

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX013868.D
 Acq On : 09 Dec 2019 22:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 12 08:15:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	579746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	905928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	815139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	400110	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	309081	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
35) Dibromofluoromethane	5.49	113	262471	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
50) Toluene-d8	8.71	98	985027	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
62) 4-Bromofluorobenzene	11.14	95	354900	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	276696	42.879	ug/l	97
3) Chloromethane	1.32	50	320174	44.219	ug/l	99
4) Vinyl Chloride	1.40	62	378022	46.386	ug/l	99
5) Bromomethane	1.63	94	252251	46.090	ug/l	99
6) Chloroethane	1.71	64	214015	46.149	ug/l	97
7) Trichlorofluoromethane	1.92	101	403133	44.549	ug/l	100
8) Diethyl Ether	2.18	74	194658	47.548	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	252395	45.663	ug/l	99
10) Methyl Iodide	2.50	142	310260	46.402	ug/l	100
11) Tert butyl alcohol	3.04	59	359572	216.470	ug/l	100
12) 1,1-Dichloroethene	2.36	96	250400	45.385	ug/l	100
13) Acrolein	2.28	56	287846	258.897	ug/l	99
14) Allyl chloride	2.72	41	458799	45.823	ug/l	100
15) Acrylonitrile	3.13	53	825354	240.716	ug/l	99
16) Acetone	2.44	43	850926	256.113	ug/l	99
17) Carbon Disulfide	2.56	76	637839	40.554	ug/l	99
18) Methyl Acetate	2.76	43	477413	51.602	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	877330	48.001	ug/l	100
20) Methylene Chloride	2.85	84	301433	47.224	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	272430	45.326	ug/l	96
22) Diisopropyl ether	3.84	45	945761	49.056	ug/l	98
23) Vinyl Acetate	3.80	43	3604795	224.760	ug/l	99
24) 1,1-Dichloroethane	3.69	63	511847	48.565	ug/l	99
25) 2-Butanone	4.66	43	1220929	247.261	ug/l	99
26) 2,2-Dichloropropane	4.58	77	362261	41.544	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	322244	46.686	ug/l	99
28) Bromochloromethane	5.01	49	216301	51.934	ug/l	99
29) Tetrahydrofuran	5.12	42	744558	244.598	ug/l	99
30) Chloroform	5.20	83	494824	46.295	ug/l	96
31) Cyclohexane	5.58	56	444052	44.670	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	417509	46.743	ug/l	99
36) 1,1-Dichloropropene	5.79	75	365796	44.481	ug/l	100
37) Ethyl Acetate	4.82	43	443633	48.087	ug/l	100
38) Carbon Tetrachloride	5.78	117	352689	46.511	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	428602	42.164	ug/l	99
40) Benzene	6.14	78	1138114	45.441	ug/l	100
41) Methacrylonitrile	5.03	41	248154	49.047	ug/l	100
42) 1,2-Dichloroethane	6.18	62	398300	46.630	ug/l	100
43) Isopropyl Acetate	6.43	43	717562	47.245	ug/l	100
44) Trichloroethene	7.21	130	316042	45.977	ug/l	96
45) 1,2-Dichloropropane	7.51	63	304938	48.662	ug/l	98
46) Dibromomethane	7.65	93	191574	45.012	ug/l	99
47) Bromodichloromethane	7.89	83	388075	48.233	ug/l	97
48) Methyl methacrylate	7.76	41	354333	48.015	ug/l	98
49) 1,4-Dioxane	7.73	88	135027	817.436	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2298725	240.610	ug/l	100
52) Toluene	8.78	92	716062	46.020	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	423426	46.235	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	474180	47.392	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	298818	47.656	ug/l	98
56) Ethyl methacrylate	9.17	69	486075	48.217	ug/l	100
57) 1,3-Dichloropropane	9.37	76	502703	46.513	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	934281	236.377	ug/l	100
59) 2-Hexanone	9.49	43	1794966	240.896	ug/l	99
60) Dibromochloromethane	9.58	129	315177	48.435	ug/l	100
61) 1,2-Dibromoethane	9.67	107	312589	46.677	ug/l	99
64) Tetrachloroethene	9.33	164	358573	58.987	ug/l	99
65) Chlorobenzene	10.14	112	776381	45.875	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	288985	47.552	ug/l	99
67) Ethyl Benzene	10.24	91	1359770	46.757	ug/l	99
68) m/p-Xylenes	10.35	106	1032704	92.751	ug/l	99
69) o-Xylene	10.70	106	507099	46.698	ug/l	98
70) Styrene	10.71	104	865129	47.360	ug/l	99
71) Bromoform	10.85	173	246100	48.942	ug/l	99
73) Isopropylbenzene	11.01	105	1339170	47.715	ug/l	100
74) N-amyl acetate	10.89	43	631252	49.099	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	470486	48.338	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	535693	59.527	ug/l	88
77) Bromobenzene	11.25	156	351436	46.350	ug/l	98
78) n-propylbenzene	11.35	91	1511741	48.251	ug/l	100
79) 2-Chlorotoluene	11.42	91	889809	47.345	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1117209	48.568	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	152630	46.401	ug/l	98
82) 4-Chlorotoluene	11.51	91	1025743	47.122	ug/l	99
83) tert-Butylbenzene	11.76	119	1063123	45.476	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	1121789	48.051	ug/l	100
85) sec-Butylbenzene	11.94	105	1290852	48.342	ug/l	100
86) p-Isopropyltoluene	12.06	119	1192201	47.993	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	603449	45.657	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	614996	45.683	ug/l	99
89) n-Butylbenzene	12.38	91	1003052	47.343	ug/l	100
90) Hexachloroethane	12.59	117	214390	47.748	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	615600	47.140	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	100329	47.335	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

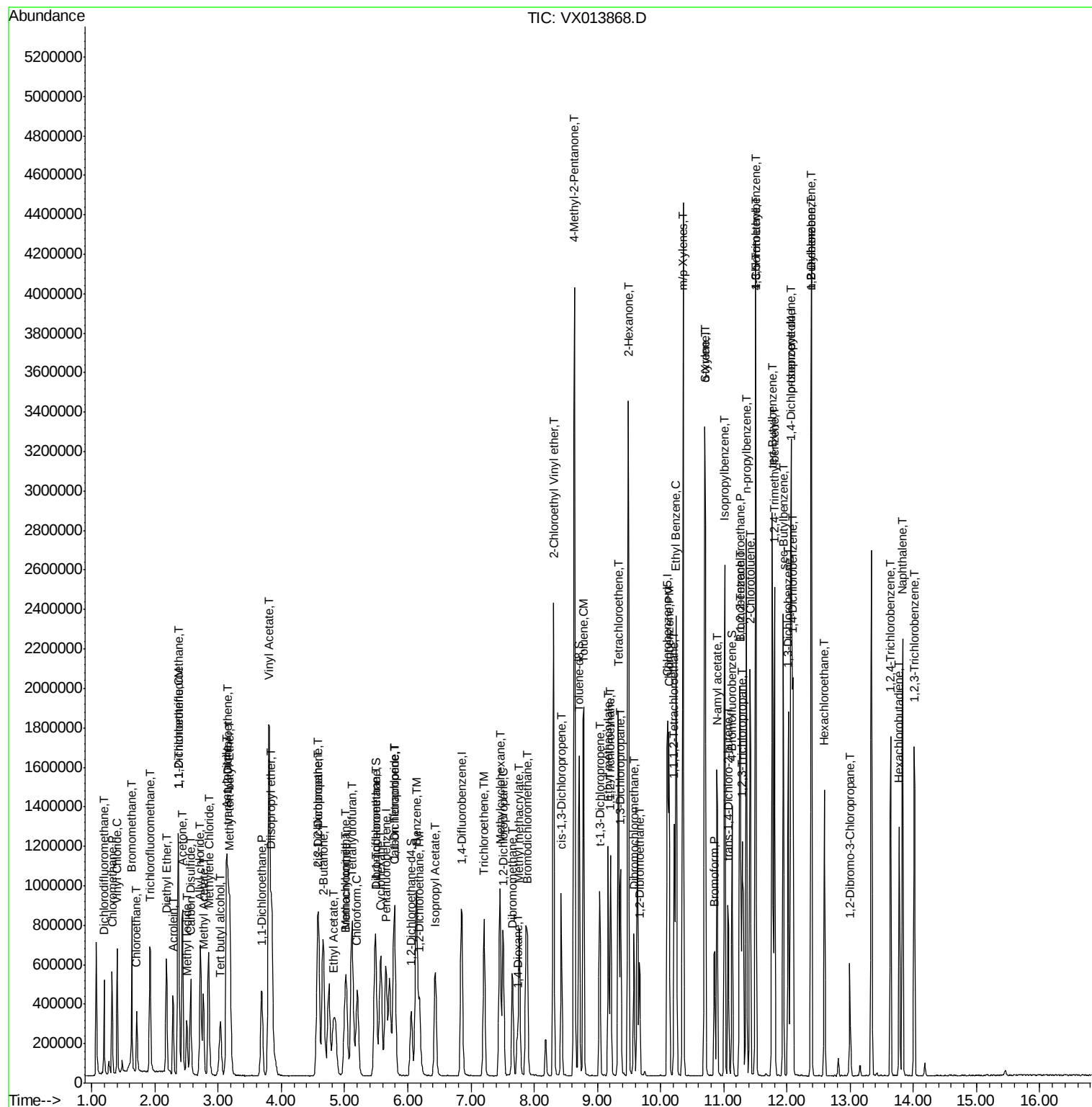
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	413247	45.406	ug/l	98
94) Hexachlorobutadiene	13.77	225	194703	44.534	ug/l	99
95) Naphthalene	13.83	128	1319793	48.695	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	424362	47.093	ug/l	100

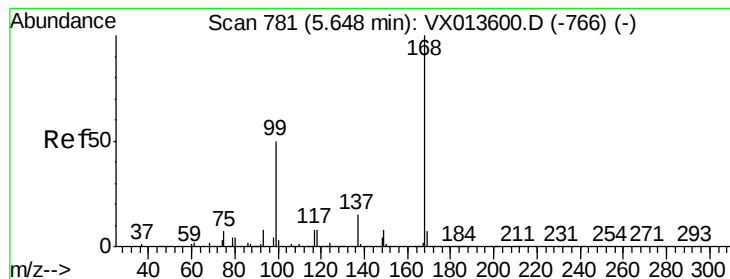
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

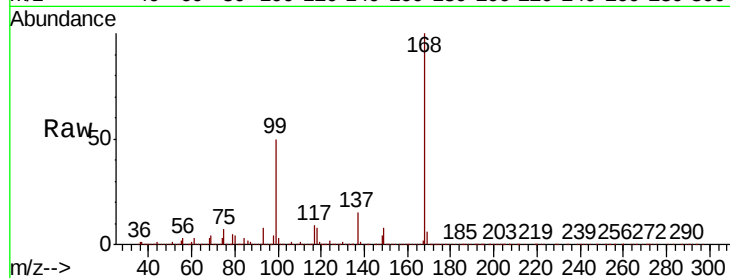
VSTDCCC050EC

Tot Ion:168 Resp: 579746

Ion Ratio Lower Upper

168 100

99 49.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

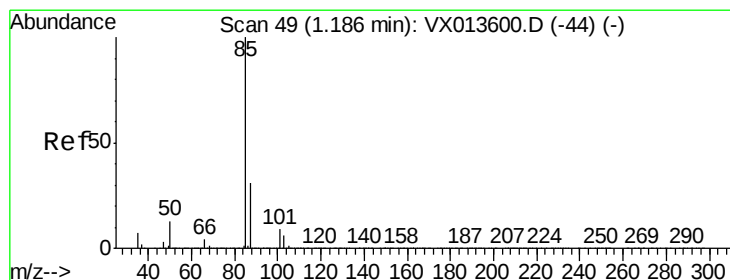
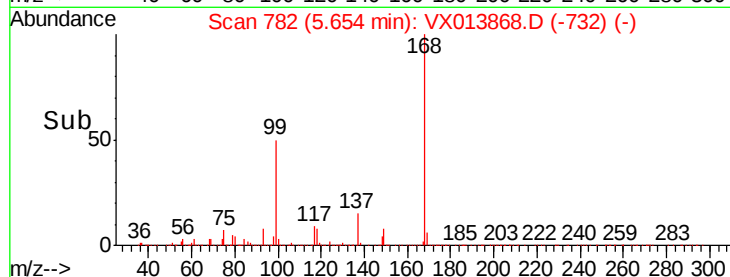
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.879 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013868.D

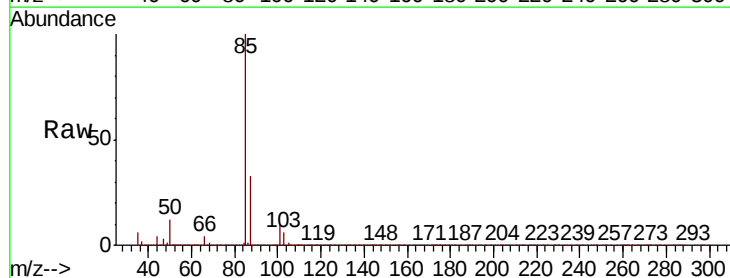
Acq: 09 Dec 2019 22:01

Tgt Ion: 85 Resp: 276696

Ion Ratio Lower Upper

85 100

87 33.0 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

300000

250000

200000

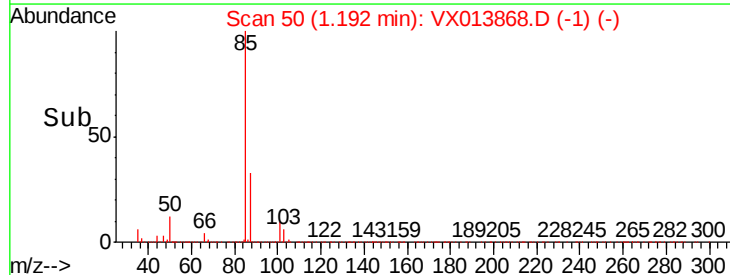
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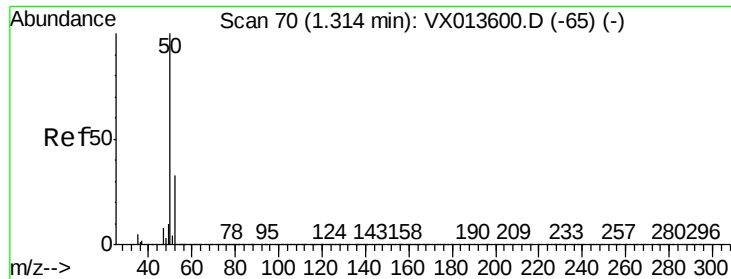
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.219 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

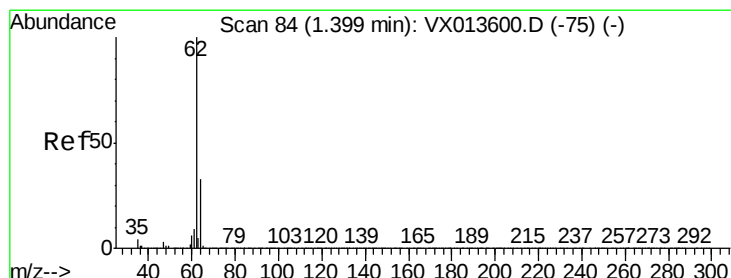
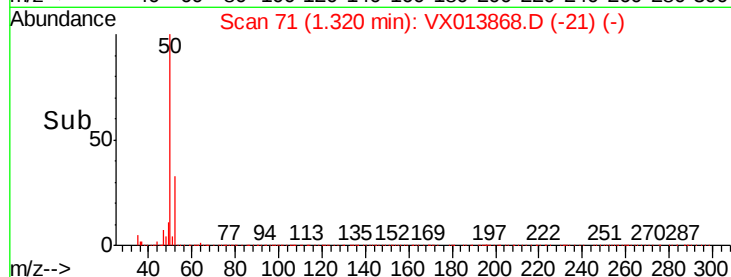
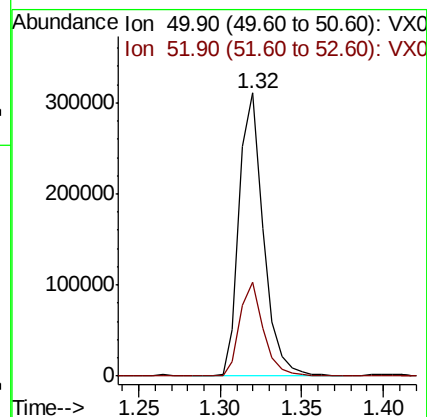
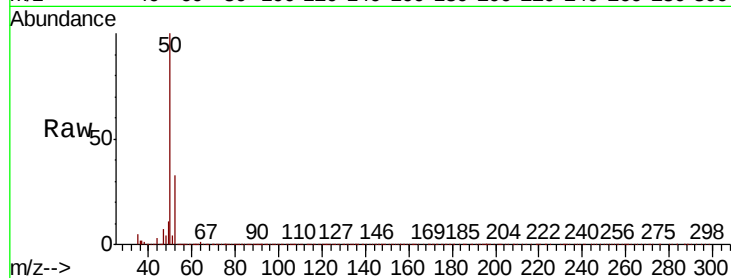
VSTDCCC050EC

Tot Ion: 50 Resp: 320174

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



#4

Vinyl Chloride

Concen: 46.386 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013868.D

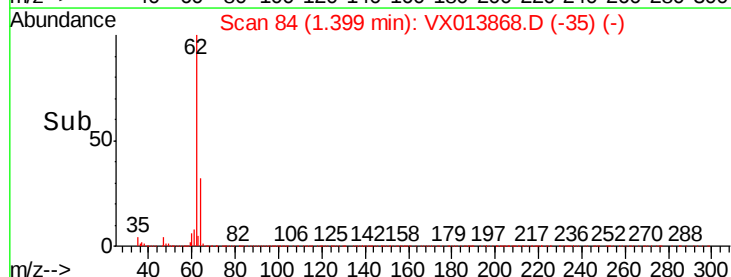
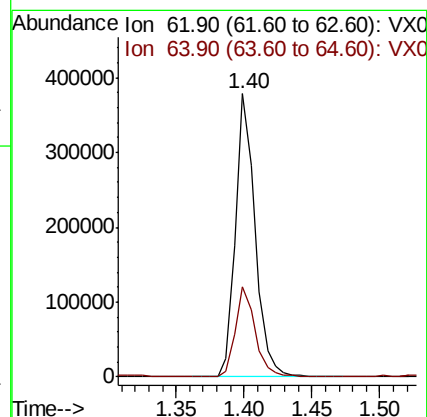
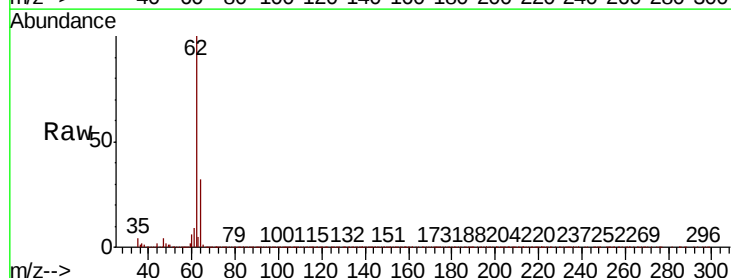
Acq: 09 Dec 2019 22:01

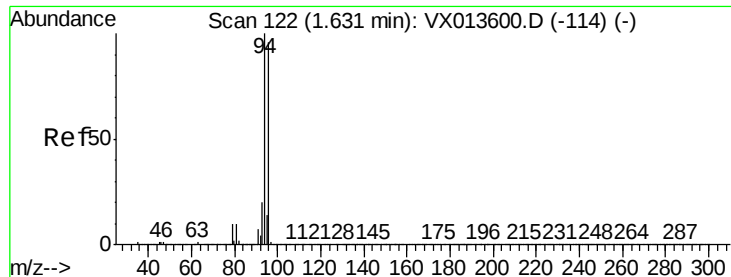
Tgt Ion: 62 Resp: 378022

Ion Ratio Lower Upper

62 100

64 31.8 26.0 39.0





#5

Bromomethane

Concen: 46.090 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

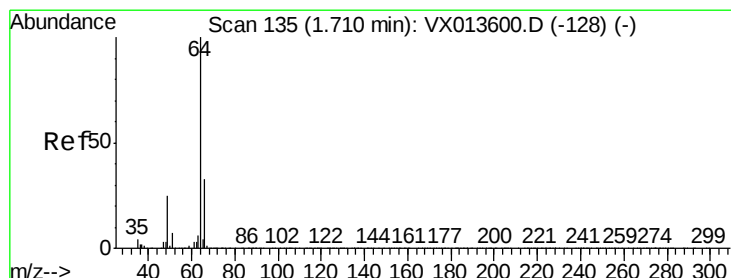
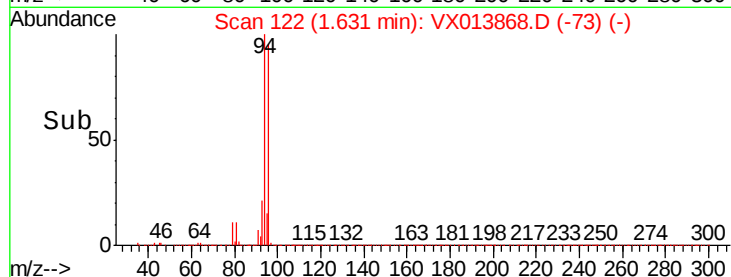
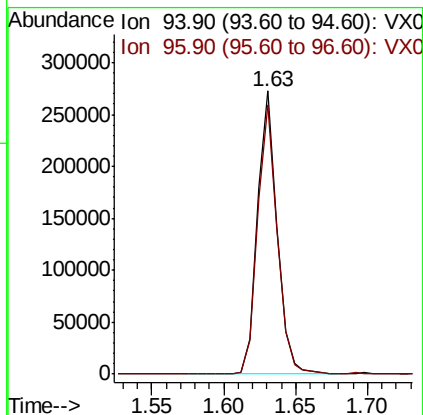
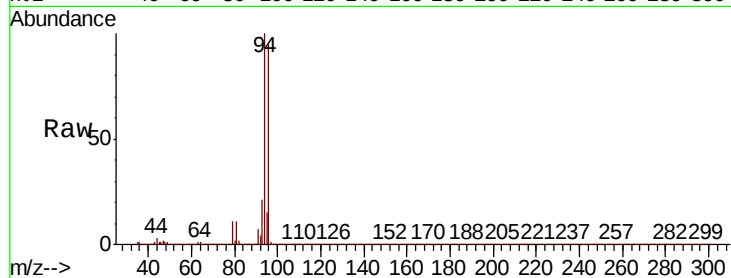
VSTDCCC050EC

Tot Ion: 94 Resp: 252251

Ion Ratio Lower Upper

94 100

96 95.2 77.0 115.4



#6

Chloroethane

Concen: 46.149 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX013868.D

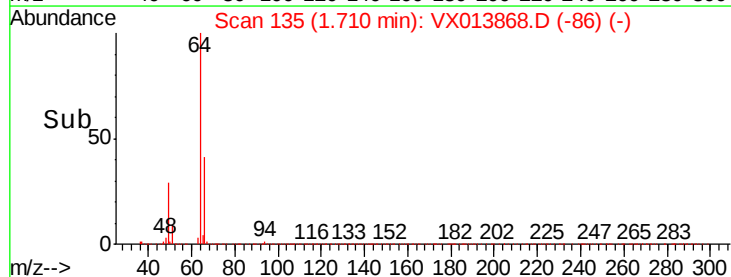
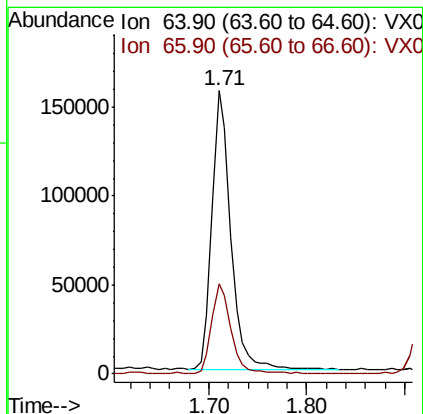
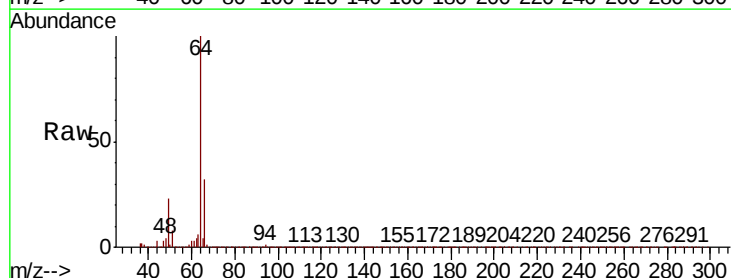
Acq: 09 Dec 2019 22:01

Tgt Ion: 64 Resp: 214015

Ion Ratio Lower Upper

64 100

66 32.0 26.7 40.1



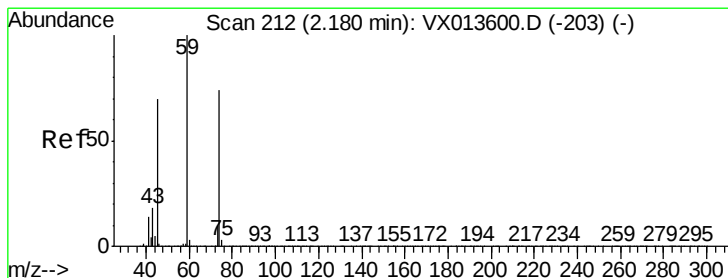
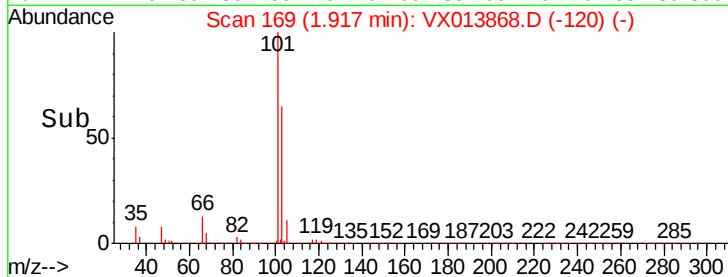
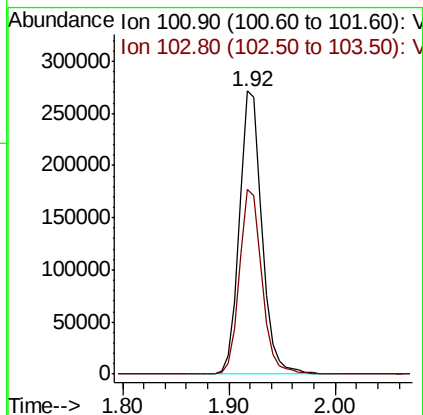
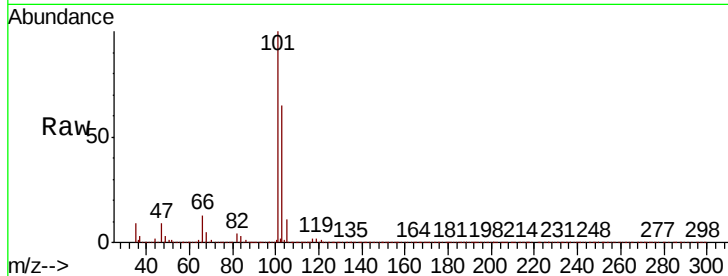


#7

Trichlorofluoromethane
Concen: 44.549 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

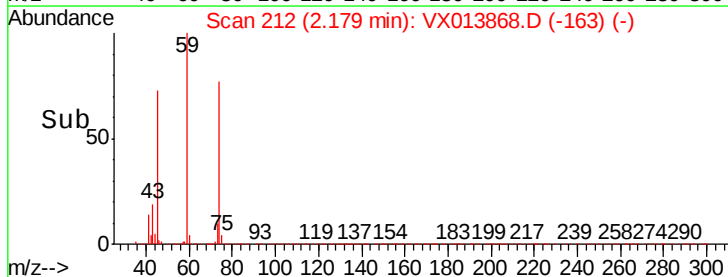
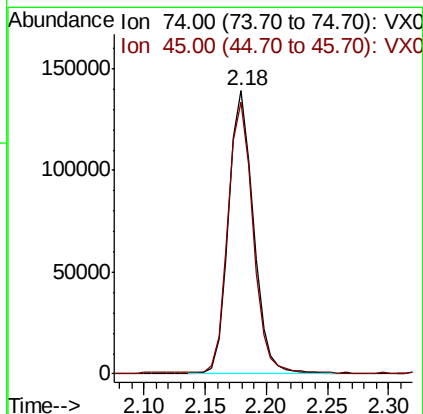
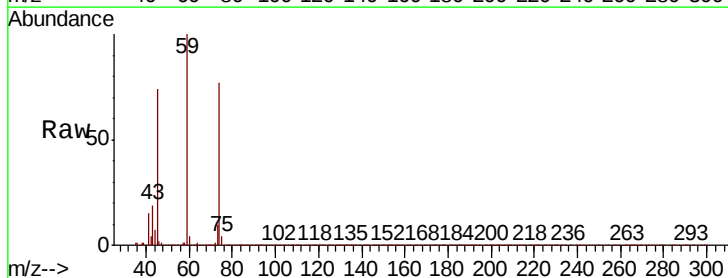
Tot Ion:101 Resp: 403133
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.6

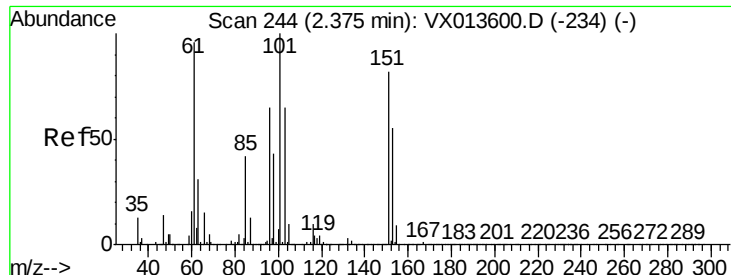


#8

Diethyl Ether
Concen: 47.548 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 74 Resp: 194658
Ion Ratio Lower Upper
74 100
45 97.0 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.663 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

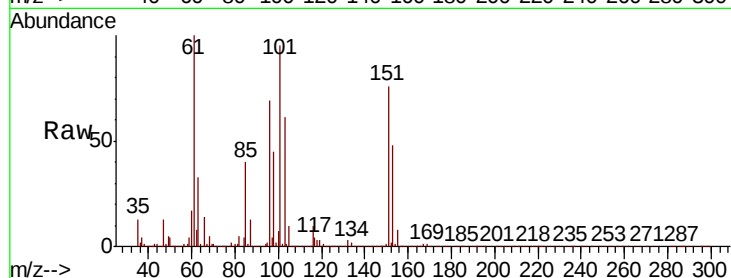
Tot Ion:101 Resp: 252395

Ion Ratio Lower Upper

101 100

85 41.5 33.9 50.9

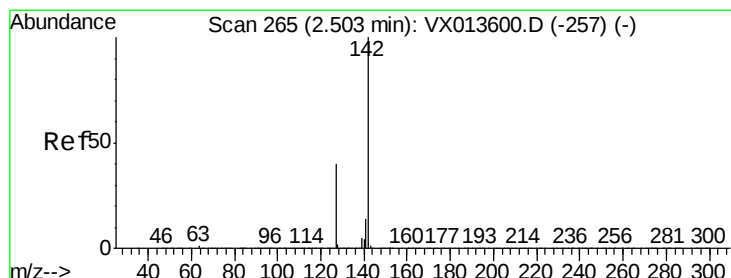
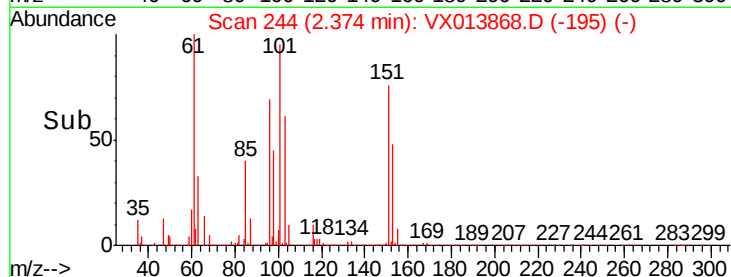
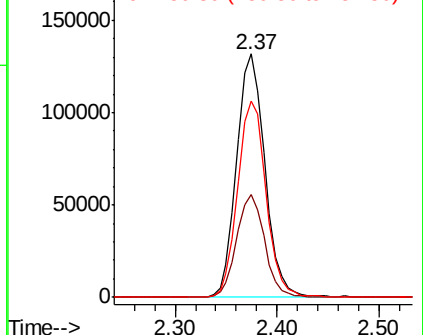
151 81.5 64.2 96.2



