

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102419\
 Data File : VW013735.D
 Acq On : 25 Oct 2019 01:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 25 08:02:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	296667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	437727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	377298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	198080	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	132682	59.62	ug/l	0.00
Spiked Amount			Recovery	=	119.24%	
35) Dibromofluoromethane	7.88	113	135593	55.75	ug/l	0.00
Spiked Amount			Recovery	=	111.50%	
50) Toluene-d8	10.32	98	540516	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
62) 4-Bromofluorobenzene	12.62	95	186967	55.71	ug/l	0.00
Spiked Amount			Recovery	=	111.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	64890	41.518	ug/l	97
3) Chloromethane	2.21	50	74713	44.480	ug/l	99
4) Vinyl Chloride	2.37	62	120687	47.577	ug/l	98
5) Bromomethane	2.78	94	82601	49.512	ug/l	99
6) Chloroethane	2.93	64	73935	48.168	ug/l	99
7) Trichlorofluoromethane	3.26	101	58886	37.165	ug/l	99
8) Diethyl Ether	3.68	74	66304	51.796	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120628	46.832	ug/l	99
10) Methyl Iodide	4.28	142	216413	51.560	ug/l	99
11) Tert butyl alcohol	5.17	59	34145	257.006	ug/l	100
12) 1,1-Dichloroethene	4.04	96	129693	48.745	ug/l	99
13) Acrolein	3.89	56	36848	242.088	ug/l	96
14) Allyl chloride	4.67	41	200489	49.005	ug/l	100
15) Acrylonitrile	5.37	53	142390	273.558	ug/l	98
16) Acetone	4.12	43	110129	233.387	ug/l	98
17) Carbon Disulfide	4.38	76	372943	48.807	ug/l	98
18) Methyl Acetate	4.67	43	75697	58.520	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	166805	52.244	ug/l	99
20) Methylene Chloride	4.92	84	148318	57.877	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	144815	50.570	ug/l	99
22) Diisopropyl ether	6.31	45	396130	53.081	ug/l	95
23) Vinyl Acetate	6.25	43	1105704	255.348	ug/l	100
24) 1,1-Dichloroethane	6.21	63	242792	51.370	ug/l	99
25) 2-Butanone	7.17	43	174508	257.232	ug/l	95
26) 2,2-Dichloropropane	7.16	77	119234	43.627	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	156622	51.493	ug/l	99
28) Bromochloromethane	7.51	49	92685	54.906	ug/l #	99
29) Tetrahydrofuran	7.53	42	114118	271.707	ug/l	100
30) Chloroform	7.68	83	240960	51.573	ug/l	100
31) Cyclohexane	7.95	56	217188	43.910	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	182202	49.695	ug/l	99
36) 1,1-Dichloropropene	8.08	75	189972	46.601	ug/l	100
37) Ethyl Acetate	7.25	43	79627	51.026	ug/l	98
38) Carbon Tetrachloride	8.07	117	174690	47.587	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	233093	44.276	ug/l	98
40) Benzene	8.32	78	560977	48.625	ug/l	99
41) Methacrylonitrile	7.48	41	49172	50.530	ug/l	98
42) 1,2-Dichloroethane	8.40	62	151171	51.999	ug/l	99
43) Isopropyl Acetate	8.42	43	151824	50.827	ug/l	99
44) Trichloroethene	9.09	130	159113	48.148	ug/l	96
45) 1,2-Dichloropropane	9.37	63	138903	50.407	ug/l	100
46) Dibromomethane	9.46	93	69068	51.641	ug/l	100
47) Bromodichloromethane	9.64	83	177285	51.229	ug/l	99
48) Methyl methacrylate	9.43	41	72024	48.623	ug/l	92
49) 1,4-Dioxane	9.44	88	18727	947.542	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	379772	255.857	ug/l	99
52) Toluene	10.38	92	364075	48.924	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	175335	50.049	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	214394	49.603	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	101849	51.096	ug/l	98
56) Ethyl methacrylate	10.65	69	131329	52.661	ug/l	99
57) 1,3-Dichloropropane	10.93	76	175960	51.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	298056	259.686	ug/l	100
59) 2-Hexanone	10.96	43	260139	254.221	ug/l	99
60) Dibromochloromethane	11.13	129	122007	51.553	ug/l	99
61) 1,2-Dibromoethane	11.23	107	96250	51.040	ug/l	98
64) Tetrachloroethene	10.86	164	145561	50.495	ug/l	98
65) Chlorobenzene	11.66	112	382191	49.295	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	138050	51.019	ug/l	99
67) Ethyl Benzene	11.73	91	679906	48.633	ug/l	98
68) m/p-Xylenes	11.84	106	518968	96.081	ug/l	99
69) o-Xylene	12.16	106	249517	50.258	ug/l	99
70) Styrene	12.18	104	433727	50.846	ug/l	100
71) Bromoform	12.35	173	74791	52.670	ug/l #	97
73) Isopropylbenzene	12.46	105	672895	47.304	ug/l	100
74) N-amyl acetate	12.27	43	135832	49.363	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	111657	49.742	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	141305	99.336	ug/l #	100
77) Bromobenzene	12.74	156	166518	49.003	ug/l	98
78) n-propylbenzene	12.80	91	788393	47.885	ug/l	99
79) 2-Chlorotoluene	12.89	91	449082	48.537	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	576807	48.035	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	34977	46.469	ug/l	97
82) 4-Chlorotoluene	12.99	91	474820	48.882	ug/l	100
83) tert-Butylbenzene	13.21	119	508441	47.701	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	573986	48.457	ug/l	99
85) sec-Butylbenzene	13.38	105	685352	47.020	ug/l	100
86) p-Isopropyltoluene	13.50	119	647750	47.708	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	316560	48.081	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	319803	48.893	ug/l	99
89) n-Butylbenzene	13.82	91	568536	46.391	ug/l	100
90) Hexachloroethane	14.09	117	112061	47.484	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	283341	49.633	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17469	51.464	ug/l	95

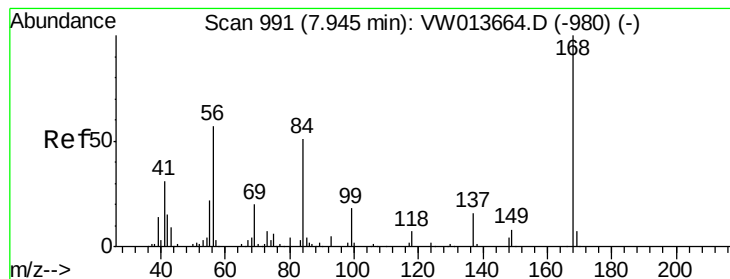
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	206772	49.770	ug/l	99
94) Hexachlorobutadiene	15.24	225	131467	46.874	ug/l	99
95) Naphthalene	15.36	128	344087	52.824	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	182361	50.940	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

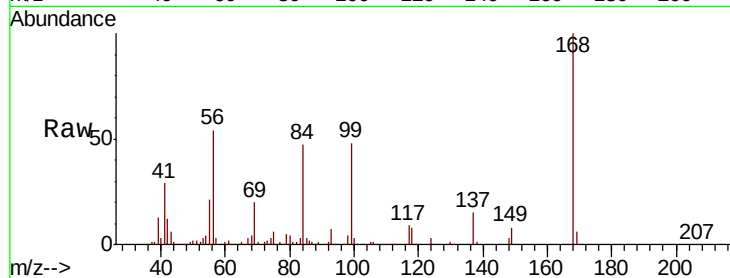
VSTDCCC050EC

Tot Ion:168 Resp: 296667

Ion Ratio Lower Upper

168 100

99 48.0 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

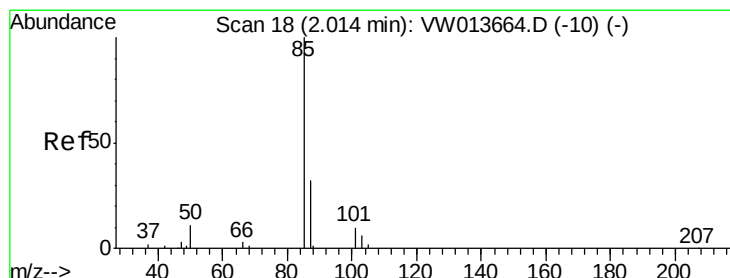
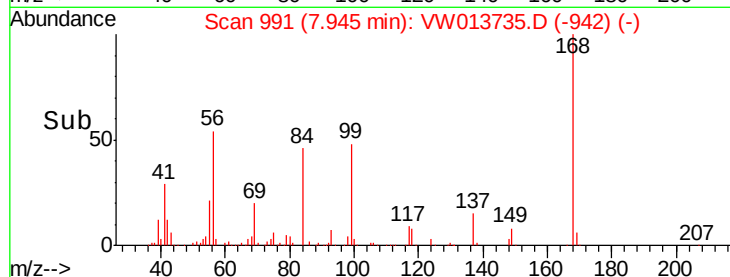
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 41.518 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013735.D

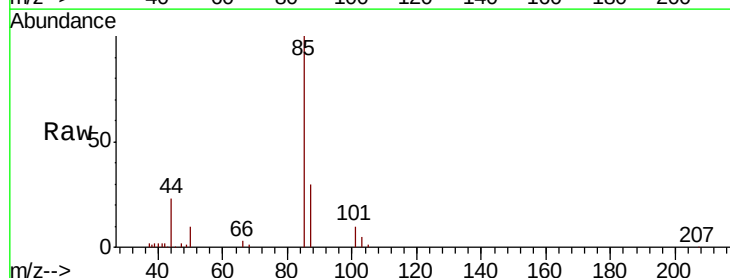
Acq: 25 Oct 2019 01:49

Tgt Ion: 85 Resp: 64890

Ion Ratio Lower Upper

85 100

87 30.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

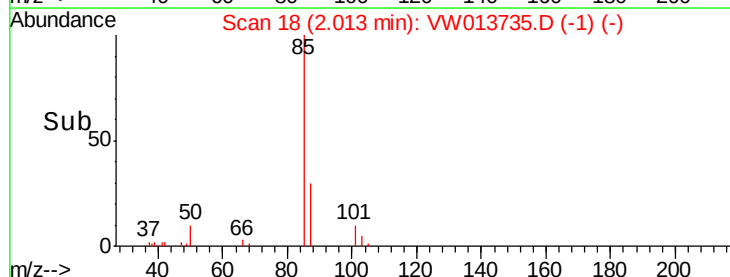
15000

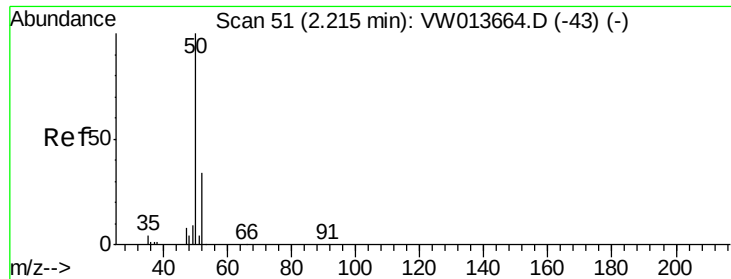
10000

5000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 44.480 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

