

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014009.D
 Acq On : 13 Dec 2019 15:36
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Dec 13 16:37:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	561172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	855896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	774441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	385975	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	116759	17.90	ug/l	0.00
Spiked Amount			Recovery	=	35.80%	
35) Dibromofluoromethane	5.49	113	94491	17.76	ug/l	0.00
Spiked Amount			Recovery	=	35.52%	
50) Toluene-d8	8.71	98	377231	18.14	ug/l	0.00
Spiked Amount			Recovery	=	36.28%	
62) 4-Bromofluorobenzene	11.13	95	132465	17.61	ug/l	0.00
Spiked Amount			Recovery	=	35.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	100145	16.693	ug/l	99
3) Chloromethane	1.32	50	134379	19.355	ug/l	100
4) Vinyl Chloride	1.40	62	138115	17.985	ug/l	99
5) Bromomethane	1.63	94	97452	18.548	ug/l	98
6) Chloroethane	1.70	64	84586	18.891	ug/l	90
7) Trichlorofluoromethane	1.92	101	171935	19.562	ug/l	98
8) Diethyl Ether	2.18	74	78262	19.701	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	103036	19.274	ug/l	98
10) Methyl Iodide	2.50	142	121438	18.704	ug/l	98
11) Tert butyl alcohol	3.04	59	130340	83.396	ug/l	99
12) 1,1-Dichloroethene	2.36	96	103108	19.340	ug/l	95
13) Acrolein	2.28	56	69453	75.486	ug/l	100
14) Allyl chloride	2.72	41	188334	19.482	ug/l	99
15) Acrylonitrile	3.13	53	314077	95.565	ug/l	99
16) Acetone	2.44	43	442352	130.969	ug/l	99
17) Carbon Disulfide	2.56	76	289015	18.978	ug/l	99
18) Methyl Acetate	2.76	43	157554	18.036	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	347847	19.657	ug/l	97
20) Methylene Chloride	2.85	84	122540	19.786	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	112594	19.351	ug/l	98
22) Diisopropyl ether	3.84	45	379412	20.286	ug/l	98
23) Vinyl Acetate	3.80	43	1591288	102.476	ug/l	100
24) 1,1-Dichloroethane	3.69	63	202585	19.815	ug/l	98
25) 2-Butanone	4.66	43	531013	110.165	ug/l	100
26) 2,2-Dichloropropane	4.57	77	159499	18.932	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	129255	19.357	ug/l	98
28) Bromochloromethane	5.00	49	83871	23.237	ug/l	99
29) Tetrahydrofuran	5.12	42	278007	95.681	ug/l	98
30) Chloroform	5.20	83	198154	19.149	ug/l	100
31) Cyclohexane	5.57	56	188485	19.501	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	165760	19.179	ug/l	100
36) 1,1-Dichloropropene	5.79	75	150043	19.299	ug/l	99
37) Ethyl Acetate	4.82	43	176262	20.322	ug/l	100
38) Carbon Tetrachloride	5.78	117	137619	19.190	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	188922	19.624	ug/l	99
40) Benzene	6.14	78	467882	19.717	ug/l	99
41) Methacrylonitrile	5.03	41	98272	20.757	ug/l	97
42) 1,2-Dichloroethane	6.18	62	164380	20.343	ug/l	98
43) Isopropyl Acetate	6.43	43	278854	19.464	ug/l	99
44) Trichloroethene	7.20	130	123460	19.026	ug/l	97
45) 1,2-Dichloropropane	7.51	63	121446	20.417	ug/l	98
46) Dibromomethane	7.65	93	77866	19.342	ug/l	99
47) Bromodichloromethane	7.89	83	146845	19.300	ug/l	98
48) Methyl methacrylate	7.76	41	138872	19.994	ug/l	99
49) 1,4-Dioxane	7.74	88	57224	374.066	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	901825	100.248	ug/l	99
52) Toluene	8.78	92	297851	20.179	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	163783	18.924	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	186886	19.745	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	122064	20.547	ug/l	97
56) Ethyl methacrylate	9.17	69	190229	19.884	ug/l	99
57) 1,3-Dichloropropane	9.37	76	201576	19.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	369372	98.492	ug/l	99
59) 2-Hexanone	9.49	43	751678	106.184	ug/l	98
60) Dibromochloromethane	9.58	129	118485	19.287	ug/l	98
61) 1,2-Dibromoethane	9.67	107	123768	19.532	ug/l	100
64) Tetrachloroethene	9.33	164	124901	20.900	ug/l	98
65) Chlorobenzene	10.14	112	318103	19.673	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	114466	19.771	ug/l	98
67) Ethyl Benzene	10.24	91	554140	19.966	ug/l	99
68) m/p-Xylenes	10.35	106	423145	39.768	ug/l	99
69) o-Xylene	10.70	106	206600	19.910	ug/l	99
70) Styrene	10.71	104	348489	19.907	ug/l	99
71) Bromoform	10.85	173	86794	18.175	ug/l #	100
73) Isopropylbenzene	11.01	105	544940	20.101	ug/l	100
74) N-amyl acetate	10.89	43	252737	20.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	188950	20.130	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	205087	23.725	ug/l	89
77) Bromobenzene	11.25	156	143527	19.642	ug/l	97
78) n-propylbenzene	11.35	91	609085	20.092	ug/l	100
79) 2-Chlorotoluene	11.42	91	367875	20.172	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	457399	20.527	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	55573	17.623	ug/l	92
82) 4-Chlorotoluene	11.51	91	420244	19.957	ug/l	99
83) tert-Butylbenzene	11.76	119	442556	19.713	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	457262	20.233	ug/l	100
85) sec-Butylbenzene	11.94	105	513400	19.872	ug/l	100
86) p-Isopropyltoluene	12.06	119	475332	19.806	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	249596	19.556	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	246732	18.953	ug/l	99
89) n-Butylbenzene	12.38	91	390195	19.038	ug/l	99
90) Hexachloroethane	12.59	117	82875	19.051	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	251890	19.914	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	37989	18.769	ug/l	100

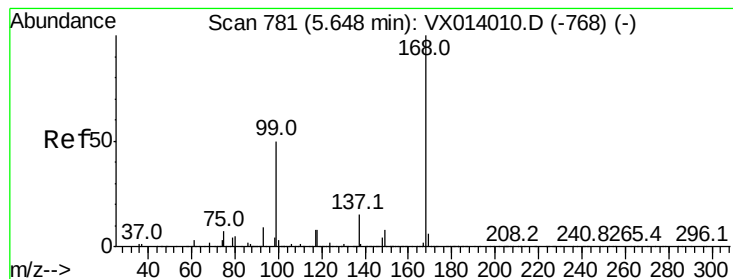
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	156382	17.900	ug/l	98
94) Hexachlorobutadiene	13.78	225	74336	17.583	ug/l	97
95) Naphthalene	13.83	128	485683	18.715	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	159787	18.389	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

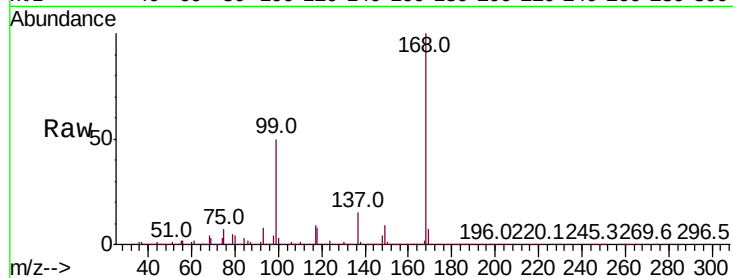
VSTDIC020

Tot Ion:168 Resp: 561172

Ion Ratio Lower Upper

168 100

99 49.8 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

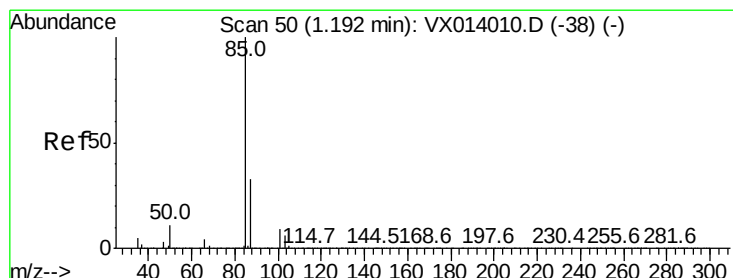
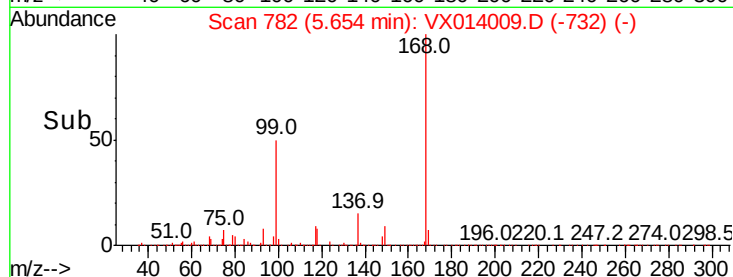
100000

50000

0

5.50 5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.693 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX014009.D

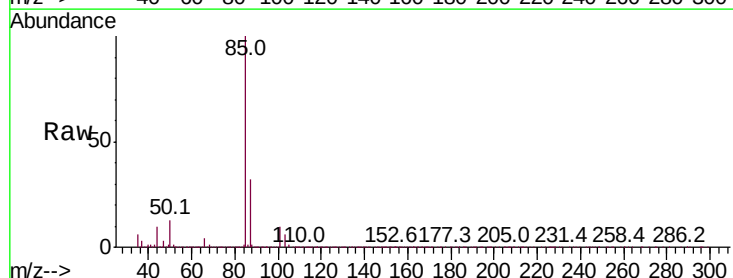
Acq: 13 Dec 2019 15:36

Tgt Ion: 85 Resp: 100145

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

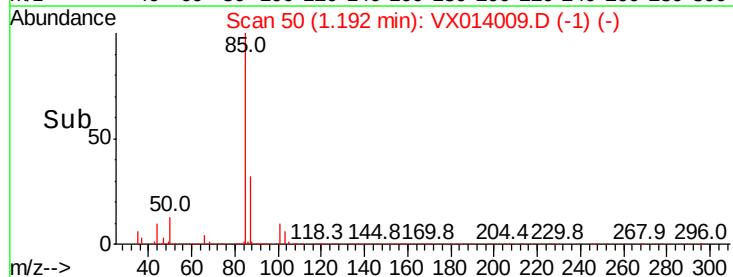
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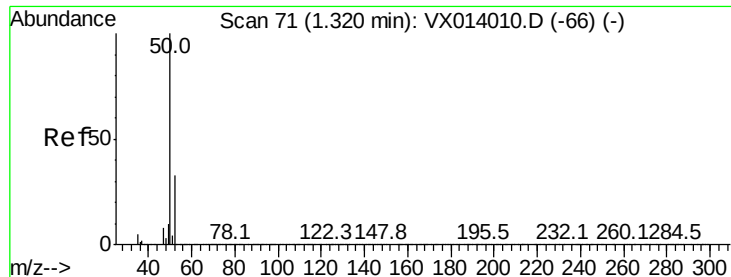
20000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 19.355 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

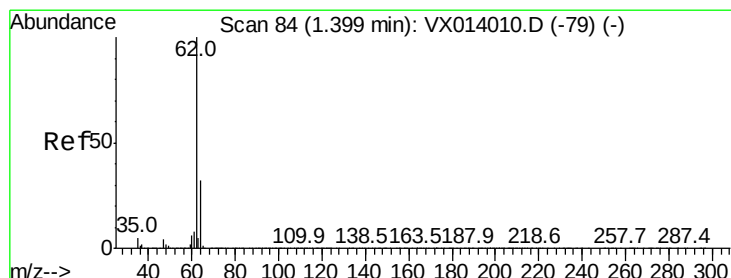
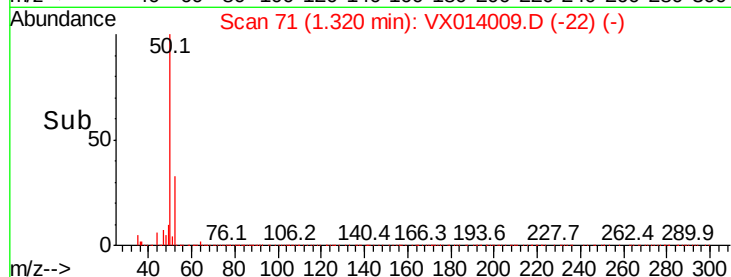
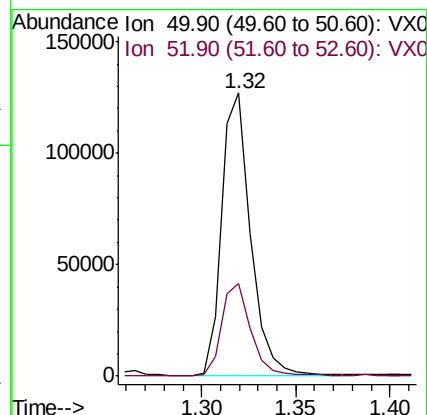
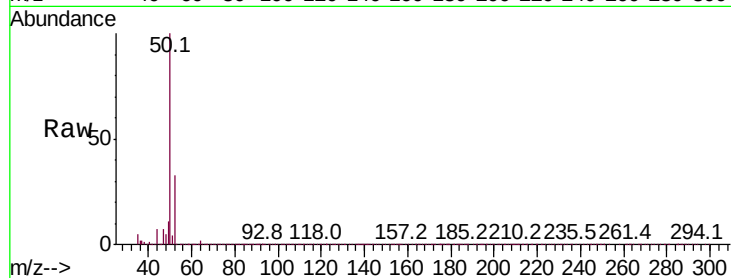
VSTDIC020

Tot Ion: 50 Resp: 134379

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.4



#4

Vinyl Chloride

Concen: 17.985 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX014009.D

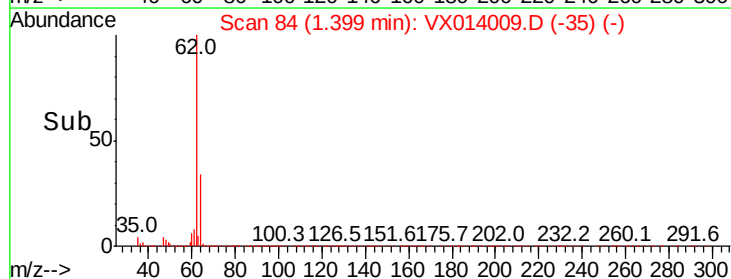
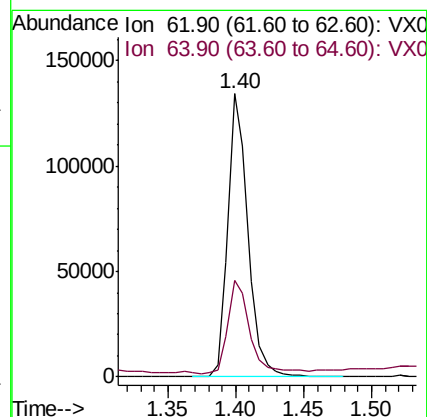
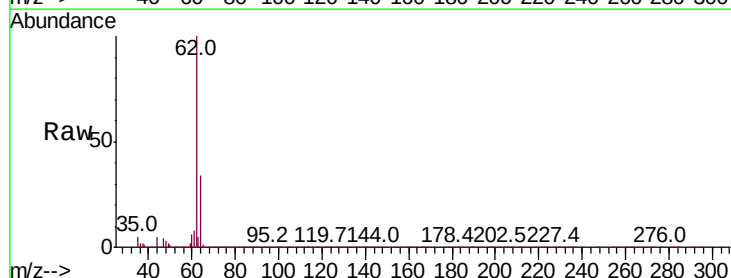
Acq: 13 Dec 2019 15:36

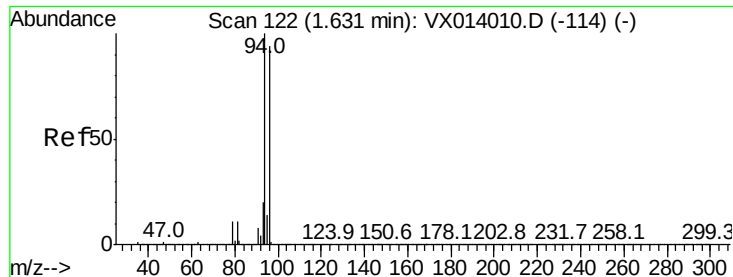
Tgt Ion: 62 Resp: 138115

Ion Ratio Lower Upper

62 100

64 32.4 25.7 38.5





#5

Bromomethane

Concen: 18.548 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampled :

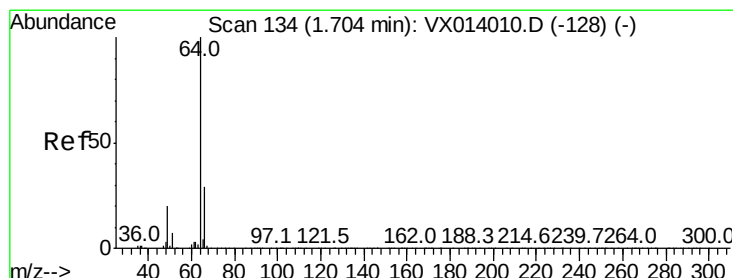
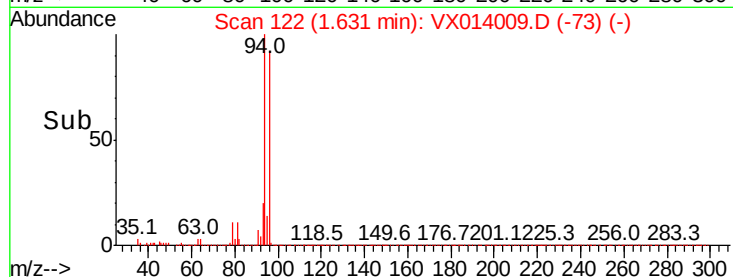
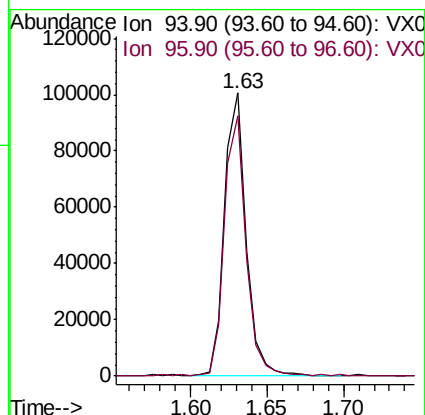
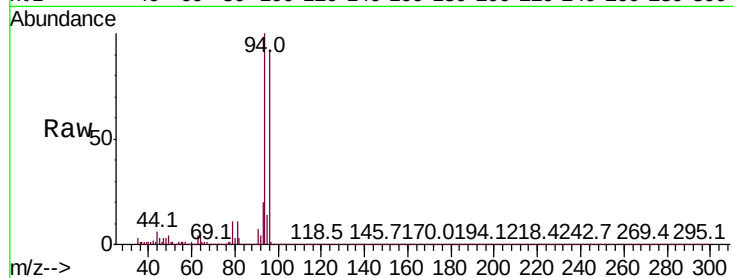
VSTDIC020

Tot Ion: 94 Resp: 97452

Ion Ratio Lower Upper

94 100

96 91.8 75.2 112.8



#6

Chloroethane

Concen: 18.891 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX014009.D

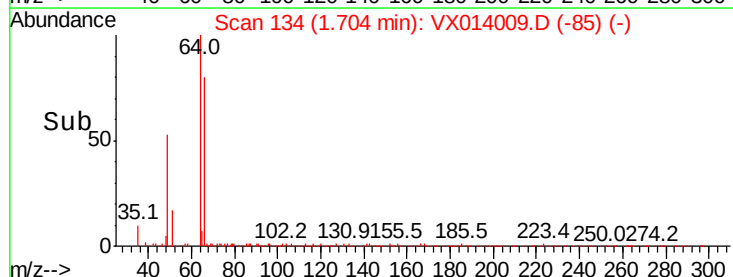
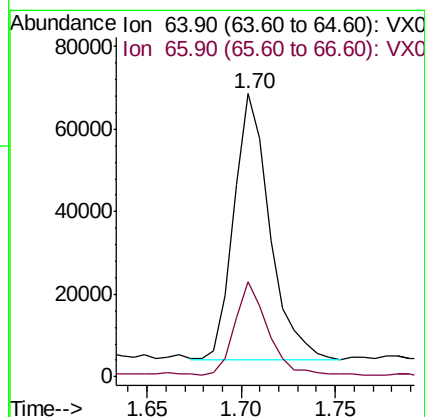
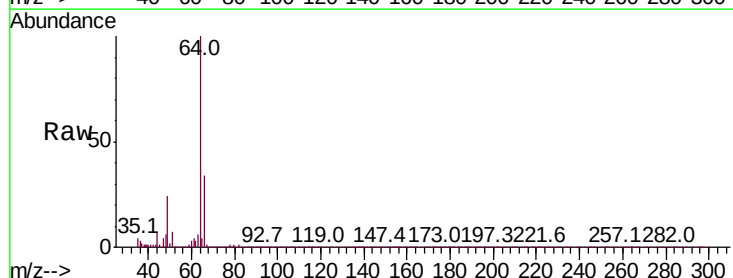
Acq: 13 Dec 2019 15:36

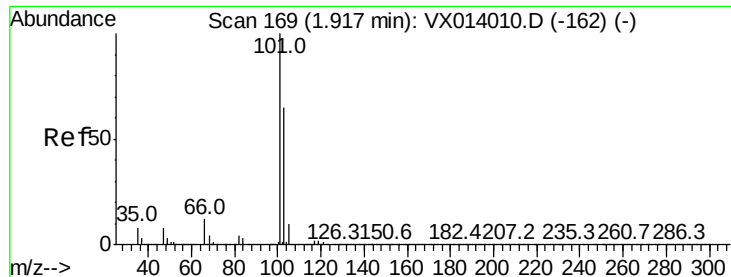
Tgt Ion: 64 Resp: 84586

Ion Ratio Lower Upper

64 100

66 34.8 23.4 35.2



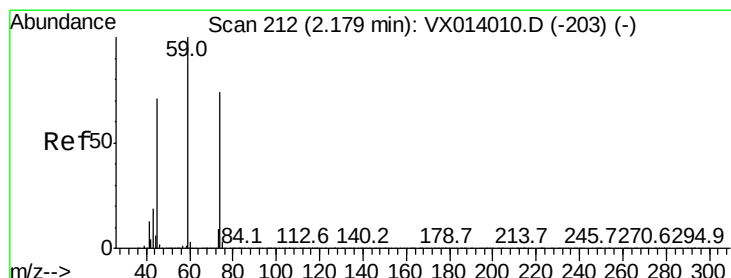
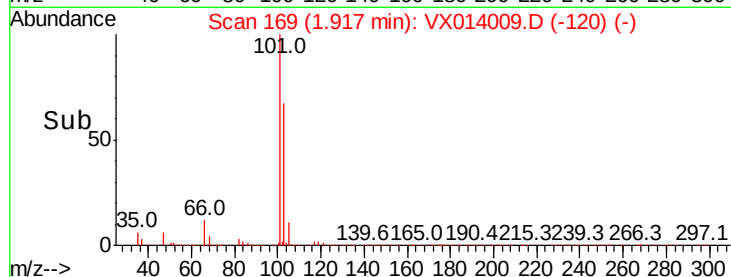
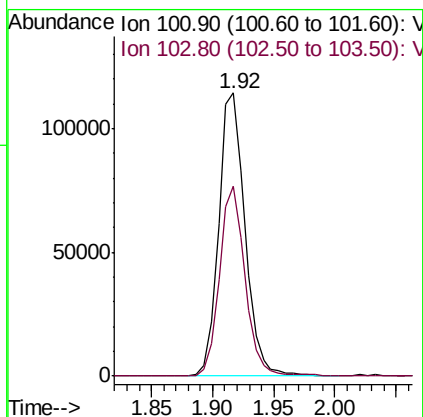
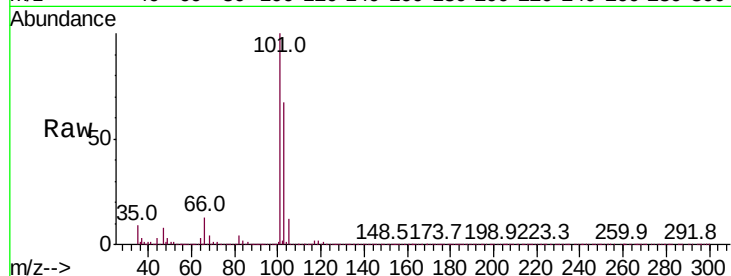


#7

Trichlorofluoromethane
Concen: 19.562 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
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VSTDIC020

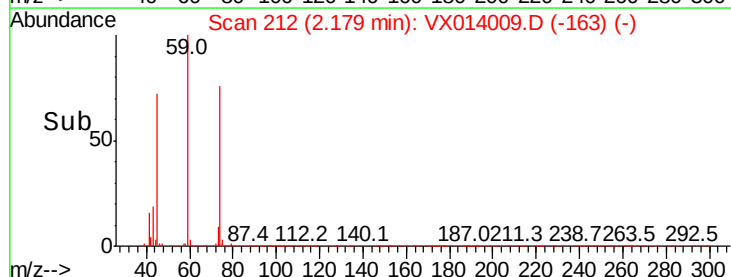
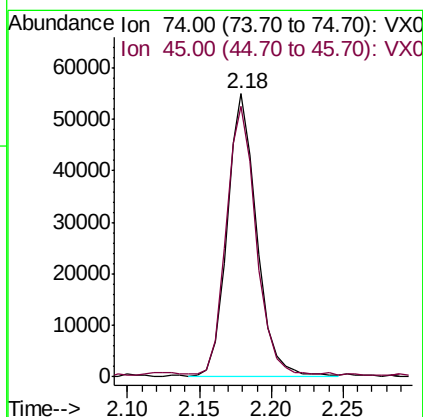
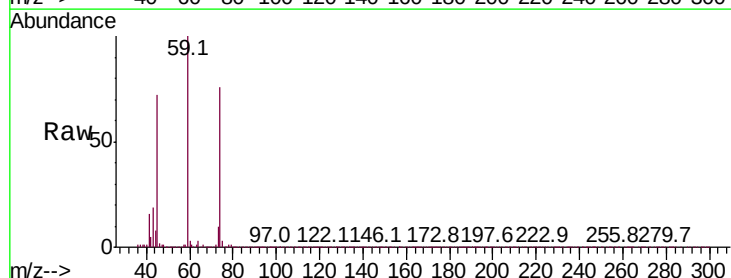
Tot Ion:101 Resp: 171935
Ion Ratio Lower Upper
101 100
103 67.0 52.2 78.4

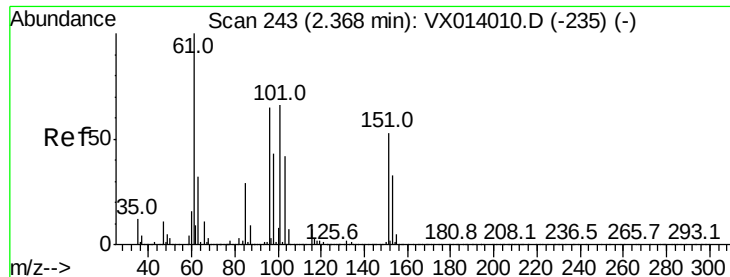


#8

Diethyl Ether
Concen: 19.701 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion: 74 Resp: 78262
Ion Ratio Lower Upper
74 100
45 96.6 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.274 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

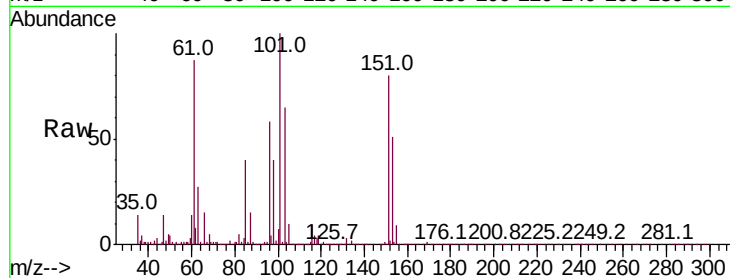
Tot Ion:101 Resp: 103036

Ion Ratio Lower Upper

101 100

85 42.6 33.7 50.5

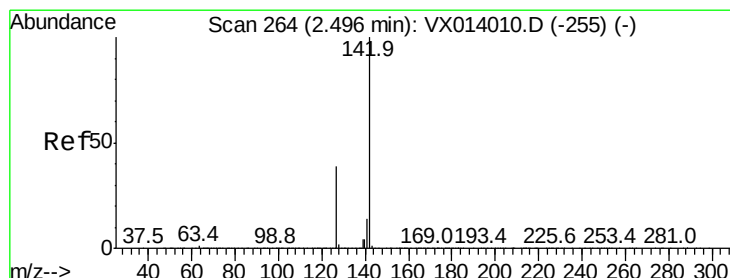
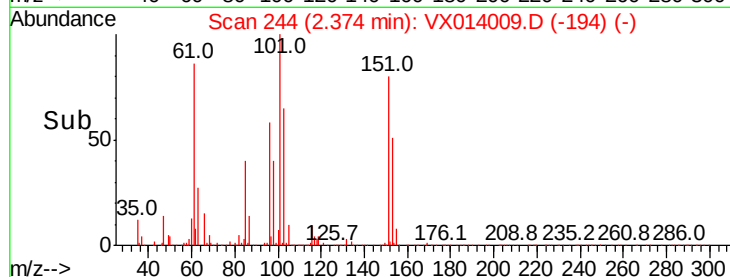
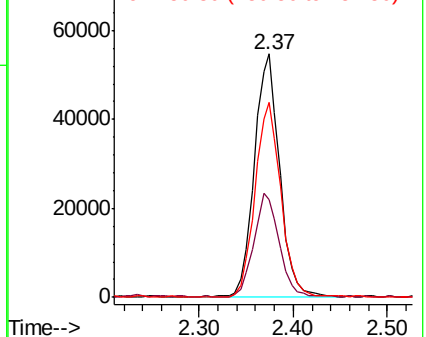
151 82.8 64.5 96.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.704 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

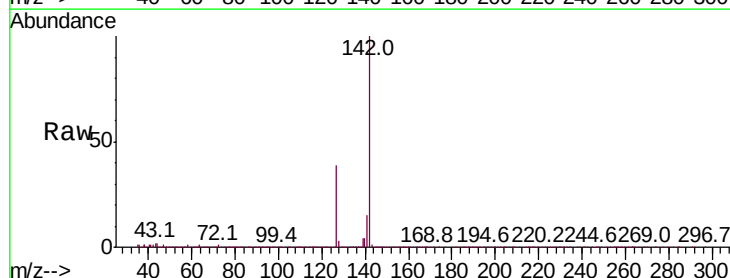
Tgt Ion:142 Resp: 121438

Ion Ratio Lower Upper

142 100

127 38.5 31.6 47.4

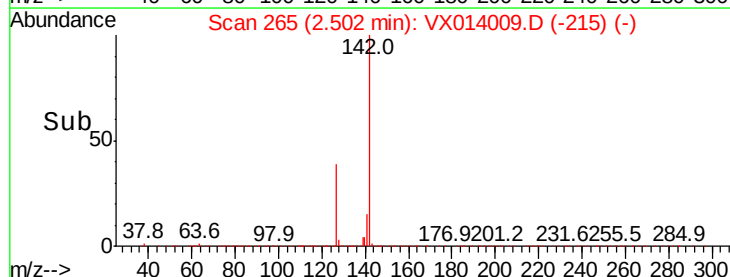
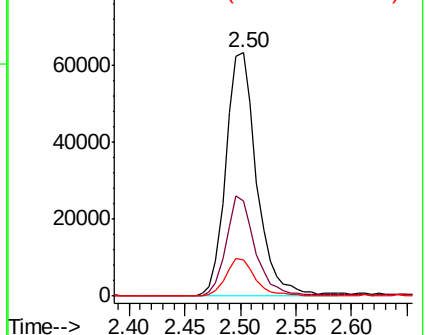
141 14.1 11.6 17.4