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: 46.402 ug/l

RT: 2.50 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

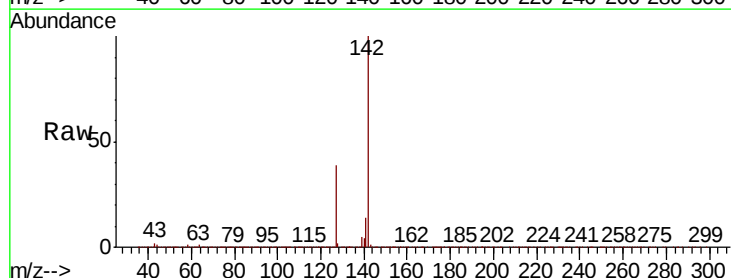
Tgt Ion:142 Resp: 310260

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.4

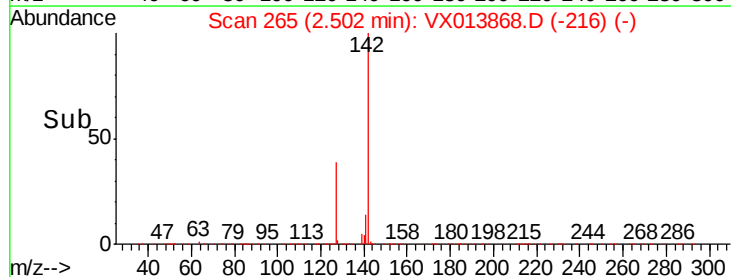
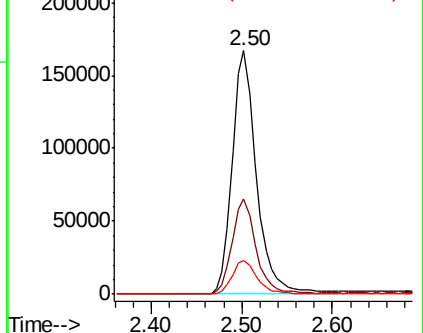
141 14.4 11.6 17.4

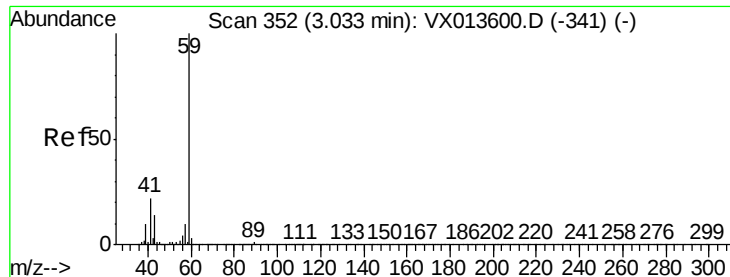


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

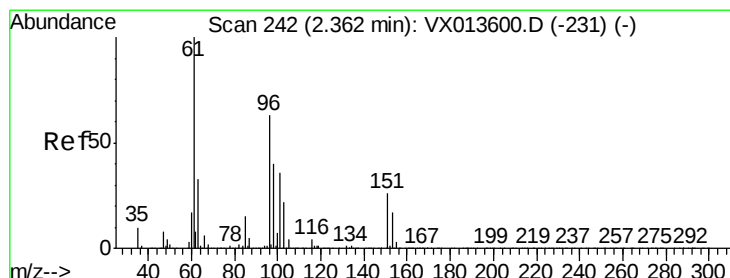
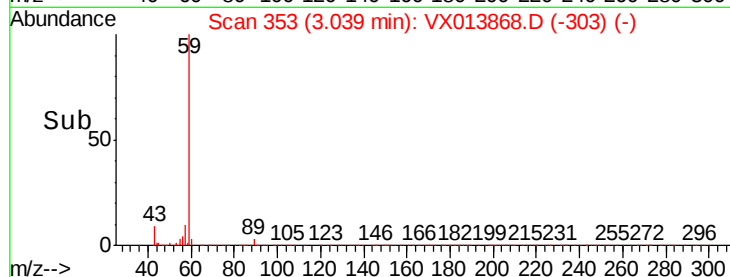
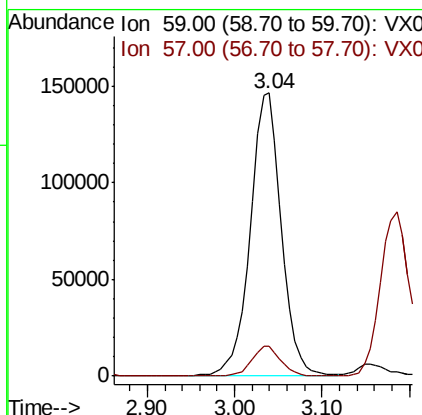
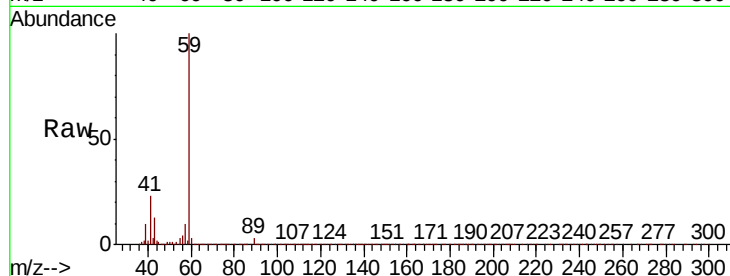




#11
Tert butyl alcohol
Concen: 216.470 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

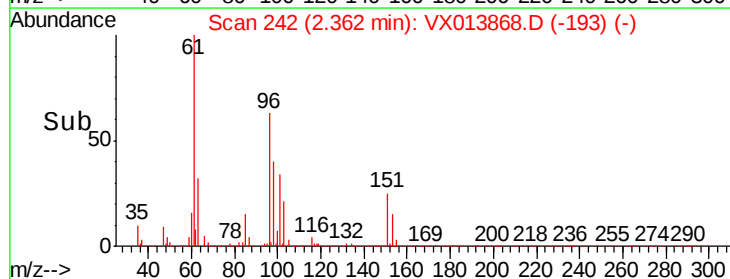
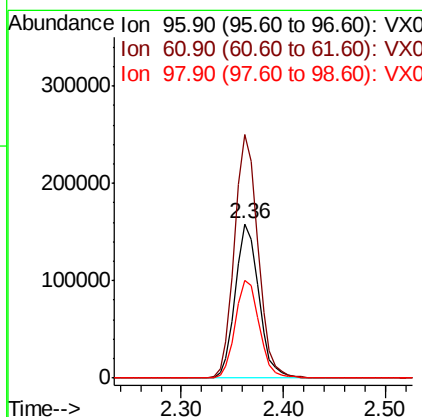
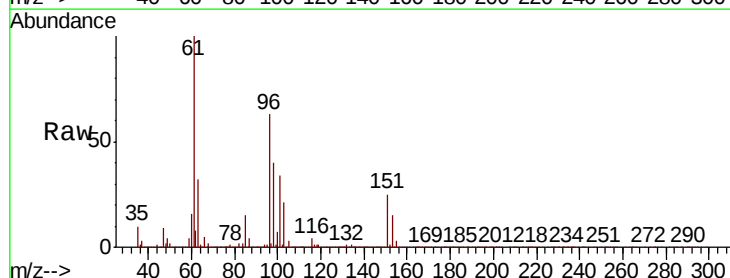
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

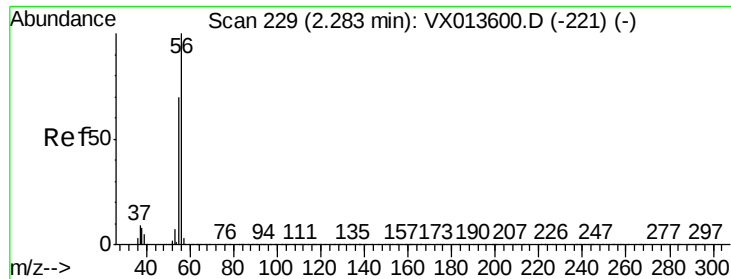
Tot Ion: 59 Resp: 359572
Ion Ratio Lower Upper
59 100
57 9.6 7.8 11.6



#12
1,1-Dichloroethene
Concen: 45.385 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 96 Resp: 250400
Ion Ratio Lower Upper
96 100
61 157.7 126.6 190.0
98 63.0 50.6 76.0

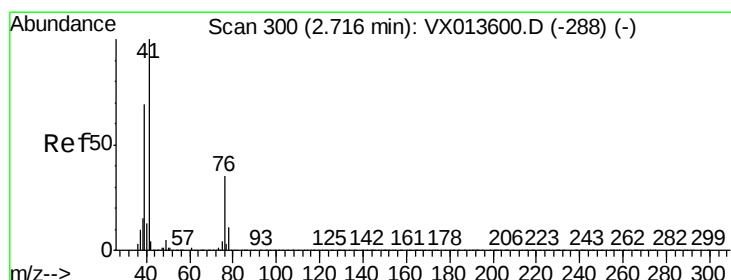
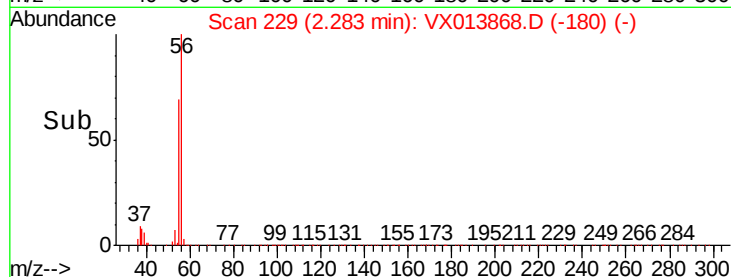
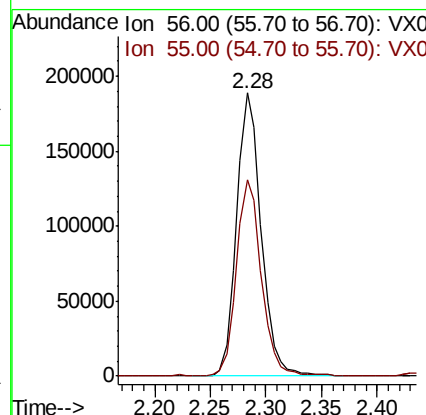
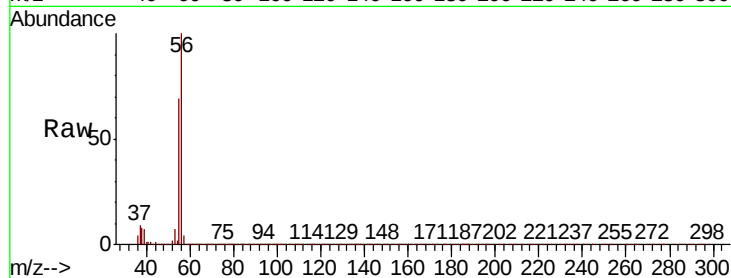




#13
Acrolein
Concen: 258.897 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

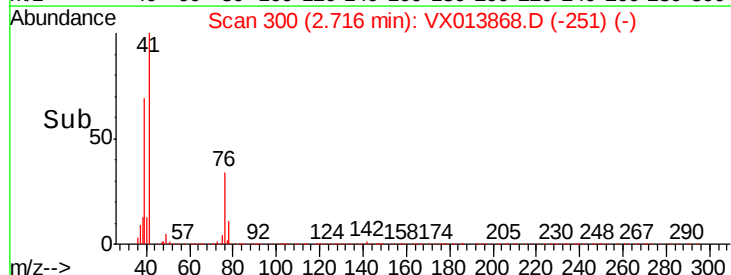
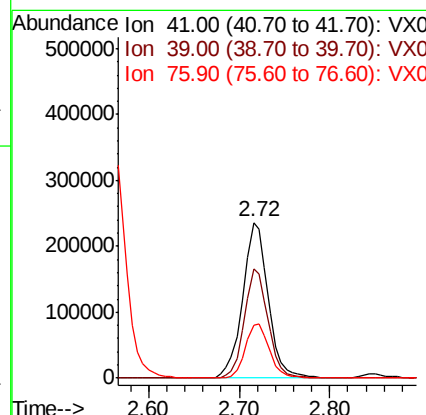
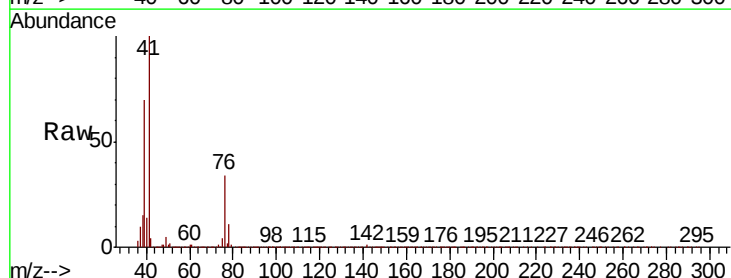
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

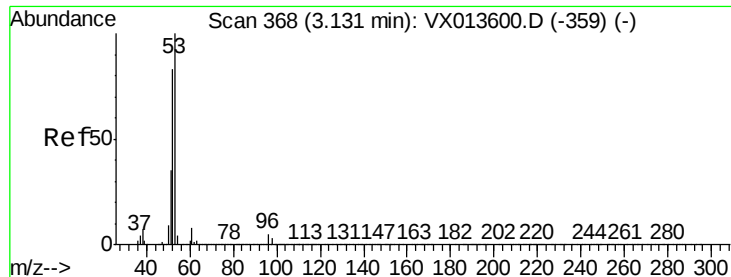
Tot Ion: 56 Resp: 287846
Ion Ratio Lower Upper
56 100
55 69.7 56.2 84.4



#14
Allyl chloride
Concen: 45.823 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 41 Resp: 458799
Ion Ratio Lower Upper
41 100
39 64.9 51.7 77.5
76 32.4 25.9 38.9





#15

Acrylonitrile

Concen: 240.716 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

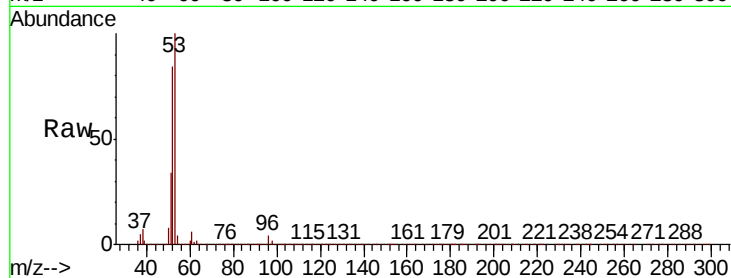
Tot Ion: 53 Resp: 825354

Ion Ratio Lower Upper

53 100

52 83.6 66.2 99.2

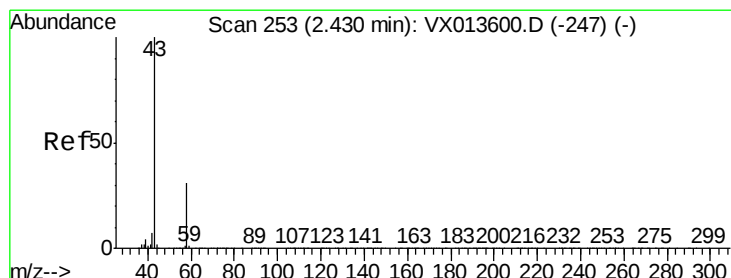
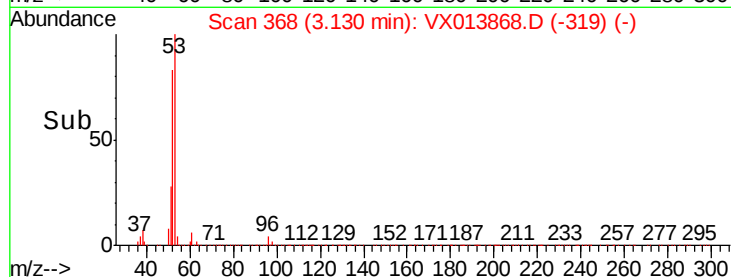
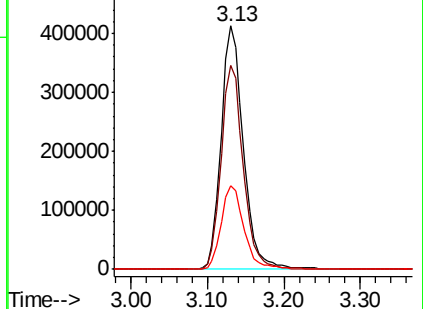
51 35.4 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 256.113 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013868.D

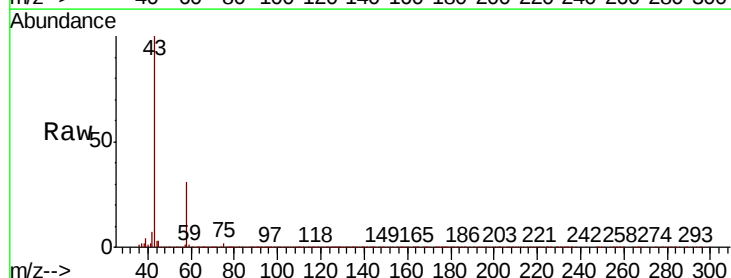
Acq: 09 Dec 2019 22:01

Tgt Ion: 43 Resp: 850926

Ion Ratio Lower Upper

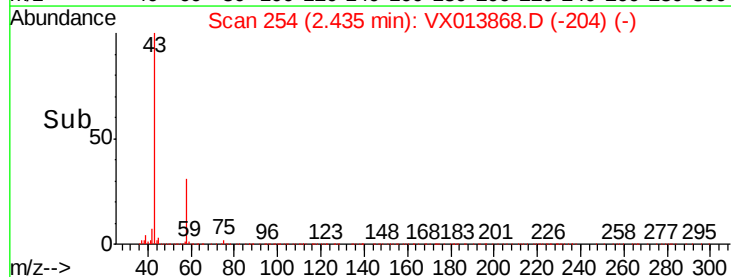
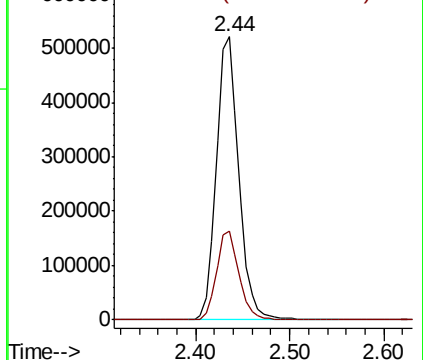
43 100

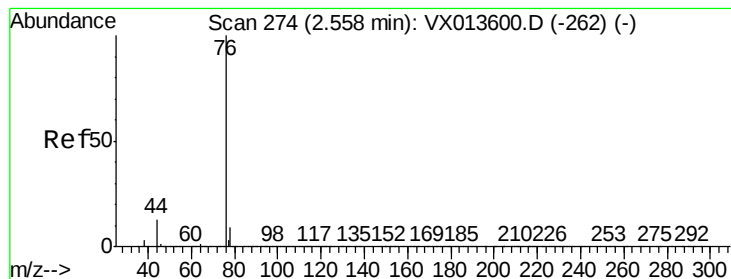
58 31.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 40.554 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

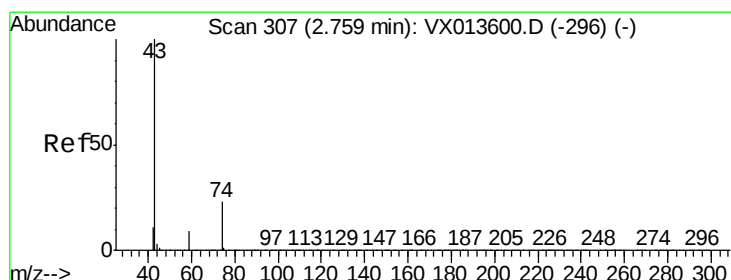
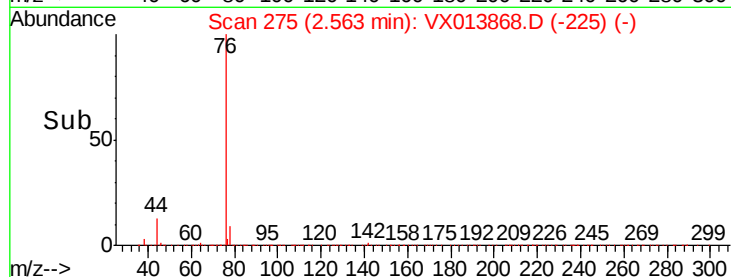
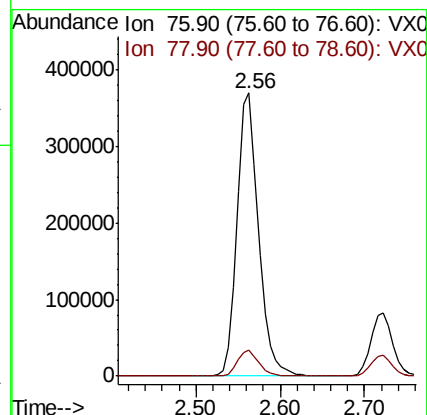
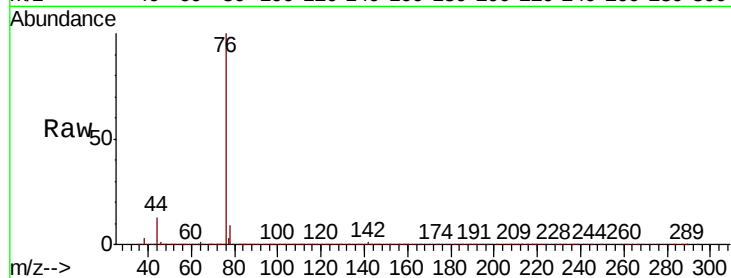
VSTDCCC050EC

Tot Ion: 76 Resp: 637839

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



#18

Methyl Acetate

Concen: 51.602 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX013868.D

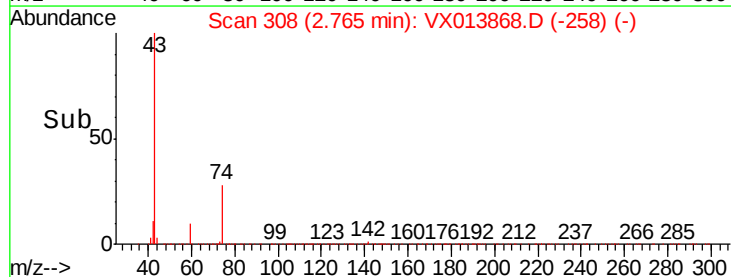
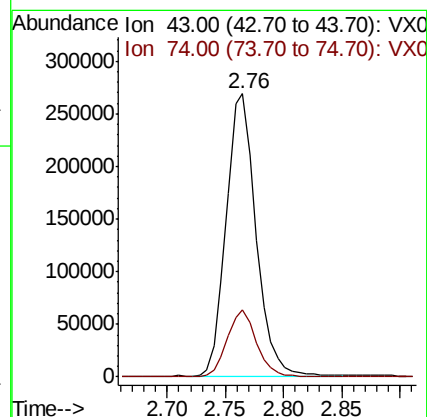
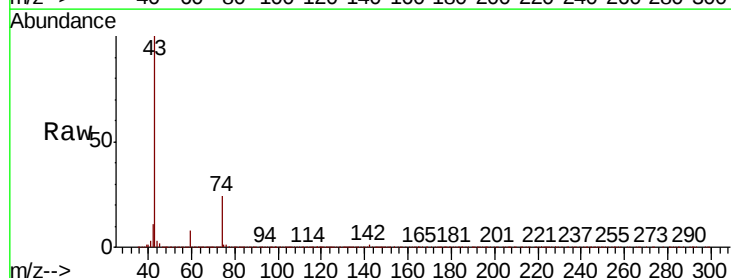
Acq: 09 Dec 2019 22:01

Tgt Ion: 43 Resp: 477413

Ion Ratio Lower Upper

43 100

74 24.0 19.5 29.3

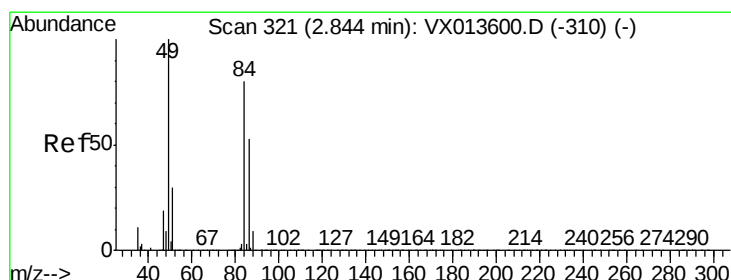
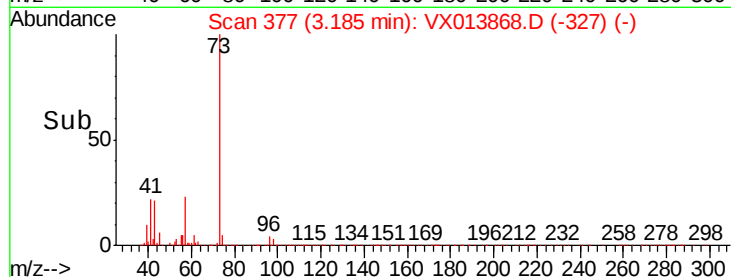
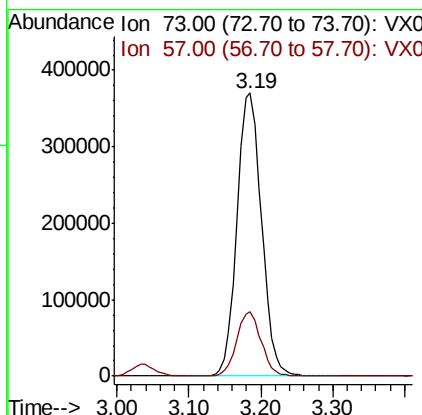
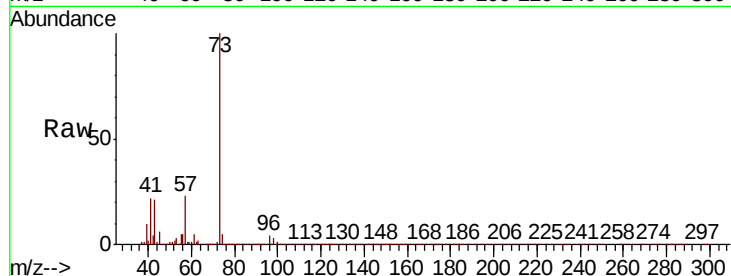




#19
Methvl tert-butvl Ether
Concen: 48.001 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

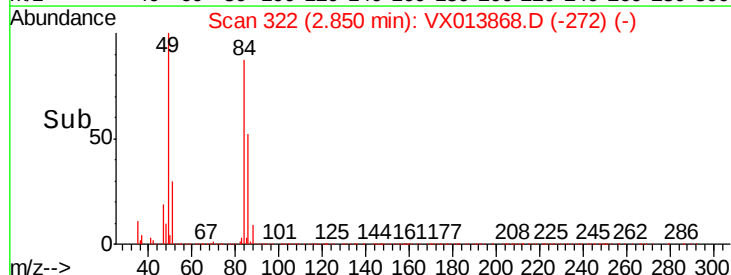
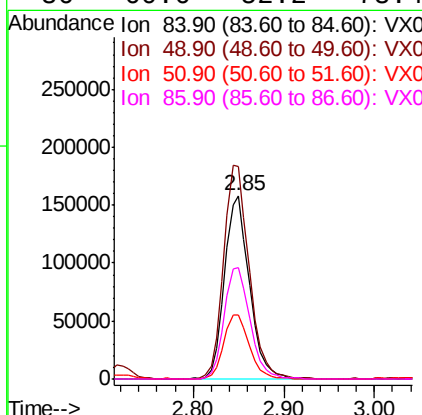
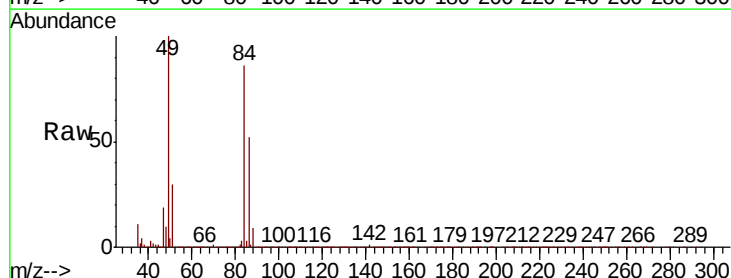
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

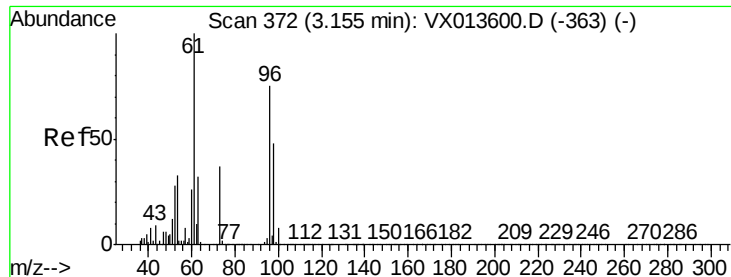
Tot Ion: 73 Resp: 877330
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5



#20
Methylene Chloride
Concen: 47.224 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 84 Resp: 301433
Ion Ratio Lower Upper
84 100
49 115.6 99.7 149.5
51 35.0 29.9 44.9
86 60.6 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 45.326 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

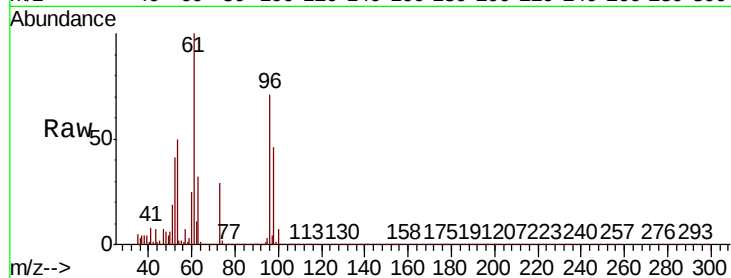
Tot Ion: 96 Resp: 272430

Ion Ratio Lower Upper

96 100

61 140.1 107.2 160.8

98 63.7 51.4 77.0

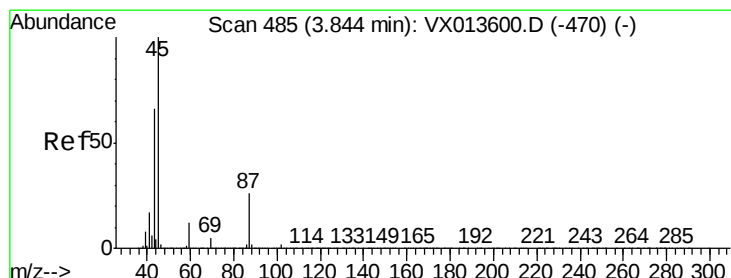
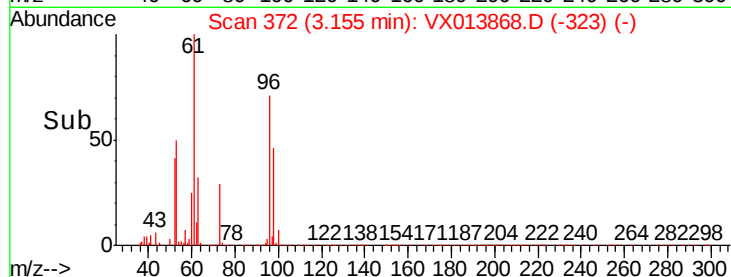
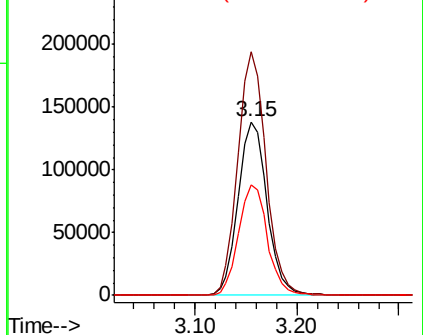


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.056 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Tgt Ion: 45 Resp: 945761

