

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010481.D
 Acq On : 27 Jun 2019 12:12
 Operator : JC/SP
 Sample : VX0627WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:45:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	251493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	373664	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168975	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	117440	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	5.50	113	114473	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	8.71	98	436712	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.13	95	152834	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	30959	17.707	ug/l	98
3) Chloromethane	1.33	50	35902	17.634	ug/l	100
4) Vinyl Chloride	1.41	62	39611	17.763	ug/l	97
5) Bromomethane	1.64	94	23227	21.380	ug/l	98
6) Chloroethane	1.72	64	25146	19.113	ug/l	98
7) Trichlorofluoromethane	1.93	101	68679	19.428	ug/l	95
8) Diethyl Ether	2.19	74	25175	19.858	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40656	18.978	ug/l	99
10) Methyl Iodide	2.51	142	54895	17.955	ug/l	98
11) Tert butyl alcohol	3.05	59	59216	95.972	ug/l	100
12) 1,1-Dichloroethene	2.37	96	40348	18.509	ug/l	98
13) Acrolein	2.29	56	32140	78.522	ug/l	100
14) Allyl chloride	2.73	41	57284	18.510	ug/l	98
15) Acrylonitrile	3.14	53	120471	98.616	ug/l	99
16) Acetone	2.45	43	111751	94.564	ug/l	99
17) Carbon Disulfide	2.57	76	93578	16.001	ug/l	100
18) Methyl Acetate	2.78	43	46447	19.720	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	132351	19.300	ug/l	99
20) Methylene Chloride	2.86	84	46454	19.101	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	43256	18.450	ug/l	96
22) Diisopropyl ether	3.85	45	125570	19.406	ug/l	97
23) Vinyl Acetate	3.81	43	546266	97.725	ug/l	100
24) 1,1-Dichloroethane	3.70	63	72711	19.440	ug/l	99
25) 2-Butanone	4.67	43	168158	97.006	ug/l	100
26) 2,2-Dichloropropane	4.58	77	58687	18.063	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	51653	19.065	ug/l	99
28) Bromochloromethane	5.02	49	38509	21.534	ug/l	99
29) Tetrahydrofuran	5.13	42	105465	98.223	ug/l	99
30) Chloroform	5.21	83	77505	19.259	ug/l	99
31) Cyclohexane	5.59	56	63419	18.620	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	67708	19.054	ug/l	99
36) 1,1-Dichloropropene	5.80	75	54203	18.254	ug/l	100
37) Ethyl Acetate	4.83	43	60302	19.741	ug/l	97
38) Carbon Tetrachloride	5.78	117	59986	18.656	ug/l	94

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Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:45:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71645	18.356	ug/l	98
40) Benzene	6.14	78	175960	19.021	ug/l	100
41) Methacrylonitrile	5.04	41	32268	19.252	ug/l	98
42) 1,2-Dichloroethane	6.19	62	56964	20.229	ug/l	100
43) Isopropyl Acetate	6.45	43	97713	19.334	ug/l	100
44) Trichloroethene	7.21	130	52515	18.971	ug/l	97
45) 1,2-Dichloropropane	7.51	63	44587	19.086	ug/l	99
46) Dibromomethane	7.66	93	33108	19.753	ug/l	98
47) Bromodichloromethane	7.90	83	58310	18.983	ug/l	99
48) Methyl methacrylate	7.77	41	44838	19.087	ug/l	97
49) 1,4-Dioxane	7.74	88	27904	412.332	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	326207	100.919	ug/l	99
52) Toluene	8.79	92	117807	19.338	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	61192	17.769	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	68806	18.386	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	50277	20.011	ug/l	99
56) Ethyl methacrylate	9.18	69	73309	19.261	ug/l	99
57) 1,3-Dichloropropane	9.37	76	76641	19.651	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	170049	94.074	ug/l	99
59) 2-Hexanone	9.49	43	252733	99.346	ug/l	99
60) Dibromochloromethane	9.58	129	51490	18.303	ug/l	98
61) 1,2-Dibromoethane	9.67	107	52564	19.382	ug/l	99
64) Tetrachloroethene	9.34	164	54530	19.961	ug/l	93
65) Chlorobenzene	10.13	112	131744	19.213	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	47428	18.989	ug/l	99
67) Ethyl Benzene	10.25	91	223504	19.307	ug/l	100
68) m/p-Xylenes	10.36	106	171091	38.143	ug/l	100
69) o-Xylene	10.69	106	85060	19.283	ug/l	98
70) Styrene	10.71	104	143131	19.349	ug/l	99
71) Bromoform	10.85	173	39522	18.196	ug/l #	99
73) Isopropylbenzene	11.02	105	228008	19.906	ug/l	99
74) N-amyl acetate	10.90	43	86446	19.970	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	77212	20.354	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	81668	26.523	ug/l	82
77) Bromobenzene	11.26	156	61901	19.354	ug/l	98
78) n-propylbenzene	11.36	91	245185	19.476	ug/l	100
79) 2-Chlorotoluene	11.42	91	145233	19.374	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	185387	19.633	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22346	16.930	ug/l	94
82) 4-Chlorotoluene	11.51	91	167043	19.583	ug/l	98
83) tert-Butylbenzene	11.77	119	186250	19.652	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	187955	19.812	ug/l	99
85) sec-Butylbenzene	11.94	105	218278	19.615	ug/l	100
86) p-Isopropyltoluene	12.06	119	201397	19.566	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	107891	19.325	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	107547	18.922	ug/l	97
89) n-Butylbenzene	12.38	91	166199	19.002	ug/l	99
90) Hexachloroethane	12.60	117	30908	17.366	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	111388	20.074	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15294	18.700	ug/l	95

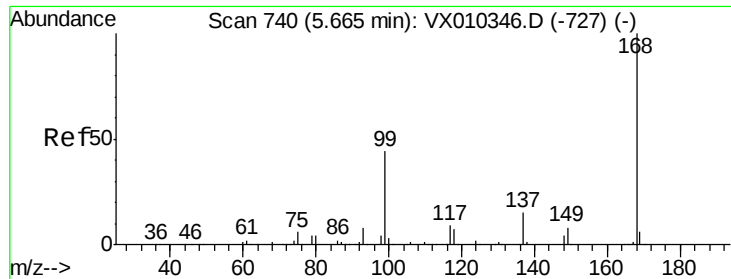
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	73073	18.990	ug/l	99
94) Hexachlorobutadiene	13.78	225	36022	19.154	ug/l	99
95) Naphthalene	13.83	128	229019	19.367	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	75327	19.689	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

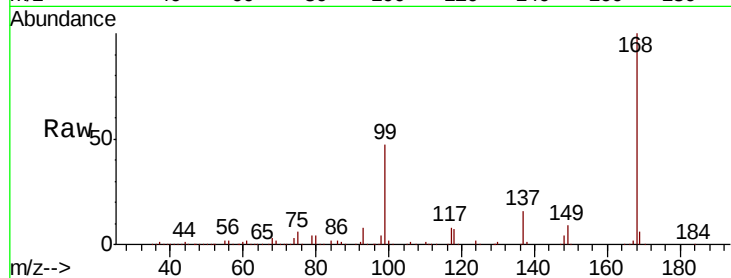
ClientSampleId :

Tot Ion:168 Resp: 251493

Ion Ratio Lower Upper

168 100

99 46.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

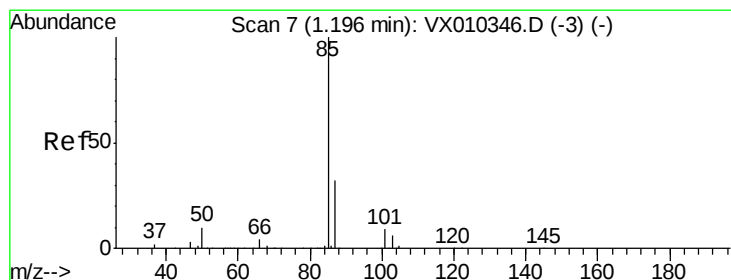
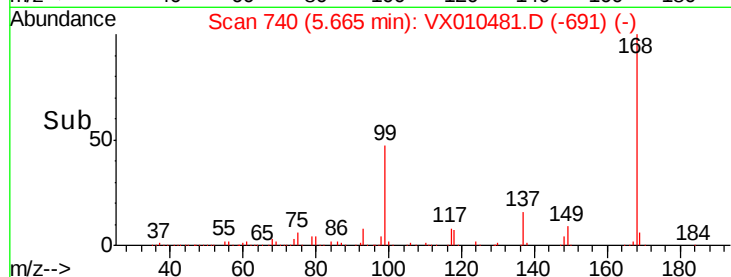
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.707 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010481.D

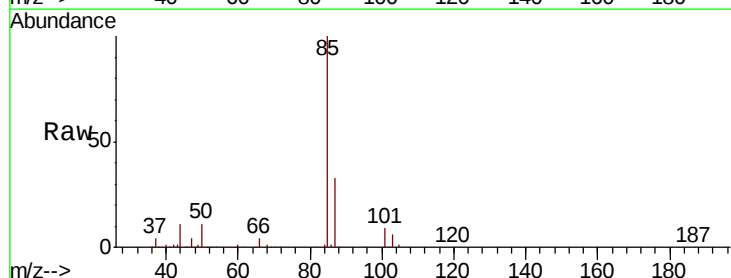
Acq: 27 Jun 2019 12:12

Tgt Ion: 85 Resp: 30959

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

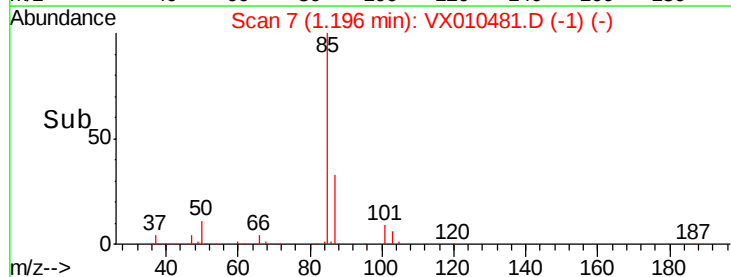
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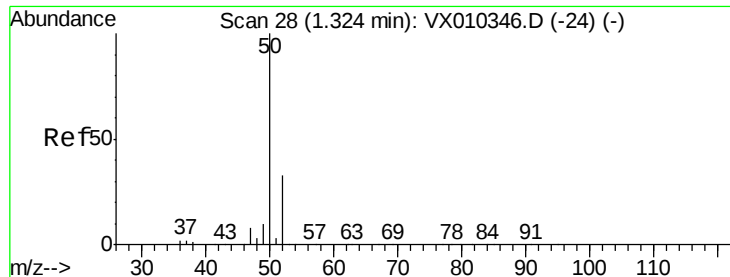
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.634 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

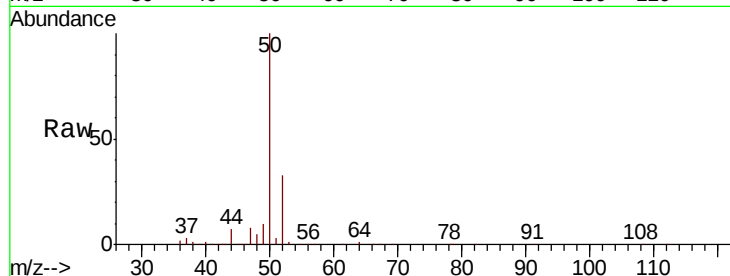
ClientSampleId :

Tot Ion: 50 Resp: 35902

Ion Ratio Lower Upper

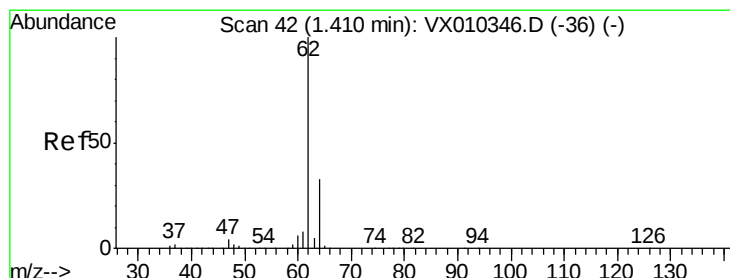
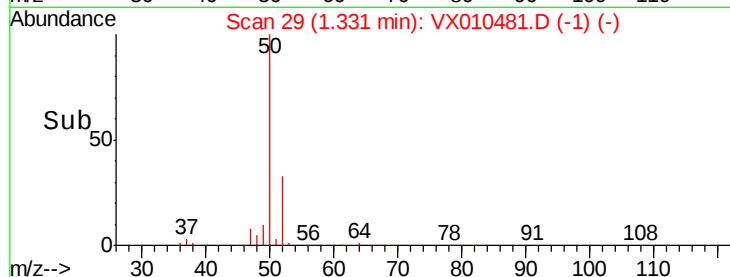
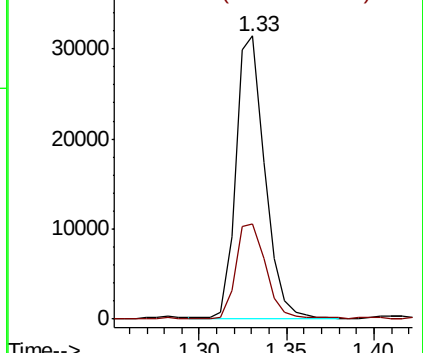
50 100

52 33.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.763 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010481.D

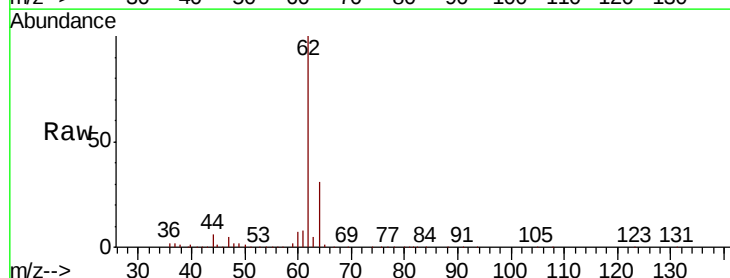
Acq: 27 Jun 2019 12:12

Tgt Ion: 62 Resp: 39611

Ion Ratio Lower Upper

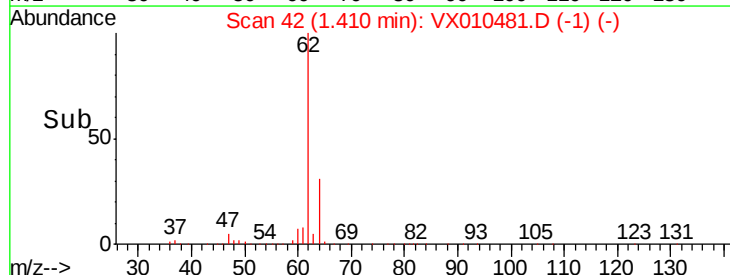
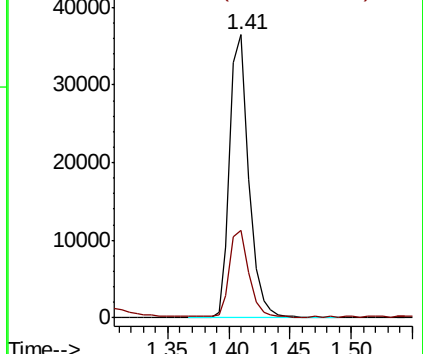
62 100

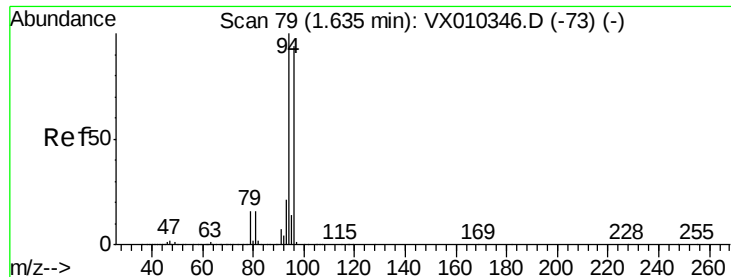
64 30.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.380 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

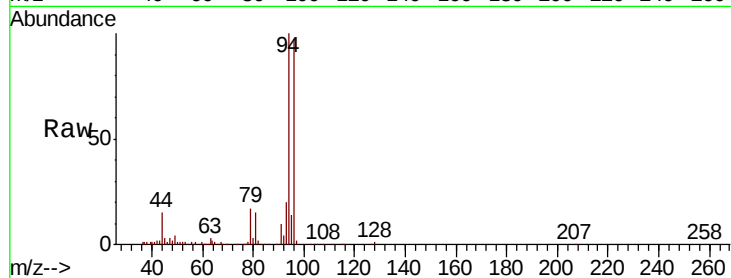
ClientSampleId :

Tot Ion: 94 Resp: 23227

Ion Ratio Lower Upper

94 100

96 96.7 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

20000

15000

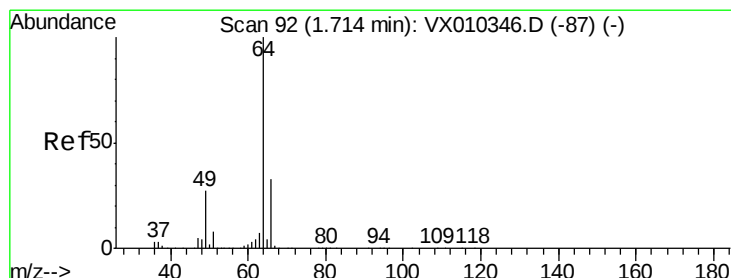
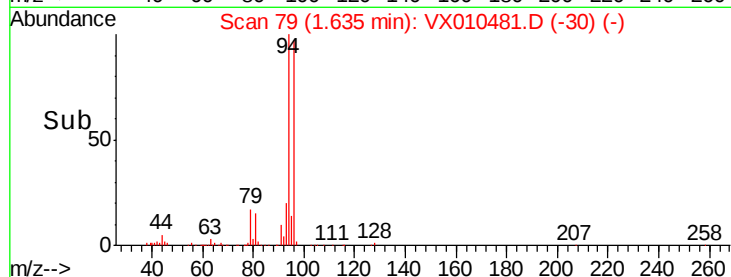
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5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 19.113 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010481.D

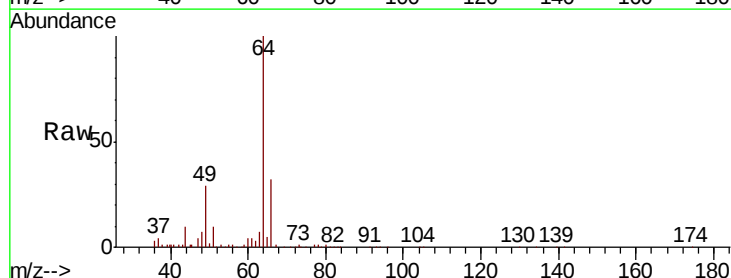
Acq: 27 Jun 2019 12:12

Tgt Ion: 64 Resp: 25146

Ion Ratio Lower Upper

64 100

66 32.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

15000

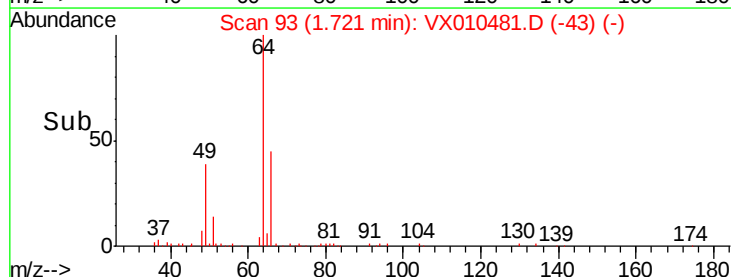
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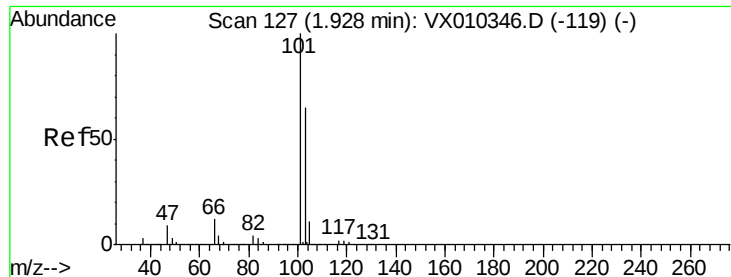
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Time-->

1.65 1.70 1.75 1.80



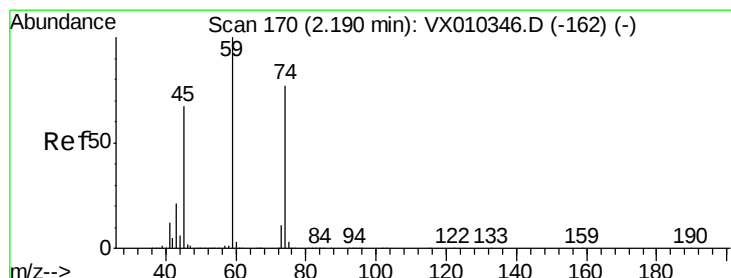
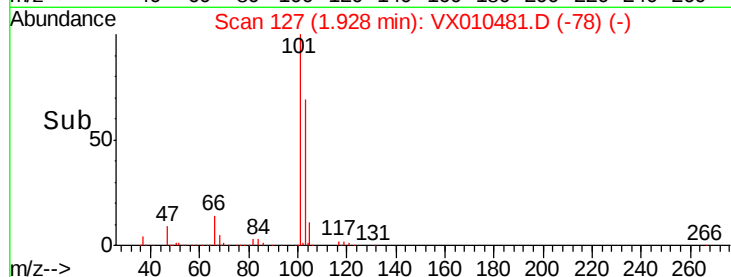
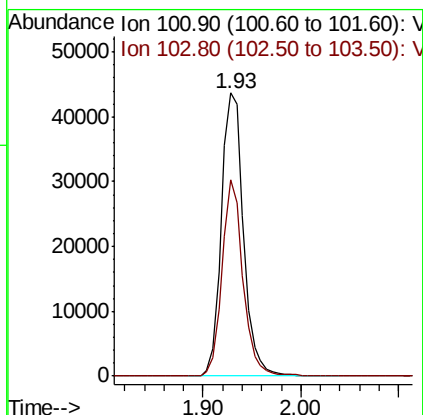
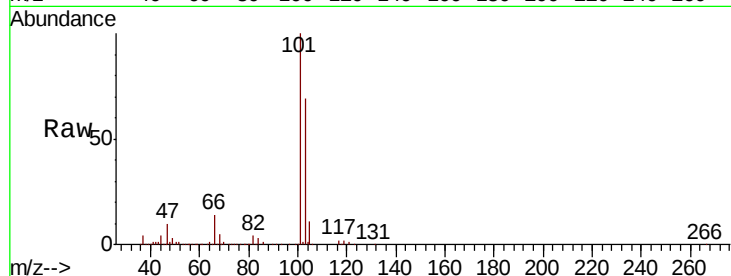


#7

Trichlorofluoromethane
Concen: 19.428 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :

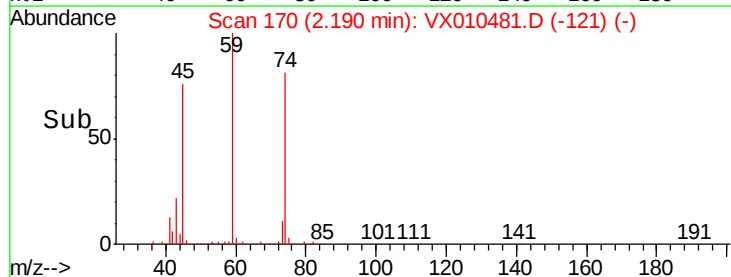
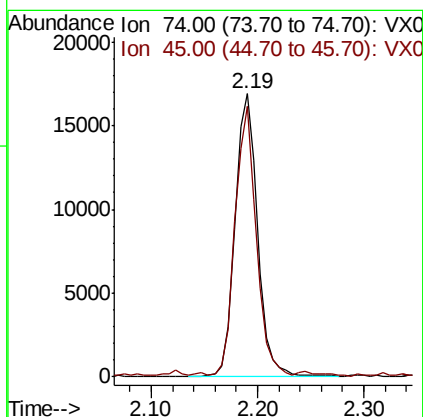
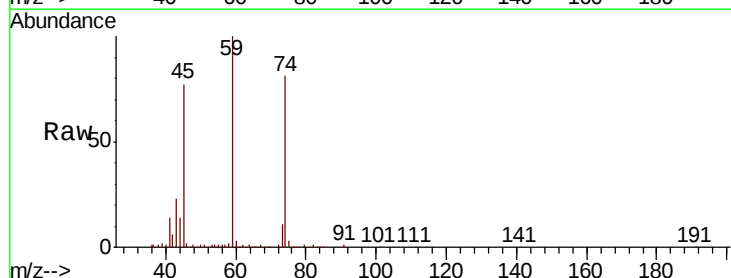
Tot Ion:101 Resp: 68679
Ion Ratio Lower Upper
101 100
103 69.3 52.3 78.5



#8

Diethyl Ether
Concen: 19.858 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion: 74 Resp: 25175
Ion Ratio Lower Upper
74 100
45 88.9 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.978 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

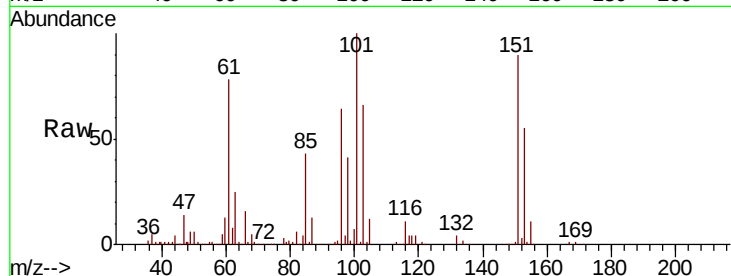
Tot Ion:101 Resp: 40656

Ion Ratio Lower Upper

101 100

85 43.2 33.7 50.5

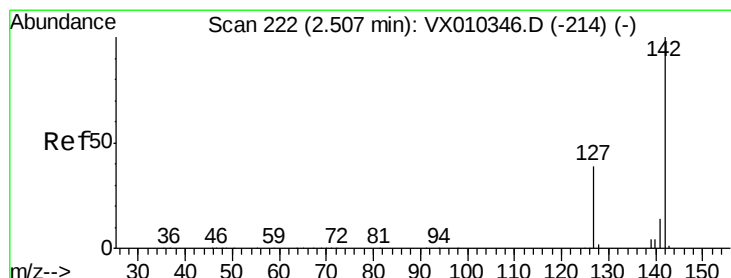
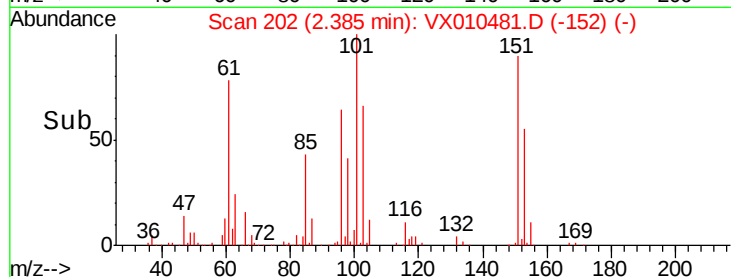
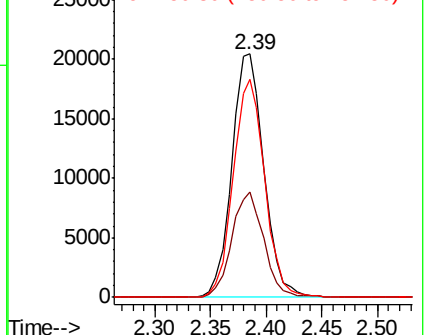
151 88.2 70.1 105.1



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: 17.955 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

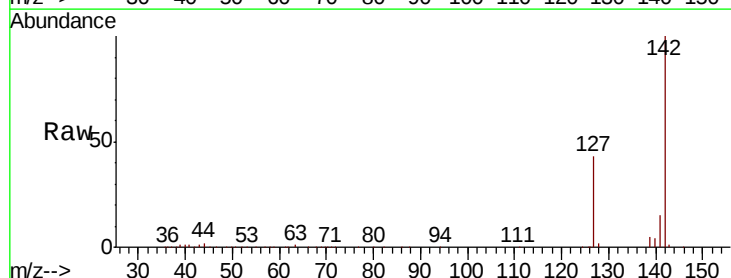
Tgt Ion:142 Resp: 54895

Ion Ratio Lower Upper

142 100

127 40.8 31.1 46.7

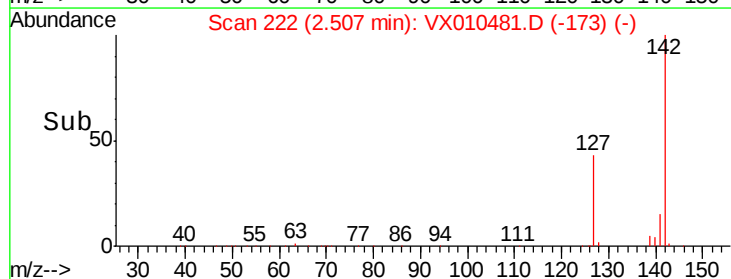
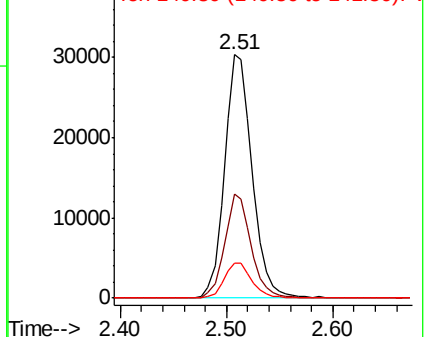
141 14.2 11.2 16.8

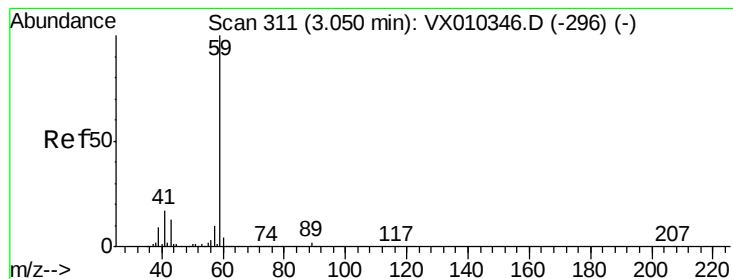


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 95.972 ug/l

RT: 3.05 min Scan# 311

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

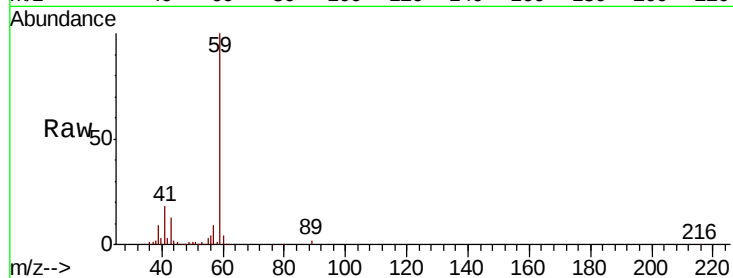
ClientSampled :

