

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013991.D
 Acq On : 12 Dec 2019 22:11
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Dec 13 01:19:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:15:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	92238	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	512220	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	457218	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	197095	28.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.27%
60) 4-Bromofluorobenzene	11.14	95	211234	28.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.50%
63) Toluene-d8	8.71	98	625280	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	25064	3.866 ug/l	94
3) Chloromethane	1.32	50	33525	4.523 ug/l	99
4) Vinyl Chloride	1.40	62	33996	4.127 ug/l	96
5) Bromomethane	1.63	94	28785	5.523 ug/l	97
6) Chloroethane	1.70	64	21200	4.582 ug/l	97
7) Trichlorofluoromethane	1.92	101	41326	4.516 ug/l	99
8) Diethyl Ether	2.18	74	17982	4.297 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25607	4.679 ug/l	94
10) 1,1-Dichloroethene	2.36	96	25405	4.502 ug/l	88
11) Methyl Iodide	2.50	142	23693	3.372 ug/l	96
12) Methyl Acetate	2.76	43	39248	4.044 ug/l	98
13) Acrolein	2.28	56	17037	15.947 ug/l	95
14) Acrylonitrile	3.13	53	74638	20.745 ug/l	100
15) Acetone	2.44	58	23080	21.924 ug/l	82
16) Carbon Disulfide	2.56	76	62840	4.019 ug/l	96
17) Allyl chloride	2.72	41	42190	4.074 ug/l	97
18) Methylene Chloride	2.85	84	35302	5.409 ug/l	90
19) trans-1,2-Dichloroethene	3.15	96	28029	4.622 ug/l	97
20) Diisopropyl ether	3.84	45	91080	4.502 ug/l	90
21) 1,1-Dichloroethane	3.69	63	51010	4.643 ug/l	97
22) cis-1,2-Dichloroethene	4.59	96	32478	4.676 ug/l	97
23) tert-Butyl Alcohol	3.05	59	28336	16.689 ug/l	# 100
24) Methyl tert-Butyl Ether	3.19	73	83047	4.421 ug/l	98
25) Chloroform	5.20	83	46636	4.350 ug/l	92
26) Cyclohexane	5.57	56	42942	4.301 ug/l	# 97
29) 1,1-Dichloropropene	5.79	75	35025	4.490 ug/l	77
30) 2-Butanone	4.67	43	104753	21.060 ug/l	97
31) 2,2-Dichloropropane	4.58	77	31676	3.873 ug/l	91
32) 1,1,1-Trichloroethane	5.48	97	39444	4.581 ug/l	97
33) Carbon Tetrachloride	5.78	117	31700	4.260 ug/l	# 94
34) Benzene	6.14	78	112056	4.725 ug/l	97
35) Methacrylonitrile	5.03	41	21460	4.214 ug/l	95
37) Trichloroethene	7.20	130	31595	4.954 ug/l	91
38) Methylcyclohexane	7.45	83	39756	4.191 ug/l	99
39) 1,2-Dichloropropane	7.51	63	29369	4.780 ug/l	98
40) Dibromomethane	7.66	93	18470	4.556 ug/l	98
41) Bromodichloromethane	7.89	83	32981	4.200 ug/l	90

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 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Quant Time: Dec 13 01:19:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:15:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	3.80	43	358214	22.103	ug/l	100
43) Ethyl Acetate	4.83	43	38462	4.174	ug/l	97
44) Isopropyl Acetate	6.43	43	67901	4.544	ug/l	98
45) 1,4-Dioxane	7.74	88	11738	72.136	ug/l	96
46) Methyl methacrylate	7.77	41	29731	3.995	ug/l	99
47) n-amyl Acetate	10.89	43	49964	3.787	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	33314	3.792	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	39120	4.049	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	29204	4.841	ug/l	98
51) Ethyl methacrylate	9.17	69	40313	4.070	ug/l	98
52) 1,3-Dichloropropane	9.37	76	48817	4.730	ug/l	99
53) Dibromochloromethane	9.57	129	23628	3.738	ug/l	94
54) 1,2-Dibromoethane	9.67	107	28457	4.454	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	95876	22.621	ug/l	99
56) Bromoform	10.85	173	17387	3.469	ug/l #	97
58) 4-Methyl-2-Pentanone	8.64	43	203165	21.625	ug/l	99
59) 2-Hexanone	9.49	43	148236	20.160	ug/l	99
61) Tetrachloroethene	9.33	164	29423	5.139	ug/l	97
62) Toluene	8.78	91	121351	4.788	ug/l	99
64) Chlorobenzene	10.14	112	73568	4.618	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.22	131	27174	4.590	ug/l	96
66) Ethyl Benzene	10.24	91	124441	4.464	ug/l	99
67) m/p-Xylenes	10.35	106	92772	8.619	ug/l	97
68) o-Xylene	10.70	106	47437	4.543	ug/l	99
69) Styrene	10.71	104	77171	4.355	ug/l	99
70) Isopropylbenzene	11.01	105	120878	4.425	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	44896	4.594	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	42782	5.057	ug/l	94
73) Bromobenzene	11.25	156	32471	4.491	ug/l	97
74) n-propylbenzene	11.35	91	132026	4.253	ug/l	99
75) 2-Chlorotoluene	11.42	91	83367	4.496	ug/l	97
76) 1,3,5-Trimethylbenzene	11.50	105	100154	4.352	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	9321	2.886	ug/l	92
78) 4-Chlorotoluene	11.51	91	91388	4.299	ug/l	99
79) tert-butylbenzene	11.76	119	94429	4.101	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	99006	4.309	ug/l	99
81) sec-Butylbenzene	11.94	105	113728	4.296	ug/l	99
82) p-Isopropyltoluene	12.06	119	98463	4.058	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	54740	4.312	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	53952	4.276	ug/l	98
85) n-Butylbenzene	12.38	91	75223	3.616	ug/l	98
86) Hexachloroethane	12.59	117	17020	3.843	ug/l	89
87) 1,2-Dichlorobenzene	12.39	146	56625	4.464	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	7342	3.404	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	30943	3.594	ug/l	97
90) Hexachlorobutadiene	13.77	225	16388	3.954	ug/l	97
91) Naphthalene	13.83	128	88745	3.289	ug/l	98
92) 1,2,3-Trichlorobenzene	14.01	180	32834	3.781	ug/l	96

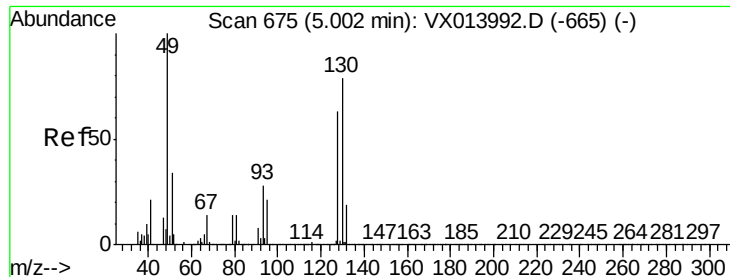
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
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ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Dec 13 01:19:50 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 13 01:15:47 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

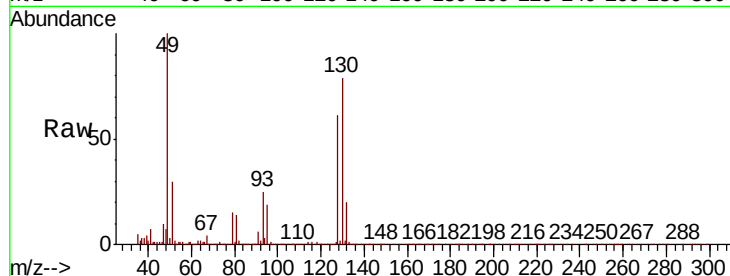
Tot Ion:128 Resp: 92238

Ion Ratio Lower Upper

128 100

49 162.2 0.0 405.0

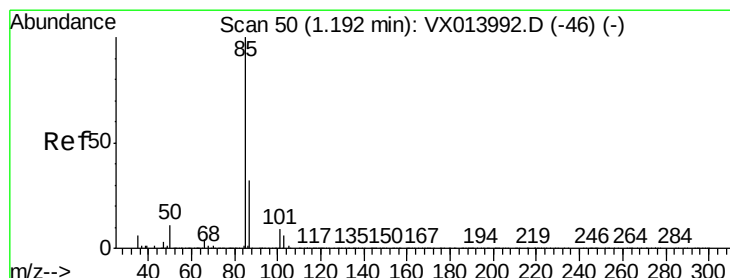
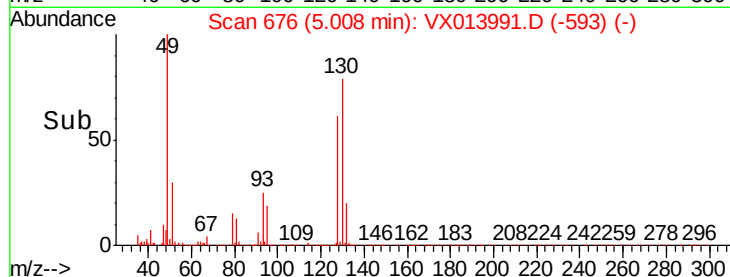
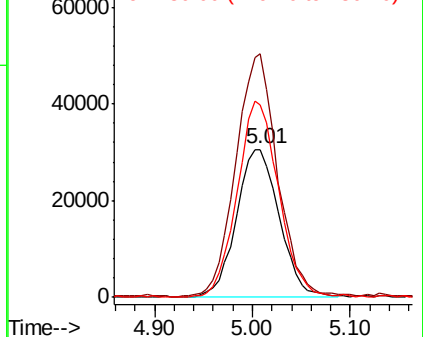
130 129.9 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 3.866 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013991.D

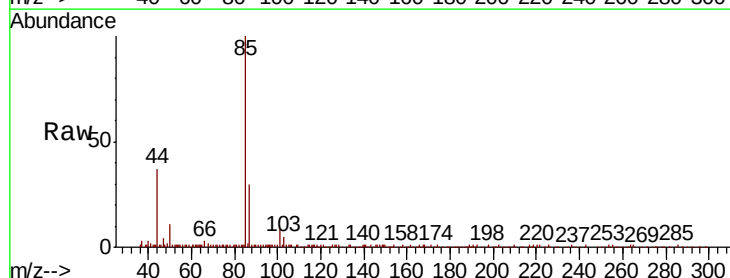
Acq: 12 Dec 2019 22:11

Tgt Ion: 85 Resp: 25064

Ion Ratio Lower Upper

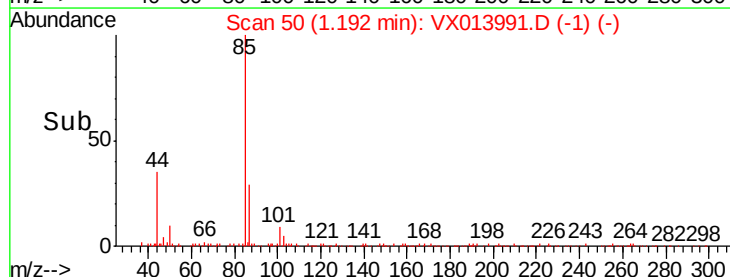
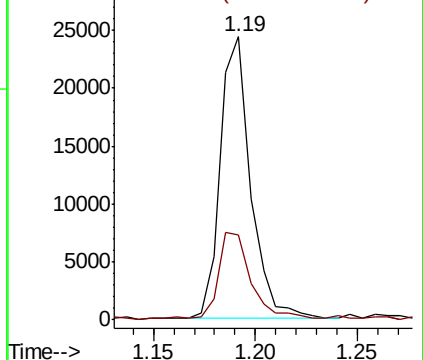
85 100

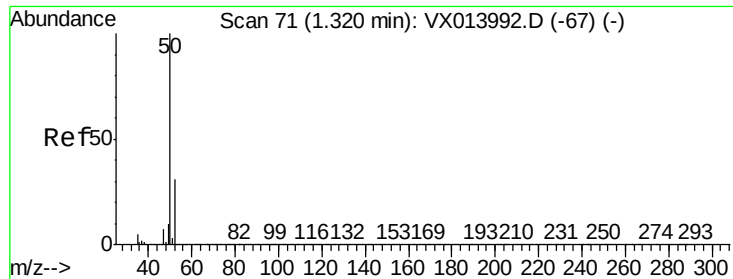
87 29.4 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

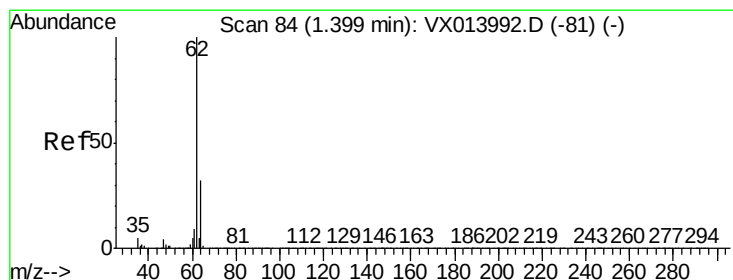
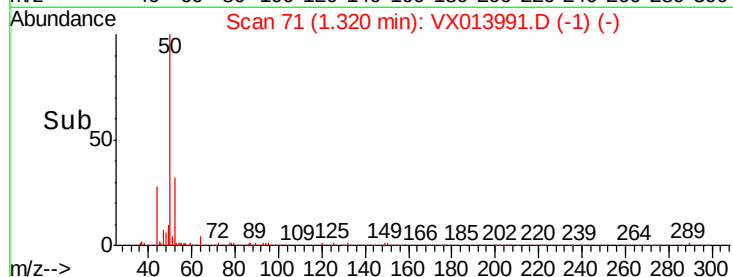
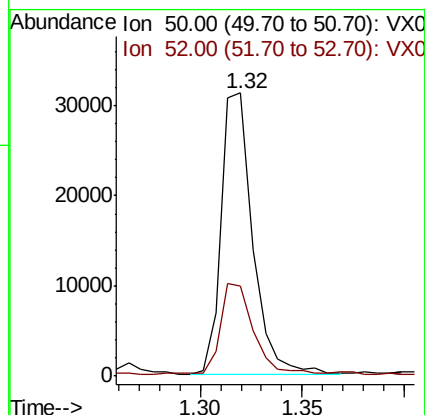
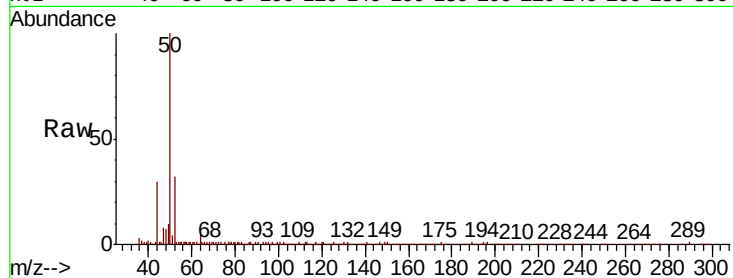




#3
Chloromethane
Concen: 4.523 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

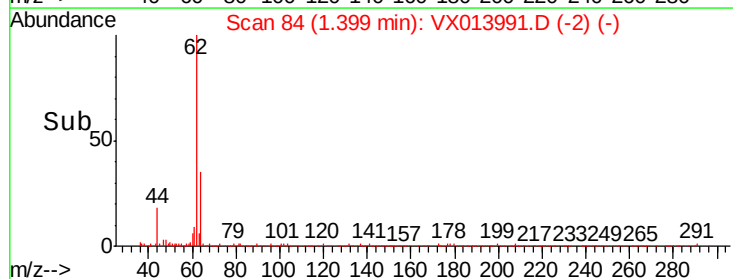
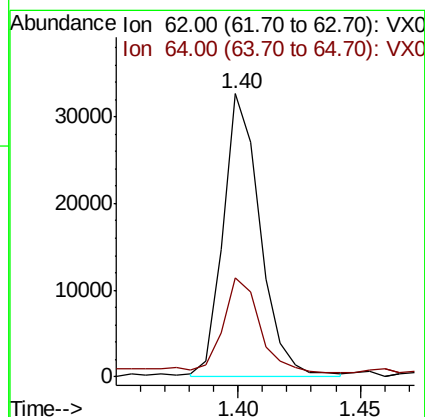
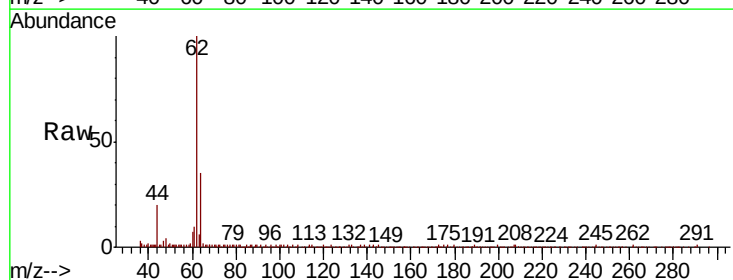
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

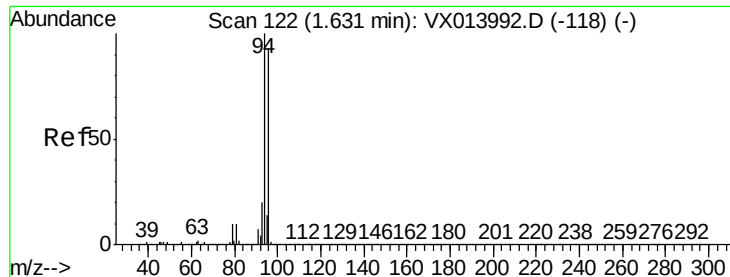
Tot Ion: 50 Resp: 33525
Ion Ratio Lower Upper
50 100
52 31.0 24.3 36.5



#4
Vinyl Chloride
Concen: 4.127 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion: 62 Resp: 33996
Ion Ratio Lower Upper
62 100
64 33.7 25.2 37.8





#5

Bromomethane

Concen: 5.523 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

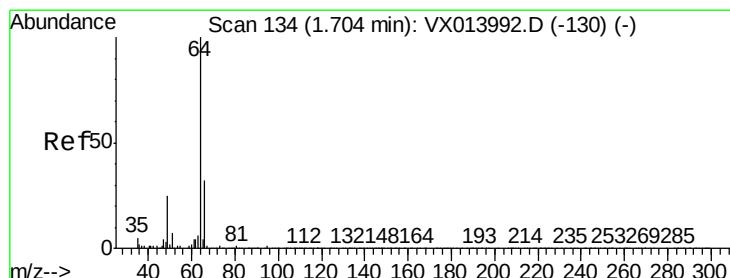
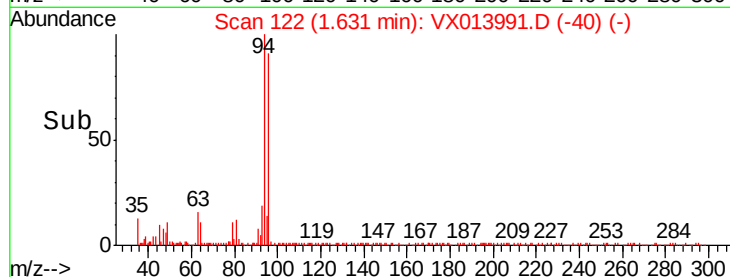
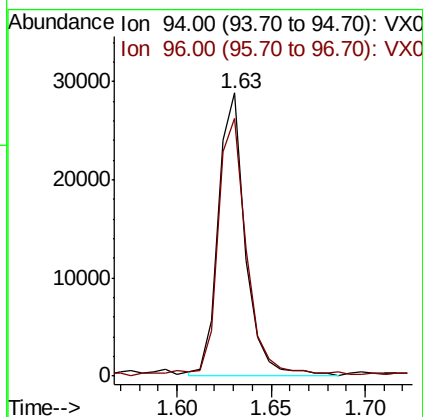
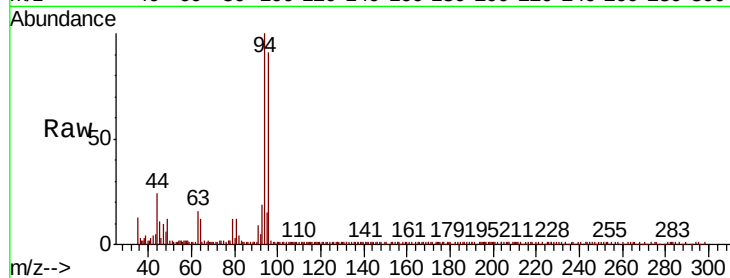
VSTDIC005

Tot Ion: 94 Resp: 28785

Ion Ratio Lower Upper

94 100

96 90.1 74.4 111.6



#6

Chloroethane

Concen: 4.582 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX013991.D

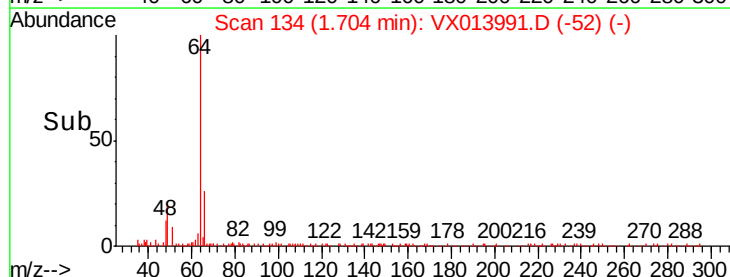
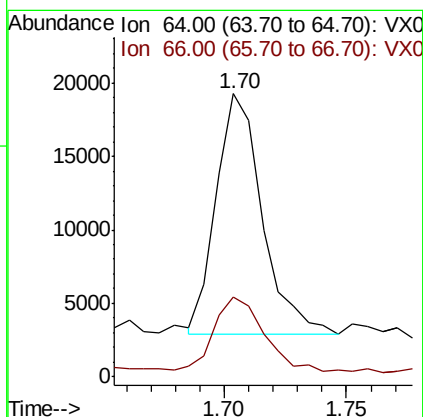
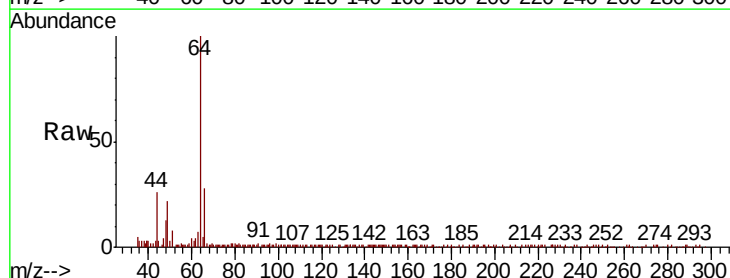
Acq: 12 Dec 2019 22:11

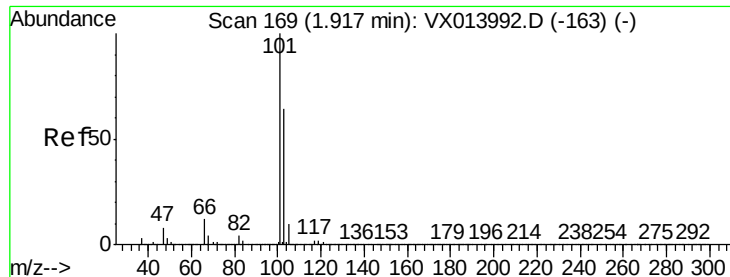
Tgt Ion: 64 Resp: 21200

Ion Ratio Lower Upper

64 100

66 30.1 25.2 37.8





#7

Trichlorofluoromethane

Concen: 4.516 ug/l

RT: 1.92 min Scan# 169

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

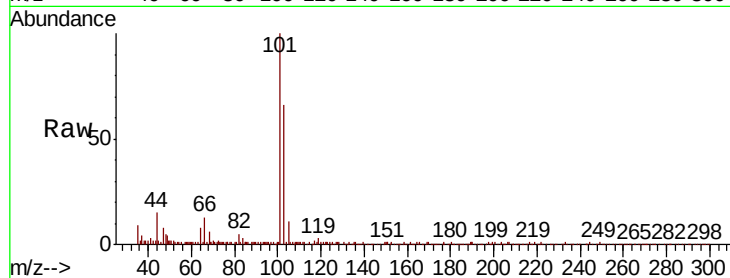
VSTDIC005

Tot Ion:101 Resp: 41326

Ion Ratio Lower Upper

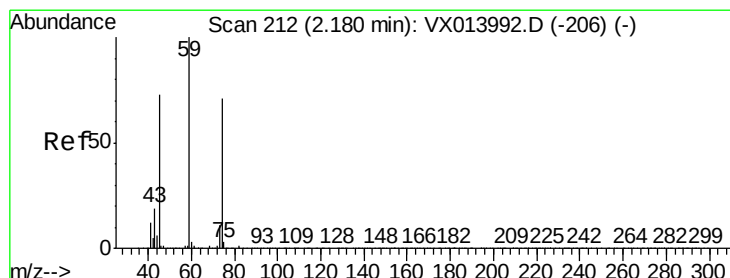
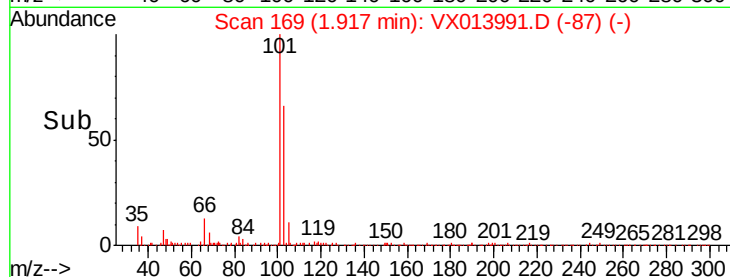
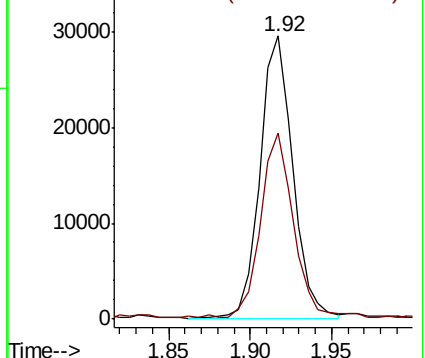
101 100

103 65.3 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 4.297 ug/l

RT: 2.18 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX013991.D

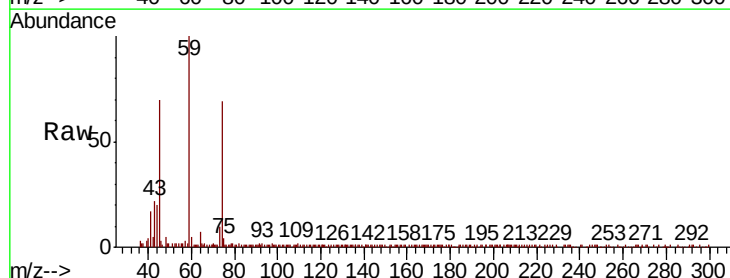
Acq: 12 Dec 2019 22:11

Tgt Ion: 74 Resp: 17982

Ion Ratio Lower Upper

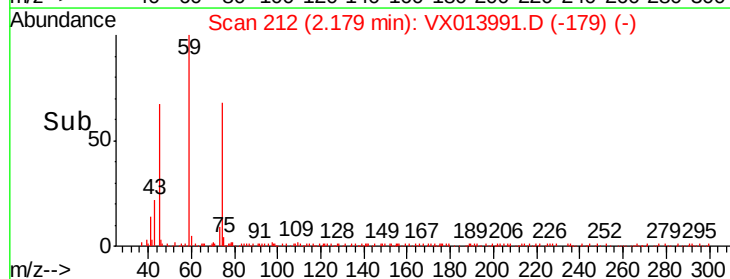
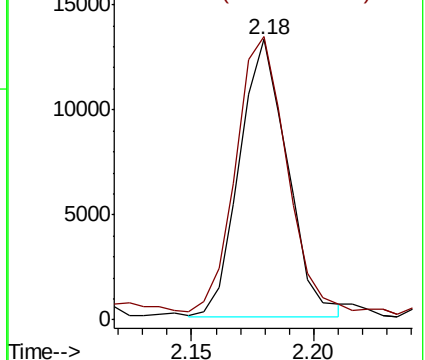
74 100

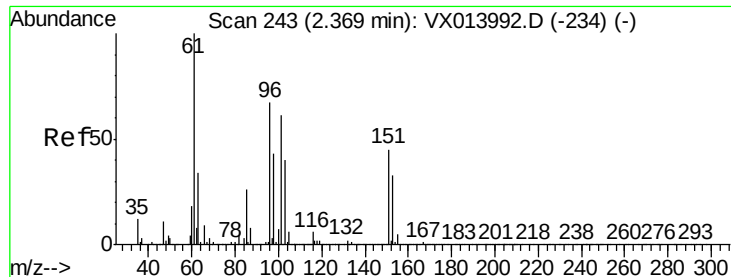
45 107.9 20.6 185.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.679 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

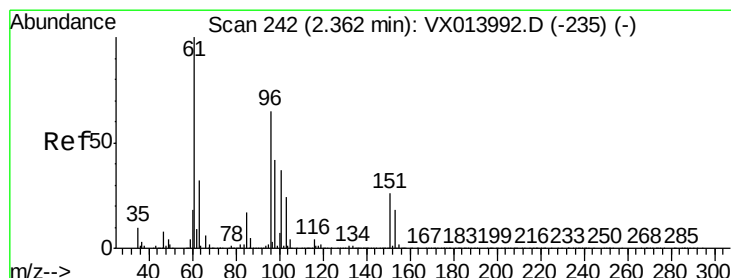
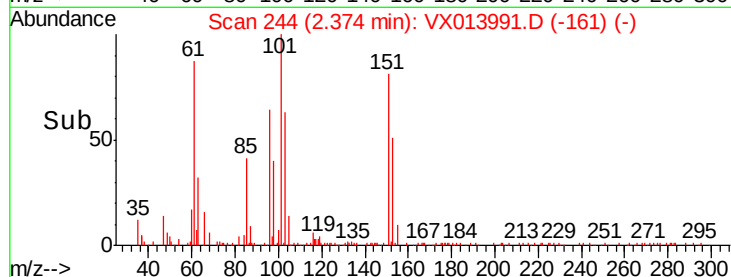
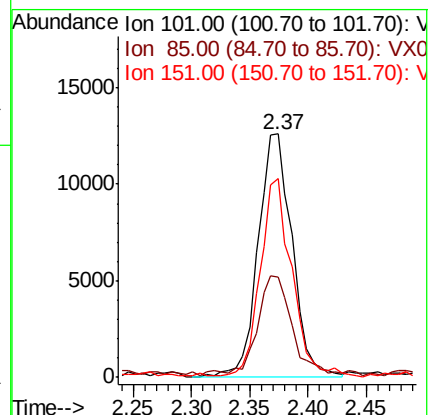
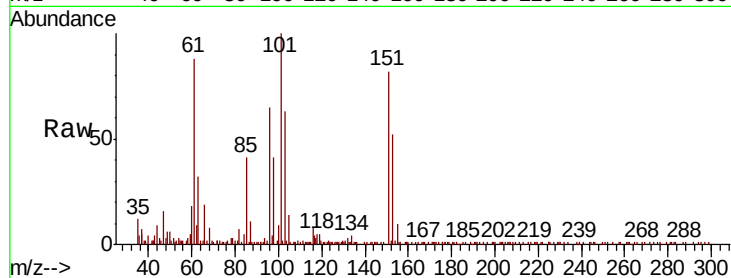
Tot Ion:101 Resp: 25607

