

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012094.D
 Acq On : 05 Sep 2019 12:04
 Operator : SY/SP
 Sample : VX0905SBS01
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Quant Time: Sep 06 05:40:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	131463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	235600	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106052	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	88127	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	5.48	113	70558	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	8.71	98	270317	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.14	95	117437	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	24465	20.181	ug/l	99
3) Chloromethane	1.31	50	24393	19.647	ug/l	100
4) Vinyl Chloride	1.39	62	23030	19.716	ug/l	99
5) Bromomethane	1.62	94	11276	19.460	ug/l	95
6) Chloroethane	1.70	64	14999	20.655	ug/l	100
7) Trichlorofluoromethane	1.91	101	37786	20.827	ug/l	98
8) Diethyl Ether	2.17	74	12137	19.358	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27355	20.357	ug/l #	84
10) Methyl Iodide	2.50	142	16545	17.449	ug/l	93
11) Tert butyl alcohol	3.03	59	16161	92.758	ug/l #	91
12) 1,1-Dichloroethene	2.36	96	24640	19.034	ug/l	87
13) Acrolein	2.28	56	5206	97.747	ug/l	96
14) Allyl chloride	2.71	41	45725	19.521	ug/l	97
15) Acrylonitrile	3.12	53	37217	94.465	ug/l	98
16) Acetone	2.43	43	39599	91.333	ug/l	99
17) Carbon Disulfide	2.56	76	63169	16.697	ug/l	100
18) Methyl Acetate	2.76	43	19716	19.303	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	82379	19.547	ug/l	99
20) Methylene Chloride	2.84	84	34032	19.547	ug/l	100
21) trans-1,2-Dichloroethene	3.15	96	29219	19.235	ug/l	92
22) Diisopropyl ether	3.84	45	96136	20.136	ug/l	97
23) Vinyl Acetate	3.80	43	297969	96.478	ug/l	100
24) 1,1-Dichloroethane	3.68	63	55032	19.874	ug/l	98
25) 2-Butanone	4.66	43	52629	95.360	ug/l	95
26) 2,2-Dichloropropane	4.56	77	52755	20.636	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	34801	19.544	ug/l	92
28) Bromochloromethane	5.00	49	22828	20.653	ug/l	83
29) Tetrahydrofuran	5.12	42	31884	95.886	ug/l	98
30) Chloroform	5.19	83	59585	20.054	ug/l	97
31) Cyclohexane	5.56	56	42700	19.201	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	53815	20.796	ug/l	97
36) 1,1-Dichloropropene	5.79	75	40677	19.603	ug/l	95
37) Ethyl Acetate	4.81	43	22098	19.584	ug/l	96
38) Carbon Tetrachloride	5.77	117	44995	20.578	ug/l	98

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 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Quant Time: Sep 06 05:40:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	46627	19.361	ug/l	93
40) Benzene	6.13	78	117751	19.767	ug/l	98
41) Methacrylonitrile	5.03	41	13426	19.952	ug/l	97
42) 1,2-Dichloroethane	6.18	62	45084	21.031	ug/l	96
43) Isopropyl Acetate	6.43	43	45337	19.760	ug/l	99
44) Trichloroethene	7.20	130	32167	20.020	ug/l	87
45) 1,2-Dichloropropane	7.51	63	31395	20.398	ug/l	94
46) Dibromomethane	7.65	93	17824	19.838	ug/l #	72
47) Bromodichloromethane	7.89	83	45989	20.137	ug/l	99
48) Methyl methacrylate	7.76	41	22081	19.140	ug/l	98
49) 1,4-Dioxane	7.73	88	5708	362.953	ug/l #	86
51) 4-Methyl-2-Pentanone	8.64	43	116295	99.652	ug/l	97
52) Toluene	8.78	92	77230	19.925	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	45833	19.385	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	50634	19.258	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	25376	19.756	ug/l	93
56) Ethyl methacrylate	9.17	69	35829	19.473	ug/l	95
57) 1,3-Dichloropropane	9.37	76	44088	19.891	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	84834	102.273	ug/l	93
59) 2-Hexanone	9.48	43	84765	99.543	ug/l	98
60) Dibromochloromethane	9.57	129	29556	19.307	ug/l	99
61) 1,2-Dibromoethane	9.67	107	24091	19.409	ug/l	97
64) Tetrachloroethene	9.33	164	26912	20.051	ug/l #	88
65) Chlorobenzene	10.14	112	84925	19.993	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	31220	20.101	ug/l	98
67) Ethyl Benzene	10.25	91	156306	20.187	ug/l	96
68) m/p-Xylenes	10.36	106	115581	40.516	ug/l	91
69) o-Xylene	10.70	106	55567	20.087	ug/l	89
70) Styrene	10.71	104	96653	20.116	ug/l	94
71) Bromoform	10.85	173	16661	19.530	ug/l #	93
73) Isopropylbenzene	11.01	105	159288	20.471	ug/l	97
74) N-amyl acetate	10.89	43	43413	18.870	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	30842	19.013	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	34085	26.304	ug/l	80
77) Bromobenzene	11.25	156	34502	19.826	ug/l	71
78) n-propylbenzene	11.35	91	190634	20.279	ug/l	94
79) 2-Chlorotoluene	11.42	91	116321	20.425	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	140424	20.593	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	9539	17.404	ug/l	89
82) 4-Chlorotoluene	11.51	91	139124	20.495	ug/l	91
83) tert-Butylbenzene	11.76	119	134428	20.683	ug/l	91
84) 1,2,4-Trimethylbenzene	11.80	105	140961	20.113	ug/l	94
85) sec-Butylbenzene	11.94	105	164240	20.345	ug/l	93
86) p-Isopropyltoluene	12.06	119	147091	20.035	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	67972	19.492	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	69721	19.996	ug/l	93
89) n-Butylbenzene	12.39	91	143165	20.074	ug/l	95
90) Hexachloroethane	12.59	117	27678	18.882	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	63499	20.219	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6159	18.144	ug/l	65

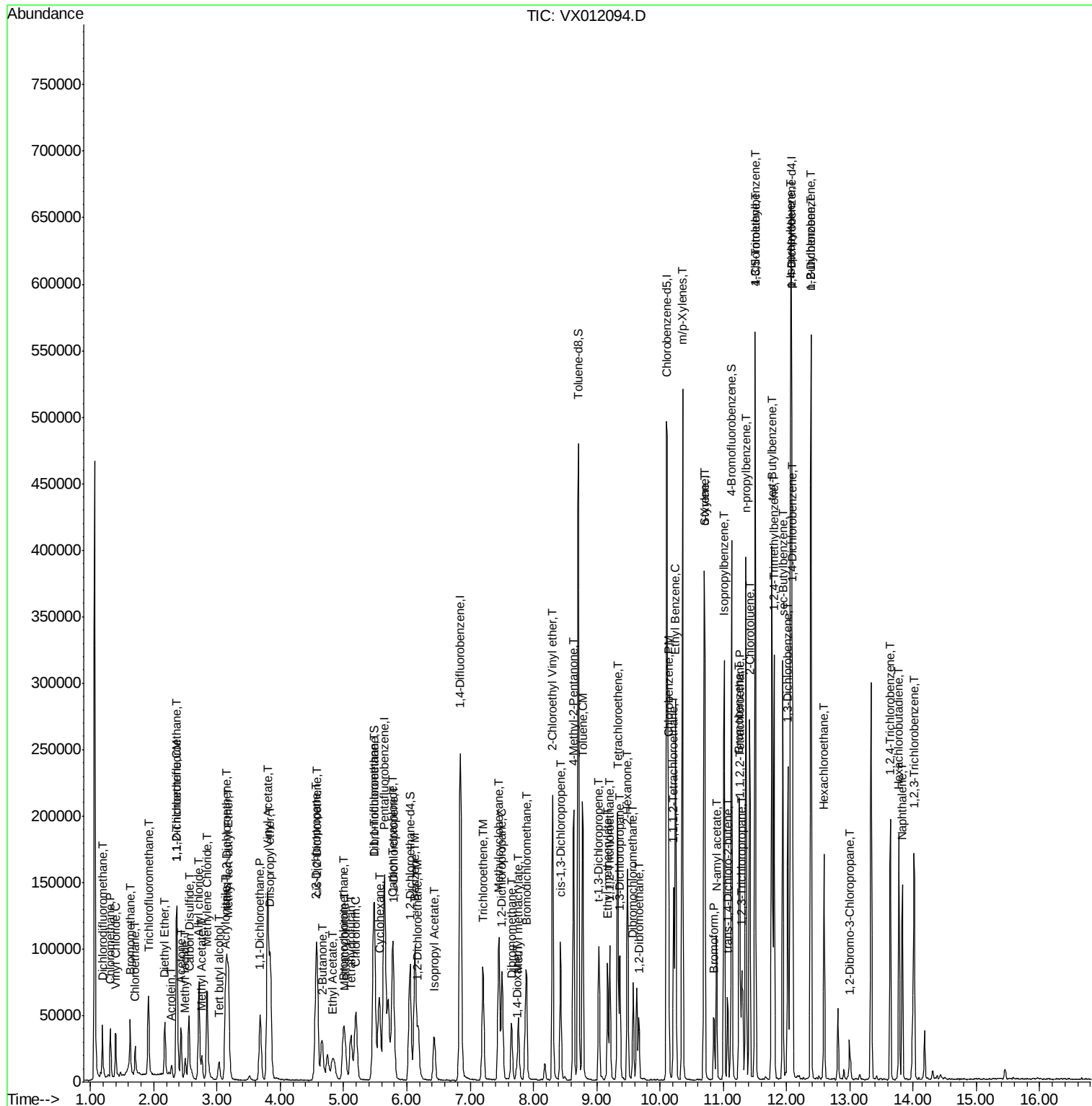
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
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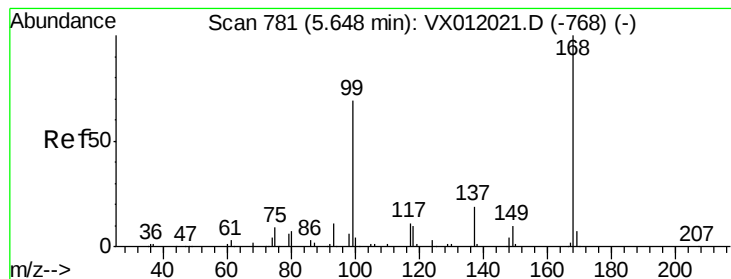
Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Quant Time: Sep 06 05:40:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	41161	18.413	ug/l	97
94) Hexachlorobutadiene	13.78	225	22032	19.552	ug/l	99
95) Naphthalene	13.83	128	84387	17.442	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	35243	17.921	ug/l	95

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

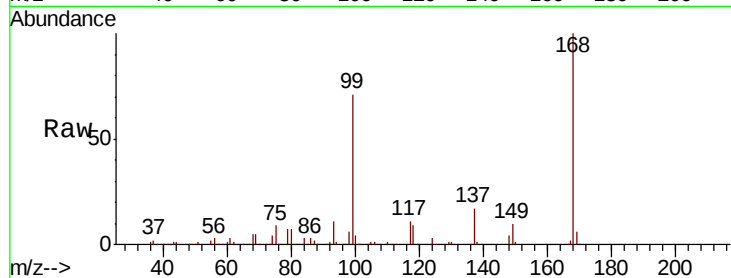
VX0905SBS01

Tgt Ion:168 Resp: 131463

Ion Ratio Lower Upper

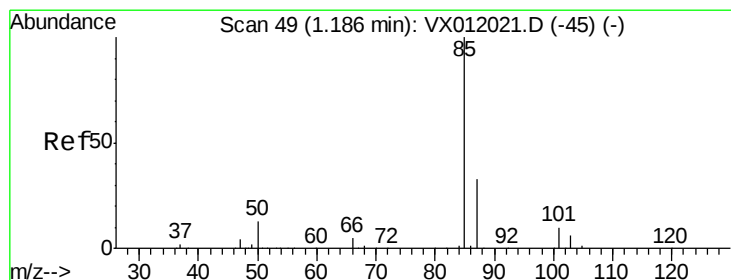
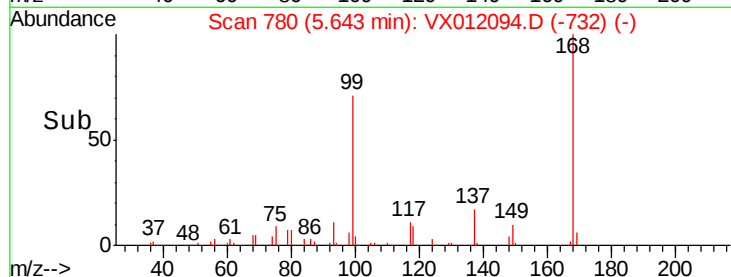
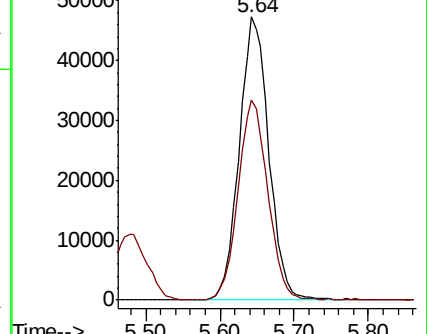
168 100

99 70.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.181 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012094.D

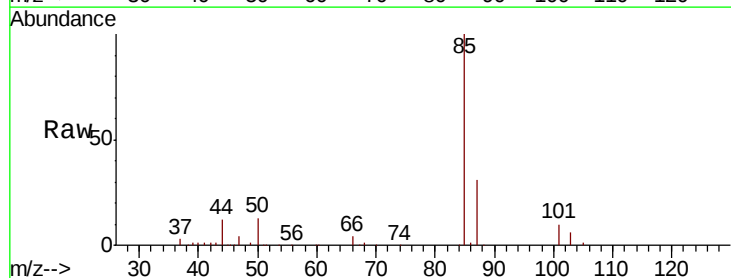
Acq: 05 Sep 2019 12:04

Tgt Ion: 85 Resp: 24465

Ion Ratio Lower Upper

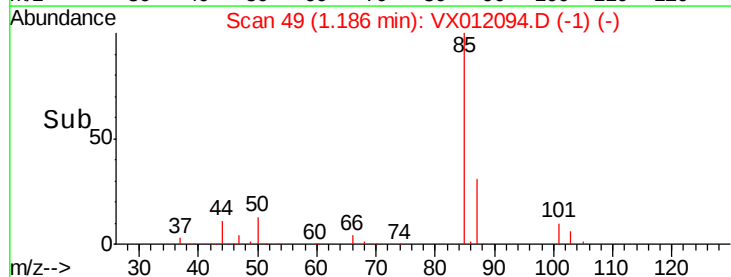
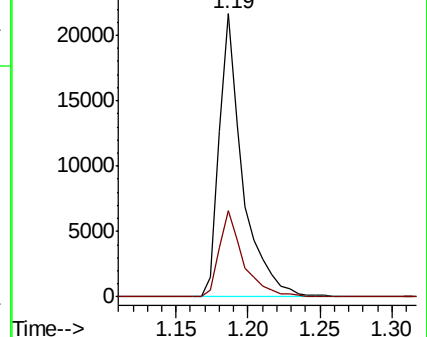
85 100

87 30.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.647 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

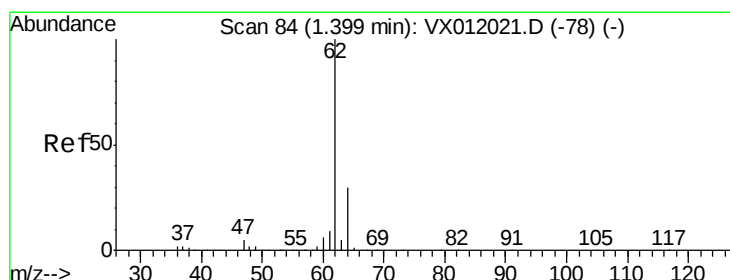
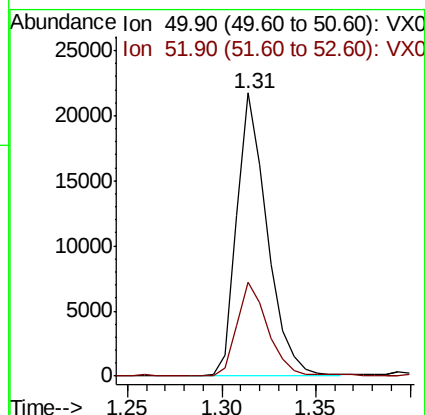
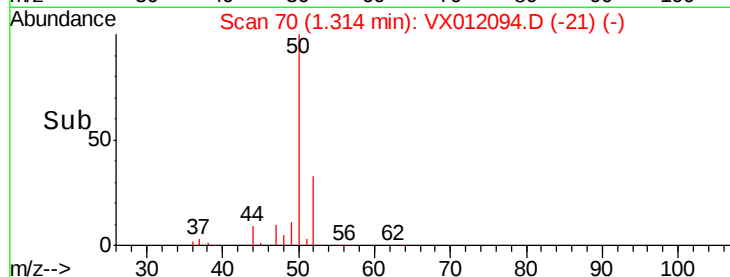
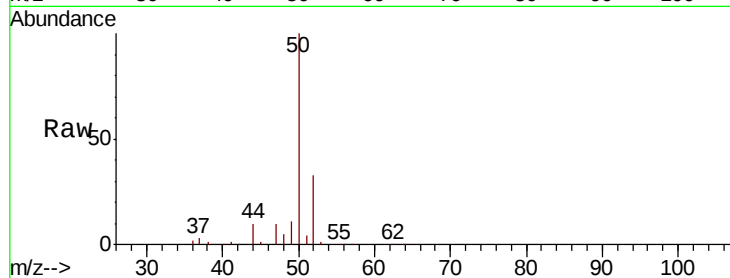
VX0905SBS01

Tgt Ion: 50 Resp: 24393

Ion Ratio Lower Upper

50 100

52 33.2 26.5 39.7



#4

Vinyl Chloride

Concen: 19.716 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012094.D

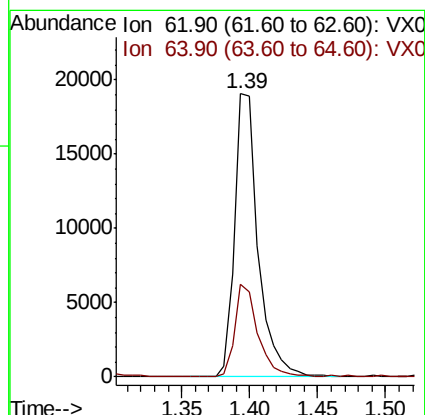
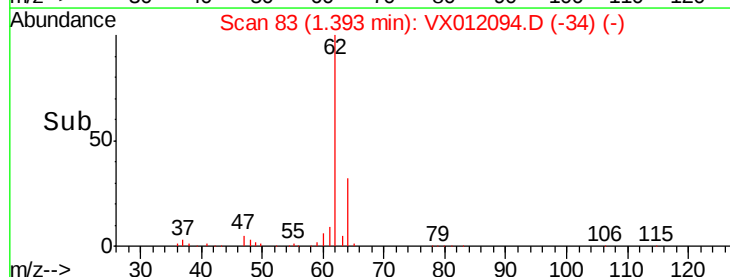
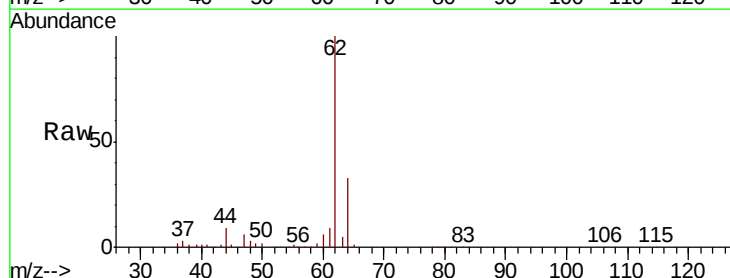
Acq: 05 Sep 2019 12:04

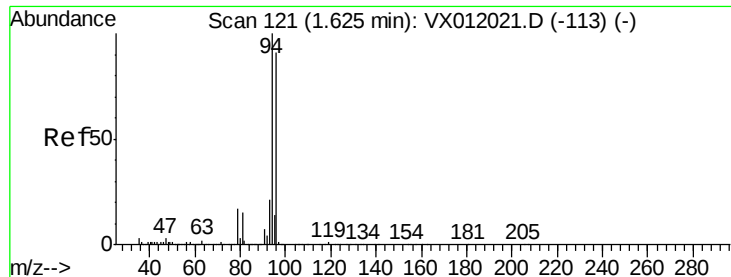
Tgt Ion: 62 Resp: 23030

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.4





#5

Bromomethane

Concen: 19.460 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

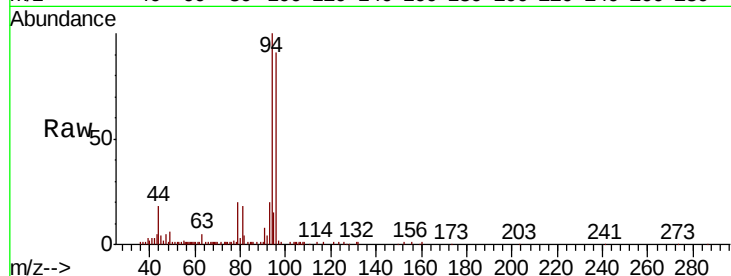
VX0905SBS01

Tgt Ion: 94 Resp: 11276

Ion Ratio Lower Upper

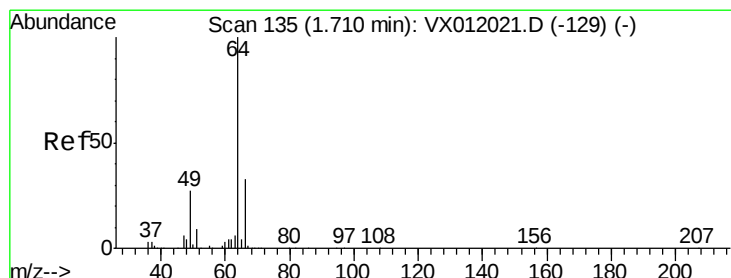
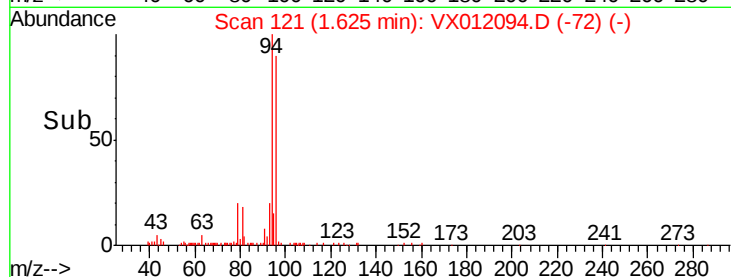
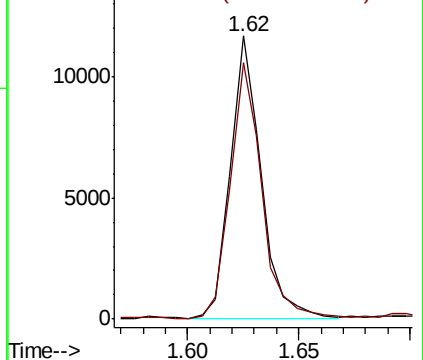
94 100

96 90.7 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.655 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012094.D

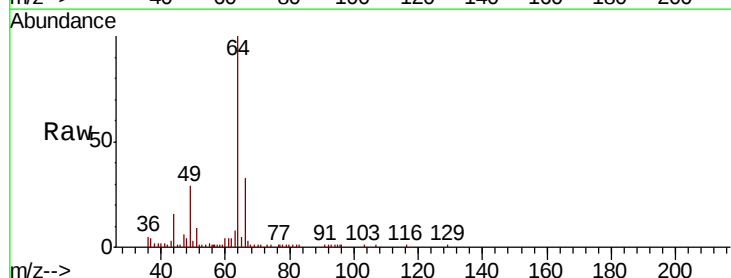
Acq: 05 Sep 2019 12:04

Tgt Ion: 64 Resp: 14999

Ion Ratio Lower Upper

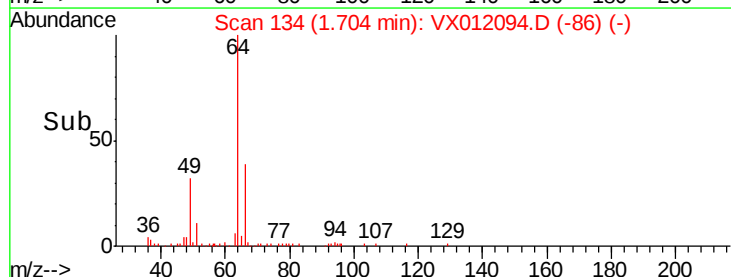
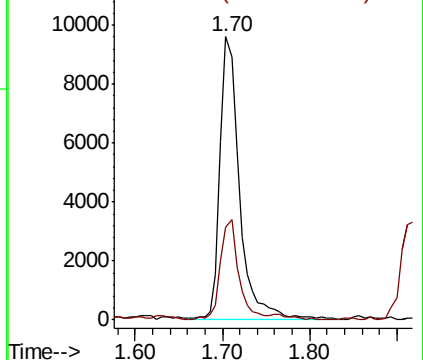
64 100

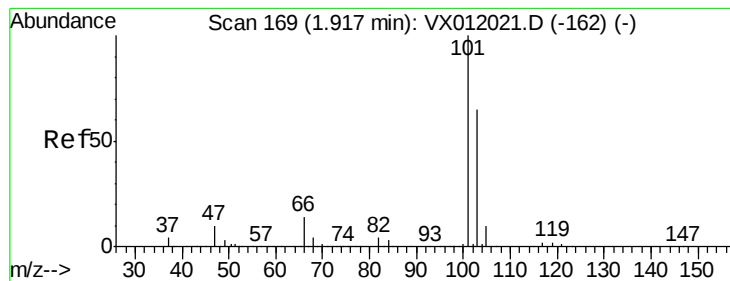
66 32.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



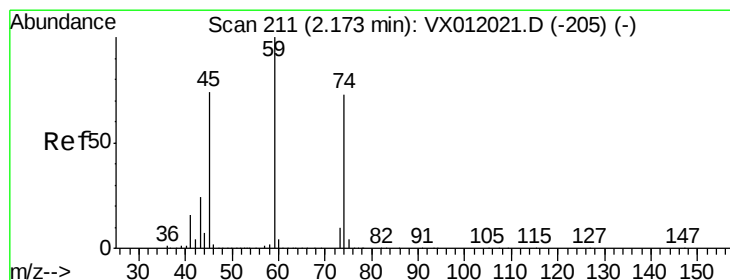
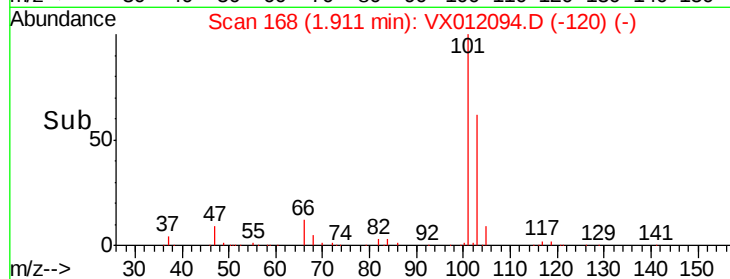
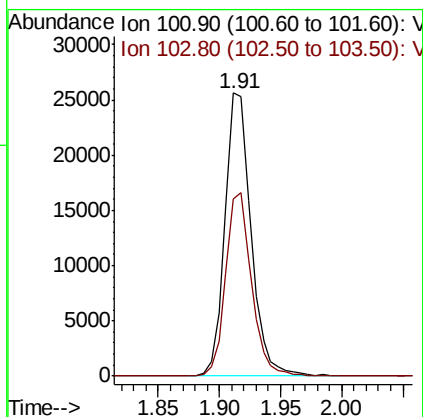
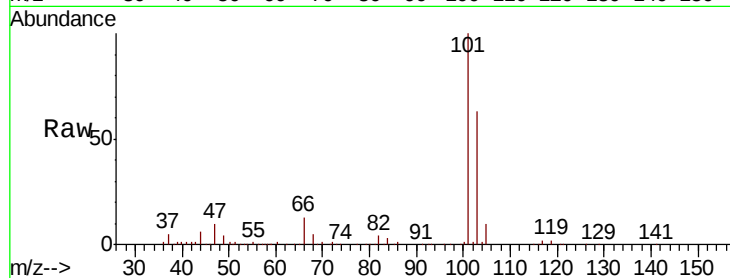


#7

Trichlorofluoromethane
Concen: 20.827 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

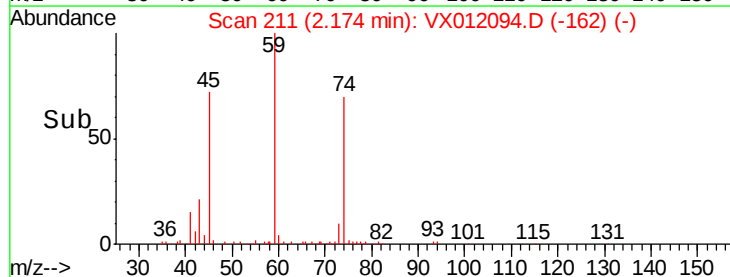
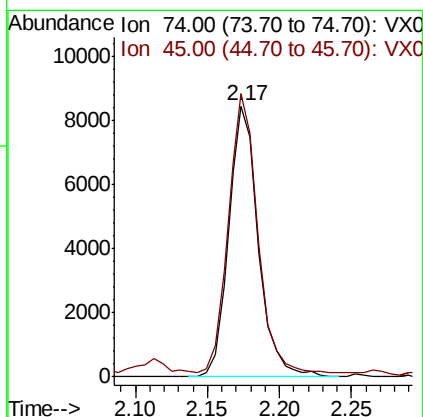
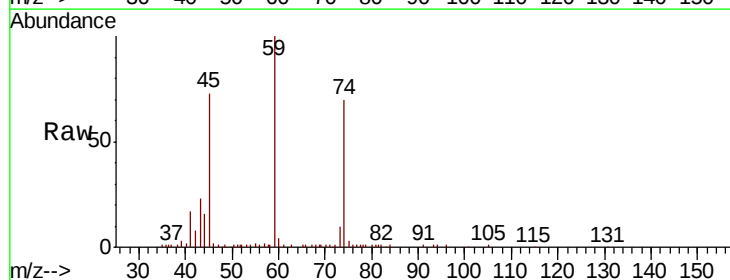
Tgt Ion:101 Resp: 37786
Ion Ratio Lower Upper
101 100
103 62.7 51.6 77.4

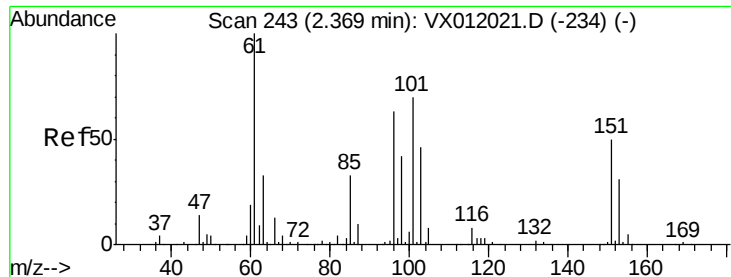


#8

Diethyl Ether
Concen: 19.358 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 74 Resp: 12137
Ion Ratio Lower Upper
74 100
45 102.4 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.357 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

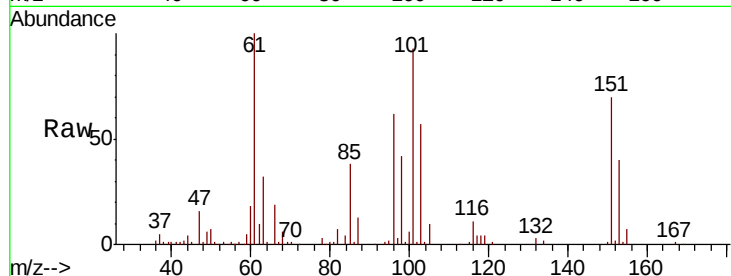
Tgt Ion:101 Resp: 27355

Ion Ratio Lower Upper

101 100

85 45.1 34.5 51.7

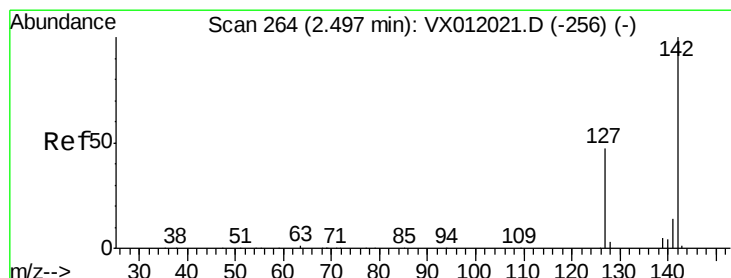
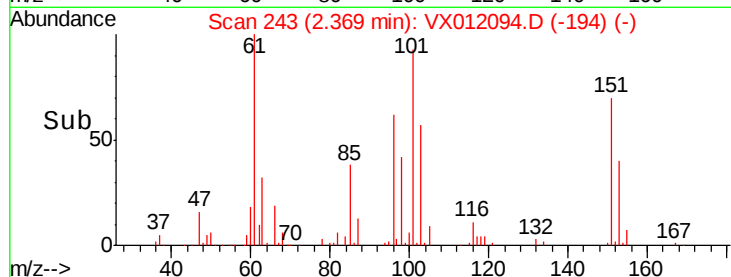
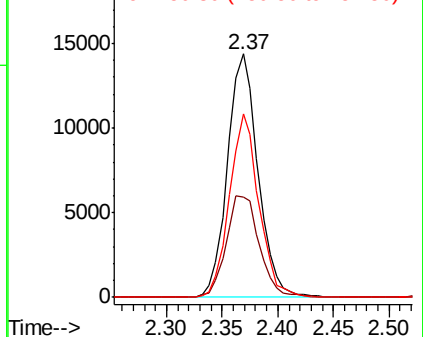
151 72.4 75.0 112.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.449 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