Tot Ion: 59 Resp: 59216

Ion Ratio Lower Upper

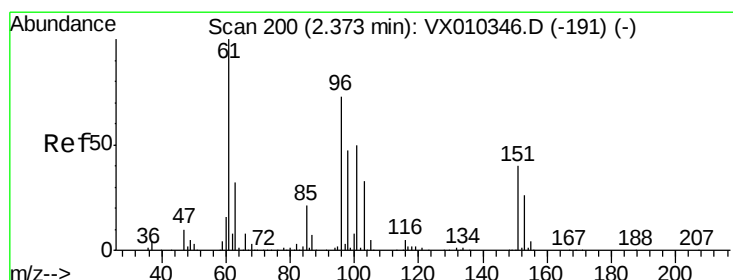
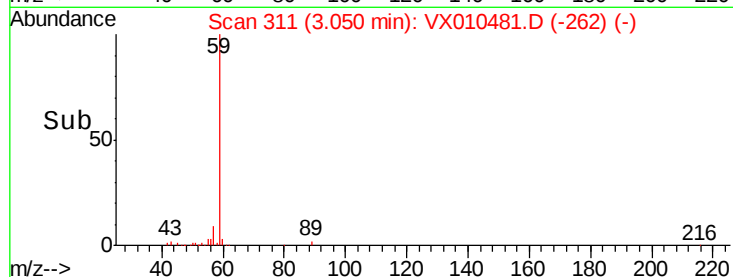
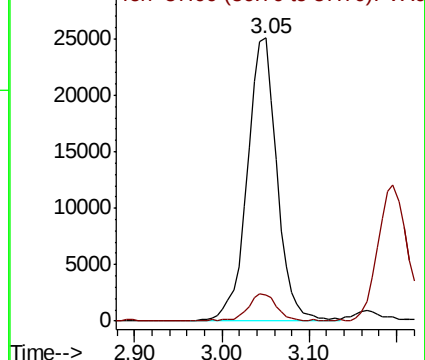
59 100

57 9.5 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#12

1,1-Dichloroethene

Concen: 18.509 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

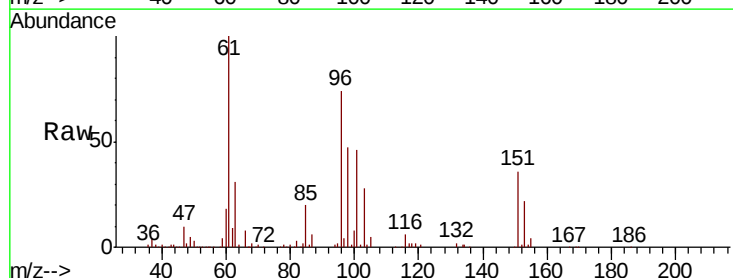
Tgt Ion: 96 Resp: 40348

Ion Ratio Lower Upper

96 100

61 134.2 109.2 163.8

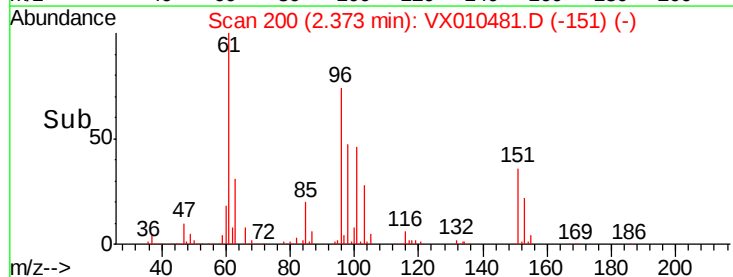
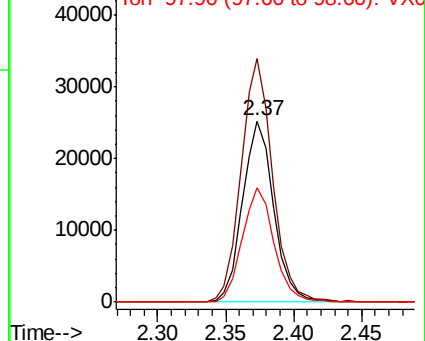
98 62.8 51.1 76.7

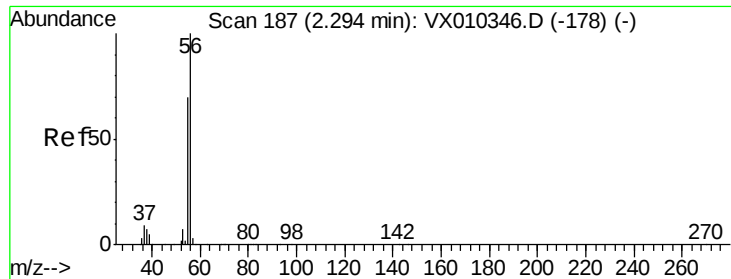


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 78.522 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

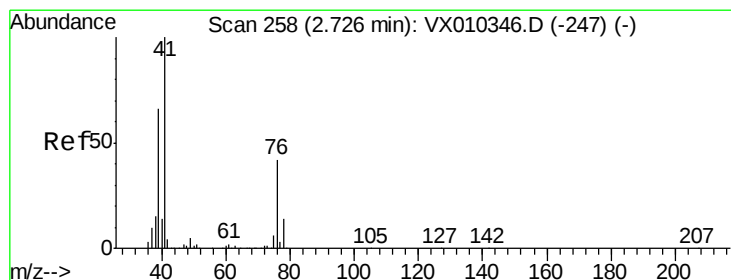
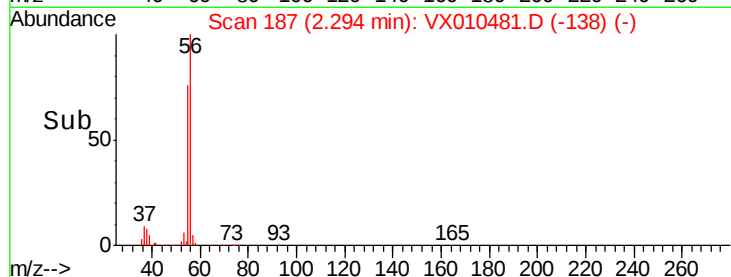
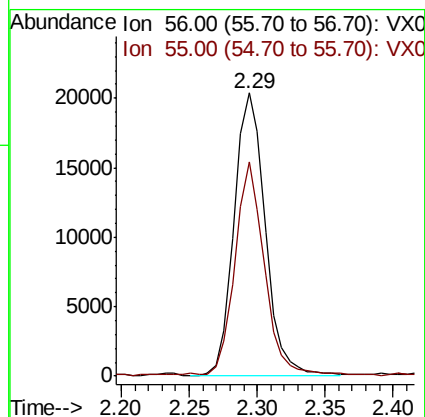
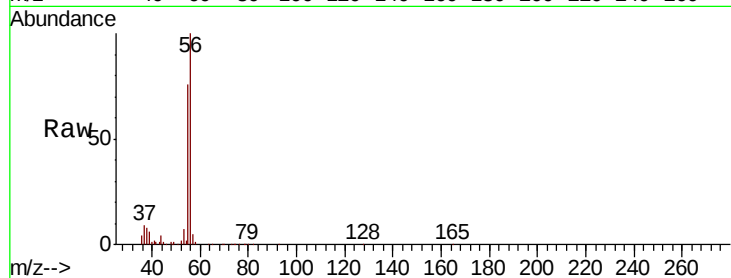
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 32140

Ion Ratio Lower Upper

56 100

55 71.2 56.9 85.3



#14

Allyl chloride

Concen: 18.510 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

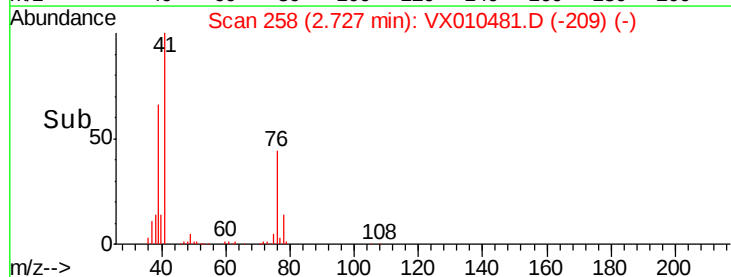
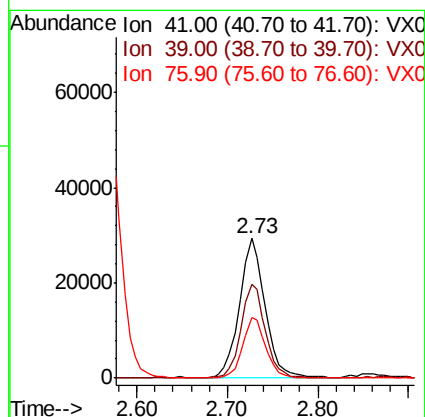
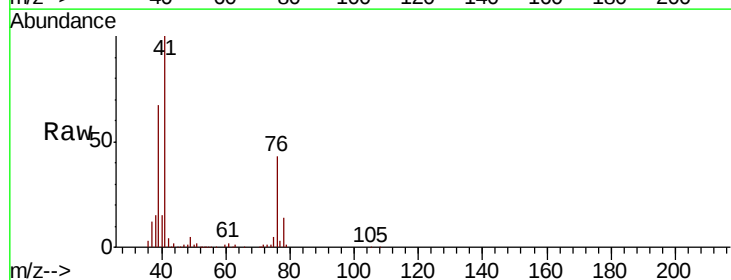
Tgt Ion: 41 Resp: 57284

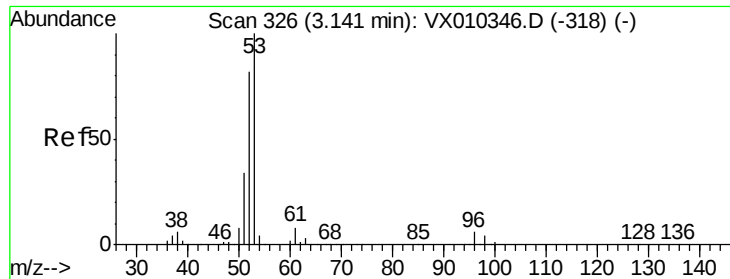
Ion Ratio Lower Upper

41 100

39 64.9 50.3 75.5

76 39.6 31.3 46.9





#15

Acrylonitrile

Concen: 98.616 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

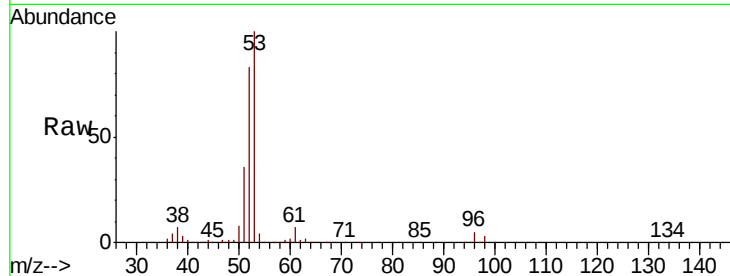
Tot Ion: 53 Resp: 120471

Ion Ratio Lower Upper

53 100

52 82.5 65.5 98.3

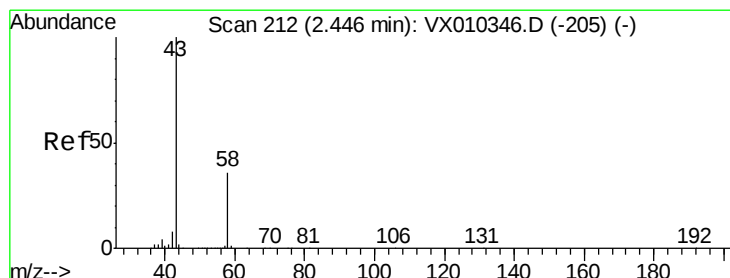
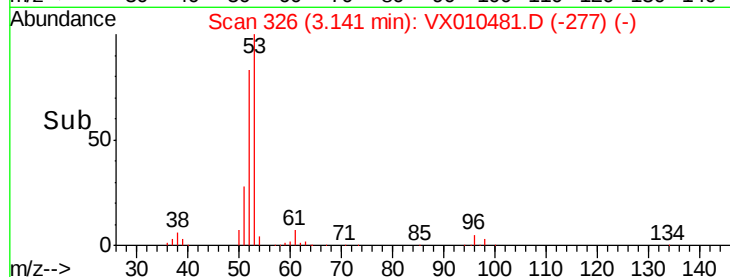
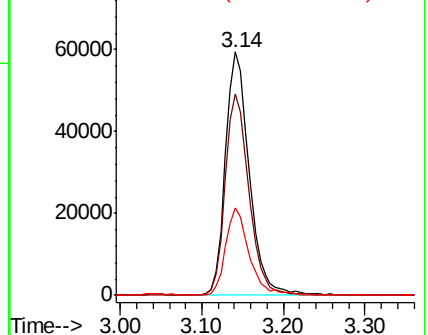
51 35.1 28.2 42.4



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: 94.564 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010481.D

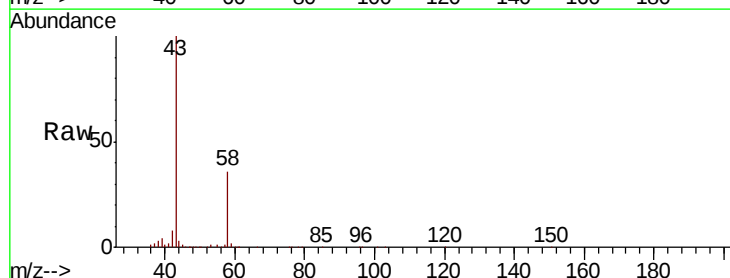
Acq: 27 Jun 2019 12:12

Tgt Ion: 43 Resp: 111751

Ion Ratio Lower Upper

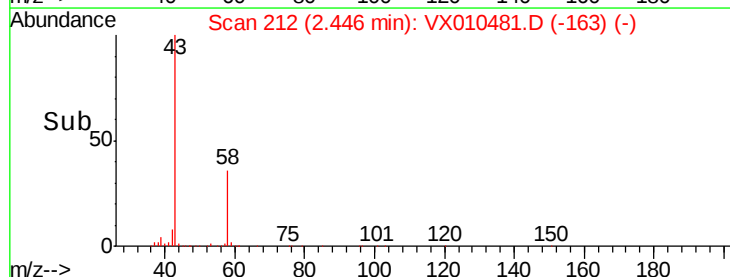
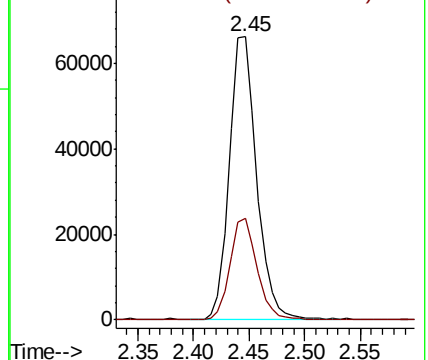
43 100

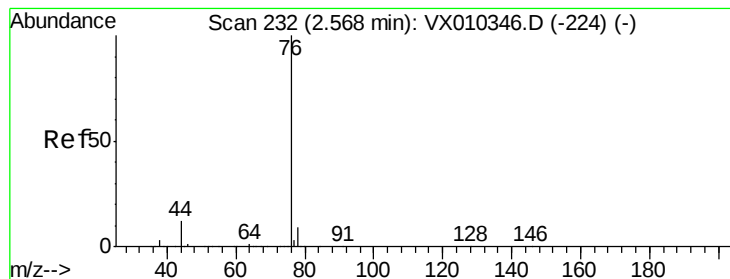
58 35.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.001 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

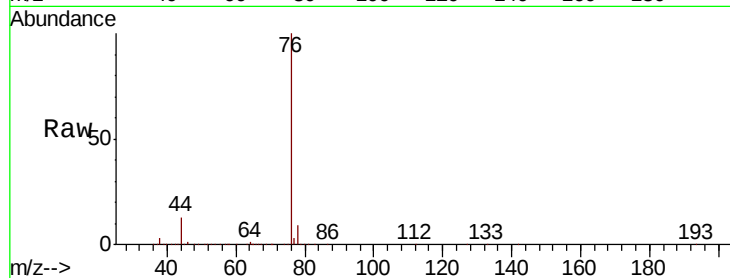
ClientSampleId :

Tot Ion: 76 Resp: 93578

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

60000

50000

40000

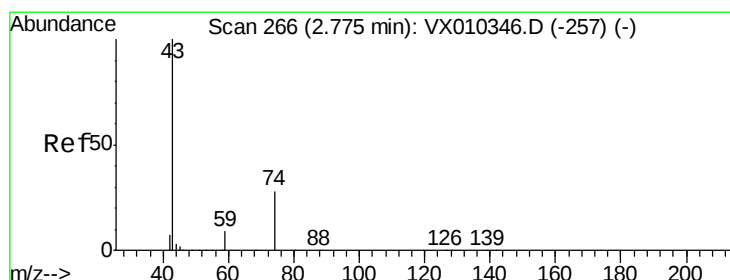
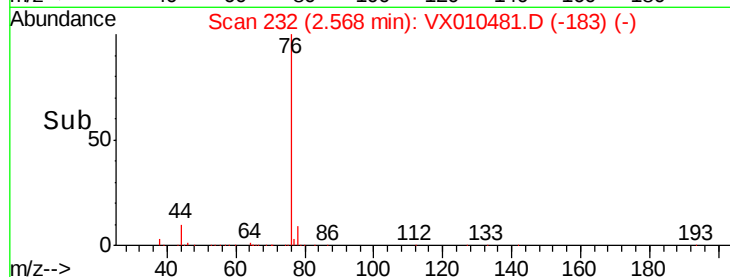
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 19.720 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010481.D

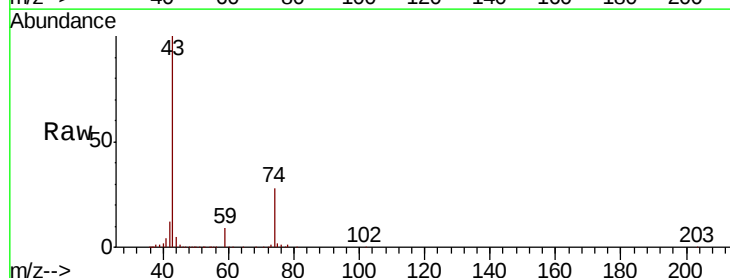
Acq: 27 Jun 2019 12:12

Tgt Ion: 43 Resp: 46447

Ion Ratio Lower Upper

43 100

74 27.6 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

30000

25000

20000

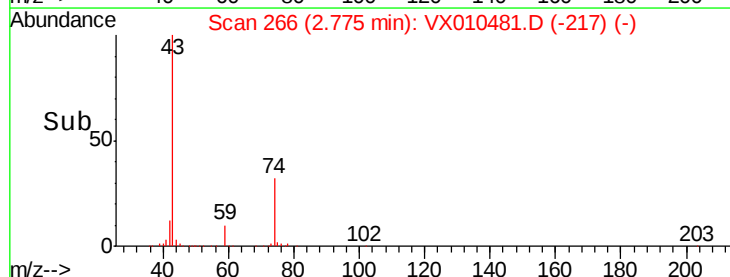
15000

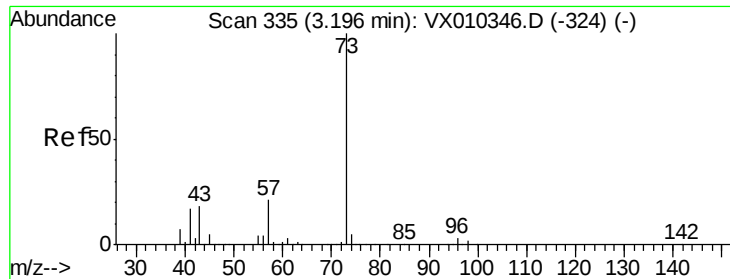
10000

5000

0

Time-->



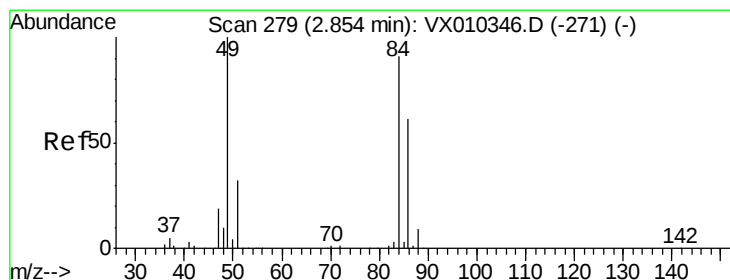
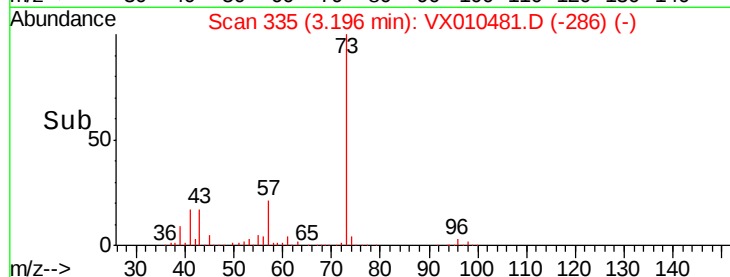
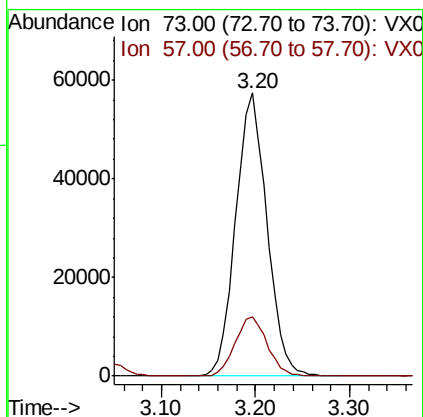
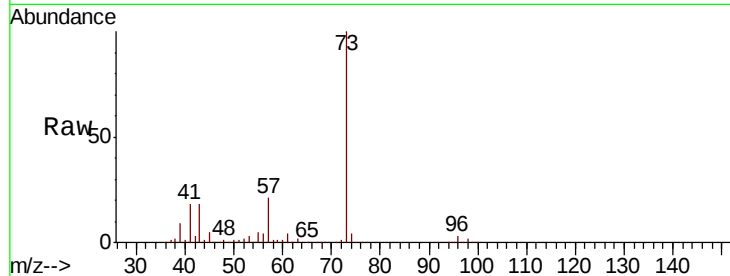


#19

Methyl tert-butyl Ether
 Concen: 19.300 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Instrument :
 MSVOA_X
 ClientSampleId :

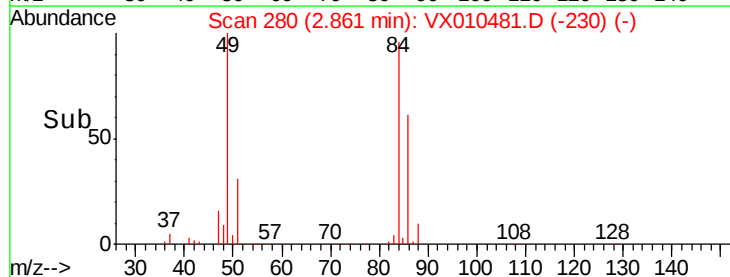
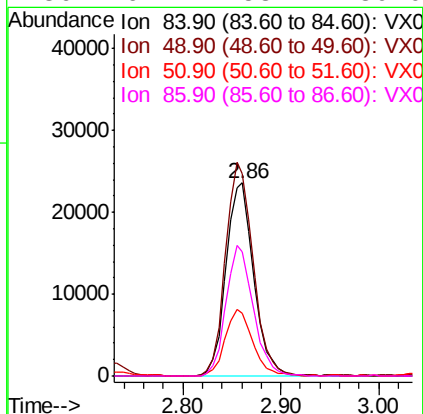
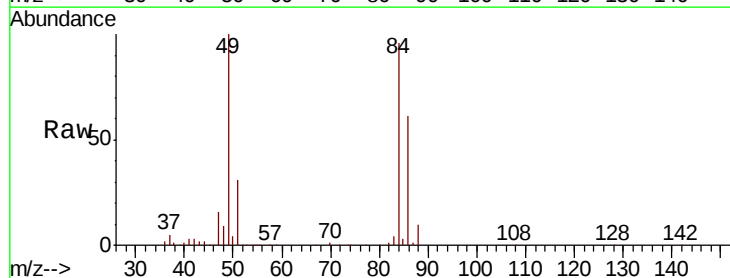
Tot Ion: 73 Resp: 132351
 Ion Ratio Lower Upper
 73 100
 57 20.9 16.4 24.6

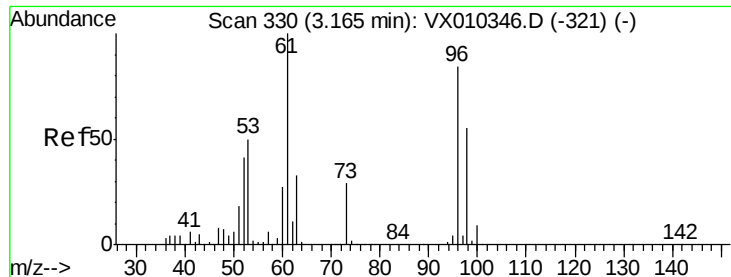


#20

Methylene Chloride
 Concen: 19.101 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Tgt Ion: 84 Resp: 46454
 Ion Ratio Lower Upper
 84 100
 49 104.4 87.5 131.3
 51 32.6 27.7 41.5
 86 64.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 18.450 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

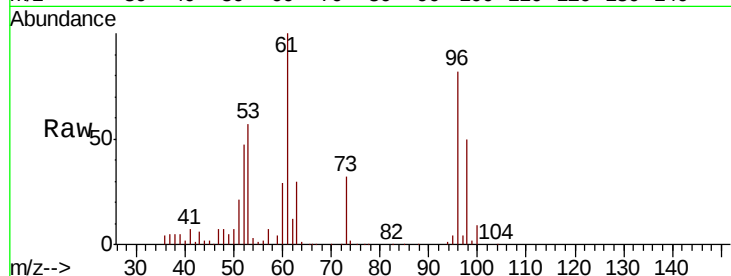
Tot Ion: 96 Resp: 43256

Ion Ratio Lower Upper

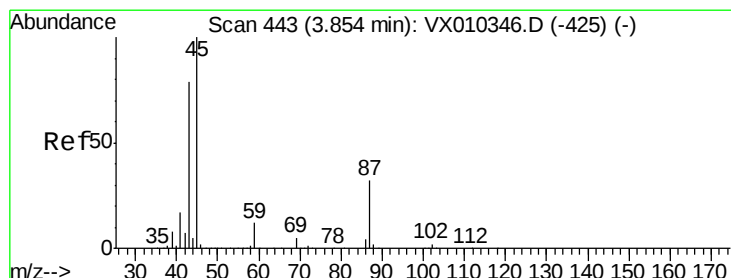
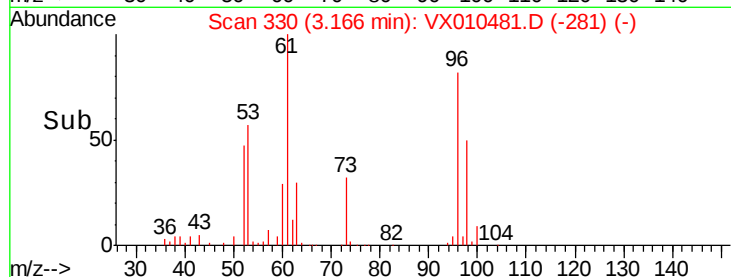
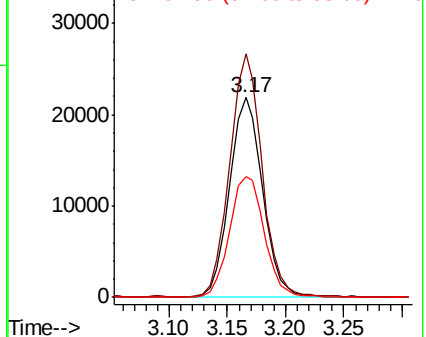
96 100

61 121.7 95.6 143.4

98 60.5 52.5 78.7



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: 19.406 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion: 45 Resp: 125570

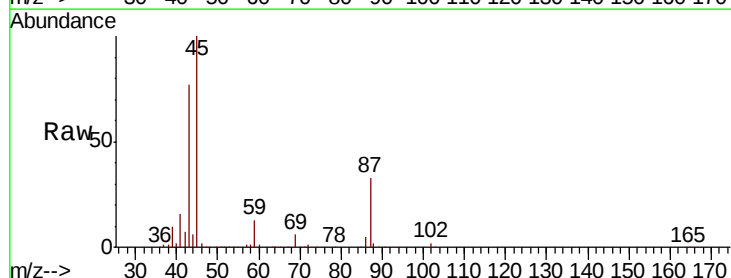
Ion Ratio Lower Upper

45 100

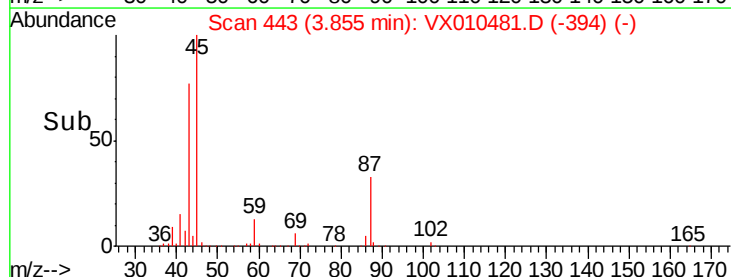
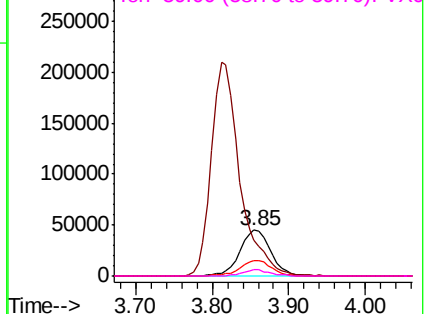
43 76.3 63.3 94.9

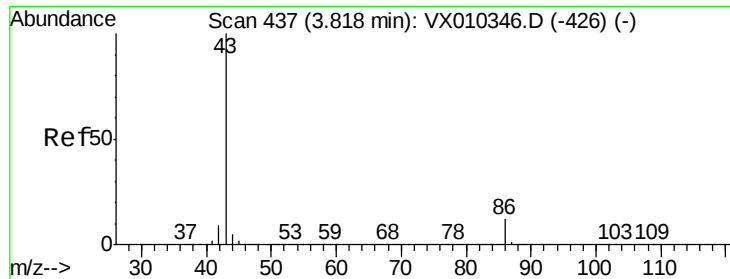
87 33.5 25.8 38.8

59 12.9 9.6 14.4



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: 97.725 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