Ion Ratio Lower Upper

101 100

85 37.7 0.0 85.6

151 75.0 0.0 159.4



#10

1,1-Dichloroethene

Concen: 4.502 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

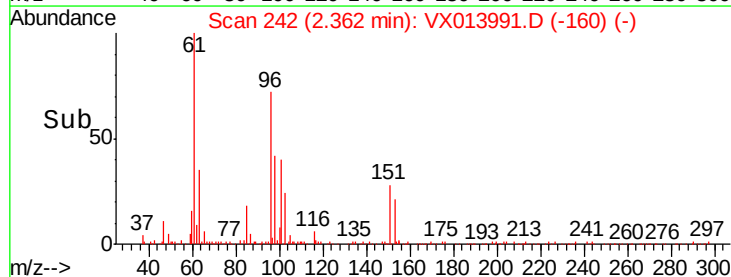
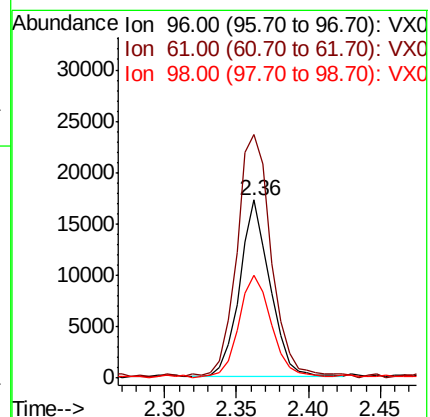
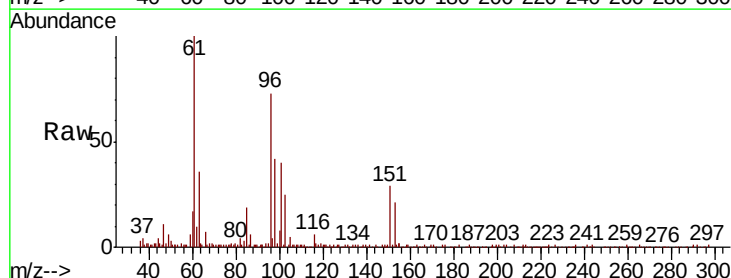
Tgt Ion: 96 Resp: 25405

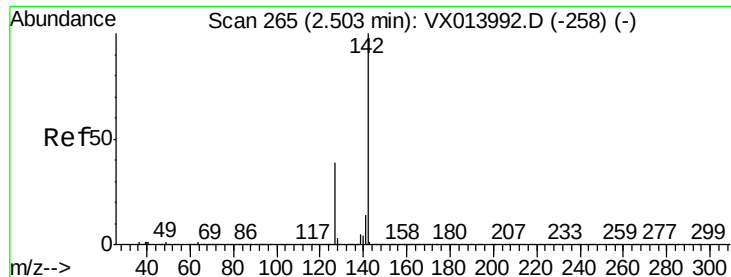
Ion Ratio Lower Upper

96 100

61 135.3 123.0 184.6

98 58.5 51.4 77.0

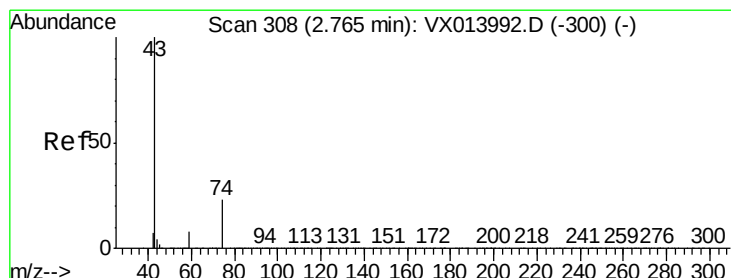
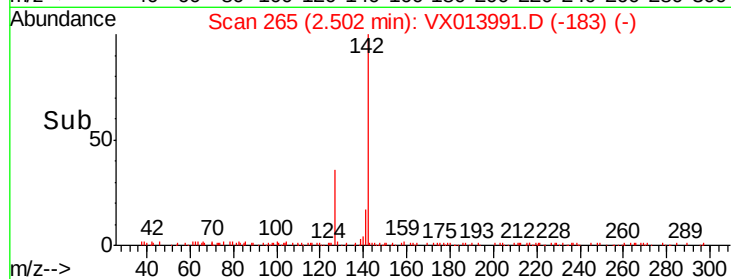
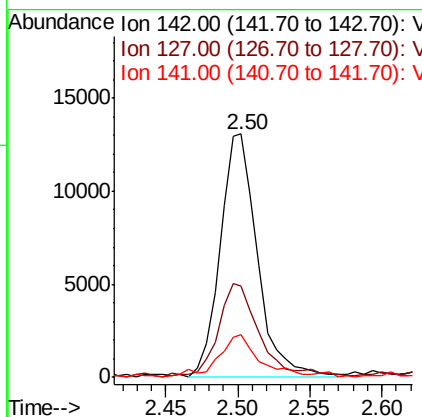
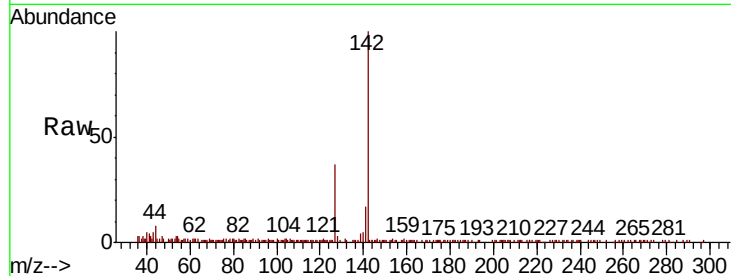




#11
Methvl Iodide
Concen: 3.372 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

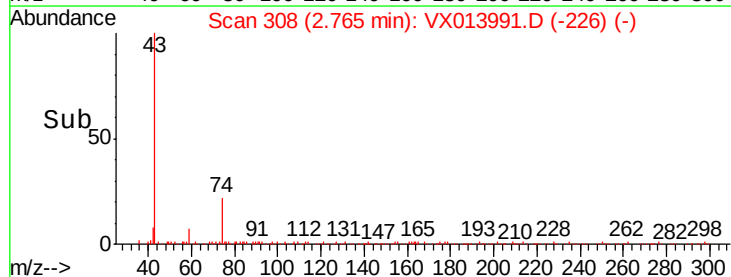
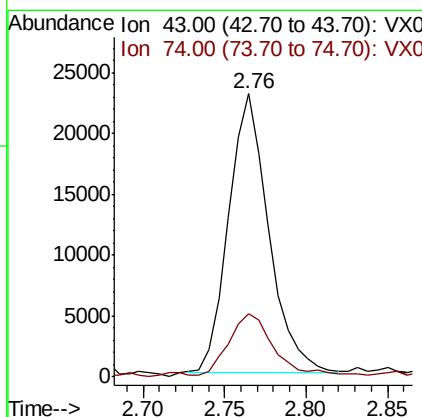
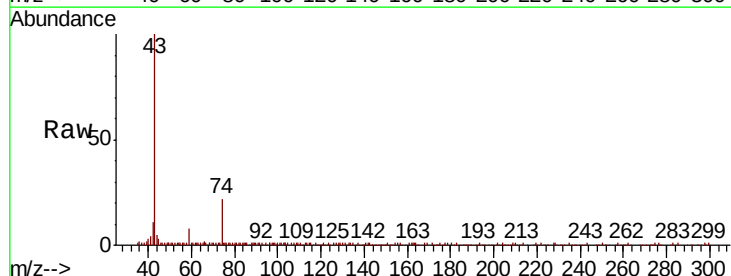
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

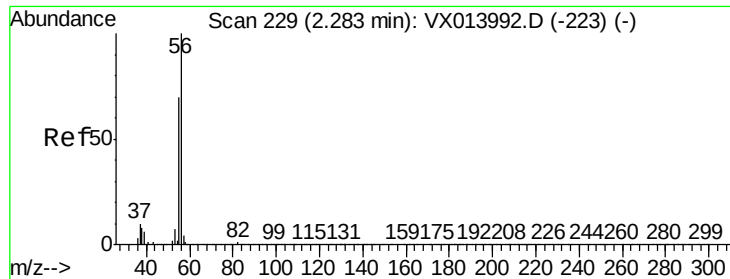
Tot Ion:142 Resp: 23693
Ion Ratio Lower Upper
142 100
127 36.3 19.5 58.5
141 15.7 7.0 20.9



#12
Methyl Acetate
Concen: 4.044 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion: 43 Resp: 39248
Ion Ratio Lower Upper
43 100
74 21.9 18.5 27.7





#13

Acrolein

Concen: 15.947 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

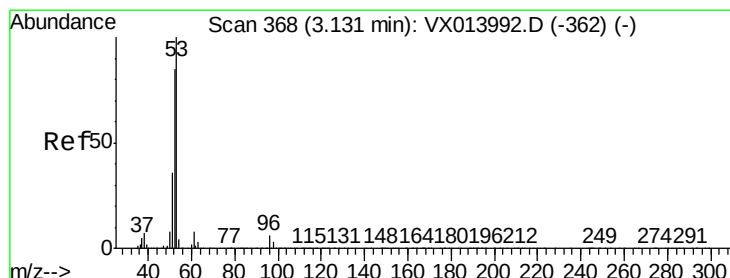
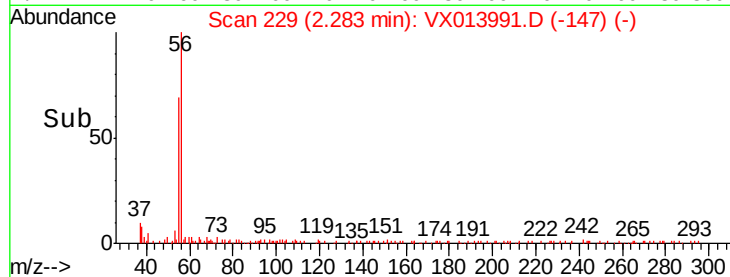
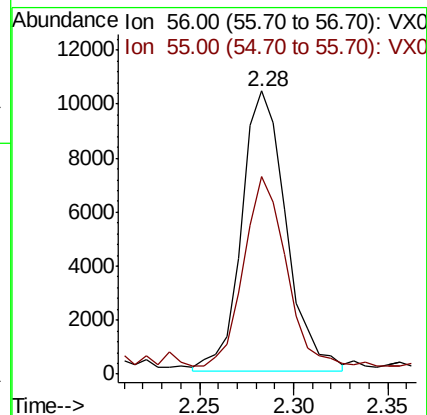
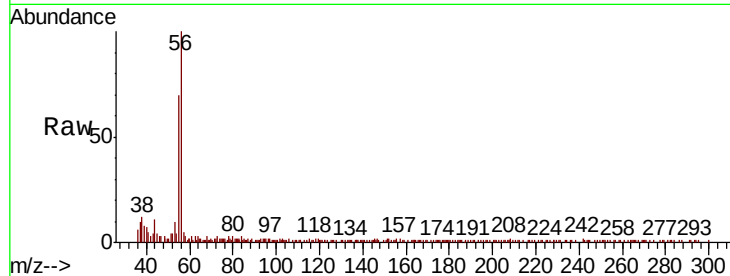
VSTDIC005

Tot Ion: 56 Resp: 17037

Ion Ratio Lower Upper

56 100

55 64.6 54.9 82.3



#14

Acrylonitrile

Concen: 20.745 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

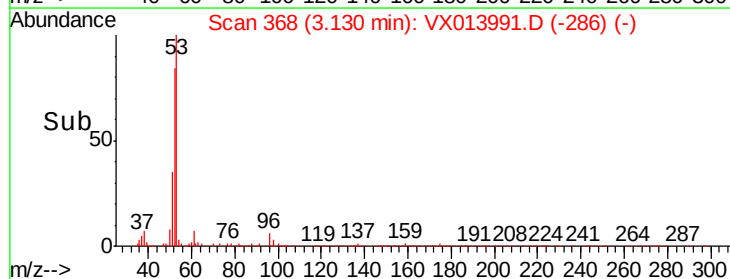
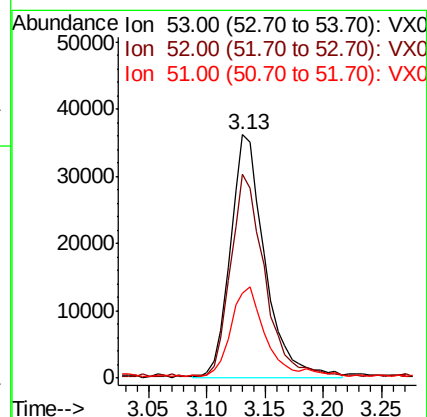
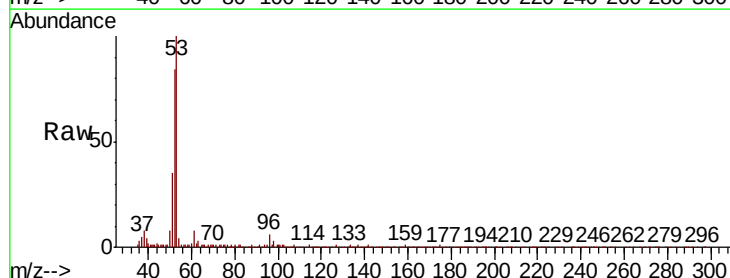
Tgt Ion: 53 Resp: 74638

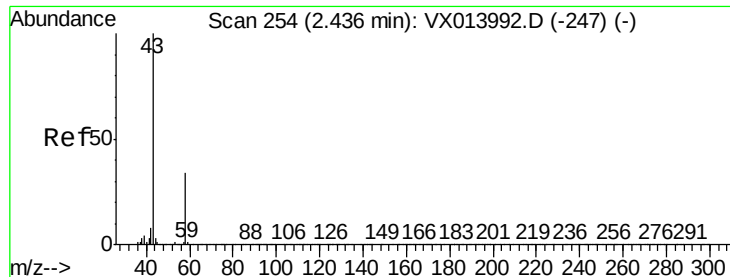
Ion Ratio Lower Upper

53 100

52 82.5 41.5 124.6

51 35.7 17.8 53.5

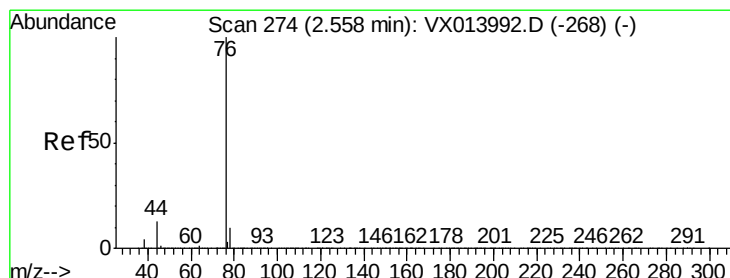
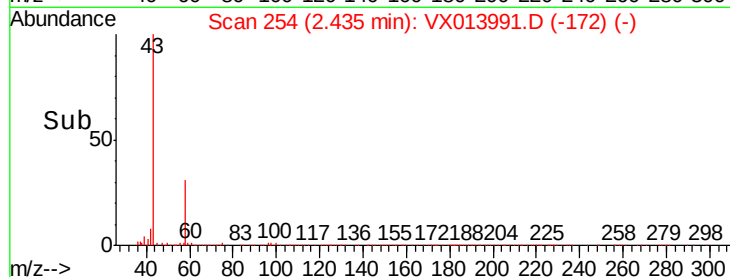
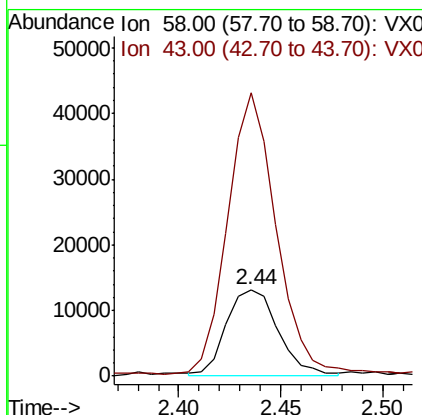
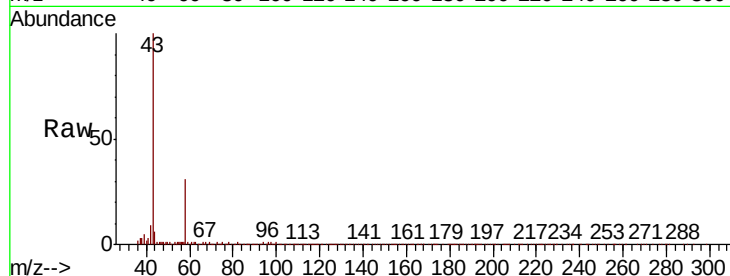




#15
Acetone
Concen: 21.924 ug/l
RT: 2.44 min Scan# 254
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

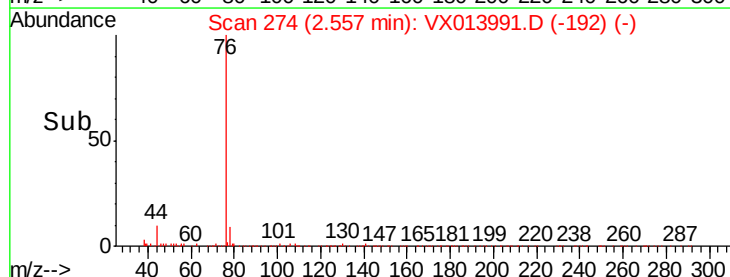
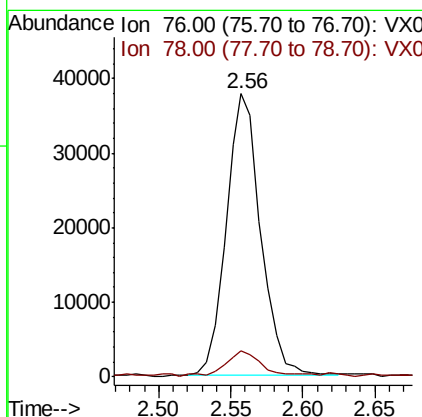
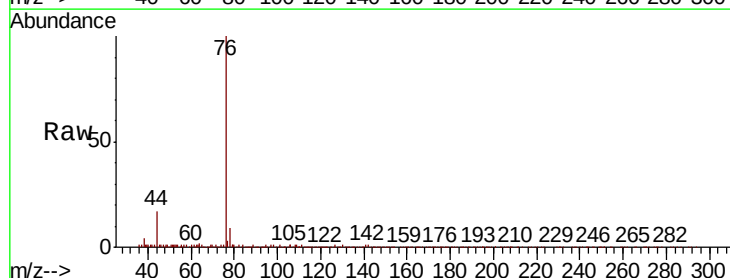
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

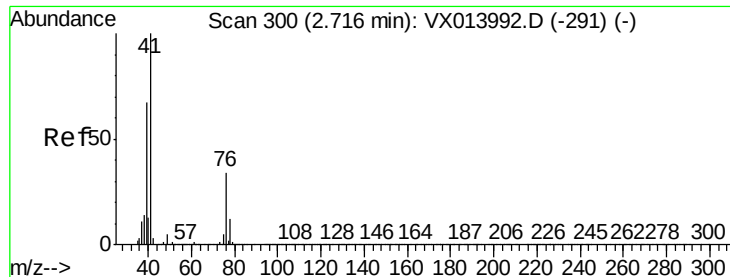
Tot Ion: 58 Resp: 23080
Ion Ratio Lower Upper
58 100
43 330.9 236.3 354.5



#16
Carbon Disulfide
Concen: 4.019 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion: 76 Resp: 62840
Ion Ratio Lower Upper
76 100
78 8.3 7.8 11.8

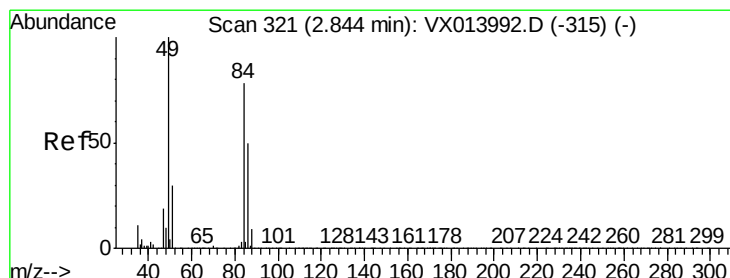
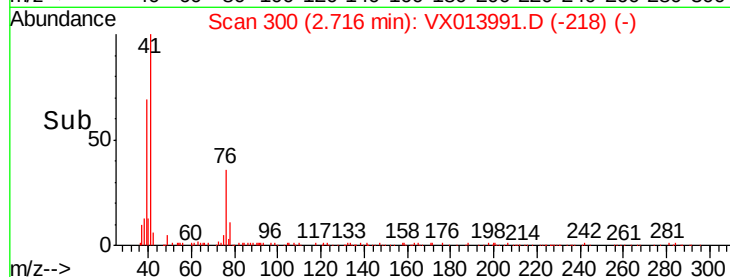
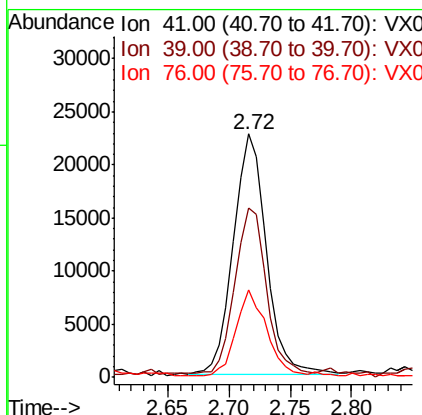
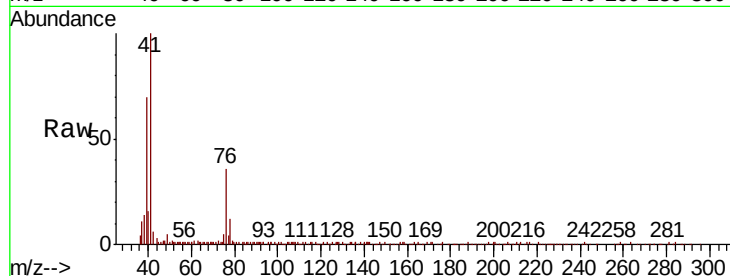




#17
Allvl chloride
Concen: 4.074 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

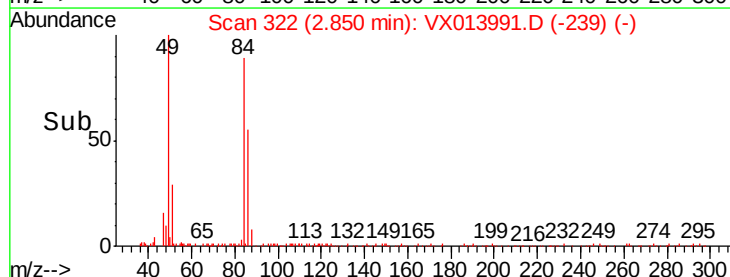
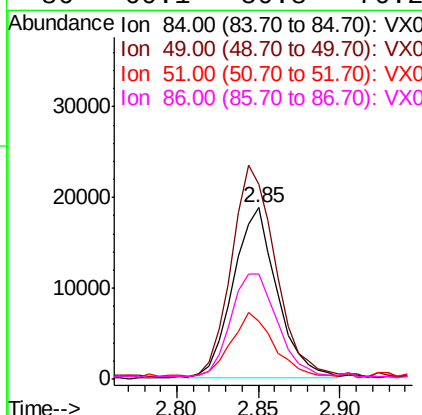
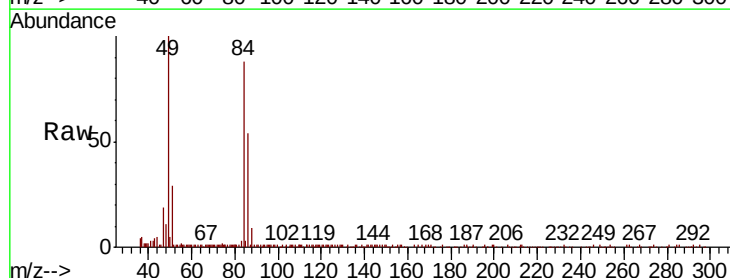
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

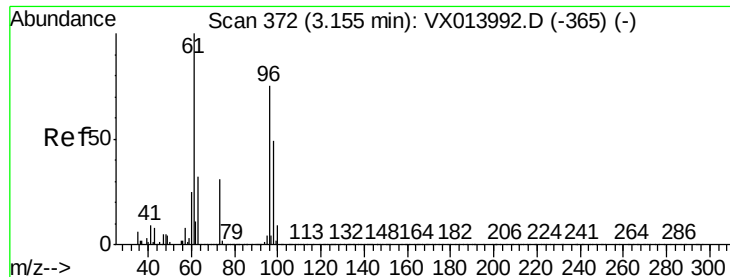
Tot Ion	Ratio	Lower	Upper
41	100		
39	69.2	33.4	100.2
76	35.8	17.0	50.9



#18
Methylene Chloride
Concen: 5.409 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.1	102.2	153.2
51	32.2	31.4	47.0
86	60.1	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 4.622 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

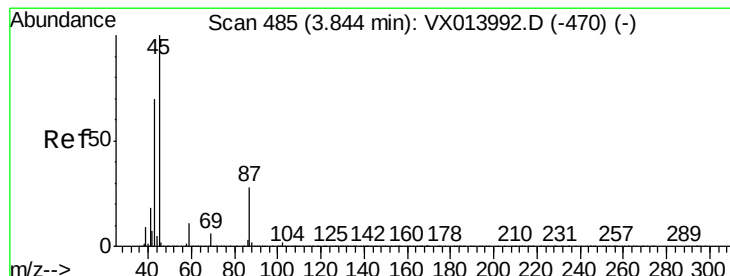
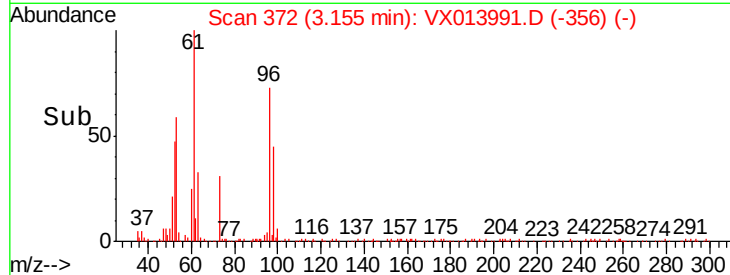
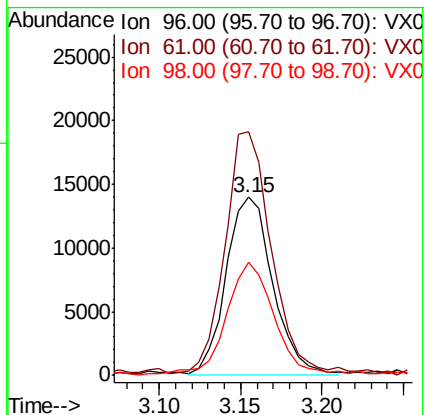
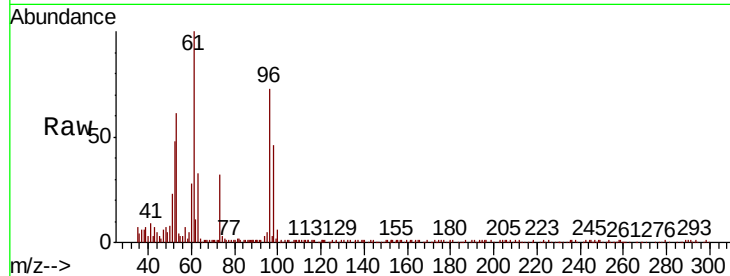
Tot Ion: 96 Resp: 28029

Ion Ratio Lower Upper

96 100

61 136.0 106.6 159.8

98 61.9 51.6 77.4



#20

Diisopropyl ether

Concen: 4.502 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion: 45 Resp: 91080

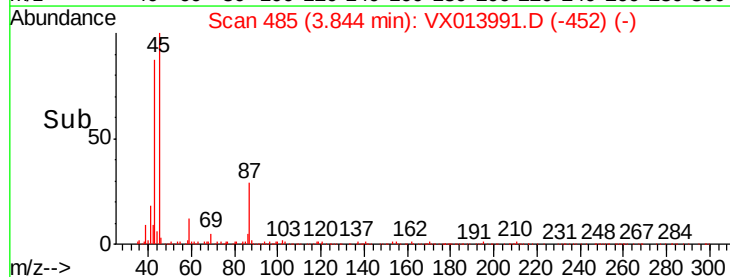
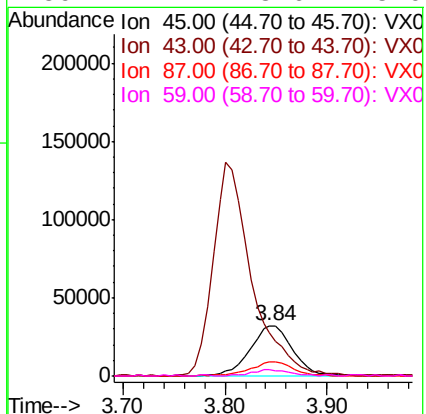
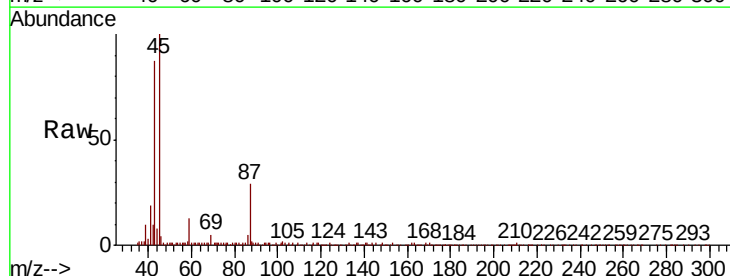
Ion Ratio Lower Upper

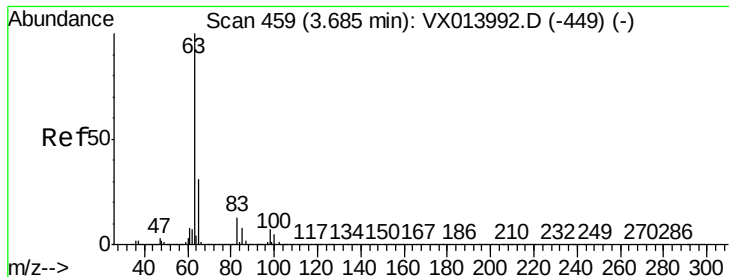
45 100

43 81.1 55.9 83.9

87 28.9 22.2 33.2

59 11.7 8.6 13.0





#21

1,1-Dichloroethane

Concen: 4.643 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

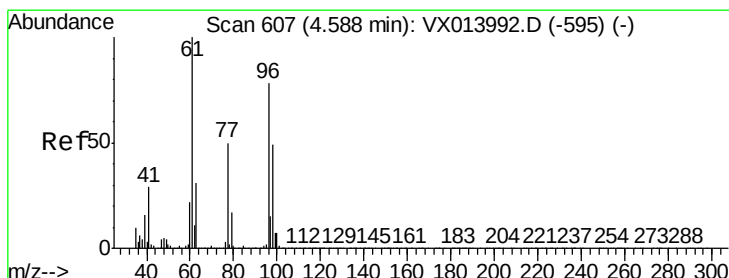
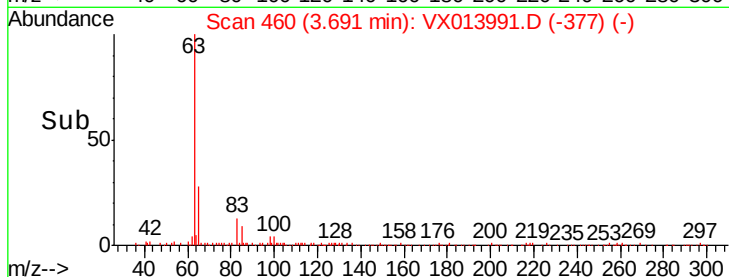
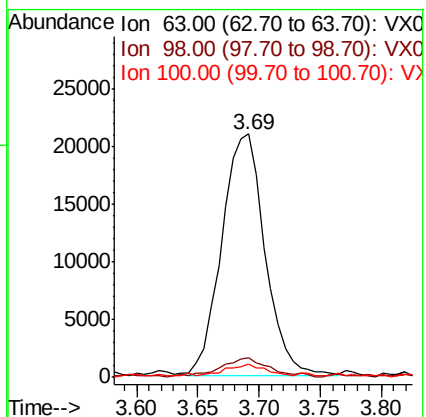
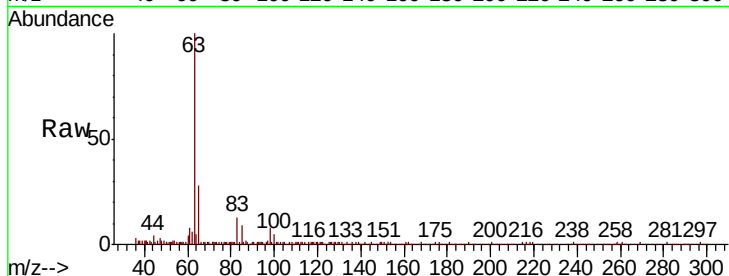
Tot Ion: 63 Resp: 51010