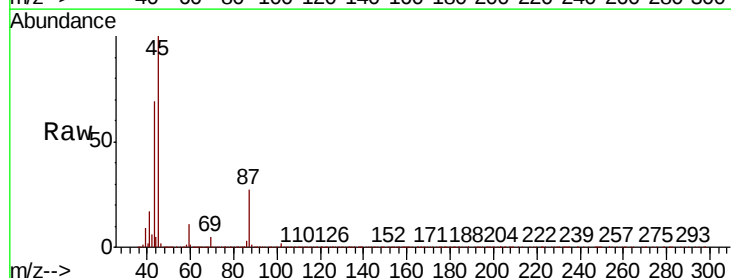
Ion Ratio Lower Upper

45 100

43 68.7 52.6 79.0

87 26.7 21.1 31.7

59 11.3 9.2 13.8



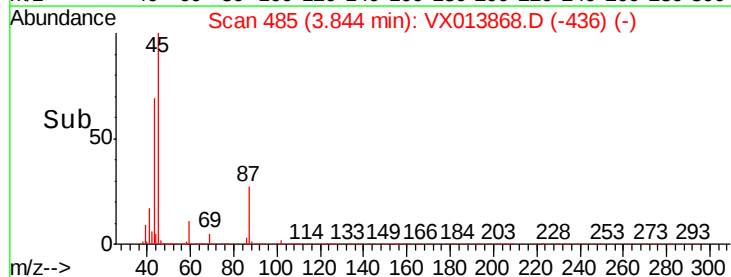
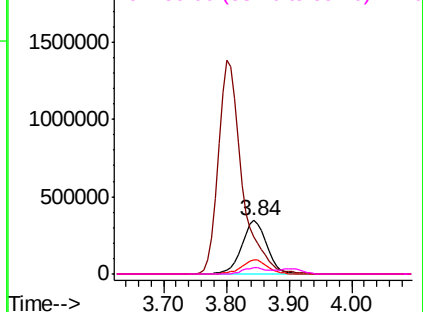
Abundance

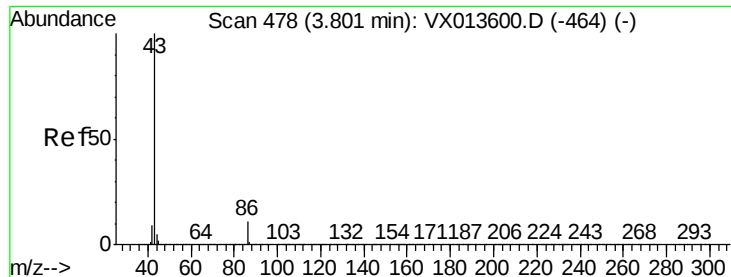
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 224.760 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

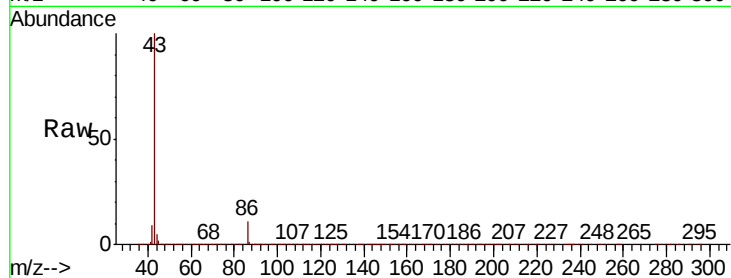
VSTDCCC050EC

Tot Ion: 43 Resp: 3604795

Ion Ratio Lower Upper

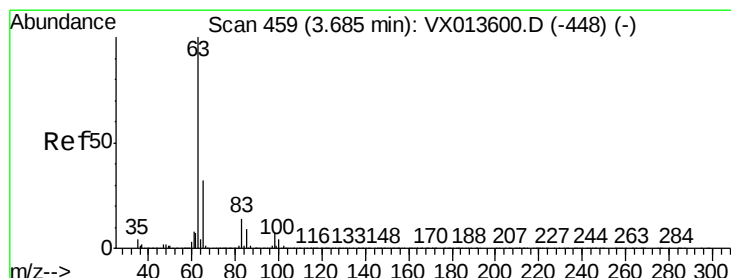
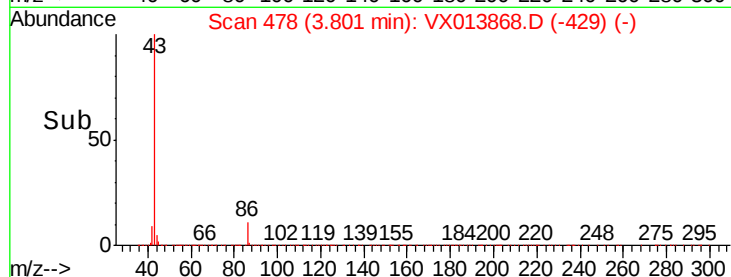
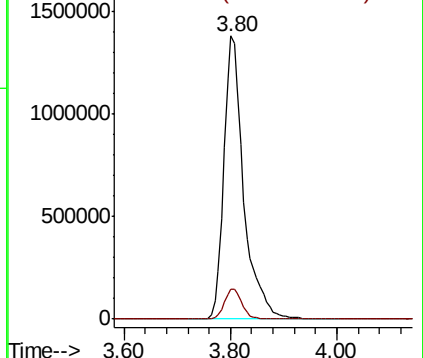
43 100

86 10.7 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.565 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

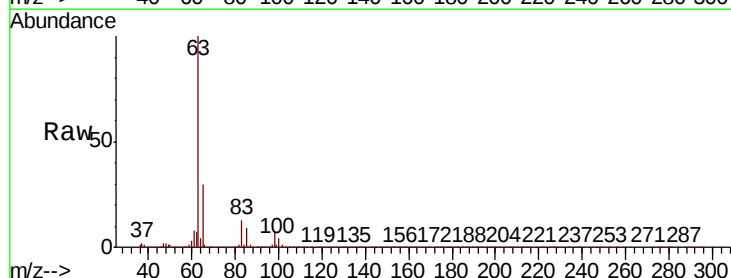
Tgt Ion: 63 Resp: 511847

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

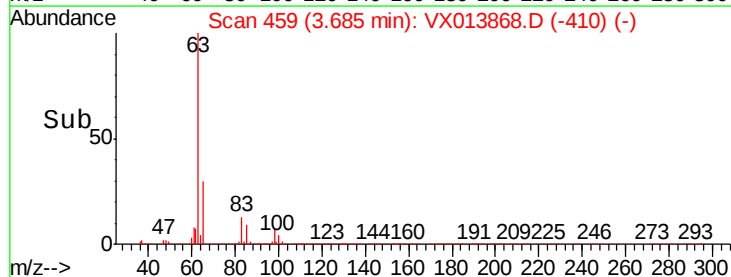
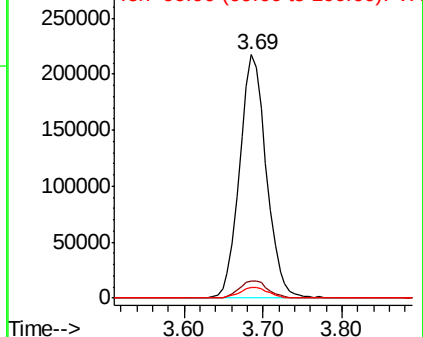
100 4.3 2.1 6.3

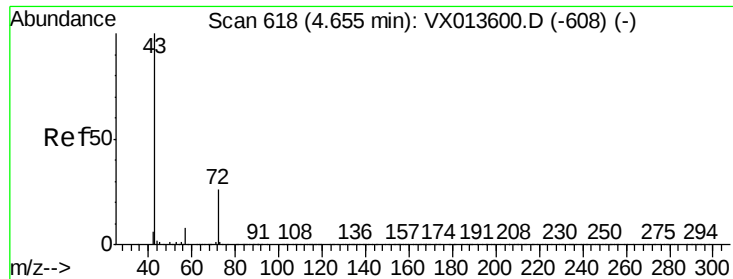


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

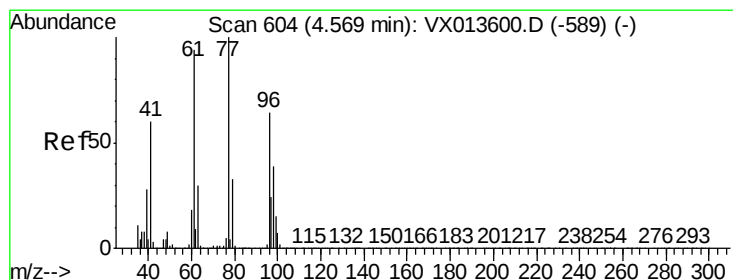
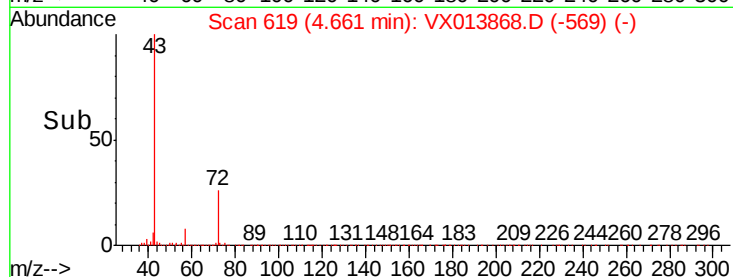
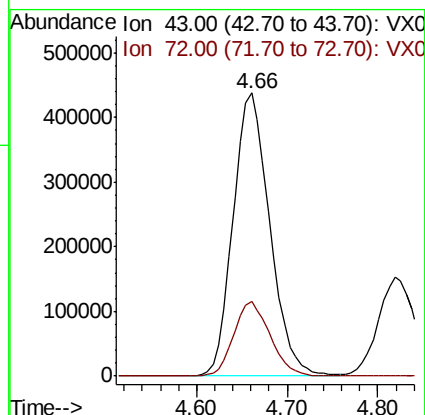
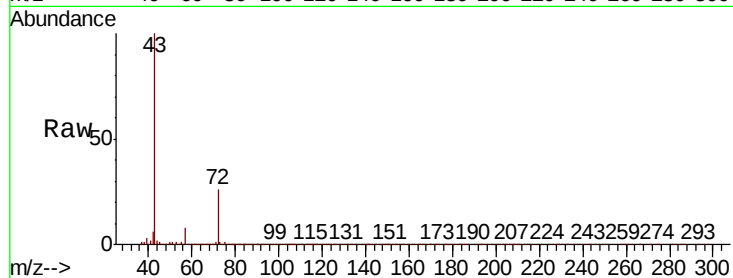




#25
2-Butanone
Concen: 247.261 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

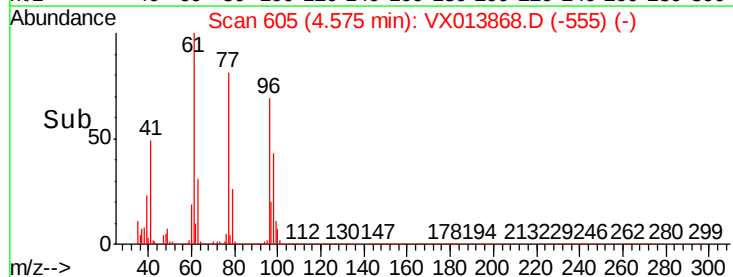
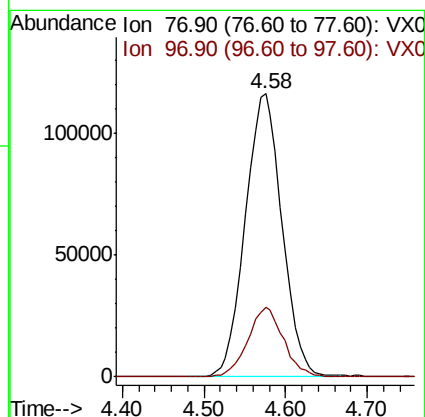
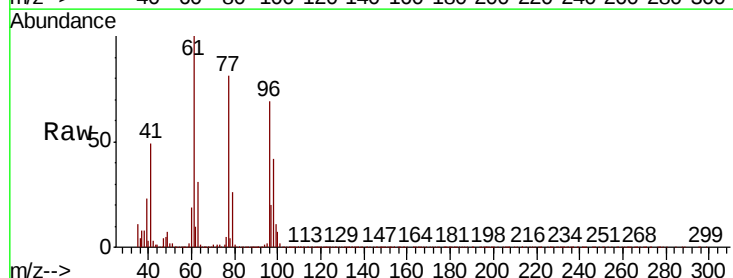
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

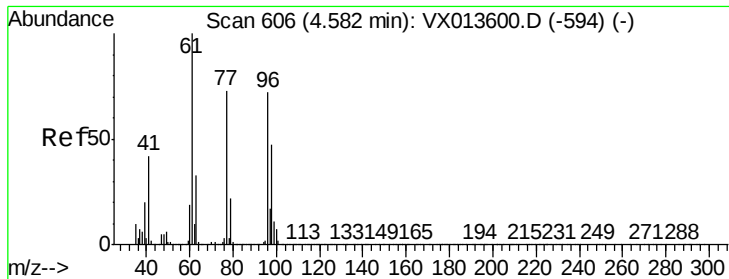
Tot Ion: 43 Resp: 1220929
Ion Ratio Lower Upper
43 100
72 26.3 20.6 31.0



#26
2,2-Dichloropropane
Concen: 41.544 ug/l
RT: 4.58 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 77 Resp: 362261
Ion Ratio Lower Upper
77 100
97 23.6 12.0 36.1



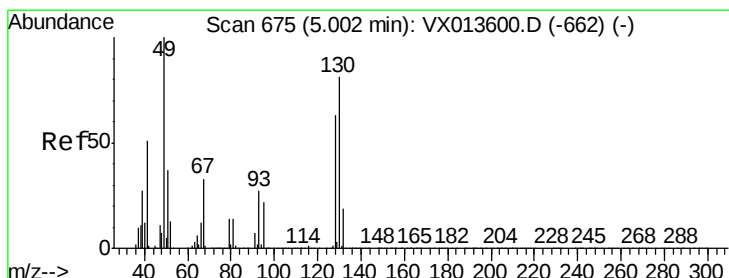
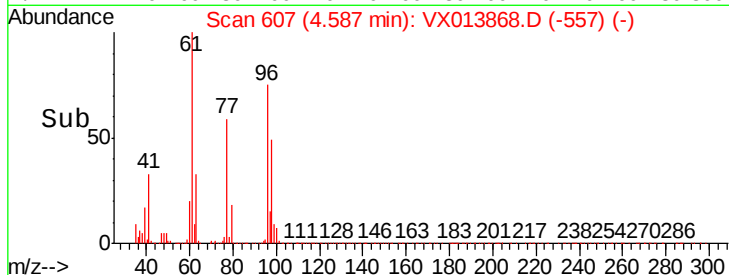
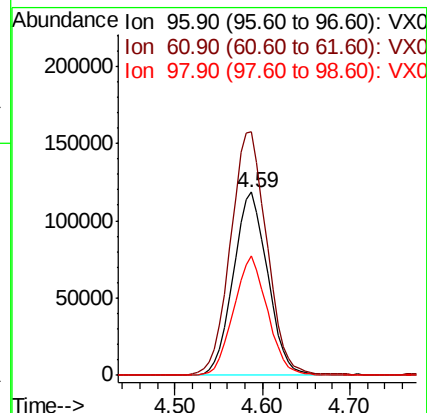
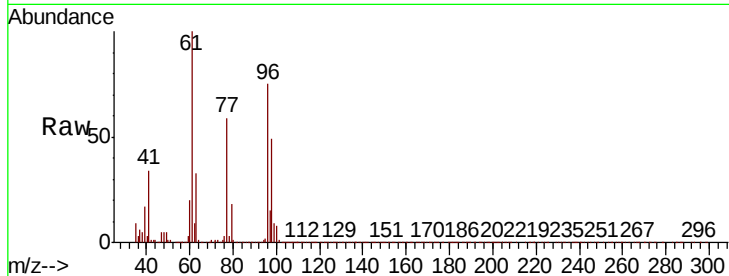


#27

cis-1,2-Dichloroethene
Concen: 46.686 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

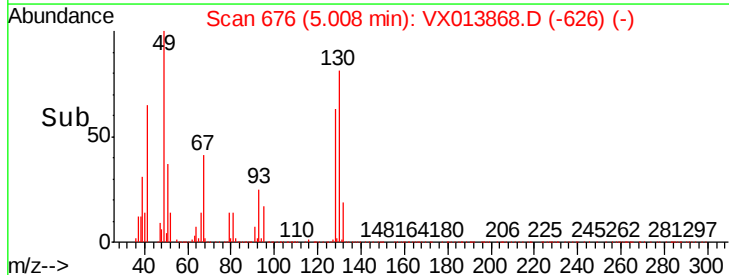
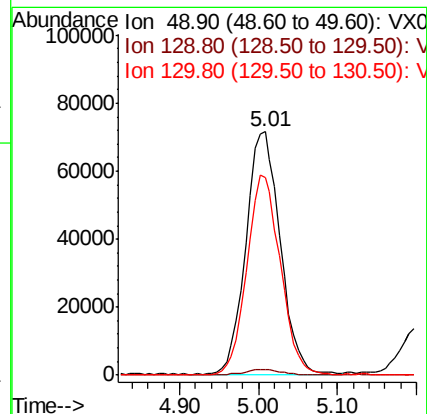
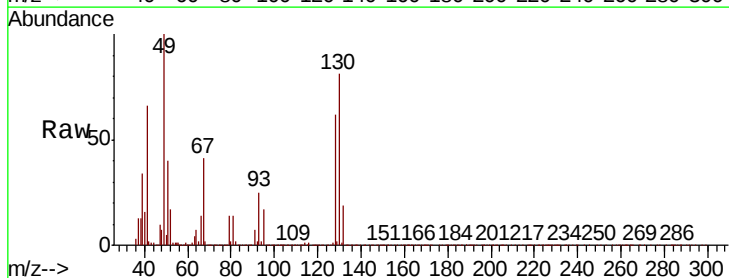
Tot Ion: 96 Resp: 322244
Ion Ratio Lower Upper
96 100
61 140.7 0.0 286.4
98 64.0 0.0 127.4

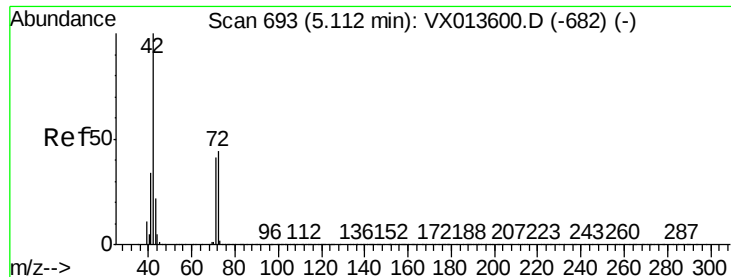


#28

Bromochloromethane
Concen: 51.934 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 49 Resp: 216301
Ion Ratio Lower Upper
49 100
129 2.6 0.0 5.0
130 80.8 65.4 98.0

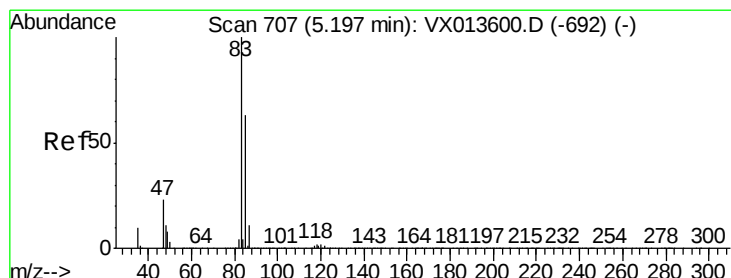
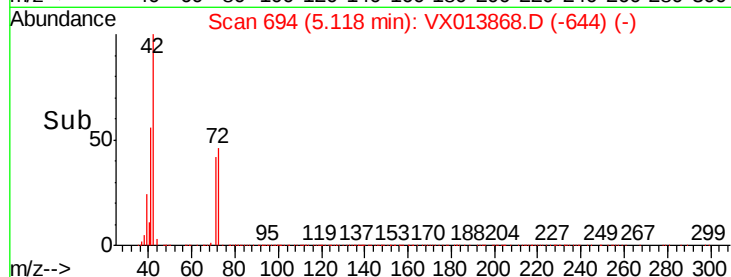
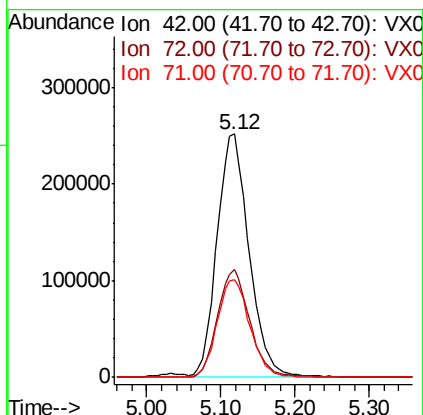
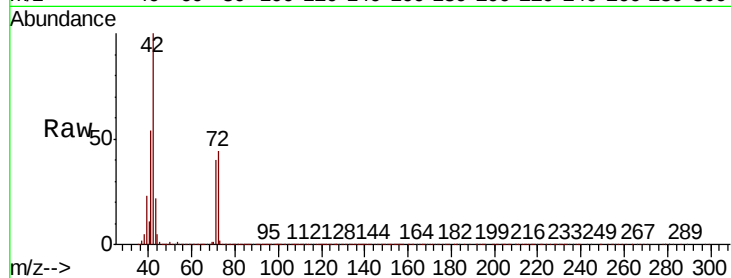




#29
Tetrahydrofuran
Concen: 244.598 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

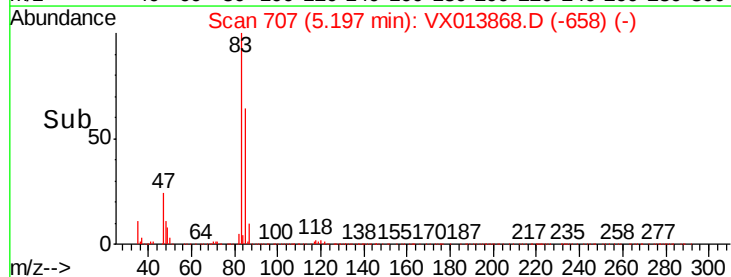
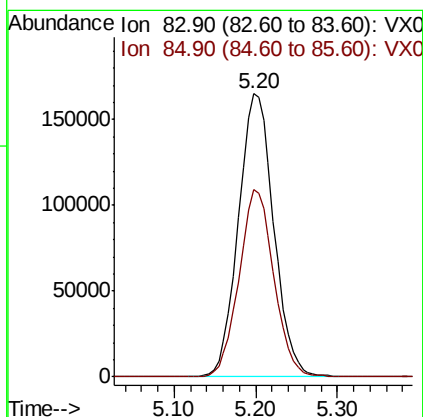
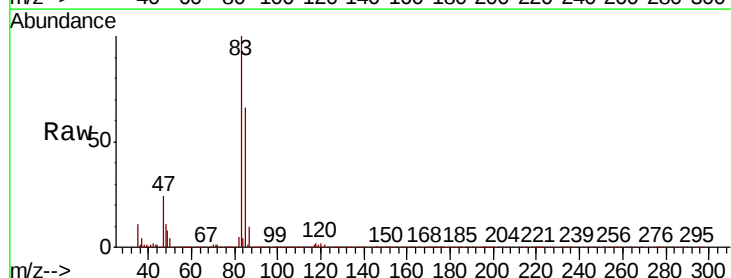
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

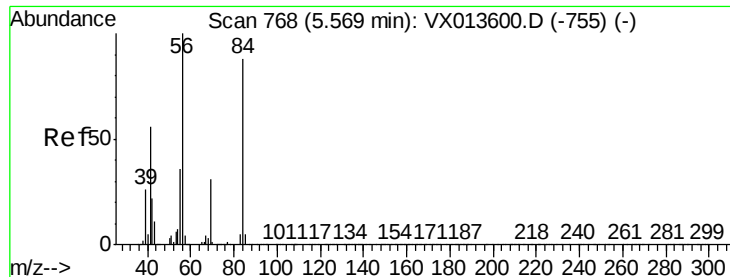
Tot Ion: 42 Resp: 744558
Ion Ratio Lower Upper
42 100
72 44.8 36.3 54.5
71 41.6 33.2 49.8



#30
Chloroform
Concen: 46.295 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 83 Resp: 494824
Ion Ratio Lower Upper
83 100
85 66.1 50.2 75.4

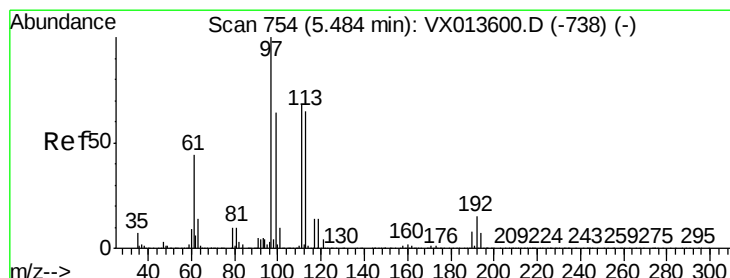
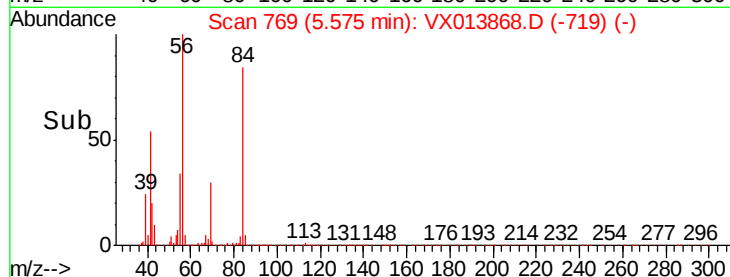
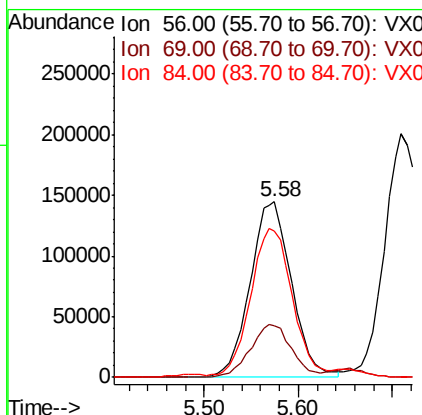
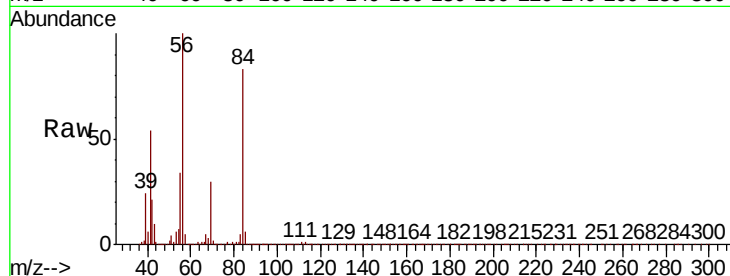




#31
Cyclohexane
Concen: 44.670 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

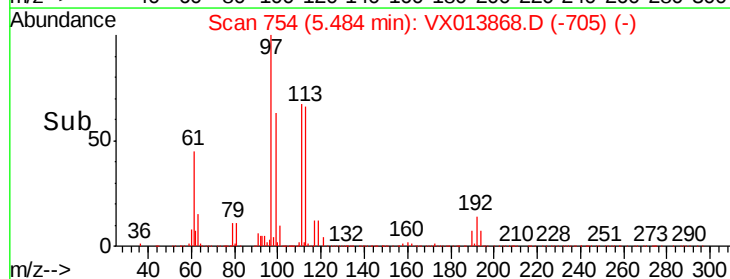
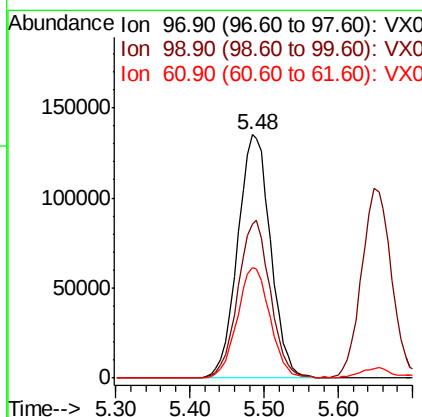
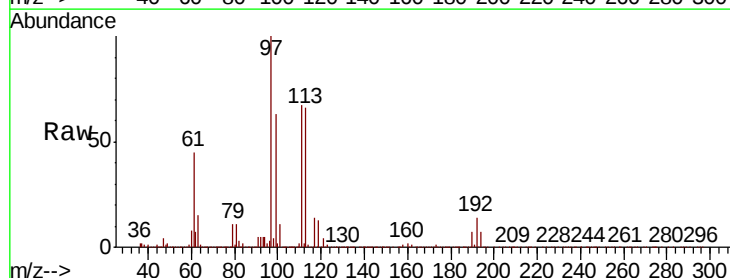
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

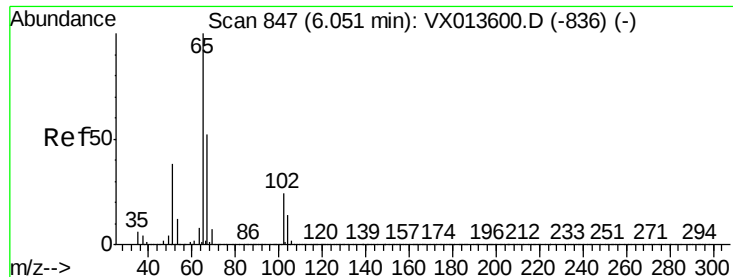
Tot Ion: 56 Resp: 444052
Ion Ratio Lower Upper
56 100
69 29.6 24.6 36.8
84 81.8 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 46.743 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 97 Resp: 417509
Ion Ratio Lower Upper
97 100
99 63.7 51.6 77.4
61 45.7 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 45.929 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

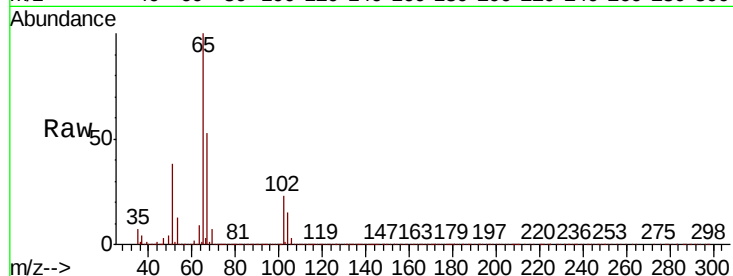
VSTDCCC050EC

Tot Ion: 65 Resp: 309081

Ion Ratio Lower Upper

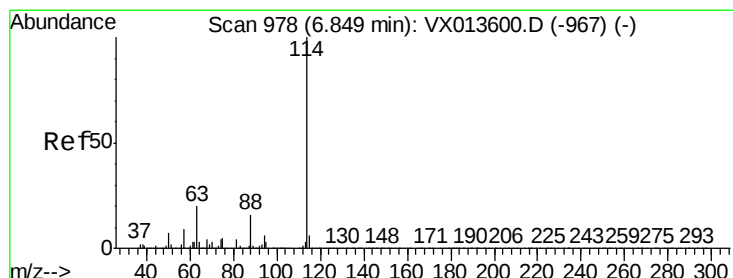
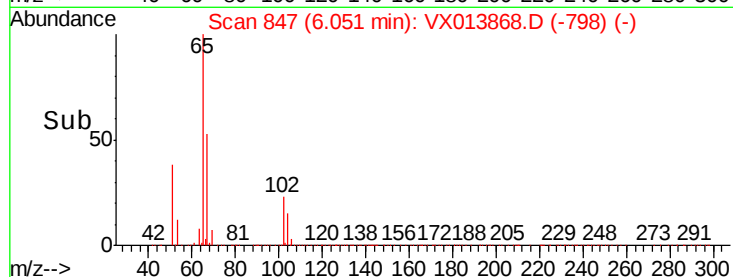
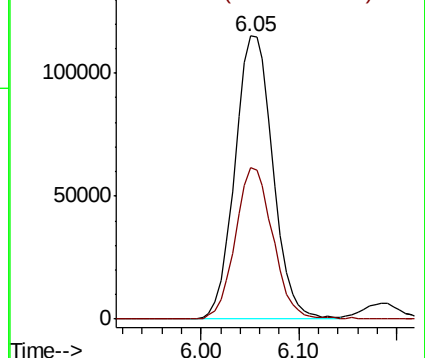
65 100