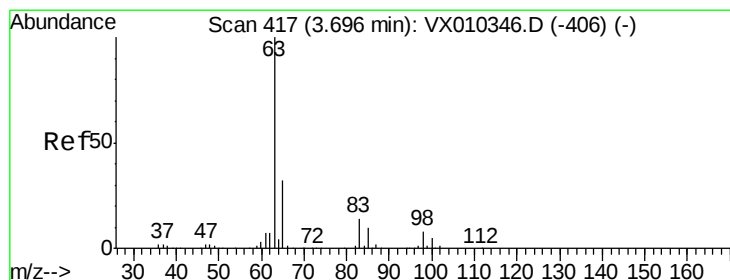
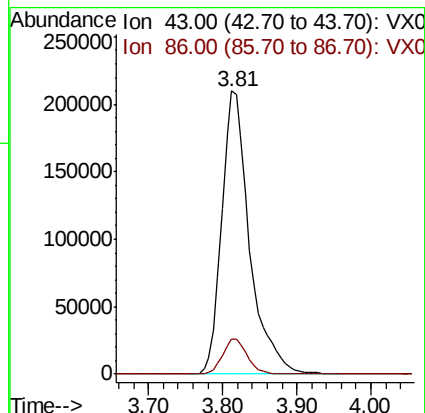
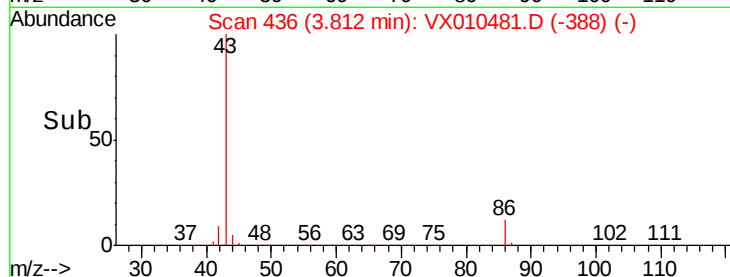
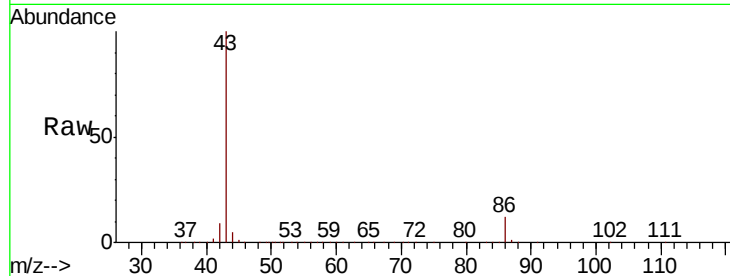
ClientSampleId :

Tot Ion: 43 Resp: 546266

Ion Ratio Lower Upper

43 100

86 12.3 9.9 14.9



#24

1,1-Dichloroethane

Concen: 19.440 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

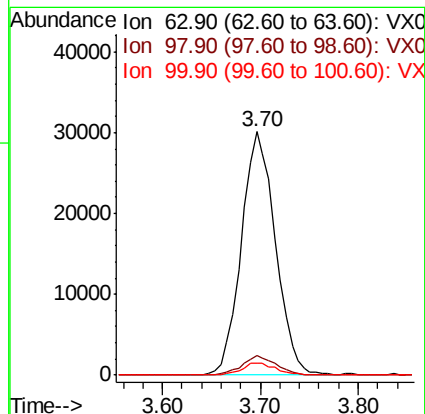
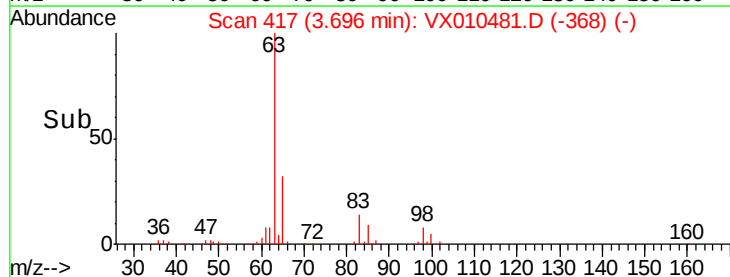
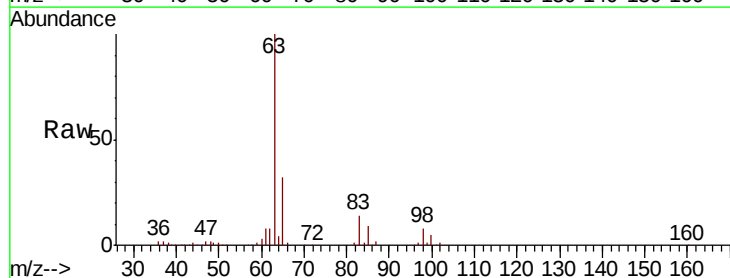
Tgt Ion: 63 Resp: 72711

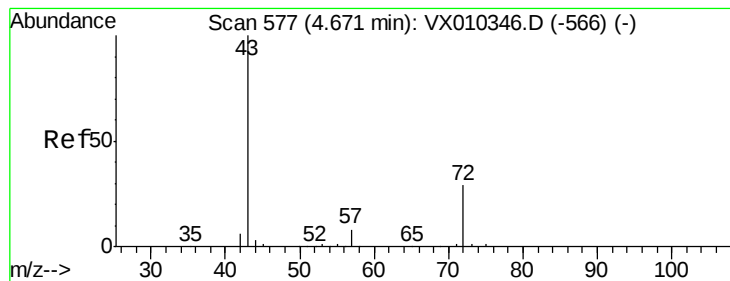
Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

100 5.1 2.4 7.1





#25

2-Butanone

Concen: 97.006 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

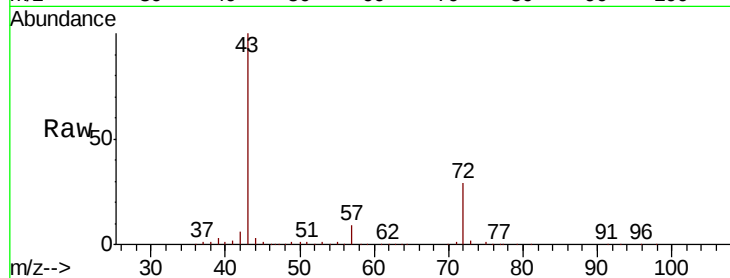
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 168158

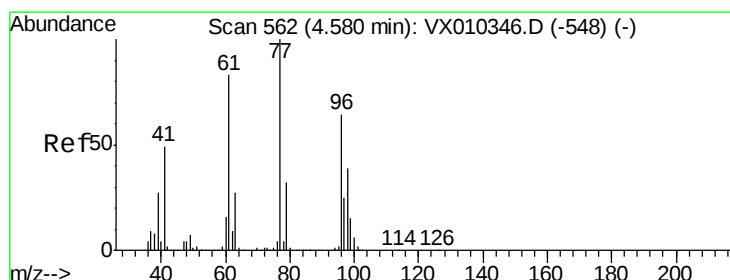
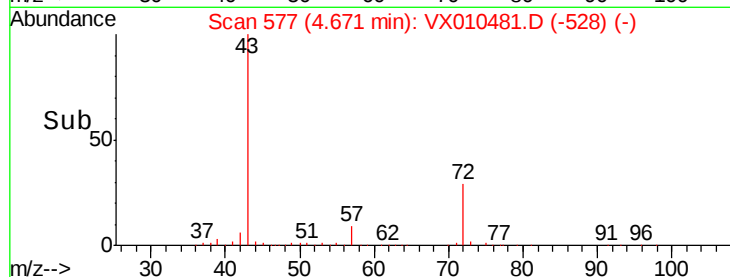
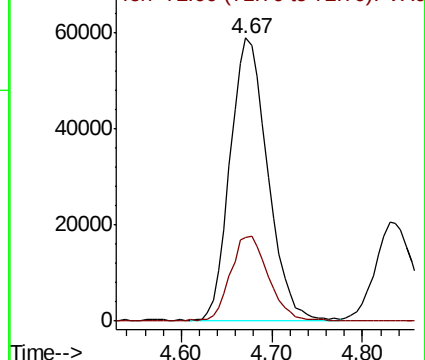
Ion Ratio Lower Upper

43 100

72 29.3 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.063 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010481.D

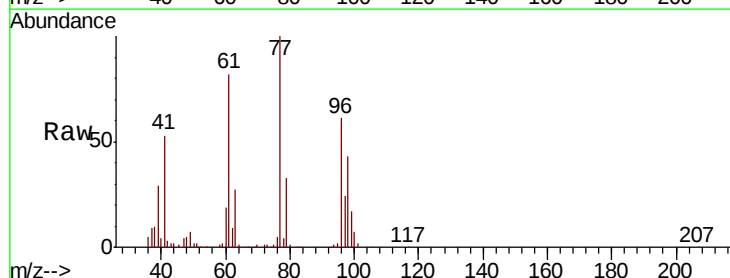
Acq: 27 Jun 2019 12:12

Tgt Ion: 77 Resp: 58687

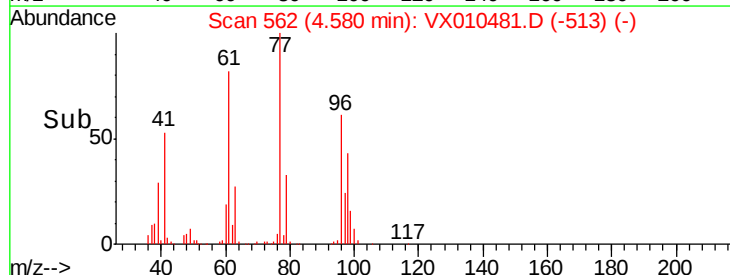
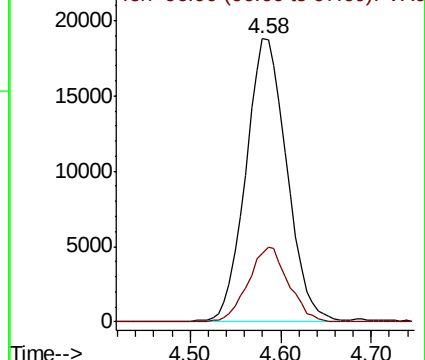
Ion Ratio Lower Upper

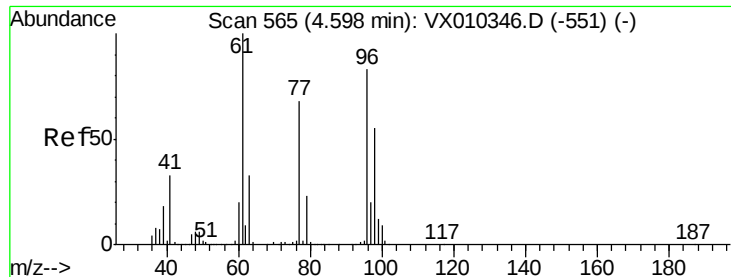
77 100

97 26.0 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0
Ion 96.90 (96.60 to 97.60): VX0



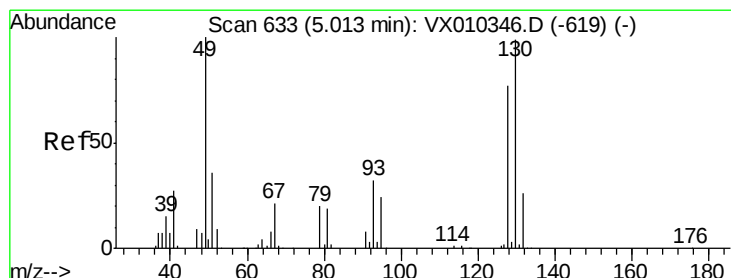
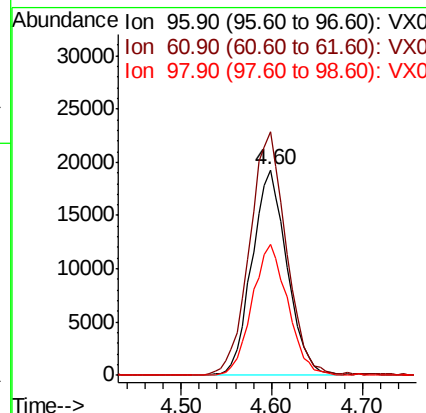
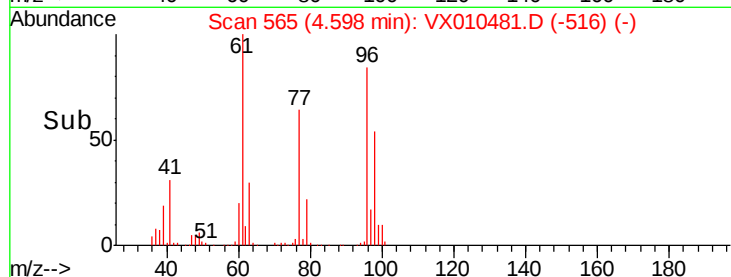
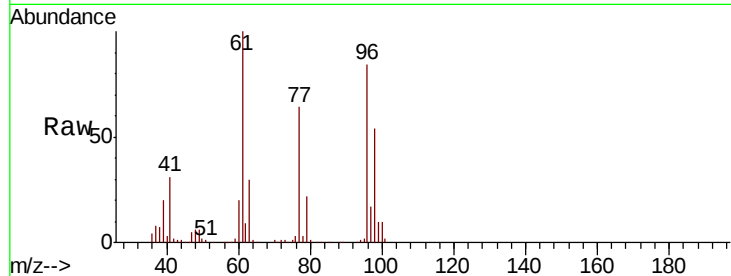


#27

cis-1,2-Dichloroethene
Concen: 19.065 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :

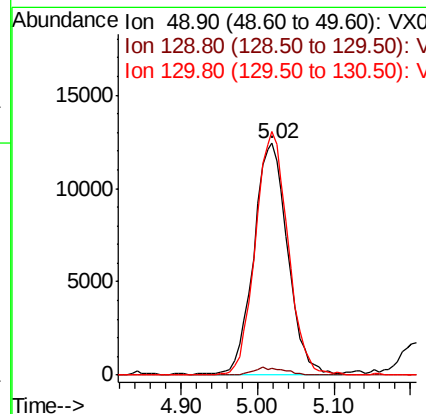
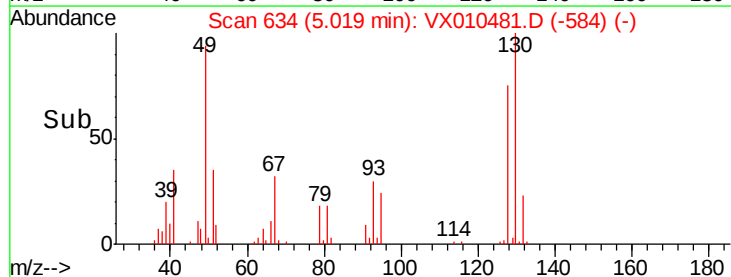
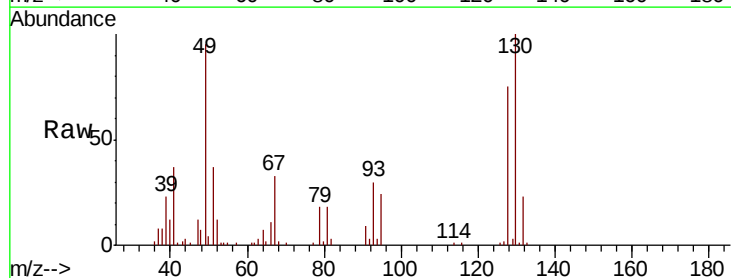
Tot Ion: 96 Resp: 51653
Ion Ratio Lower Upper
96 100
61 124.2 0.0 251.8
98 65.1 0.0 129.4

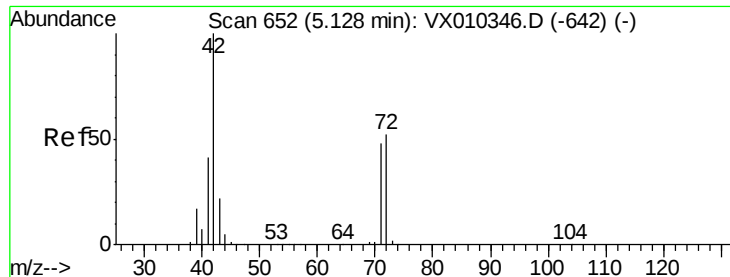


#28

Bromochloromethane
Concen: 21.534 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion: 49 Resp: 38509
Ion Ratio Lower Upper
49 100
129 3.0 0.0 5.6
130 100.7 81.4 122.0

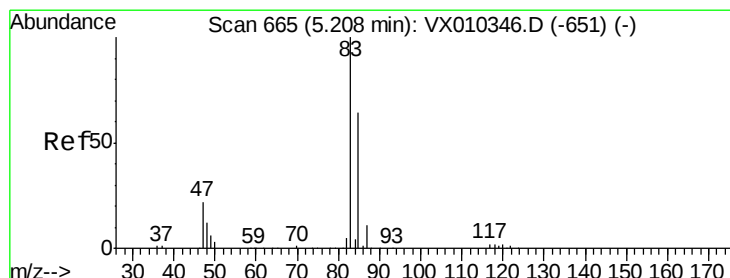
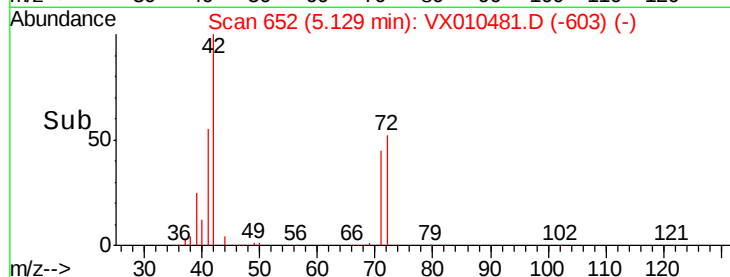
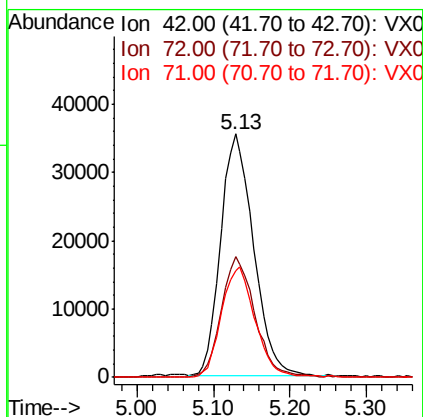
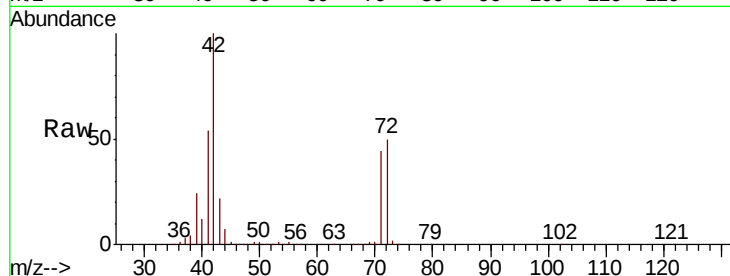




#29
Tetrahydrofuran
Concen: 98.223 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

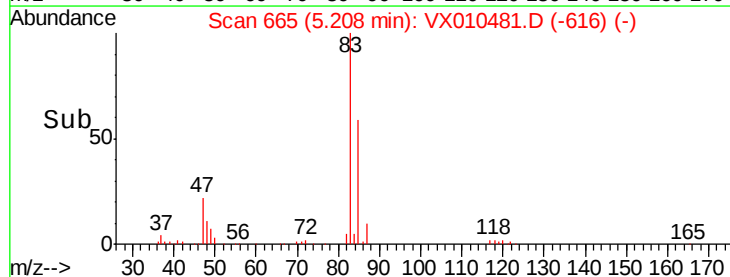
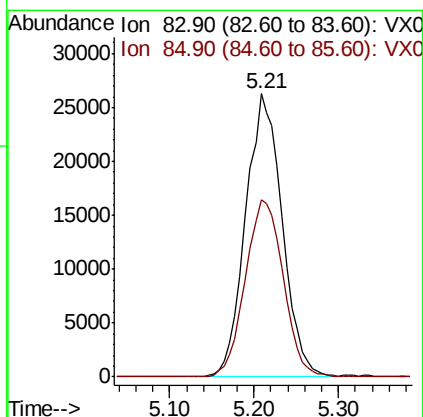
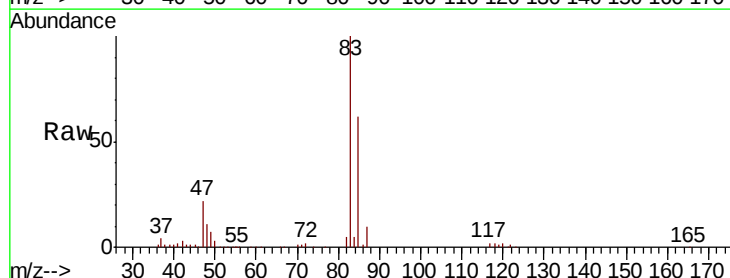
Instrument :
MSVOA_X
ClientSampleId :

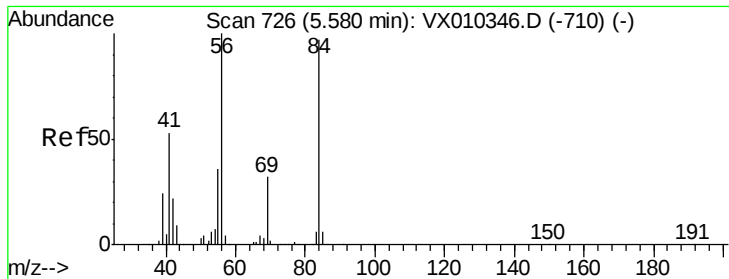
Tot Ion	Ratio	Lower	Upper
42	100		
72	51.1	40.6	60.8
71	46.6	37.8	56.8



#30
Chloroform
Concen: 19.259 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.9	76.3

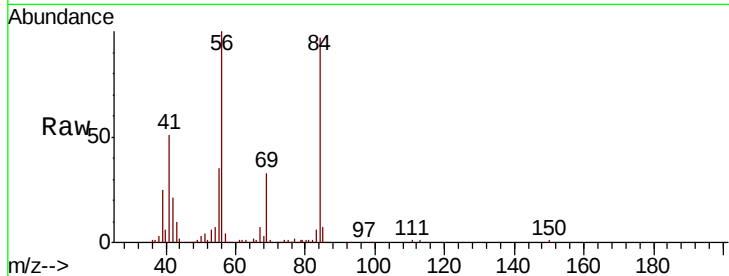




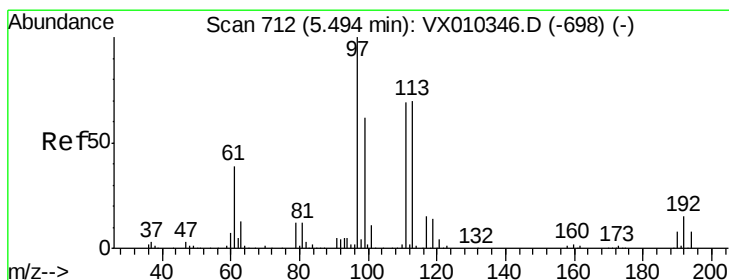
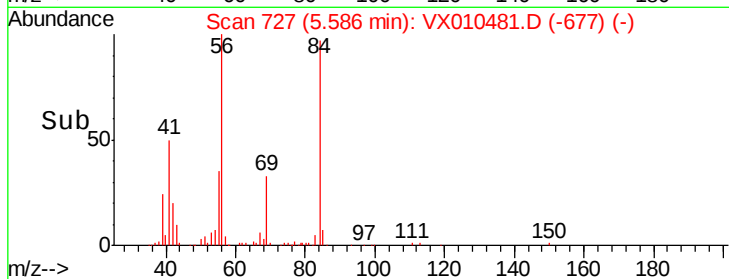
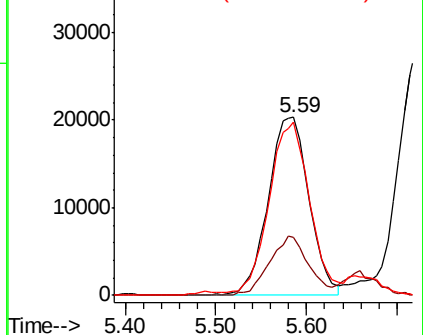
#31
Cyclohexane
Concen: 18.620 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 63419
Ion Ratio Lower Upper
56 100
69 32.9 25.9 38.9
84 96.2 78.0 117.0

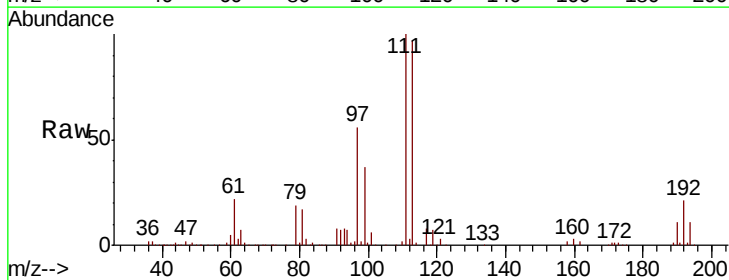


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

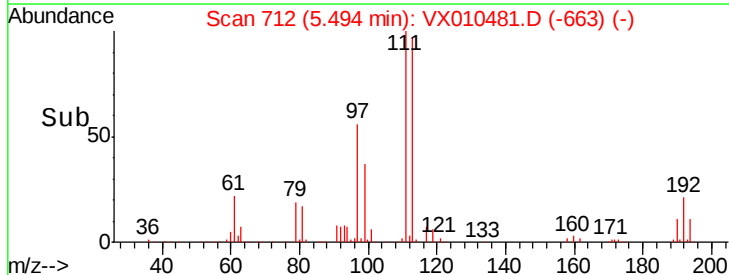
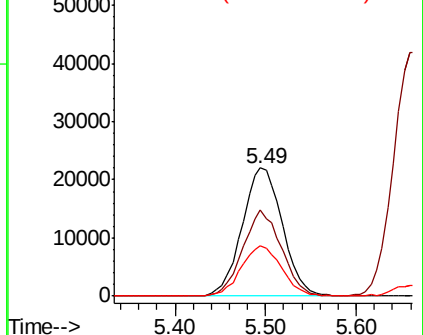


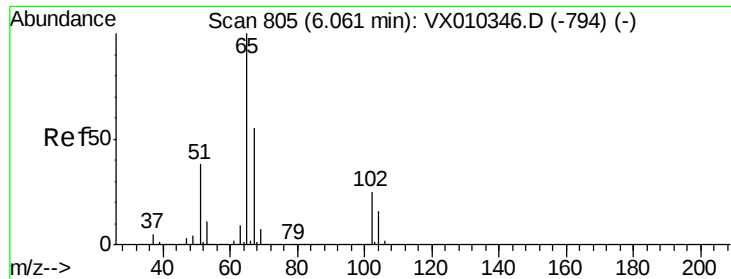
#32
1,1,1-Trichloroethane
Concen: 19.054 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion: 97 Resp: 67708
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.8
61 39.2 32.1 48.1



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.805 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

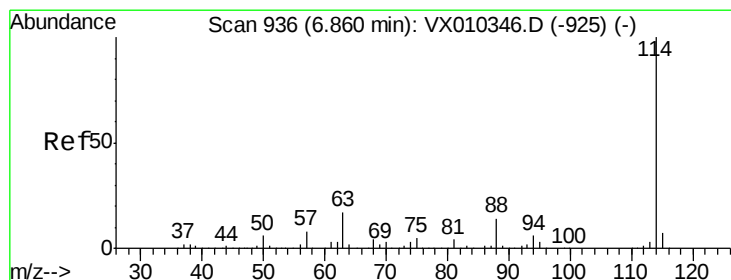
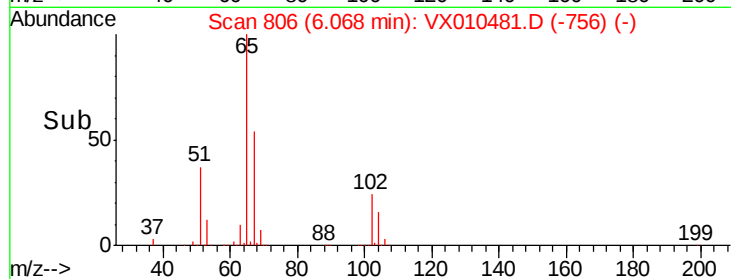
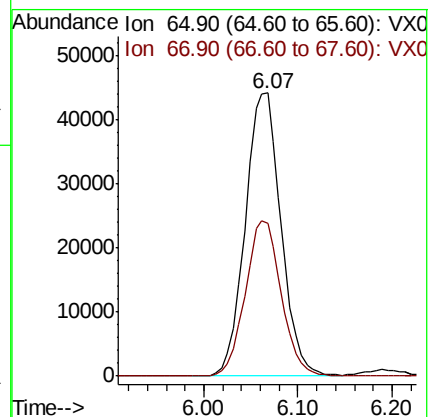
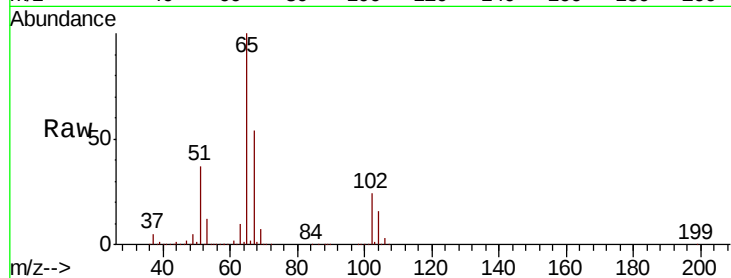
ClientSampleId :

Tot Ion: 65 Resp: 117440

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

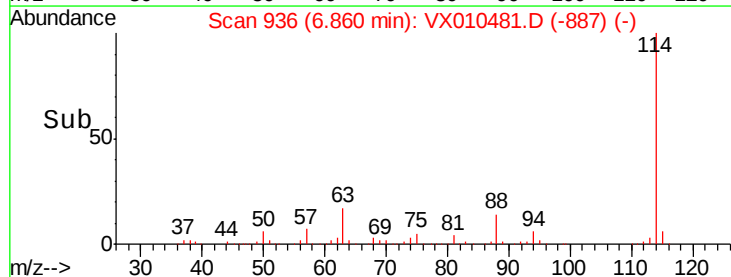
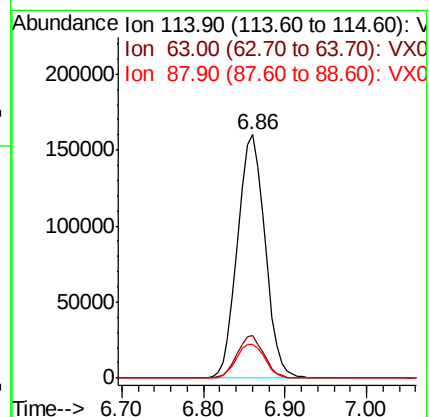
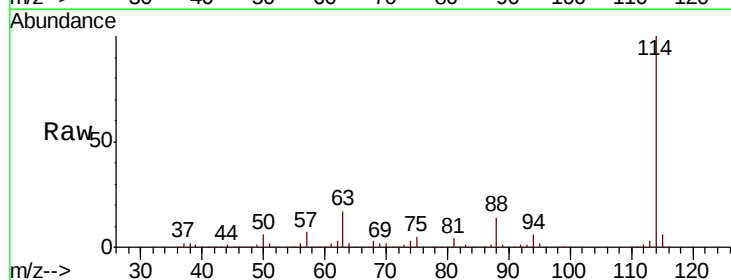
Tgt Ion: 114 Resp: 373664

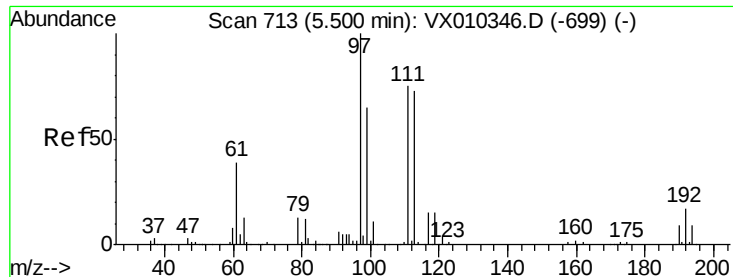
Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.8