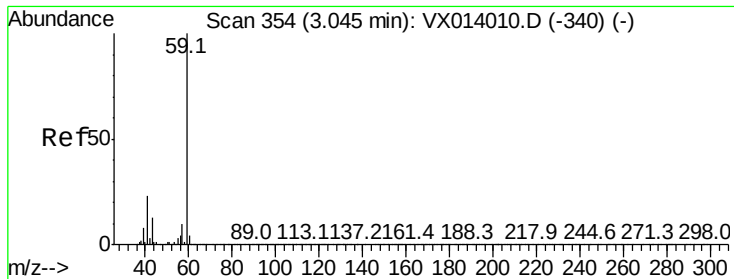


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



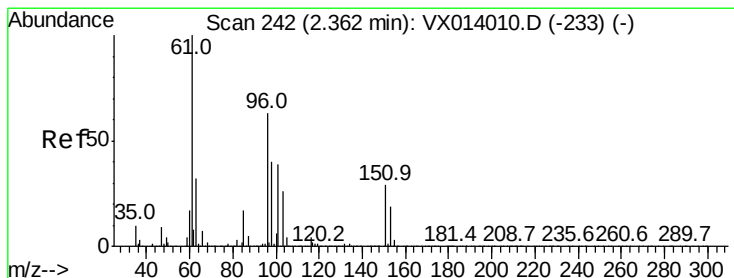
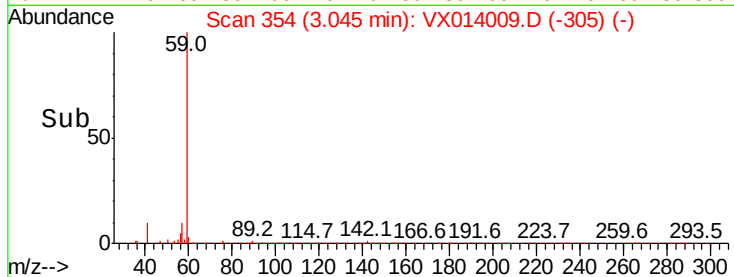
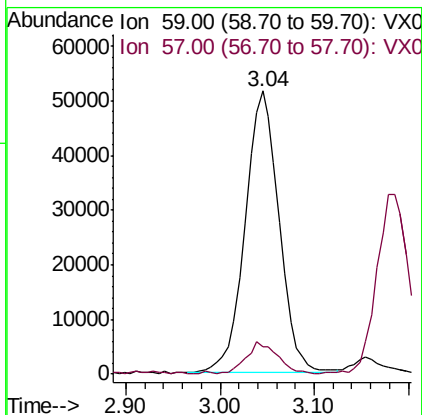
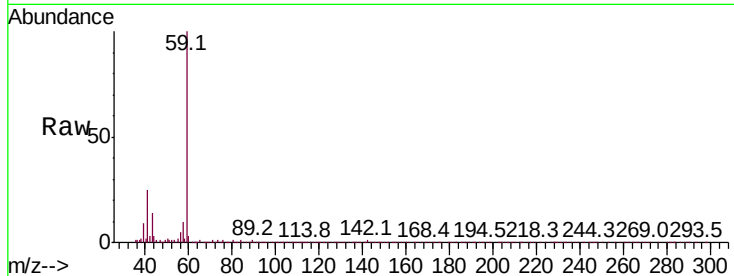


#11

Tert butyl alcohol
 Concen: 83.396 ug/l
 RT: 3.04 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

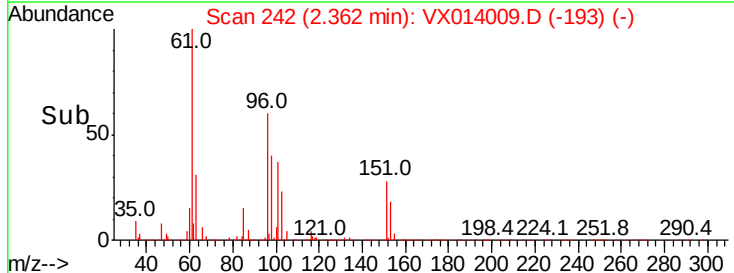
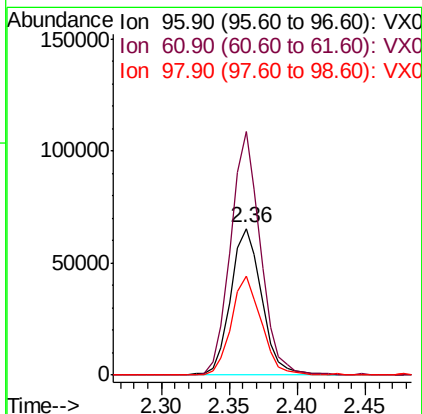
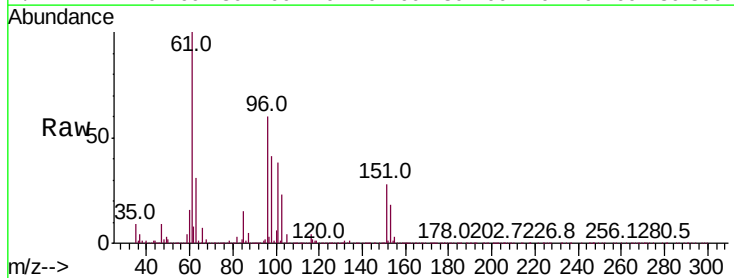
Tot Ion: 59 Resp: 130340
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.4 12.6

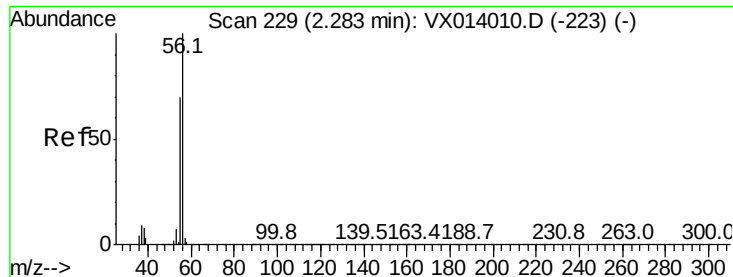


#12

1,1-Dichloroethene
 Concen: 19.340 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion: 96 Resp: 103108
 Ion Ratio Lower Upper
 96 100
 61 165.7 127.9 191.9
 98 67.2 50.5 75.7





#13

Acrolein

Concen: 75.486 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

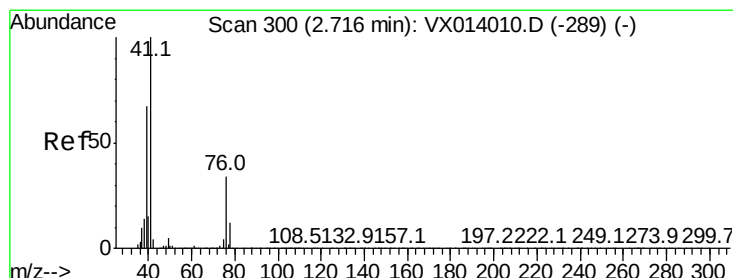
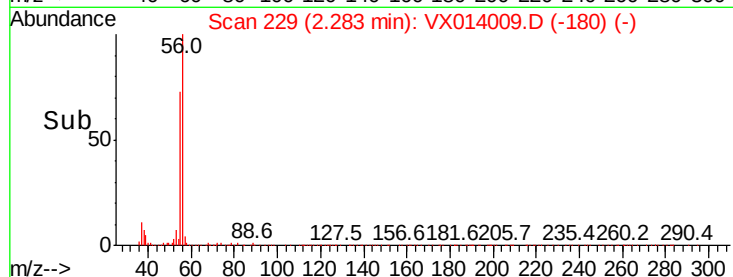
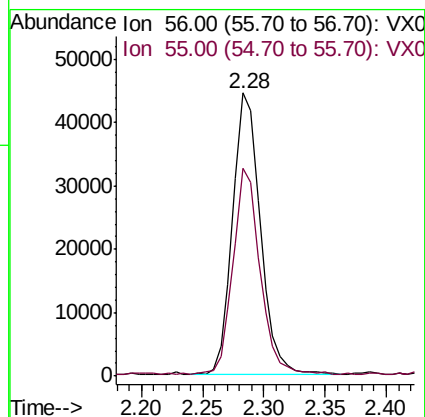
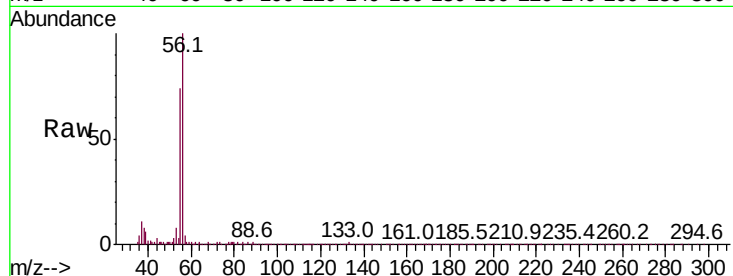
VSTDIC020

Tot Ion: 56 Resp: 69453

Ion Ratio Lower Upper

56 100

55 71.2 56.9 85.3



#14

Allyl chloride

Concen: 19.482 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

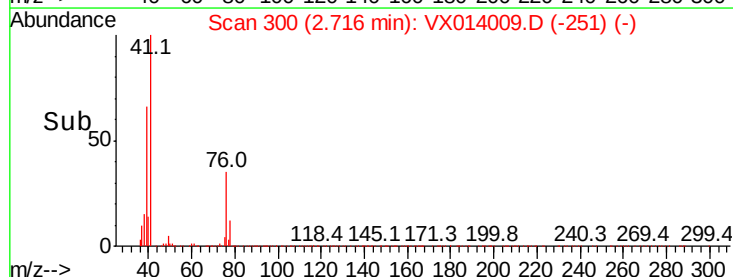
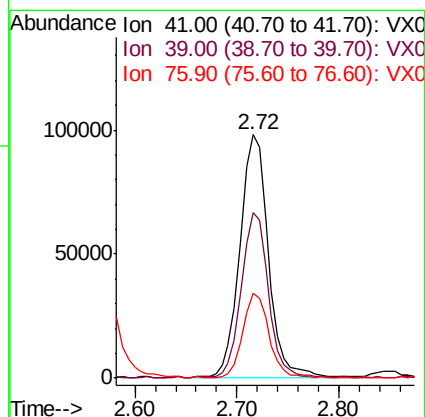
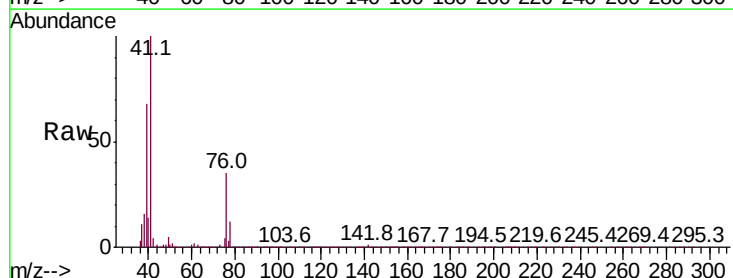
Tgt Ion: 41 Resp: 188334

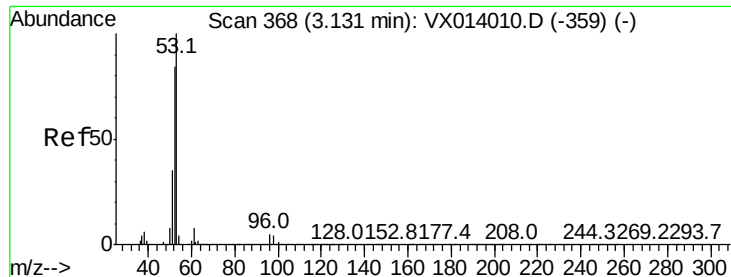
Ion Ratio Lower Upper

41 100

39 64.5 51.8 77.8

76 31.5 25.9 38.9





#15

Acrylonitrile

Concen: 95.565 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

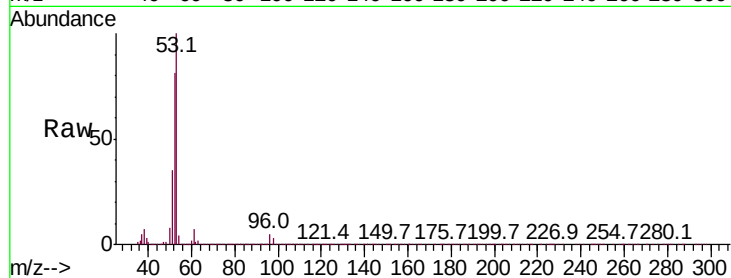
Tot Ion: 53 Resp: 314077

Ion Ratio Lower Upper

53 100

52 82.8 66.5 99.7

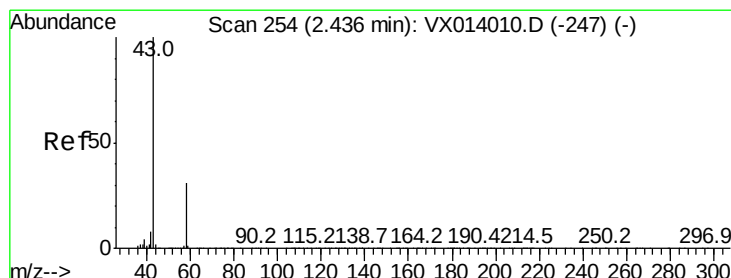
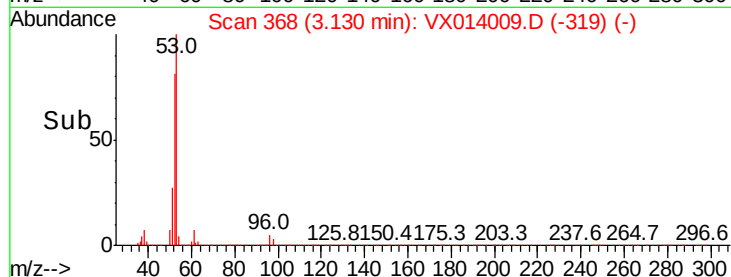
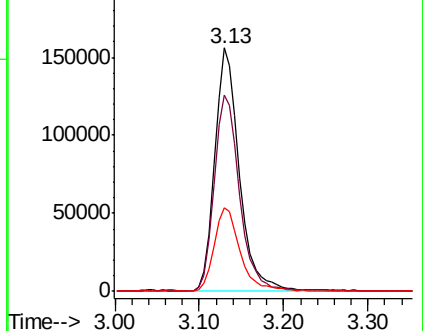
51 35.7 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 130.969 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX014009.D

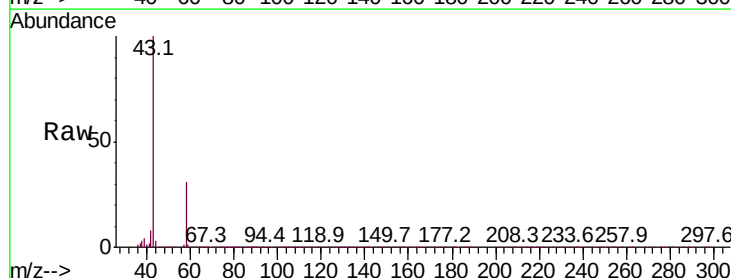
Acq: 13 Dec 2019 15:36

Tgt Ion: 43 Resp: 442352

Ion Ratio Lower Upper

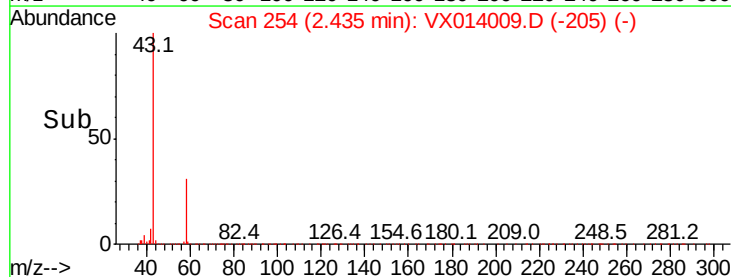
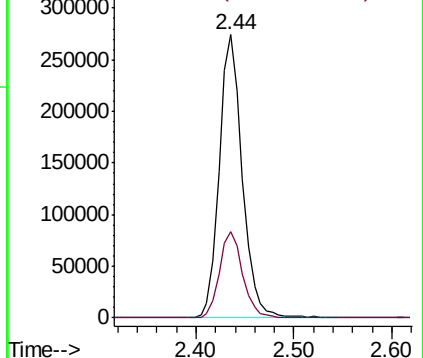
43 100

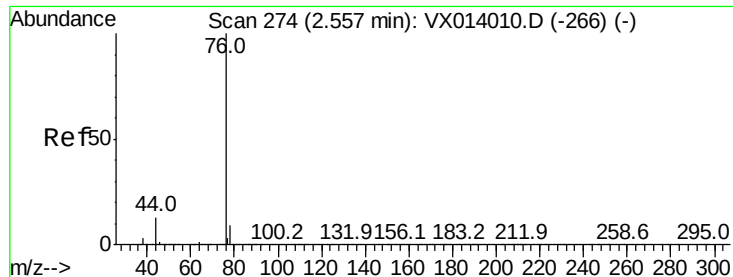
58 30.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.978 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

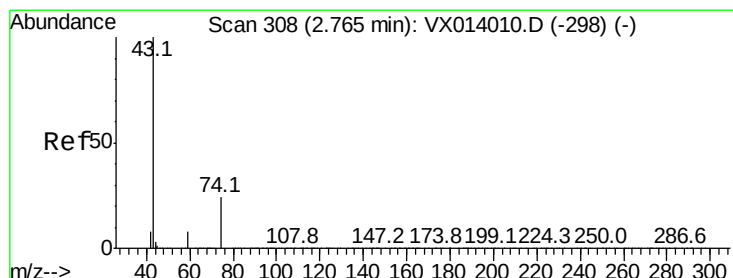
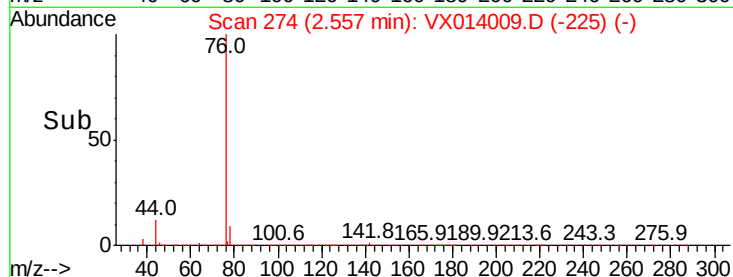
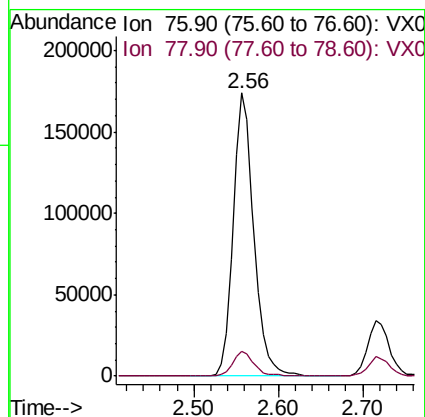
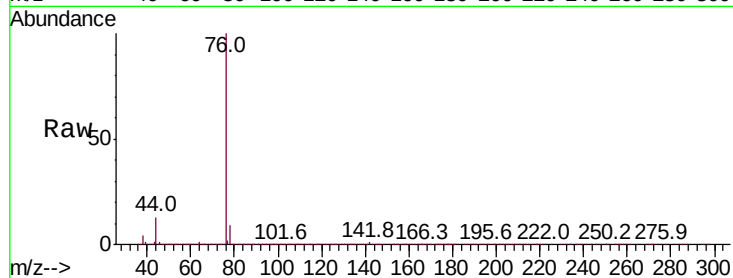
VSTDIC020

Tot Ion: 76 Resp: 289015

Ion Ratio Lower Upper

76 100

78 8.5 7.2 10.8



#18

Methyl Acetate

Concen: 18.036 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX014009.D

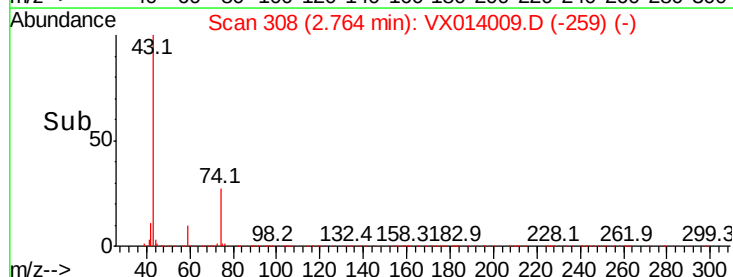
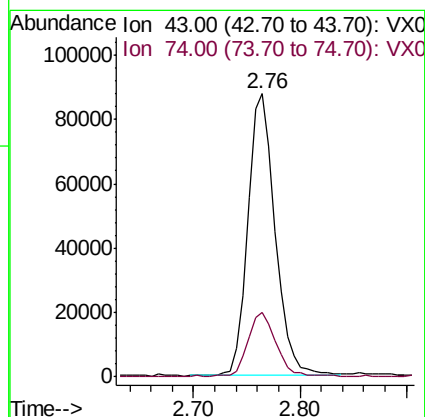
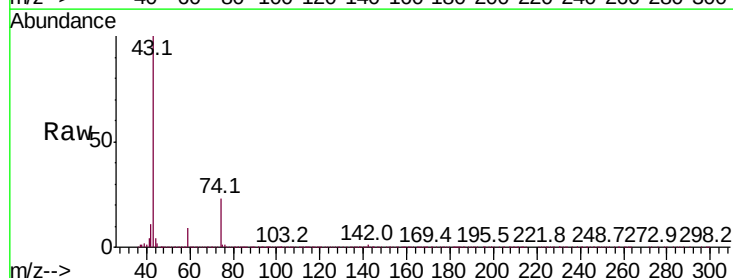
Acq: 13 Dec 2019 15:36

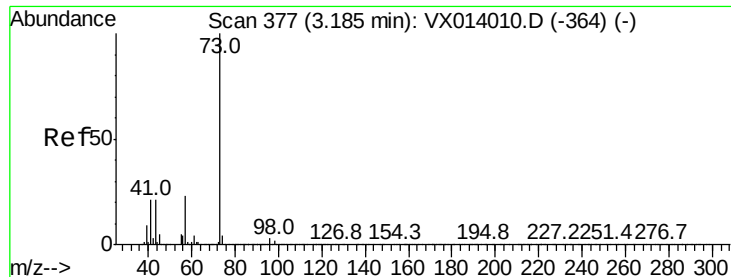
Tgt Ion: 43 Resp: 157554

Ion Ratio Lower Upper

43 100

74 23.1 19.5 29.3

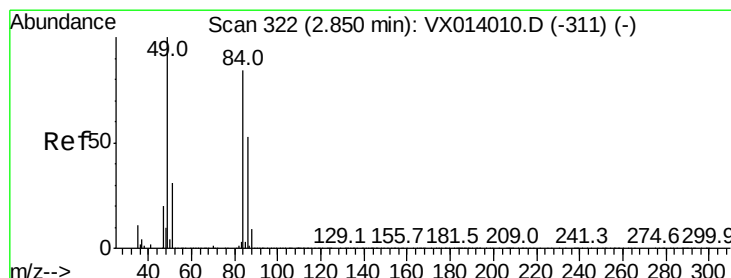
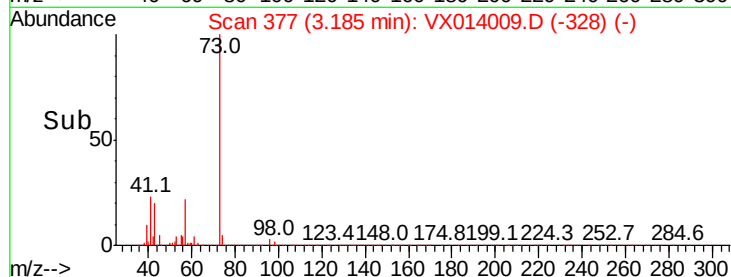
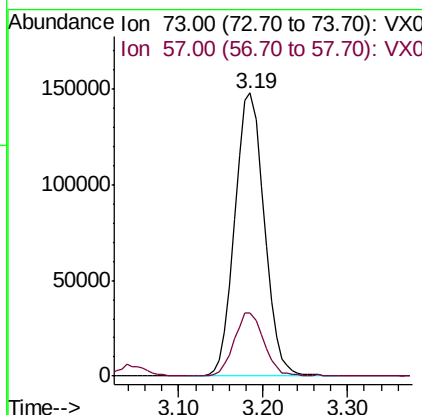
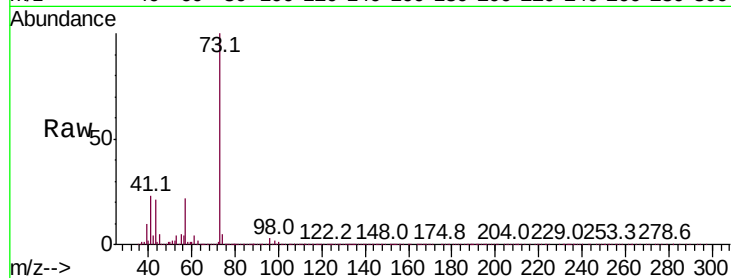




#19
Methyl tert-butyl Ether
Concen: 19.657 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

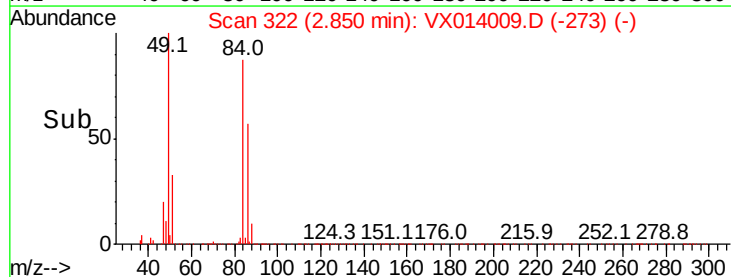
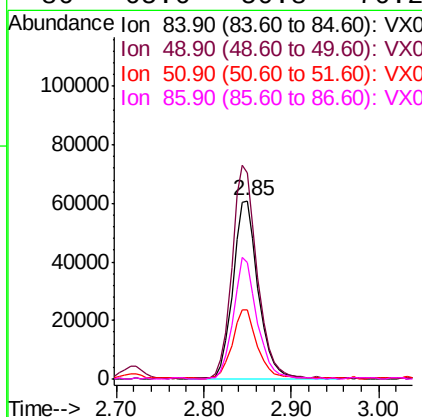
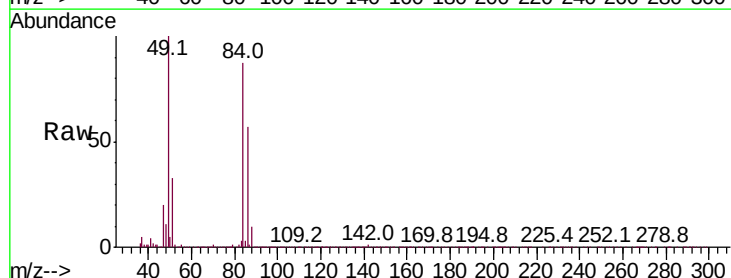
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

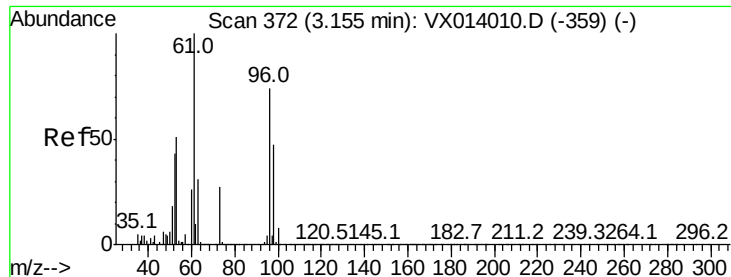
Tot Ion: 73 Resp: 347847
Ion Ratio Lower Upper
73 100
57 22.0 18.8 28.2



#20
Methylene Chloride
Concen: 19.786 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion: 84 Resp: 122540
Ion Ratio Lower Upper
84 100
49 115.3 95.8 143.6
51 38.2 29.8 44.8
86 65.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.351 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

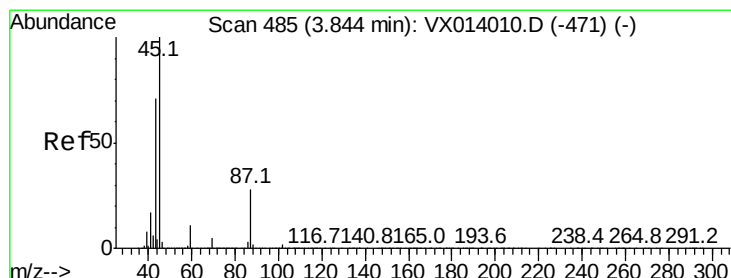
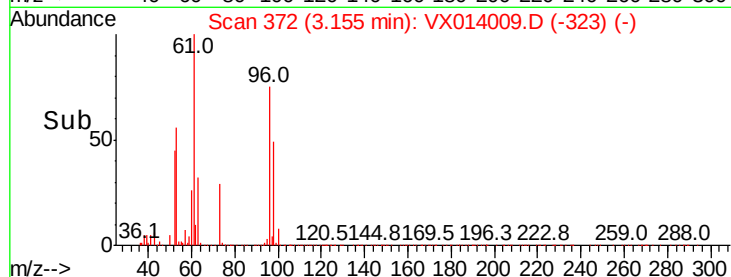
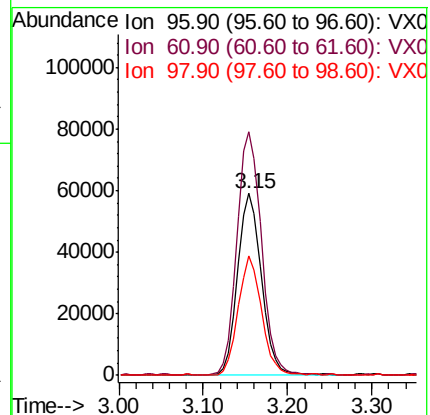
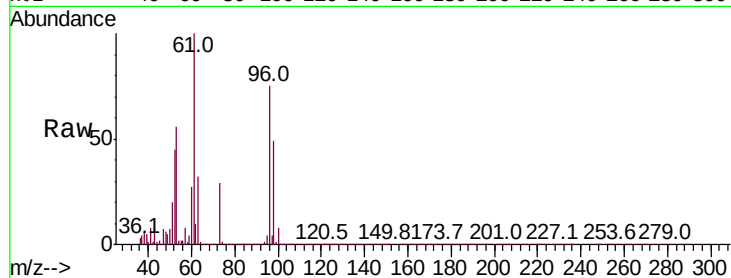
Tot Ion: 96 Resp: 112594

Ion Ratio Lower Upper

96 100

61 134.0 108.3 162.5

98 65.7 50.8 76.2



#22

Diisopropyl ether

Concen: 20.286 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion: 45 Resp: 379412

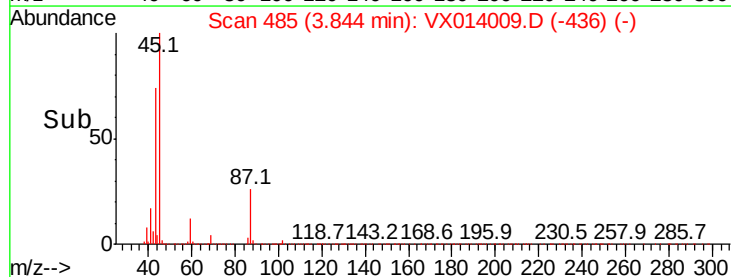
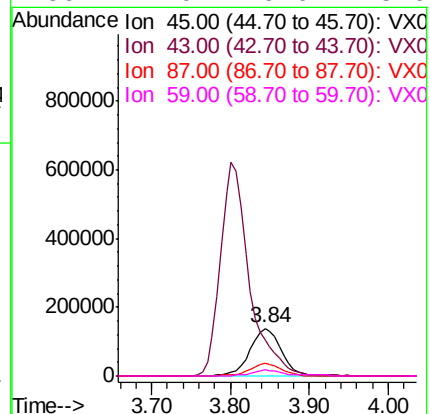
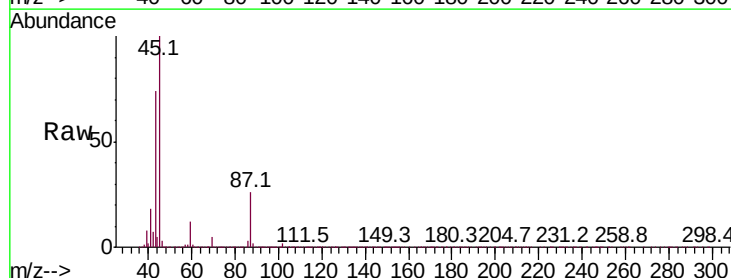
Ion Ratio Lower Upper