67 52.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

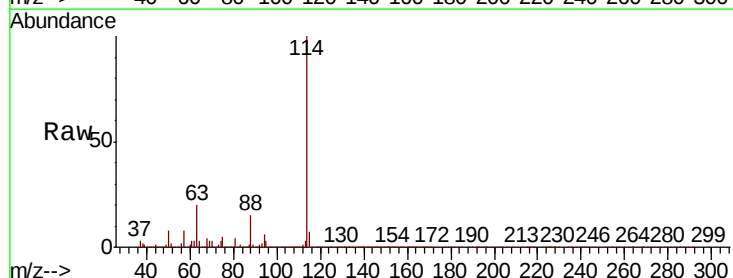
Tgt Ion: 114 Resp: 905928

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

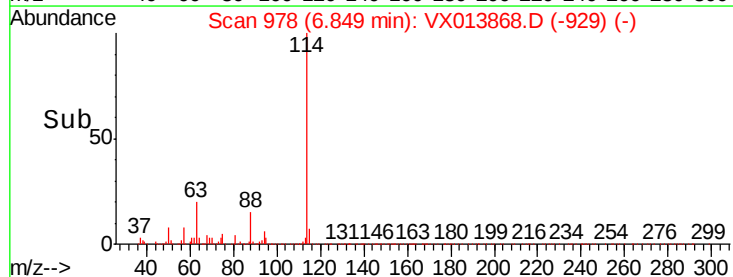
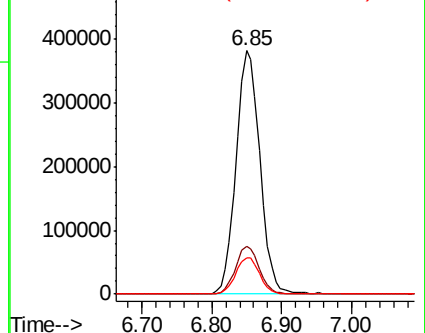
88 15.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

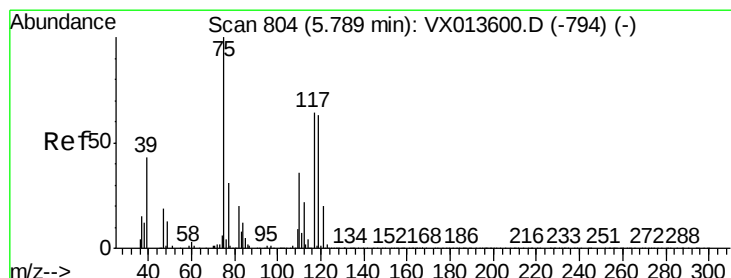
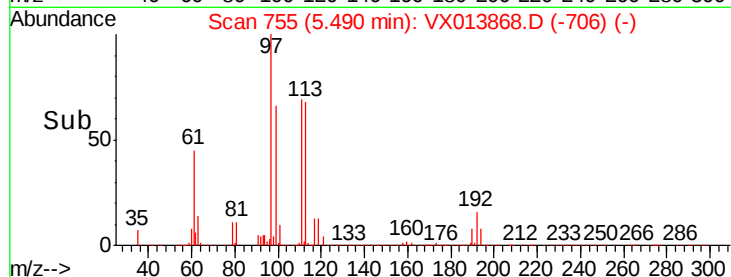
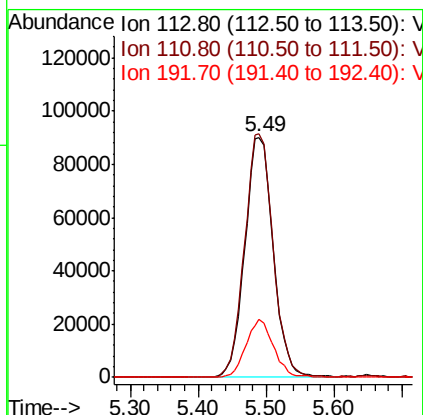
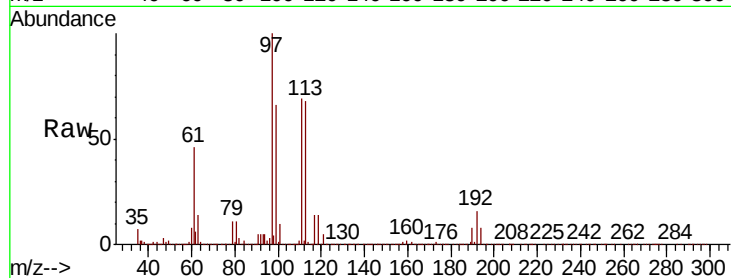




#35
Dibromofluoromethane
Concen: 46.865 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

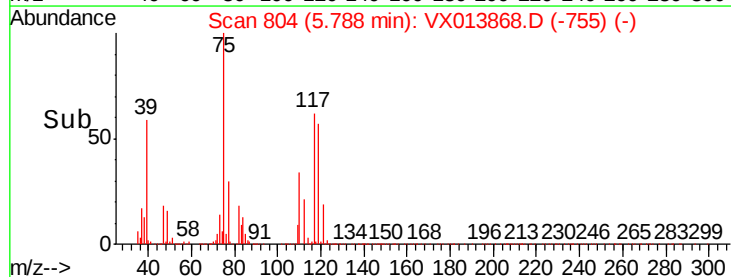
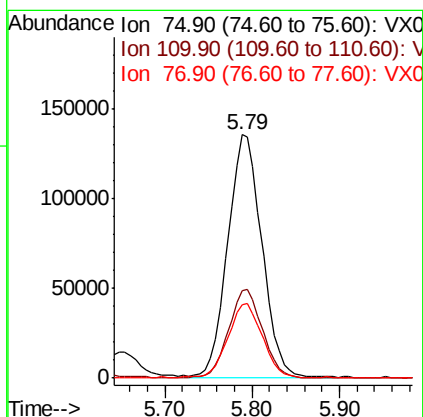
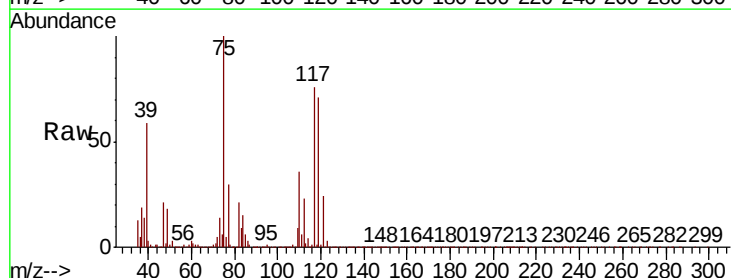
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

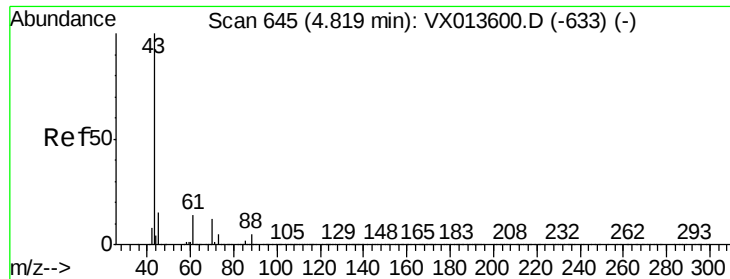
Tot Ion:113 Resp: 262471
Ion Ratio Lower Upper
113 100
111 101.4 83.6 125.4
192 23.4 19.2 28.8



#36
1,1-Dichloropropene
Concen: 44.481 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 75 Resp: 365796
Ion Ratio Lower Upper
75 100
110 36.2 18.1 54.1
77 30.3 24.5 36.7

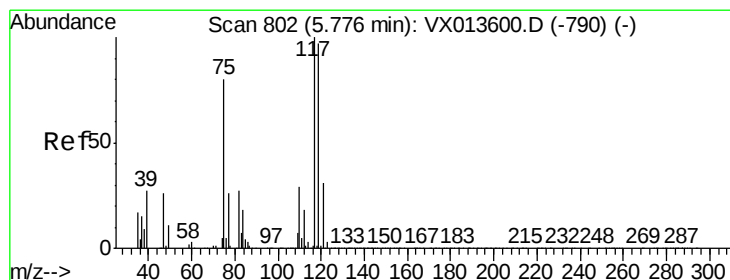
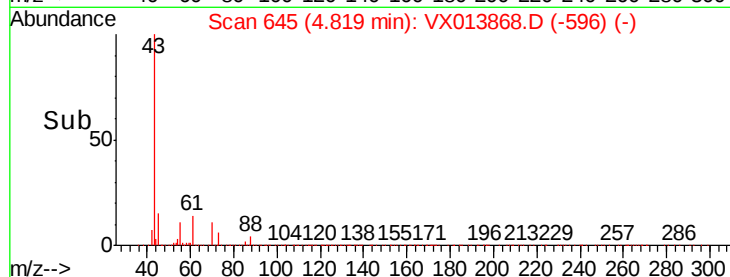
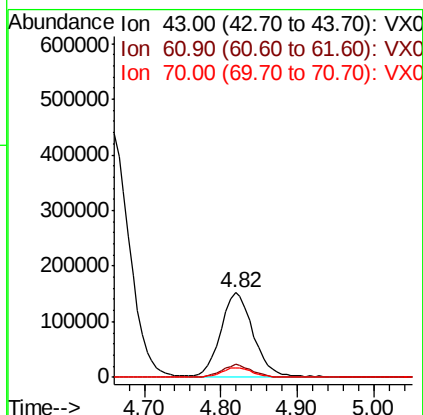
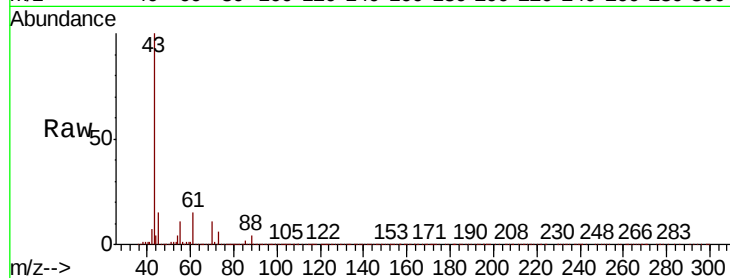




#37
Ethyl Acetate
Concen: 48.087 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

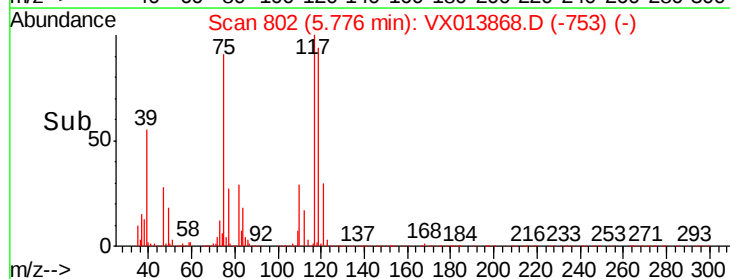
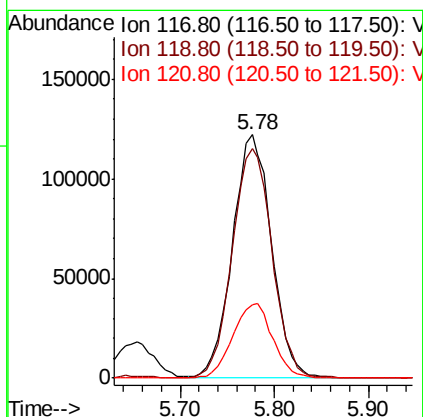
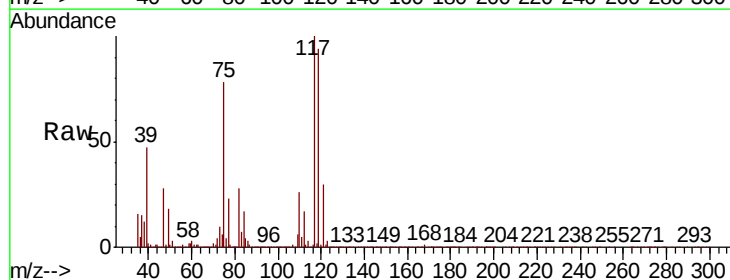
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

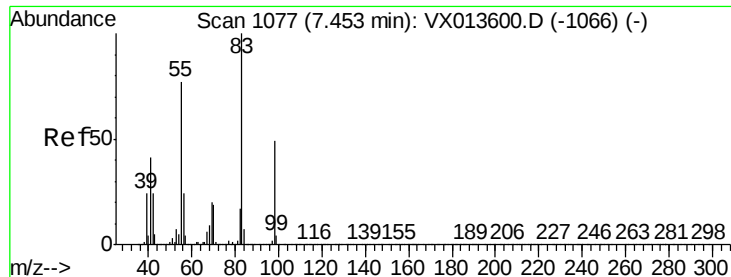
Tot Ion	43	Resp	443633
Ion Ratio	Lower	Upper	
43	100		
61	13.8	11.0	16.4
70	10.7	8.6	12.8



#38
Carbon Tetrachloride
Concen: 46.511 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion	117	Resp	352689
Ion Ratio	Lower	Upper	
117	100		
119	94.2	77.5	116.3
121	29.9	25.0	37.6

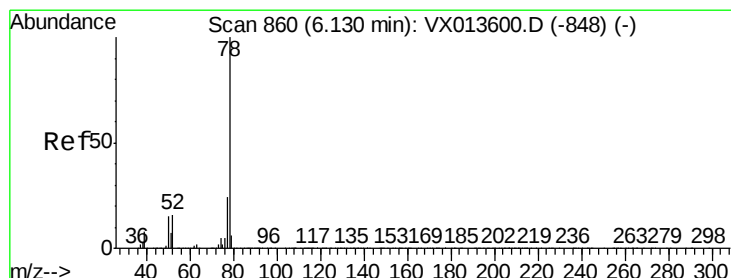
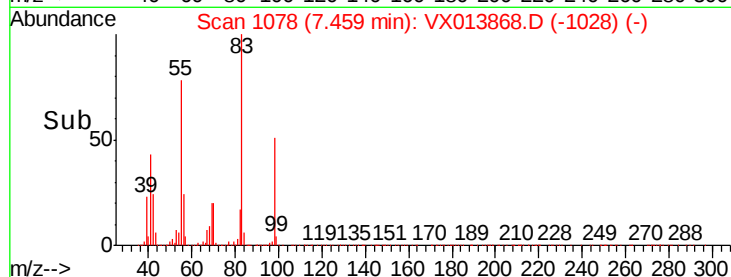
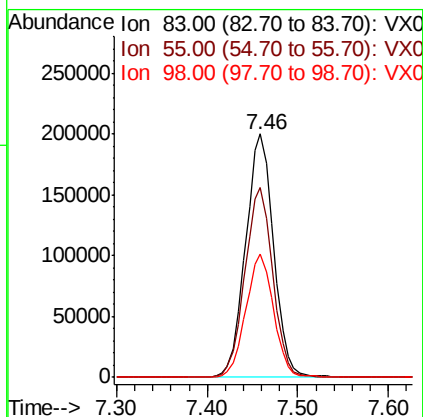
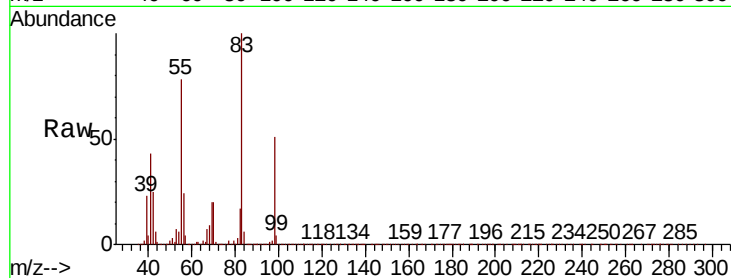




#39
Methvlcvclohexane
Concen: 42.164 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

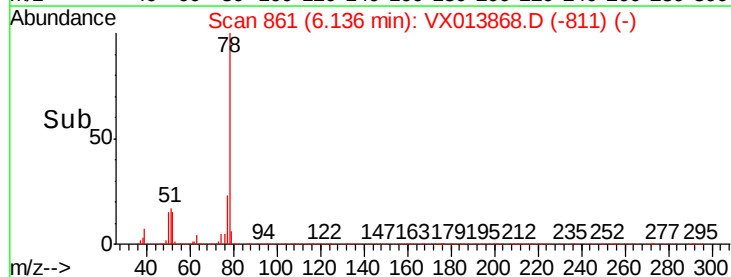
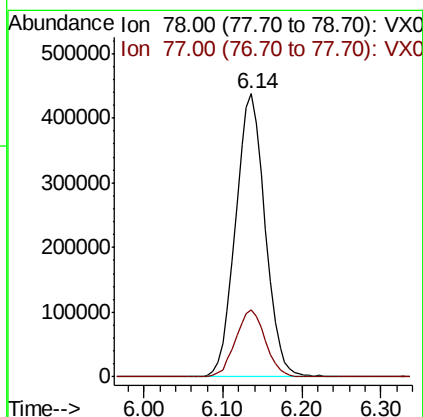
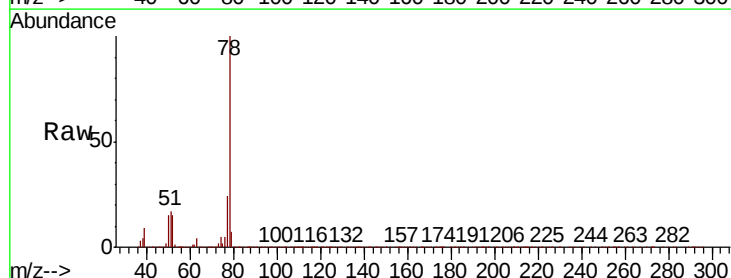
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

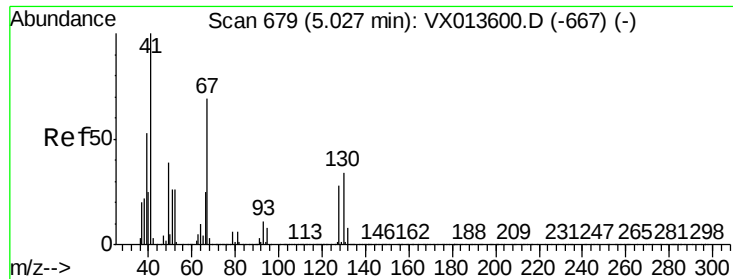
Tot Ion: 83 Resp: 428602
Ion Ratio Lower Upper
83 100
55 77.9 61.9 92.9
98 50.6 39.4 59.0



#40
Benzene
Concen: 45.441 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 78 Resp: 1138114
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4





#41

Methacrylonitrile

Concen: 49.047 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 248154

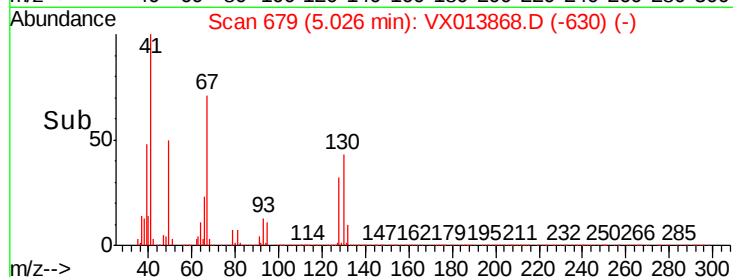
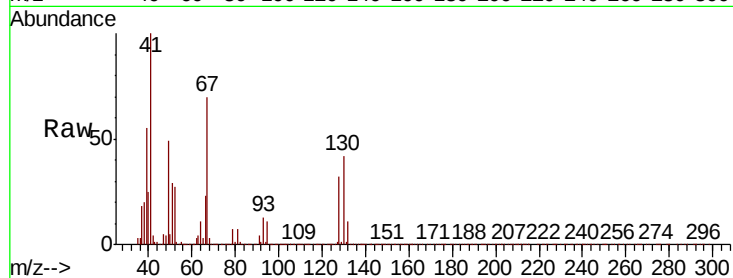
Ion Ratio Lower Upper

41 100

39 53.3 42.9 64.3

67 71.5 57.4 86.0

52 28.0 22.4 33.6

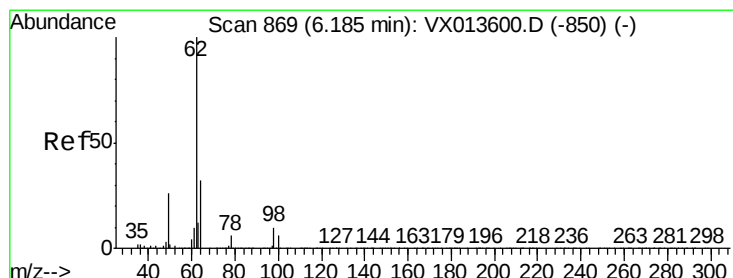
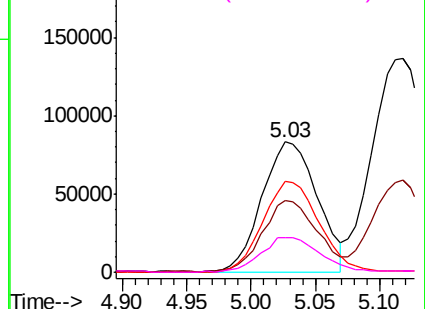


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 46.630 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX013868.D

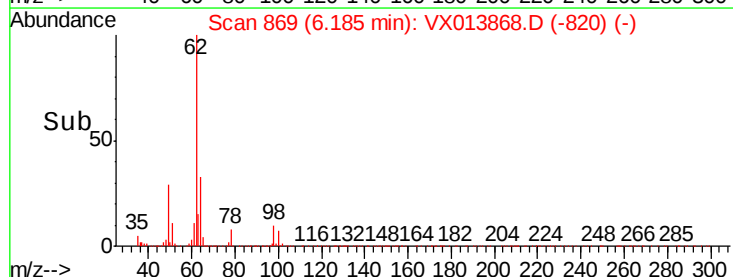
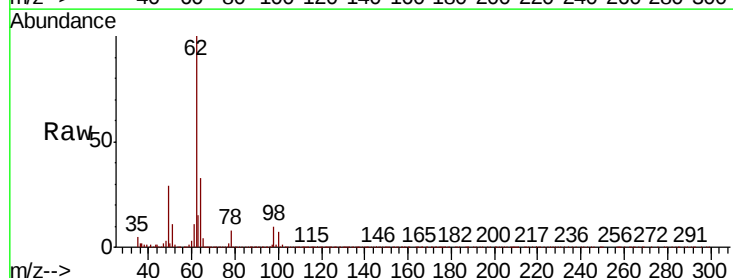
Acq: 09 Dec 2019 22:01

Tgt Ion: 62 Resp: 398300

Ion Ratio Lower Upper

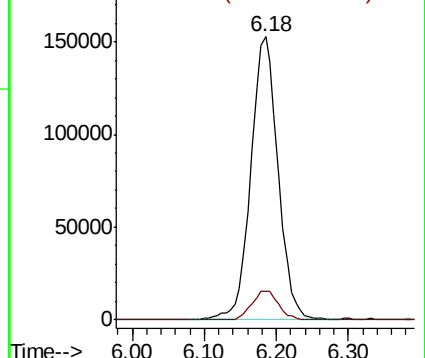
62 100

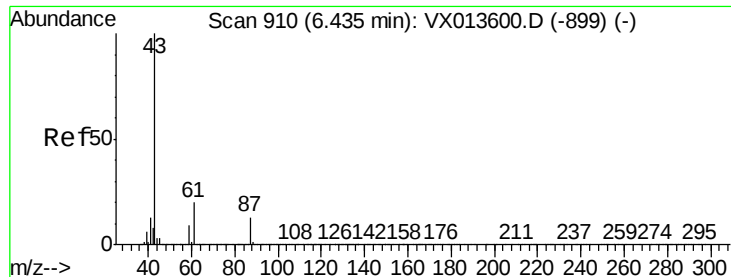
98 10.4 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 47.245 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

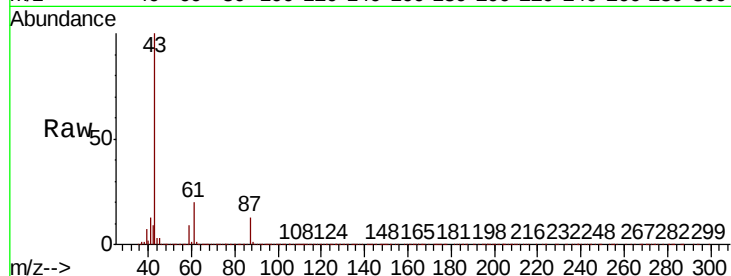
Tot Ion: 43 Resp: 717562

Ion Ratio Lower Upper

43 100

61 20.5 16.3 24.5

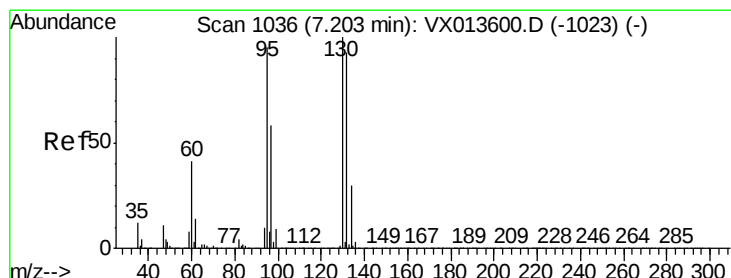
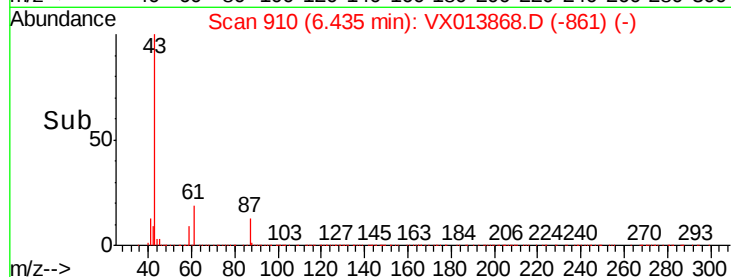
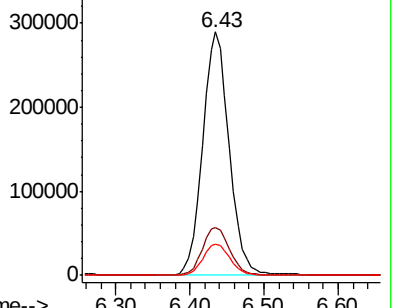
87 13.2 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 45.977 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013868.D

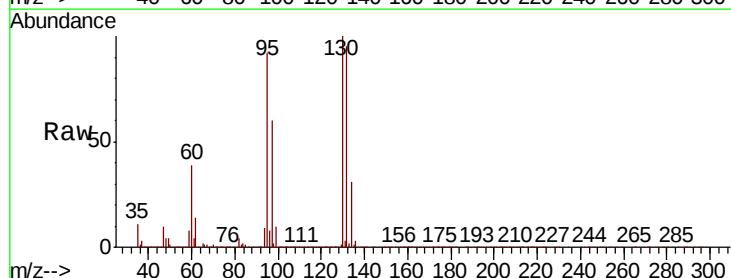
Acq: 09 Dec 2019 22:01

Tgt Ion:130 Resp: 316042

Ion Ratio Lower Upper

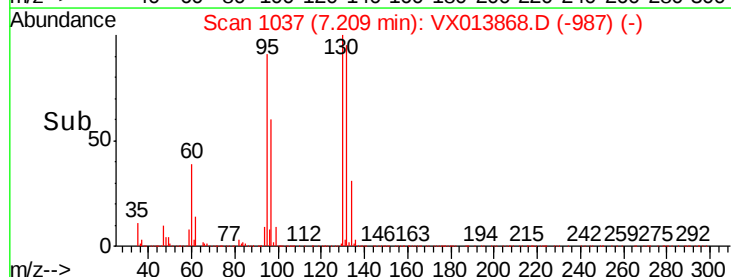
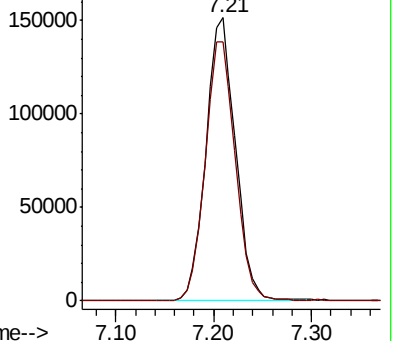
130 100

95 91.4 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

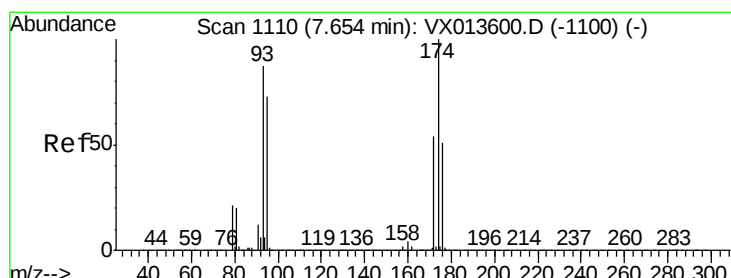
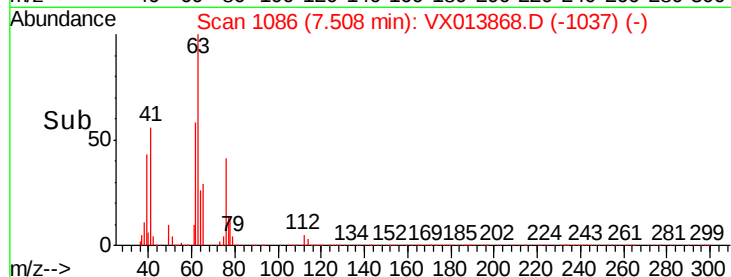
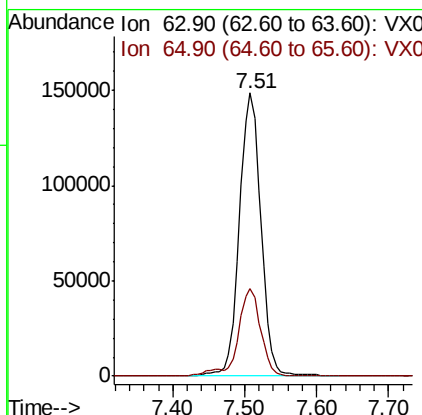
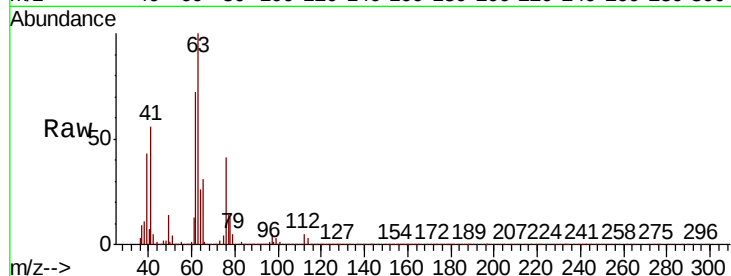




#45
 1,2-Dichloropropane
 Concen: 48.662 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013868.D
 Acq: 09 Dec 2019 22:01

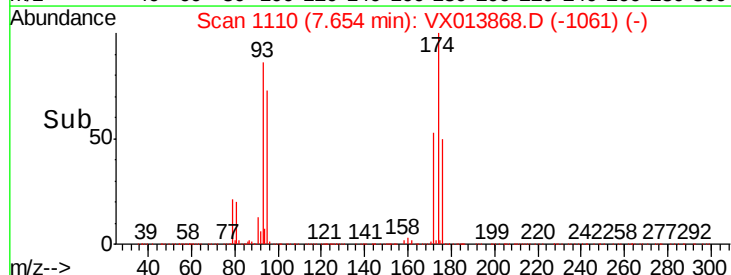
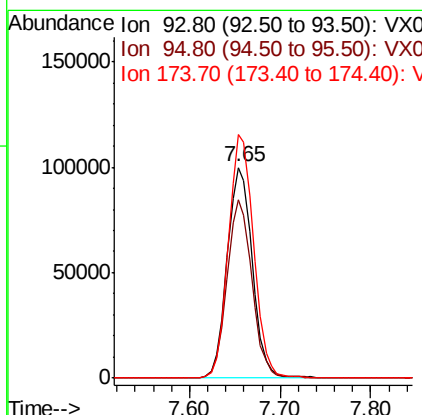
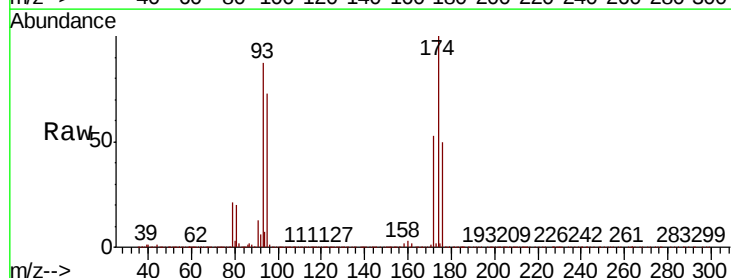
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

