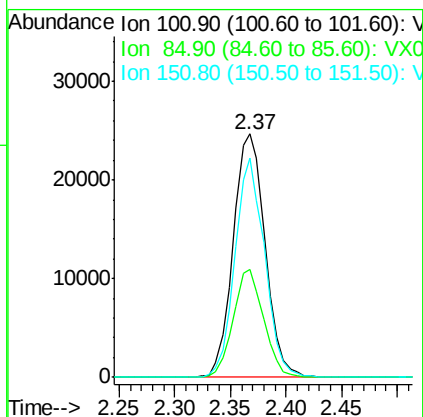
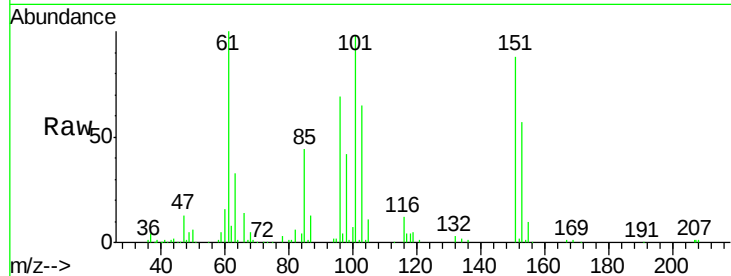




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.551 ug/l
 RT: 2.37 min Scan# 210
 Delta R.T. 0.01 min
 Lab File: VX016840.D
 Acq: 18 Jun 2020 11:24

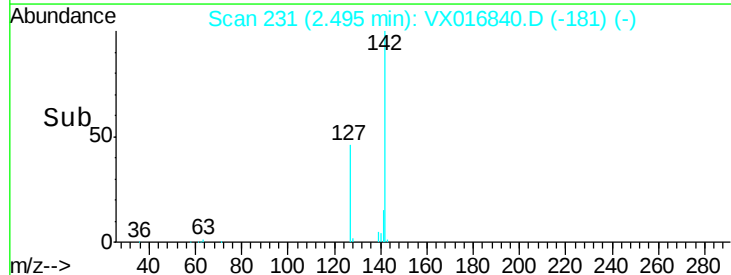
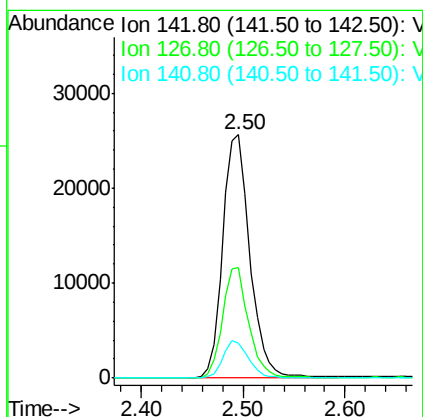
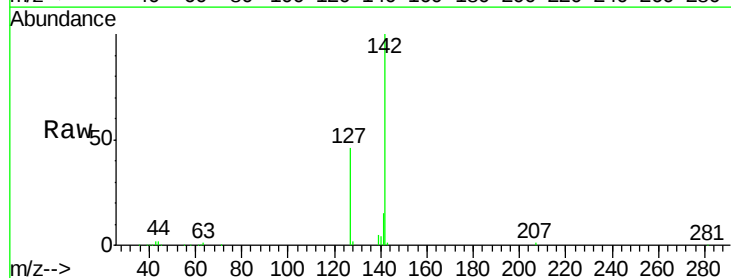
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

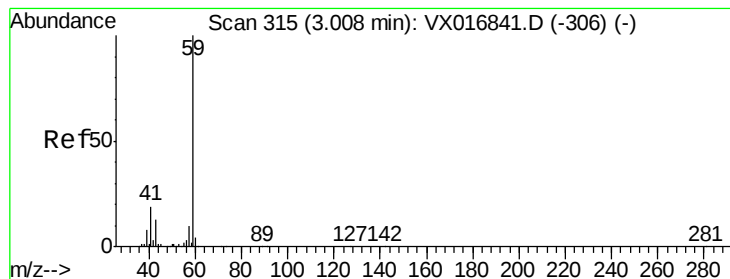
Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.3	51.5
151	84.1	67.6	101.4



#10
 Methyl Iodide
 Concen: 17.331 ug/l
 RT: 2.50 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VX016840.D
 Acq: 18 Jun 2020 11:24

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.8	35.1	52.7
141	14.4	11.6	17.4



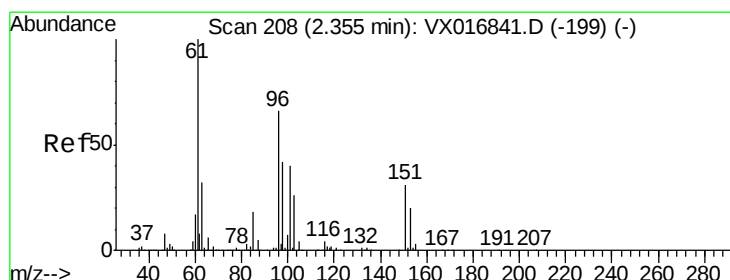
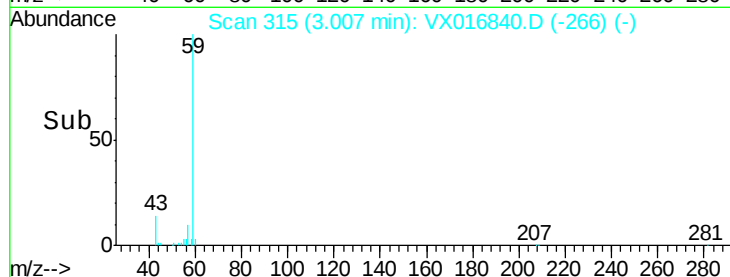
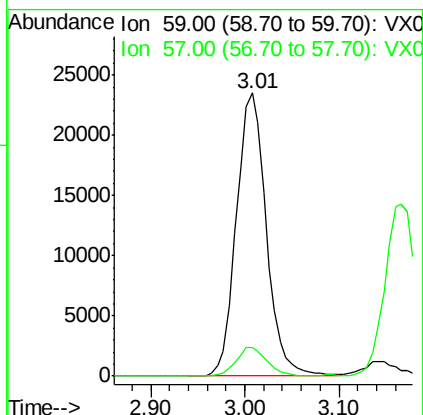
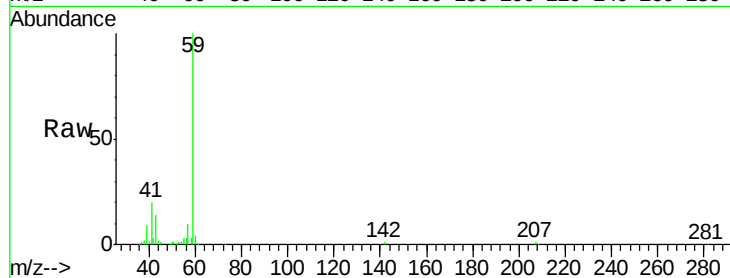


#11

Tert butyl alcohol
 Concen: 75.305 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX016840.D
 Acq: 18 Jun 2020 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

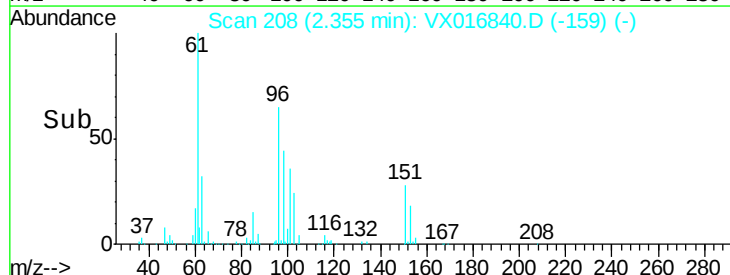
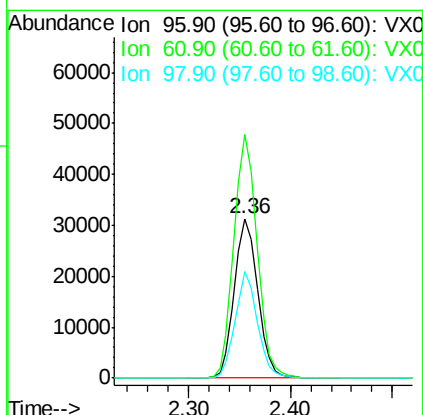
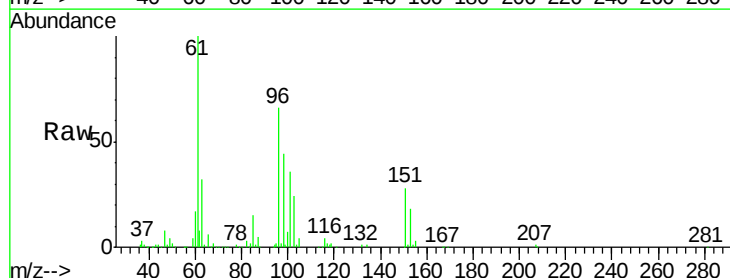
Tgt Ion: 59 Resp: 52270
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.4 12.6

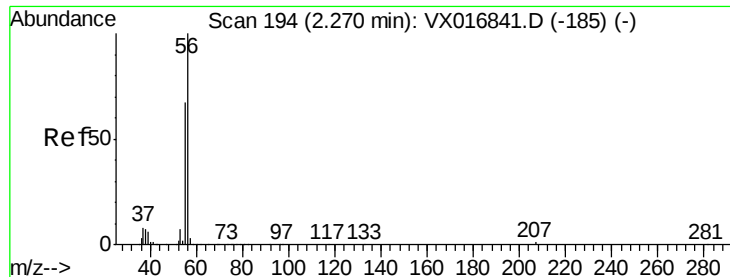


#12

1,1-Dichloroethene
 Concen: 19.368 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016840.D
 Acq: 18 Jun 2020 11:24

Tgt Ion: 96 Resp: 50000
 Ion Ratio Lower Upper
 96 100
 61 152.5 121.7 182.5
 98 66.8 51.1 76.7





#13

Acrolein

Concen: 83.049 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

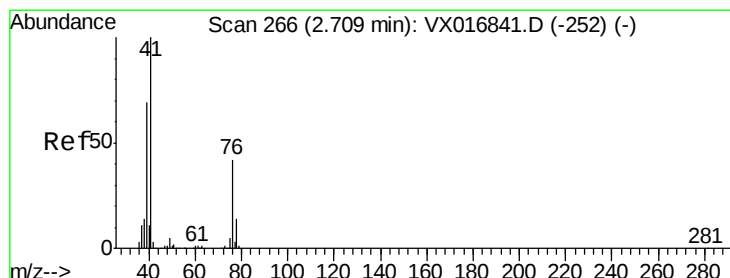
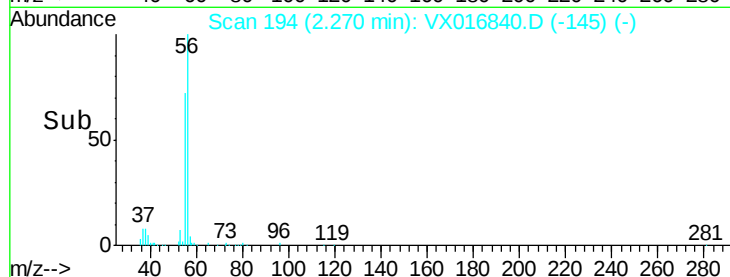
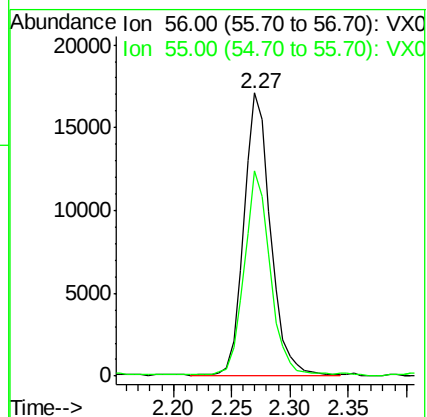
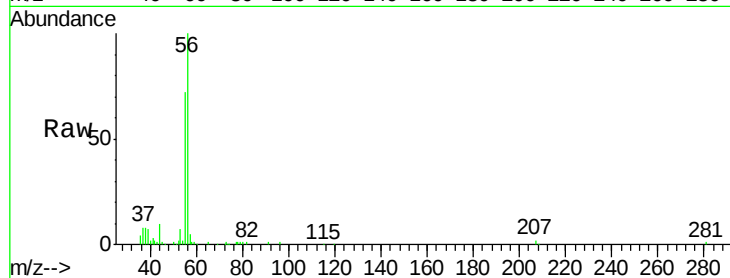
VSTDIC020

Tgt Ion: 56 Resp: 27637

Ion Ratio Lower Upper

56 100

55 67.9 55.7 83.5



#14

Allyl chloride

Concen: 18.663 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

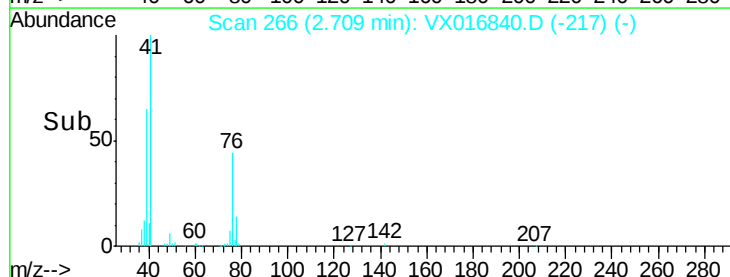
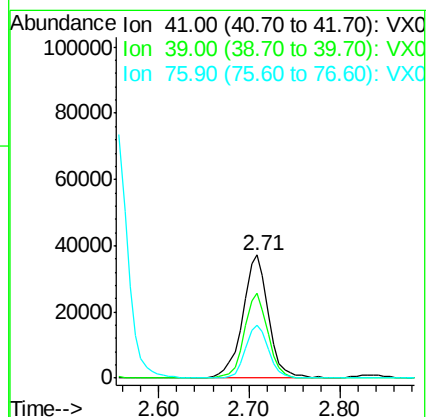
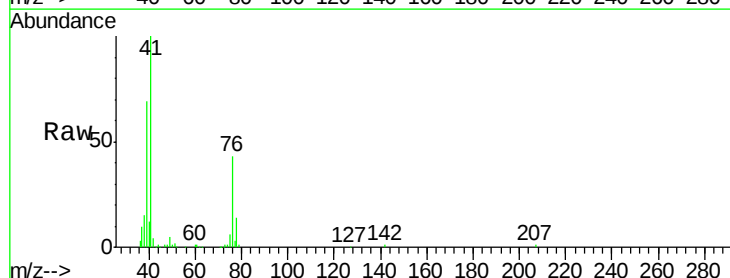
Tgt Ion: 41 Resp: 73098

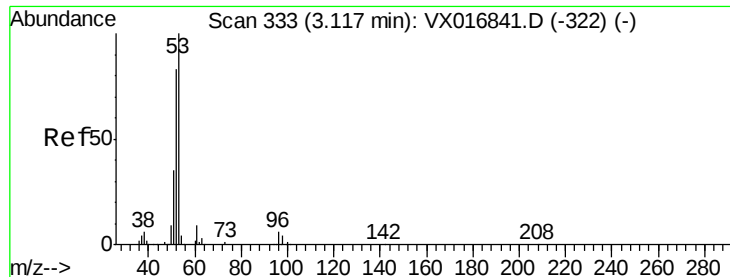
Ion Ratio Lower Upper

41 100

39 63.1 50.7 76.1

76 38.7 30.9 46.3





#15

Acrylonitrile

Concen: 83.957 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

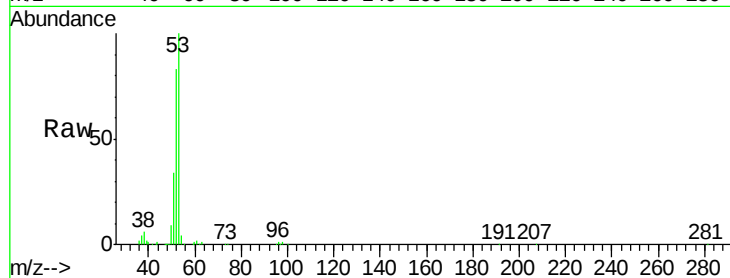
Tgt Ion: 53 Resp: 121130

Ion Ratio Lower Upper

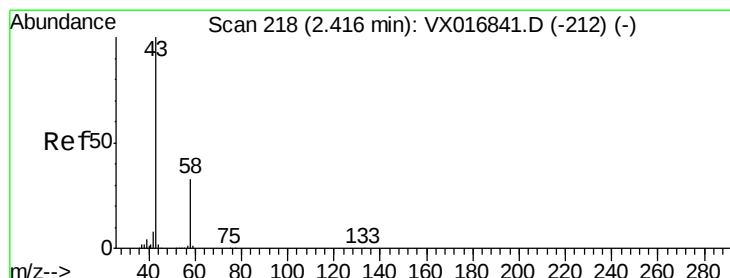
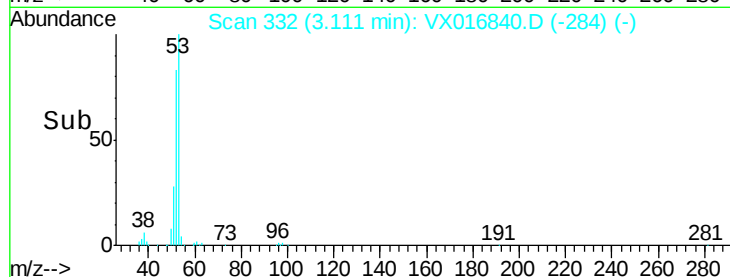
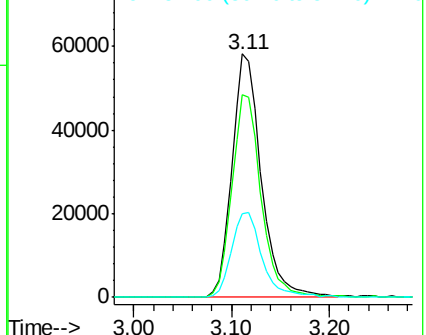
53 100

52 83.3 66.2 99.2

51 36.6 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 80.382 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016840.D