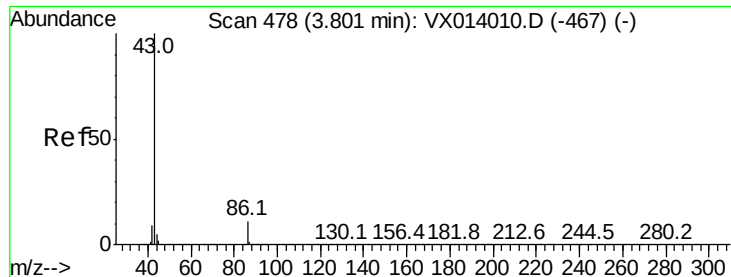
45 100

43 73.6 57.4 86.0

87 26.2 21.9 32.9

59 12.0 9.0 13.6





#23

Vinyl Acetate

Concen: 102.476 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

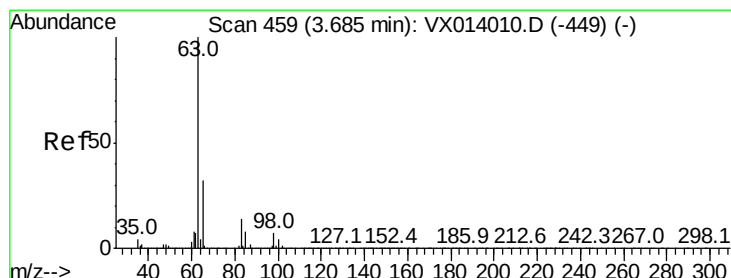
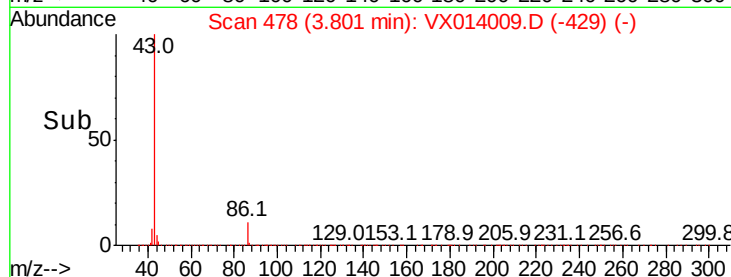
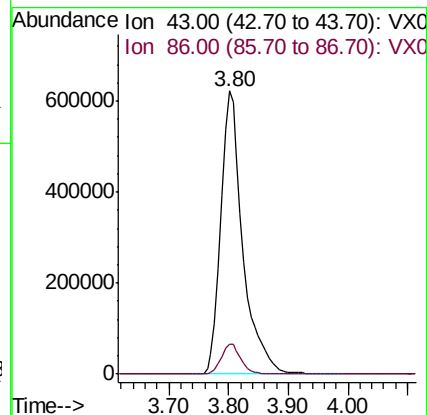
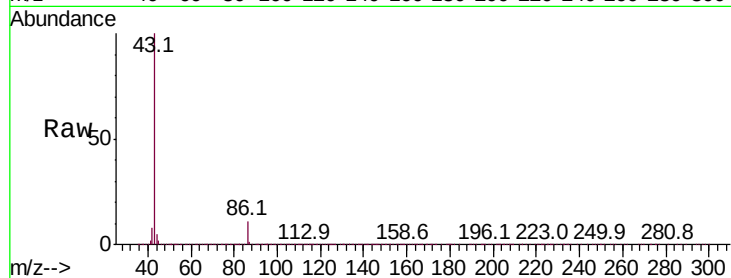
VSTDIC020

Tot Ion: 43 Resp: 1591288

Ion Ratio Lower Upper

43 100

86 10.7 8.6 12.8



#24

1,1-Dichloroethane

Concen: 19.815 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

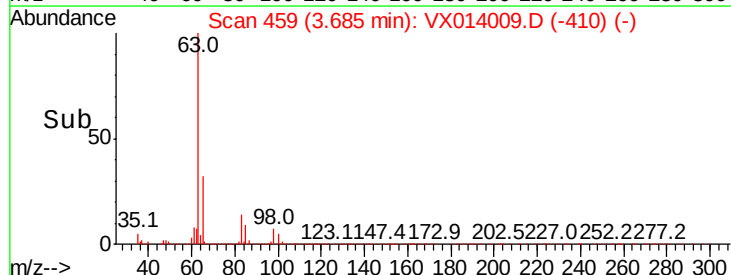
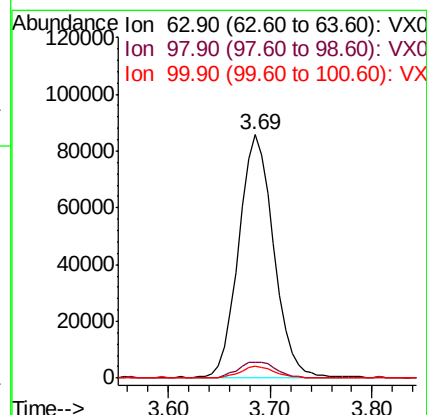
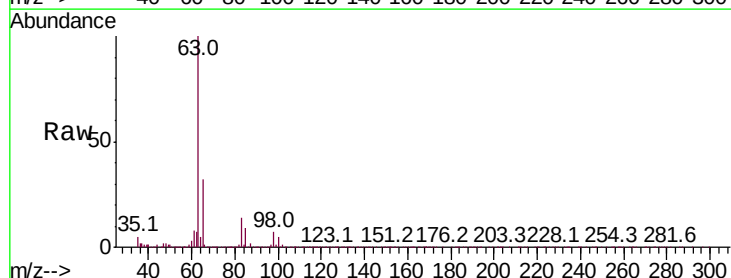
Tgt Ion: 63 Resp: 202585

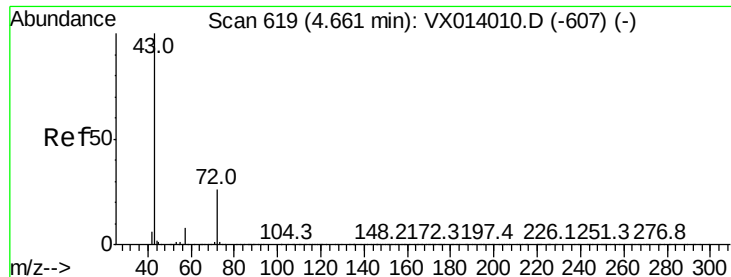
Ion Ratio Lower Upper

63 100

98 6.3 3.6 10.8

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 110.165 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

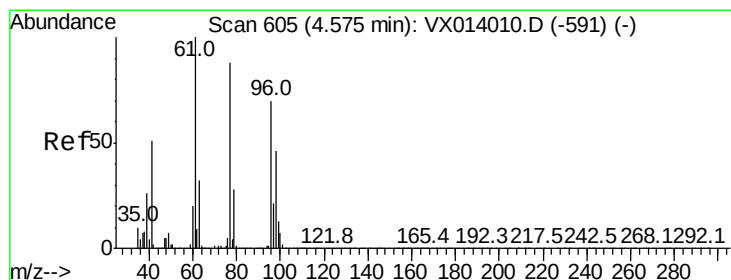
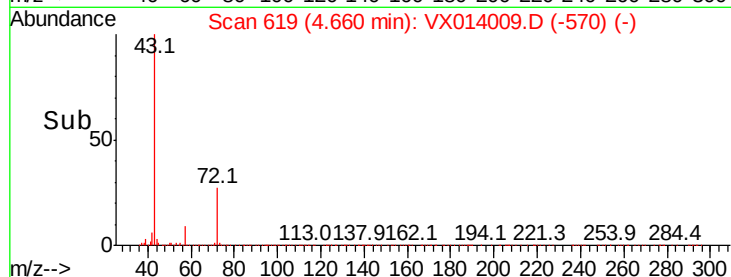
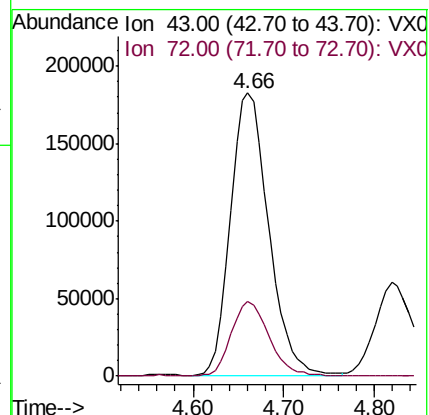
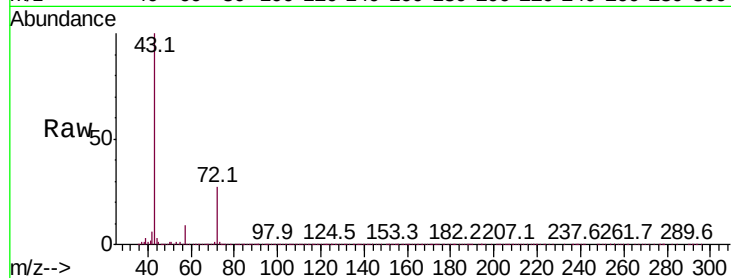
VSTDIC020

Tot Ion: 43 Resp: 531013

Ion Ratio Lower Upper

43 100

72 26.3 21.0 31.4



#26

2,2-Dichloropropane

Concen: 18.932 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014009.D

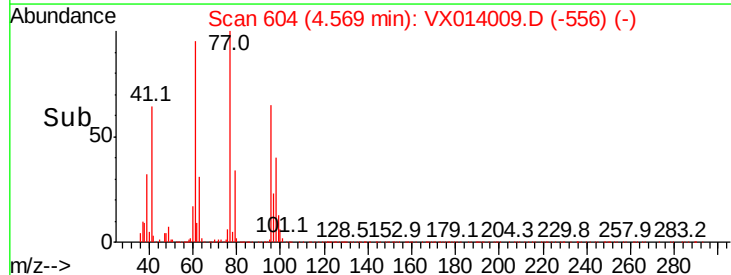
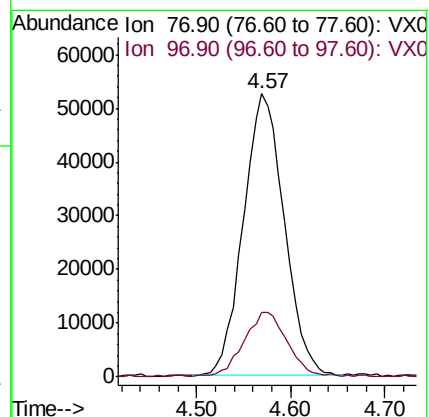
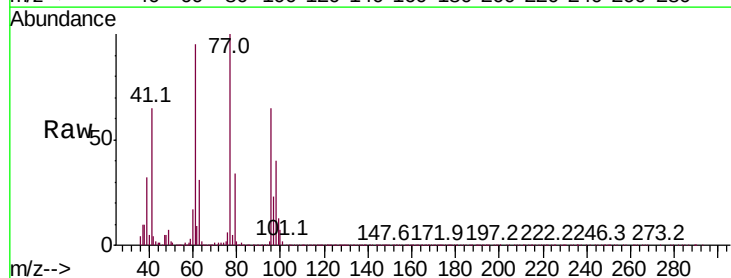
Acq: 13 Dec 2019 15:36

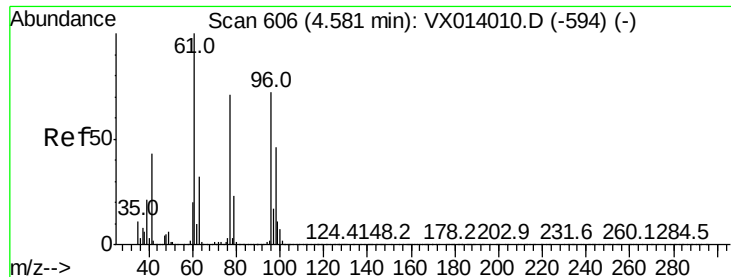
Tgt Ion: 77 Resp: 159499

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.9



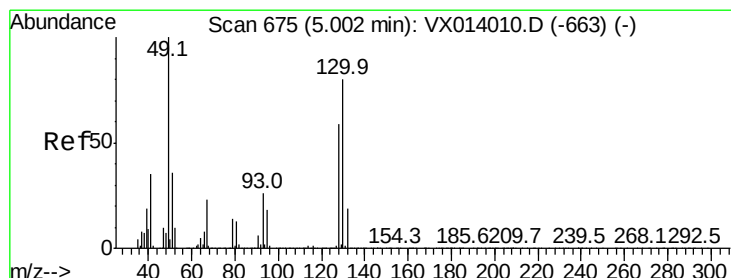
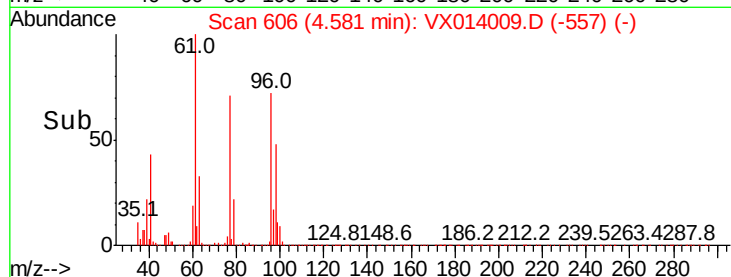
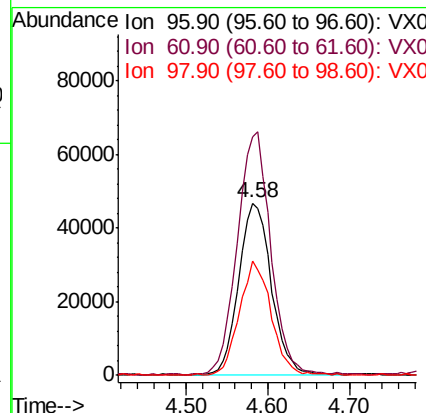
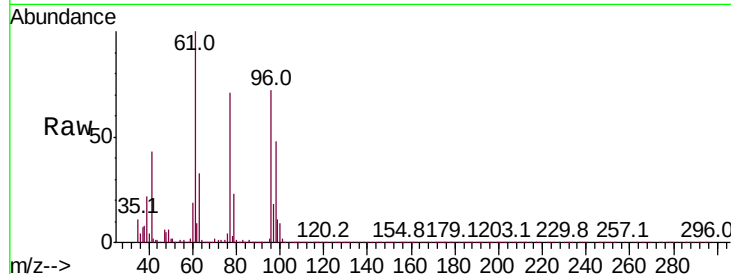


#27

cis-1,2-Dichloroethene
 Concen: 19.357 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

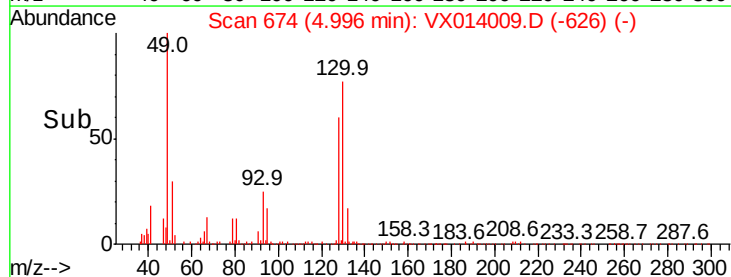
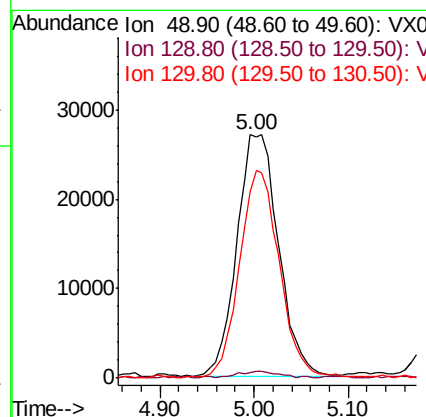
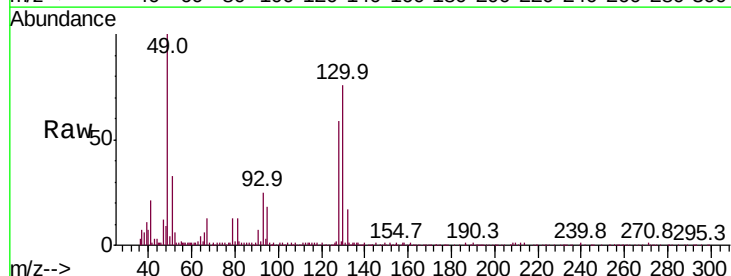
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	288.4
98	63.6	0.0	129.6

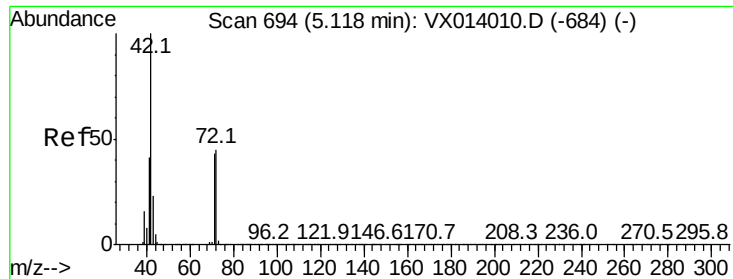


#28

Bromochloromethane
 Concen: 23.237 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.0
130	81.3	64.6	97.0

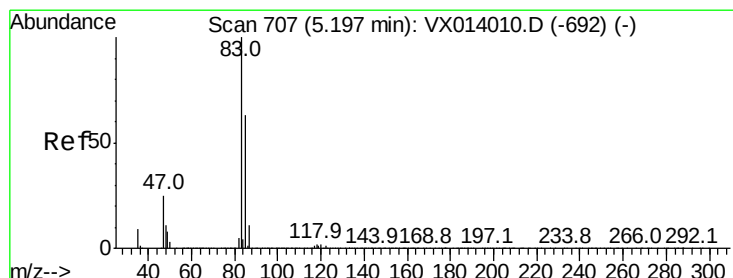
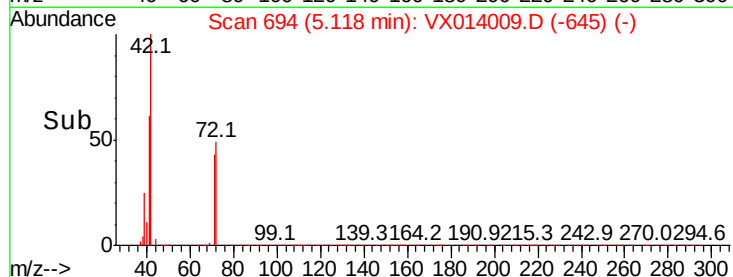
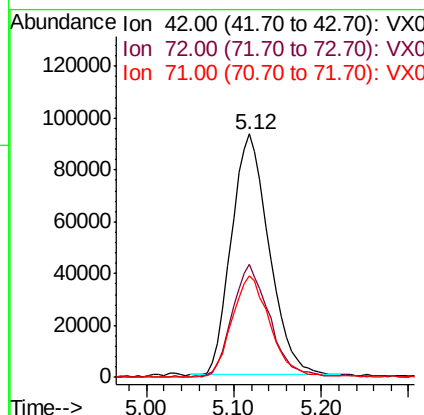
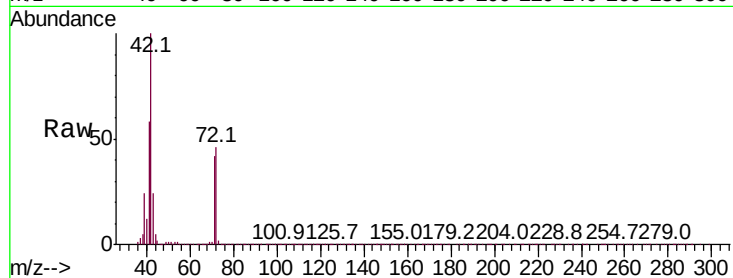




#29
Tetrahydrofuran
Concen: 95.681 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

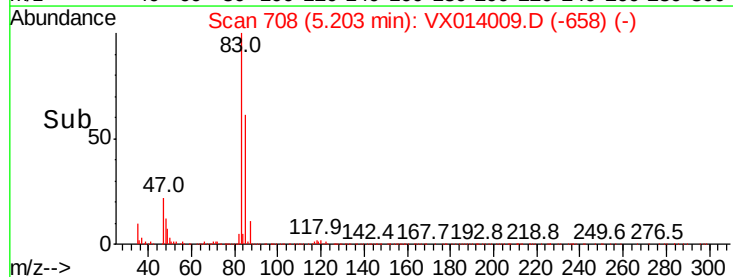
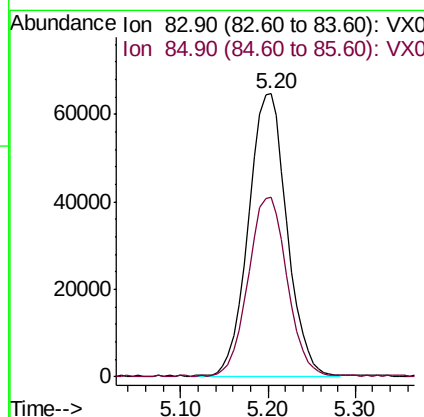
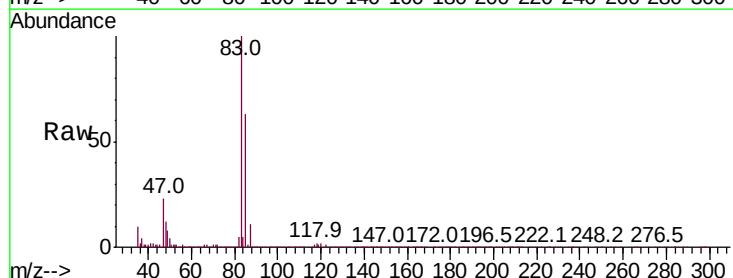
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

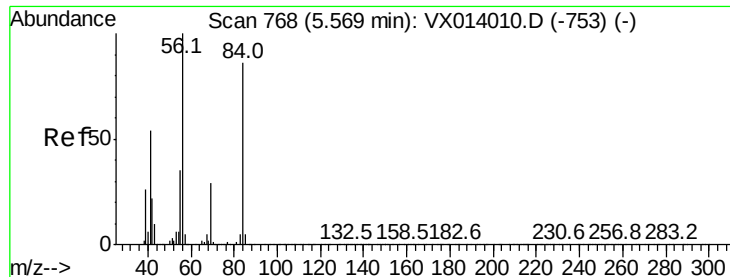
Tot Ion: 42 Resp: 278007
Ion Ratio Lower Upper
42 100
72 46.2 35.8 53.8
71 42.7 33.6 50.4



#30
Chloroform
Concen: 19.149 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion: 83 Resp: 198154
Ion Ratio Lower Upper
83 100
85 63.1 50.8 76.2

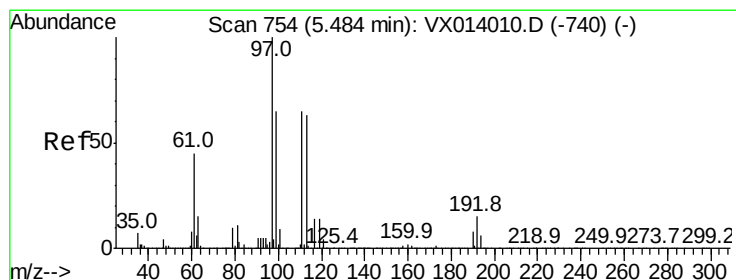
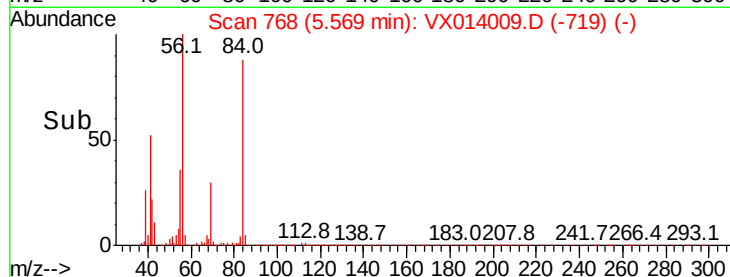
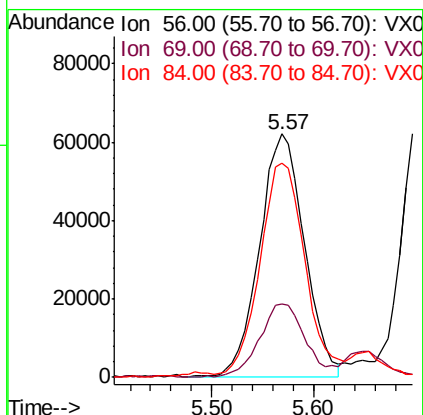
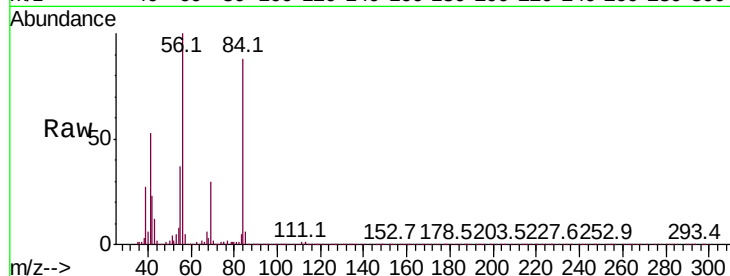




#31
Cyclohexane
Concen: 19.501 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

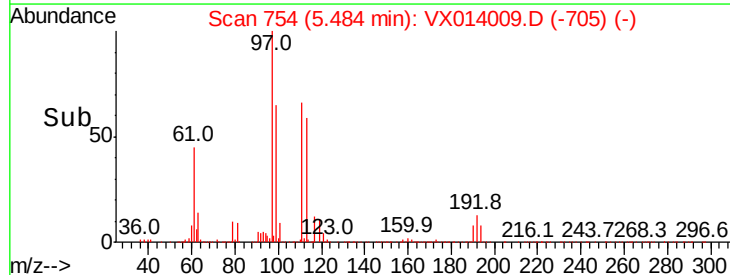
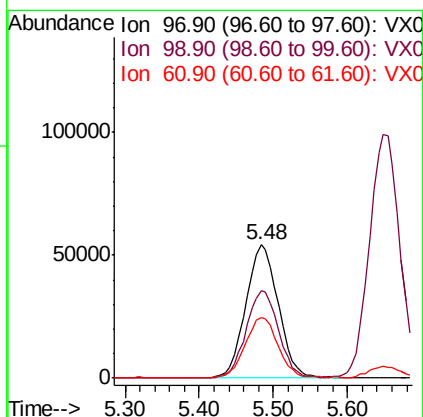
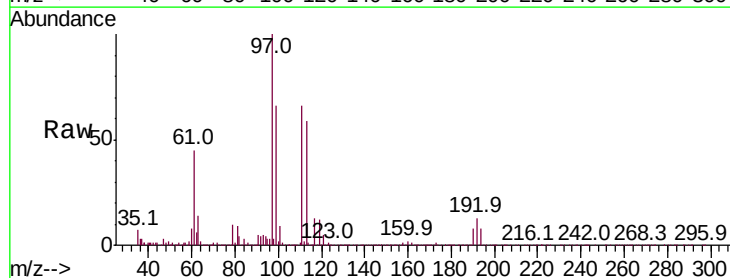
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

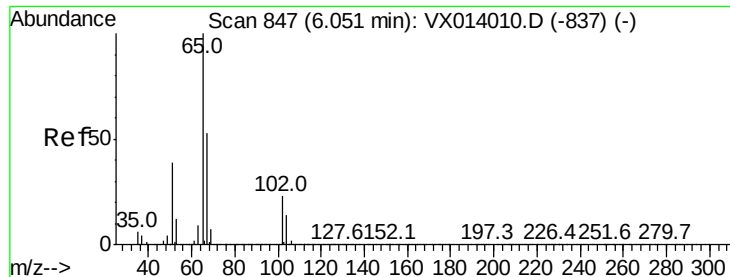
Tot Ion: 56 Resp: 188485
Ion Ratio Lower Upper
56 100
69 30.1 23.2 34.8
84 87.4 69.2 103.8



#32
1,1,1-Trichloroethane
Concen: 19.179 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion: 97 Resp: 165760
Ion Ratio Lower Upper
97 100
99 65.1 52.0 78.0
61 46.4 36.7 55.1

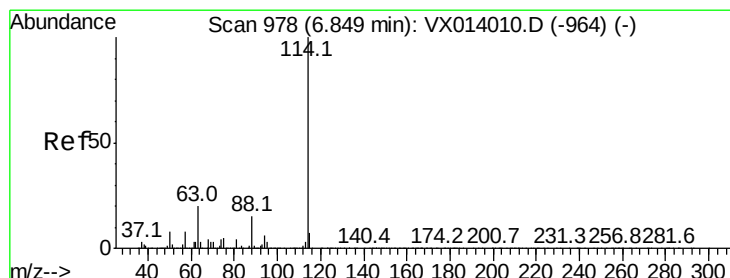
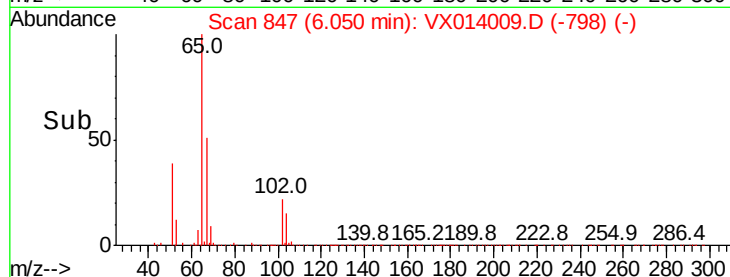
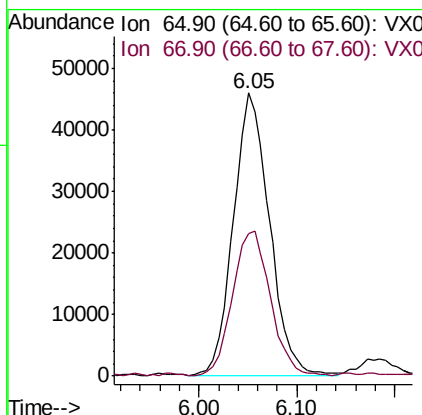
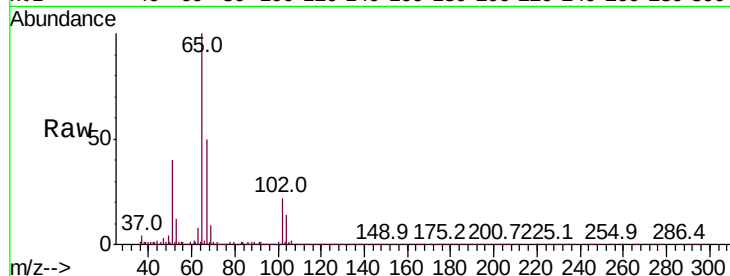




#33
 1,2-Dichloroethane-d4
 Concen: 17.897 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

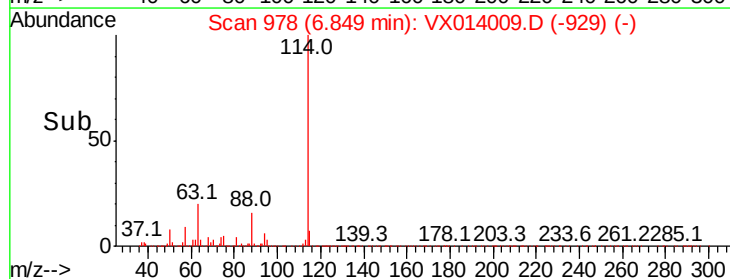
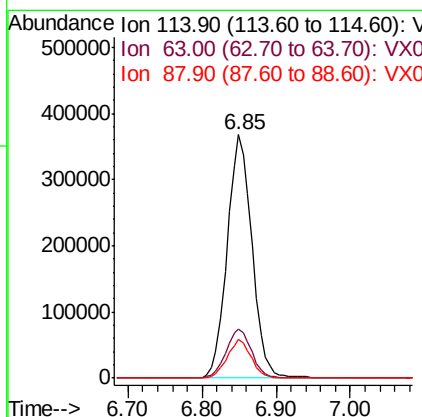
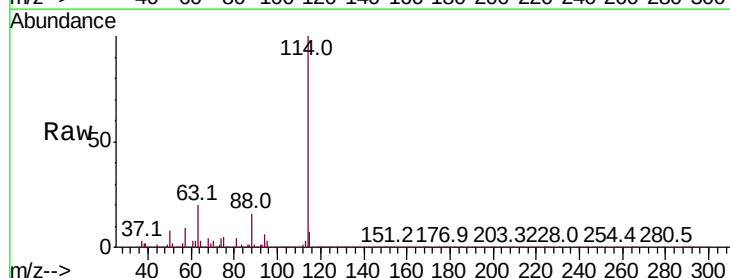
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

