

Data File : VX012246.D
Acq On : 10 Sep 2019 09:34
Operator : SY/SP
Sample : VSTDIC010
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Quant Time: Sep 10 11:10:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	161615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	287248	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	22061	9.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.34%	
35) Dibromofluoromethane	5.48	113	19019	9.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.76%	
50) Toluene-d8	8.71	98	59690	8.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.74%	
62) 4-Bromofluorobenzene	11.14	95	31597	10.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	13835	10.708	ug/l	98
3) Chloromethane	1.31	50	11827	9.498	ug/l	96
4) Vinyl Chloride	1.39	62	11714	9.823	ug/l	96
5) Bromomethane	1.62	94	6431	14.875	ug/l	93
6) Chloroethane	1.71	64	7692	10.275	ug/l	99
7) Trichlorofluoromethane	1.92	101	21685	10.690	ug/l	97
8) Diethyl Ether	2.17	74	7064	7.836	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	15016	9.937	ug/l	99
10) Methyl Iodide	2.50	142	11633	7.839	ug/l	100
11) Tert butyl alcohol	3.03	59	19603	87.601	ug/l	97
12) 1,1-Dichloroethene	2.36	96	12703	9.981	ug/l	93
13) Acrolein	2.28	56	5655	41.684	ug/l	97
14) Allyl chloride	2.72	41	23148	8.813	ug/l	97
15) Acrylonitrile	3.13	53	20945	42.041	ug/l	98
16) Acetone	2.43	43	27424	53.913	ug/l	94
17) Carbon Disulfide	2.55	76	25185	9.615	ug/l	97
18) Methyl Acetate	2.76	43	10658	8.246	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	45632	8.716	ug/l	96
20) Methylene Chloride	2.84	84	19515	9.143	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	14235	9.240	ug/l	95
22) Diisopropyl ether	3.84	45	54104	8.835	ug/l #	87
23) Vinyl Acetate	3.80	43	160512	42.934	ug/l	98
24) 1,1-Dichloroethane	3.69	63	29273	8.955	ug/l	99
25) 2-Butanone	4.66	43	33102	47.466	ug/l	94
26) 2,2-Dichloropropane	4.57	77	28039	9.249	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	18030	8.883	ug/l	99
28) Bromochloromethane	5.00	49	13658	9.110	ug/l	98
29) Tetrahydrofuran	5.11	42	16801	39.723	ug/l	95
30) Chloroform	5.19	83	33753	9.025	ug/l	93
31) Cyclohexane	5.56	56	20946	9.528	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	29354	9.476	ug/l	98
36) 1,1-Dichloropropene	5.78	75	21309	9.642	ug/l	98
37) Ethyl Acetate	4.83	43	11476	7.861	ug/l #	90
38) Carbon Tetrachloride	5.76	117	24284	9.594	ug/l	86

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VSTDIC010

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	23127	9.944	ug/l	98
40) Benzene	6.13	78	62236	9.282	ug/l	93
41) Methacrylonitrile	5.03	41	7471	8.291	ug/l	96
42) 1,2-Dichloroethane	6.19	62	24397	9.004	ug/l	98
43) Isopropyl Acetate	6.44	43	25009	8.275	ug/l	98
44) Trichloroethene	7.20	130	17029	9.417	ug/l	99
45) 1,2-Dichloropropane	7.50	63	16863	8.910	ug/l	92
46) Dibromomethane	7.66	93	9099	8.453	ug/l	97
47) Bromodichloromethane	7.89	83	23703	8.227	ug/l	96
48) Methyl methacrylate	7.76	41	12072	8.312	ug/l	99
49) 1,4-Dioxane	7.74	88	3110	152.571	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	65921	41.922	ug/l	100
52) Toluene	8.78	92	41621	9.345	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	23715	8.256	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	27547	8.790	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	14138	8.654	ug/l	97
56) Ethyl methacrylate	9.17	69	18324	8.023	ug/l	99
57) 1,3-Dichloropropane	9.37	76	23935	8.571	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	48825	45.017	ug/l	98
59) 2-Hexanone	9.49	43	44602	39.923	ug/l	99
60) Dibromochloromethane	9.57	129	15032	7.758	ug/l	94
61) 1,2-Dibromoethane	9.67	107	12878	8.454	ug/l	98
64) Tetrachloroethene	9.33	164	13608	9.175	ug/l	98
65) Chlorobenzene	10.14	112	46447	8.726	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	16938	8.311	ug/l	99
67) Ethyl Benzene	10.25	91	83520	8.946	ug/l	99
68) m/p-Xylenes	10.36	106	61046	17.729	ug/l	98
69) o-Xylene	10.70	106	29983	8.925	ug/l	100
70) Styrene	10.71	104	50220	8.313	ug/l	97
71) Bromoform	10.85	173	8355	7.862	ug/l #	99
73) Isopropylbenzene	11.01	105	83649	9.275	ug/l	99
74) N-amyl acetate	10.89	43	22108	7.661	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	17110	8.441	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	18312	10.416	ug/l	91
77) Bromobenzene	11.25	156	18991	8.810	ug/l	98
78) n-propylbenzene	11.35	91	98672	9.091	ug/l	98
79) 2-Chlorotoluene	11.42	91	62056	9.160	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	73753	9.035	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	4693	7.372	ug/l	94
82) 4-Chlorotoluene	11.51	91	73711	8.888	ug/l	98
83) tert-Butylbenzene	11.76	119	73005	9.224	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	74537	8.829	ug/l	99
85) sec-Butylbenzene	11.94	105	86433	9.291	ug/l	99
86) p-Isopropyltoluene	12.06	119	78737	9.129	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	38020	8.894	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	38381	8.953	ug/l	95
89) n-Butylbenzene	12.39	91	76074	9.194	ug/l	99
90) Hexachloroethane	12.59	117	13550	8.566	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	34021	8.505	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3343	8.320	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091019\
Quantitation Report (Not Reviewed)

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Operator : SY/SP
Sample : VSTDICC010
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ClientSampleId :
VSTDICC010

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	23146	8.750	ug/l	99
94) Hexachlorobutadiene	13.78	225	11649	9.103	ug/l	99
95) Naphthalene	13.83	128	47024	8.096	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	19617	8.481	ug/l	95

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

Data File : VX012246.D

Acq On : 10 Sep 2019 09:34

Operator : SY/SP

Sample : VSTDICC010

Misc : 5.00g/5.0mL/MSVOA_X/SOIL

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ALS Vial      : 3      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC010

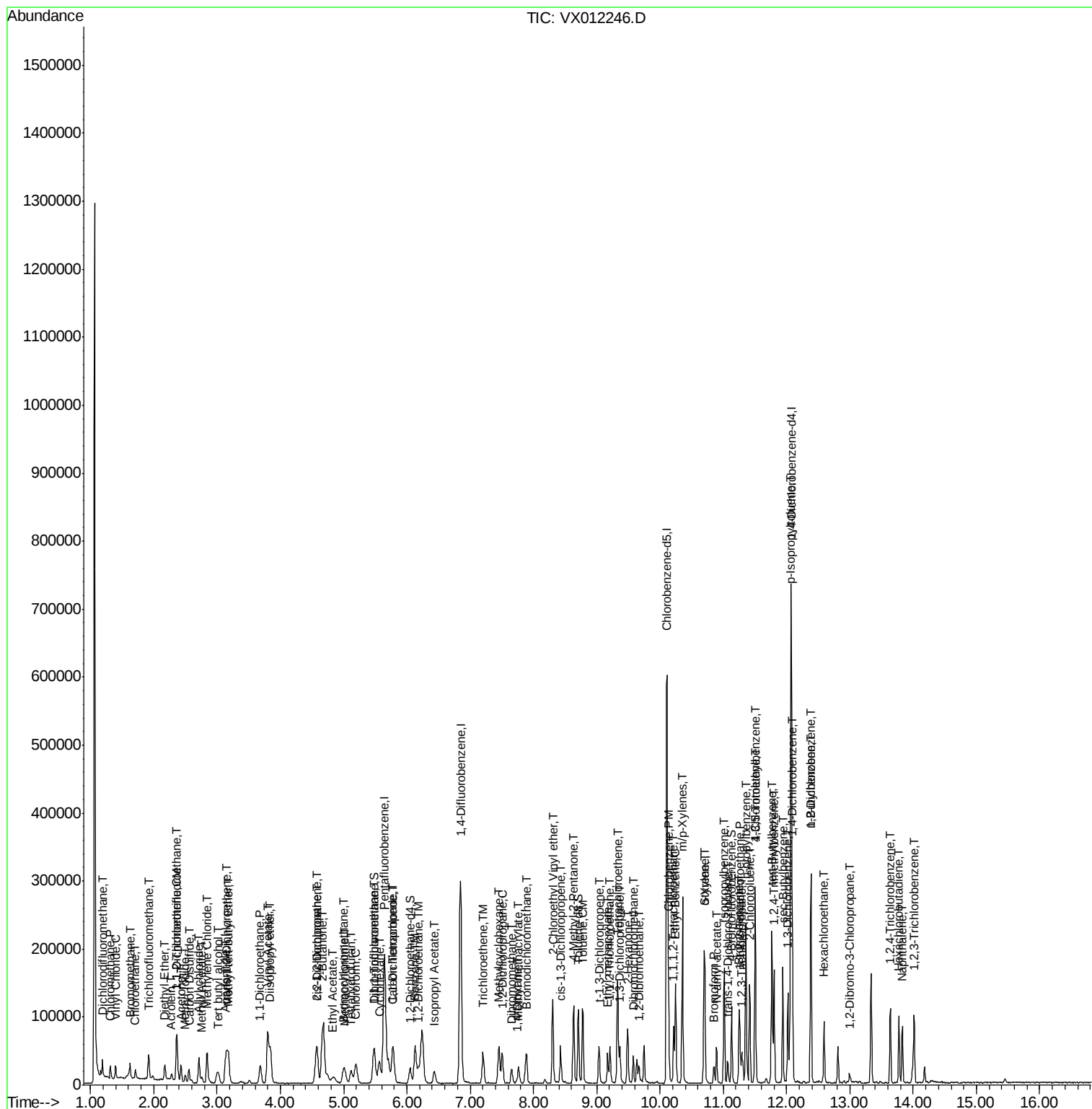
Quant Time: Sep 10 11:10:02 2019

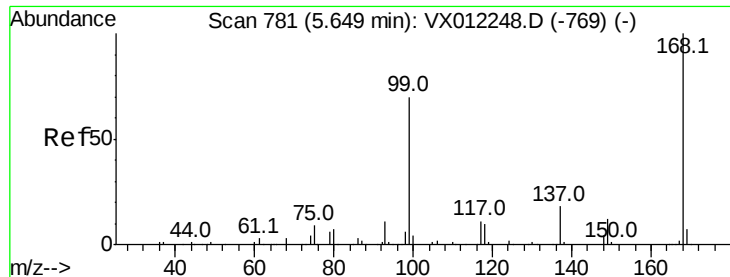
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_X\METHOD\82X091019S.M

Quant Title : SW846 8260

QLast Update : Tue Sep 10 11:06:12 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

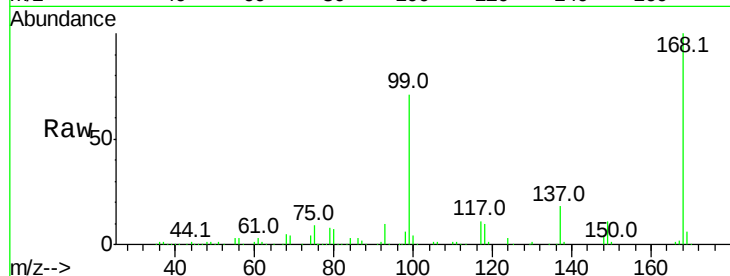
VSTDIC010

Tgt Ion:168 Resp: 161615

Ion Ratio Lower Upper

168 100

99 70.5 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

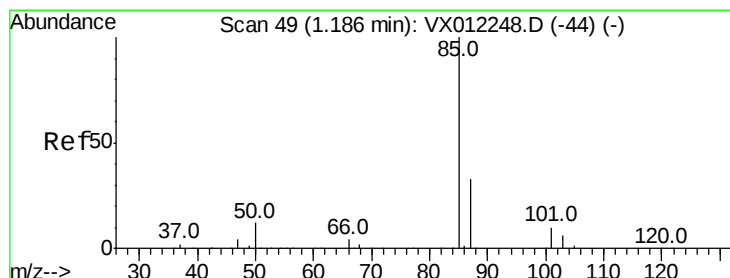
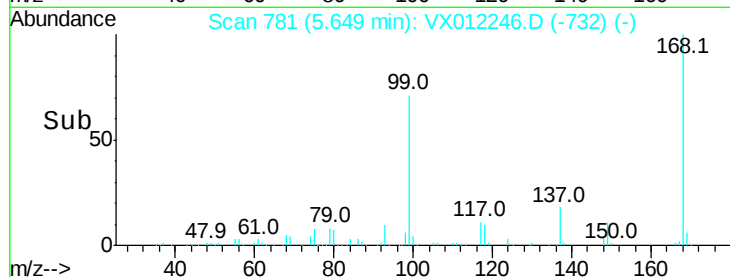
40000

20000

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Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 10.708 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012246.D

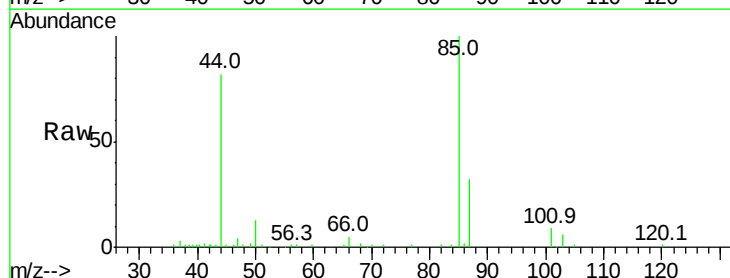
Acq: 10 Sep 2019 09:34

Tgt Ion: 85 Resp: 13835

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

15000

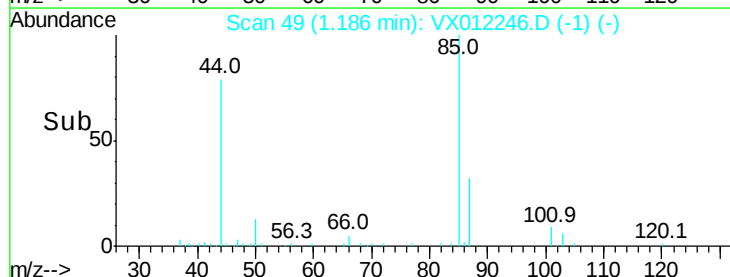
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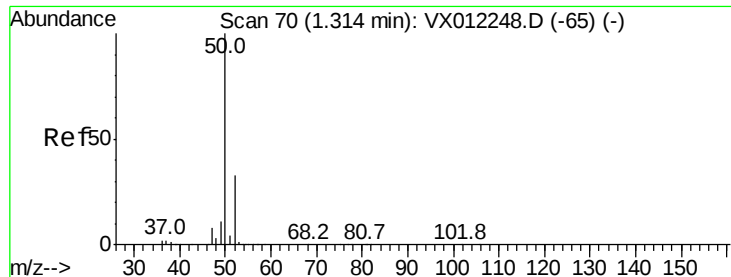
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0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 9.498 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

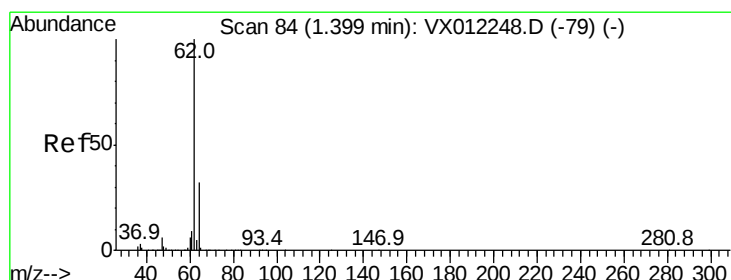
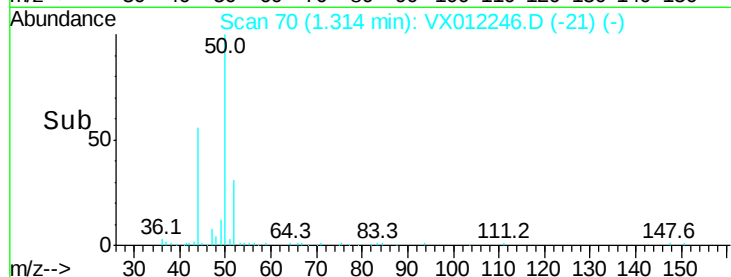
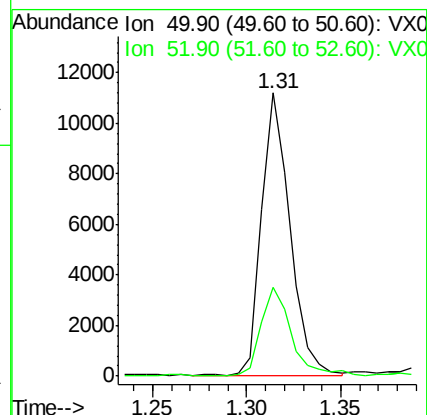
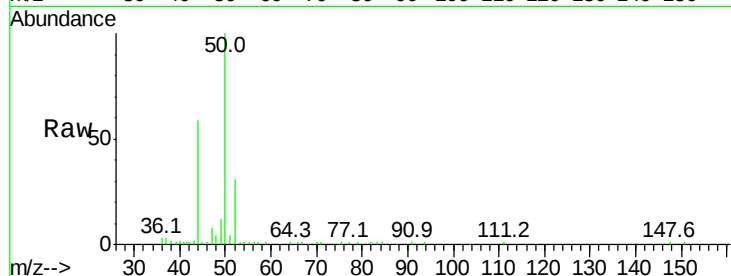
VSTDIC010

Tgt Ion: 50 Resp: 11827

Ion Ratio Lower Upper

50 100

52 31.2 26.7 40.1



#4

Vinyl Chloride

Concen: 9.823 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012246.D

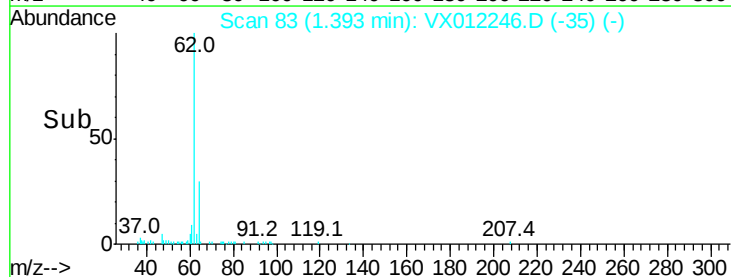
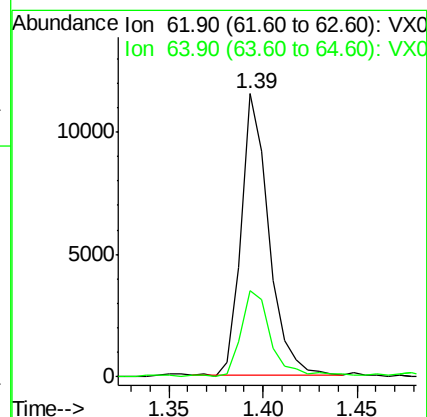
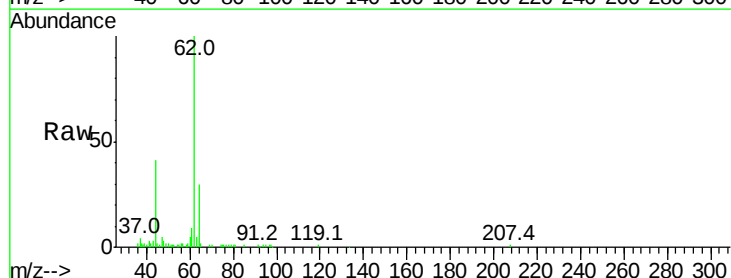
Acq: 10 Sep 2019 09:34

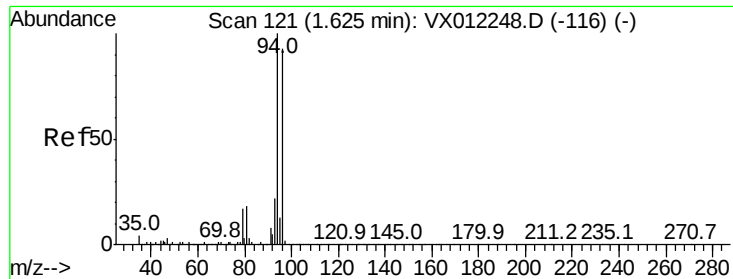
Tgt Ion: 62 Resp: 11714

Ion Ratio Lower Upper

62 100

64 29.8 25.5 38.3





#5

Bromomethane

Concen: 14.875 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

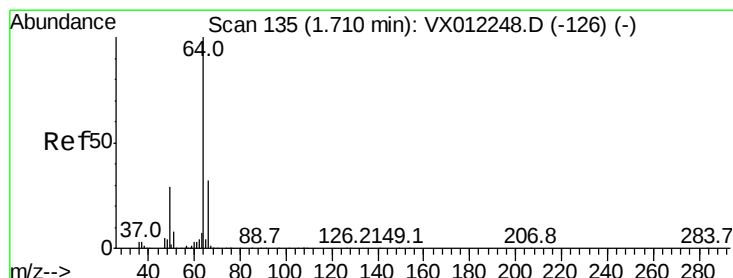
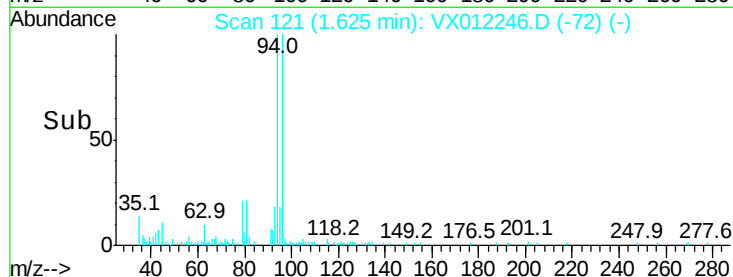
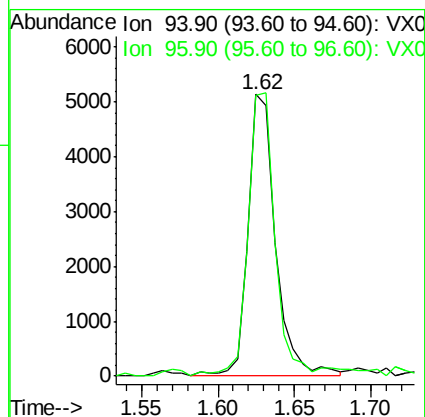
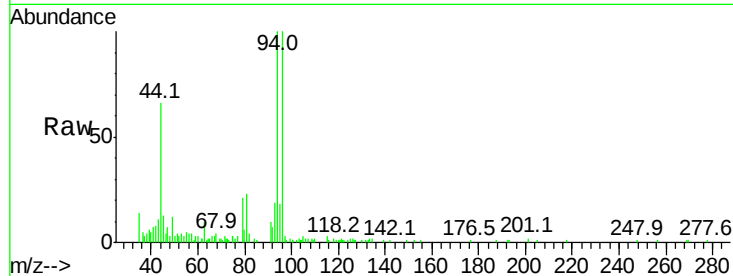
VSTDIC010

Tgt Ion: 94 Resp: 6431

Ion Ratio Lower Upper

94 100

96 99.5 74.0 111.0



#6

Chloroethane

Concen: 10.275 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012246.D

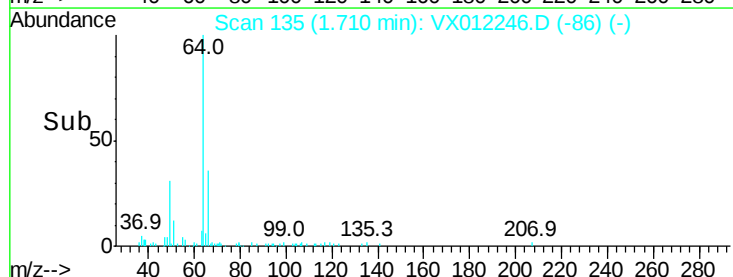
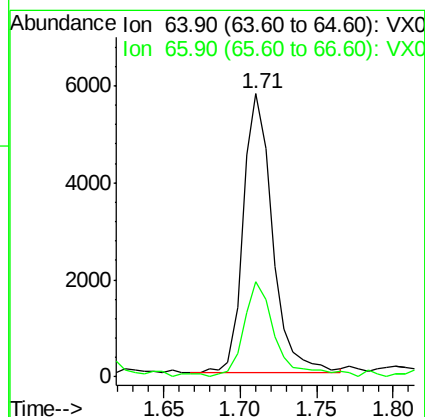
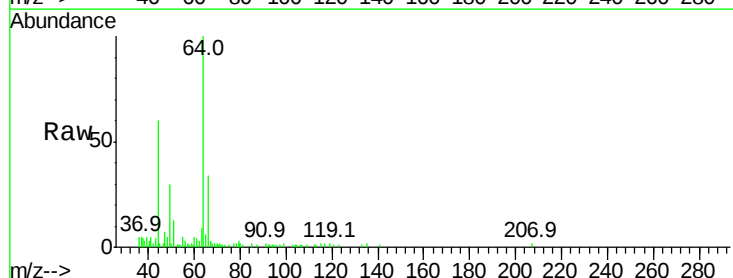
Acq: 10 Sep 2019 09:34

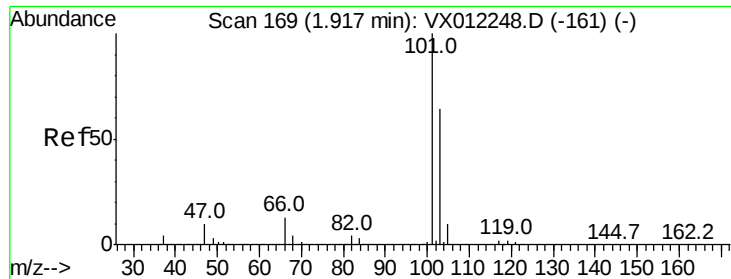
Tgt Ion: 64 Resp: 7692

Ion Ratio Lower Upper

64 100

66 33.0 25.8 38.6



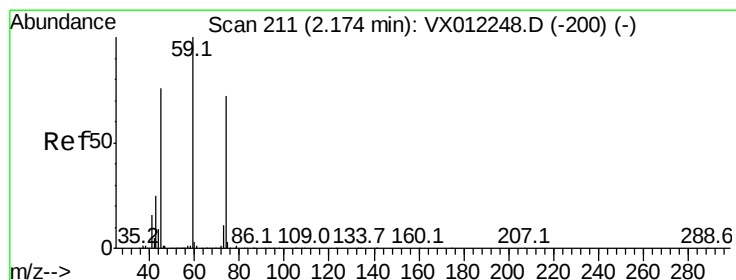
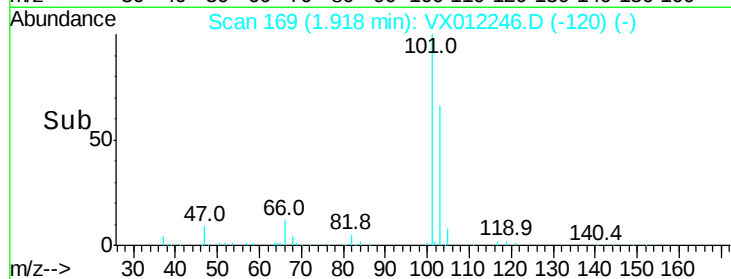
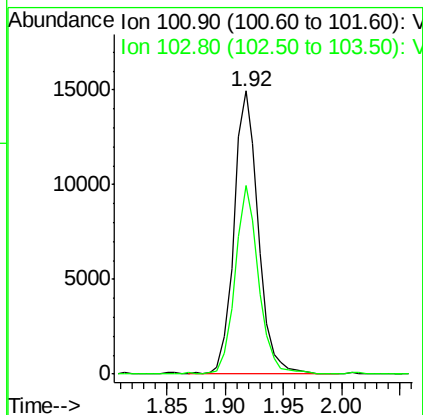
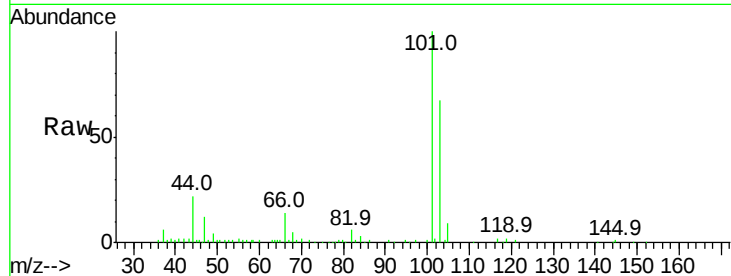


#7

Trichlorofluoromethane
Concen: 10.690 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
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VSTDIC010

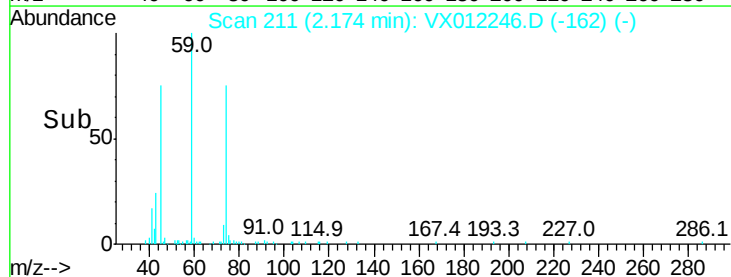
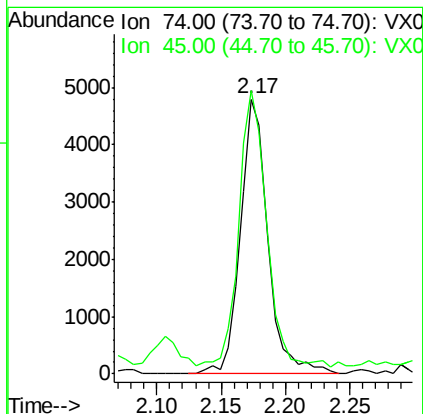
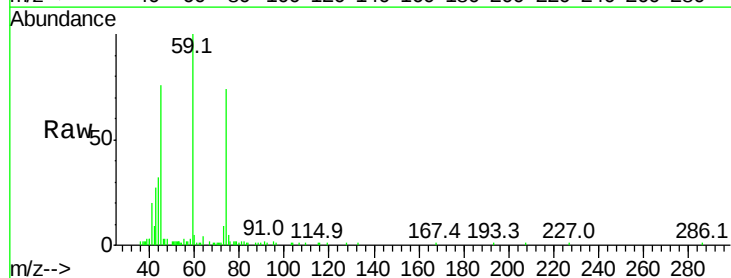
Tgt Ion:101 Resp: 21685
Ion Ratio Lower Upper
101 100
103 66.8 51.4 77.2

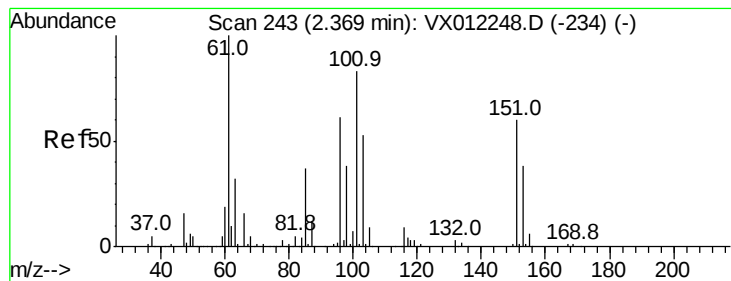


#8

Diethyl Ether
Concen: 7.836 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 74 Resp: 7064
Ion Ratio Lower Upper
74 100
45 100.8 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.937 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

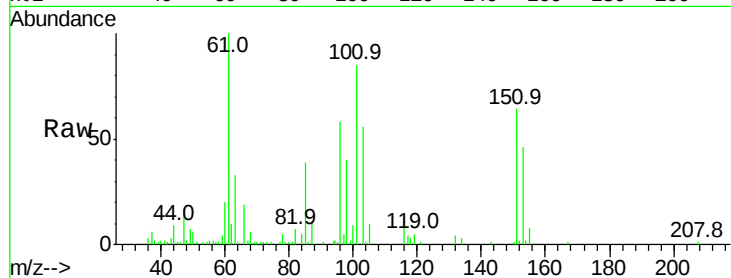
Tgt Ion:101 Resp: 15016

Ion Ratio Lower Upper

101 100

85 47.1 37.0 55.6

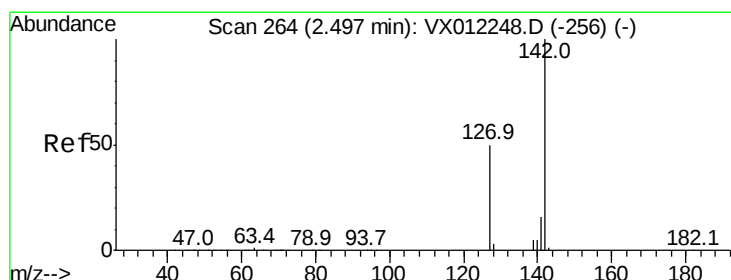
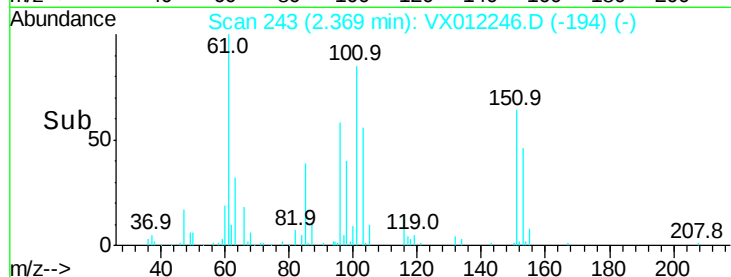
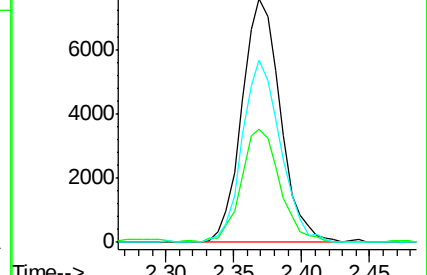
151 73.9 58.6 87.8