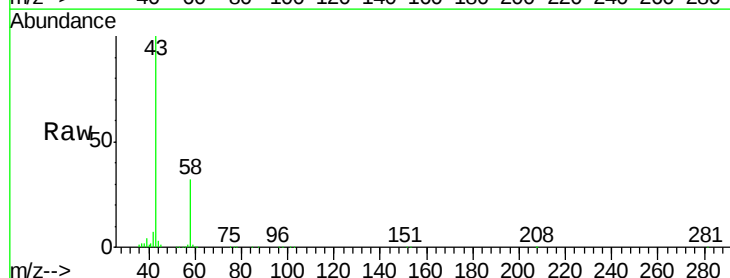
Acq: 18 Jun 2020 11:24

Tgt Ion: 43 Resp: 103037

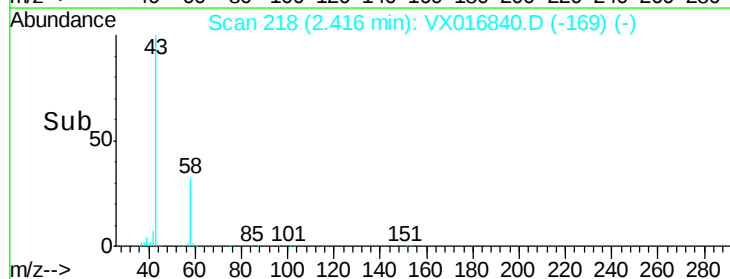
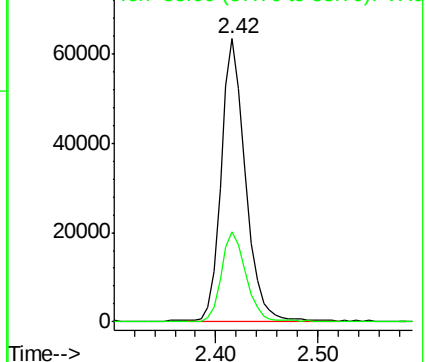
Ion Ratio Lower Upper

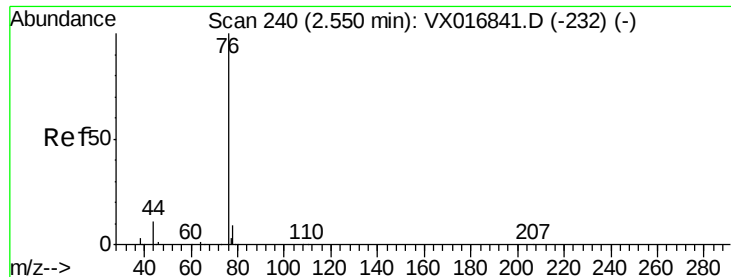
43 100

58 31.7 26.6 39.8



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





#17

Carbon Disulfide

Concen: 19.064 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

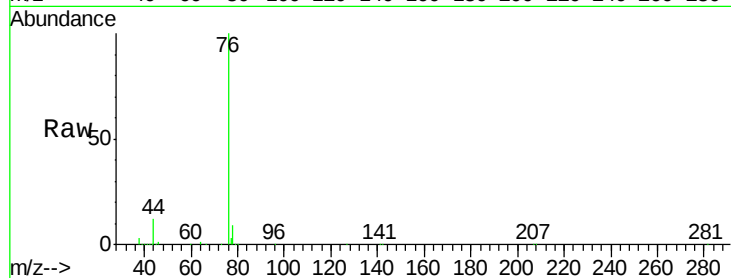
VSTDIC020

Tgt Ion: 76 Resp: 136991

Ion Ratio Lower Upper

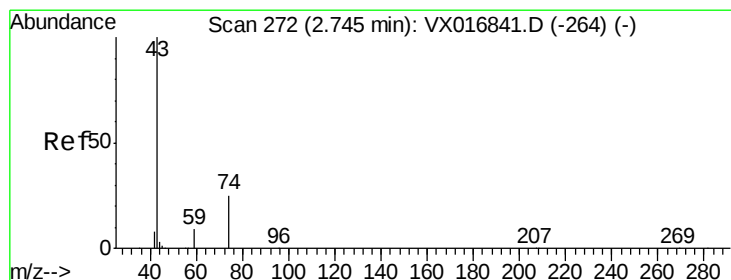
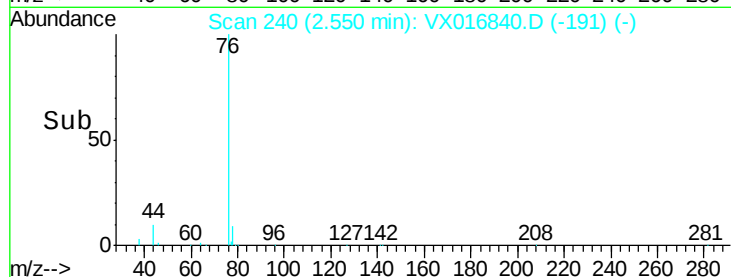
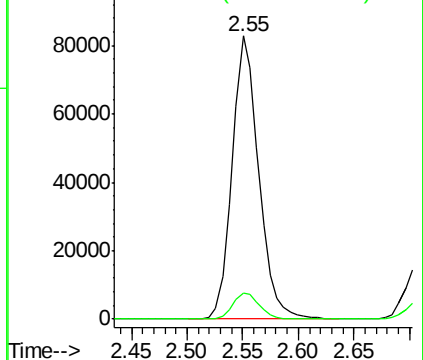
76 100

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



#18

Methyl Acetate

Concen: 17.710 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX016840.D

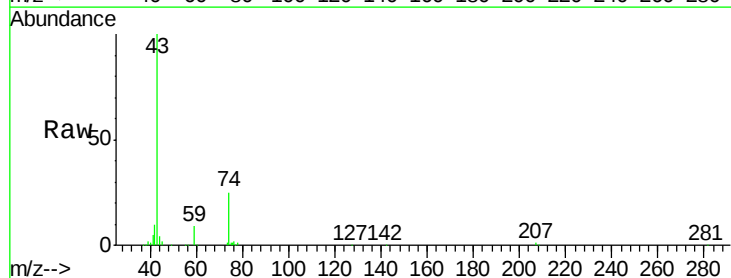
Acq: 18 Jun 2020 11:24

Tgt Ion: 43 Resp: 60587

Ion Ratio Lower Upper

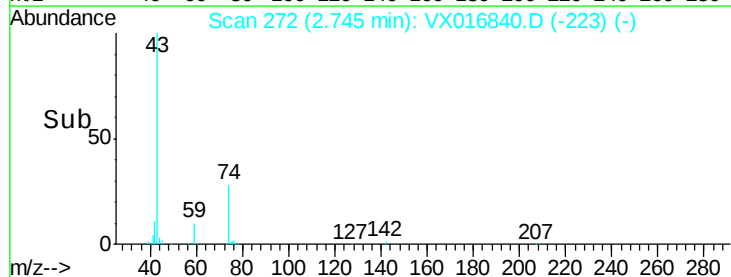
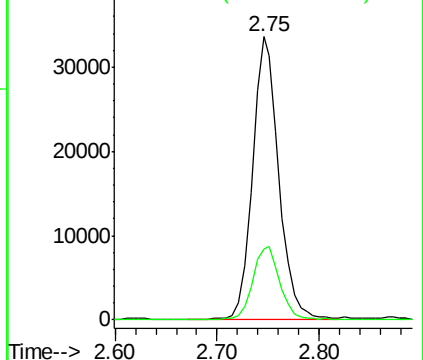
43 100

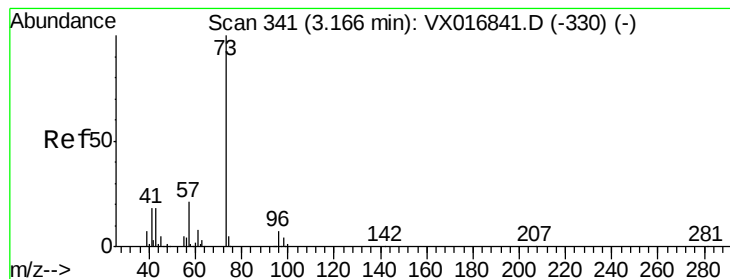
74 26.8 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



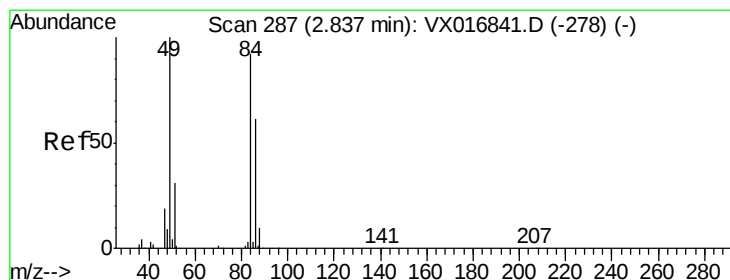
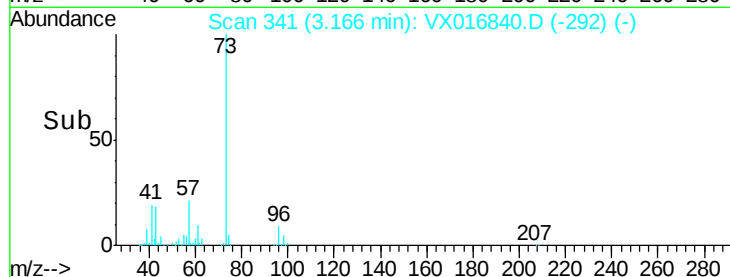
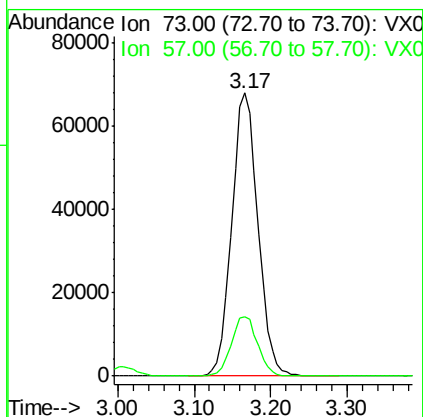
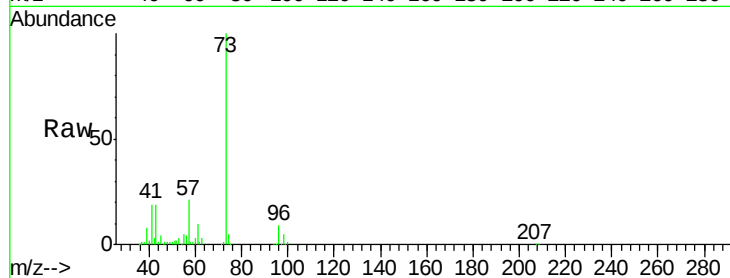


#19

Methyl tert-butyl Ether
 Concen: 18.806 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX016840.D
 Acq: 18 Jun 2020 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

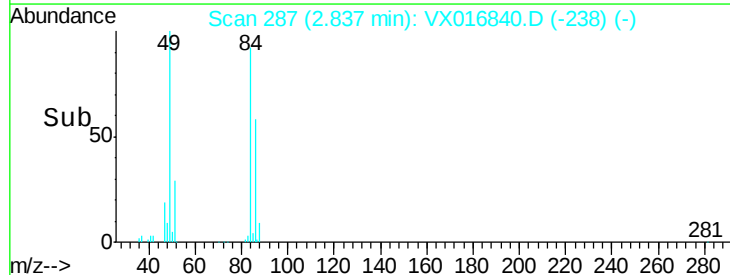
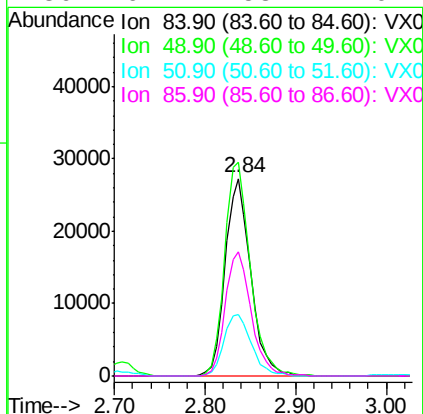
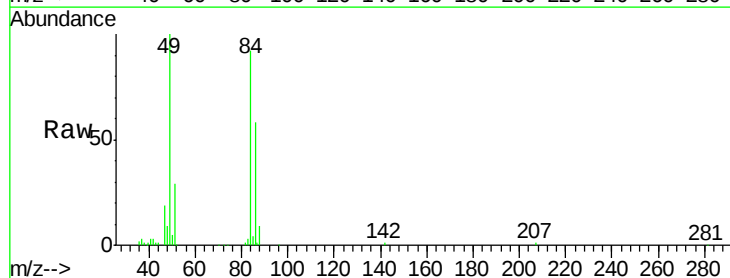
Tgt Ion: 73 Resp: 160684
 Ion Ratio Lower Upper
 73 100
 57 21.1 16.9 25.3

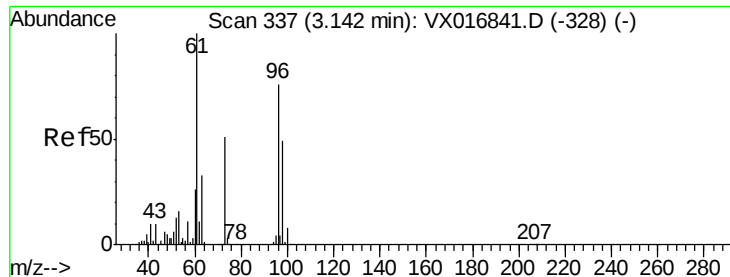


#20

Methylene Chloride
 Concen: 18.889 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VX016840.D
 Acq: 18 Jun 2020 11:24

Tgt Ion: 84 Resp: 53360
 Ion Ratio Lower Upper
 84 100
 49 108.2 86.6 129.8
 51 31.1 27.1 40.7
 86 62.7 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 19.304 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

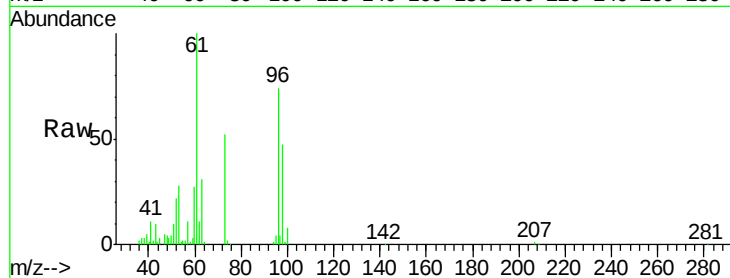
Tgt Ion: 96 Resp: 52214

Ion Ratio Lower Upper

96 100

61 135.2 105.4 158.0

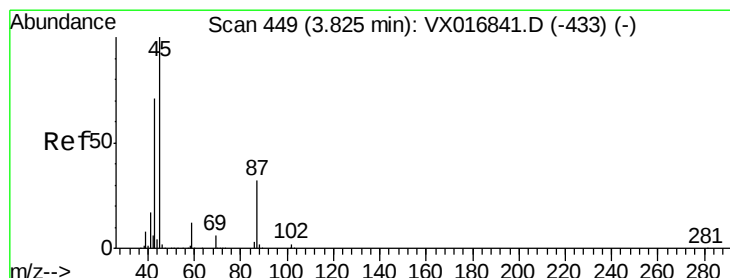
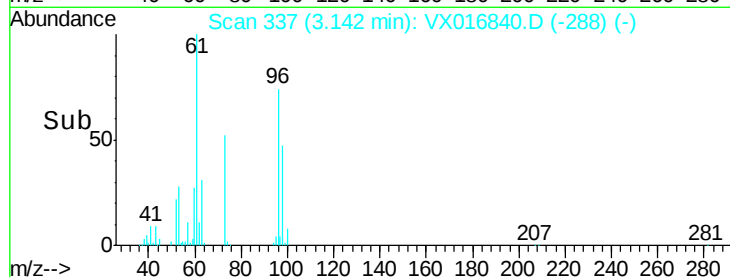
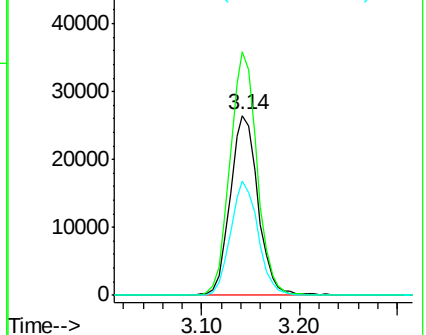
98 63.4 51.3 76.9



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.432 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Tgt Ion: 45 Resp: 143314

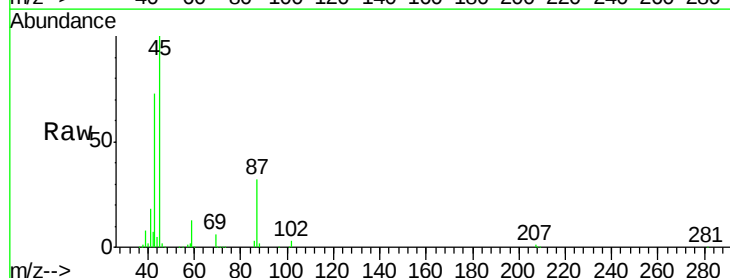
Ion Ratio Lower Upper

45 100

43 72.4 57.0 85.4

87 32.1 25.2 37.8

59 12.7 9.9 14.9

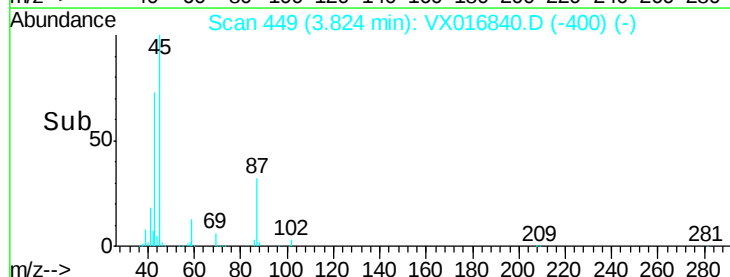
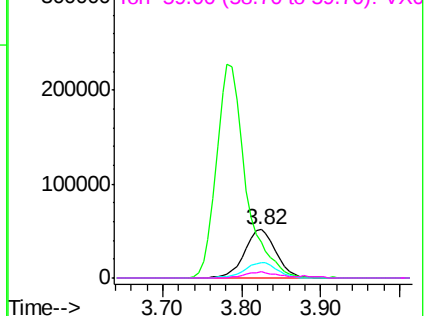


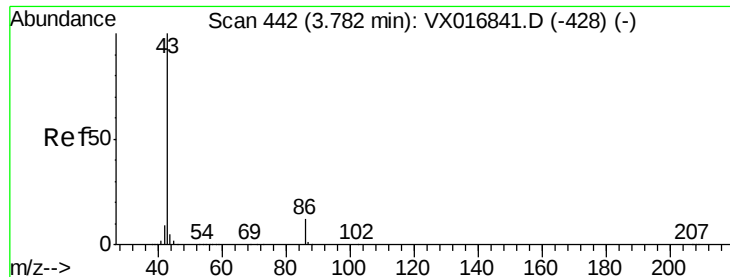
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 92.754 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