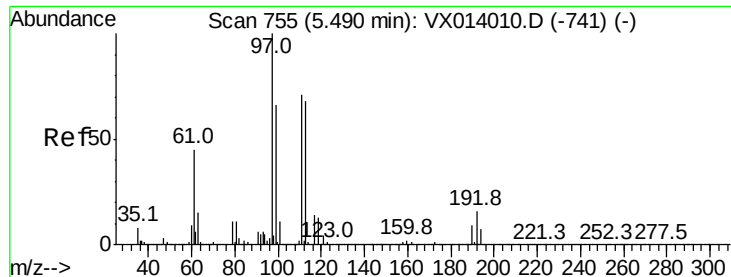
Tot Ion: 65 Resp: 116759
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion: 114 Resp: 855896
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 17.763 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

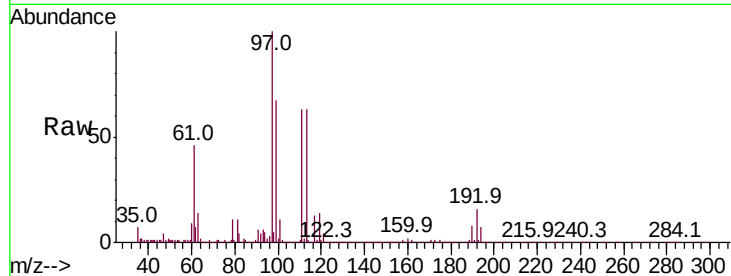
Tot Ion:113 Resp: 94491

Ion Ratio Lower Upper

113 100

111 104.7 82.0 123.0

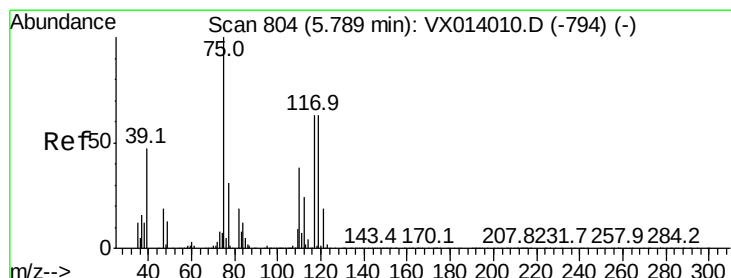
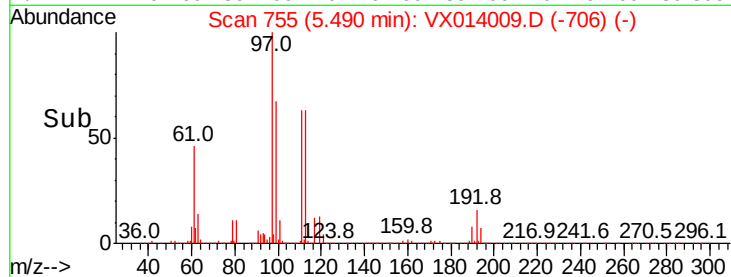
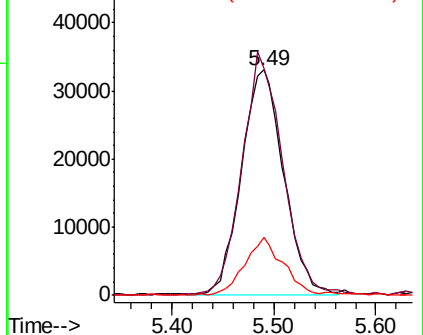
192 24.5 19.3 28.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.299 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

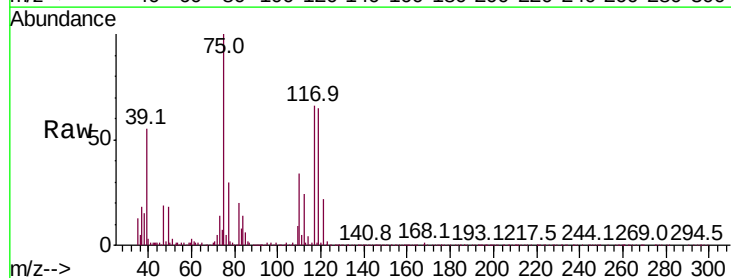
Tgt Ion: 75 Resp: 150043

Ion Ratio Lower Upper

75 100

110 35.3 18.3 54.9

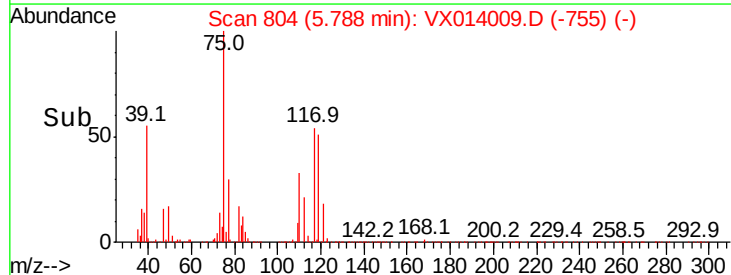
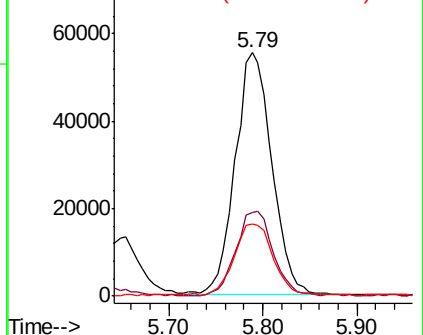
77 31.2 24.8 37.2

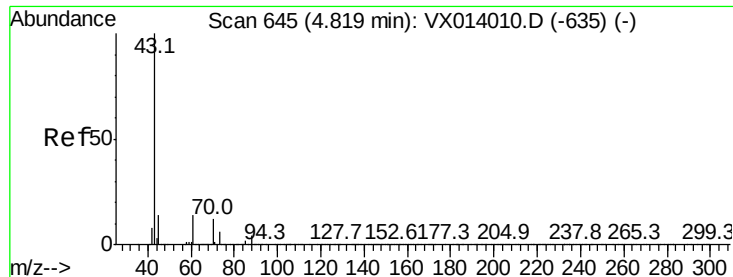


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

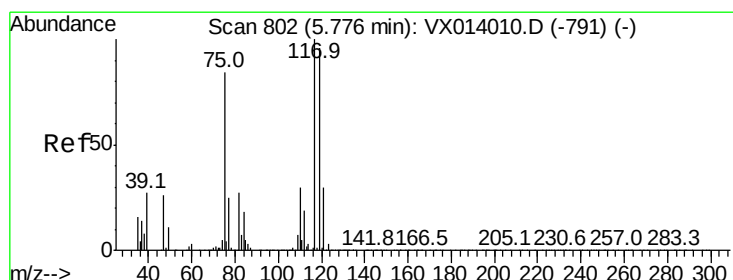
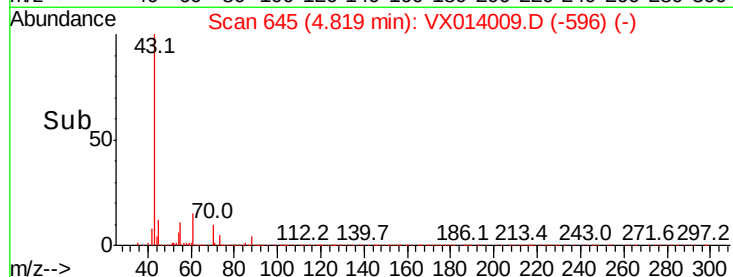
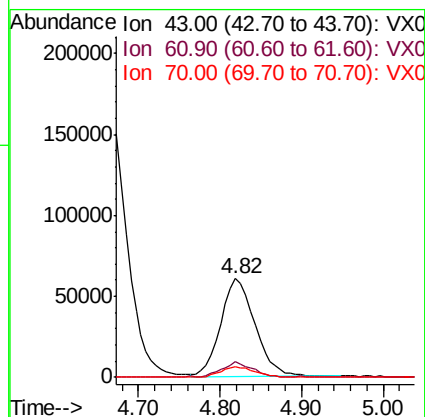
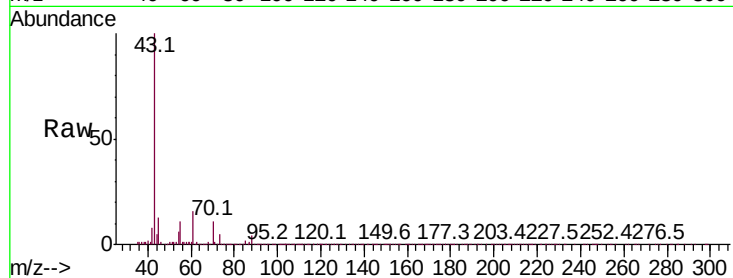




#37
Ethyl Acetate
Concen: 20.322 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

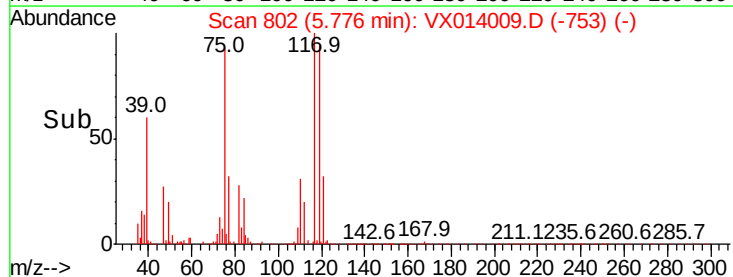
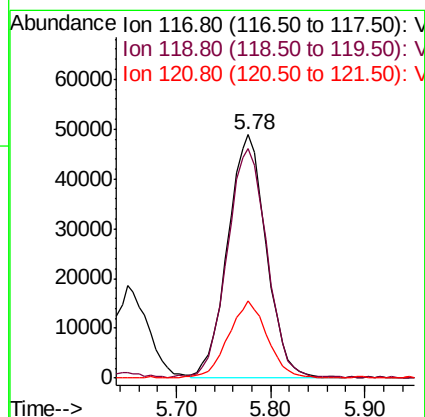
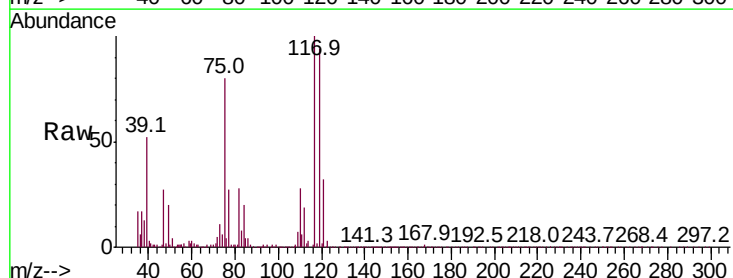
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

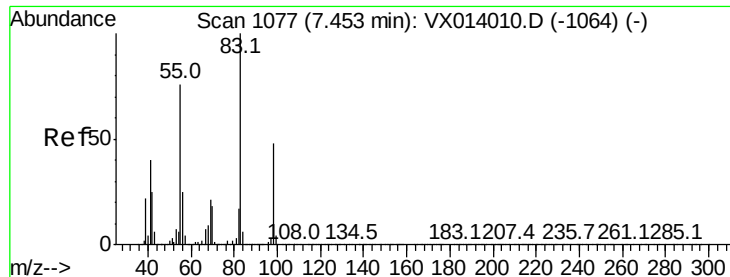
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.8	16.2
70	10.5	8.6	12.8



#38
Carbon Tetrachloride
Concen: 19.190 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.2	114.4
121	32.0	23.6	35.4

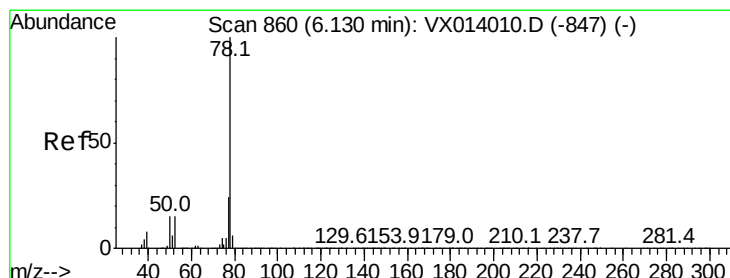
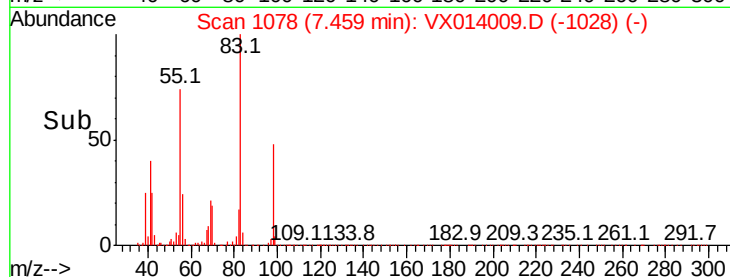
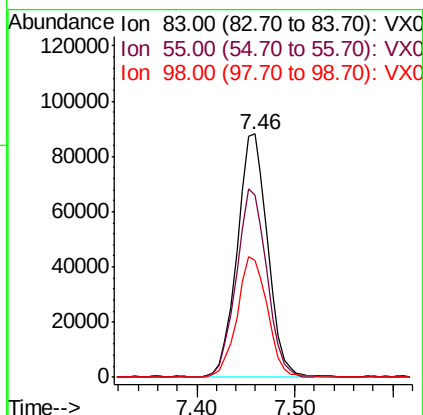
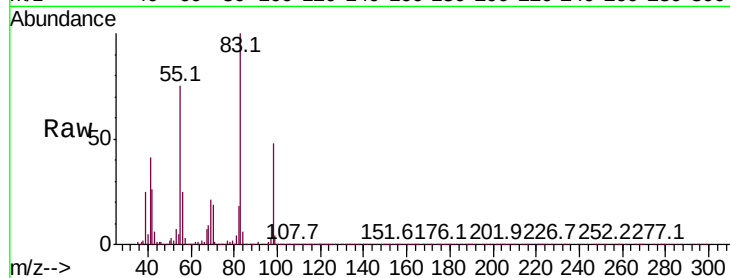




#39
Methylvlcyclohexane
Concen: 19.624 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

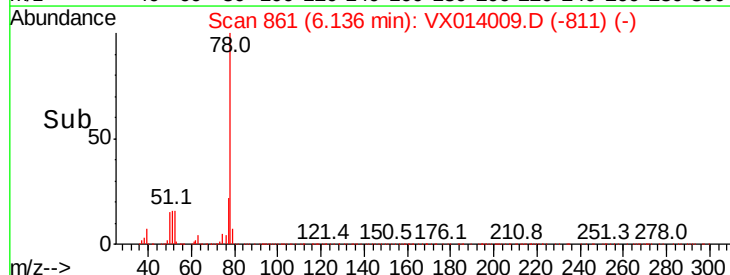
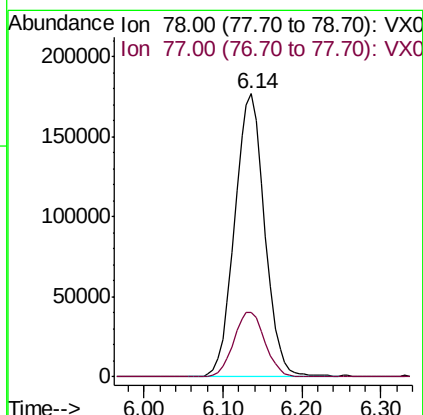
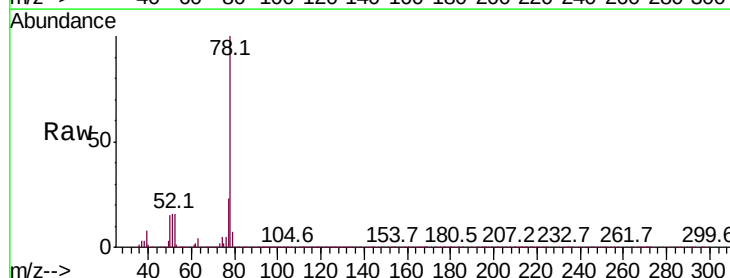
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

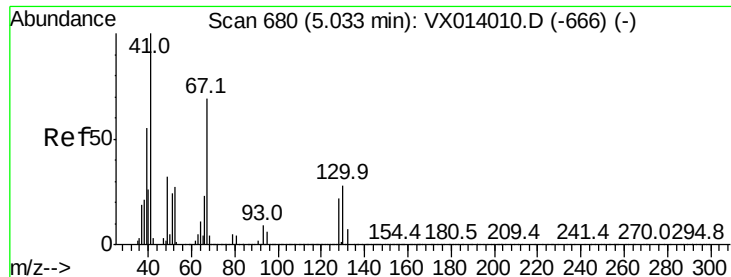
Tot Ion	83	Resp	188922
Ion Ratio	100	Lower	Upper
55	74.7	61.0	91.6
98	48.0	38.6	57.8



#40
Benzene
Concen: 19.717 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	78	Resp	467882
Ion Ratio	100	Lower	Upper
77	22.8	18.8	28.2

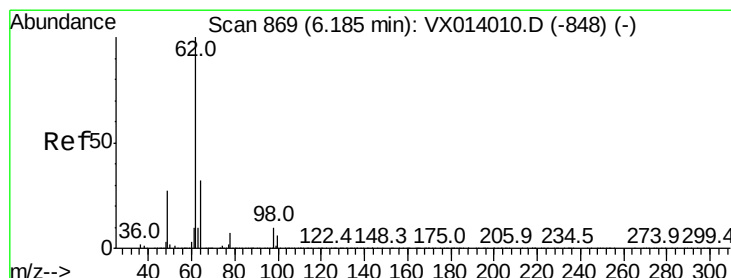
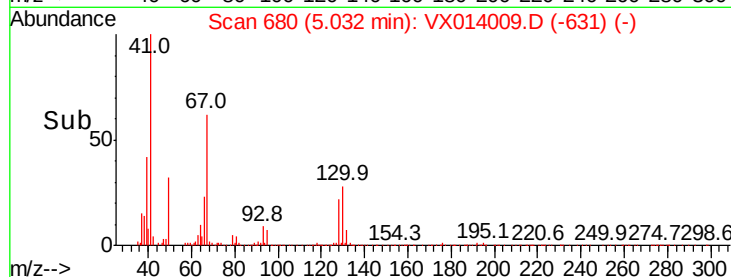
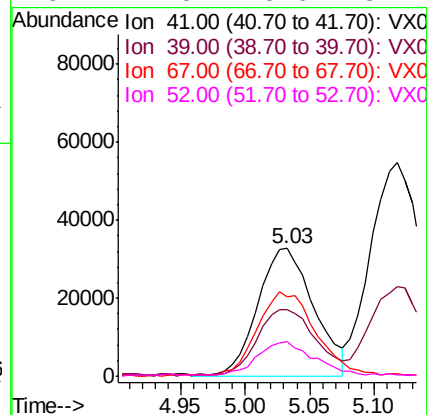
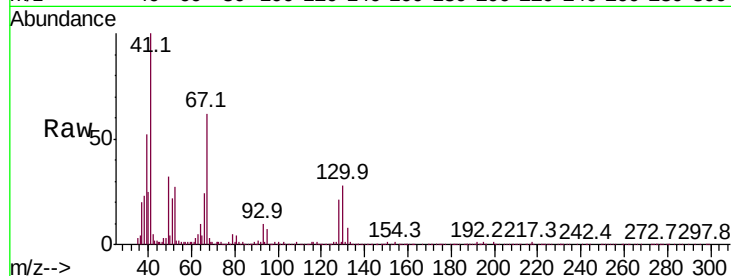




#41
Methacrylonitrile
Concen: 20.757 ug/l
RT: 5.03 min Scan# 680
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

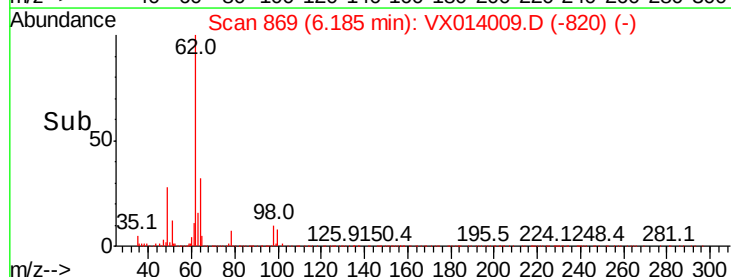
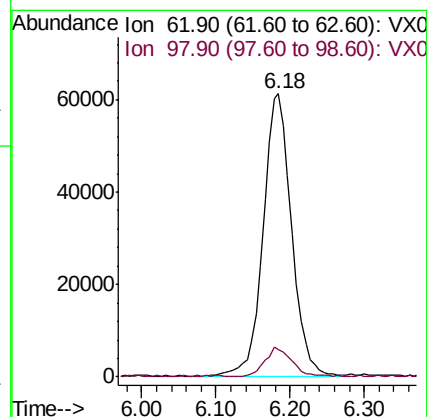
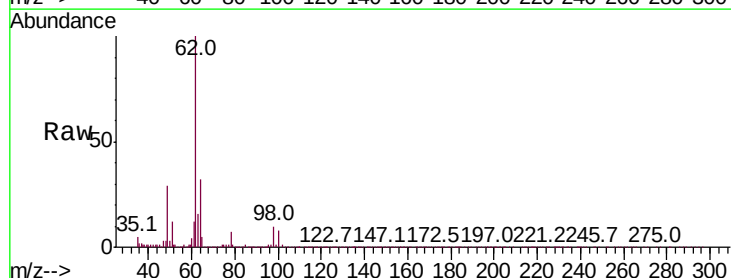
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

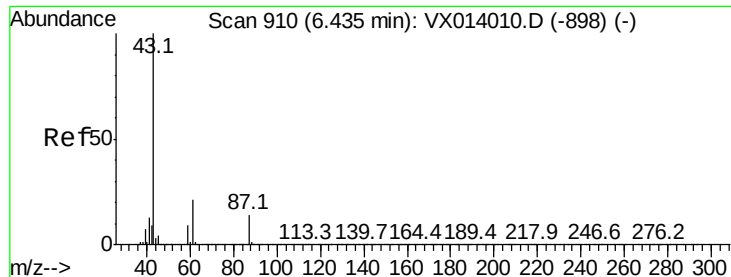
Tot Ion:	41	Resp:	98272
Ion	Ratio	Lower	Upper
41	100		
39	54.0	44.5	66.7
67	68.5	57.4	86.0
52	27.3	23.0	34.4



#42
1,2-Dichloroethane
Concen: 20.343 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion:	62	Resp:	164380
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	21.0





#43

Isopropyl Acetate

Concen: 19.464 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

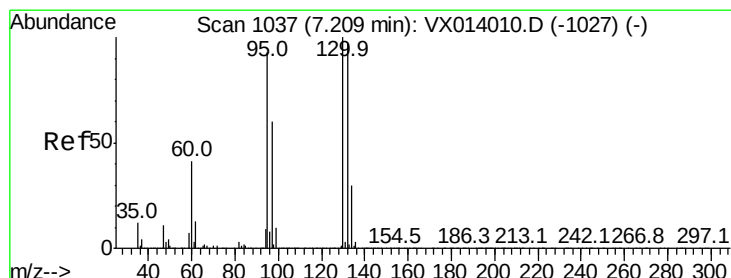
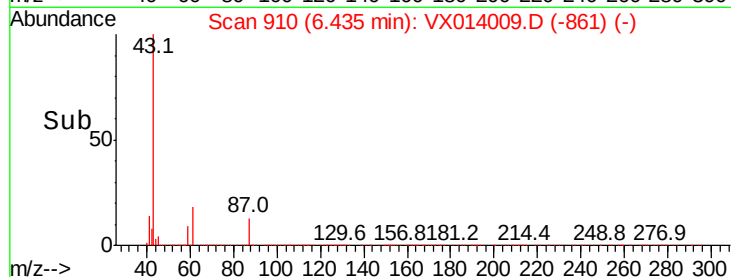
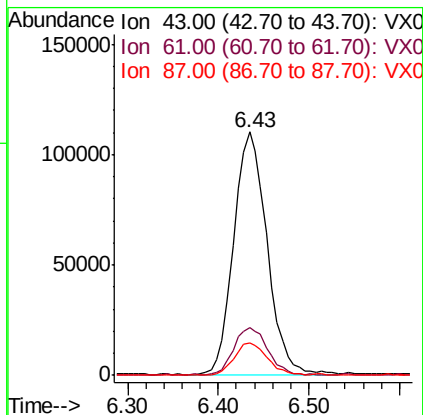
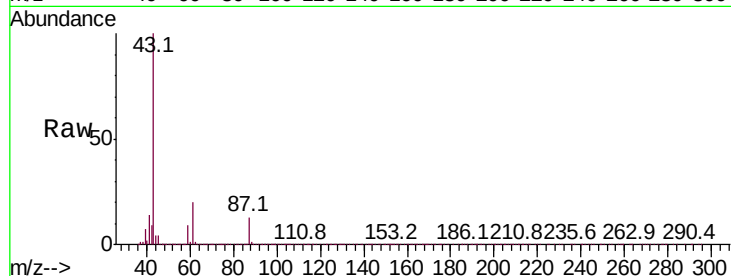
Tot Ion: 43 Resp: 278854

Ion Ratio Lower Upper

43 100

61 19.9 16.4 24.6

87 13.1 10.7 16.1



#44

Trichloroethene

Concen: 19.026 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014009.D

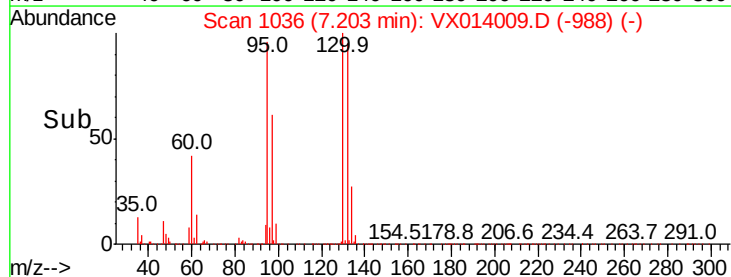
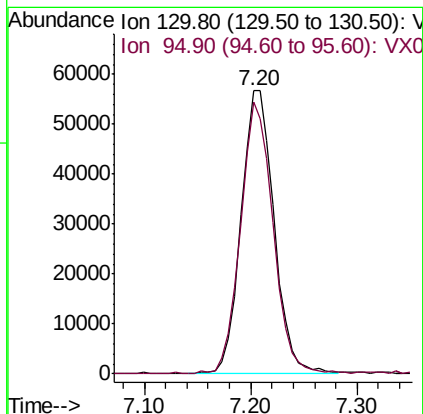
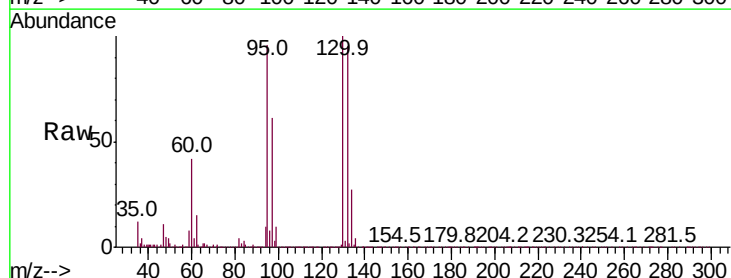
Acq: 13 Dec 2019 15:36

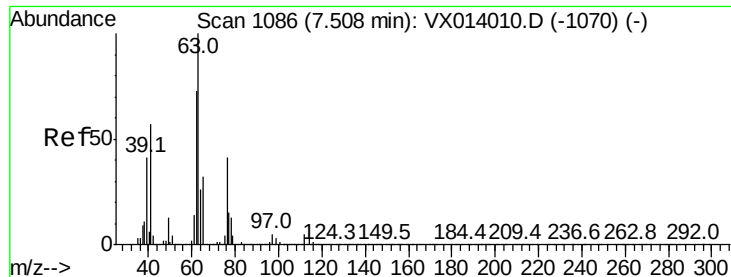
Tgt Ion:130 Resp: 123460

Ion Ratio Lower Upper

130 100

95 95.8 0.0 185.6





#45

1,2-Dichloropropane

Concen: 20.417 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

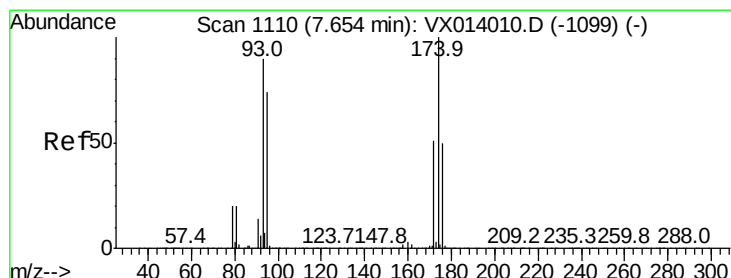
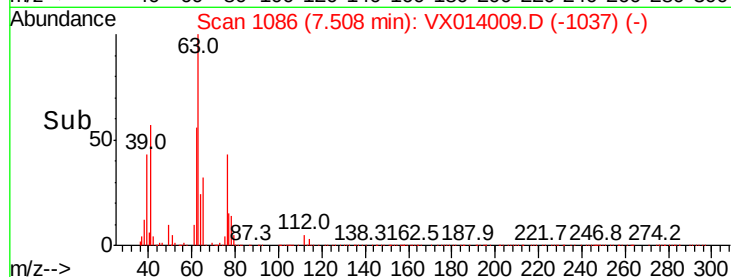
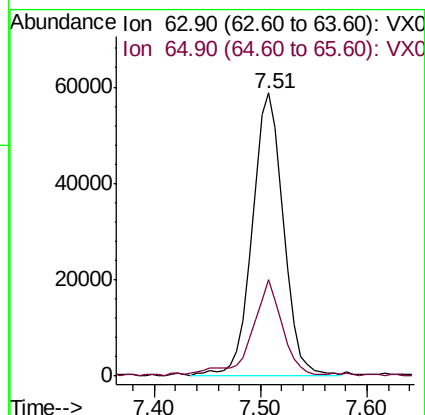
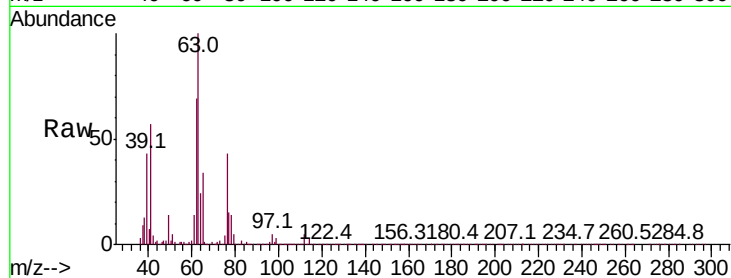
VSTDIC020

Tot Ion: 63 Resp: 121446

Ion Ratio Lower Upper

63 100

65 33.4 25.8 38.8



#46

Dibromomethane

Concen: 19.342 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

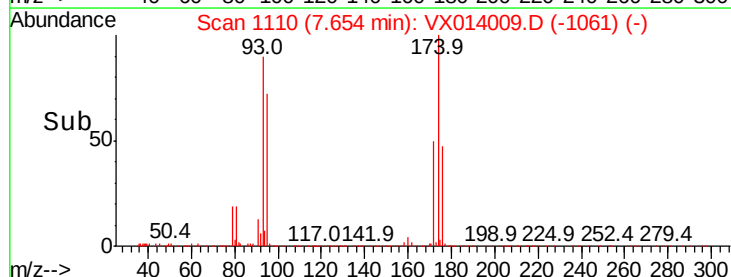
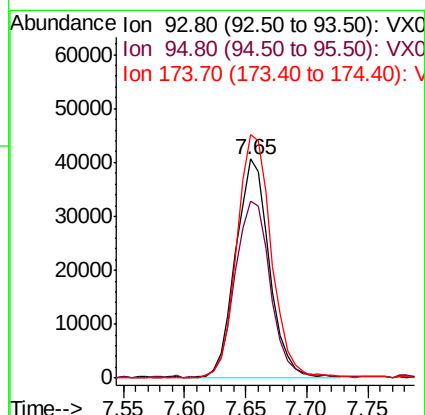
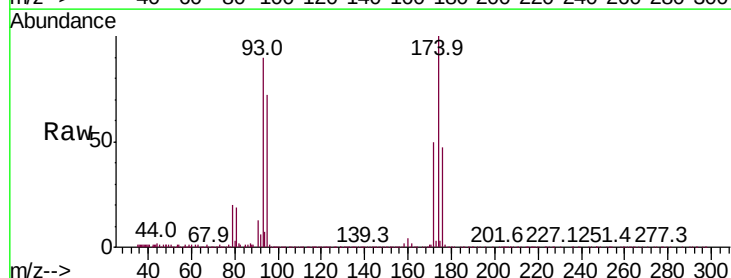
Tgt Ion: 93 Resp: 77866