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

100 3.9 2.5 7.4



#22

cis-1,2-Dichloroethene

Concen: 4.676 ug/l

RT: 4.59 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

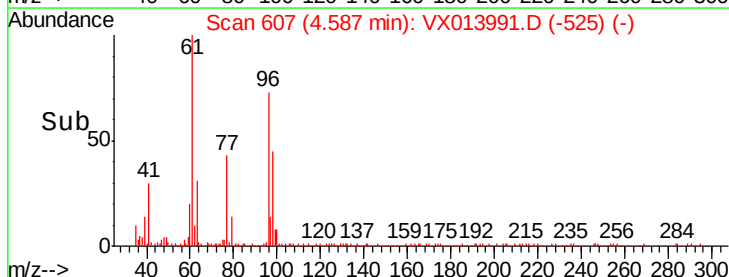
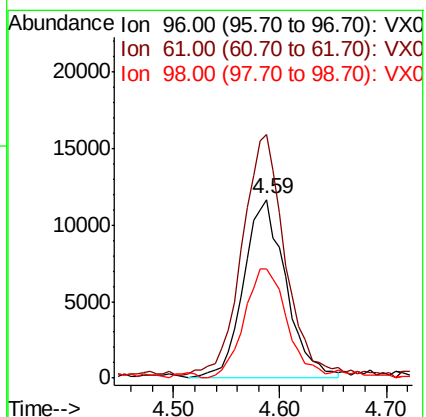
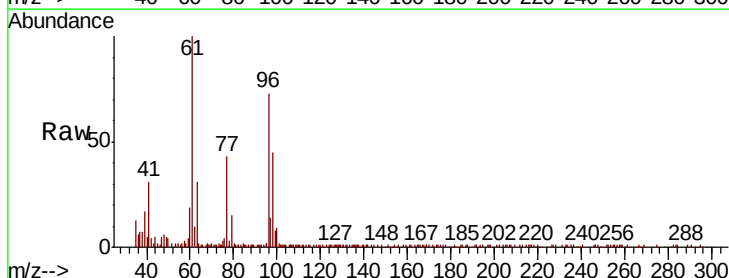
Tgt Ion: 96 Resp: 32478

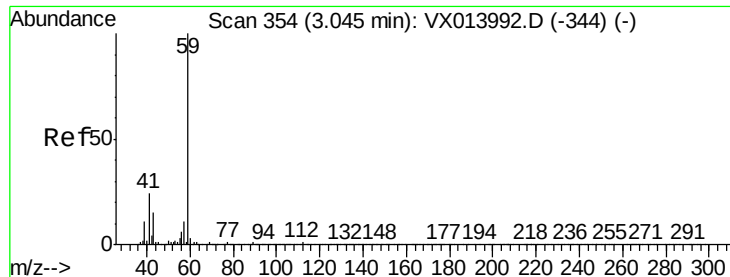
Ion Ratio Lower Upper

96 100

61 136.4 112.4 168.6

98 62.1 50.3 75.5





#23

tert-Butyl Alcohol

Concen: 16.689 ug/l

RT: 3.05 min Scan# 355

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

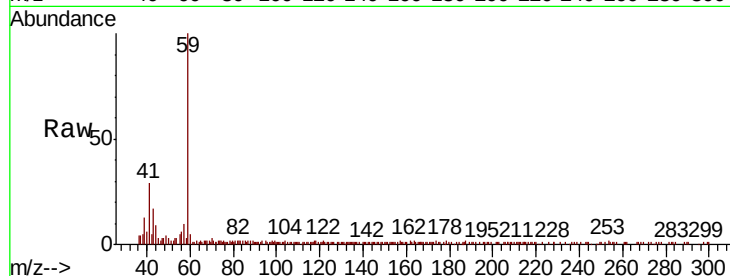
VSTDIC005

Tot Ion: 59 Resp: 28336

Ion Ratio Lower Upper

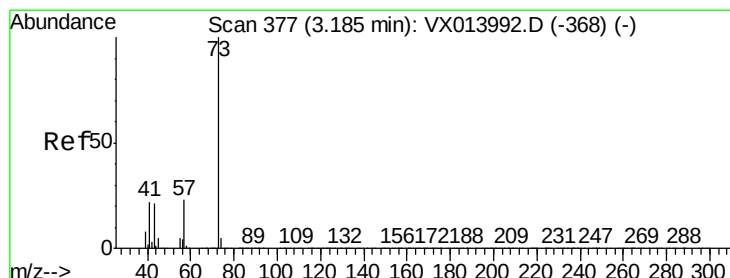
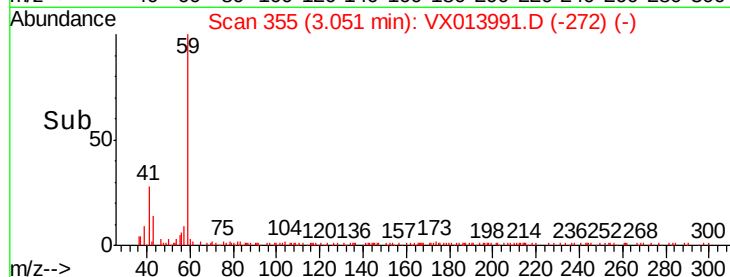
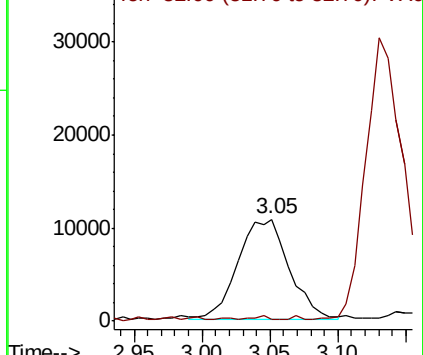
59 100

52 0.6 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 4.421 ug/l

RT: 3.19 min Scan# 377

Delta R.T. -0.00 min

Lab File: VX013991.D

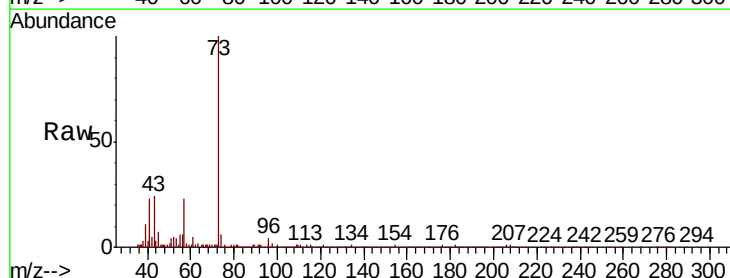
Acq: 12 Dec 2019 22:11

Tgt Ion: 73 Resp: 83047

Ion Ratio Lower Upper

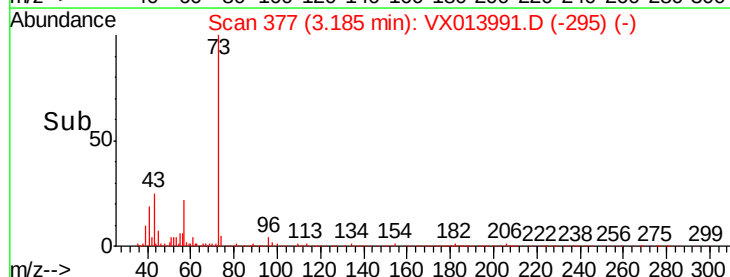
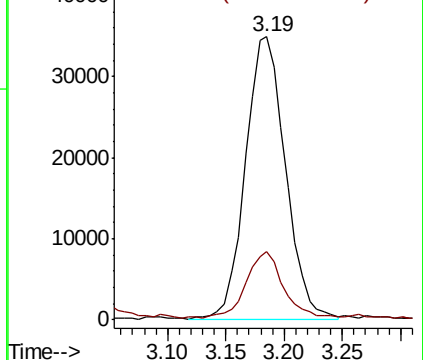
73 100

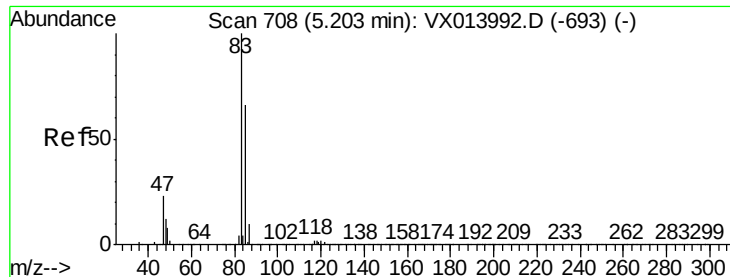
43 21.5 16.6 25.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 4.350 ug/l

RT: 5.20 min Scan# 708

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

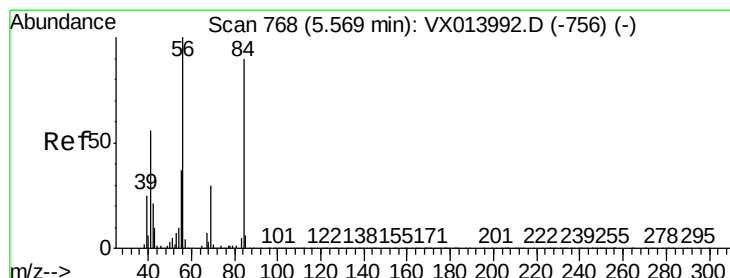
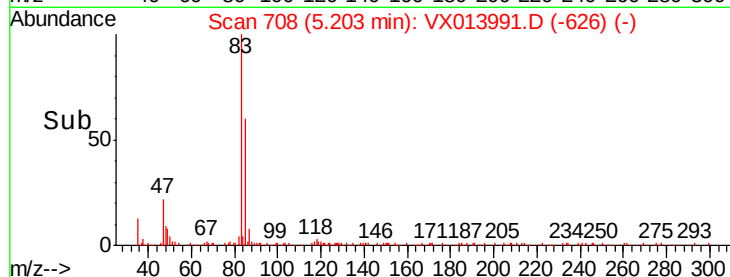
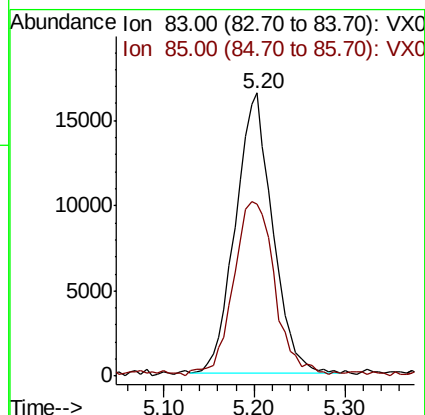
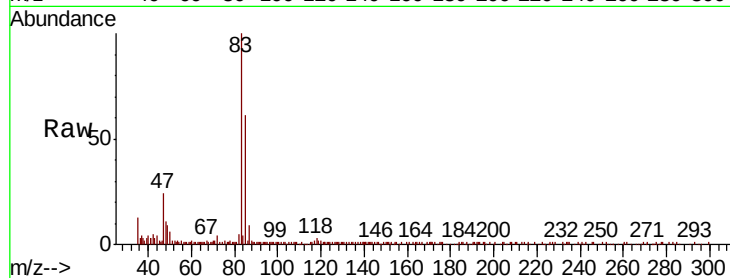
VSTDIC005

Tot Ion: 83 Resp: 46636

Ion Ratio Lower Upper

83 100

85 59.5 52.7 79.1



#26

Cyclohexane

Concen: 4.301 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

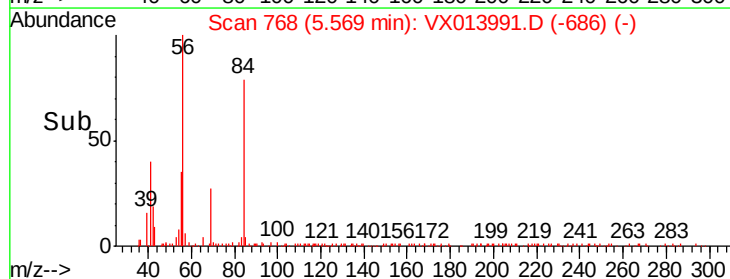
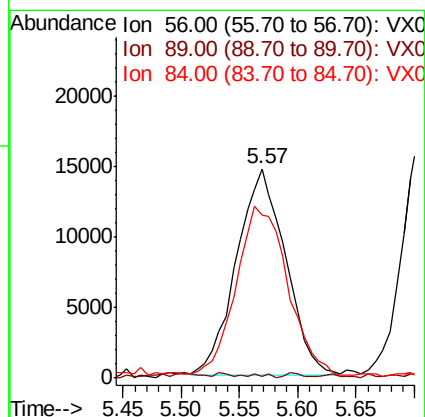
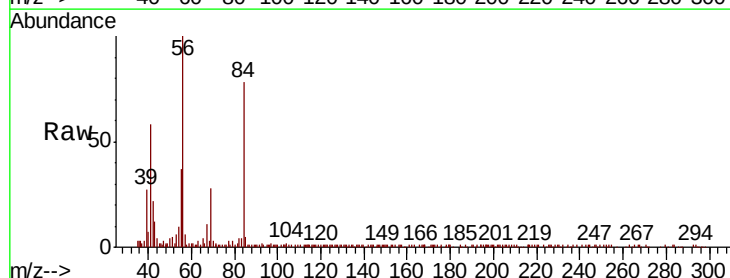
Tgt Ion: 56 Resp: 42942

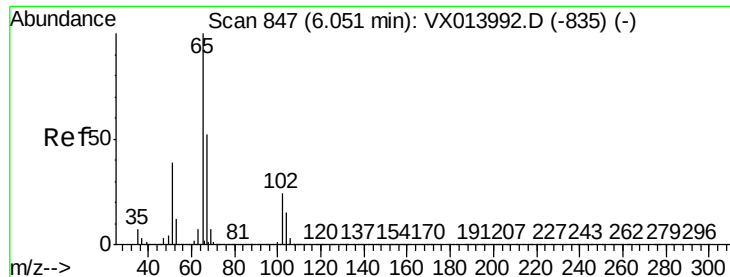
Ion Ratio Lower Upper

56 100

89 0.2 0.1 0.1#

84 85.4 70.8 106.2

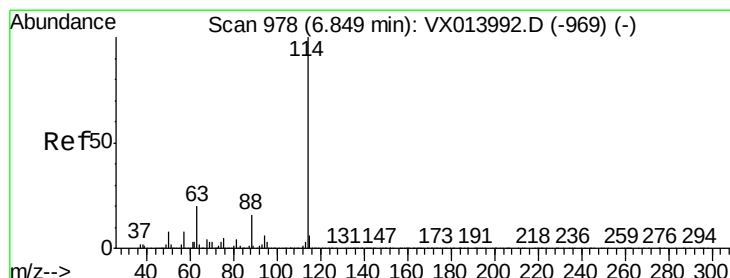
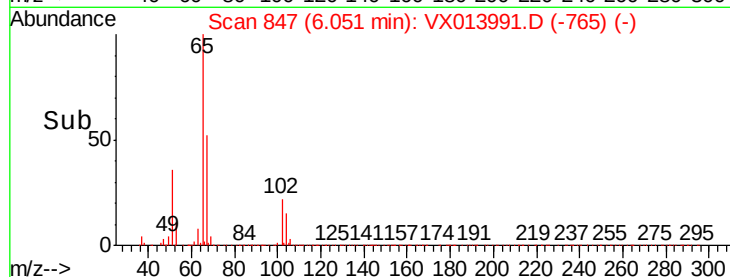
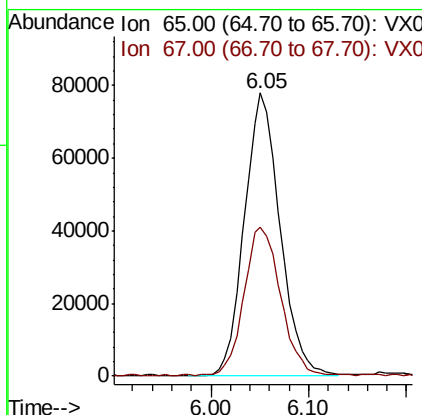
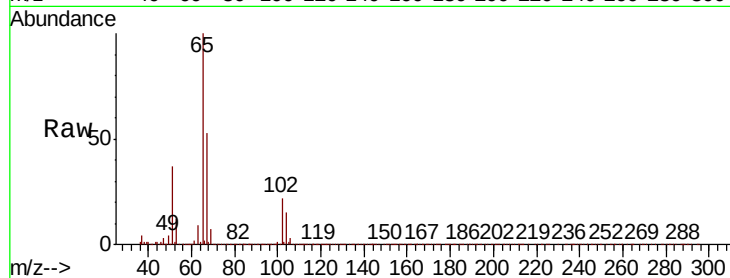




#27
 1,2-Dichloroethane-d4
 Concen: 28.883 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

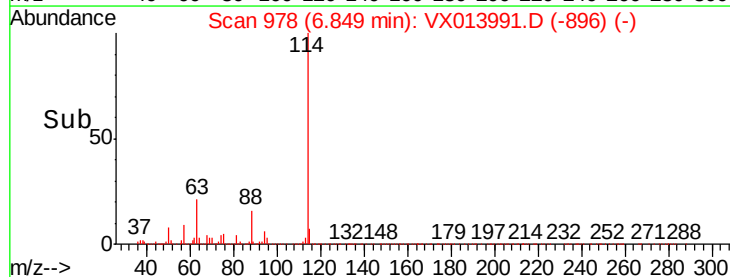
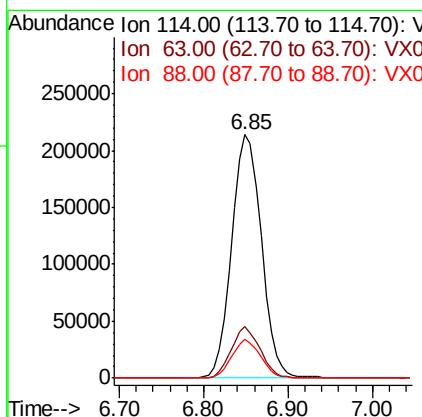
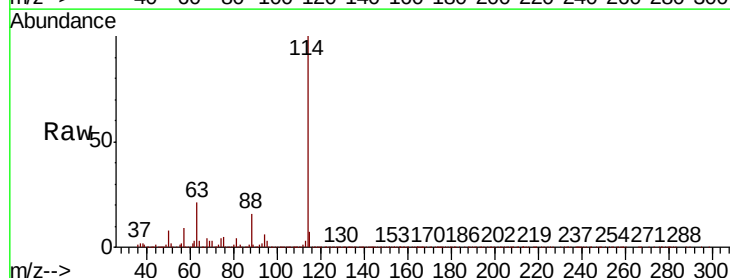
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

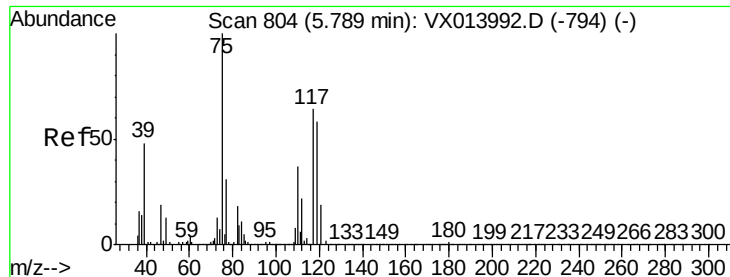
Tot Ion: 65 Resp: 197095
 Ion Ratio Lower Upper
 65 100
 67 54.2 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Tgt Ion: 114 Resp: 512220
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.1 24.1
 88 15.1 12.5 18.7

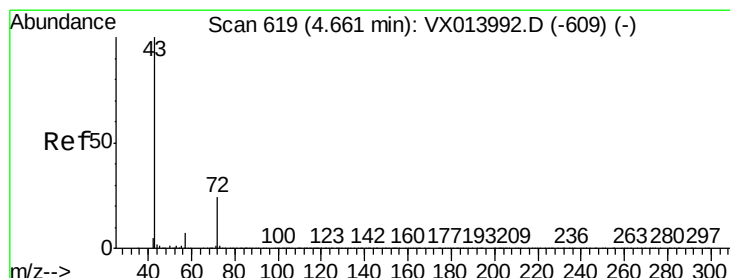
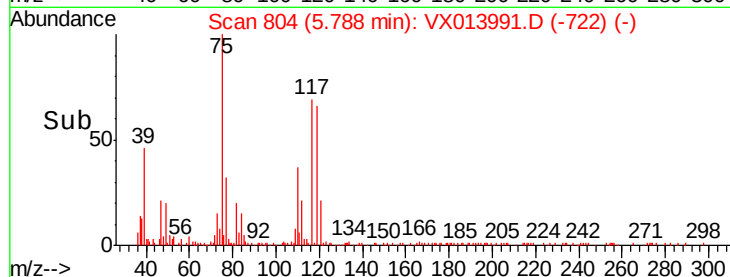
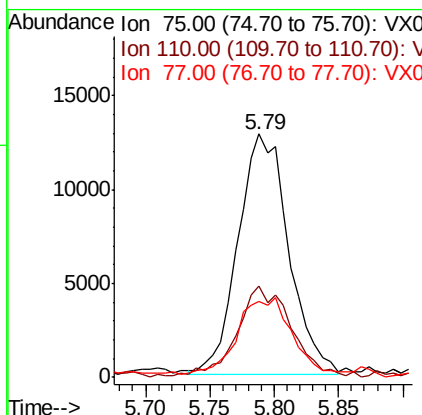
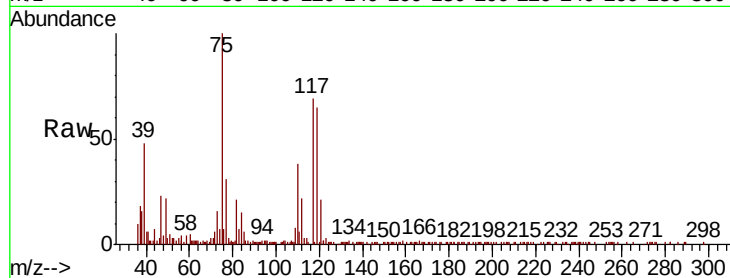




#29
 1,1-Dichloropropene
 Concen: 4.490 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

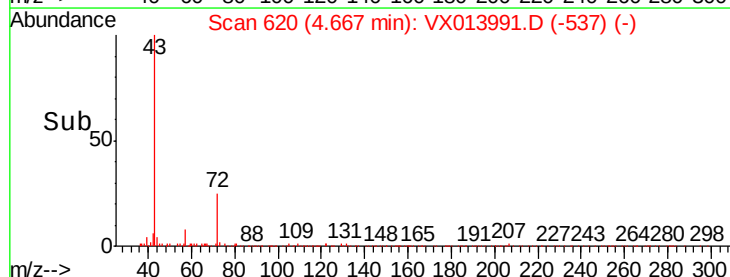
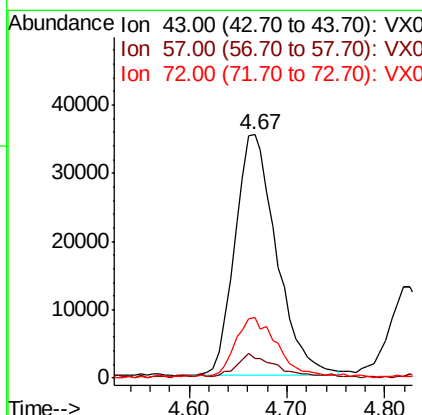
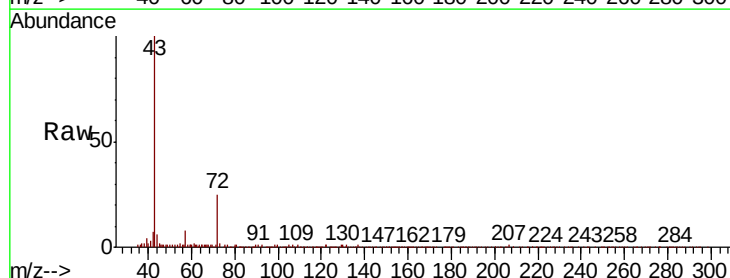
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

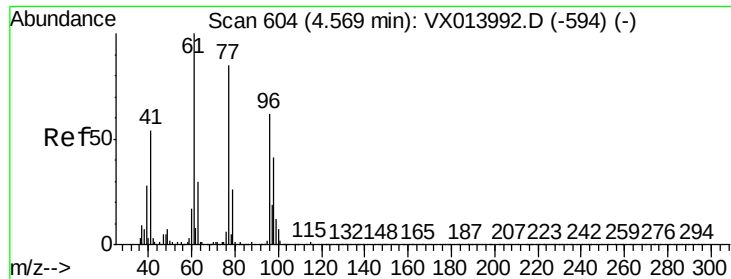
Tot Ion	Ratio	Lower	Upper
75	100		
110	22.5	0.0	73.8
77	19.9	0.0	62.4



#30
 2-Butanone
 Concen: 21.060 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.2	9.2
72	23.2	20.3	30.5





#31

2,2-Dichloropropane

Concen: 3.873 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

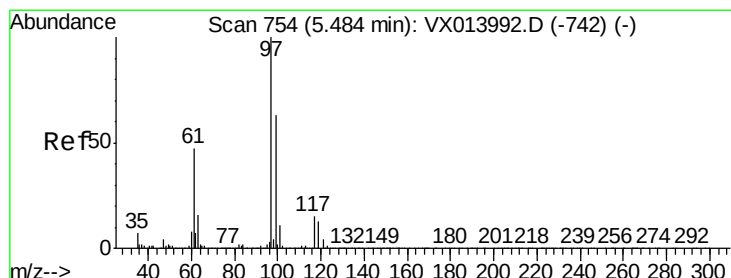
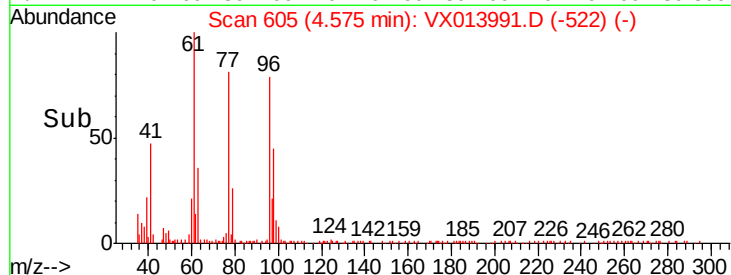
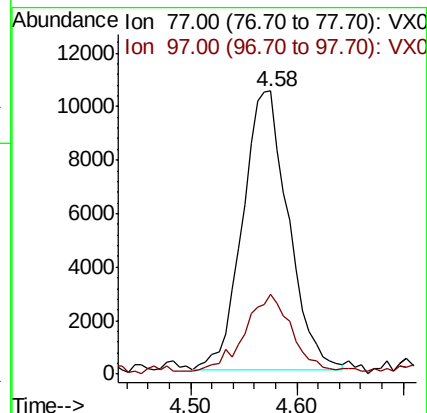
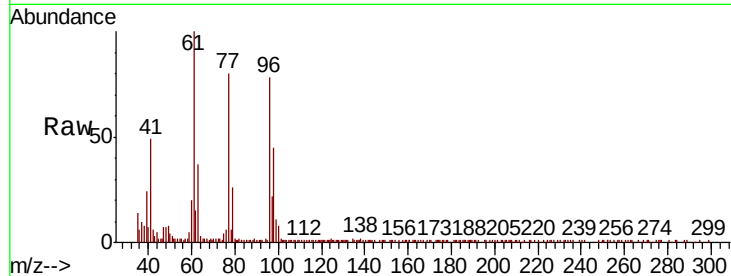
VSTDIC005

Tot Ion: 77 Resp: 31676

Ion Ratio Lower Upper

77 100

97 28.9 19.7 29.5



#32

1,1,1-Trichloroethane

Concen: 4.581 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

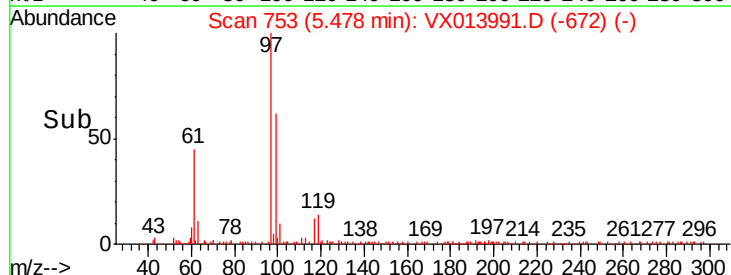
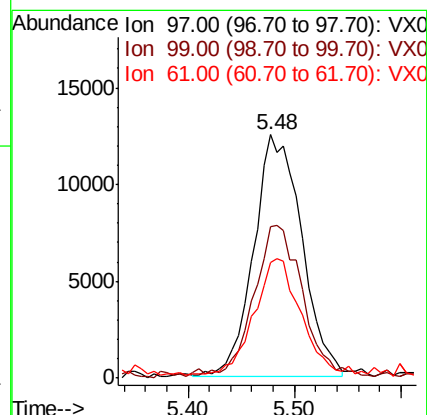
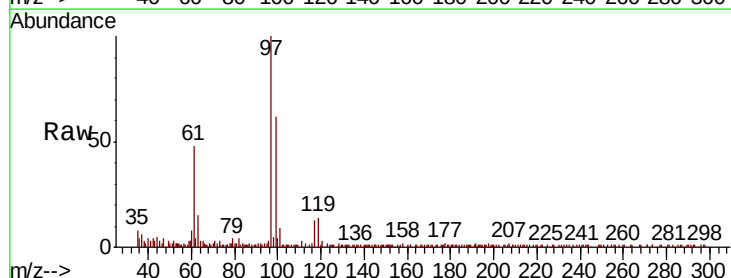
Tgt Ion: 97 Resp: 39444