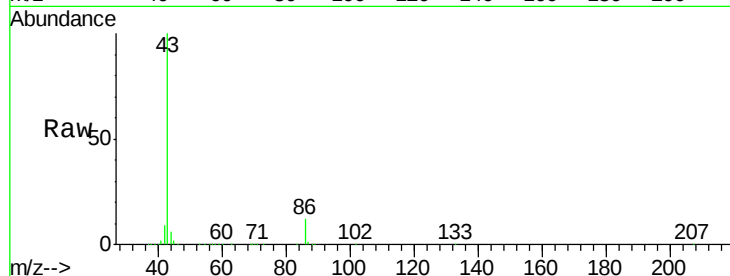
VSTDIC020

Tgt Ion: 43 Resp: 589315

Ion Ratio Lower Upper

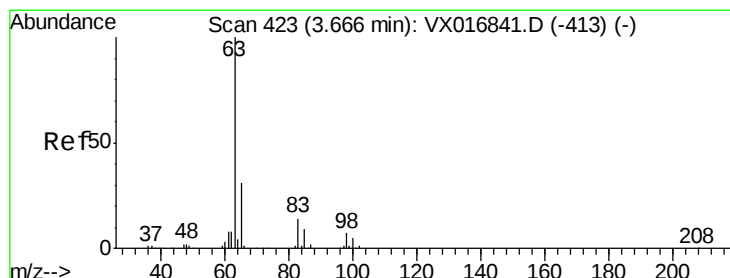
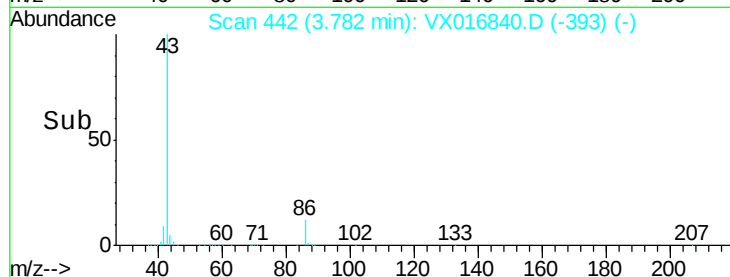
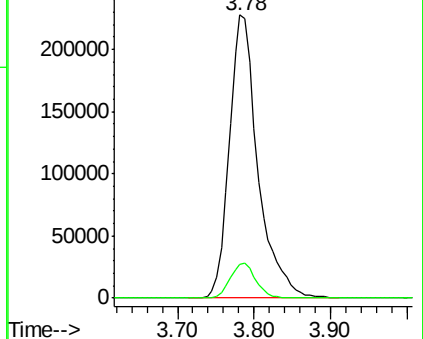
43 100

86 12.0 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.458 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

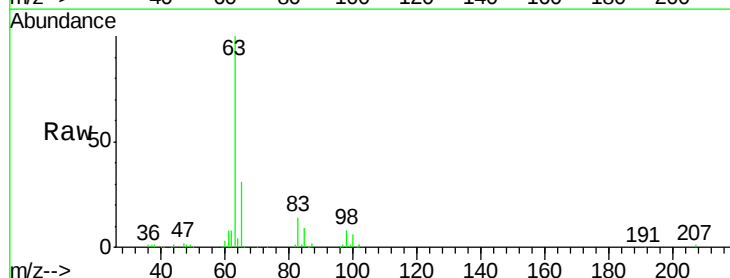
Tgt Ion: 63 Resp: 89856

Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

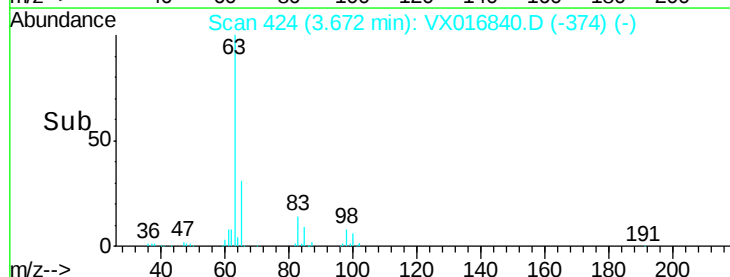
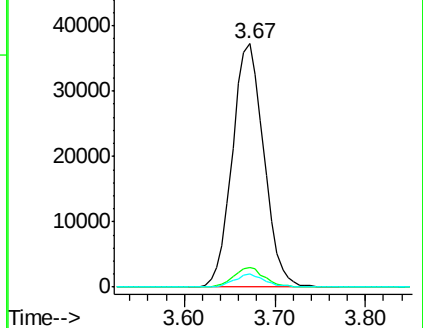
100 5.6 2.4 7.1

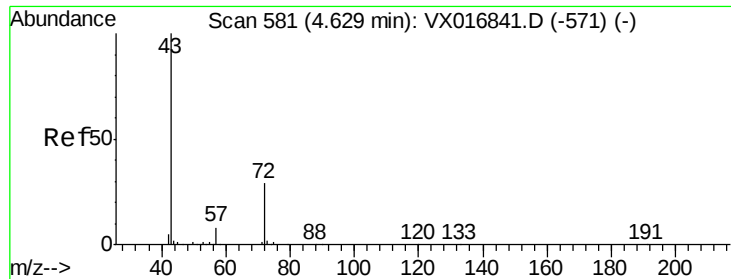


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 83.688 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

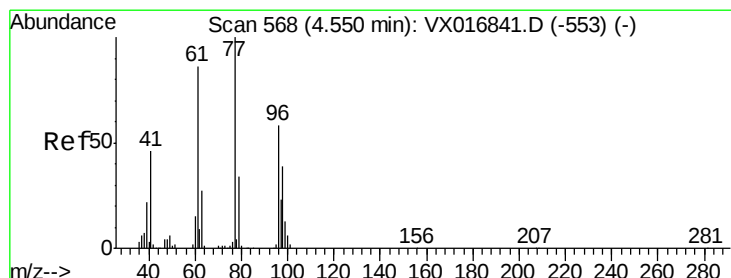
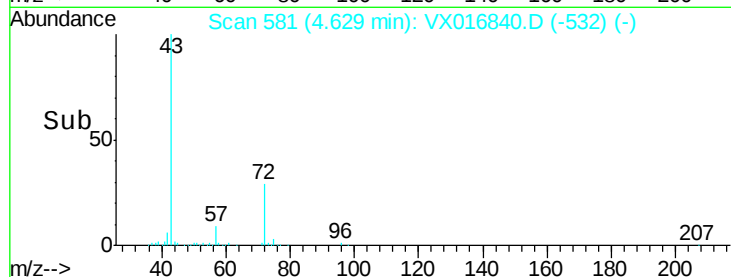
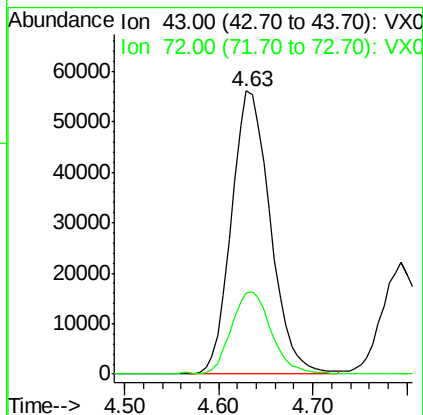
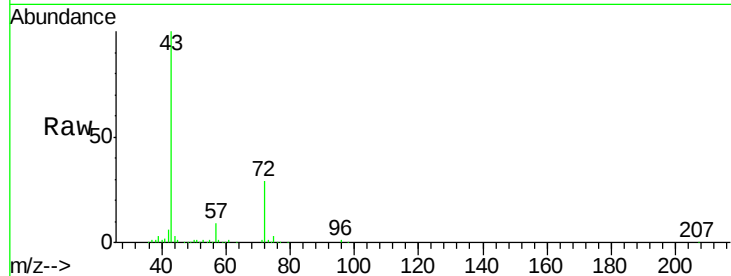
VSTDIC020

Tgt Ion: 43 Resp: 161191

Ion Ratio Lower Upper

43 100

72 28.5 23.5 35.3



#26

2,2-Dichloropropane

Concen: 19.481 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016840.D

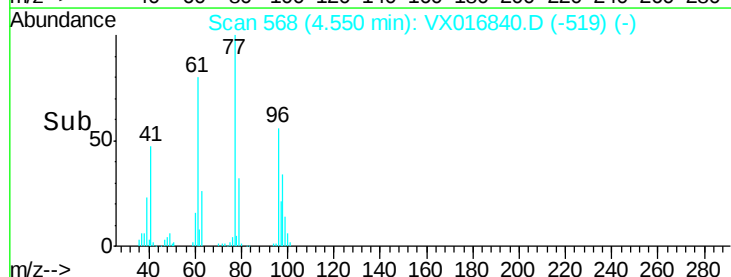
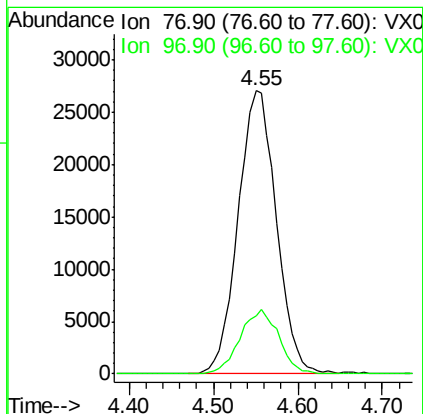
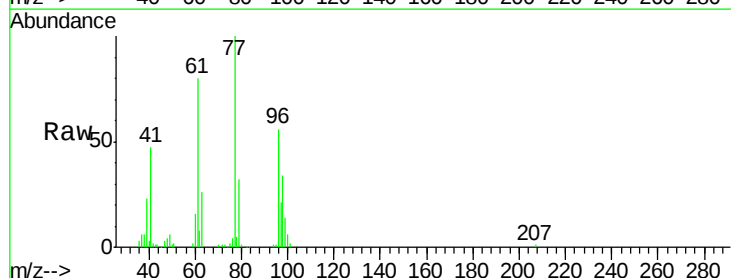
Acq: 18 Jun 2020 11:24

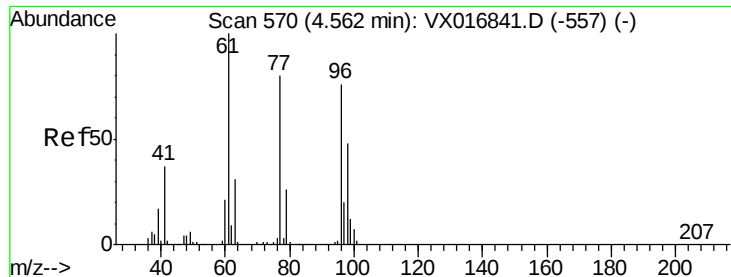
Tgt Ion: 77 Resp: 83272

Ion Ratio Lower Upper

77 100

97 22.9 11.6 34.7



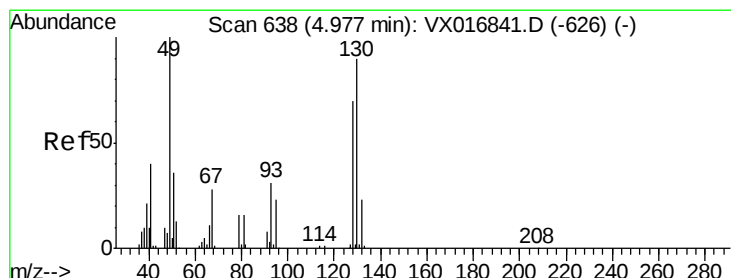
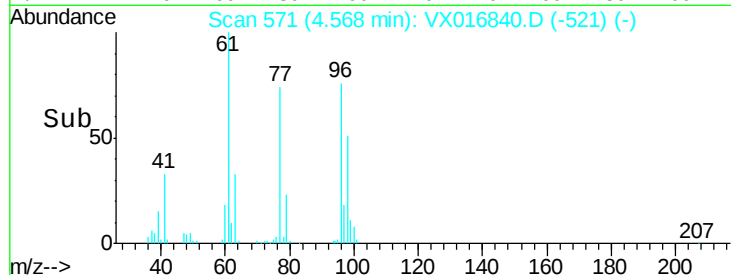
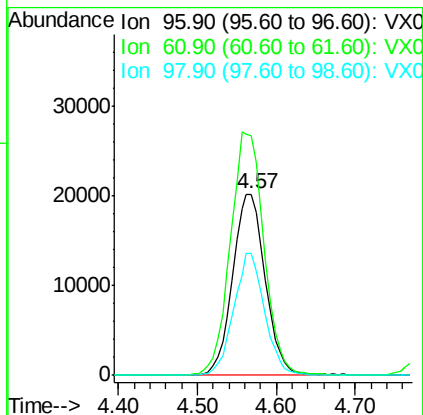
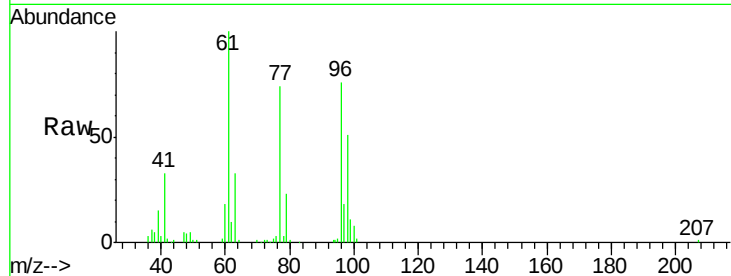


#27

cis-1,2-Dichloroethene
Concen: 18.777 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

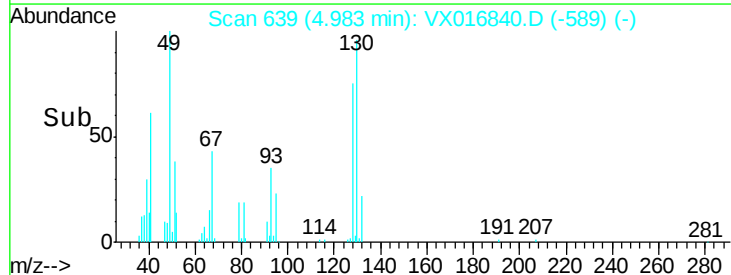
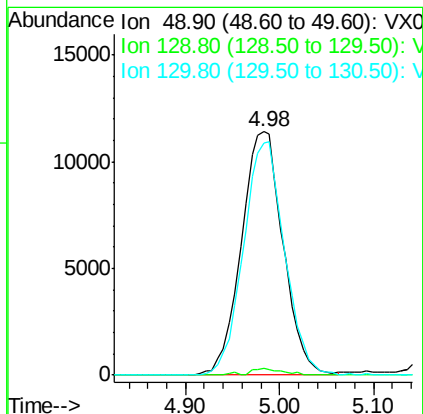
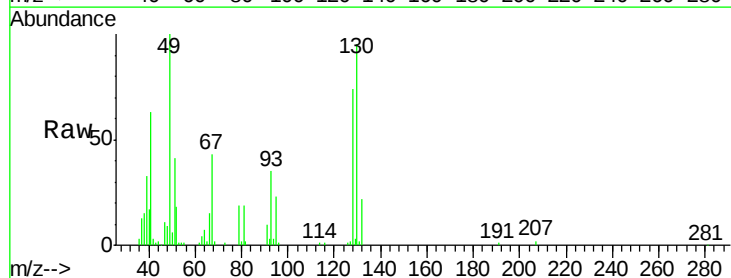
Tgt Ion: 96 Resp: 58091
Ion Ratio Lower Upper
96 100
61 138.6 0.0 273.8
98 63.5 0.0 129.0

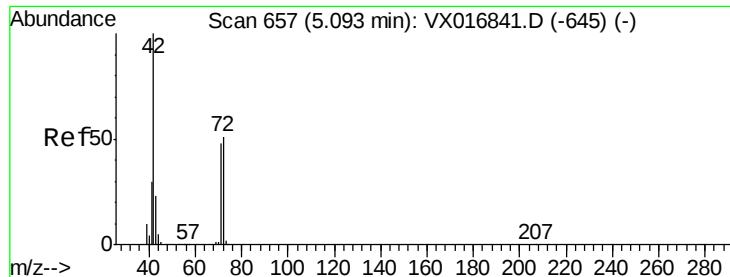


#28

Bromochloromethane
Concen: 18.012 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

Tgt Ion: 49 Resp: 35393
Ion Ratio Lower Upper
49 100
129 1.9 0.0 5.0
130 94.3 76.8 115.2

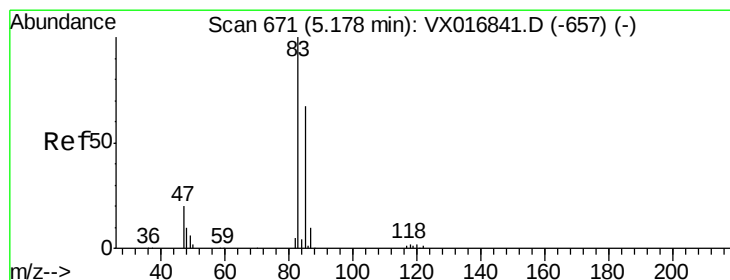
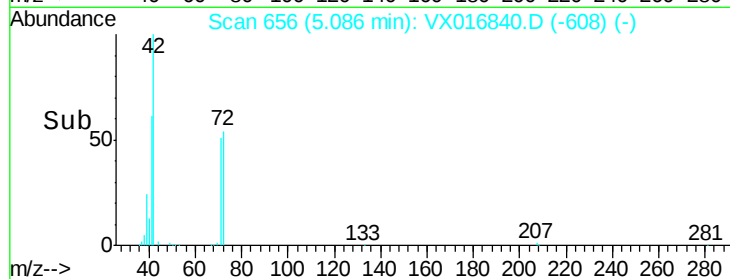
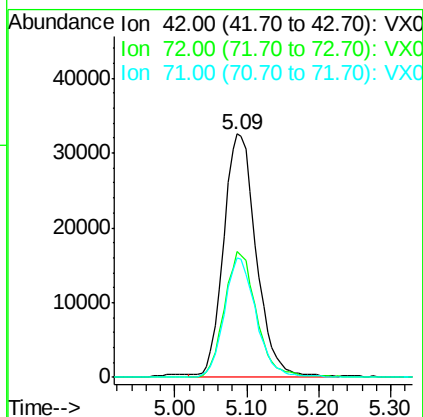
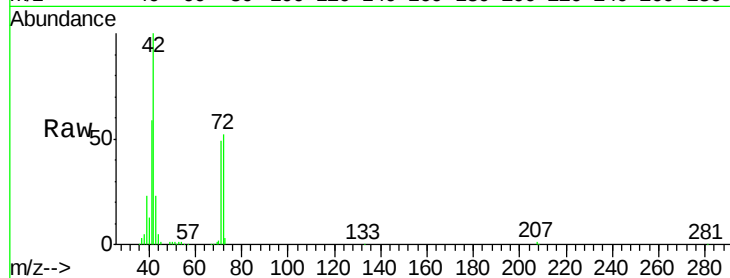