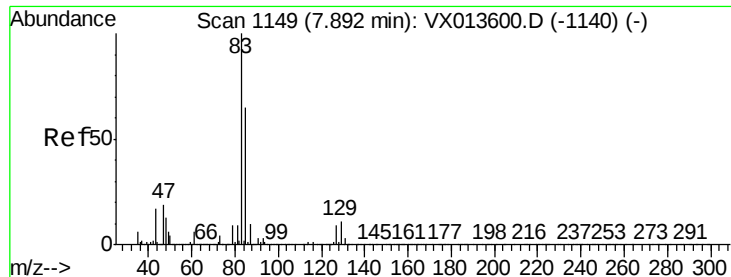
Tot Ion: 63 Resp: 304938
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.5 38.3



#46
 Dibromomethane
 Concen: 45.012 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013868.D
 Acq: 09 Dec 2019 22:01

Tgt Ion: 93 Resp: 191574
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.2 99.2
 174 116.6 93.4 140.0





#47

Bromodichloromethane

Concen: 48.233 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

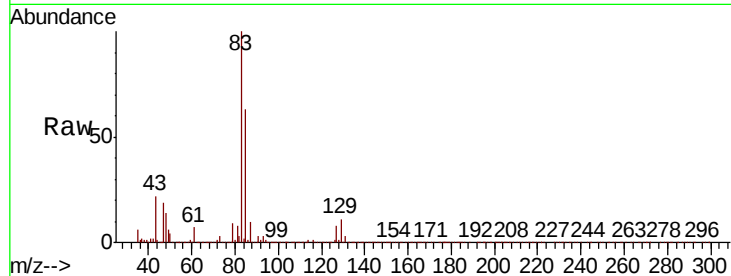
Tot Ion: 83 Resp: 388075

Ion Ratio Lower Upper

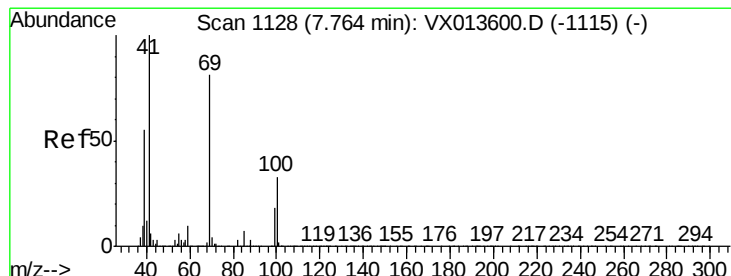
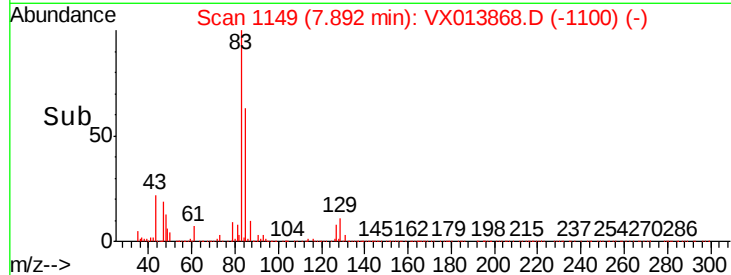
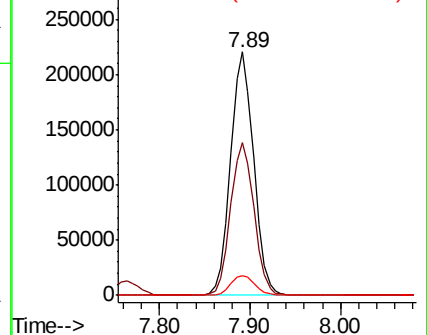
83 100

85 62.9 52.1 78.1

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: 48.015 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

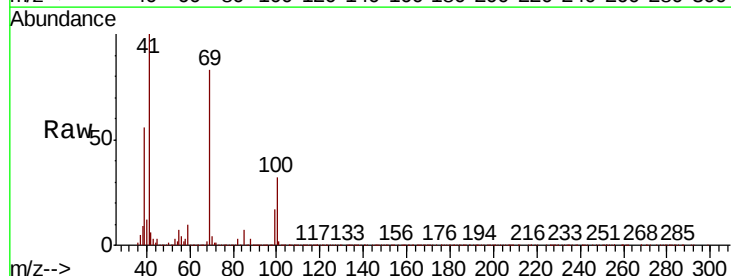
Tgt Ion: 41 Resp: 354333

Ion Ratio Lower Upper

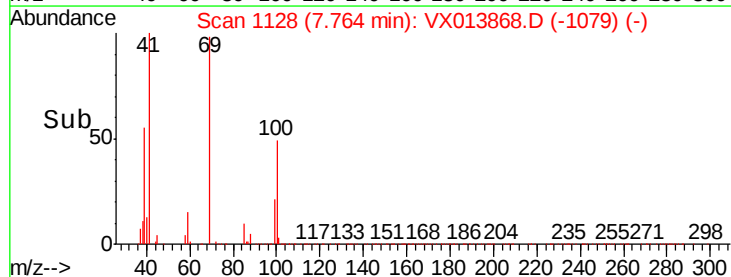
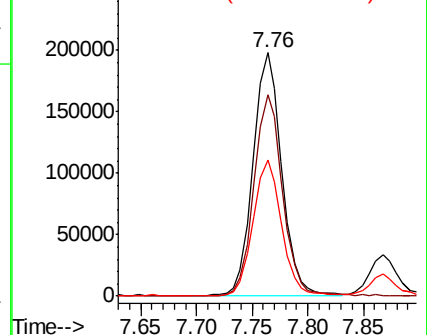
41 100

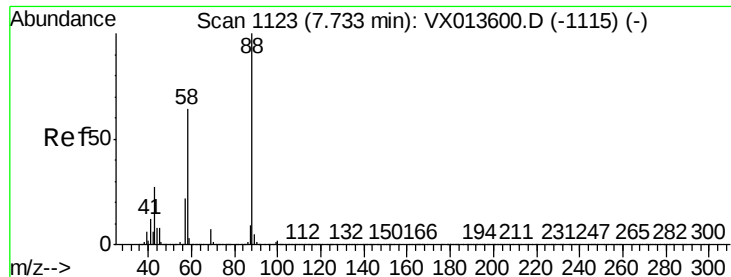
69 82.6 64.7 97.1

39 55.6 43.8 65.6



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: 817.436 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

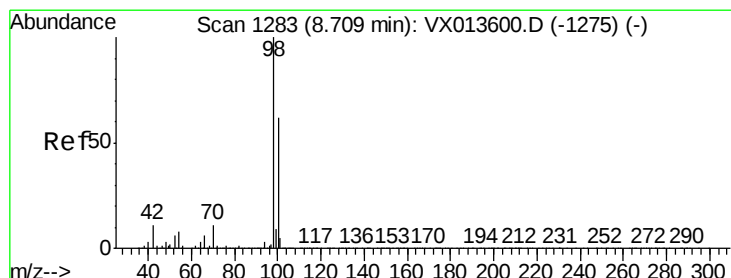
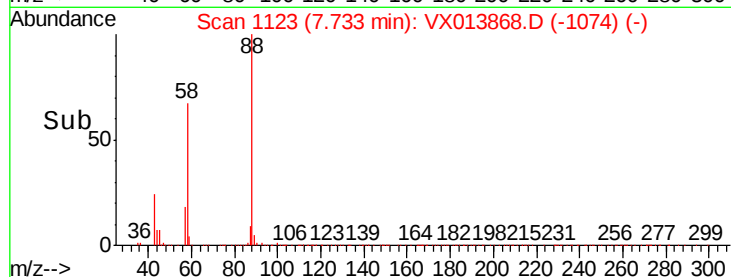
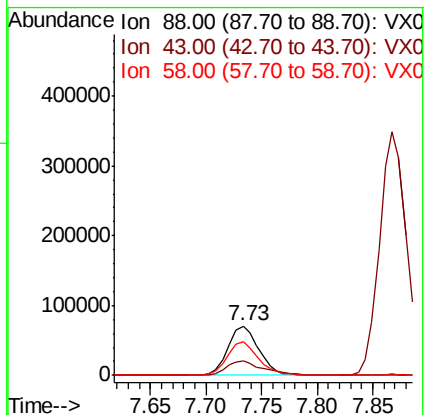
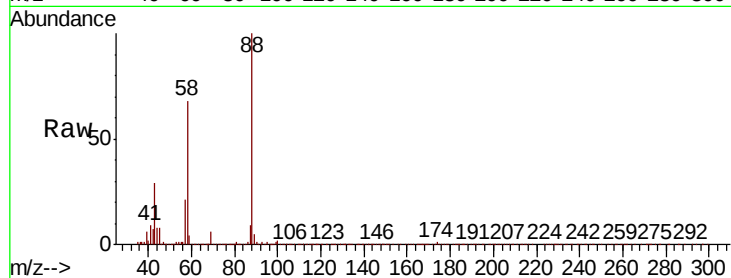
Tot Ion: 88 Resp: 135027

Ion Ratio Lower Upper

88 100

43 33.2 25.8 38.6

58 68.9 54.6 82.0



#50

Toluene-d8

Concen: 45.142 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013868.D

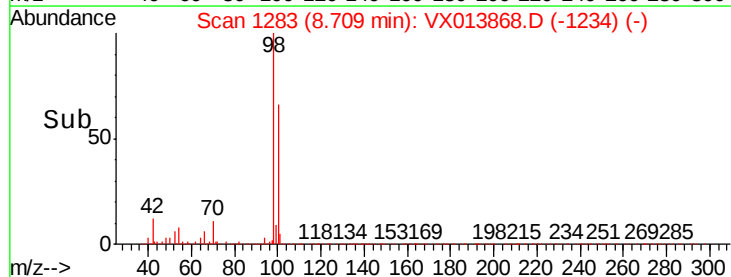
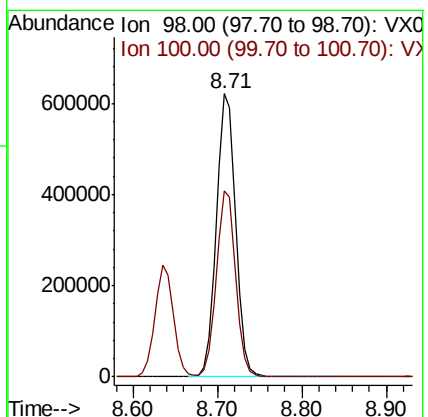
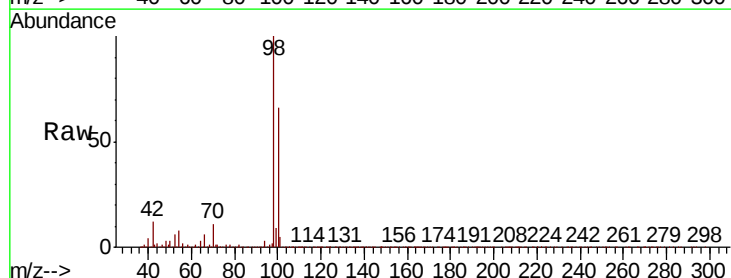
Acq: 09 Dec 2019 22:01

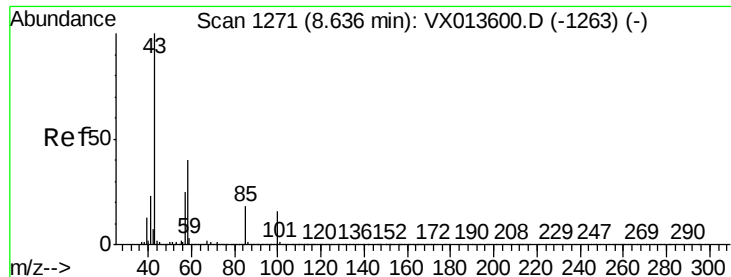
Tgt Ion: 98 Resp: 985027

Ion Ratio Lower Upper

98 100

100 65.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 240.610 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

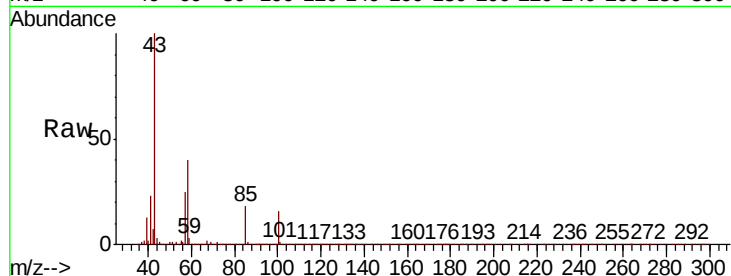
VSTDCCC050EC

Tot Ion: 43 Resp: 2298725

Ion Ratio Lower Upper

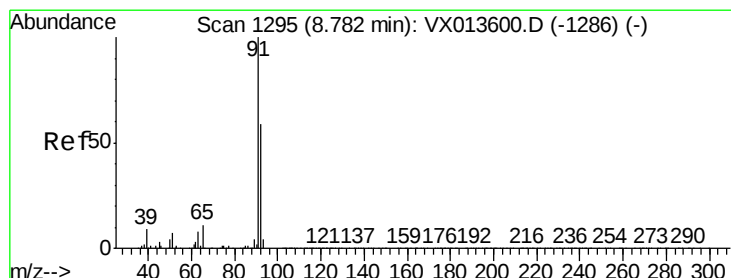
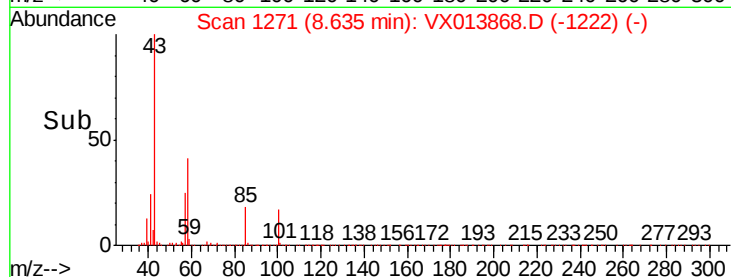
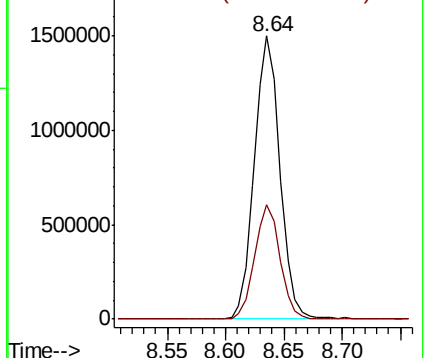
43 100

58 40.1 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.020 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013868.D

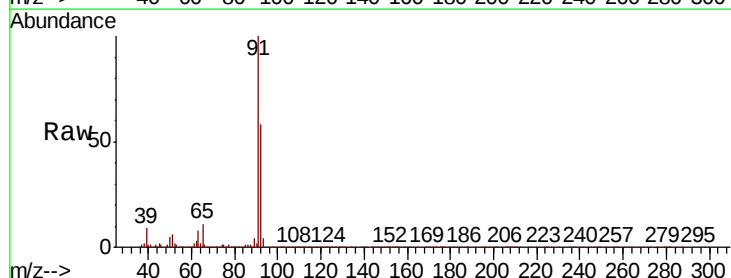
Acq: 09 Dec 2019 22:01

Tgt Ion: 92 Resp: 716062

Ion Ratio Lower Upper

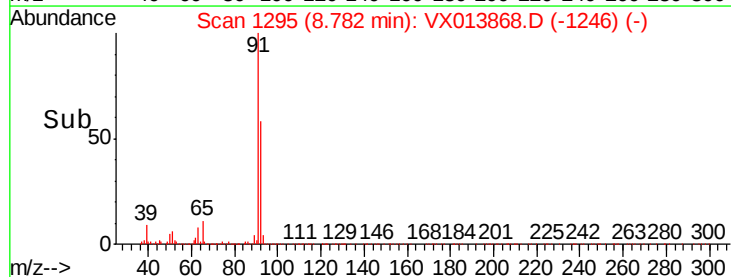
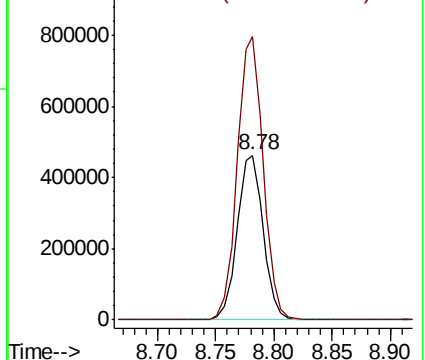
92 100

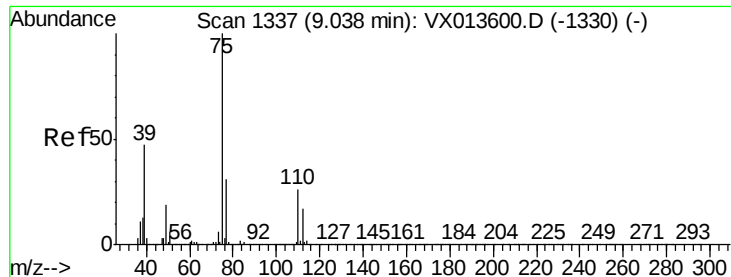
91 172.6 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

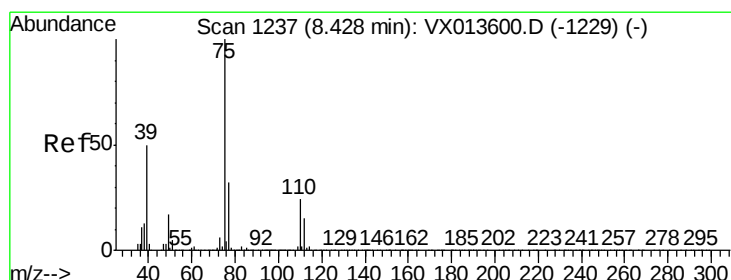
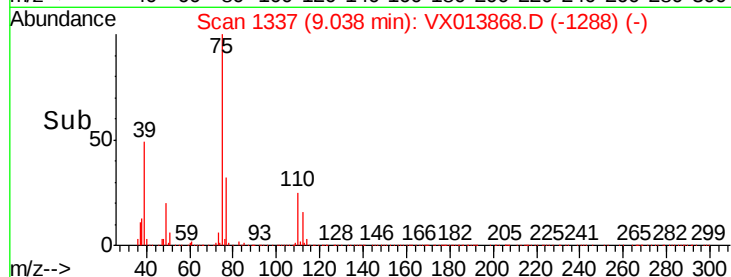
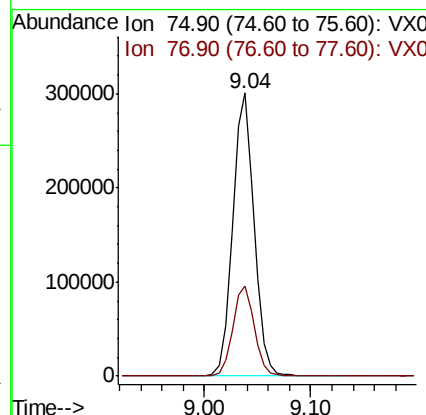
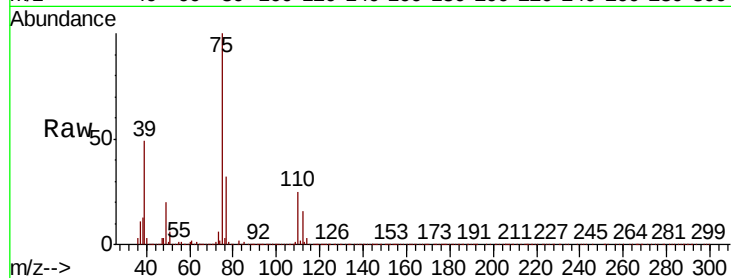




#53
t-1,3-Dichloropropene
Concen: 46.235 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

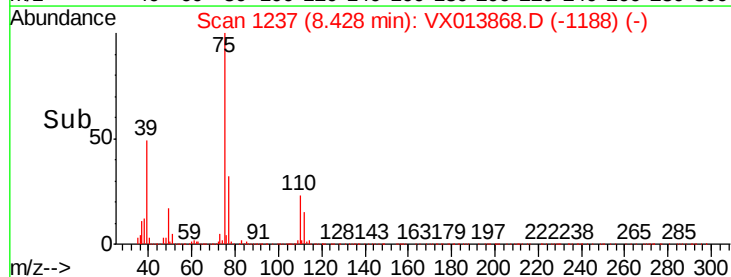
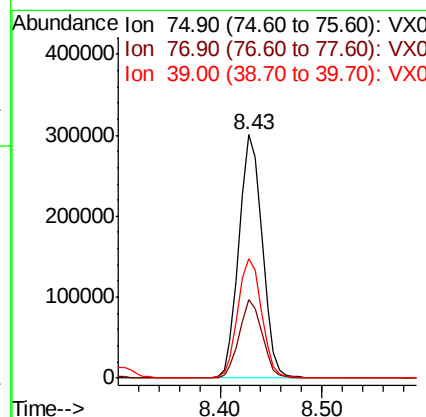
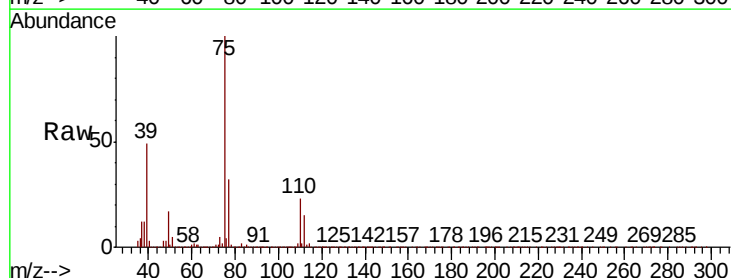
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

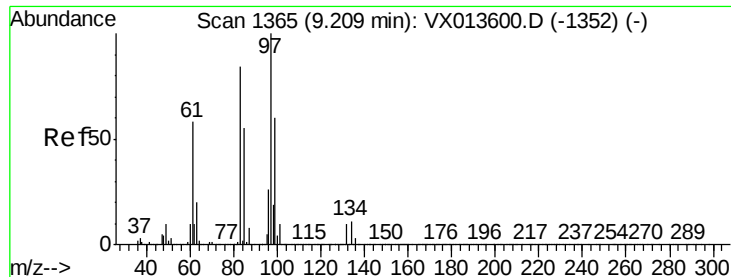
Tot Ion: 75 Resp: 423426
Ion Ratio Lower Upper
75 100
77 31.6 24.4 36.6



#54
cis-1,3-Dichloropropene
Concen: 47.392 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 75 Resp: 474180
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6
39 48.8 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 47.656 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 298818

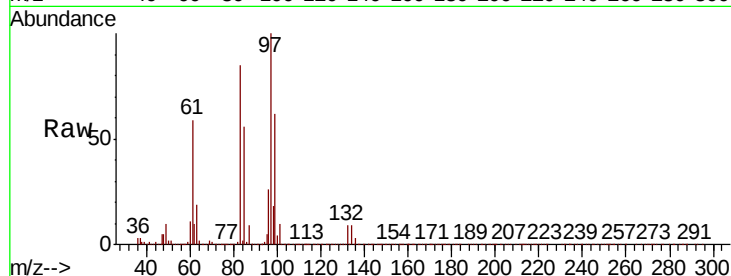
Ion Ratio Lower Upper

97 100

83 85.0 67.3 100.9

85 55.9 43.6 65.4

99 62.3 48.2 72.4

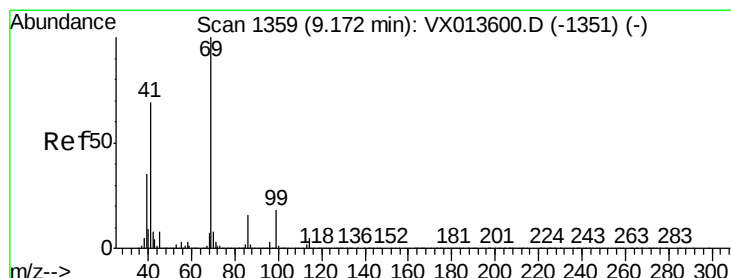
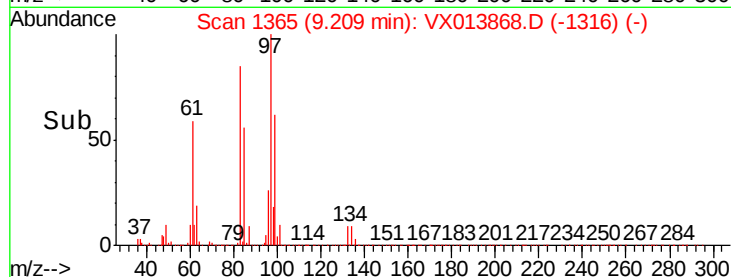
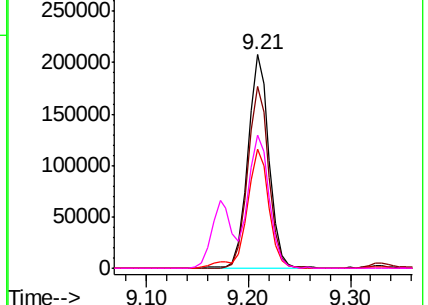


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 48.217 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

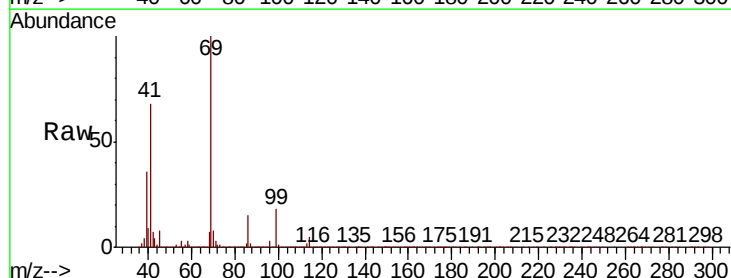
Tgt Ion: 69 Resp: 486075

Ion Ratio Lower Upper

69 100

41 68.6 55.0 82.4

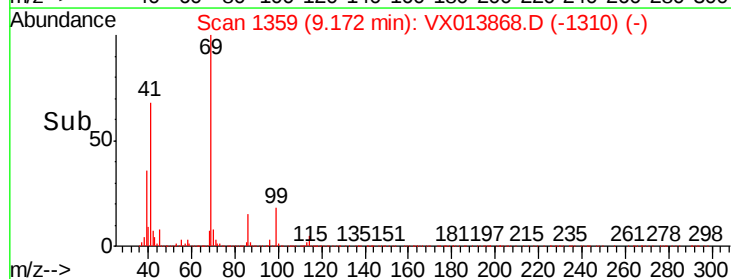
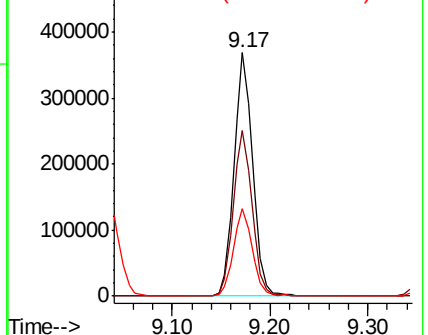
39 35.8 28.7 43.1

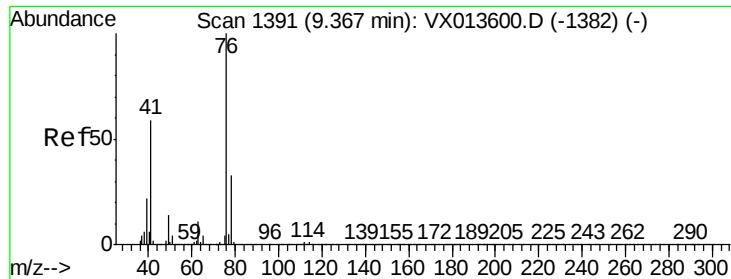


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

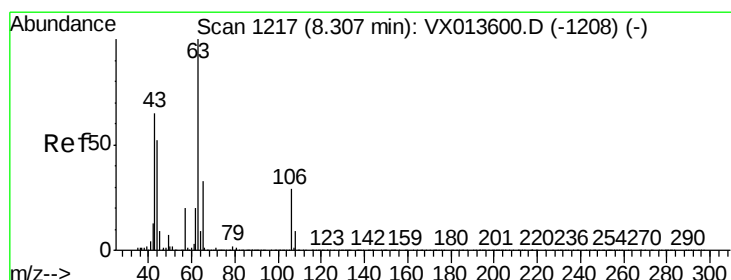
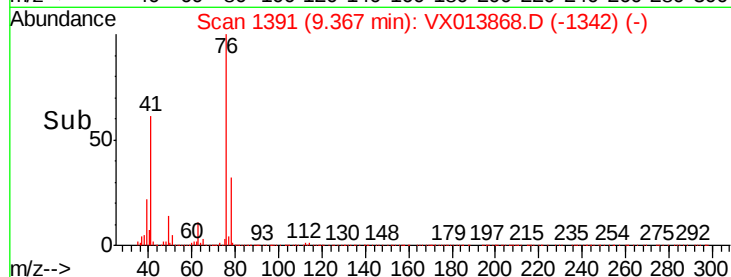
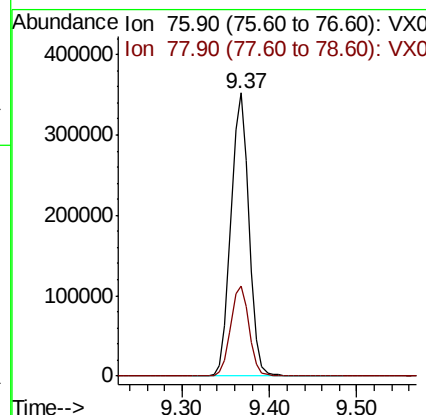
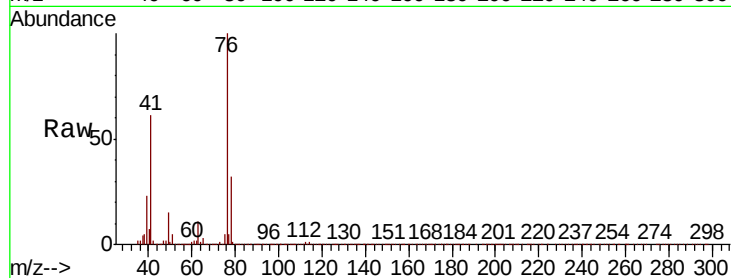




#57
 1,3-Dichloropropane
 Concen: 46.513 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013868.D
 Acq: 09 Dec 2019 22:01

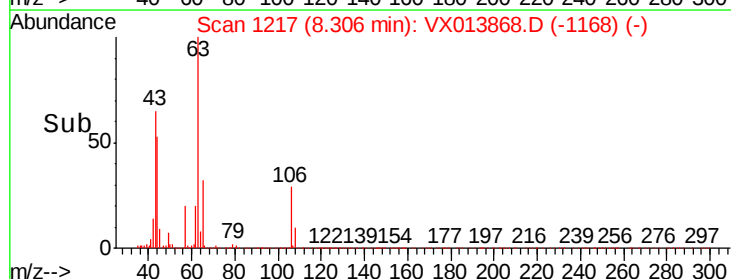
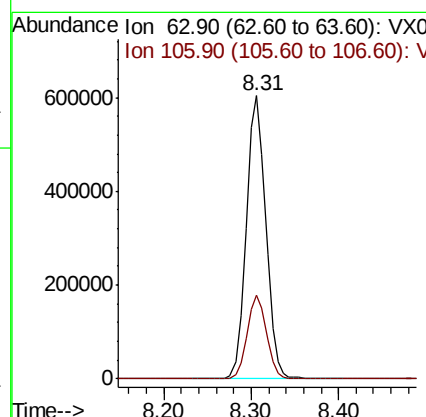
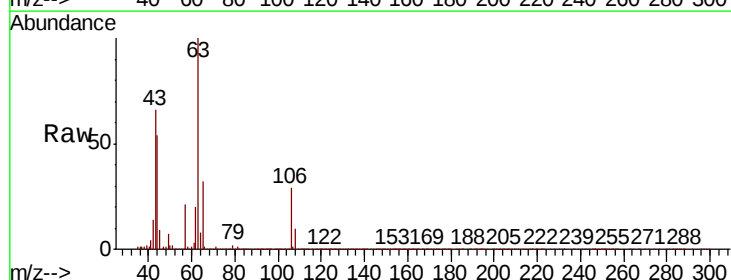
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 502703
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.377 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013868.D
 Acq: 09 Dec 2019 22:01

Tgt Ion: 63 Resp: 934281
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.4 35.0