88 14.0 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.071 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

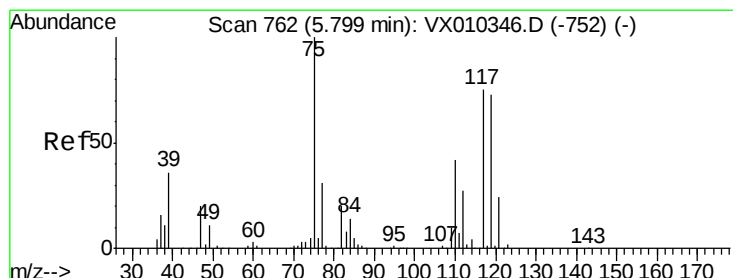
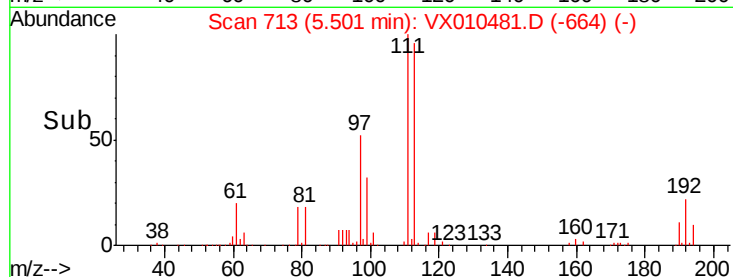
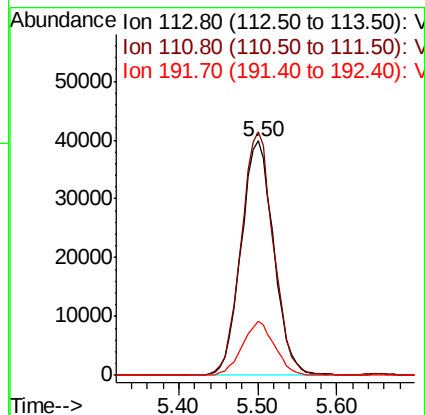
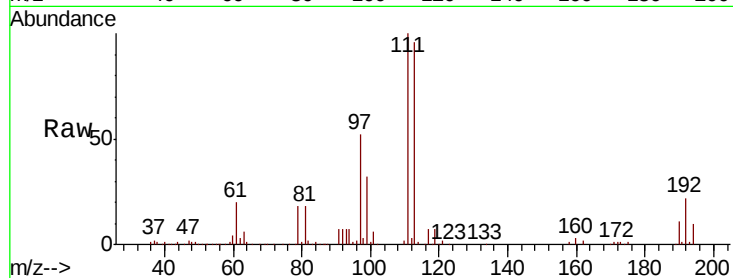
Tot Ion:113 Resp: 114473

Ion Ratio Lower Upper

113 100

111 103.0 81.2 121.8

192 22.9 18.6 27.8



#36

1,1-Dichloropropene

Concen: 18.254 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

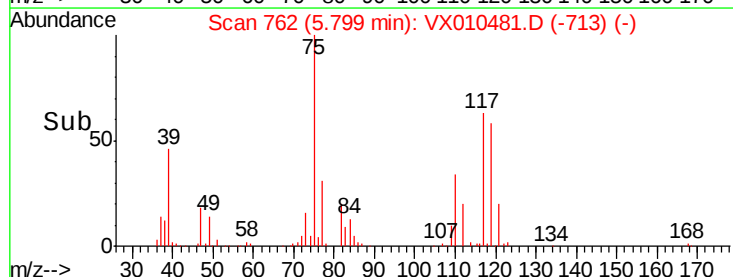
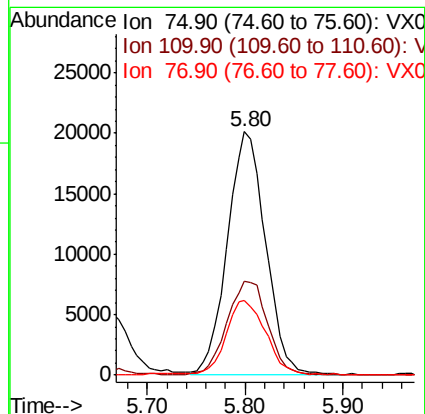
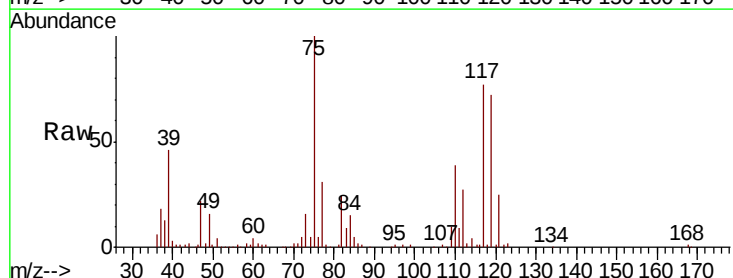
Tgt Ion: 75 Resp: 54203

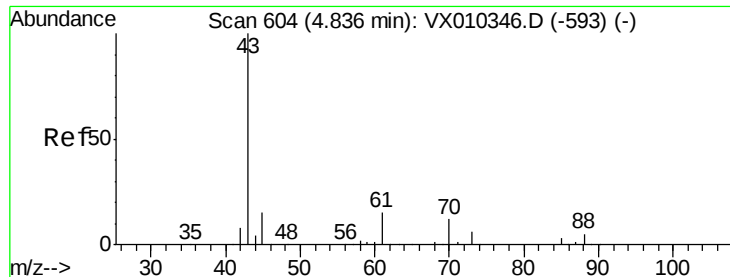
Ion Ratio Lower Upper

75 100

110 41.4 20.8 62.2

77 31.9 25.4 38.0





#37

Ethyl Acetate

Concen: 19.741 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

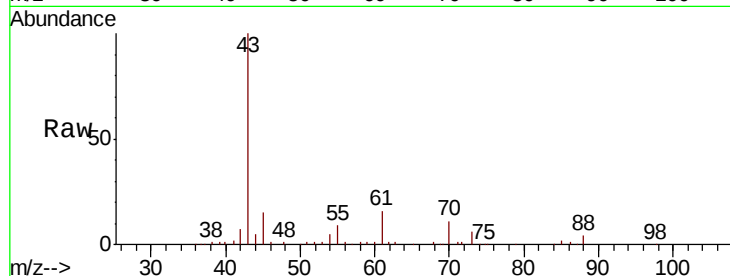
Tot Ion: 43 Resp: 60302

Ion Ratio Lower Upper

43 100

61 17.6 12.4 18.6

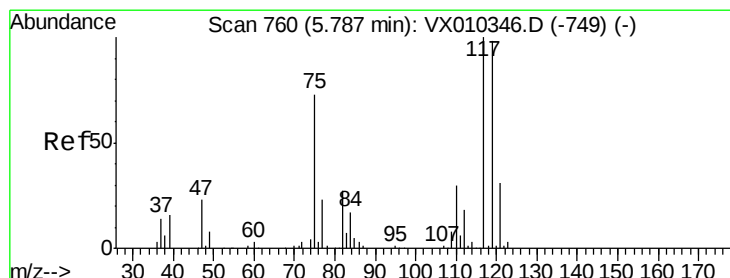
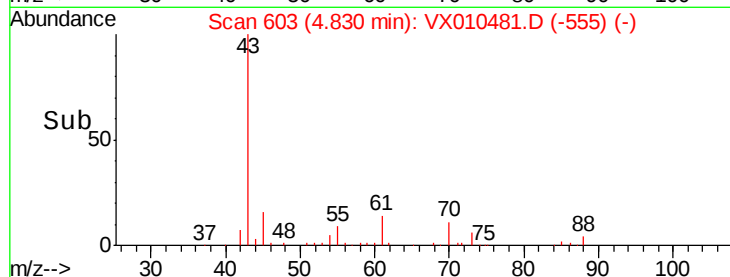
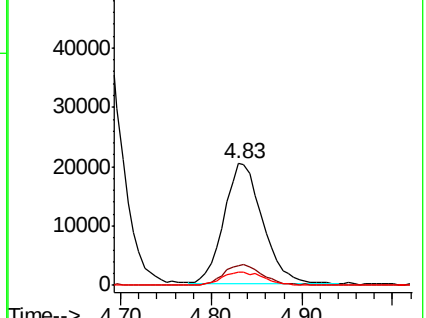
70 12.5 9.8 14.8



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: 18.656 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

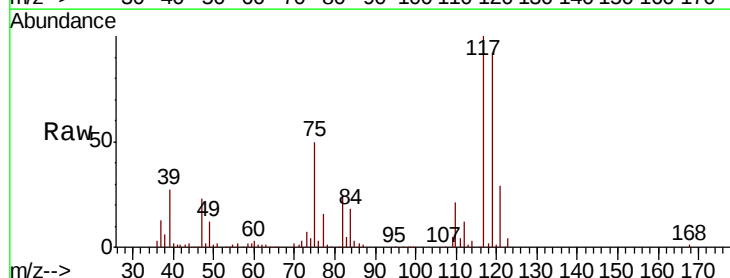
Tgt Ion: 117 Resp: 59986

Ion Ratio Lower Upper

117 100

119 91.5 78.2 117.4

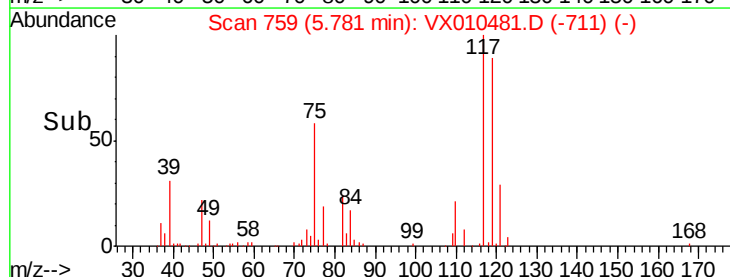
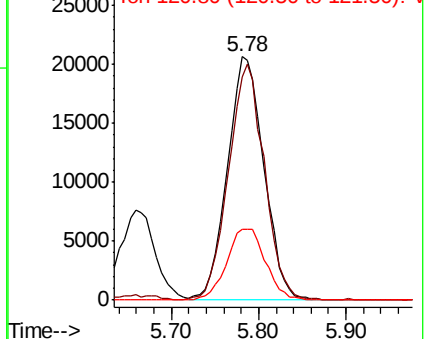
121 29.1 24.7 37.1



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

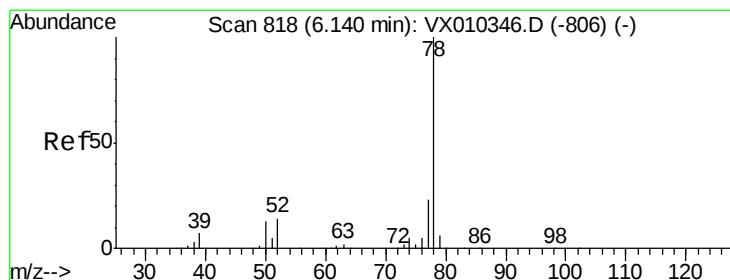
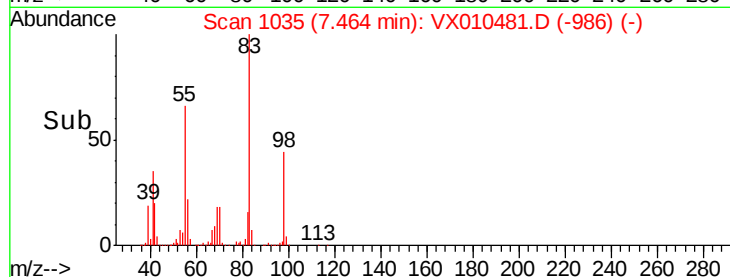
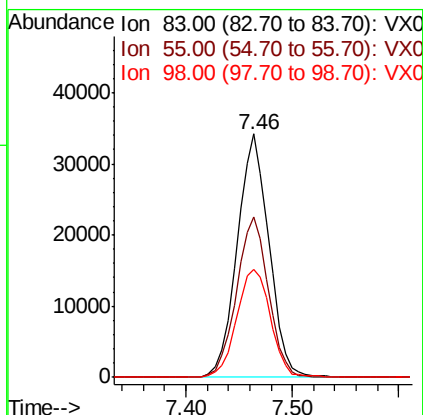
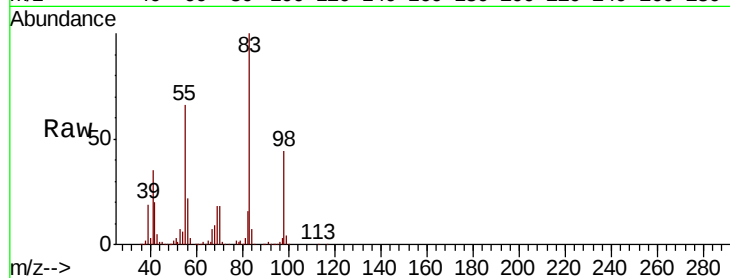




#39
Methvlcvclohexane
Concen: 18.356 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

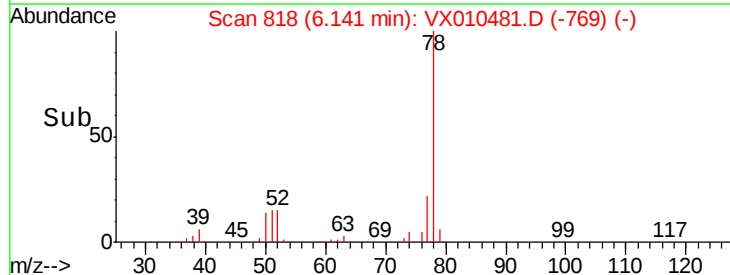
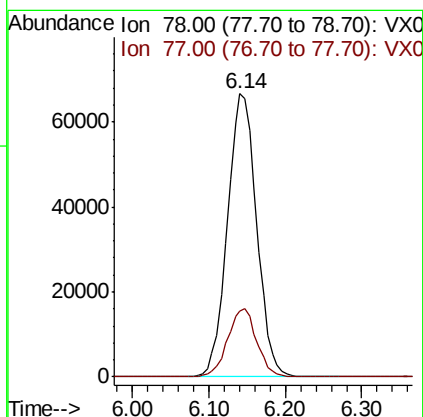
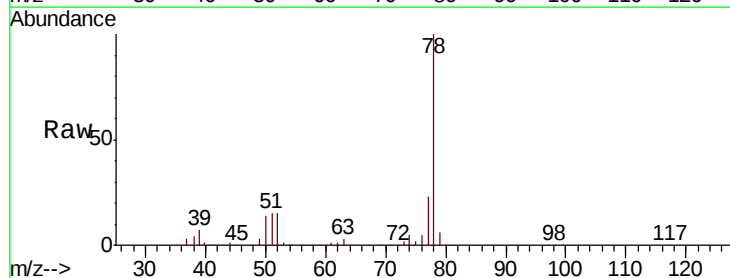
Instrument :
MSVOA_X
ClientSampleId :

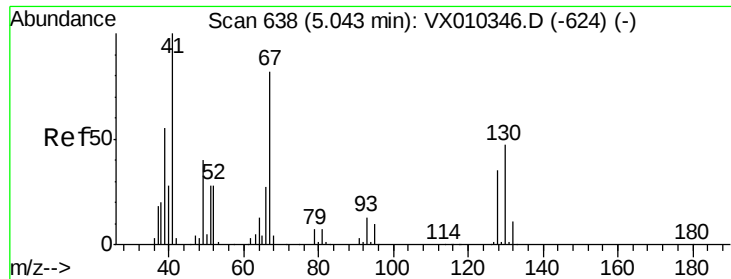
Tot Ion: 83 Resp: 71645
Ion Ratio Lower Upper
83 100
55 65.7 53.0 79.6
98 44.0 37.8 56.8



#40
Benzene
Concen: 19.021 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion: 78 Resp: 175960
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0

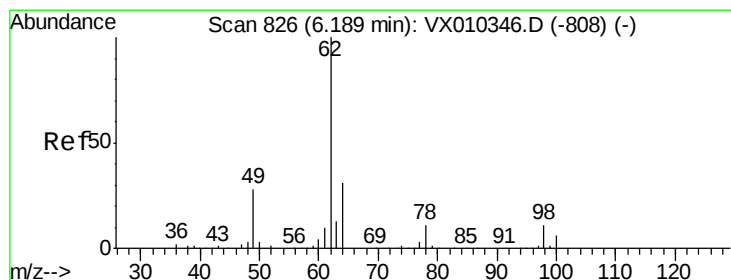
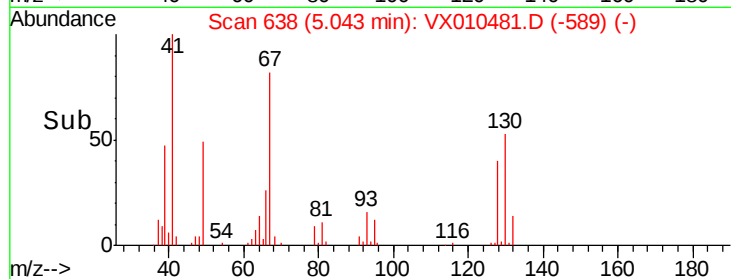
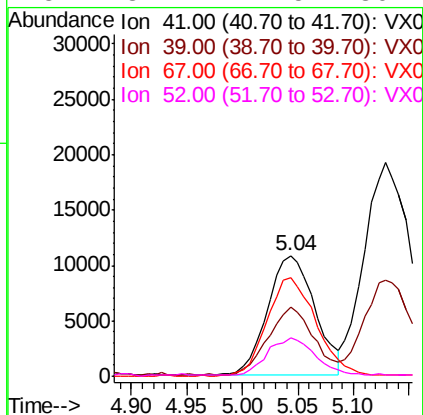
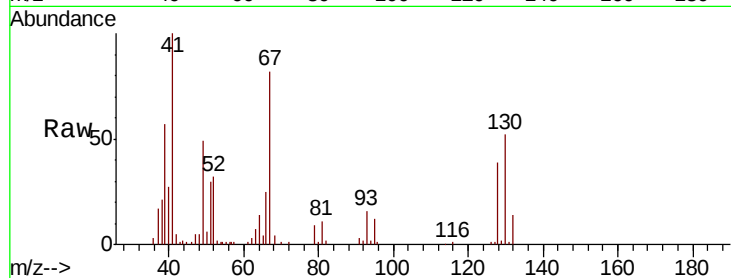




#41
Methacrylonitrile
Concen: 19.252 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

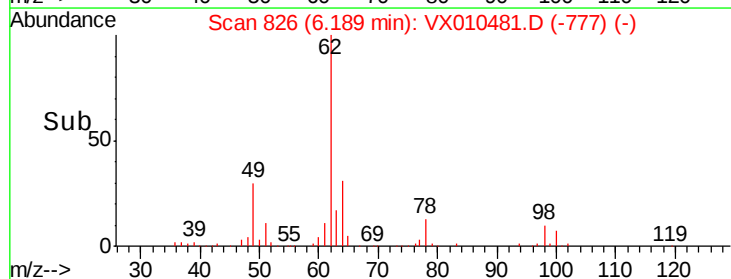
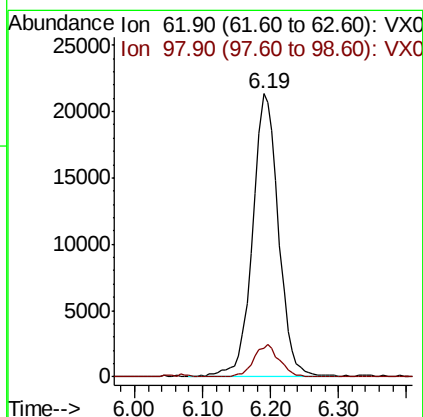
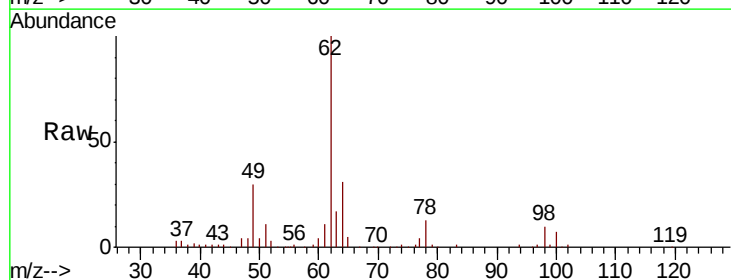
Instrument :
MSVOA_X
ClientSampled :

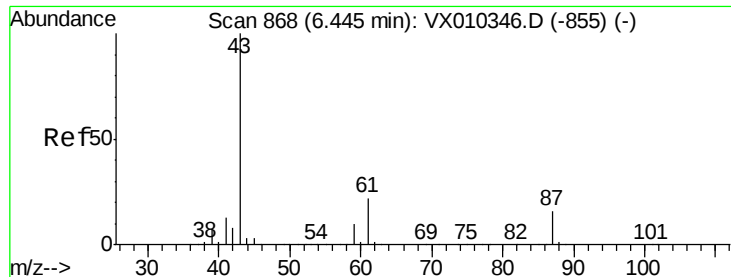
Tot Ion:	41	Resp:	32268
Ion	Ratio	Lower	Upper
41	100		
39	54.8	43.8	65.8
67	85.6	66.6	100.0
52	31.7	24.5	36.7



#42
1,2-Dichloroethane
Concen: 20.229 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion:	62	Resp:	56964
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	22.2





#43

Isopropyl Acetate

Concen: 19.334 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampled :

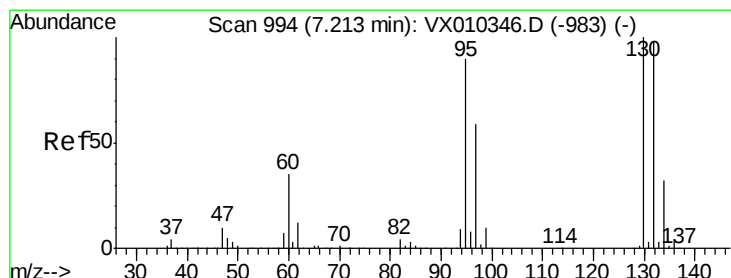
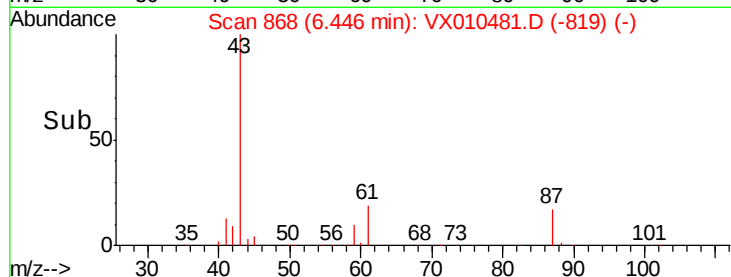
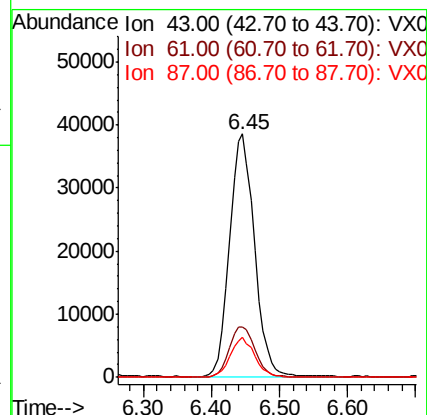
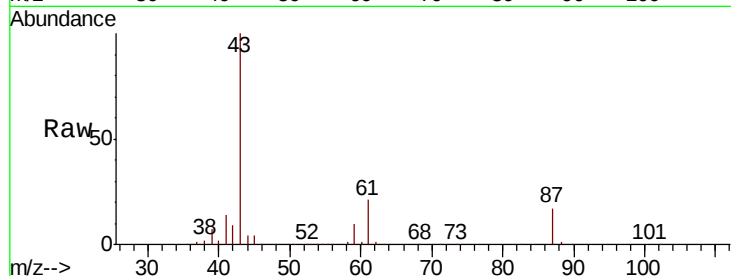
Tot Ion: 43 Resp: 97713

Ion Ratio Lower Upper

43 100

61 22.0 17.8 26.6

87 16.3 13.0 19.4



#44

Trichloroethene

Concen: 18.971 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010481.D

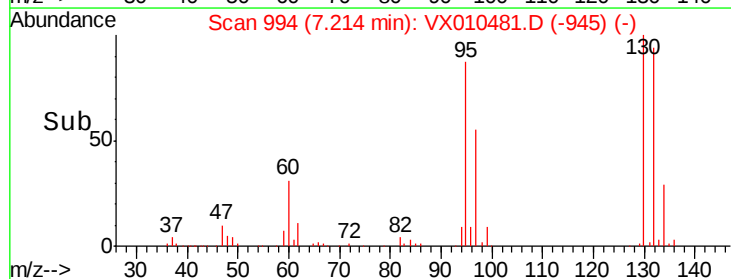
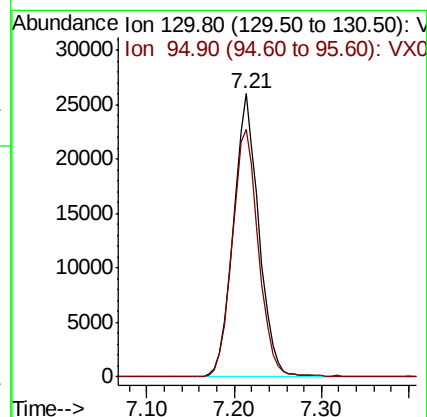
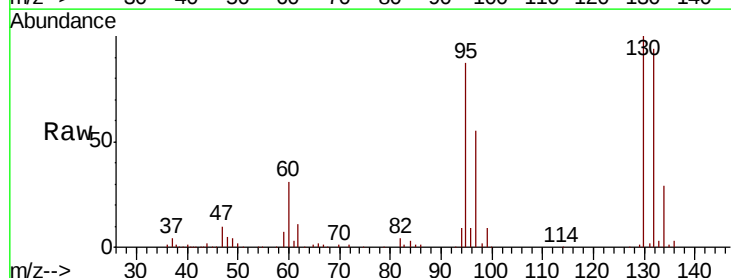
Acq: 27 Jun 2019 12:12

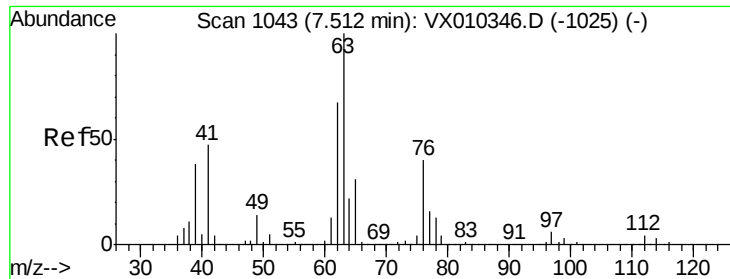
Tgt Ion:130 Resp: 52515

Ion Ratio Lower Upper

130 100

95 87.2 0.0 180.8





#45

1,2-Dichloropropane

Concen: 19.086 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

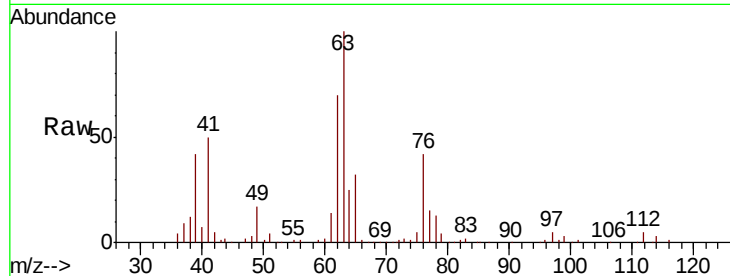
ClientSampled :

Tot Ion: 63 Resp: 44587

Ion Ratio Lower Upper

63 100

65 31.5 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

25000

20000

15000

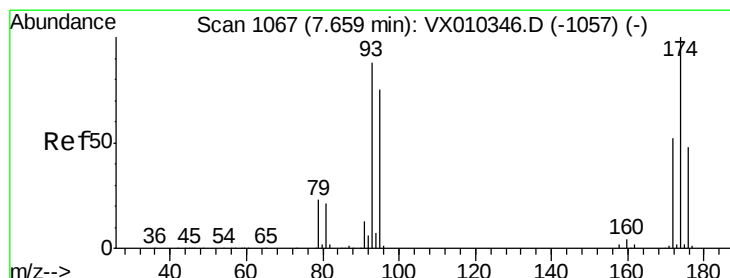
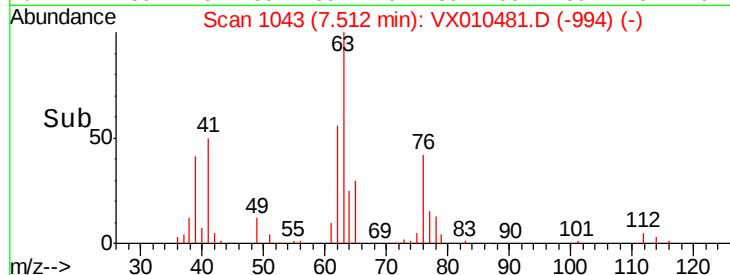
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 19.753 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

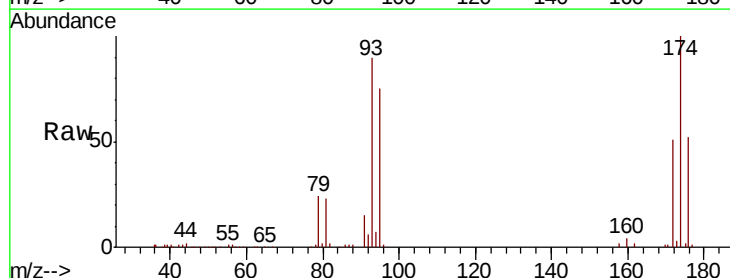
Tgt Ion: 93 Resp: 33108

Ion Ratio Lower Upper

93 100

95 83.5 67.5 101.3

174 116.2 95.8 143.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

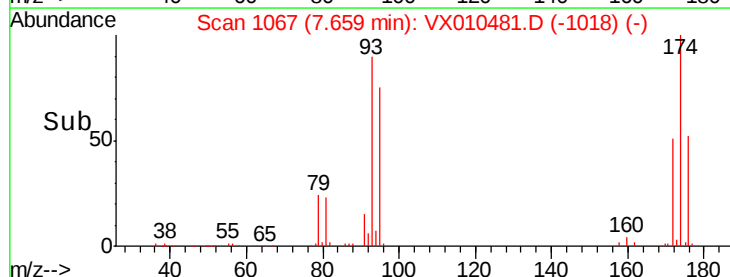
10000

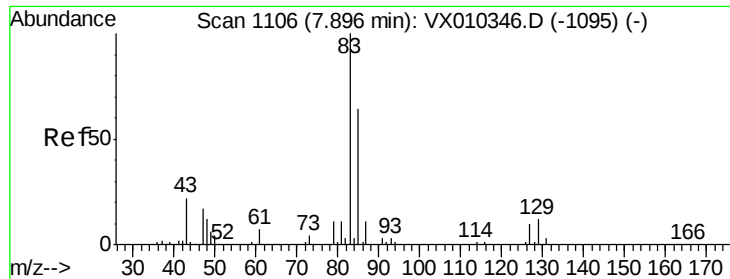
5000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 18.983 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