#29
Tetrahydrofuran
Concen: 81.729 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

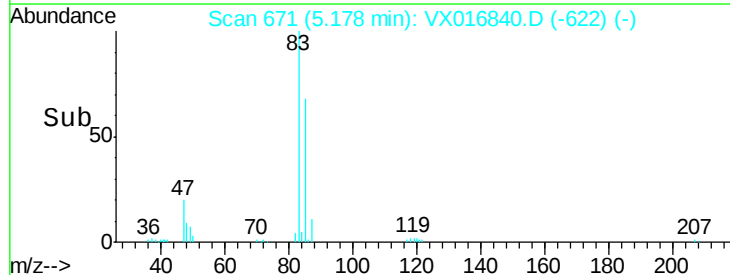
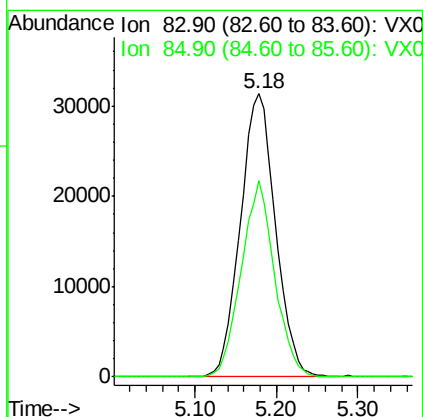
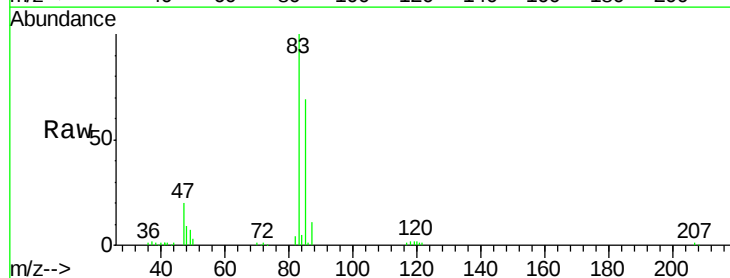
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

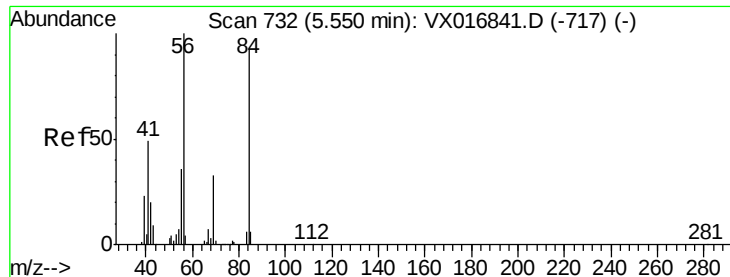
Tgt Ion: 42 Resp: 101882
Ion Ratio Lower Upper
42 100
72 51.3 41.1 61.7
71 47.9 38.4 57.6



#30
Chloroform
Concen: 19.241 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

Tgt Ion: 83 Resp: 93980
Ion Ratio Lower Upper
83 100
85 69.2 53.4 80.0

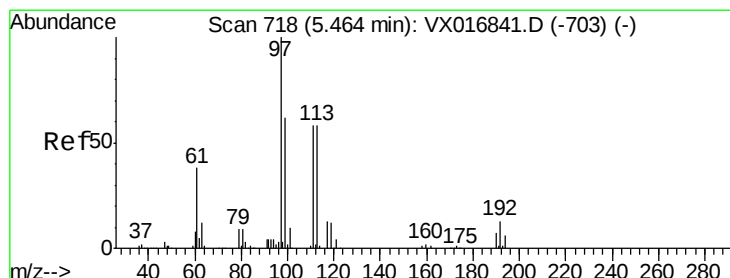
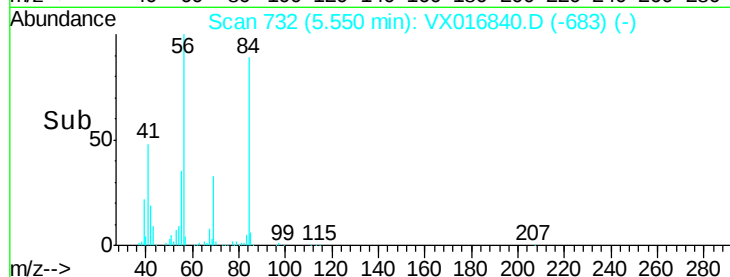
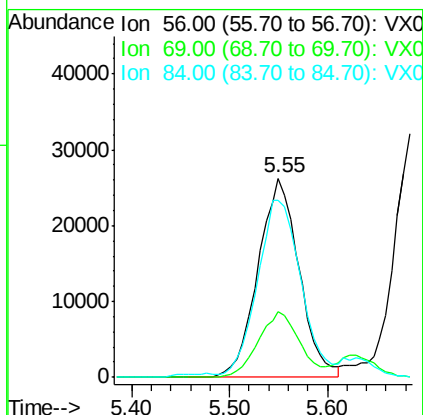
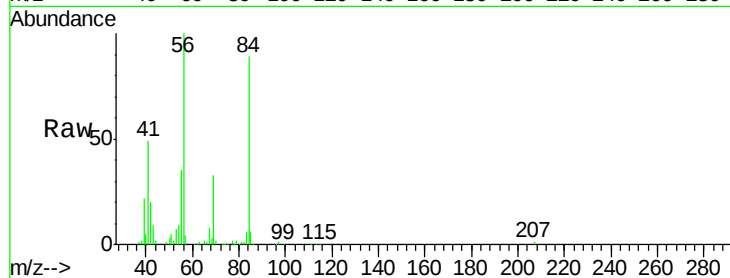




#31
Cyclohexane
Concen: 21.978 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

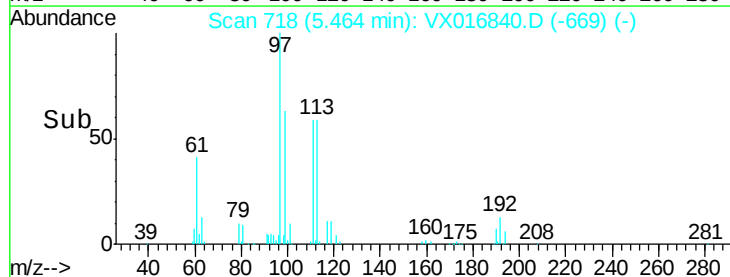
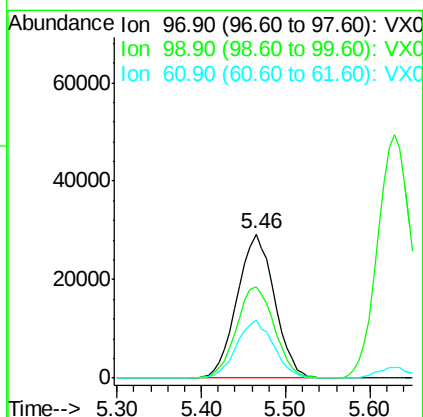
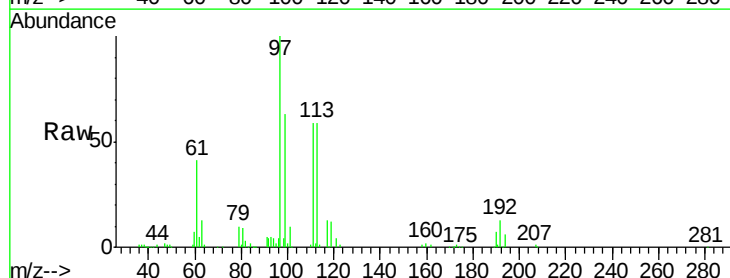
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

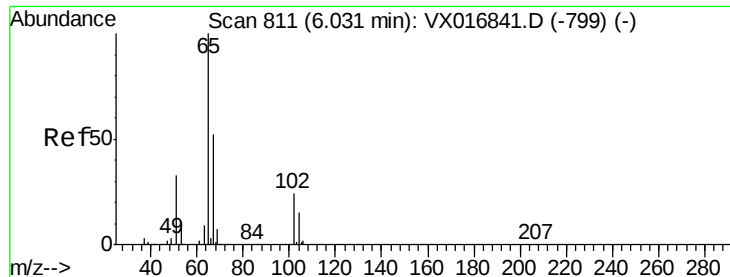
Tgt Ion: 56 Resp: 76591
Ion Ratio Lower Upper
56 100
69 32.9 26.1 39.1
84 87.0 73.0 109.6



#32
1,1,1-Trichloroethane
Concen: 19.820 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

Tgt Ion: 97 Resp: 87838
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 40.1 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 19.653 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

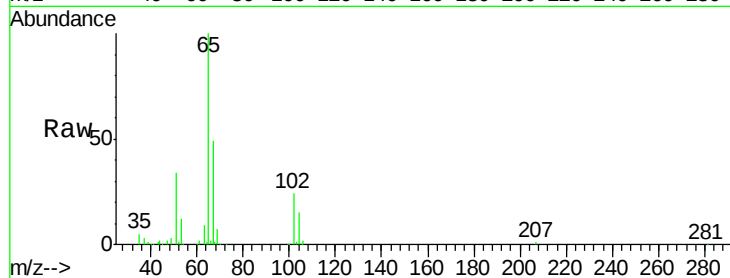
VSTDIC020

Tgt Ion: 65 Resp: 60149

Ion Ratio Lower Upper

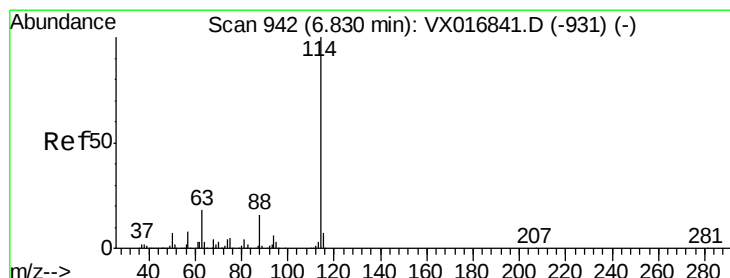
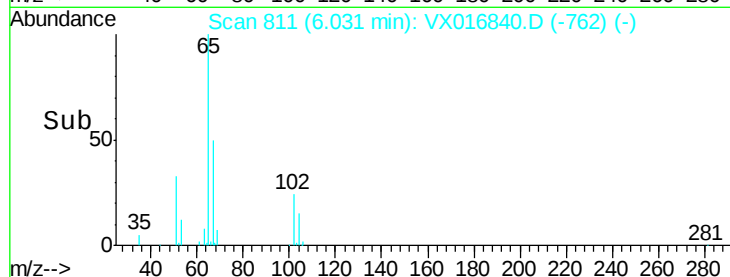
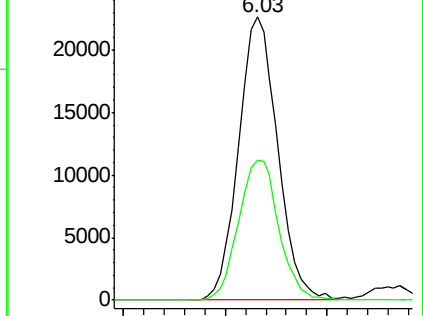
65 100

67 51.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

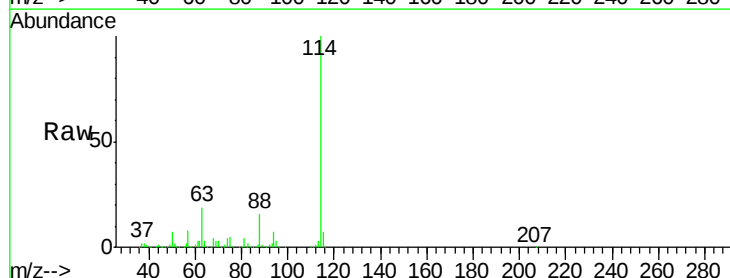
Tgt Ion: 114 Resp: 383530

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.0

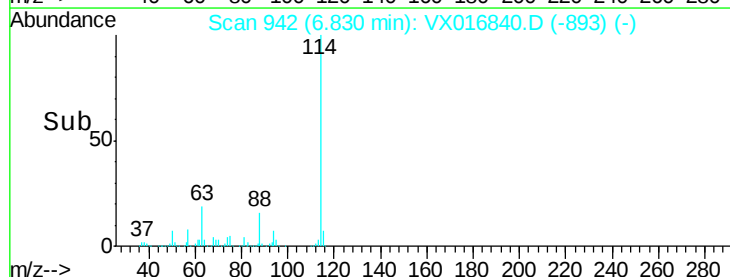
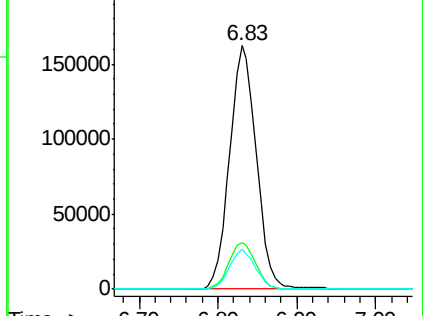
88 16.2 0.0 32.0

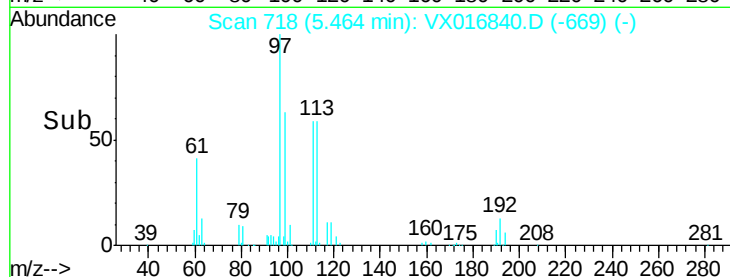
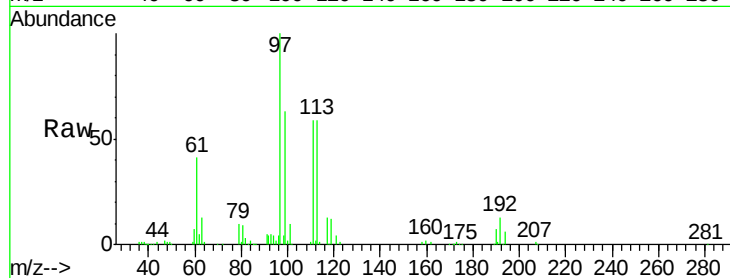
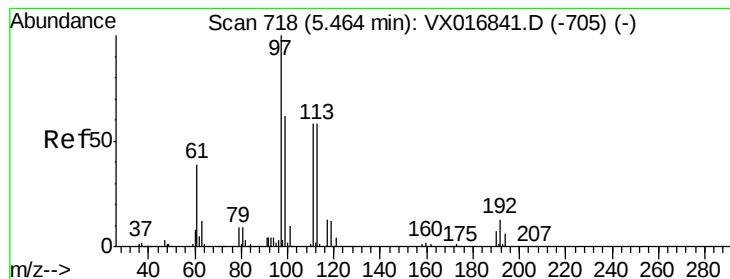


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 20.630 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

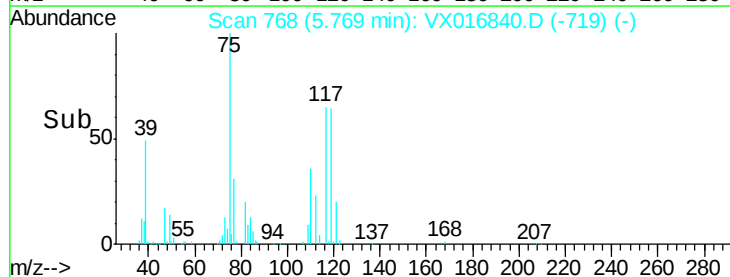
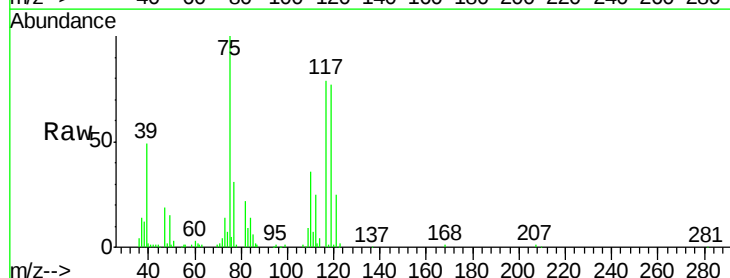
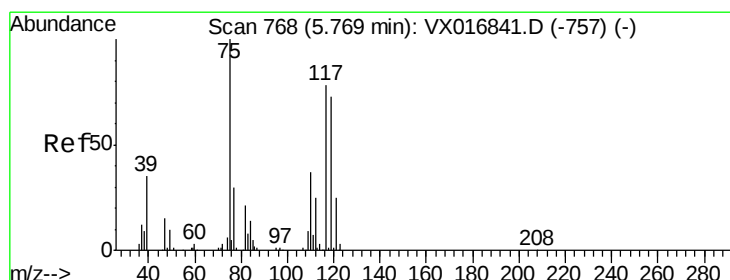
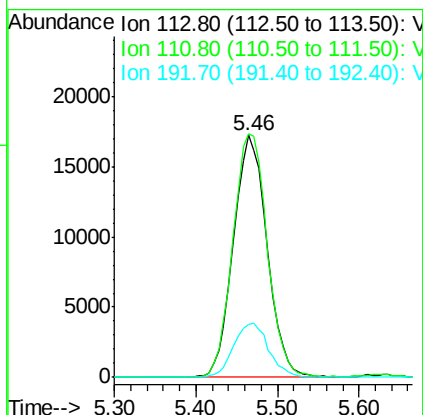
Tgt Ion: 113 Resp: 49136