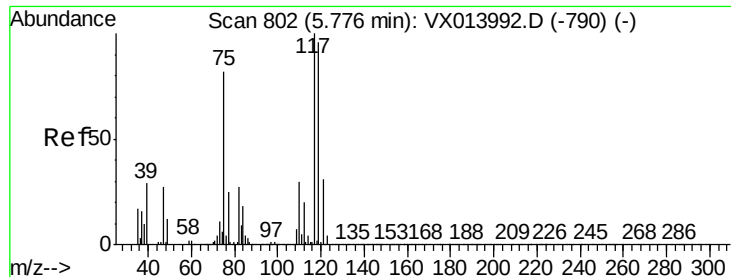
Ion Ratio Lower Upper

97 100

99 61.7 51.9 77.9

61 45.3 36.8 55.2





#33

Carbon Tetrachloride

Concen: 4.260 ug/l

RT: 5.78 min Scan# 803

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

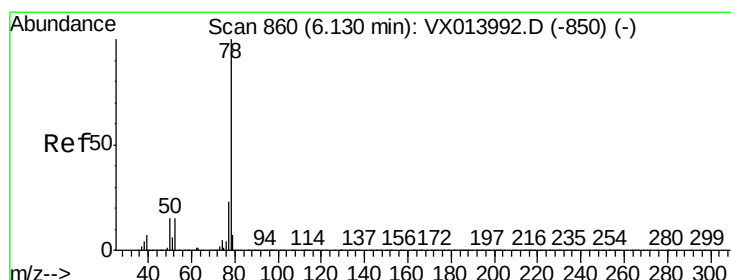
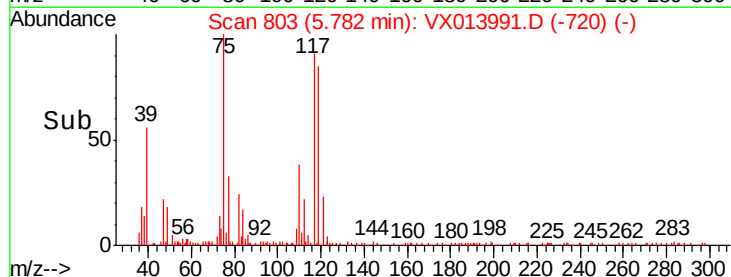
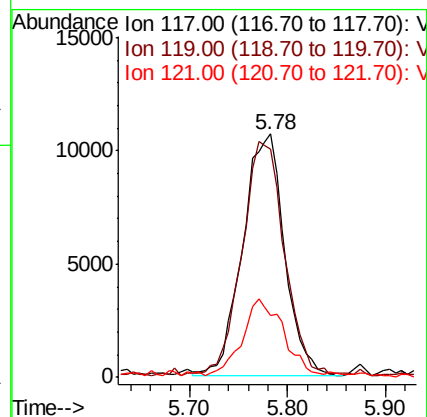
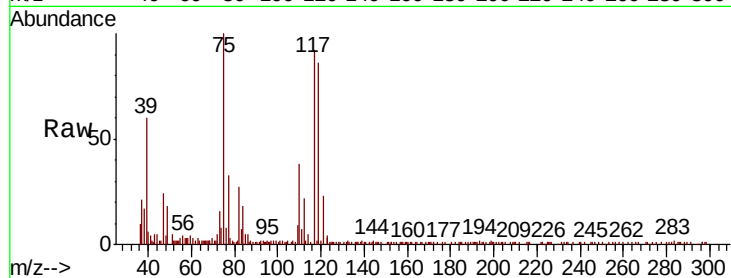
Tot Ion:117 Resp: 31700

Ion Ratio Lower Upper

117 100

119 92.5 77.2 115.8

121 24.2 24.8 37.2#



#34

Benzene

Concen: 4.725 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

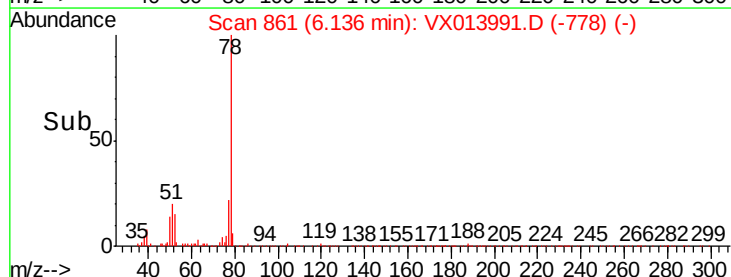
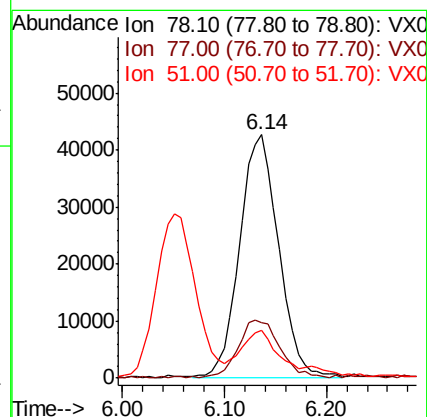
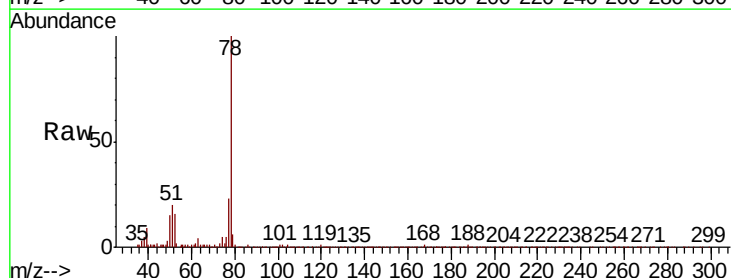
Tgt Ion: 78 Resp: 112056

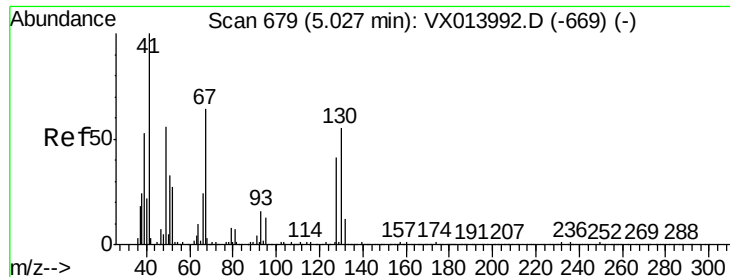
Ion Ratio Lower Upper

78 100

77 22.8 18.2 27.2

51 18.5 12.4 18.6

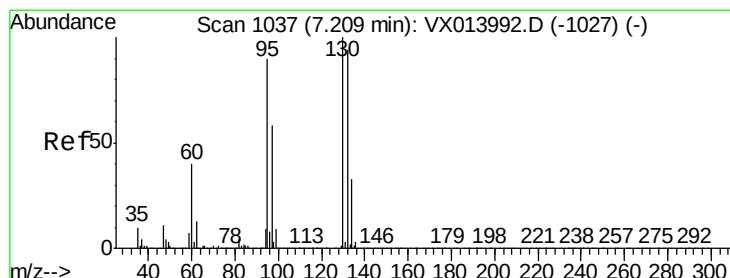
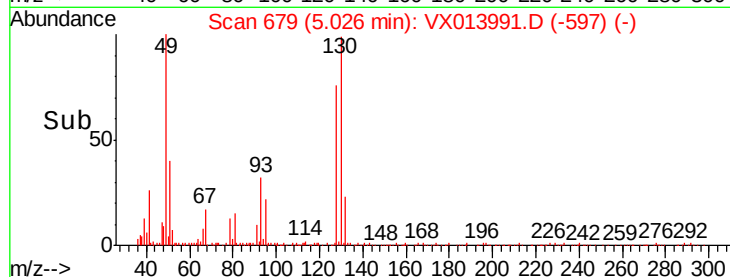
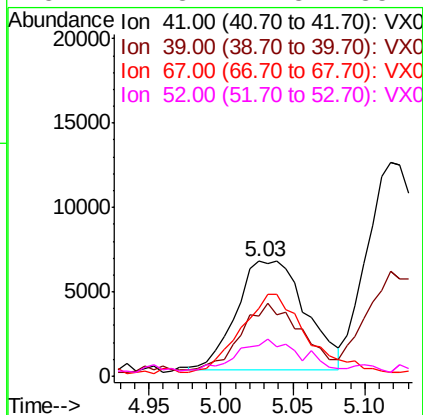
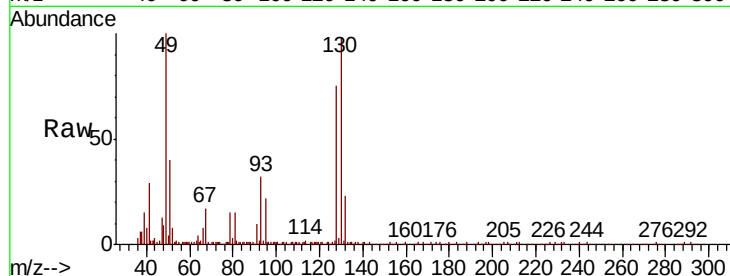




#35
Methacrylonitrile
Concen: 4.214 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

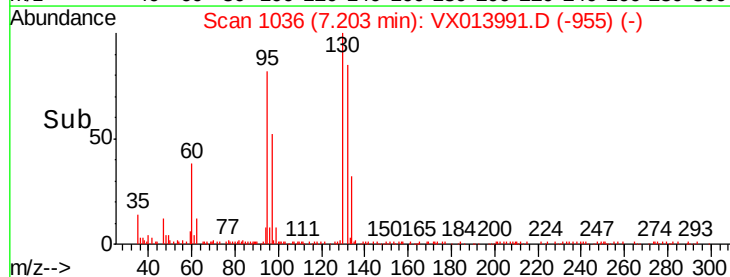
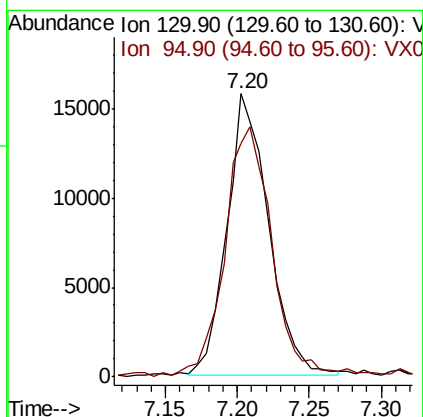
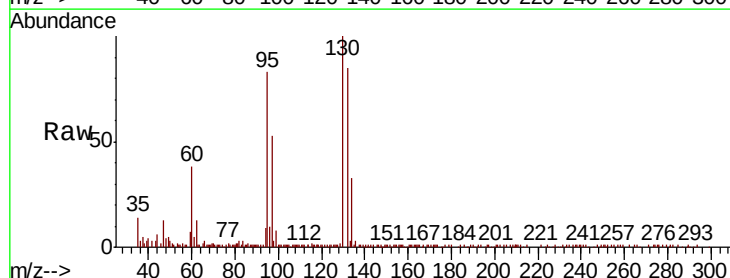
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

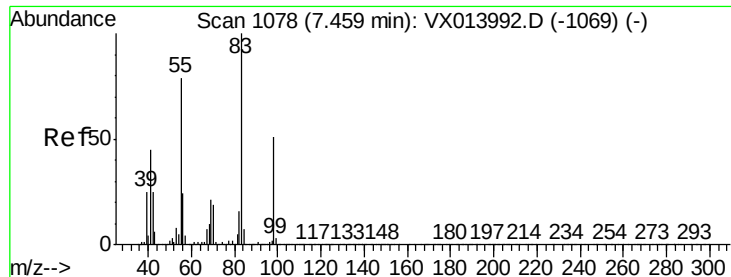
Tot Ion:	41	Resp:	21460
Ion	Ratio	Lower	Upper
41	100		
39	49.8	26.7	80.1
67	60.1	31.5	94.5
52	22.3	12.8	38.4



#37
Trichloroethene
Concen: 4.954 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion:	130	Resp:	31595
Ion	Ratio	Lower	Upper
130	100		
95	81.1	71.7	107.5

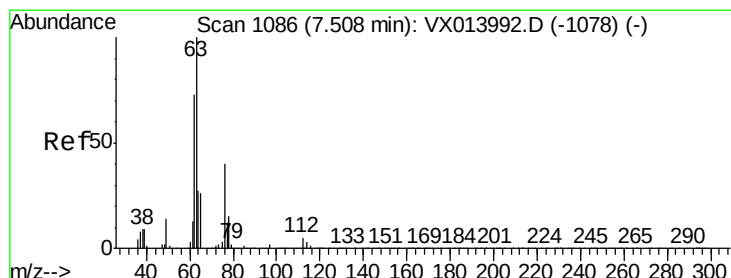
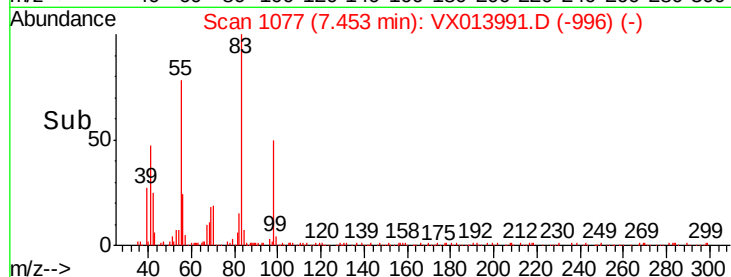
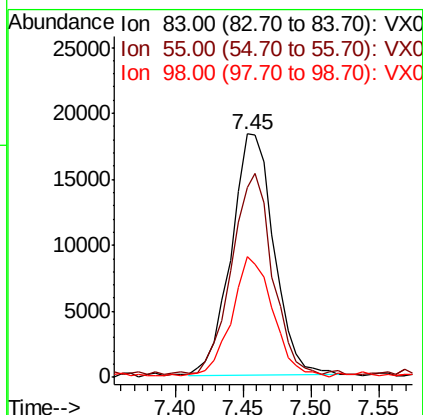
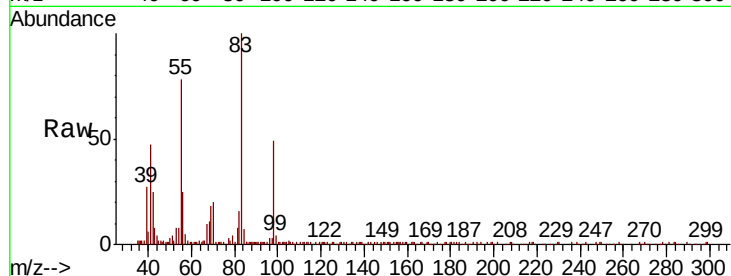




#38
Methylcyclohexane
Concen: 4.191 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

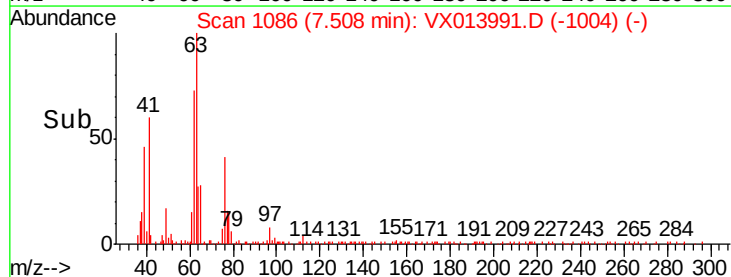
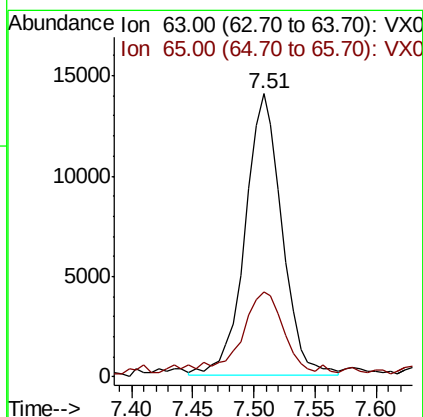
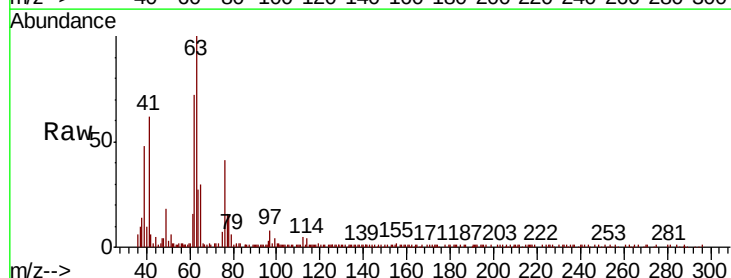
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

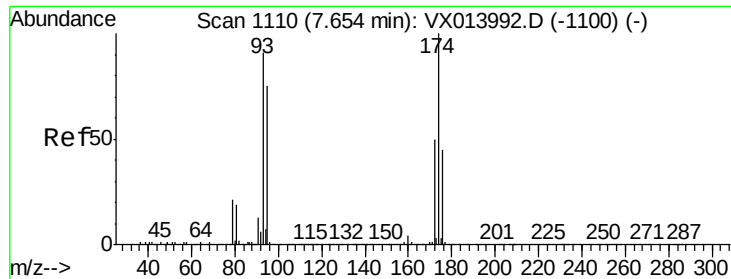
Tot Ion	83	Resp	39756
Ion	Ratio	Lower	Upper
83	100		
55	79.6	39.4	118.1
98	49.1	25.1	75.3



#39
1,2-Dichloropropane
Concen: 4.780 ug/l
RT: 7.51 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	63	Resp	29369
Ion	Ratio	Lower	Upper
63	100		
65	28.9	22.1	33.1





#40

Dibromomethane

Concen: 4.556 ug/l

RT: 7.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

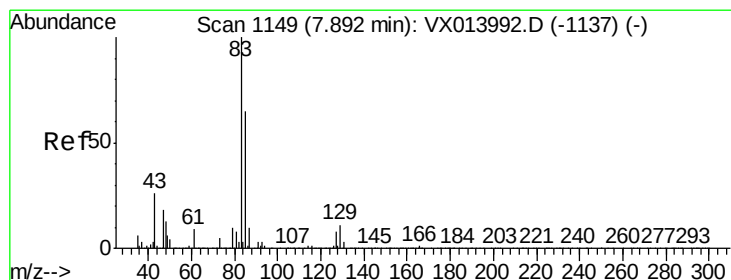
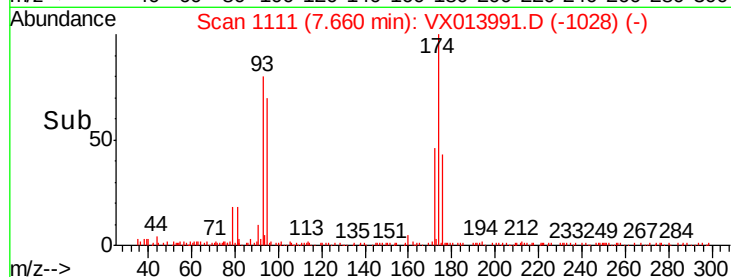
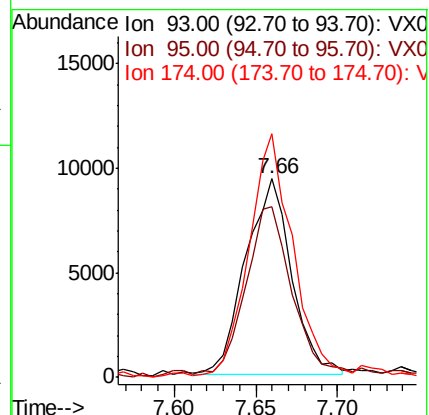
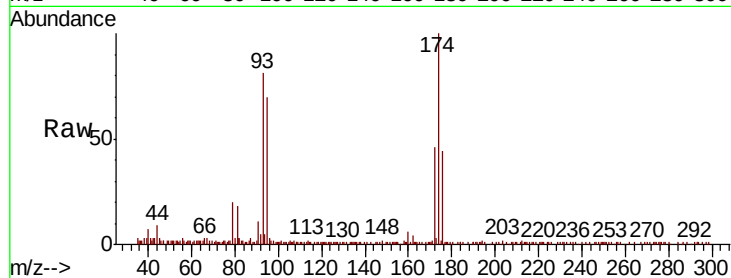
Tot Ion: 93 Resp: 18470

Ion Ratio Lower Upper

93 100

95 84.7 0.0 164.4

174 116.6 0.0 228.8



#41

Bromodichloromethane

Concen: 4.200 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

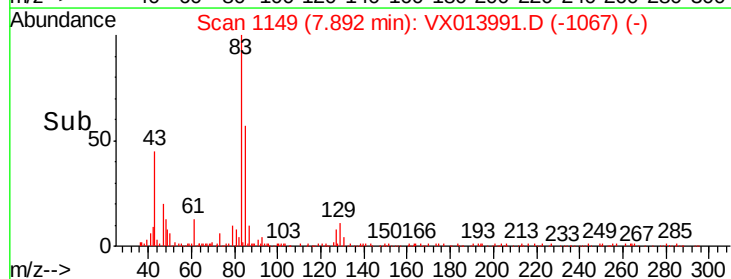
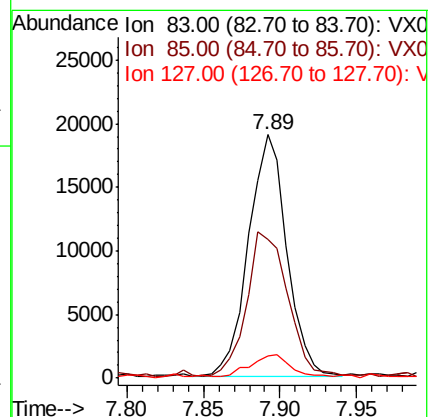
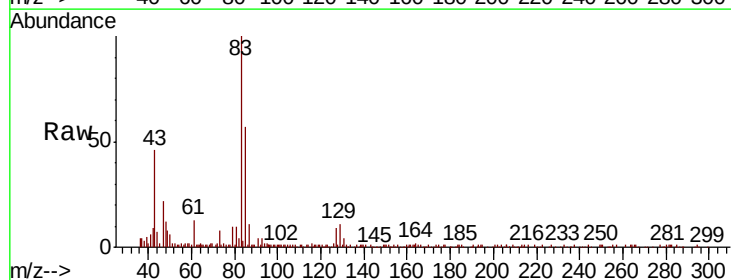
Tgt Ion: 83 Resp: 32981

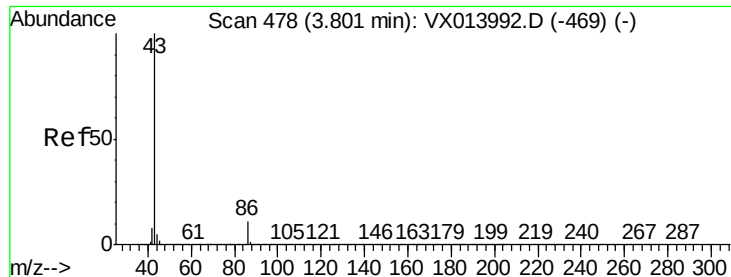
Ion Ratio Lower Upper

83 100

85 56.1 51.6 77.4

127 8.3 6.0 9.0





#42

Vinyl Acetate

Concen: 22.103 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

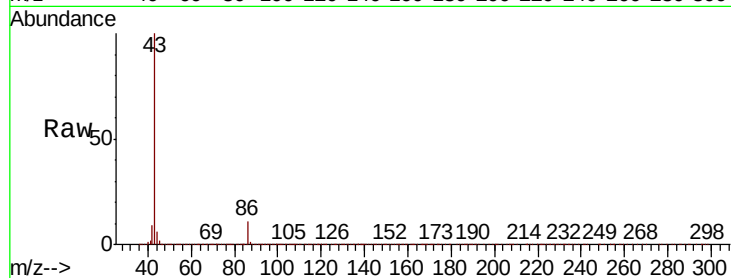
VSTDIC005

Tot Ion: 43 Resp: 358214

Ion Ratio Lower Upper

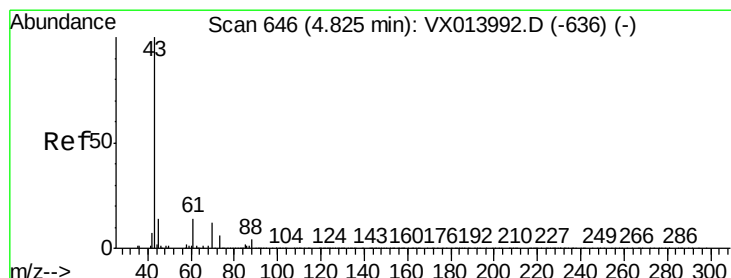
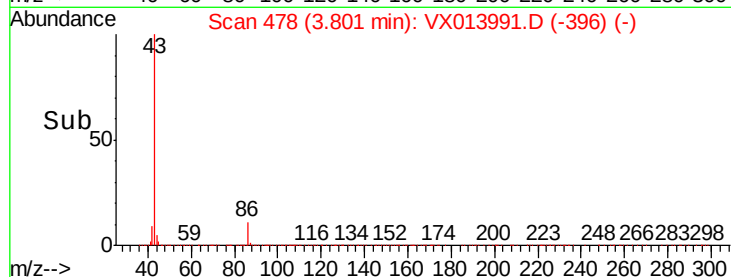
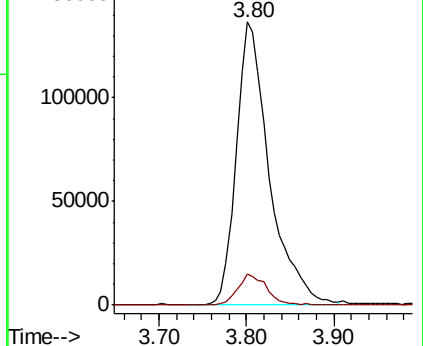
43 100

86 9.6 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#43

Ethyl Acetate

Concen: 4.174 ug/l

RT: 4.83 min Scan# 646

Delta R.T. -0.00 min

Lab File: VX013991.D

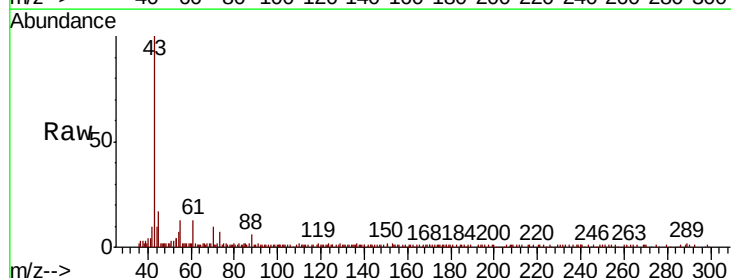
Acq: 12 Dec 2019 22:11

Tgt Ion: 43 Resp: 38462

Ion Ratio Lower Upper

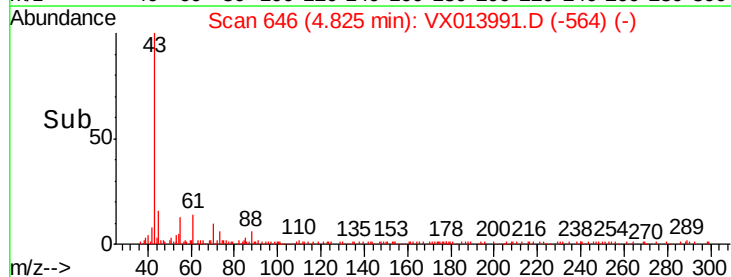
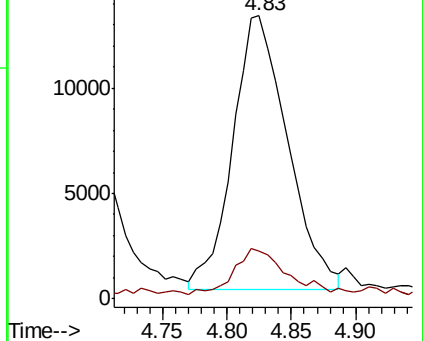
43 100

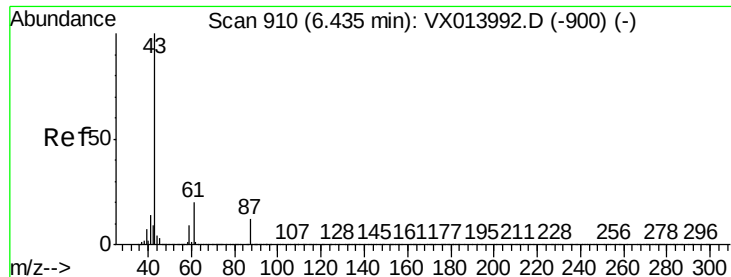
45 13.5 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#44

Isopropyl Acetate

Concen: 4.544 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

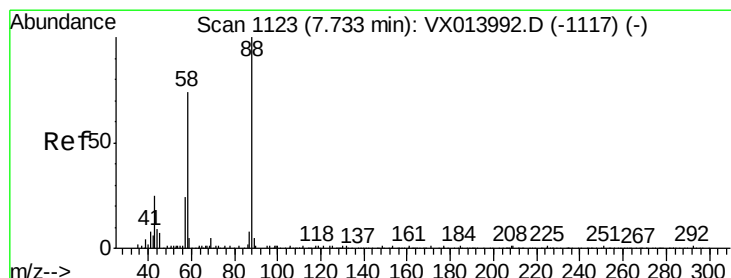
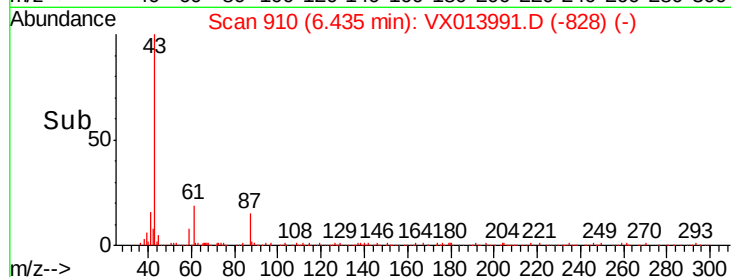
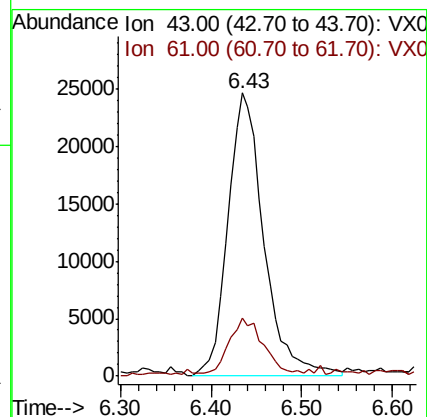
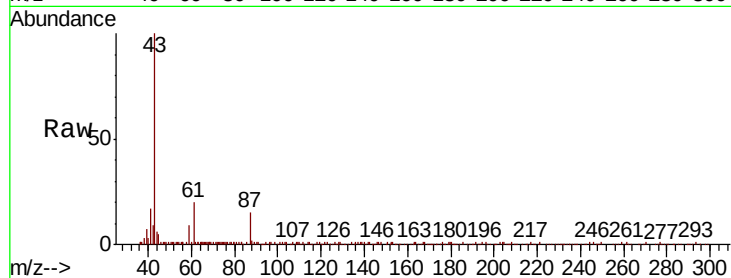
VSTDIC005

Tot Ion: 43 Resp: 67901

Ion Ratio Lower Upper

43 100

61 19.0 15.9 23.9



#45

1,4-Dioxane

Concen: 72.136 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

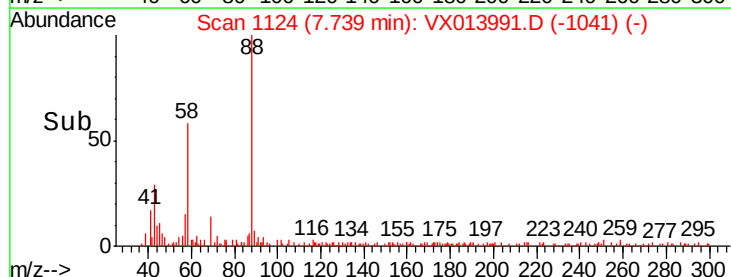
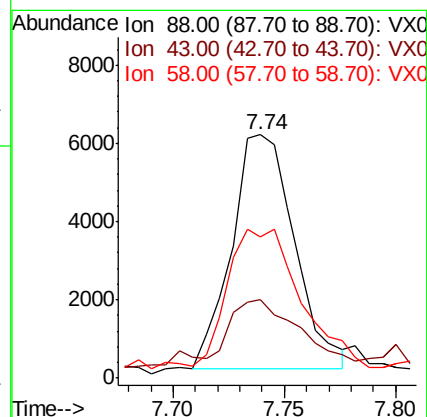
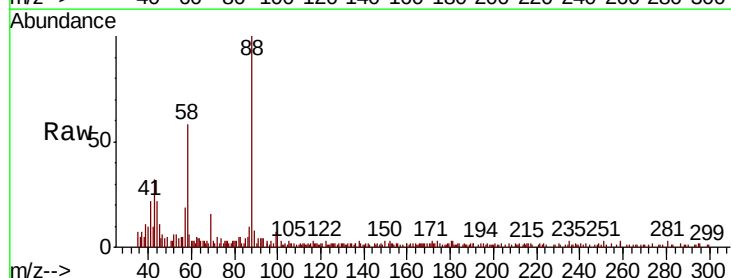
Tgt Ion: 88 Resp: 11738