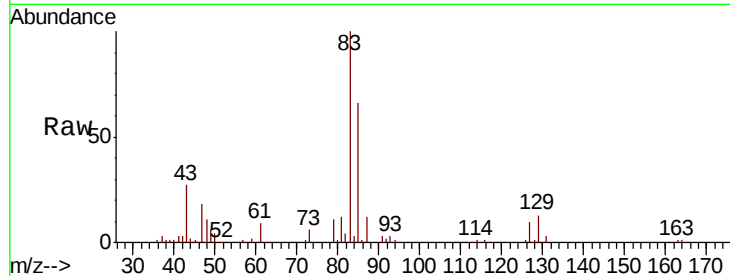
Tot Ion: 83 Resp: 58310

Ion Ratio Lower Upper

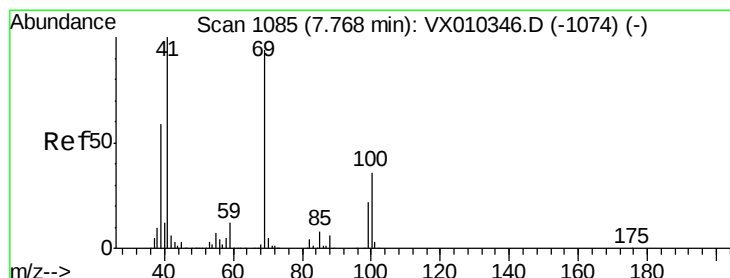
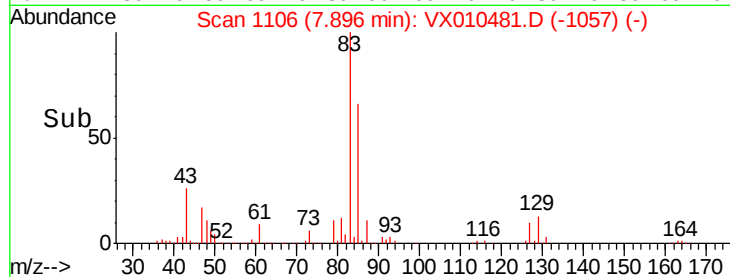
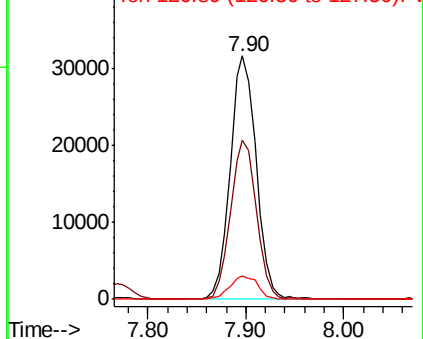
83 100

85 65.6 51.5 77.3

127 9.7 7.8 11.8



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: 19.087 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

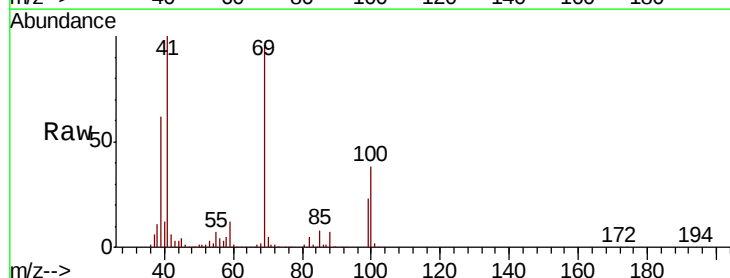
Tgt Ion: 41 Resp: 44838

Ion Ratio Lower Upper

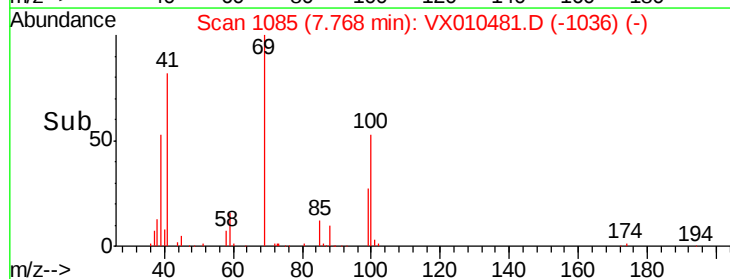
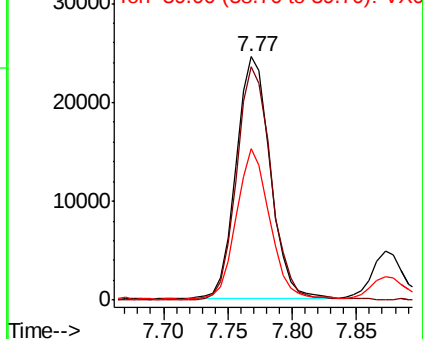
41 100

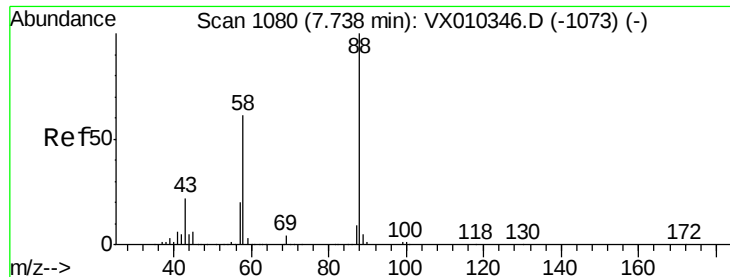
69 98.4 76.1 114.1

39 60.7 47.6 71.4



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





#49

1,4-Dioxane

Concen: 412.332 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampled :

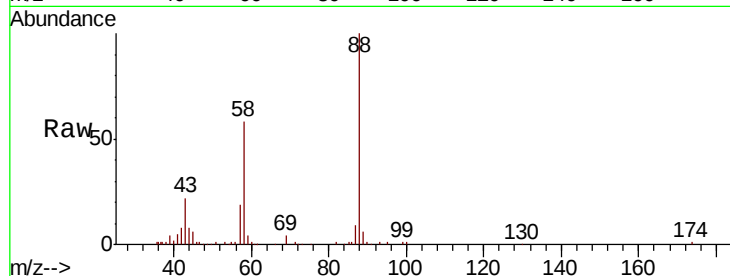
Tot Ion: 88 Resp: 27904

Ion Ratio Lower Upper

88 100

43 26.4 20.2 30.2

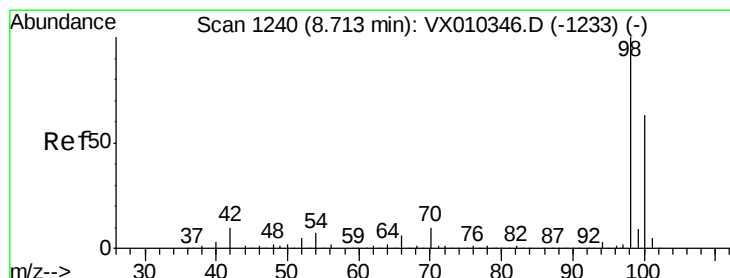
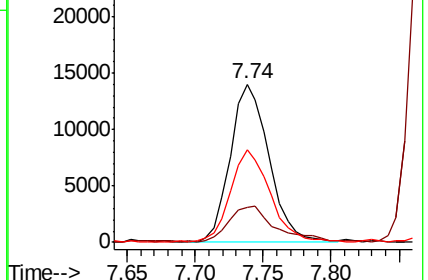
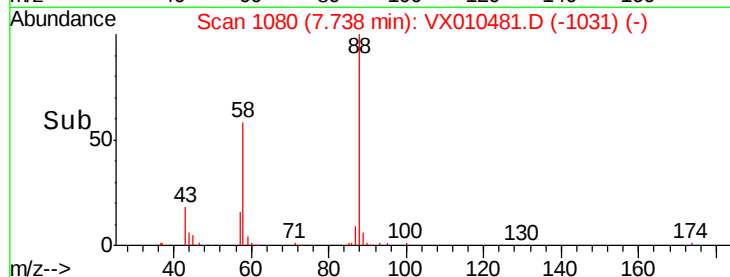
58 60.4 49.5 74.3



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: 49.929 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010481.D

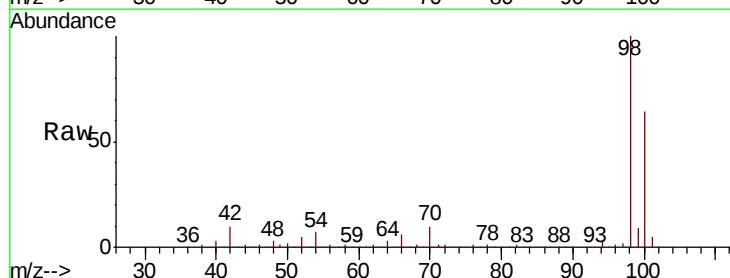
Acq: 27 Jun 2019 12:12

Tgt Ion: 98 Resp: 436712

Ion Ratio Lower Upper

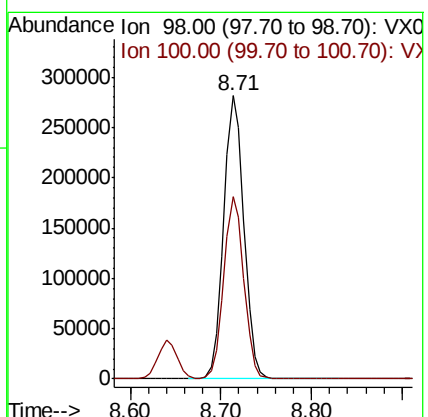
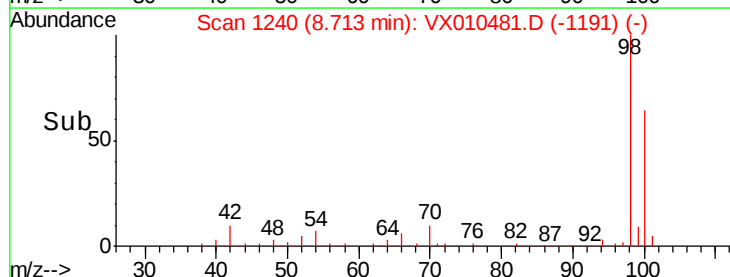
98 100

100 63.8 51.6 77.4



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: 100.919 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

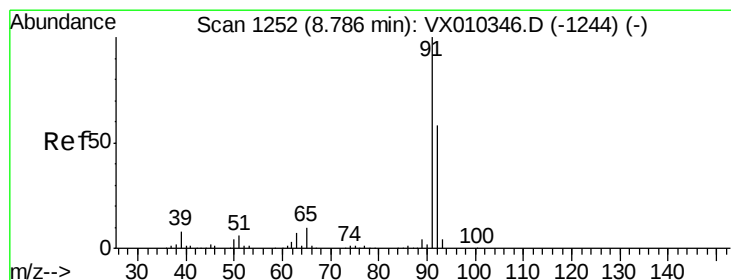
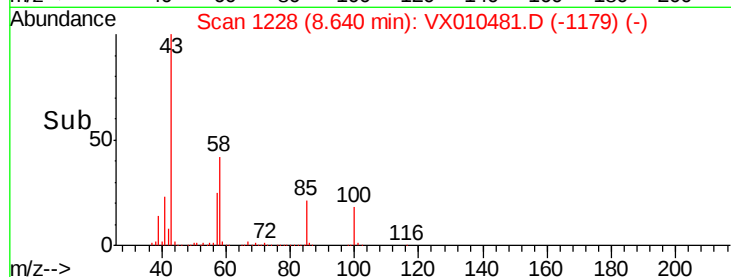
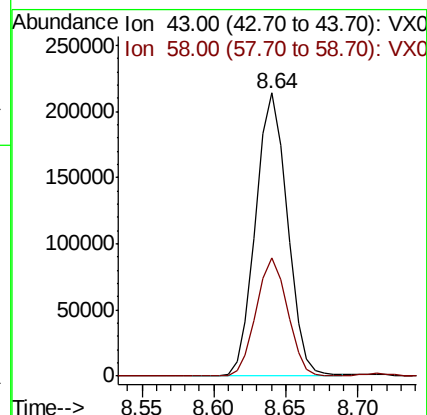
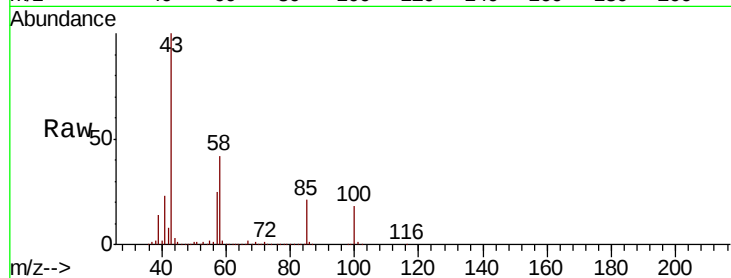
ClientSampleId :

Tot Ion: 43 Resp: 326207

Ion Ratio Lower Upper

43 100

58 41.4 33.5 50.3



#52

Toluene

Concen: 19.338 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010481.D

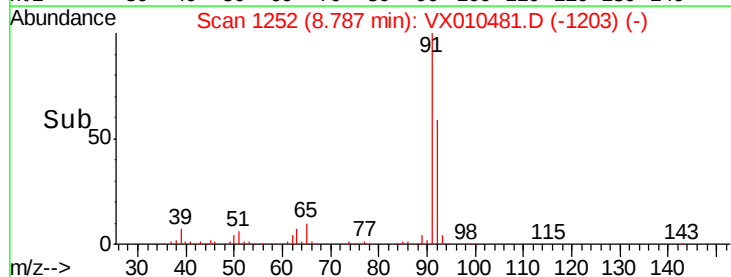
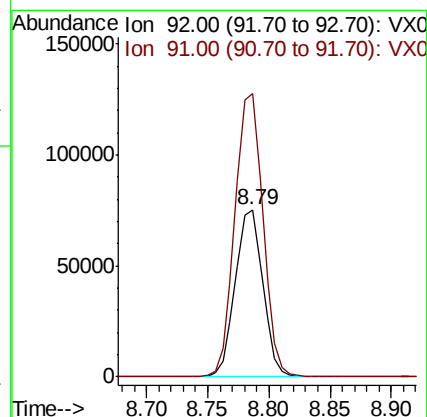
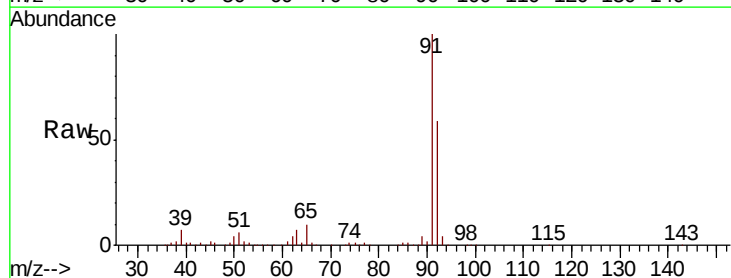
Acq: 27 Jun 2019 12:12

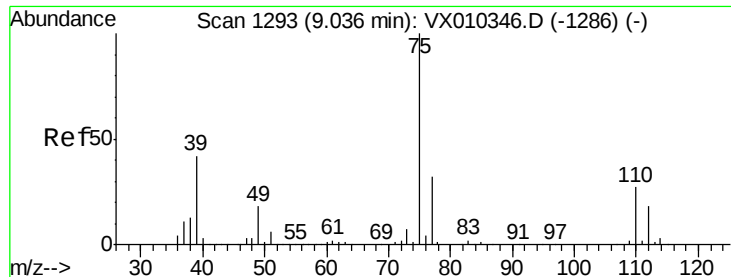
Tgt Ion: 92 Resp: 117807

Ion Ratio Lower Upper

92 100

91 172.5 139.8 209.6

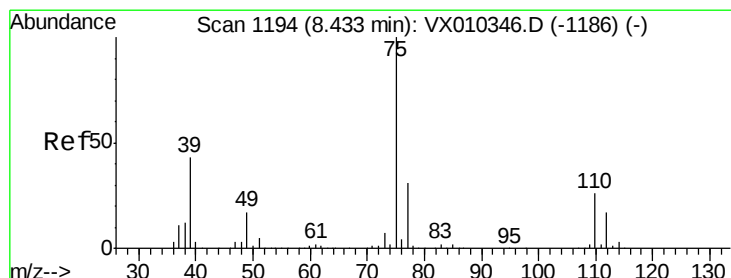
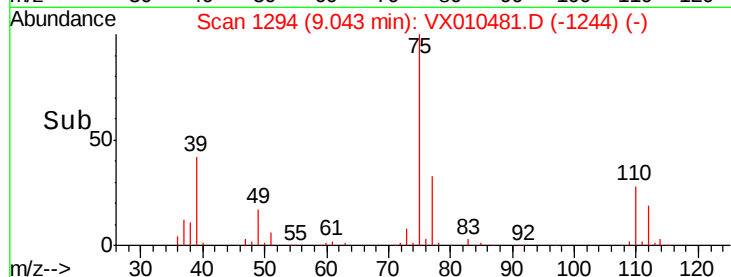
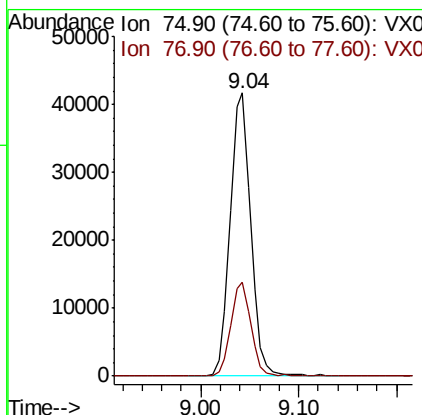
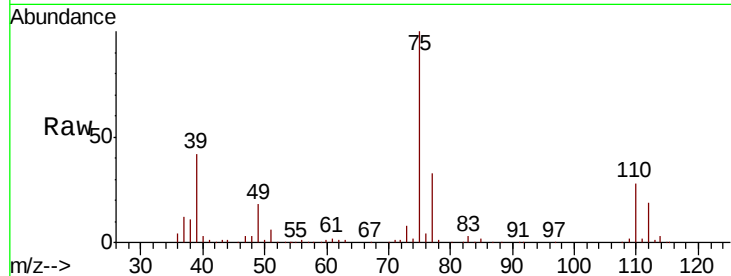




#53
t-1,3-Dichloropropene
Concen: 17.769 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

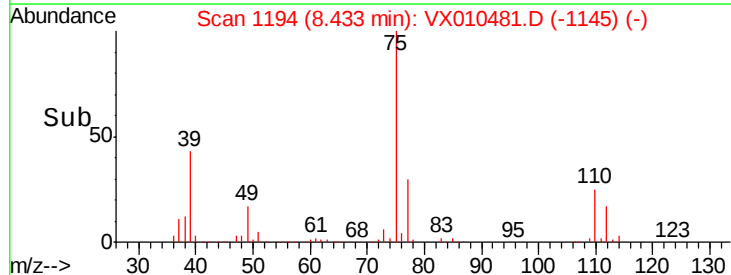
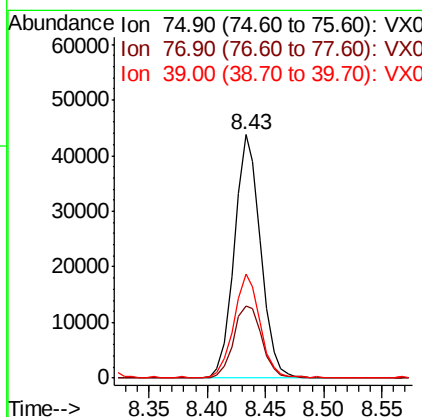
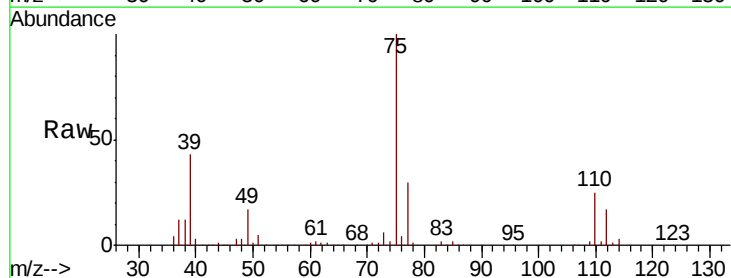
Instrument :
MSVOA_X
ClientSampleId :

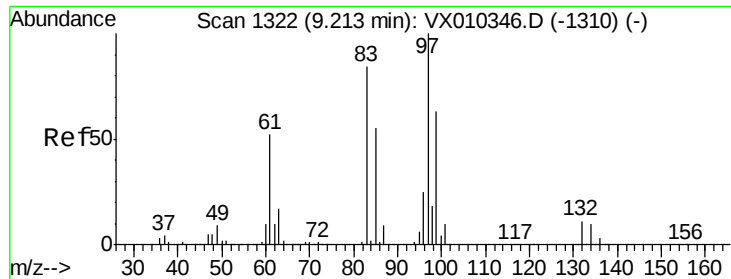
Tot Ion: 75 Resp: 61192
Ion Ratio Lower Upper
75 100
77 33.3 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 18.386 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion: 75 Resp: 68806
Ion Ratio Lower Upper
75 100
77 29.7 25.2 37.8
39 42.5 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 20.011 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 97 Resp: 50277

Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.4	101.0
85	54.1	43.8	65.8
99	62.3	50.3	75.5

Abundance

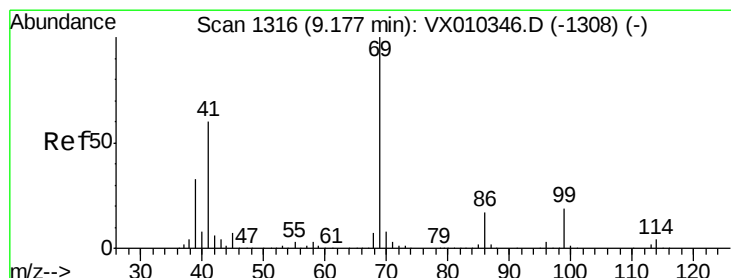
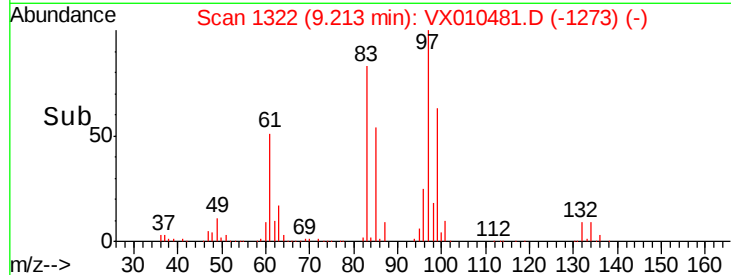
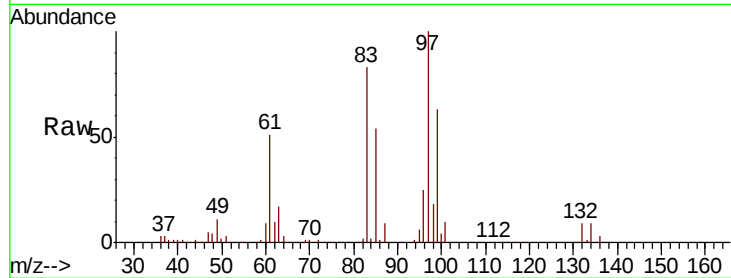
Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Time-->



#56

Ethyl methacrylate

Concen: 19.261 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion: 69 Resp: 73309

Ion	Ratio	Lower	Upper
69	100		
41	58.9	47.1	70.7
39	34.1	26.6	40.0

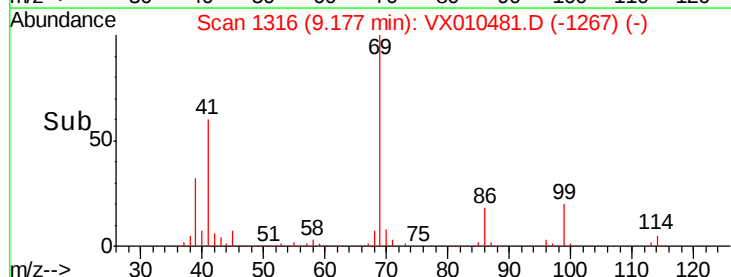
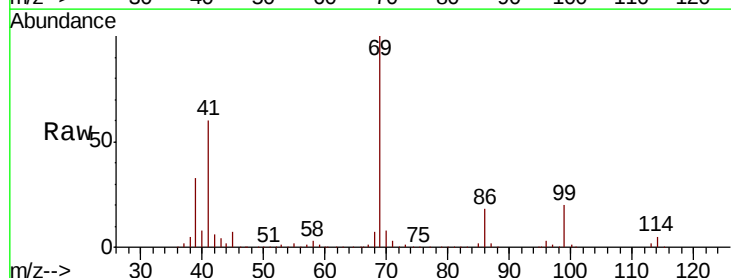
Abundance

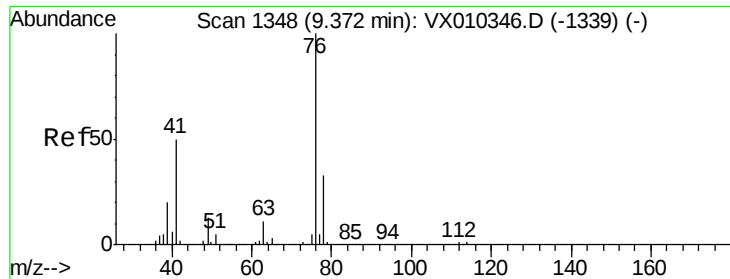
Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Time-->





#57

1,3-Dichloropropane

Concen: 19.651 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

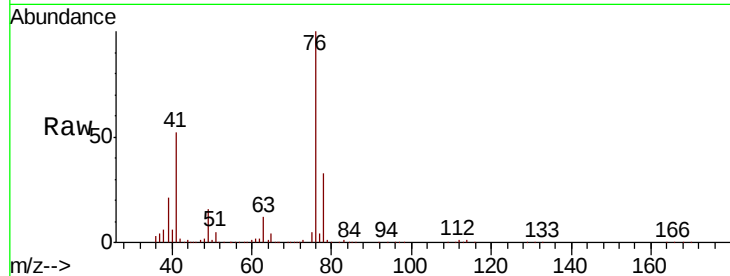
ClientSampleId :

Tot Ion: 76 Resp: 76641

Ion Ratio Lower Upper

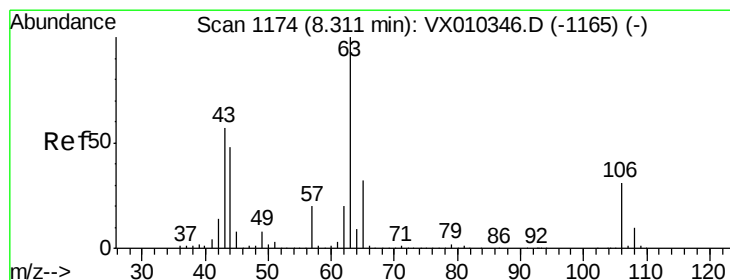
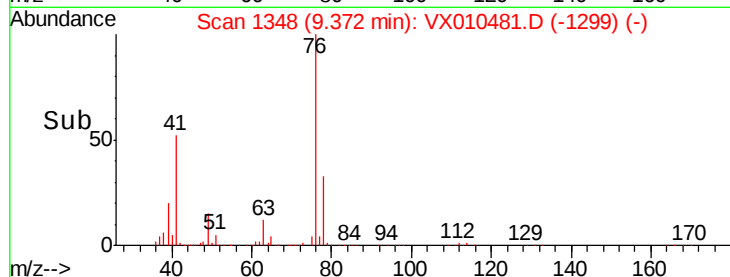
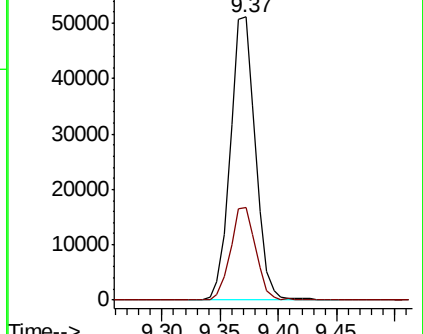
76 100

78 33.3 26.1 39.1



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: 94.074 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010481.D

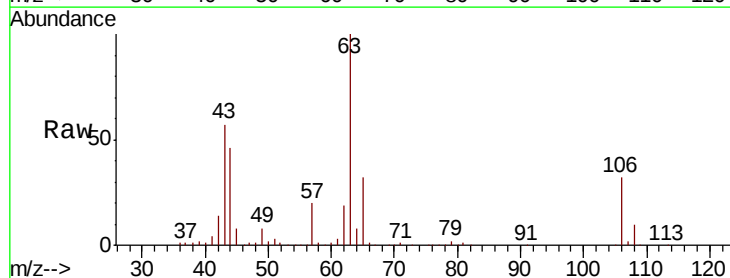
Acq: 27 Jun 2019 12:12

Tgt Ion: 63 Resp: 170049

Ion Ratio Lower Upper

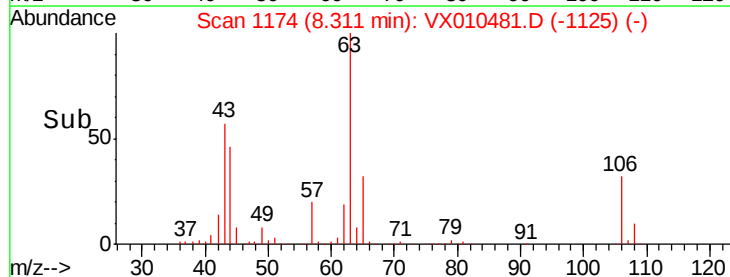
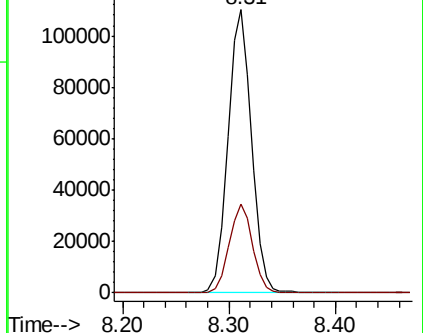
63 100

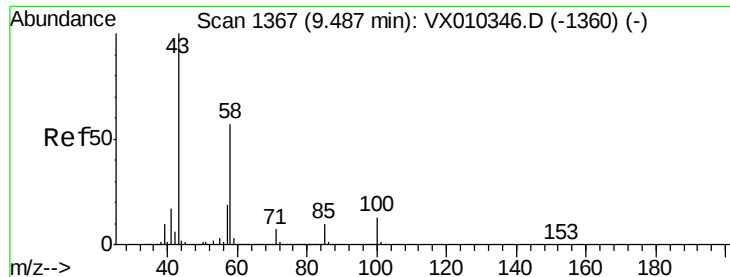
106 31.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