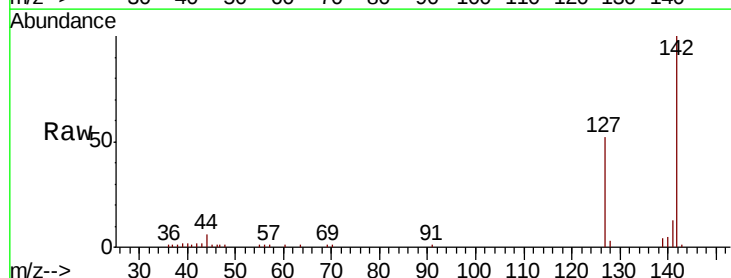
Tgt Ion:142 Resp: 16545

Ion Ratio Lower Upper

142 100

127 50.4 35.4 53.2

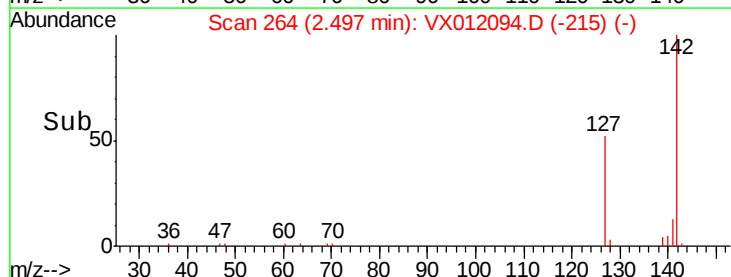
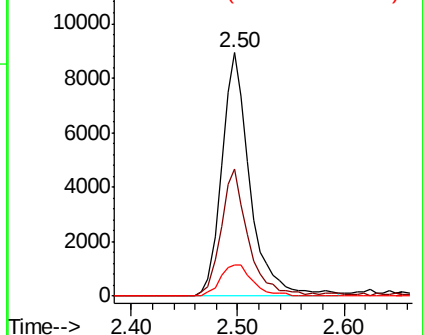
141 14.7 11.4 17.2

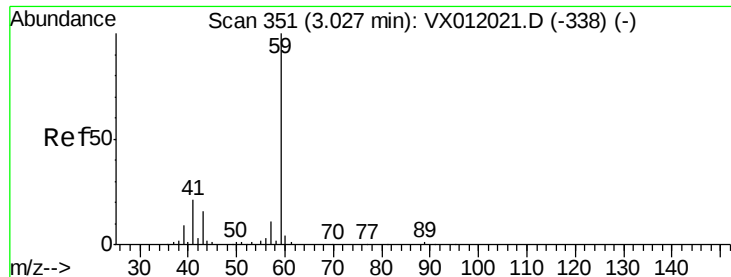


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

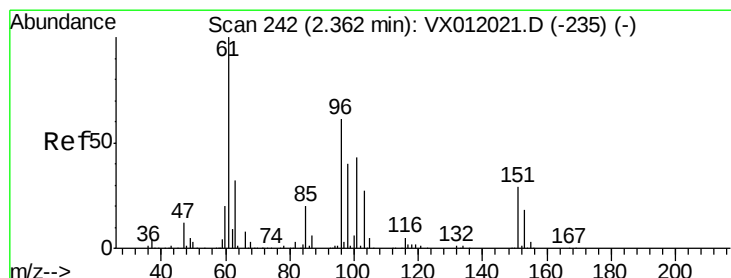
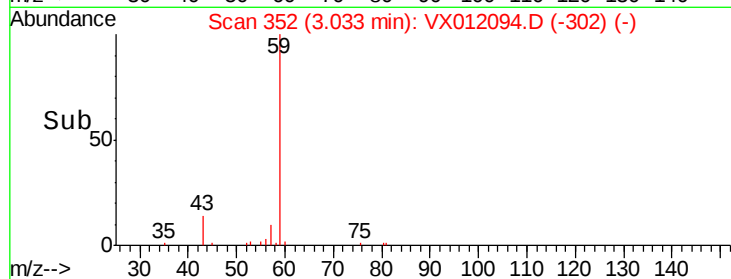
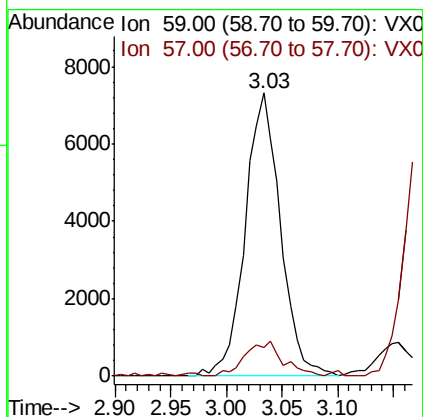
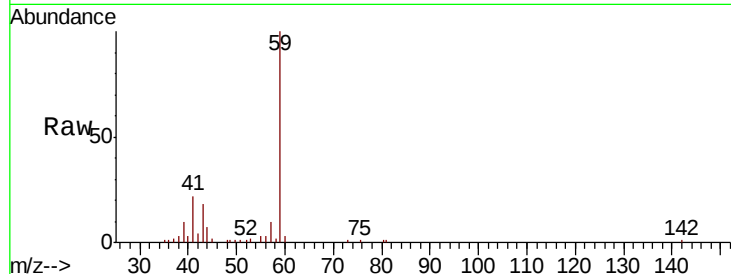




#11
Tert butyl alcohol
Concen: 92.758 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

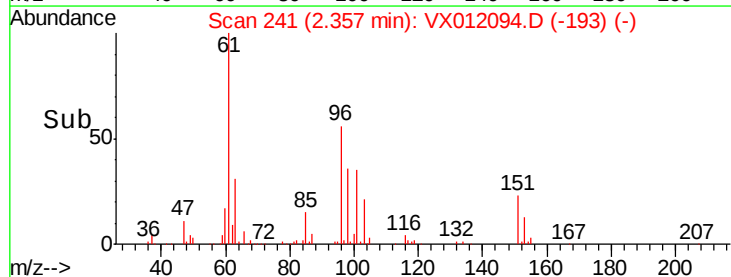
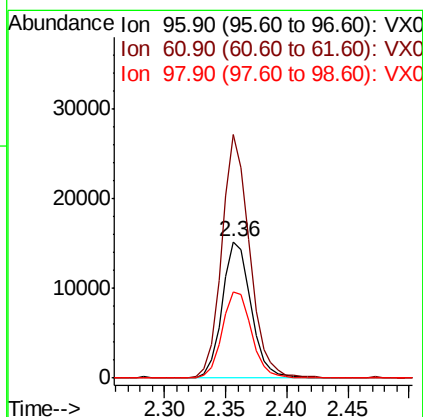
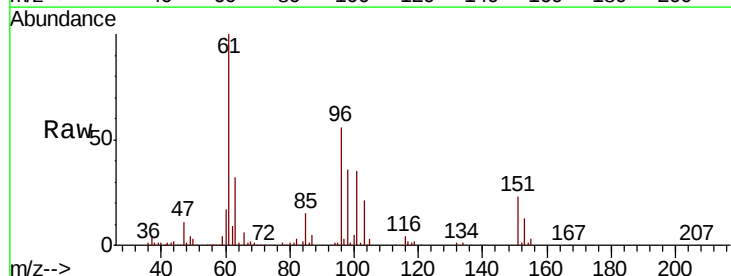
Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

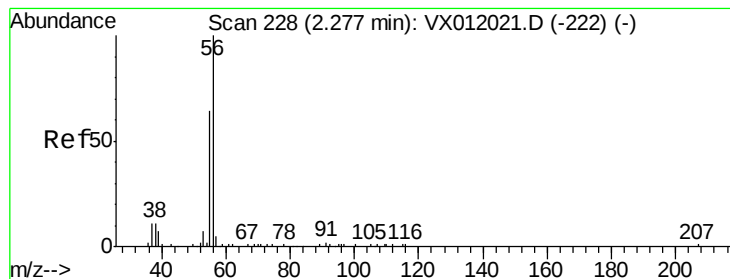
Tgt Ion: 59 Resp: 16161
Ion Ratio Lower Upper
59 100
57 13.2 7.9 11.9#



#12
1,1-Dichloroethene
Concen: 19.034 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 96 Resp: 24640
Ion Ratio Lower Upper
96 100
61 178.8 124.1 186.1
98 63.7 50.2 75.2





#13

Acrolein

Concen: 97.747 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

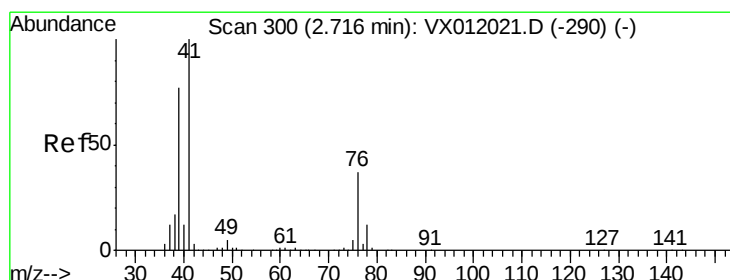
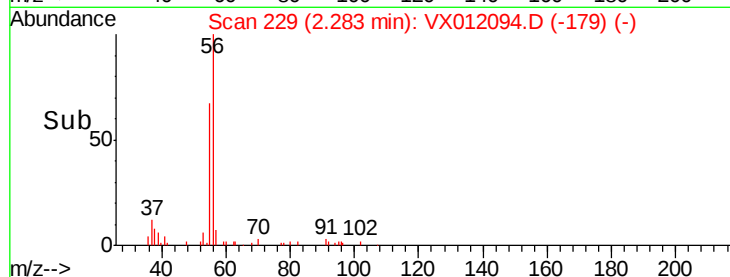
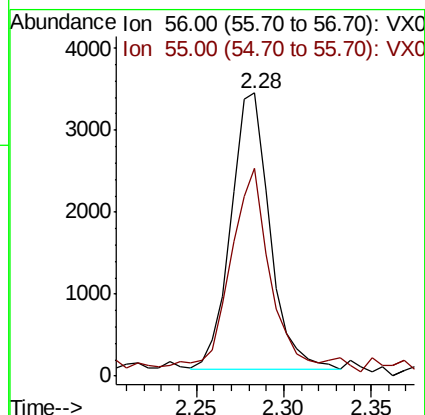
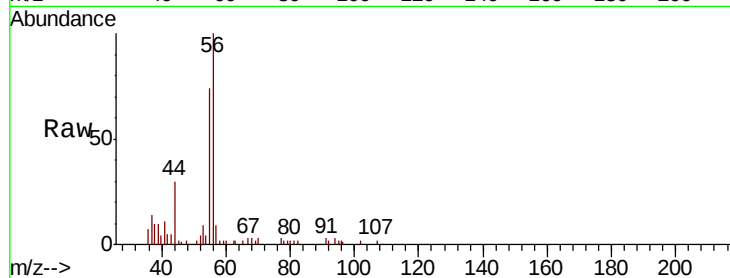
VX0905SBS01

Tgt Ion: 56 Resp: 5206

Ion Ratio Lower Upper

56 100

55 70.8 59.2 88.8



#14

Allyl chloride

Concen: 19.521 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

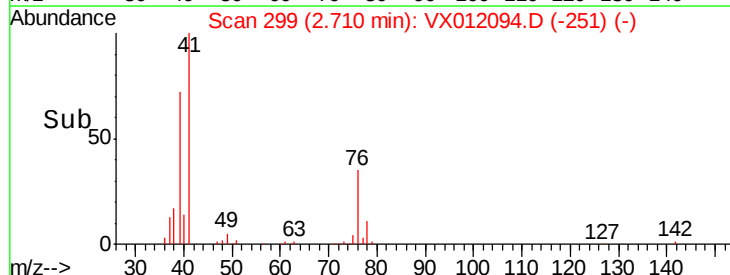
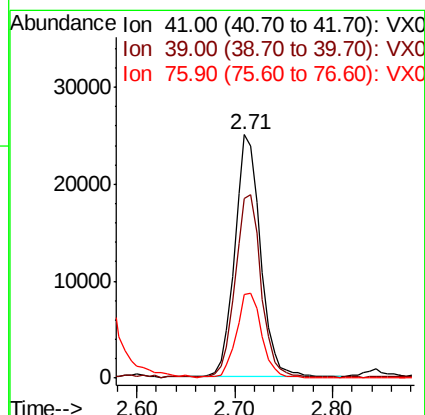
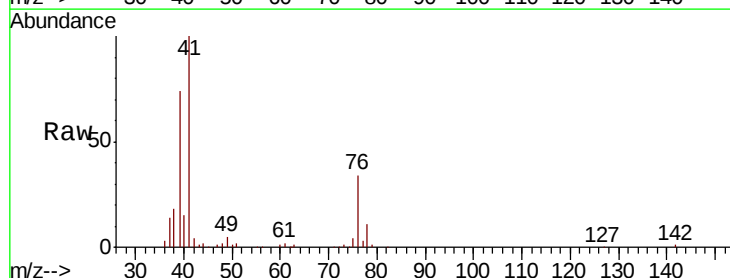
Tgt Ion: 41 Resp: 45725

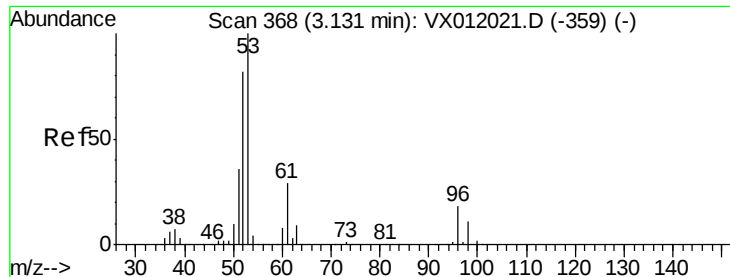
Ion Ratio Lower Upper

41 100

39 75.3 57.9 86.9

76 34.7 28.5 42.7





#15

Acrylonitrile

Concen: 94.465 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

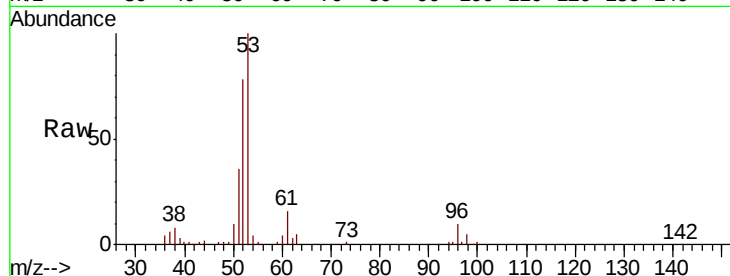
Tgt Ion: 53 Resp: 37217

Ion Ratio Lower Upper

53 100

52 82.7 65.6 98.4

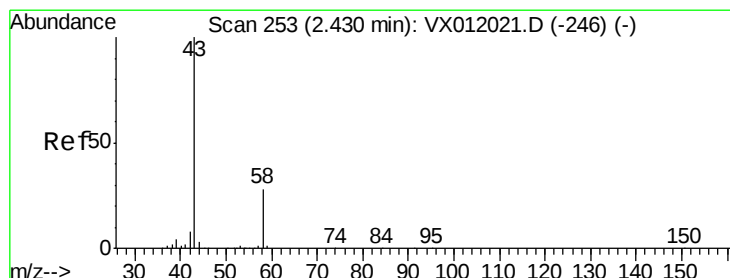
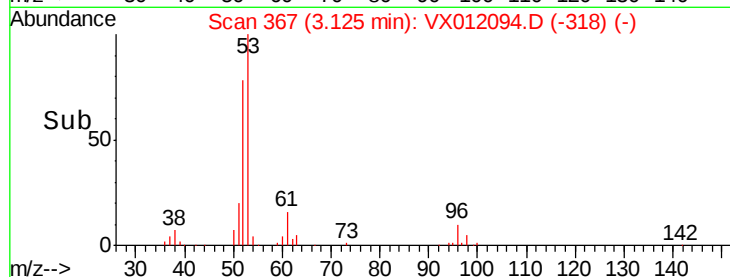
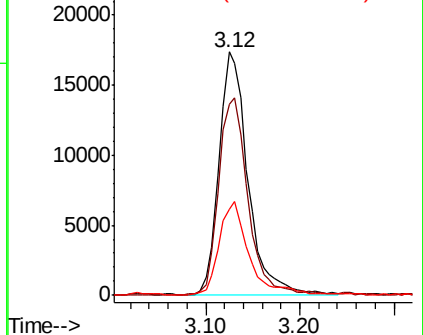
51 39.5 29.8 44.6



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: 91.333 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012094.D

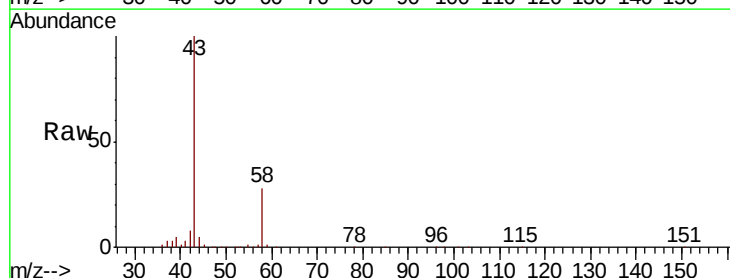
Acq: 05 Sep 2019 12:04

Tgt Ion: 43 Resp: 39599

Ion Ratio Lower Upper

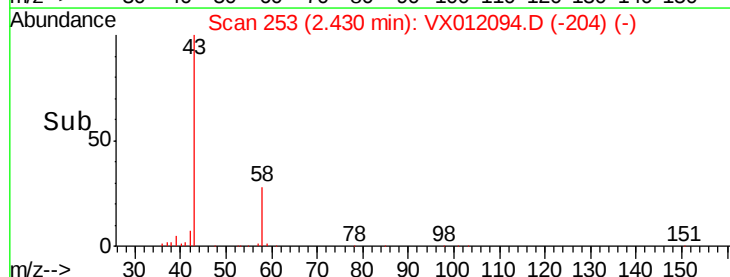
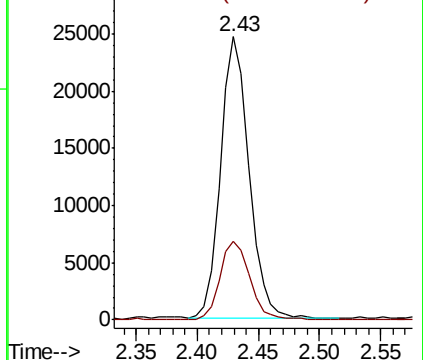
43 100

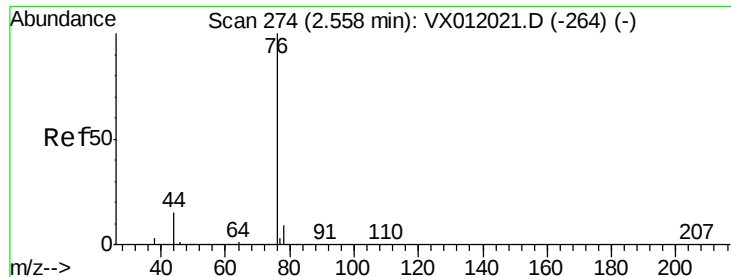
58 27.8 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

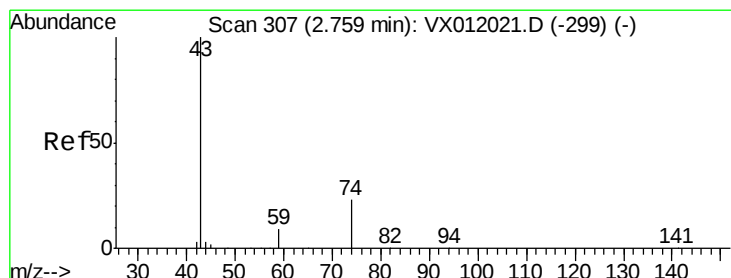
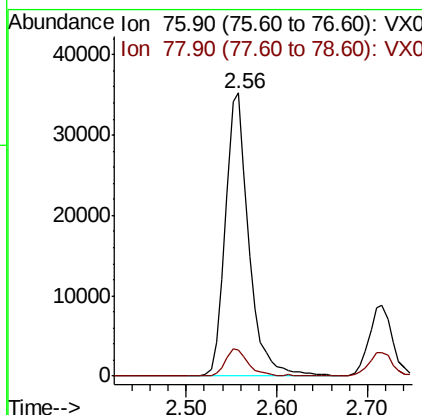
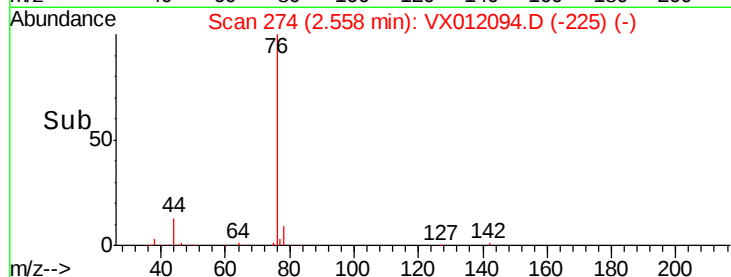
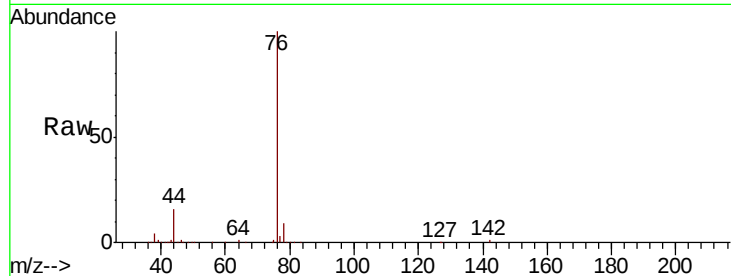




#17
Carbon Disulfide
Concen: 16.697 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

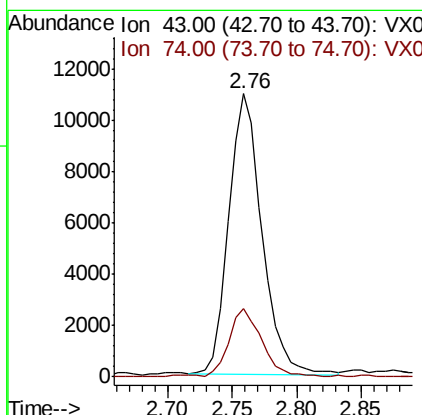
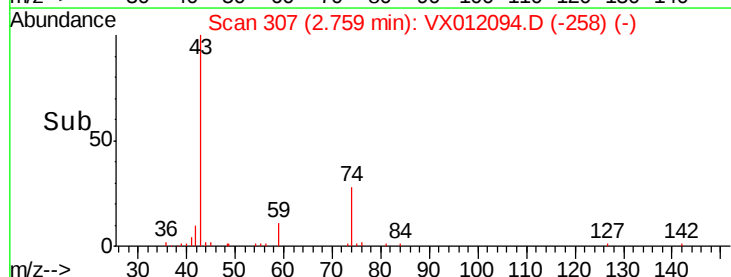
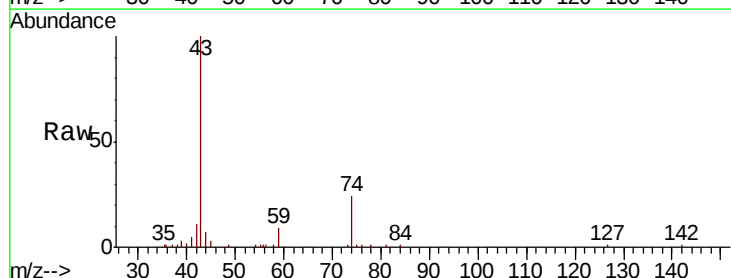
Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

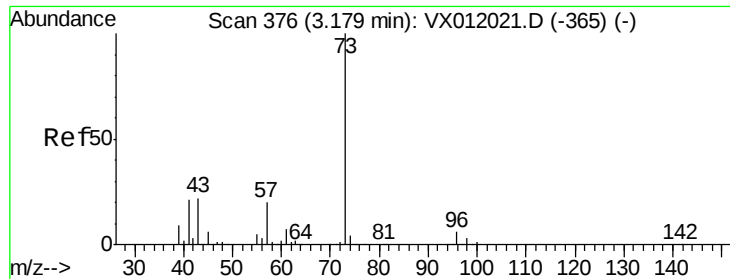
Tgt Ion: 76 Resp: 63169
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 19.303 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 43 Resp: 19716
Ion Ratio Lower Upper
43 100
74 24.0 19.5 29.3





#19

Methyl tert-butyl Ether

Concen: 19.547 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

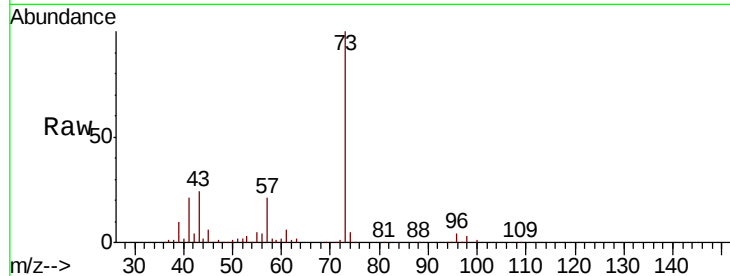
VX0905SBS01

Tgt Ion: 73 Resp: 82379

Ion Ratio Lower Upper

73 100

57 21.5 16.6 25.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.18

40000

30000

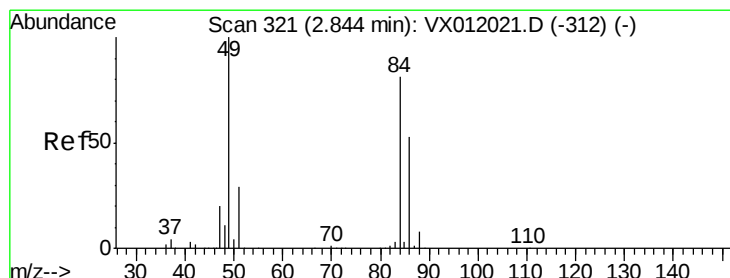
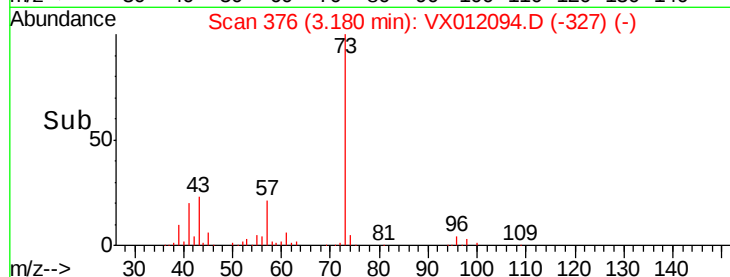
20000

10000

0

Time-->

3.10 3.20 3.30



#20

Methylene Chloride

Concen: 19.547 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Tgt Ion: 84 Resp: 34032

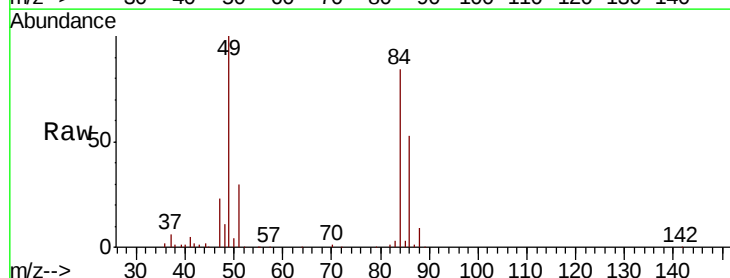
Ion Ratio Lower Upper

84 100

49 119.3 95.8 143.8

51 35.6 28.6 43.0

86 63.3 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

30000

25000

20000

15000

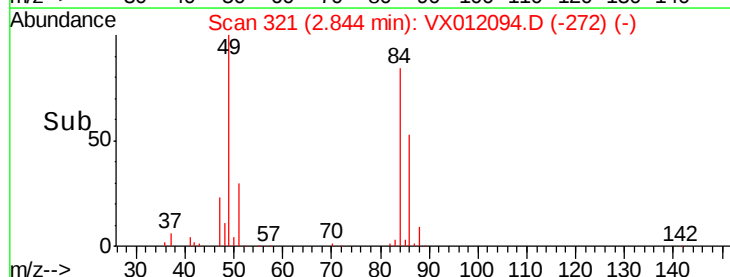
10000

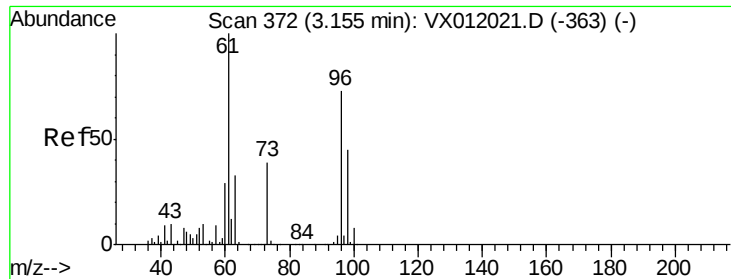
5000

0

Time-->

2.80 2.90 3.00





#21

trans-1,2-Dichloroethene

Concen: 19.235 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

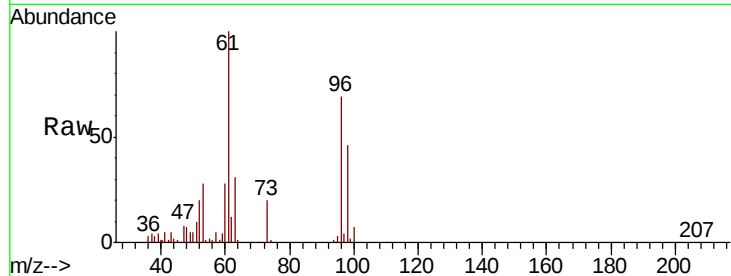
Tgt Ion: 96 Resp: 29219

Ion Ratio Lower Upper

96 100

61 144.7 107.0 160.6

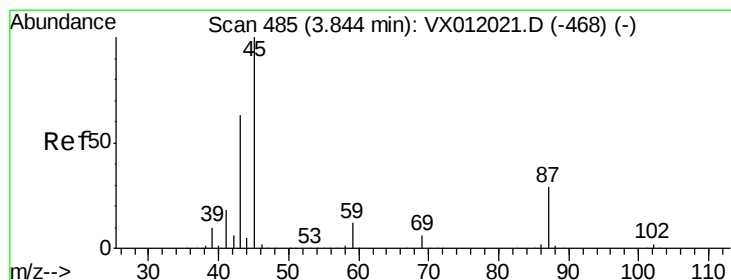
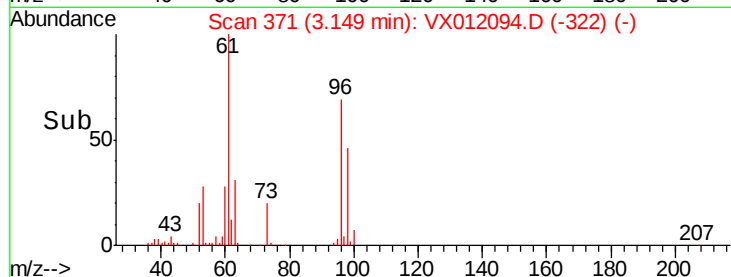
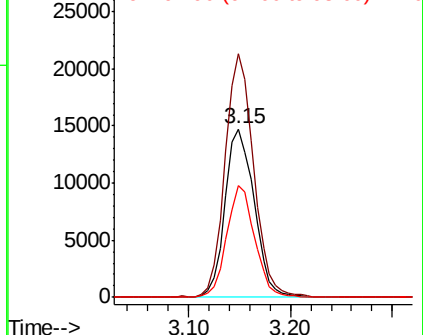
98 66.7 49.8 74.6