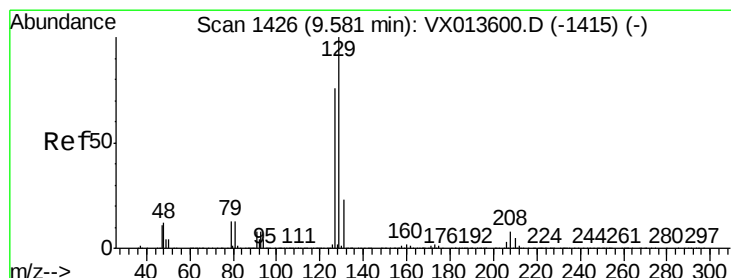
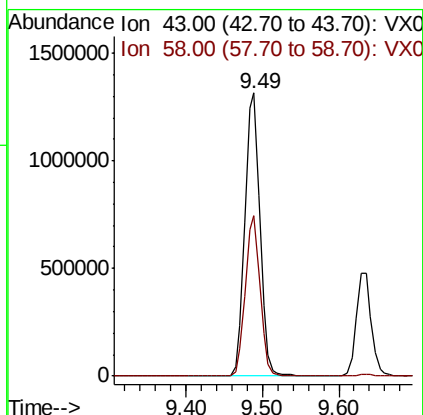
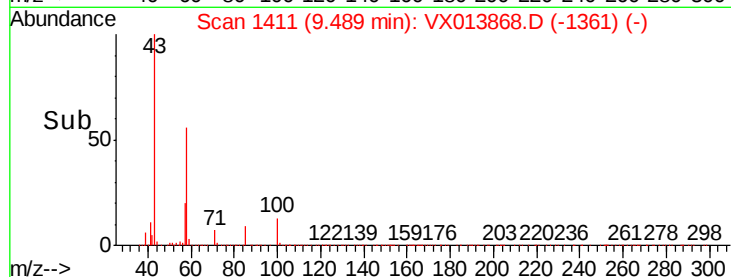
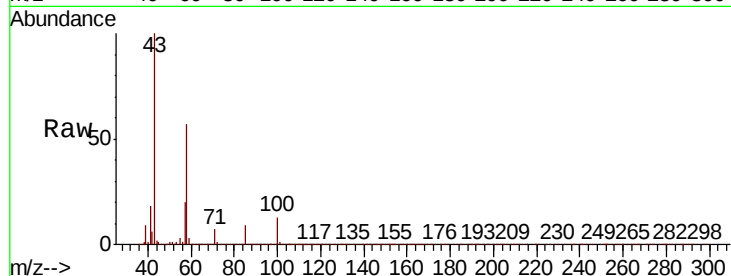




#59
2-Hexanone
Concen: 240.896 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

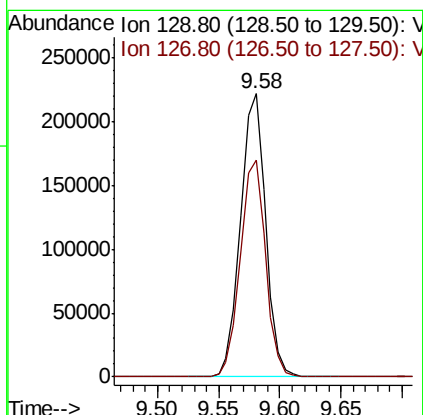
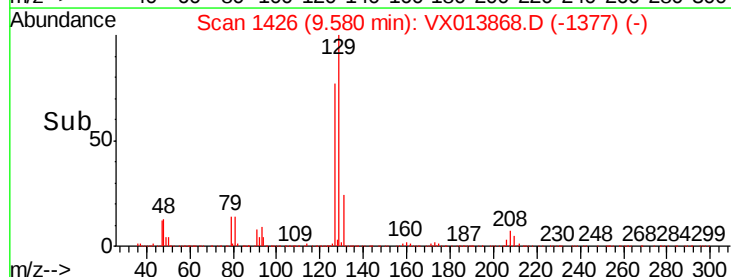
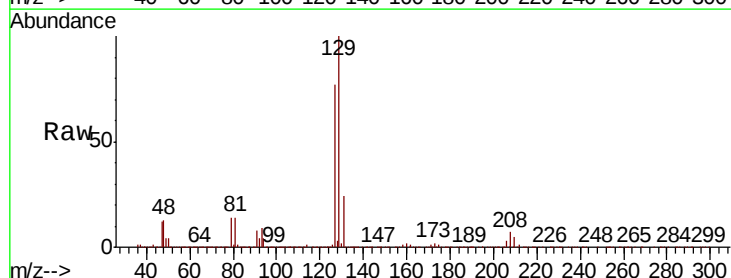
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

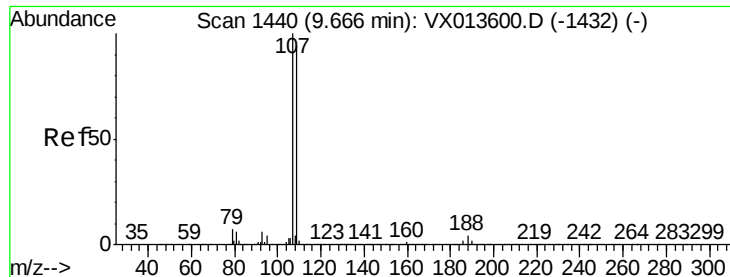
Tot Ion: 43 Resp: 1794966
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.4



#60
Dibromochloromethane
Concen: 48.435 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 129 Resp: 315177
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 46.677 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

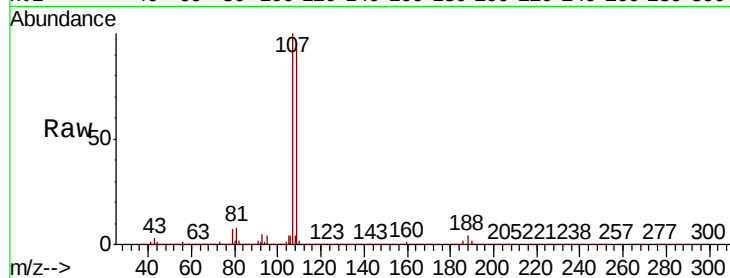
VSTDCCC050EC

Tot Ion:107 Resp: 312589

Ion Ratio Lower Upper

107 100

109 94.0 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

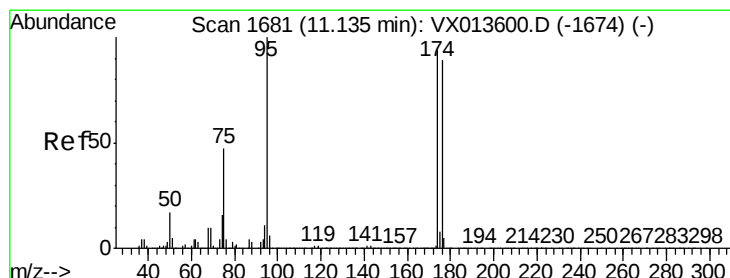
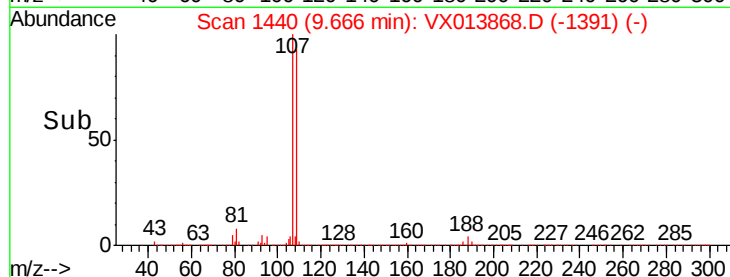
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.104 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

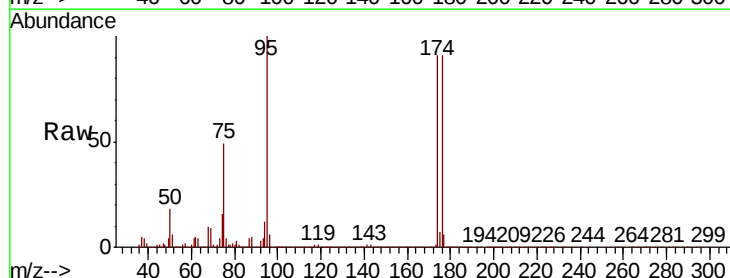
Tgt Ion: 95 Resp: 354900

Ion Ratio Lower Upper

95 100

174 88.9 0.0 180.0

176 86.6 0.0 173.6



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

11.14

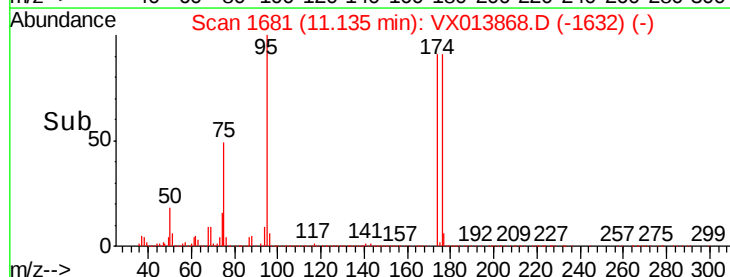
300000

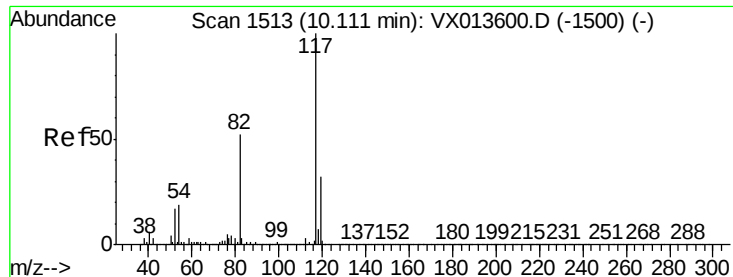
200000

100000

0

Time-->

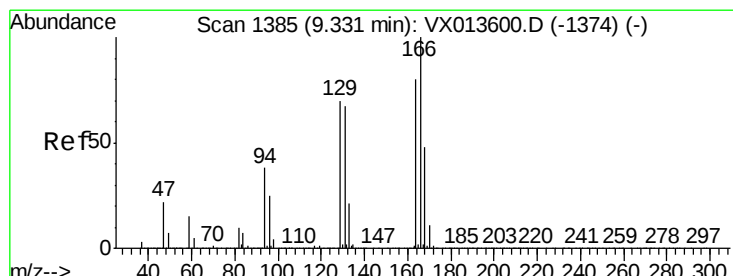
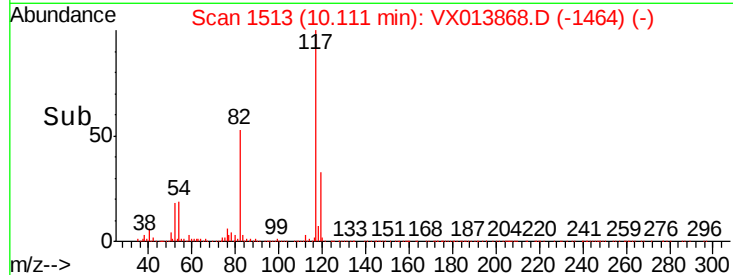
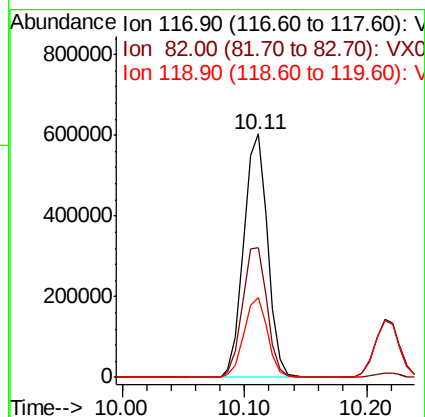
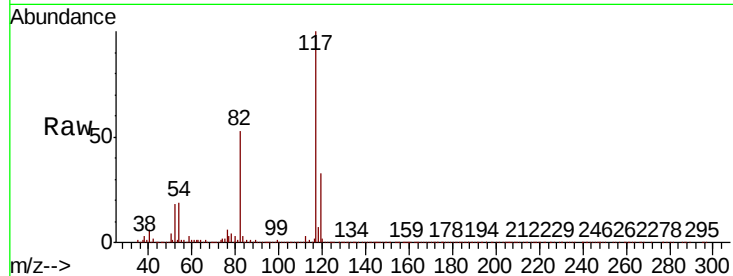




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

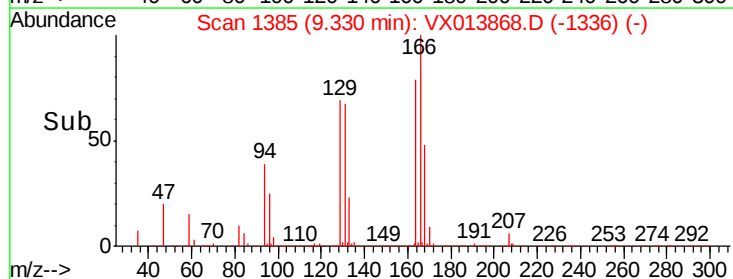
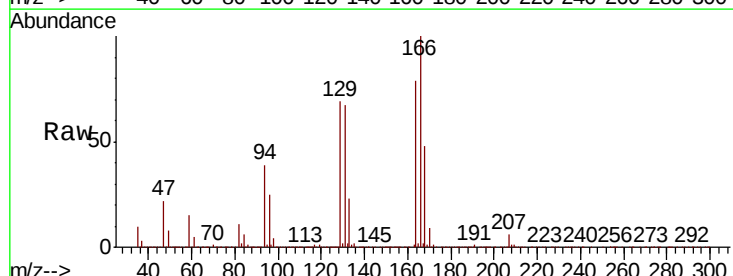
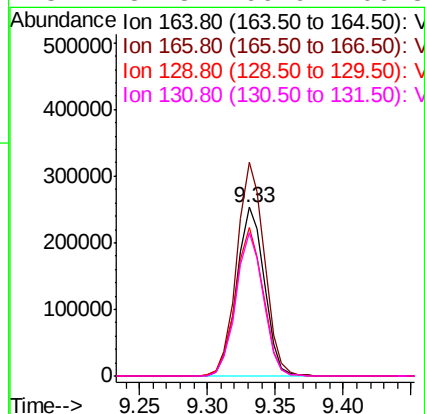
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

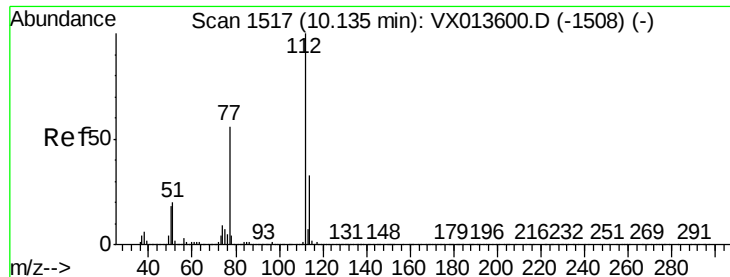
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.8	62.8
119	32.9	25.8	38.8



#64
Tetrachloroethene
Concen: 58.987 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	99.7	149.5
129	87.8	70.1	105.1
131	84.8	66.9	100.3





#65

Chlorobenzene

Concen: 45.875 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

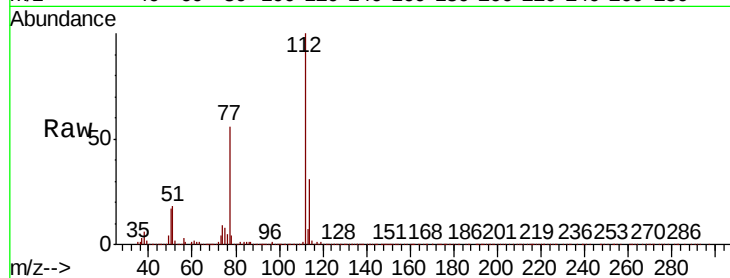
VSTDCCC050EC

Tot Ion:112 Resp: 776381

Ion Ratio Lower Upper

112 100

114 31.5 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

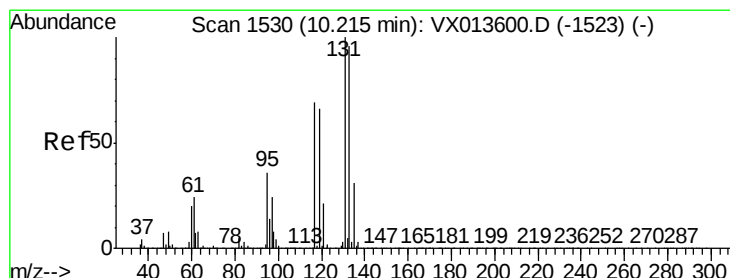
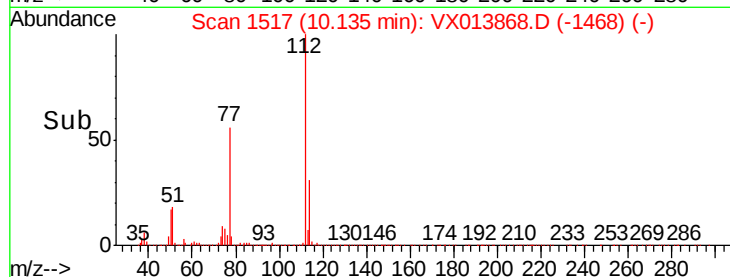
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 47.552 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

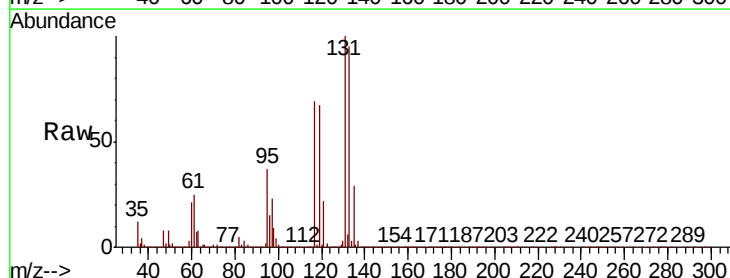
Tgt Ion:131 Resp: 288985

Ion Ratio Lower Upper

131 100

133 96.4 47.7 143.1

119 67.4 32.9 98.6



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

10.21

250000

200000

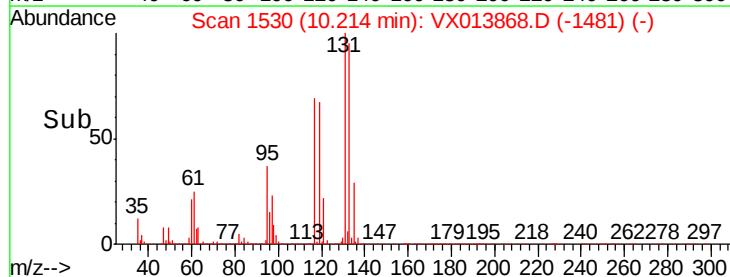
150000

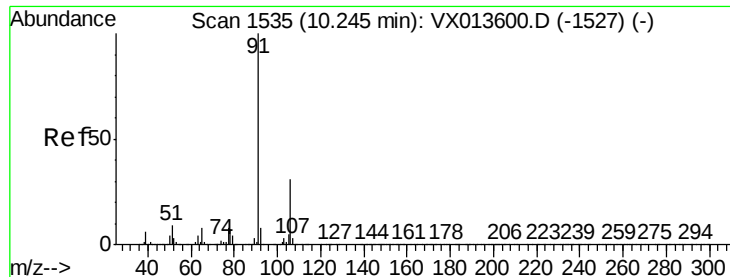
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 46.757 ug/l

RT: 10.24 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

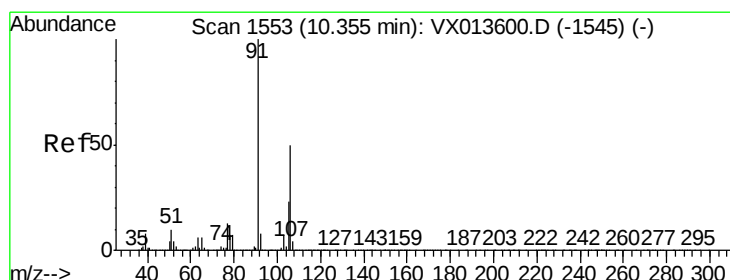
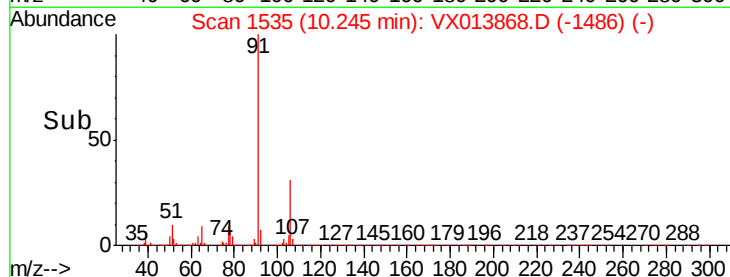
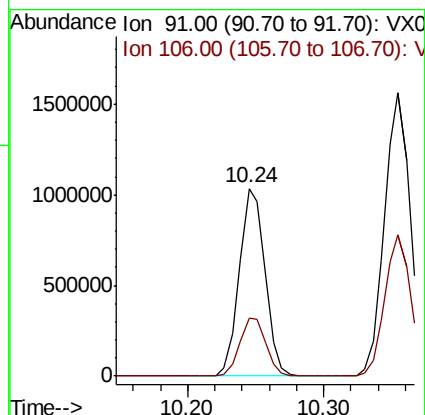
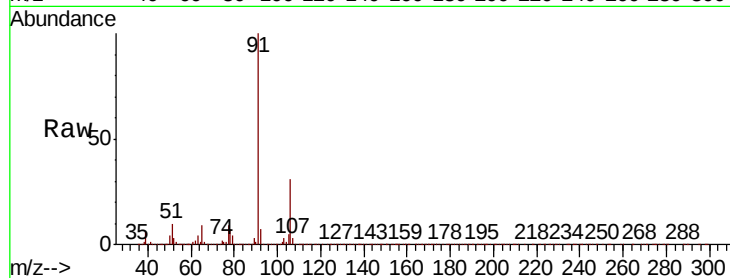
VSTDCCC050EC

Tot Ion: 91 Resp: 1359770

Ion Ratio Lower Upper

91 100

106 31.2 24.5 36.7



#68

m/p-Xylenes

Concen: 92.751 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013868.D

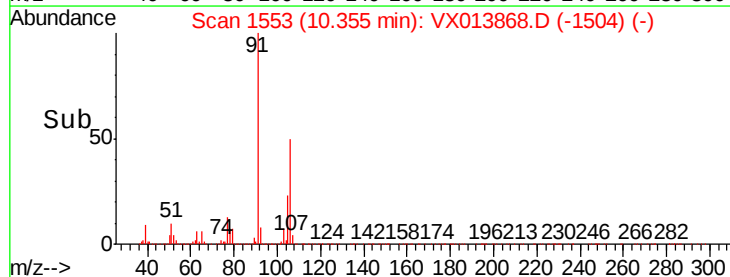
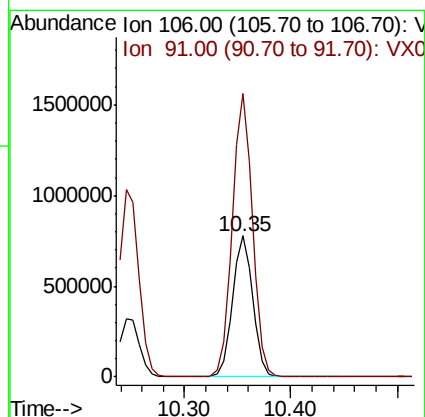
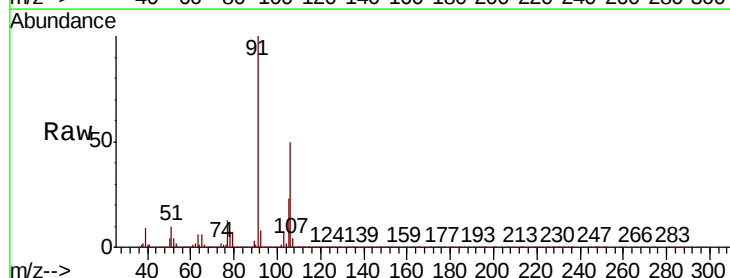
Acq: 09 Dec 2019 22:01

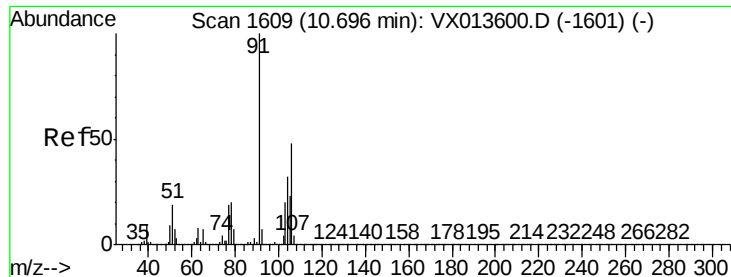
Tgt Ion: 106 Resp: 1032704

Ion Ratio Lower Upper

106 100

91 200.8 159.0 238.4

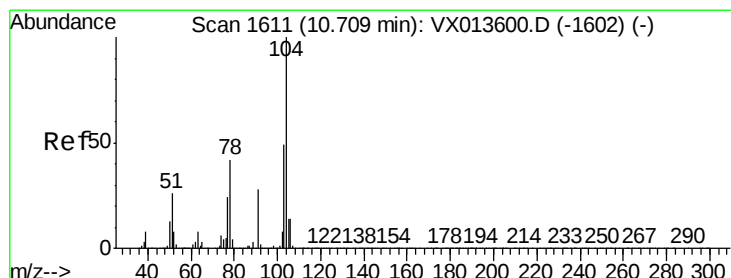
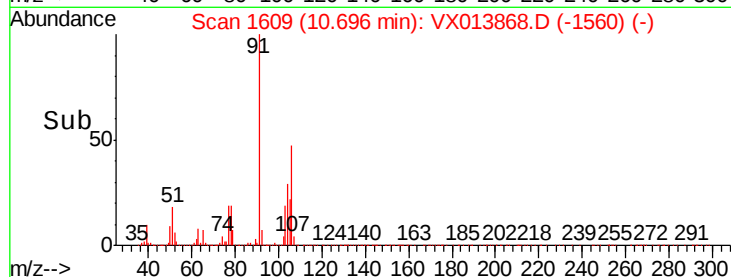
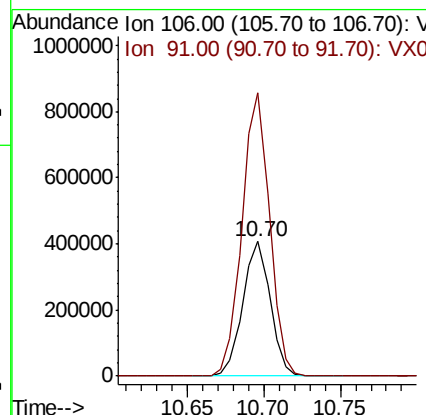
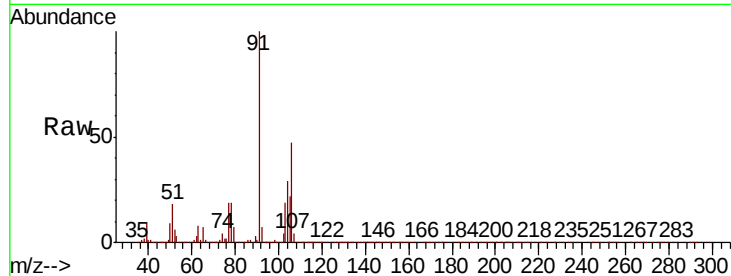




#69
o-Xylene
Concen: 46.698 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

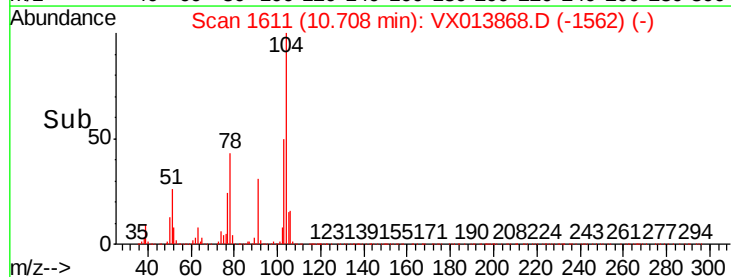
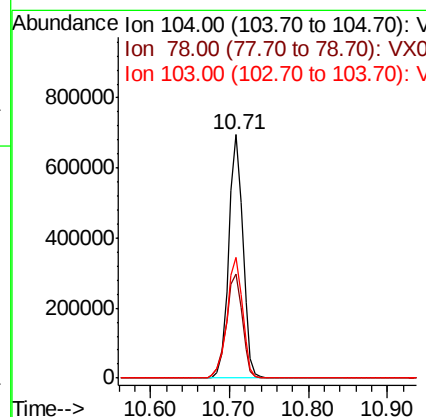
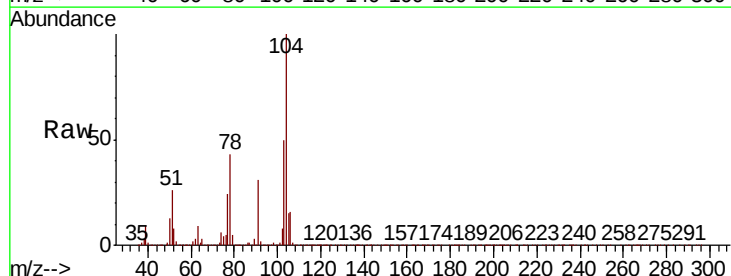
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

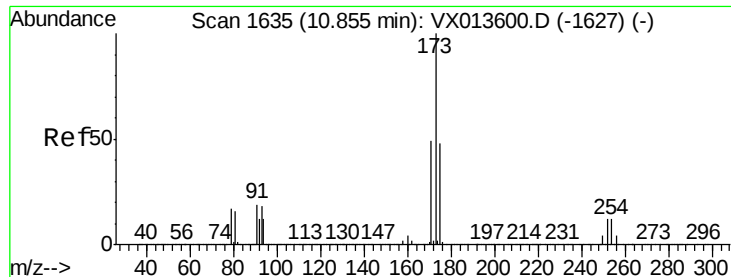
Tot Ion:106 Resp: 507099
Ion Ratio Lower Upper
106 100
91 211.1 104.1 312.2



#70
Styrene
Concen: 47.360 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion:104 Resp: 865129
Ion Ratio Lower Upper
104 100
78 48.7 38.5 57.7
103 54.7 43.7 65.5





#71

Bromoform

Concen: 48.942 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

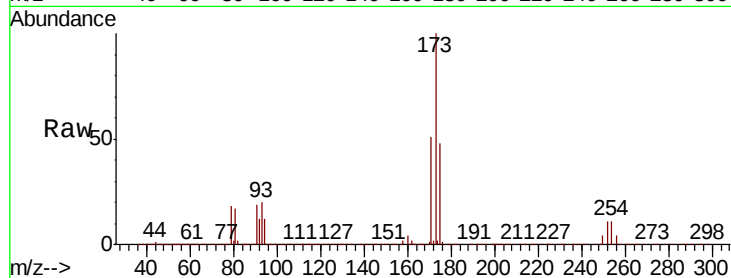
Tot Ion:173 Resp: 246100

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.8

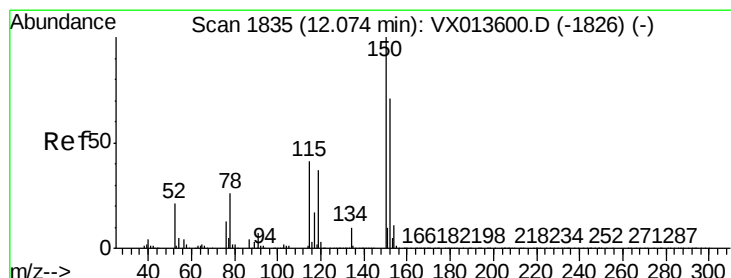
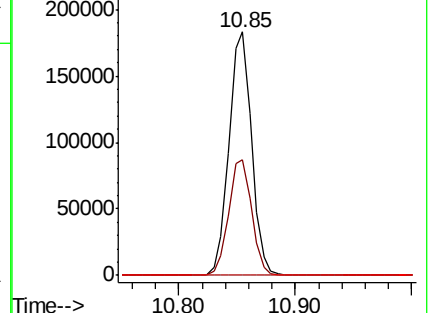
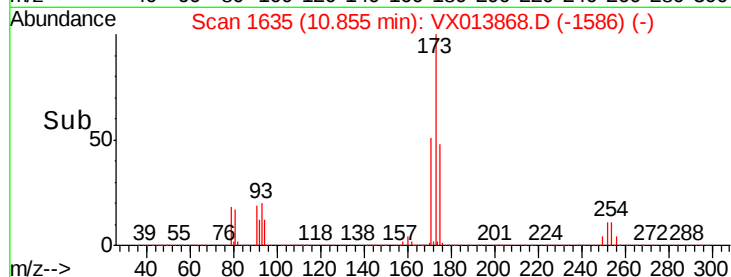
254 0.3 0.2 0.4