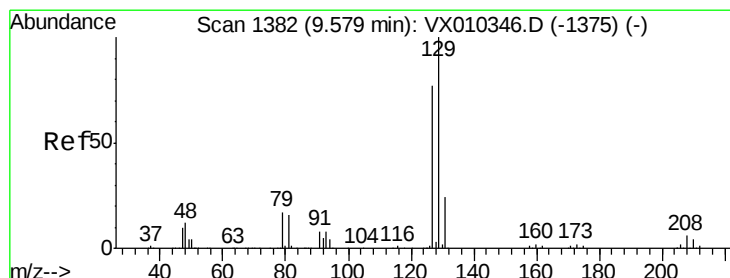
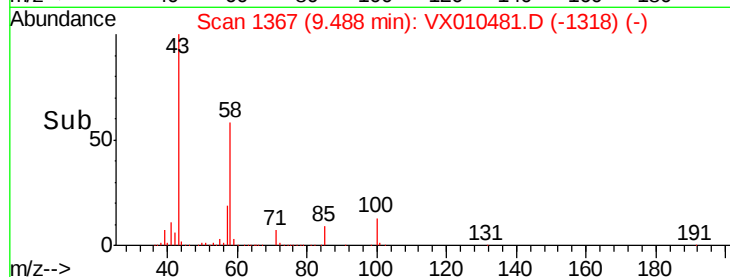
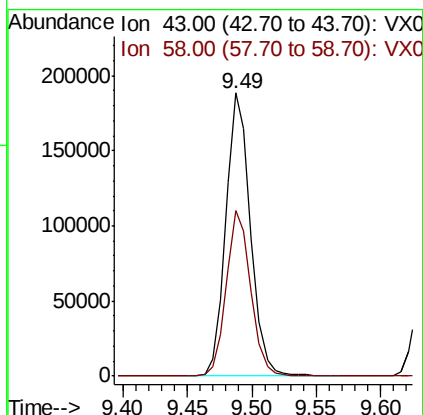
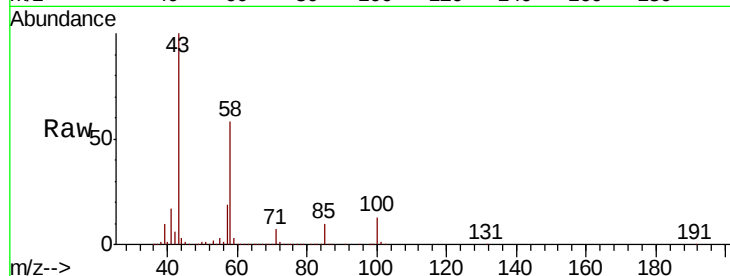




#59
2-Hexanone
Concen: 99.346 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

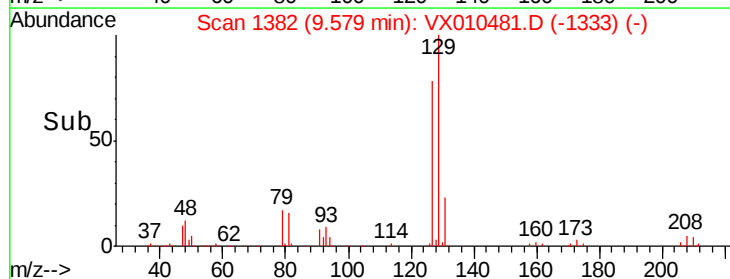
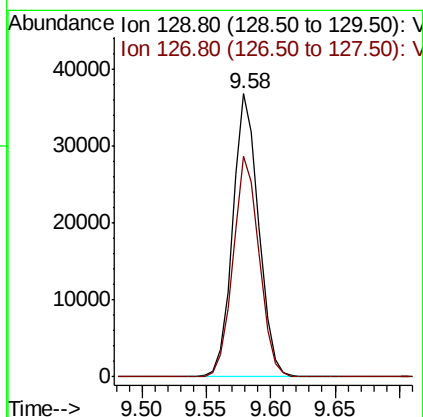
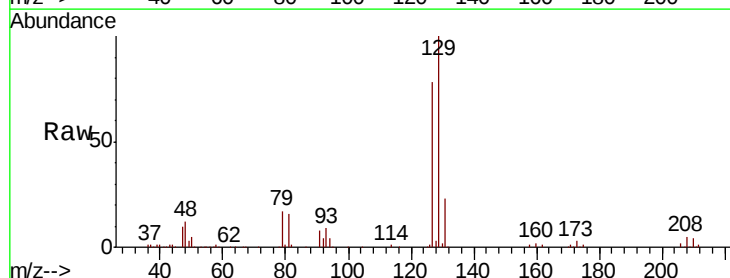
Instrument :
MSVOA_X
ClientSampleId :

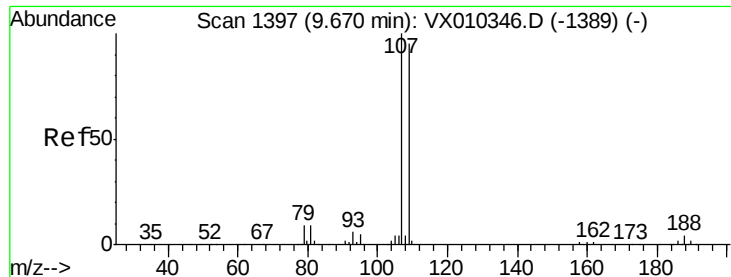
Tot Ion: 43 Resp: 252733
Ion Ratio Lower Upper
43 100
58 58.6 29.0 87.1



#60
Dibromochloromethane
Concen: 18.303 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion: 129 Resp: 51490
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.382 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

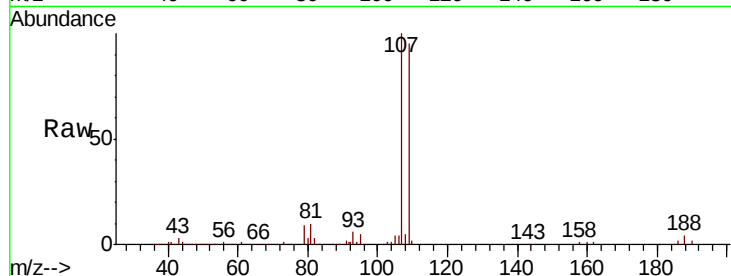
ClientSampleId :

Tot Ion:107 Resp: 52564

Ion Ratio Lower Upper

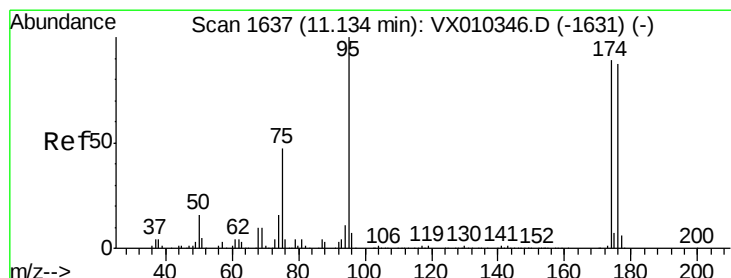
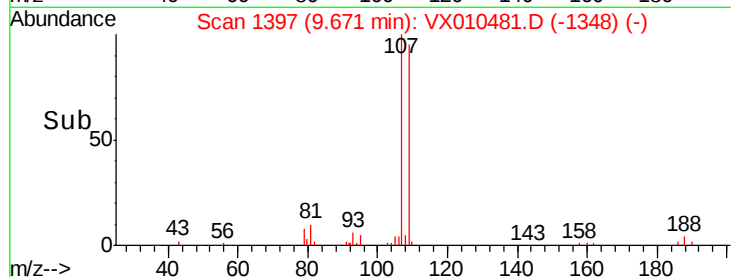
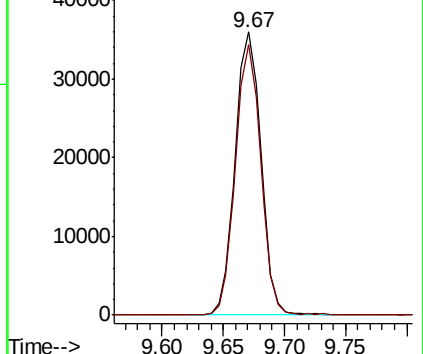
107 100

109 93.5 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.399 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

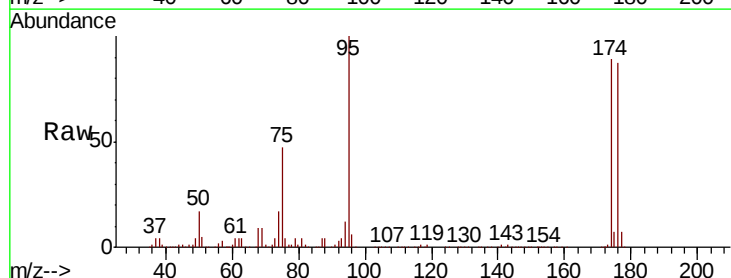
Tgt Ion: 95 Resp: 152834

Ion Ratio Lower Upper

95 100

174 95.7 0.0 187.6

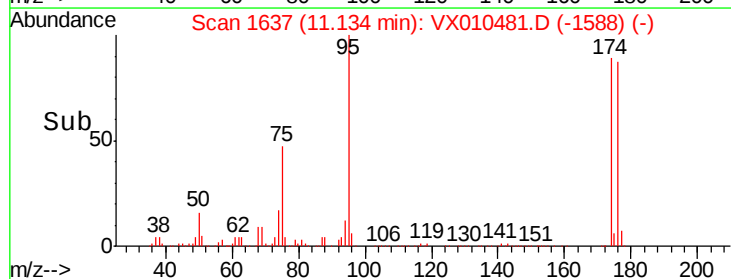
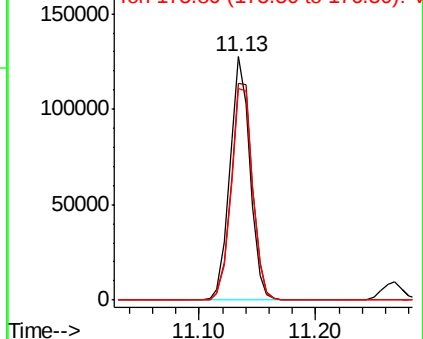
176 93.0 0.0 184.0

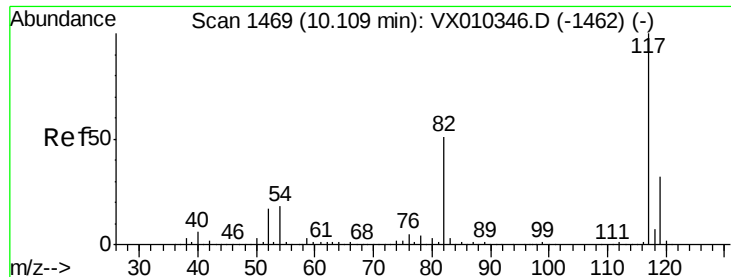


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

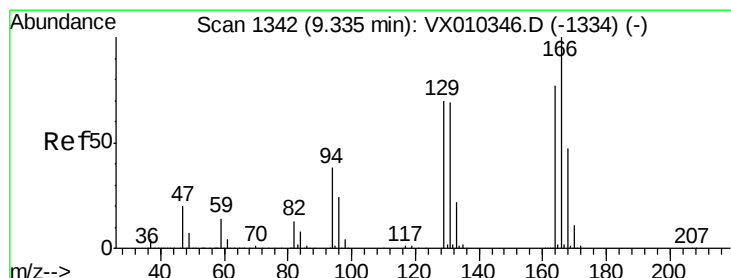
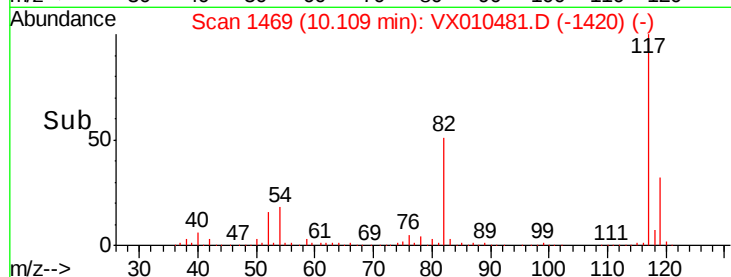
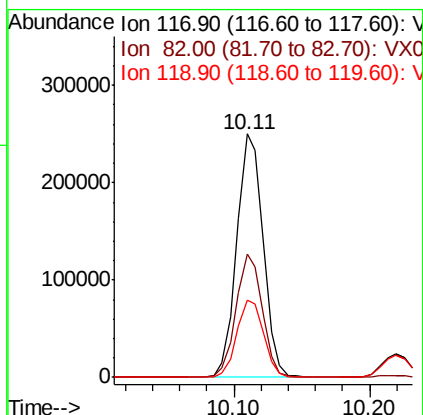
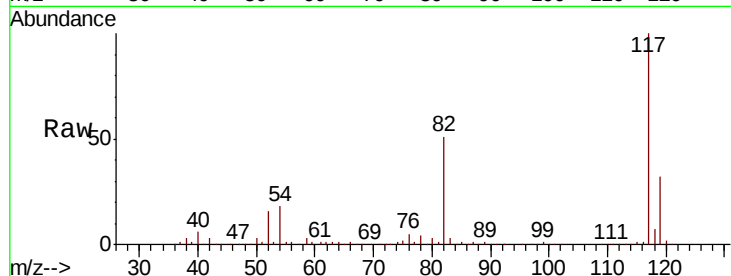




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

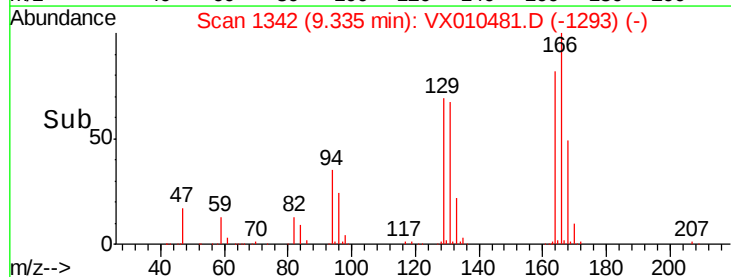
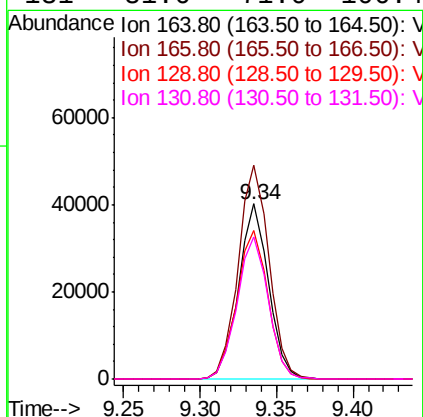
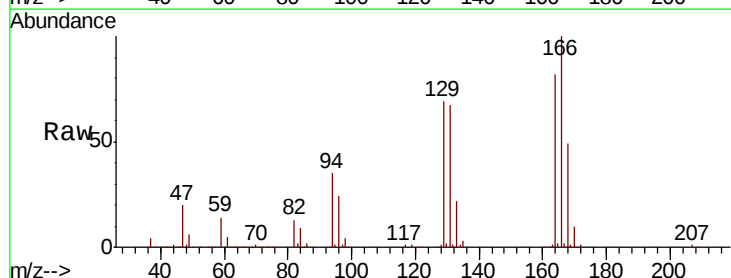
Instrument :
MSVOA_X
ClientSampleId :

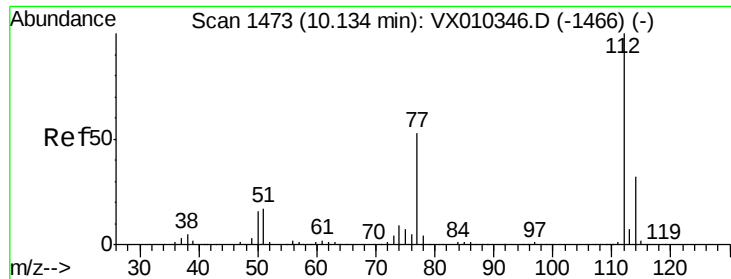
Tot Ion:117 Resp: 337753
Ion Ratio Lower Upper
117 100
82 50.5 41.2 61.8
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 19.961 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion:164 Resp: 54530
Ion Ratio Lower Upper
164 100
166 122.2 103.6 155.4
129 84.9 73.0 109.4
131 81.6 71.0 106.4

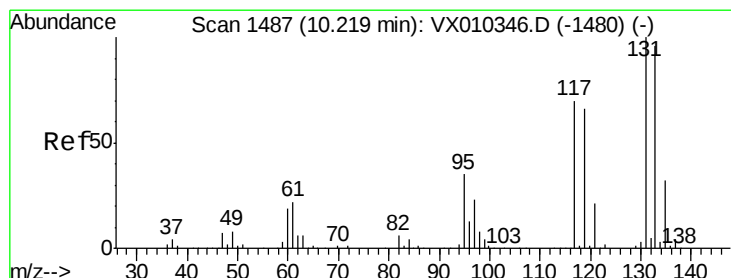
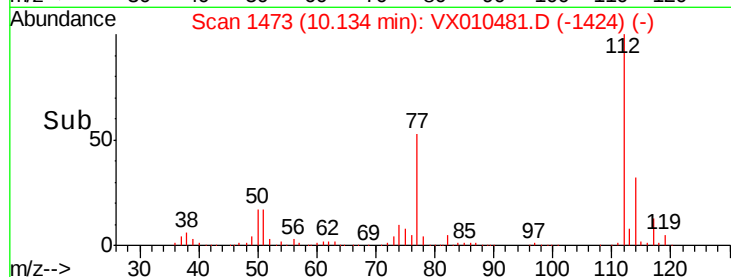
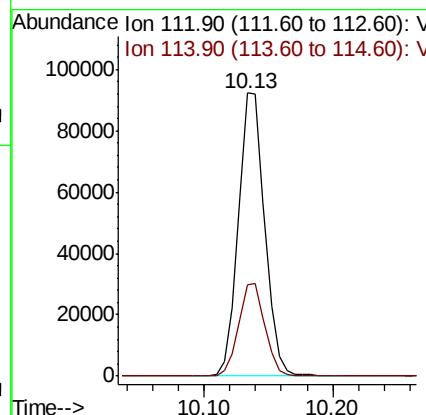
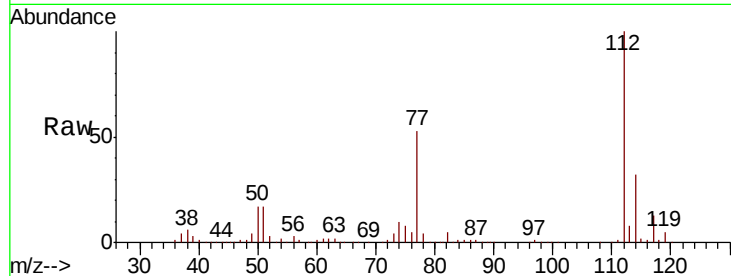




#65
Chlorobenzene
Concen: 19.213 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

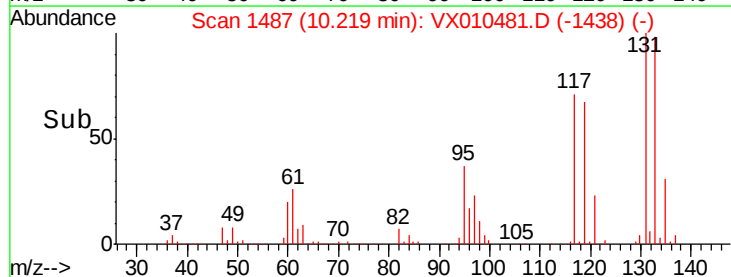
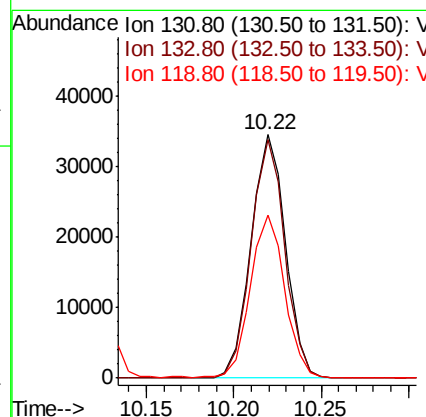
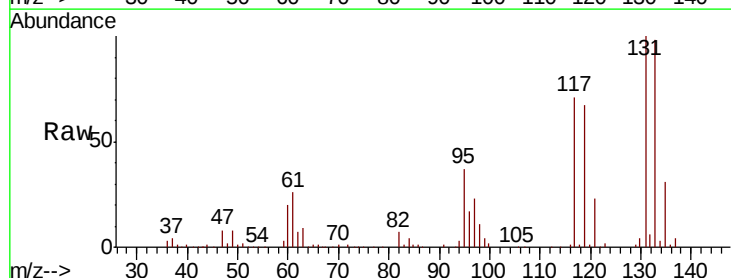
Instrument :
MSVOA_X
ClientSampleId :

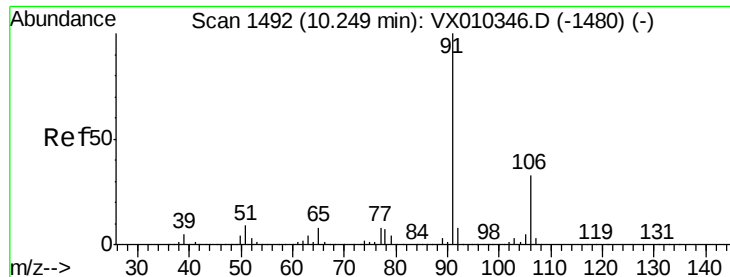
Tot Ion:112 Resp: 131744
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 18.989 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion:131 Resp: 47428
Ion Ratio Lower Upper
131 100
133 96.1 47.7 143.1
119 66.9 32.6 97.7

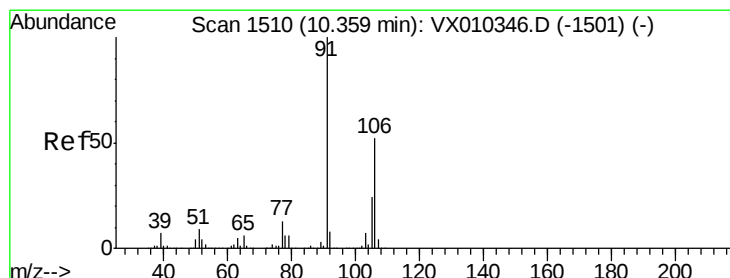
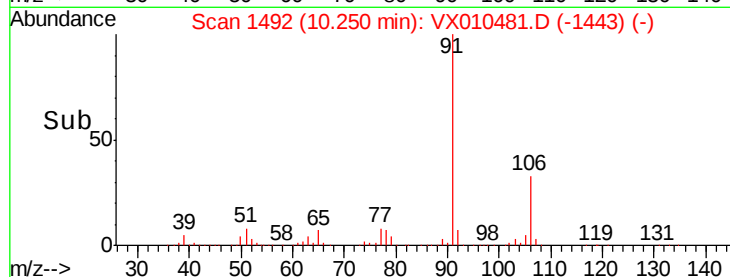
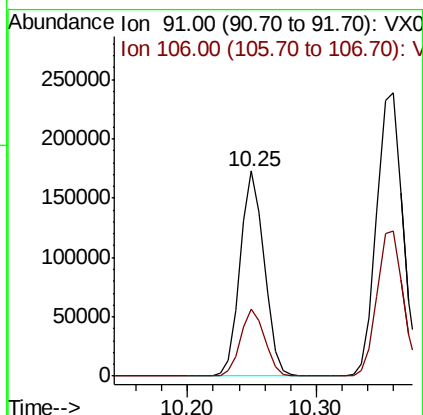
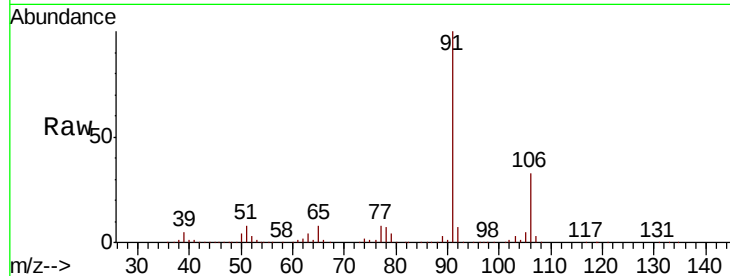




#67
Ethyl Benzene
Concen: 19.307 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

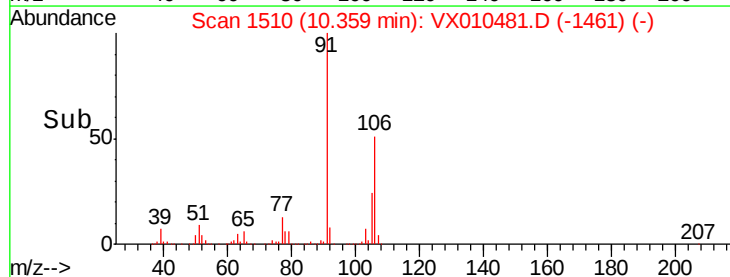
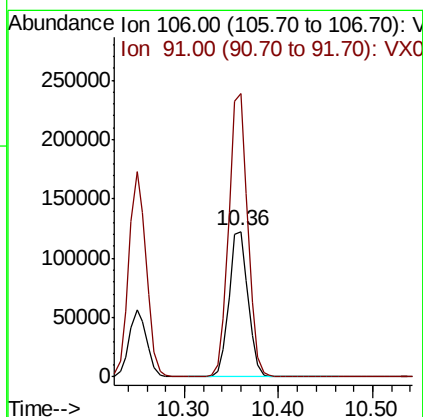
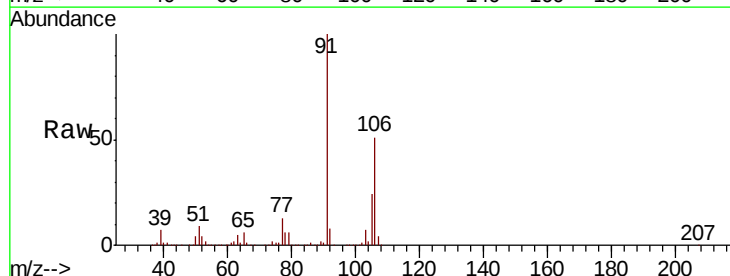
Instrument :
MSVOA_X
ClientSampleId :

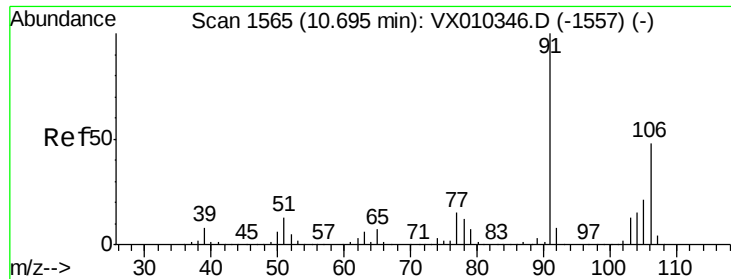
Tot Ion: 91 Resp: 223504
Ion Ratio Lower Upper
91 100
106 32.8 26.2 39.2



#68
m/p-Xylenes
Concen: 38.143 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion: 106 Resp: 171091
Ion Ratio Lower Upper
106 100
91 194.8 155.3 232.9

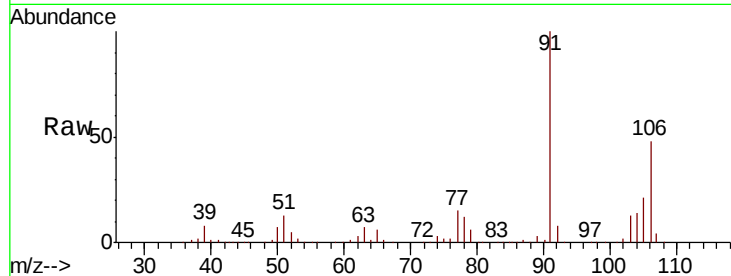




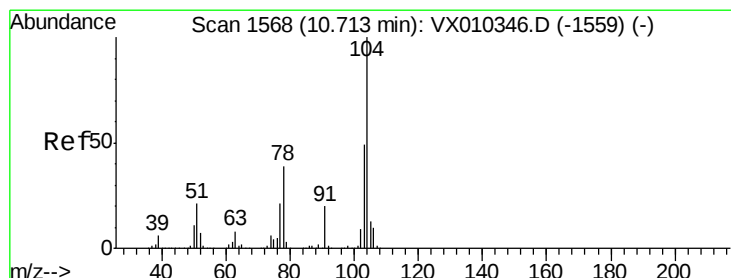
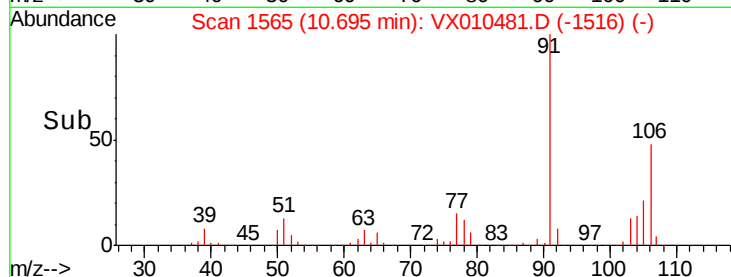
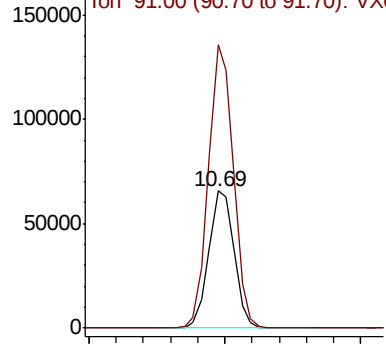
#69
o-Xylene
Concen: 19.283 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 85060
Ion Ratio Lower Upper
106 100
91 203.0 102.7 308.1

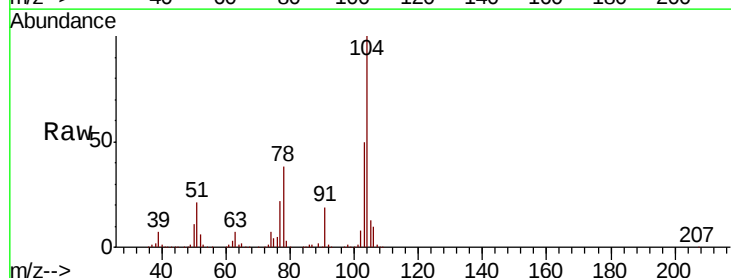


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

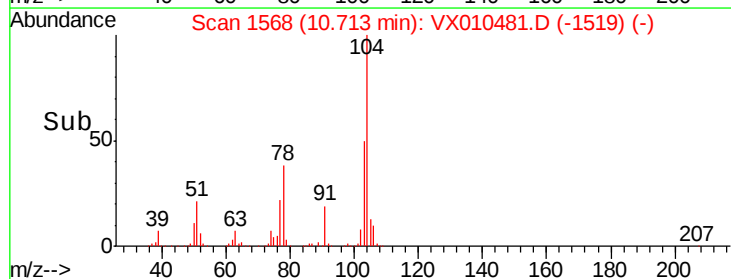
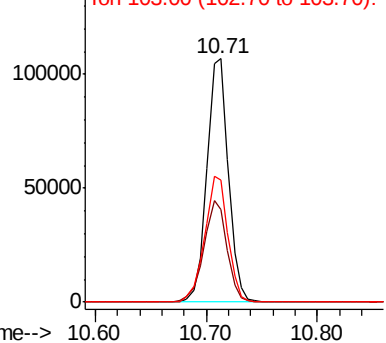