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: 7.839 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

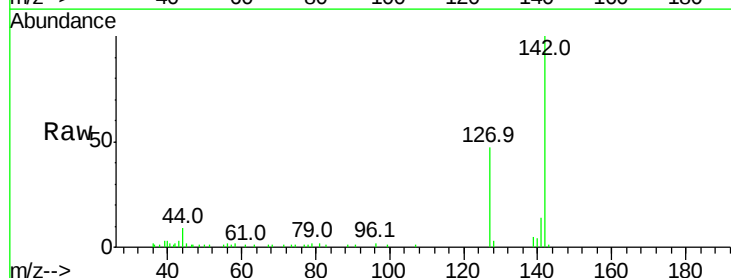
Tgt Ion:142 Resp: 11633

Ion Ratio Lower Upper

142 100

127 50.6 40.6 61.0

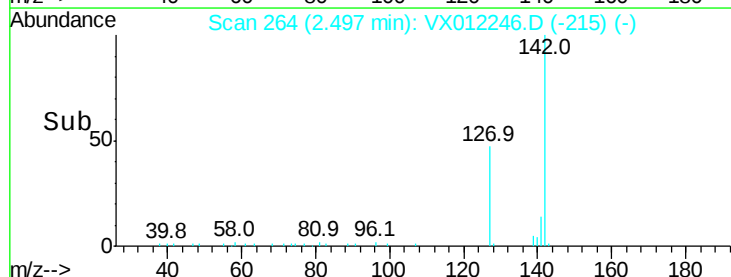
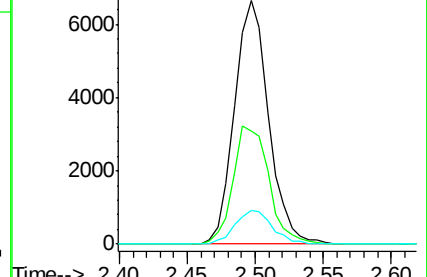
141 14.9 12.0 18.0

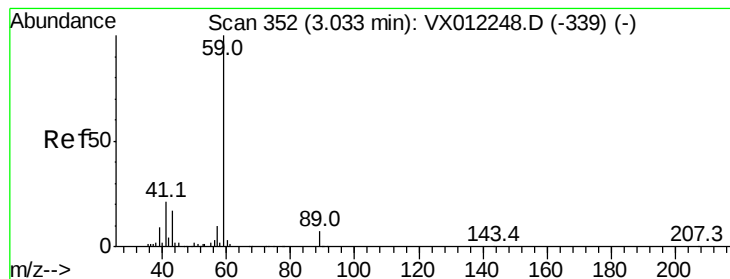


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



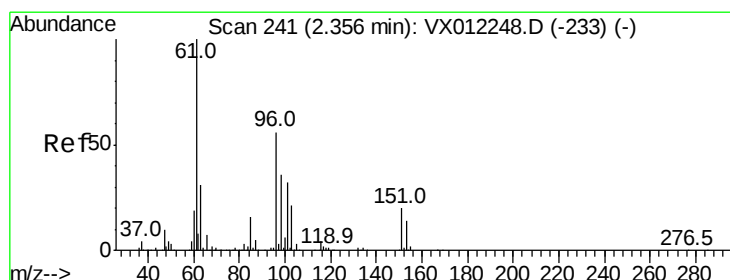
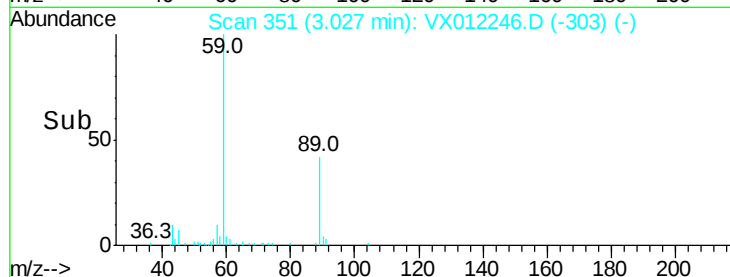
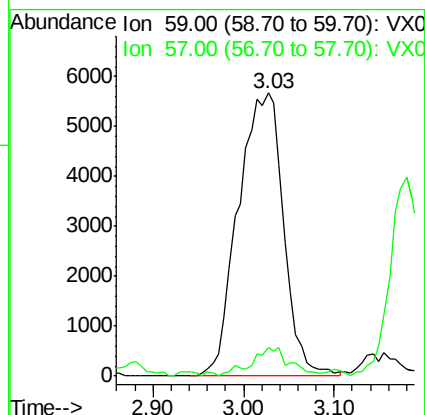
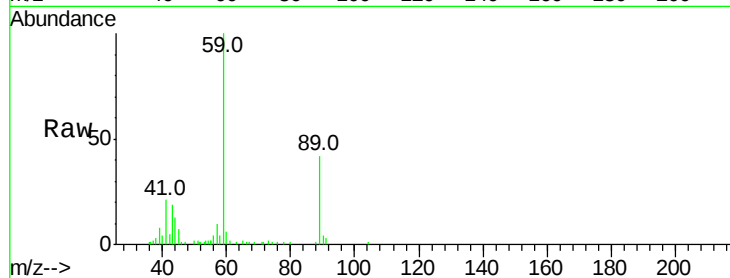


#11

Tert butyl alcohol
 Concen: 87.601 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

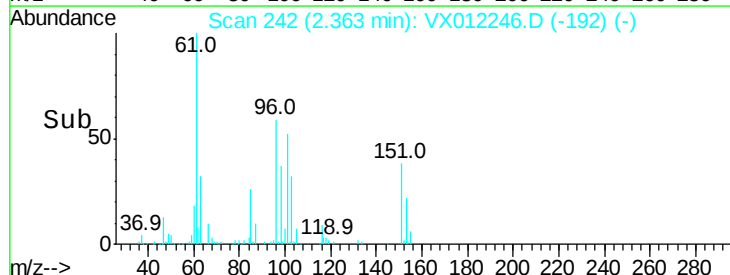
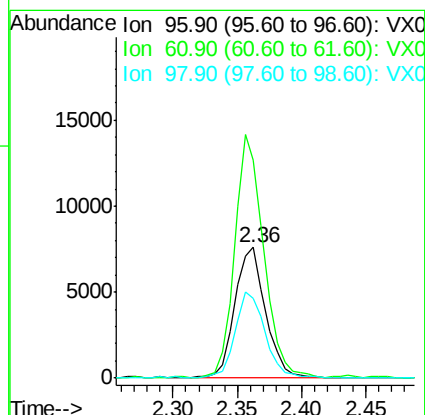
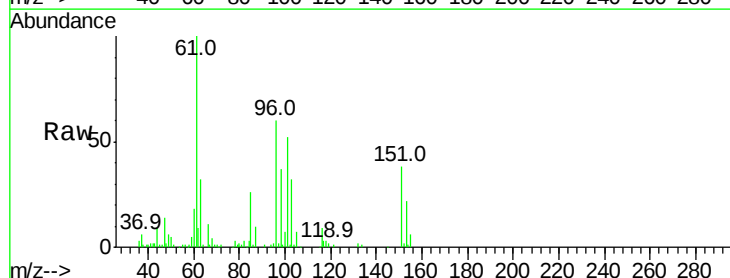
Tgt Ion: 59 Resp: 19603
 Ion Ratio Lower Upper
 59 100
 57 8.5 7.8 11.6

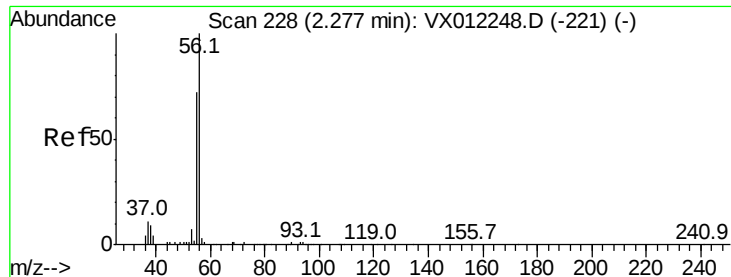


#12

1,1-Dichloroethene
 Concen: 9.981 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion: 96 Resp: 12703
 Ion Ratio Lower Upper
 96 100
 61 167.0 142.2 213.2
 98 61.1 51.3 76.9





#13

Acrolein

Concen: 41.684 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

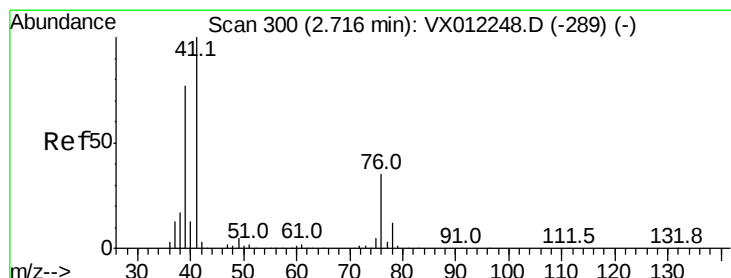
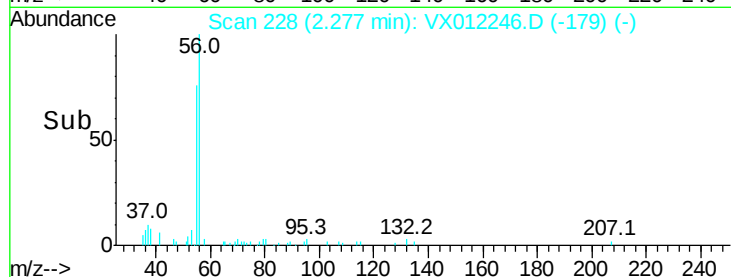
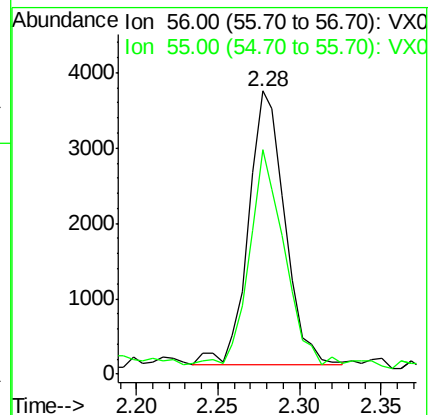
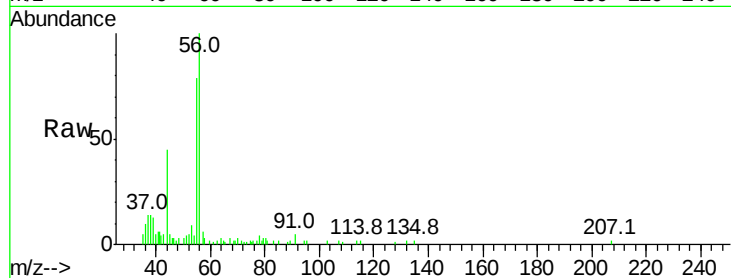
VSTDIC010

Tgt Ion: 56 Resp: 5655

Ion Ratio Lower Upper

56 100

55 77.1 59.8 89.6



#14

Allyl chloride

Concen: 8.813 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

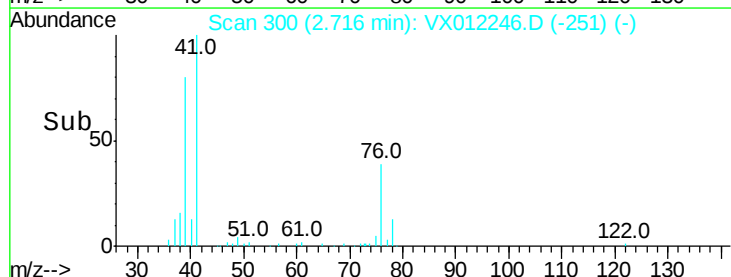
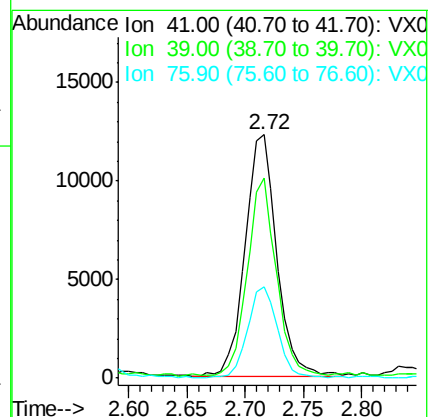
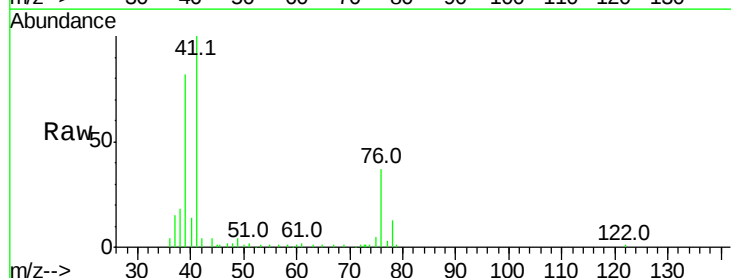
Tgt Ion: 41 Resp: 23148

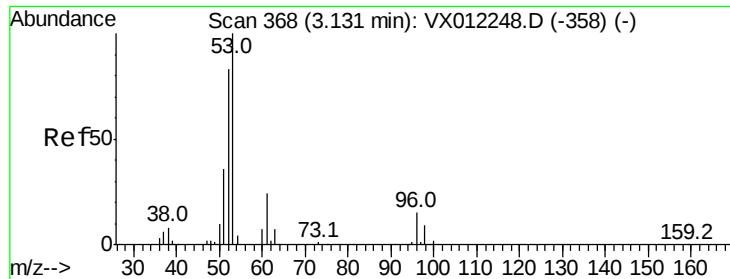
Ion Ratio Lower Upper

41 100

39 75.3 58.6 87.8

76 36.1 26.3 39.5





#15

Acrylonitrile

Concen: 42.041 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

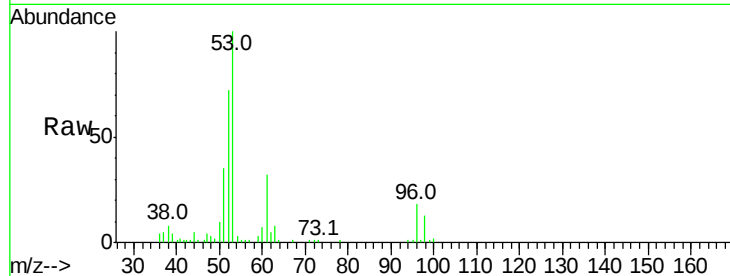
Tgt Ion: 53 Resp: 20945

Ion Ratio Lower Upper

53 100

52 82.7 66.8 100.2

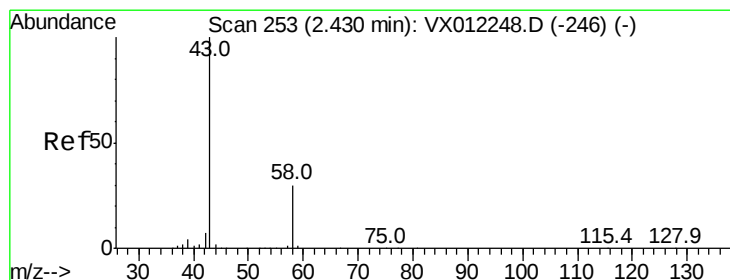
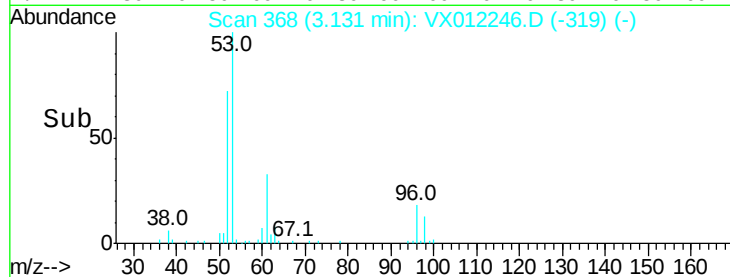
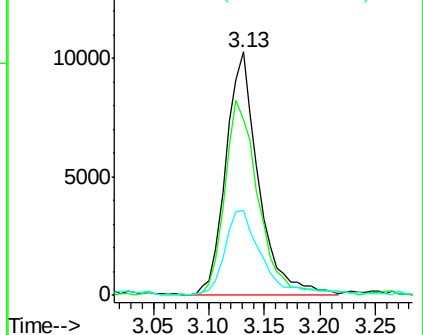
51 40.6 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 53.913 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012246.D

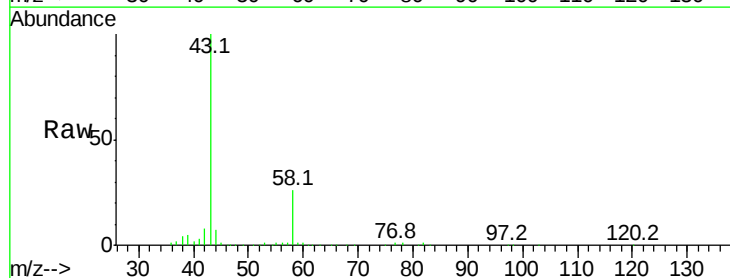
Acq: 10 Sep 2019 09:34

Tgt Ion: 43 Resp: 27424

Ion Ratio Lower Upper

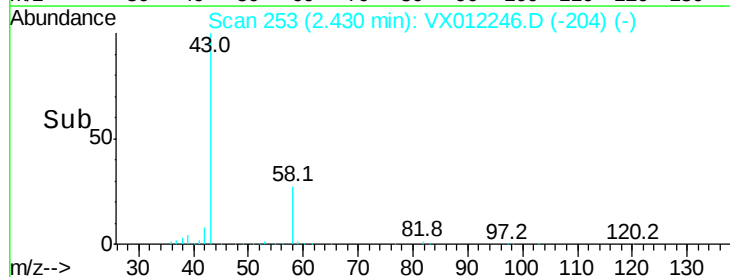
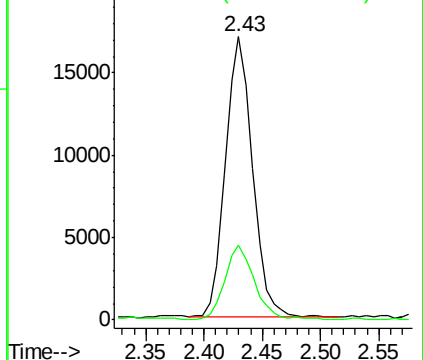
43 100

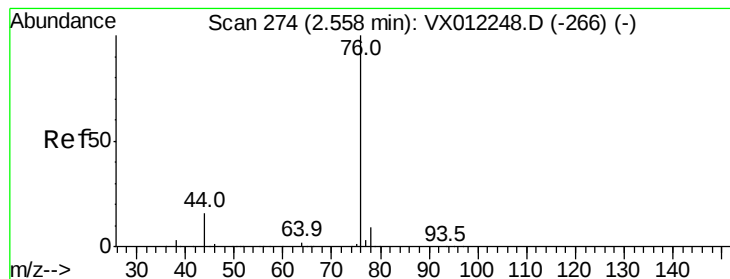
58 26.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 9.615 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

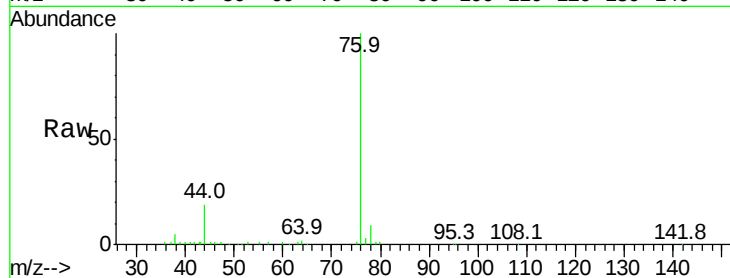
VSTDIC010

Tgt Ion: 76 Resp: 25185

Ion Ratio Lower Upper

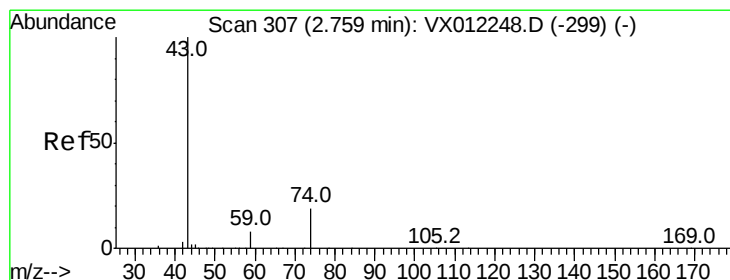
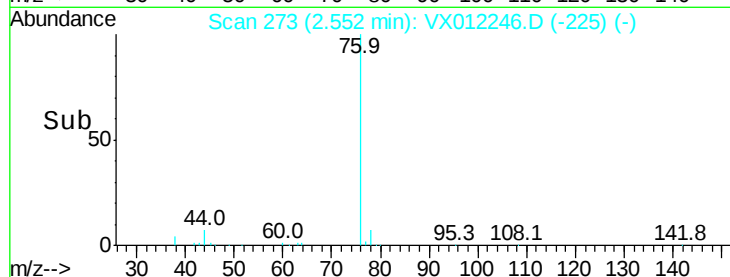
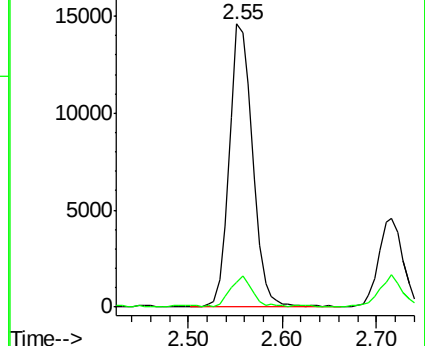
76 100

78 8.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 8.246 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX012246.D

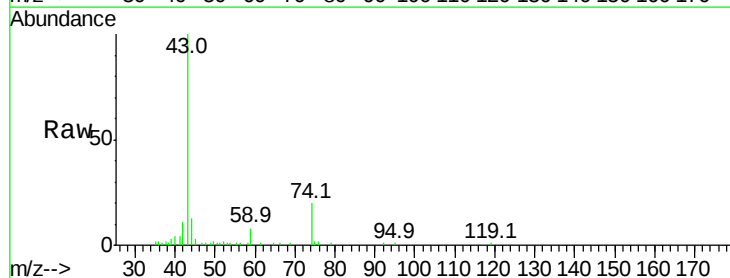
Acq: 10 Sep 2019 09:34

Tgt Ion: 43 Resp: 10658

Ion Ratio Lower Upper

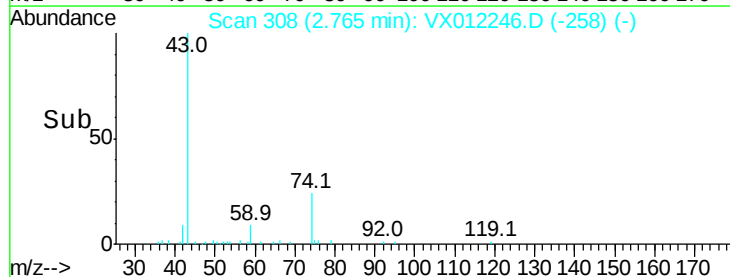
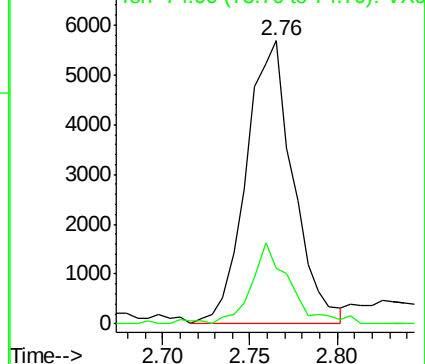
43 100

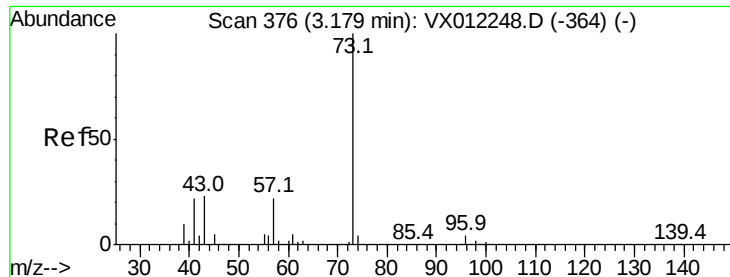
74 23.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

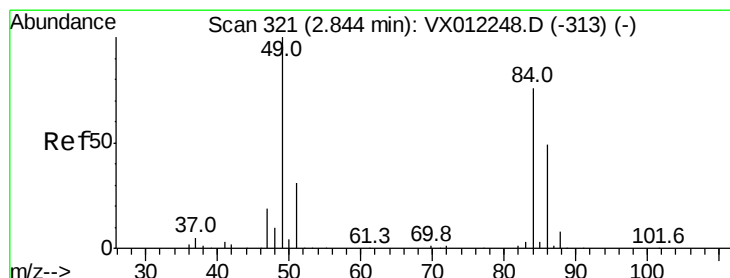
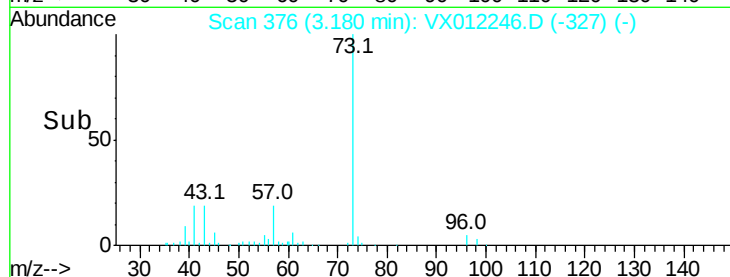
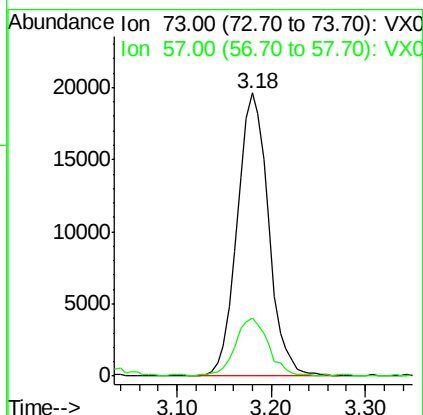
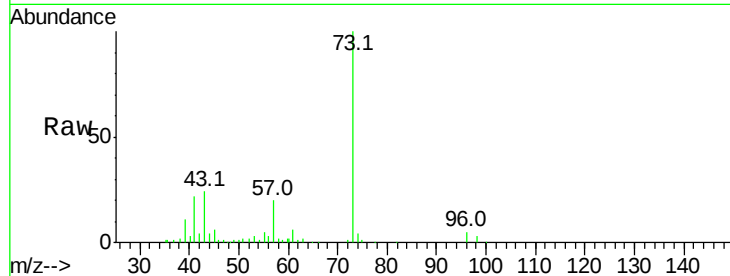




#19
Methyl tert-butyl Ether
Concen: 8.716 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

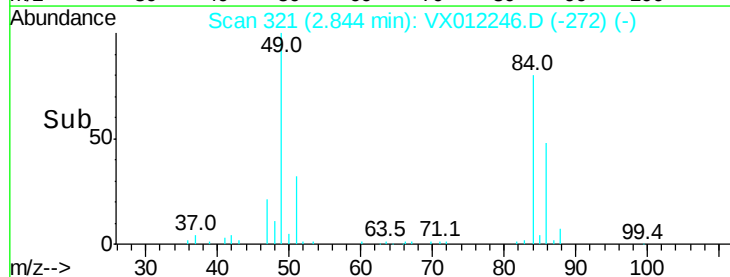
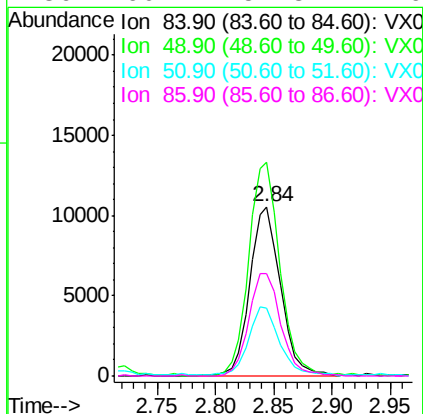
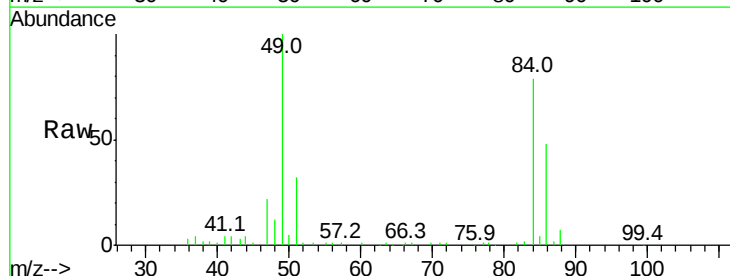
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

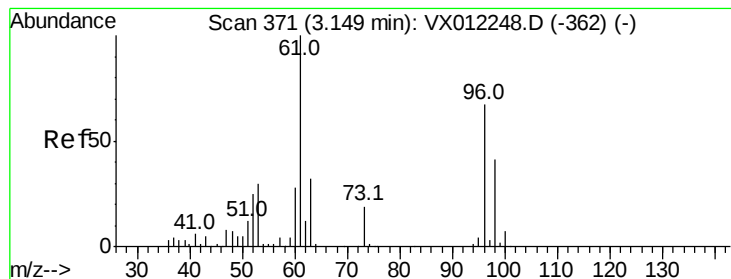
Tgt Ion: 73 Resp: 45632
Ion Ratio Lower Upper
73 100
57 20.0 17.7 26.5



#20
Methylene Chloride
Concen: 9.143 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 84 Resp: 19515
Ion Ratio Lower Upper
84 100
49 126.3 105.0 157.6
51 40.5 32.6 48.8
86 60.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 9.240 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

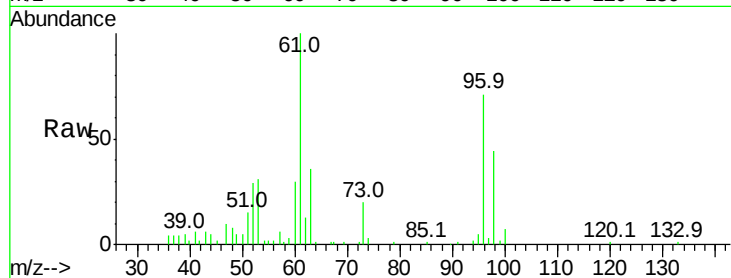
Tgt Ion: 96 Resp: 14235

Ion Ratio Lower Upper

96 100

61 140.9 119.4 179.2

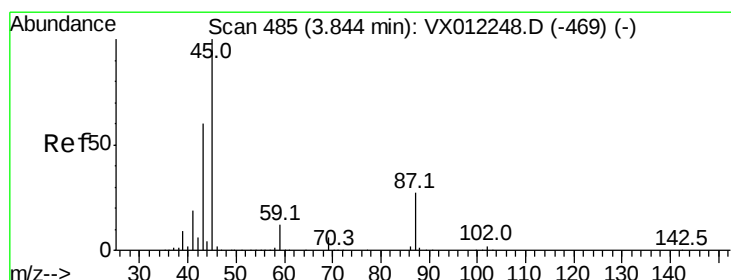
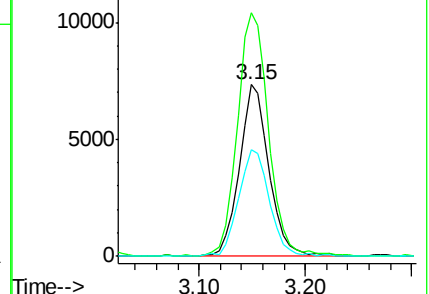
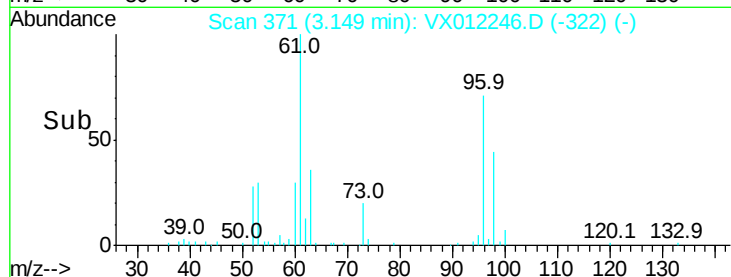
98 62.2 48.4 72.6