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: 20.136 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Tgt Ion: 45 Resp: 96136

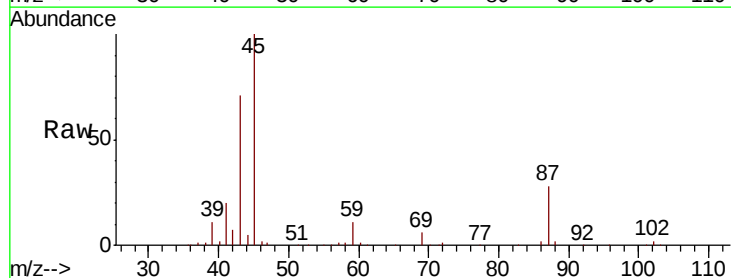
Ion Ratio Lower Upper

45 100

43 70.5 54.2 81.4

87 27.5 23.4 35.0

59 11.0 9.0 13.6

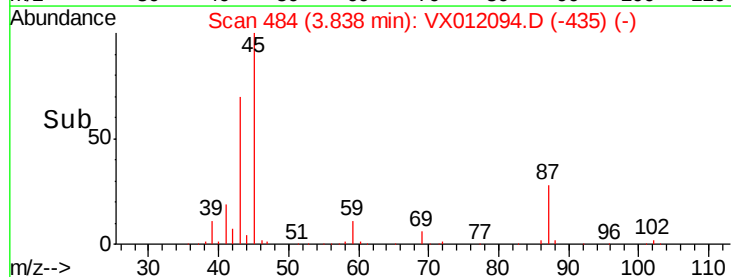
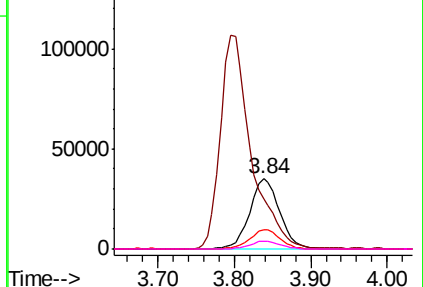


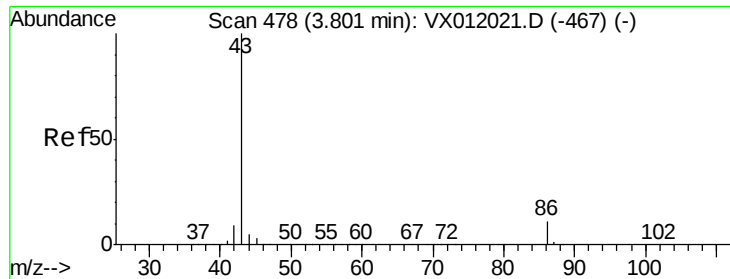
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

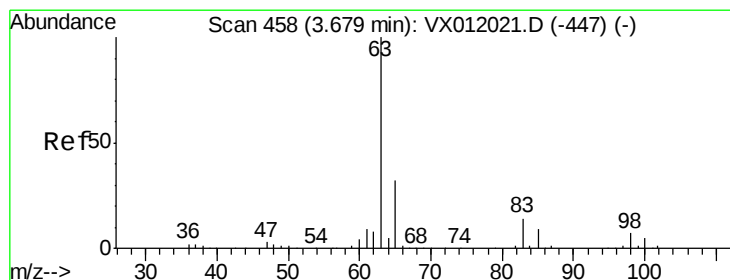
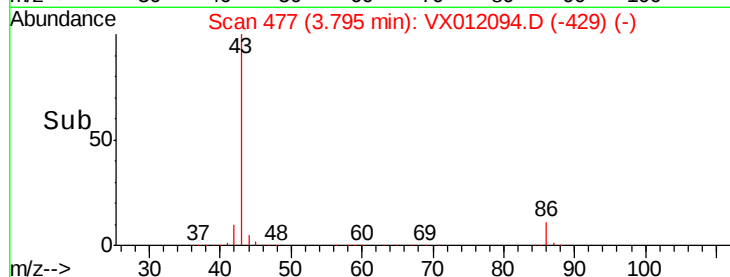
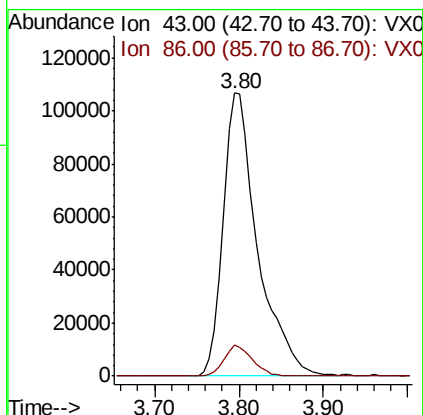
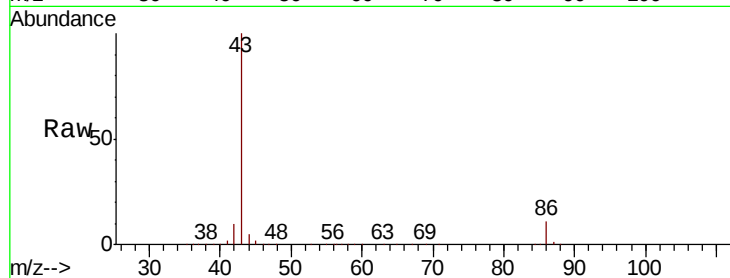




#23
 Vinyl Acetate
 Concen: 96.478 ug/l
 RT: 3.80 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

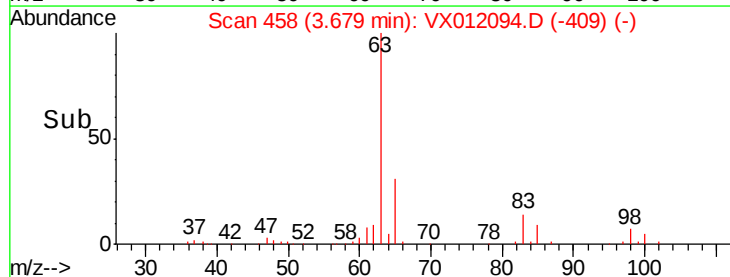
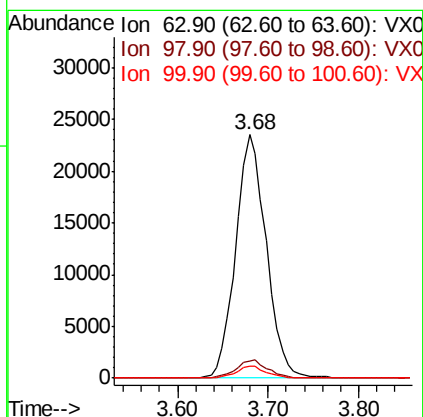
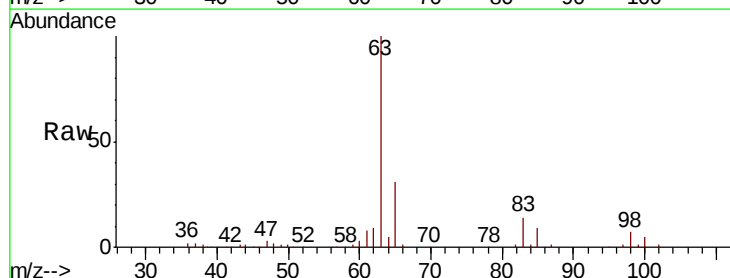
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

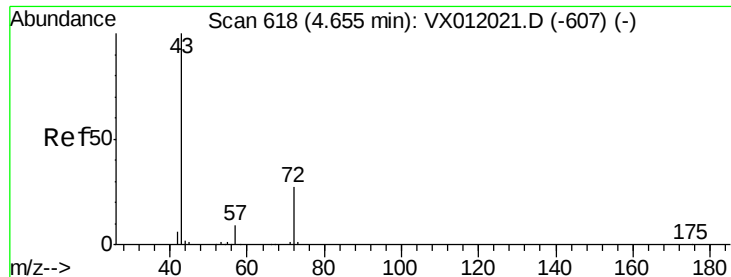
Tgt Ion: 43 Resp: 297969
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.0 13.6



#24
 1,1-Dichloroethane
 Concen: 19.874 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion: 63 Resp: 55032
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.9 11.7
 100 4.7 2.5 7.4





#25

2-Butanone

Concen: 95.360 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

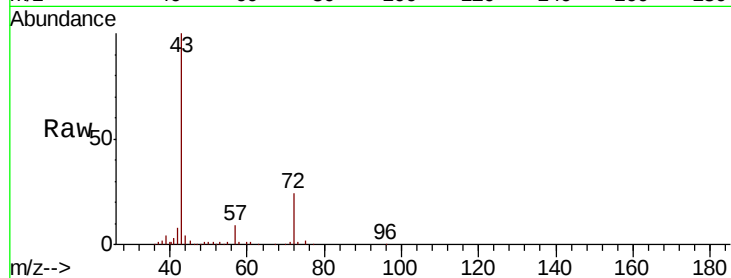
VX0905SBS01

Tgt Ion: 43 Resp: 52629

Ion Ratio Lower Upper

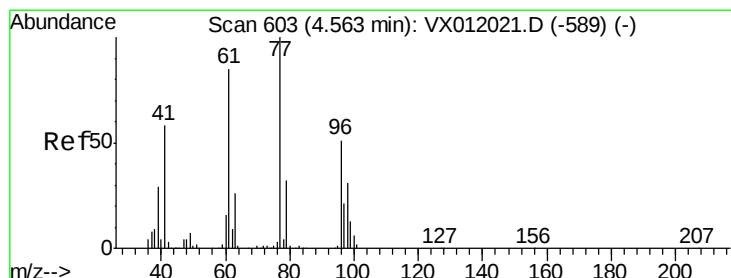
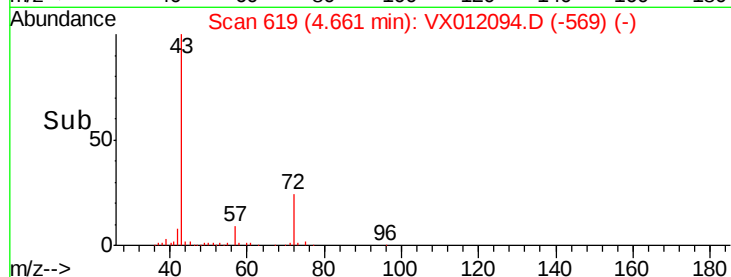
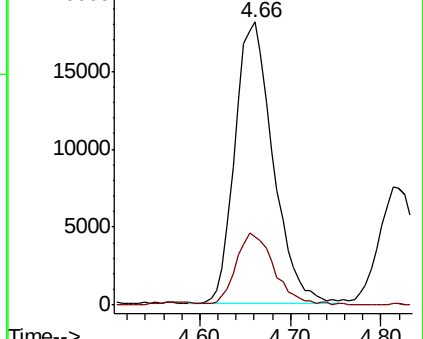
43 100

72 23.9 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.636 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012094.D

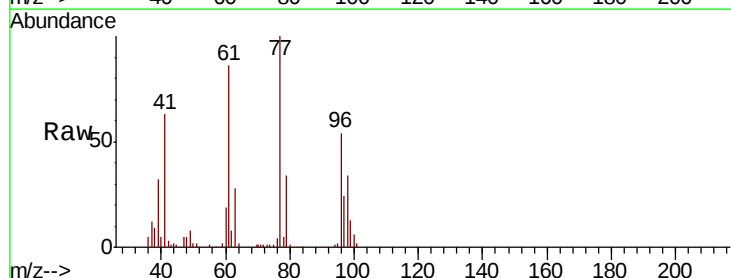
Acq: 05 Sep 2019 12:04

Tgt Ion: 77 Resp: 52755

Ion Ratio Lower Upper

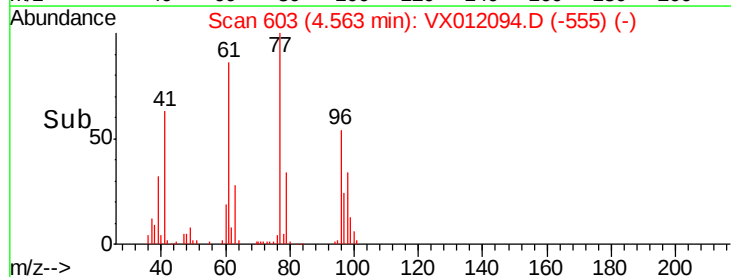
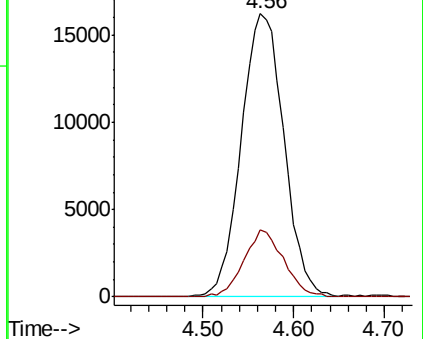
77 100

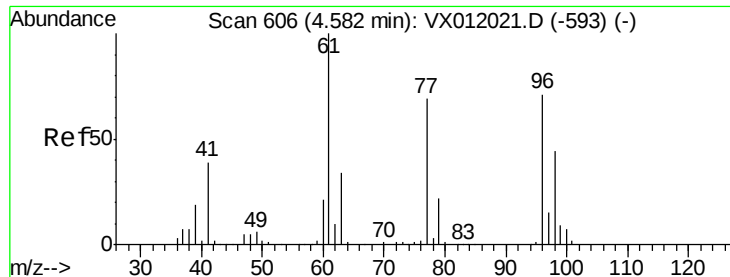
97 22.2 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



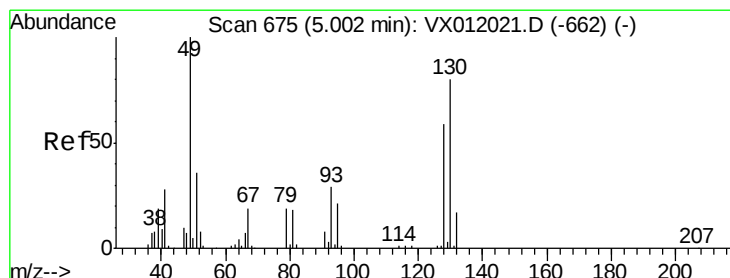
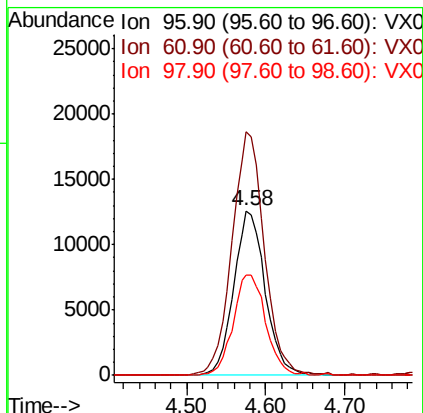
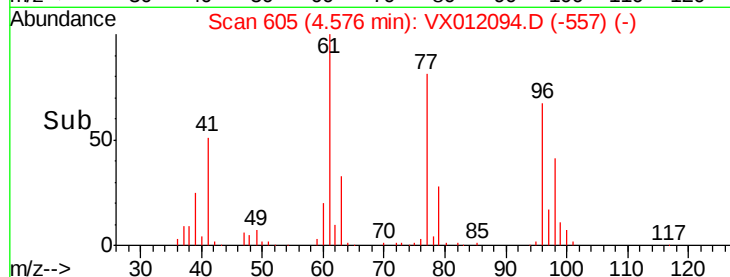
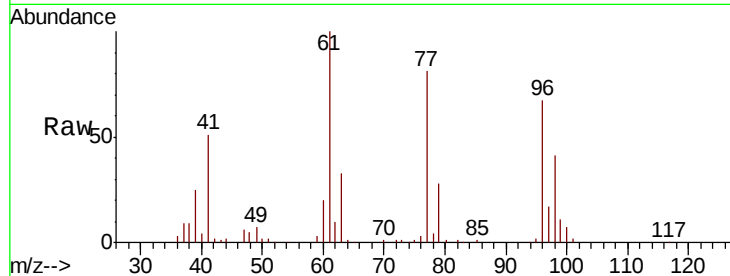


#27

cis-1,2-Dichloroethene
Concen: 19.544 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

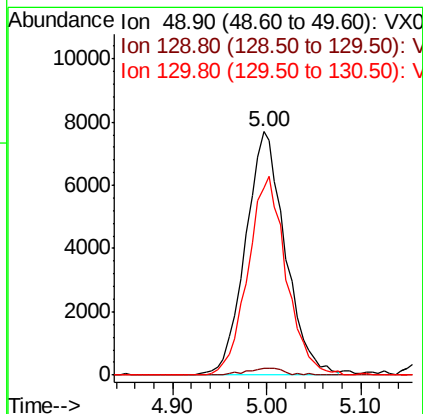
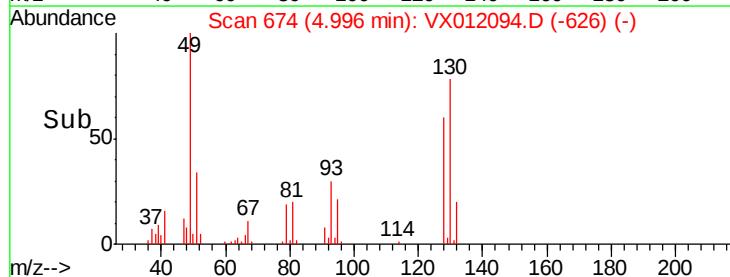
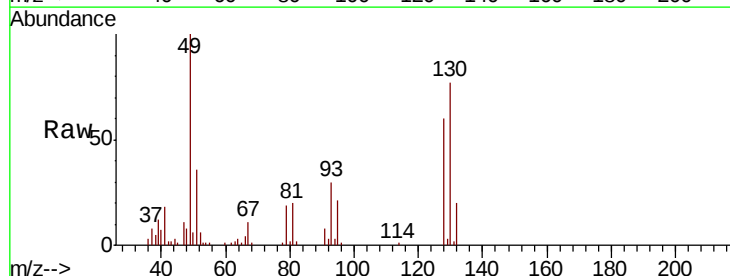
Tgt Ion: 96 Resp: 34801
Ion Ratio Lower Upper
96 100
61 152.3 0.0 277.0
98 63.3 0.0 128.4

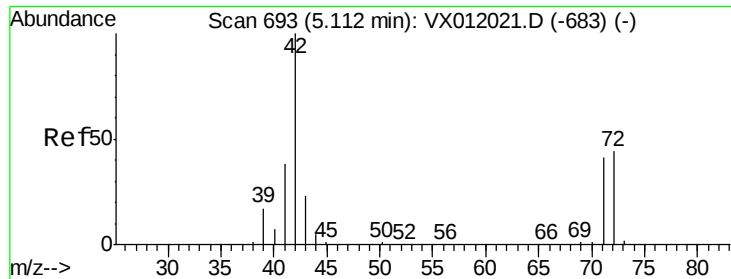


#28

Bromochloromethane
Concen: 20.653 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 49 Resp: 22828
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.6
130 78.5 76.7 115.1





#29

Tetrahydrofuran

Concen: 95.886 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampled :

VX0905SBS01

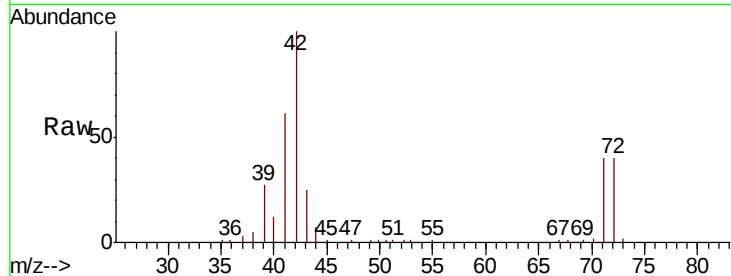
Tgt Ion: 42 Resp: 31884

Ion Ratio Lower Upper

42 100

72 44.3 37.0 55.4

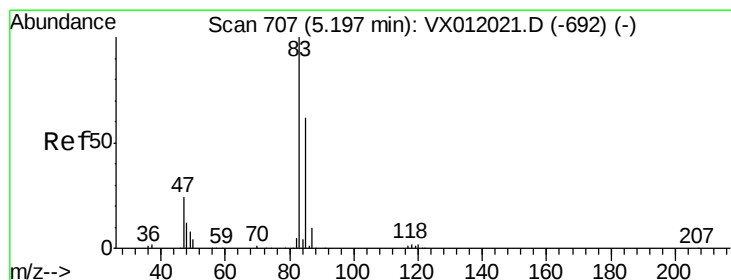
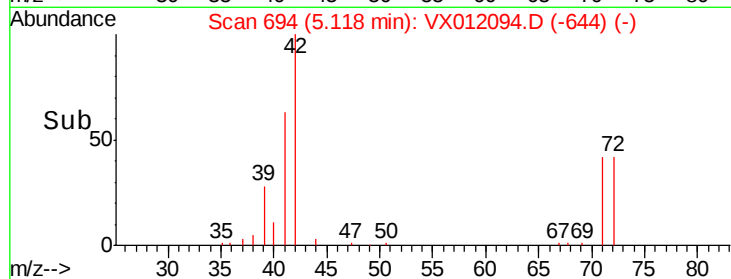
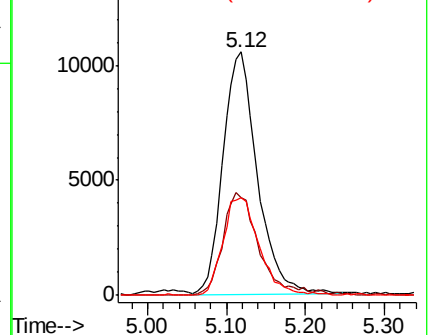
71 42.8 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 20.054 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.00 min

Lab File: VX012094.D

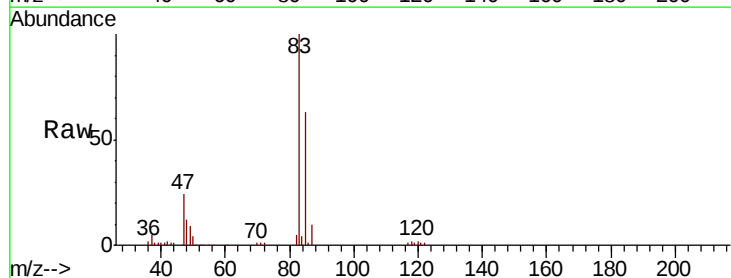
Acq: 05 Sep 2019 12:04

Tgt Ion: 83 Resp: 59585

Ion Ratio Lower Upper

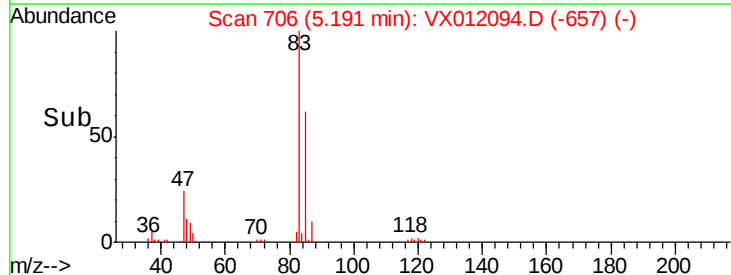
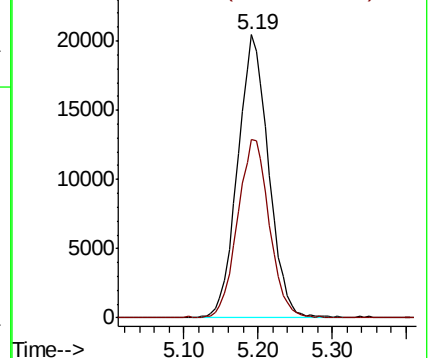
83 100

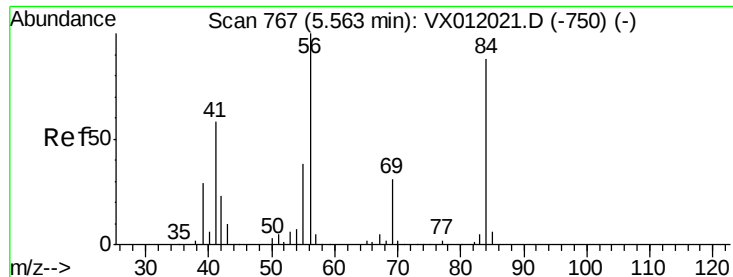
85 63.1 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

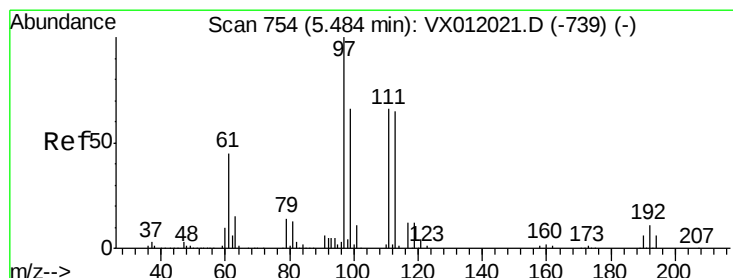
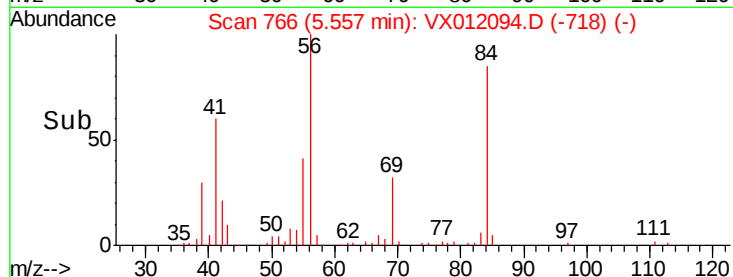
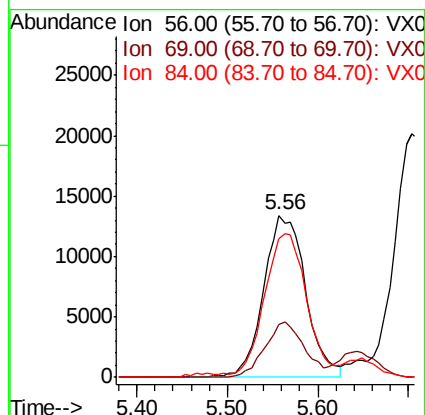
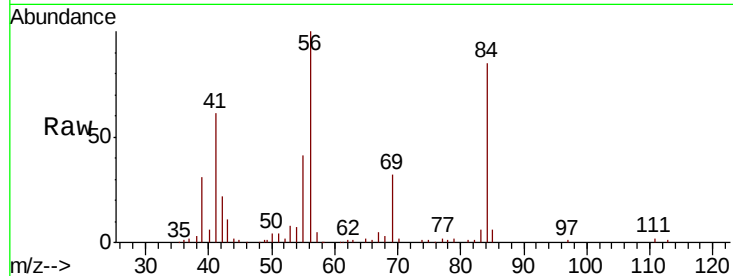




#31
Cyclohexane
Concen: 19.201 ug/l
RT: 5.56 min Scan# 766
Delta R.T. -0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

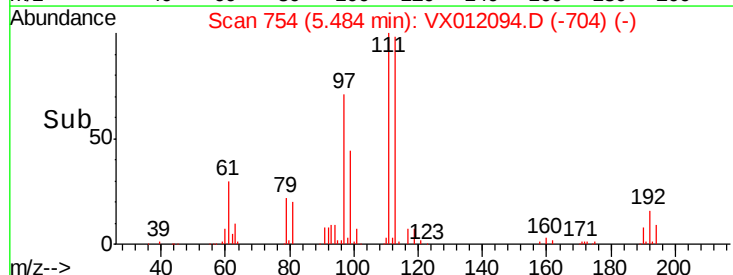
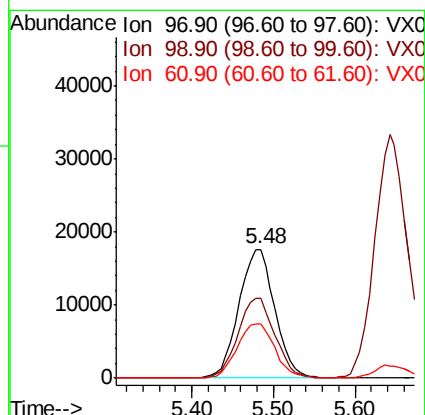
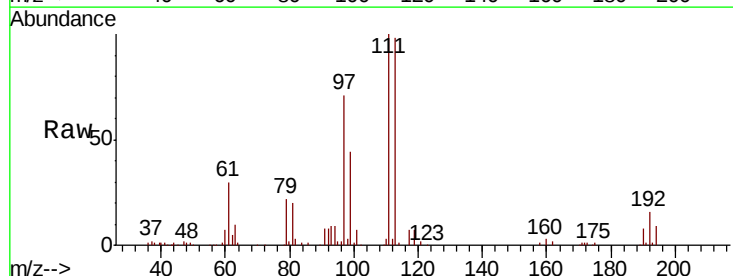
Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

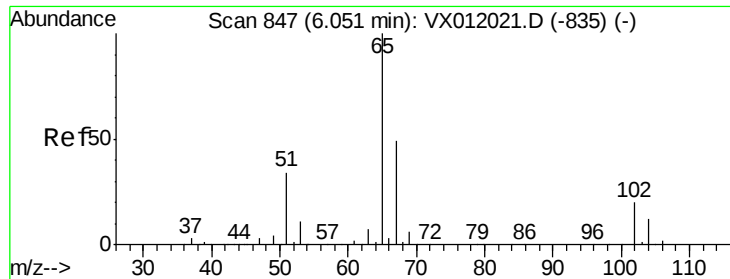
Tgt Ion: 56 Resp: 42700
Ion Ratio Lower Upper
56 100
69 32.0 25.7 38.5
84 84.0 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 20.796 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 97 Resp: 53815
Ion Ratio Lower Upper
97 100
99 63.5 52.1 78.1
61 44.3 32.8 49.2

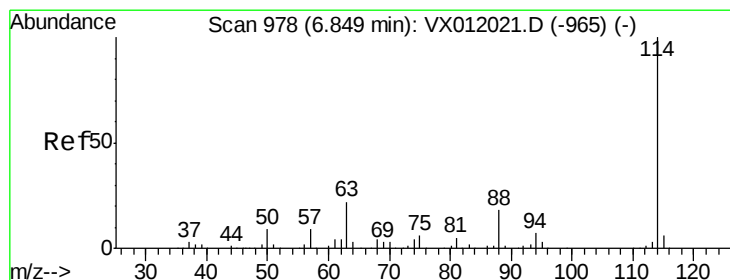
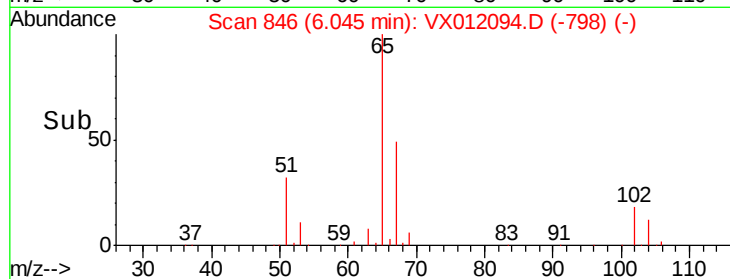
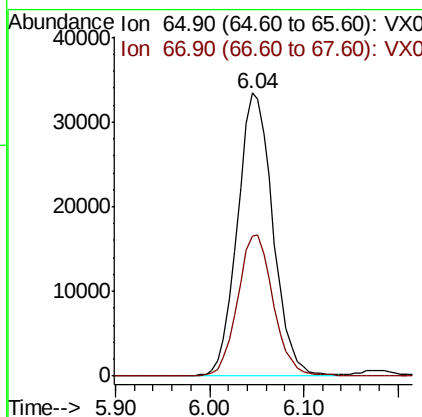
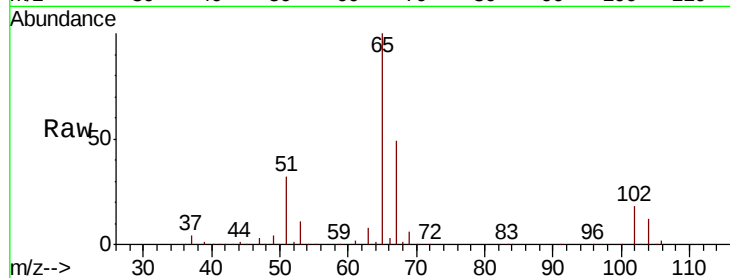




#33
 1,2-Dichloroethane-d4
 Concen: 48.583 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