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

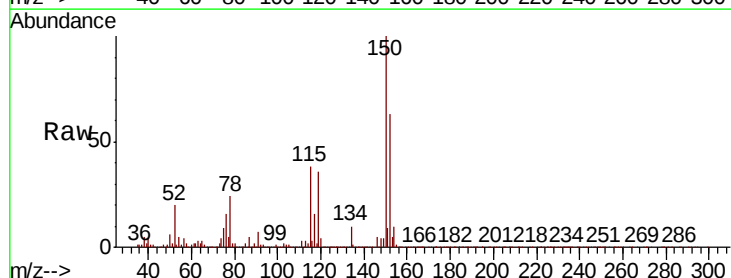
Tgt Ion:152 Resp: 400110

Ion Ratio Lower Upper

152 100

115 77.2 38.4 115.1

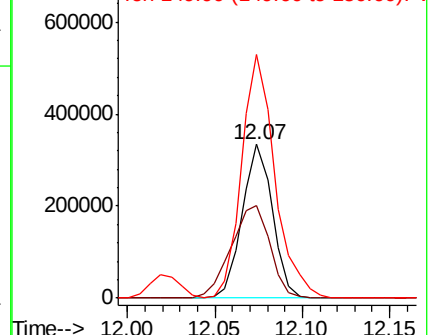
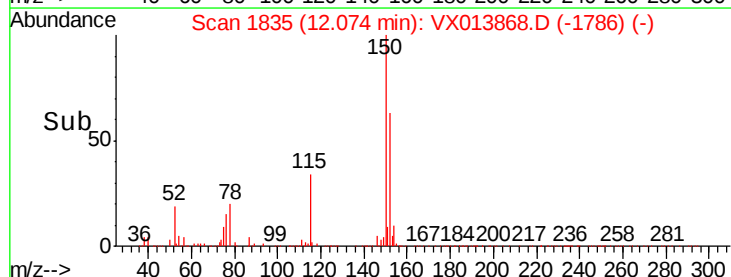
150 174.3 0.0 346.8

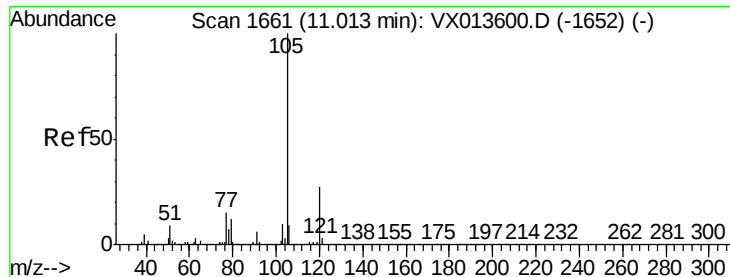


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.715 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

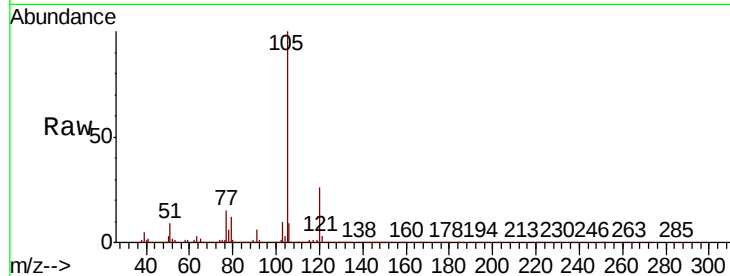
VSTDCCC050EC

Tot Ion:105 Resp: 1339170

Ion Ratio Lower Upper

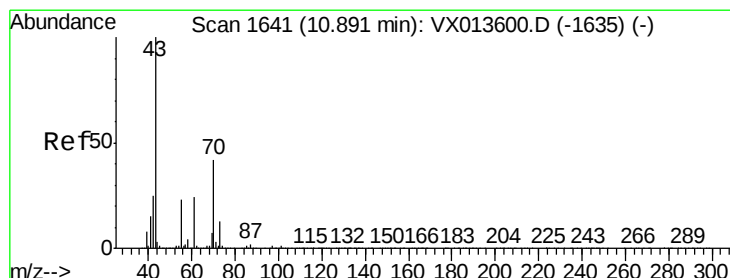
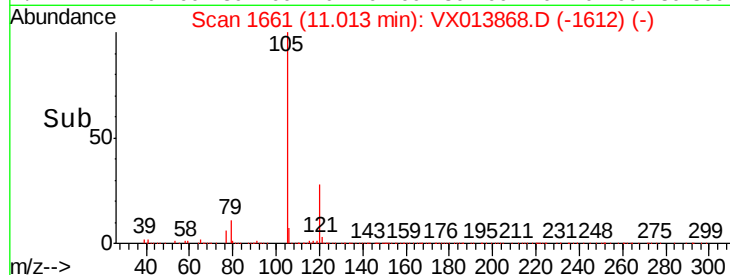
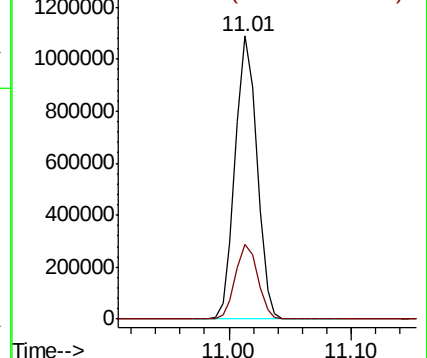
105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.099 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Tgt Ion: 43 Resp: 631252

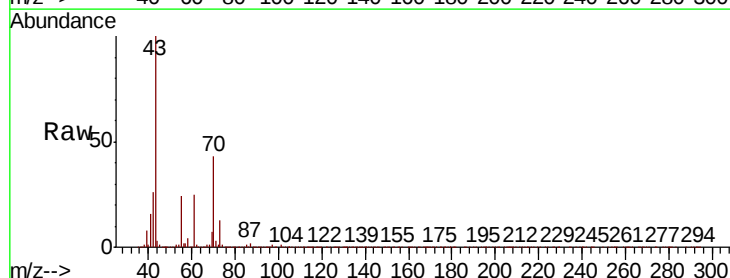
Ion Ratio Lower Upper

43 100

70 43.0 34.3 51.5

55 24.1 18.5 27.7

61 24.6 19.8 29.8

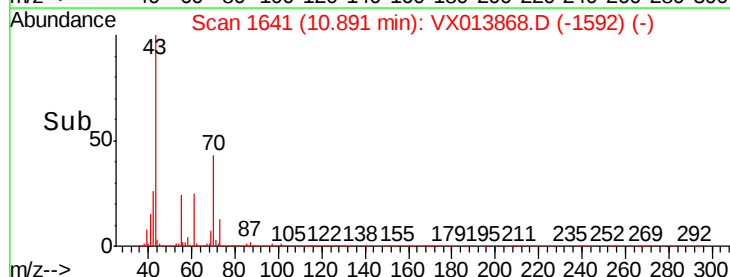
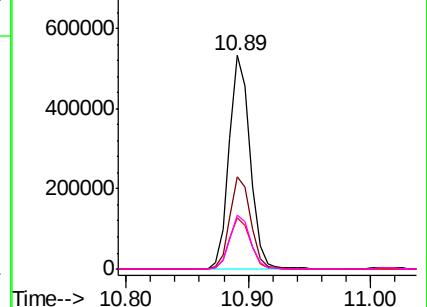


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.338 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

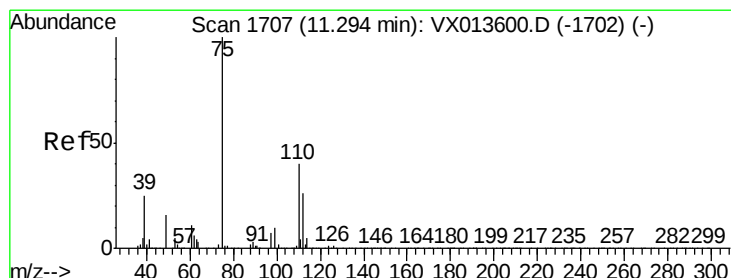
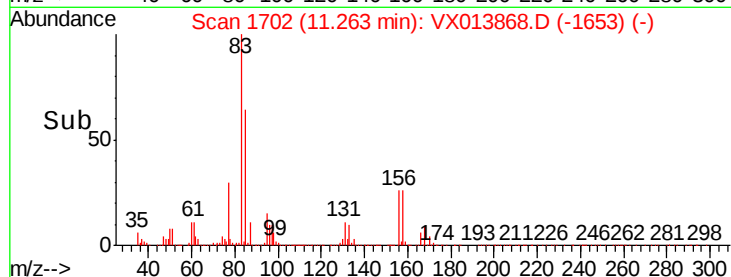
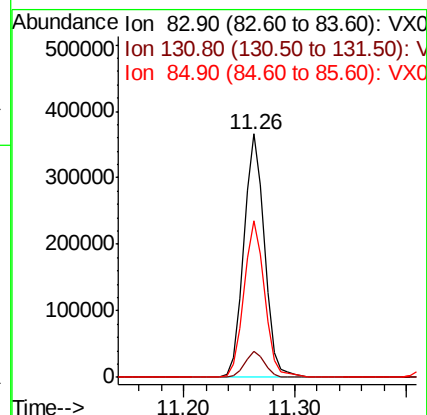
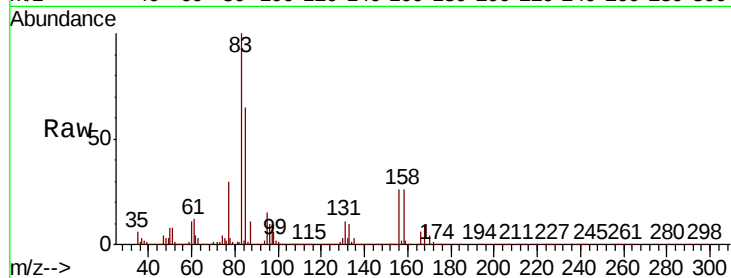
Tot Ion: 83 Resp: 470486

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

85 64.6 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 59.527 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013868.D

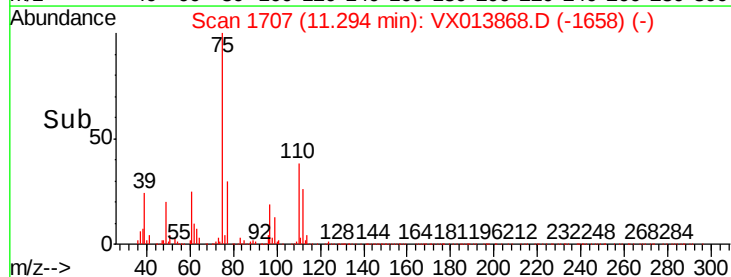
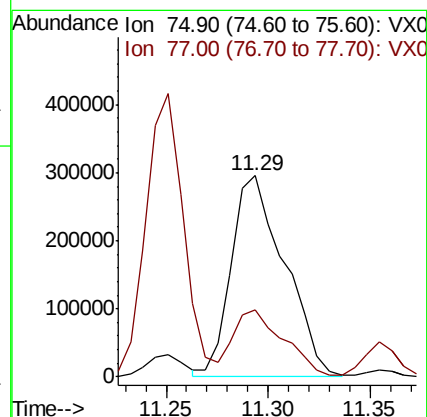
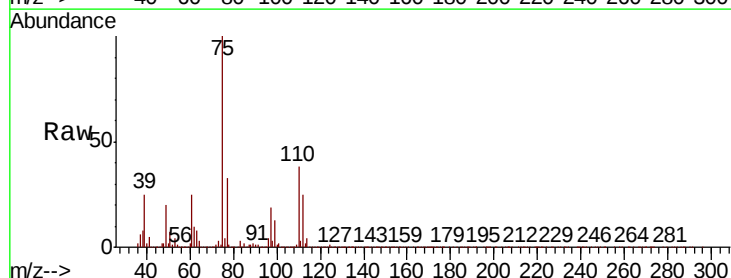
Acq: 09 Dec 2019 22:01

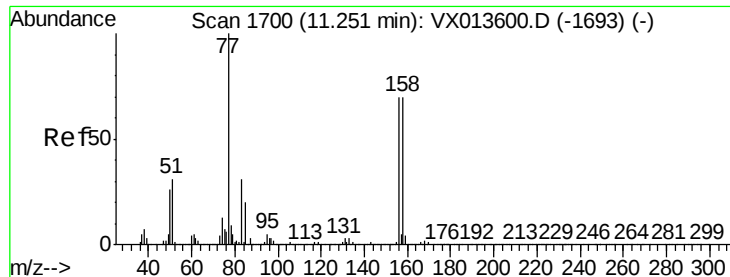
Tgt Ion: 75 Resp: 535693

Ion Ratio Lower Upper

75 100

77 31.3 19.1 57.5





#77

Bromobenzene

Concen: 46.350 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

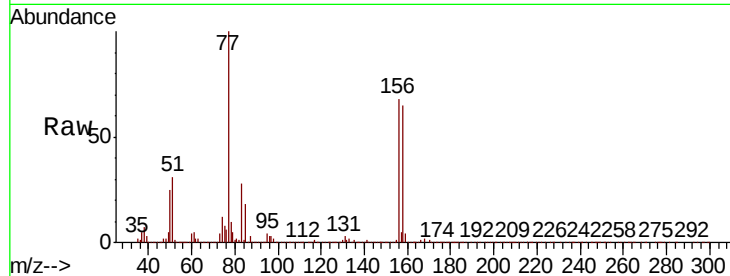
Tot Ion:156 Resp: 351436

Ion Ratio Lower Upper

156 100

77 152.0 74.4 223.1

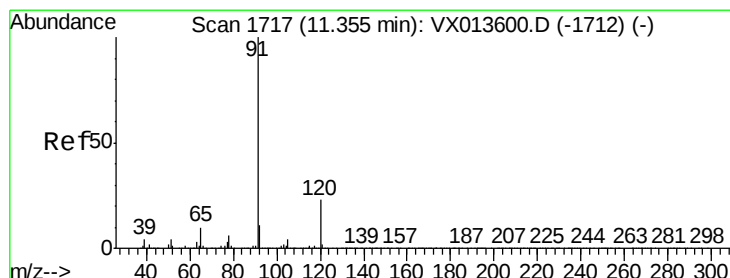
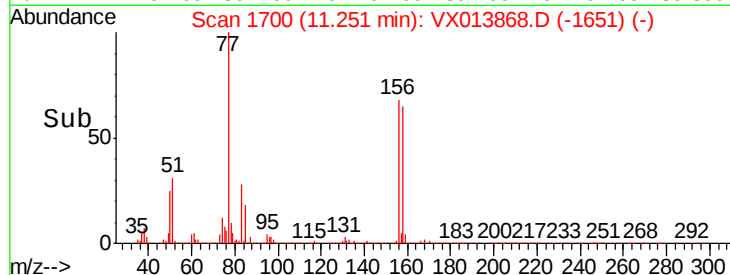
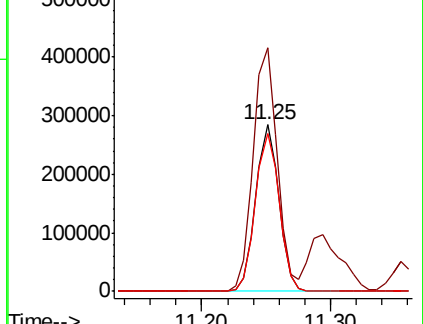
158 97.7 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.251 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013868.D

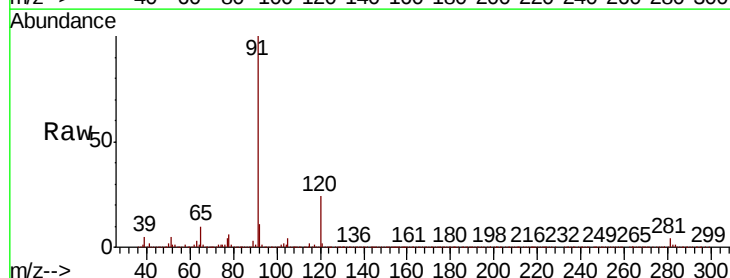
Acq: 09 Dec 2019 22:01

Tgt Ion: 91 Resp: 1511741

Ion Ratio Lower Upper

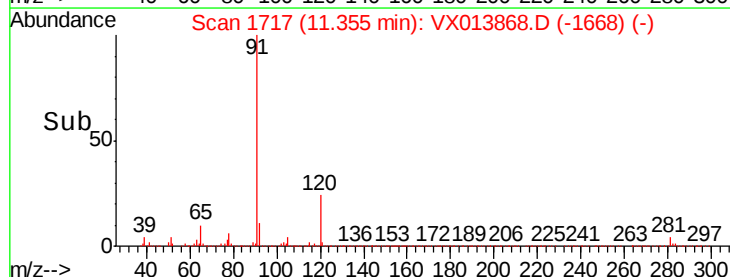
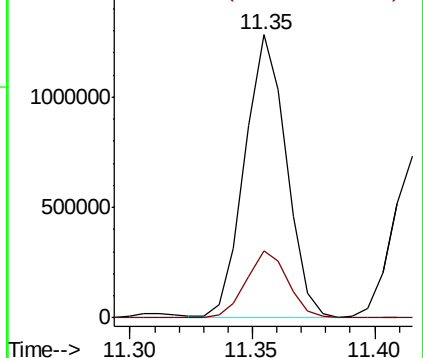
91 100

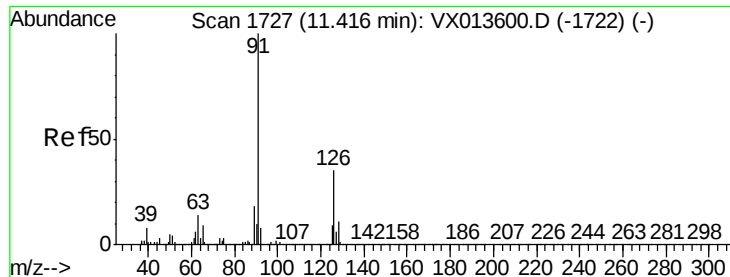
120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.345 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

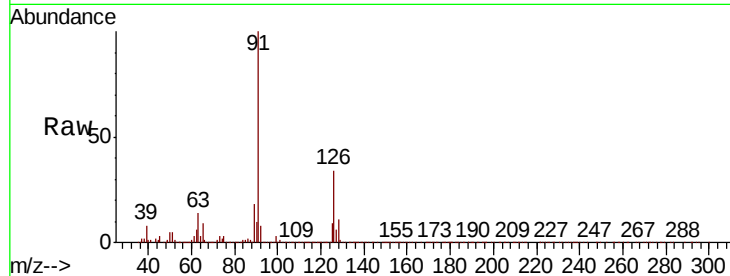
VSTDCCC050EC

Tot Ion: 91 Resp: 889809

Ion Ratio Lower Upper

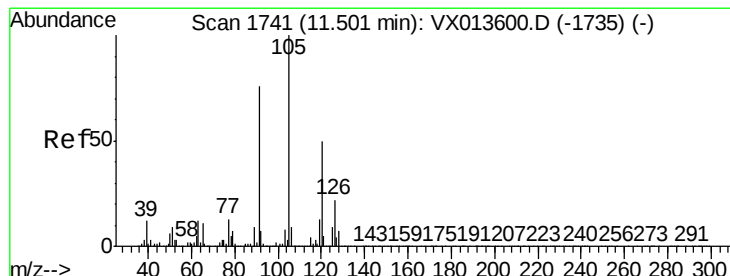
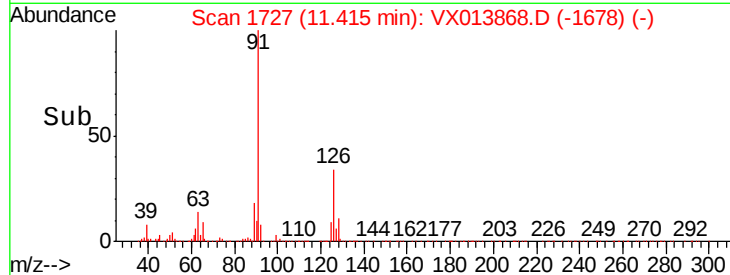
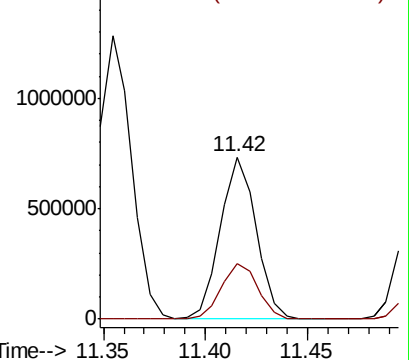
91 100

126 35.2 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VX013868.D (-1678) (-)

Ion 125.90 (125.60 to 126.60): VX013868.D (-1678) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.568 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013868.D

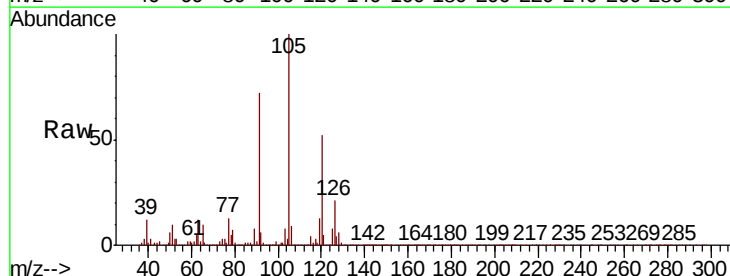
Acq: 09 Dec 2019 22:01

Tgt Ion: 105 Resp: 1117209

Ion Ratio Lower Upper

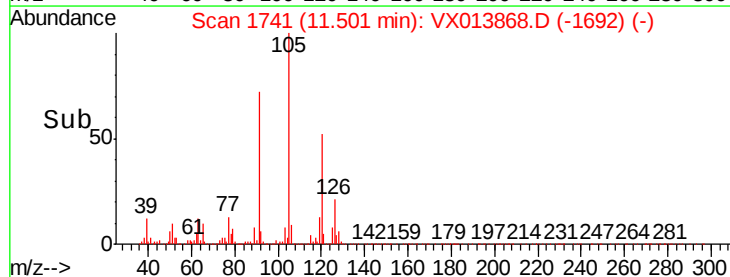
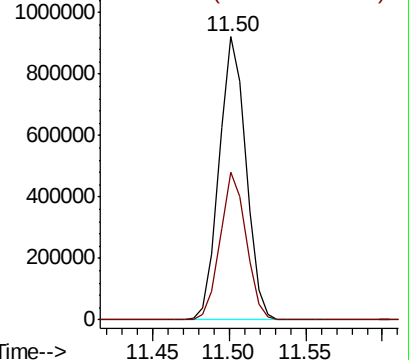
105 100

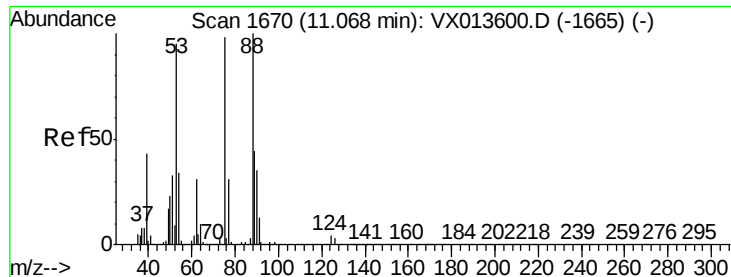
120 50.4 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX013868.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX013868.D (-1692) (-)

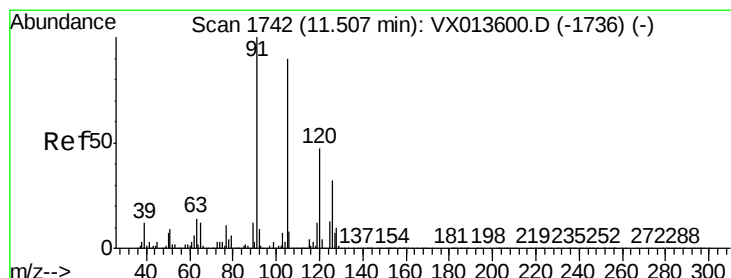
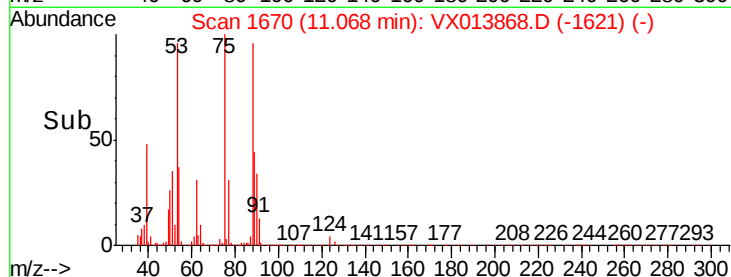
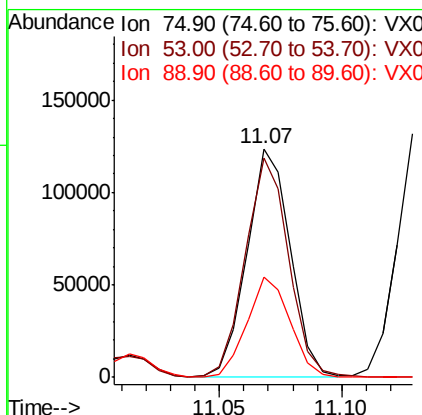
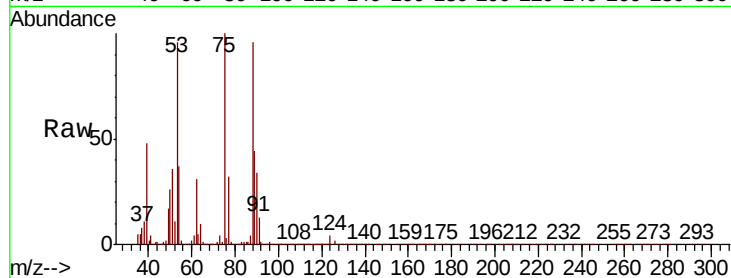




#81
trans-1,4-Dichloro-2-butene
Concen: 46.401 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

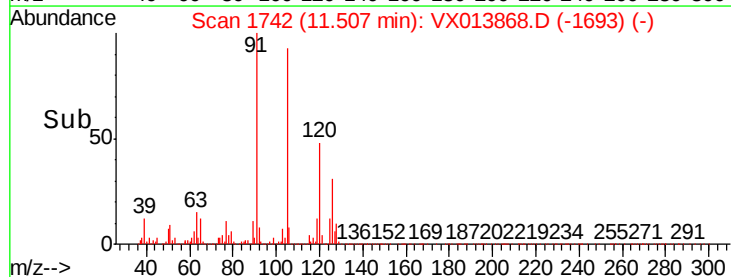
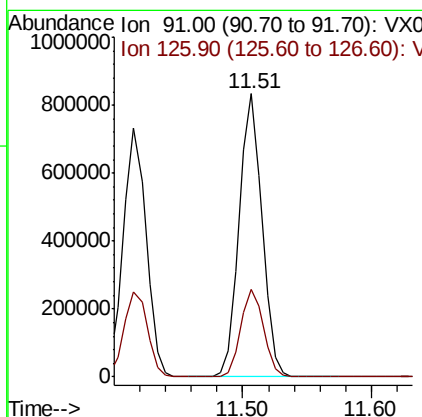
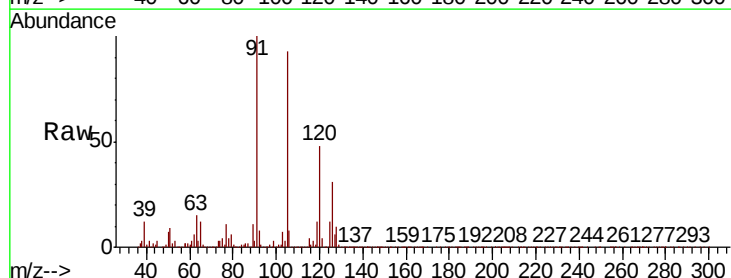
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

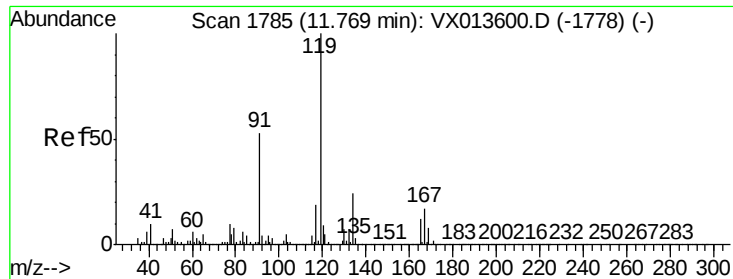
Tot Ion: 75 Resp: 152630
Ion Ratio Lower Upper
75 100
53 95.6 78.2 117.2
89 44.0 35.4 53.2



#82
4-Chlorotoluene
Concen: 47.122 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 91 Resp: 1025743
Ion Ratio Lower Upper
91 100
126 30.9 15.7 47.0

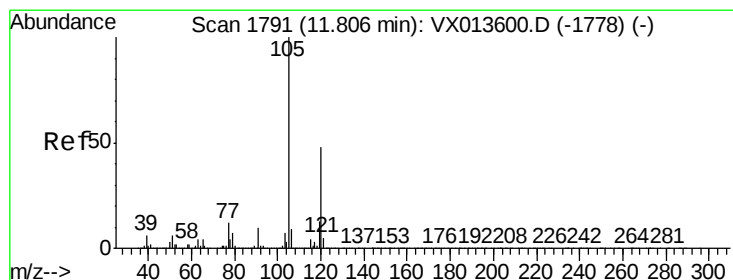
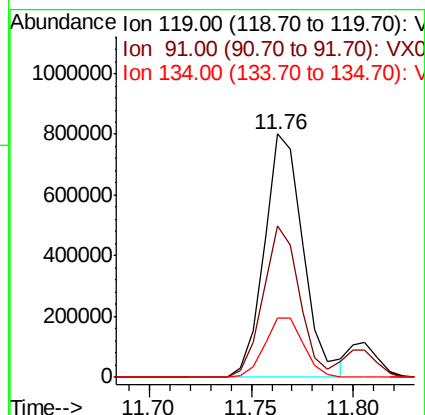
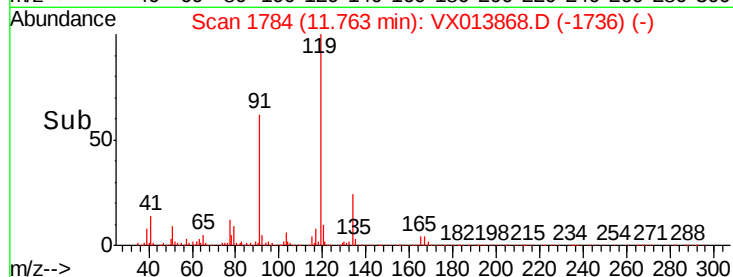
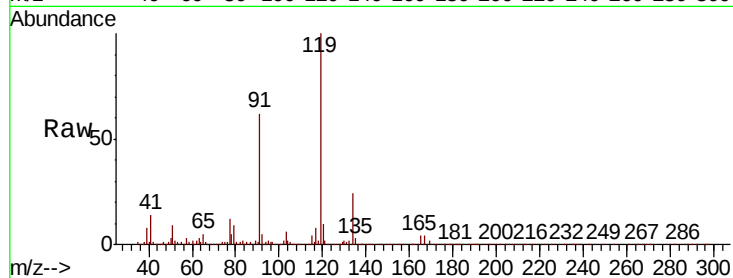




#83
tert-Butylbenzene
Concen: 45.476 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