Ion Ratio Lower Upper

113 100

111 103.0 81.0 121.4

192 23.1 18.5 27.7



#36

1,1-Dichloropropene

Concen: 20.395 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

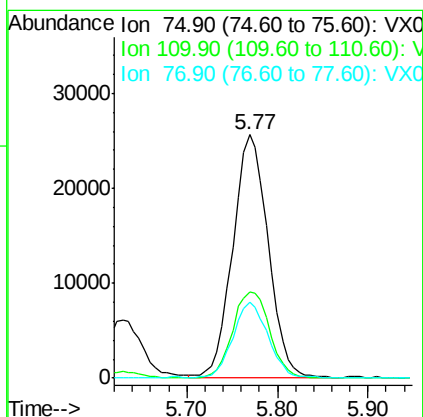
Tgt Ion: 75 Resp: 68980

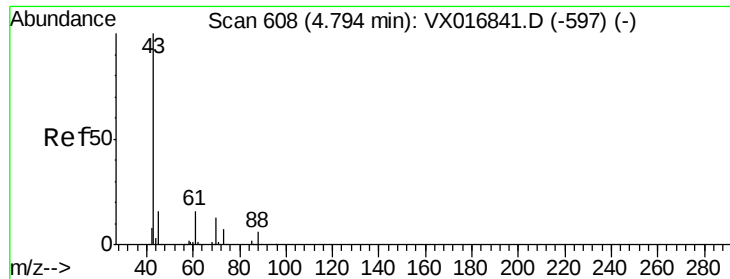
Ion Ratio Lower Upper

75 100

110 37.5 18.9 56.9

77 31.2 25.6 38.4

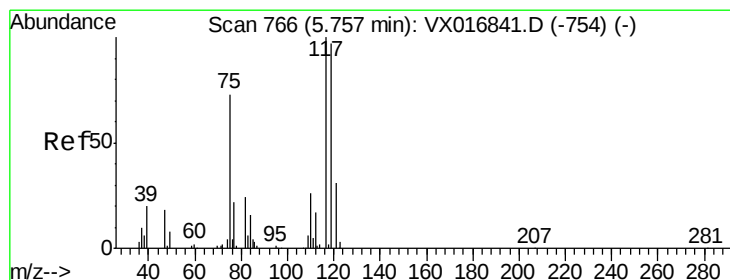
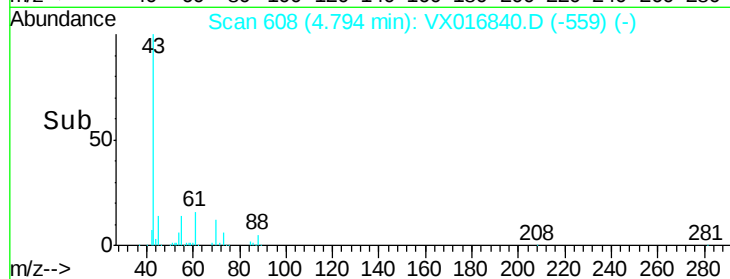
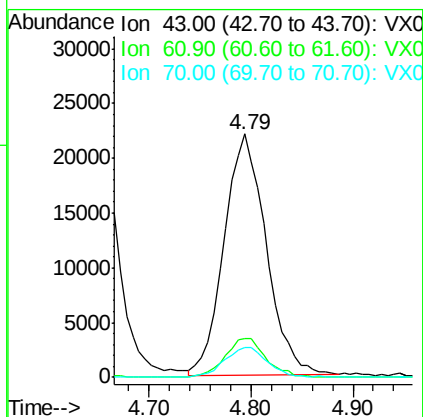
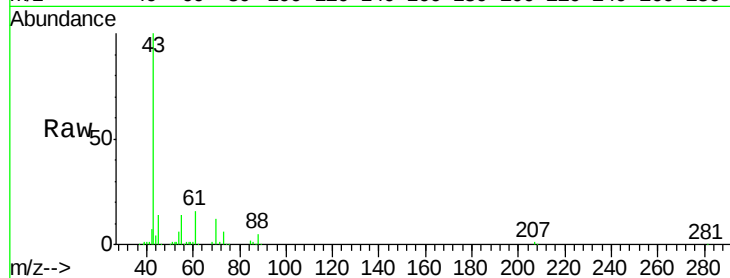




#37
Ethyl Acetate
Concen: 17.325 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

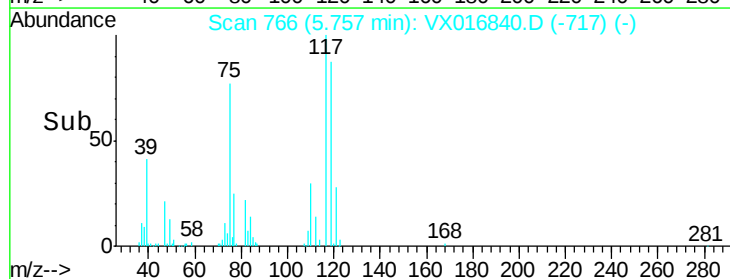
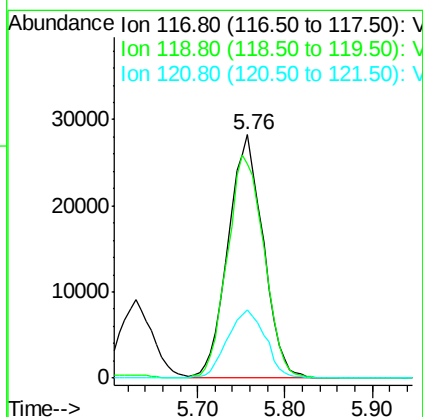
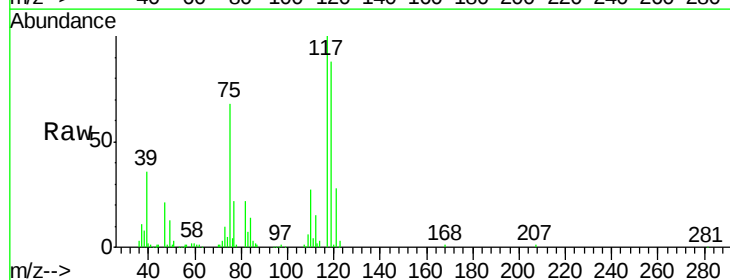
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

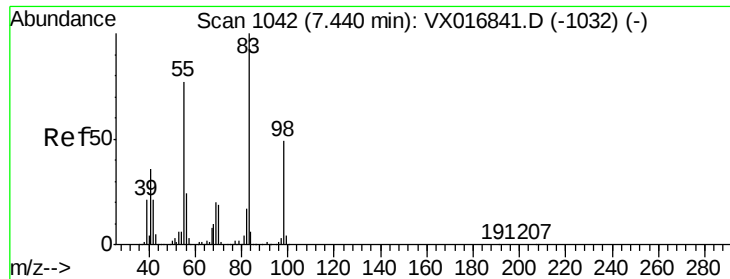
Tgt Ion: 43 Resp: 62923
Ion Ratio Lower Upper
43 100
61 16.0 12.2 18.2
70 12.8 10.5 15.7



#38
Carbon Tetrachloride
Concen: 20.645 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

Tgt Ion: 117 Resp: 79294
Ion Ratio Lower Upper
117 100
119 87.8 77.4 116.2
121 28.0 24.7 37.1

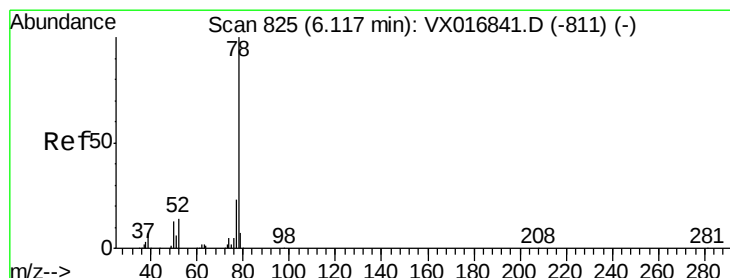
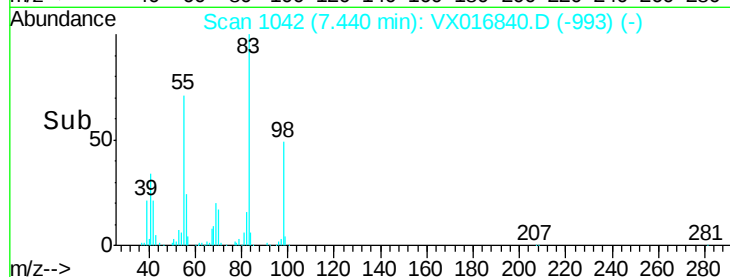
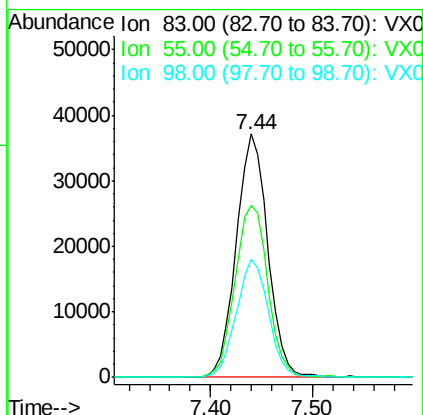
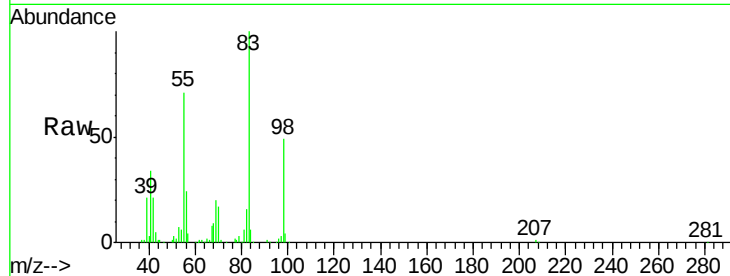




#39
Methylcyclohexane
Concen: 21.742 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

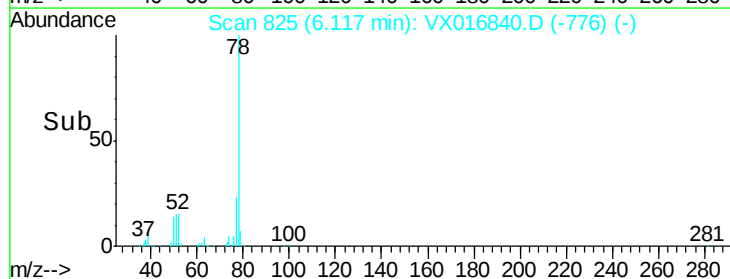
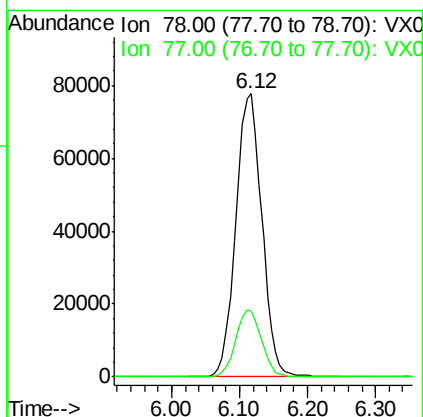
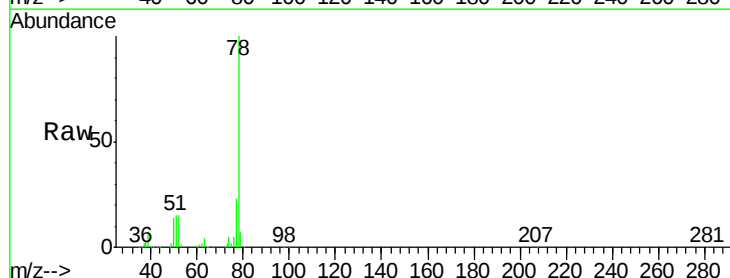
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

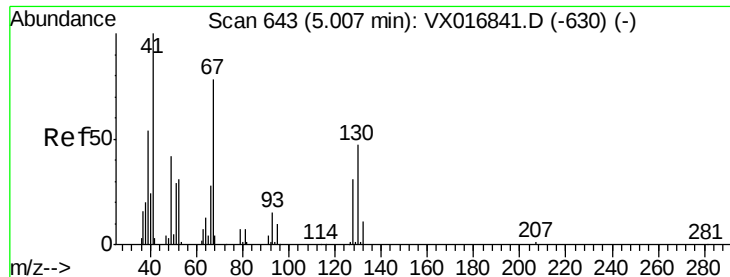
Tgt Ion: 83 Resp: 79641
Ion Ratio Lower Upper
83 100
55 70.8 61.7 92.5
98 48.7 39.0 58.6



#40
Benzene
Concen: 20.092 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

Tgt Ion: 78 Resp: 207178
Ion Ratio Lower Upper
78 100
77 23.1 18.6 27.8

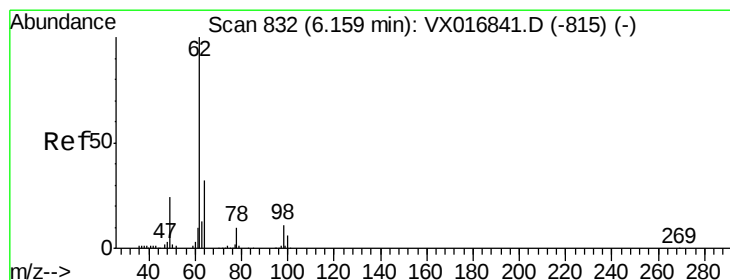
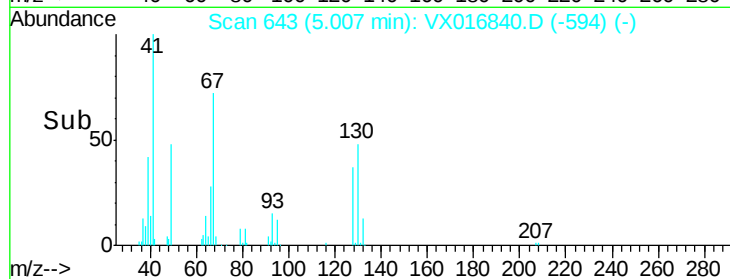
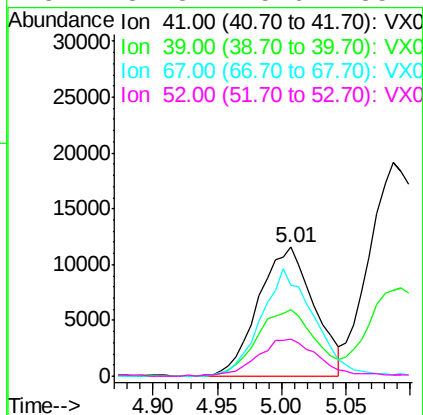
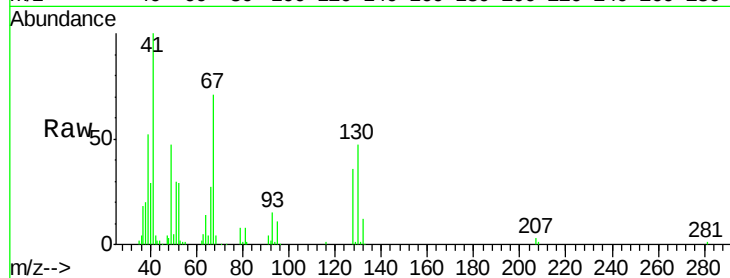




#41
Methacrylonitrile
Concen: 17.883 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

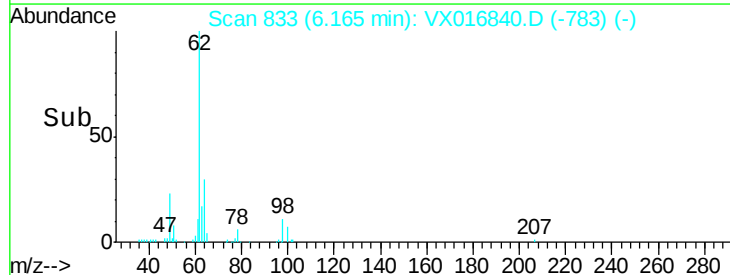
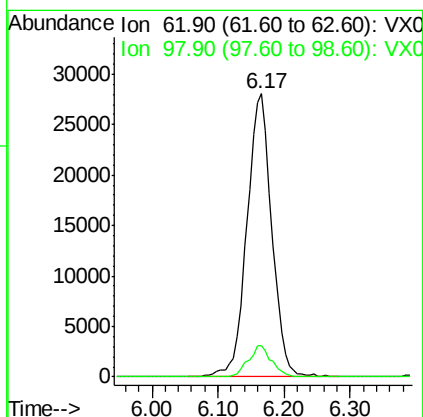
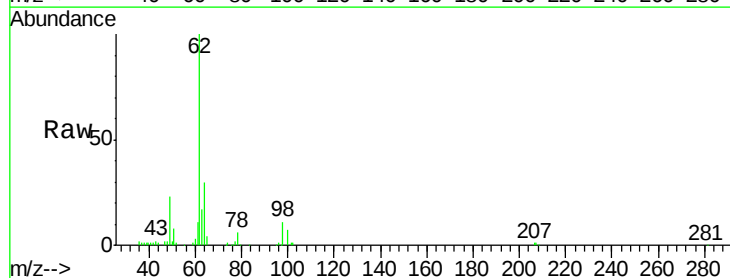
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

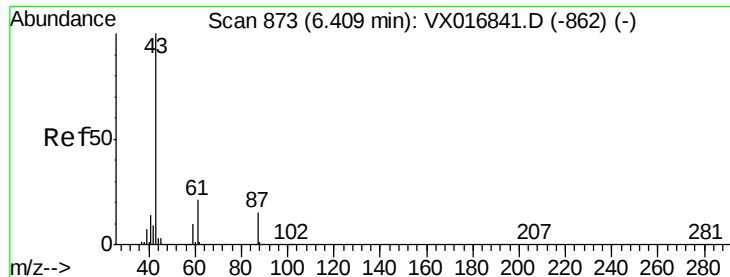
Tgt Ion:	41	Resp:	34820
Ion	Ratio	Lower	Upper
41	100		
39	53.9	42.6	64.0
67	79.7	64.2	96.2
52	31.3	25.6	38.4



#42
1,2-Dichloroethane
Concen: 19.585 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

Tgt Ion:	62	Resp:	73673
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.8

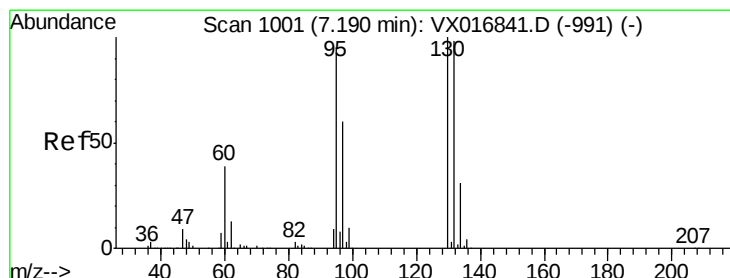
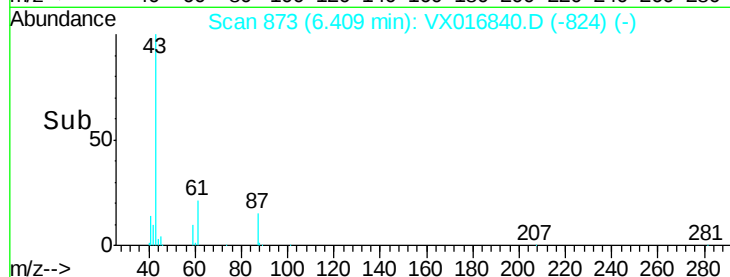
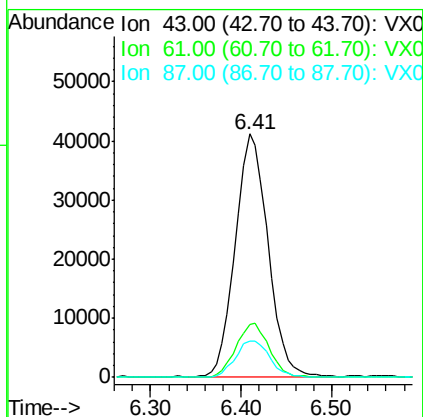
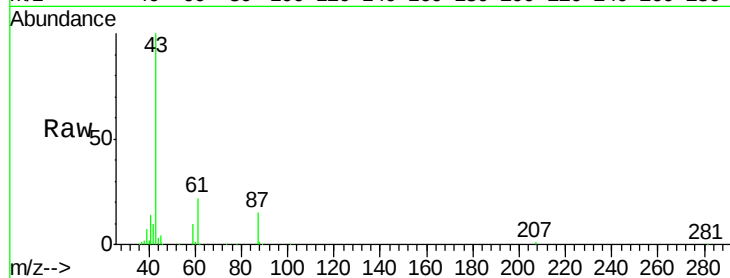