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: 8.835 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Tgt Ion: 45 Resp: 54104

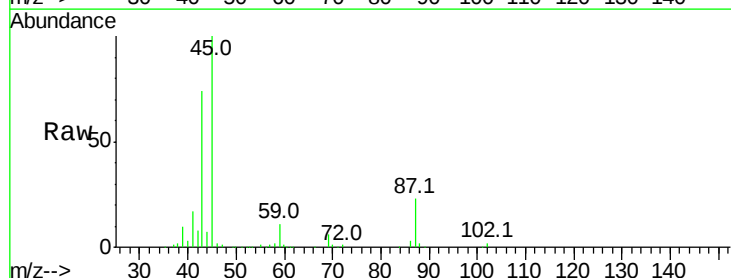
Ion Ratio Lower Upper

45 100

43 73.6 48.3 72.5#

87 23.4 21.8 32.8

59 11.0 9.1 13.7

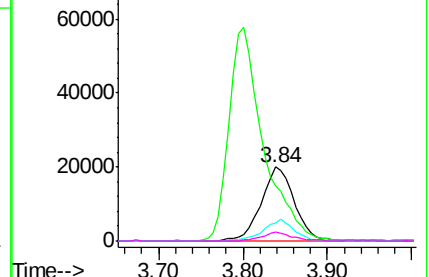
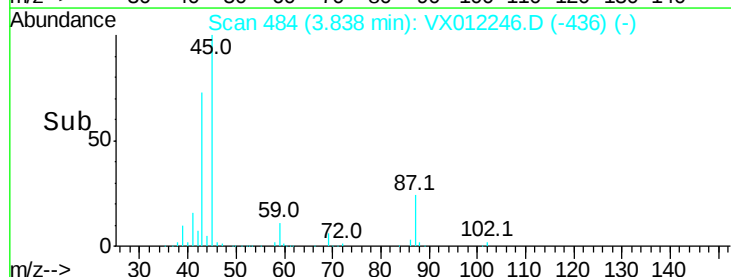


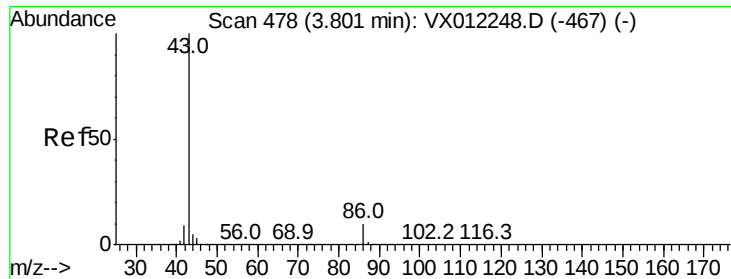
Abundance Ion 45.00 (44.70 to 45.70): VX0

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

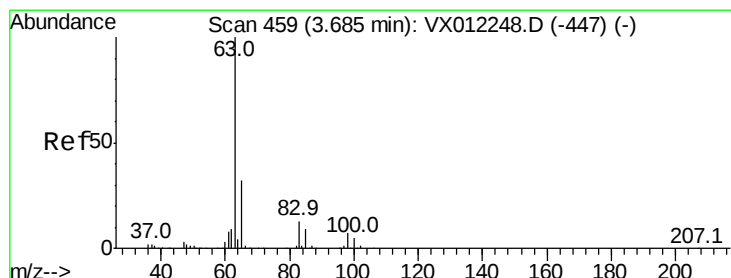
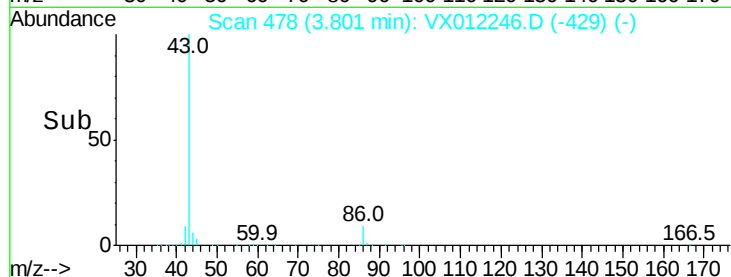
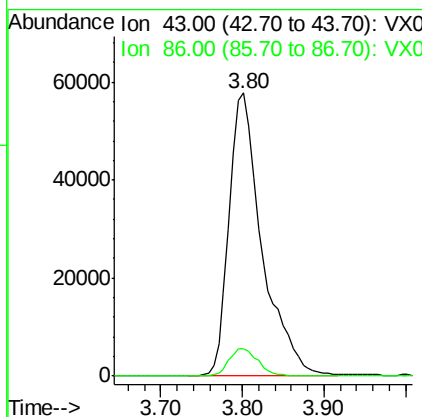
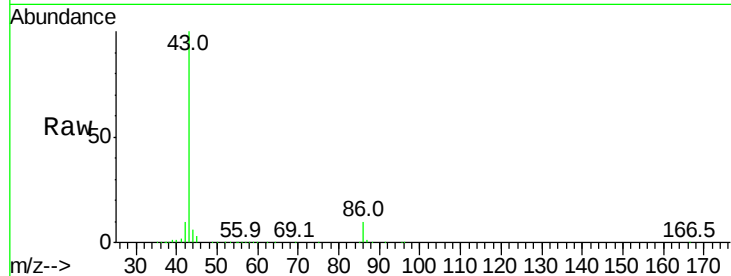




#23
 Vinyl Acetate
 Concen: 42.934 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

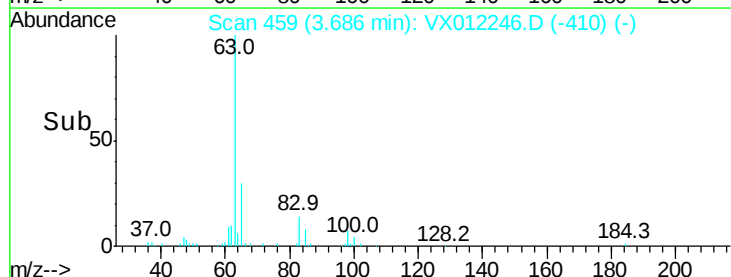
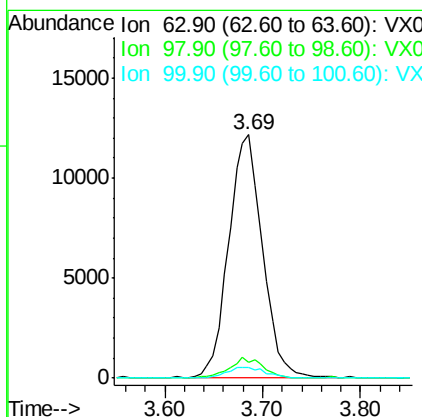
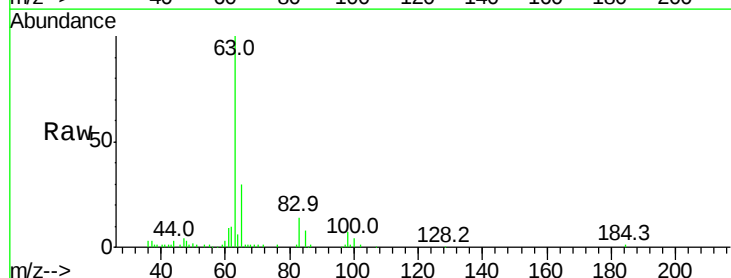
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

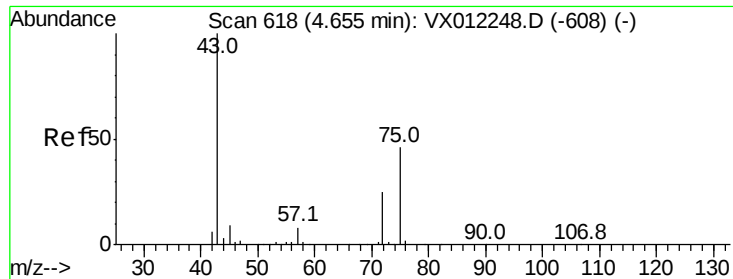
Tgt Ion: 43 Resp: 160512
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 8.955 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion: 63 Resp: 29273
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.1
 100 4.2 2.4 7.2





#25

2-Butanone

Concen: 47.466 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

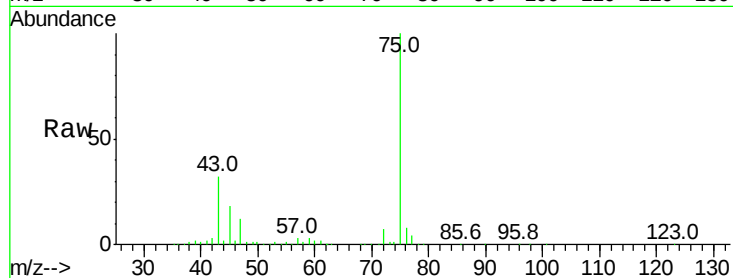
VSTDIC010

Tgt Ion: 43 Resp: 33102

Ion Ratio Lower Upper

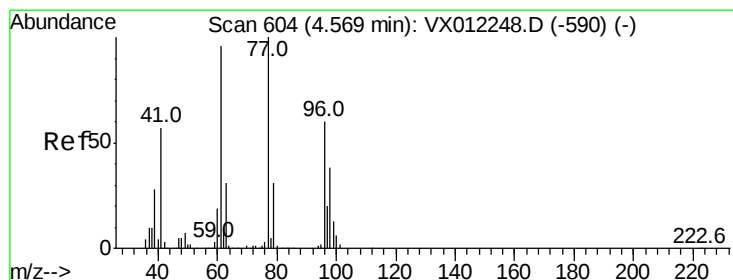
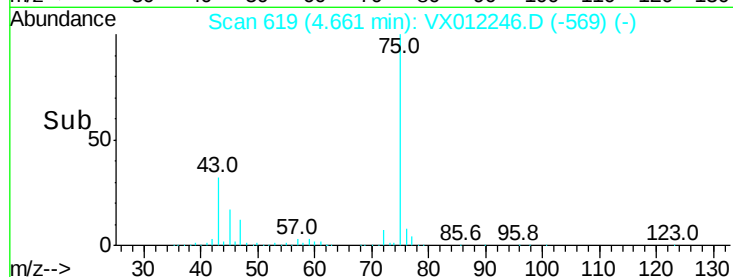
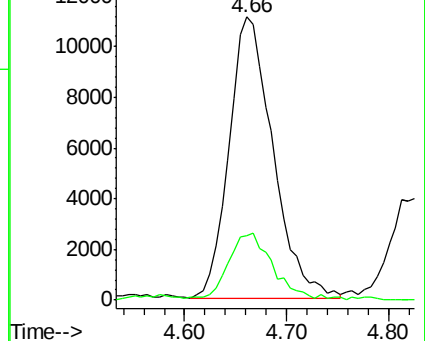
43 100

72 22.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 9.249 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012246.D

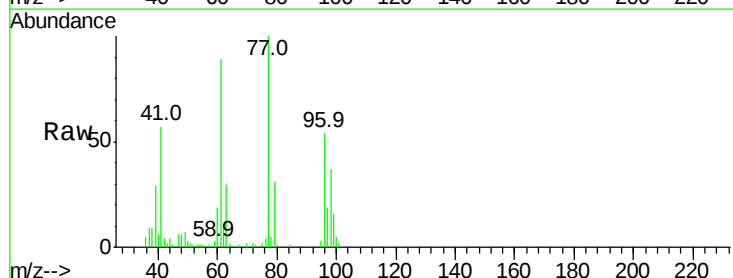
Acq: 10 Sep 2019 09:34

Tgt Ion: 77 Resp: 28039

Ion Ratio Lower Upper

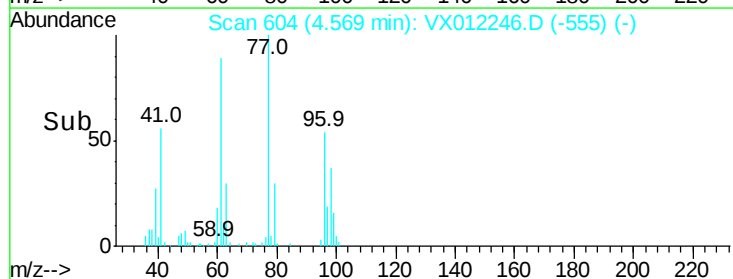
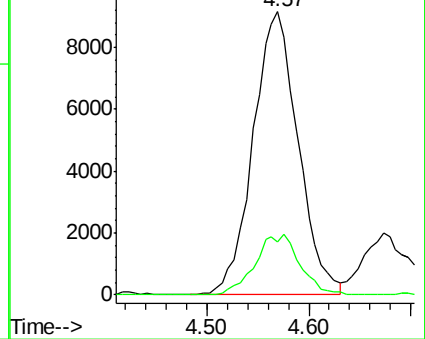
77 100

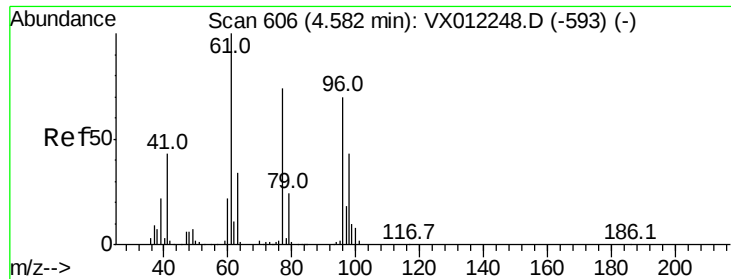
97 21.2 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



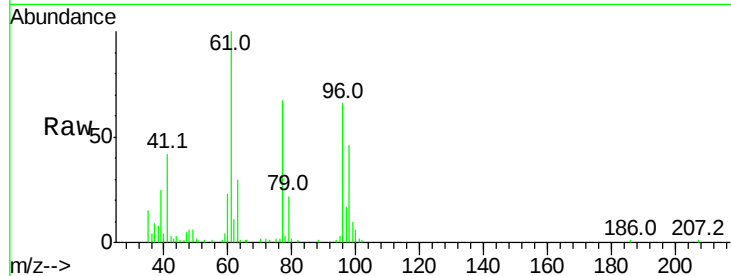


#27

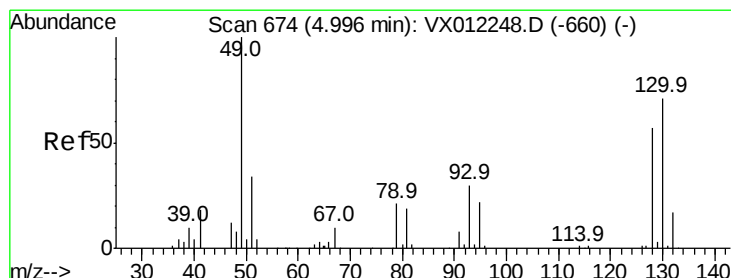
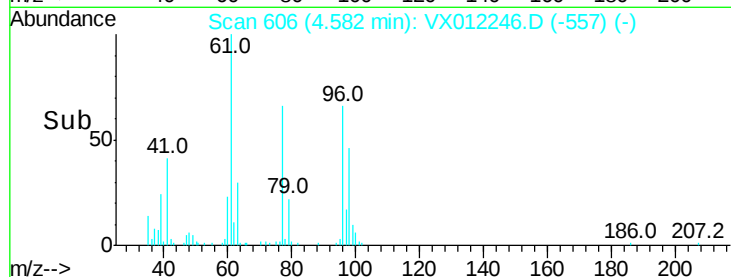
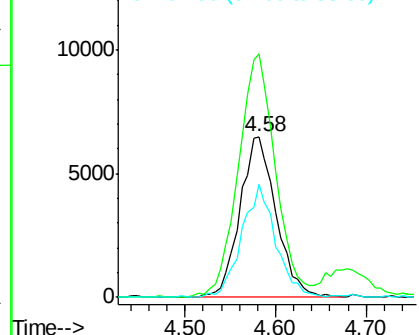
cis-1,2-Dichloroethene
Concen: 8.883 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tgt Ion: 96 Resp: 18030
Ion Ratio Lower Upper
96 100
61 154.9 0.0 310.4
98 65.8 0.0 128.8



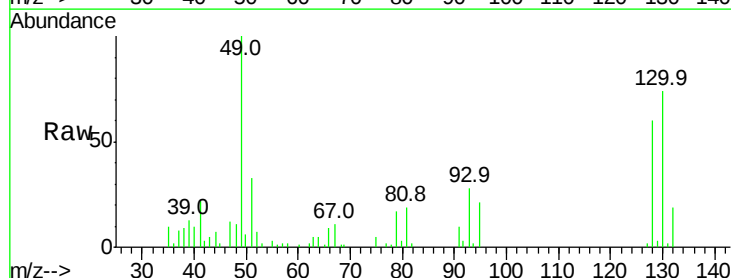
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



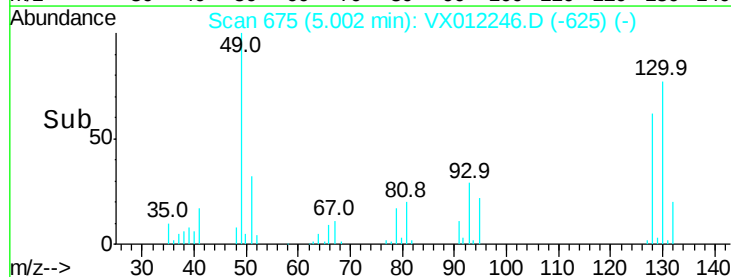
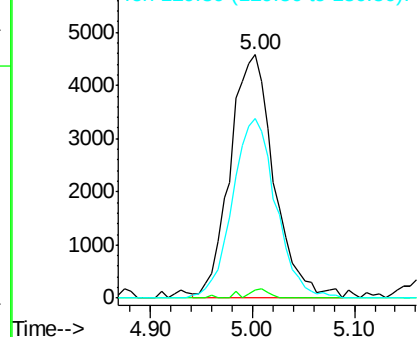
#28

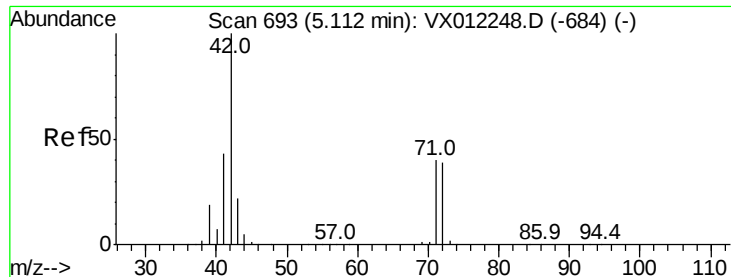
Bromochloromethane
Concen: 9.110 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 49 Resp: 13658
Ion Ratio Lower Upper
49 100
129 1.5 0.0 5.2
130 73.2 60.1 90.1



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

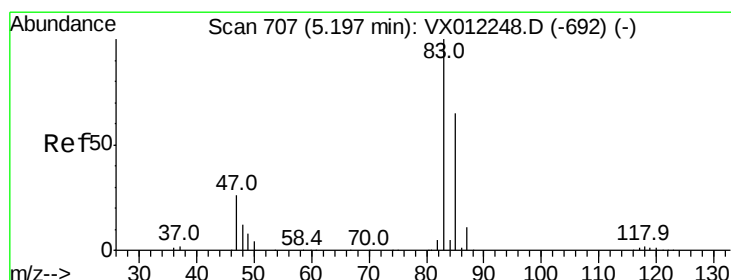
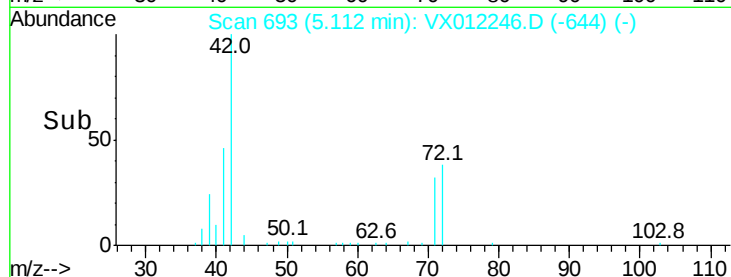
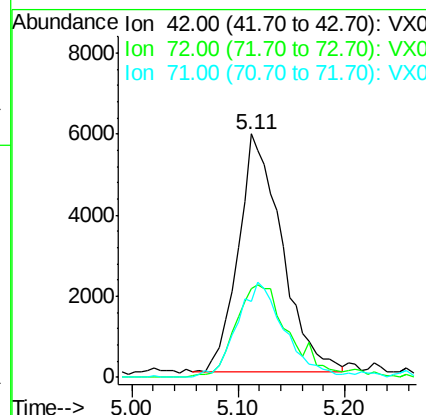
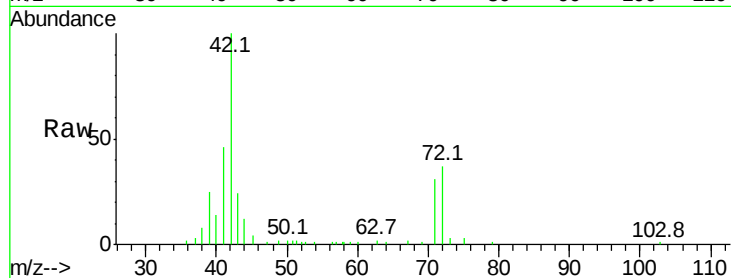




#29
Tetrahydrofuran
Concen: 39.723 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

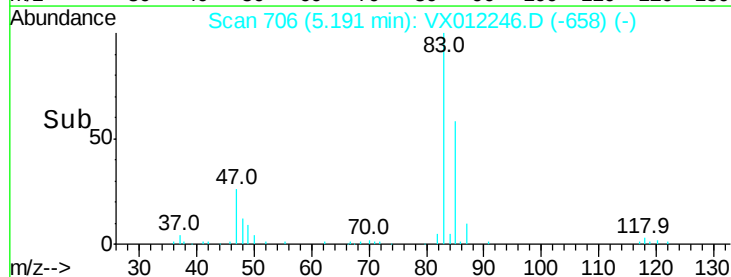
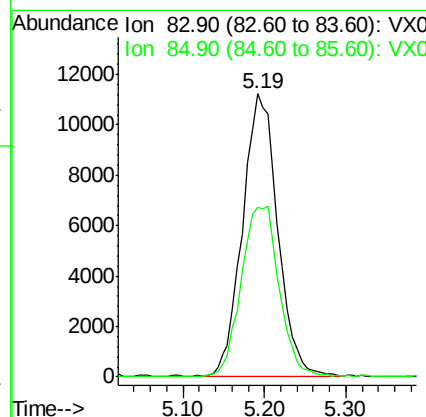
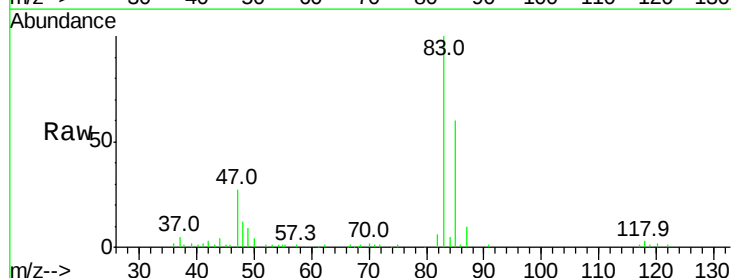
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

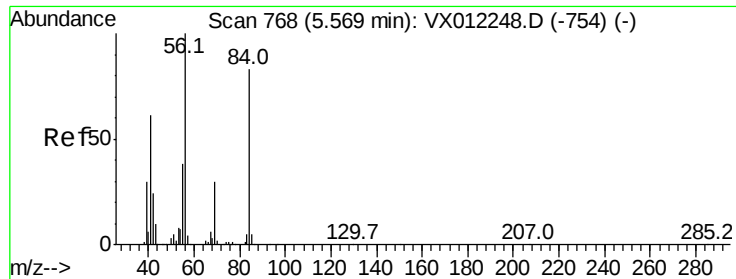
Tgt Ion: 42 Resp: 16801
Ion Ratio Lower Upper
42 100
72 47.3 35.2 52.8
71 43.3 32.5 48.7



#30
Chloroform
Concen: 9.025 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 83 Resp: 33753
Ion Ratio Lower Upper
83 100
85 59.7 52.3 78.5

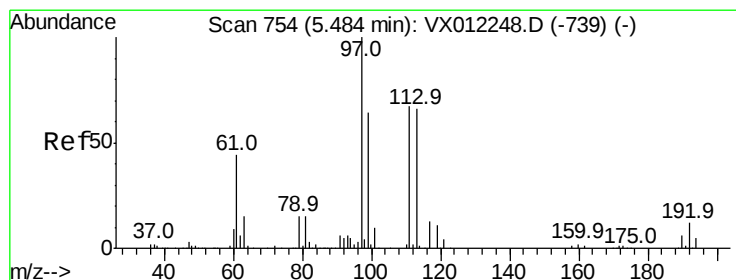
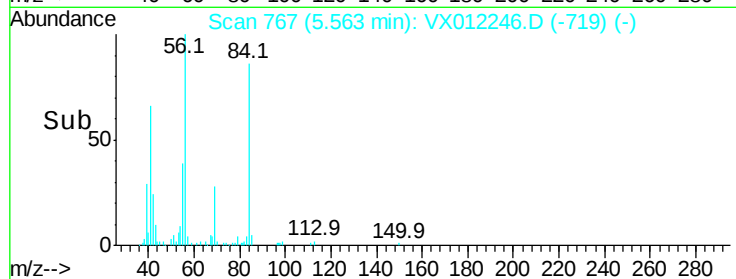
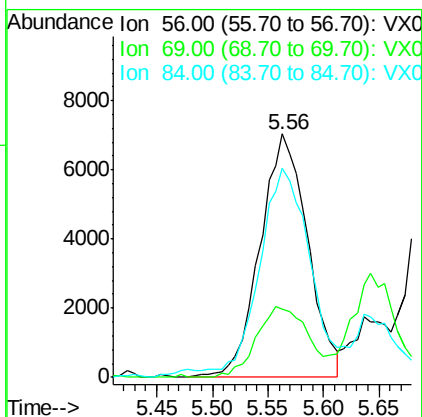
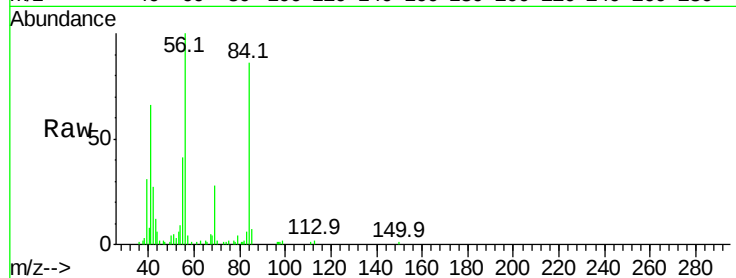




#31
Cyclohexane
Concen: 9.528 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

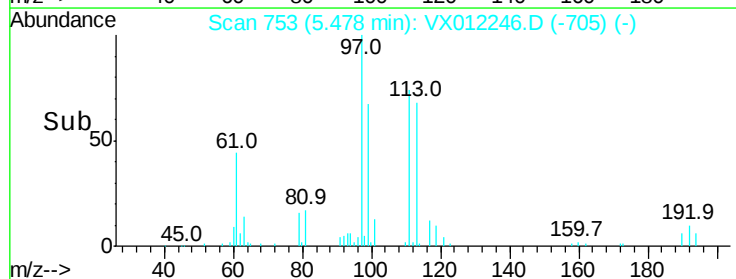
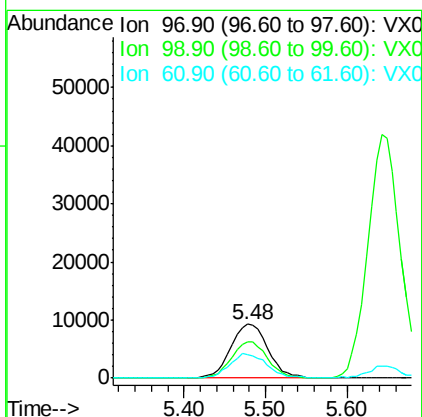
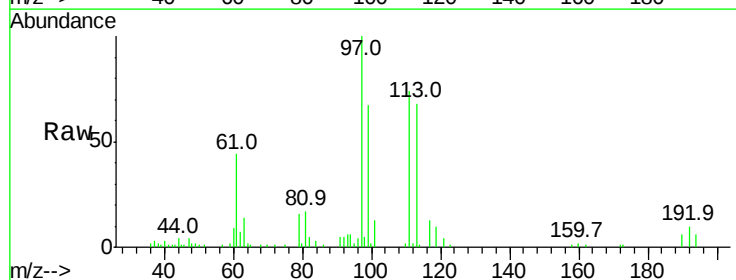
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

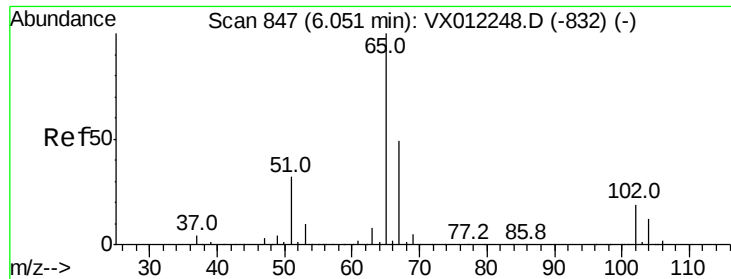
Tgt Ion: 56 Resp: 20946
Ion Ratio Lower Upper
56 100
69 28.2 23.8 35.6
84 83.4 66.6 100.0



#32
1,1,1-Trichloroethane
Concen: 9.476 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 97 Resp: 29354
Ion Ratio Lower Upper
97 100
99 65.8 51.3 76.9
61 45.8 35.4 53.0

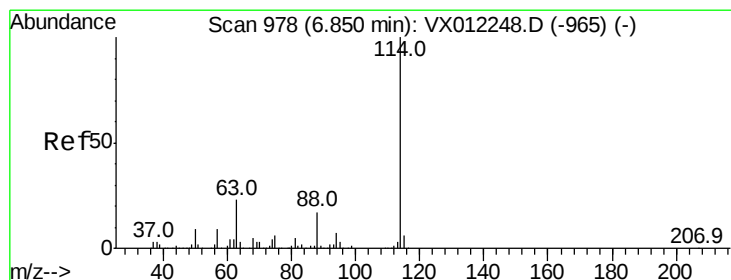
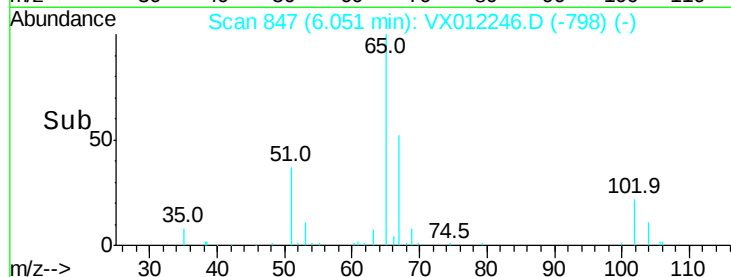
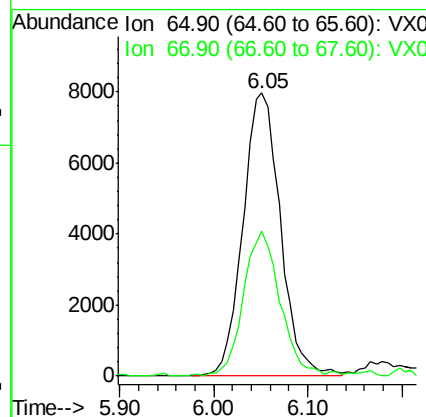
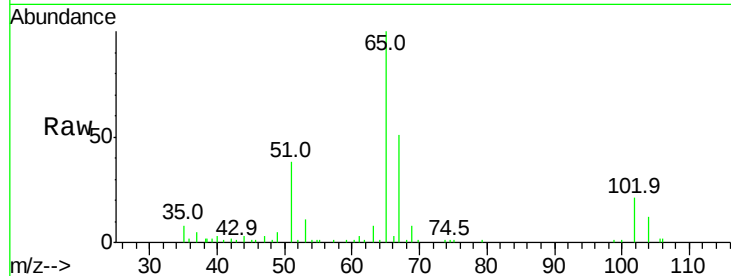




#33
 1,2-Dichloroethane-d4
 Concen: 9.166 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