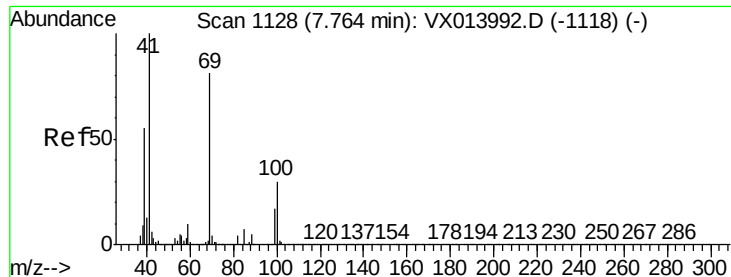
Ion Ratio Lower Upper

88 100

43 26.4 25.4 38.2

58 71.8 56.5 84.7





#46

Methyl methacrylate

Concen: 3.995 ug/l

RT: 7.77 min Scan# 1129

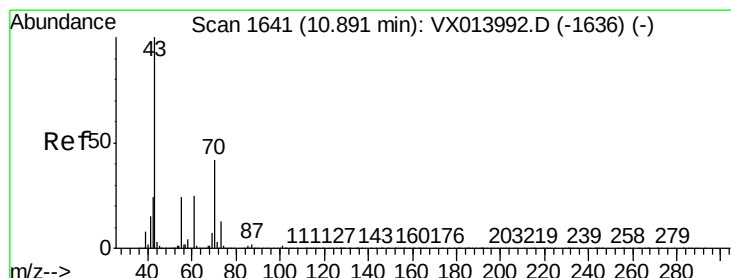
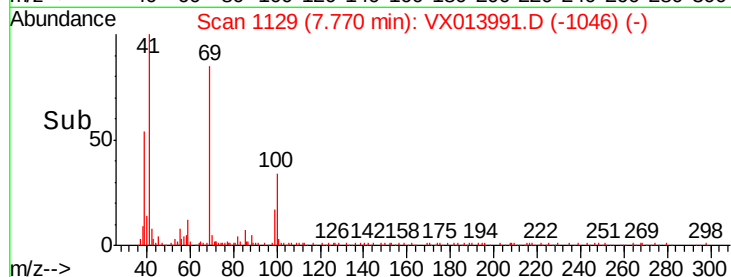
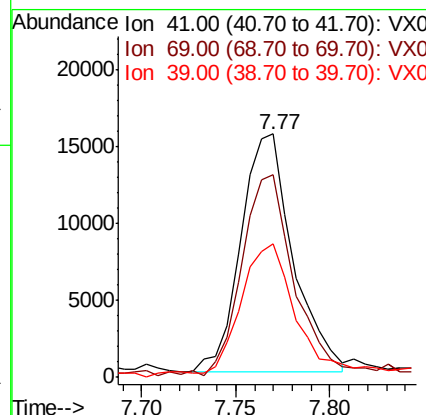
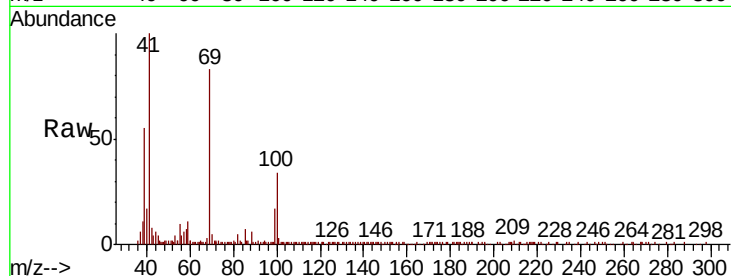
Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	29731
Ion	Ratio	Lower	Upper
41	100		
69	82.2	40.6	122.0
39	54.0	27.8	83.3



#47

n-amyl Acetate

Concen: 3.787 ug/l

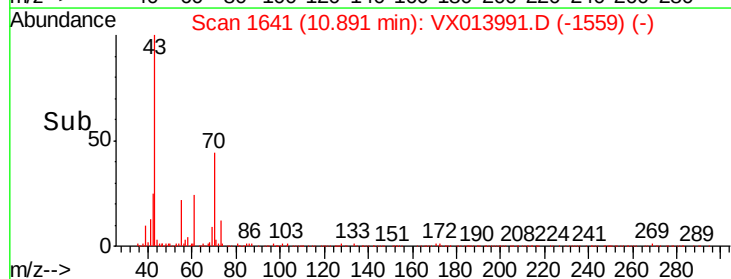
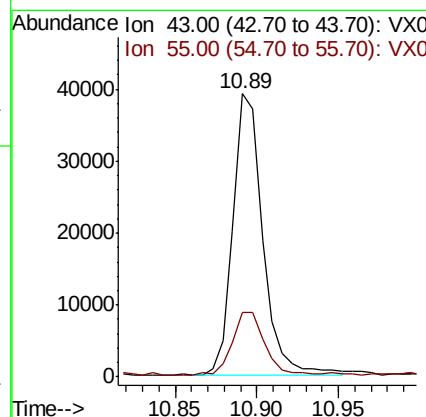
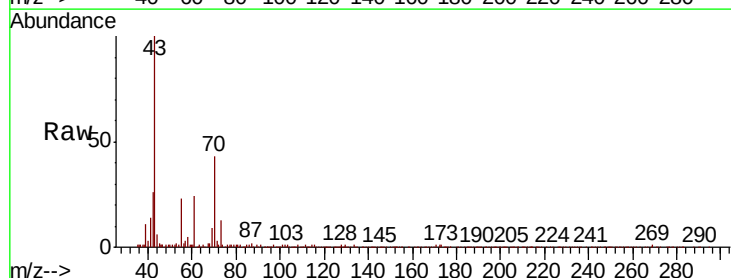
RT: 10.89 min Scan# 1641

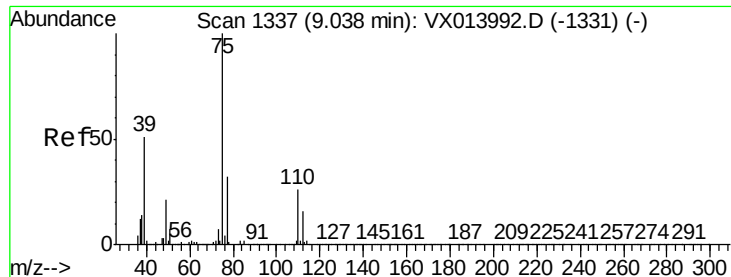
Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion:	43	Resp:	49964
Ion	Ratio	Lower	Upper
43	100		
55	24.1	19.4	29.2





#48

t-1,3-Dichloropropene

Concen: 3.792 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

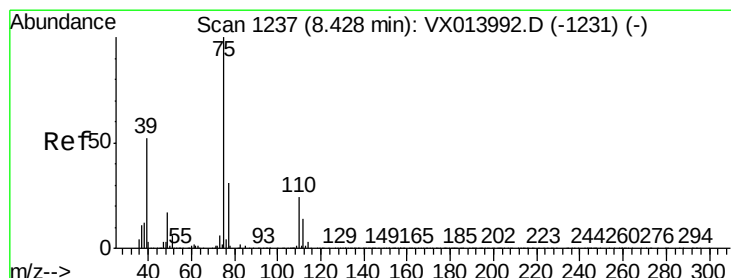
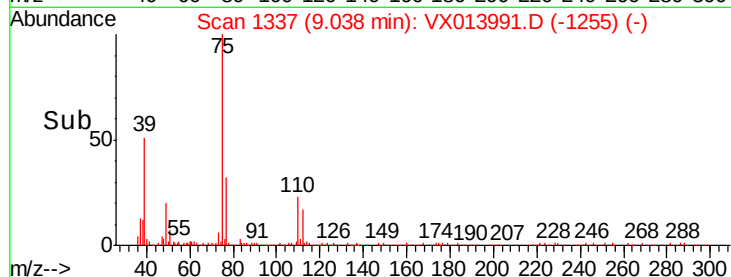
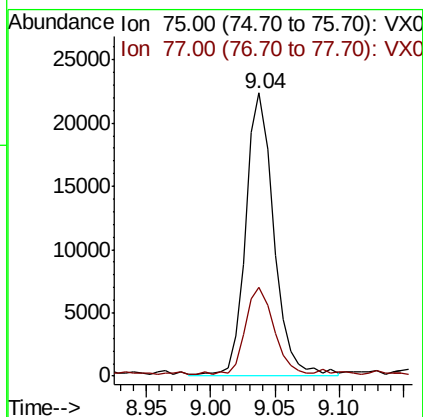
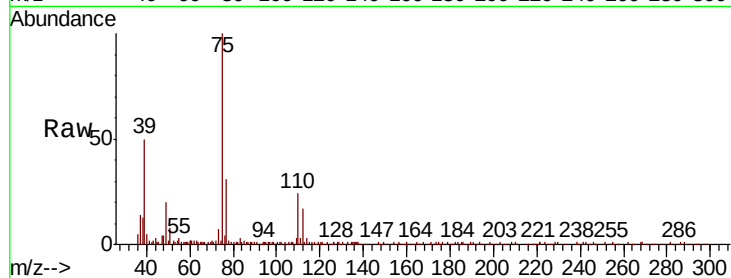
VSTDIC005

Tot Ion: 75 Resp: 33314

Ion Ratio Lower Upper

75 100

77 30.6 26.0 39.0



#49

cis-1,3-Dichloropropene

Concen: 4.049 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

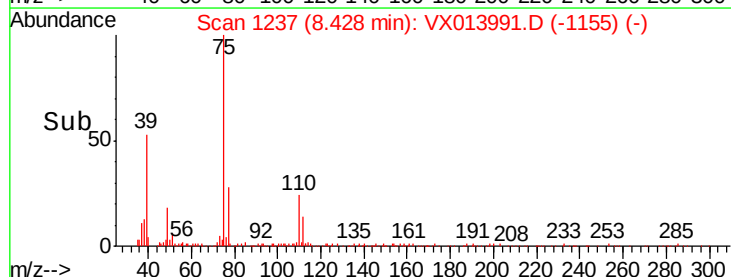
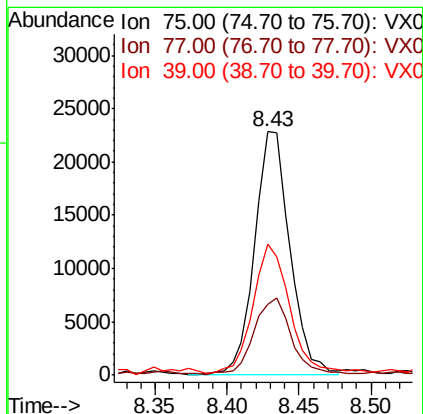
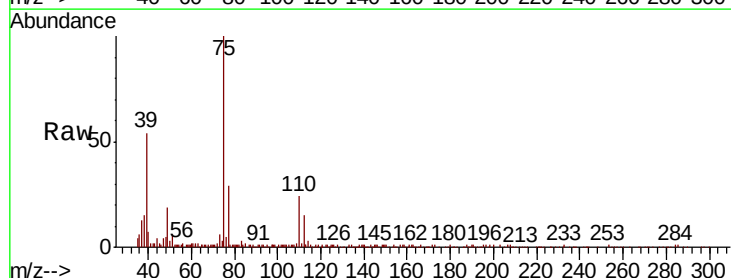
Tgt Ion: 75 Resp: 39120

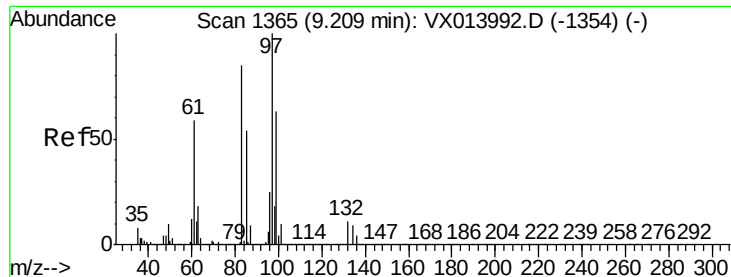
Ion Ratio Lower Upper

75 100

77 28.0 24.8 37.2

39 51.7 41.1 61.7

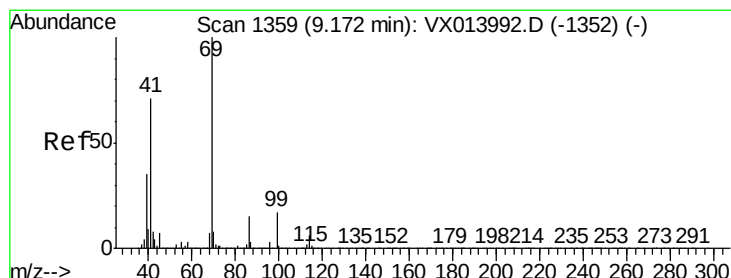
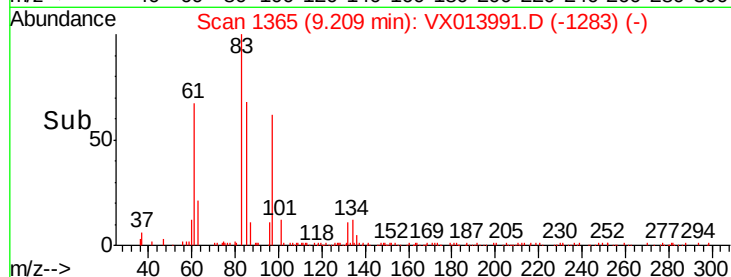
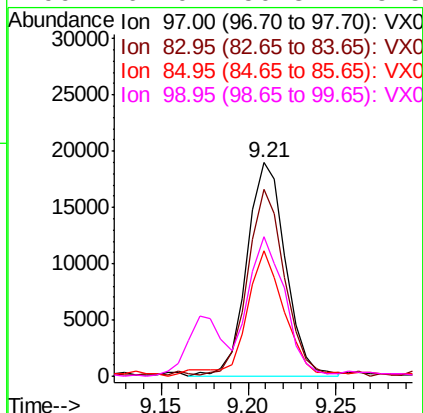
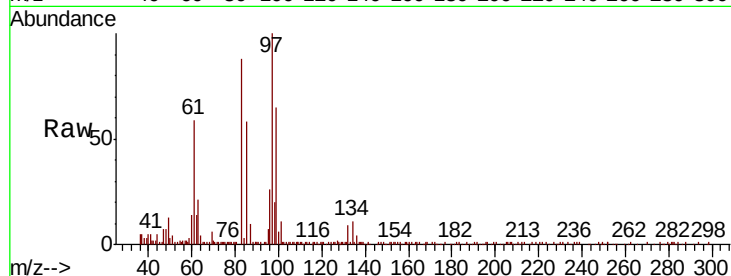




#50
1,1,2-Trichloroethane
Concen: 4.841 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

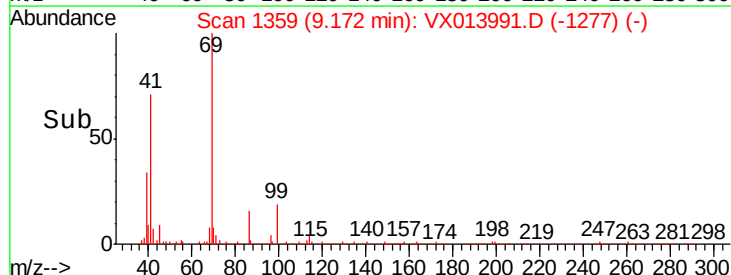
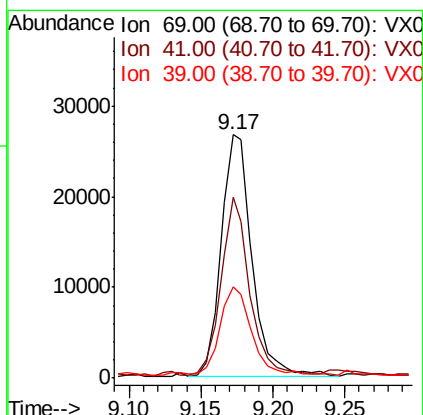
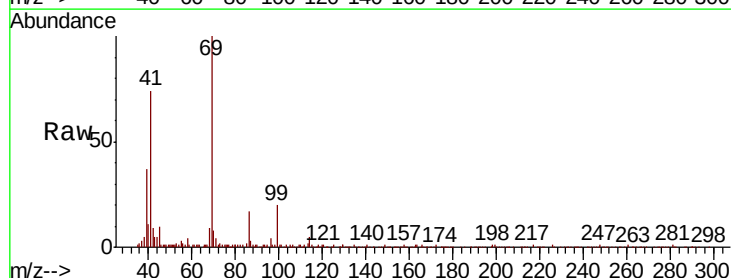
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

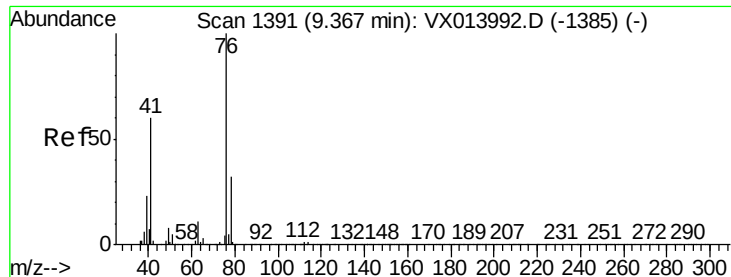
Tot Ion:	97	Resp:	29204
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.1	102.1
85	56.7	42.7	64.1
99	64.0	50.3	75.5



#51
Ethyl methacrylate
Concen: 4.070 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion:	69	Resp:	40313
Ion	Ratio	Lower	Upper
69	100		
41	72.4	35.4	106.1
39	36.2	17.8	53.3





#52

1,3-Dichloropropane

Concen: 4.730 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

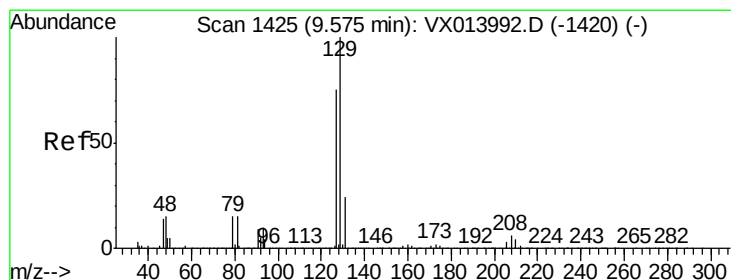
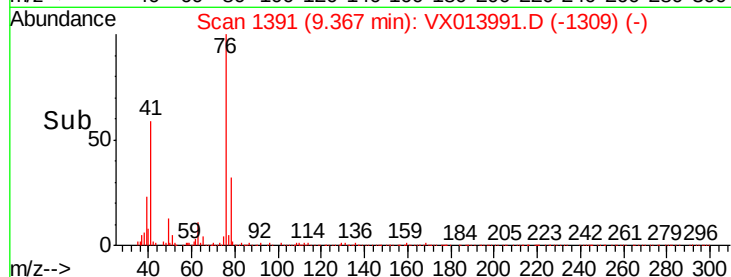
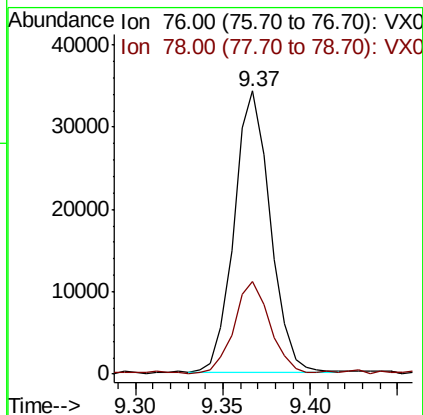
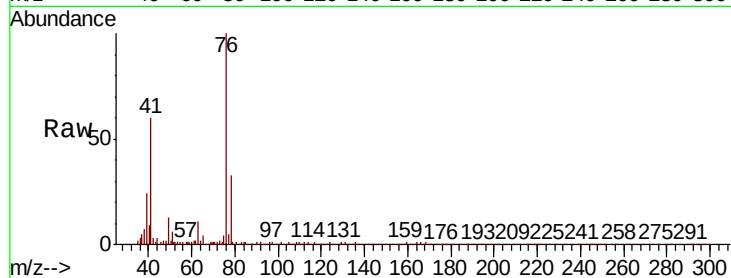
VSTDIC005

Tot Ion: 76 Resp: 48817

Ion Ratio Lower Upper

76 100

78 32.1 0.0 63.4



#53

Dibromochloromethane

Concen: 3.738 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX013991.D

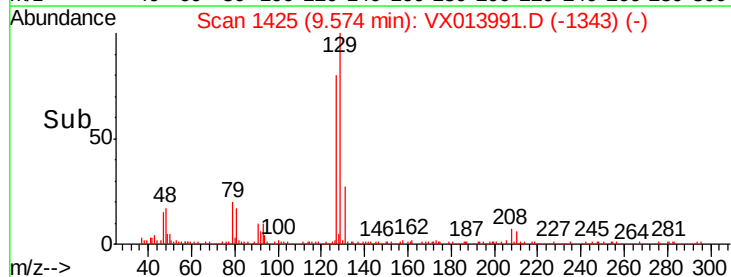
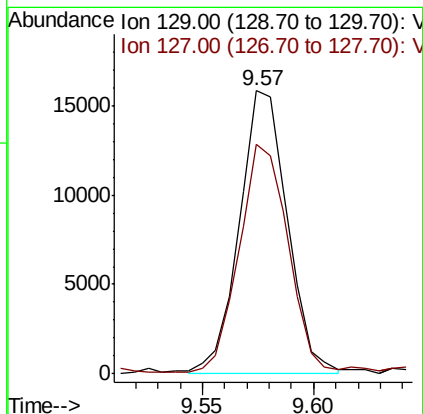
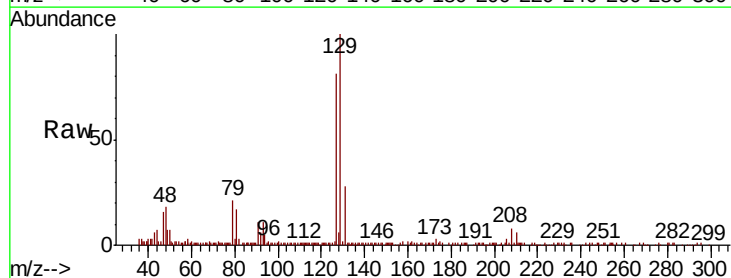
Acq: 12 Dec 2019 22:11

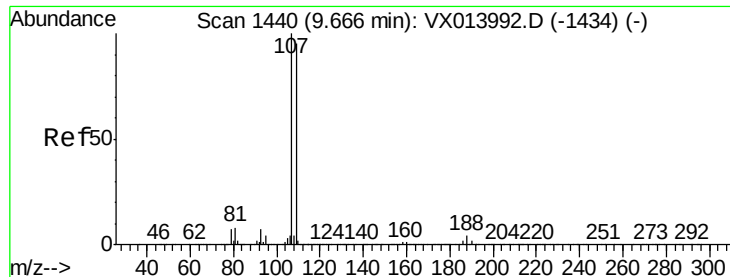
Tgt Ion: 129 Resp: 23628

Ion Ratio Lower Upper

129 100

127 83.2 39.1 117.5

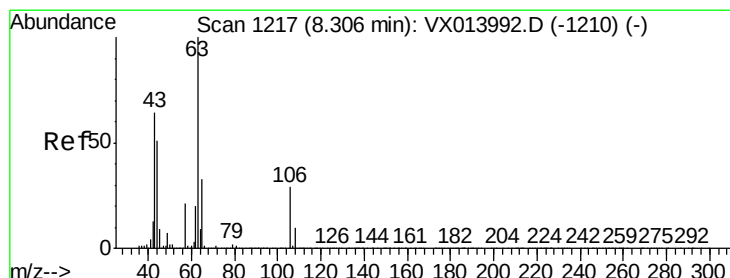
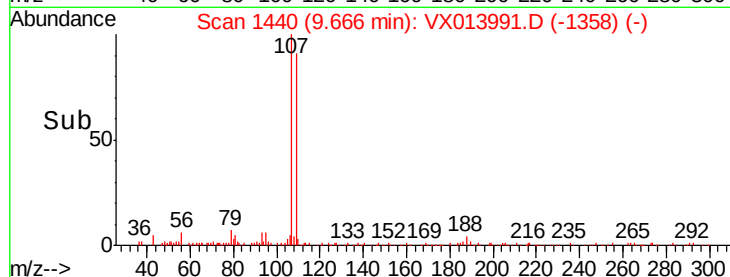
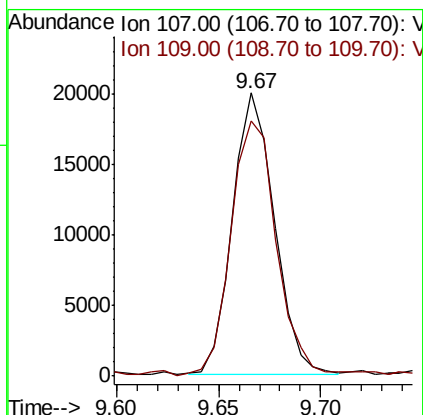
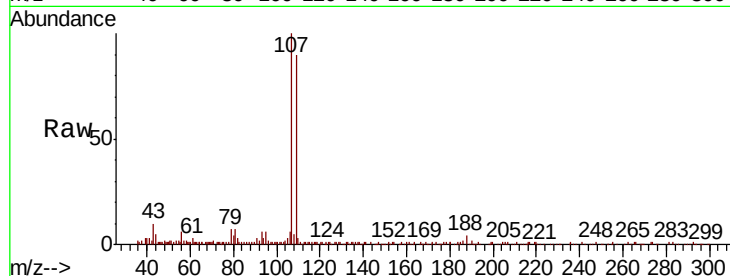




#54
 1,2-Dibromoethane
 Concen: 4.454 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

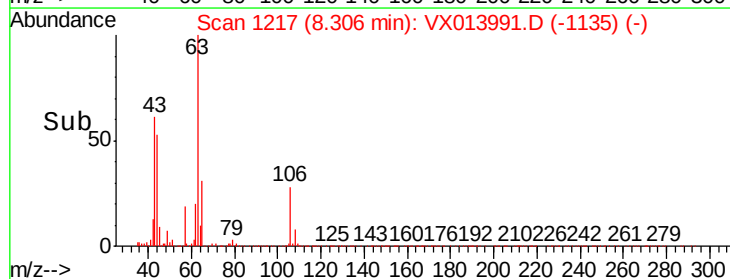
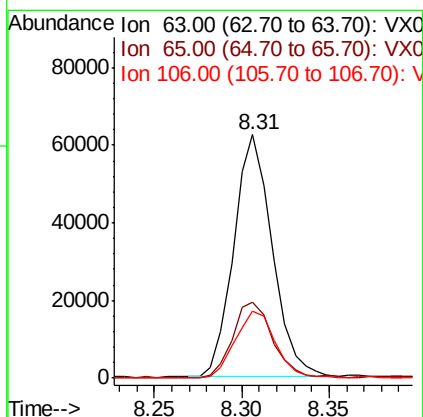
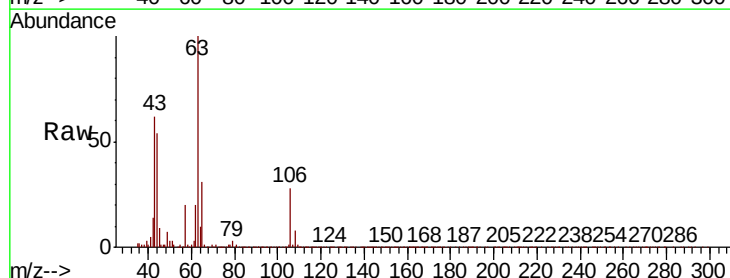
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

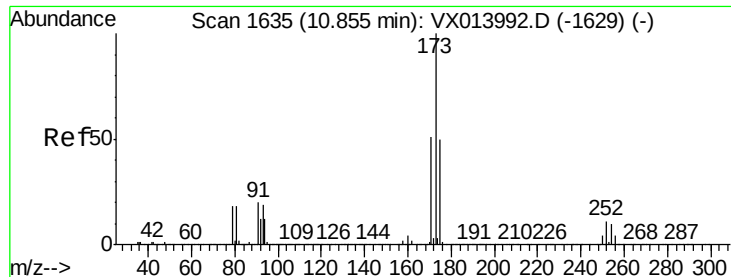
Tot Ion:107 Resp: 28457
 Ion Ratio Lower Upper
 107 100
 109 98.2 77.2 115.8



#55
 2-Chloroethyl vinyl ether
 Concen: 22.621 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Tgt Ion: 63 Resp: 95876
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.8 38.6
 106 28.8 22.9 34.3





#56

Bromoform

Concen: 3.469 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

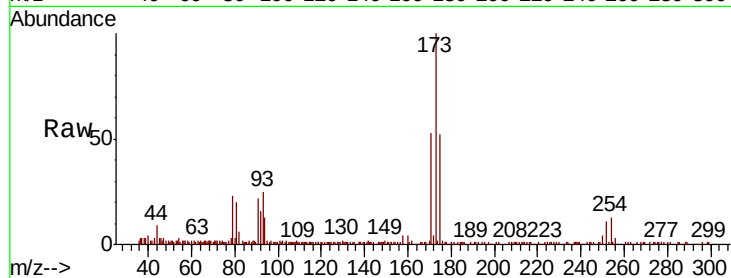
Tot Ion:173 Resp: 17387

Ion Ratio Lower Upper

173 100

175 51.5 39.5 59.3

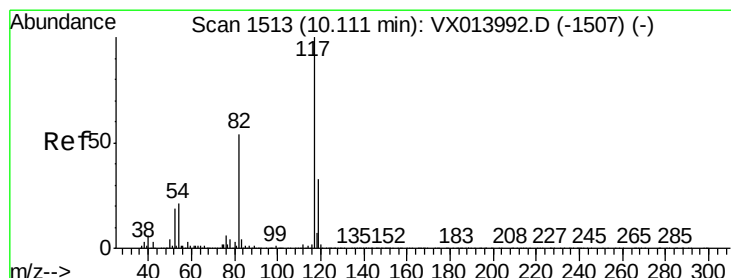
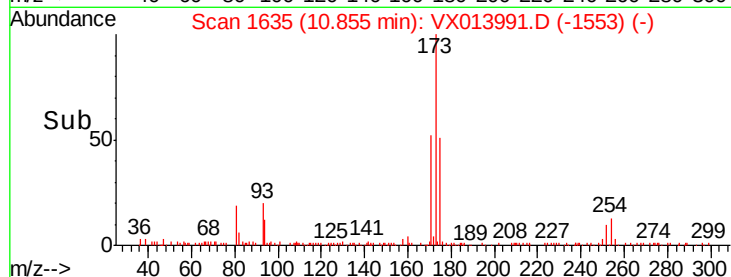
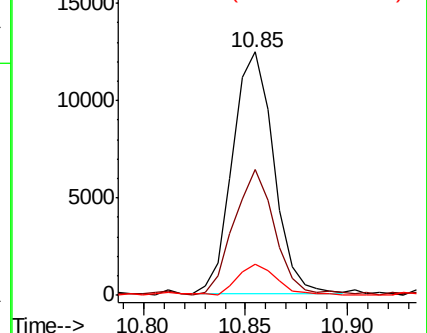
254 12.4 8.2 12.4#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