#43
Isopropyl Acetate
Concen: 17.855 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

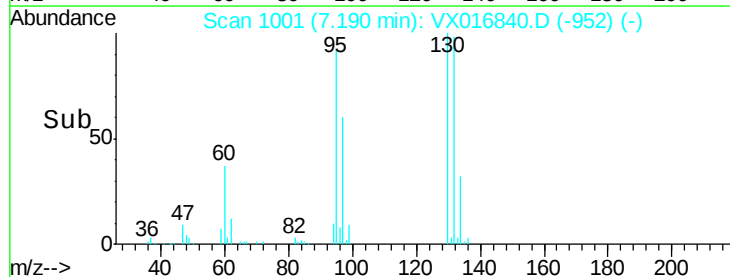
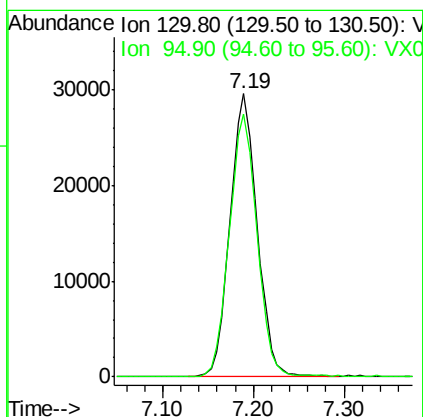
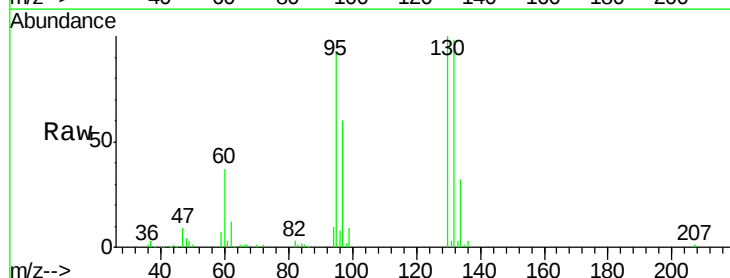
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

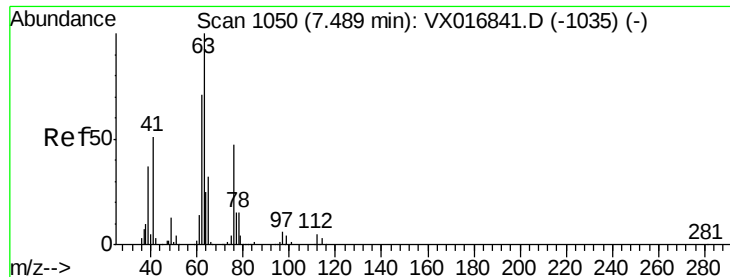
Tgt Ion: 43 Resp: 103851
Ion Ratio Lower Upper
43 100
61 22.2 17.9 26.9
87 15.7 12.4 18.6



#44
Trichloroethene
Concen: 18.692 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

Tgt Ion: 130 Resp: 61458
Ion Ratio Lower Upper
130 100
95 92.8 0.0 190.8





#45

1,2-Dichloropropane

Concen: 19.905 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

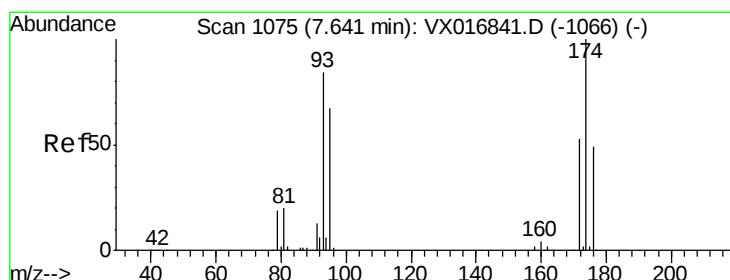
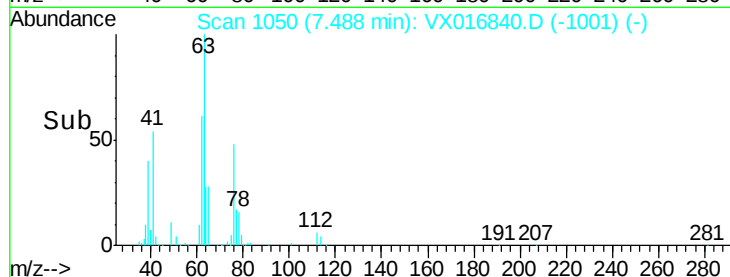
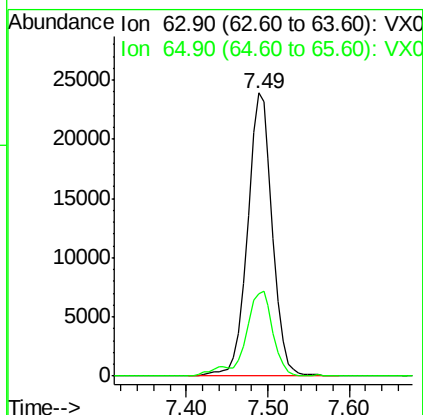
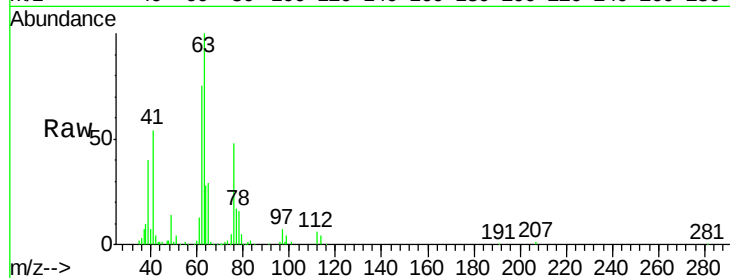
VSTDIC020

Tgt Ion: 63 Resp: 50649

Ion Ratio Lower Upper

63 100

65 29.3 25.8 38.8



#46

Dibromomethane

Concen: 19.281 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

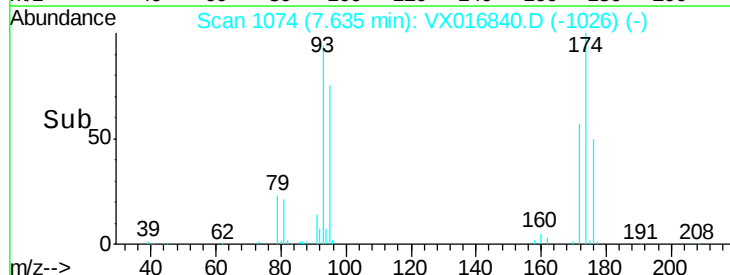
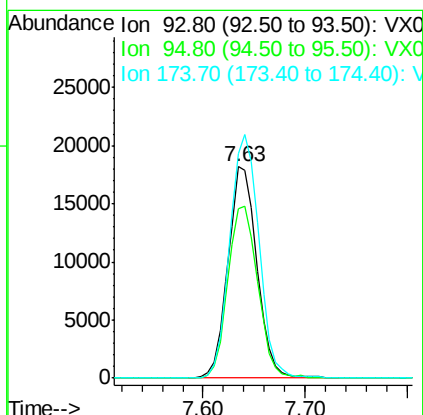
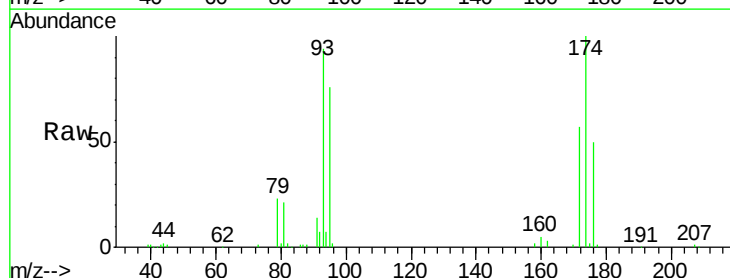
Tgt Ion: 93 Resp: 35473

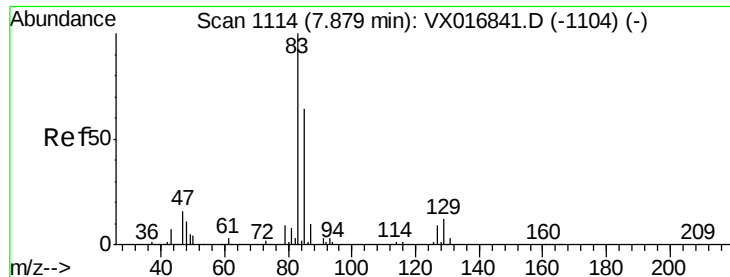
Ion Ratio Lower Upper

93 100

95 84.4 65.7 98.5

174 116.7 92.8 139.2





#47

Bromodichloromethane

Concen: 21.938 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

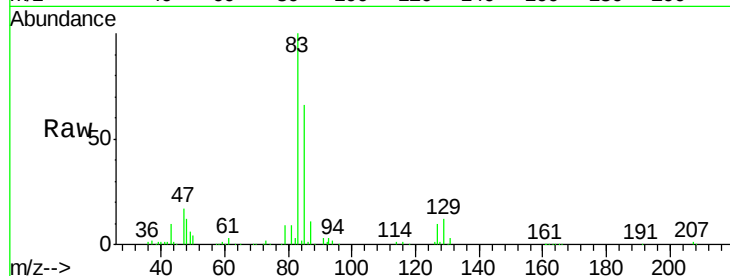
Tgt Ion: 83 Resp: 84079

Ion Ratio Lower Upper

83 100

85 66.2 50.9 76.3

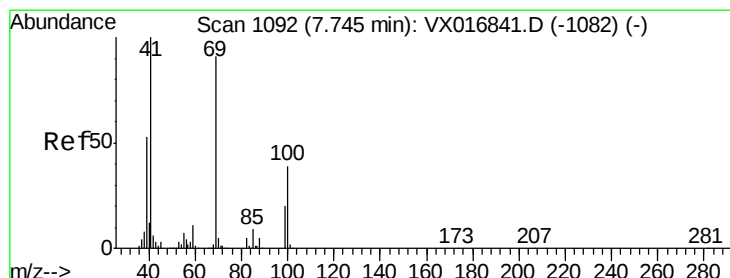
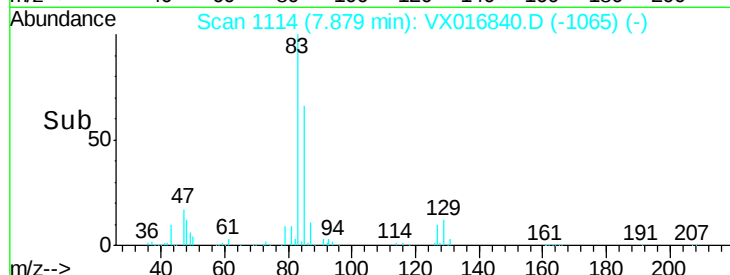
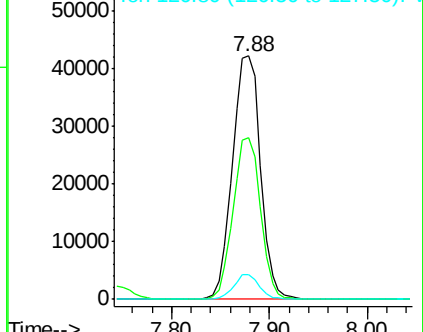
127 10.1 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.243 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

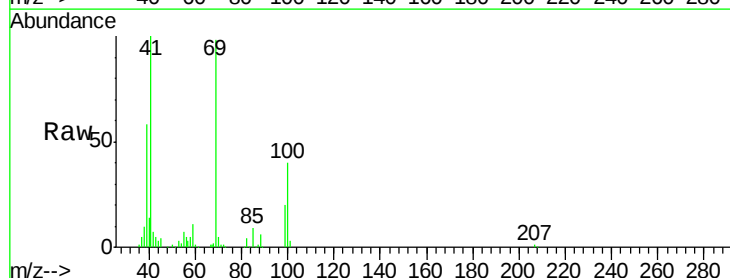
Tgt Ion: 41 Resp: 49735

Ion Ratio Lower Upper

41 100

69 93.9 73.3 109.9

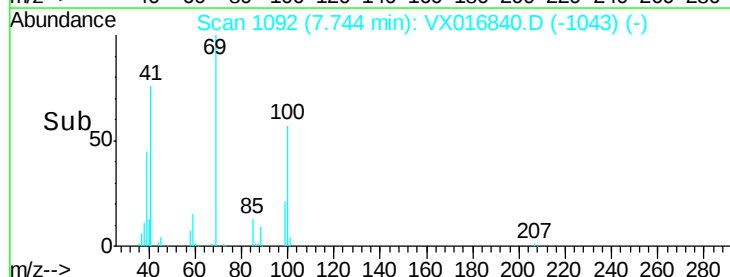
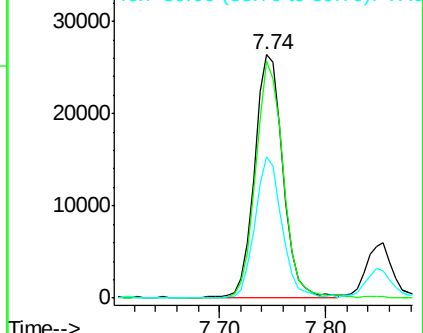
39 55.4 42.4 63.6

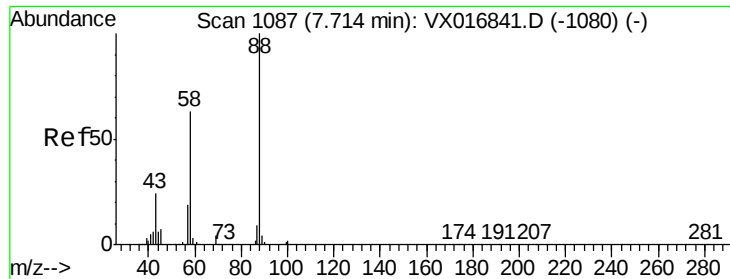


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 329.971 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

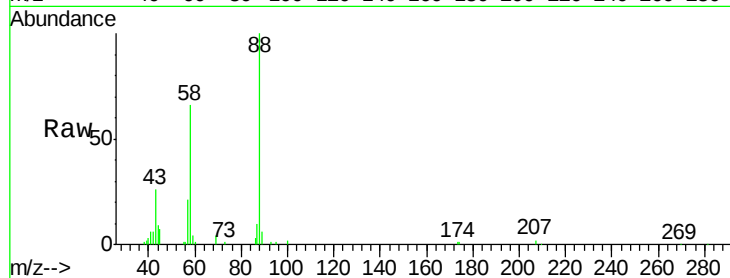
Tgt Ion: 88 Resp: 22054

Ion Ratio Lower Upper

88 100

43 31.6 22.7 34.1

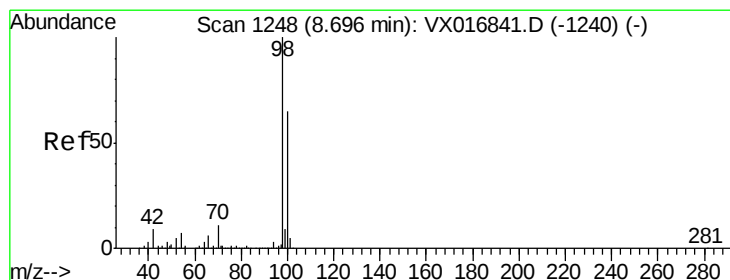
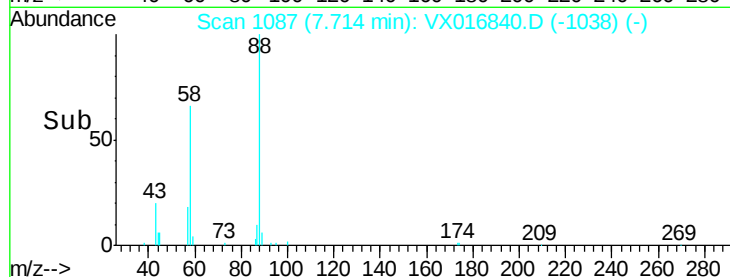
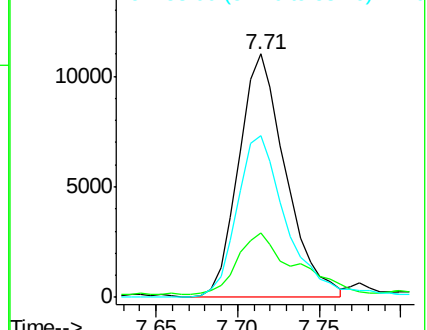
58 71.3 53.1 79.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 20.760 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016840.D