#70
Styrene
Concen: 19.349 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion:104 Resp: 143131
Ion Ratio Lower Upper
104 100
78 44.8 36.2 54.2
103 55.8 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.196 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

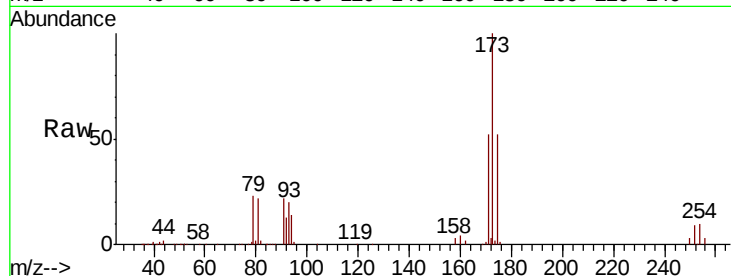
Tot Ion:173 Resp: 39522

Ion Ratio Lower Upper

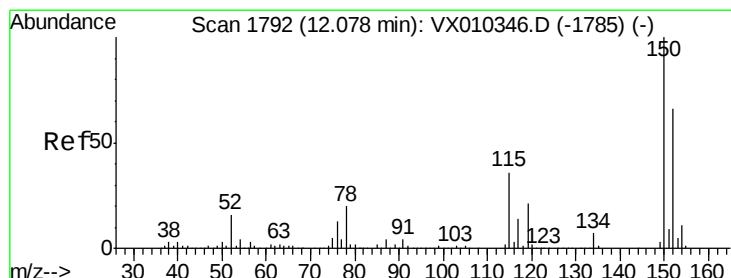
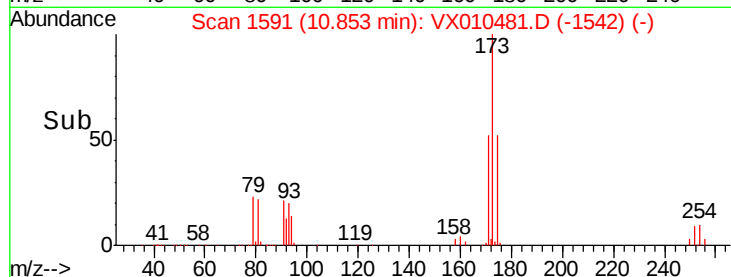
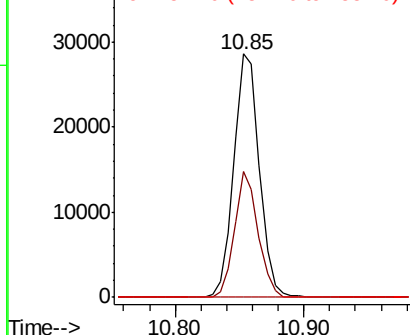
173 100

175 47.3 24.1 72.3

254 0.0 0.2 0.2#



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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

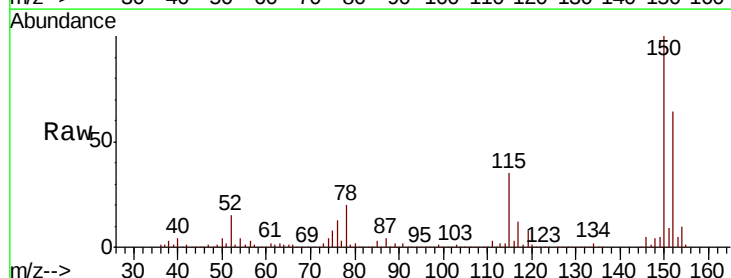
Tgt Ion:152 Resp: 168975

Ion Ratio Lower Upper

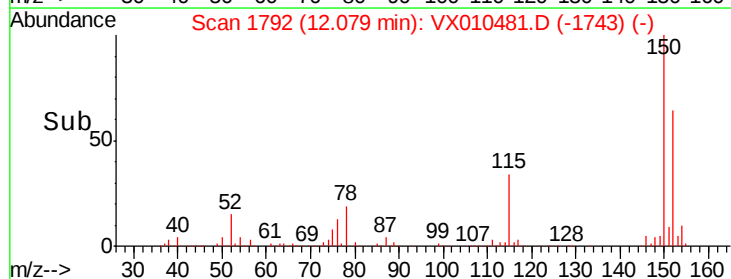
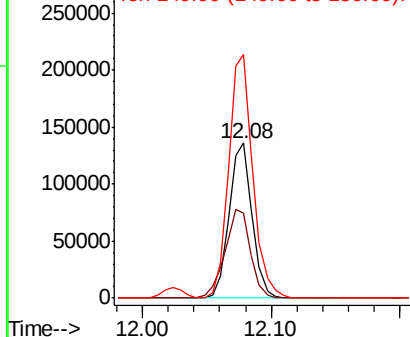
152 100

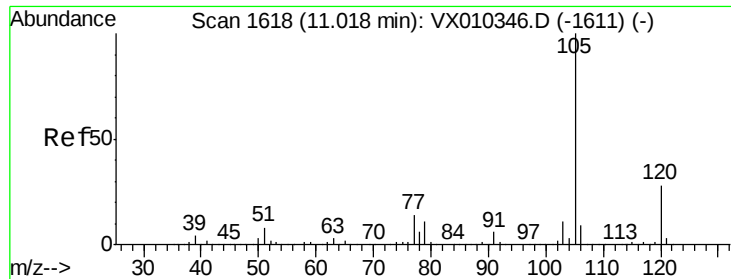
115 64.1 38.6 115.7

150 165.0 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.906 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

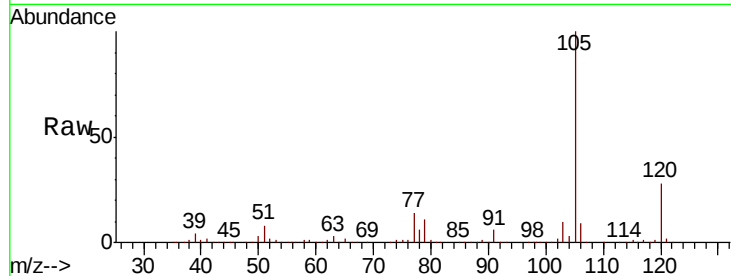
ClientSampleId :

Tot Ion:105 Resp: 228008

Ion Ratio Lower Upper

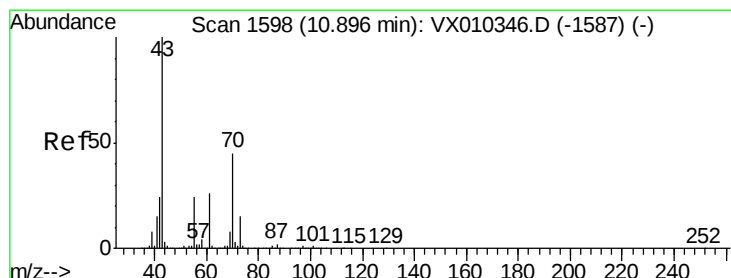
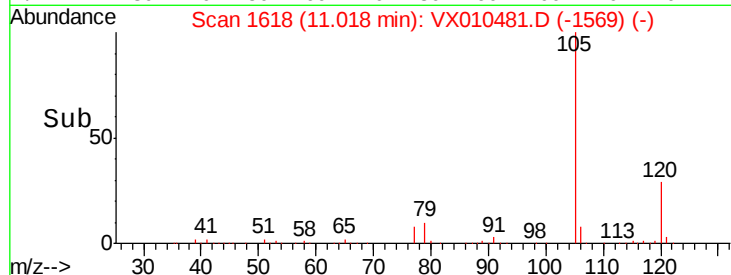
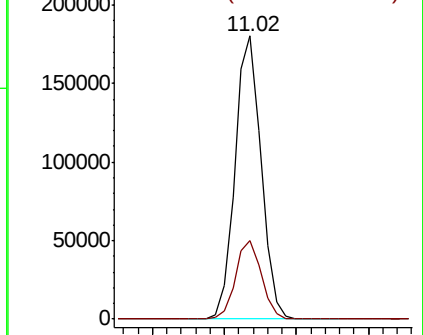
105 100

120 27.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.970 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion: 43 Resp: 86446

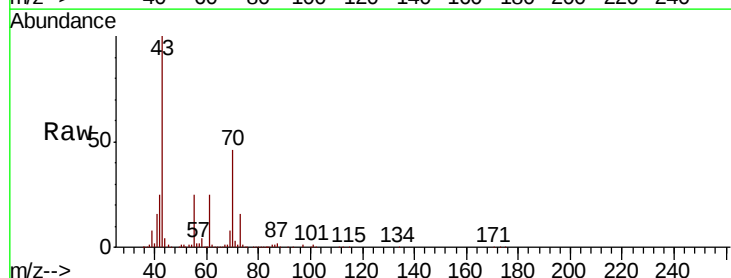
Ion Ratio Lower Upper

43 100

70 45.5 36.6 54.8

55 24.5 18.7 28.1

61 25.2 20.6 31.0

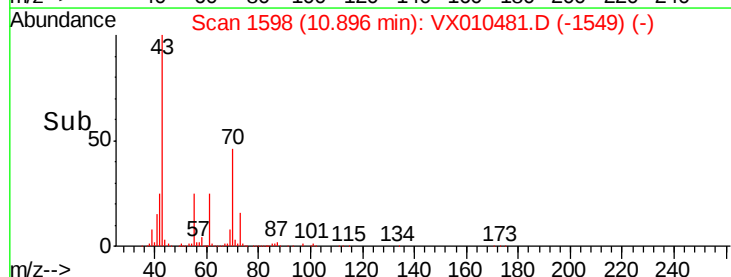
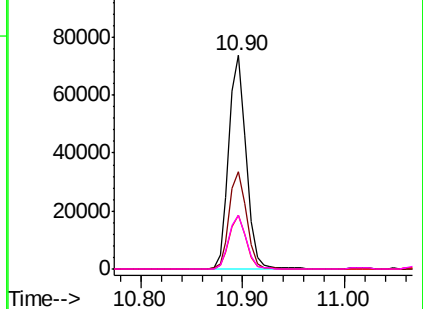


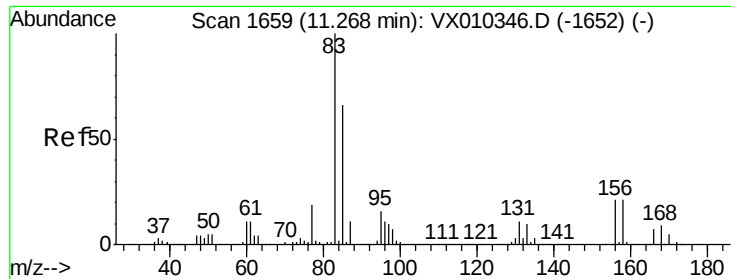
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.354 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

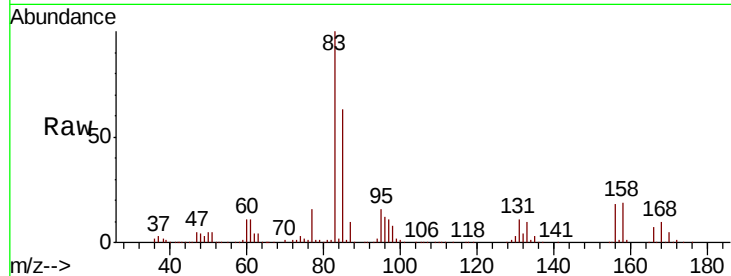
Tot Ion: 83 Resp: 77212

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

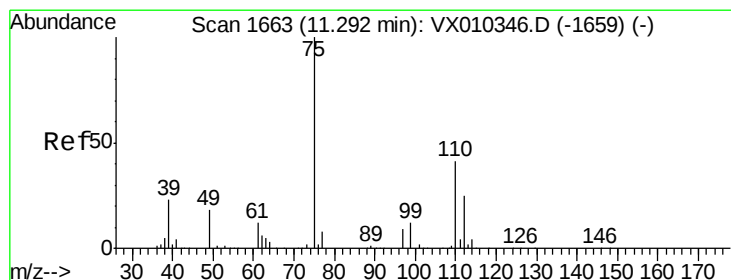
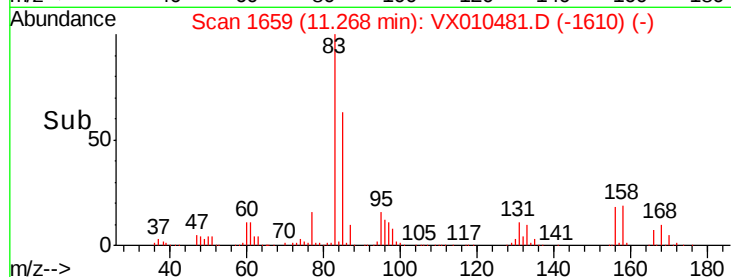
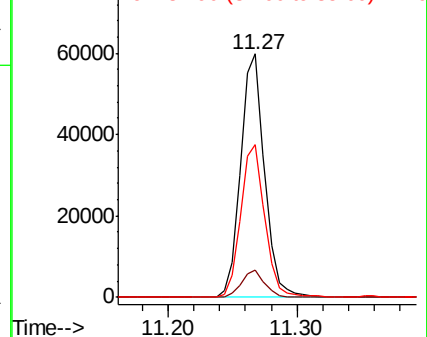
85 63.7 32.3 96.8



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: 26.523 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010481.D

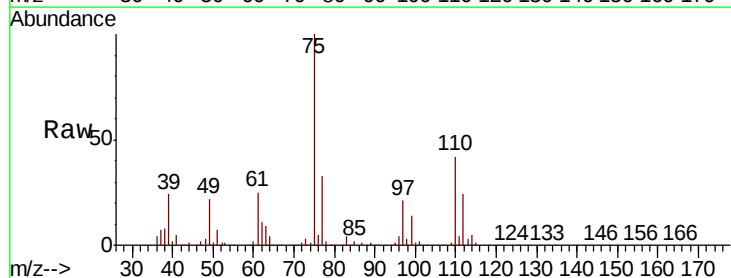
Acq: 27 Jun 2019 12:12

Tgt Ion: 75 Resp: 81668

Ion Ratio Lower Upper

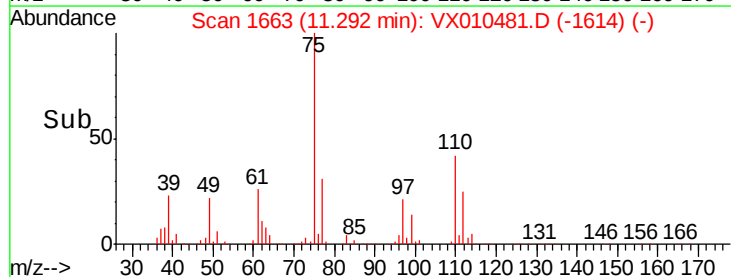
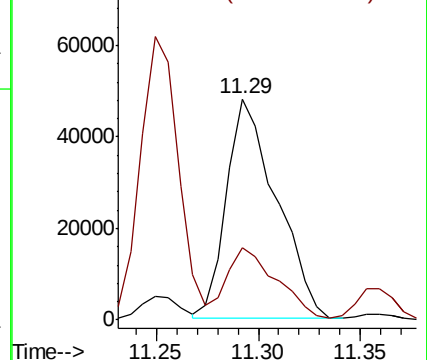
75 100

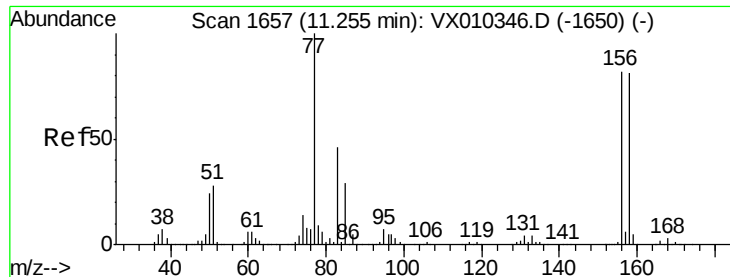
77 33.3 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.354 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

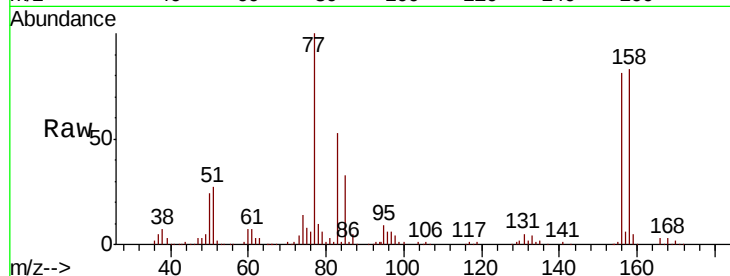
Tot Ion:156 Resp: 61901

Ion Ratio Lower Upper

156 100

77 129.9 66.3 198.7

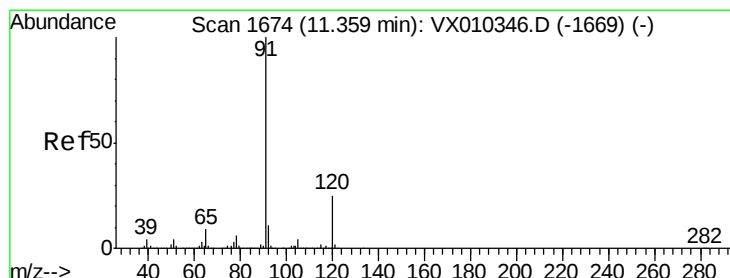
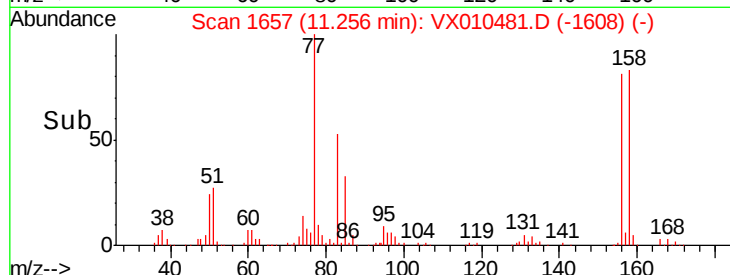
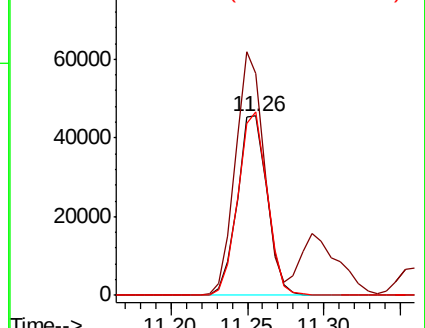
158 99.4 48.9 146.7



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: 19.476 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010481.D

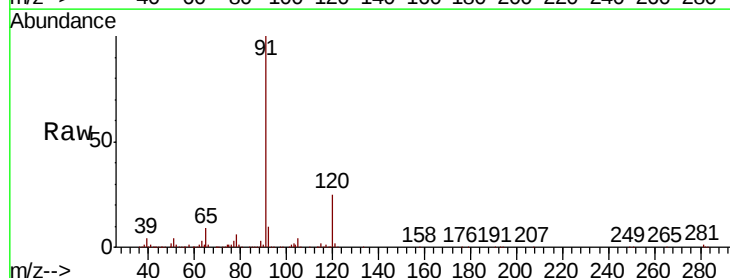
Acq: 27 Jun 2019 12:12

Tgt Ion: 91 Resp: 245185

Ion Ratio Lower Upper

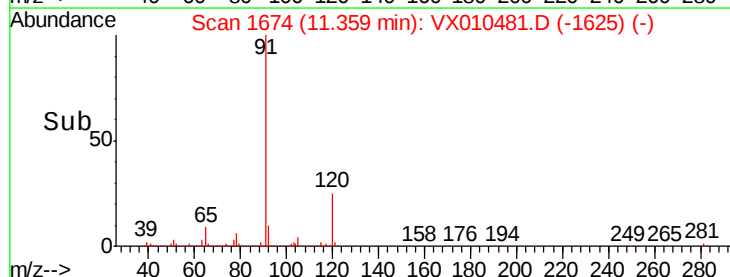
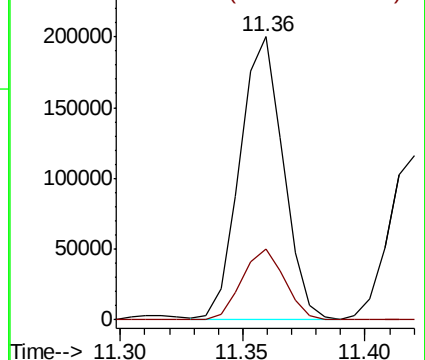
91 100

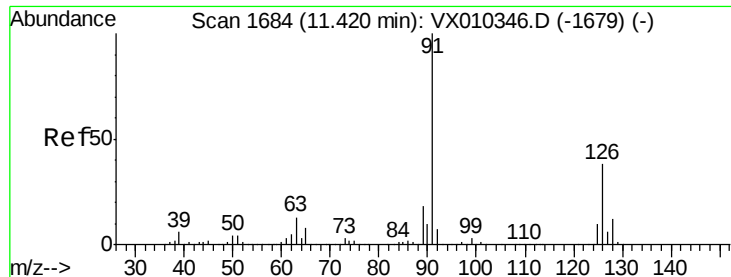
120 25.1 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

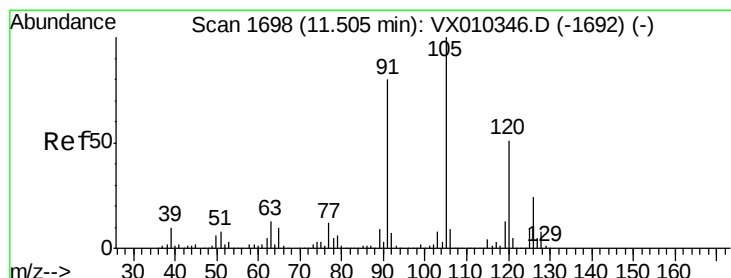
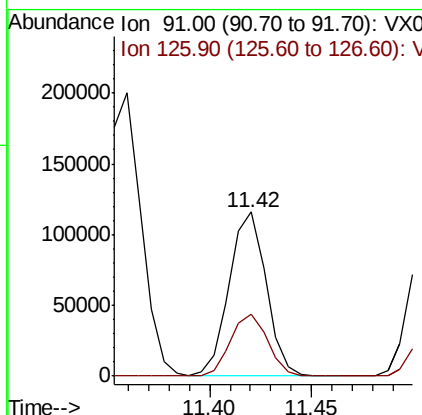
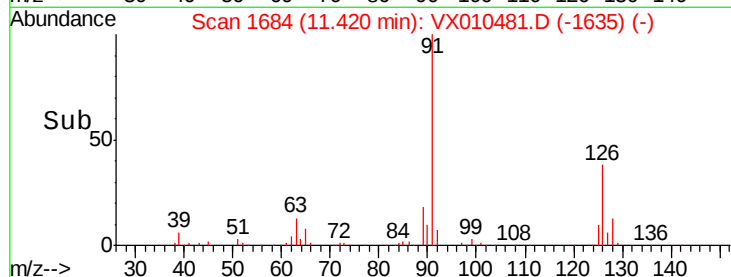
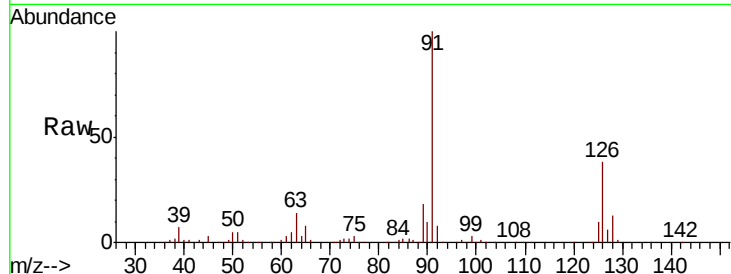




#79
 2-Chlorotoluene
 Concen: 19.374 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

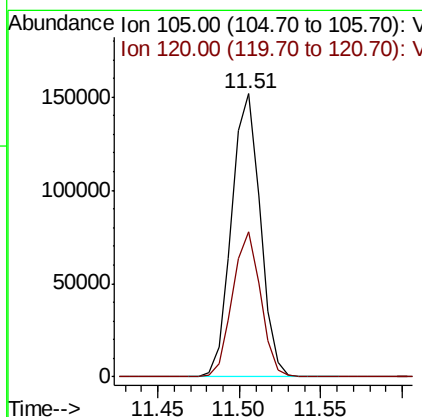
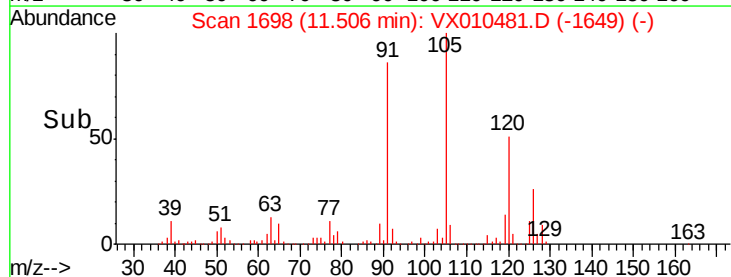
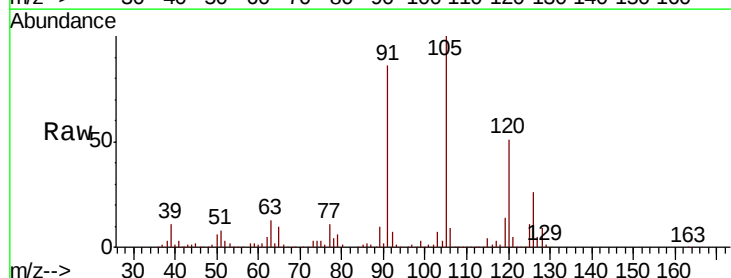
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 91 Resp: 145233
 Ion Ratio Lower Upper
 91 100
 126 38.4 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.633 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Tgt Ion: 105 Resp: 185387
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.930 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

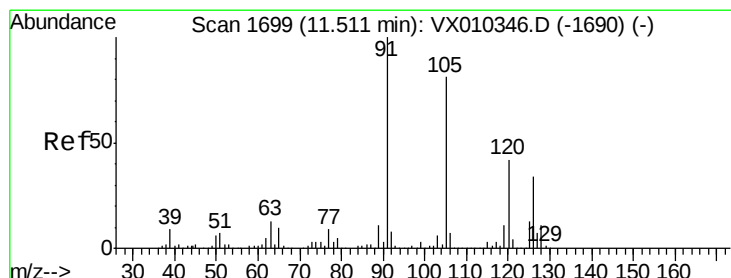
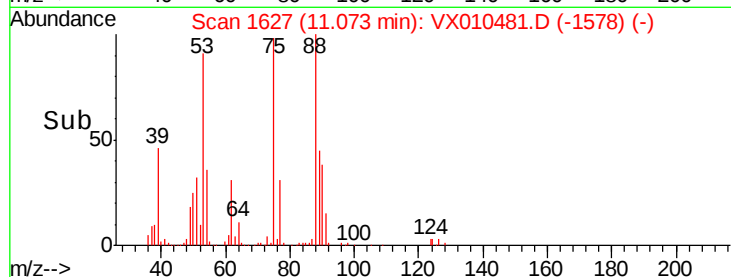
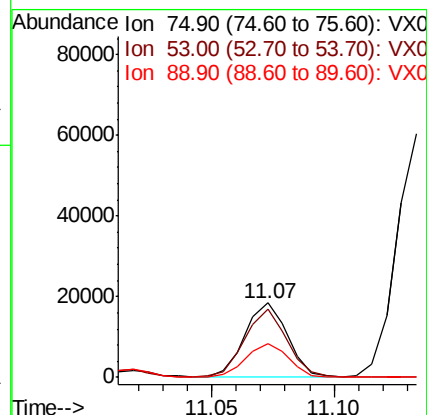
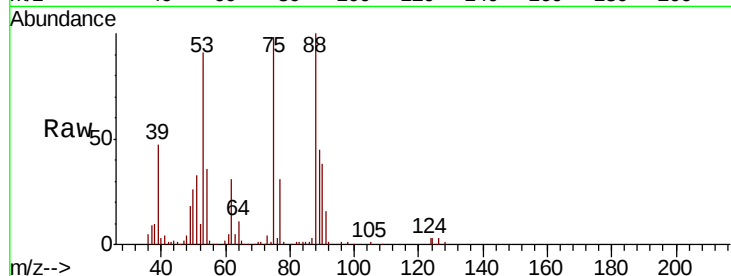
Tot Ion: 75 Resp: 22346

Ion Ratio Lower Upper

75 100

53 90.6 66.1 99.1

89 46.7 37.8 56.6



#82

4-Chlorotoluene

Concen: 19.583 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010481.D

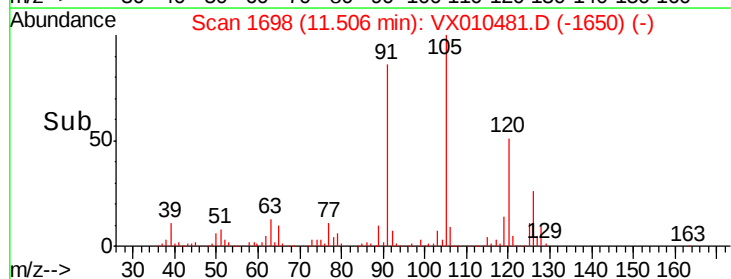
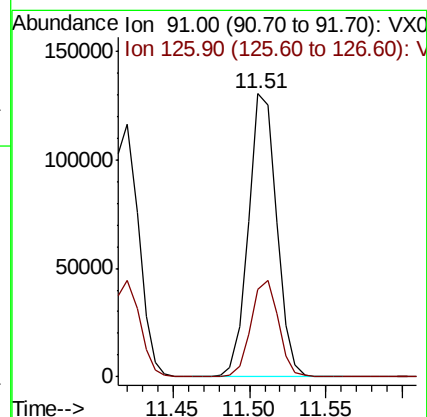
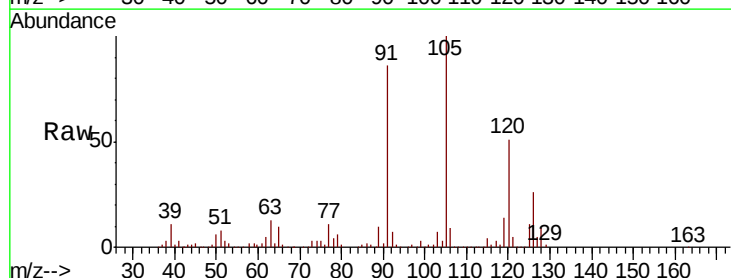
Acq: 27 Jun 2019 12:12

Tgt Ion: 91 Resp: 167043

Ion Ratio Lower Upper

91 100

126 33.4 16.2 48.6





#83

tert-Butylbenzene

Concen: 19.652 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampled :

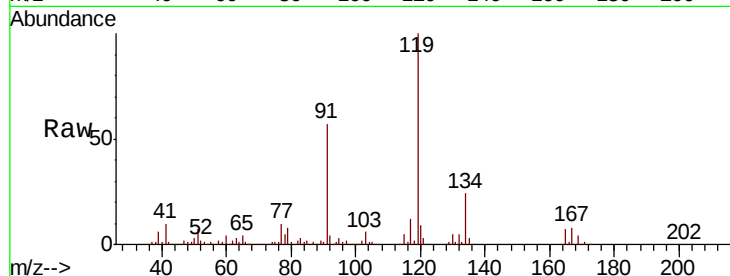
Tot Ion:119 Resp: 186250

Ion Ratio Lower Upper

119 100

91 55.0 27.6 82.7

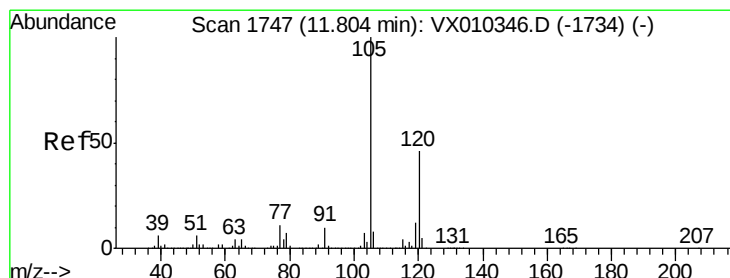
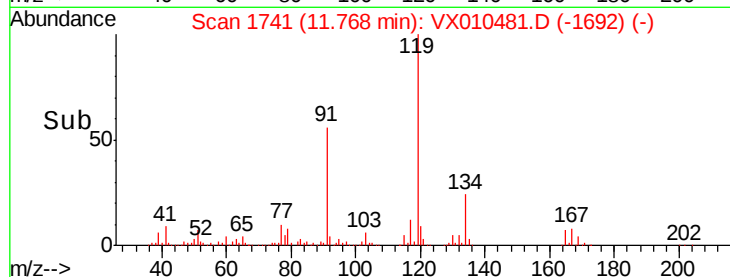
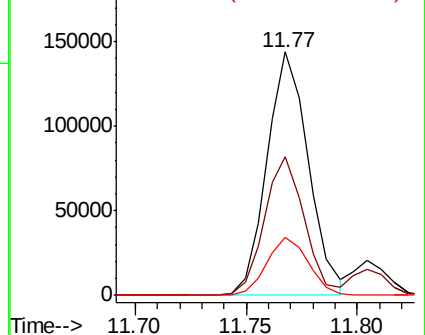
134 23.8 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.812 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010481.D

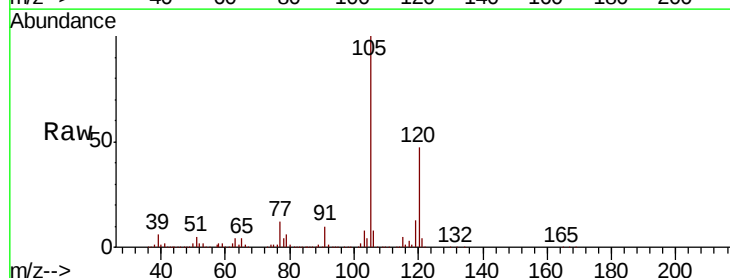
Acq: 27 Jun 2019 12:12

Tgt Ion:105 Resp: 187955

Ion Ratio Lower Upper

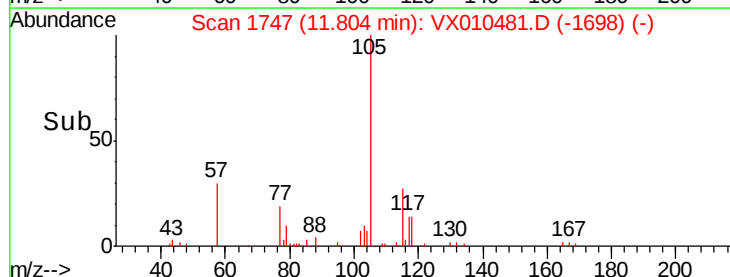
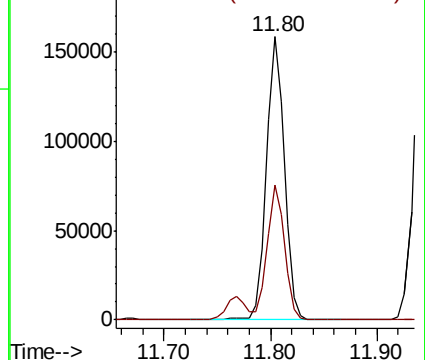
105 100

120 45.5 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.615 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

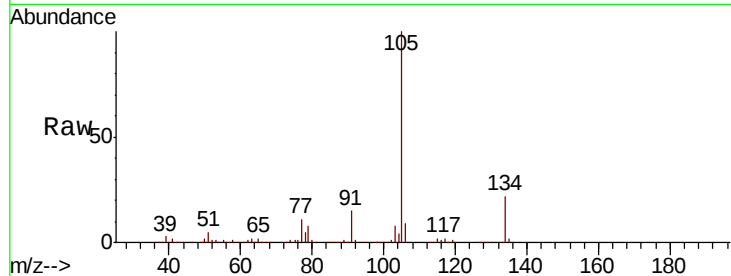
ClientSampleId :

Tot Ion:105 Resp: 218278

Ion Ratio Lower Upper

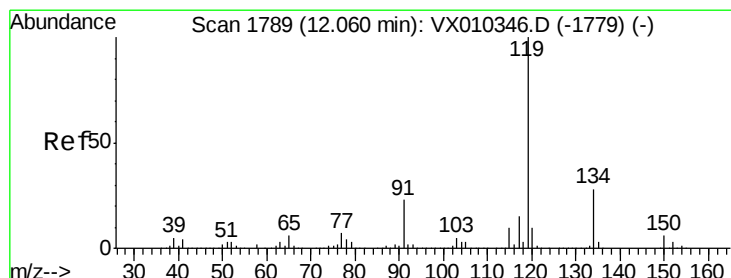
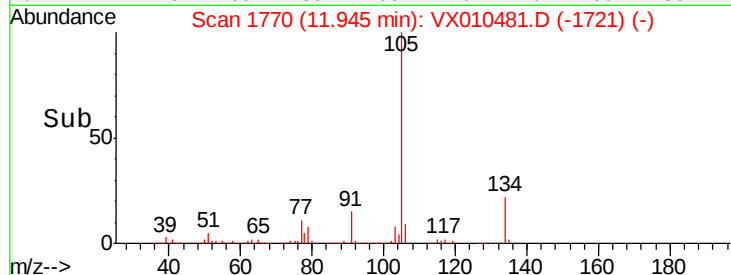
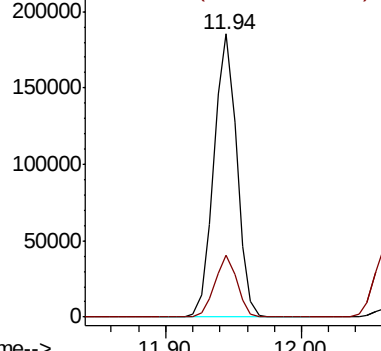
105 100

134 21.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.566 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

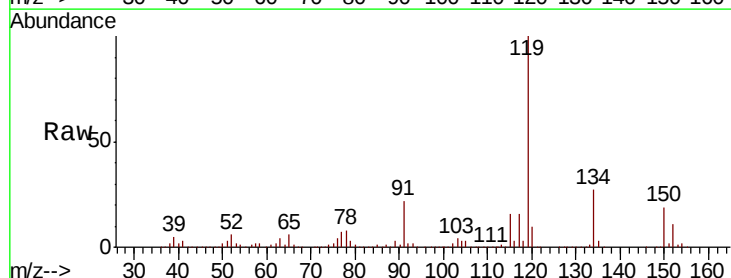
Tgt Ion:119 Resp: 201397

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

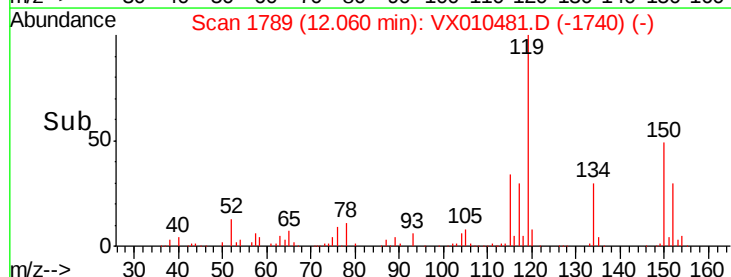
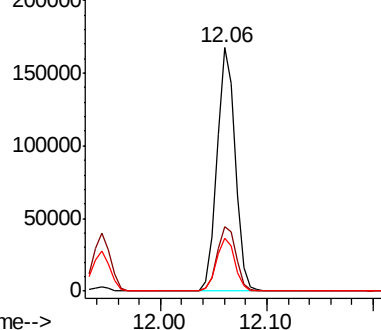
91 22.2 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

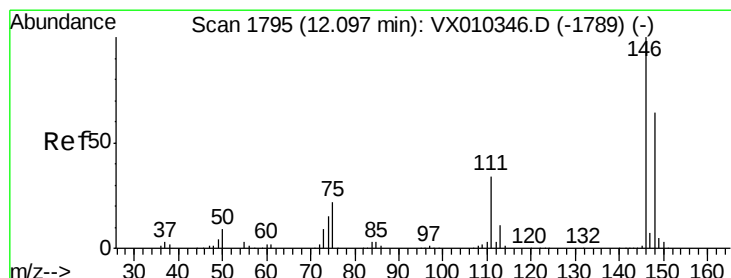
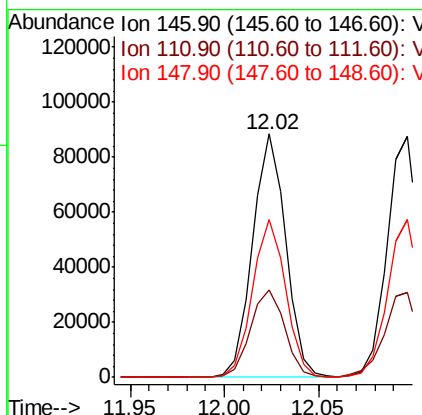
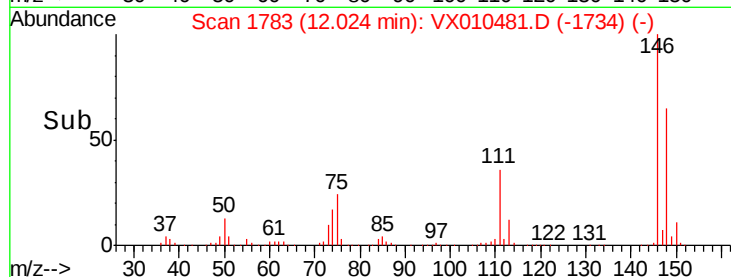
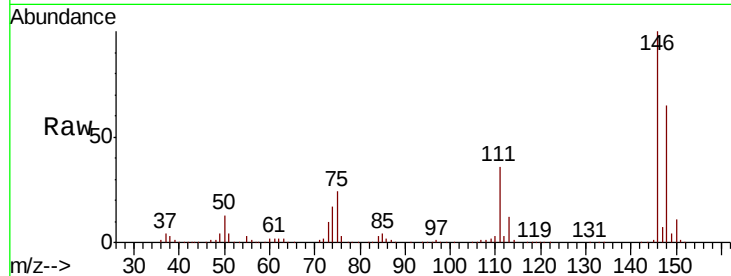




#87
 1,3-Dichlorobenzene
 Concen: 19.325 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

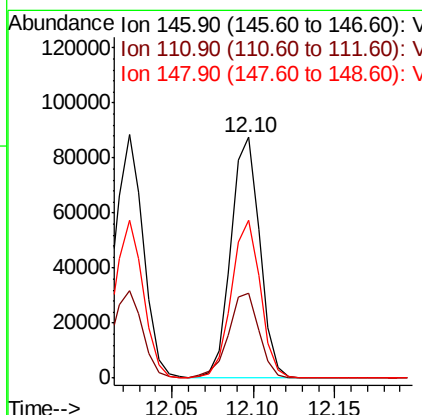
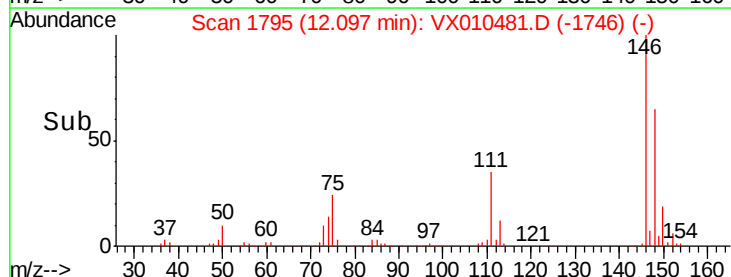
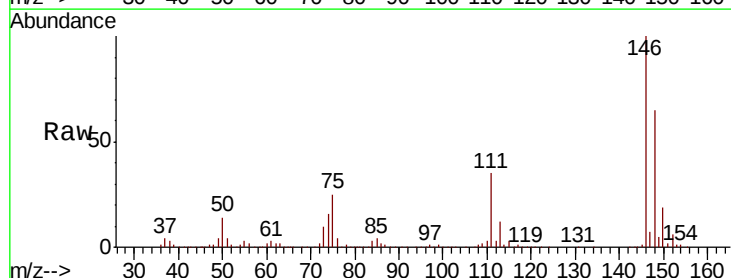
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:146 Resp: 107891
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.1 57.1
 148 64.6 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 18.922 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Tgt Ion:146 Resp: 107547
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.1 54.3
 148 66.0 32.1 96.3

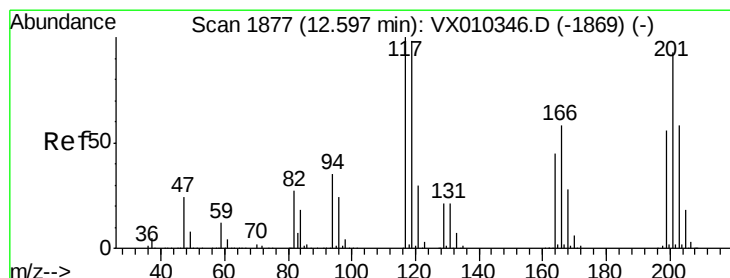
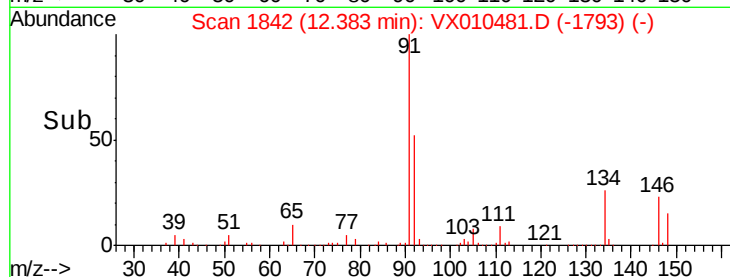
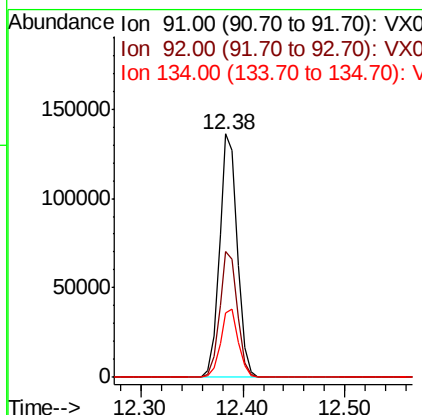
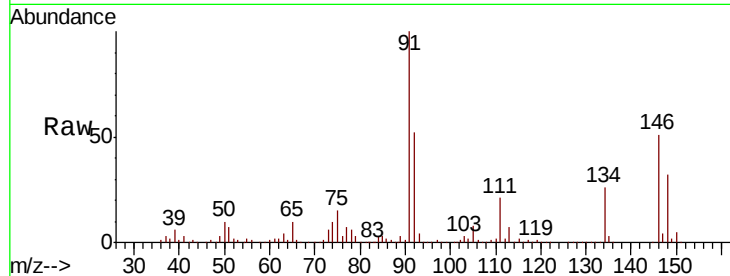




#89
n-Butylbenzene
Concen: 19.002 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

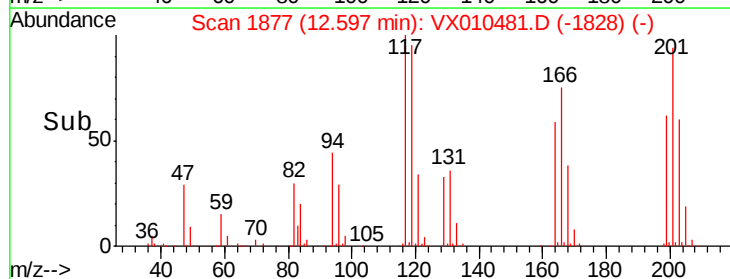
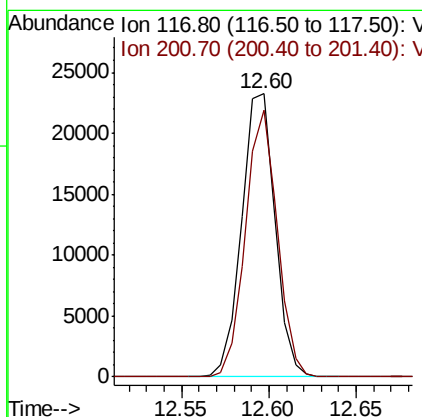
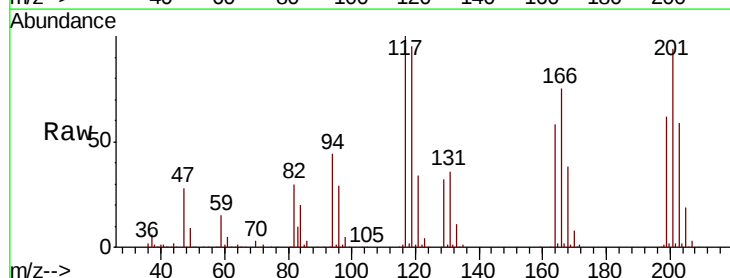
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 166199
Ion Ratio Lower Upper
91 100
92 51.5 26.2 78.5
134 27.9 14.1 42.4



#90
Hexachloroethane
Concen: 17.366 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion: 117 Resp: 30908
Ion Ratio Lower Upper
117 100
201 89.2 44.0 131.8

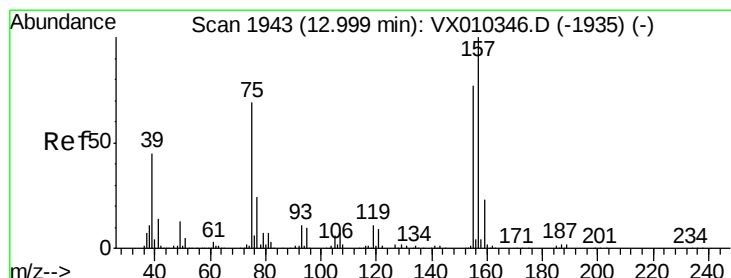
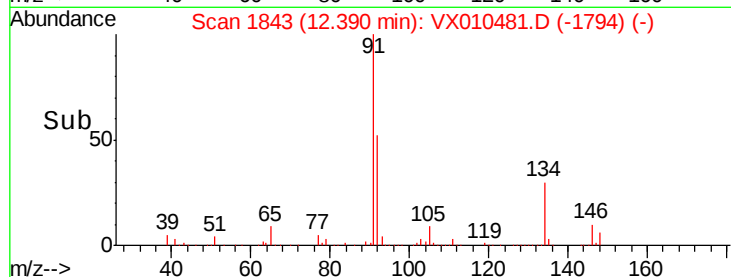
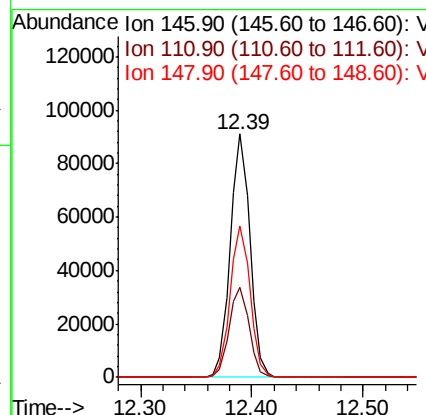
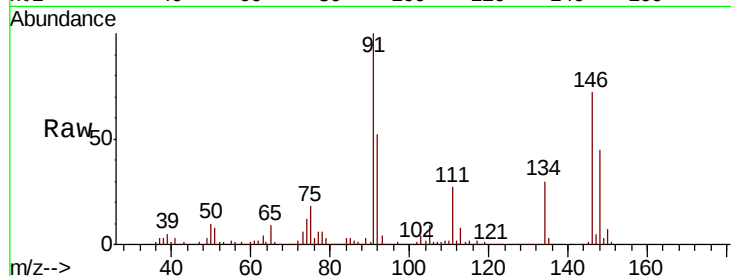




#91
 1,2-Dichlorobenzene
 Concen: 20.074 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

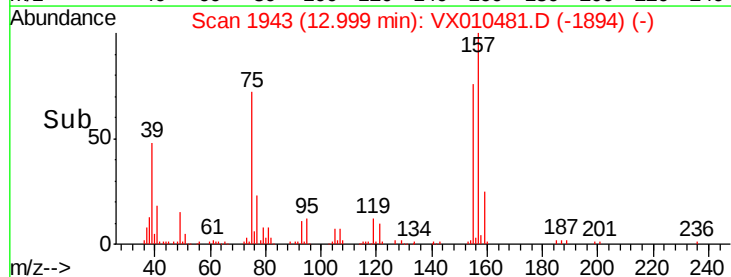
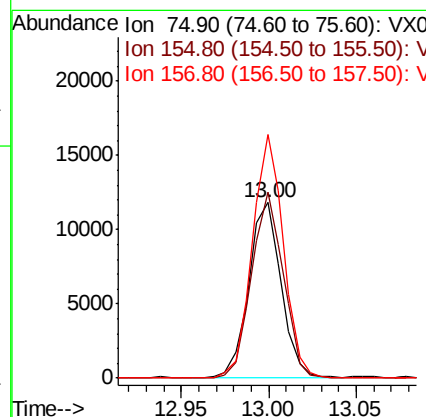
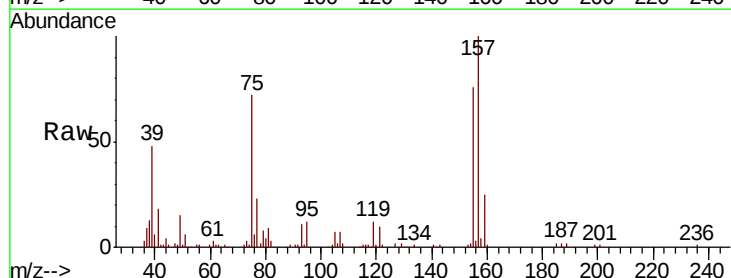
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 111388
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.2 57.6
 148 63.5 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.700 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Tgt Ion: 75 Resp: 15294
 Ion Ratio Lower Upper
 75 100
 155 103.2 54.4 163.1
 157 132.0 69.5 208.3

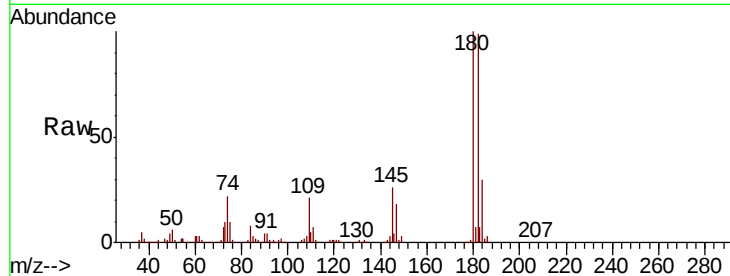




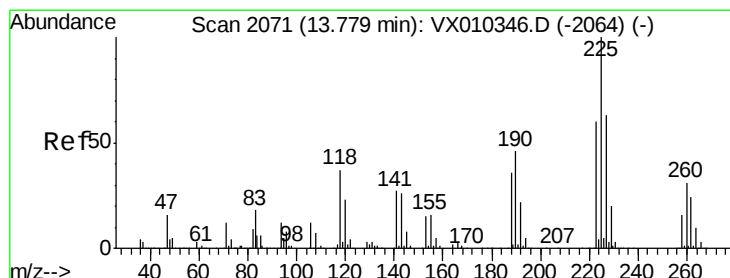
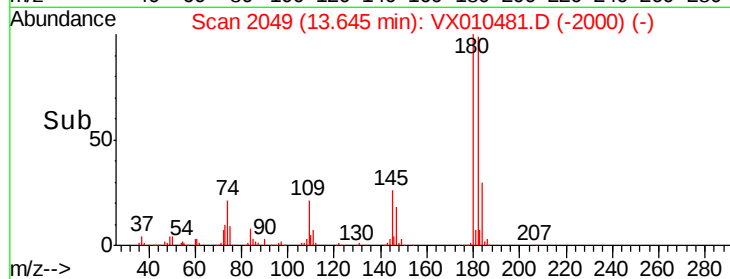
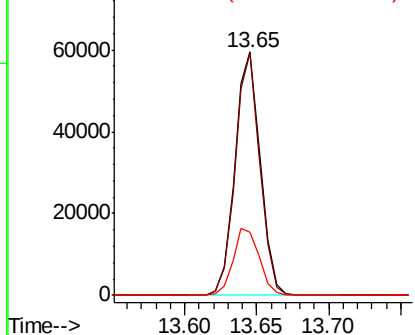
#93
 1,2,4-Trichlorobenzene
 Concen: 18.990 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 73073
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.0 144.0
 145 28.3 14.4 43.4

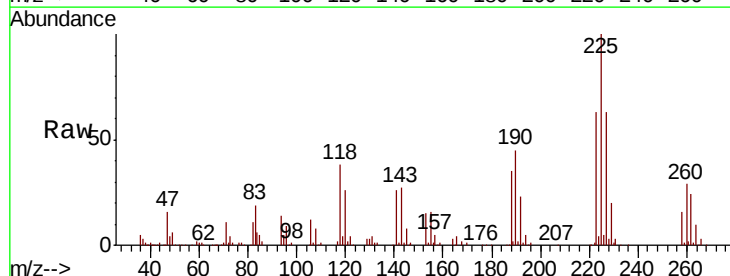


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

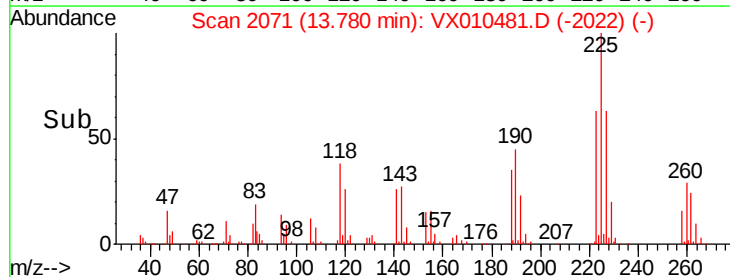
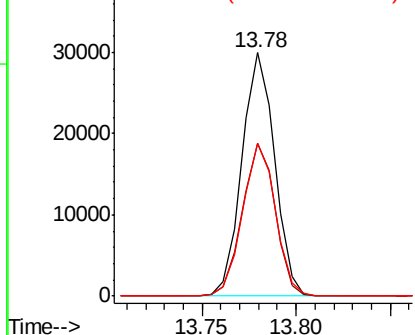


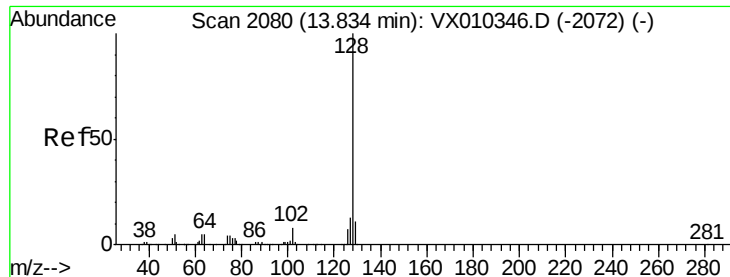
#94
 Hexachlorobutadiene
 Concen: 19.154 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Tgt Ion:225 Resp: 36022
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.9 92.7
 227 63.1 31.9 95.5



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: 19.367 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

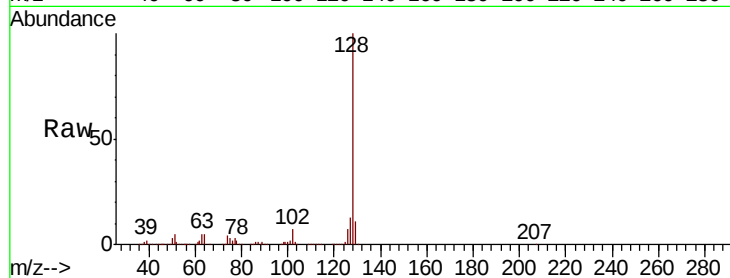
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 229019

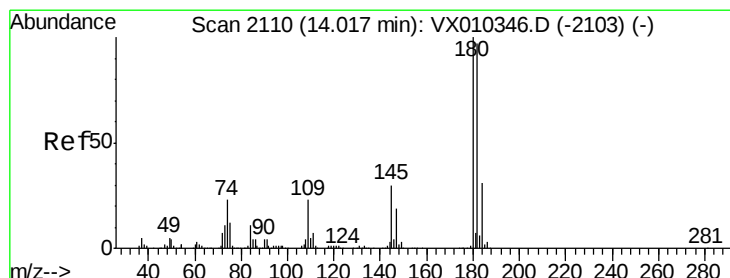
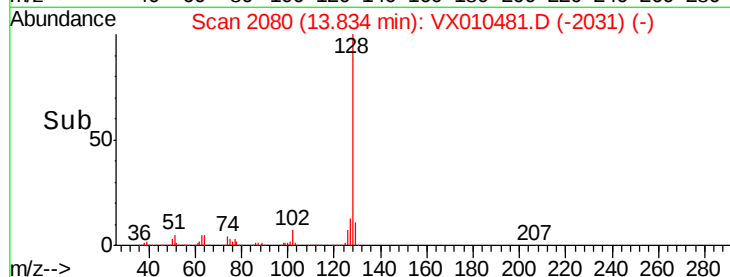
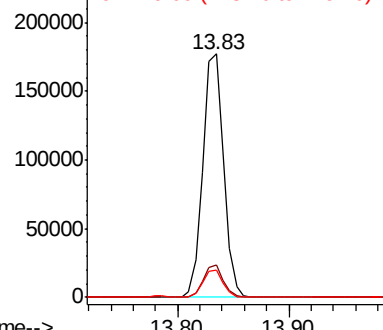
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.0	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.689 ug/l

RT: 14.02 min Scan# 2110

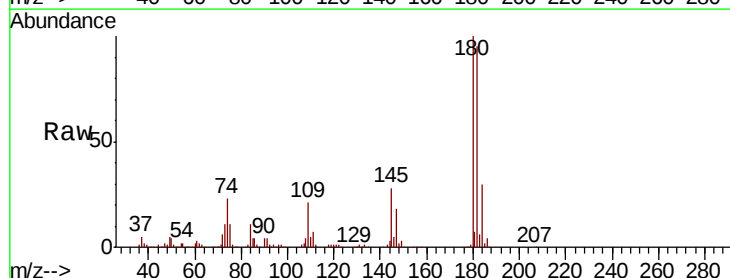
Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion:180 Resp: 75327

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.3
145	29.8	15.2	45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