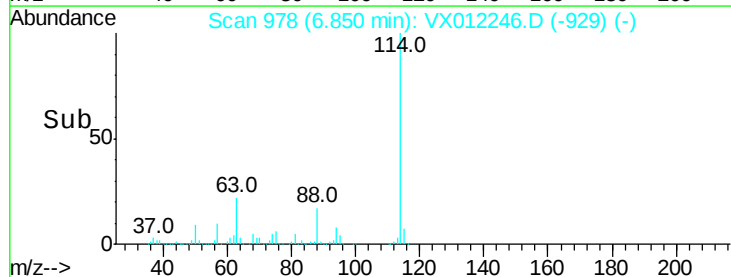
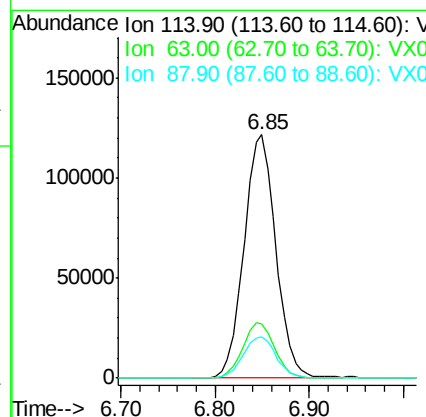
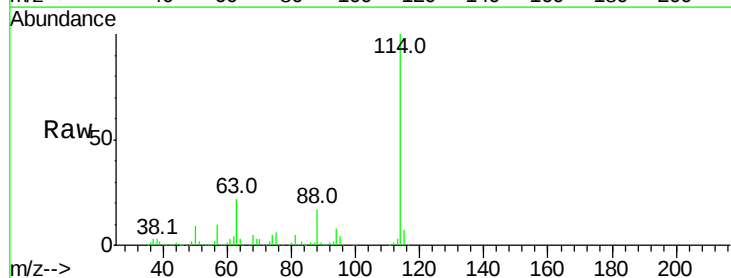
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

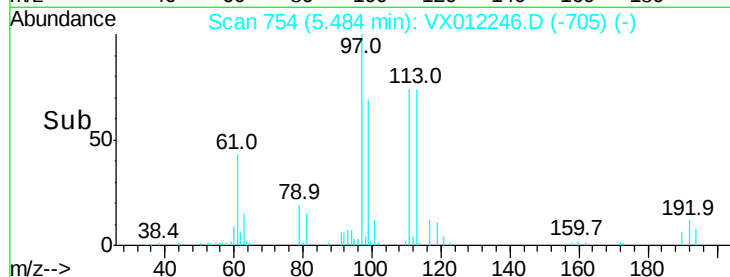
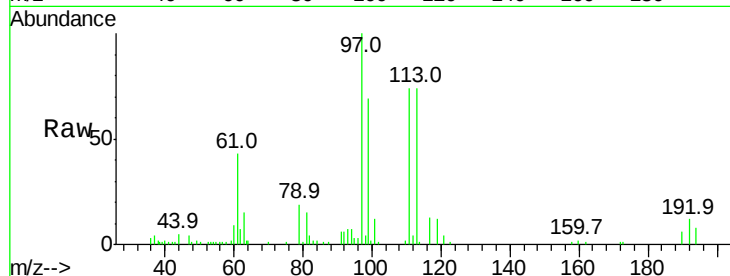
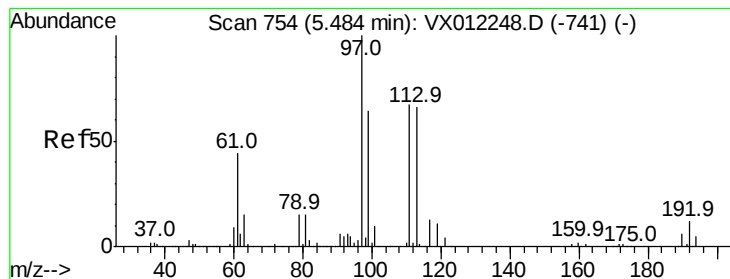
Tgt Ion: 65 Resp: 22061
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion: 114 Resp: 287248
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.2
 88 17.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 9.880 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

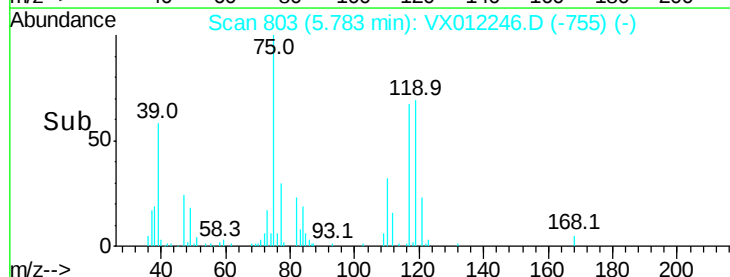
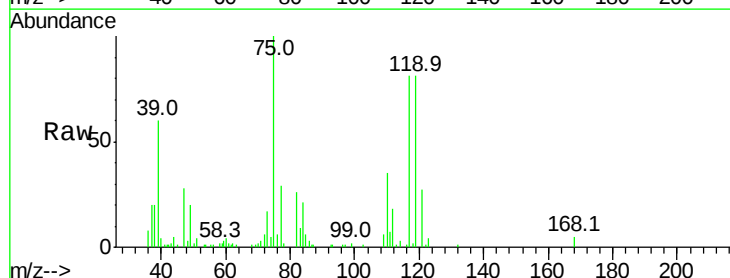
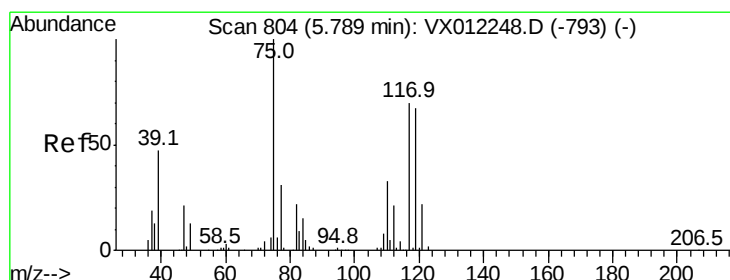
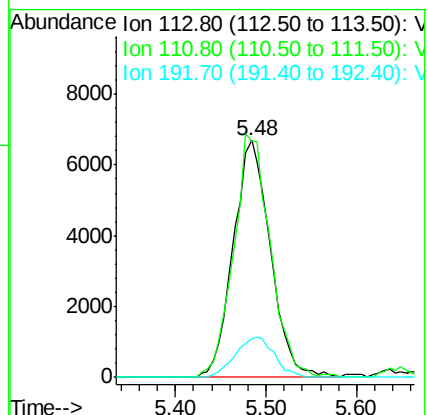
Tgt Ion:113 Resp: 19019

Ion Ratio Lower Upper

113 100

111 101.0 83.0 124.6

192 17.9 14.3 21.5



#36

1,1-Dichloropropene

Concen: 9.642 ug/l

RT: 5.78 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

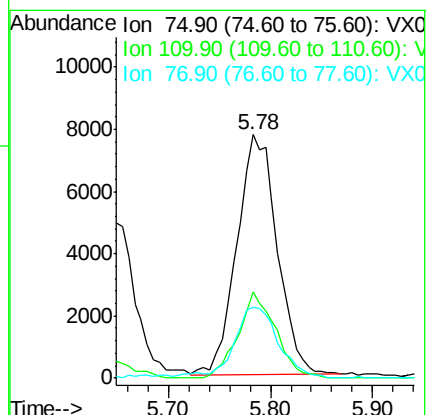
Tgt Ion: 75 Resp: 21309

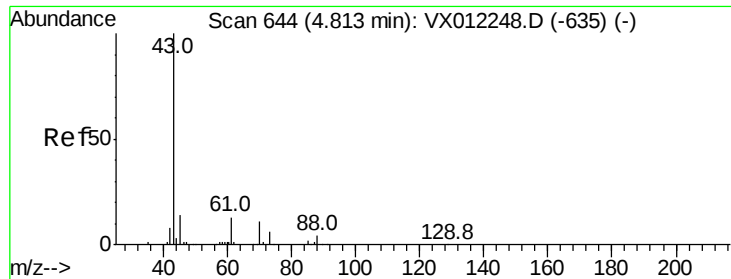
Ion Ratio Lower Upper

75 100

110 33.3 16.8 50.4

77 32.5 24.5 36.7

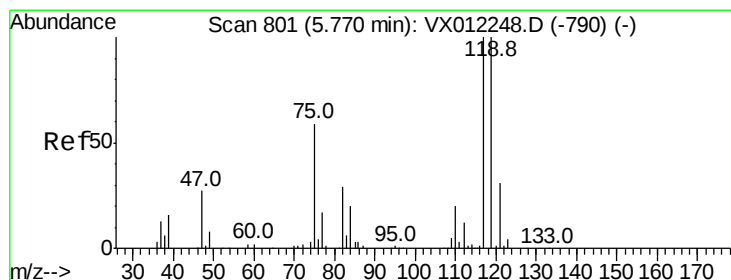
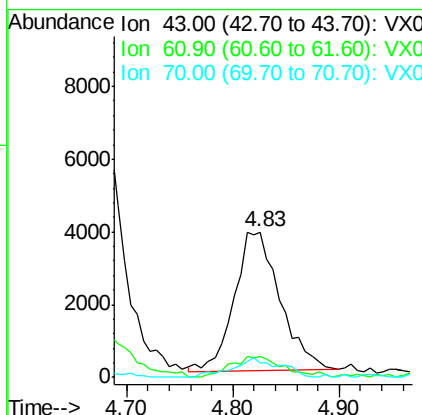
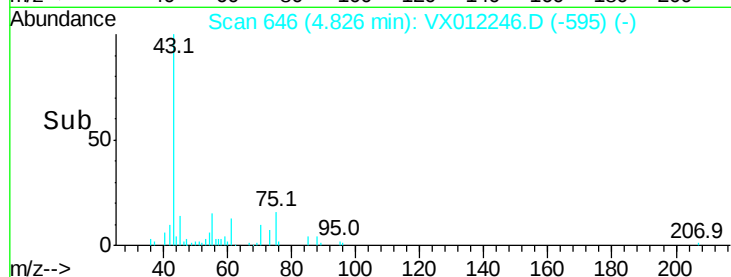
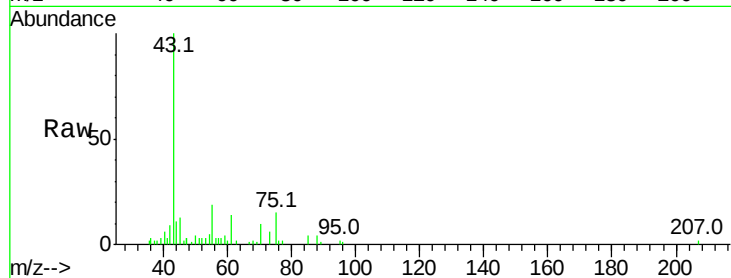




#37
Ethyl Acetate
Concen: 7.861 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

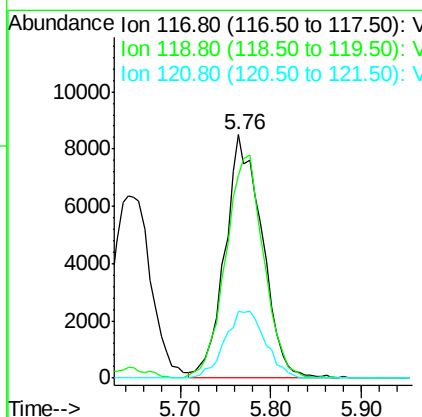
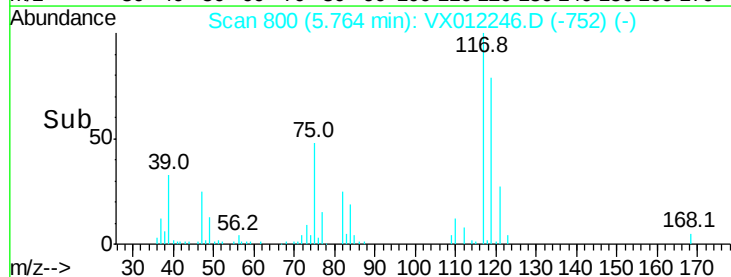
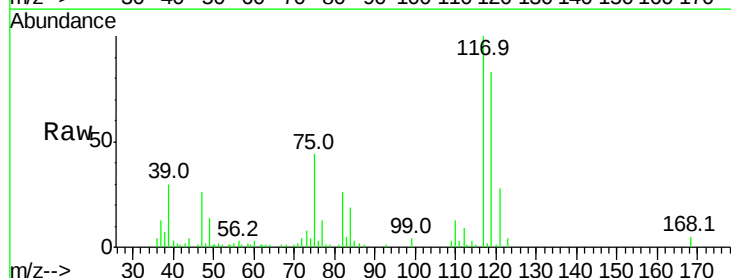
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

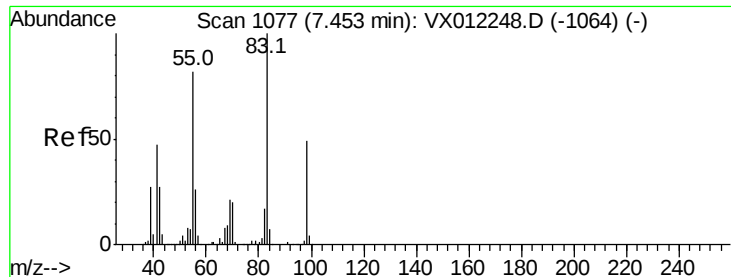
Tgt Ion: 43 Resp: 11476
Ion Ratio Lower Upper
43 100
61 17.5 10.3 15.5#
70 14.4 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 9.594 ug/l
RT: 5.76 min Scan# 800
Delta R.T. -0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 117 Resp: 24284
Ion Ratio Lower Upper
117 100
119 83.1 79.6 119.4
121 27.7 24.7 37.1

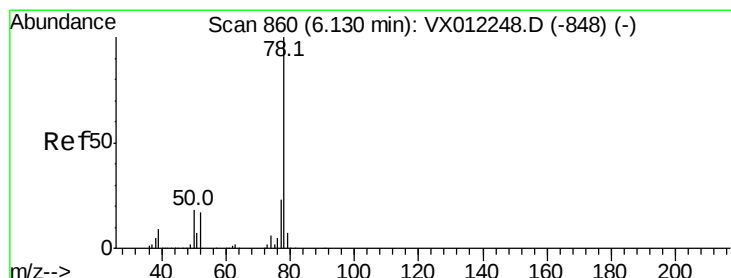
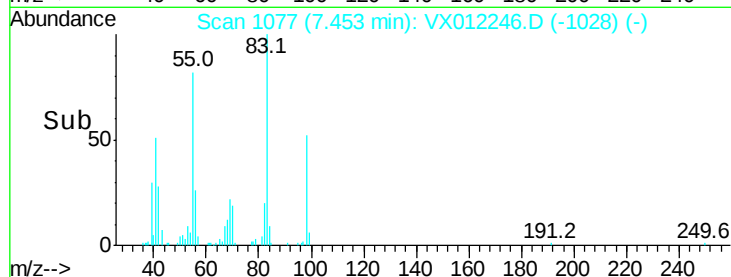
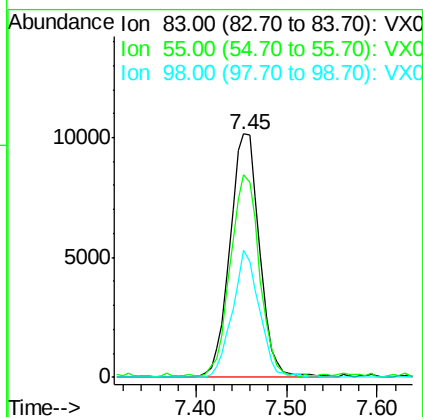
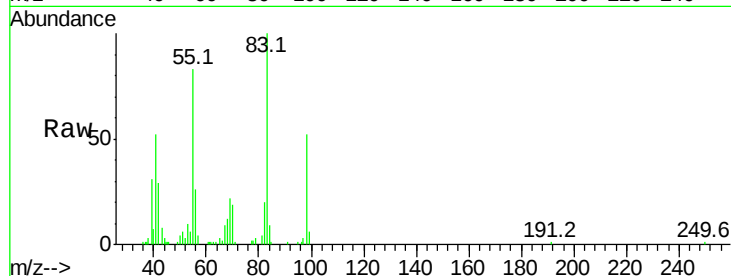




#39
Methylcyclohexane
Concen: 9.944 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

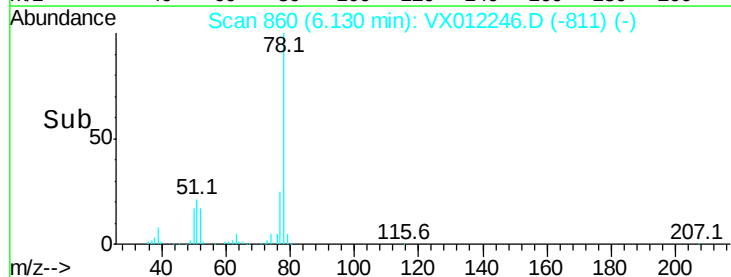
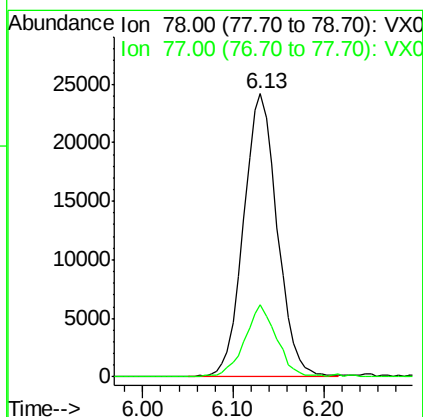
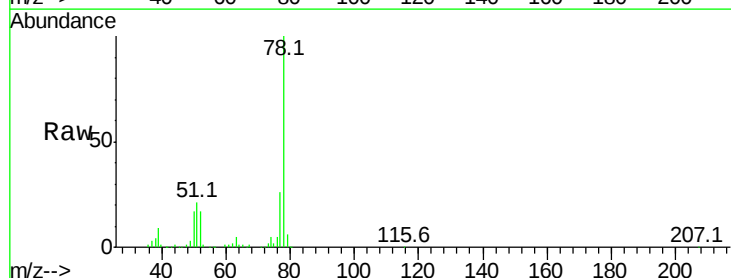
Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

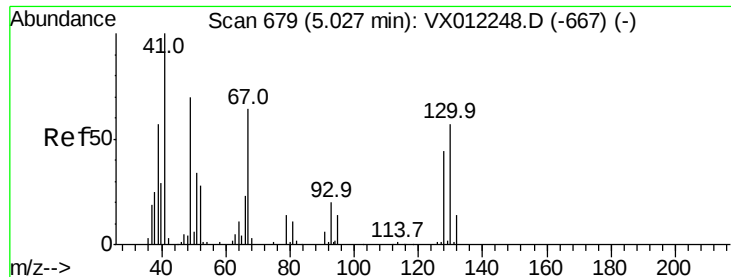
Tgt Ion: 83 Resp: 23127
Ion Ratio Lower Upper
83 100
55 82.3 65.4 98.2
98 52.2 39.6 59.4



#40
Benzene
Concen: 9.282 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 78 Resp: 62236
Ion Ratio Lower Upper
78 100
77 25.7 18.0 27.0





#41

Methacrylonitrile

Concen: 8.291 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 7471

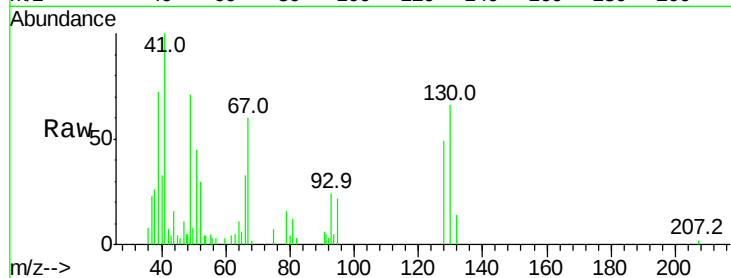
Ion Ratio Lower Upper

41 100

39 62.6 49.0 73.4

67 71.1 55.0 82.4

52 37.1 25.4 38.0

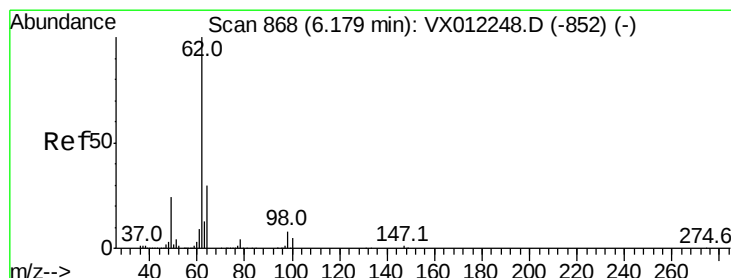
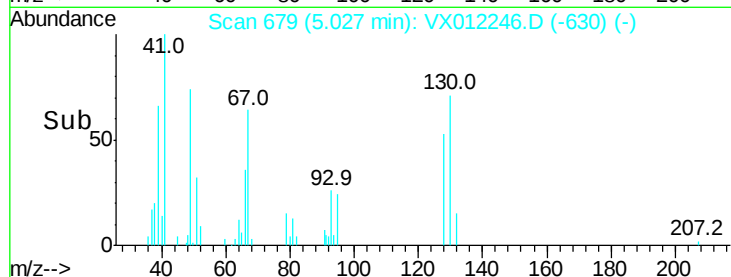
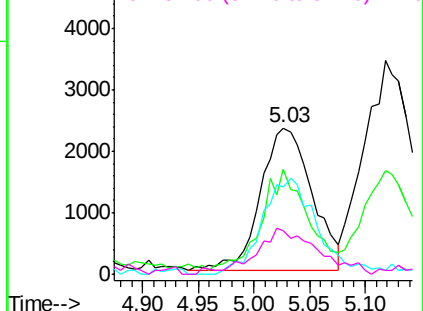


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 9.004 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX012246.D

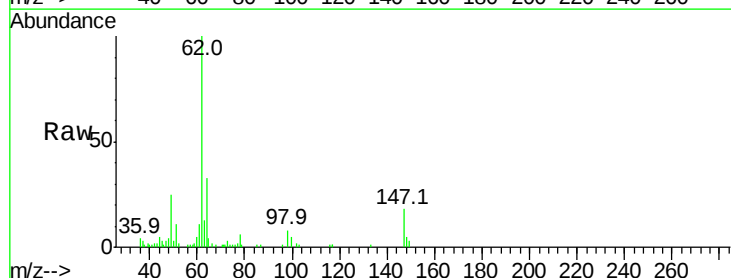
Acq: 10 Sep 2019 09:34

Tgt Ion: 62 Resp: 24397

Ion Ratio Lower Upper

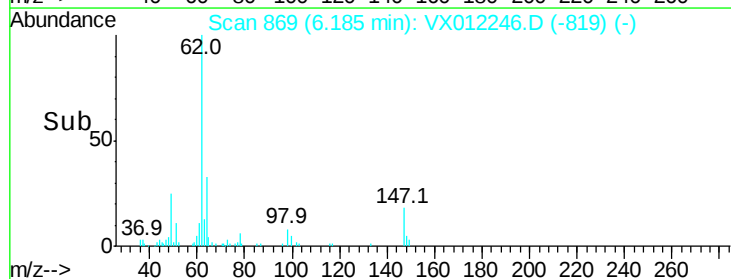
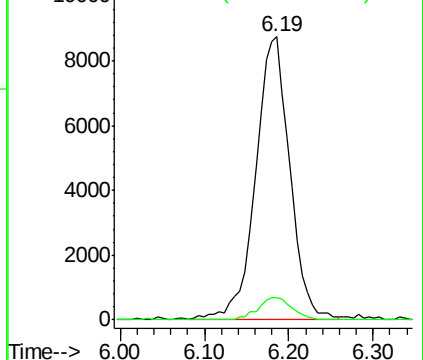
62 100

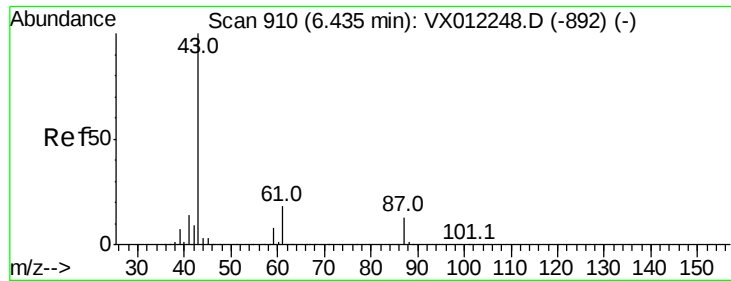
98 7.8 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

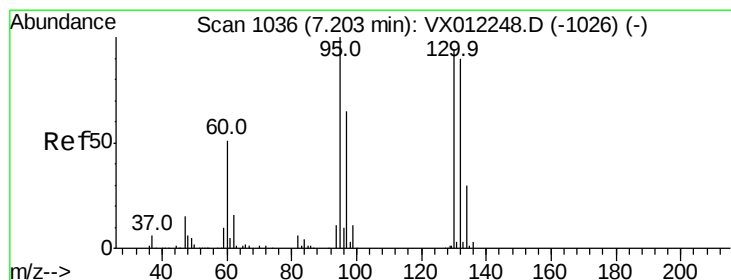
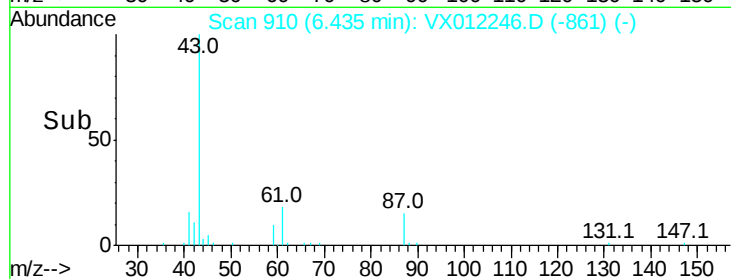
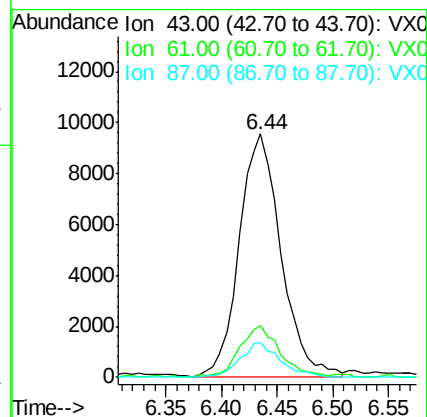
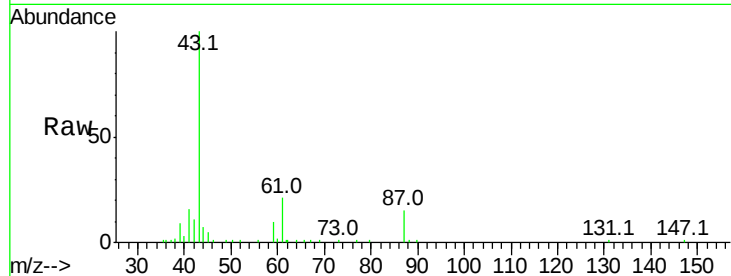




#43
Isopropyl Acetate
Concen: 8.275 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

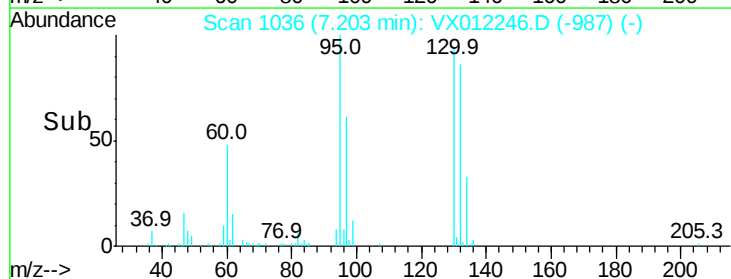
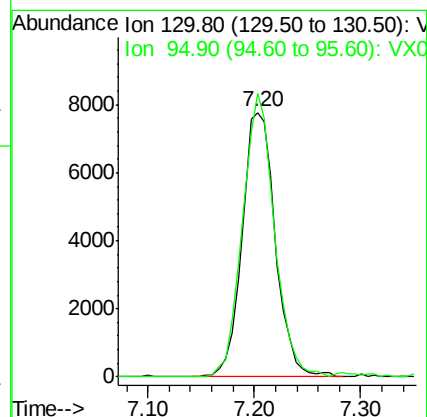
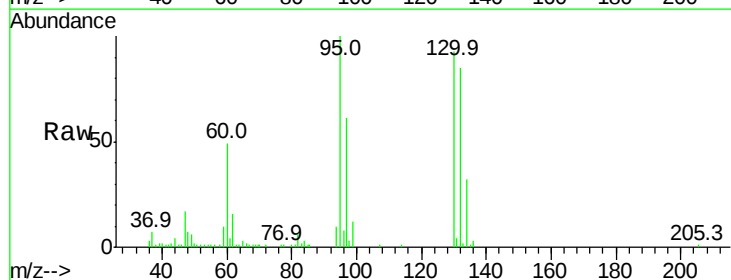
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

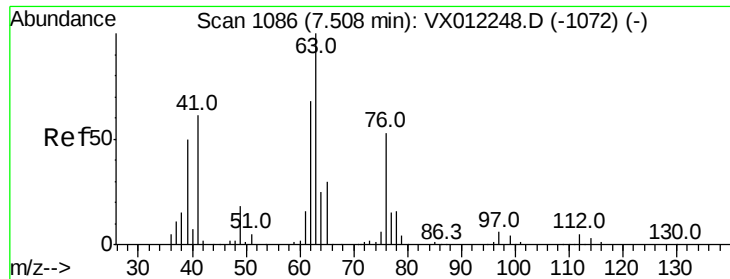
Tgt Ion: 43 Resp: 25009
Ion Ratio Lower Upper
43 100
61 20.5 15.4 23.2
87 13.7 10.5 15.7



#44
Trichloroethene
Concen: 9.417 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 130 Resp: 17029
Ion Ratio Lower Upper
130 100
95 107.1 0.0 212.0

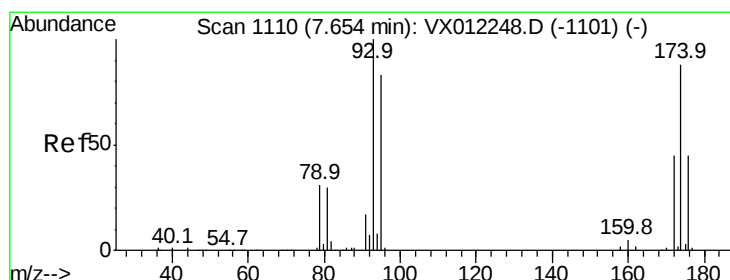
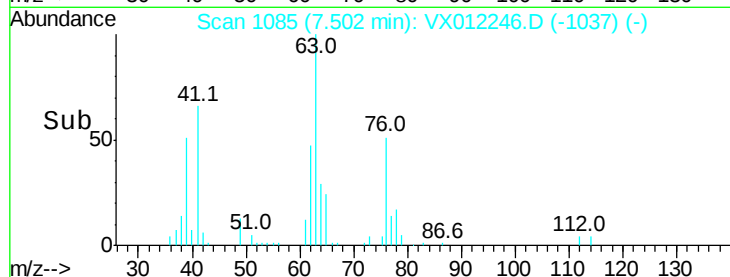
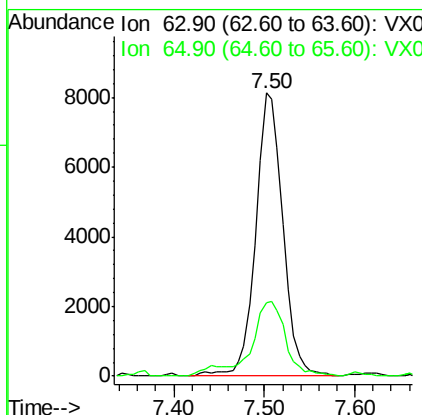
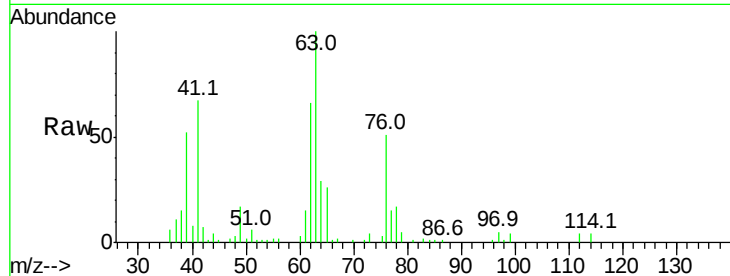




#45
 1,2-Dichloropropane
 Concen: 8.910 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

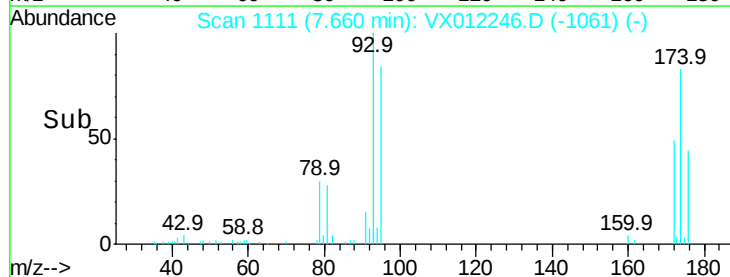
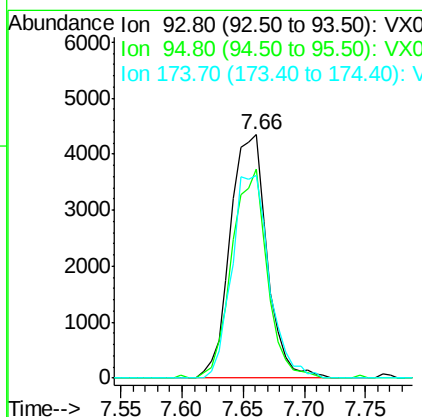
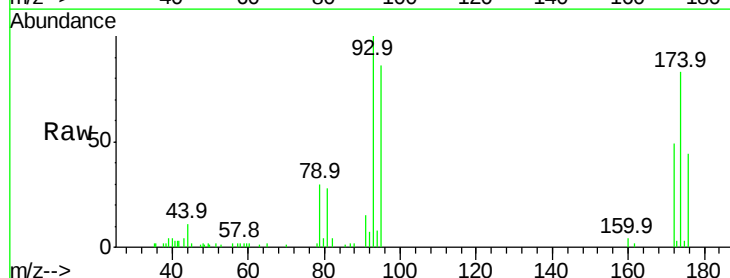
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