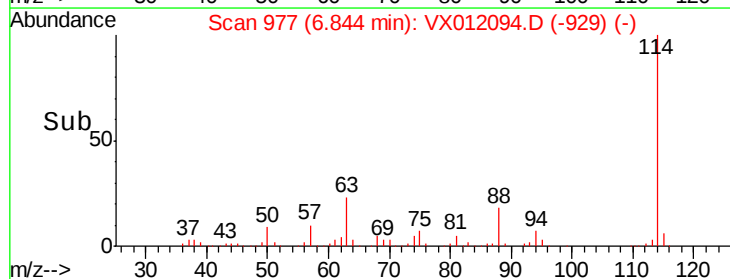
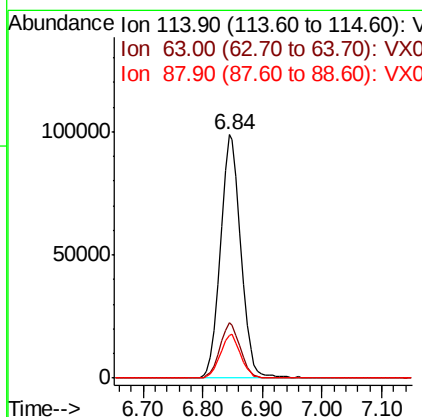
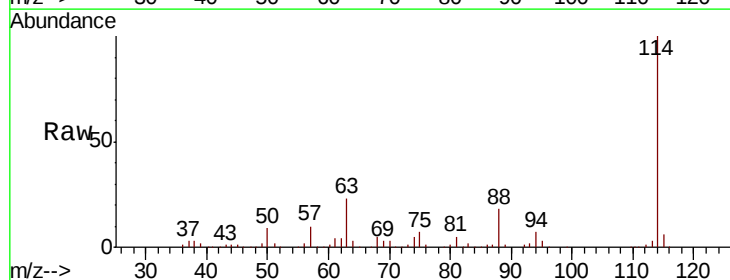
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

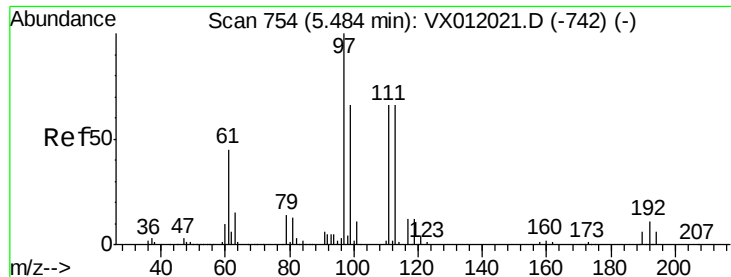
Tgt Ion: 65 Resp: 88127
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion: 114 Resp: 235600
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 37.4
 88 17.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.699 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

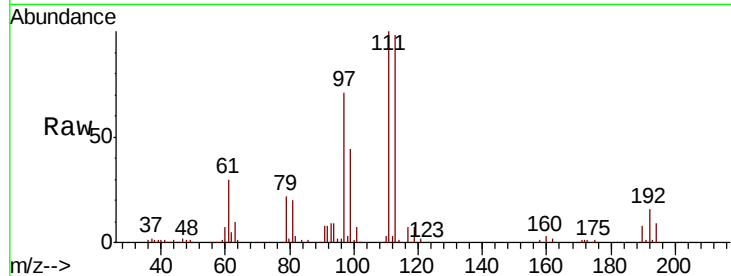
Tgt Ion:113 Resp: 70558

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

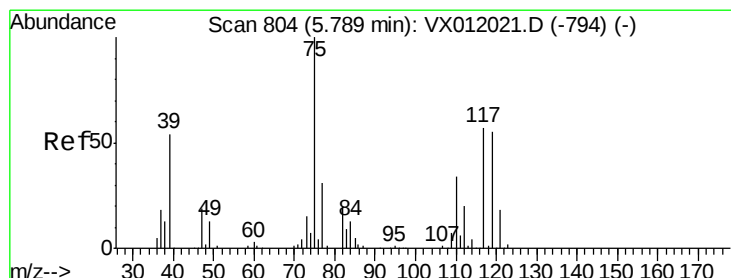
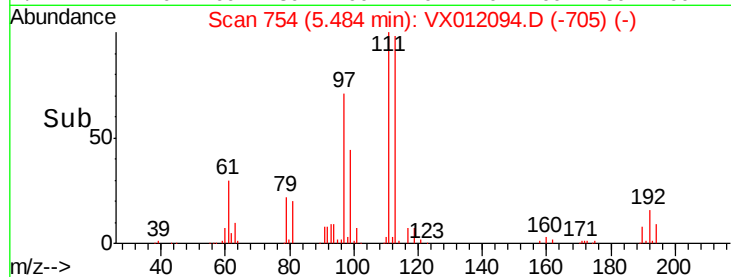
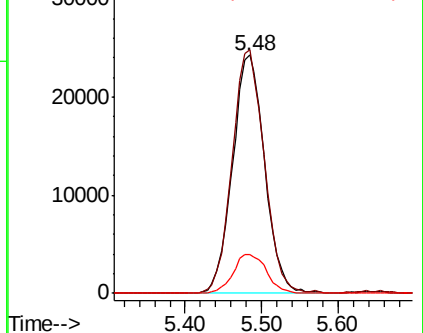
192 16.8 22.5 33.7#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.603 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

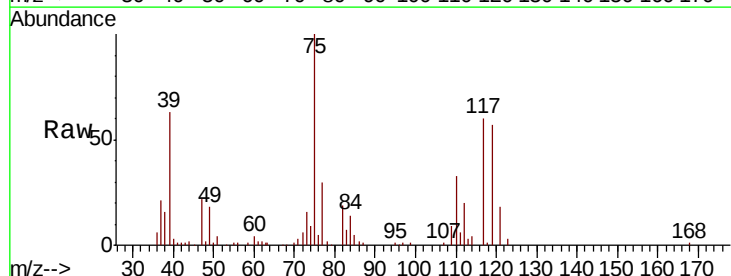
Tgt Ion: 75 Resp: 40677

Ion Ratio Lower Upper

75 100

110 35.2 19.5 58.5

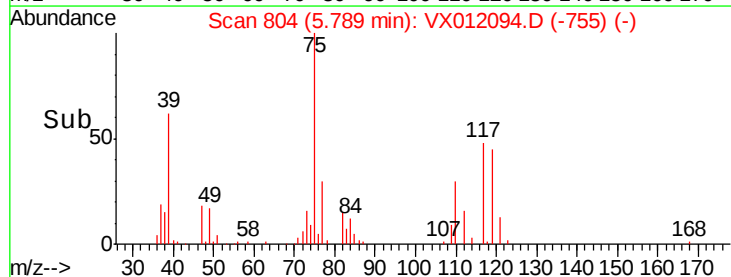
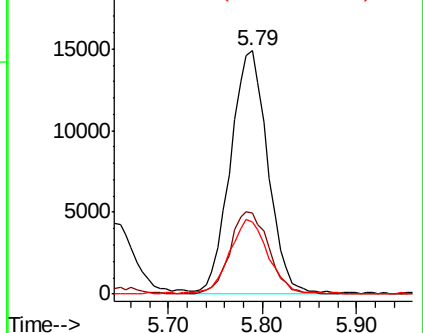
77 32.3 24.6 37.0

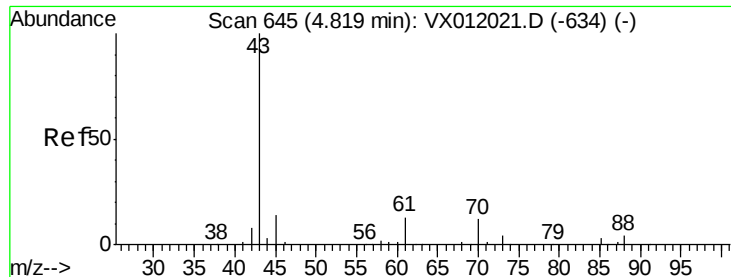


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

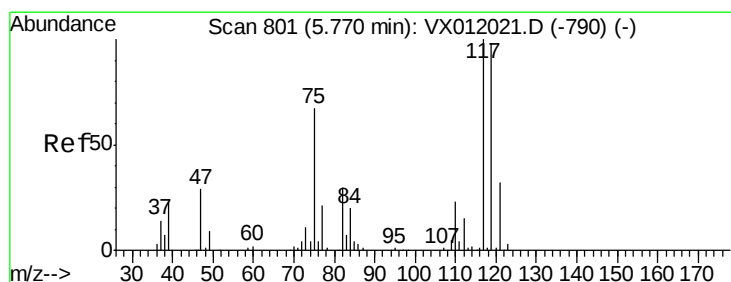
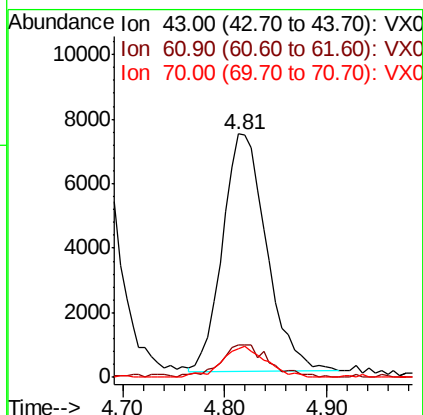
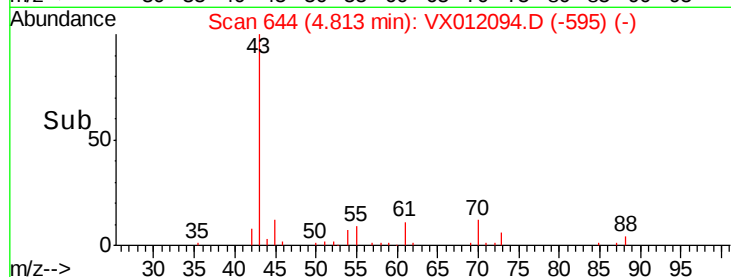
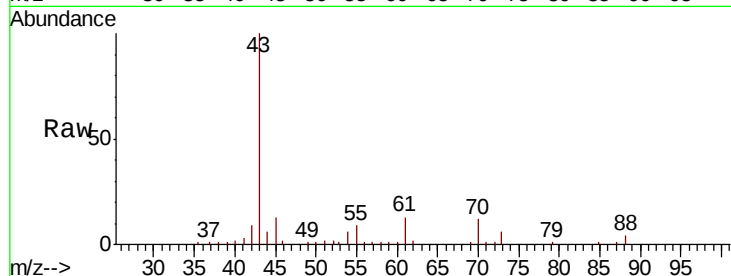




#37
Ethyl Acetate
Concen: 19.584 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

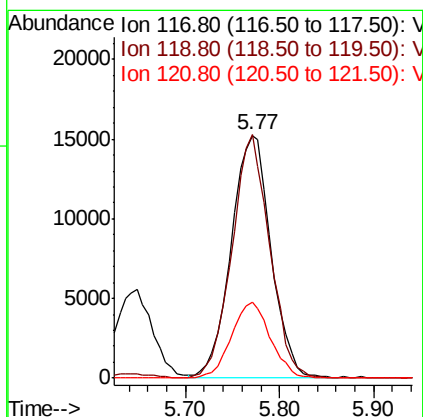
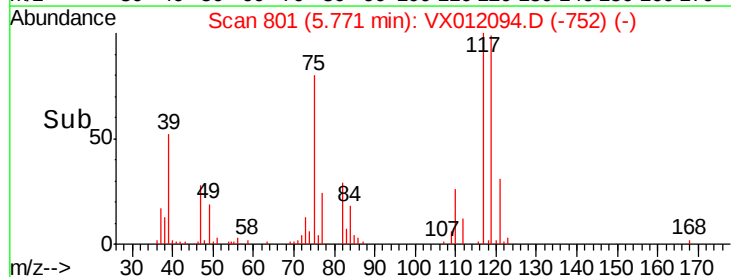
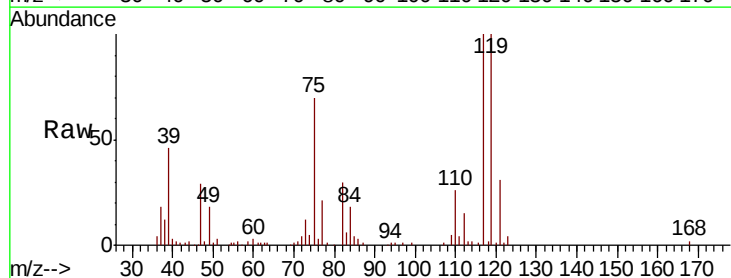
Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

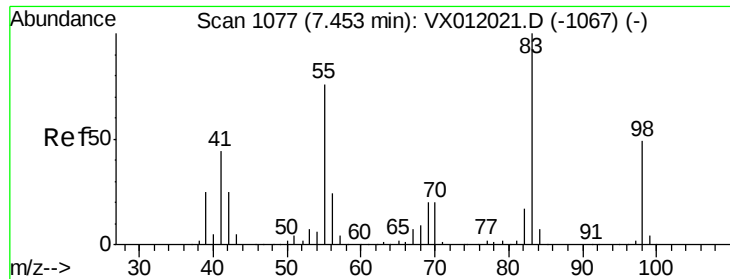
Tgt Ion: 43 Resp: 22098
Ion Ratio Lower Upper
43 100
61 15.2 10.9 16.3
70 13.0 9.4 14.0



#38
Carbon Tetrachloride
Concen: 20.578 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 117 Resp: 44995
Ion Ratio Lower Upper
117 100
119 100.2 78.3 117.5
121 31.2 24.2 36.2

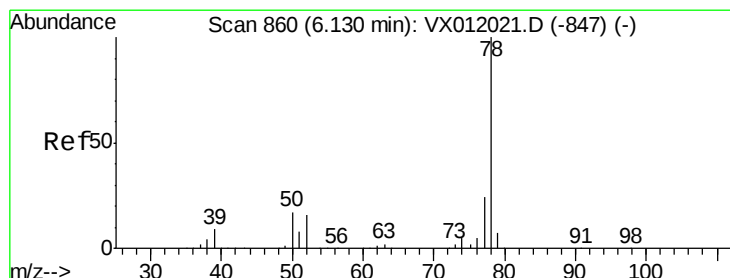
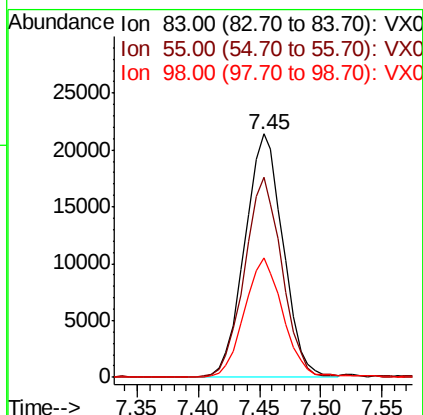
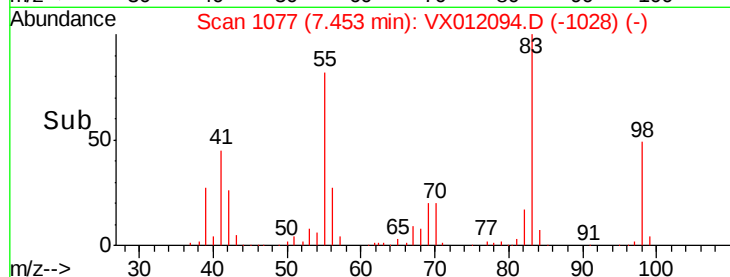
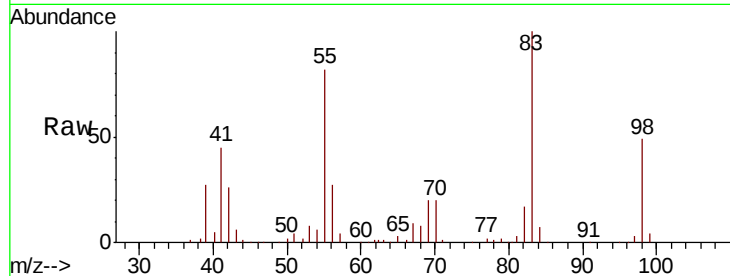




#39
Methylcyclohexane
Concen: 19.361 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

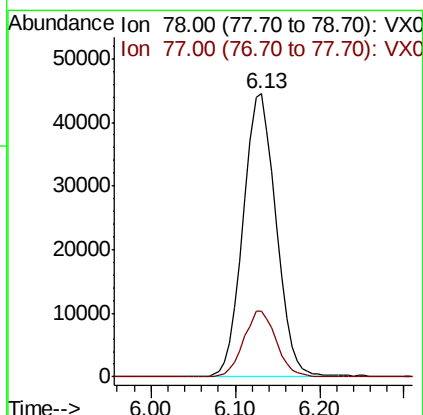
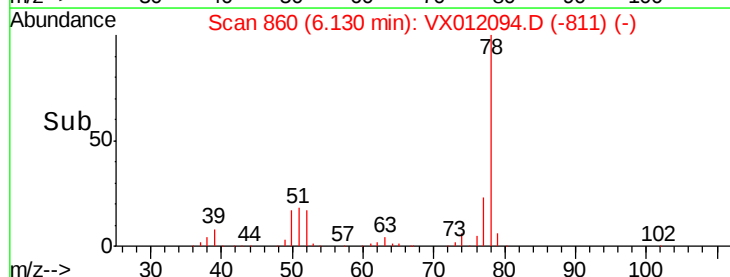
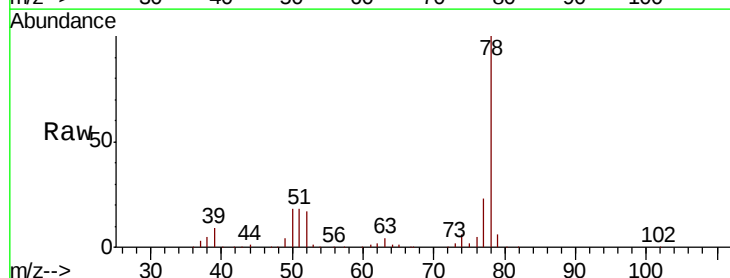
Instrument :
MSVOA_X
ClientSampled :
VX0905SBS01

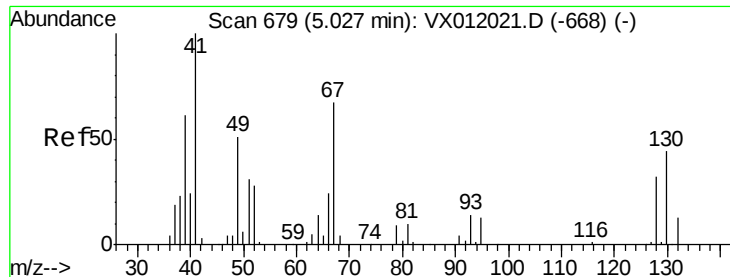
Tgt Ion: 83 Resp: 46627
Ion Ratio Lower Upper
83 100
55 81.9 59.6 89.4
98 48.9 41.4 62.0



#40
Benzene
Concen: 19.767 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 78 Resp: 117751
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9

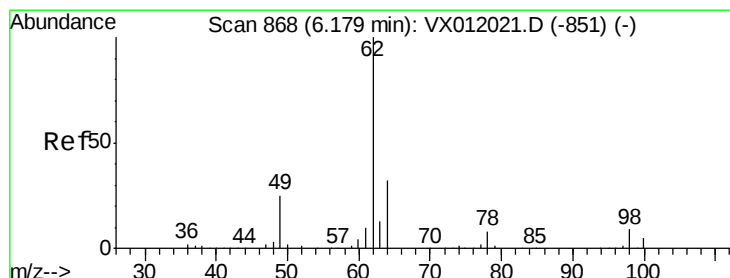
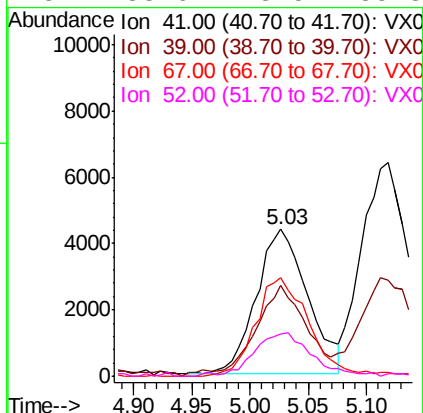
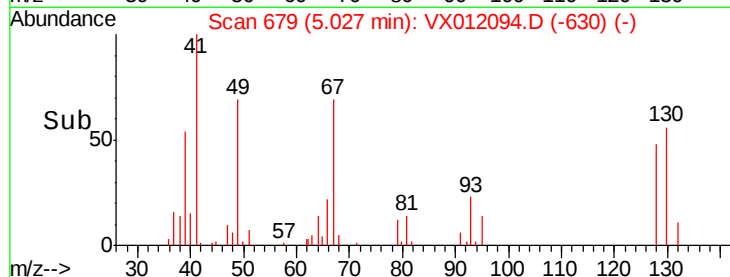
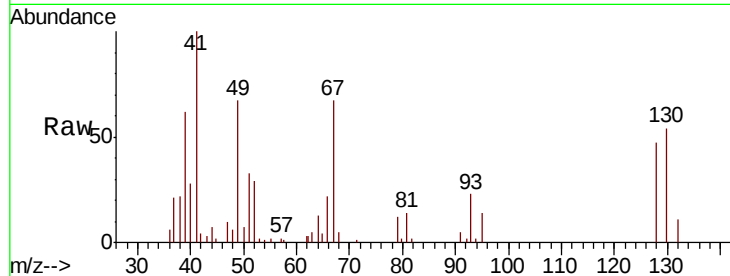




#41
Methacrylonitrile
Concen: 19.952 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

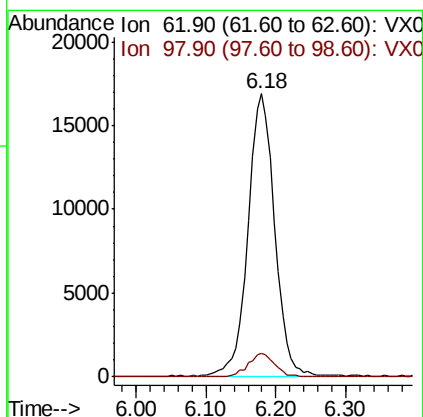
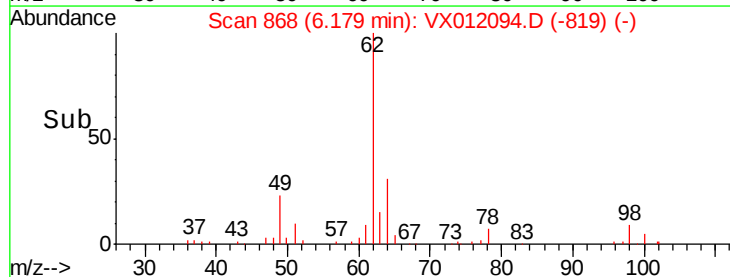
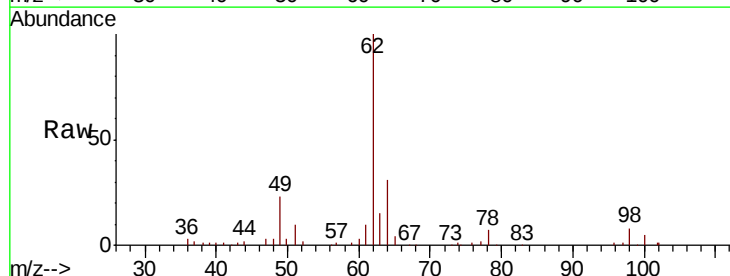
Instrument :
MSVOA_X
ClientSampleID :
VX0905SBS01

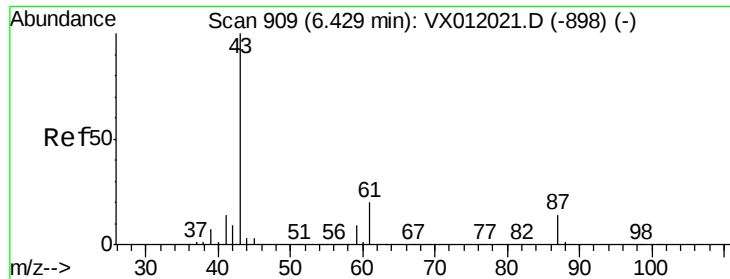
Tgt Ion:	41	Resp:	13426
Ion	Ratio	Lower	Upper
41	100		
39	62.0	46.7	70.1
67	71.1	57.0	85.6
52	33.6	23.5	35.3



#42
1,2-Dichloroethane
Concen: 21.031 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion:	62	Resp:	45084
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	19.2





#43

Isopropyl Acetate

Concen: 19.760 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

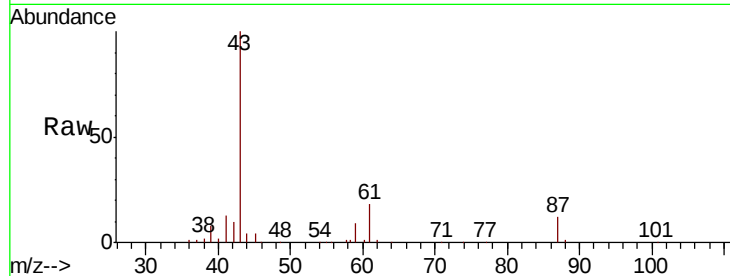
Tgt Ion: 43 Resp: 45337

Ion Ratio Lower Upper

43 100

61 19.5 16.1 24.1

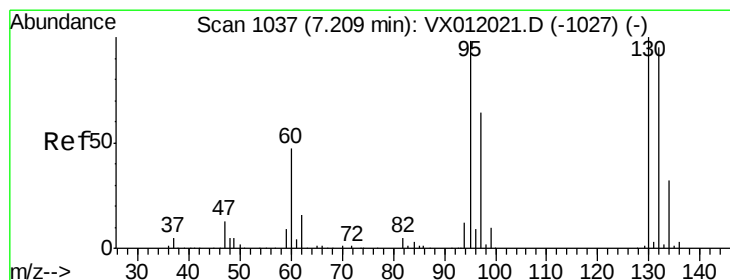
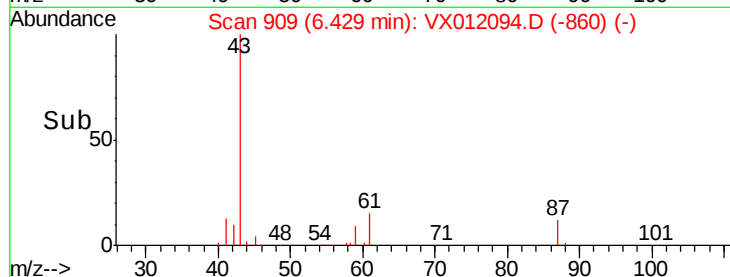
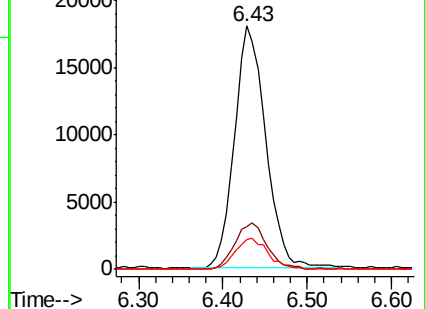
87 13.3 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 20.020 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX012094.D

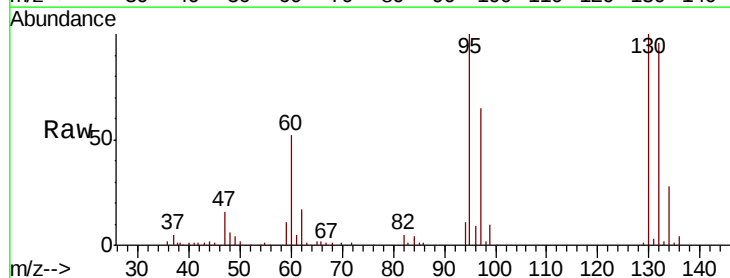
Acq: 05 Sep 2019 12:04

Tgt Ion: 130 Resp: 32167

Ion Ratio Lower Upper

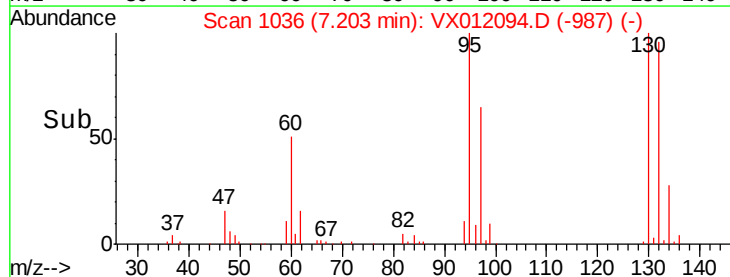
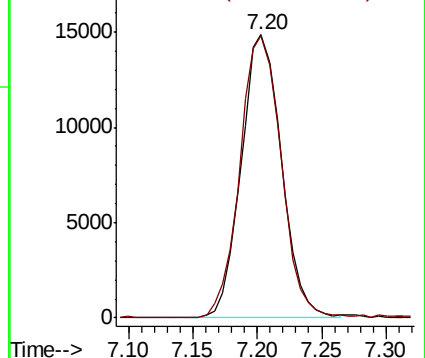
130 100

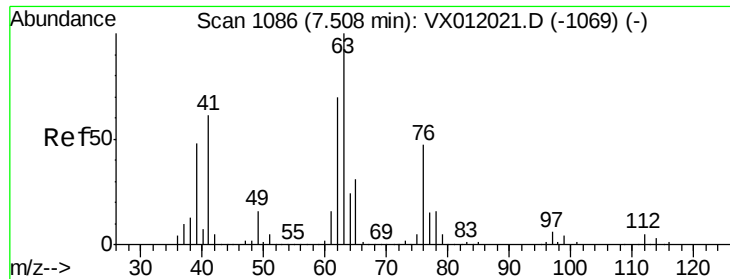
95 99.9 0.0 176.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

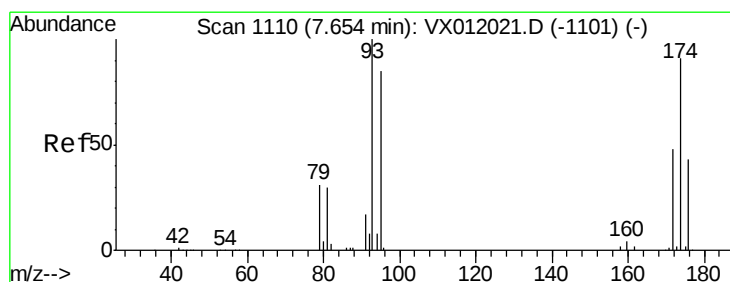
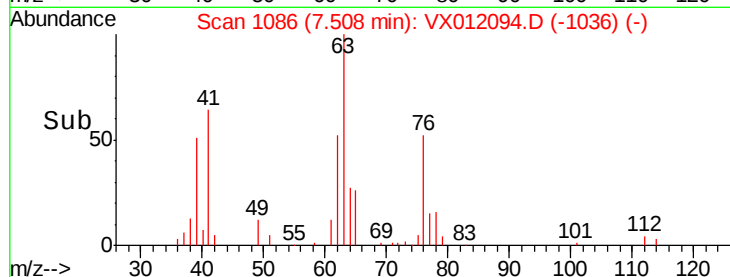
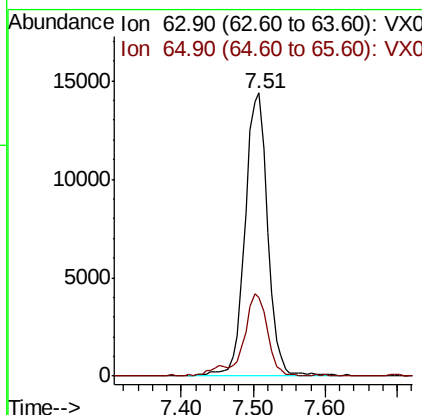
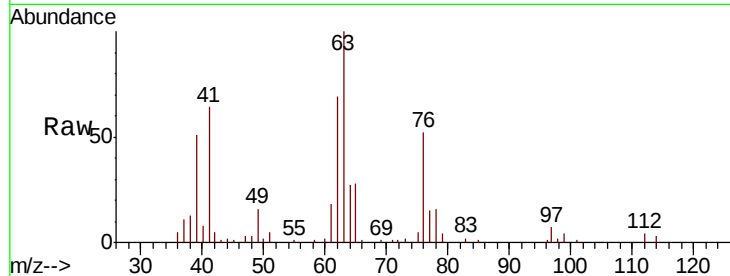




#45
 1,2-Dichloropropane
 Concen: 20.398 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