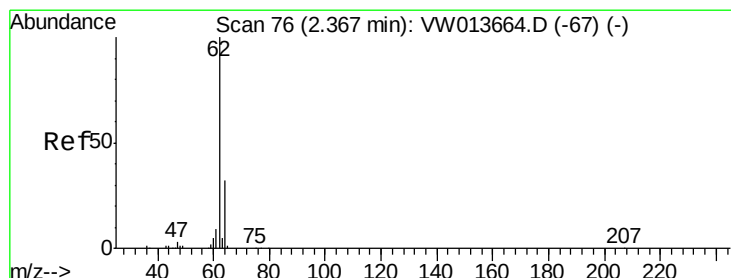
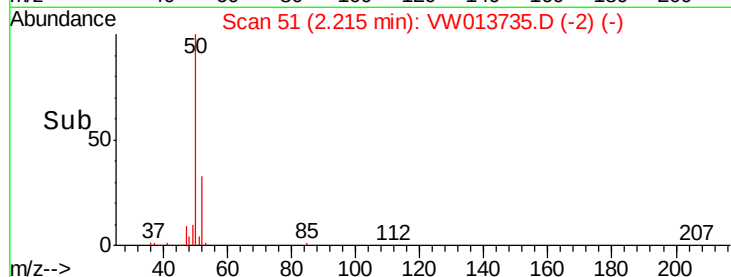
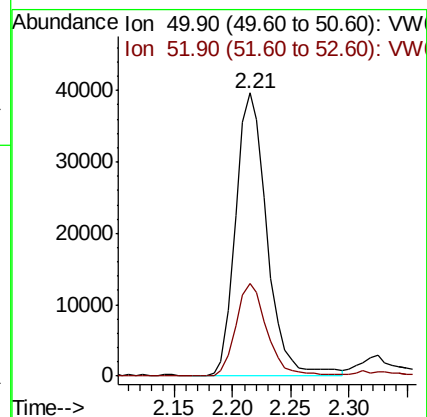
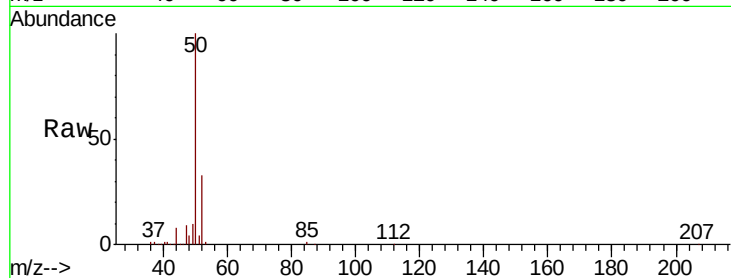
VSTDCCC050EC

Tot Ion: 50 Resp: 74713

Ion Ratio Lower Upper

50 100

52 32.9 26.9 40.3



#4

Vinyl Chloride

Concen: 47.577 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013735.D

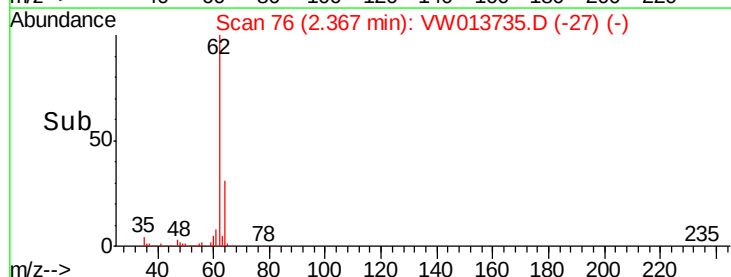
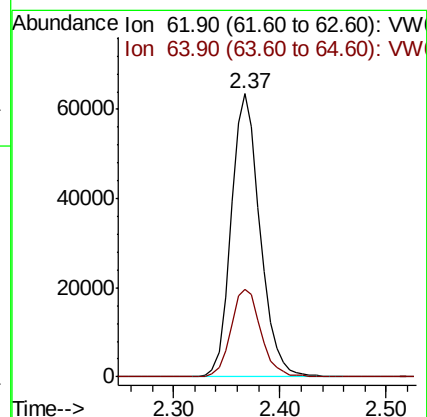
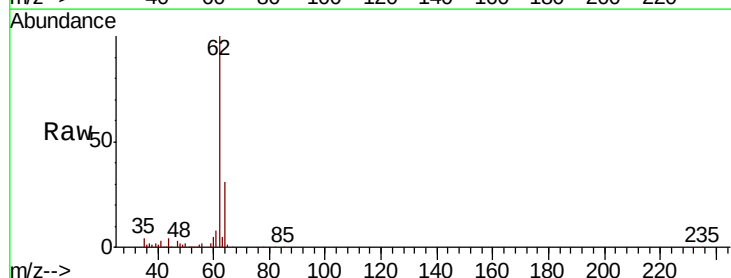
Acq: 25 Oct 2019 01:49

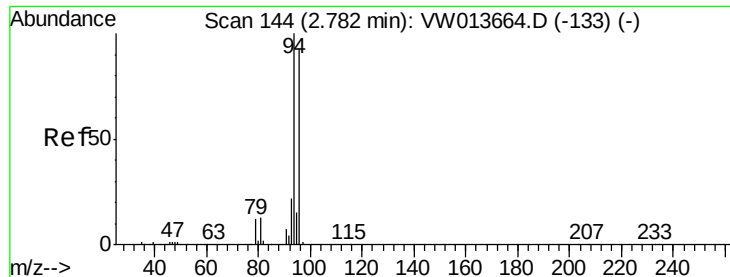
Tgt Ion: 62 Resp: 120687

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 49.512 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

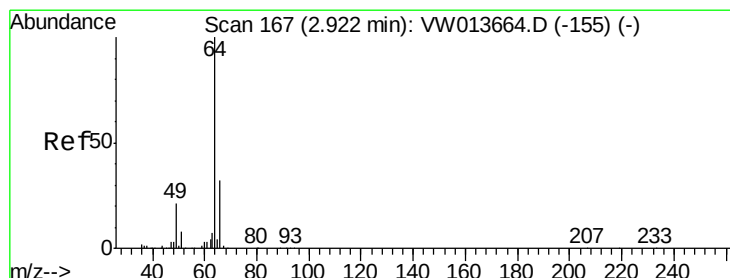
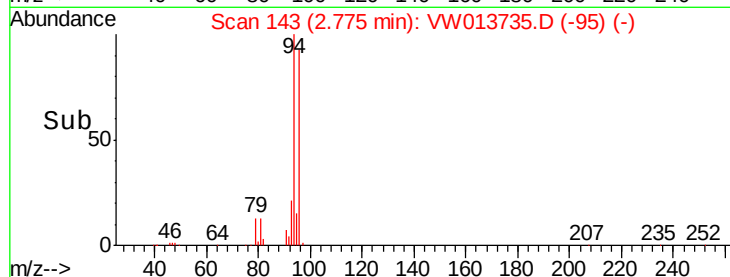
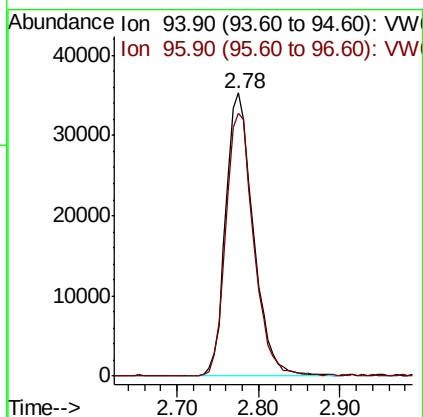
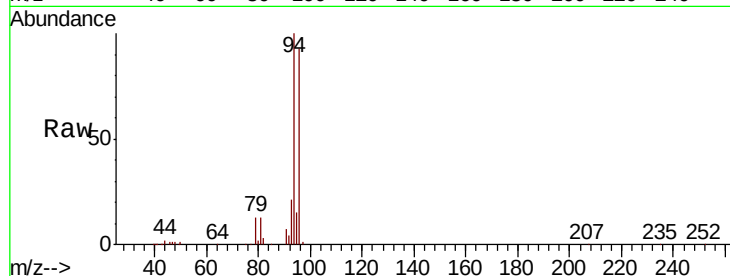
VSTDCCC050EC

Tot Ion: 94 Resp: 82601

Ion Ratio Lower Upper

94 100

96 92.8 74.6 112.0



#6

Chloroethane

Concen: 48.168 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW013735.D

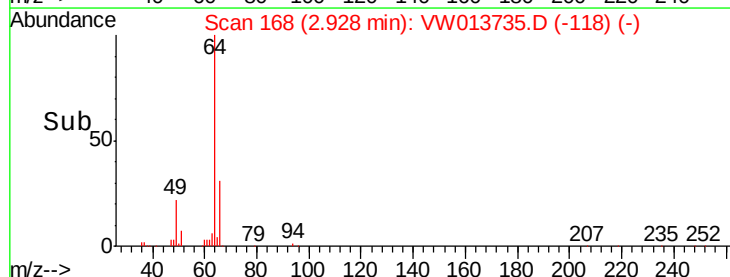
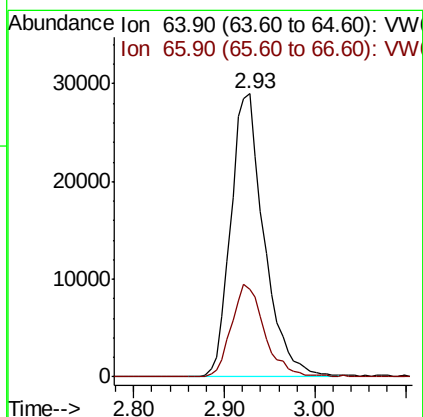
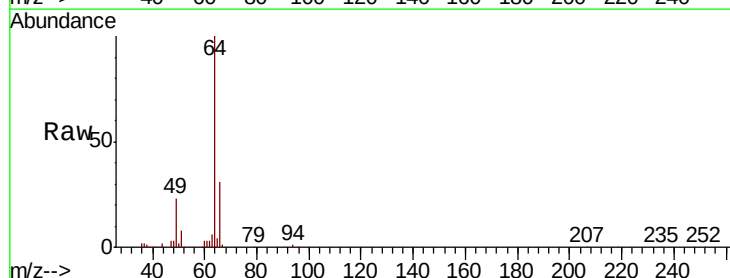
Acq: 25 Oct 2019 01:49