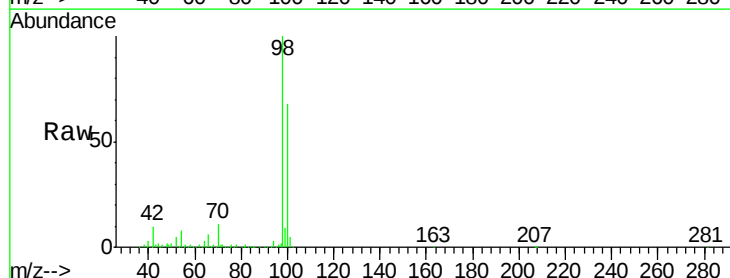
Acq: 18 Jun 2020 11:24

Tgt Ion: 98 Resp: 183959

Ion Ratio Lower Upper

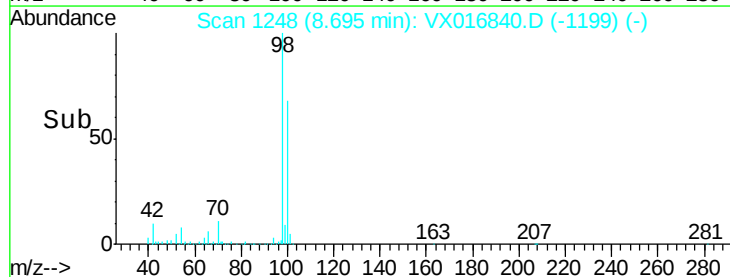
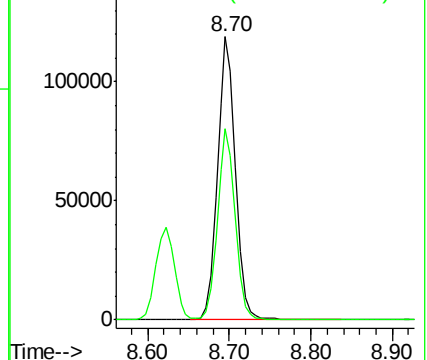
98 100

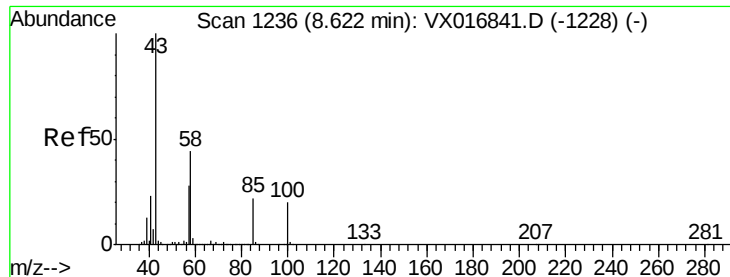
100 66.7 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

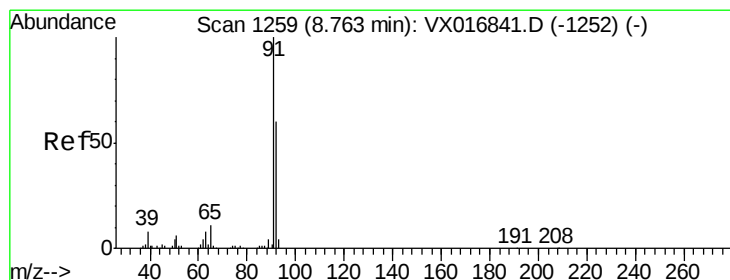
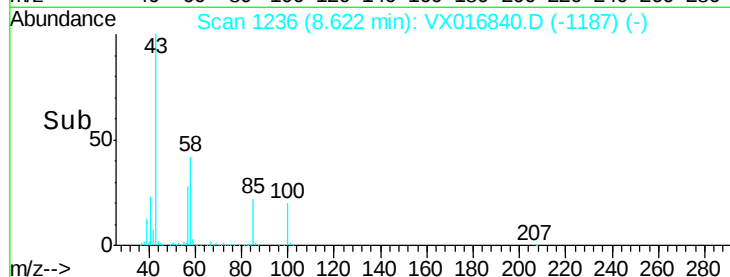
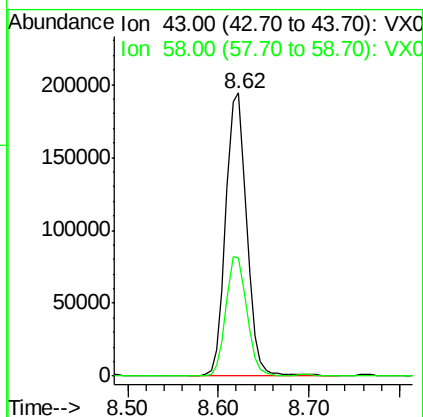
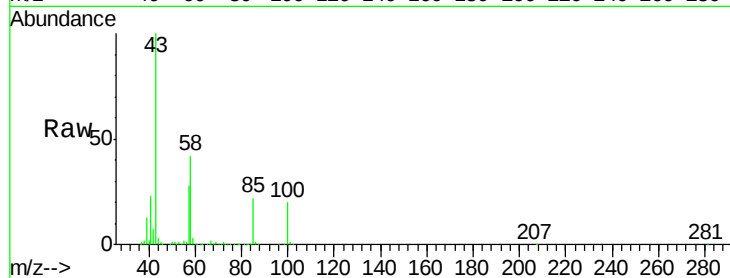




#51
4-Methyl-2-Pentanone
Concen: 88.630 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

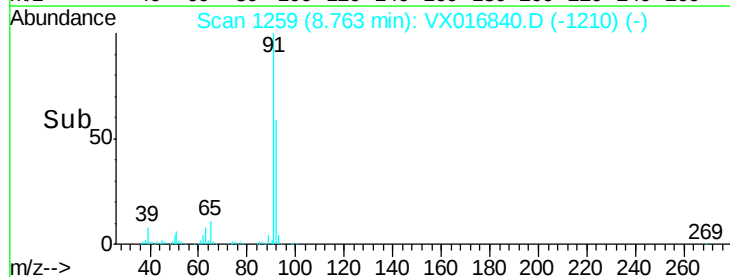
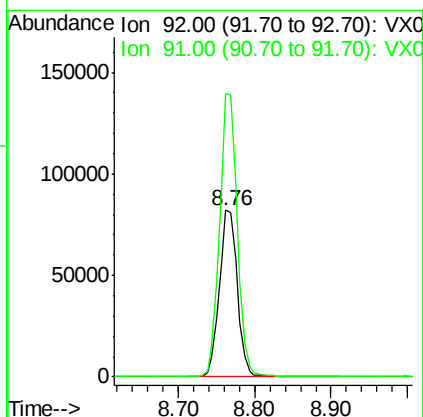
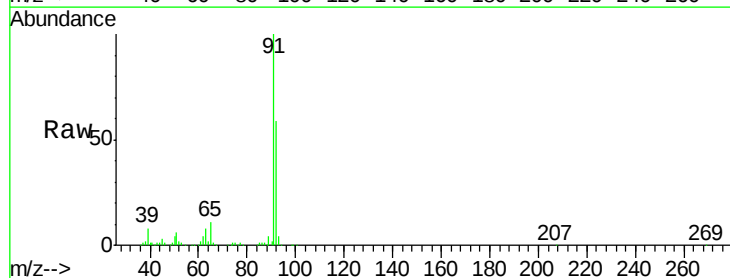
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

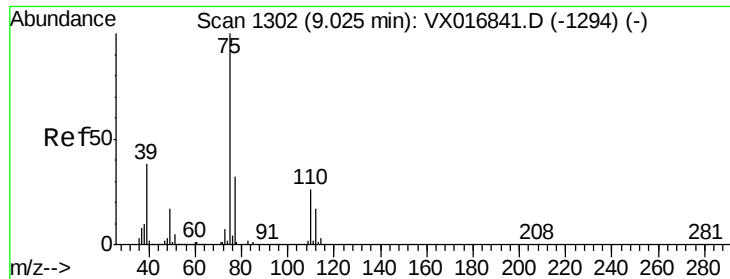
Tgt Ion: 43 Resp: 313088
Ion Ratio Lower Upper
43 100
58 42.4 34.3 51.5



#52
Toluene
Concen: 19.879 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

Tgt Ion: 92 Resp: 133370
Ion Ratio Lower Upper
92 100
91 167.7 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 19.066 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

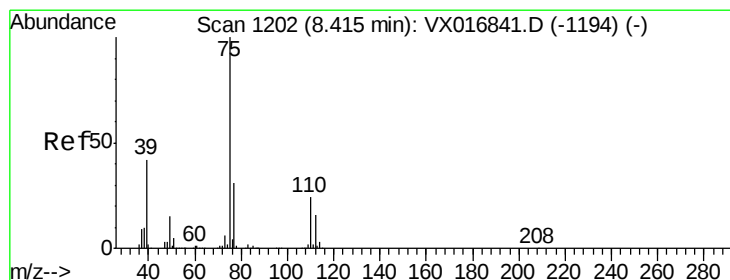
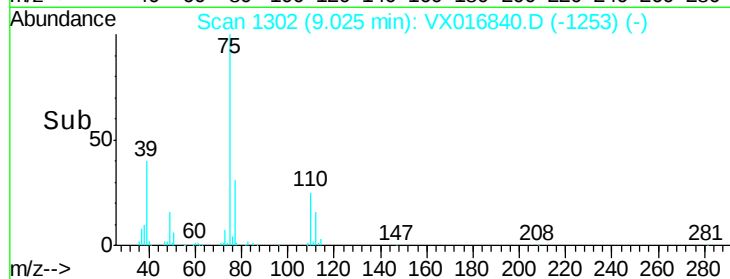
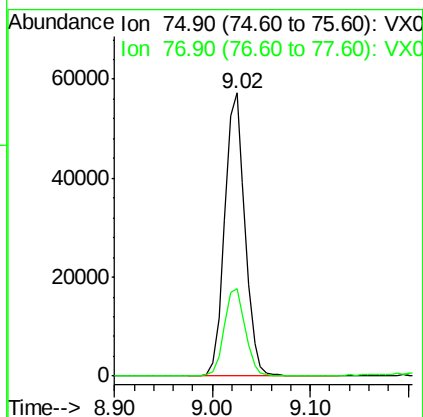
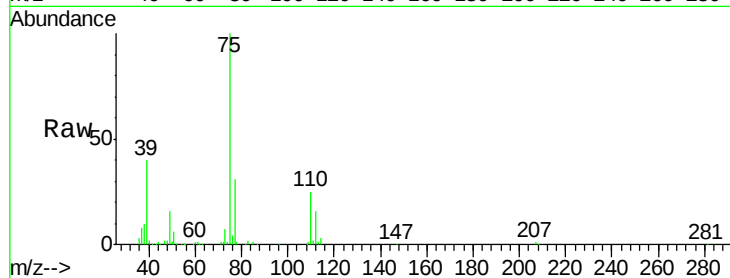
VSTDIC020

Tgt Ion: 75 Resp: 82321

Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 20.085 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

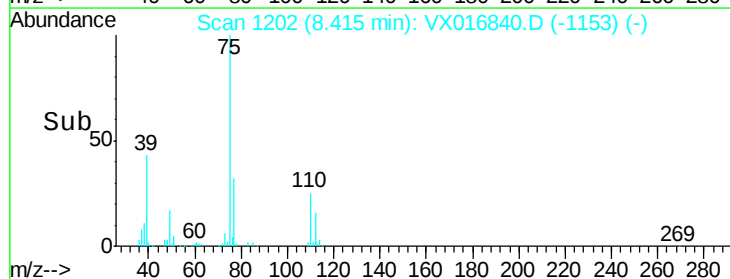
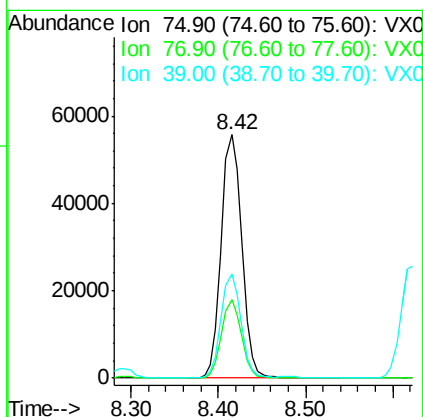
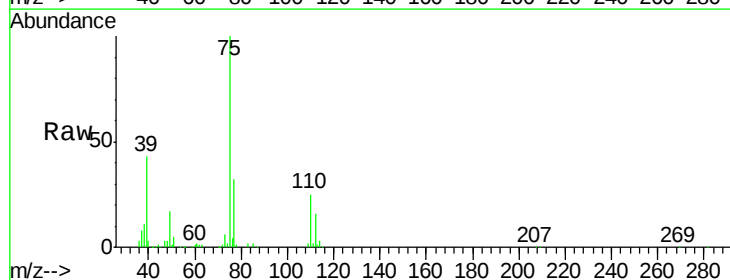
Tgt Ion: 75 Resp: 90795

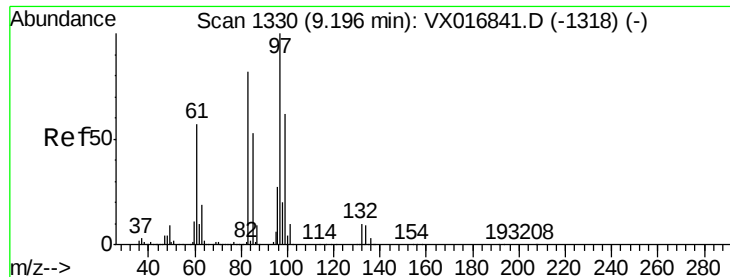
Ion Ratio Lower Upper

75 100

77 32.1 24.9 37.3

39 42.6 33.4 50.0

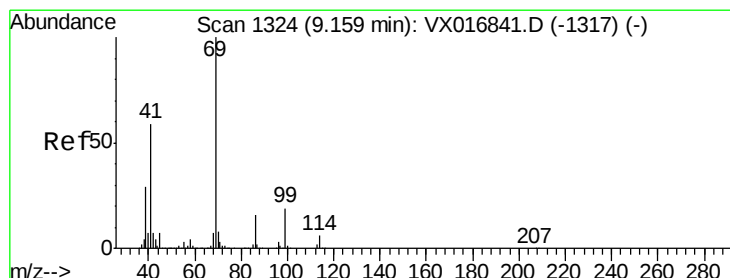
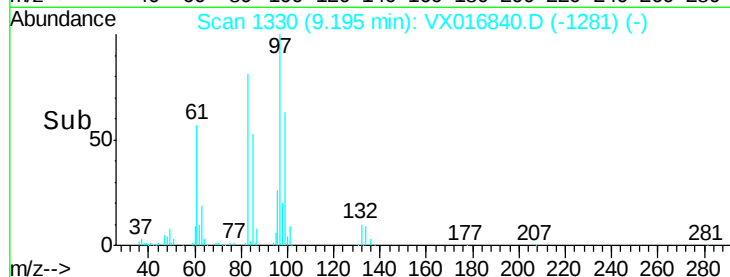
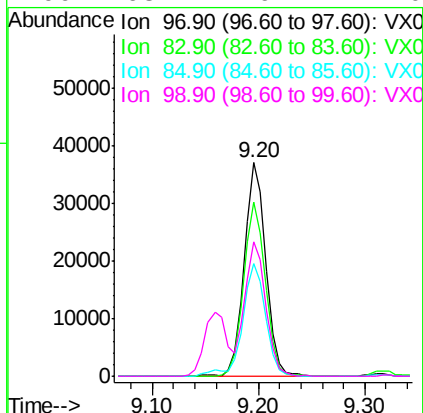
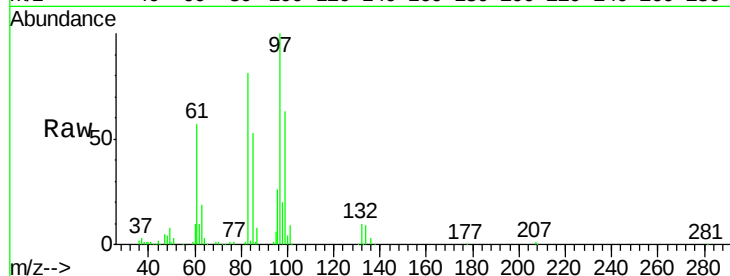




#55
 1,1,2-Trichloroethane
 Concen: 19.431 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016840.D
 Acq: 18 Jun 2020 11:24

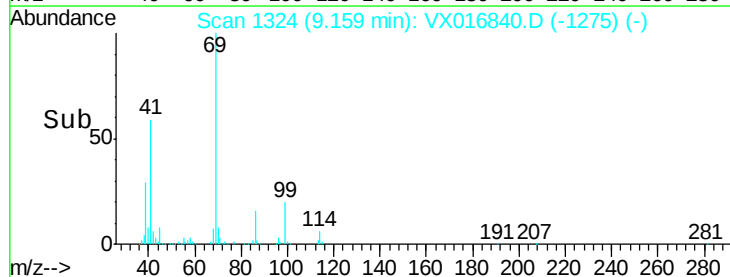
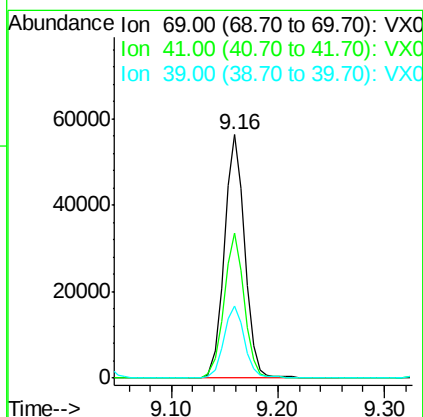
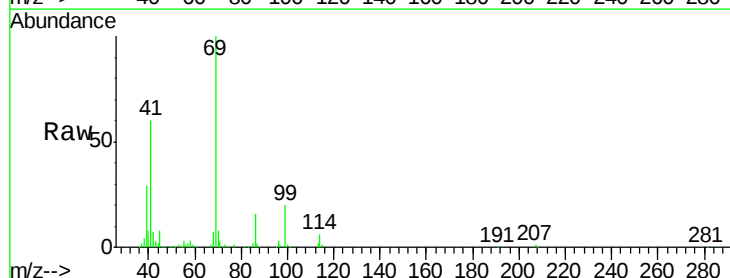
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

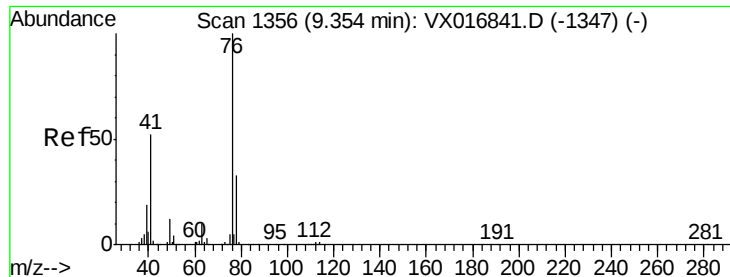
Tgt Ion:	97	Resp:	52918
Ion	Ratio	Lower	Upper
97	100		
83	81.2	65.5	98.3
85	52.8	42.6	63.8
99	63.2	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 18.445 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016840.D
 Acq: 18 Jun 2020 11:24

Tgt Ion:	69	Resp:	75401
Ion	Ratio	Lower	Upper
69	100		
41	59.7	47.9	71.9
39	30.4	24.2	36.4