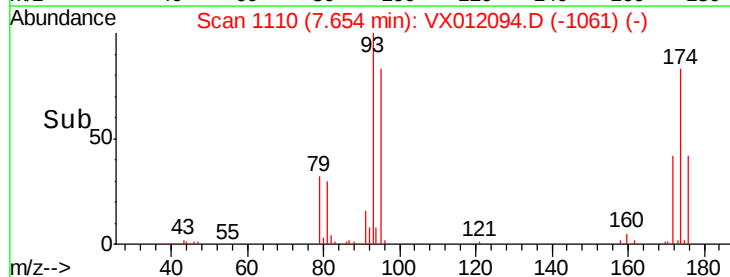
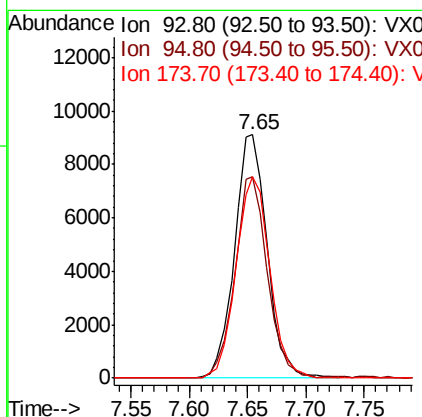
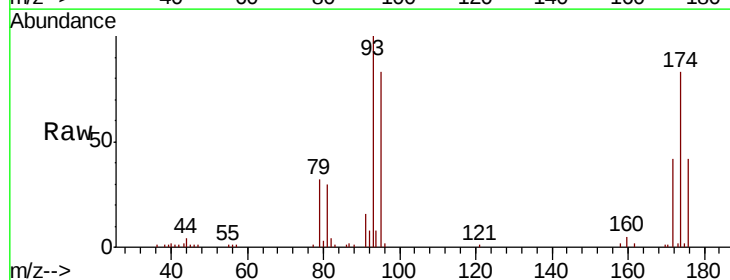
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

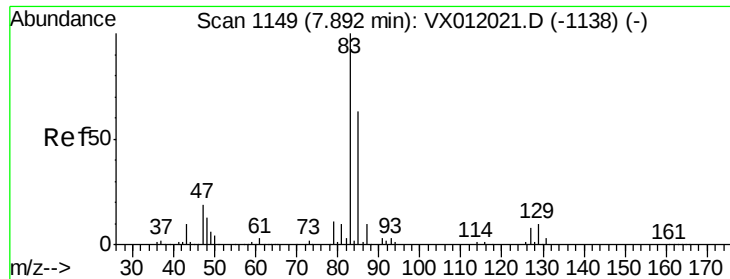
Tgt Ion: 63 Resp: 31395
 Ion Ratio Lower Upper
 63 100
 65 27.8 25.0 37.6



#46
 Dibromomethane
 Concen: 19.838 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion: 93 Resp: 17824
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.2 99.2
 174 85.1 110.2 165.4#





#47

Bromodichloromethane

Concen: 20.137 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

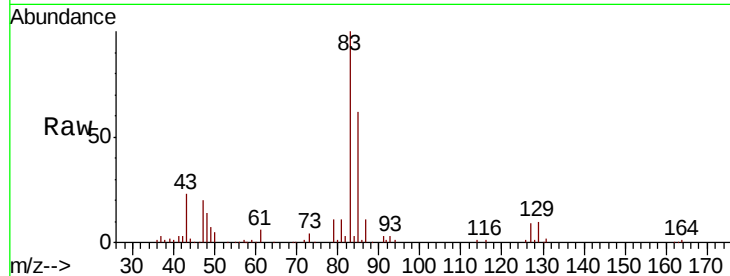
Tgt Ion: 83 Resp: 45989

Ion Ratio Lower Upper

83 100

85 62.3 50.3 75.5

127 8.7 8.1 12.1

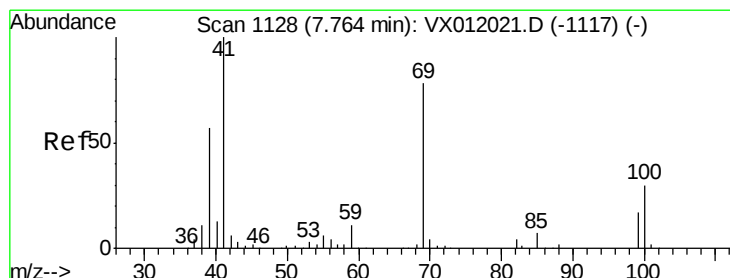
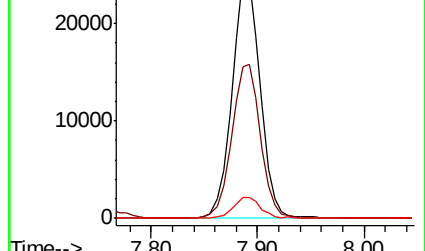
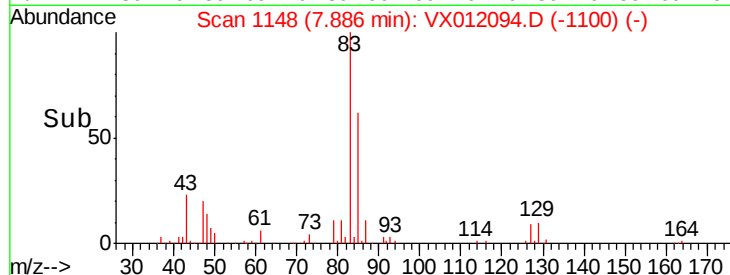


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

Time-->



#48

Methyl methacrylate

Concen: 19.140 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

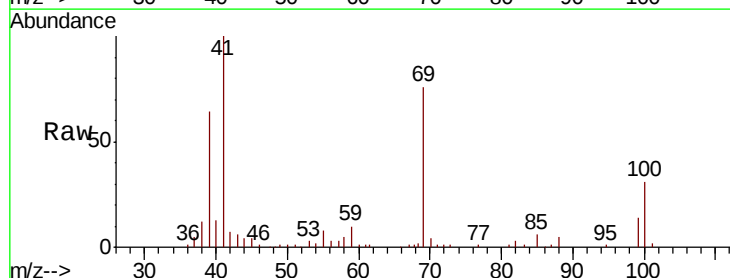
Tgt Ion: 41 Resp: 22081

Ion Ratio Lower Upper

41 100

69 80.8 66.3 99.5

39 62.0 48.1 72.1

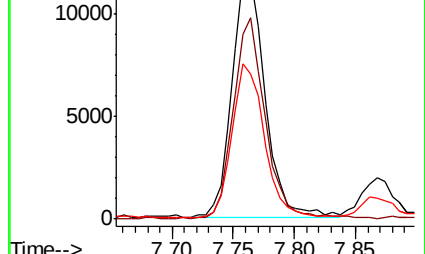
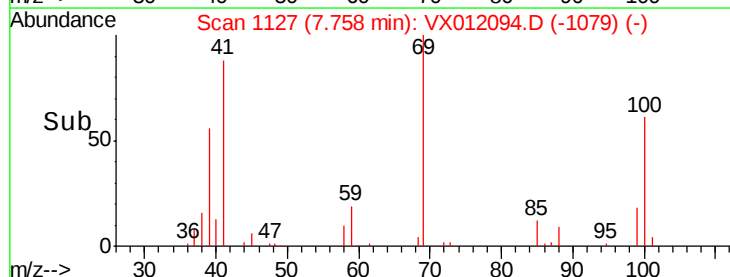


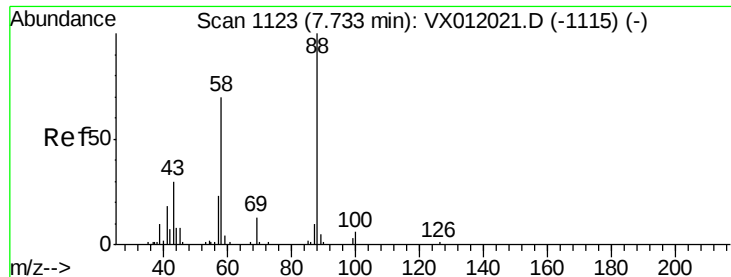
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Time-->

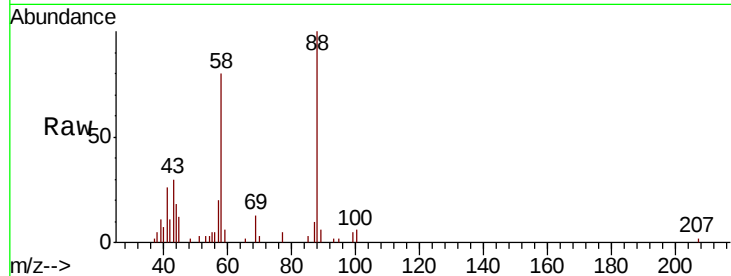




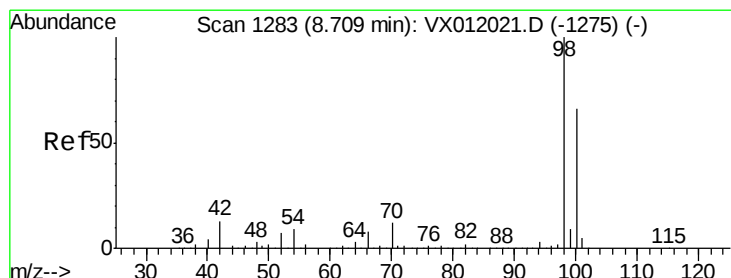
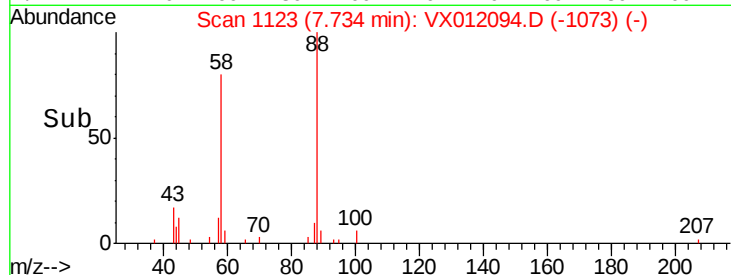
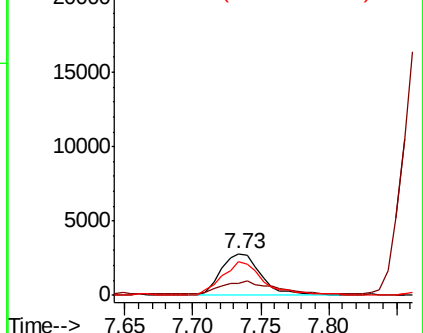
#49
1,4-Dioxane
Concen: 362.953 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tgt Ion: 88 Resp: 5708
Ion Ratio Lower Upper
88 100
43 40.0 29.8 44.6
58 84.9 55.4 83.2#

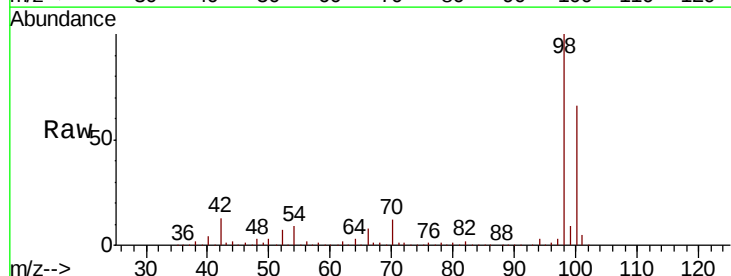


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

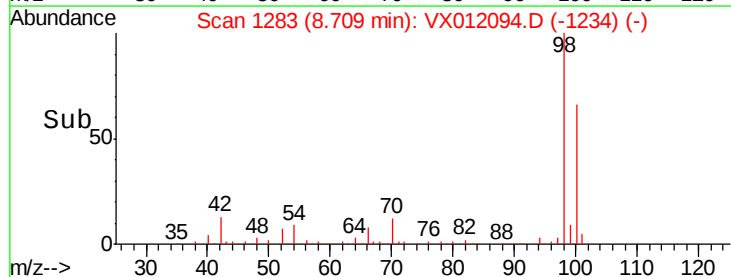
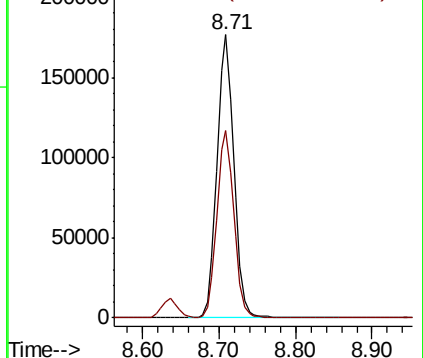


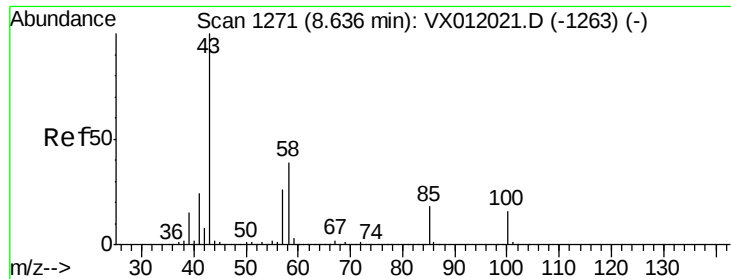
#50
Toluene-d8
Concen: 50.843 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 98 Resp: 270317
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



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: 99.652 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

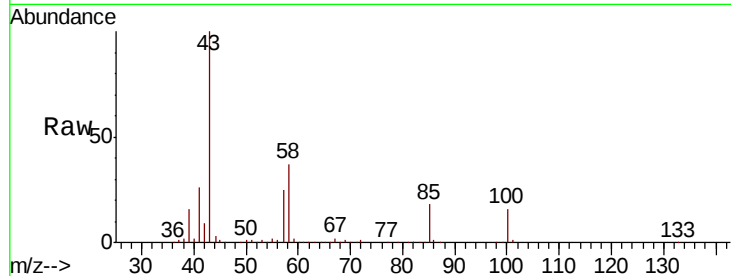
VX0905SBS01

Tgt Ion: 43 Resp: 116295

Ion Ratio Lower Upper

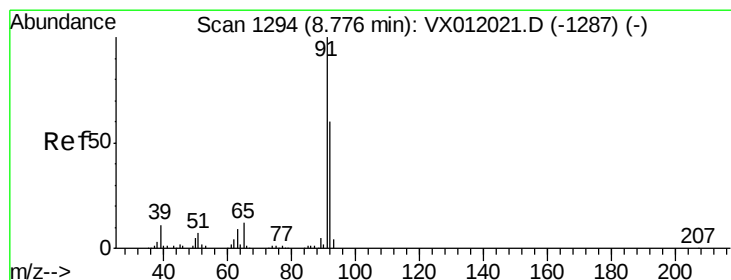
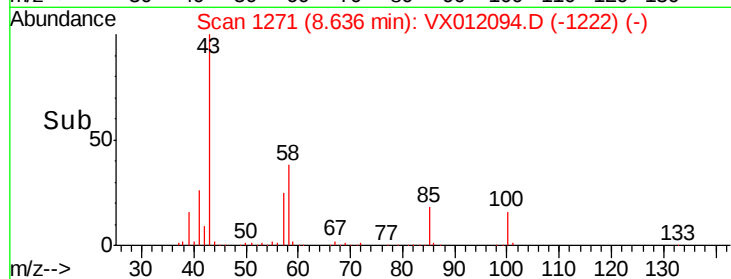
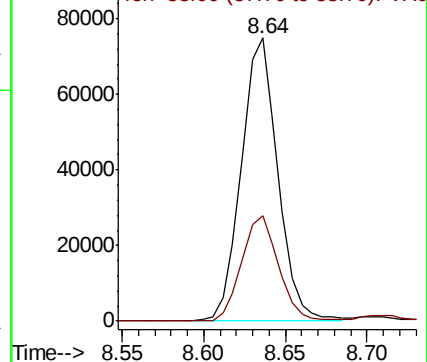
43 100

58 37.8 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.925 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012094.D

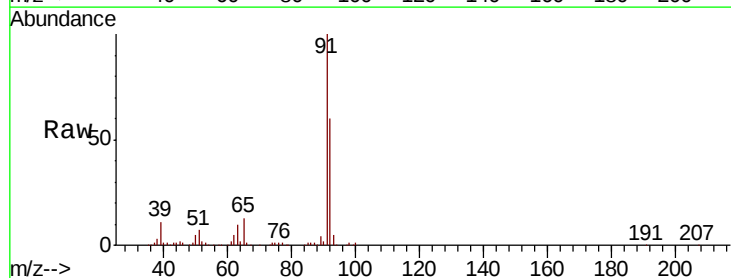
Acq: 05 Sep 2019 12:04

Tgt Ion: 92 Resp: 77230

Ion Ratio Lower Upper

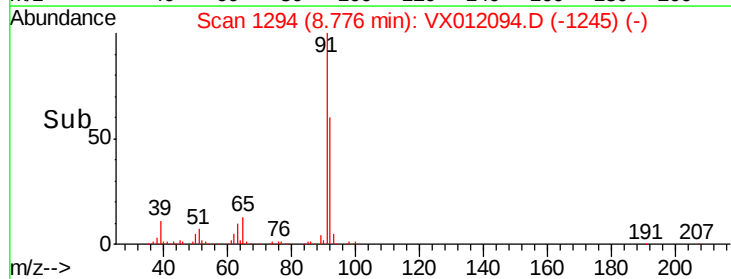
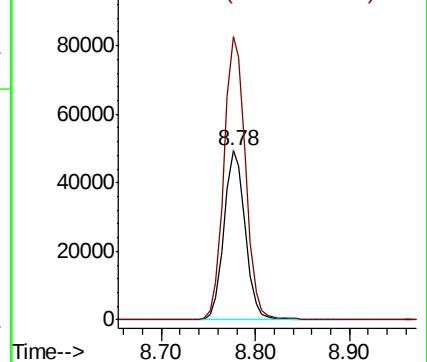
92 100

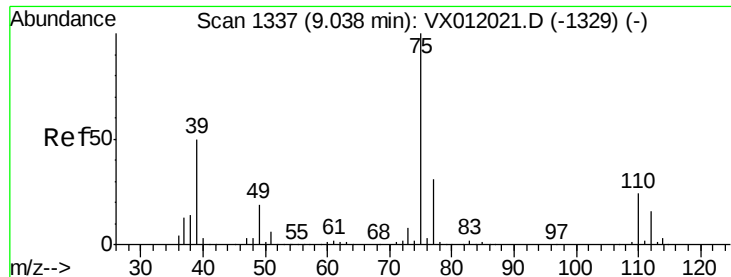
91 169.8 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

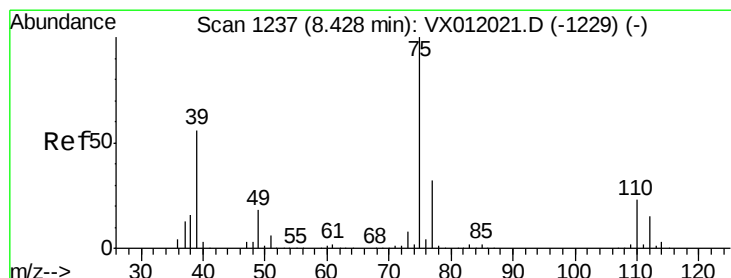
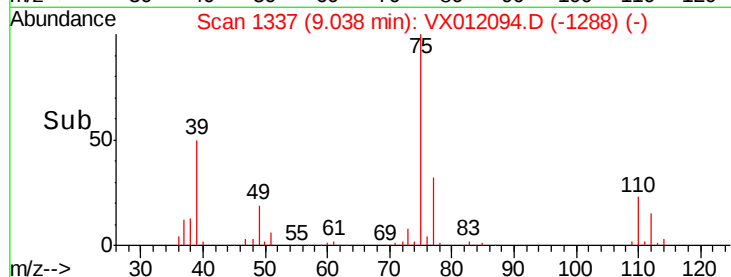
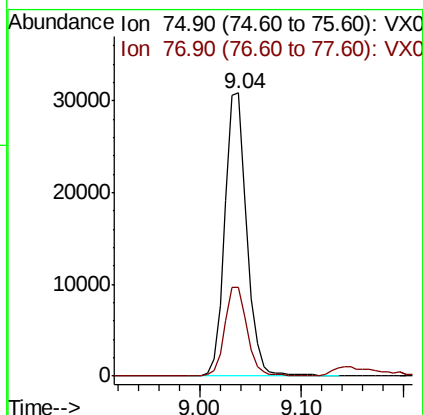
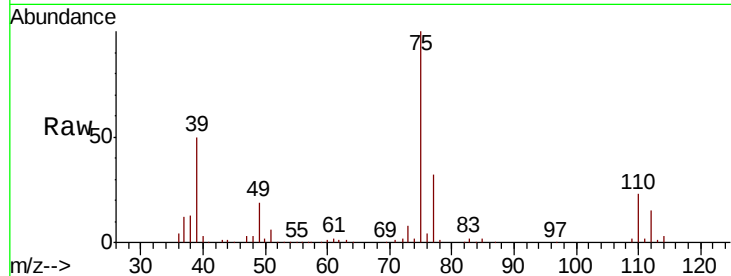




#53
 t-1,3-Dichloropropene
 Concen: 19.385 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

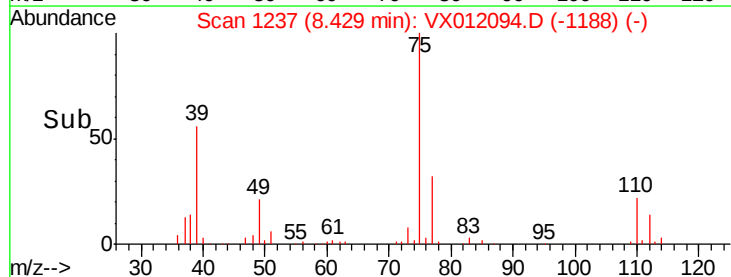
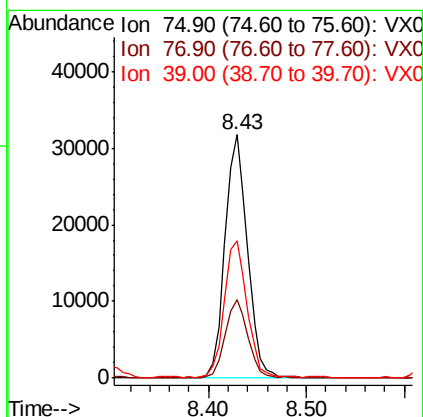
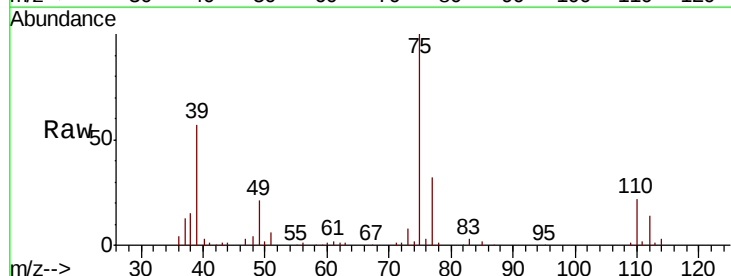
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

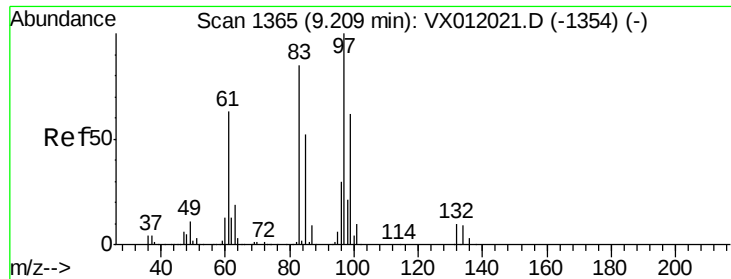
Tgt Ion: 75 Resp: 45833
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 19.258 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion: 75 Resp: 50634
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3
 39 56.3 43.0 64.4

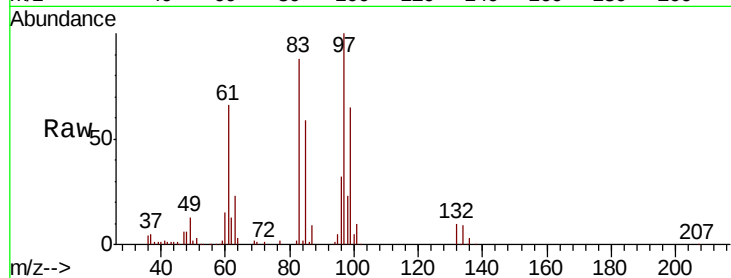




#55
 1,1,2-Trichloroethane
 Concen: 19.756 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Instrument :
 MSVOA_X
 ClientSampled :
 VX0905SBS01

Tgt Ion:	97	Resp:	25376
Ion	Ratio	Lower	Upper
97	100		
83	88.5	66.0	99.0
85	59.1	41.0	61.6
99	65.3	50.6	75.8



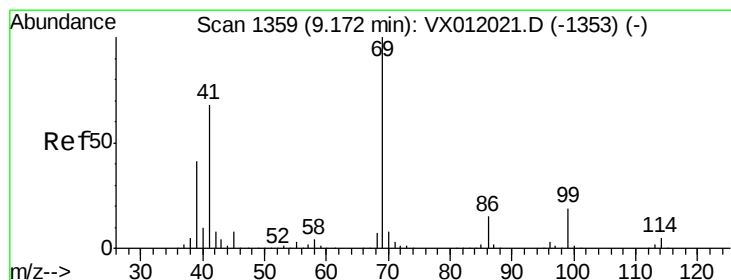
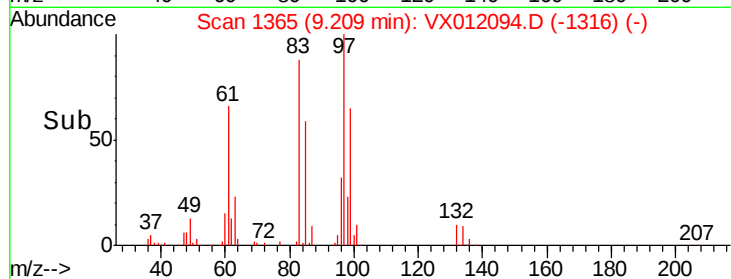
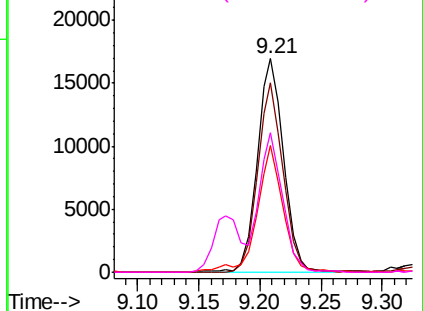
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

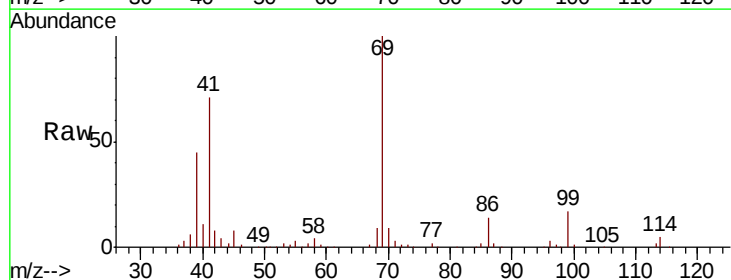
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 19.473 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion:	69	Resp:	35829
Ion	Ratio	Lower	Upper
69	100		
41	70.0	53.9	80.9
39	43.2	31.1	46.7

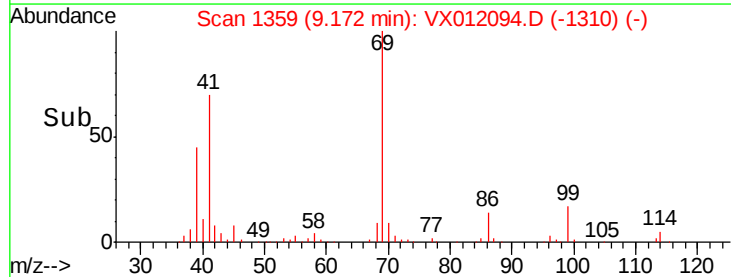
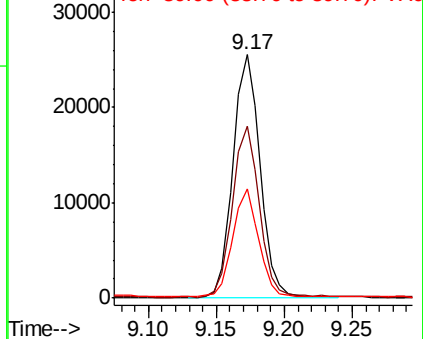


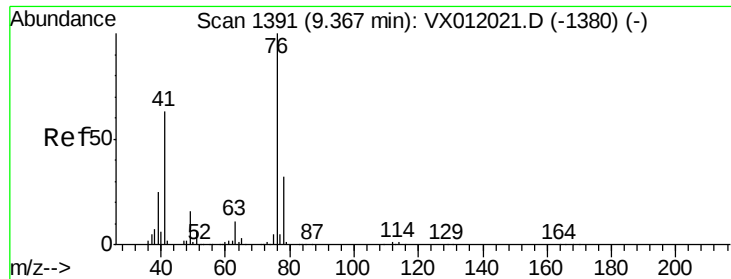
Abundance

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

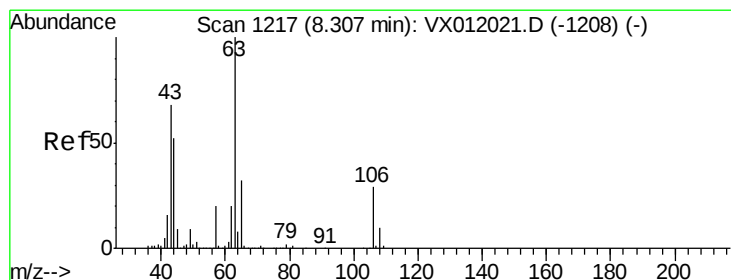
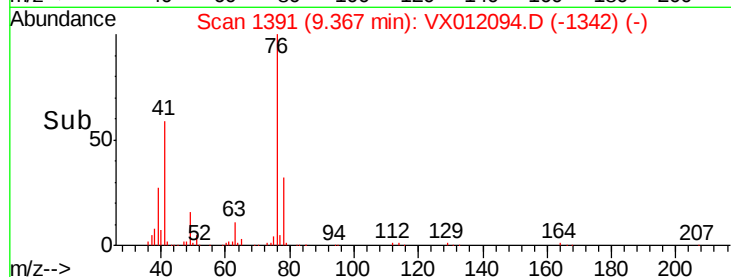
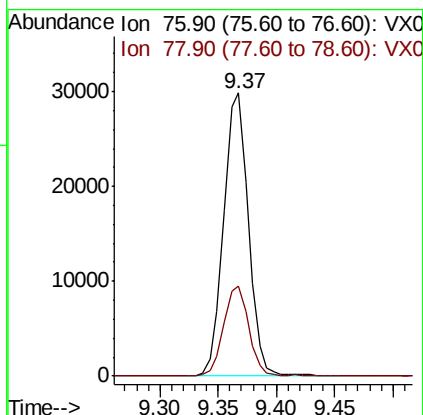
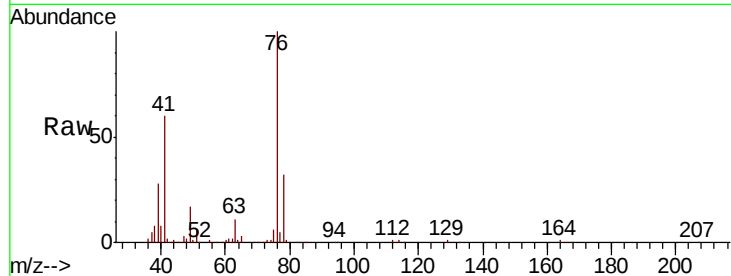




#57
 1,3-Dichloropropane
 Concen: 19.891 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

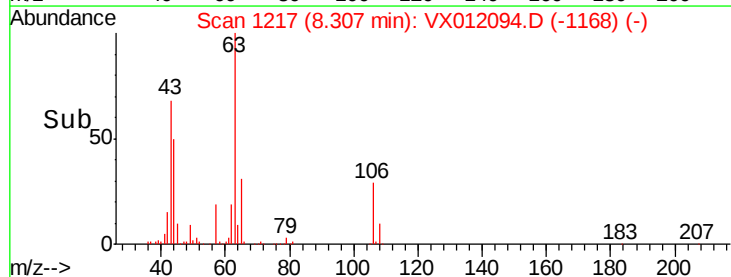
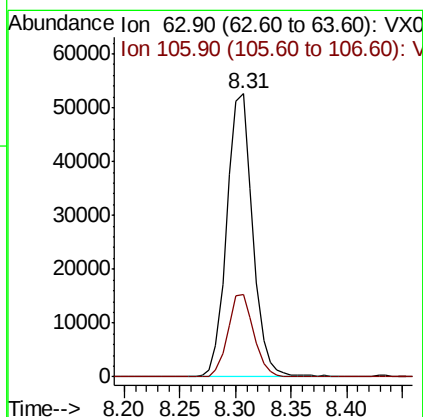
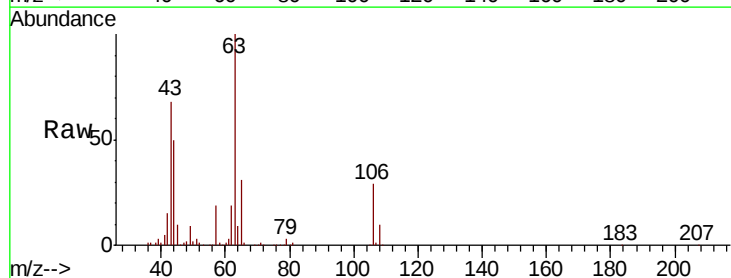
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