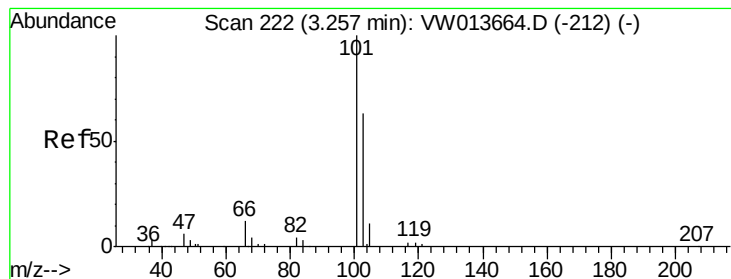
Tgt Ion: 64 Resp: 73935

Ion Ratio Lower Upper

64 100

66 30.9 25.4 38.0



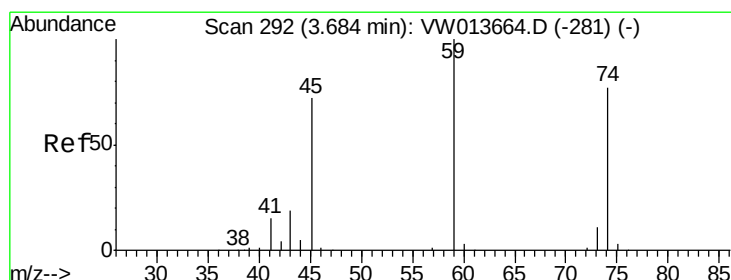
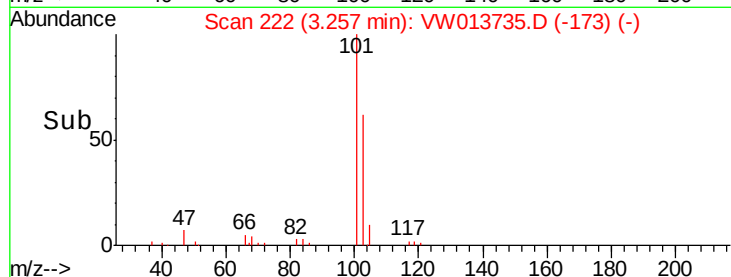
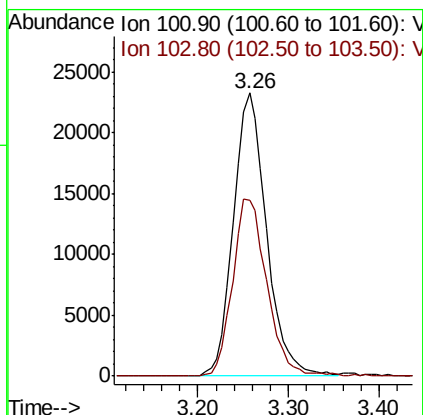
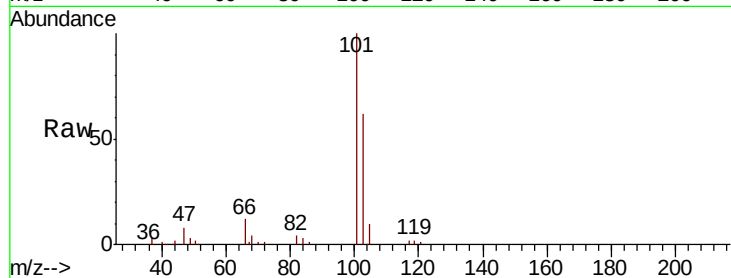


#7

Trichlorofluoromethane
 Concen: 37.165 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
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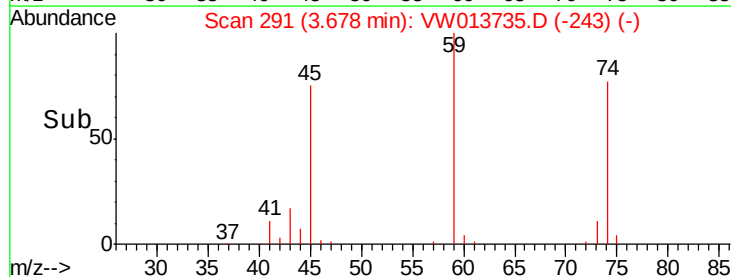
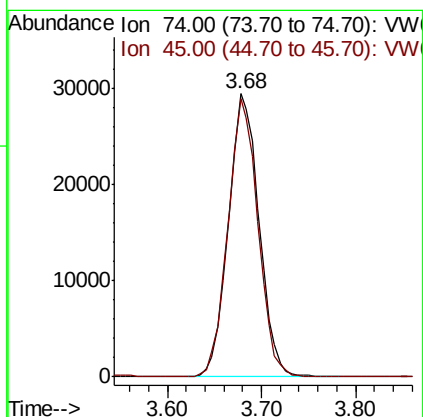
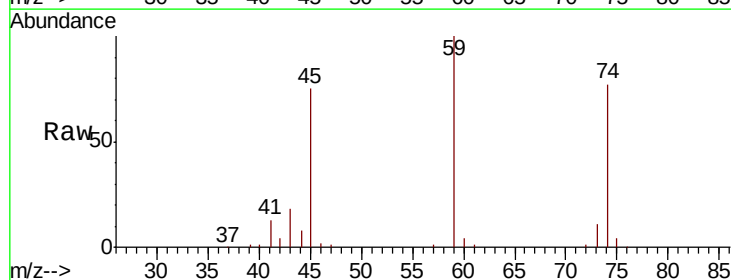
Tot Ion:101 Resp: 58886
 Ion Ratio Lower Upper
 101 100
 103 62.2 50.6 76.0

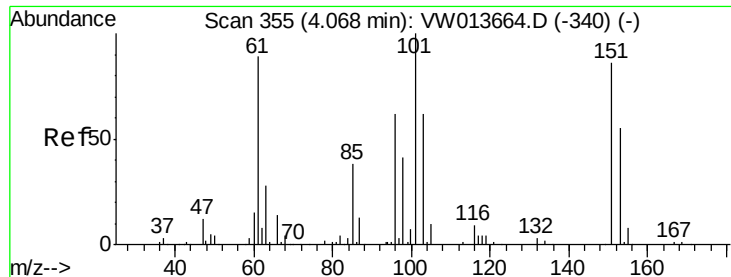


#8

Diethyl Ether
 Concen: 51.796 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Tgt Ion: 74 Resp: 66304
 Ion Ratio Lower Upper
 74 100
 45 96.5 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.832 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

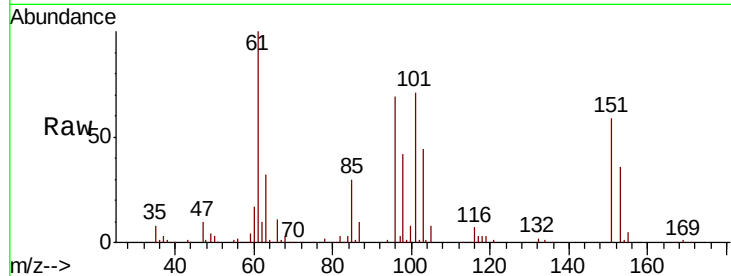
Tot Ion:101 Resp: 120628

Ion Ratio Lower Upper

101 100

85 41.2 31.0 46.6

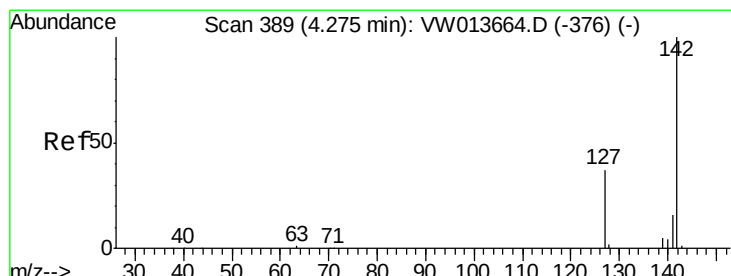
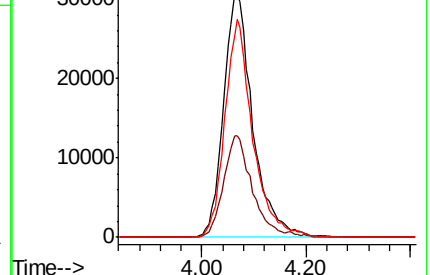
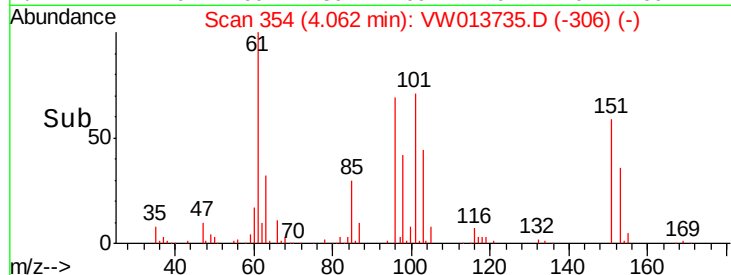
151 85.4 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.560 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

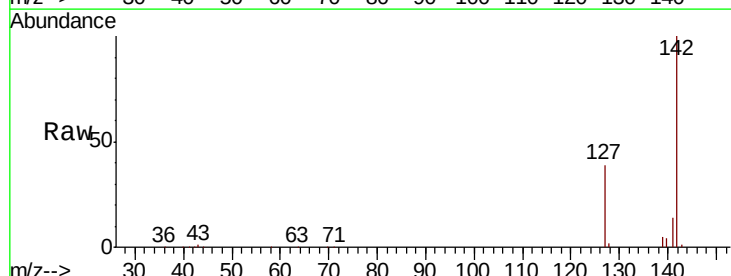
Tgt Ion:142 Resp: 216413

Ion Ratio Lower Upper

142 100

127 38.4 30.3 45.5

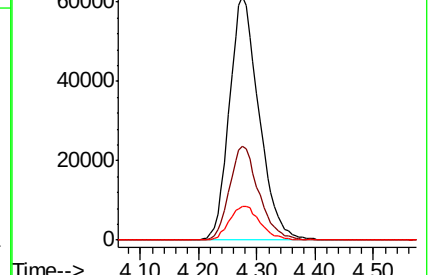
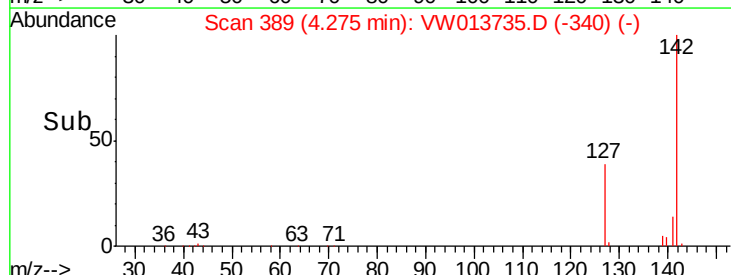
141 14.4 11.8 17.8