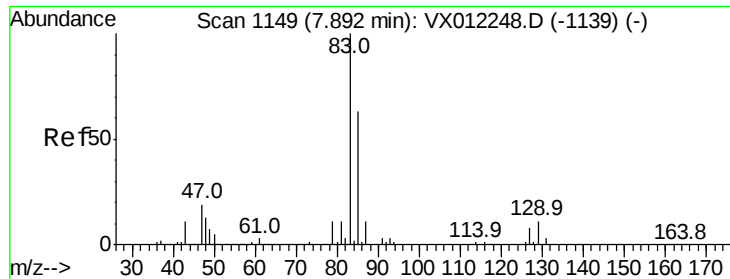
Tgt Ion: 63 Resp: 16863
 Ion Ratio Lower Upper
 63 100
 65 25.9 24.3 36.5



#46
 Dibromomethane
 Concen: 8.453 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion: 93 Resp: 9099
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.7 98.5
 174 84.1 71.0 106.4





#47

Bromodichloromethane

Concen: 8.227 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

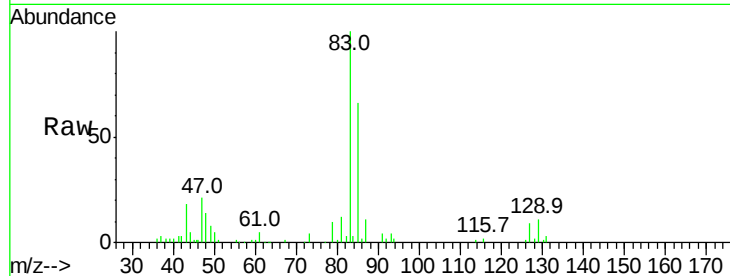
Tgt Ion: 83 Resp: 23703

Ion Ratio Lower Upper

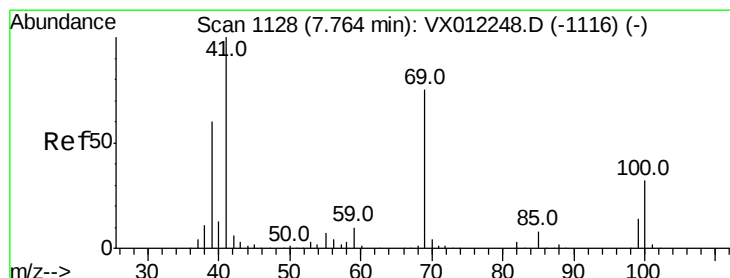
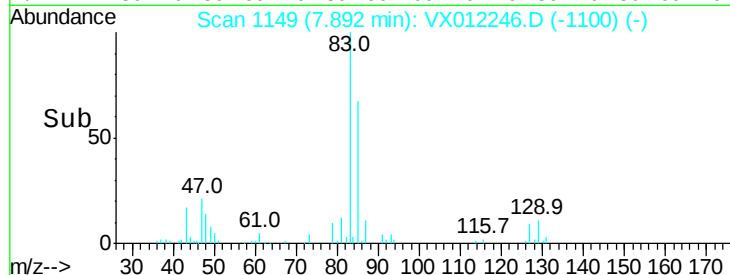
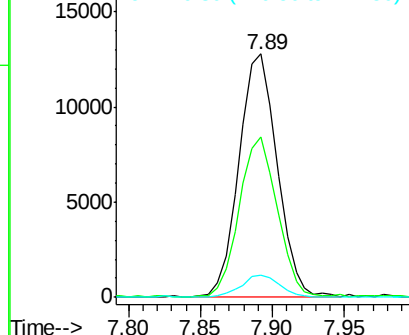
83 100

85 65.9 50.2 75.4

127 9.3 6.3 9.5



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: 8.312 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

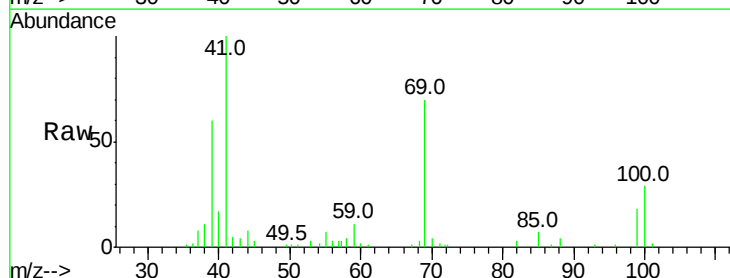
Tgt Ion: 41 Resp: 12072

Ion Ratio Lower Upper

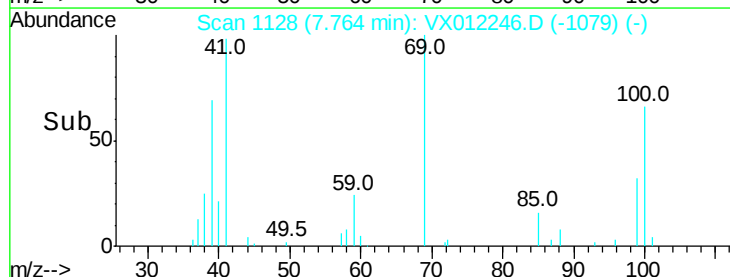
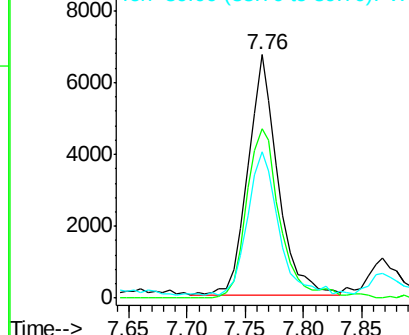
41 100

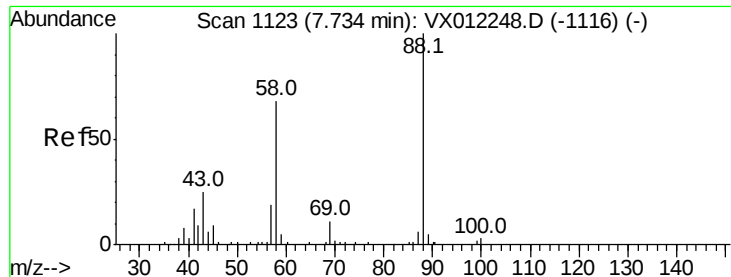
69 78.1 61.8 92.6

39 62.1 48.6 73.0



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

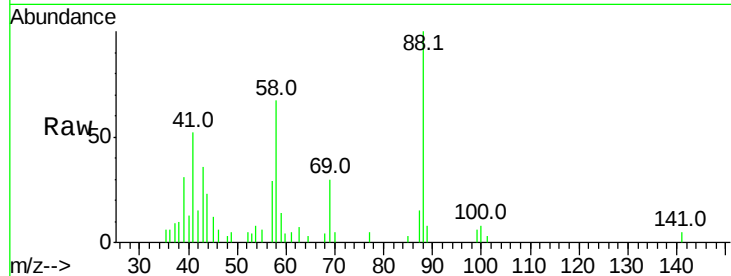




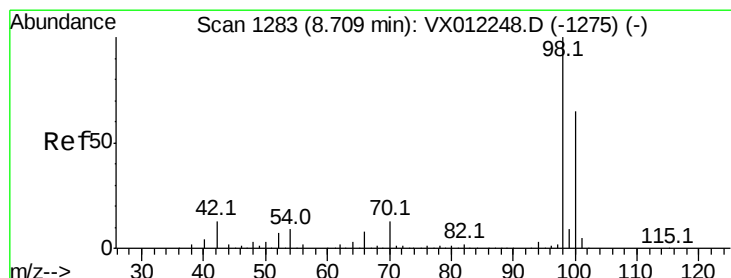
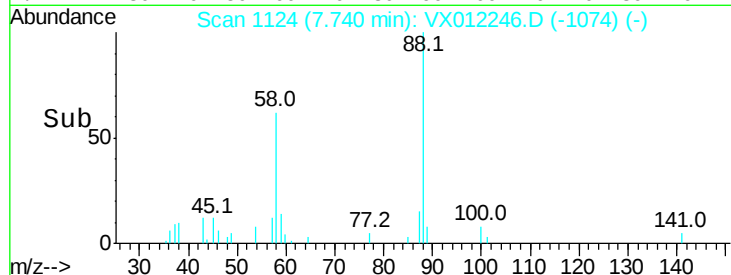
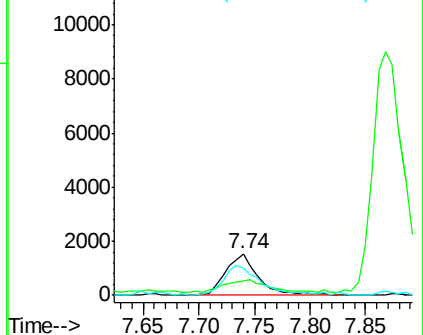
#49
1,4-Dioxane
Concen: 152.571 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tgt Ion: 88 Resp: 3110
Ion Ratio Lower Upper
88 100
43 40.6 31.0 46.4
58 82.3 61.5 92.3

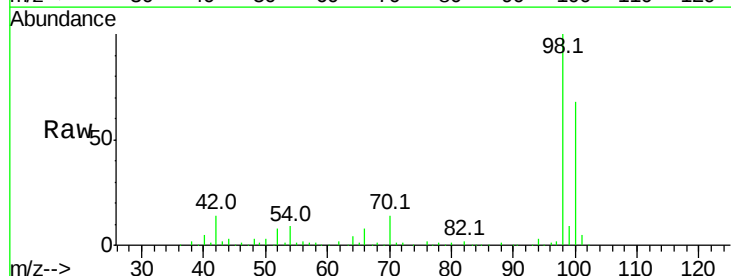


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

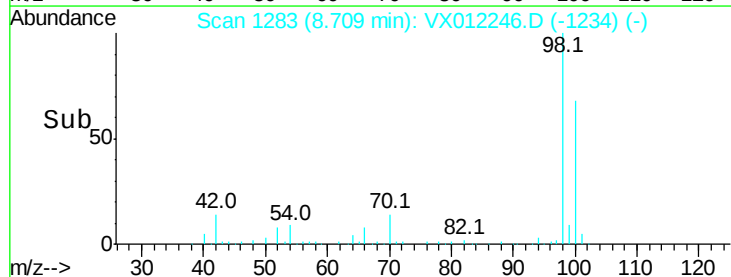
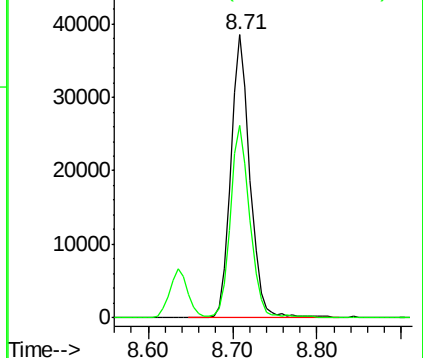


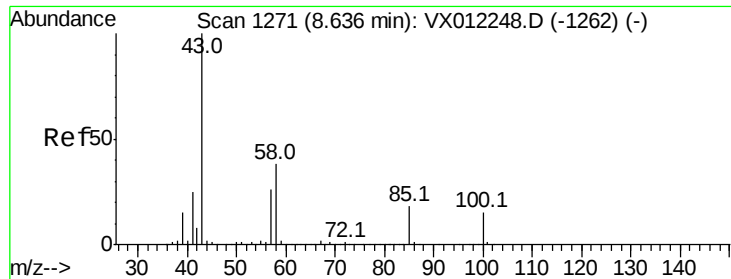
#50
Toluene-d8
Concen: 8.865 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 98 Resp: 59690
Ion Ratio Lower Upper
98 100
100 67.0 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 41.922 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

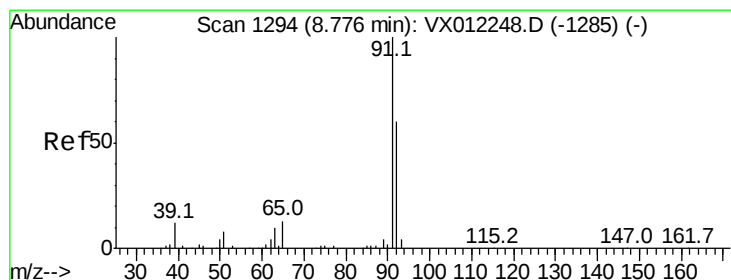
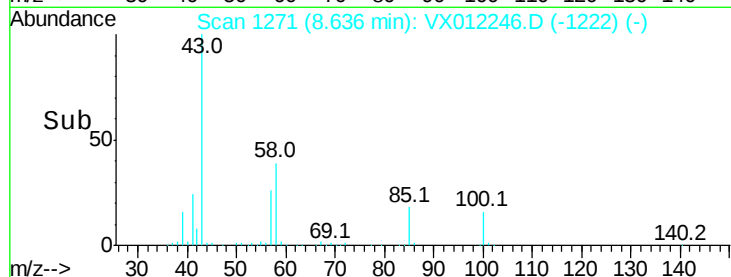
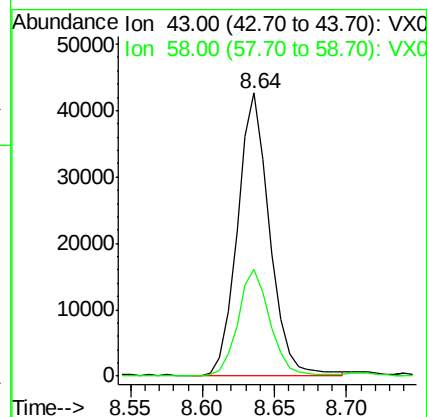
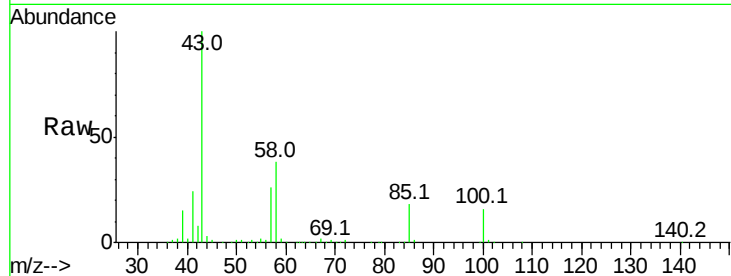
VSTDIC010

Tgt Ion: 43 Resp: 65921

Ion Ratio Lower Upper

43 100

58 37.8 30.1 45.1



#52

Toluene

Concen: 9.345 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX012246.D

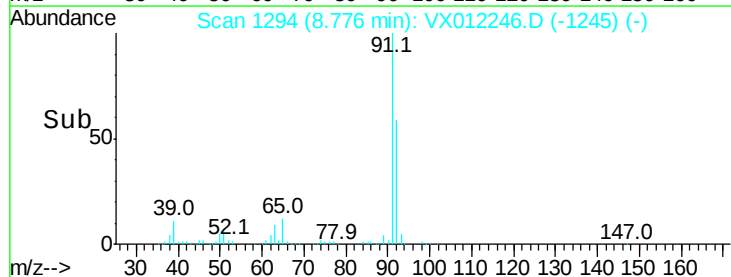
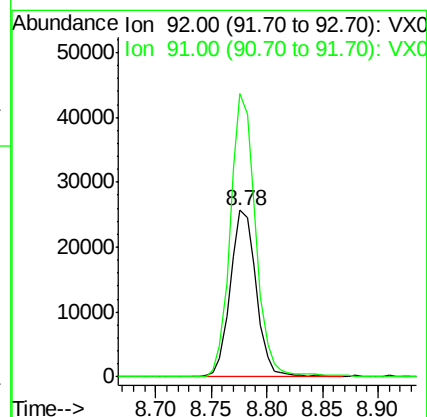
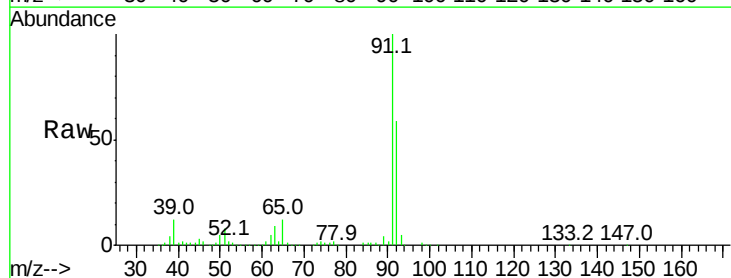
Acq: 10 Sep 2019 09:34

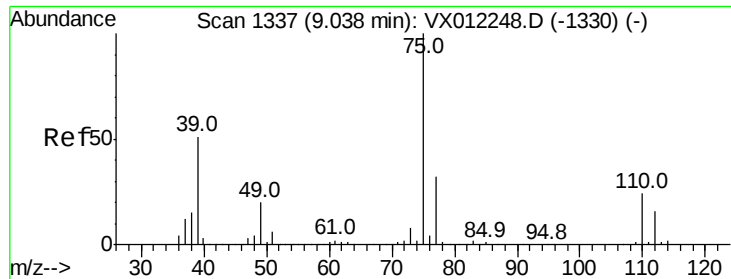
Tgt Ion: 92 Resp: 41621

Ion Ratio Lower Upper

92 100

91 165.2 133.6 200.4

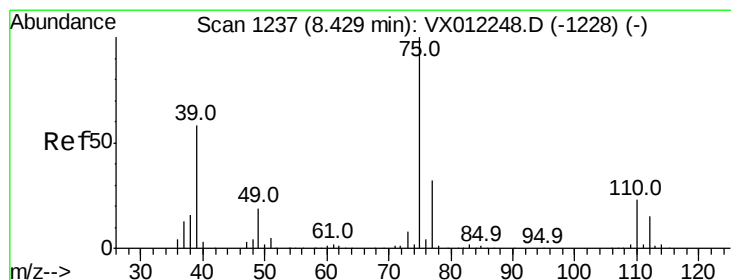
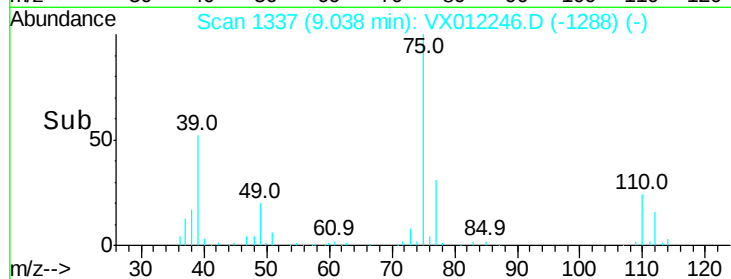
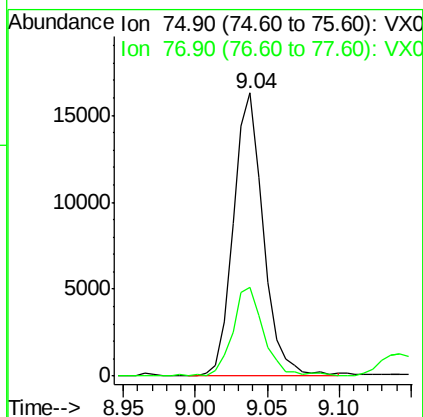
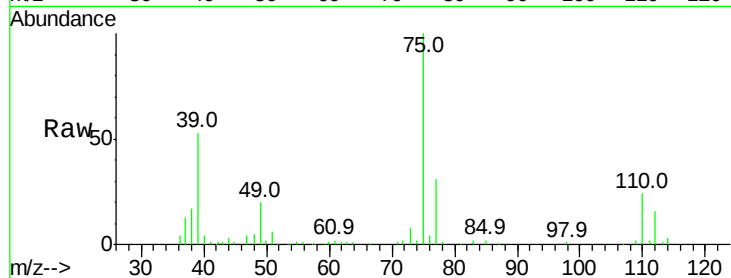




#53
 t-1,3-Dichloropropene
 Concen: 8.256 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

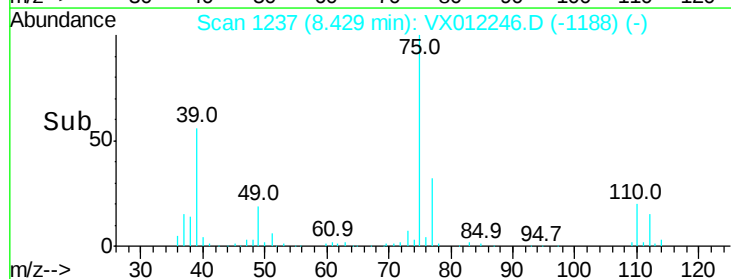
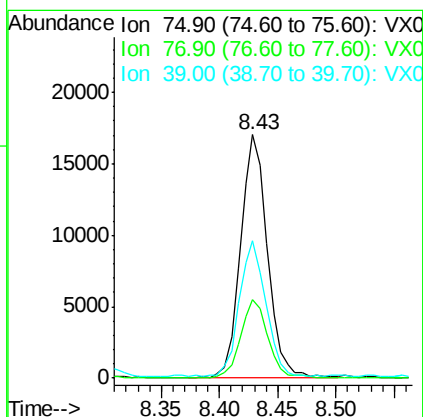
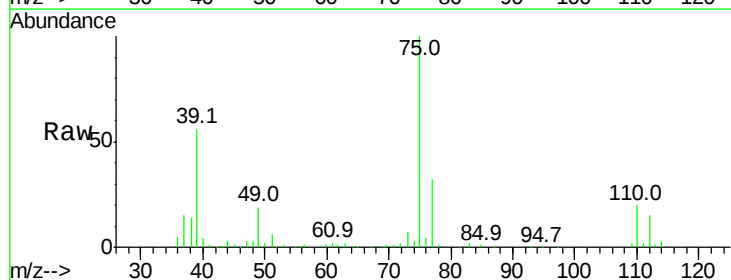
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

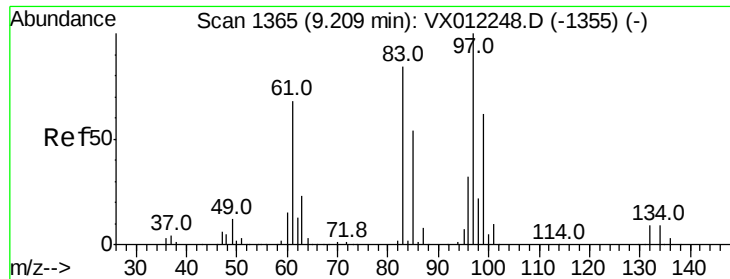
Tgt Ion: 75 Resp: 23715
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 8.790 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion: 75 Resp: 27547
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2
 39 55.4 46.5 69.7

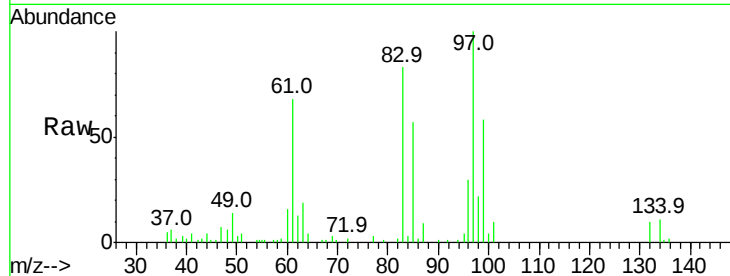




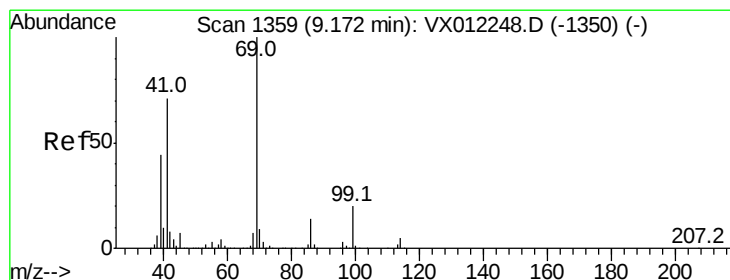
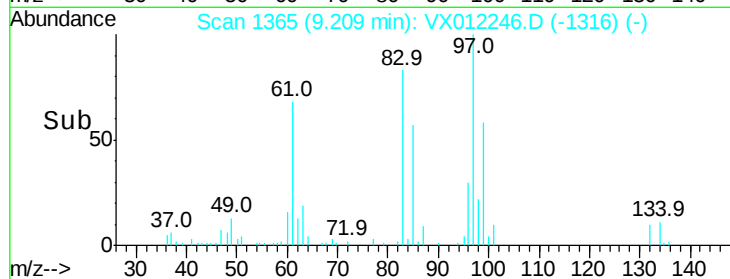
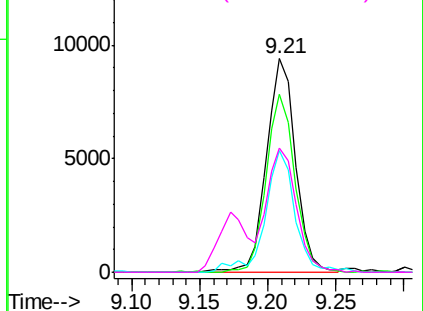
#55
 1,1,2-Trichloroethane
 Concen: 8.654 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tgt Ion:	97	Resp:	14138
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.4	101.2
85	57.2	43.4	65.2
99	58.0	49.8	74.6

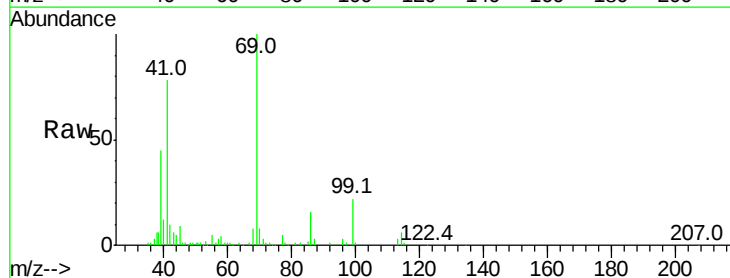


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

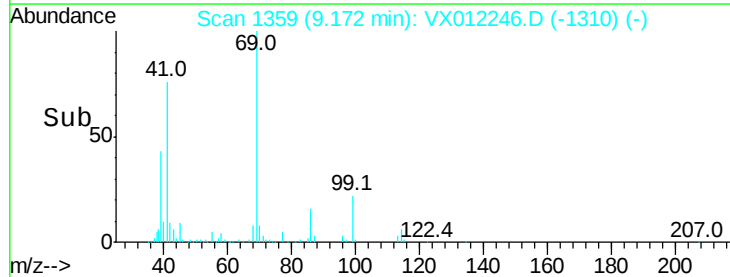
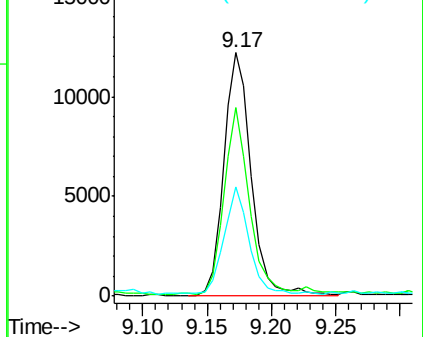


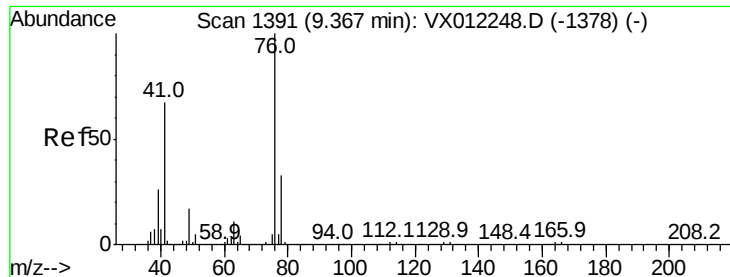
#56
 Ethyl methacrylate
 Concen: 8.023 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion:	69	Resp:	18324
Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.7	86.5
39	41.6	34.0	51.0



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





#57

1,3-Dichloropropane

Concen: 8.571 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

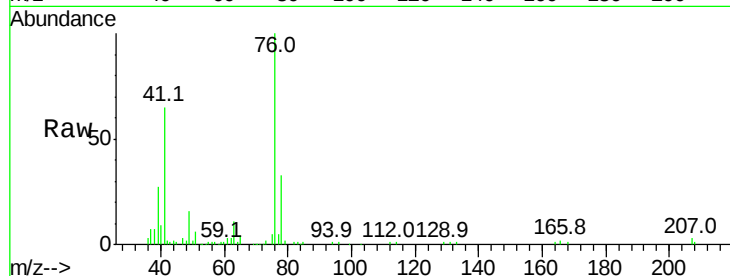
VSTDIC010

Tgt Ion: 76 Resp: 23935

Ion Ratio Lower Upper

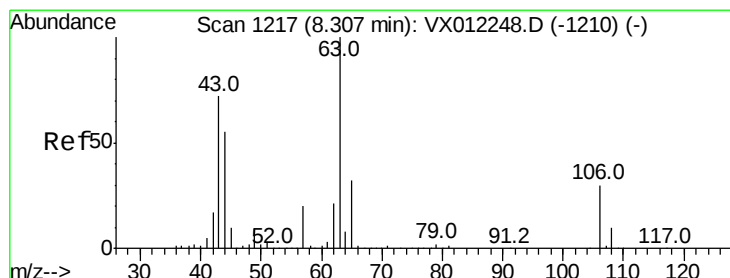
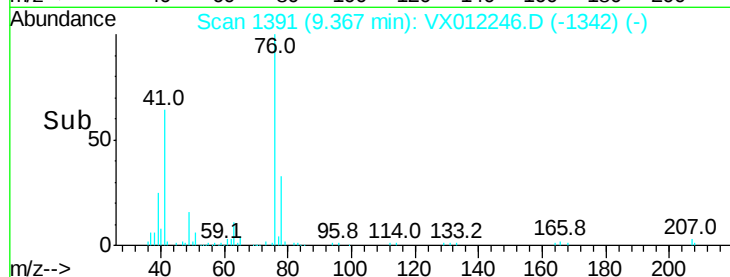
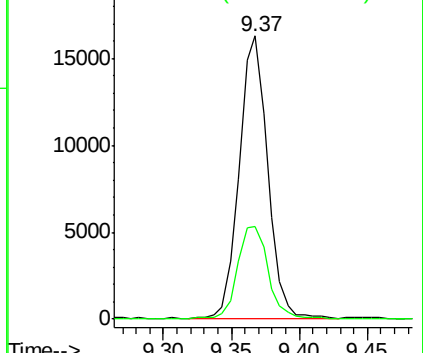
76 100

78 35.3 26.0 39.0



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: 45.017 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012246.D

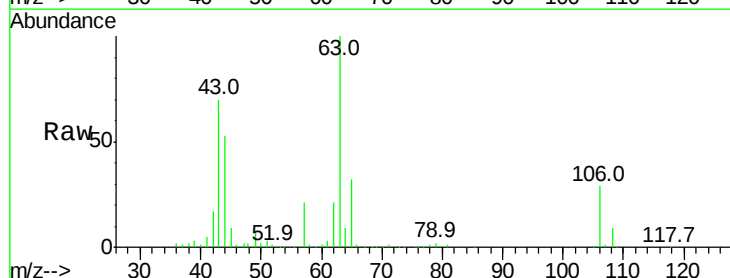
Acq: 10 Sep 2019 09:34

Tgt Ion: 63 Resp: 48825

Ion Ratio Lower Upper

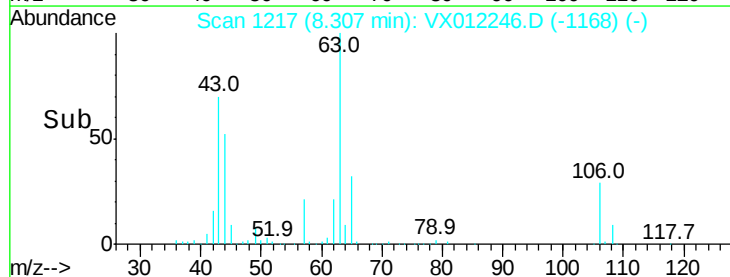
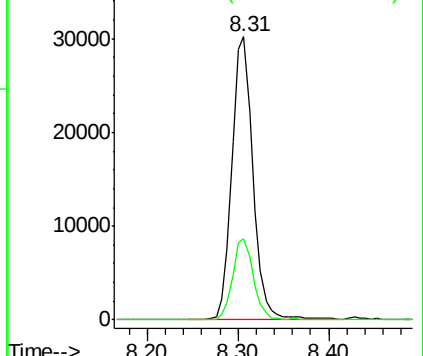
63 100

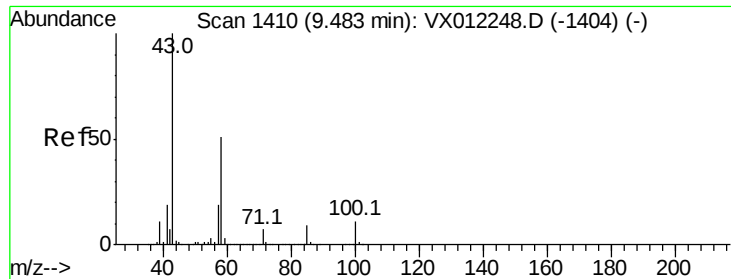
106 28.5 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