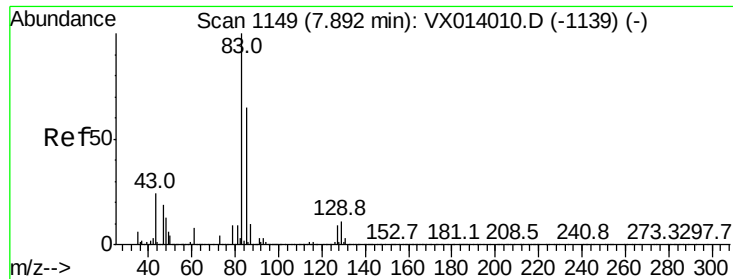
Ion Ratio Lower Upper

93 100

95 83.5 67.3 100.9

174 113.8 91.6 137.4





#47

Bromodichloromethane

Concen: 19.300 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

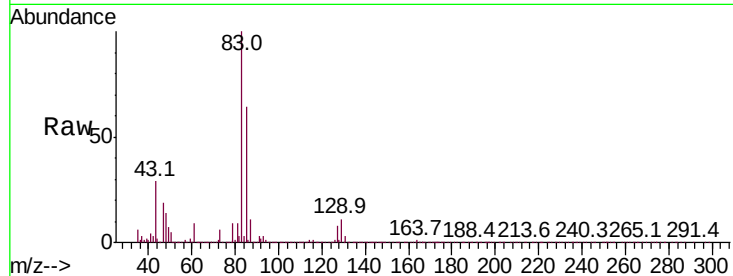
Tot Ion: 83 Resp: 146845

Ion Ratio Lower Upper

83 100

85 63.4 51.8 77.8

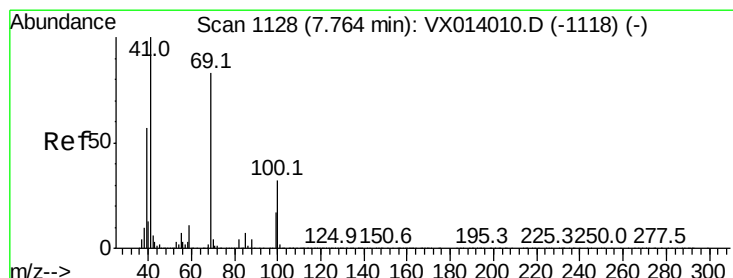
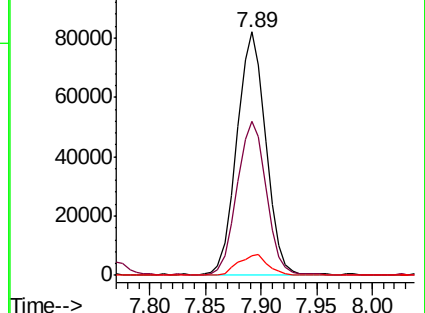
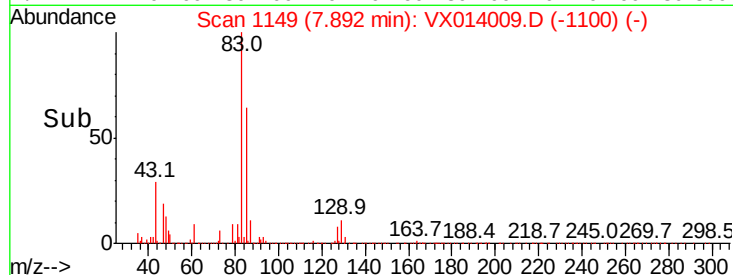
127 8.0 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.994 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

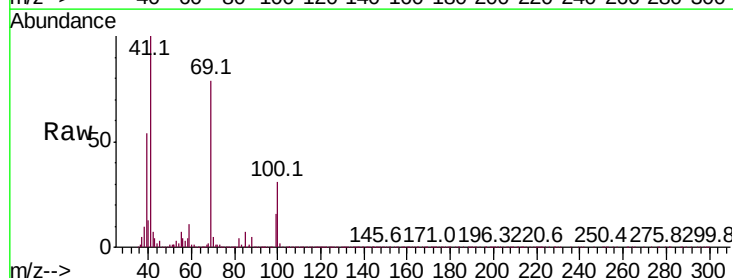
Tgt Ion: 41 Resp: 138872

Ion Ratio Lower Upper

41 100

69 80.4 65.8 98.6

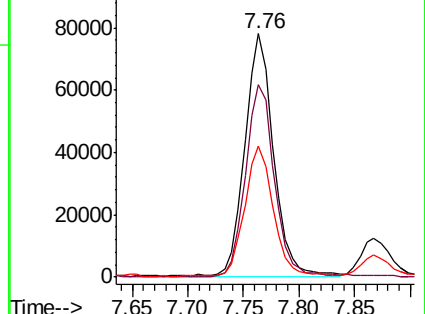
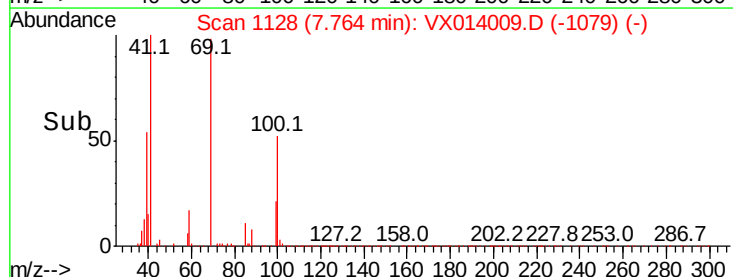
39 55.8 44.6 67.0

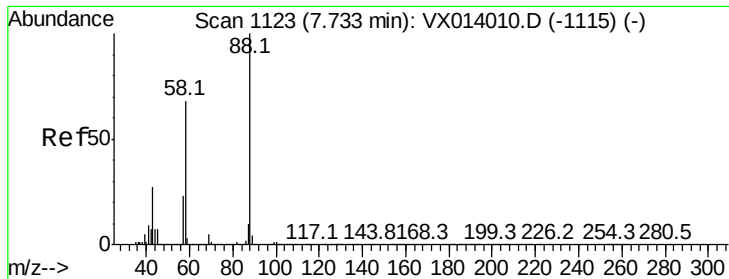


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 374.066 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

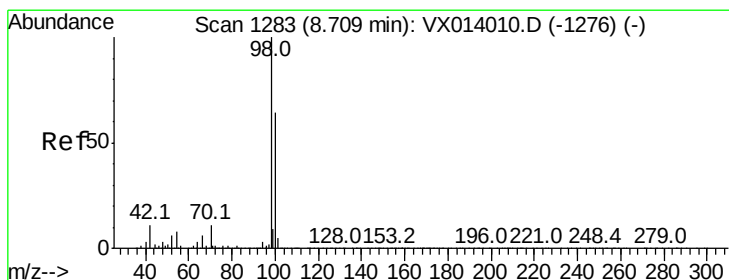
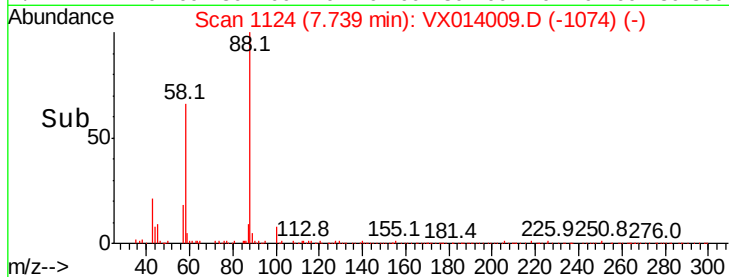
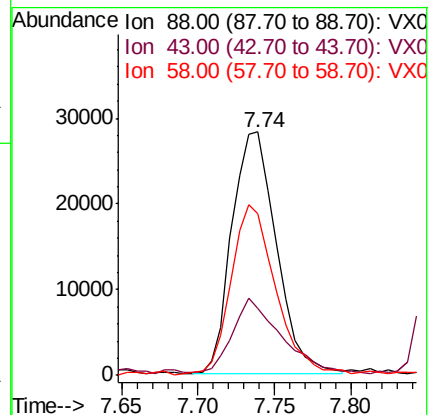
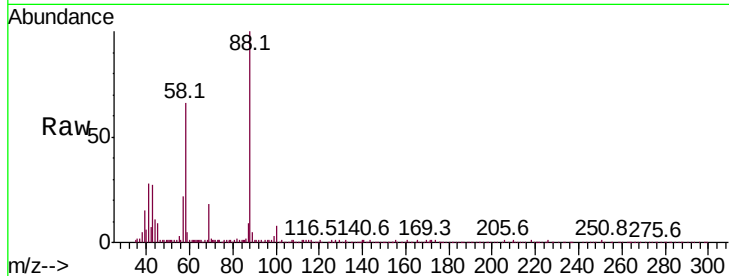
Tot Ion: 88 Resp: 57224

Ion Ratio Lower Upper

88 100

43 33.5 26.5 39.7

58 71.6 56.8 85.2



#50

Toluene-d8

Concen: 18.135 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014009.D

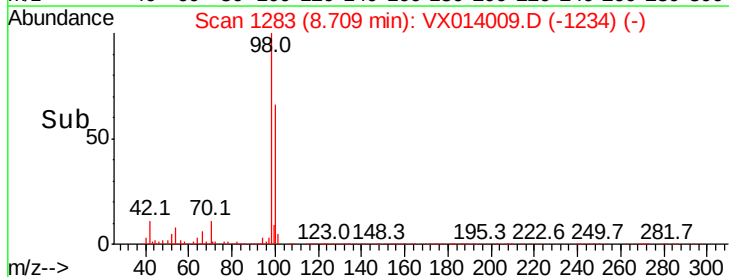
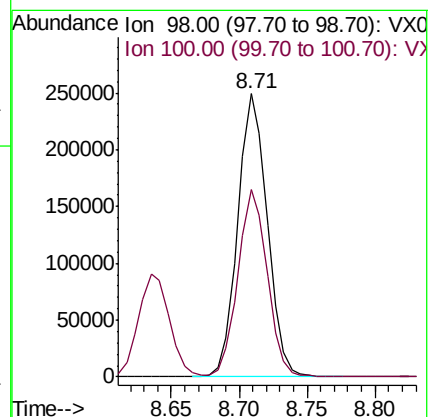
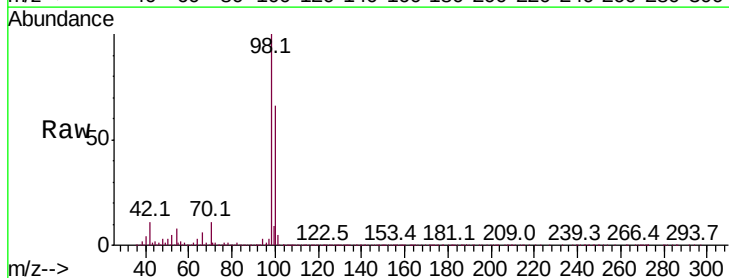
Acq: 13 Dec 2019 15:36

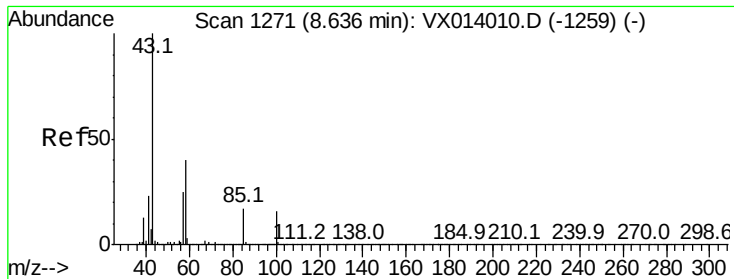
Tgt Ion: 98 Resp: 377231

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 100.248 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

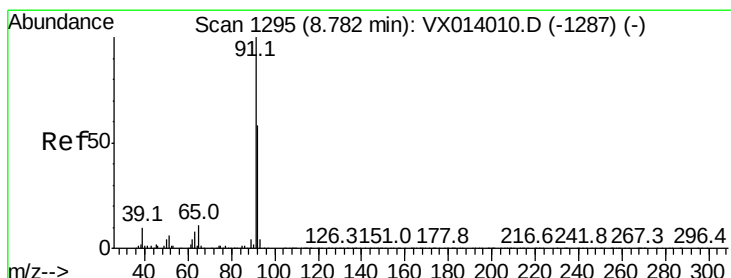
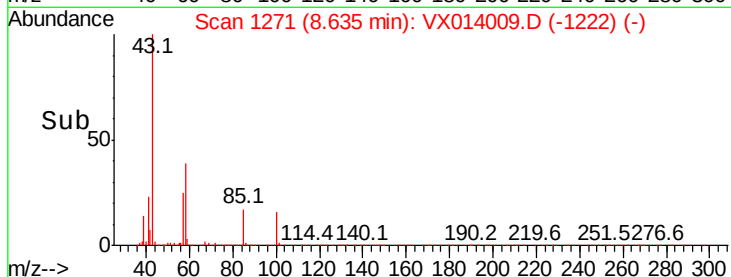
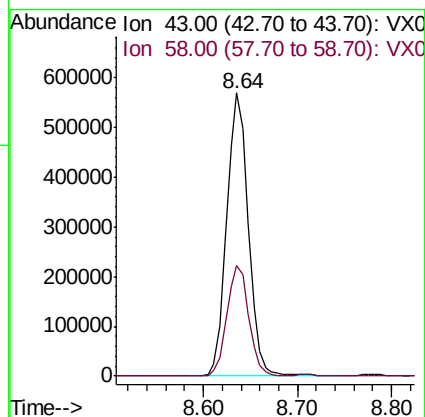
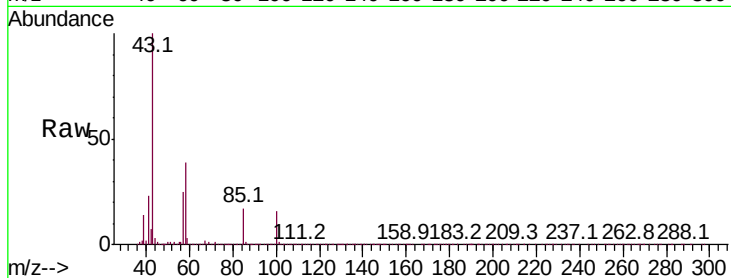
VSTDIC020

Tot Ion: 43 Resp: 901825

Ion Ratio Lower Upper

43 100

58 39.5 32.2 48.2



#52

Toluene

Concen: 20.179 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX014009.D

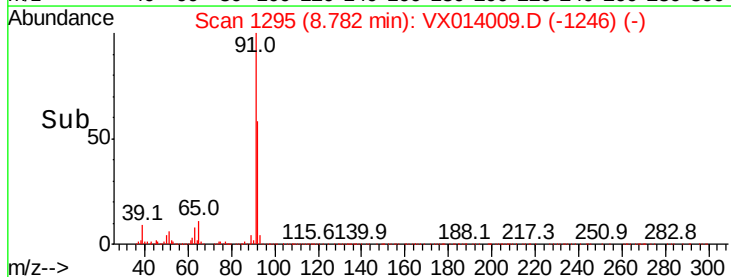
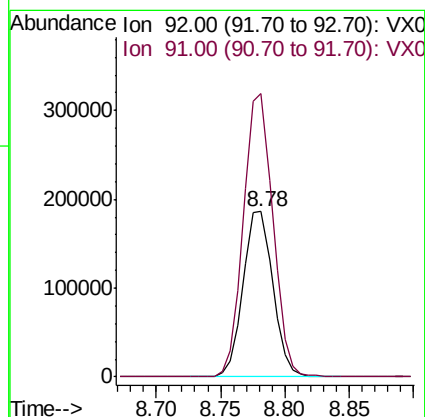
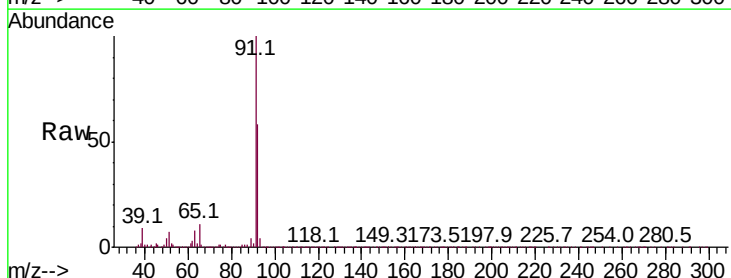
Acq: 13 Dec 2019 15:36

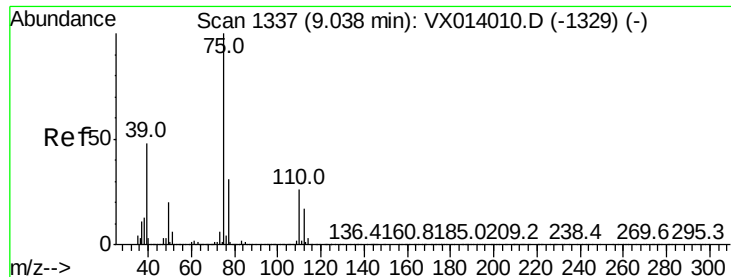
Tgt Ion: 92 Resp: 297851

Ion Ratio Lower Upper

92 100

91 169.9 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 18.924 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampled :

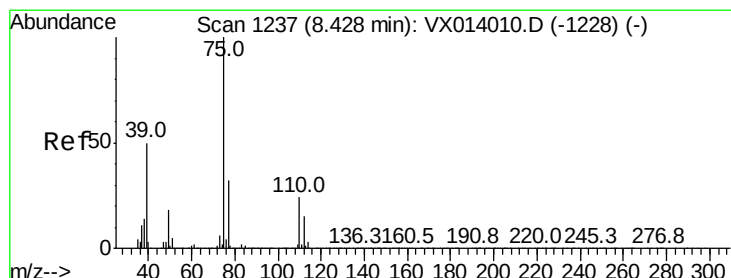
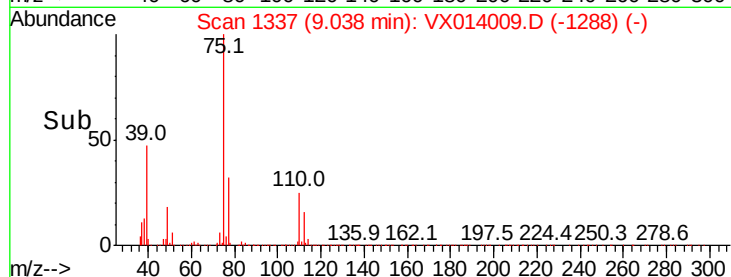
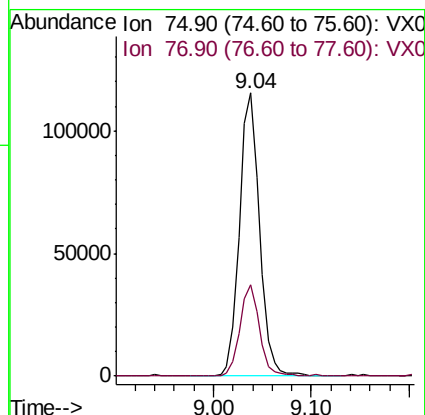
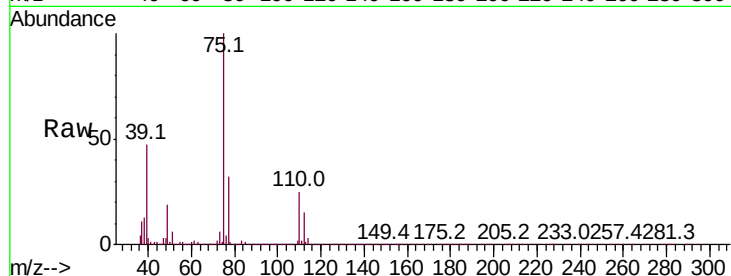
VSTDIC020

Tot Ion: 75 Resp: 163783

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 19.745 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

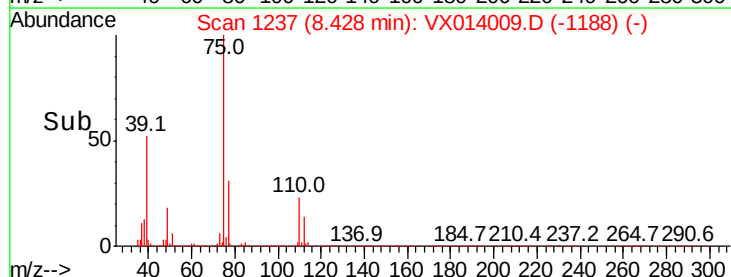
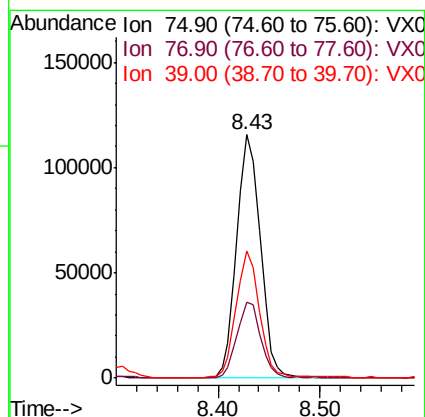
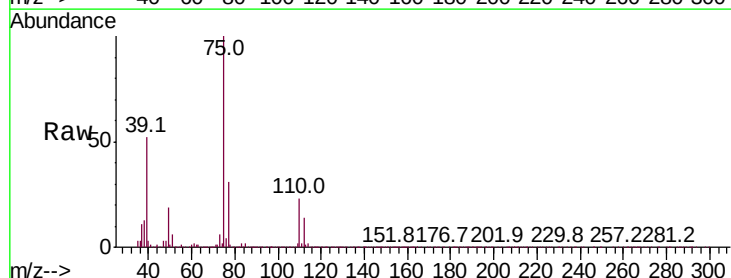
Tgt Ion: 75 Resp: 186886

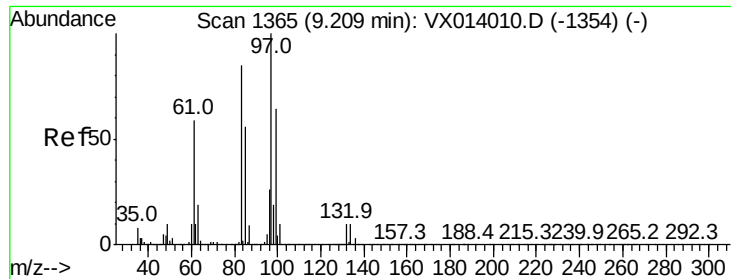
Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9

39 51.7 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 20.547 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 122064

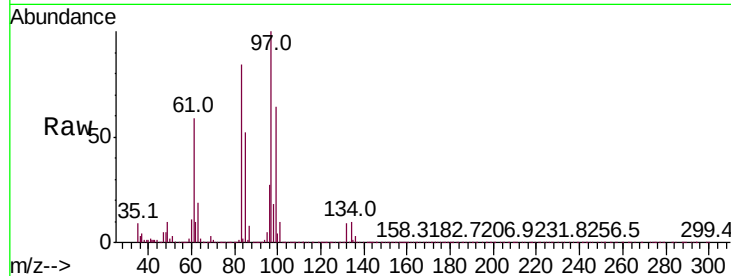
Ion Ratio Lower Upper

97 100

83 83.2 68.2 102.4

85 51.7 44.6 66.8

99 63.3 51.4 77.0

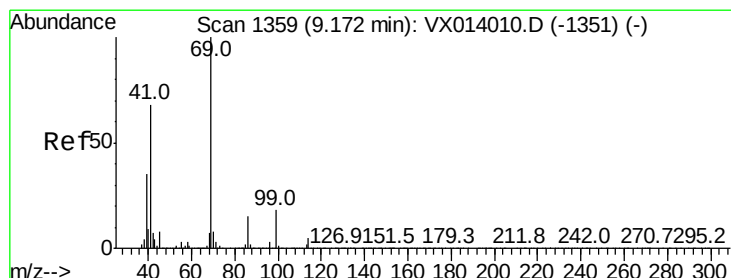
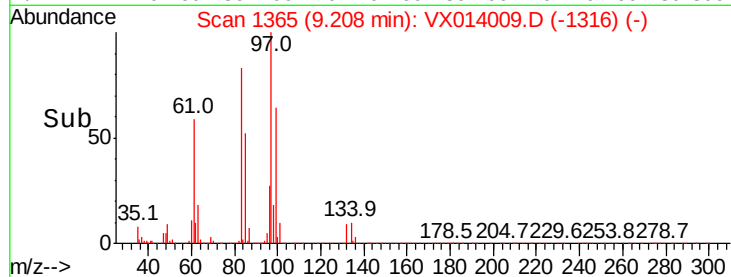
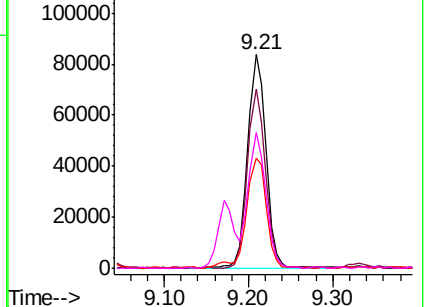


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.884 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

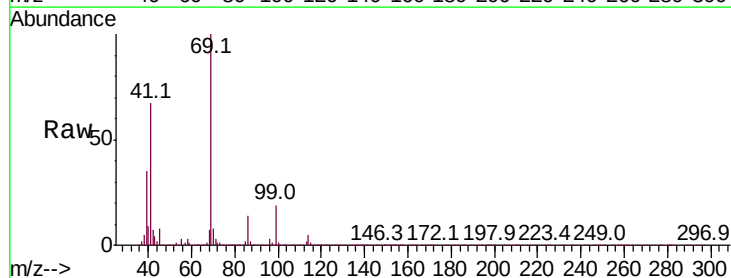
Tgt Ion: 69 Resp: 190229

Ion Ratio Lower Upper

69 100

41 68.2 54.8 82.2

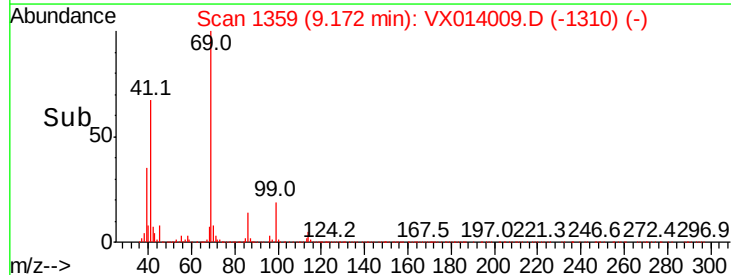
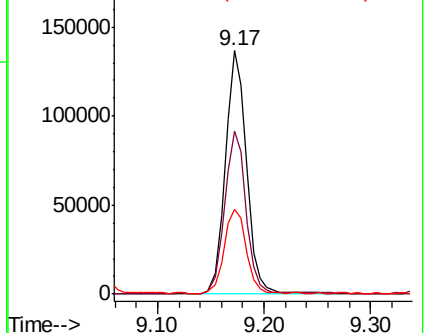
39 36.0 28.3 42.5

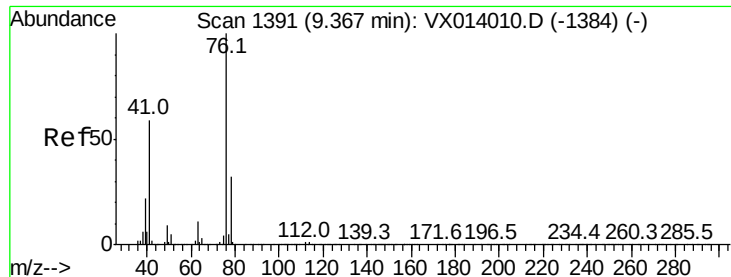


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.662 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

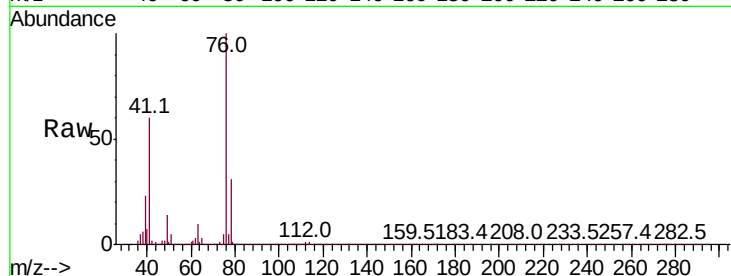
VSTDIC020

Tot Ion: 76 Resp: 201576

Ion Ratio Lower Upper

76 100

78 31.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

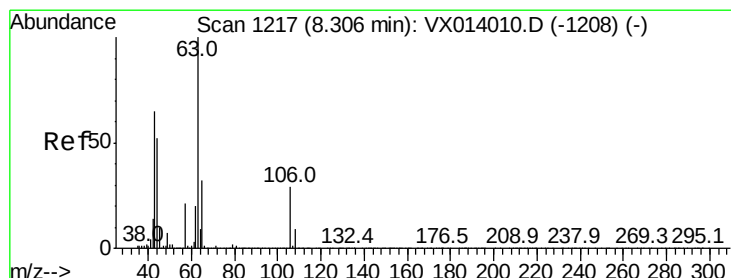
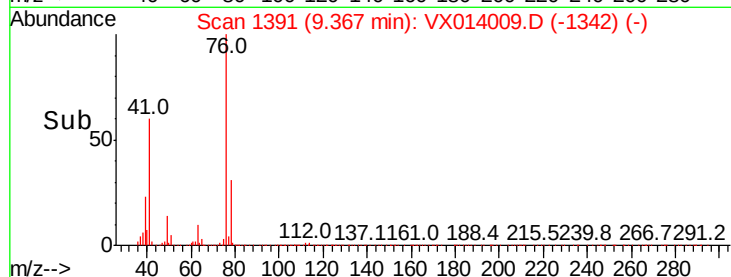
100000

50000

0

9.30 9.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 98.492 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX014009.D

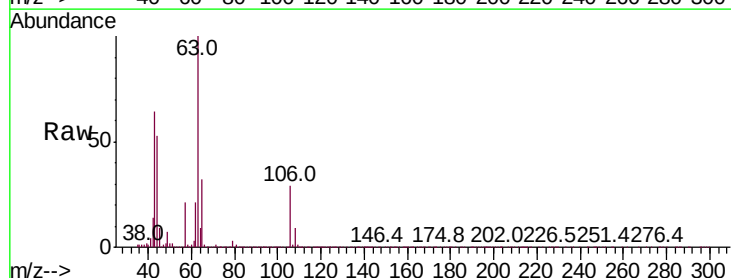
Acq: 13 Dec 2019 15:36

Tgt Ion: 63 Resp: 369372

Ion Ratio Lower Upper

63 100

106 29.5 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

250000

200000

150000

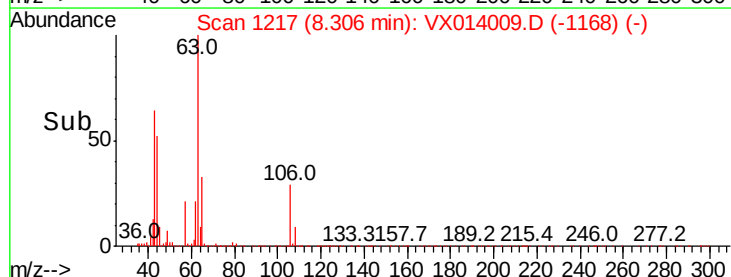
100000

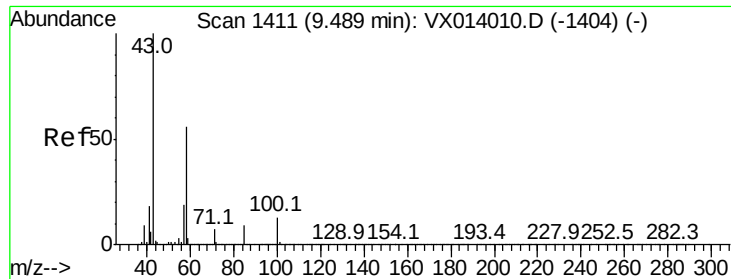
50000

0

8.20 8.30 8.40

Time-->

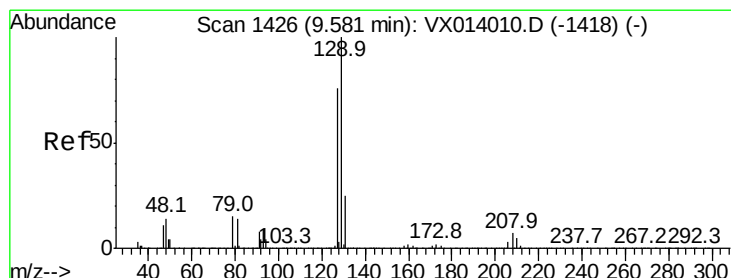
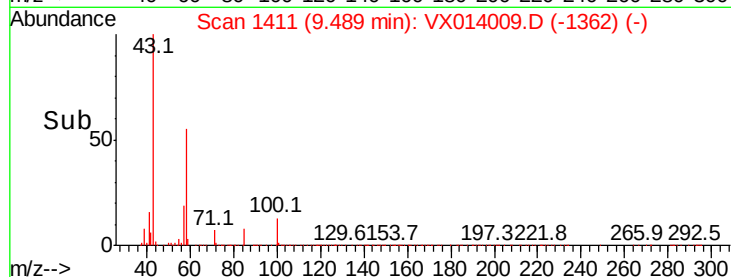
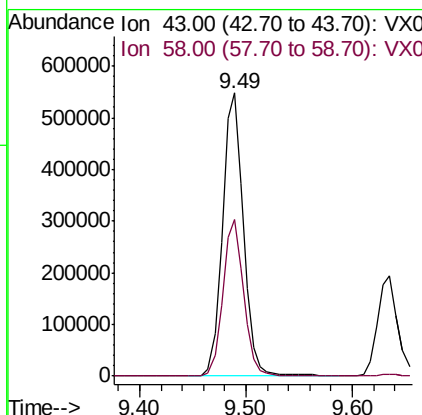
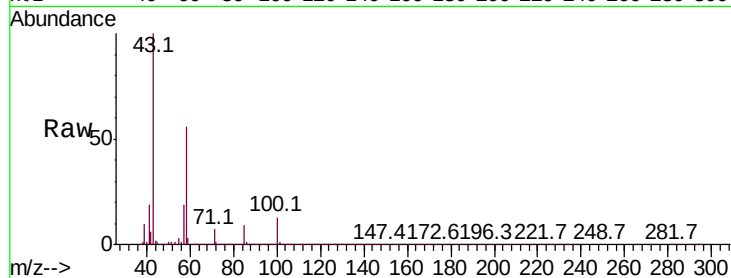