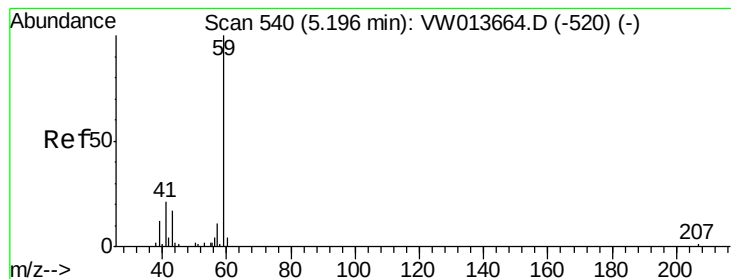


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 257.006 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.03 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

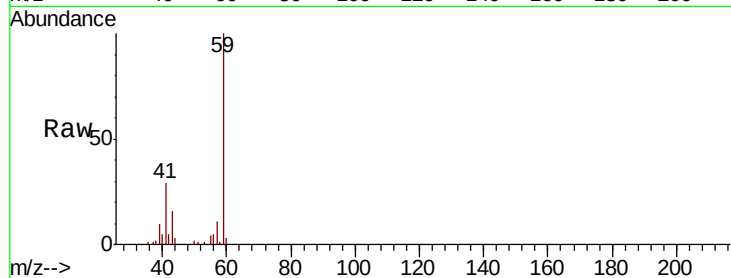
VSTDCCC050EC

Tot Ion: 59 Resp: 34145

Ion Ratio Lower Upper

59 100

57 10.9 8.8 13.2



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

10000

8000

6000

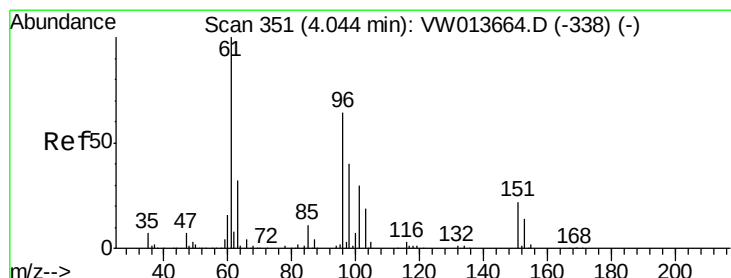
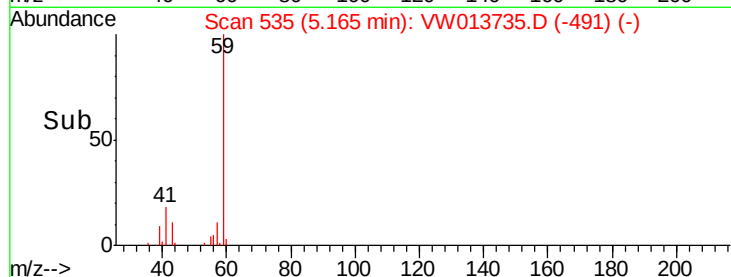
4000

2000

0

Time-->

5.00 5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 48.745 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

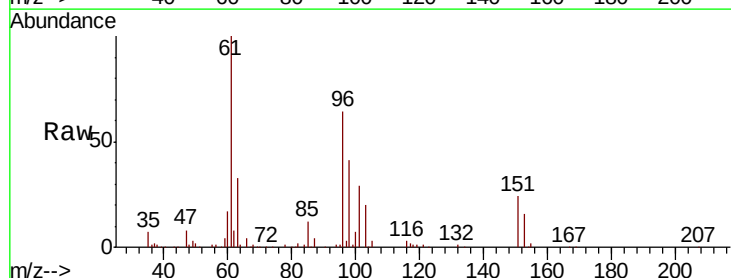
Tgt Ion: 96 Resp: 129693

Ion Ratio Lower Upper

96 100

61 157.0 125.0 187.6

98 64.2 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

80000

60000

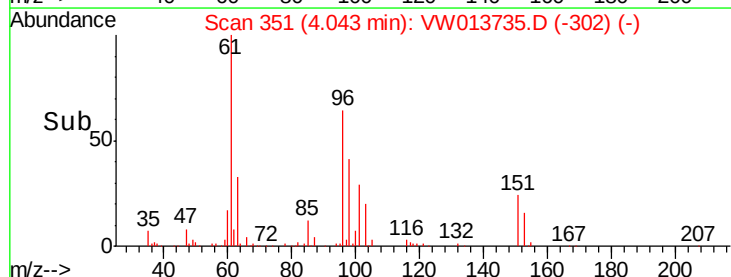
40000

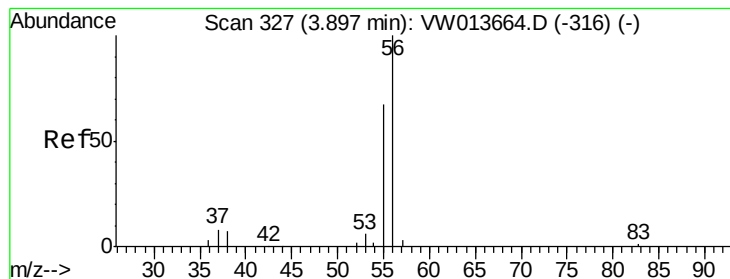
20000

0

Time-->

3.90 4.00 4.10 4.20





#13

Acrolein

Concen: 242.088 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

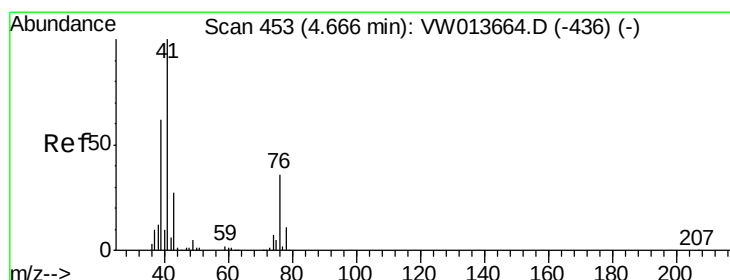
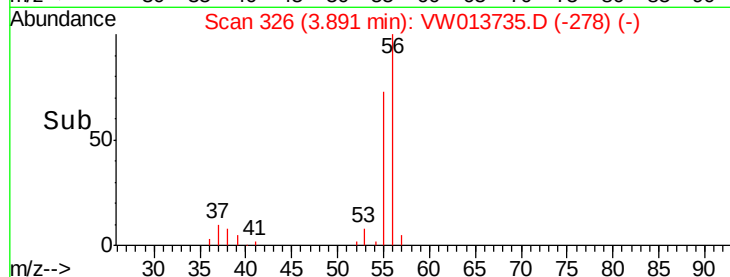
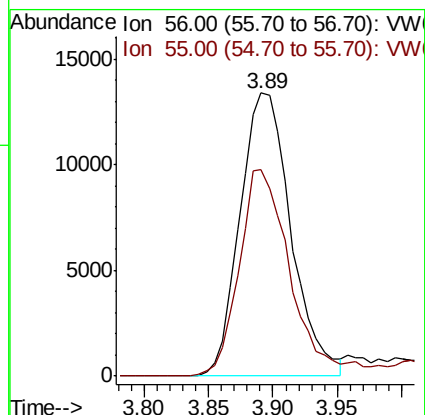
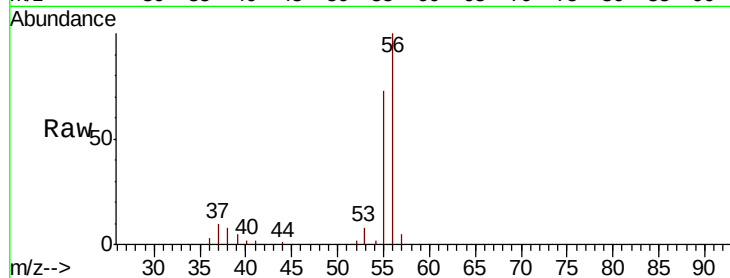
VSTDCCC050EC

Tot Ion: 56 Resp: 36848

Ion Ratio Lower Upper

56 100

55 73.3 56.1 84.1



#14

Allyl chloride

Concen: 49.005 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

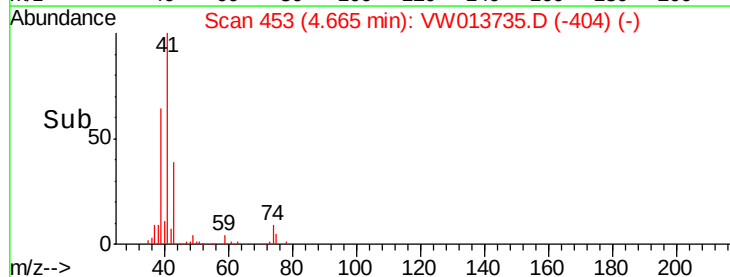
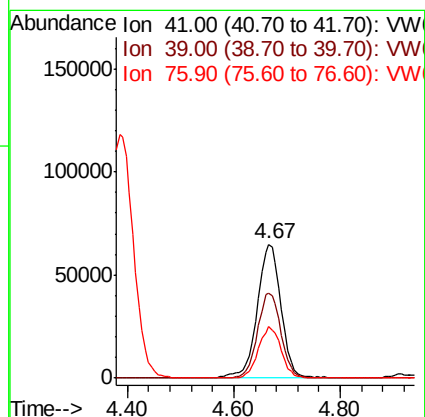
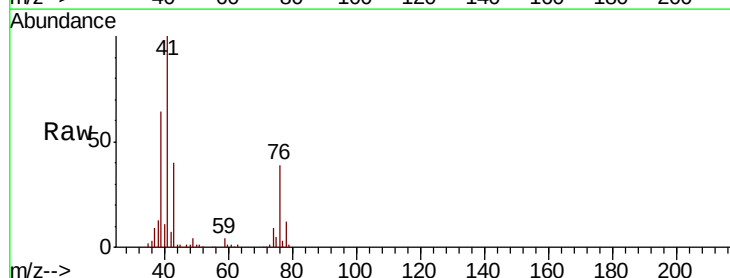
Tgt Ion: 41 Resp: 200489