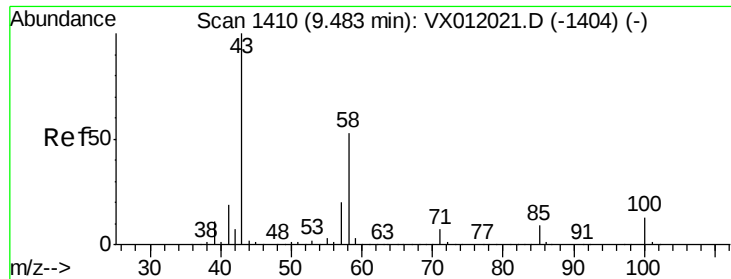
Tgt Ion: 76 Resp: 44088
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.273 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion: 63 Resp: 84834
 Ion Ratio Lower Upper
 63 100
 106 29.2 26.5 39.7

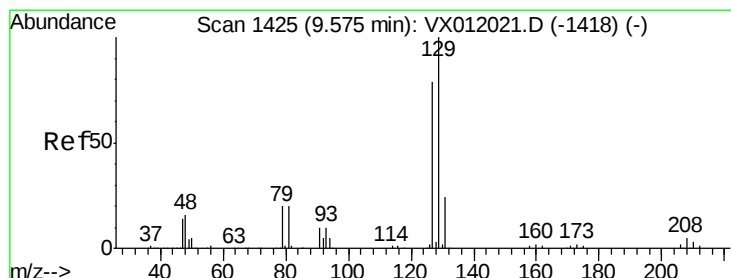
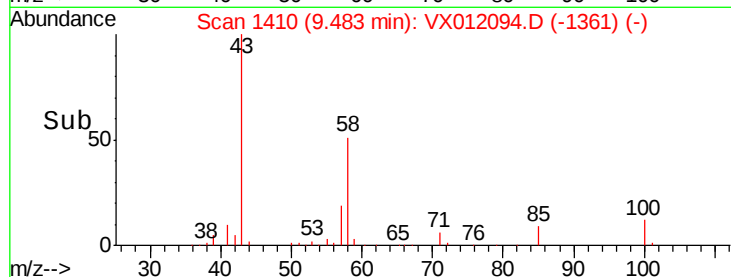
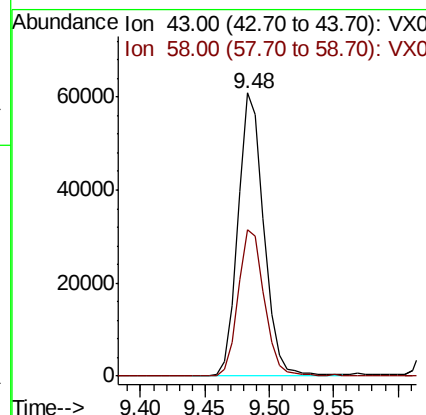
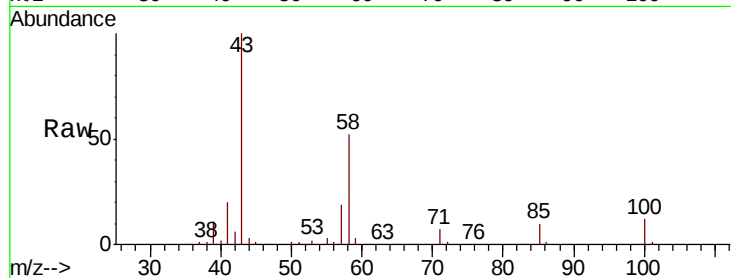




#59
 2-Hexanone
 Concen: 99.543 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

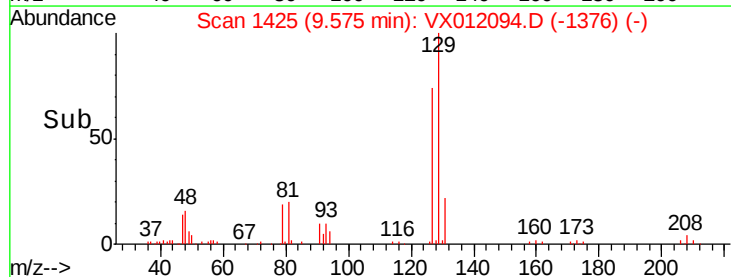
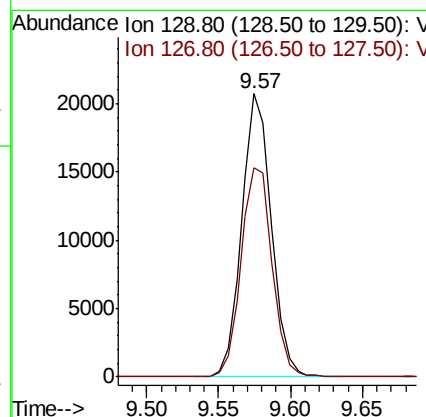
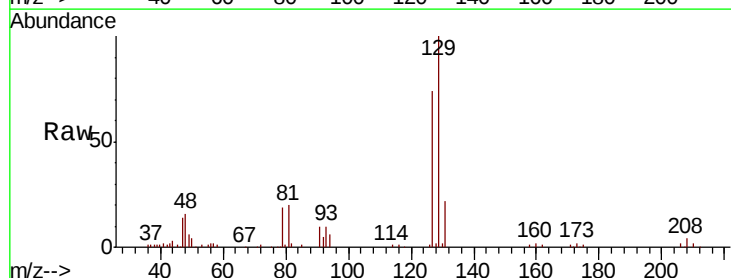
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

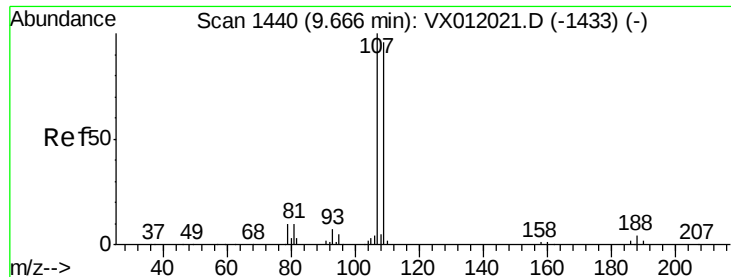
Tgt Ion: 43 Resp: 84765
 Ion Ratio Lower Upper
 43 100
 58 52.7 27.2 81.6



#60
 Dibromochloromethane
 Concen: 19.307 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion: 129 Resp: 29556
 Ion Ratio Lower Upper
 129 100
 127 77.5 38.1 114.5

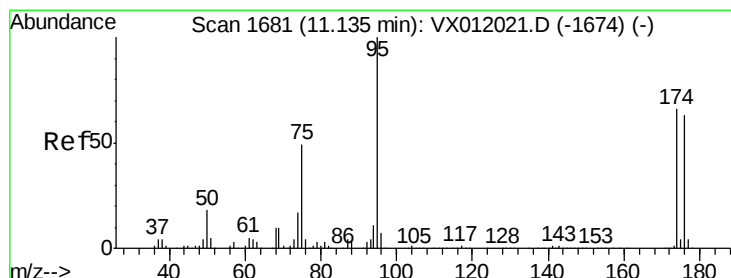
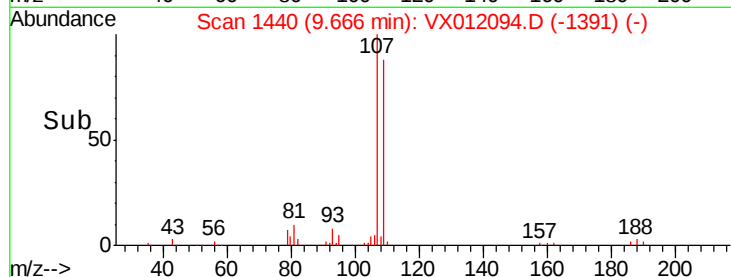
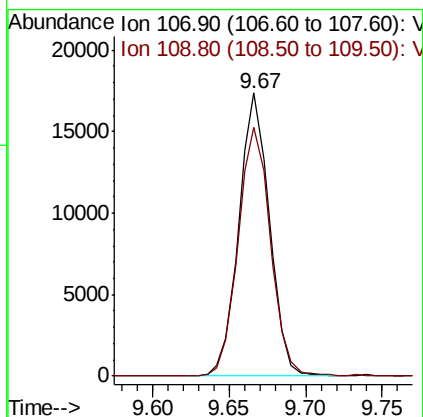
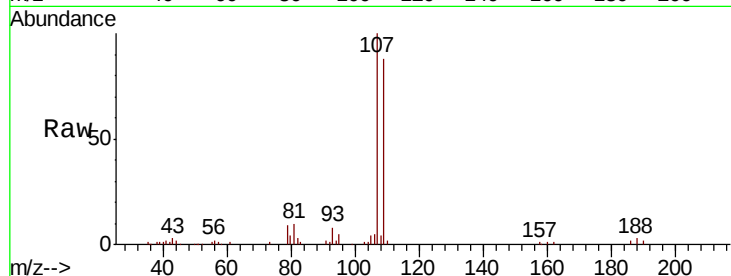




#61
 1,2-Dibromoethane
 Concen: 19.409 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

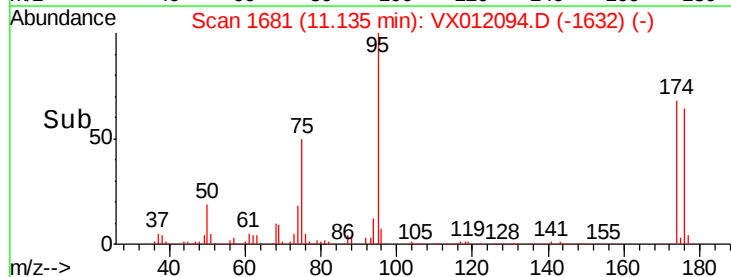
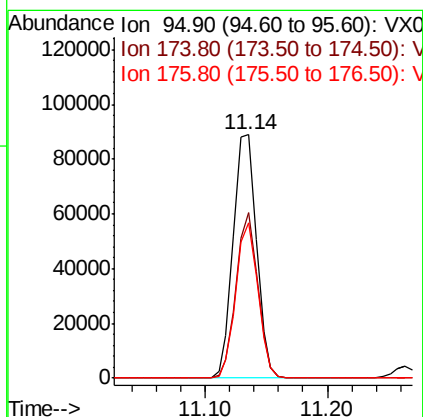
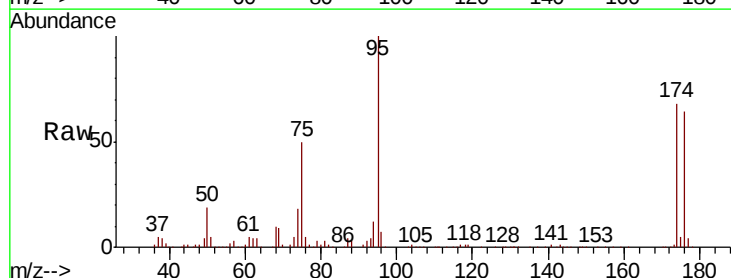
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

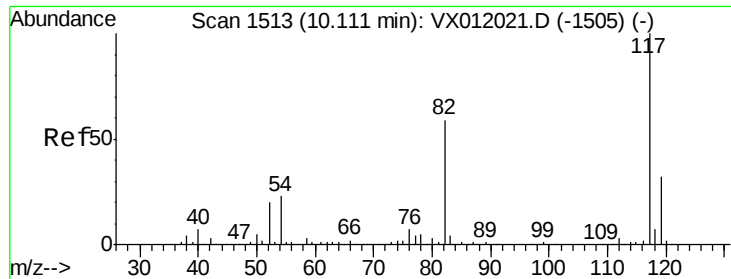
Tgt Ion: 107 Resp: 24091
 Ion Ratio Lower Upper
 107 100
 109 93.0 76.9 115.3



#62
 4-Bromofluorobenzene
 Concen: 47.496 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion: 95 Resp: 117437
 Ion Ratio Lower Upper
 95 100
 174 63.3 0.0 205.4
 176 60.5 0.0 201.8

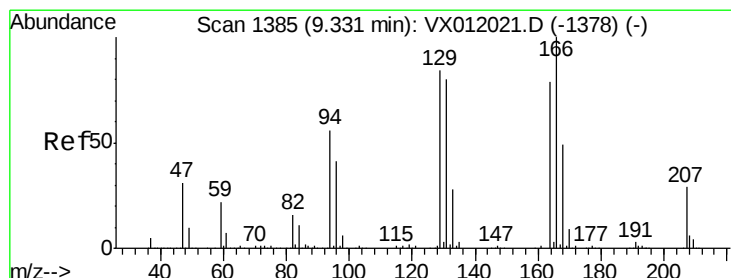
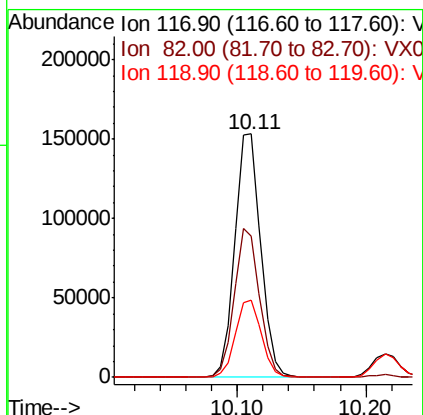
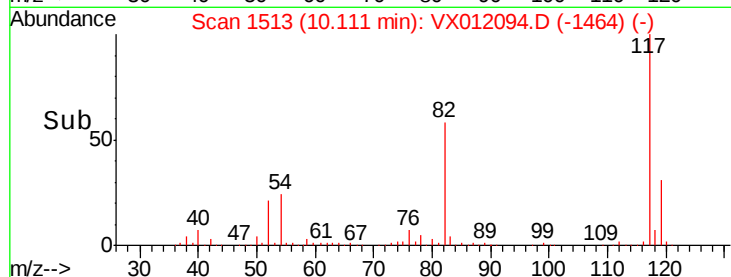
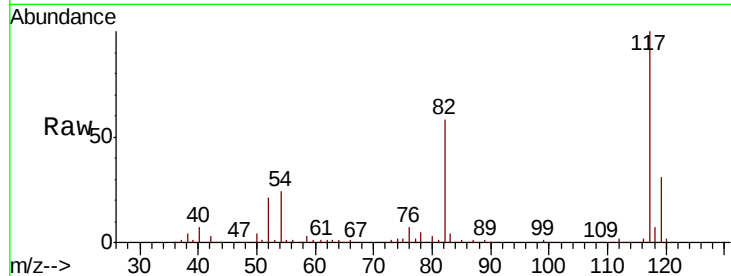




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

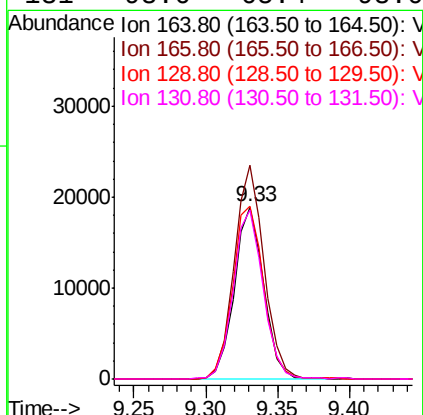
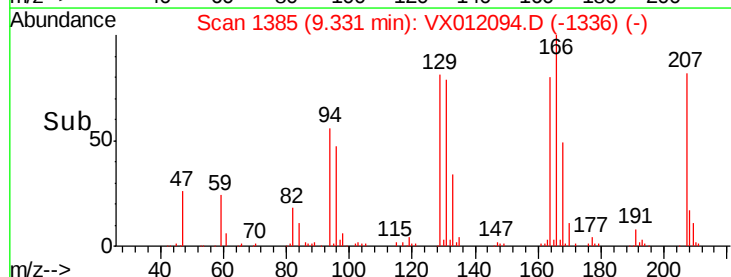
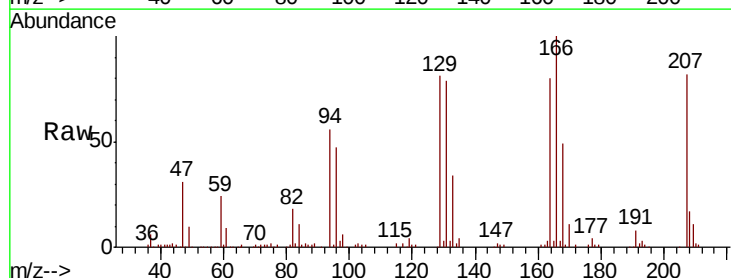
Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

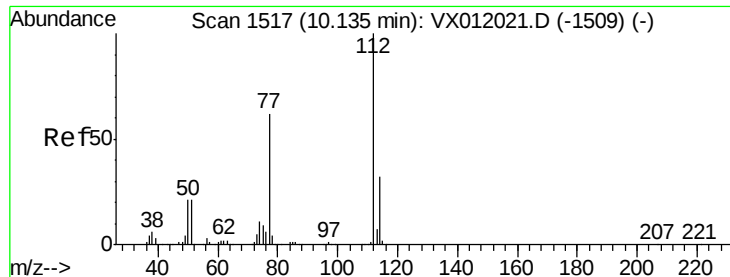
Tgt Ion:117 Resp: 215286
Ion Ratio Lower Upper
117 100
82 57.8 39.4 59.0
119 31.5 26.1 39.1



#64
Tetrachloroethene
Concen: 20.051 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion:164 Resp: 26912
Ion Ratio Lower Upper
164 100
166 124.2 104.3 156.5
129 100.3 68.3 102.5
131 98.6 65.4 98.0#





#65

Chlorobenzene

Concen: 19.993 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

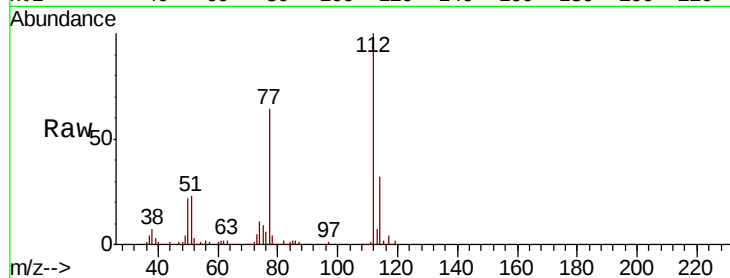
VX0905SBS01

Tgt Ion:112 Resp: 84925

Ion Ratio Lower Upper

112 100

114 32.5 26.2 39.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

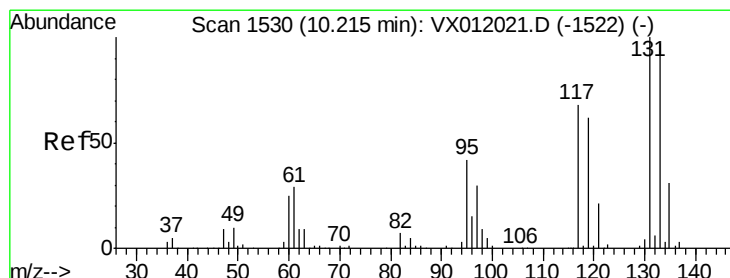
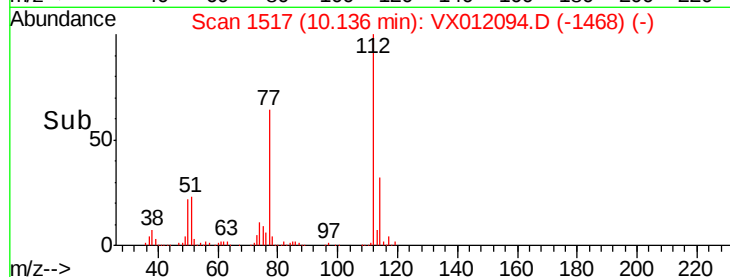
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.101 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

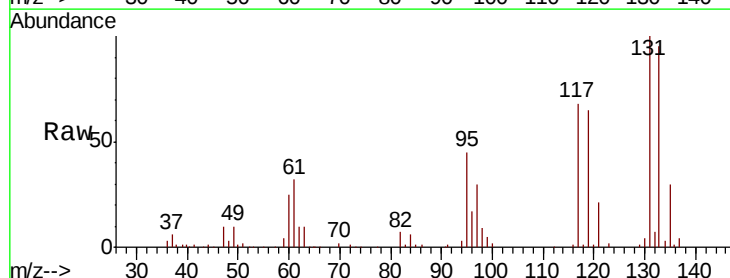
Tgt Ion:131 Resp: 31220

Ion Ratio Lower Upper

131 100

133 96.2 48.4 145.0

119 64.3 30.5 91.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

40000

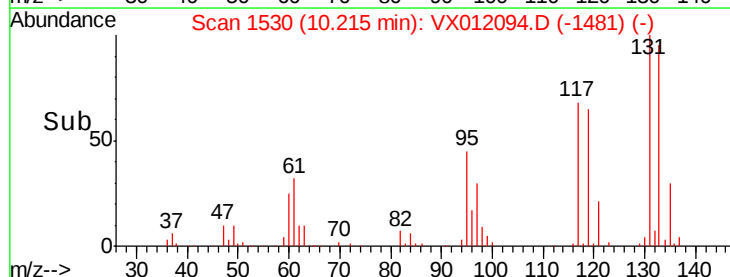
30000

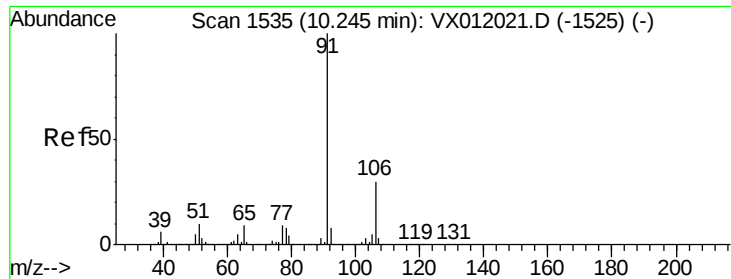
20000

10000

0

Time-->

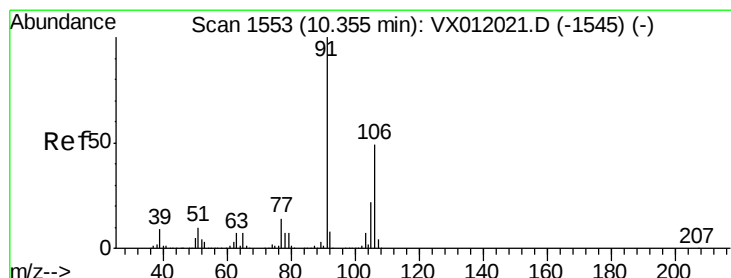
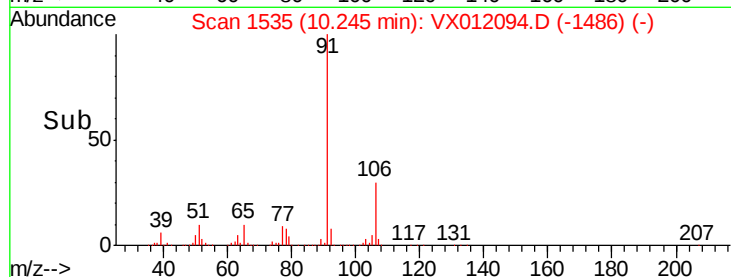
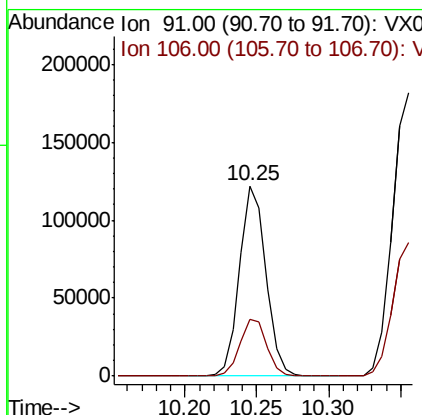
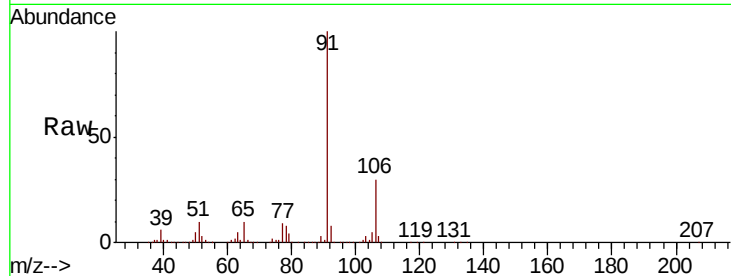




#67
Ethyl Benzene
Concen: 20.187 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

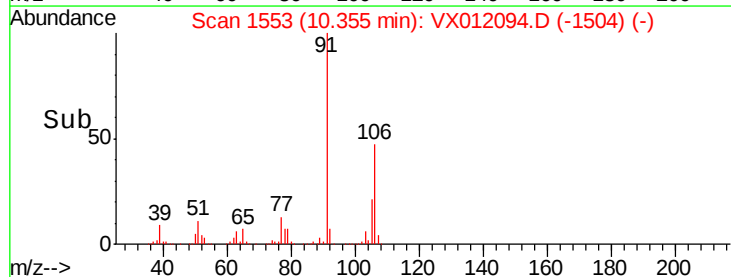
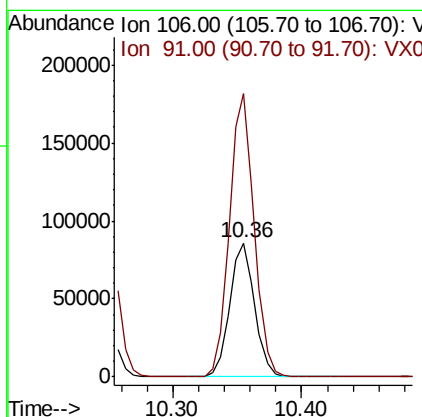
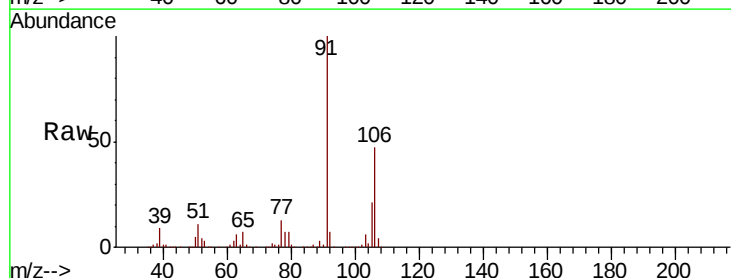
Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tgt Ion: 91 Resp: 156306
Ion Ratio Lower Upper
91 100
106 30.0 25.8 38.8



#68
m/p-Xylenes
Concen: 40.516 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 106 Resp: 115581
Ion Ratio Lower Upper
106 100
91 210.7 157.5 236.3

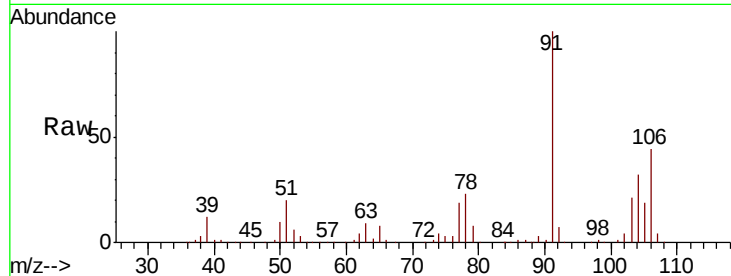




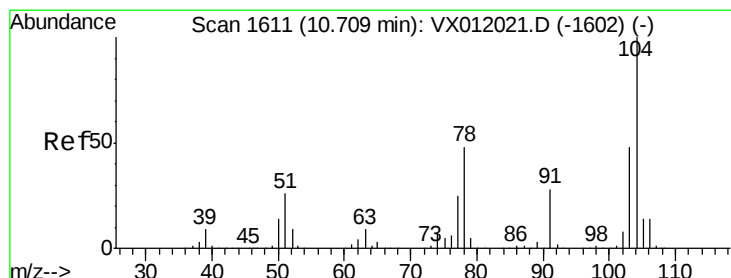
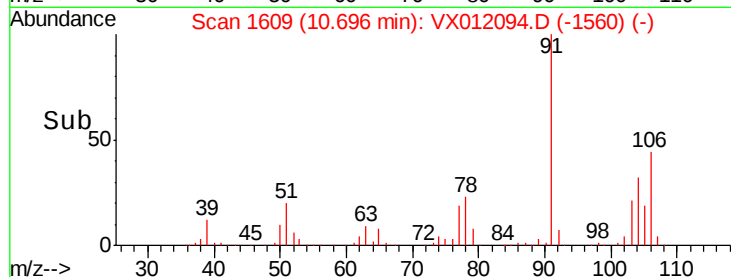
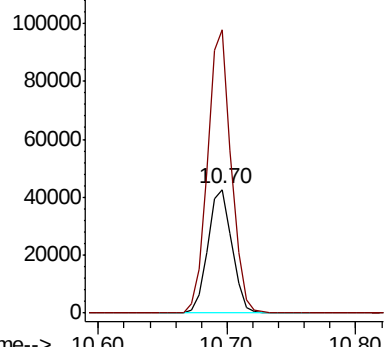
#69
o-Xylene
Concen: 20.087 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampled :
VX0905SBS01

Tgt Ion:106 Resp: 55567
Ion Ratio Lower Upper
106 100
91 224.4 103.5 310.3

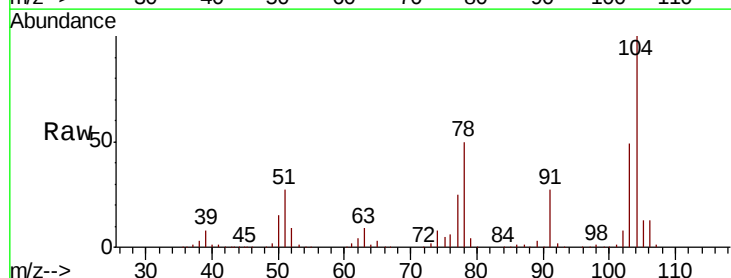


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

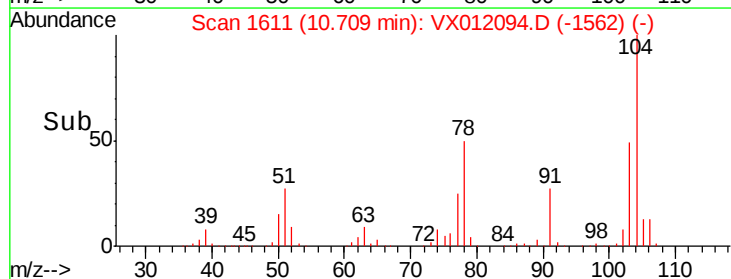
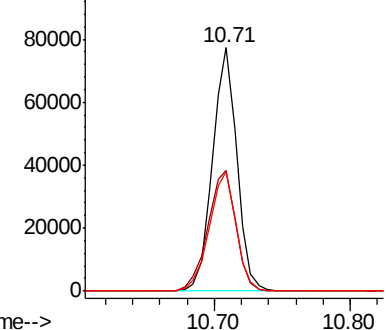


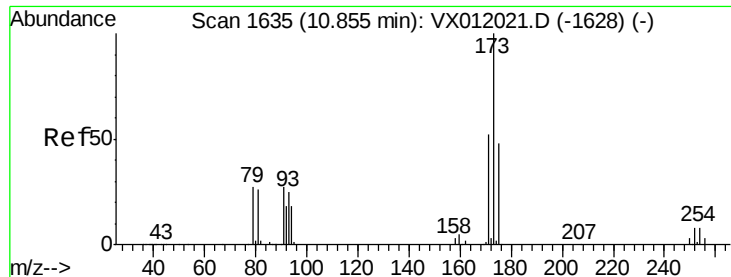
#70
Styrene
Concen: 20.116 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion:104 Resp: 96653
Ion Ratio Lower Upper
104 100
78 56.8 39.1 58.7
103 53.9 43.4 65.2



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: 19.530 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