#59
2-Hexanone
Concen: 106.184 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

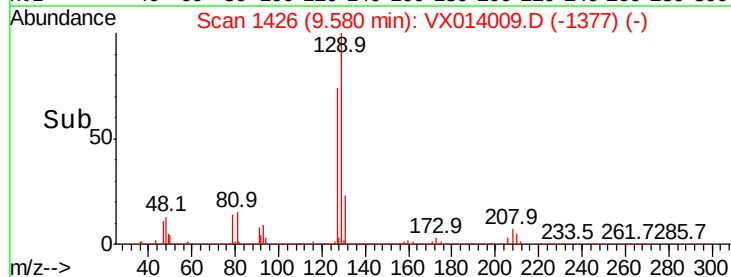
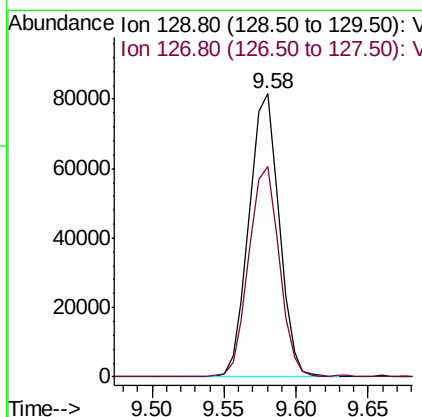
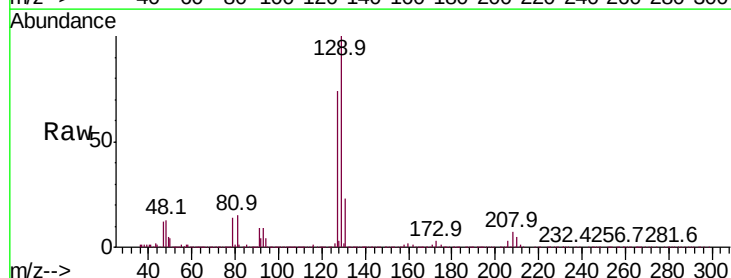
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

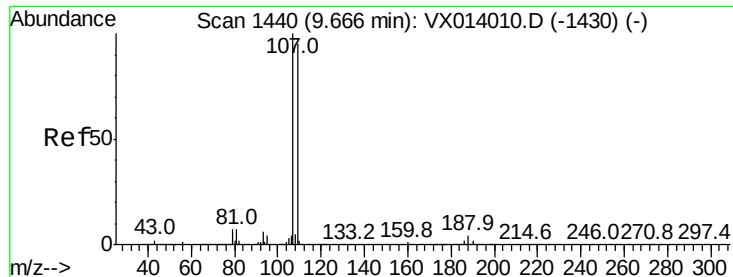
Tot Ion: 43 Resp: 751678
Ion Ratio Lower Upper
43 100
58 54.7 28.0 84.0



#60
Dibromochloromethane
Concen: 19.287 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion: 129 Resp: 118485
Ion Ratio Lower Upper
129 100
127 74.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.532 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

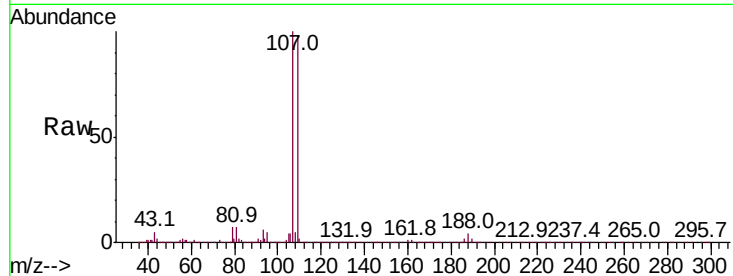
VSTDIC020

Tot Ion:107 Resp: 123768

Ion Ratio Lower Upper

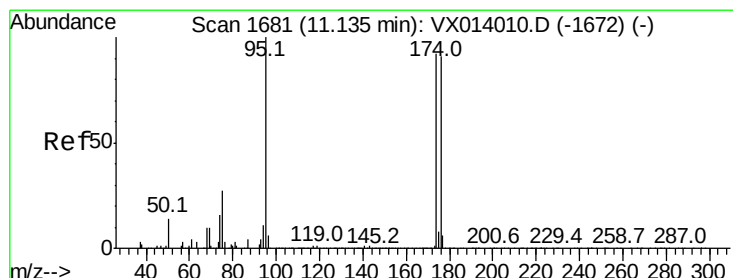
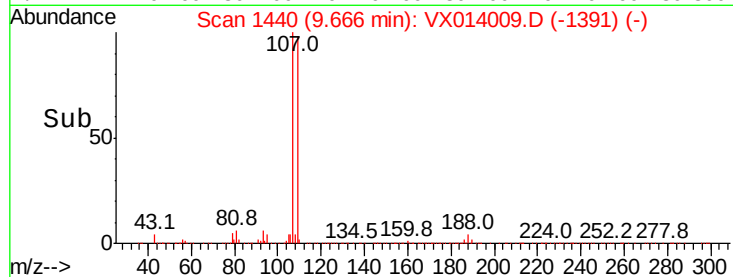
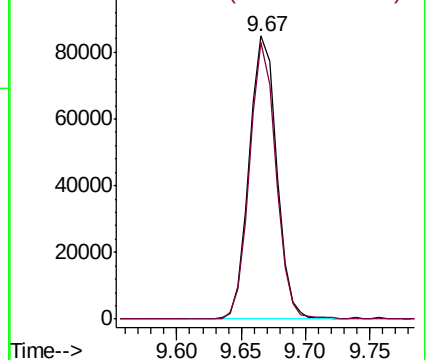
107 100

109 94.1 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 17.613 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

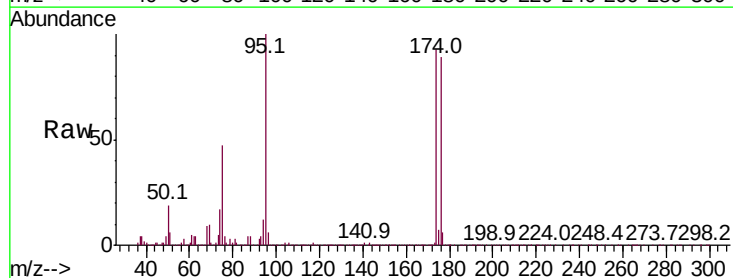
Tgt Ion: 95 Resp: 132465

Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.8

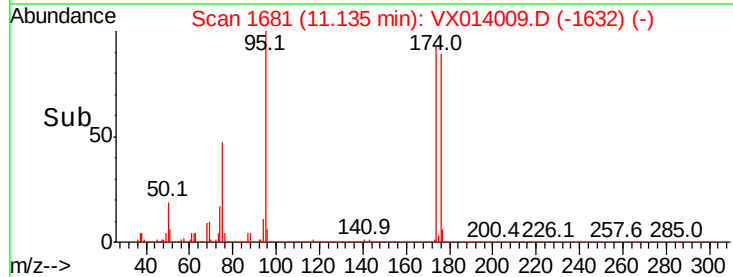
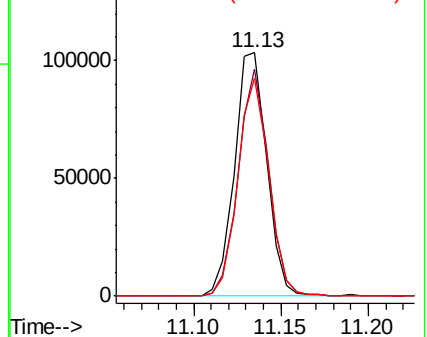
176 86.5 0.0 173.0

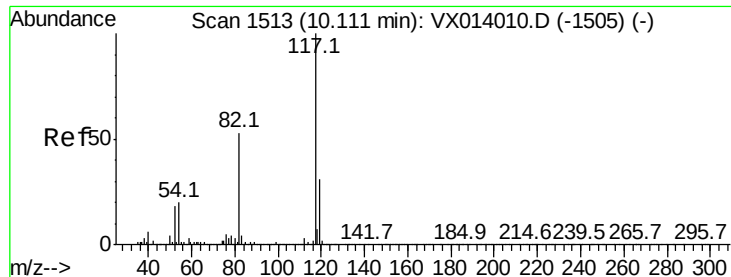


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

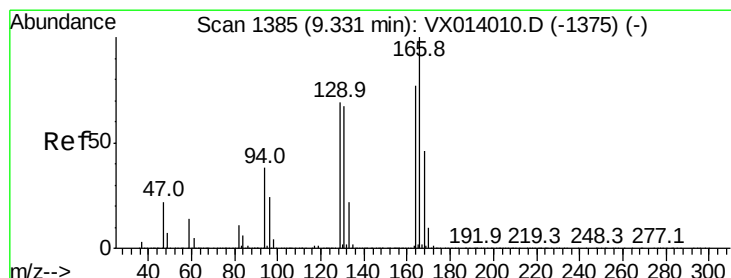
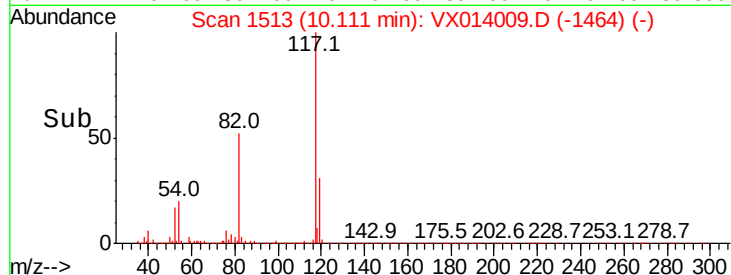
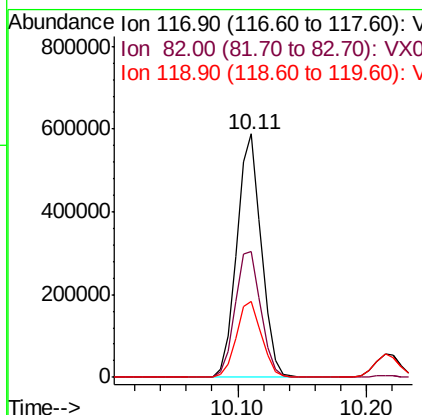
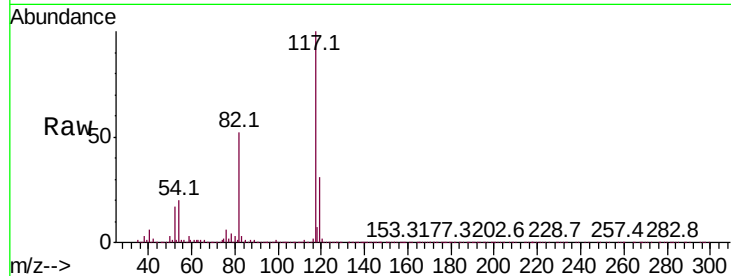




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

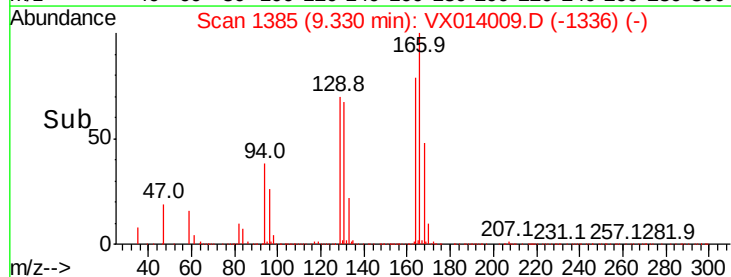
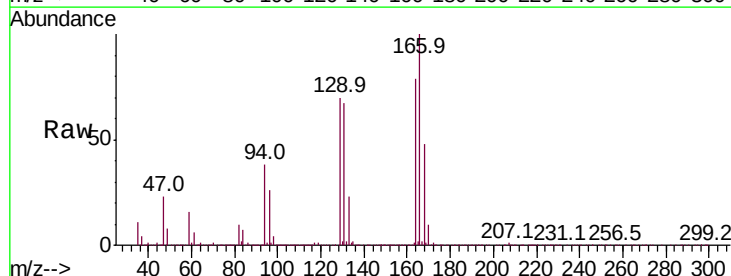
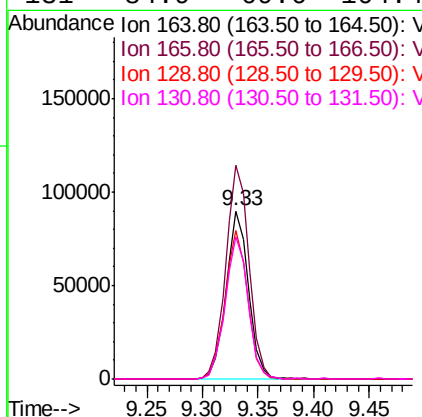
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

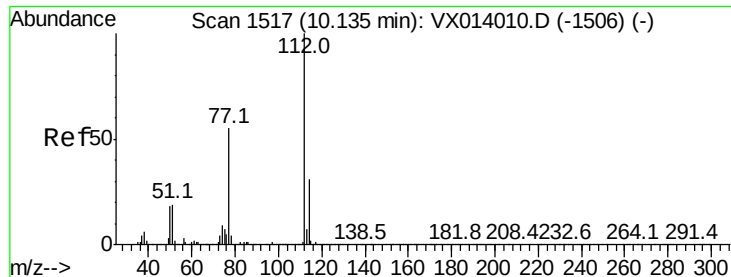
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.2	63.4
119	31.3	25.1	37.7



#64
Tetrachloroethene
Concen: 20.900 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	104.0	156.0
129	88.4	72.2	108.4
131	84.9	69.6	104.4





#65

Chlorobenzene

Concen: 19.673 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

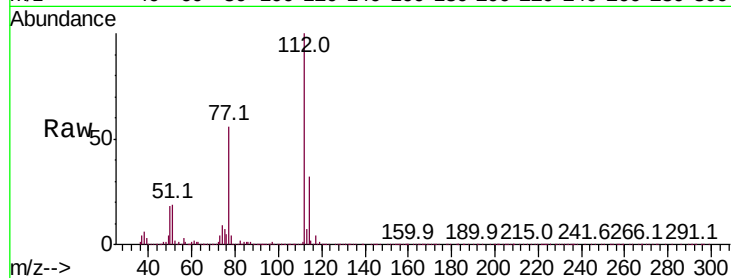
VSTDIC020

Tot Ion:112 Resp: 318103

Ion Ratio Lower Upper

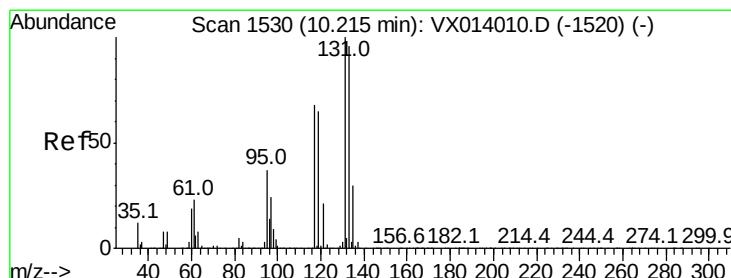
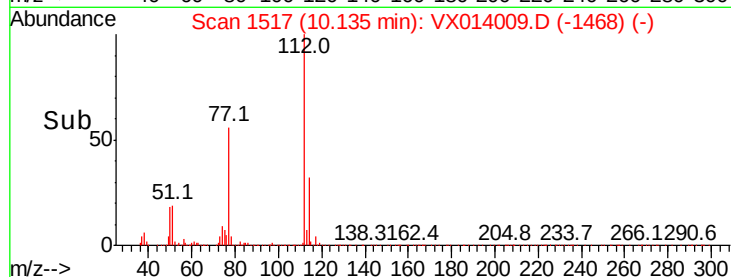
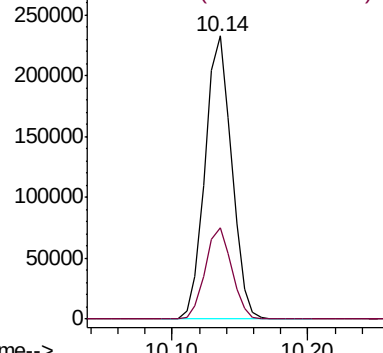
112 100

114 32.3 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.771 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

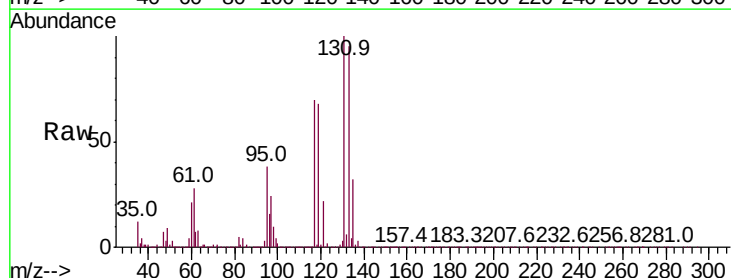
Tgt Ion:131 Resp: 114466

Ion Ratio Lower Upper

131 100

133 94.6 48.0 144.0

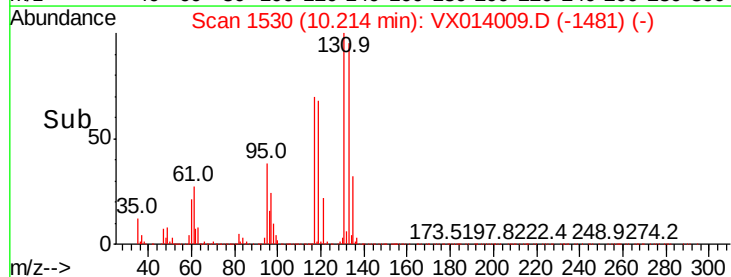
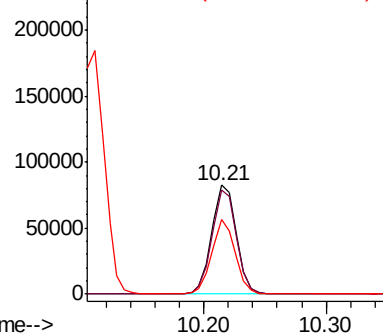
119 65.2 33.4 100.2

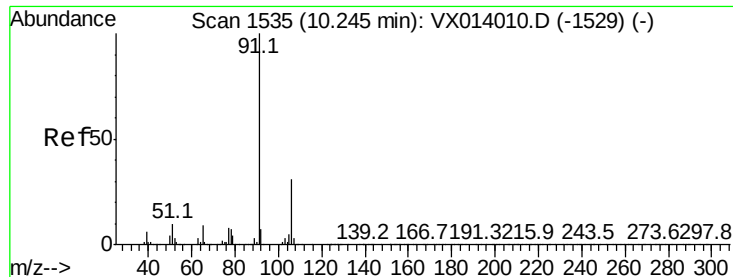


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

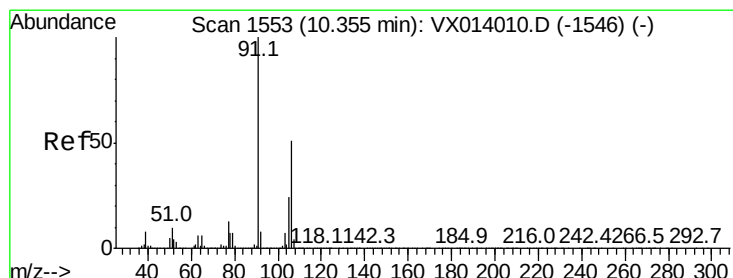
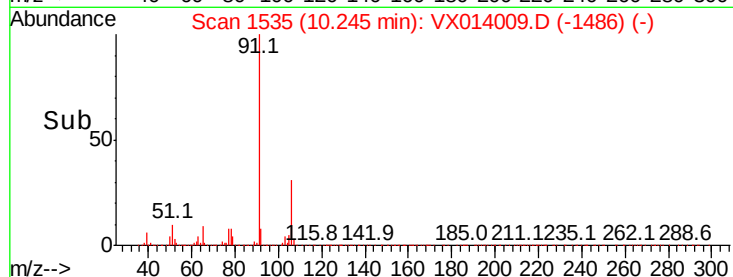
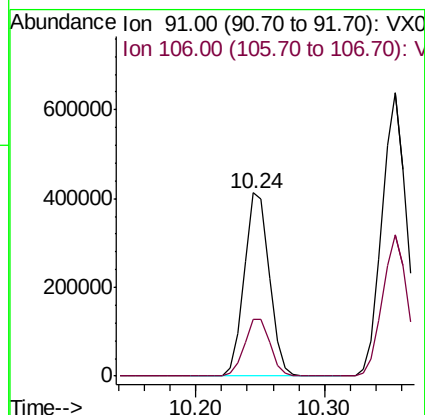
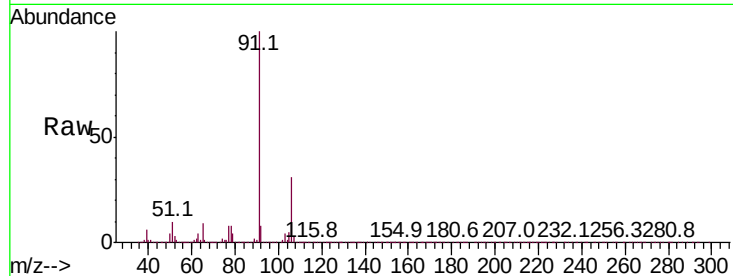




#67
Ethyl Benzene
Concen: 19.966 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

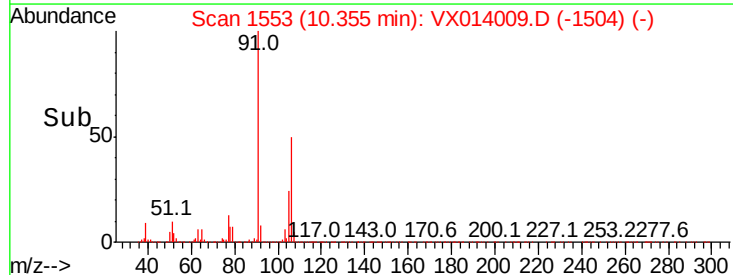
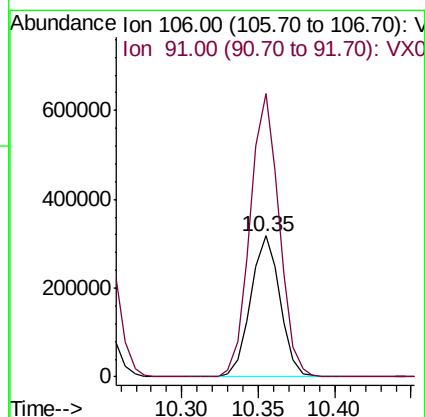
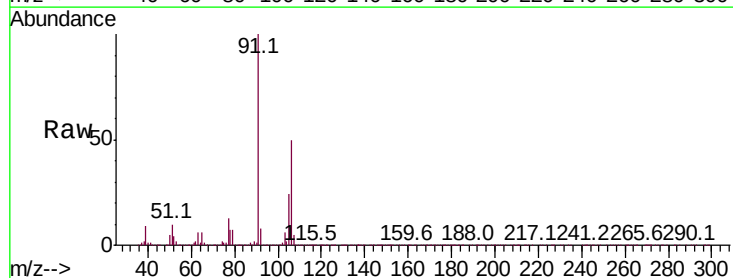
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

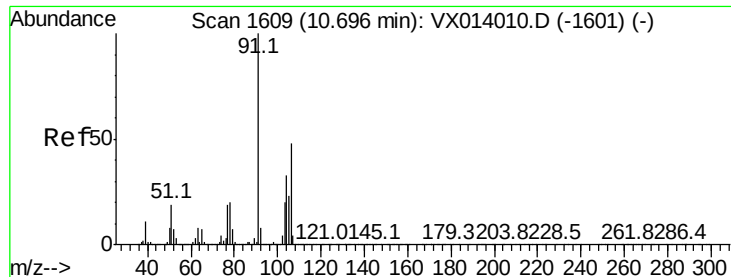
Tot Ion: 91 Resp: 554140
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6



#68
m/p-Xylenes
Concen: 39.768 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion: 106 Resp: 423145
Ion Ratio Lower Upper
106 100
91 199.4 158.6 238.0

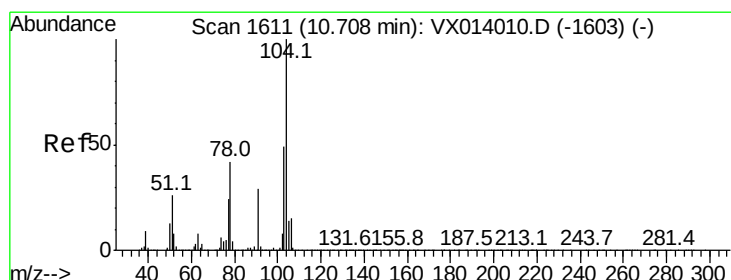
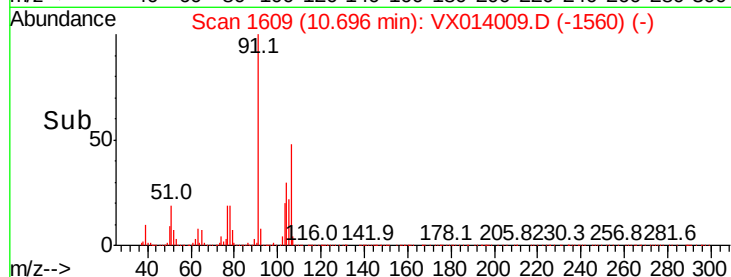
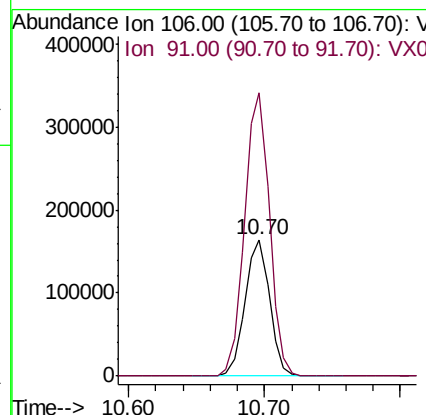
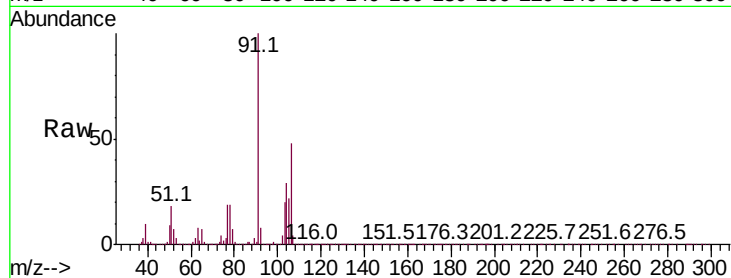




#69
o-Xylene
Concen: 19.910 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

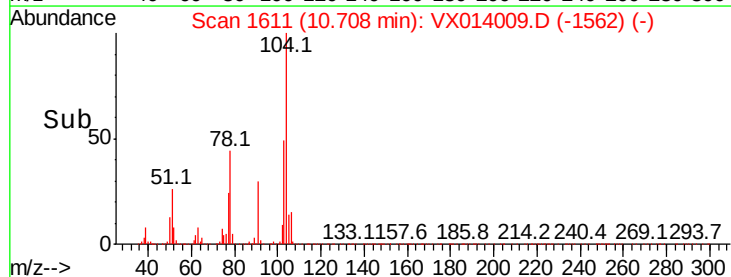
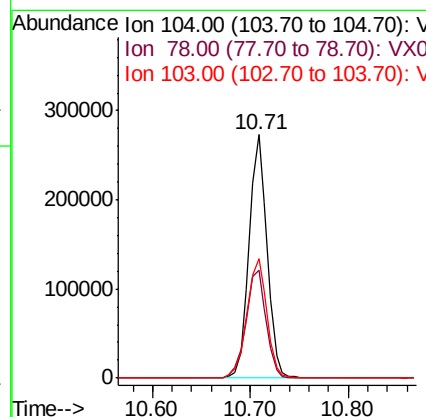
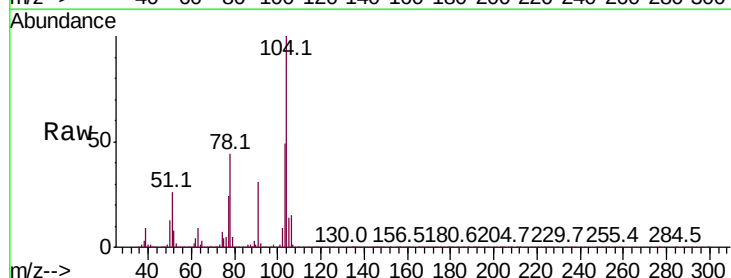
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

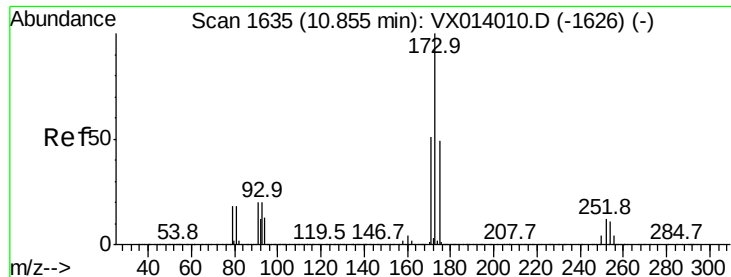
Tot Ion:106 Resp: 206600
Ion Ratio Lower Upper
106 100
91 210.6 104.2 312.6



#70
Styrene
Concen: 19.907 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion:104 Resp: 348489
Ion Ratio Lower Upper
104 100
78 49.7 38.5 57.7
103 53.9 42.9 64.3

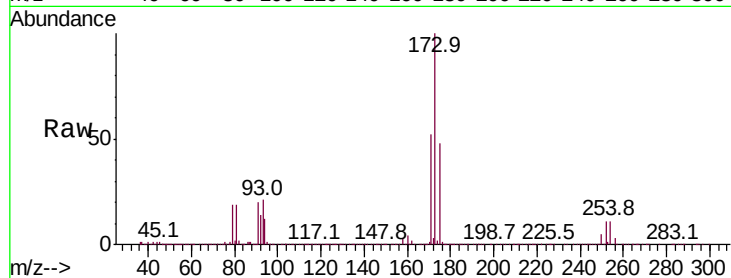




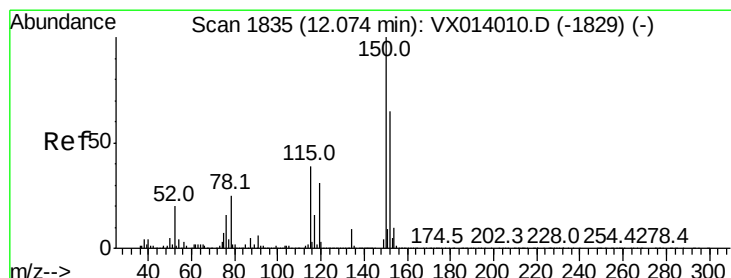
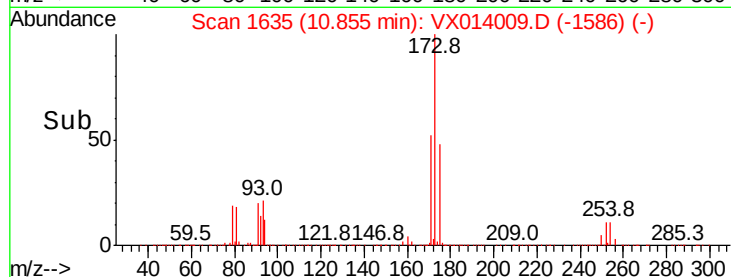
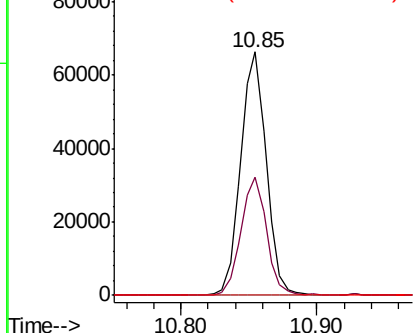
#71
Bromoform
Concen: 18.175 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 86794
Ion Ratio Lower Upper
173 100
175 48.7 24.4 73.4
254 0.0 0.2 0.2#