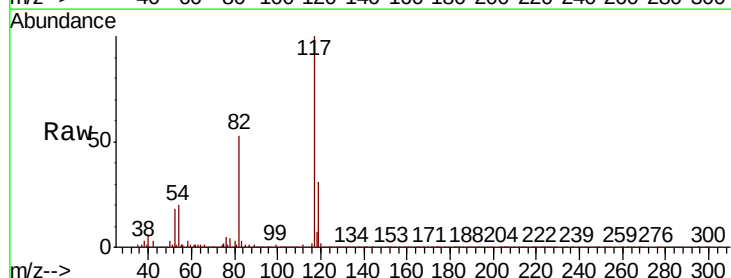
Tgt Ion:117 Resp: 457218

Ion Ratio Lower Upper

117 100

82 54.1 43.8 65.6

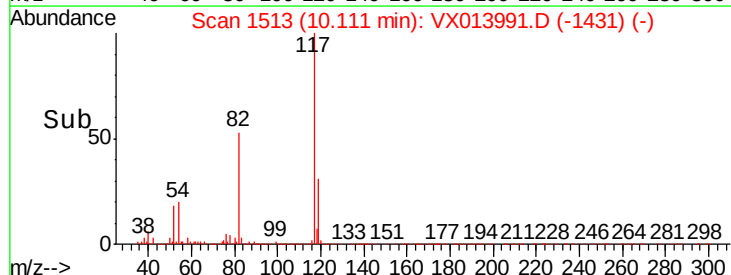
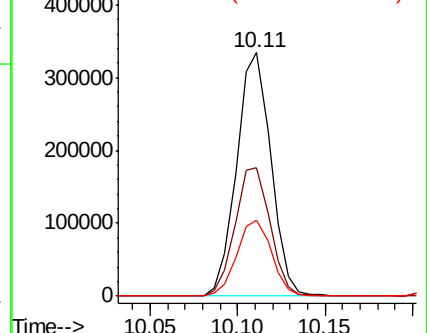
119 31.7 25.8 38.6

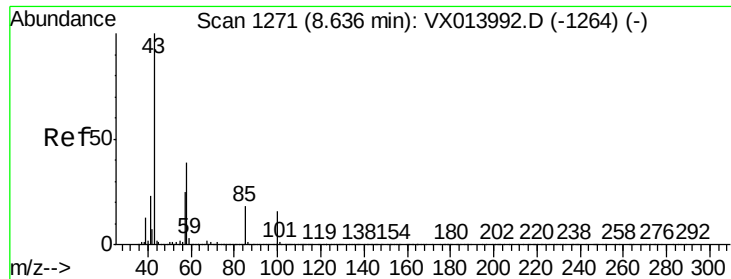


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

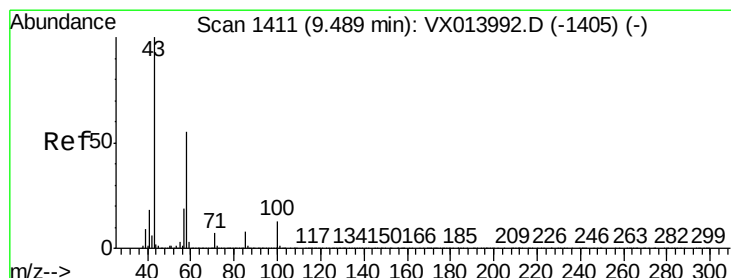
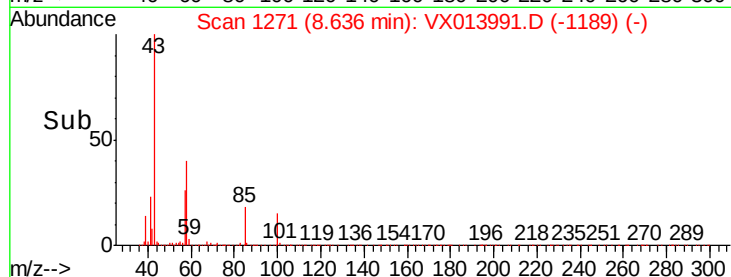
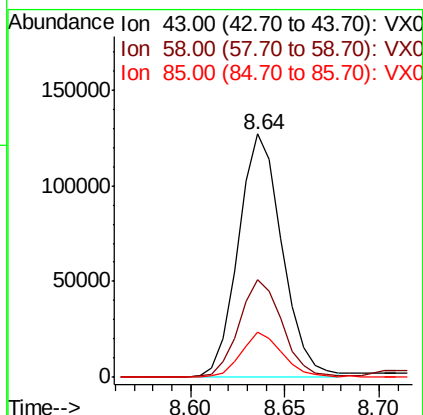
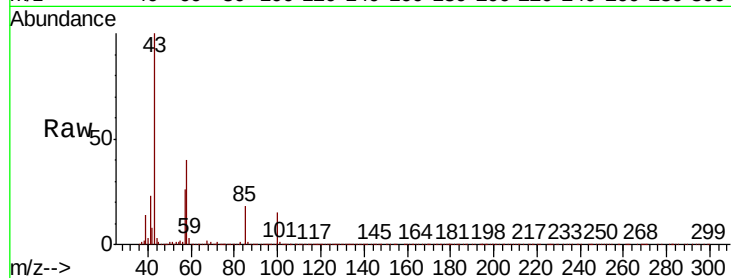




#58
4-Methyl-2-Pentanone
Concen: 21.625 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

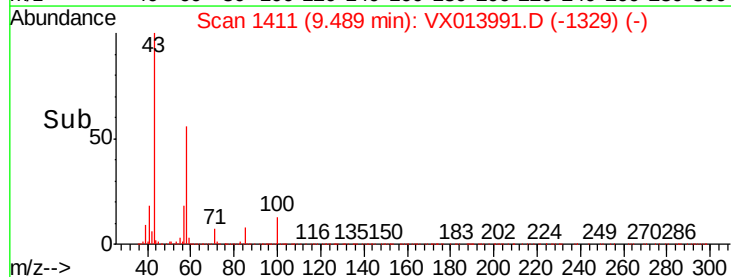
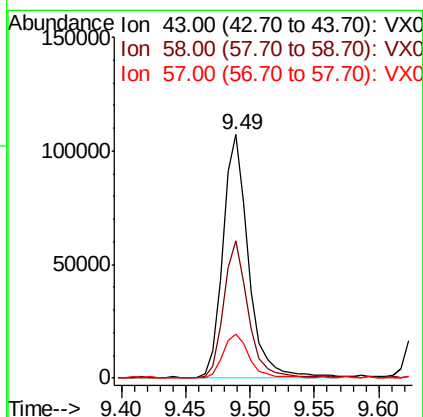
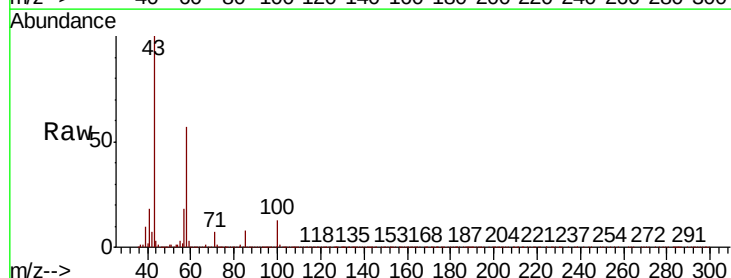
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

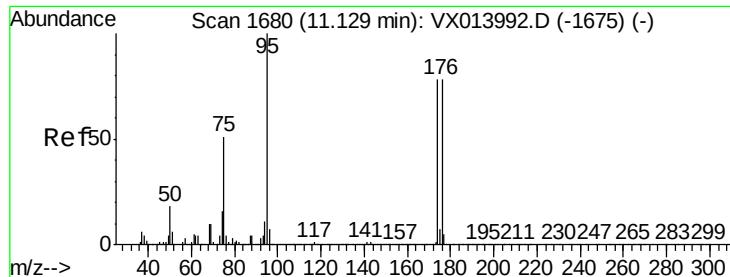
Tot Ion:	43	Resp:	203165
Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.2	46.8
85	17.4	14.2	21.2



#59
2-Hexanone
Concen: 20.160 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion:	43	Resp:	148236
Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.8	65.6
57	18.7	15.4	23.0





#60

4-Bromofluorobenzene

Concen: 28.648 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

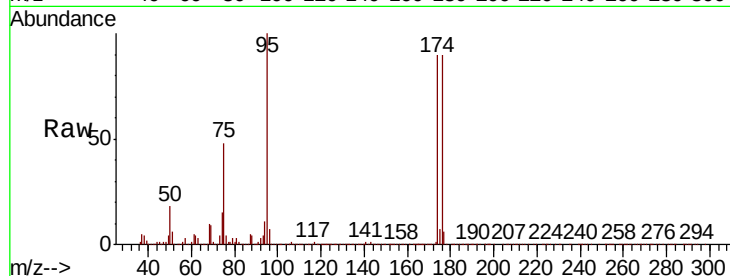
Tot Ion: 95 Resp: 211234

Ion Ratio Lower Upper

95 100

174 88.4 70.2 105.2

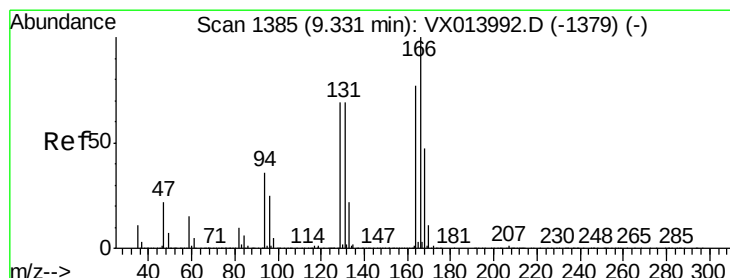
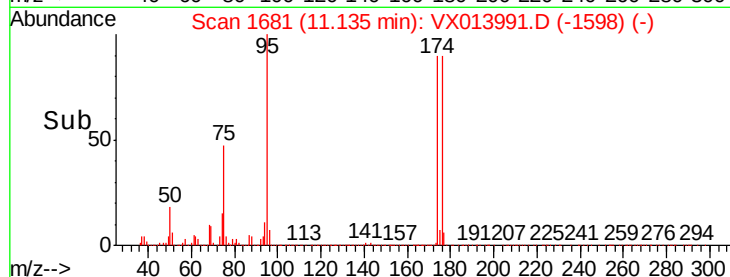
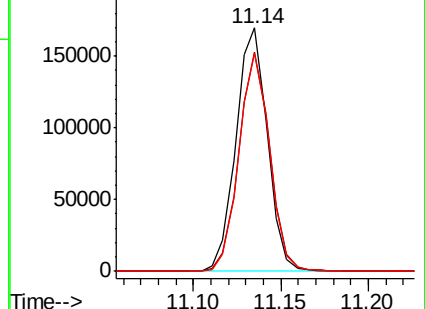
176 87.5 68.3 102.5



Abundance Ion 95.00 (94.70 to 95.70): VX013991.D (-1675) (-)

Ion 174.00 (173.70 to 174.70): VX013991.D (-1675) (-)

Ion 176.00 (175.70 to 176.70): VX013991.D (-1675) (-)



#61

Tetrachloroethene

Concen: 5.139 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion: 164 Resp: 29423

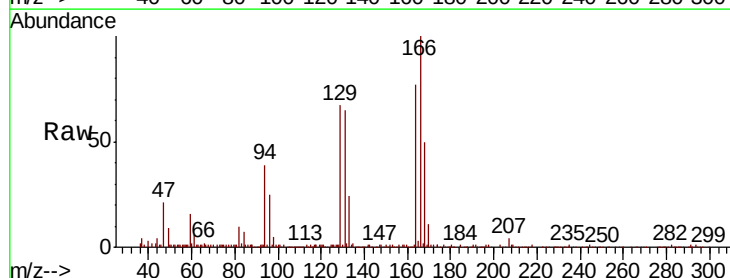
Ion Ratio Lower Upper

164 100

166 129.6 104.2 156.2

129 87.2 71.6 107.4

131 84.5 71.7 107.5

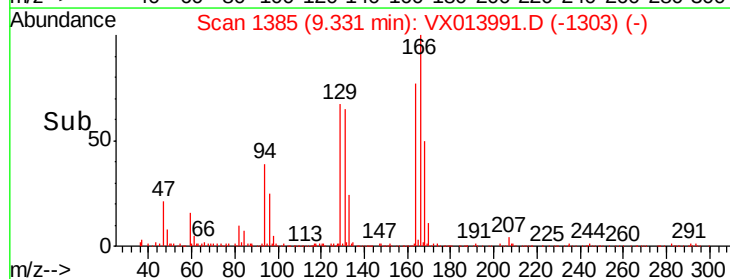
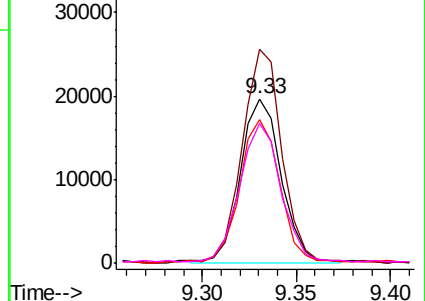


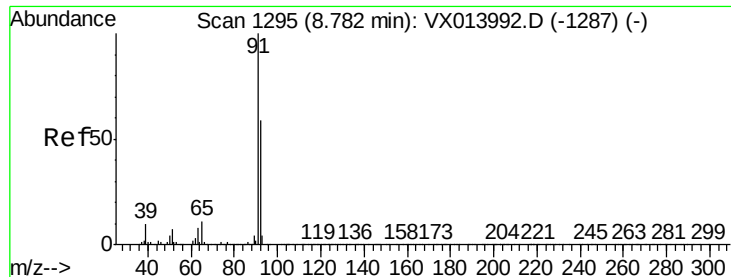
Abundance Ion 163.85 (163.55 to 164.55): VX013991.D (-1379) (-)

Ion 165.80 (165.50 to 166.50): VX013991.D (-1379) (-)

Ion 128.90 (128.60 to 129.60): VX013991.D (-1379) (-)

Ion 130.90 (130.60 to 131.60): VX013991.D (-1379) (-)





#62

Toluene

Concen: 4.788 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

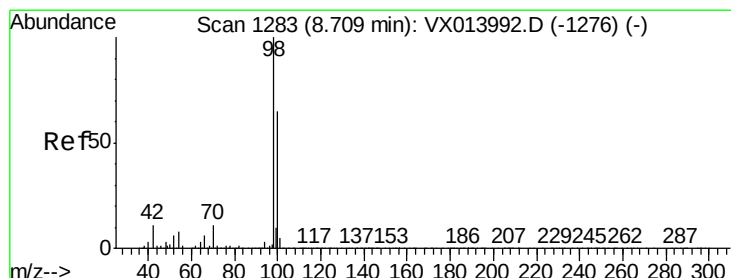
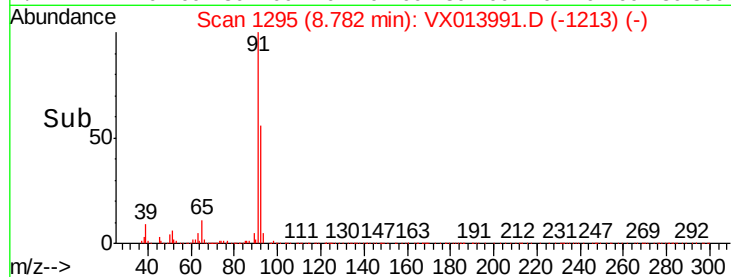
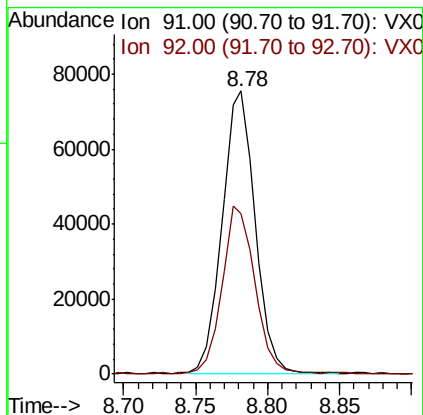
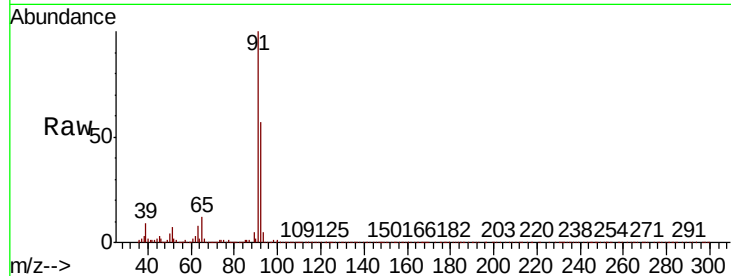
VSTDIC005

Tot Ion: 91 Resp: 121351

Ion Ratio Lower Upper

91 100

92 58.5 46.4 69.6



#63

Toluene-d8

Concen: 30.215 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013991.D

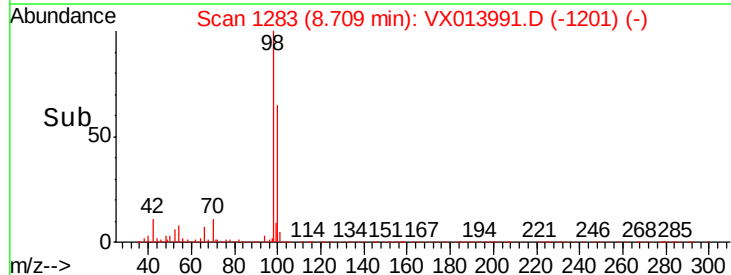
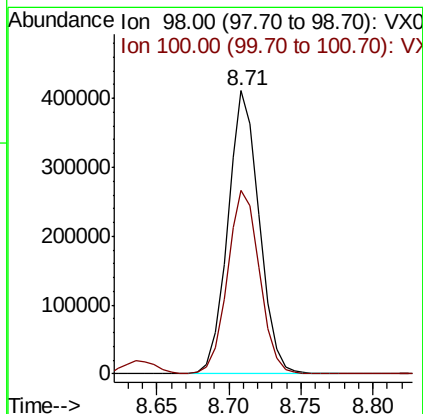
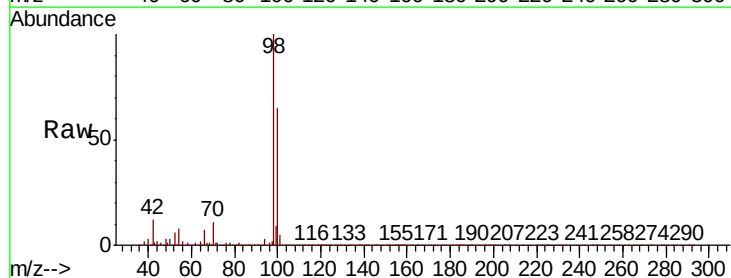
Acq: 12 Dec 2019 22:11

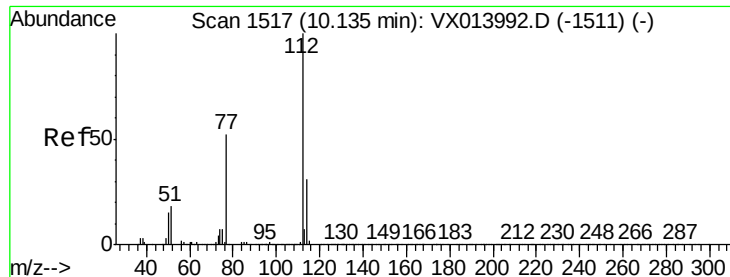
Tgt Ion: 98 Resp: 625280

Ion Ratio Lower Upper

98 100

100 66.4 52.2 78.2





#64

Chlorobenzene

Concen: 4.618 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

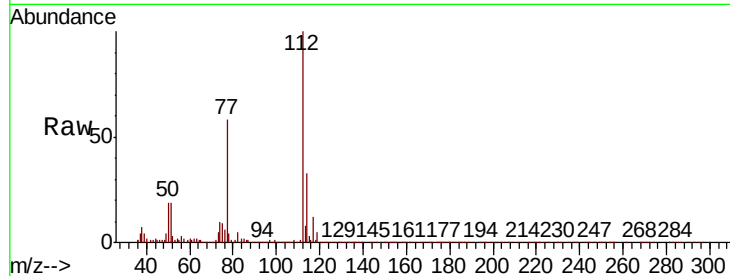
VSTDIC005

Tot Ion:112 Resp: 73568

Ion Ratio Lower Upper

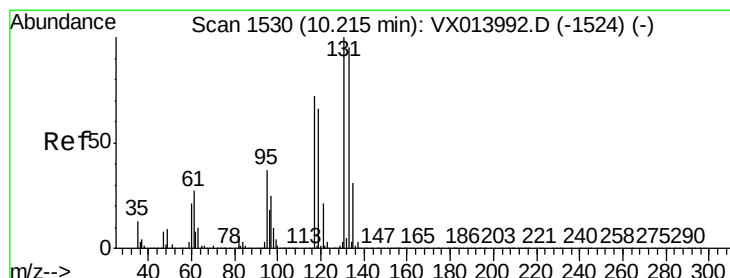
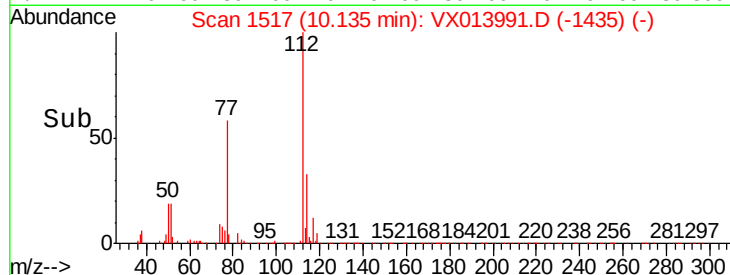
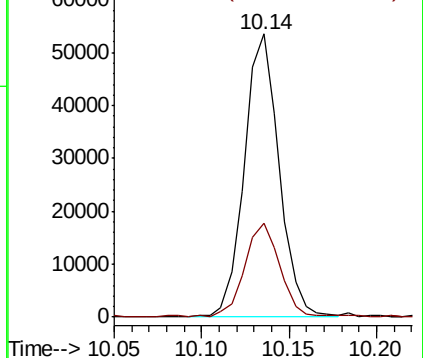
112 100

114 32.9 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 4.590 ug/l

RT: 10.22 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

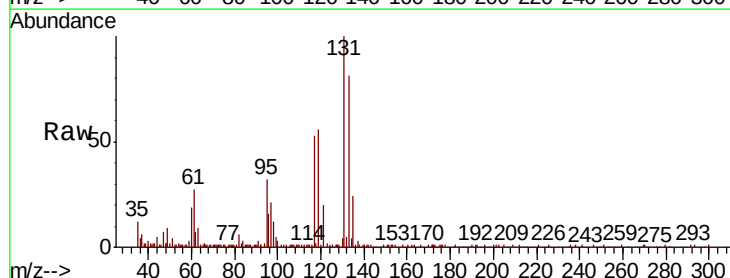
Tgt Ion:131 Resp: 27174

Ion Ratio Lower Upper

131 100

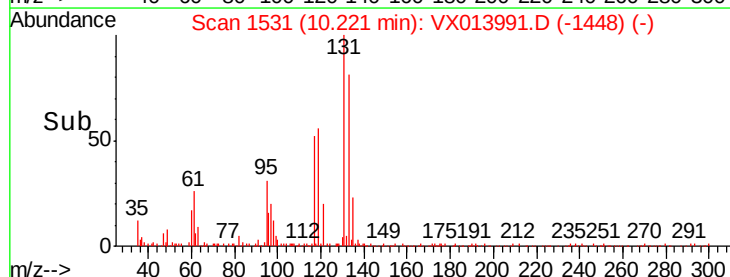
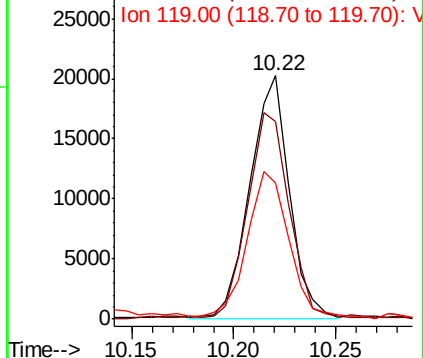
133 88.5 0.0 189.8

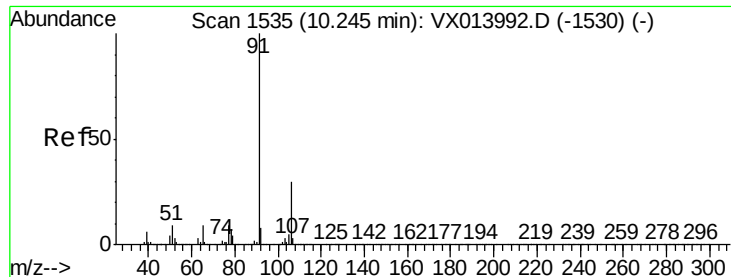
119 65.8 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V





#66

Ethyl Benzene

Concen: 4.464 ug/l

RT: 10.24 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

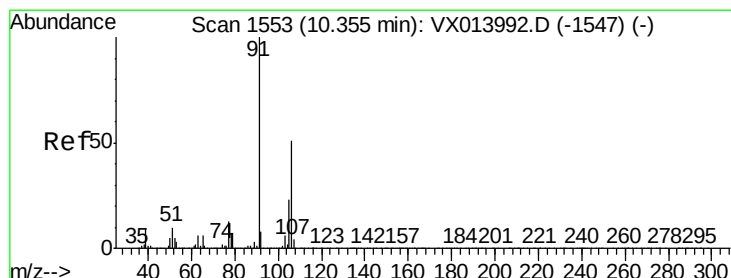
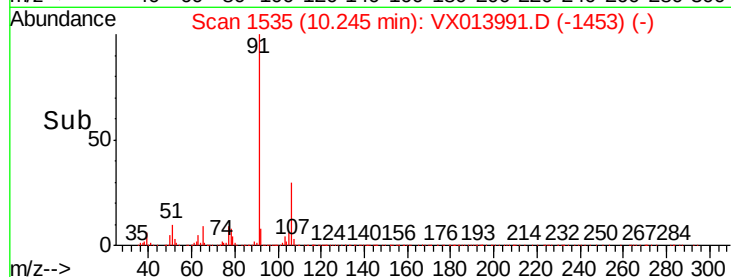
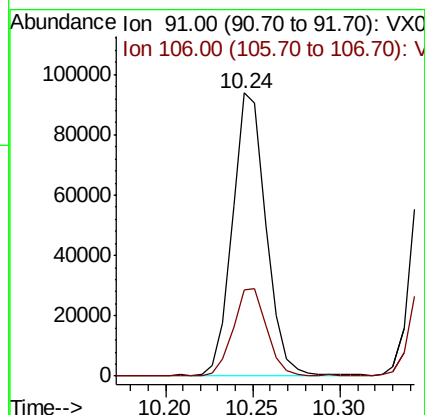
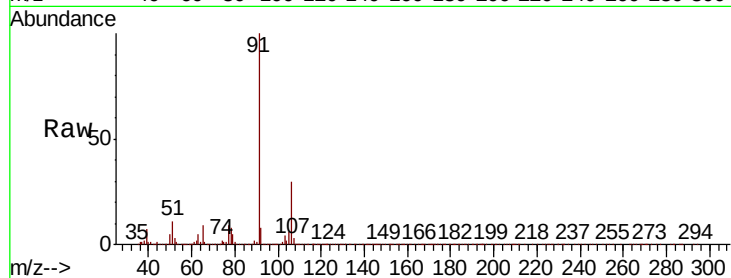
VSTDIC005

Tot Ion: 91 Resp: 124441

Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.2



#67

m/p-Xylenes

Concen: 8.619 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013991.D

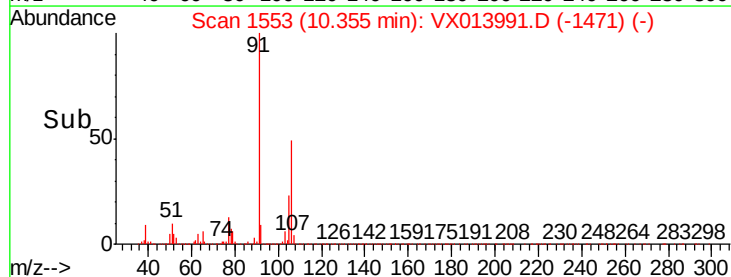
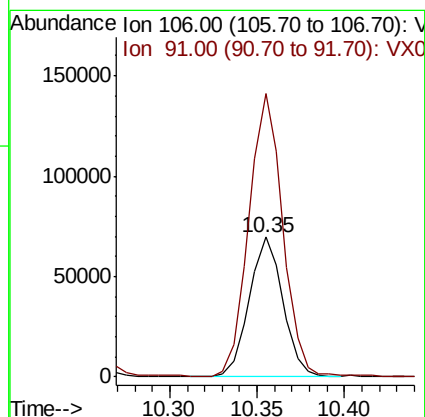
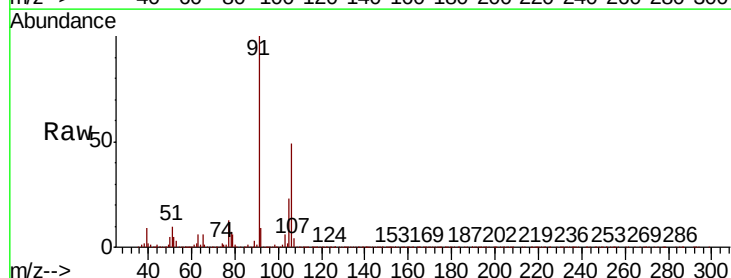
Acq: 12 Dec 2019 22:11

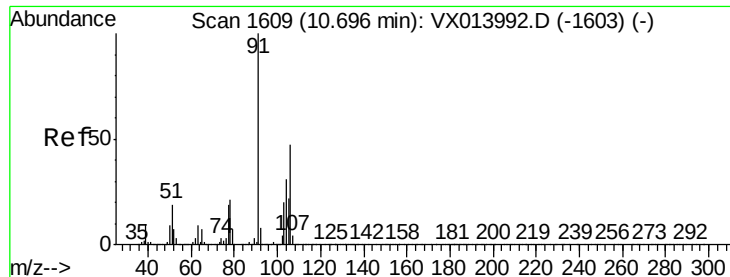
Tgt Ion: 106 Resp: 92772

Ion Ratio Lower Upper

106 100

91 204.4 159.3 238.9

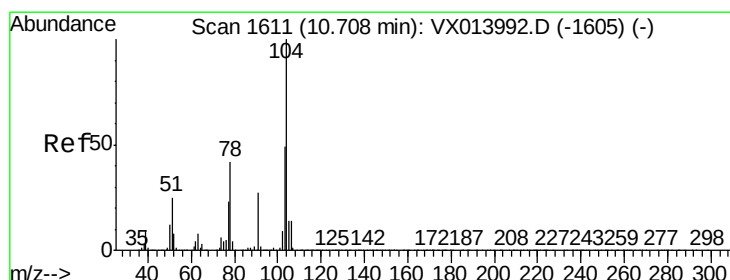
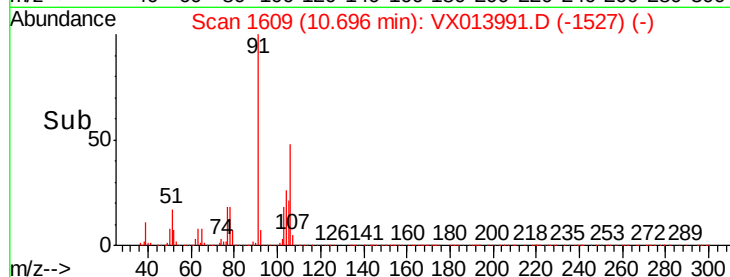
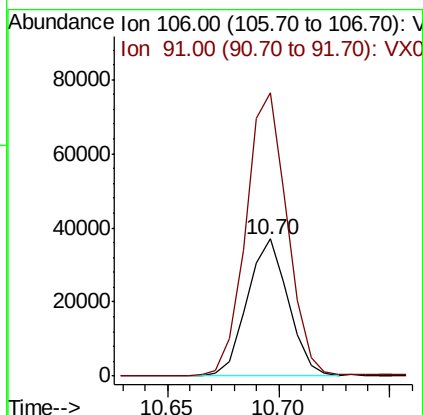
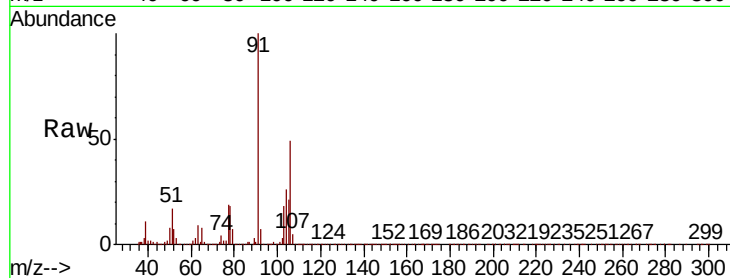