#57

1,3-Dichloropropane

Concen: 18.991 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

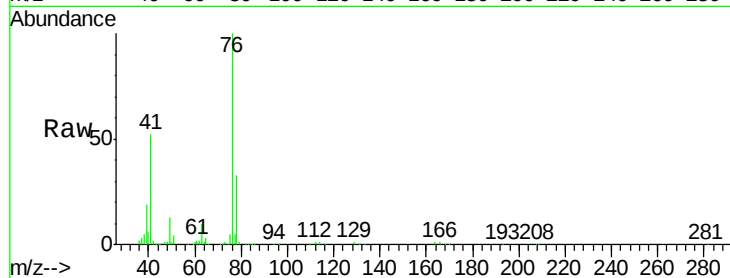
VSTDIC020

Tgt Ion: 76 Resp: 87181

Ion Ratio Lower Upper

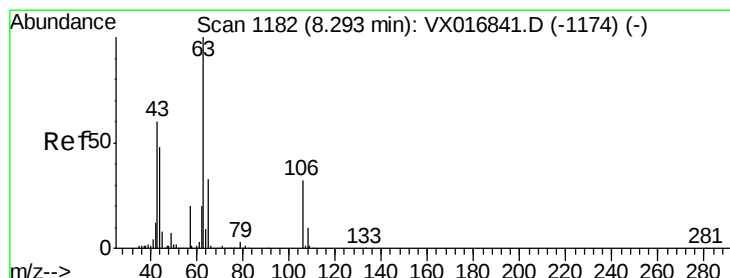
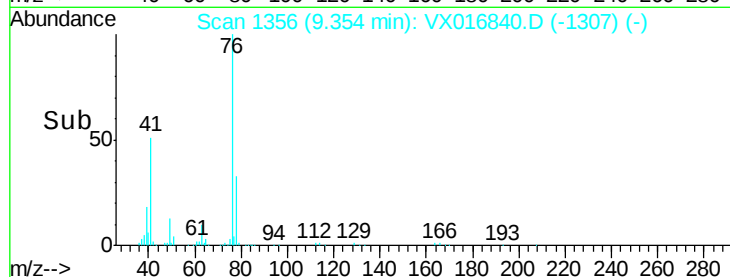
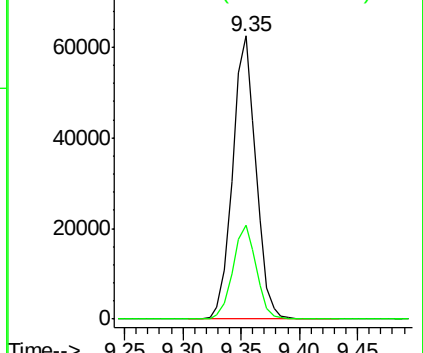
76 100

78 33.6 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 100.451 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016840.D

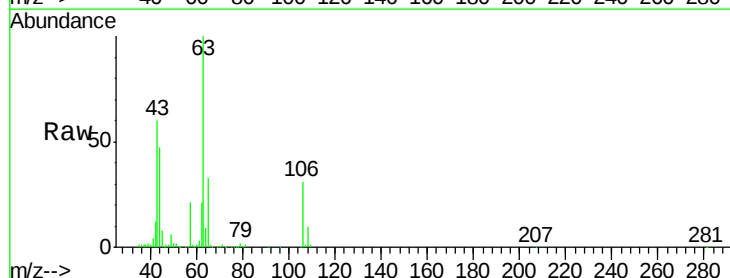
Acq: 18 Jun 2020 11:24

Tgt Ion: 63 Resp: 197397

Ion Ratio Lower Upper

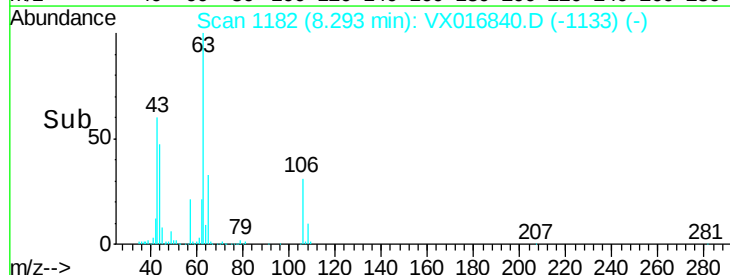
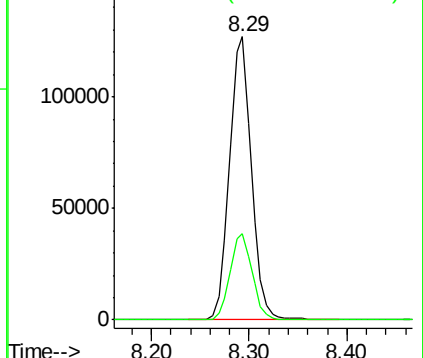
63 100

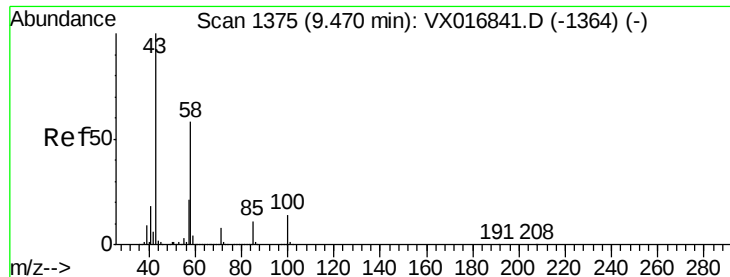
106 30.8 25.8 38.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

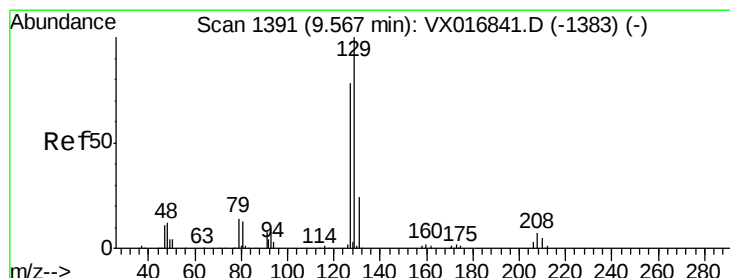
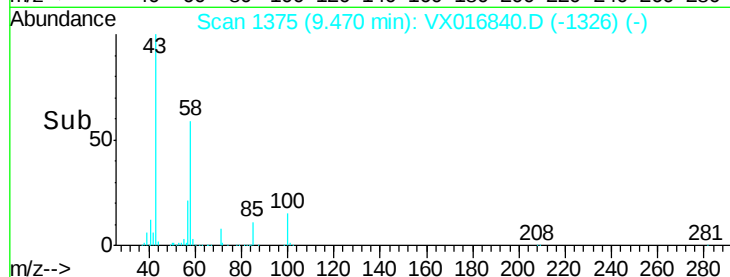
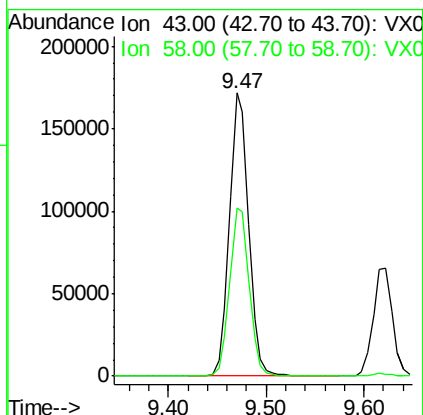
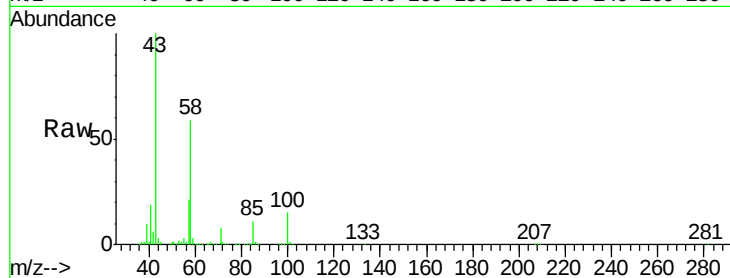




#59
2-Hexanone
Concen: 86.091 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

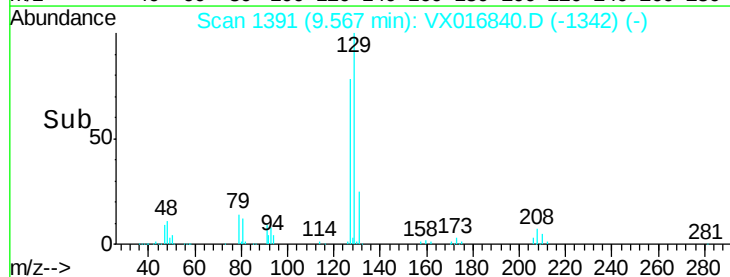
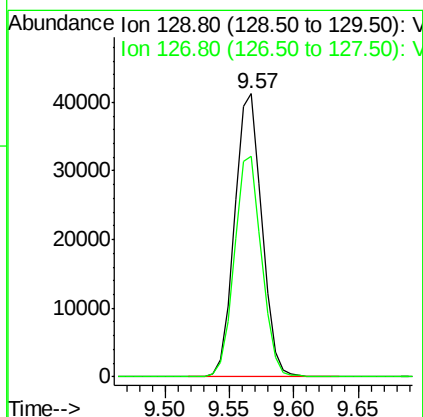
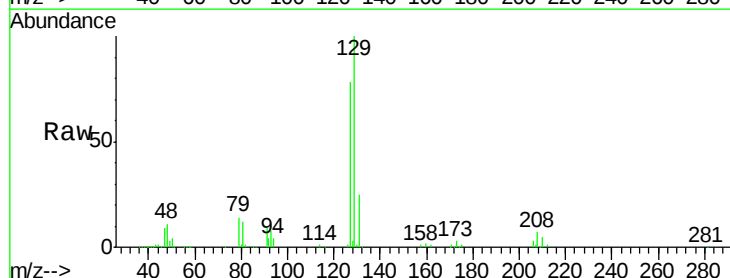
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

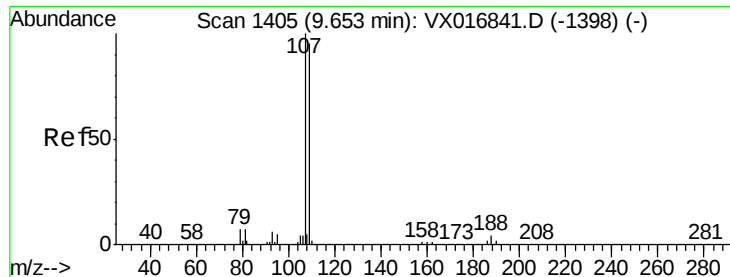
Tgt Ion: 43 Resp: 233402
Ion Ratio Lower Upper
43 100
58 60.9 29.8 89.4



#60
Dibromochloromethane
Concen: 18.812 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

Tgt Ion: 129 Resp: 60624
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.263 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

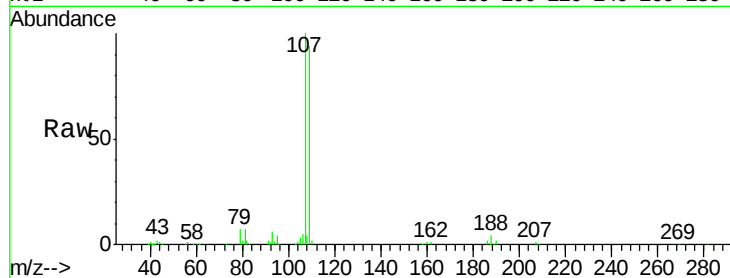
VSTDIC020

Tgt Ion: 107 Resp: 56550

Ion Ratio Lower Upper

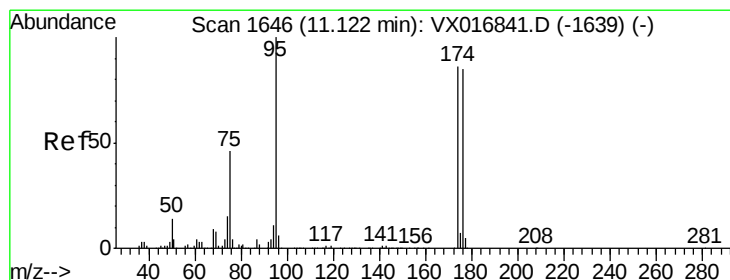
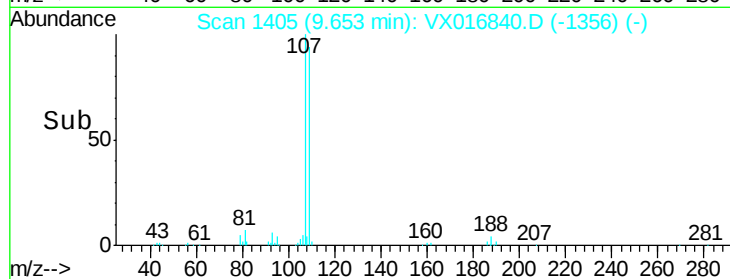
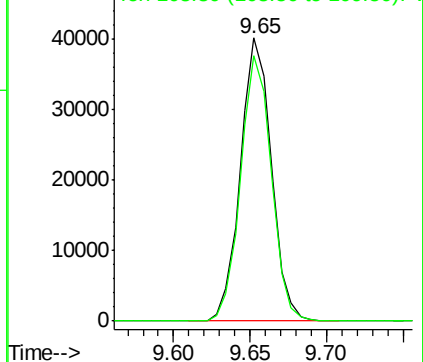
107 100

109 93.1 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 25.068 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016840.D

Acq: 18 Jun 2020 11:24

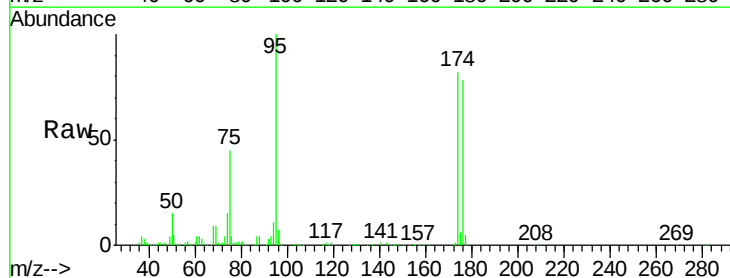
Tgt Ion: 95 Resp: 84607

Ion Ratio Lower Upper

95 100

174 84.4 0.0 174.2

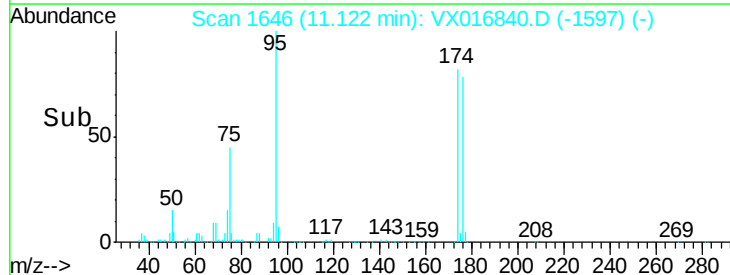
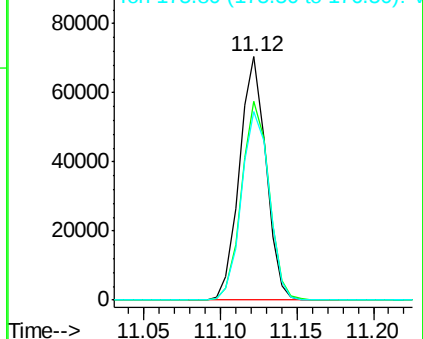
176 81.5 0.0 170.0

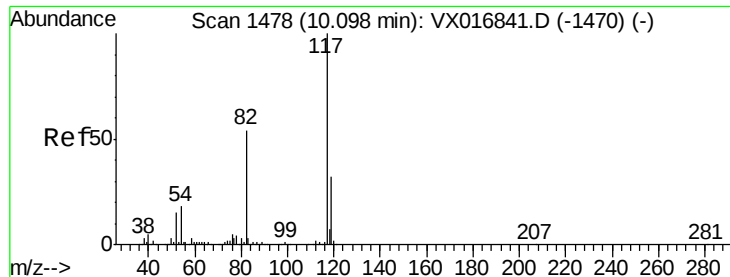


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

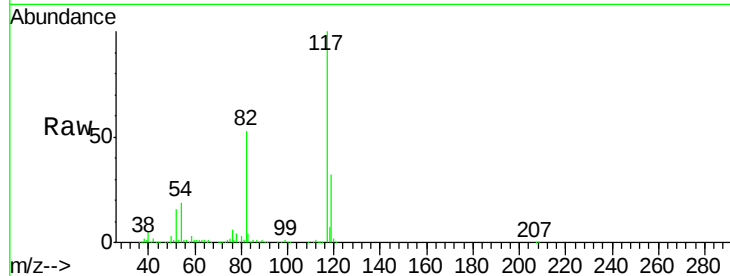




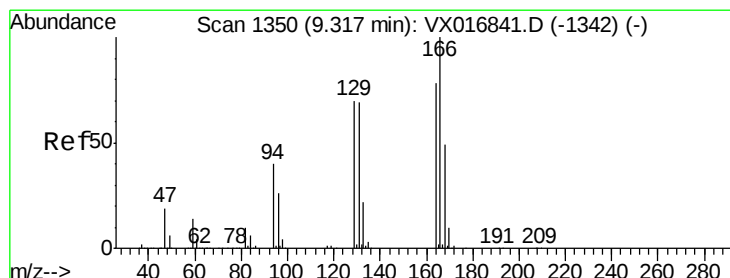
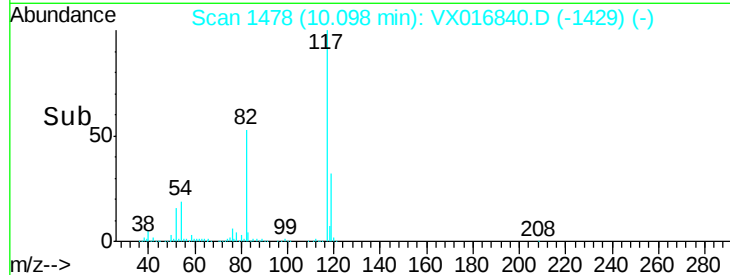
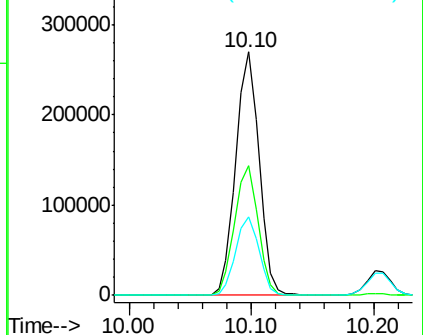
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 355775
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 32.3 25.7 38.5



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



#64
Tetrachloroethene
Concen: 19.709 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016840.D
Acq: 18 Jun 2020 11:24

Tgt Ion:164 Resp: 66525
Ion Ratio Lower Upper
164 100
166 136.0 102.6 153.8
129 94.6 72.2 108.2
131 90.0 70.8 106.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