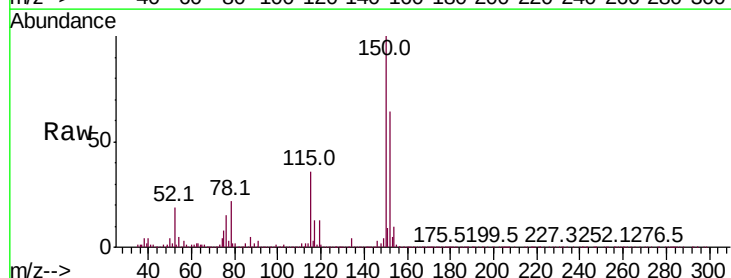


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

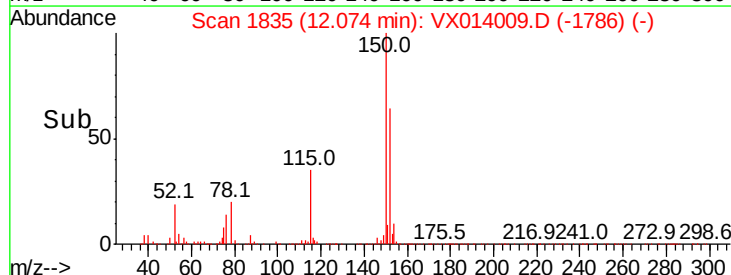
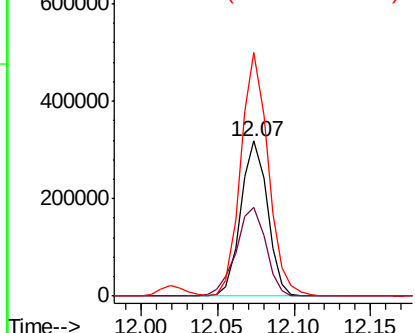


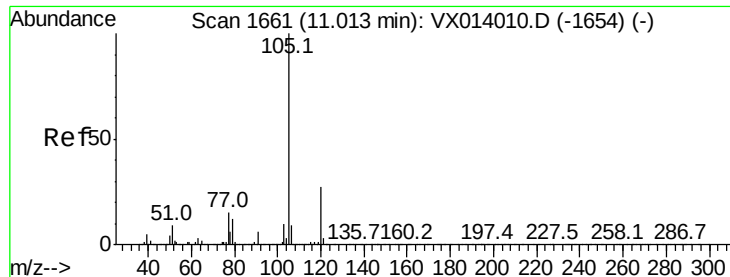
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion:152 Resp: 385975
Ion Ratio Lower Upper
152 100
115 64.3 38.3 114.9
150 161.5 0.0 345.4



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





#73

Isopropylbenzene

Concen: 20.101 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

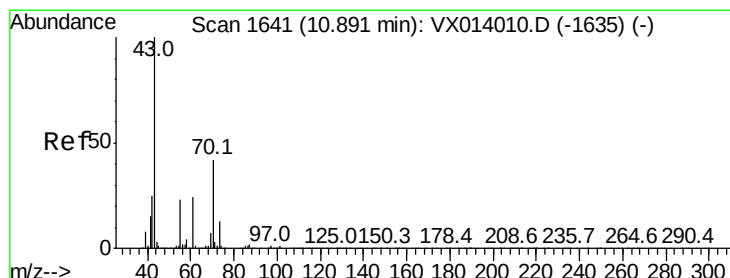
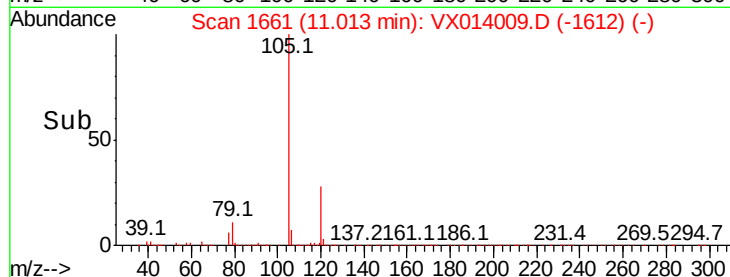
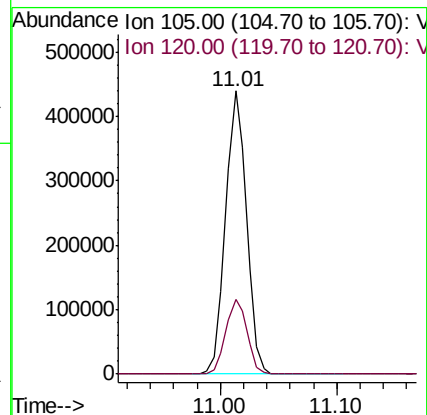
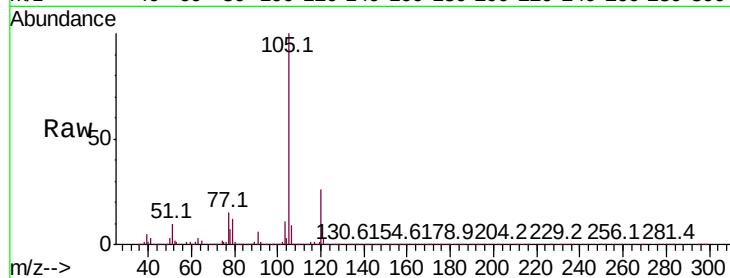
VSTDIC020

Tot Ion:105 Resp: 544940

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#74

N-ethyl acetate

Concen: 20.351 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion: 43 Resp: 252737

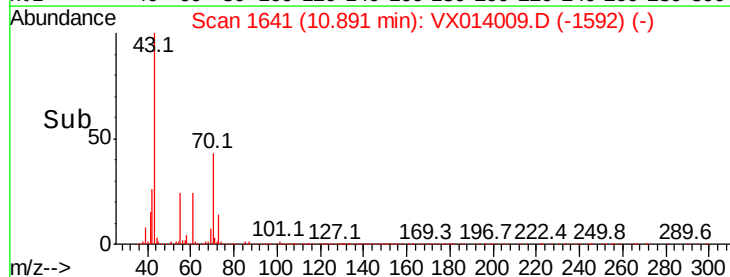
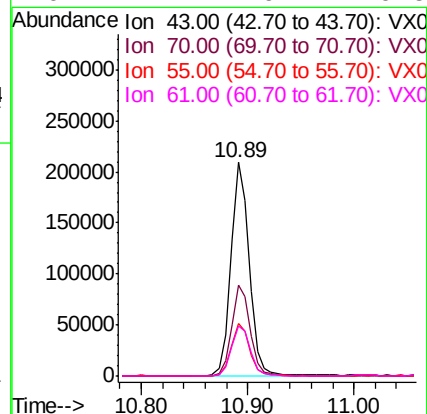
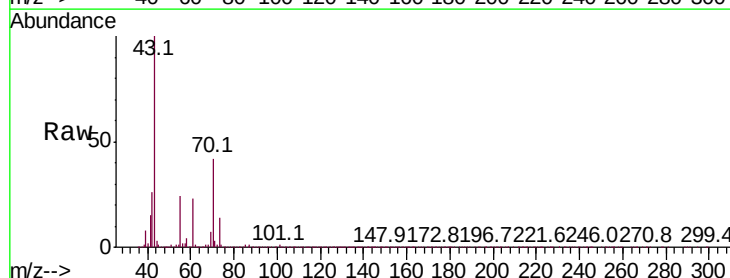
Ion Ratio Lower Upper

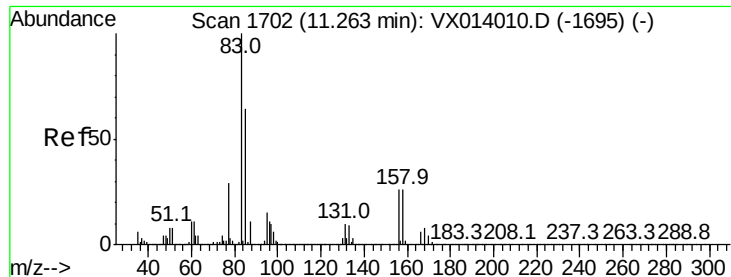
43 100

70 43.1 34.4 51.6

55 25.2 19.1 28.7

61 24.4 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.130 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

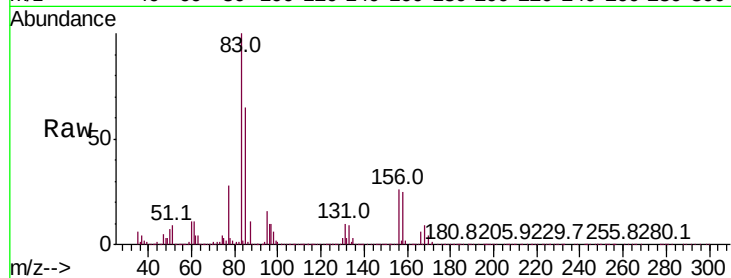
Tot Ion: 83 Resp: 188950

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.2

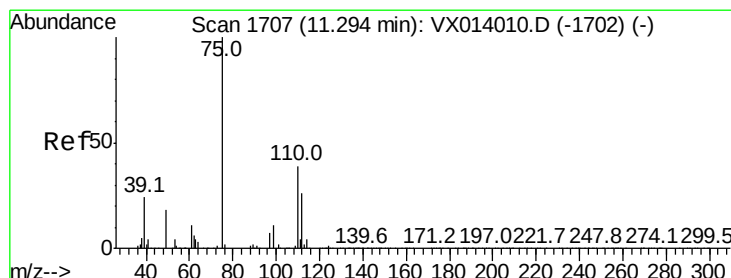
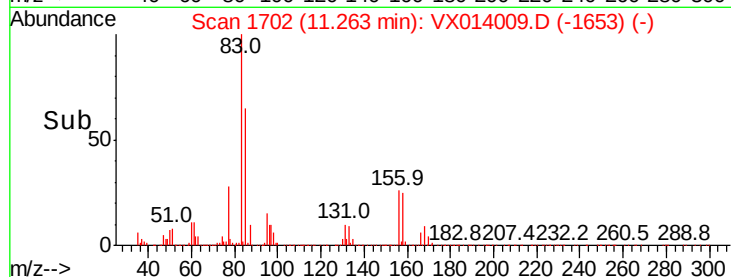
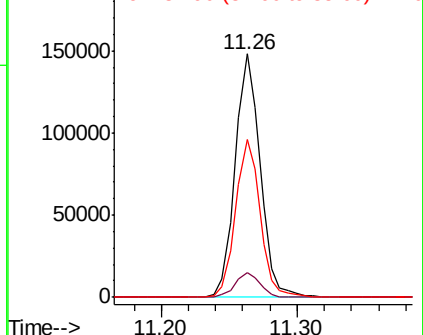
85 63.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.725 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX014009.D

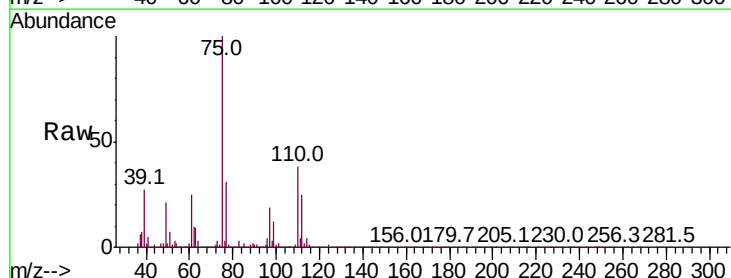
Acq: 13 Dec 2019 15:36

Tgt Ion: 75 Resp: 205087

Ion Ratio Lower Upper

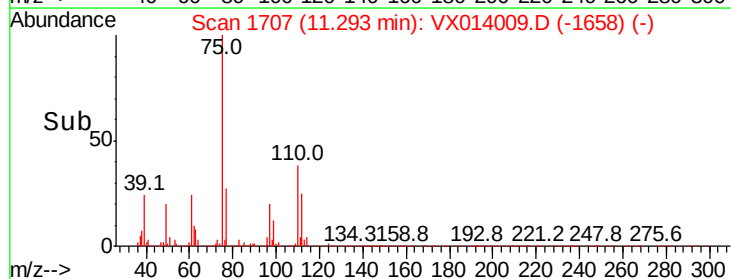
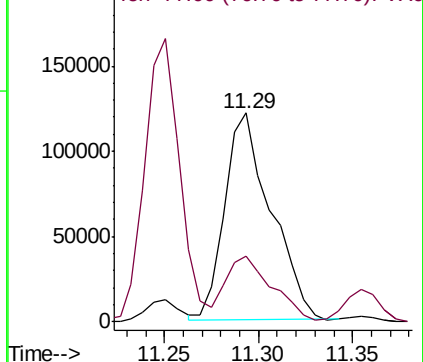
75 100

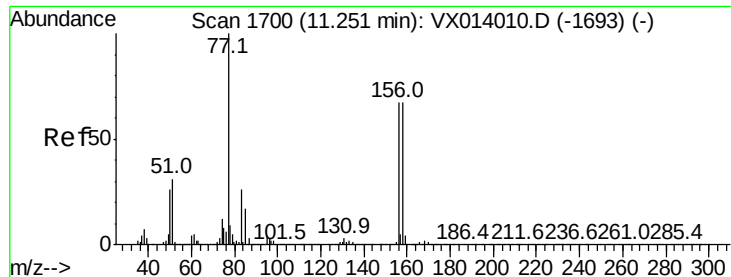
77 31.7 19.3 57.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.642 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

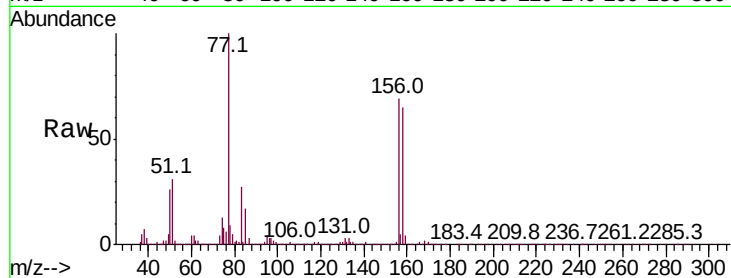
Tot Ion:156 Resp: 143527

Ion Ratio Lower Upper

156 100

77 150.1 76.5 229.5

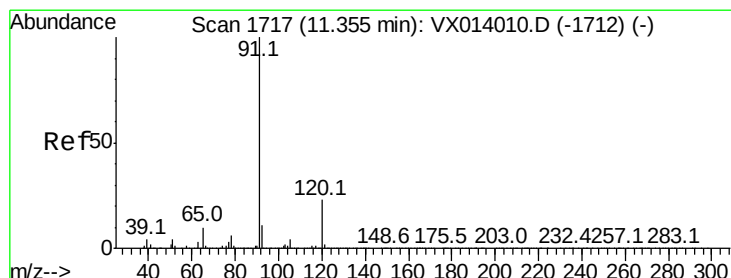
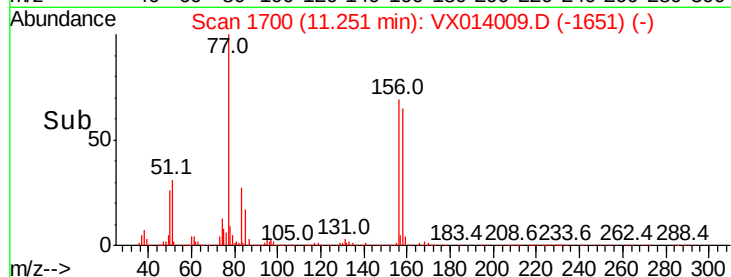
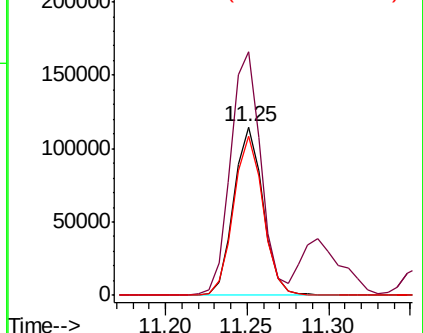
158 95.2 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.092 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX014009.D

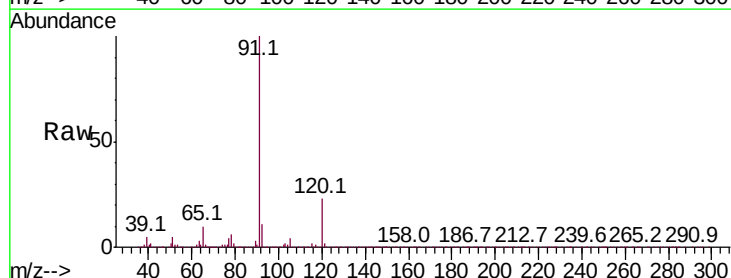
Acq: 13 Dec 2019 15:36

Tgt Ion: 91 Resp: 609085

Ion Ratio Lower Upper

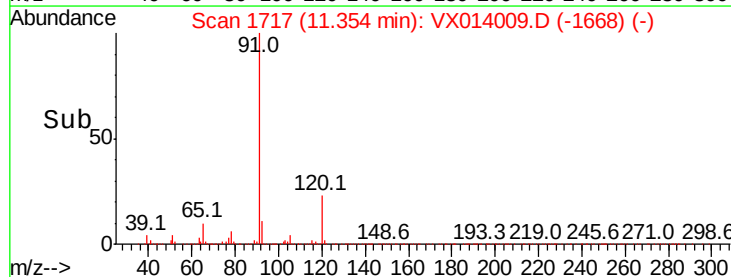
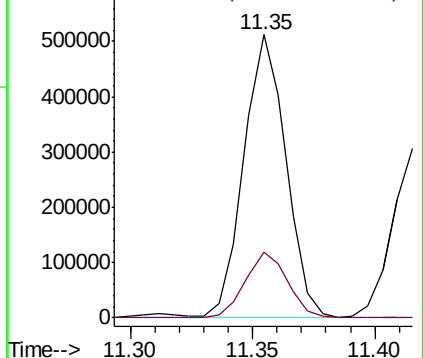
91 100

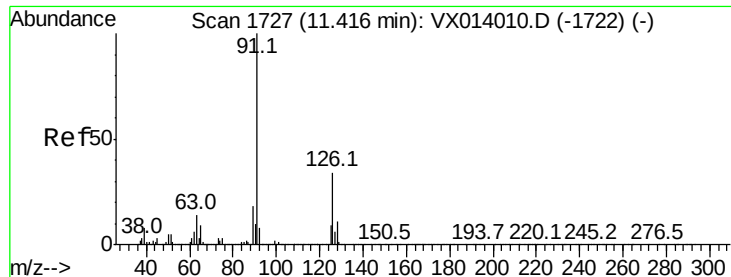
120 23.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

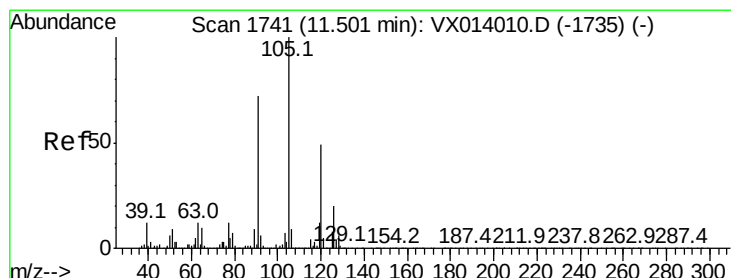
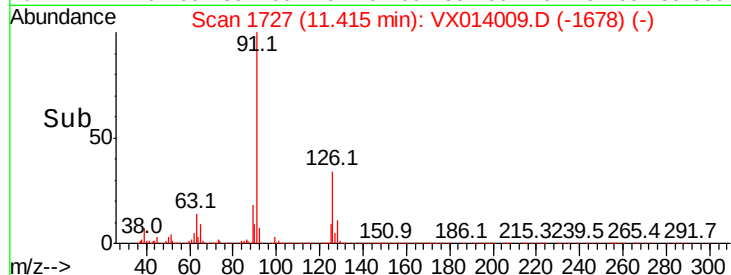
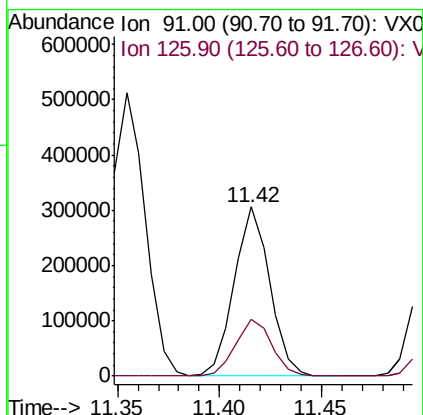
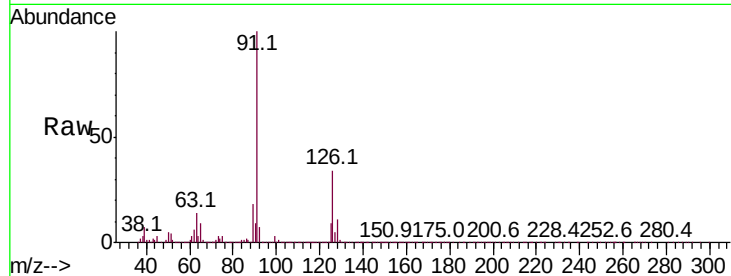




#79
2-Chlorotoluene
Concen: 20.172 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

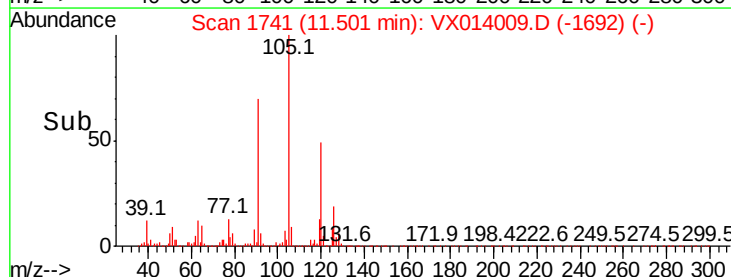
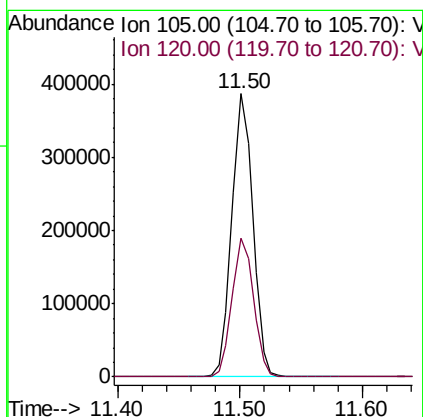
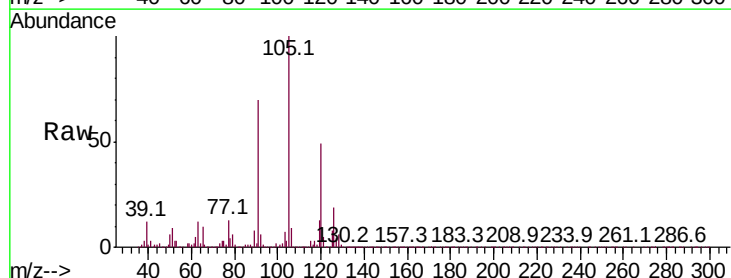
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

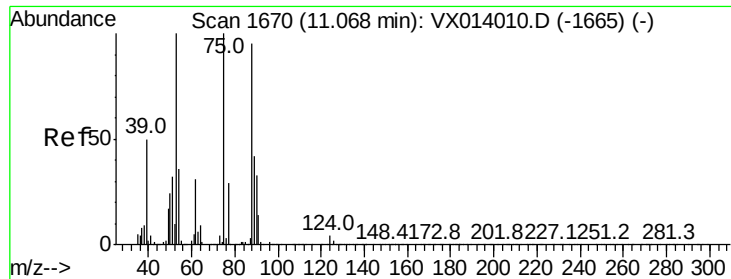
Tot Ion: 91 Resp: 367875
Ion Ratio Lower Upper
91 100
126 34.4 17.2 51.6



#80
1,3,5-Trimethylbenzene
Concen: 20.527 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion: 105 Resp: 457399
Ion Ratio Lower Upper
105 100
120 50.1 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.623 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

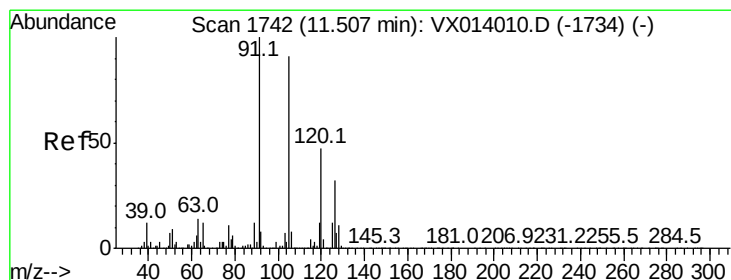
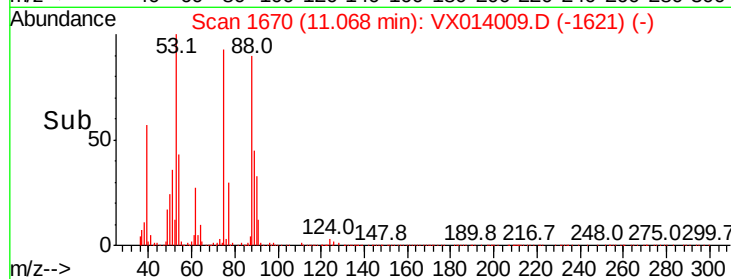
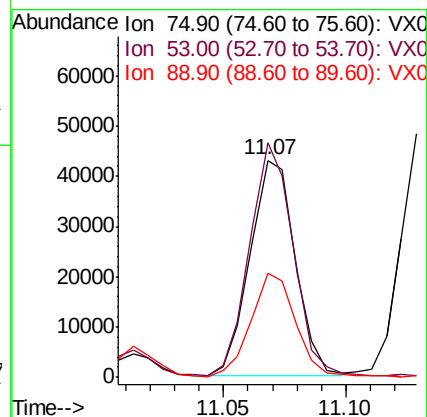
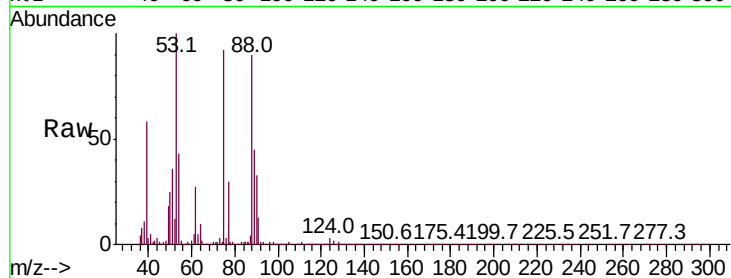
Tot Ion: 75 Resp: 55573

Ion Ratio Lower Upper

75 100

53 103.7 76.7 115.1

89 48.3 34.6 51.8



#82

4-Chlorotoluene

Concen: 19.957 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX014009.D

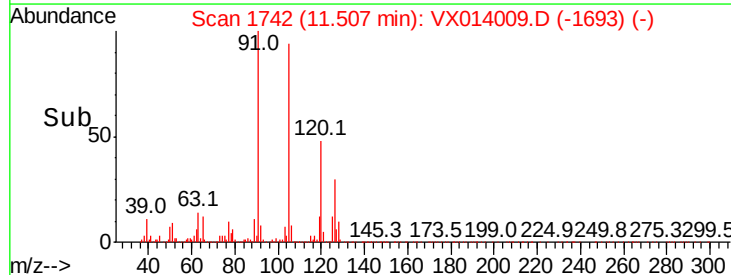
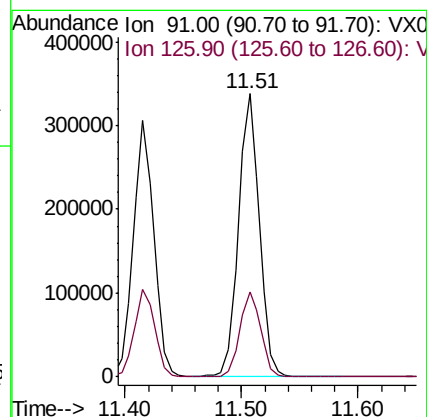
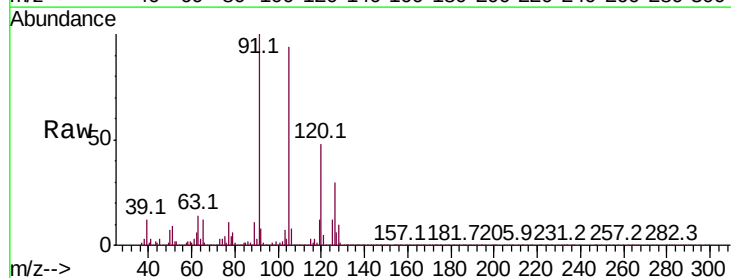
Acq: 13 Dec 2019 15:36

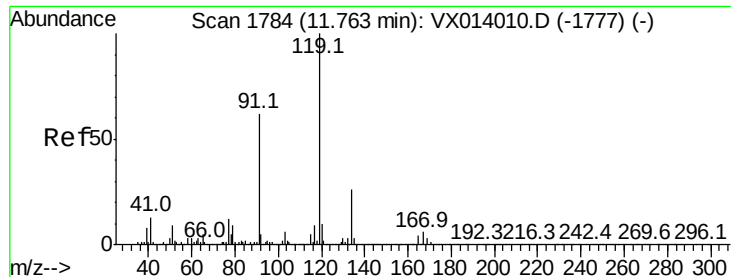
Tgt Ion: 91 Resp: 420244

Ion Ratio Lower Upper

91 100

126 30.4 15.6 46.8

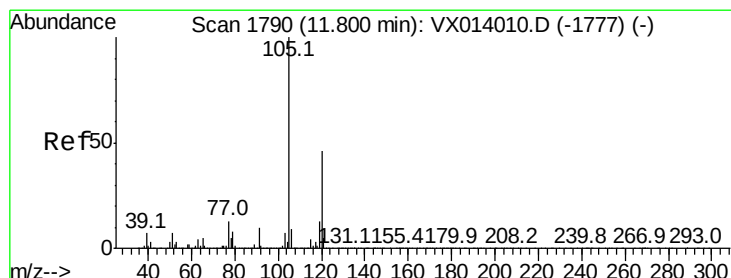
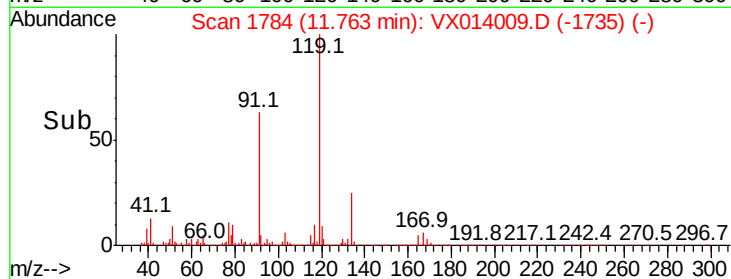
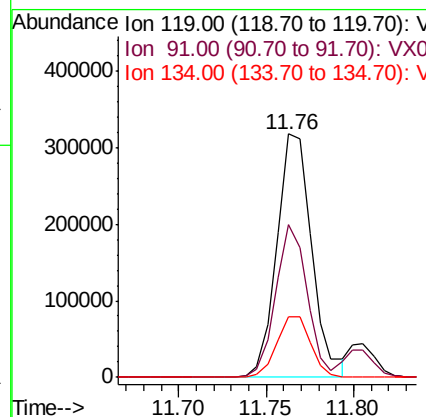
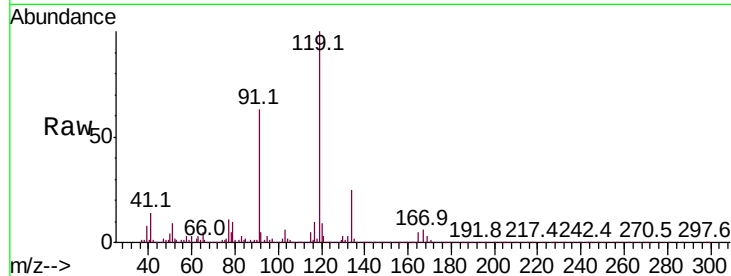