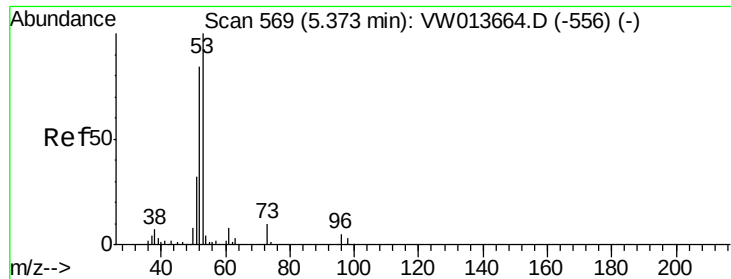
Ion Ratio Lower Upper

41 100

39 62.8 50.0 75.0

76 36.5 29.6 44.4





#15

Acrylonitrile

Concen: 273.558 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

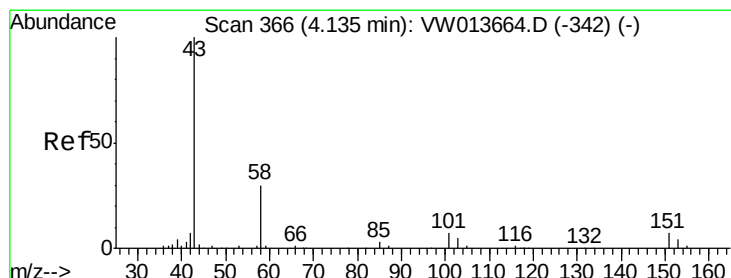
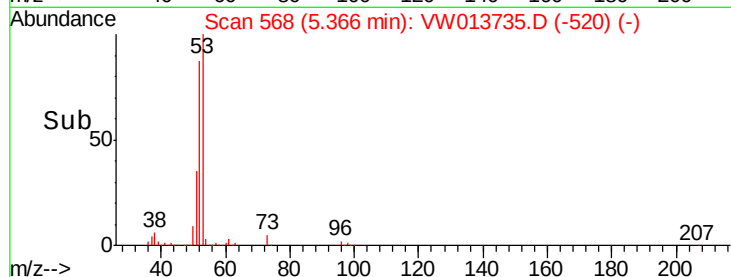
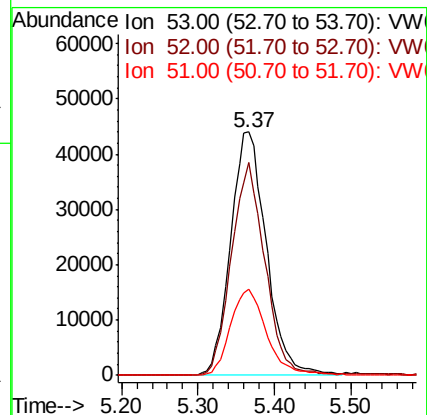
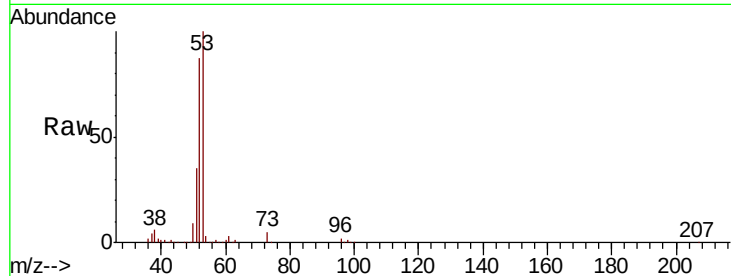
Tot Ion: 53 Resp: 142390

Ion Ratio Lower Upper

53 100

52 82.0 67.4 101.0

51 35.7 29.1 43.7



#16

Acetone

Concen: 233.387 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013735.D

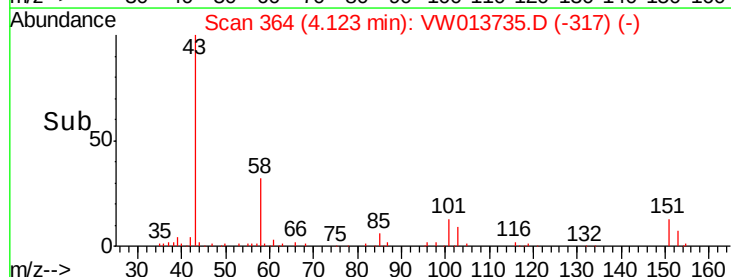
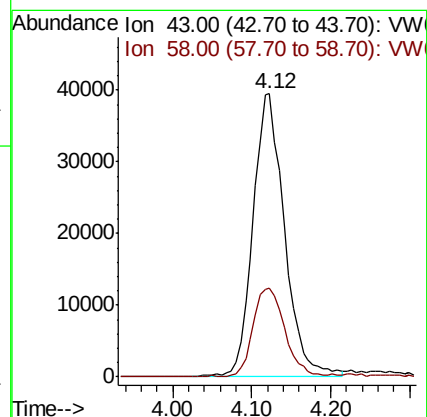
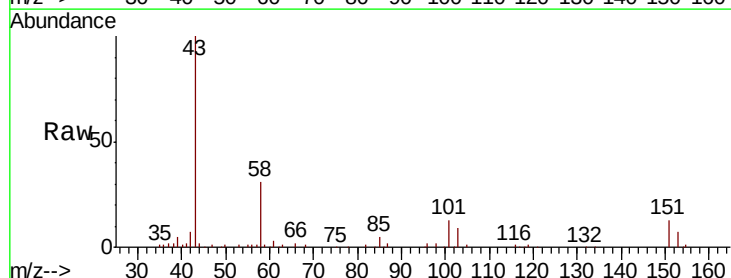
Acq: 25 Oct 2019 01:49

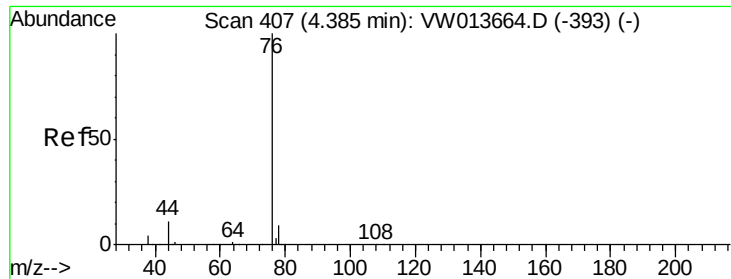
Tgt Ion: 43 Resp: 110129

Ion Ratio Lower Upper

43 100

58 31.4 24.1 36.1

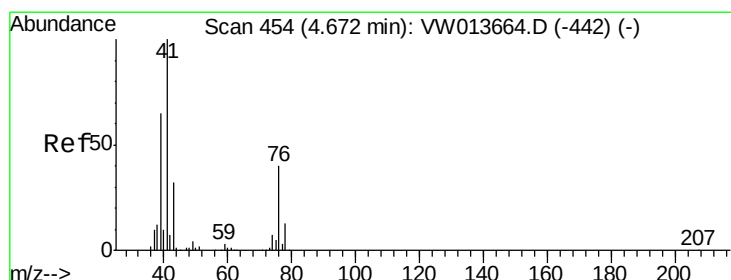
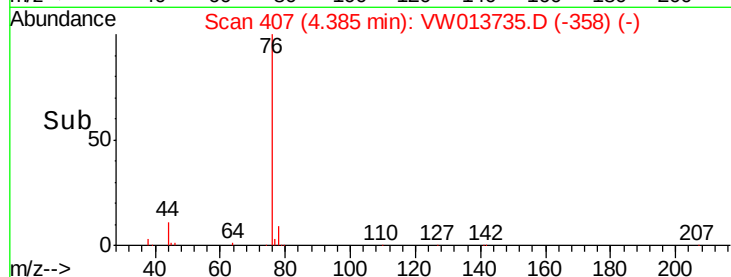
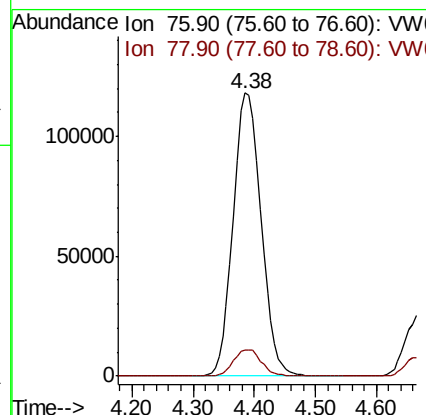
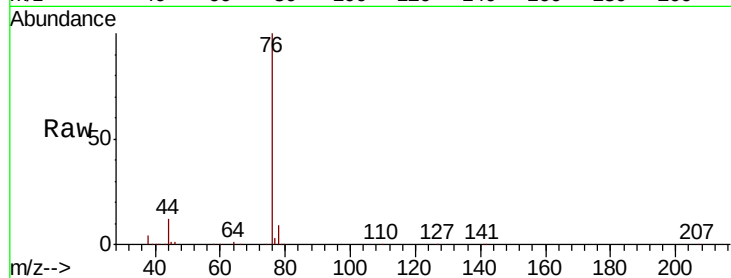




#17
Carbon Disulfide
Concen: 48.807 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