#68
o-Xylene
Concen: 4.543 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

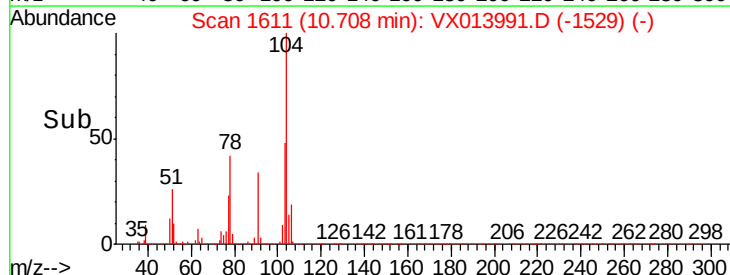
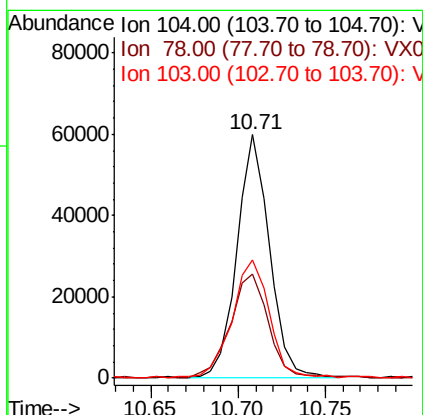
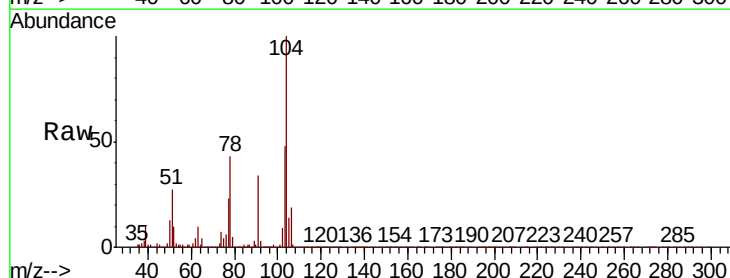
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

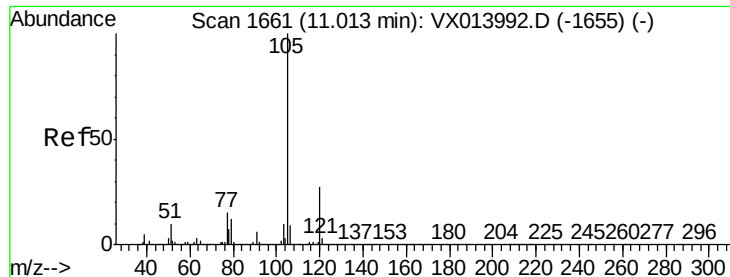
Tot Ion:106 Resp: 47437
Ion Ratio Lower Upper
106 100
91 207.5 104.8 314.6



#69
Styrene
Concen: 4.355 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion:104 Resp: 77171
Ion Ratio Lower Upper
104 100
78 50.1 38.9 58.3
103 54.8 44.2 66.2





#70

Isopropylbenzene

Concen: 4.425 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

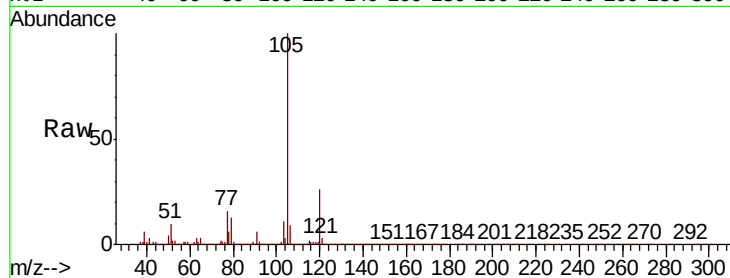
VSTDIC005

Tot Ion:105 Resp: 120878

Ion Ratio Lower Upper

105 100

120 26.8 19.1 35.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

100000

80000

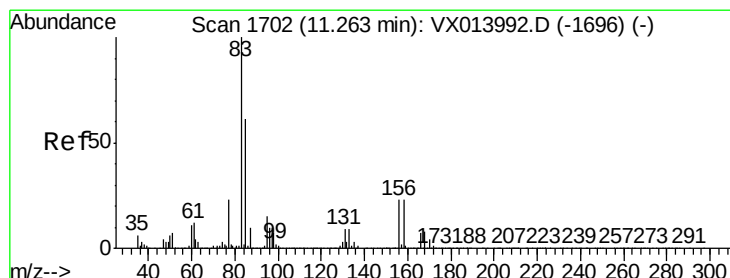
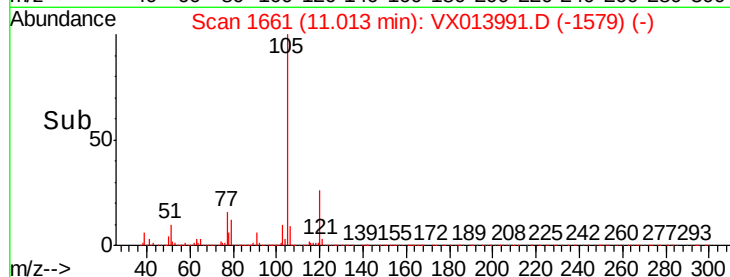
60000

40000

20000

0

Time--> 10.95 11.00 11.05



#71

1,1,2,2-Tetrachloroethane

Concen: 4.594 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

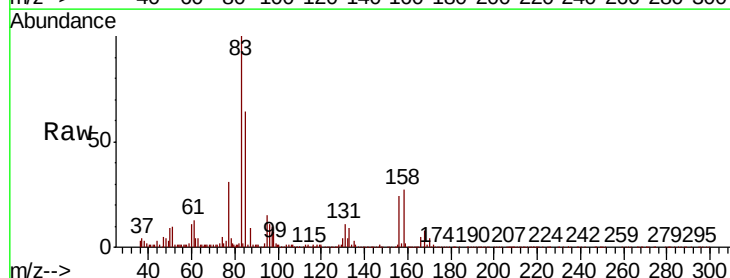
Tgt Ion: 83 Resp: 44896

Ion Ratio Lower Upper

83 100

131 11.3 4.9 14.7

85 65.7 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0

50000

40000

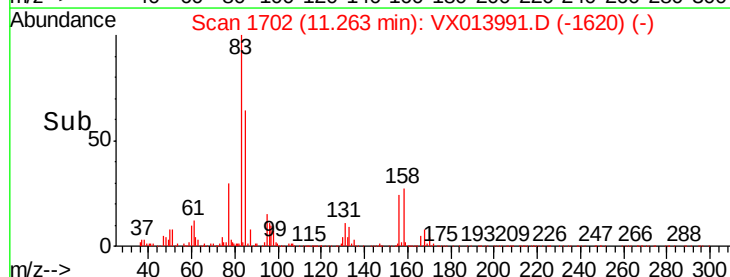
30000

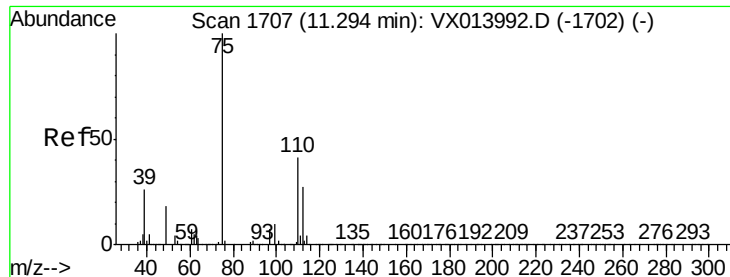
20000

10000

0

Time--> 11.20 11.25 11.30





#72

1,2,3-Trichloropropane

Concen: 5.057 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

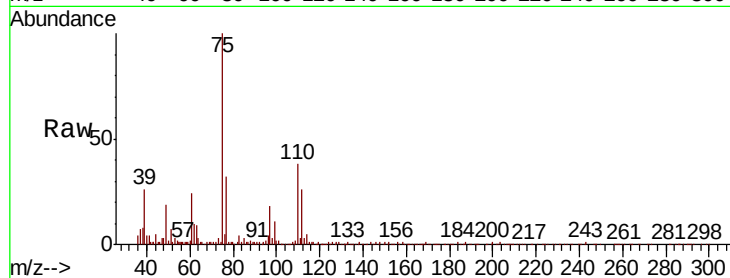
VSTDIC005

Tot Ion: 75 Resp: 42782

Ion Ratio Lower Upper

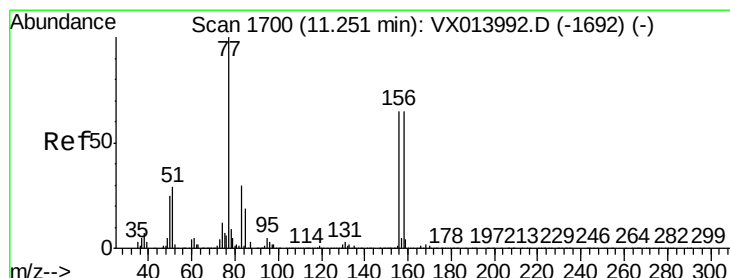
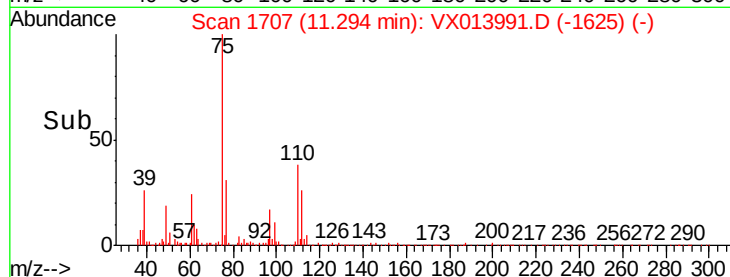
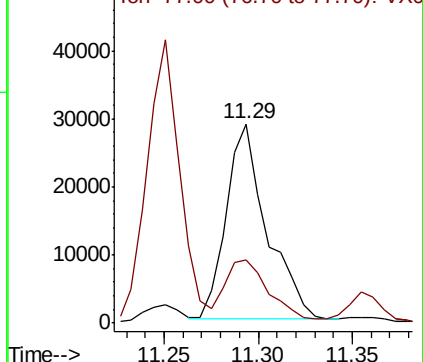
75 100

77 30.6 0.0 68.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#73

Bromobenzene

Concen: 4.491 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

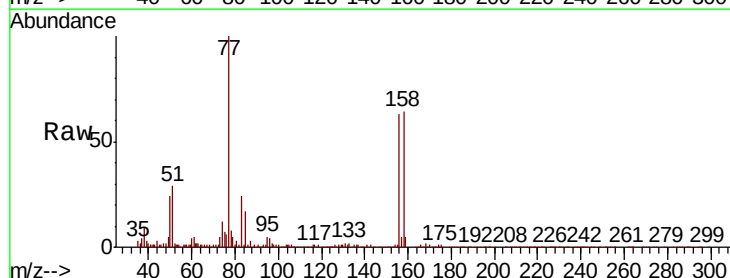
Tgt Ion: 156 Resp: 32471

Ion Ratio Lower Upper

156 100

77 156.1 0.0 304.6

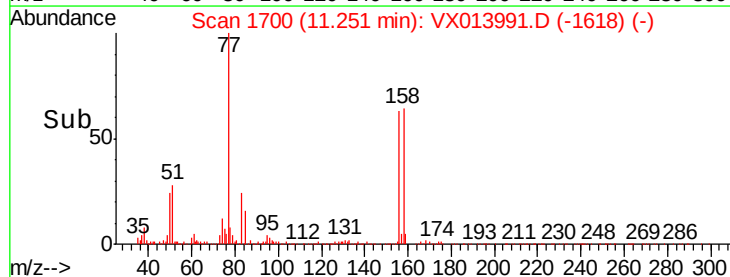
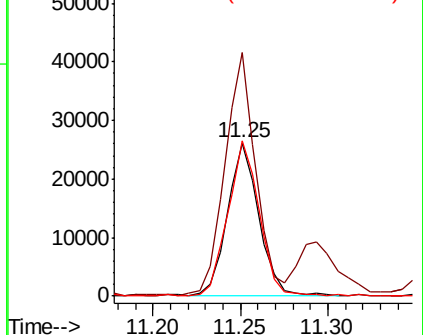
158 101.4 0.0 195.2

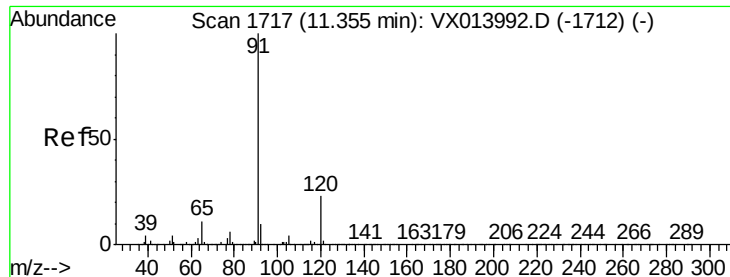


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 4.253 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

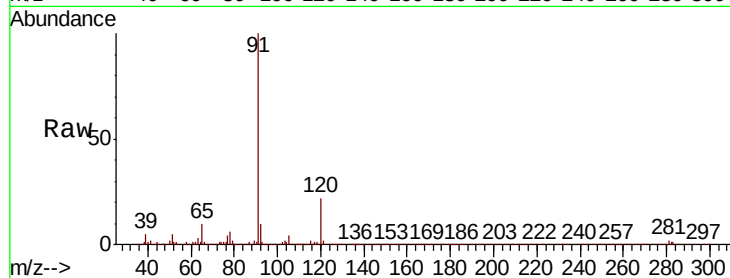
VSTDIC005

Tot Ion: 91 Resp: 132026

Ion Ratio Lower Upper

91 100

120 22.7 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.35

120000

100000

80000

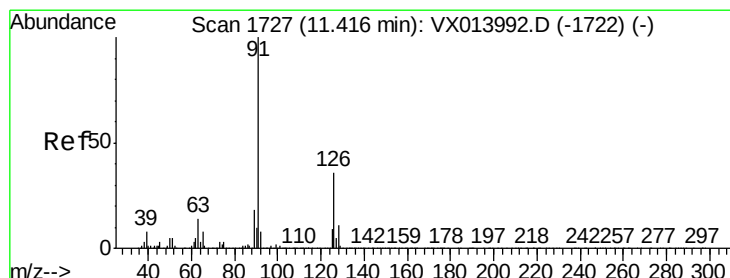
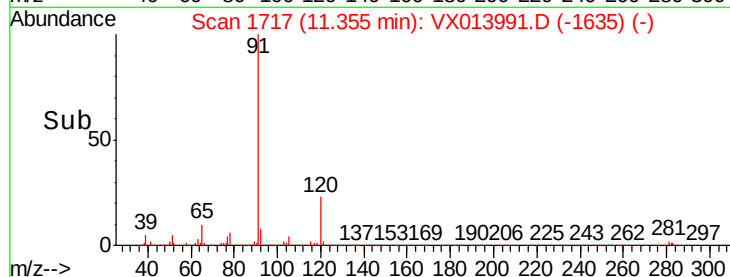
60000

40000

20000

0

Time--> 11.30 11.35 11.40



#75

2-Chlorotoluene

Concen: 4.496 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013991.D

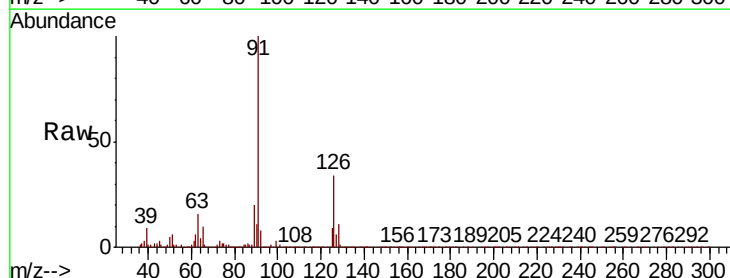
Acq: 12 Dec 2019 22:11

Tgt Ion: 91 Resp: 83367

Ion Ratio Lower Upper

91 100

126 33.8 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

11.42

120000

100000

80000

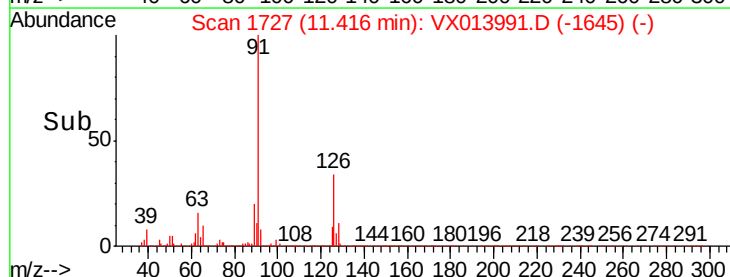
60000

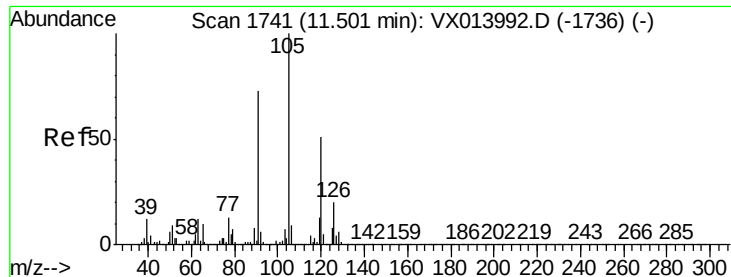
40000

20000

0

Time--> 11.35 11.40 11.45

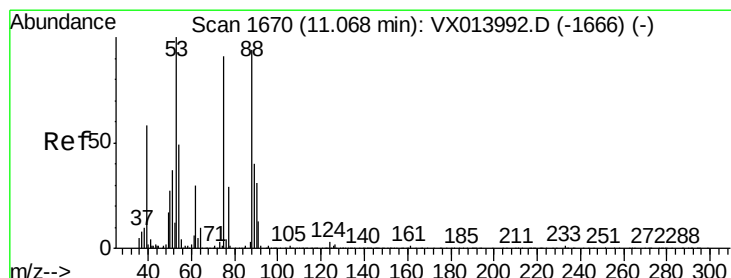
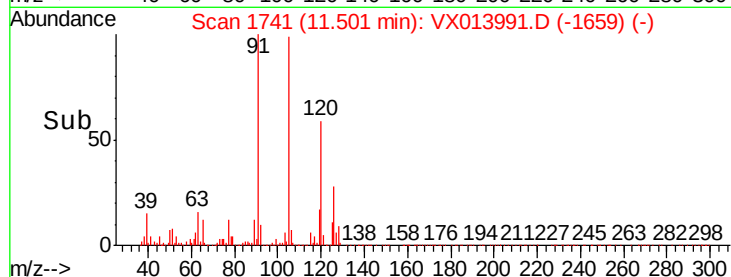
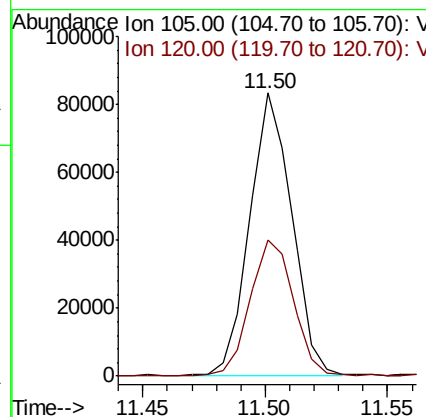
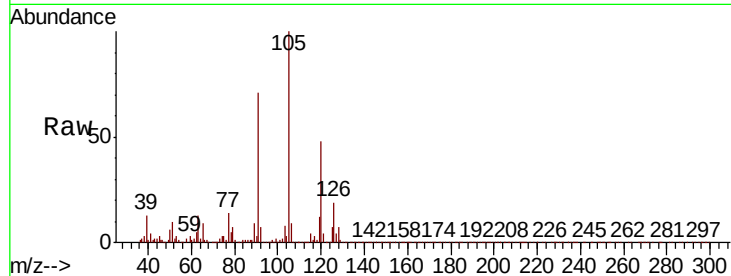




#76
 1,3,5-Trimethylbenzene
 Concen: 4.352 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

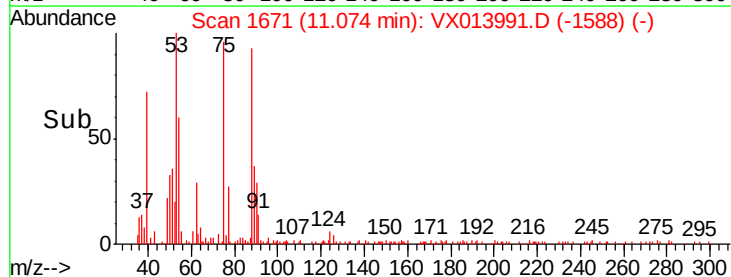
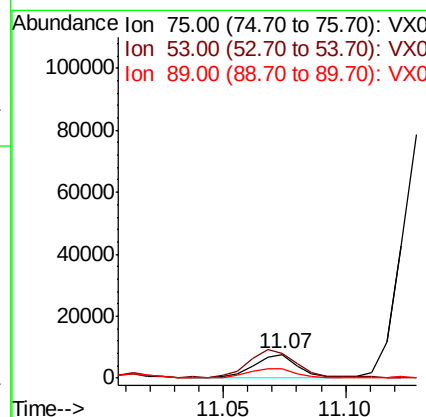
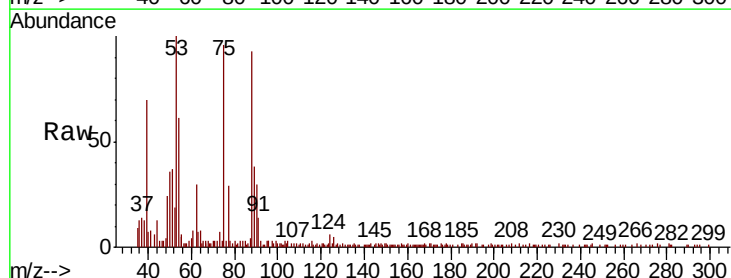
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

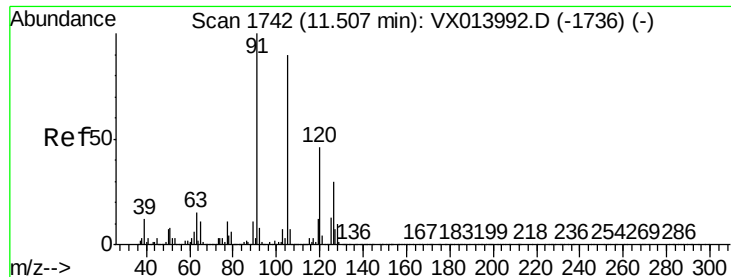
Tot Ion:105 Resp: 100154
 Ion Ratio Lower Upper
 105 100
 120 49.3 0.0 100.6



#77
 t-1,4-Dichloro-2-butene
 Concen: 2.886 ug/l
 RT: 11.07 min Scan# 1671
 Delta R.T. 0.01 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Tgt Ion: 75 Resp: 9321
 Ion Ratio Lower Upper
 75 100
 53 100.5 54.4 163.1
 89 37.7 21.9 65.5





#78

4-Chlorotoluene

Concen: 4.299 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

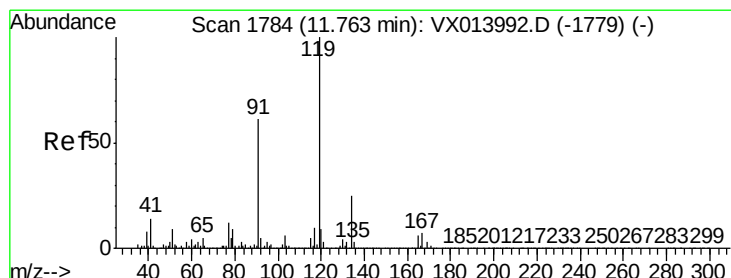
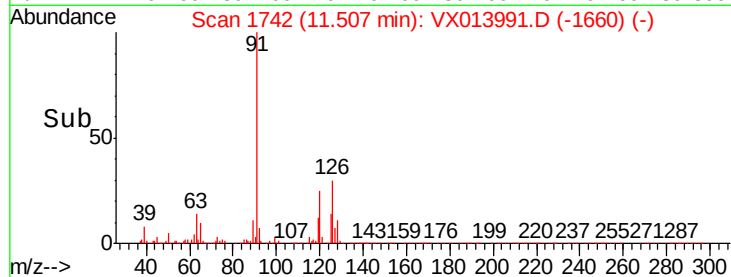
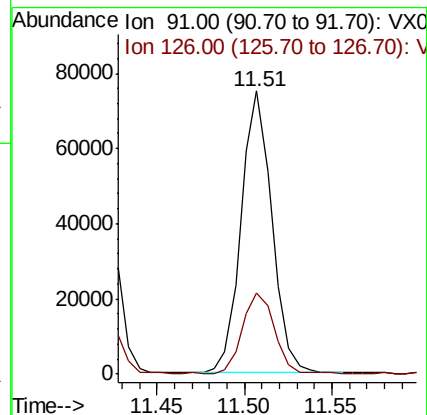
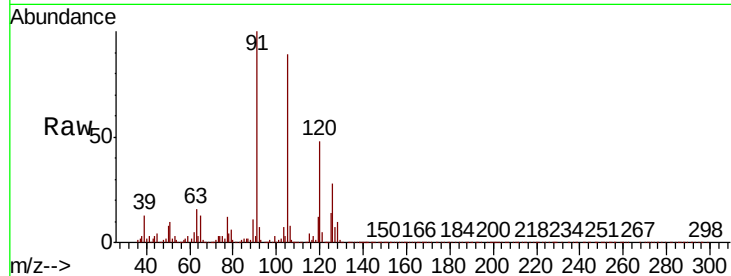
VSTDIC005

Tot Ion: 91 Resp: 91388

Ion Ratio Lower Upper

91 100

126 29.3 0.0 59.6



#79

tert-butylbenzene

Concen: 4.101 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

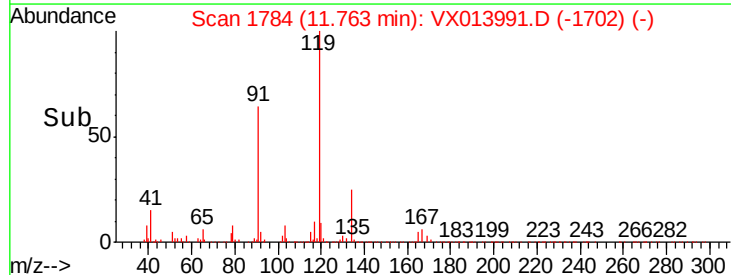
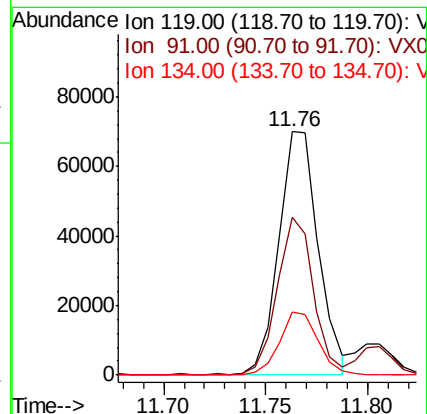
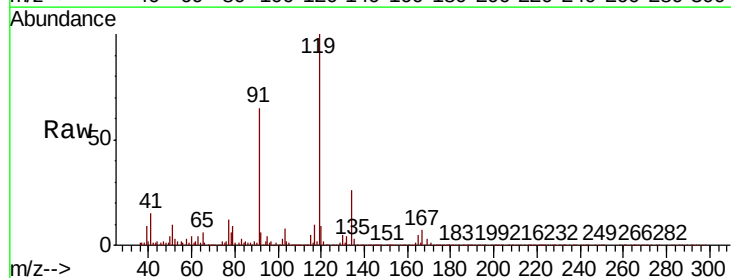
Tgt Ion: 119 Resp: 94429

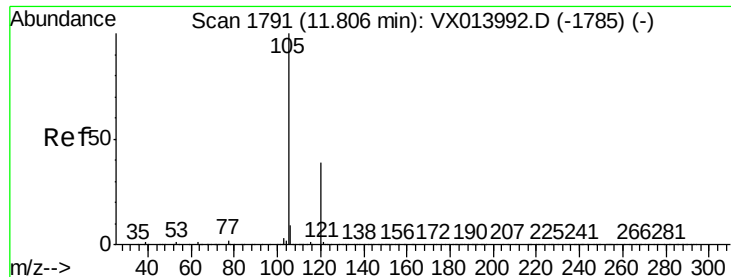
Ion Ratio Lower Upper

119 100

91 59.4 0.0 112.6

134 25.4 0.0 49.8

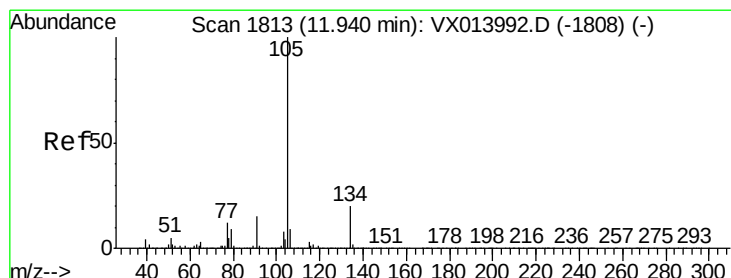
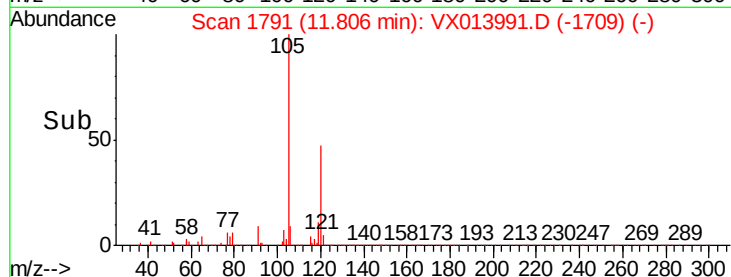
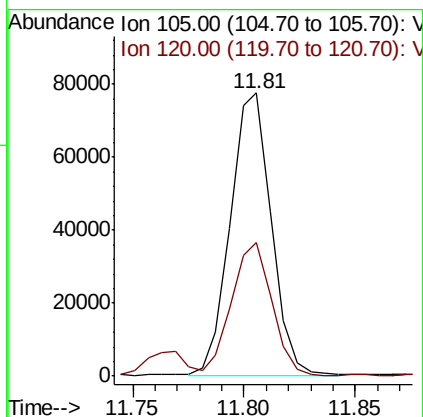
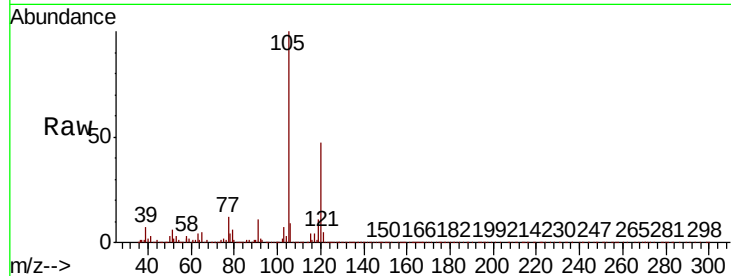