#83
 tert-Butylbenzene
 Concen: 19.713 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

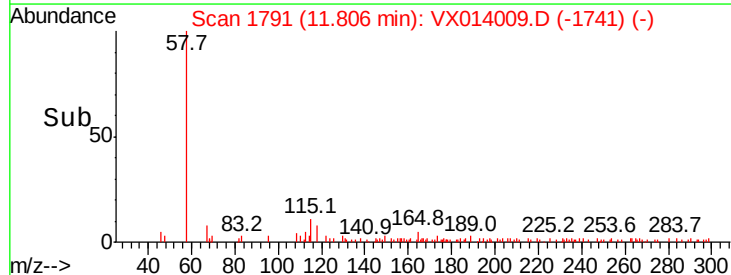
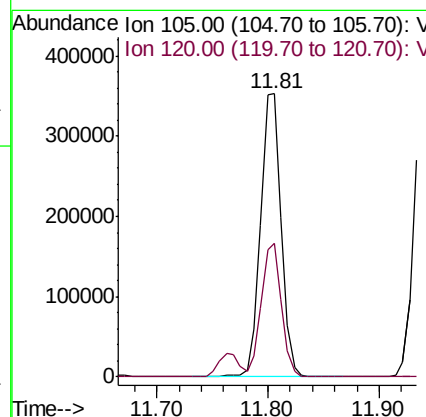
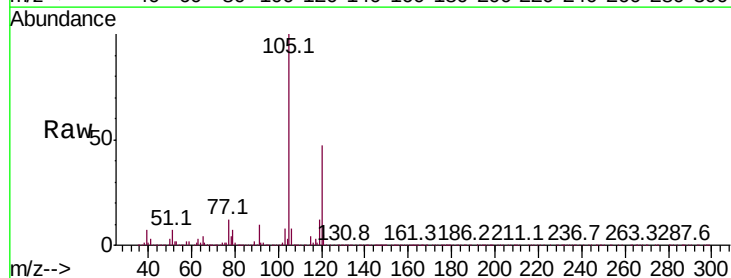
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

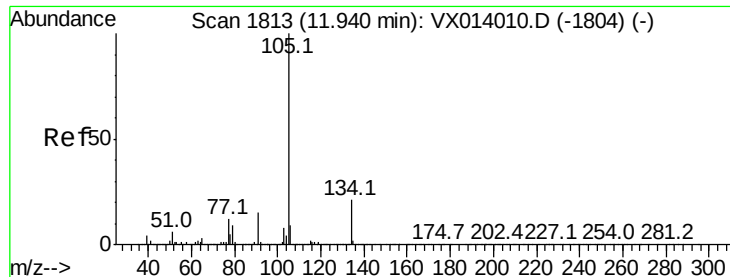
Tot Ion	Ratio	Lower	Upper
119	100		
91	56.4	28.5	85.6
134	24.3	12.2	36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.233 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.872 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

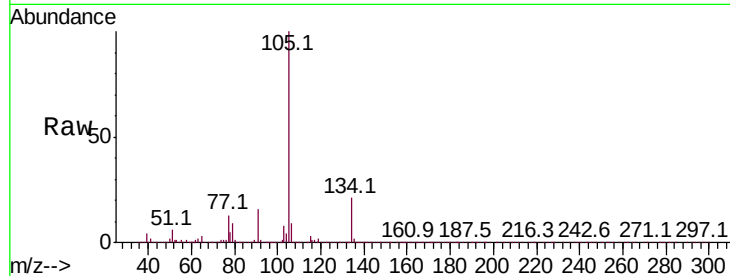
VSTDIC020

Tot Ion:105 Resp: 513400

Ion Ratio Lower Upper

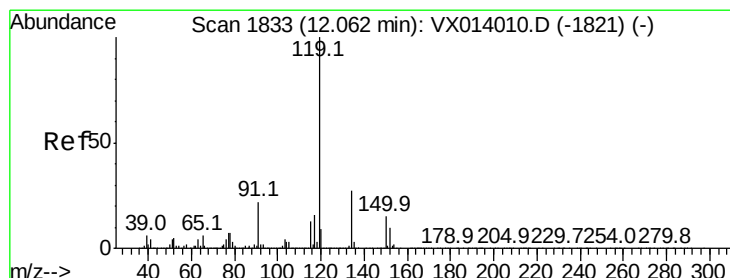
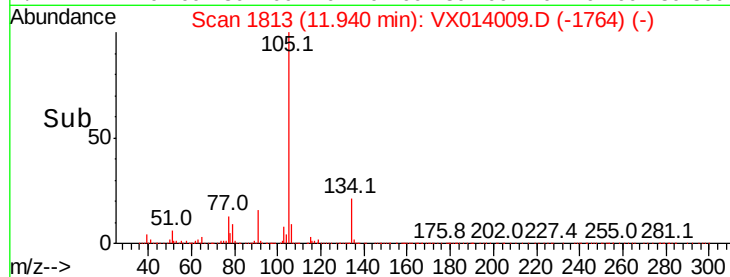
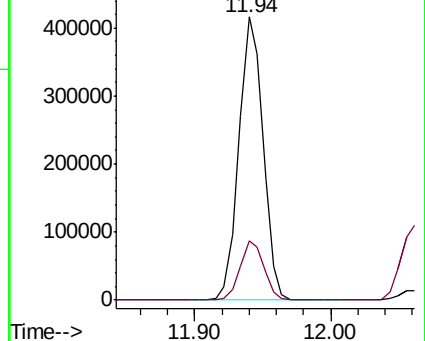
105 100

134 20.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.806 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

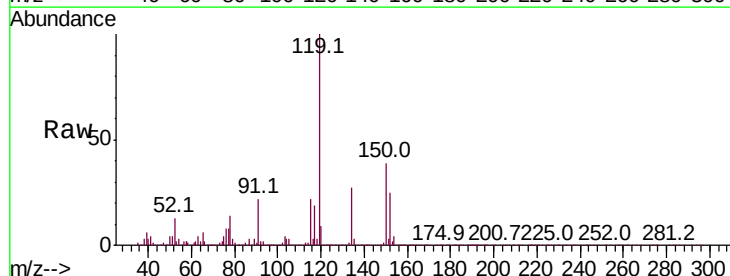
Tgt Ion:119 Resp: 475332

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

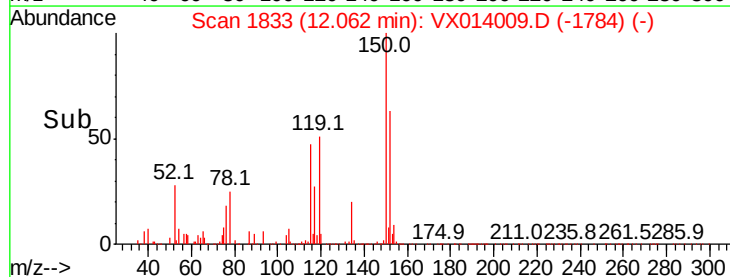
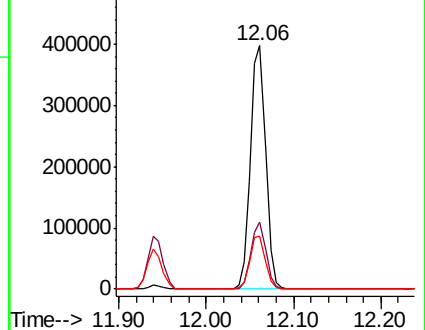
91 22.0 11.4 34.1

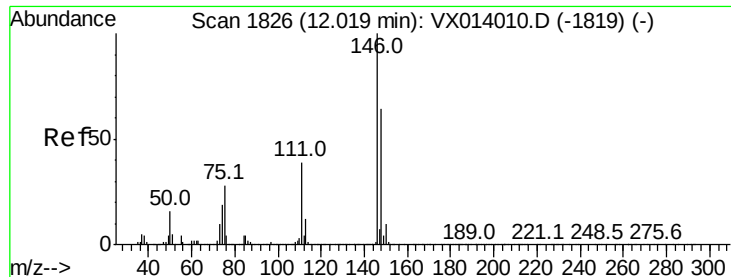


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.556 ug/l

RT: 12.02 min Scan# 1826

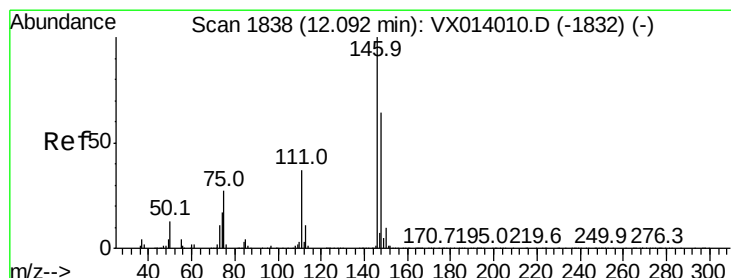
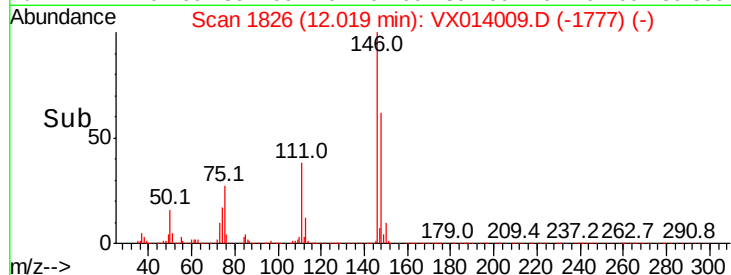
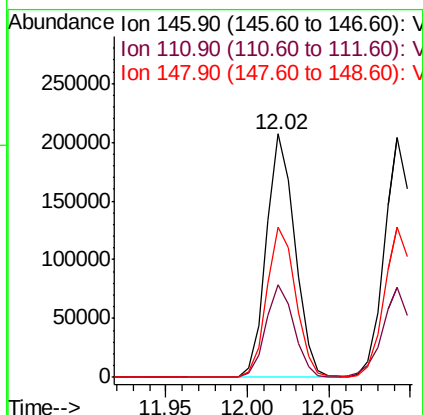
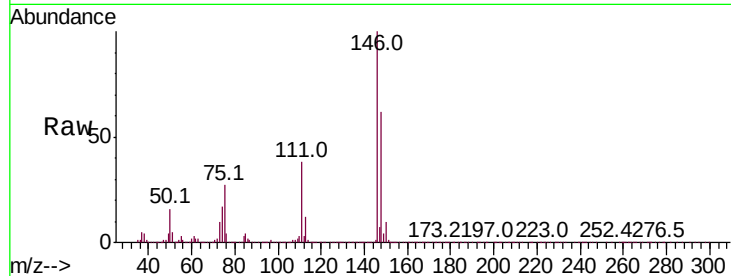
Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	62.5	32.3	96.9



#88

1,4-Dichlorobenzene

Concen: 18.953 ug/l

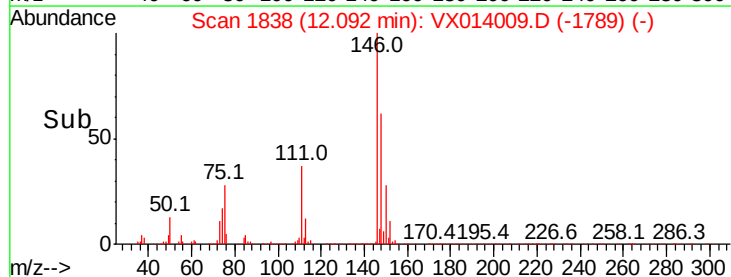
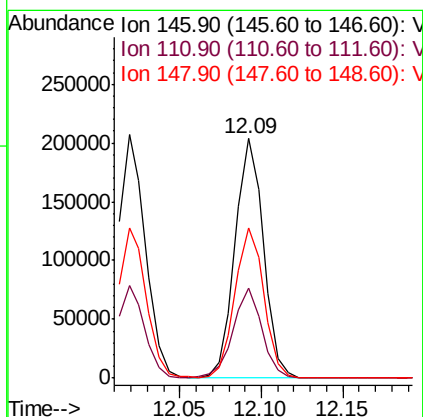
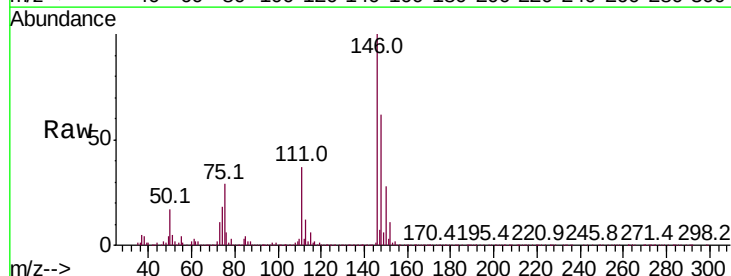
RT: 12.09 min Scan# 1838

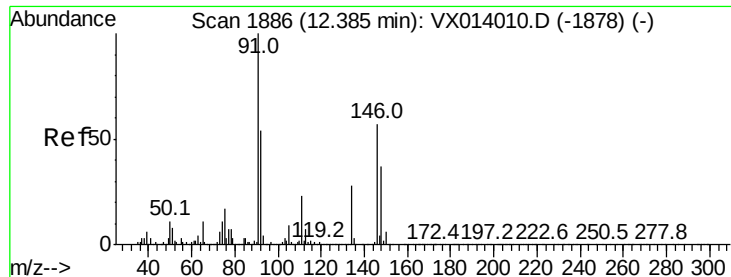
Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	63.7	31.9	95.9





#89

n-Butylbenzene

Concen: 19.038 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

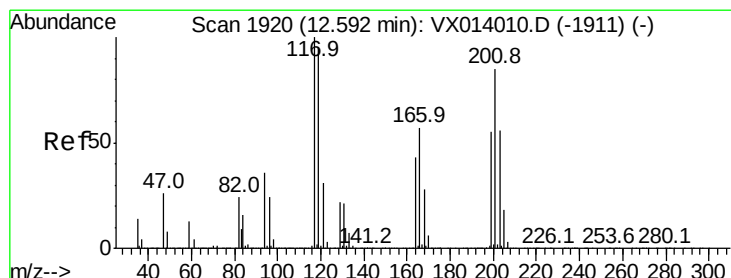
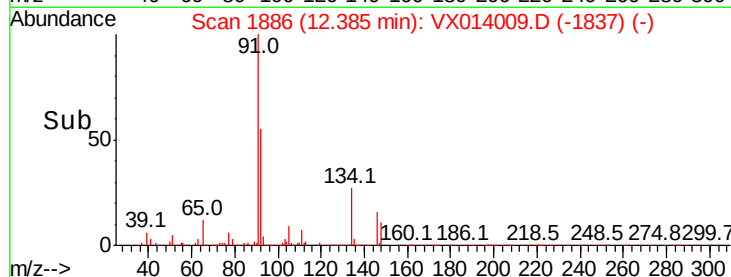
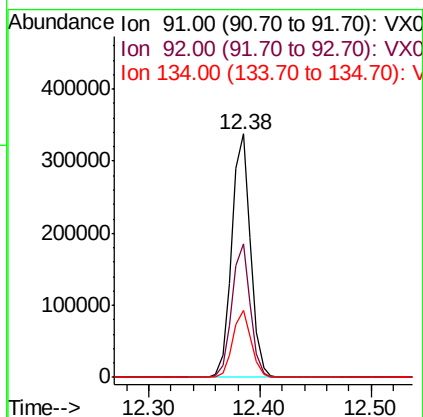
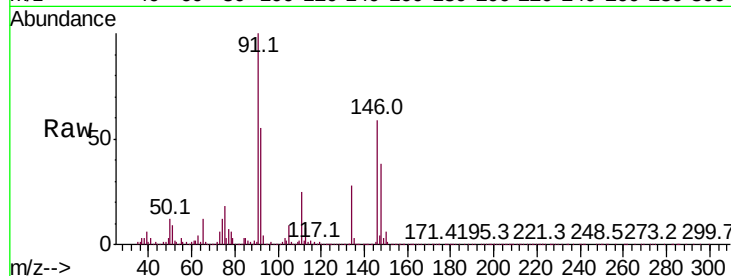
Tot Ion: 91 Resp: 390195

Ion Ratio Lower Upper

91 100

92 54.0 27.2 81.6

134 27.1 13.4 40.1



#90

Hexachloroethane

Concen: 19.051 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX014009.D

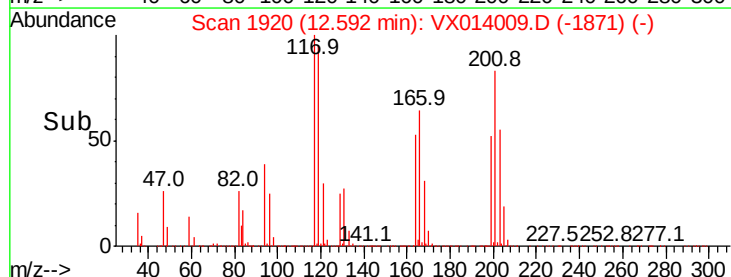
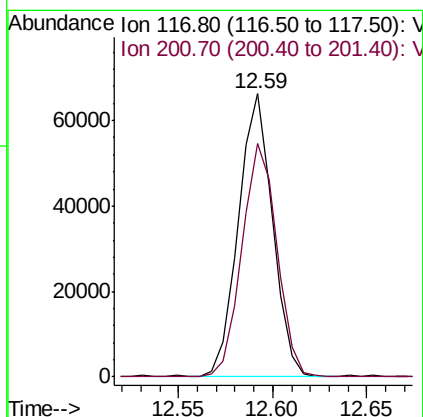
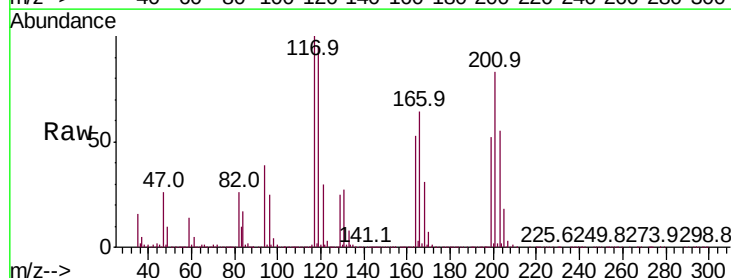
Acq: 13 Dec 2019 15:36

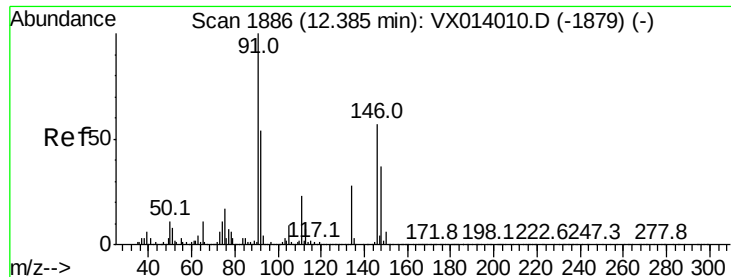
Tgt Ion: 117 Resp: 82875

Ion Ratio Lower Upper

117 100

201 85.0 43.1 129.3





#91

1,2-Dichlorobenzene

Concen: 19.914 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

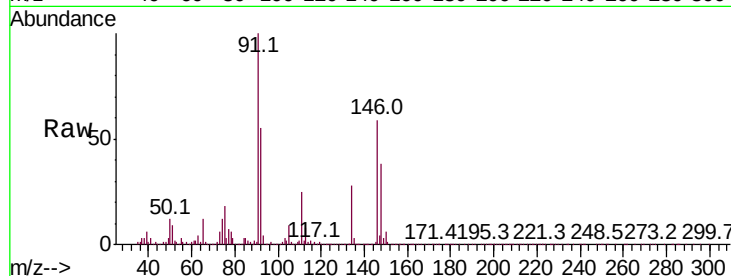
Tot Ion:146 Resp: 251890

Ion Ratio Lower Upper

146 100

111 39.3 19.7 59.1

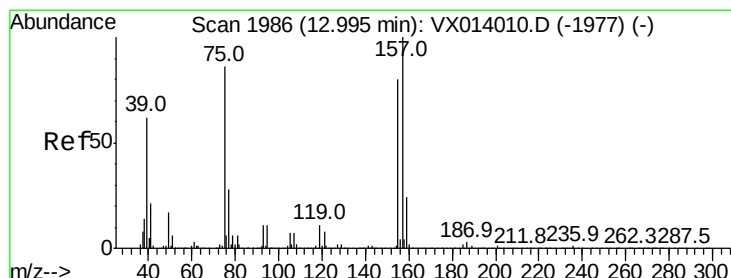
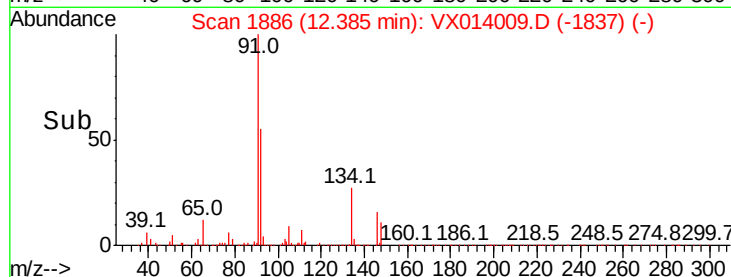
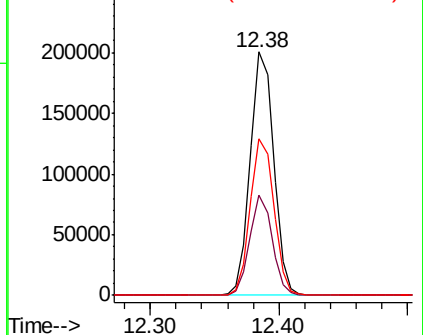
148 65.0 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.769 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

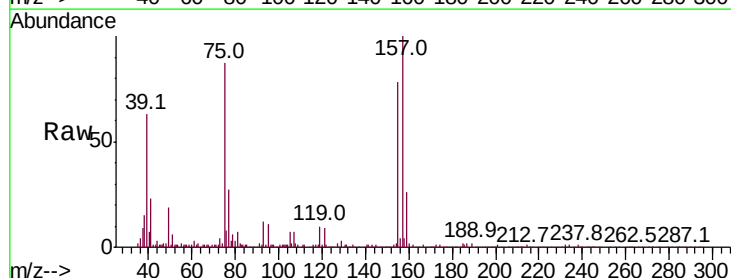
Tgt Ion: 75 Resp: 37989

Ion Ratio Lower Upper

75 100

155 93.4 46.9 140.6

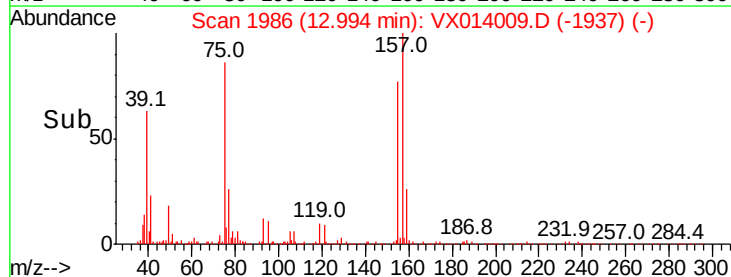
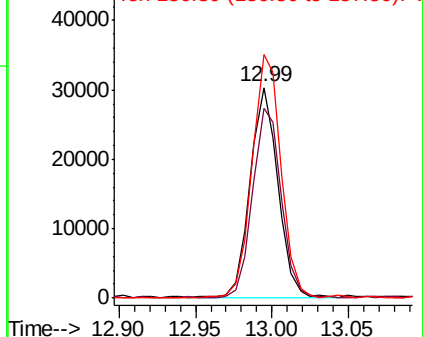
157 121.4 60.8 182.4

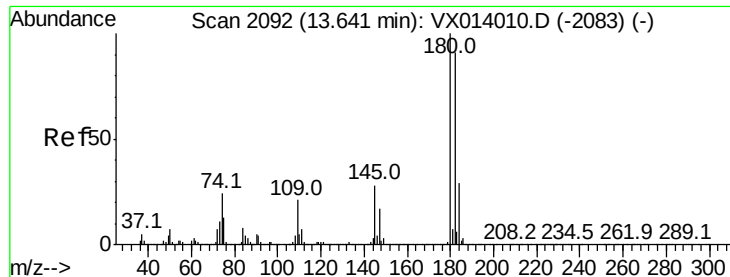


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

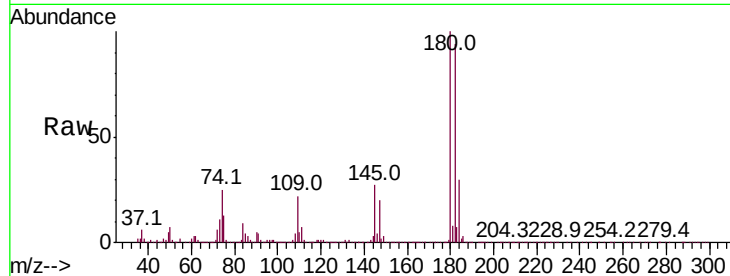




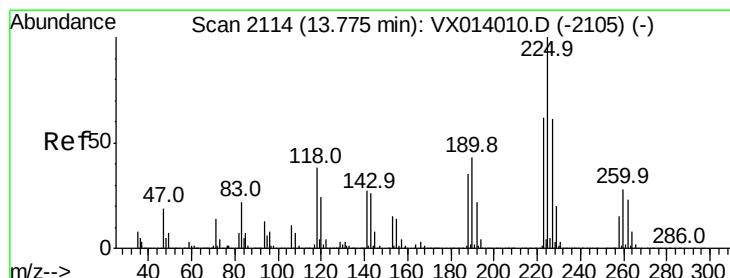
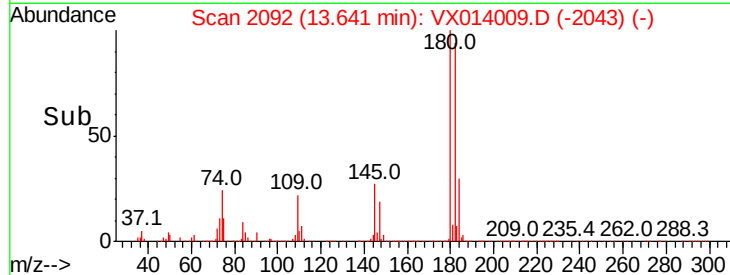
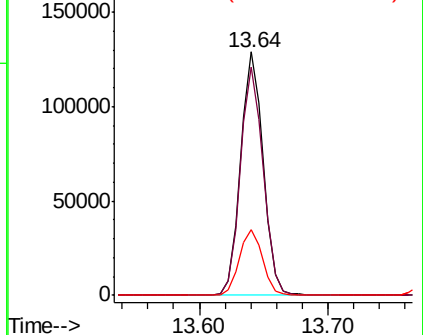
#93
 1,2,4-Trichlorobenzene
 Concen: 17.900 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 156382
 Ion Ratio Lower Upper
 180 100
 182 95.0 46.6 139.8
 145 27.7 14.2 42.6

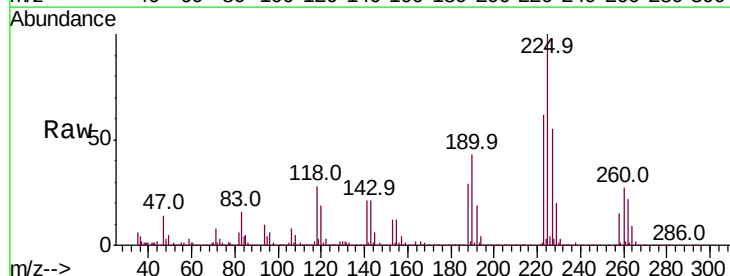


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

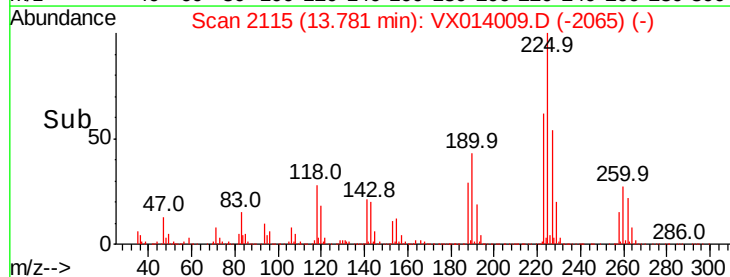
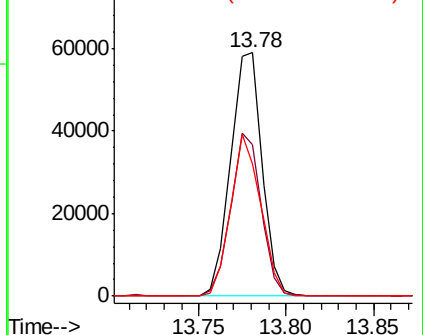


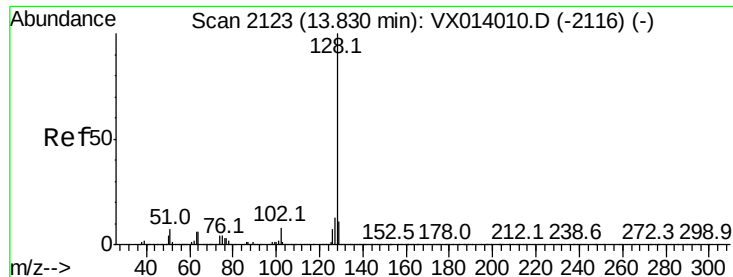
#94
 Hexachlorobutadiene
 Concen: 17.583 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion:225 Resp: 74336
 Ion Ratio Lower Upper
 225 100
 223 64.5 30.9 92.5
 227 63.3 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

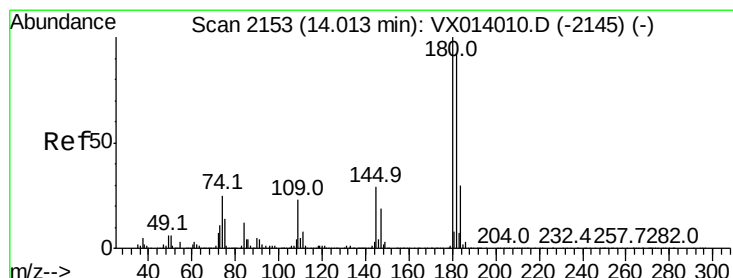
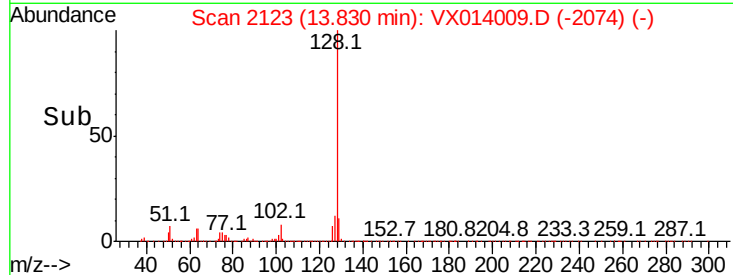
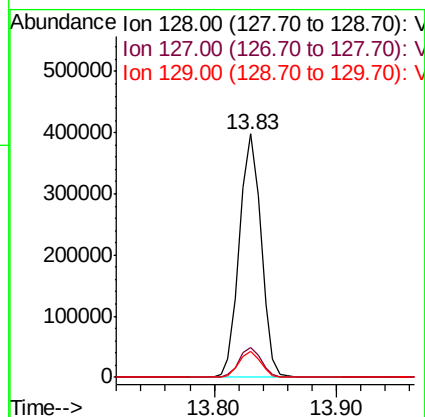
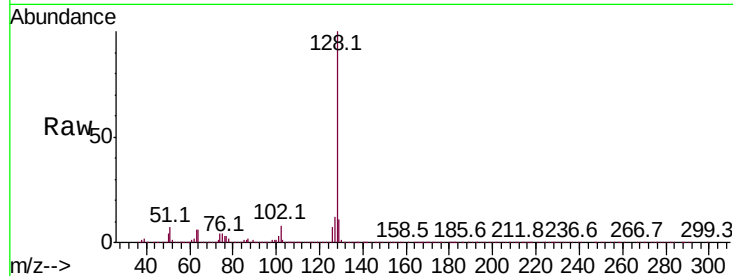




#95
Naphthalene
Concen: 18.715 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	10.5	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.389 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.8	140.3
145	30.5	14.8	44.4