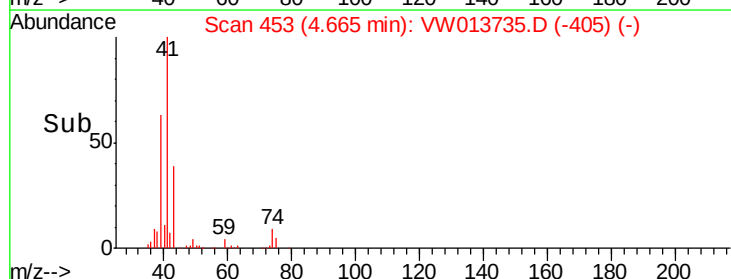
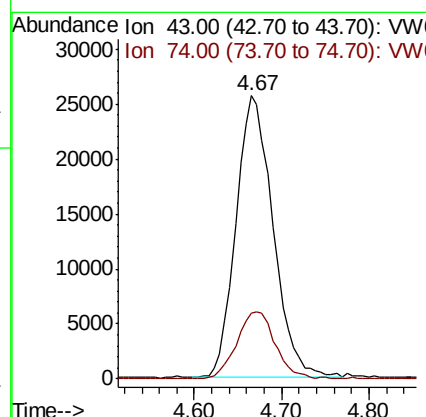
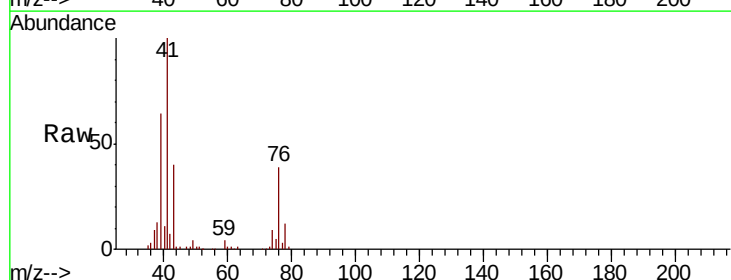
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

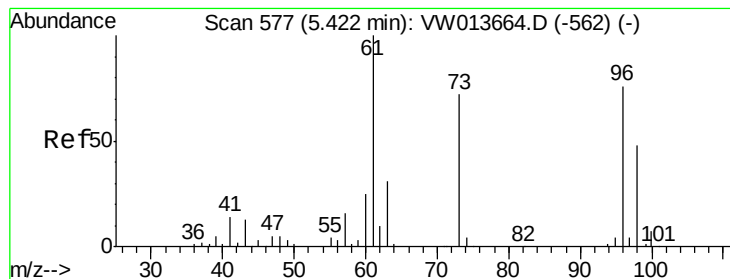
Tot Ion: 76 Resp: 372943
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 58.520 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion: 43 Resp: 75697
Ion Ratio Lower Upper
43 100
74 24.5 19.8 29.8



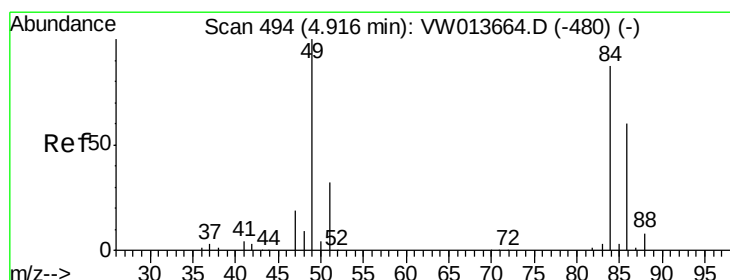
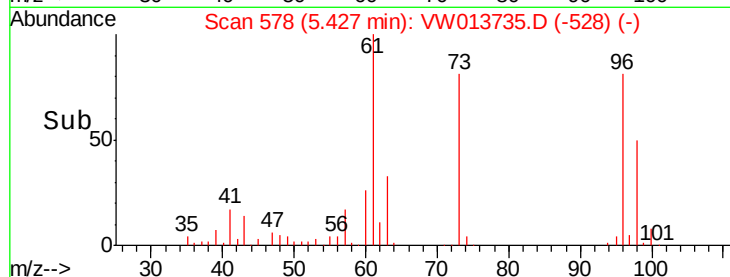
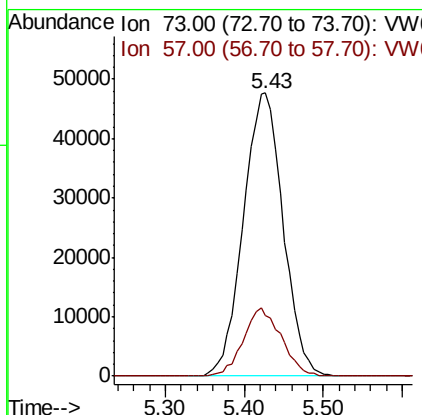
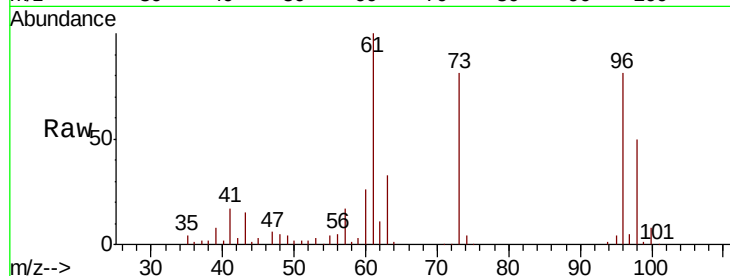


#19

Methyl tert-butyl Ether
 Concen: 52.244 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

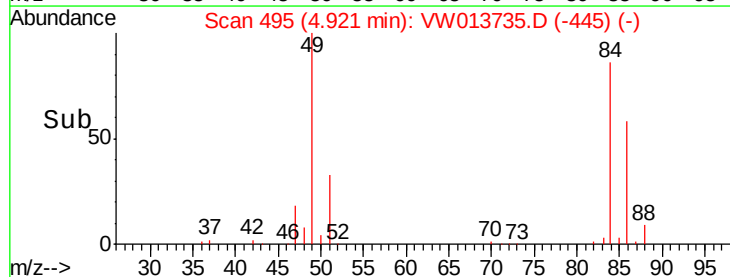
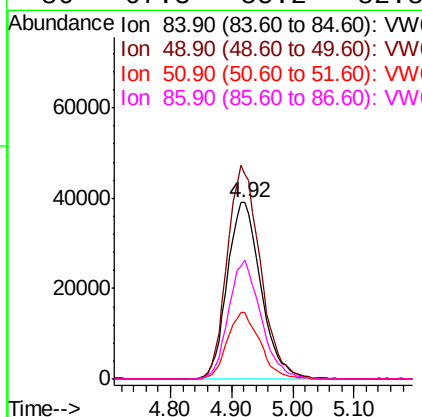
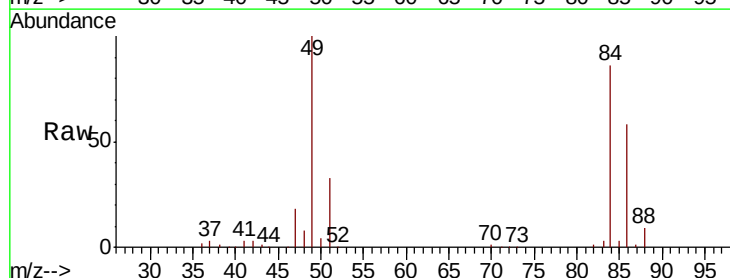
Tot Ion: 73 Resp: 166805
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.6 26.4

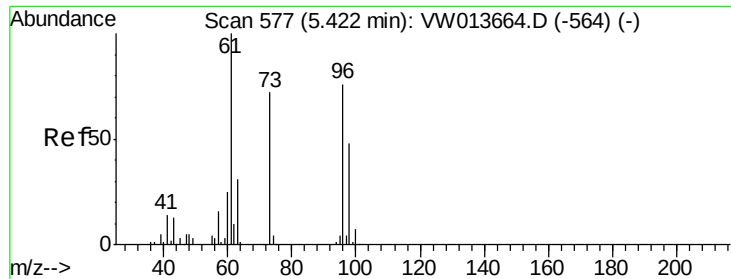


#20

Methylene Chloride
 Concen: 57.877 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Tgt Ion: 84 Resp: 148318
 Ion Ratio Lower Upper
 84 100
 49 115.8 91.8 137.6
 51 37.9 29.8 44.6
 86 67.3 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 50.570 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

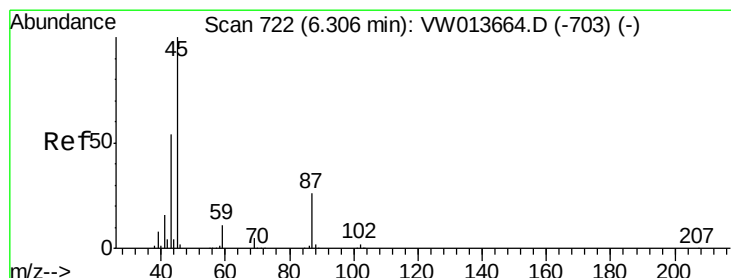
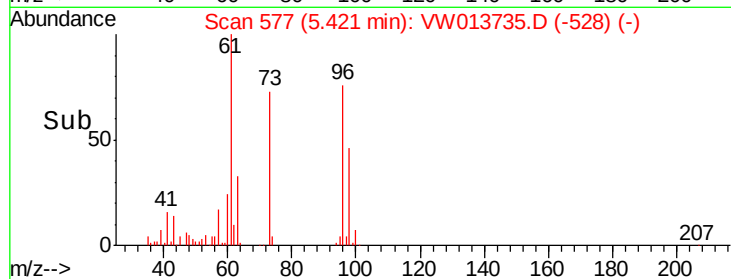
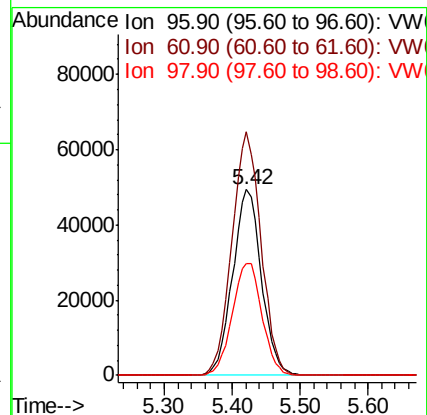
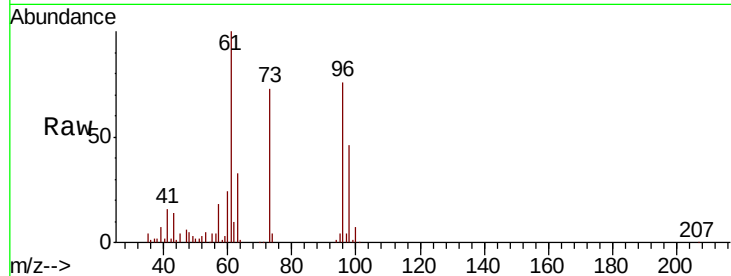
Tot Ion: 96 Resp: 144815

Ion Ratio Lower Upper

96 100

61 131.3 104.8 157.2

98 60.1 50.6 76.0



#22

Diisopropyl ether

Concen: 53.081 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Tgt Ion: 45 Resp: 396130