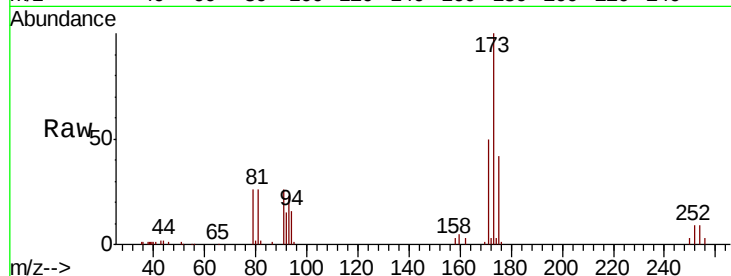
Tgt Ion:173 Resp: 16661

Ion Ratio Lower Upper

173 100

175 44.9 24.9 74.7

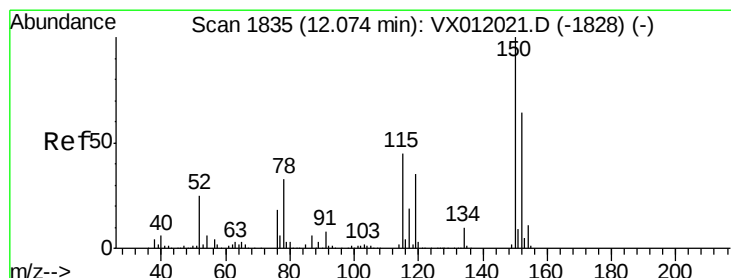
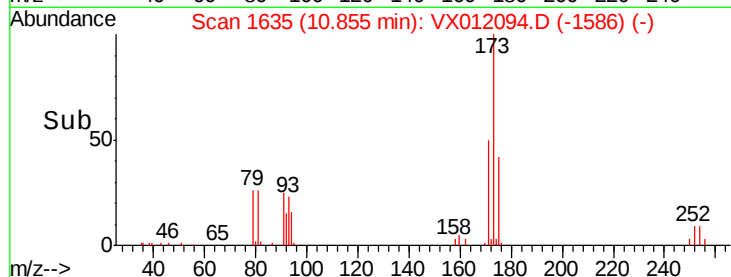
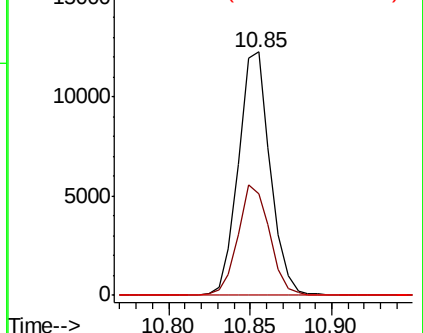
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

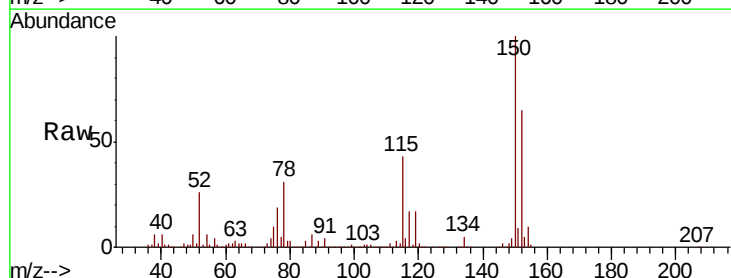
Tgt Ion:152 Resp: 106052

Ion Ratio Lower Upper

152 100

115 76.2 36.4 109.3

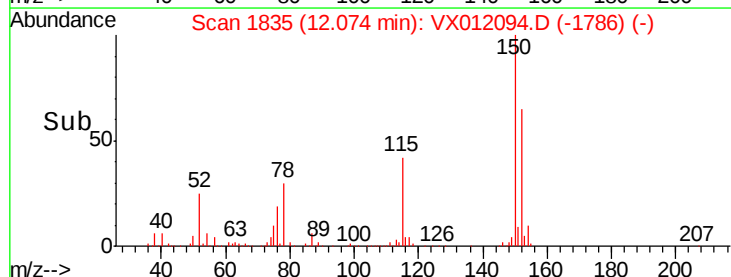
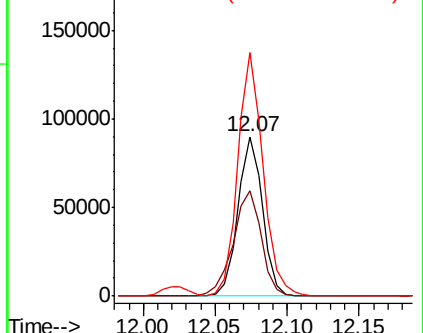
150 158.2 0.0 341.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.471 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

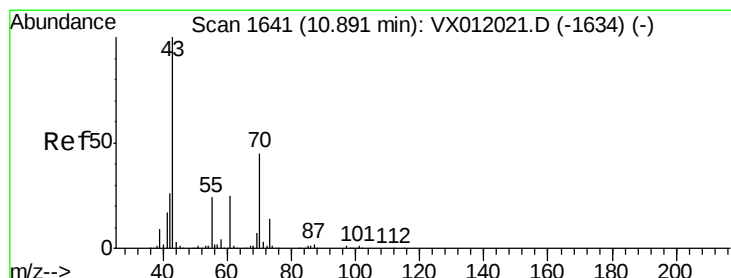
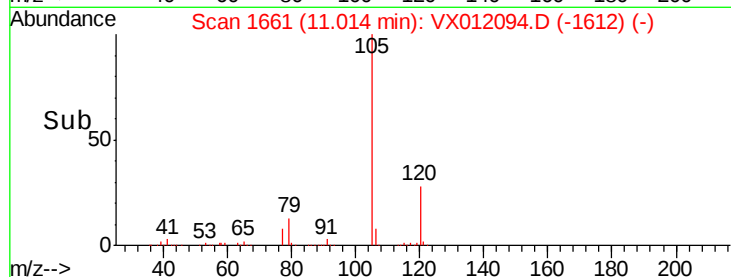
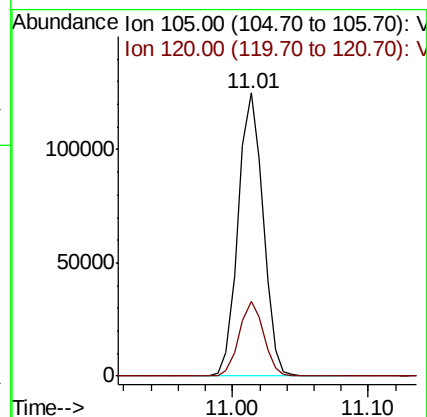
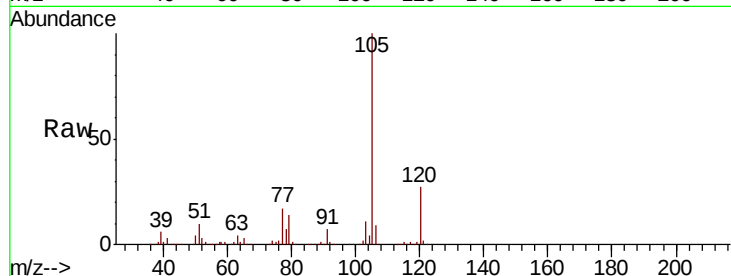
VX0905SBS01

Tgt Ion: 105 Resp: 159288

Ion Ratio Lower Upper

105 100

120 26.0 13.9 41.6



#74

N-ethyl acetate

Concen: 18.870 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Tgt Ion: 43 Resp: 43413

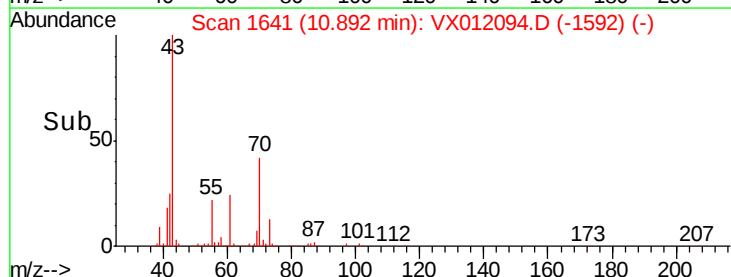
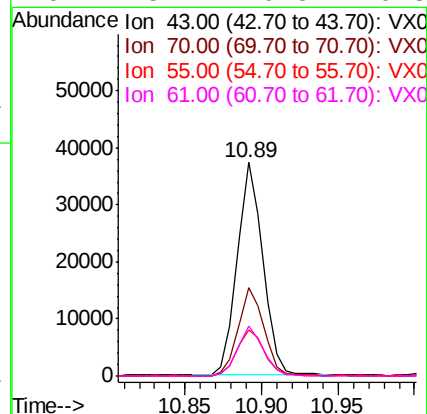
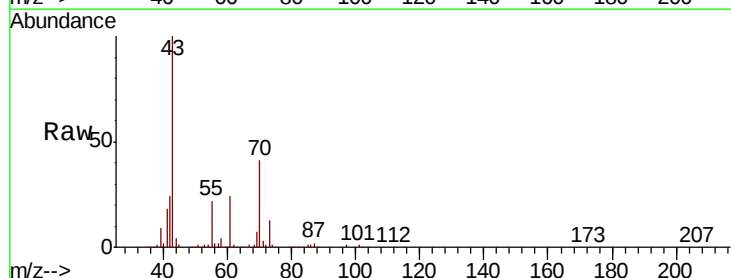
Ion Ratio Lower Upper

43 100

70 42.0 34.4 51.6

55 23.3 18.5 27.7

61 23.7 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.013 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

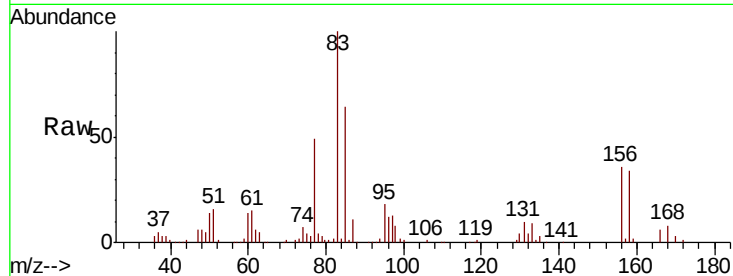
Tgt Ion: 83 Resp: 30842

Ion Ratio Lower Upper

83 100

131 10.9 6.3 19.1

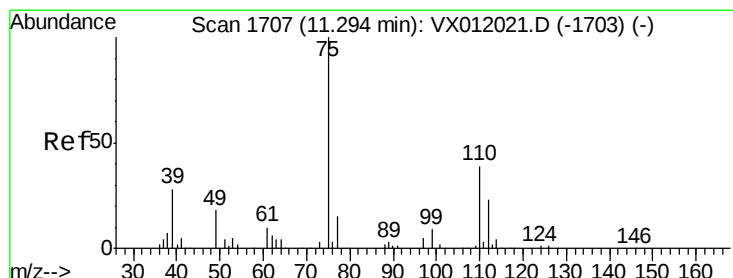
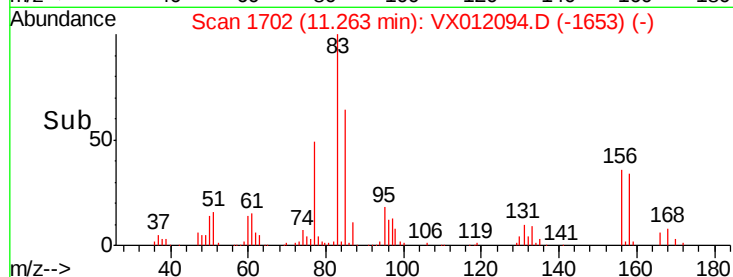
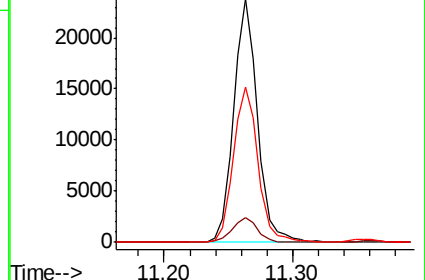
85 66.1 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.304 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX012094.D

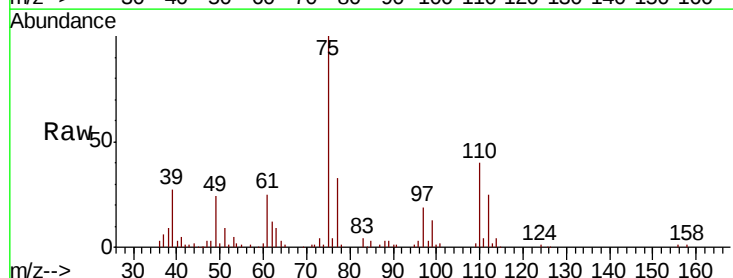
Acq: 05 Sep 2019 12:04

Tgt Ion: 75 Resp: 34085

Ion Ratio Lower Upper

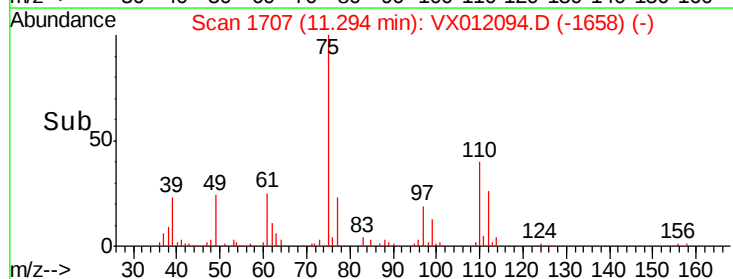
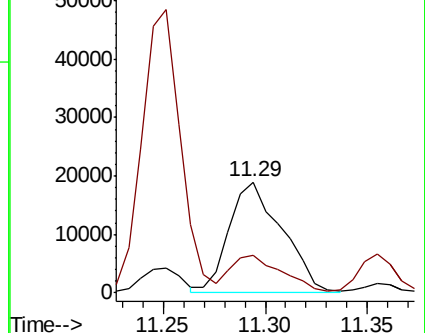
75 100

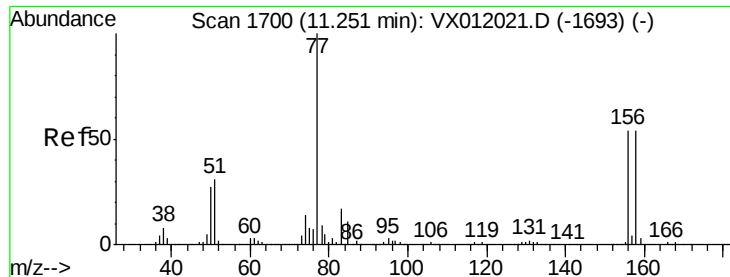
77 33.4 23.5 70.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.826 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

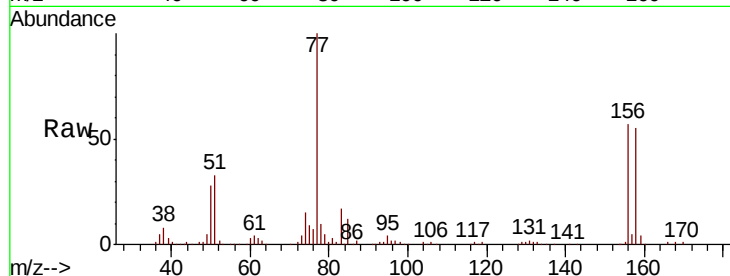
Tgt Ion:156 Resp: 34502

Ion Ratio Lower Upper

156 100

77 184.2 63.4 190.2

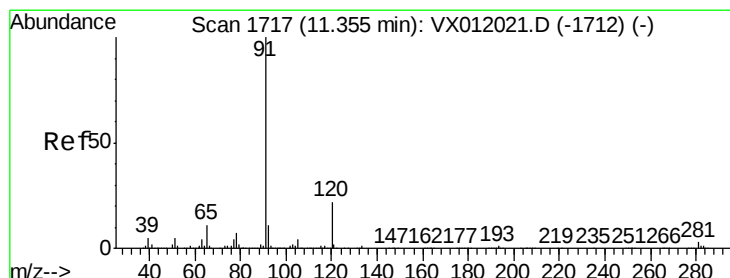
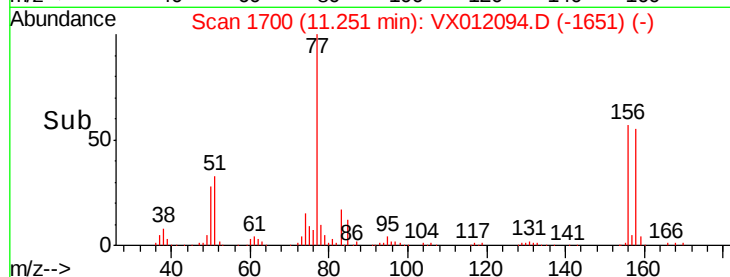
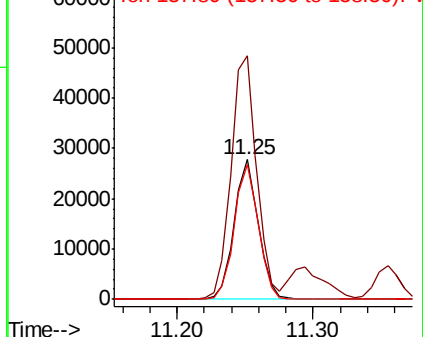
158 95.7 48.9 146.6



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: 20.279 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012094.D

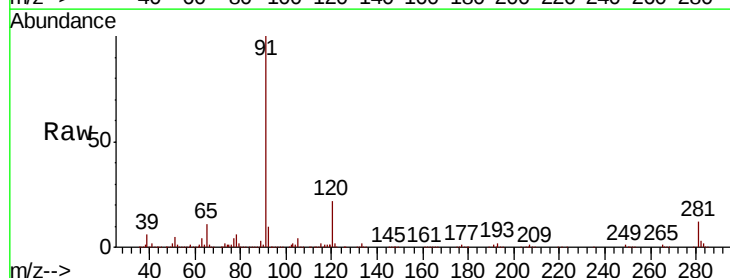
Acq: 05 Sep 2019 12:04

Tgt Ion: 91 Resp: 190634

Ion Ratio Lower Upper

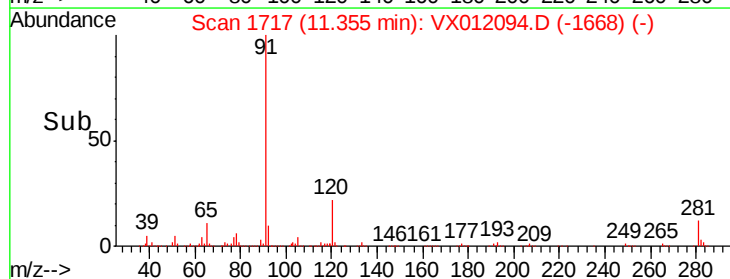
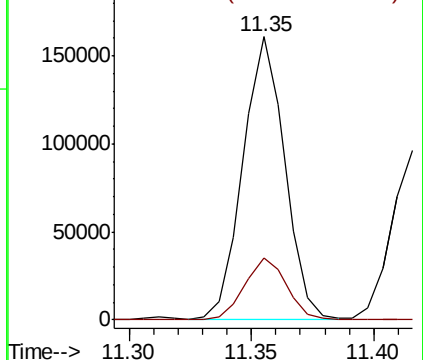
91 100

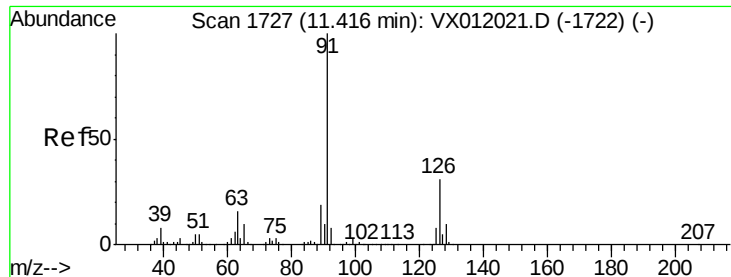
120 22.1 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.425 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

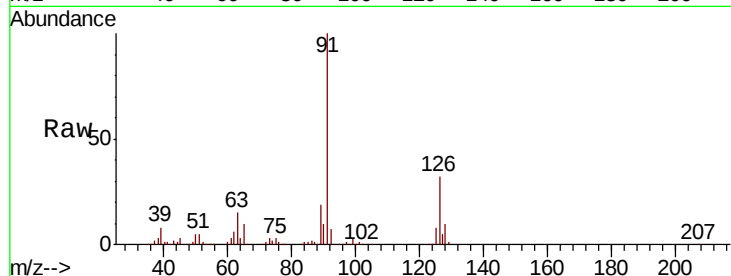
VX0905SBS01

Tgt Ion: 91 Resp: 116321

Ion Ratio Lower Upper

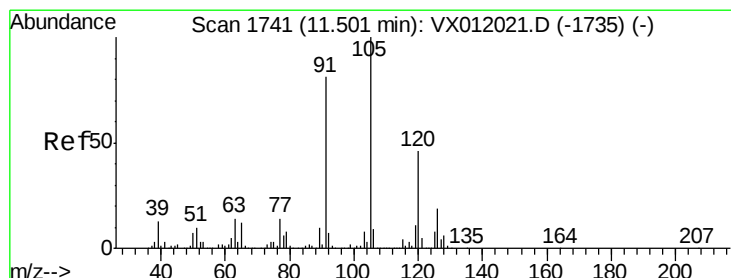
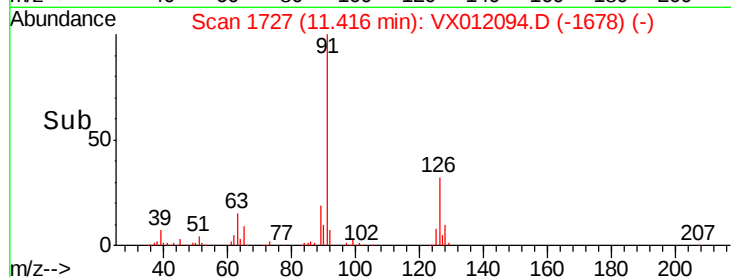
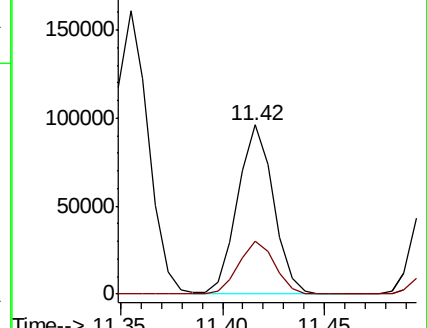
91 100

126 32.0 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012021.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.593 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012094.D

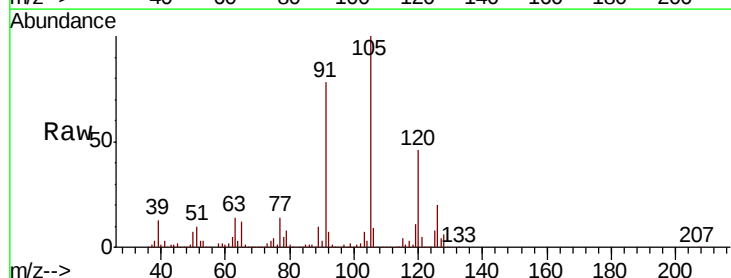
Acq: 05 Sep 2019 12:04

Tgt Ion: 105 Resp: 140424

Ion Ratio Lower Upper

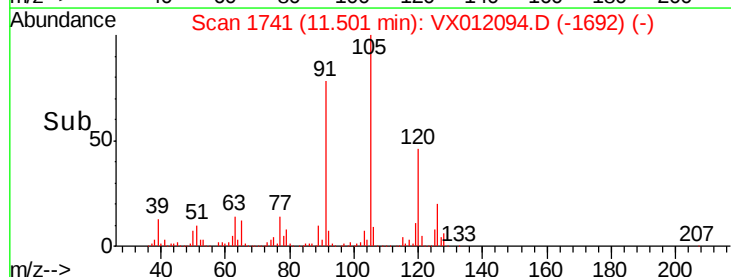
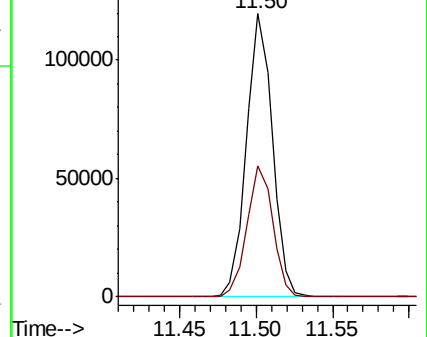
105 100

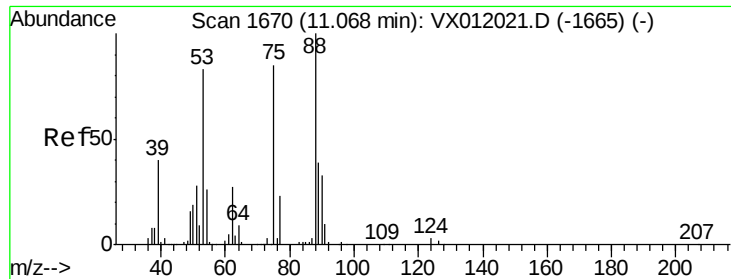
120 46.6 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012021.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012021.D (-1735) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.404 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

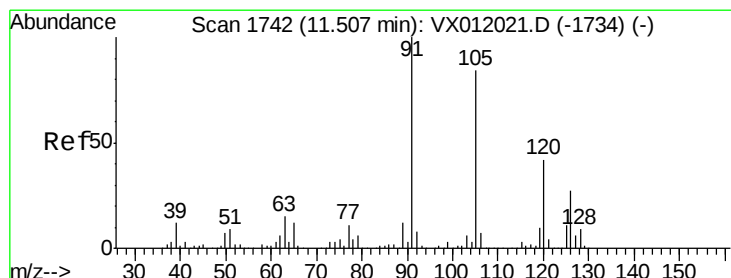
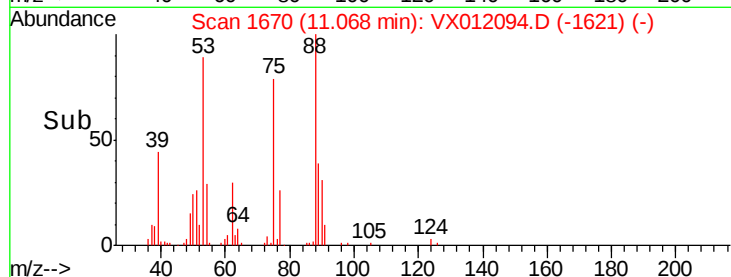
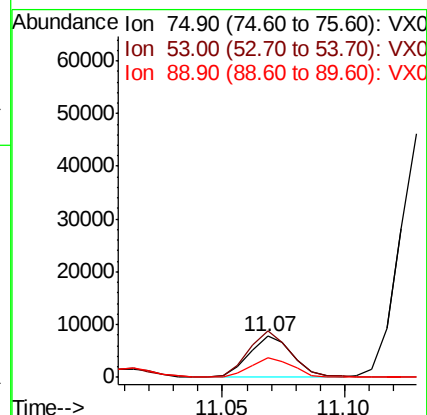
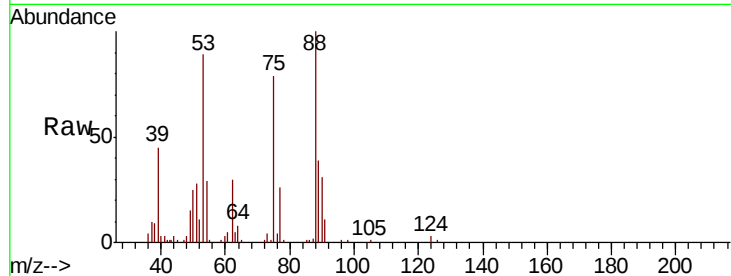
Tgt Ion: 75 Resp: 9539

Ion Ratio Lower Upper

75 100

53 114.5 78.6 117.8

89 48.5 38.8 58.2



#82

4-Chlorotoluene

Concen: 20.495 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012094.D

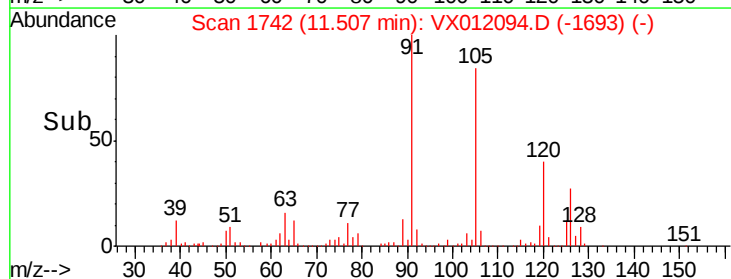
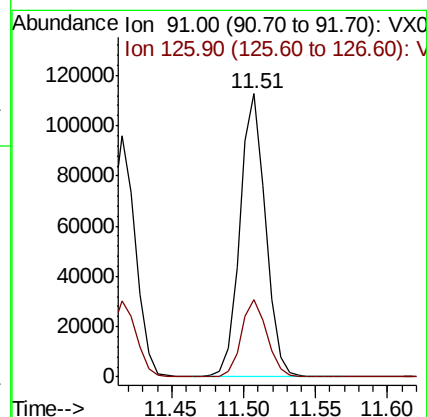
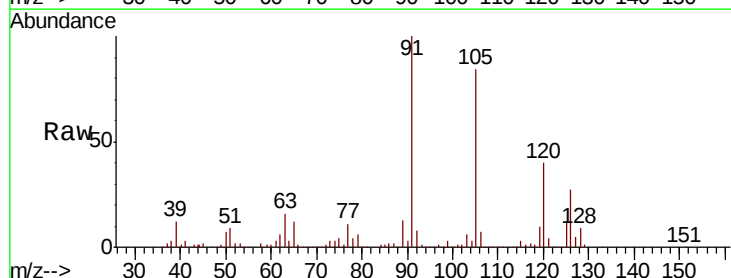
Acq: 05 Sep 2019 12:04

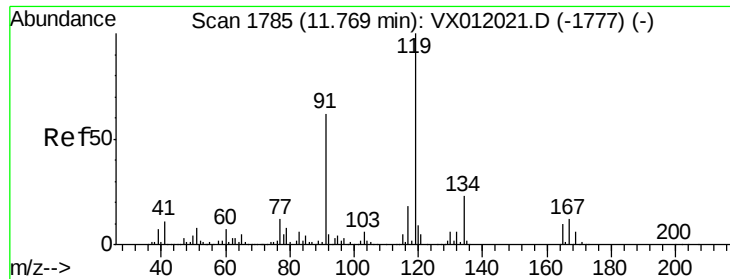
Tgt Ion: 91 Resp: 139124

Ion Ratio Lower Upper

91 100

126 27.5 16.2 48.6

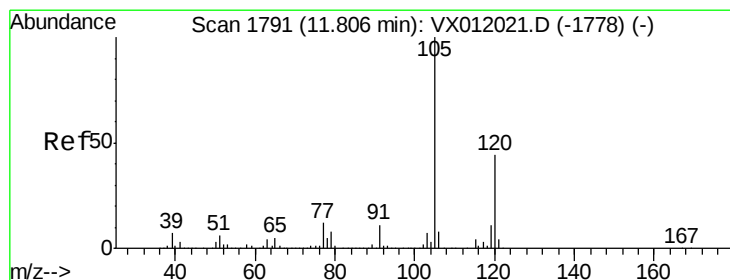
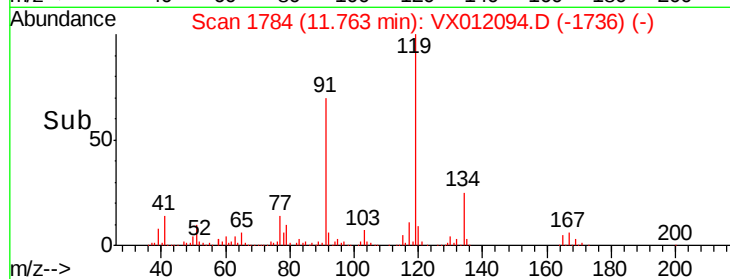
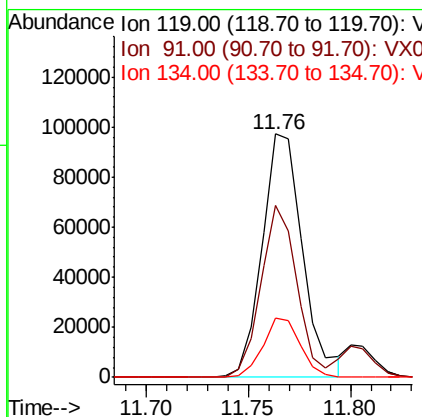
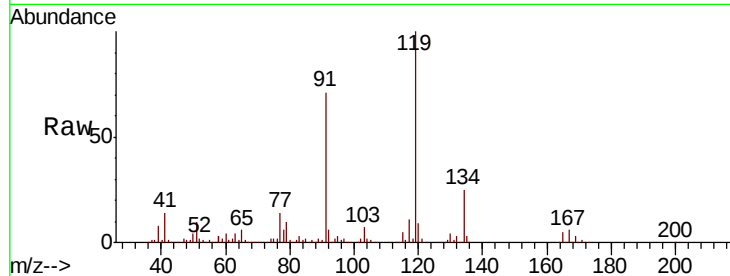