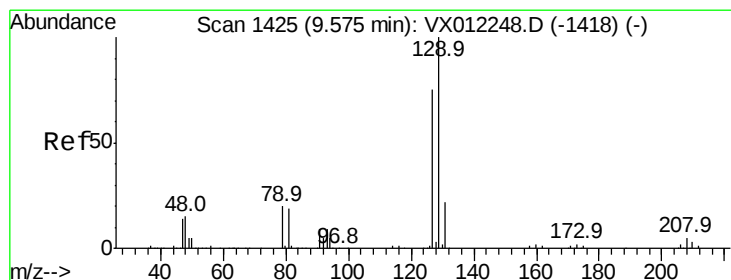
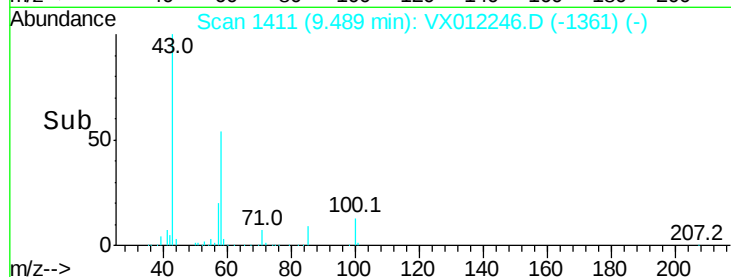
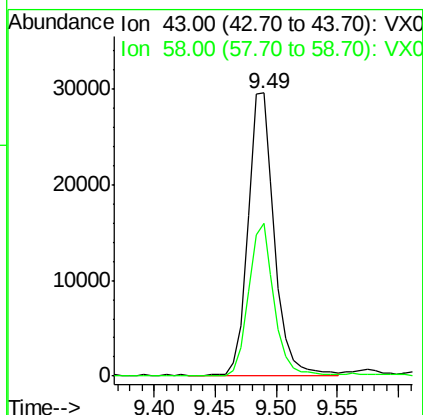
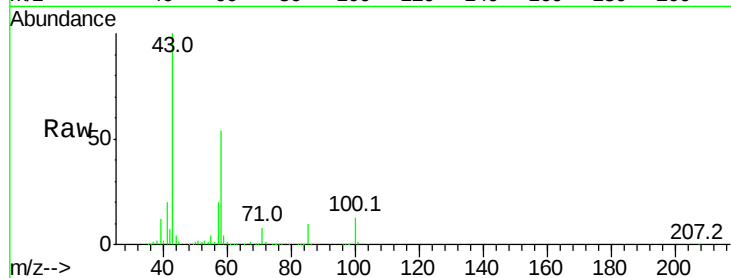




#59
2-Hexanone
Concen: 39.923 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

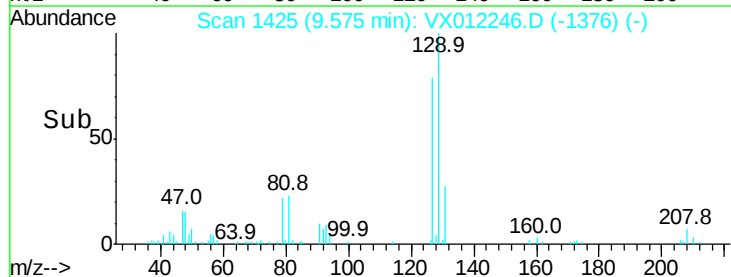
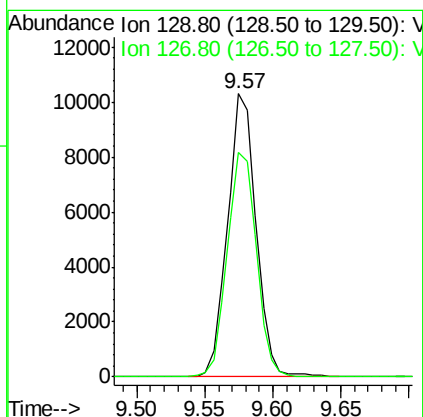
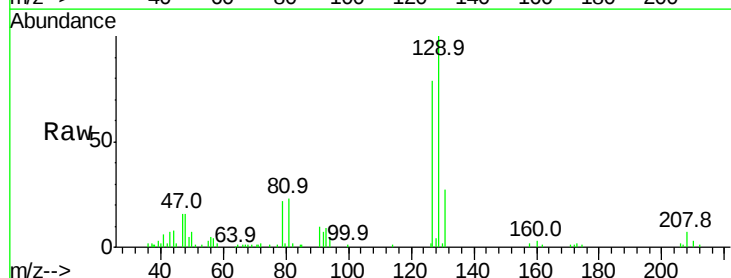
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

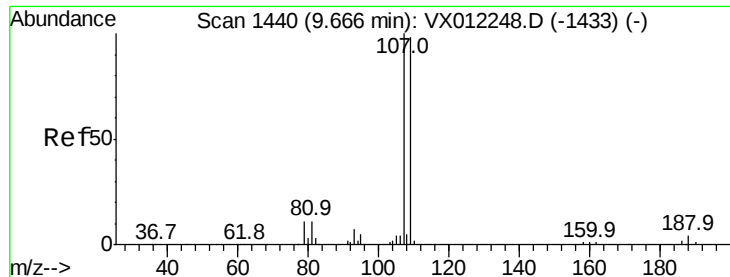
Tgt Ion: 43 Resp: 44602
Ion Ratio Lower Upper
43 100
58 52.2 25.8 77.3



#60
Dibromochloromethane
Concen: 7.758 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 129 Resp: 15032
Ion Ratio Lower Upper
129 100
127 81.2 38.1 114.3

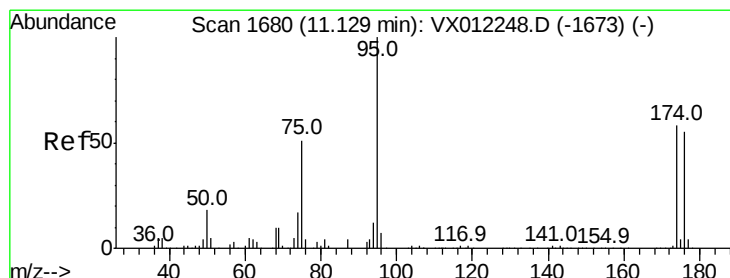
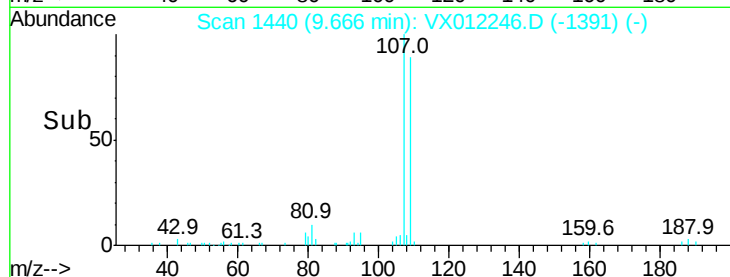
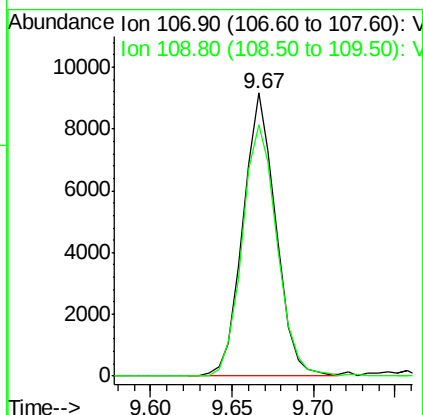
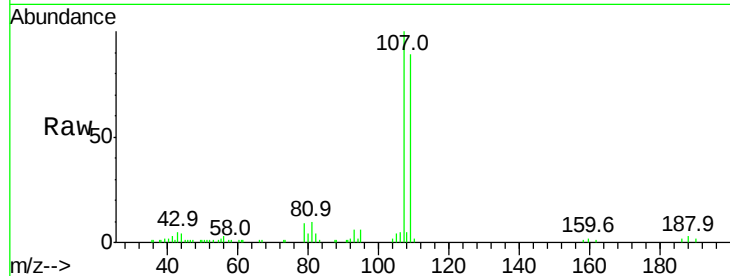




#61
 1,2-Dibromoethane
 Concen: 8.454 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

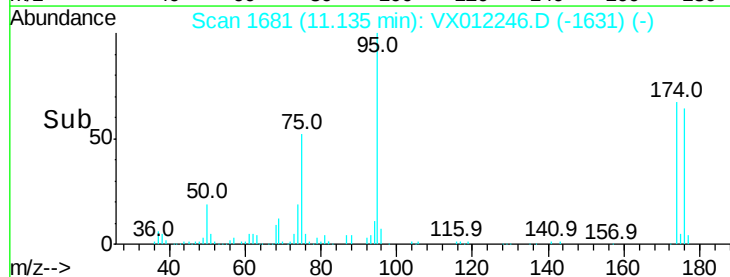
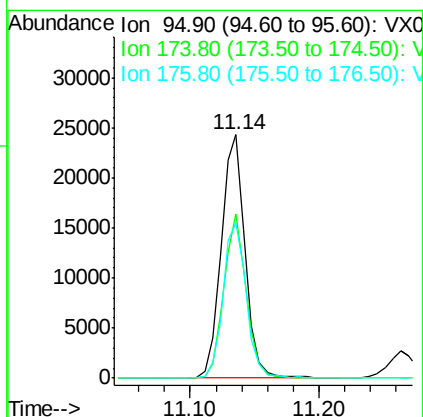
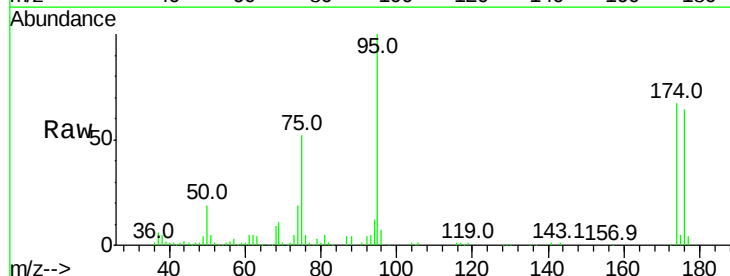
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

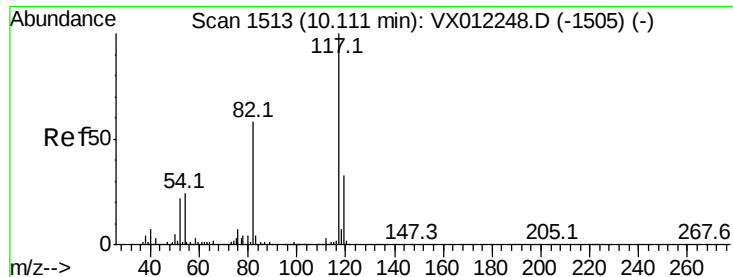
Tgt Ion: 107 Resp: 12878
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 10.111 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion: 95 Resp: 31597
 Ion Ratio Lower Upper
 95 100
 174 63.7 0.0 127.0
 176 62.3 0.0 125.8

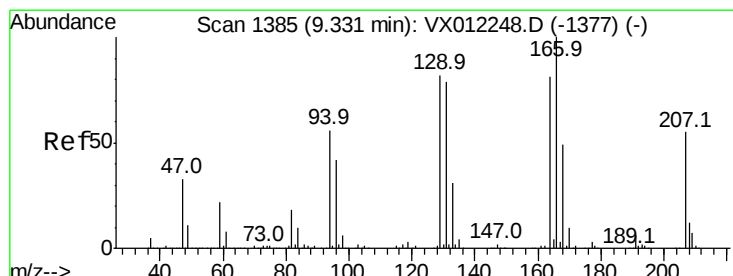
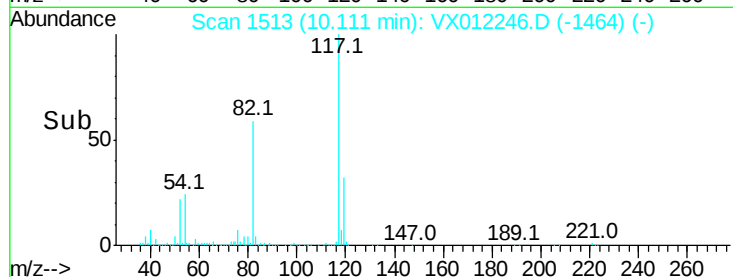
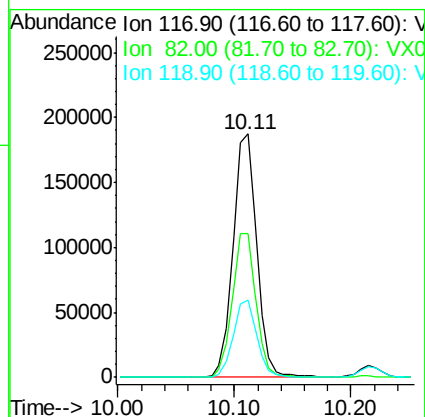
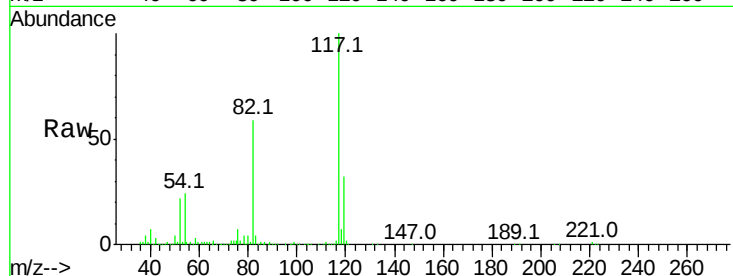




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

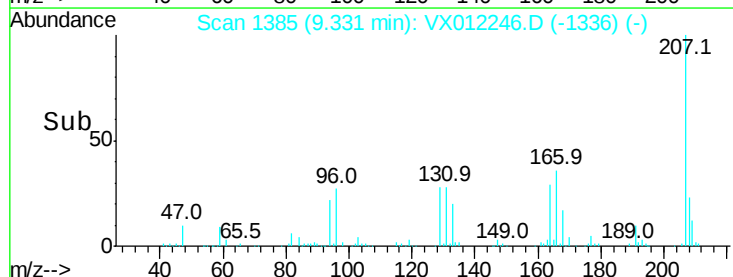
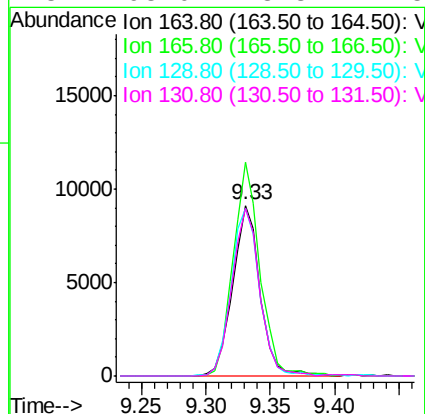
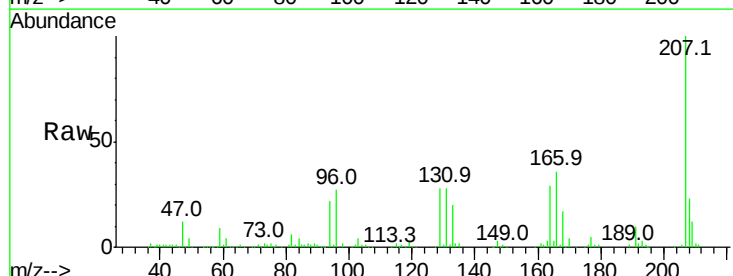
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

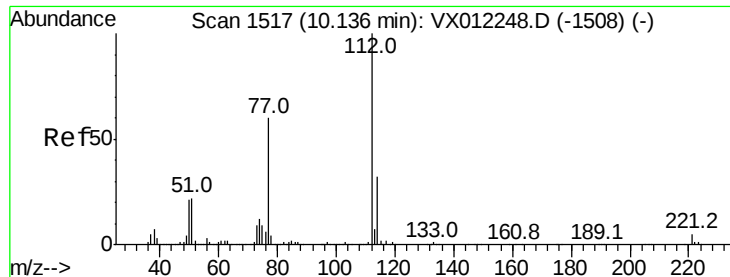
Tgt Ion:117 Resp: 265794
Ion Ratio Lower Upper
117 100
82 58.8 46.4 69.6
119 31.6 26.6 39.8



#64
Tetrachloroethene
Concen: 9.175 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion:164 Resp: 13608
Ion Ratio Lower Upper
164 100
166 125.0 99.4 149.0
129 98.2 81.8 122.8
131 98.0 78.3 117.5

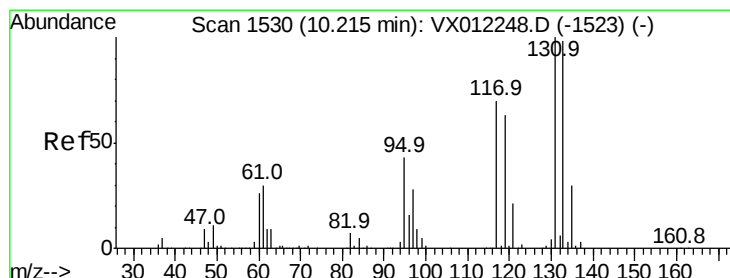
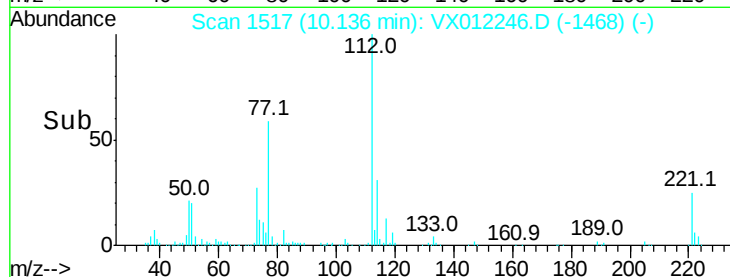
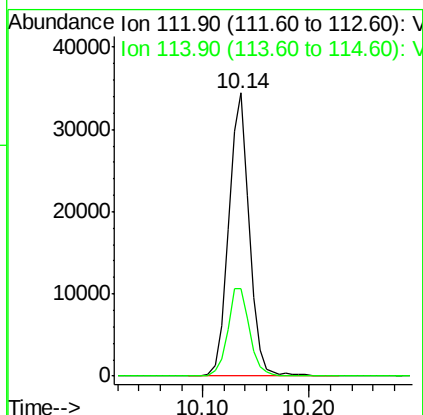
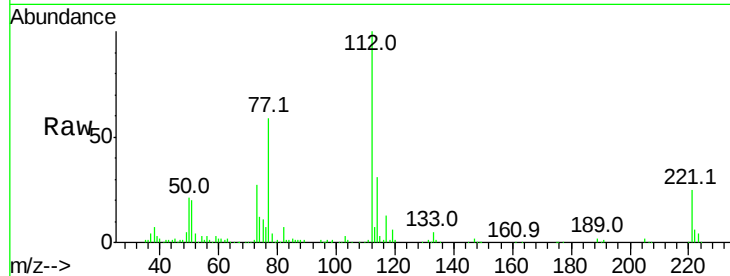




#65
Chlorobenzene
Concen: 8.726 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

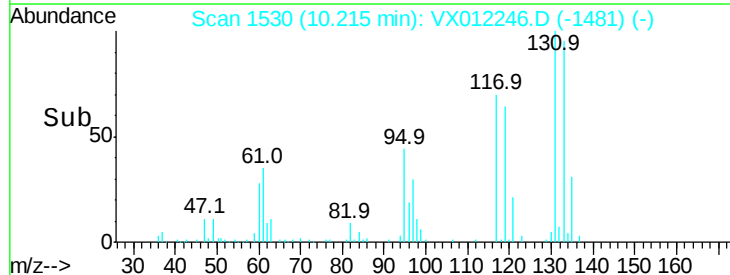
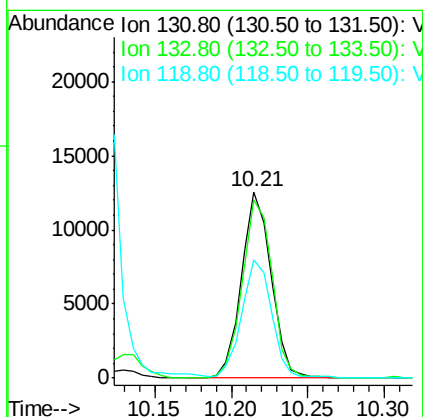
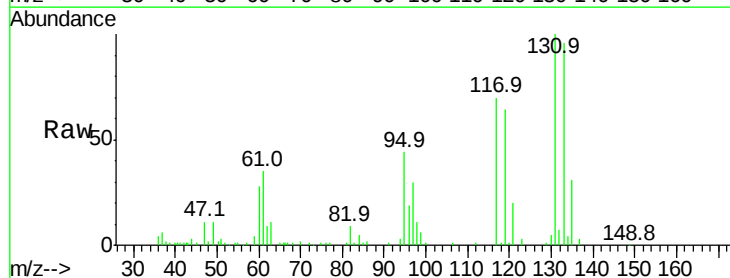
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

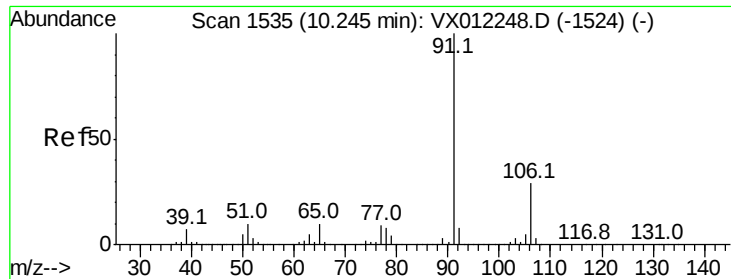
Tgt Ion:112 Resp: 46447
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 8.311 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion:131 Resp: 16938
Ion Ratio Lower Upper
131 100
133 96.8 48.0 144.2
119 64.7 31.6 95.0

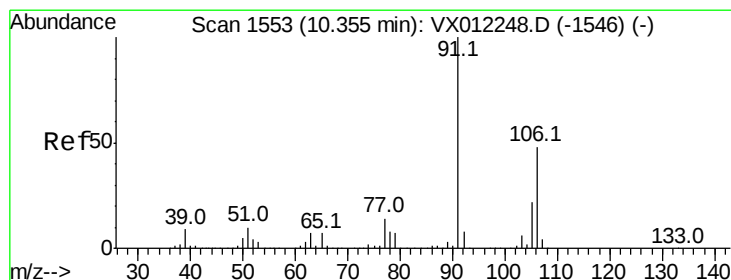
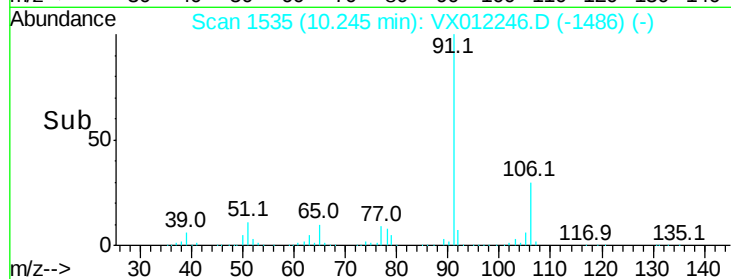
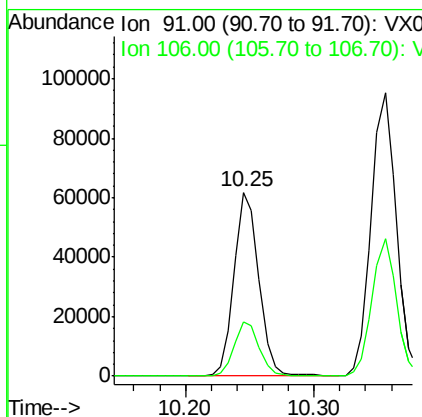
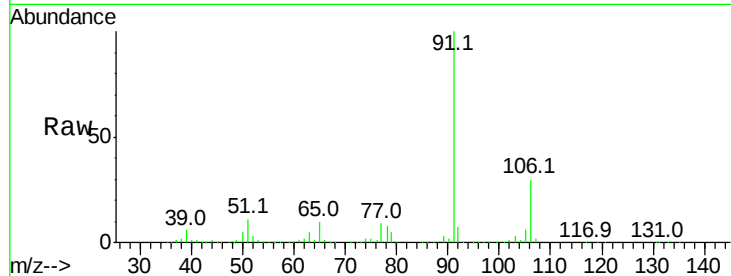




#67
Ethyl Benzene
Concen: 8.946 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

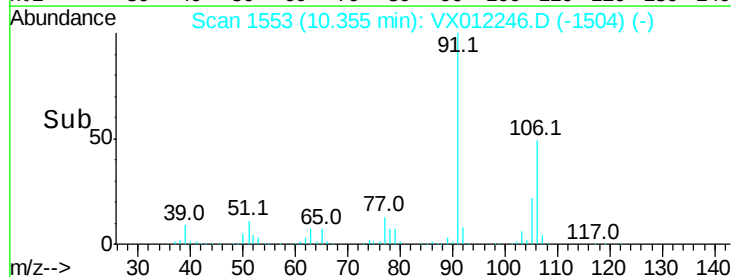
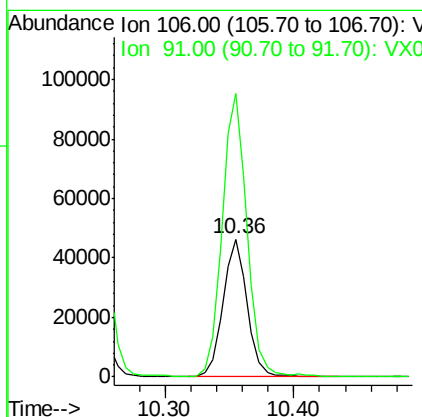
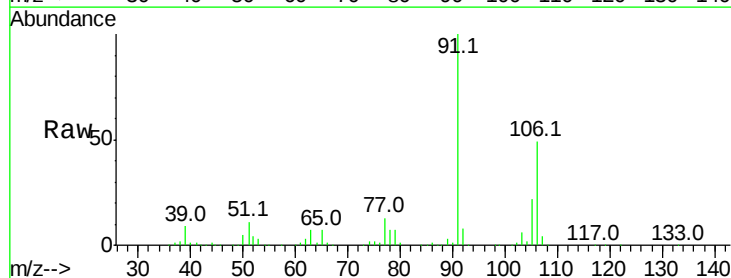
Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

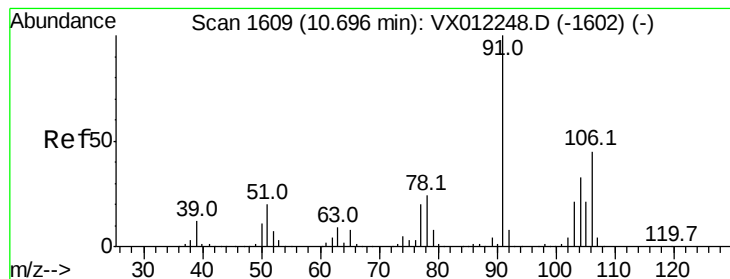
Tgt Ion: 91 Resp: 83520
Ion Ratio Lower Upper
91 100
106 29.6 23.1 34.7



#68
m/p-Xylenes
Concen: 17.729 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 106 Resp: 61046
Ion Ratio Lower Upper
106 100
91 211.8 167.0 250.6





#69

o-Xylene

Concen: 8.925 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampled :

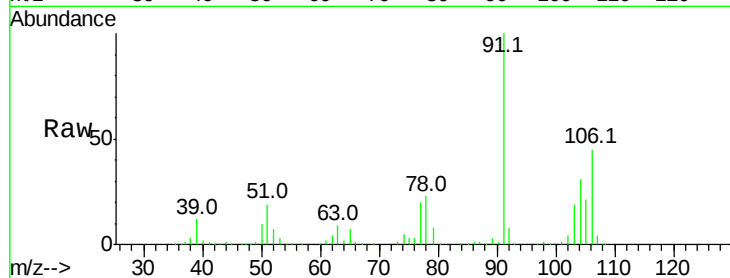
VSTDIC010

Tgt Ion:106 Resp: 29983

Ion Ratio Lower Upper

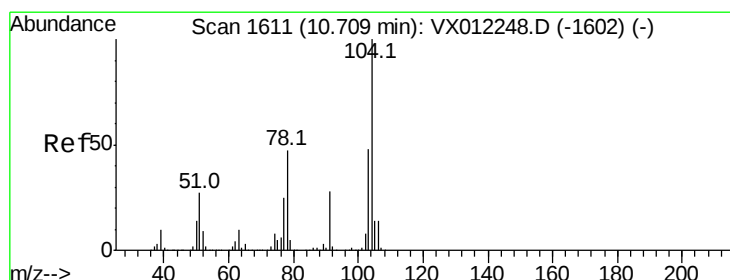
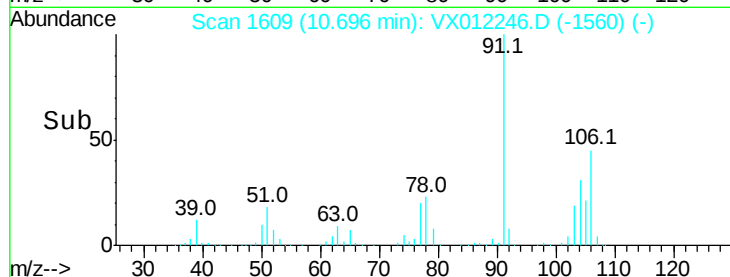
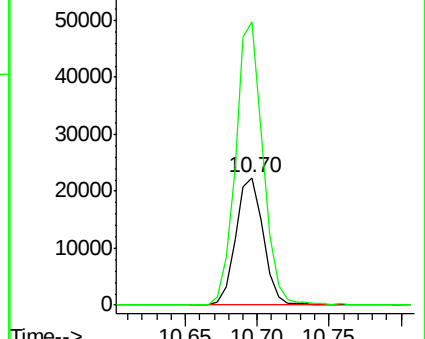
106 100

91 220.2 110.5 331.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 8.313 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

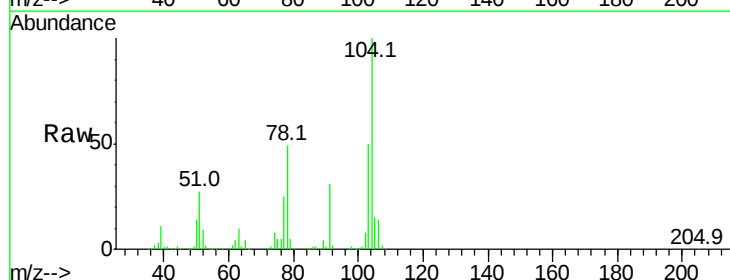
Tgt Ion:104 Resp: 50220

Ion Ratio Lower Upper

104 100

78 56.0 44.2 66.2

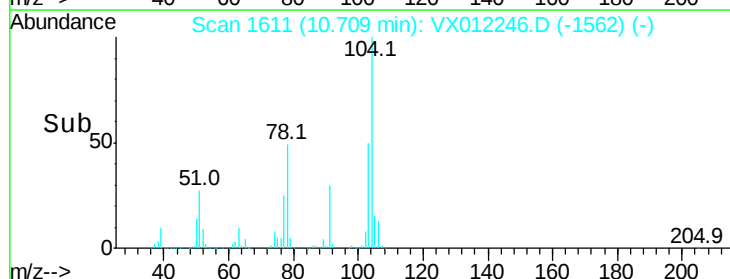
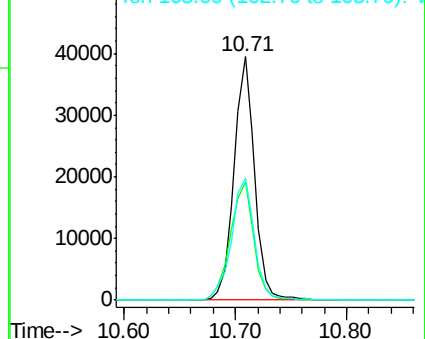
103 56.0 42.5 63.7