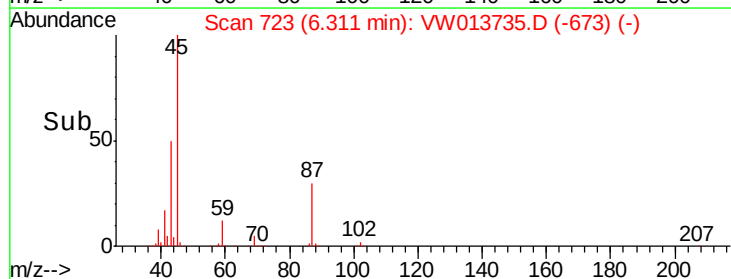
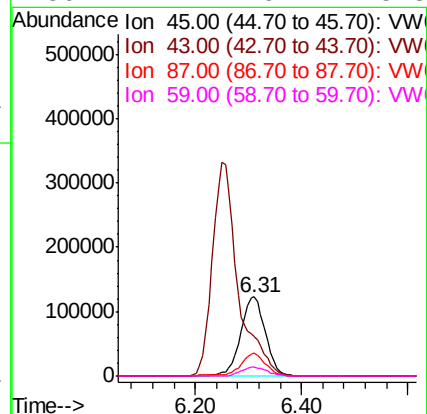
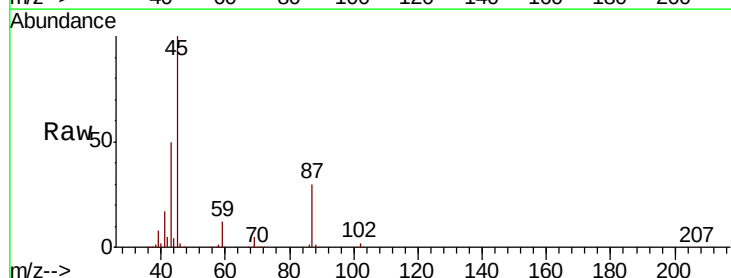
Ion Ratio Lower Upper

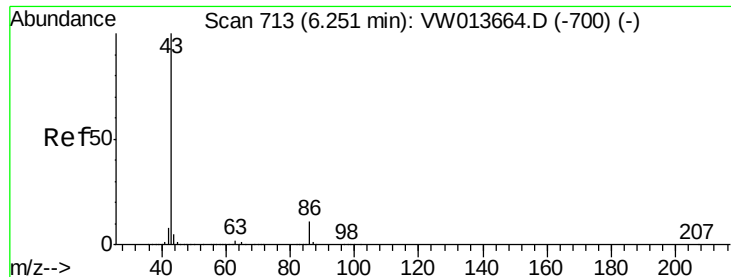
45 100

43 49.8 43.4 65.2

87 29.7 21.5 32.3

59 11.7 9.2 13.8





#23

Vinyl Acetate

Concen: 255.348 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

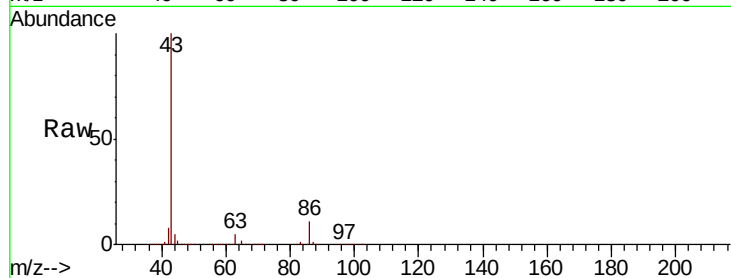
VSTDCCC050EC

Tot Ion: 43 Resp: 1105704

Ion Ratio Lower Upper

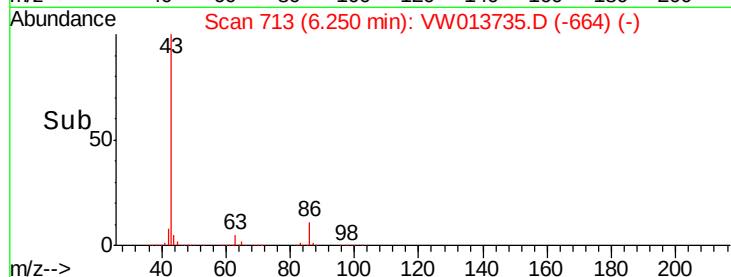
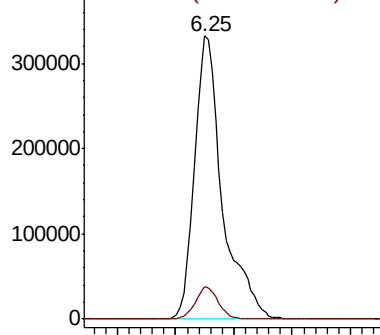
43 100

86 11.3 9.0 13.6

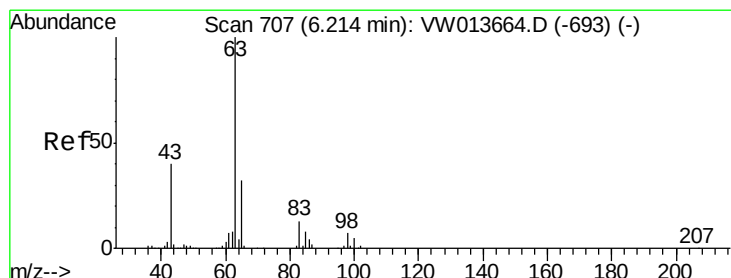


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 51.370 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

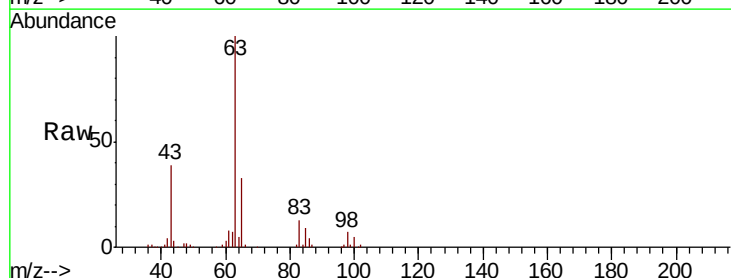
Tgt Ion: 63 Resp: 242792

Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

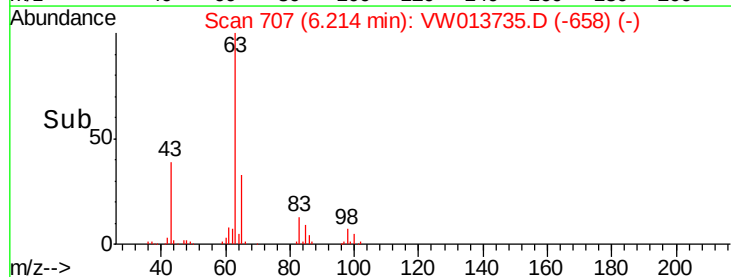
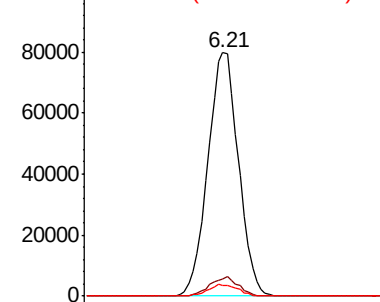
100 4.6 2.5 7.4



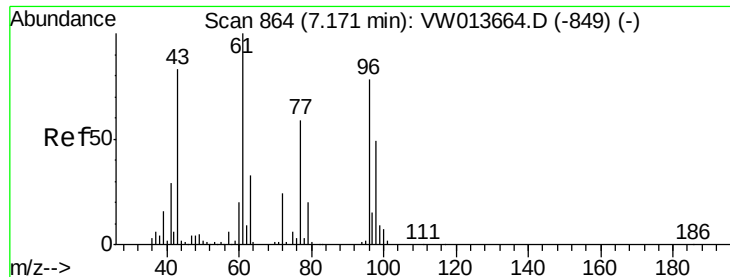
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->



#25

2-Butanone

Concen: 257.232 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

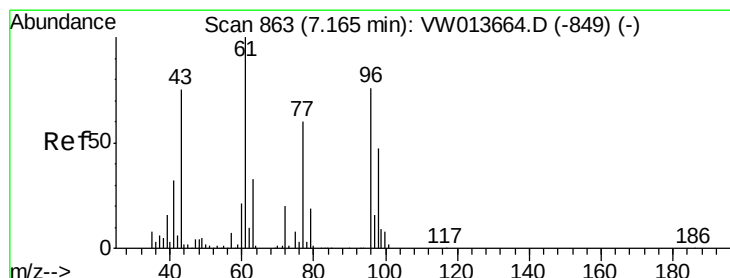
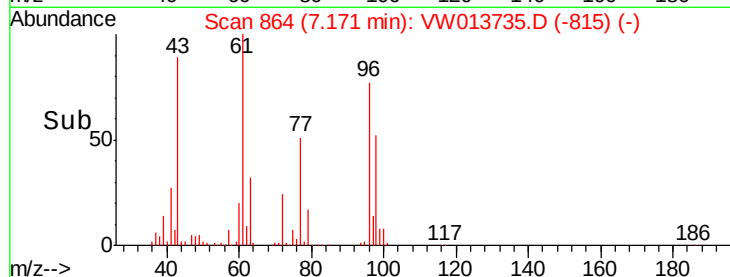
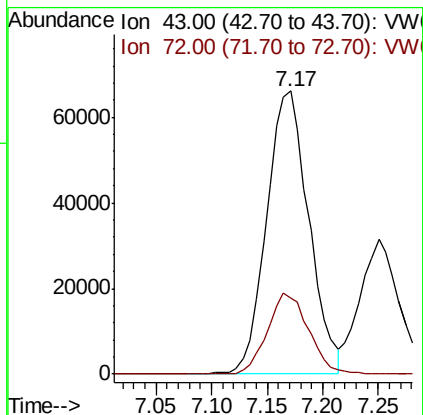
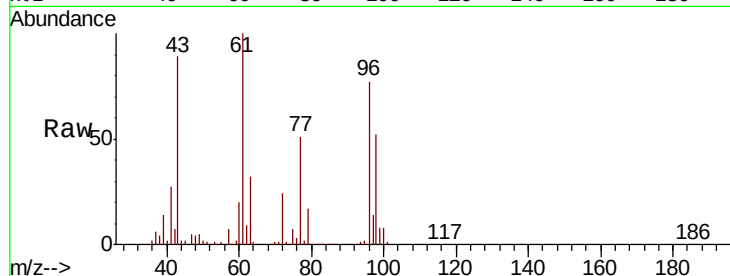
VSTDCCC050EC