#83
 tert-Butylbenzene
 Concen: 20.683 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

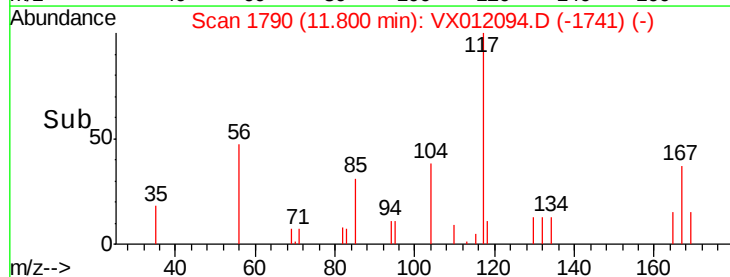
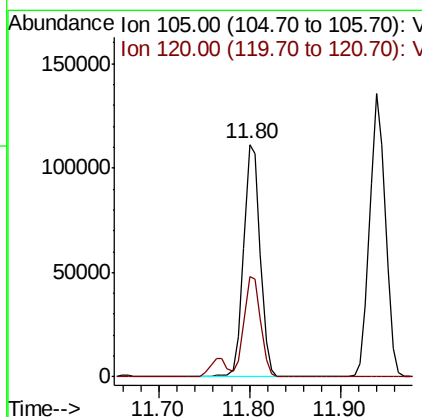
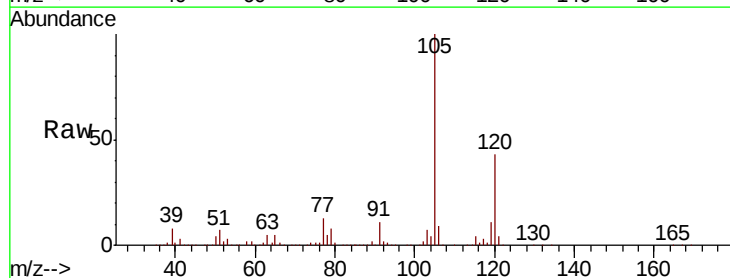
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

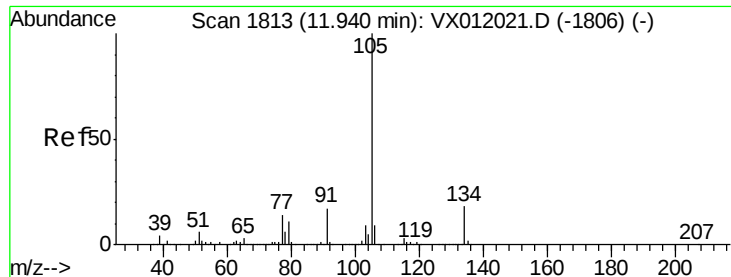
Tgt Ion:119 Resp: 134428
 Ion Ratio Lower Upper
 119 100
 91 62.8 27.1 81.2
 134 22.8 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.113 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion:105 Resp: 140961
 Ion Ratio Lower Upper
 105 100
 120 43.0 23.6 70.8

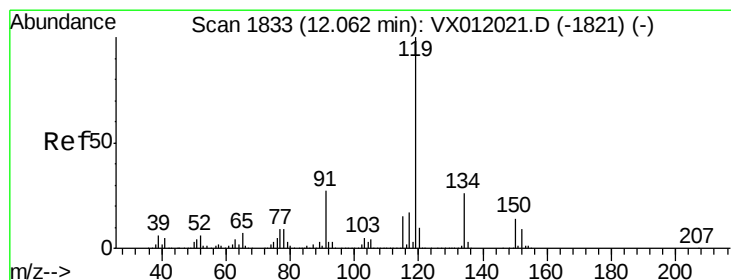
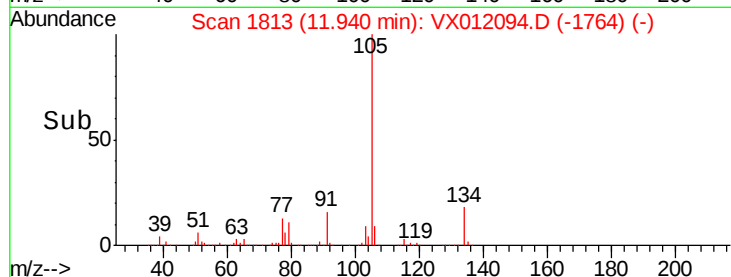
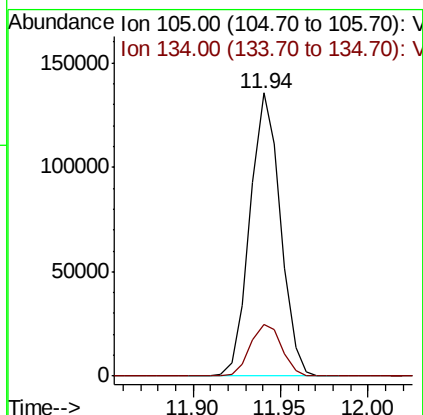
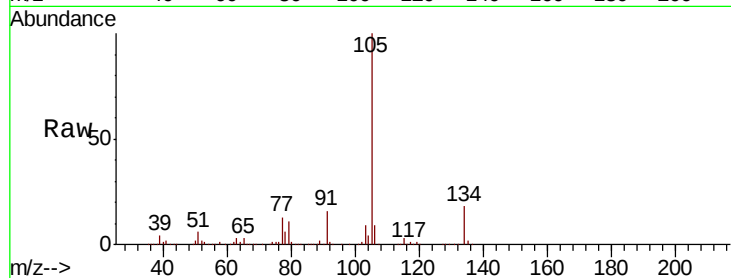




#85
 sec-Butylbenzene
 Concen: 20.345 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

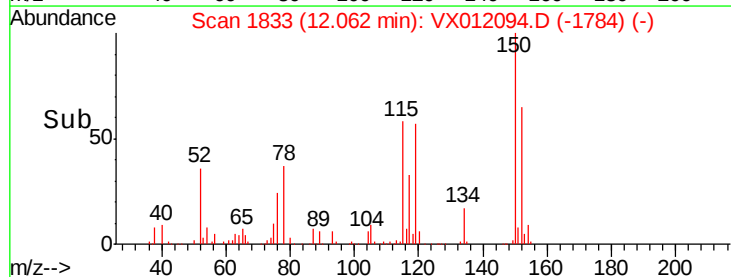
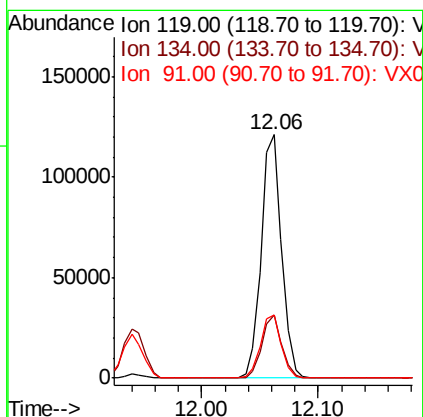
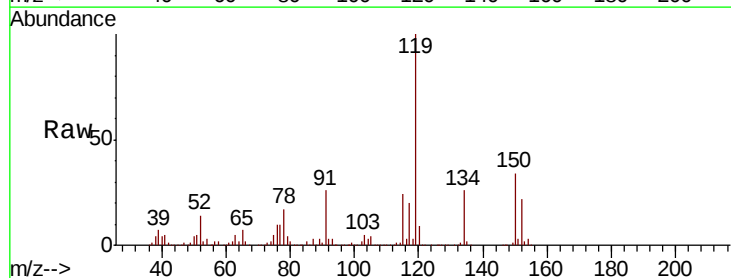
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

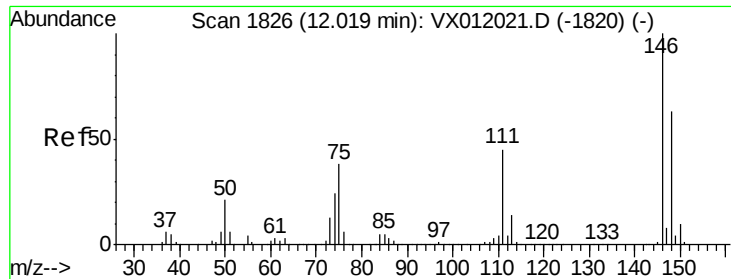
Tgt Ion:105 Resp: 164240
 Ion Ratio Lower Upper
 105 100
 134 19.0 11.2 33.6



#86
 p-Isopropyltoluene
 Concen: 20.035 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion:119 Resp: 147091
 Ion Ratio Lower Upper
 119 100
 134 25.1 13.7 41.1
 91 26.4 11.4 34.1

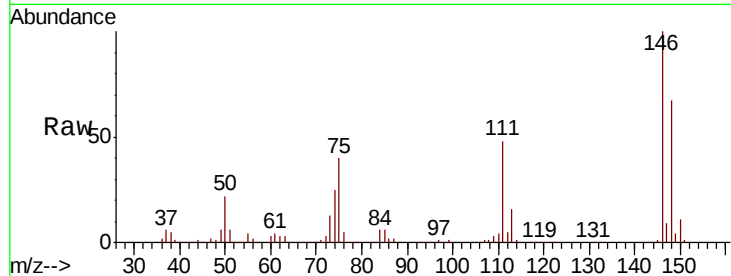




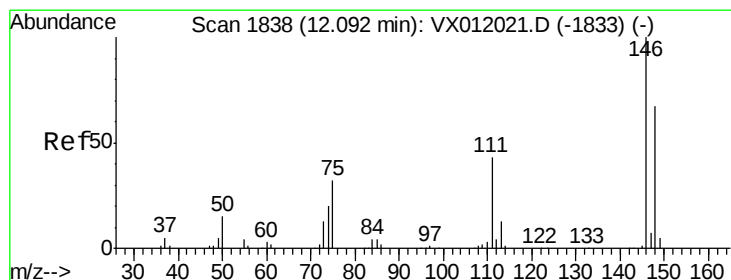
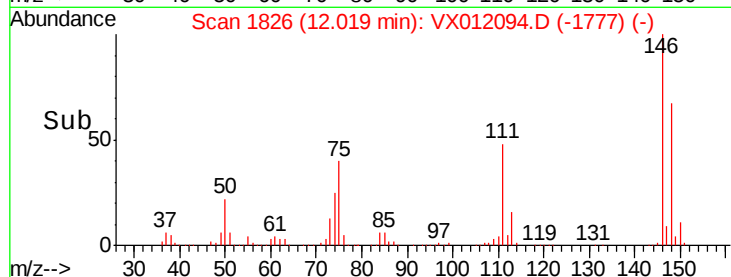
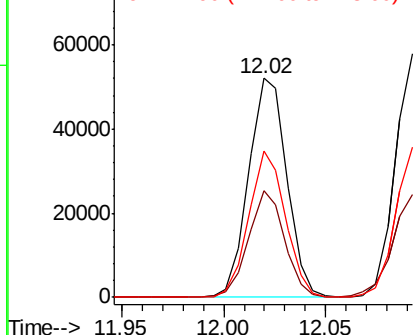
#87
 1,3-Dichlorobenzene
 Concen: 19.492 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tgt Ion:146 Resp: 67972
 Ion Ratio Lower Upper
 146 100
 111 46.2 18.1 54.1
 148 64.0 32.6 97.8

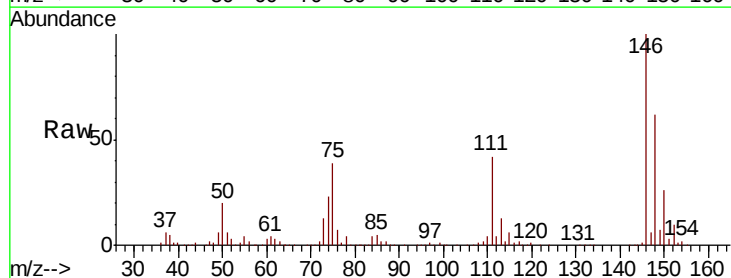


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

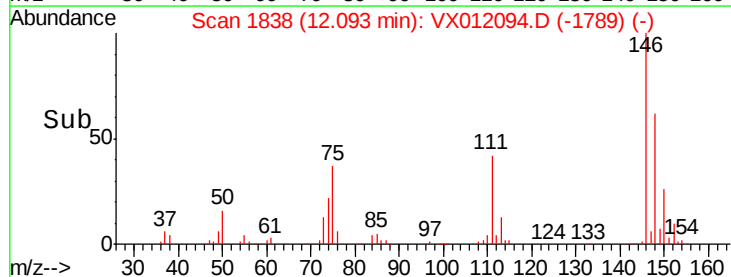
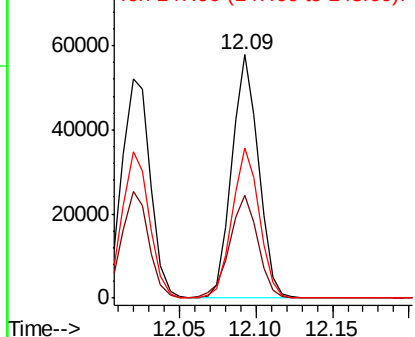


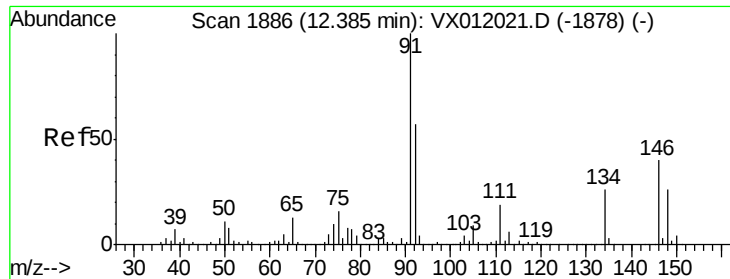
#88
 1,4-Dichlorobenzene
 Concen: 19.996 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion:146 Resp: 69721
 Ion Ratio Lower Upper
 146 100
 111 45.0 17.7 53.1
 148 63.1 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





#89

n-Butylbenzene

Concen: 20.074 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

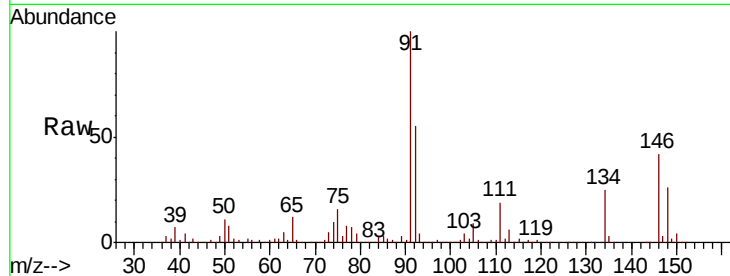
Tgt Ion: 91 Resp: 143165

Ion Ratio Lower Upper

91 100

92 54.1 27.6 82.8

134 25.1 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1878) (-)

Ion 92.00 (91.70 to 92.70): VX012021.D (-1878) (-)

Ion 134.00 (133.70 to 134.70): VX012021.D (-1878) (-)

12.39

150000

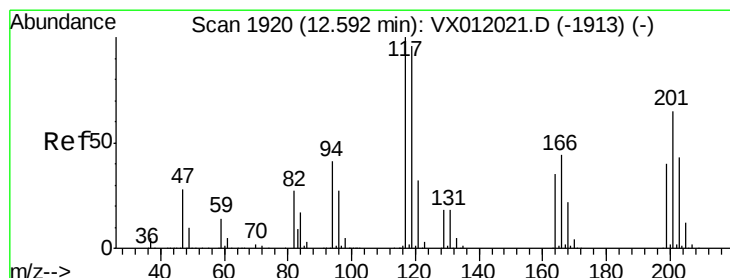
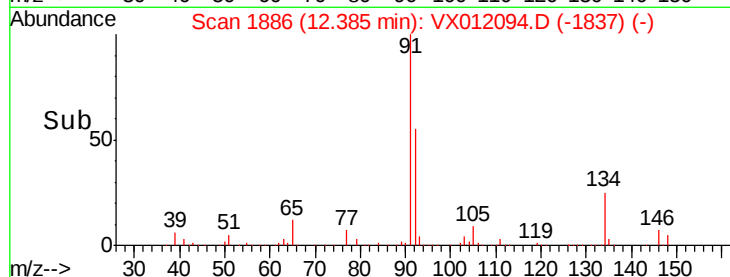
100000

50000

0

Time-->

12.30 12.35 12.40 12.45



#90

Hexachloroethane

Concen: 18.882 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX012094.D

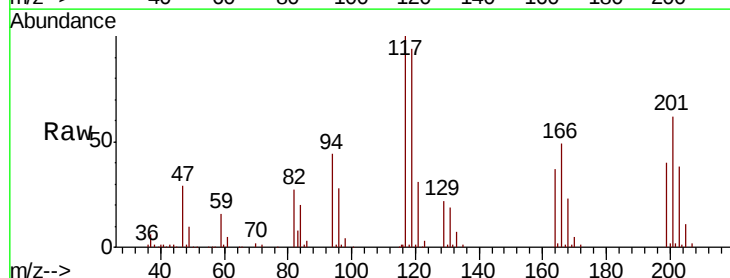
Acq: 05 Sep 2019 12:04

Tgt Ion: 117 Resp: 27678

Ion Ratio Lower Upper

117 100

201 63.7 55.0 165.2



Abundance Ion 116.80 (116.50 to 117.50): VX012021.D (-1913) (-)

Ion 200.70 (200.40 to 201.40): VX012021.D (-1913) (-)

25000

20000

15000

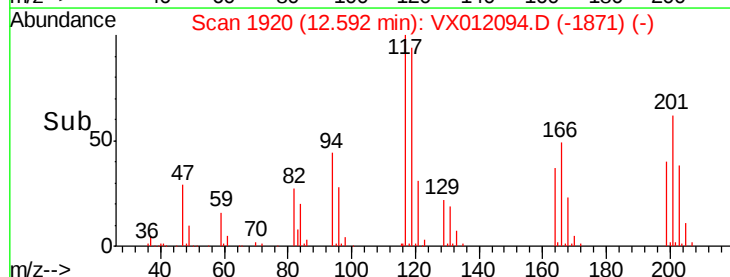
10000

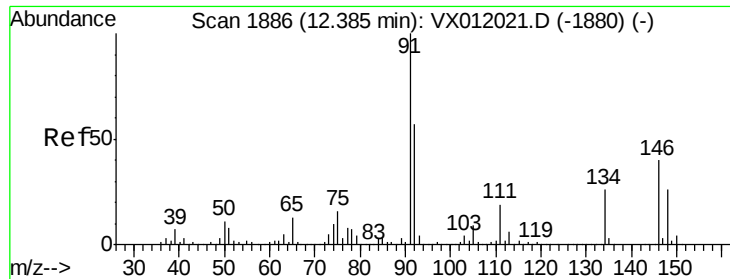
5000

0

Time-->

12.55 12.60 12.65

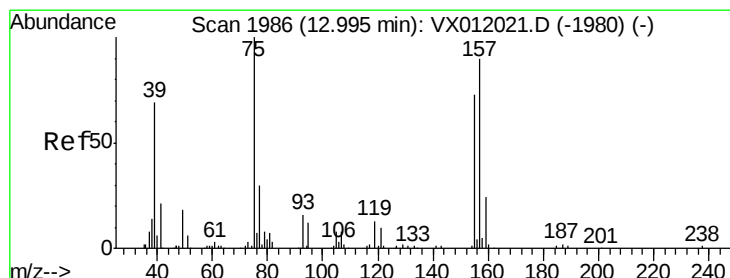
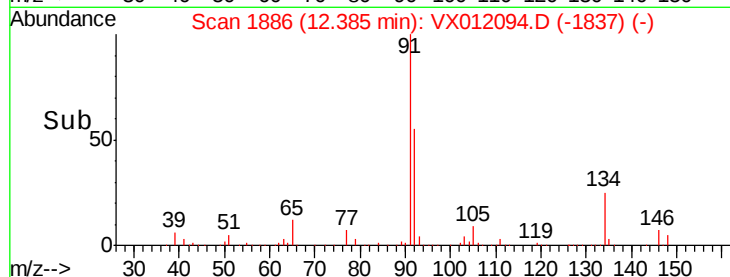
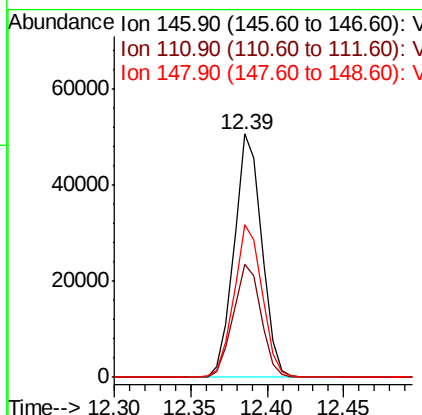
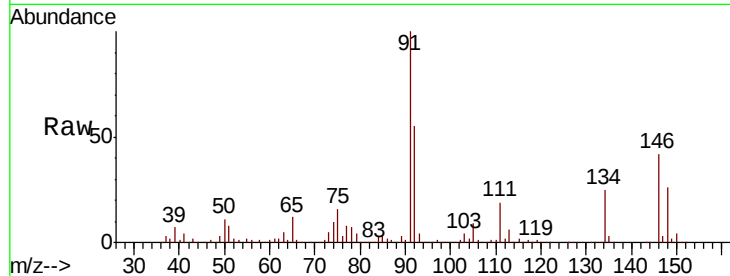




#91
 1,2-Dichlorobenzene
 Concen: 20.219 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

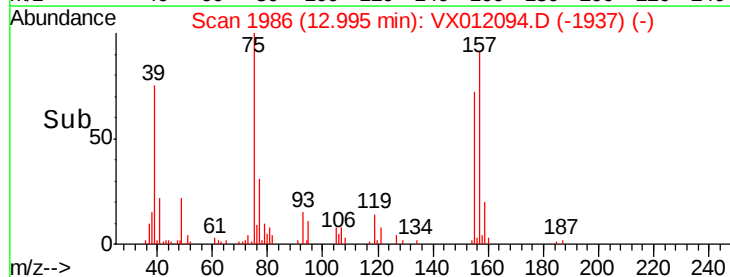
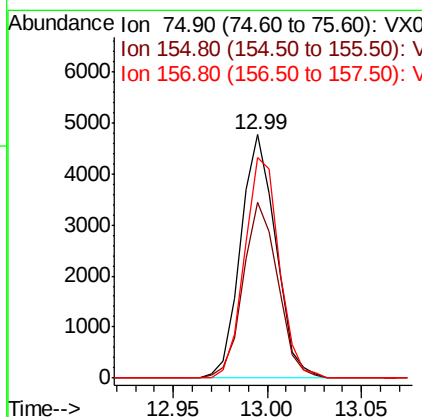
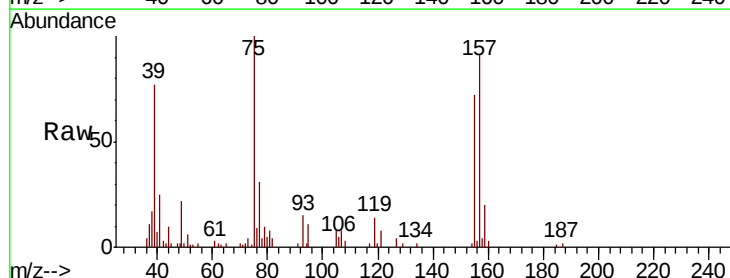
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

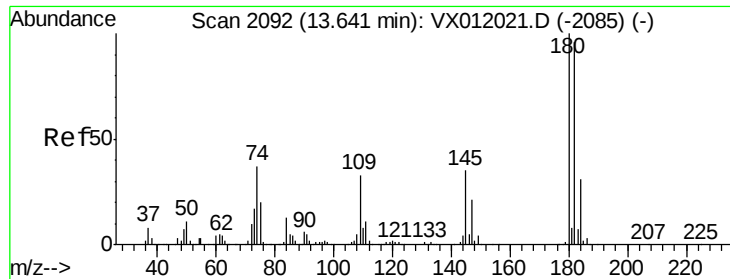
Tgt Ion:146 Resp: 63499
 Ion Ratio Lower Upper
 146 100
 111 46.7 18.6 56.0
 148 63.6 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.144 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion: 75 Resp: 6159
 Ion Ratio Lower Upper
 75 100
 155 71.5 51.7 155.2
 157 89.3 66.9 200.7

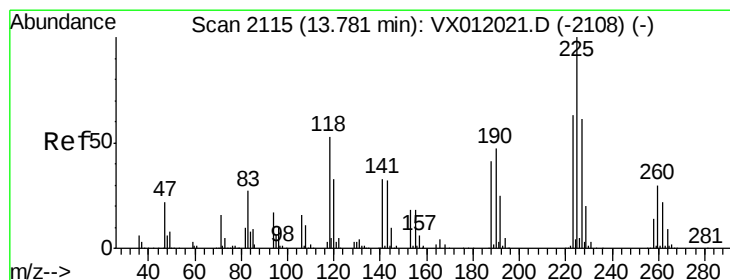
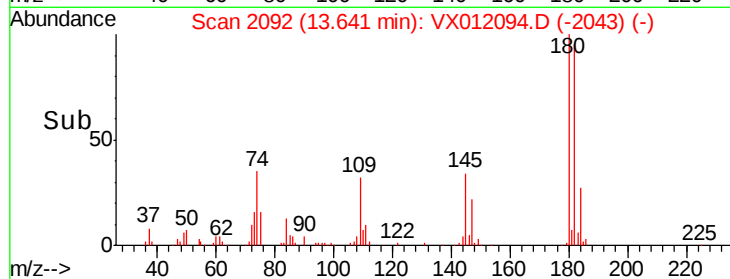
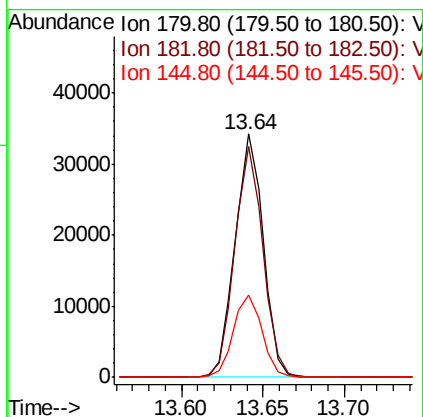
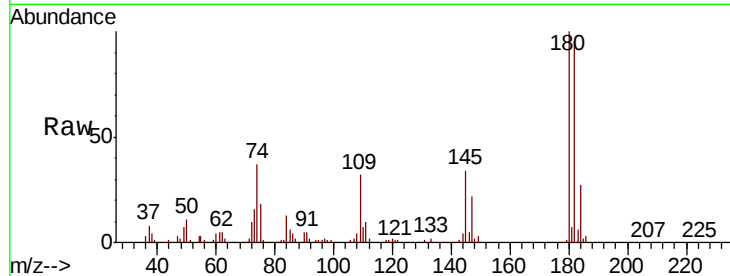




#93
 1,2,4-Trichlorobenzene
 Concen: 18.413 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

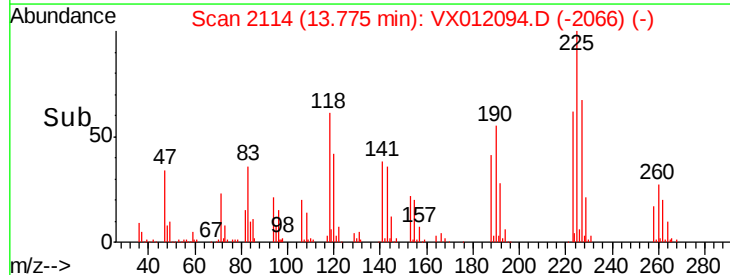
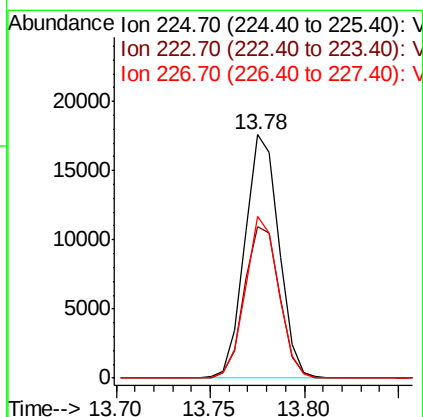
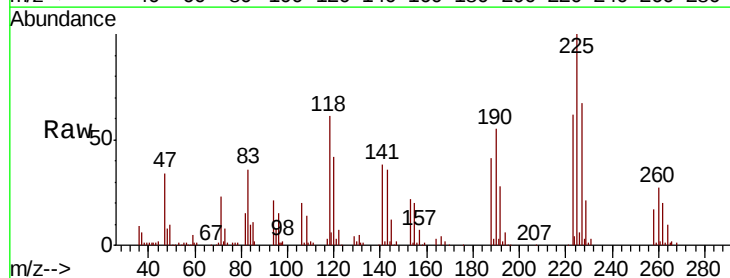
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

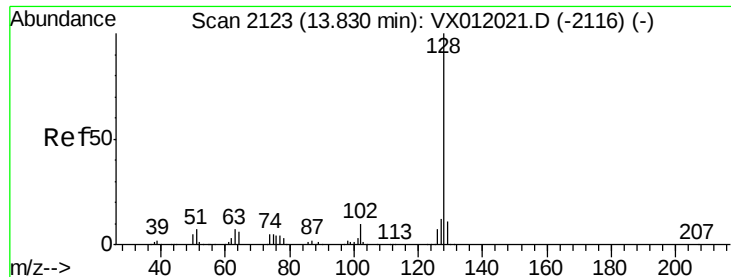
Tgt Ion:180 Resp: 41161
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.3 142.0
 145 34.5 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 19.552 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion:225 Resp: 22032
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.6 95.0
 227 64.6 32.5 97.5

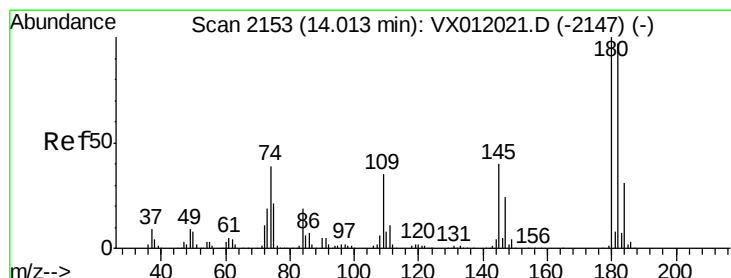
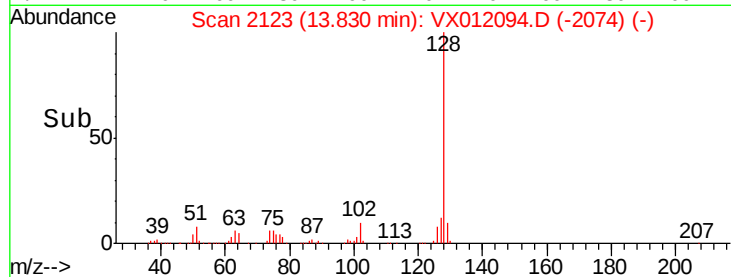
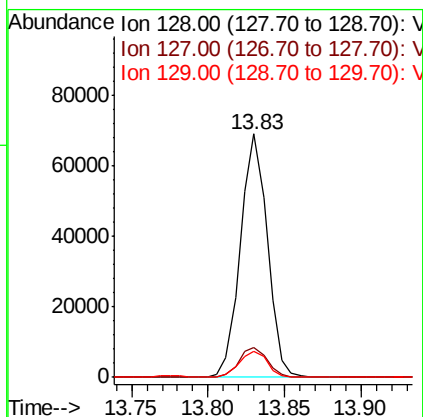
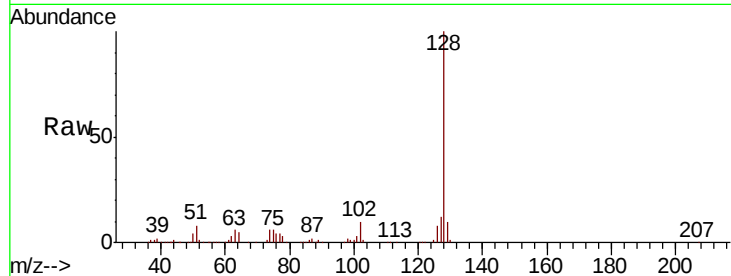




#95
Naphthalene
Concen: 17.442 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tgt Ion:128 Resp: 84387
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.921 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion:180 Resp: 35243
Ion Ratio Lower Upper
180 100
182 94.6 47.9 143.6
145 38.2 14.1 42.4