#80
1,2,4-Trimethylbenzene
Concen: 4.309 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

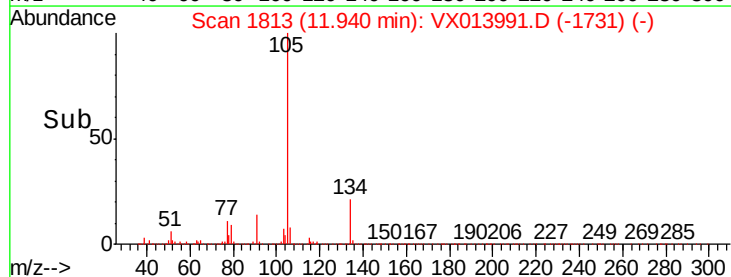
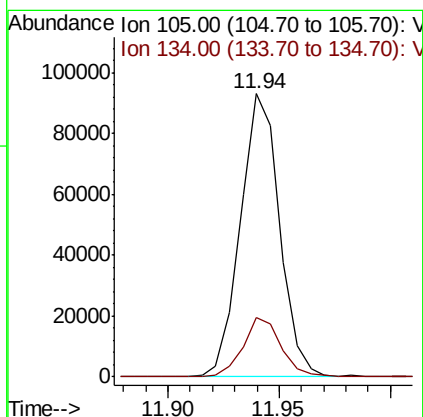
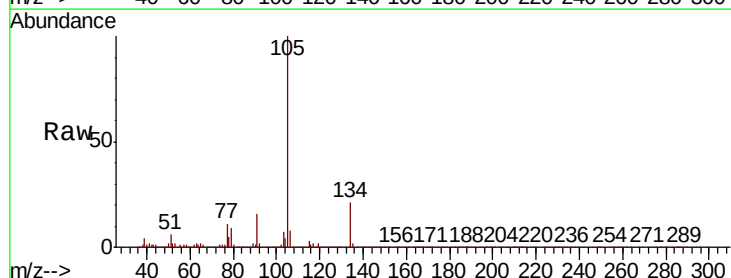
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

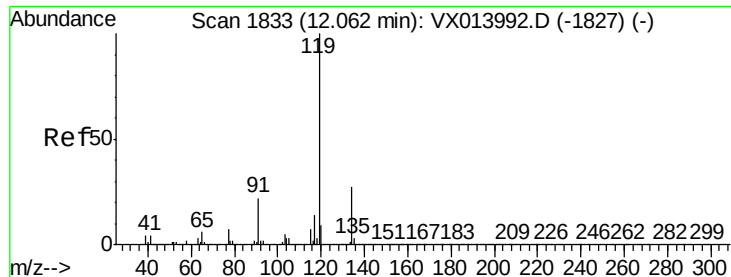
Tot Ion:105 Resp: 99006
Ion Ratio Lower Upper
105 100
120 46.7 0.0 92.0



#81
sec-Butylbenzene
Concen: 4.296 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion:105 Resp: 113728
Ion Ratio Lower Upper
105 100
134 20.5 0.0 40.2

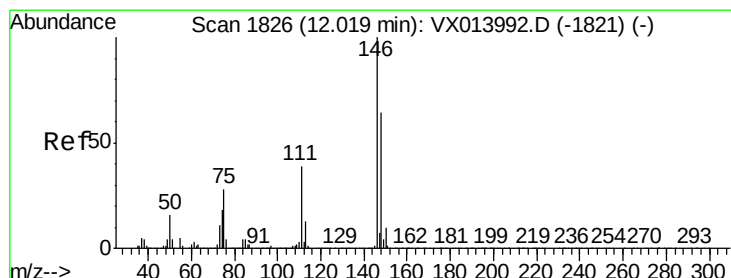
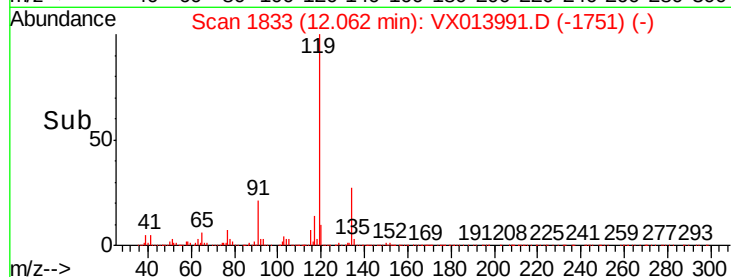
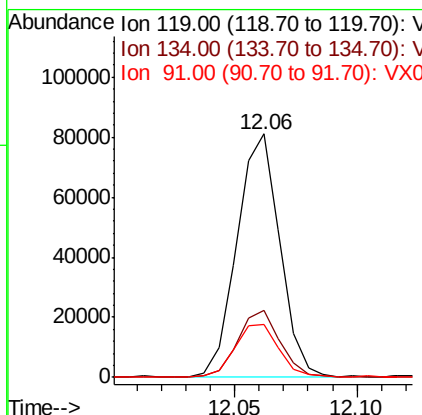
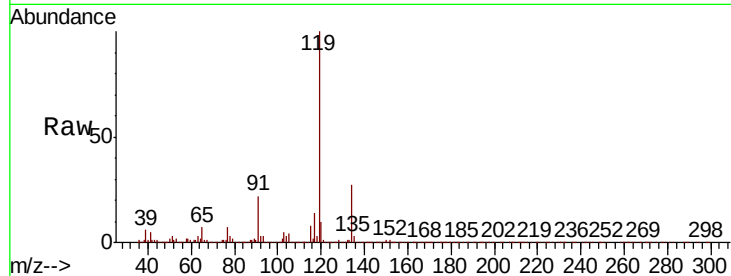




#82
p-Isopropyltoluene
Concen: 4.058 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

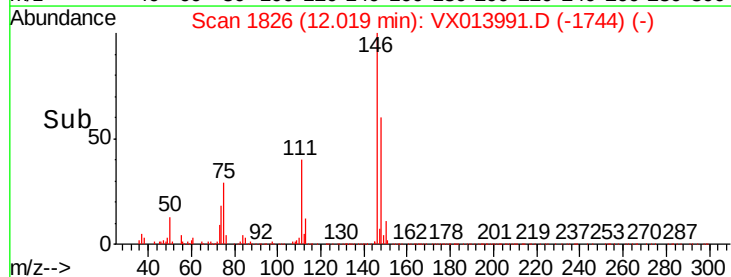
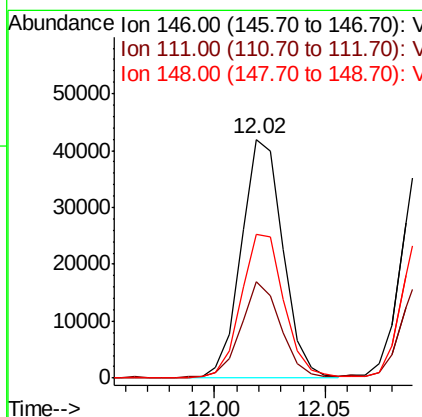
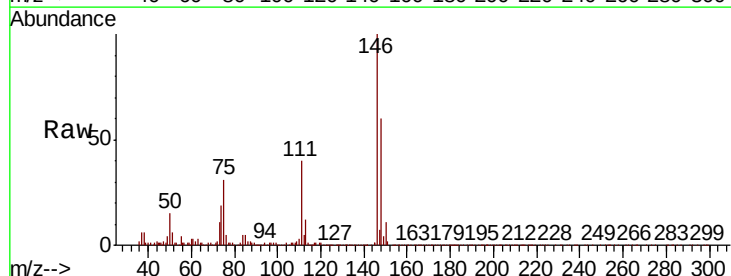
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

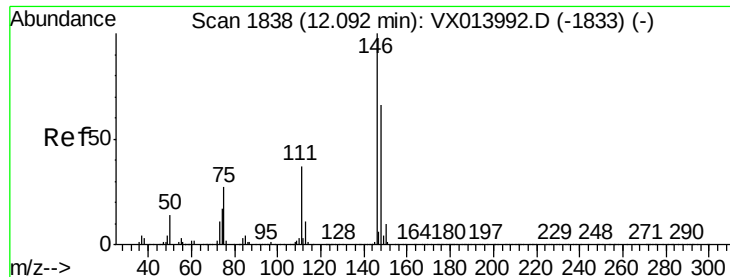
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	0.0	53.8
91	22.2	0.0	45.0



#83
1,3-Dichlorobenzene
Concen: 4.312 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	61.7	32.2	96.6





#84

1,4-Dichlorobenzene

Concen: 4.276 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

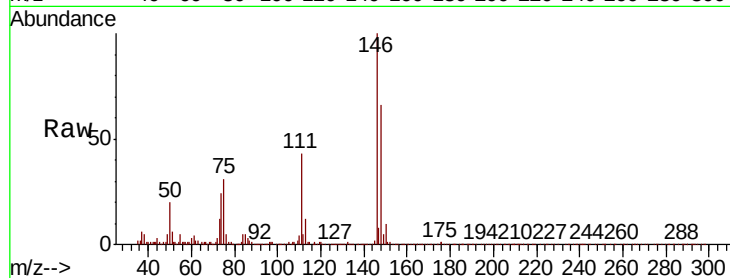
Tot Ion:146 Resp: 53952

Ion Ratio Lower Upper

146 100

111 38.8 18.4 55.4

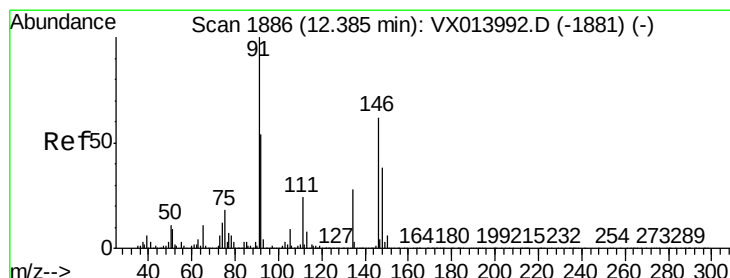
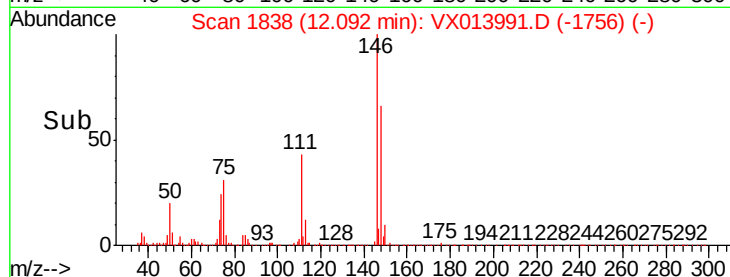
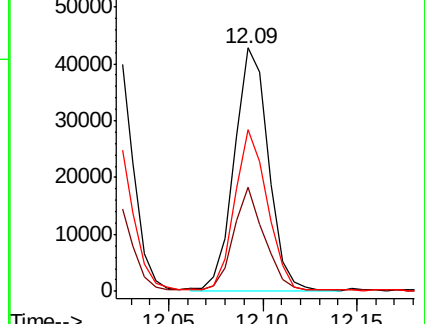
148 63.1 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 3.616 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

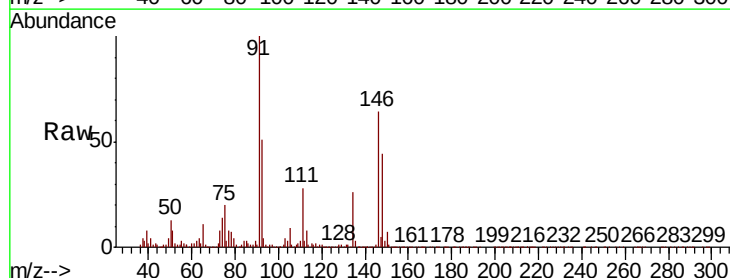
Tgt Ion: 91 Resp: 75223

Ion Ratio Lower Upper

91 100

92 54.9 0.0 109.0

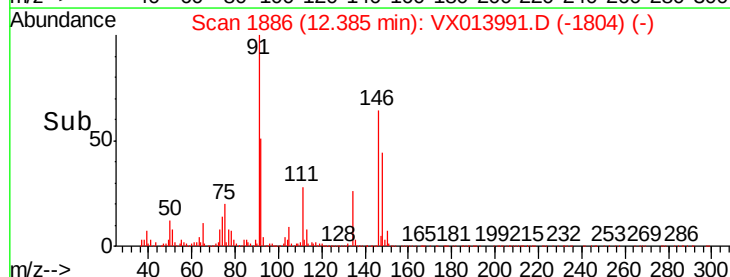
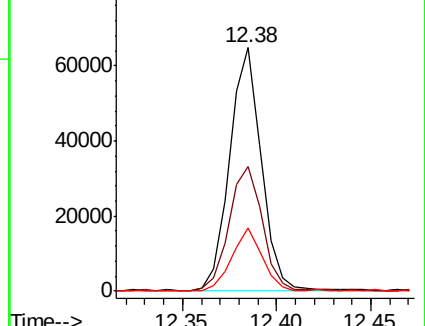
134 24.8 0.0 54.0

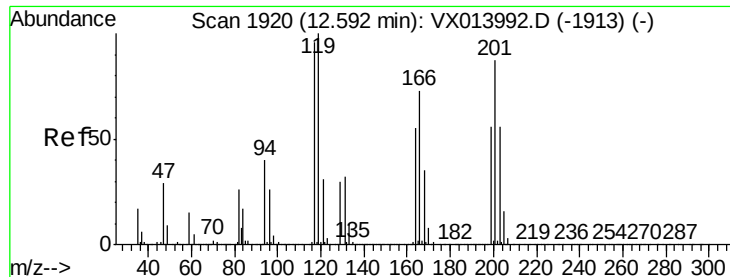


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 3.843 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

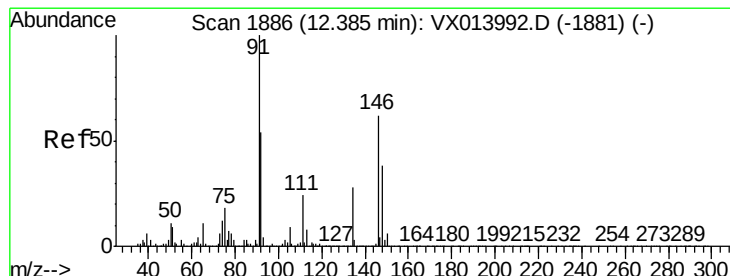
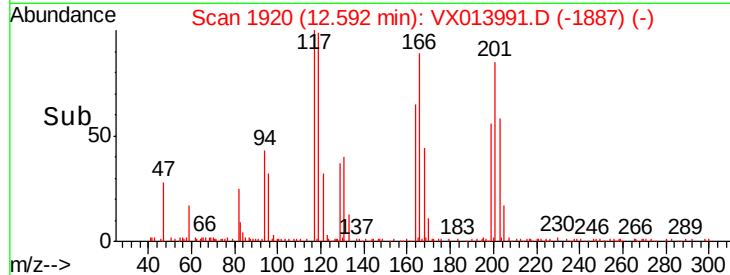
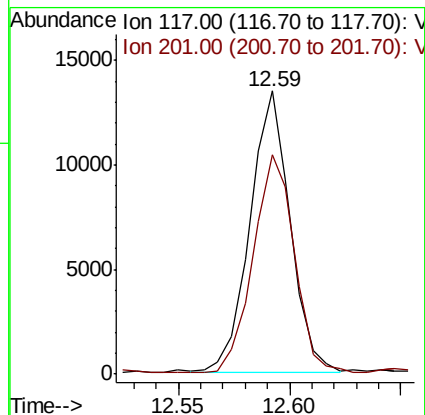
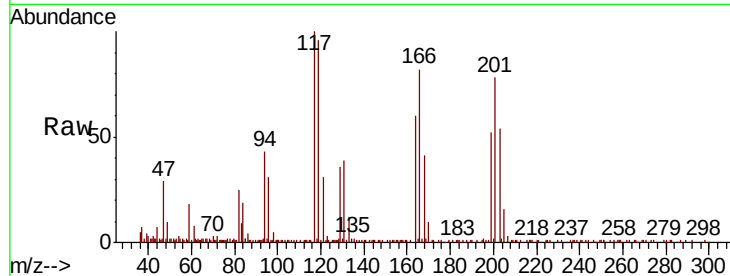
VSTDIC005

Tot Ion:117 Resp: 17020

Ion Ratio Lower Upper

117 100

201 79.5 44.8 134.3



#87

1,2-Dichlorobenzene

Concen: 4.464 ug/l

RT: 12.39 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

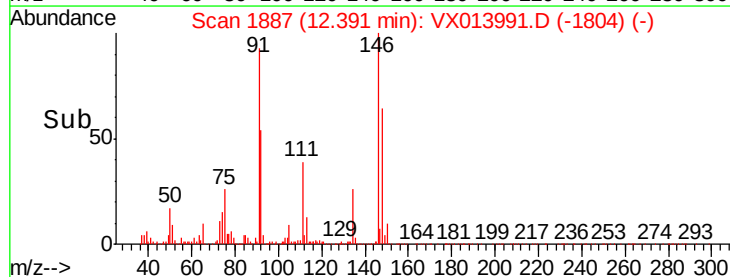
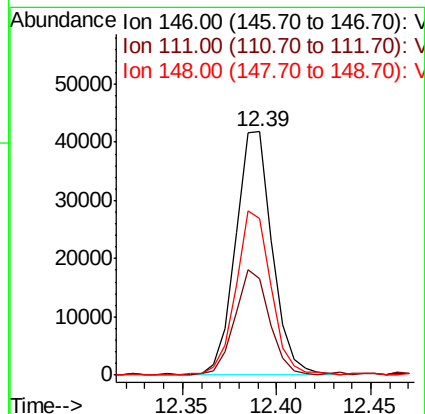
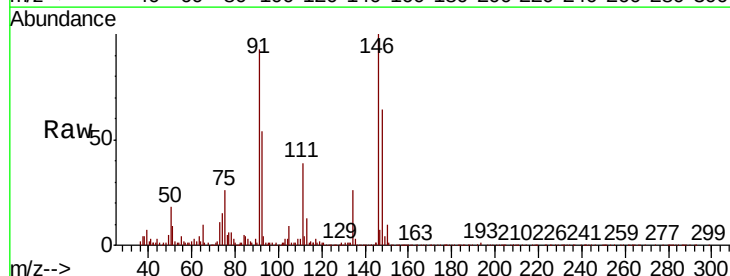
Tgt Ion:146 Resp: 56625

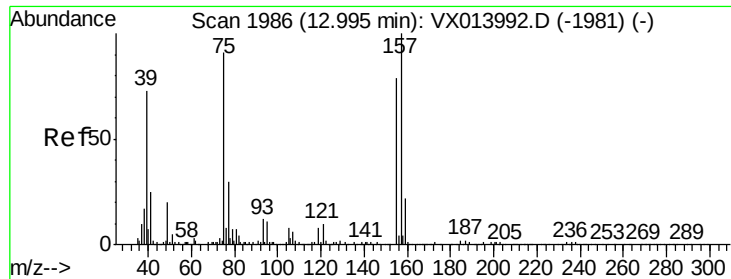
Ion Ratio Lower Upper

146 100

111 40.5 20.1 60.2

148 64.8 32.0 96.2

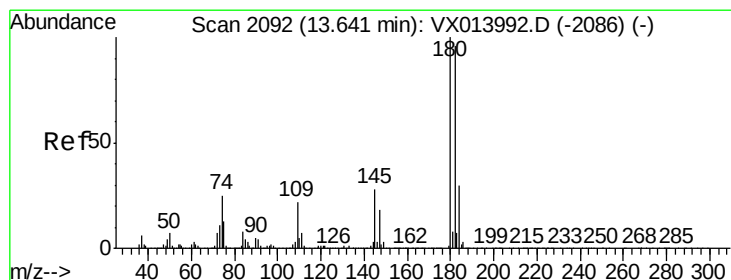
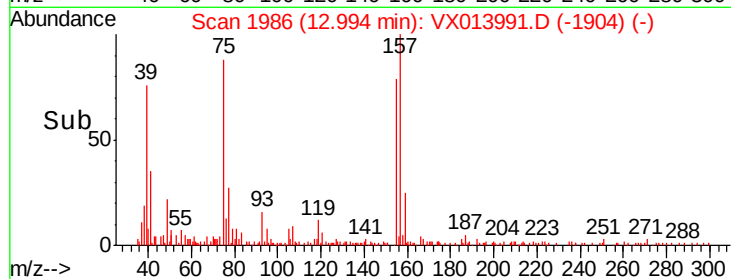
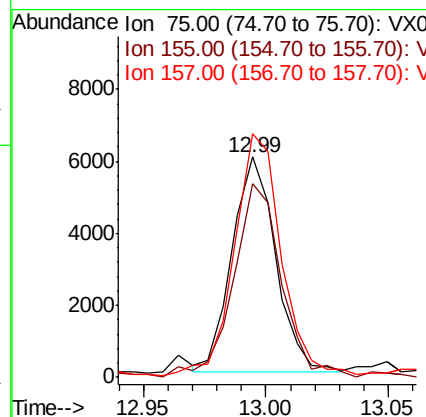
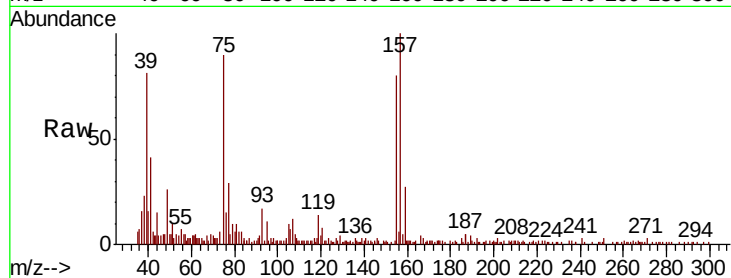




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 3.404 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

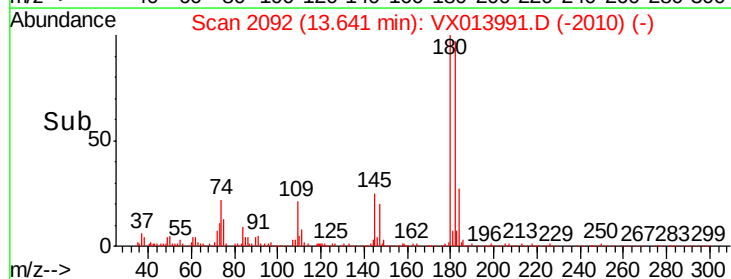
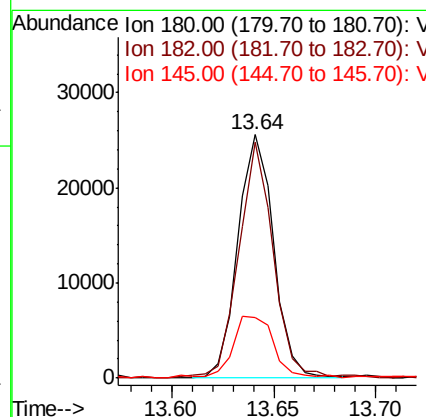
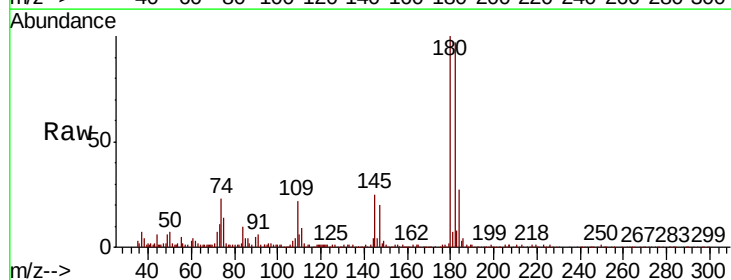
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

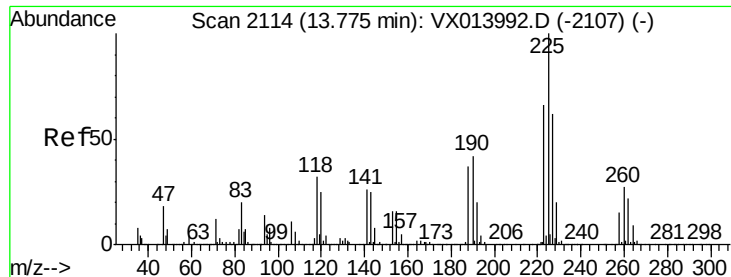
Tot Ion: 75 Resp: 7342
 Ion Ratio Lower Upper
 75 100
 155 93.9 73.8 110.6
 157 122.5 95.0 142.4



#89
 1,2,4-Trichlorobenzene
 Concen: 3.594 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Tgt Ion: 180 Resp: 30943
 Ion Ratio Lower Upper
 180 100
 182 92.1 76.4 114.6
 145 28.6 21.9 32.9





#90

Hexachlorobutadiene

Concen: 3.954 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

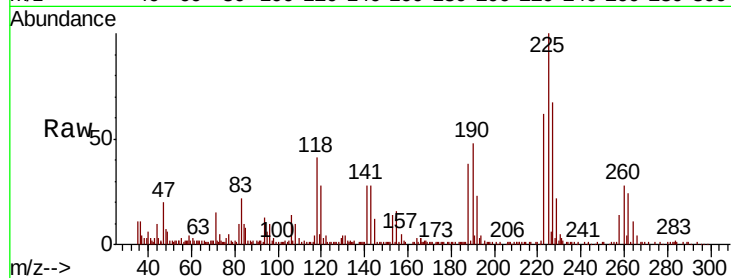
Tot Ion:225 Resp: 16388

Ion Ratio Lower Upper

225 100

223 61.1 0.0 127.4

227 63.8 0.0 122.8

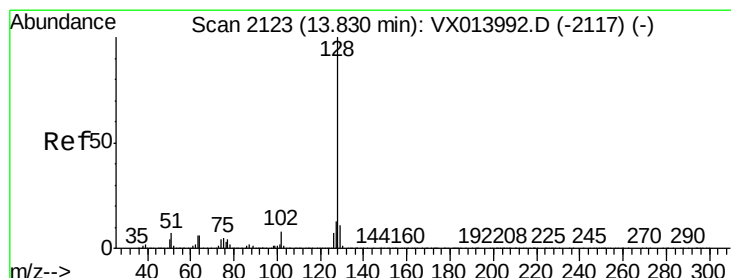
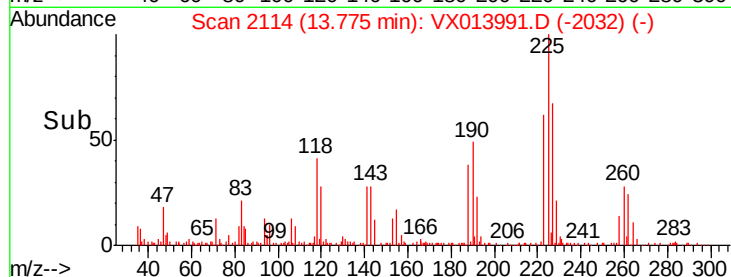
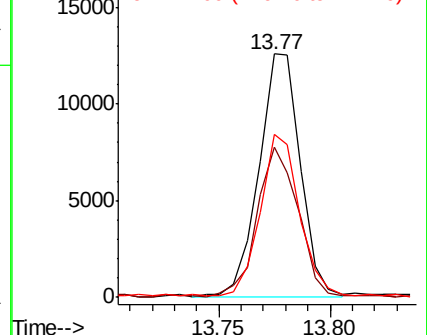


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 3.289 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

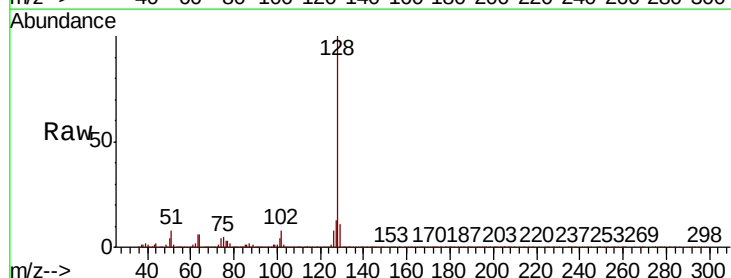
Tgt Ion:128 Resp: 88745

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

129 10.2 8.9 13.3

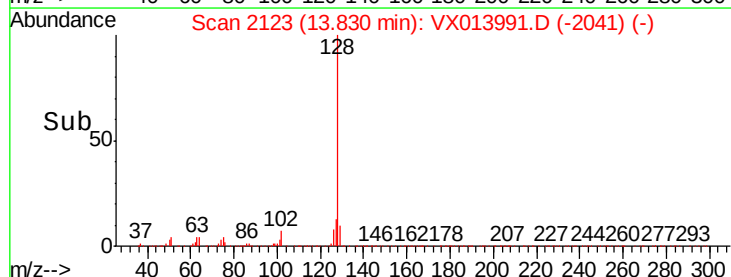
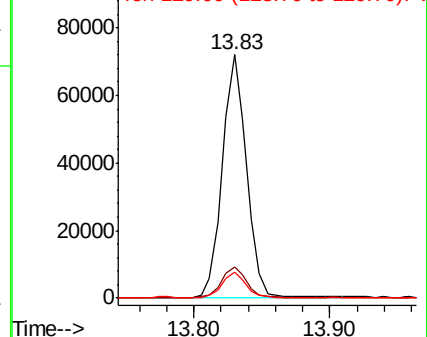


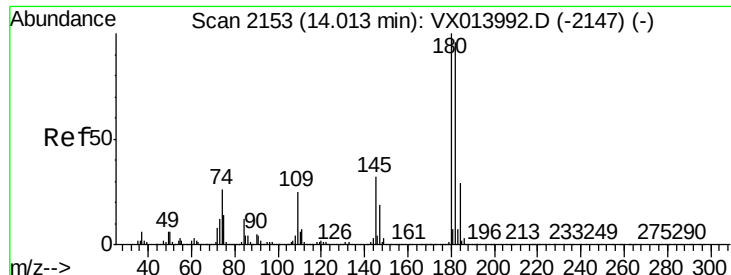
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92

1,2,3-Trichlorobenzene

Concen: 3.781 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

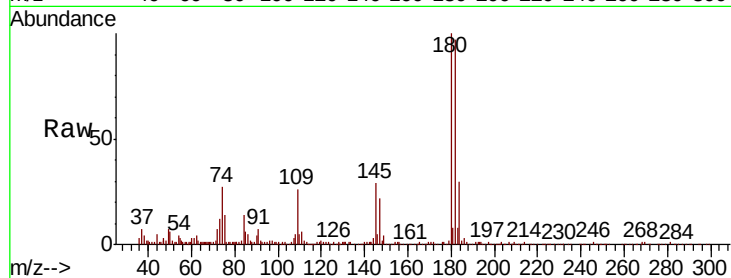
Tot Ion:180 Resp: 32834

Ion Ratio Lower Upper

180 100

182 92.8 0.0 192.8

145 31.7 0.0 60.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