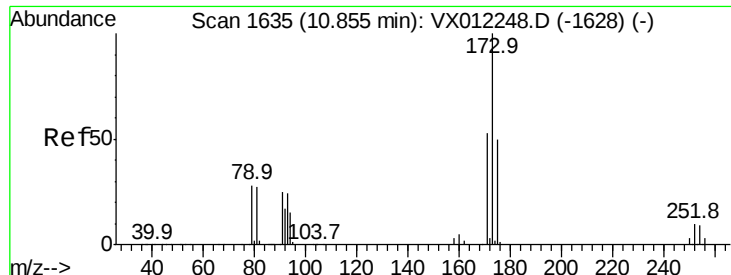


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V

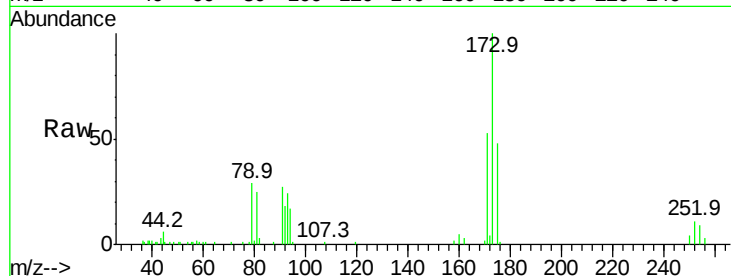




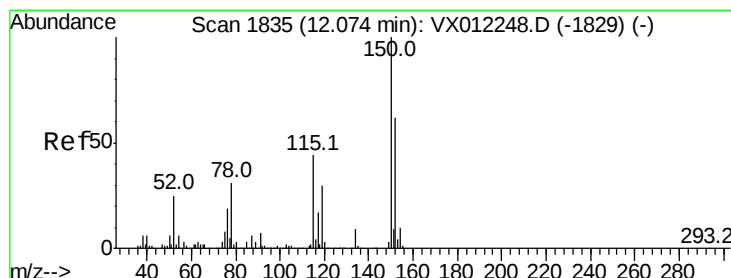
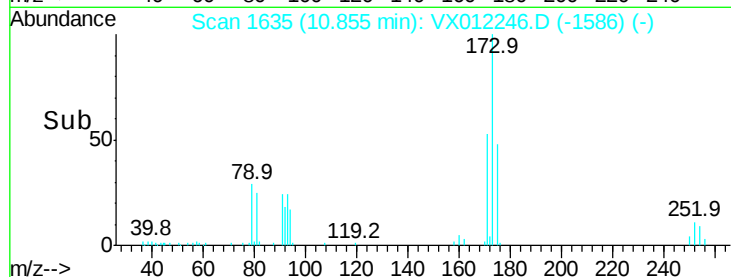
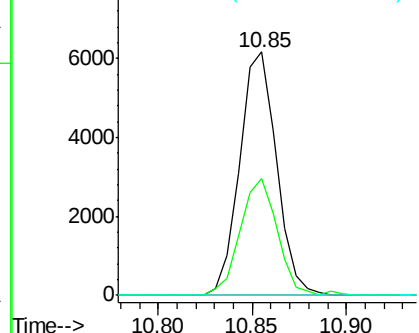
#71
Bromoform
Concen: 7.862 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tgt Ion:173 Resp: 8355
Ion Ratio Lower Upper
173 100
175 48.1 24.5 73.5
254 0.0 0.2 0.4#

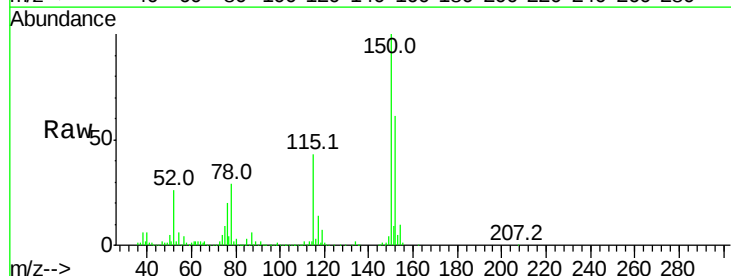


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

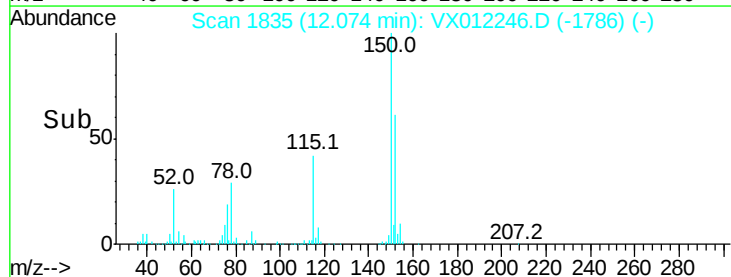
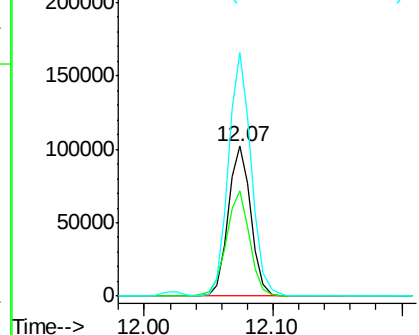


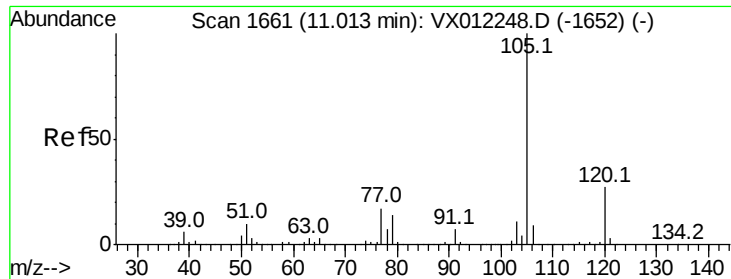
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion:152 Resp: 125821
Ion Ratio Lower Upper
152 100
115 72.9 45.5 136.4
150 164.0 0.0 346.4



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: 9.275 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

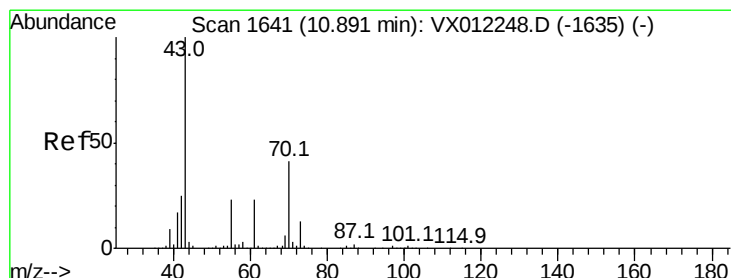
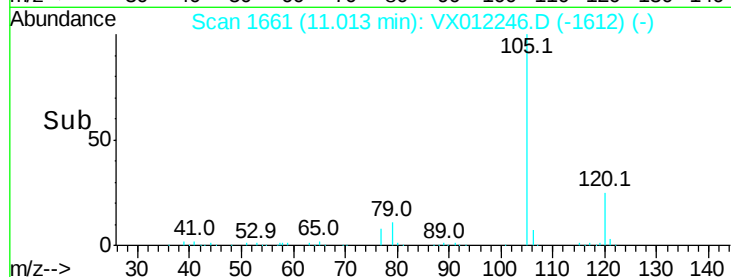
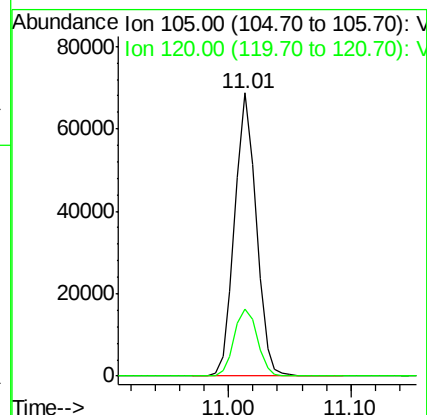
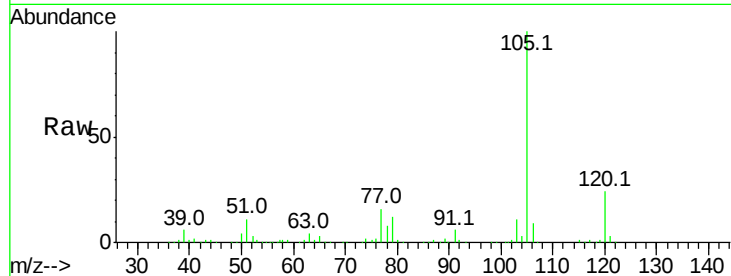
VSTDIC010

Tgt Ion:105 Resp: 83649

Ion Ratio Lower Upper

105 100

120 25.6 13.2 39.5



#74

N-ethyl acetate

Concen: 7.661 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Tgt Ion: 43 Resp: 22108

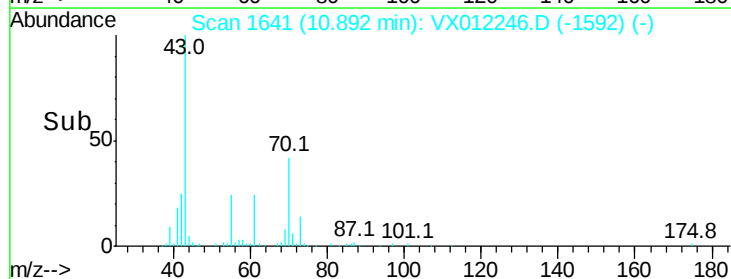
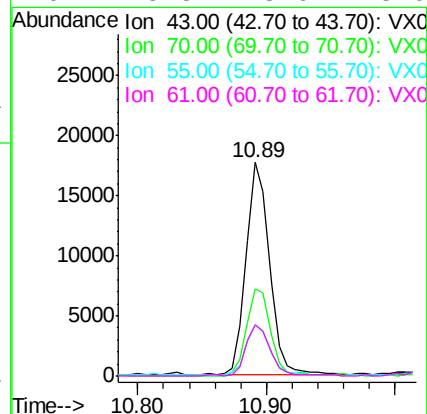
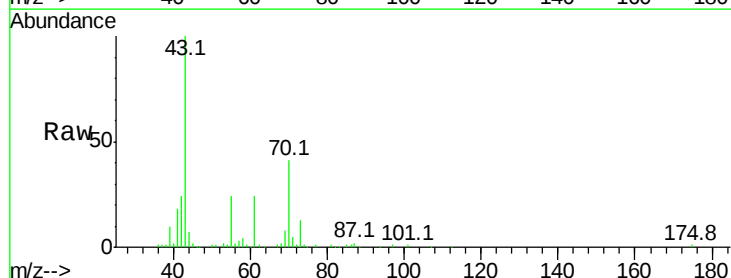
Ion Ratio Lower Upper

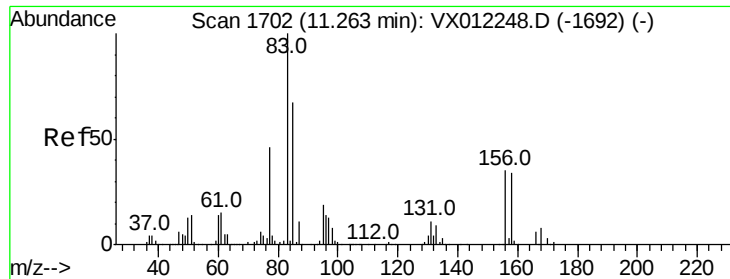
43 100

70 42.8 32.9 49.3

55 26.5 19.1 28.7

61 25.8 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 8.441 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

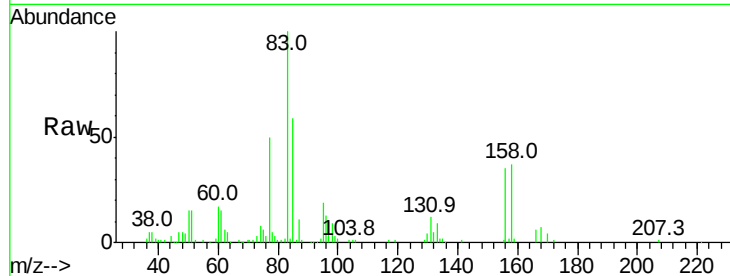
Tgt Ion: 83 Resp: 17110

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.4

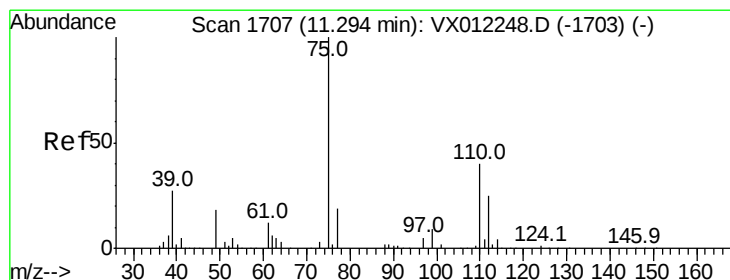
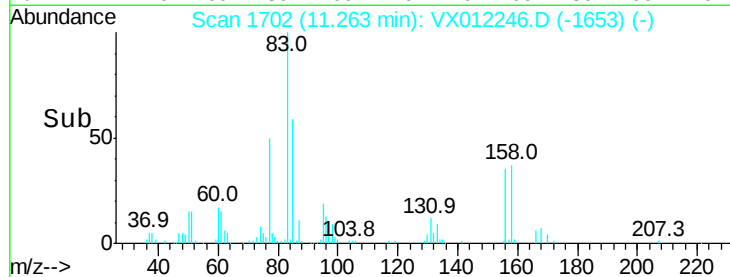
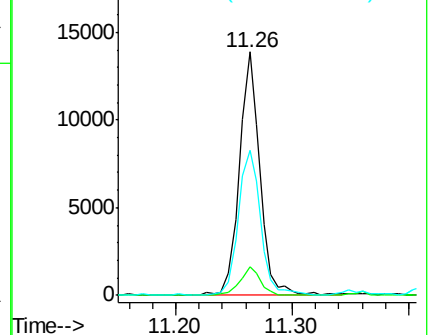
85 64.8 32.8 98.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 10.416 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012246.D

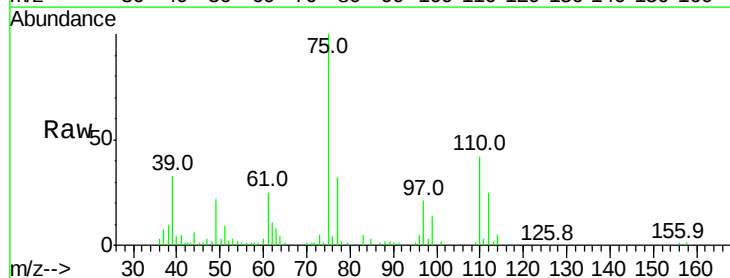
Acq: 10 Sep 2019 09:34

Tgt Ion: 75 Resp: 18312

Ion Ratio Lower Upper

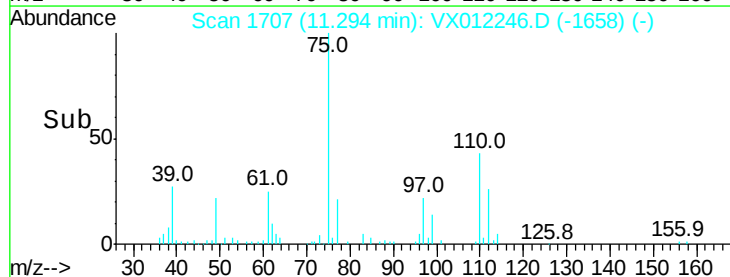
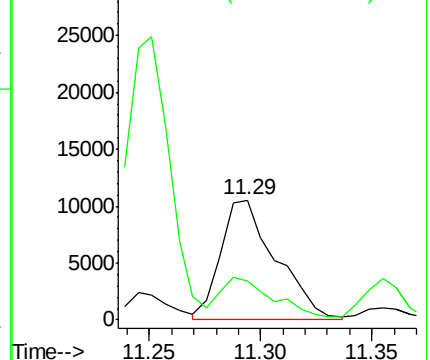
75 100

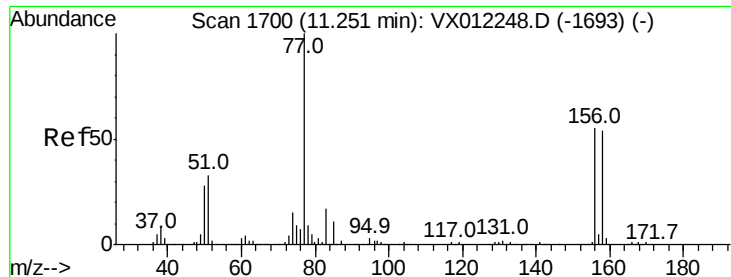
77 33.6 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 8.810 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

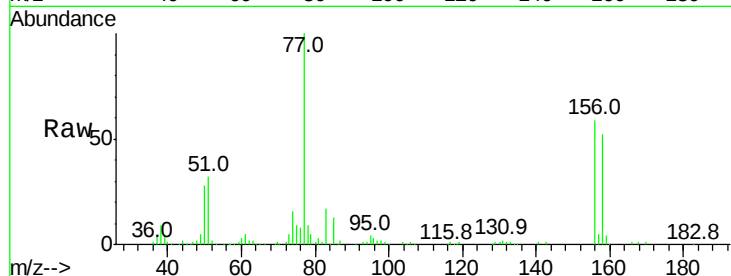
Tgt Ion:156 Resp: 18991

Ion Ratio Lower Upper

156 100

77 182.1 92.2 276.6

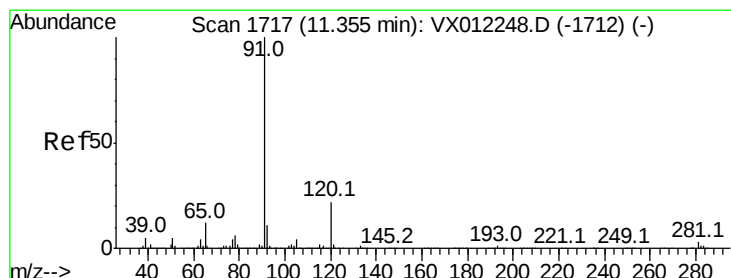
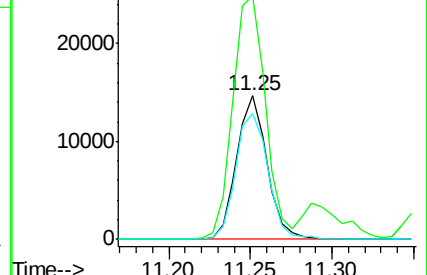
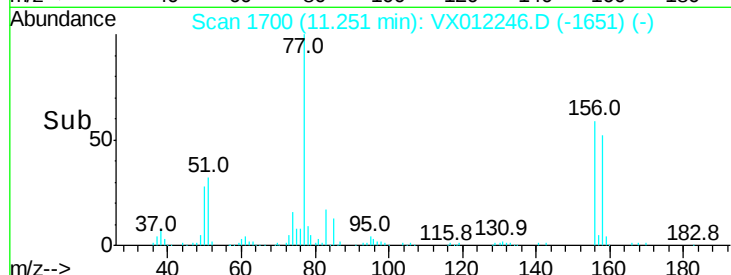
158 93.4 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.091 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012246.D

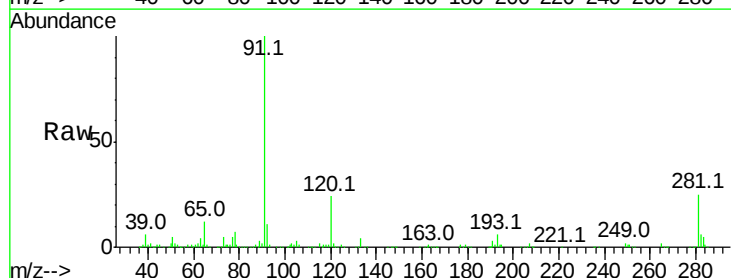
Acq: 10 Sep 2019 09:34

Tgt Ion: 91 Resp: 98672

Ion Ratio Lower Upper

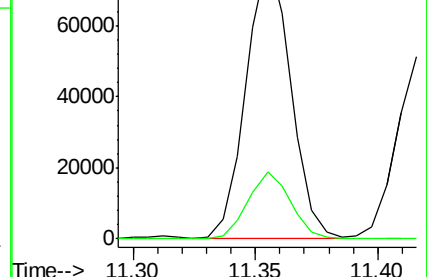
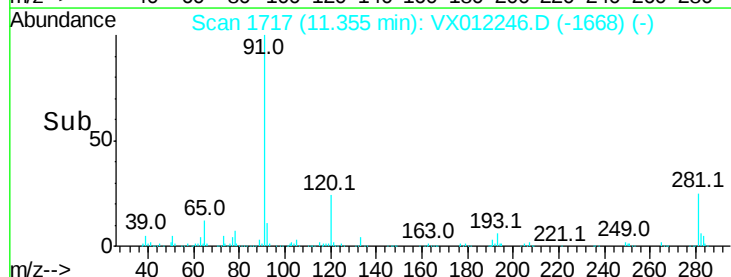
91 100

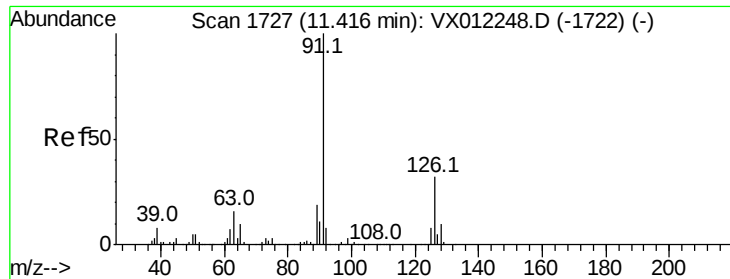
120 23.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

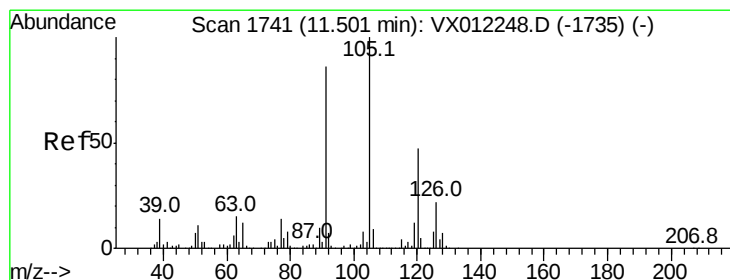
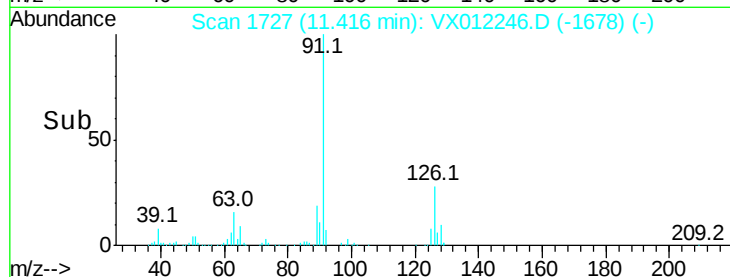
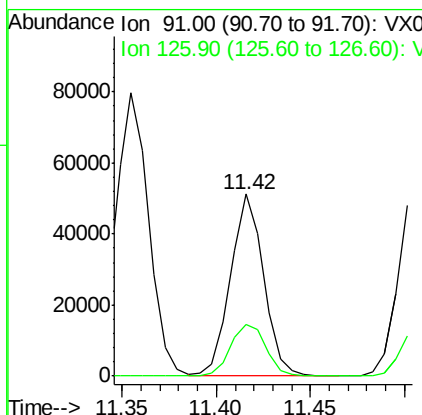
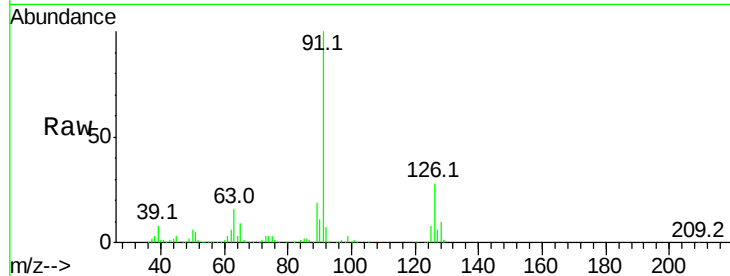




#79
 2-Chlorotoluene
 Concen: 9.160 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

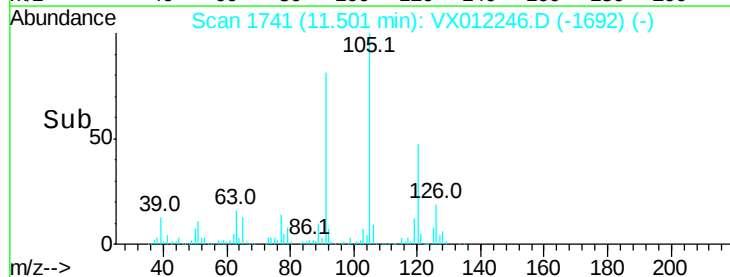
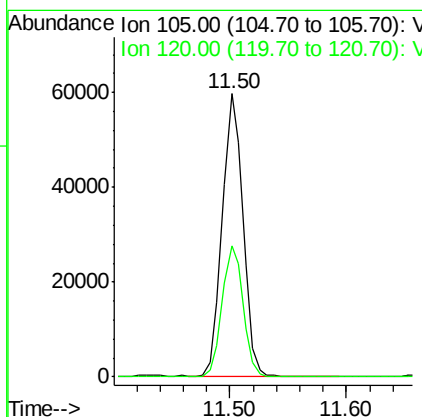
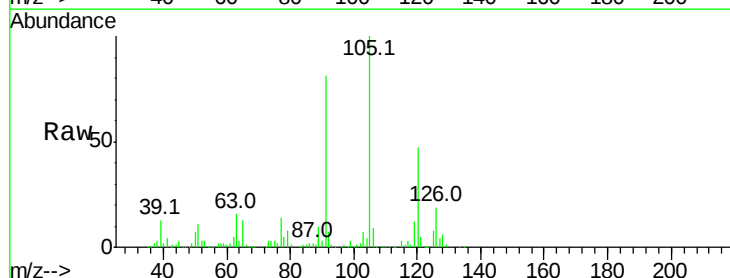
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

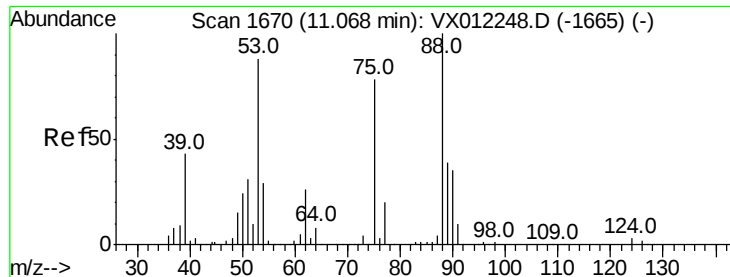
Tgt Ion: 91 Resp: 62056
 Ion Ratio Lower Upper
 91 100
 126 30.8 15.9 47.7



#80
 1,3,5-Trimethylbenzene
 Concen: 9.035 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion: 105 Resp: 73753
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 7.372 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

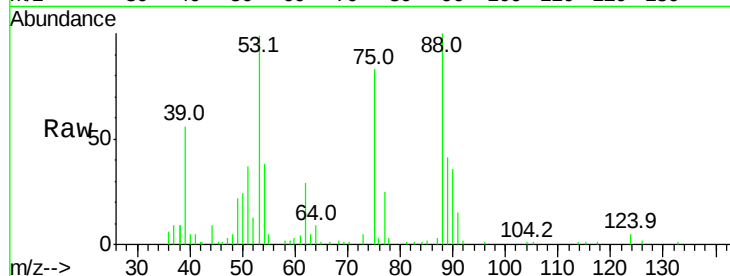
Tgt Ion: 75 Resp: 4693

Ion Ratio Lower Upper

75 100

53 118.5 88.1 132.1

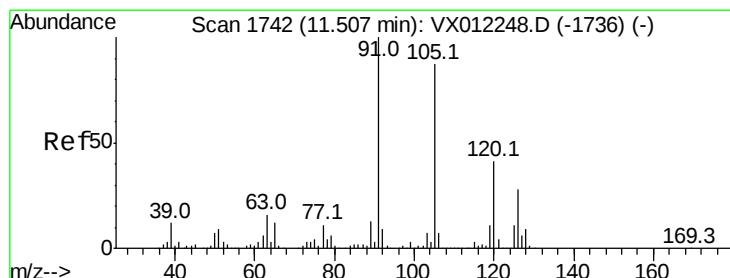
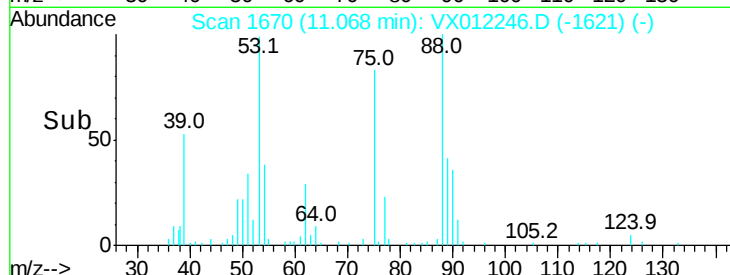
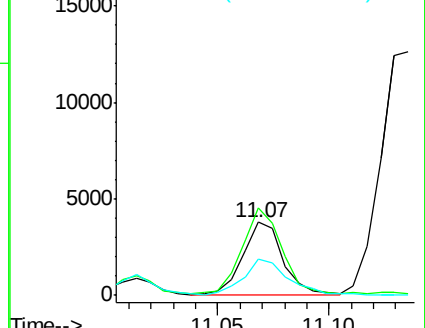
89 56.9 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 8.888 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012246.D

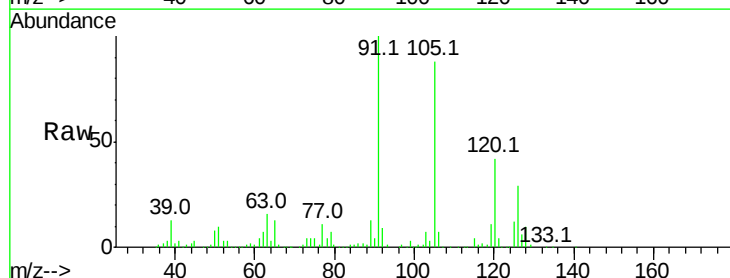
Acq: 10 Sep 2019 09:34

Tgt Ion: 91 Resp: 73711

Ion Ratio Lower Upper

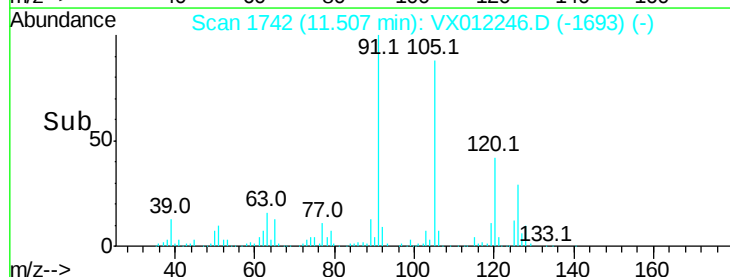
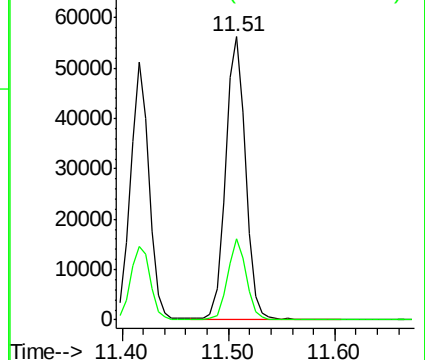
91 100

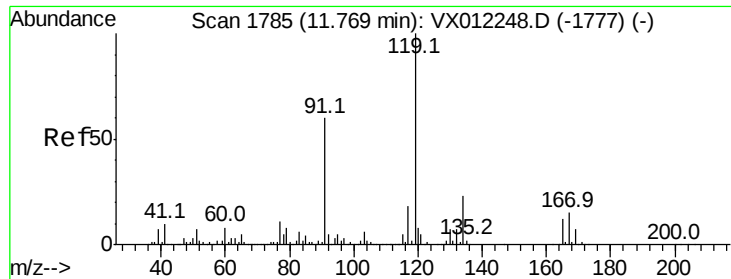
126 26.9 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

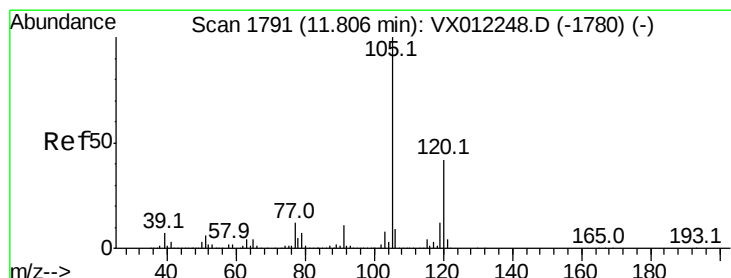
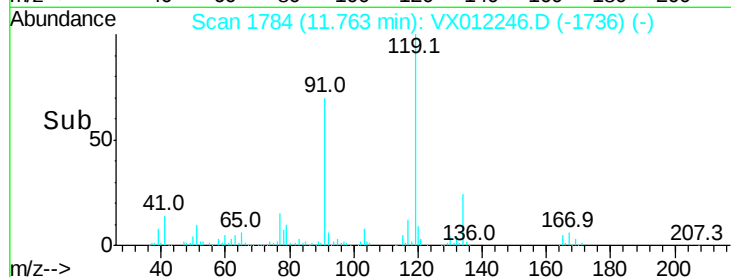
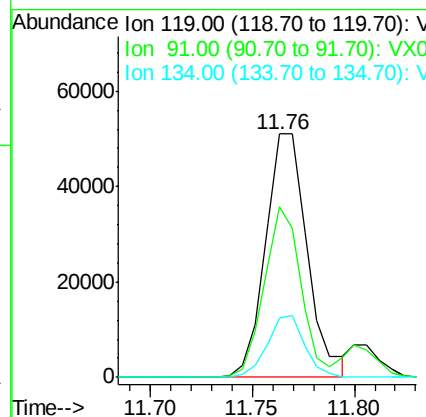
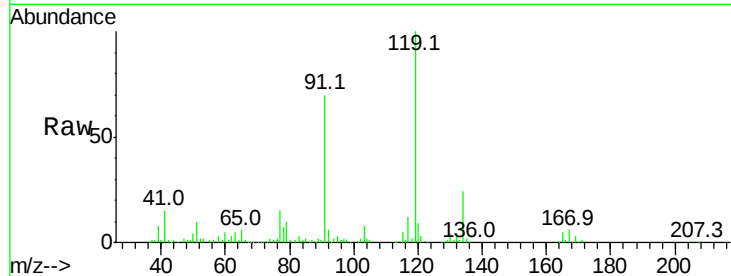