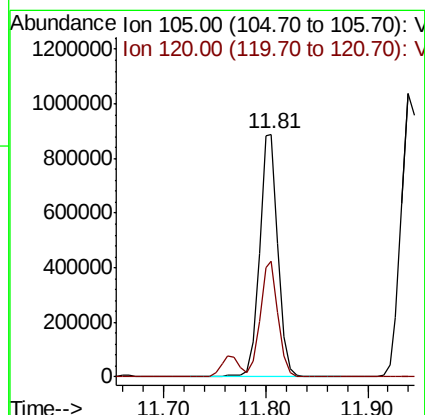
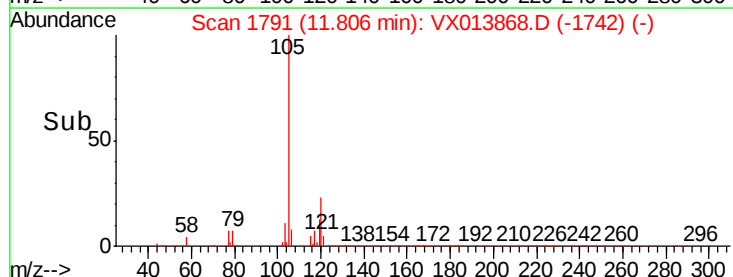
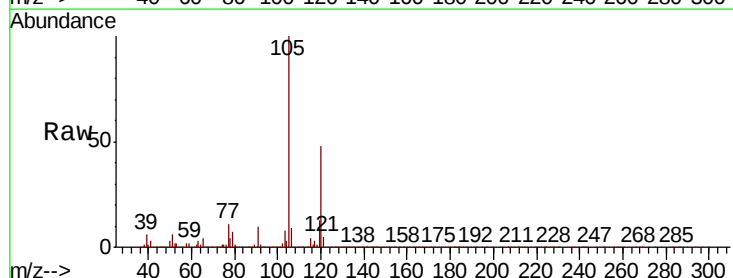
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

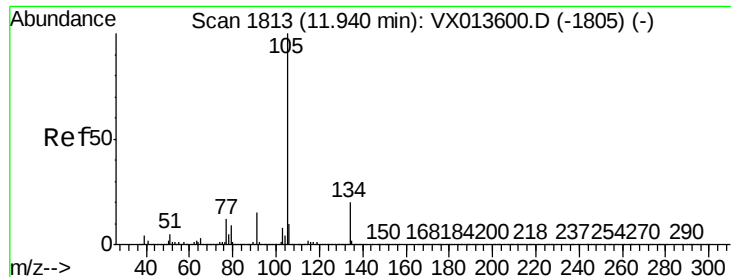
Tot Ion:119 Resp: 1063123
Ion Ratio Lower Upper
119 100
91 58.2 27.2 81.6
134 24.4 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 48.051 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion:105 Resp: 1121789
Ion Ratio Lower Upper
105 100
120 46.2 23.1 69.3





#85

sec-Butylbenzene

Concen: 48.342 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

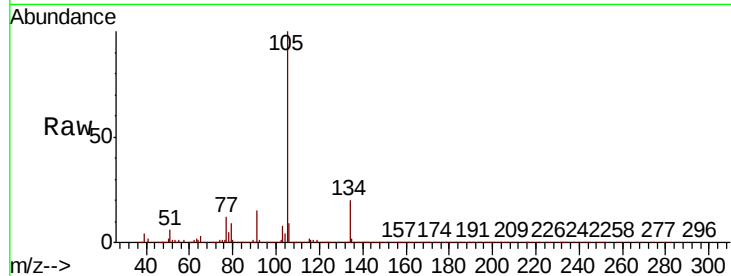
VSTDCCC050EC

Tot Ion:105 Resp: 1290852

Ion Ratio Lower Upper

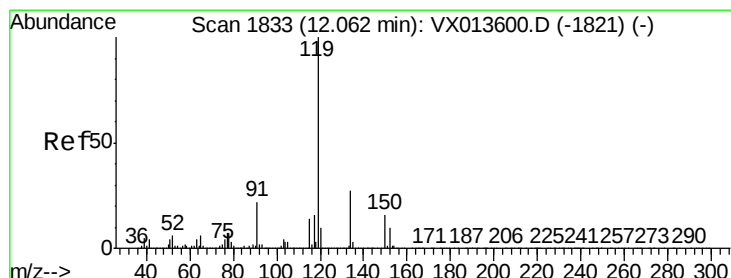
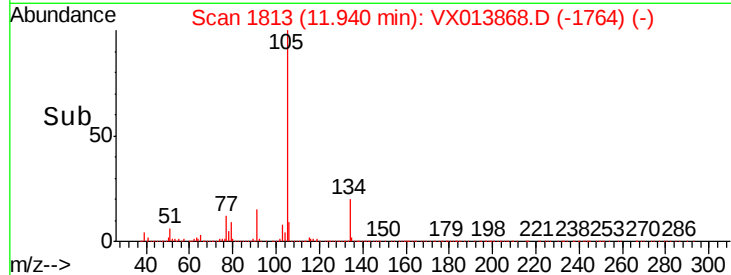
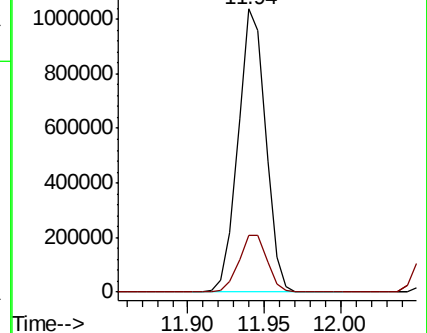
105 100

134 20.6 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.993 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

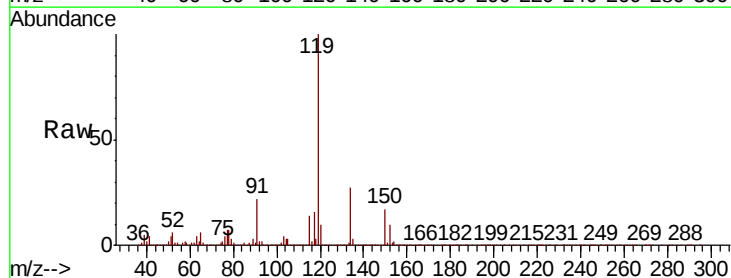
Tgt Ion:119 Resp: 1192201

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

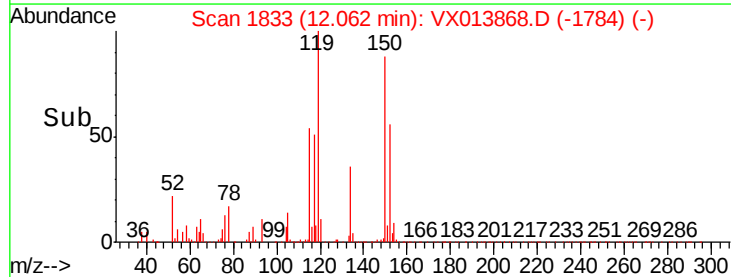
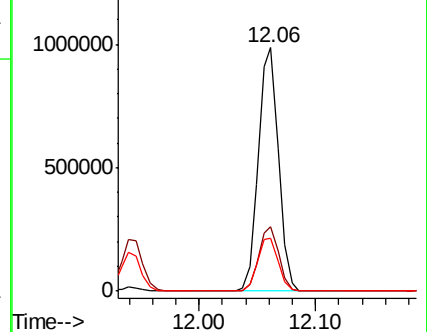
91 22.4 11.3 33.8

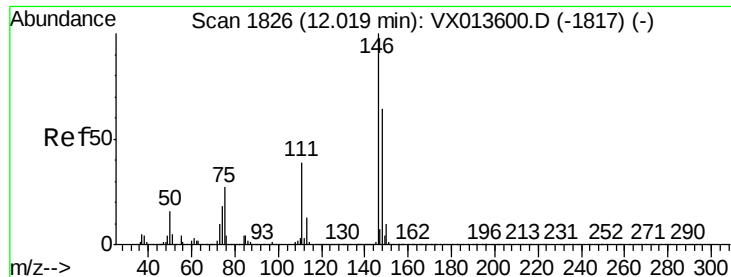


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 45.657 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

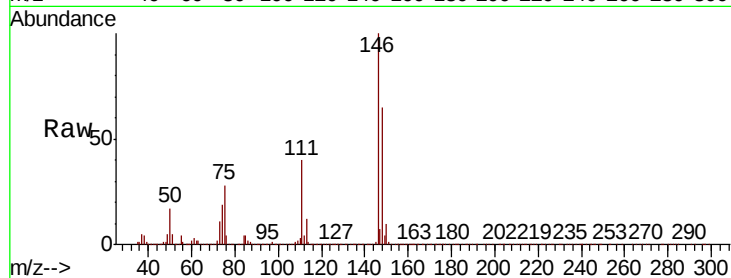
Tot Ion:146 Resp: 603449

Ion Ratio Lower Upper

146 100

111 38.9 19.0 57.0

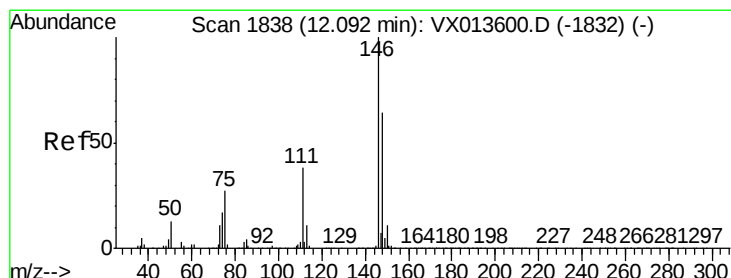
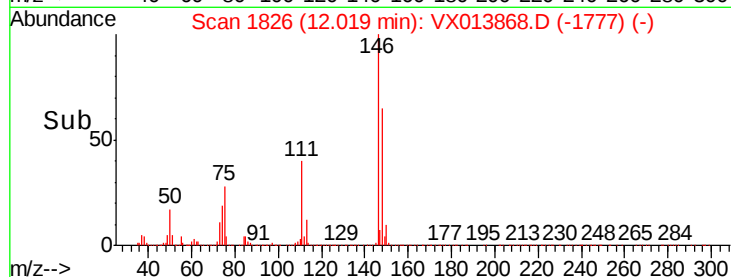
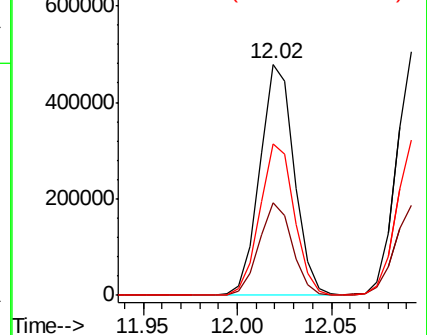
148 65.9 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 45.683 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

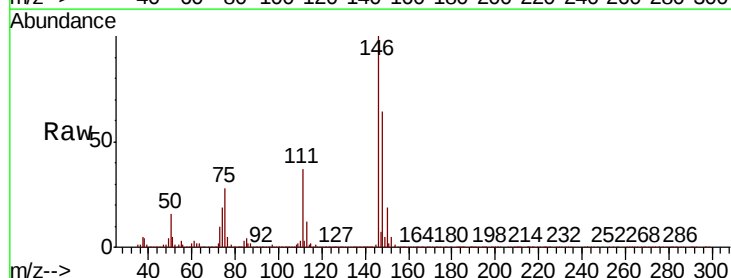
Tgt Ion:146 Resp: 614996

Ion Ratio Lower Upper

146 100

111 36.9 18.9 56.9

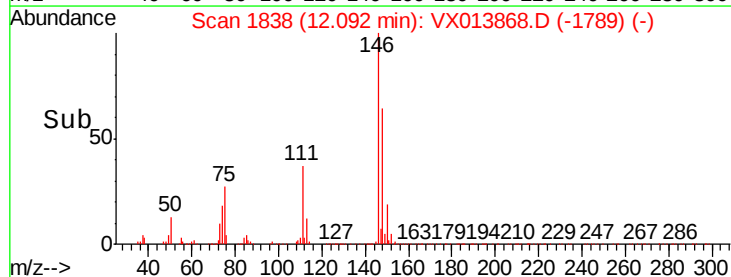
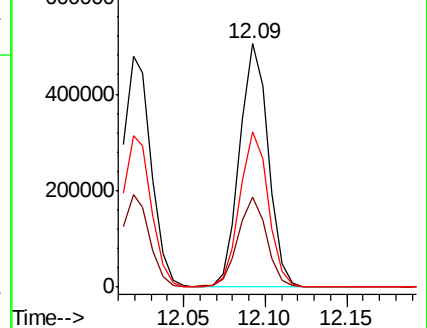
148 63.7 31.9 95.5

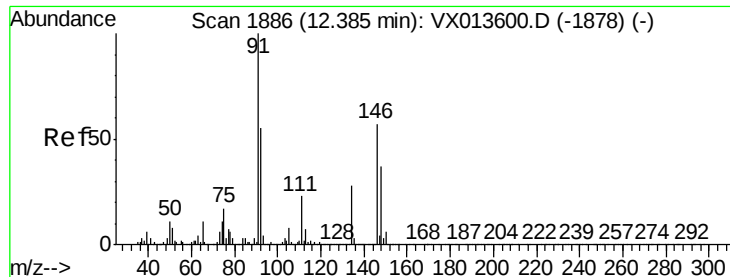


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

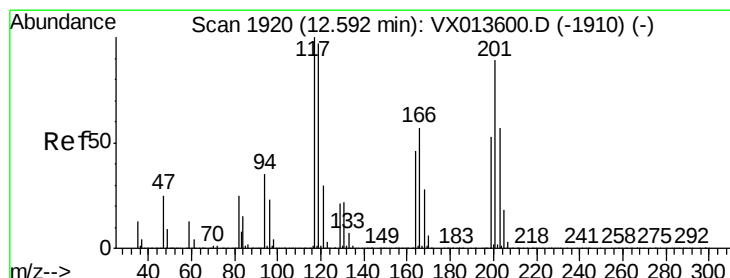
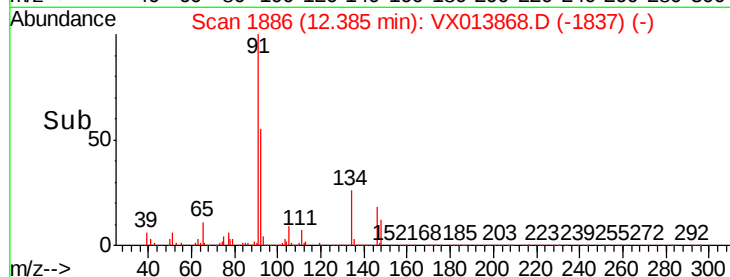
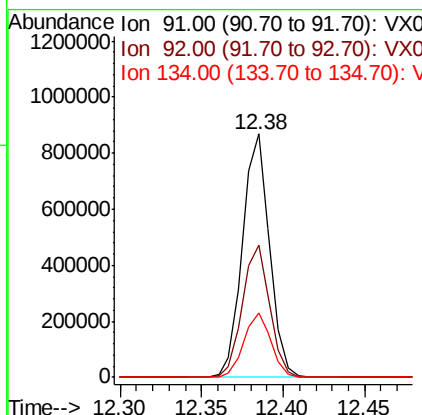
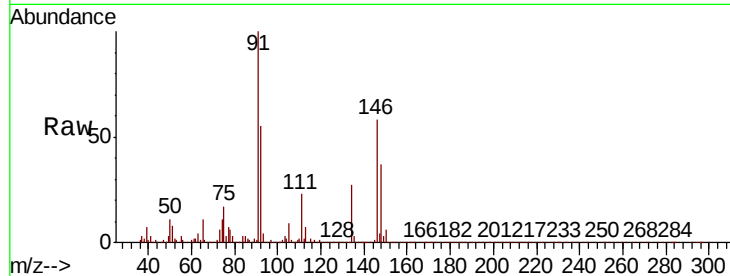




#89
n-Butylbenzene
Concen: 47.343 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

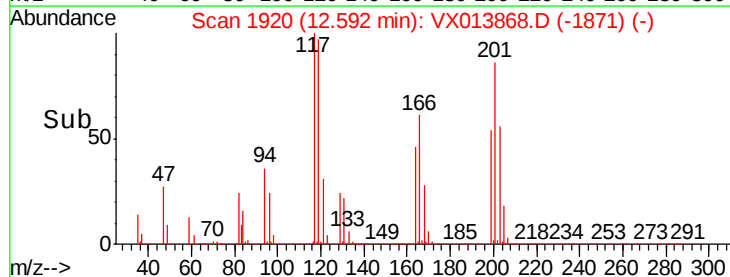
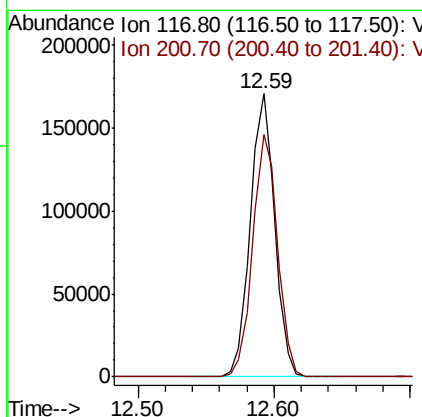
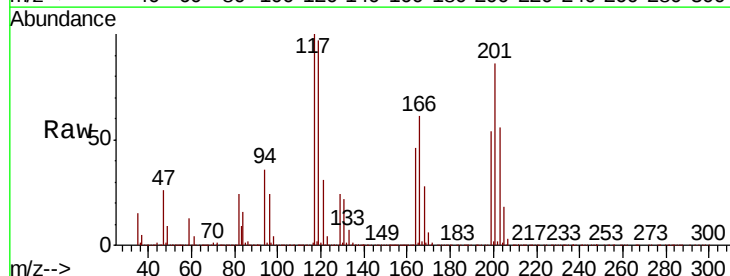
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

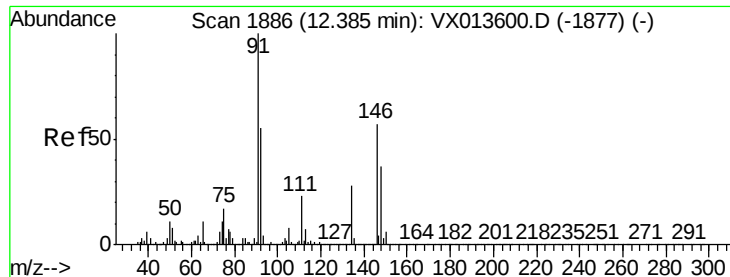
Tot Ion: 91 Resp: 1003052
Ion Ratio Lower Upper
91 100
92 54.9 27.4 82.2
134 26.7 13.5 40.4



#90
Hexachloroethane
Concen: 47.748 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013868.D
Acq: 09 Dec 2019 22:01

Tgt Ion: 117 Resp: 214390
Ion Ratio Lower Upper
117 100
201 87.9 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 47.140 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

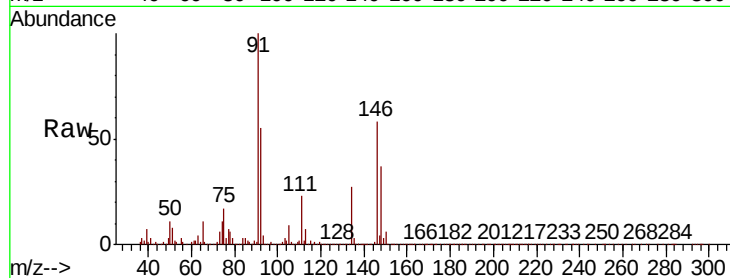
Tot Ion:146 Resp: 615600

Ion Ratio Lower Upper

146 100

111 39.5 19.6 58.7

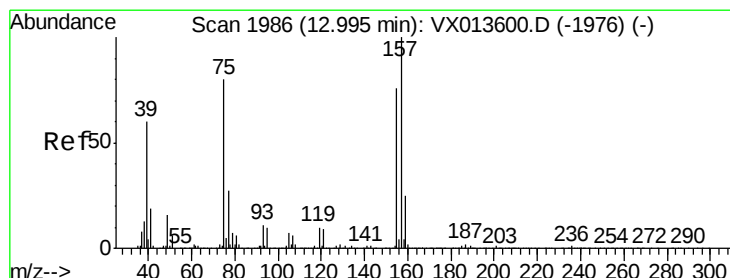
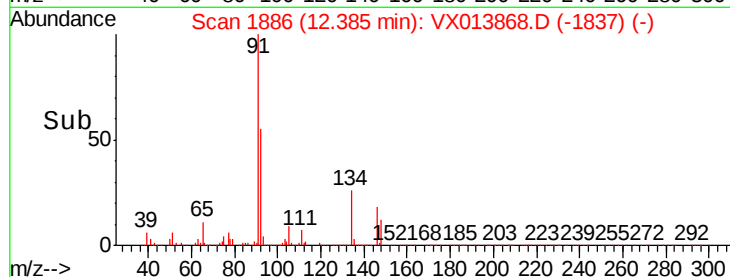
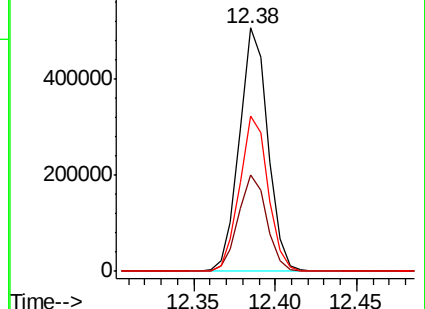
148 63.9 31.9 95.7



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: 47.335 ug/l

RT: 12.99 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

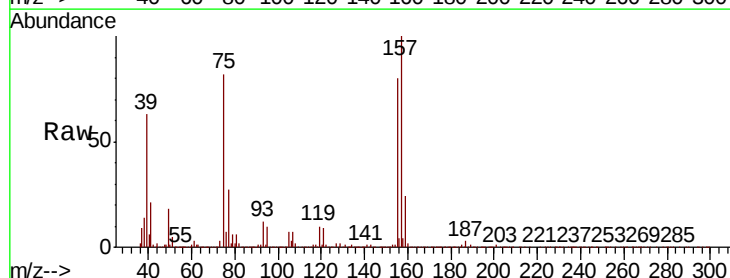
Tgt Ion: 75 Resp: 100329

Ion Ratio Lower Upper

75 100

155 100.5 47.6 142.8

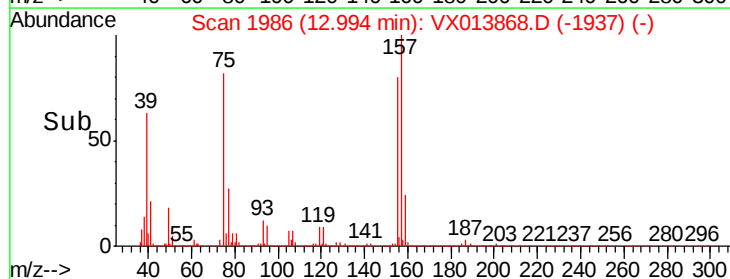
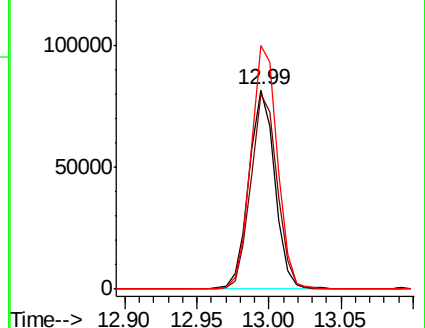
157 125.4 62.1 186.2

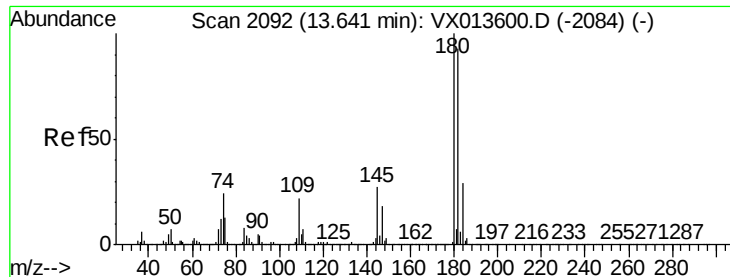


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

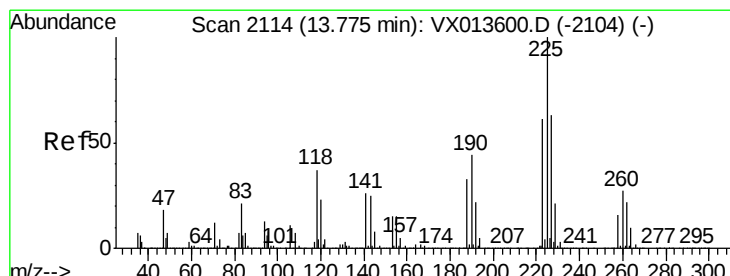
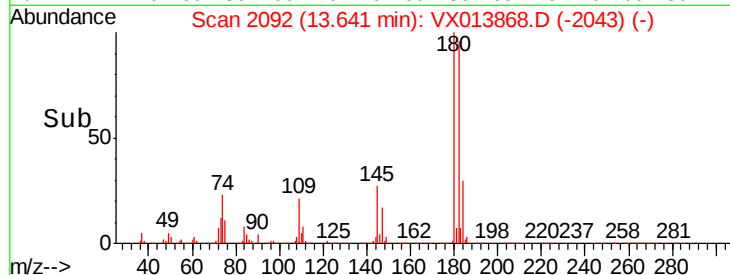
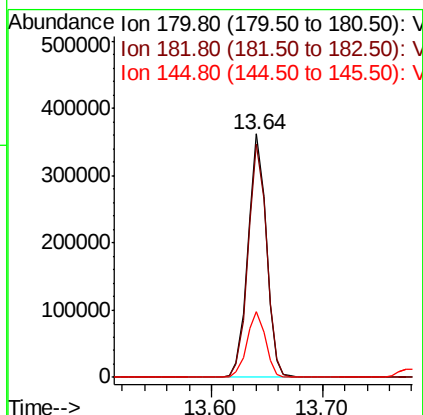
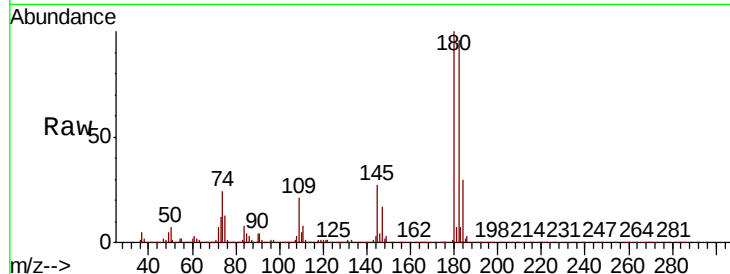




#93
 1,2,4-Trichlorobenzene
 Concen: 45.406 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013868.D
 Acq: 09 Dec 2019 22:01

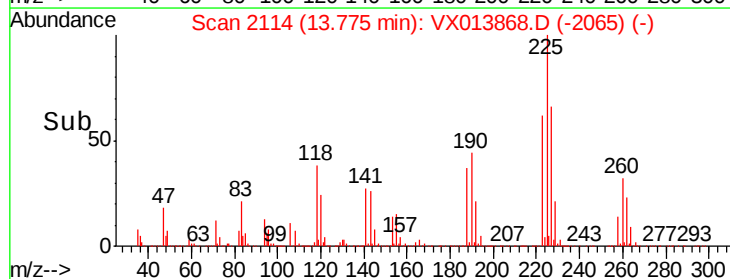
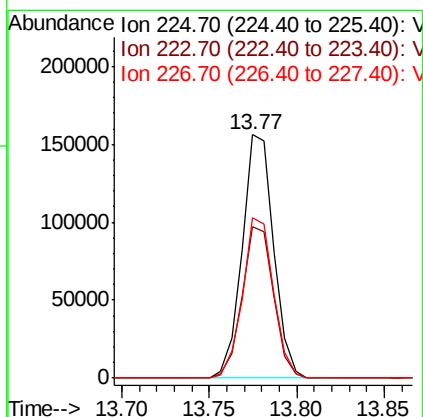
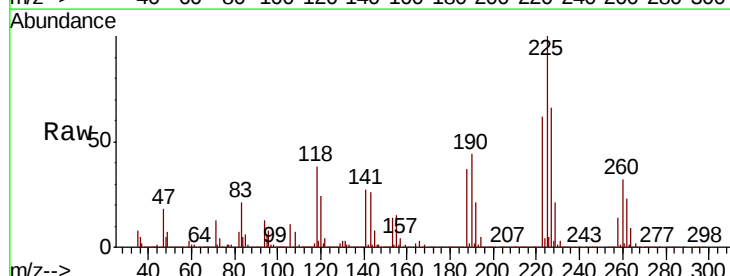
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

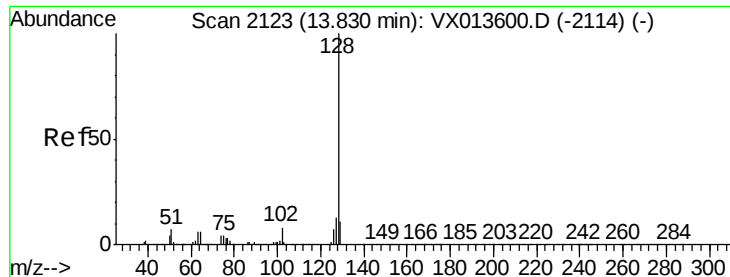
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.2	141.6
145	27.3	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 44.534 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013868.D
 Acq: 09 Dec 2019 22:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.9	95.5
227	64.8	32.1	96.3





#95

Naphthalene

Concen: 48.695 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

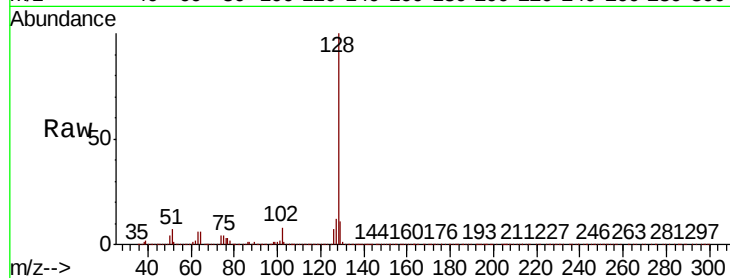
Tot Ion:128 Resp: 1319793

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

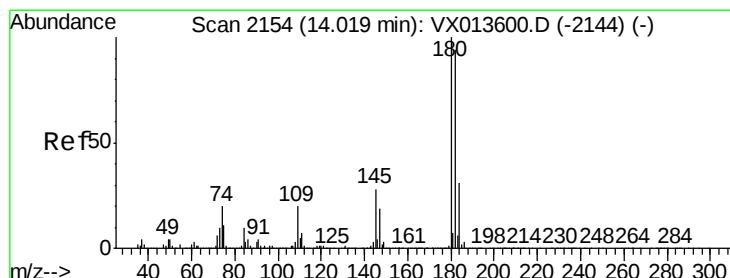
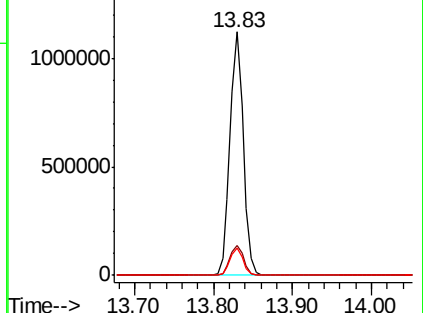
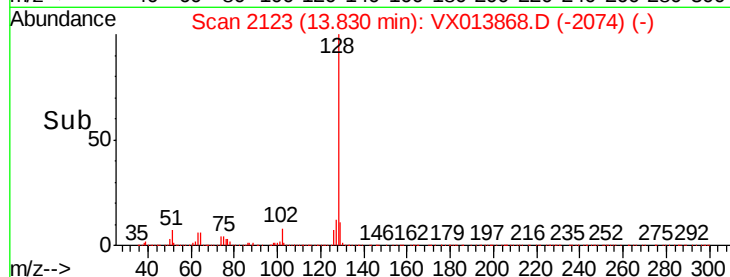
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.093 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX013868.D

Acq: 09 Dec 2019 22:01

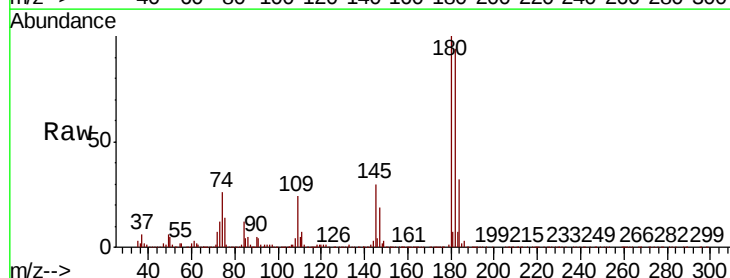
Tgt Ion:180 Resp: 424362

Ion Ratio Lower Upper

180 100

182 95.2 47.6 142.8

145 29.6 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