#83
tert-Butylbenzene
Concen: 9.224 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

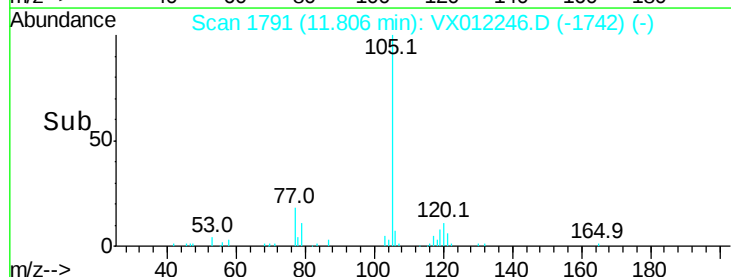
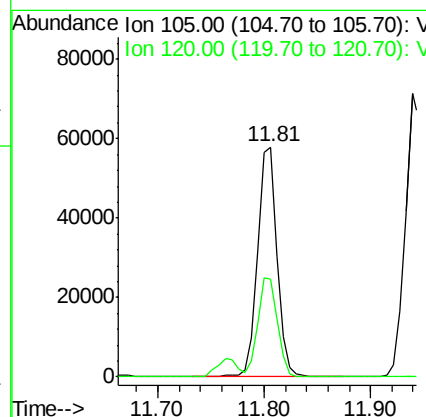
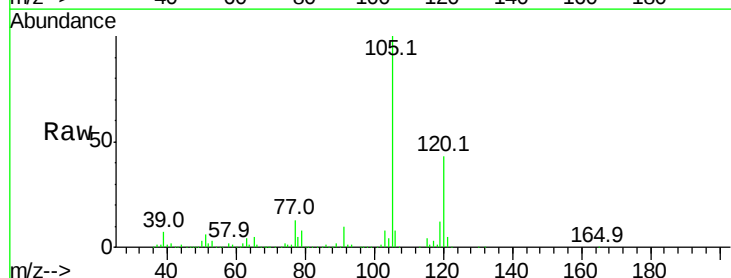
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

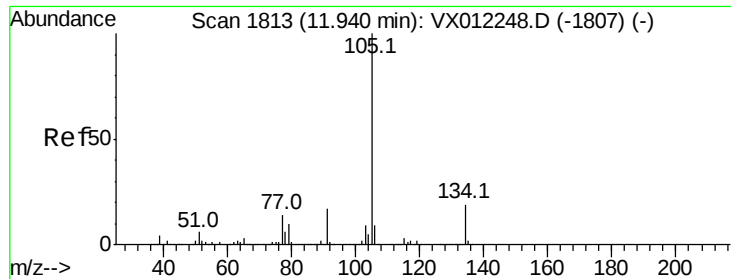
Tgt Ion:119 Resp: 73005
Ion Ratio Lower Upper
119 100
91 61.7 30.9 92.8
134 22.8 11.2 33.6



#84
1,2,4-Trimethylbenzene
Concen: 8.829 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion:105 Resp: 74537
Ion Ratio Lower Upper
105 100
120 43.2 21.3 63.9

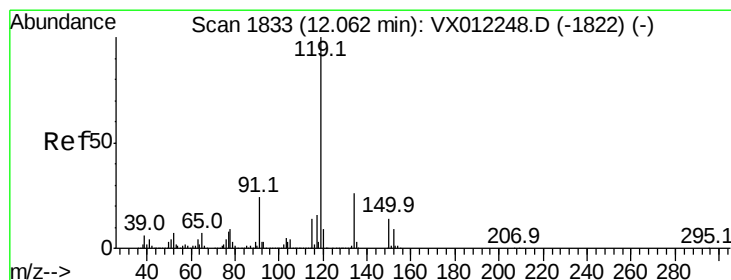
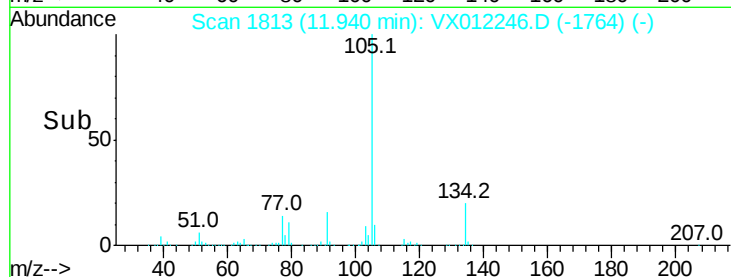
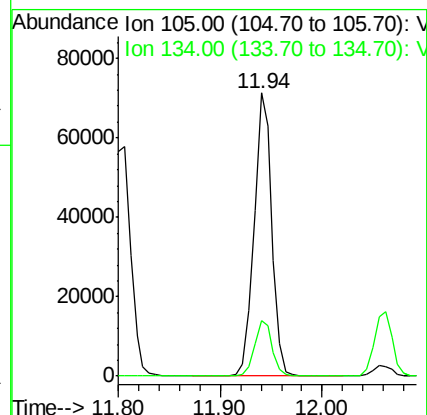
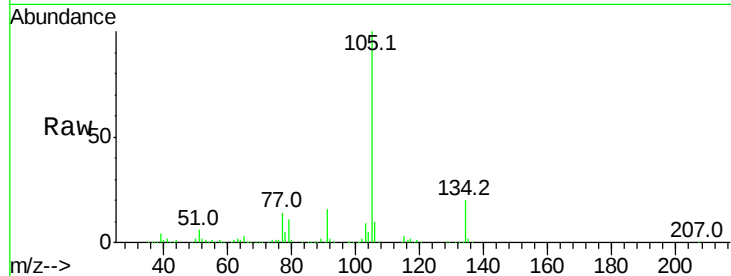




#85
 sec-Butylbenzene
 Concen: 9.291 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

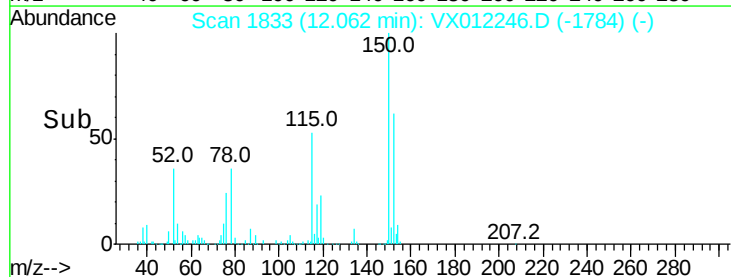
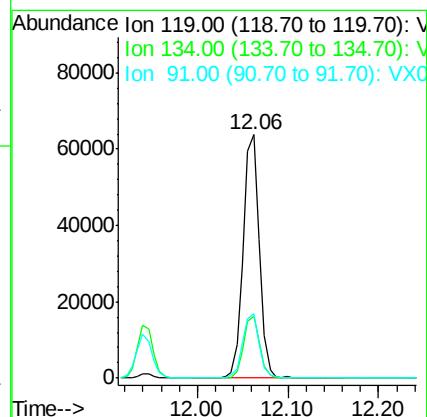
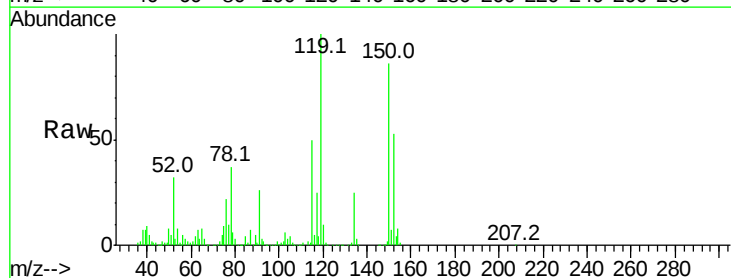
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

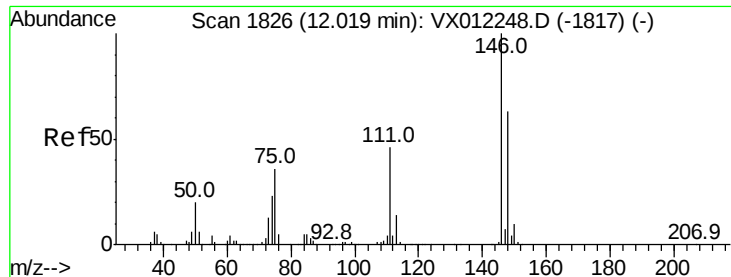
Tgt Ion:105 Resp: 86433
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 9.129 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion:119 Resp: 78737
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.9 38.7
 91 27.4 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 8.894 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

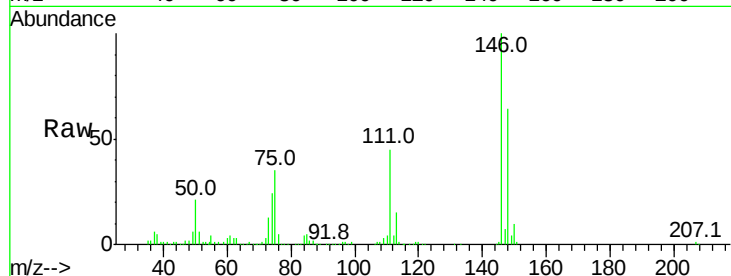
Tgt Ion:146 Resp: 38020

Ion Ratio Lower Upper

146 100

111 45.6 22.3 66.8

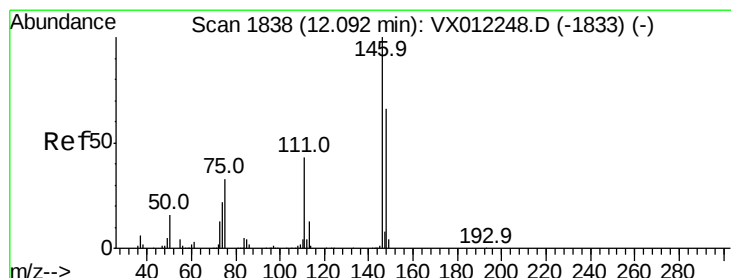
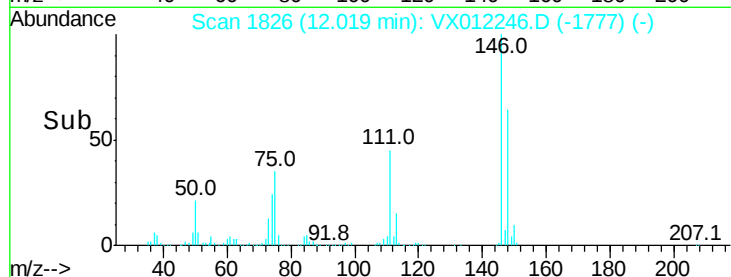
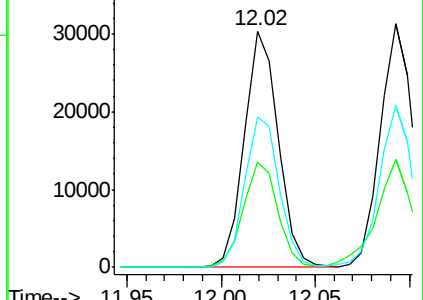
148 64.7 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 8.953 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

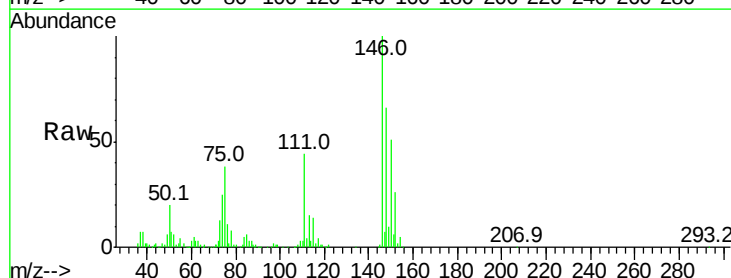
Tgt Ion:146 Resp: 38381

Ion Ratio Lower Upper

146 100

111 47.6 21.6 64.8

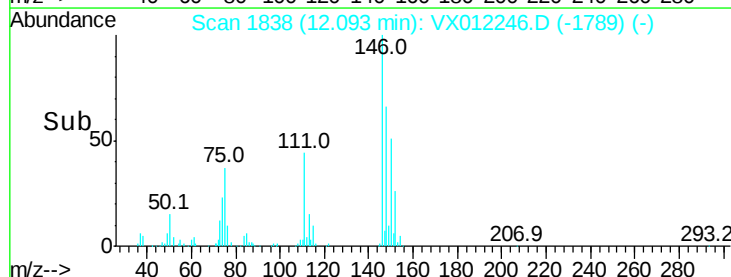
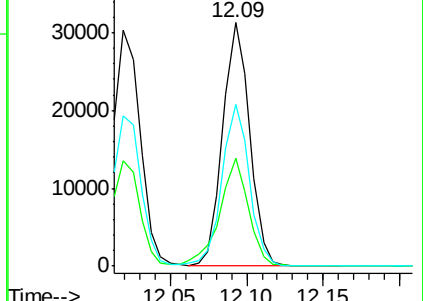
148 67.5 32.4 97.2

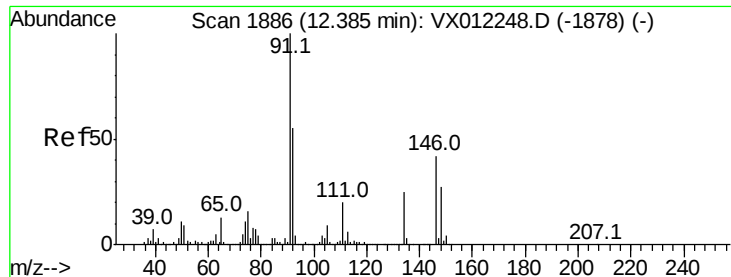


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 9.194 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

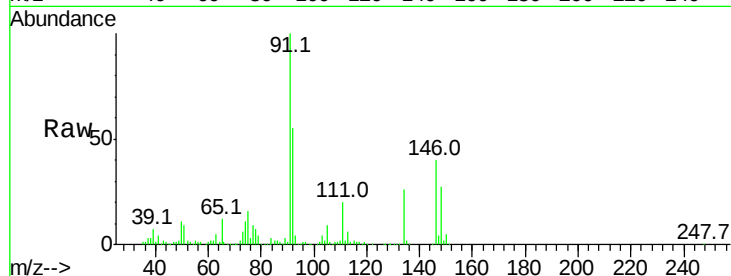
Tgt Ion: 91 Resp: 76074

Ion Ratio Lower Upper

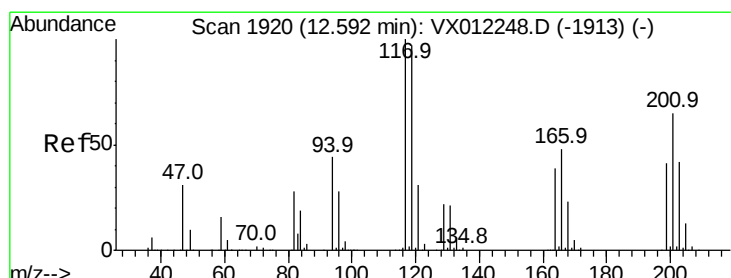
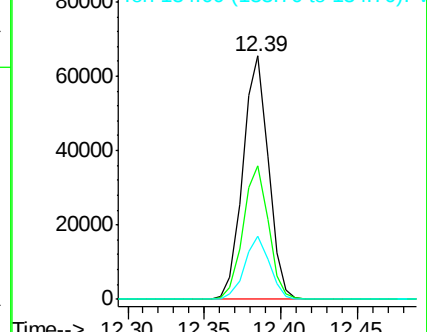
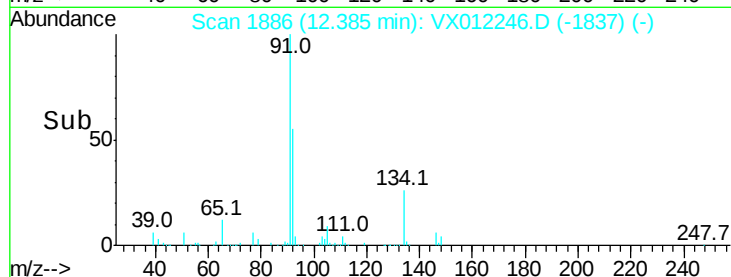
91 100

92 54.6 27.6 82.7

134 25.1 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX012246.D (-1837) (-)



#90

Hexachloroethane

Concen: 8.566 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012246.D

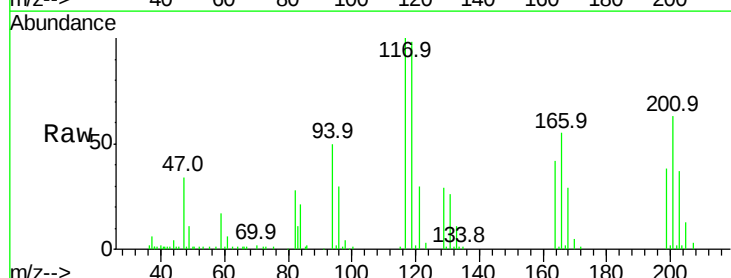
Acq: 10 Sep 2019 09:34

Tgt Ion: 117 Resp: 13550

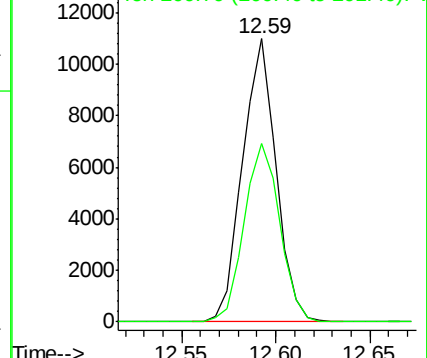
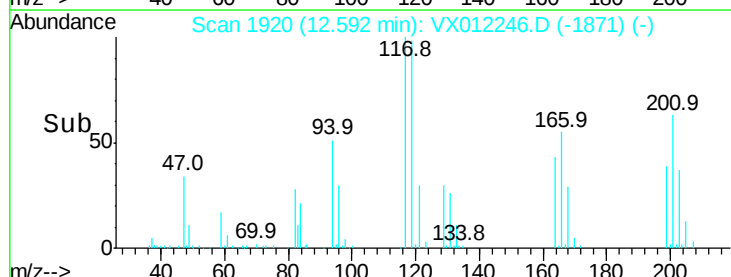
Ion Ratio Lower Upper

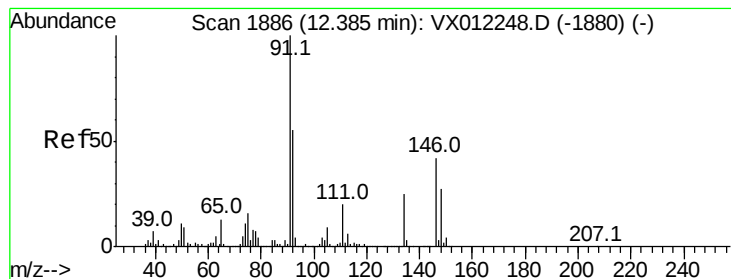
117 100

201 66.8 32.2 96.6



Abundance Ion 116.80 (116.50 to 117.50): VX012246.D (-1871) (-)





#91

1,2-Dichlorobenzene

Concen: 8.505 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

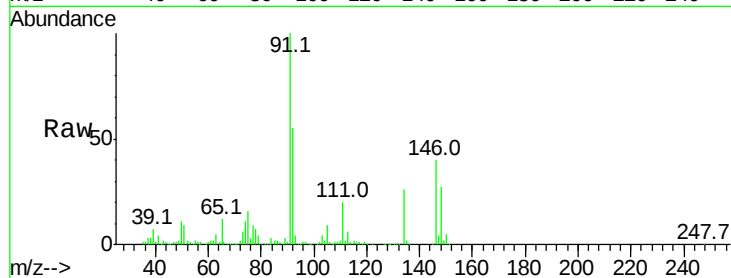
Tgt Ion:146 Resp: 34021

Ion Ratio Lower Upper

146 100

111 47.8 23.2 69.6

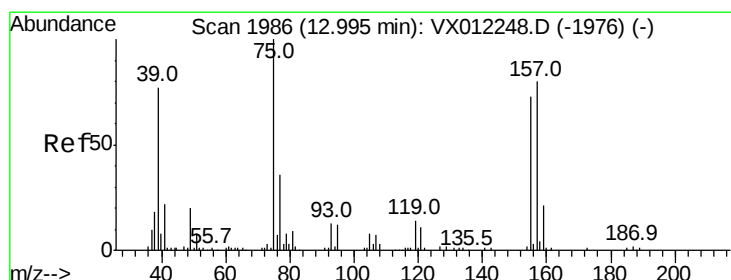
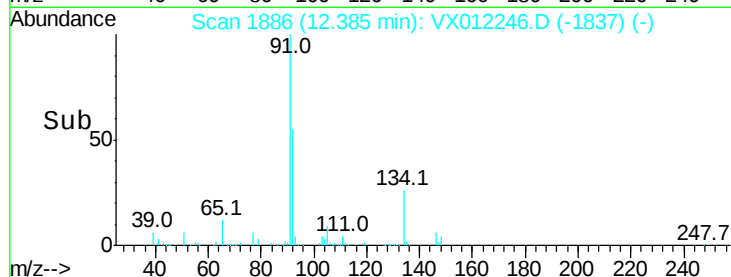
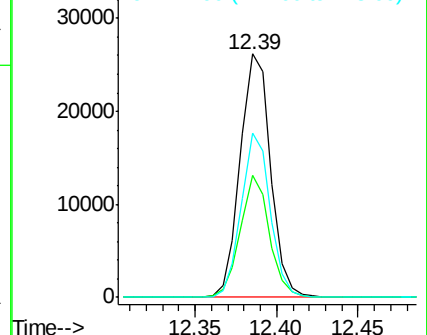
148 64.4 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.320 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

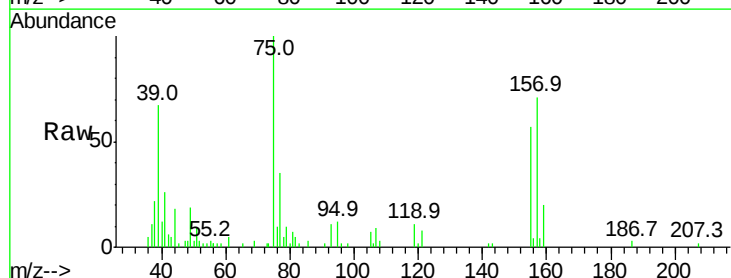
Tgt Ion: 75 Resp: 3343

Ion Ratio Lower Upper

75 100

155 64.6 35.3 105.7

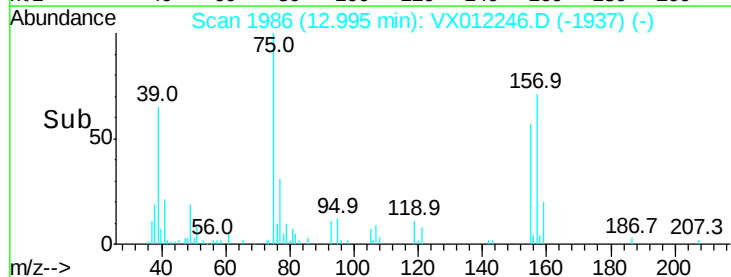
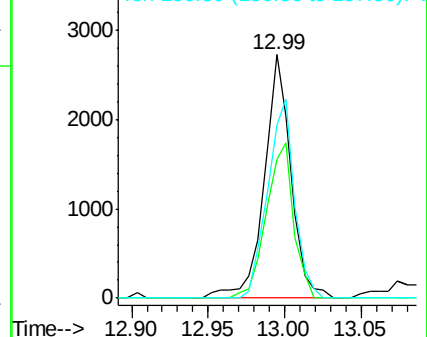
157 81.6 43.2 129.6

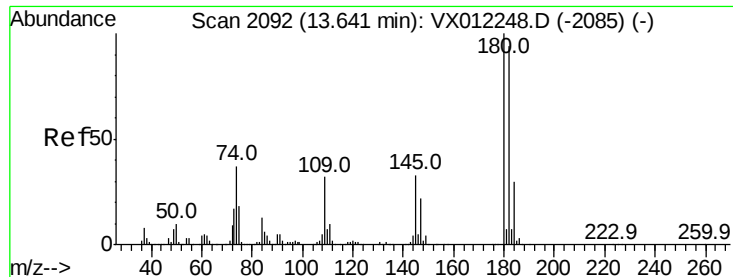


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

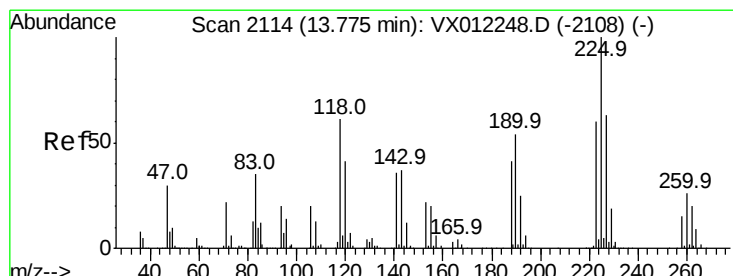
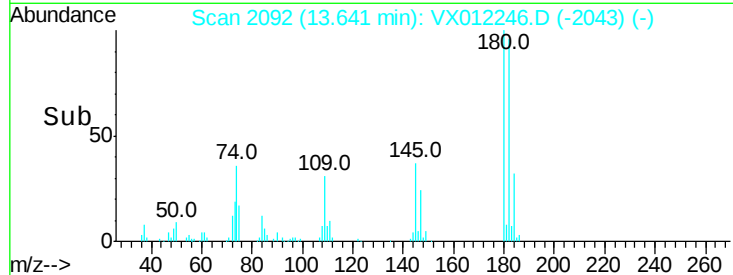
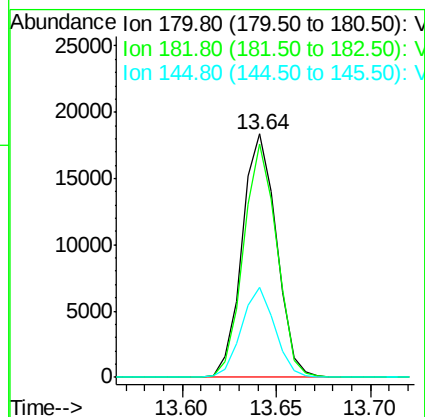
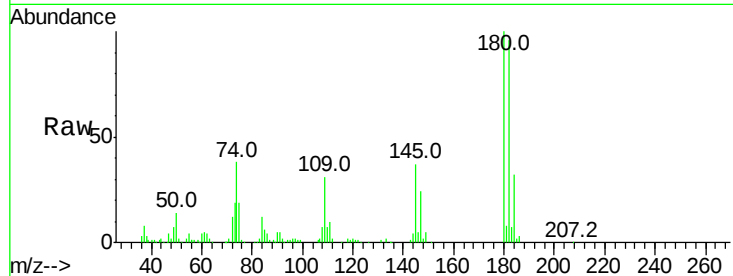




#93
 1,2,4-Trichlorobenzene
 Concen: 8.750 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

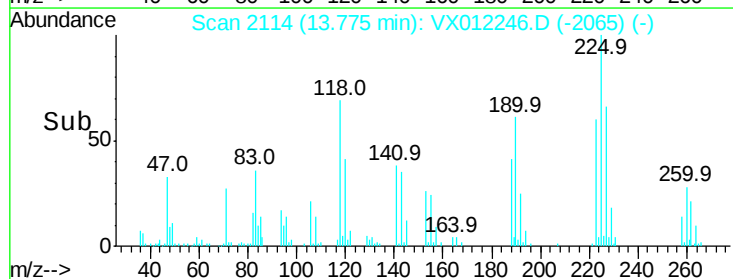
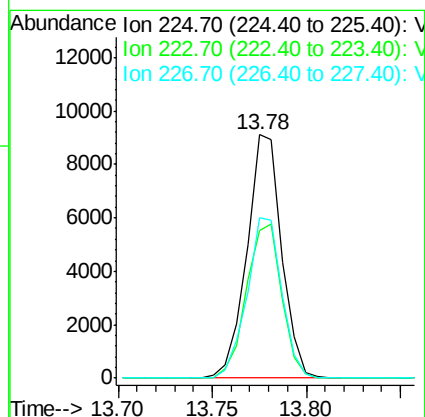
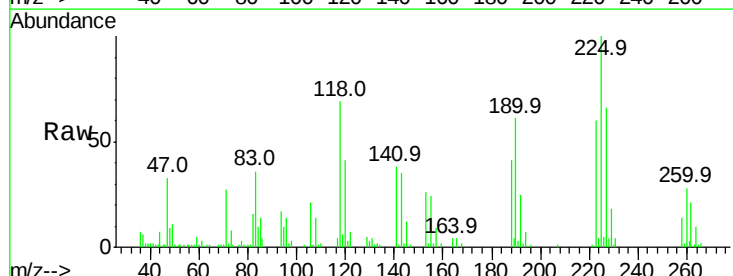
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

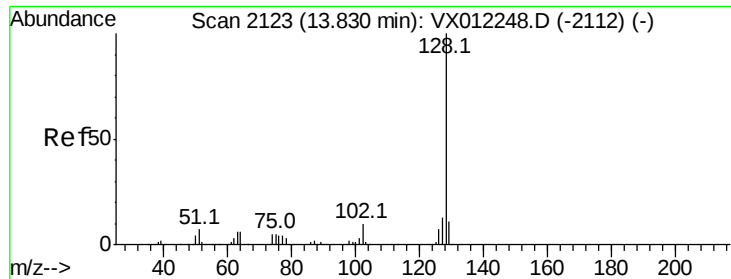
Tgt Ion:180 Resp: 23146
 Ion Ratio Lower Upper
 180 100
 182 93.1 46.9 140.8
 145 36.0 17.1 51.2



#94
 Hexachlorobutadiene
 Concen: 9.103 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion:225 Resp: 11649
 Ion Ratio Lower Upper
 225 100
 223 63.9 32.1 96.5
 227 65.9 32.5 97.5

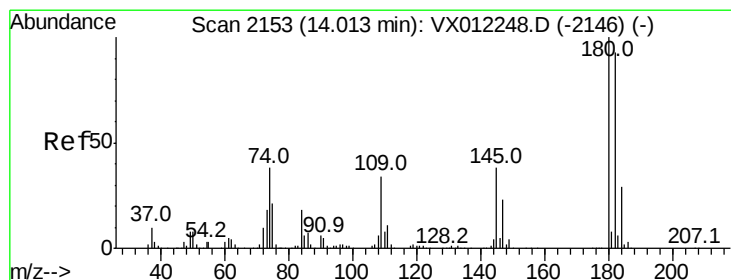
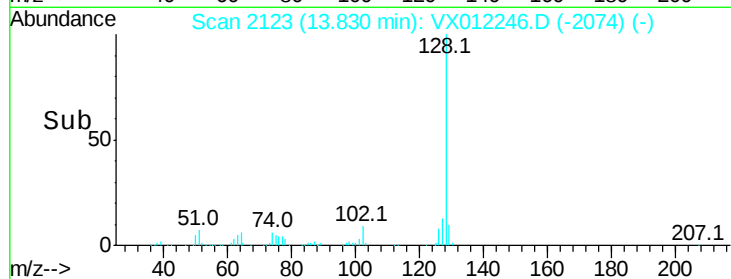
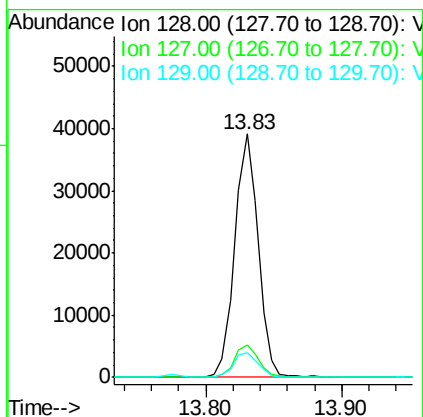
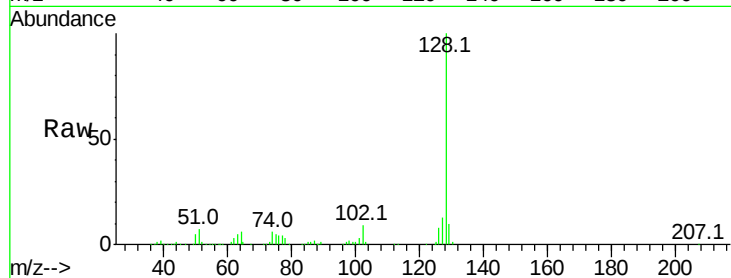




#95
Naphthalene
Concen: 8.096 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 47024
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.2
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 8.481 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion:180 Resp: 19617
Ion Ratio Lower Upper
180 100
182 100.2 47.0 141.0
145 38.4 18.6 55.8