Tot Ion: 43 Resp: 174508

Ion Ratio Lower Upper

43 100

72 26.7 23.6 35.4



#26

2,2-Dichloropropane

Concen: 43.627 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013735.D

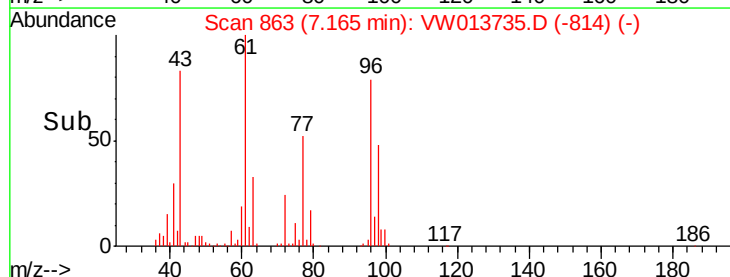
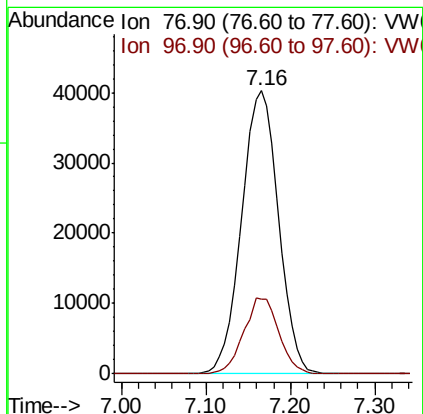
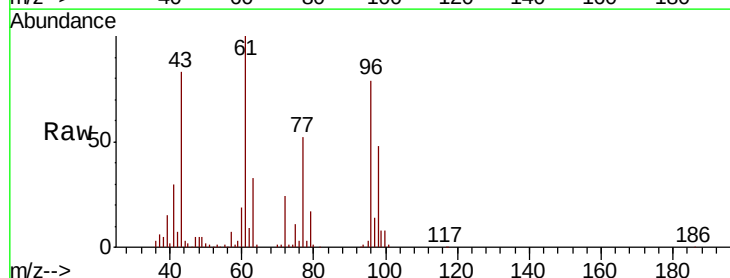
Acq: 25 Oct 2019 01:49

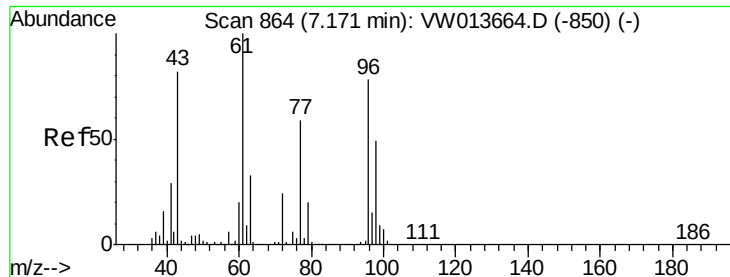
Tgt Ion: 77 Resp: 119234

Ion Ratio Lower Upper

77 100

97 25.5 12.8 38.4



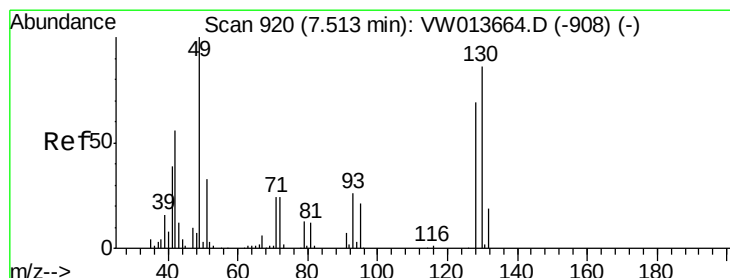
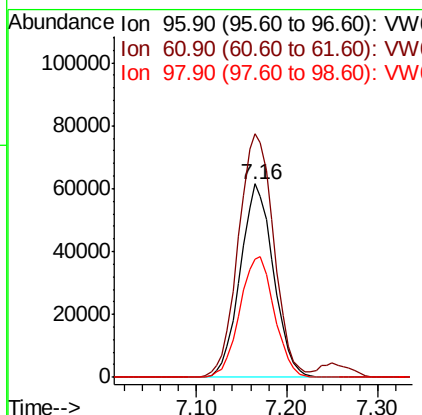
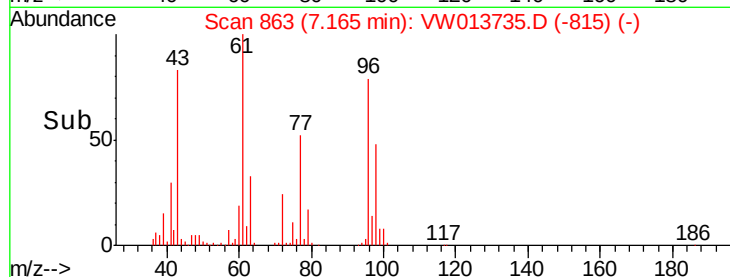
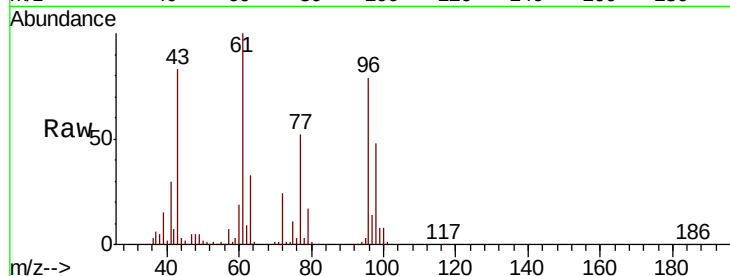


#27

cis-1,2-Dichloroethene
Concen: 51.493 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

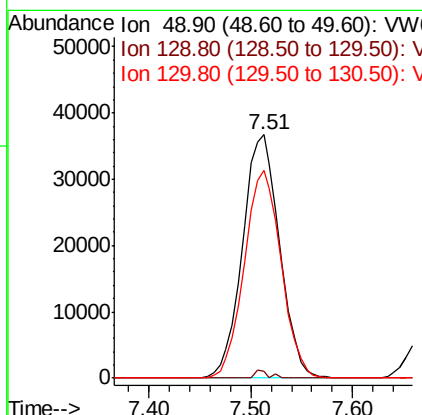
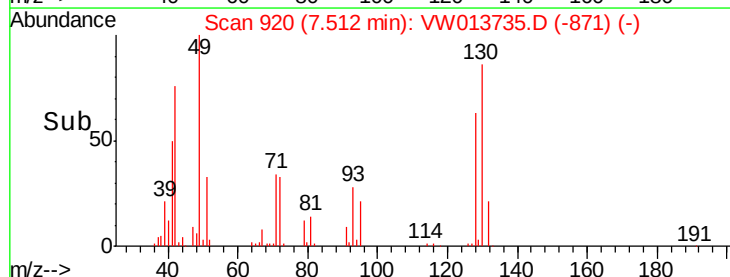
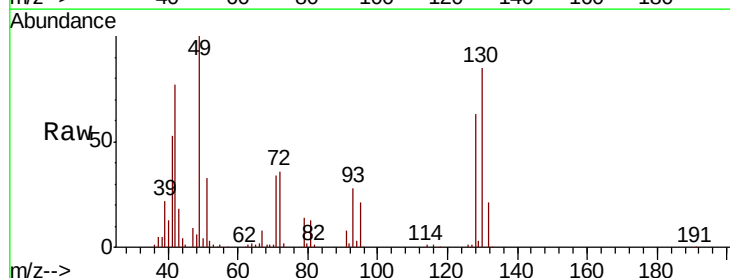
Tot Ion: 96 Resp: 156622
Ion Ratio Lower Upper
96 100
61 133.4 0.0 266.0
98 64.7 0.0 126.8

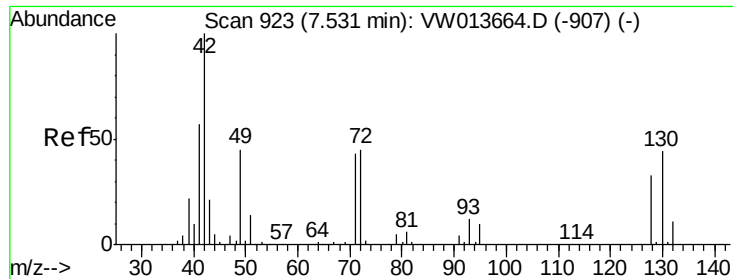


#28

Bromochloromethane
Concen: 54.906 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion: 49 Resp: 92685
Ion Ratio Lower Upper
49 100
129 1.1 0.0 0.6#
130 85.0 67.5 101.3

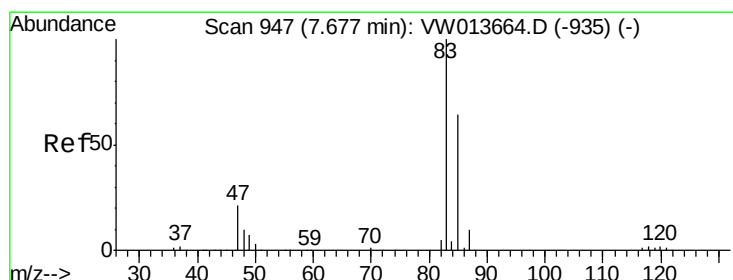
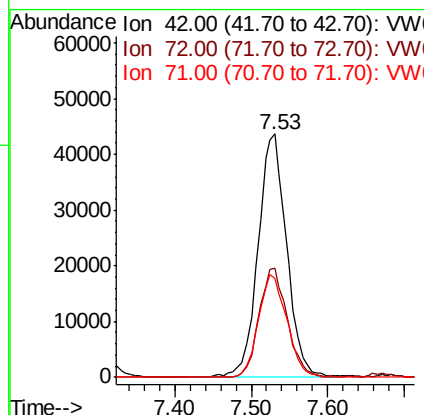
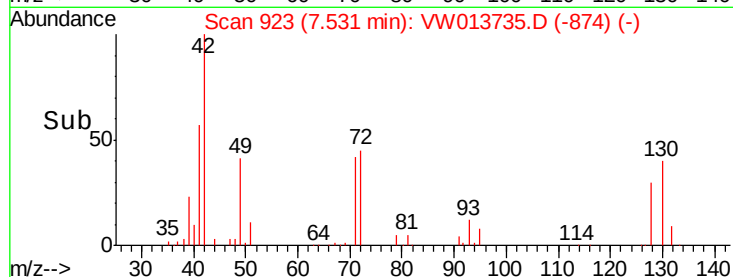
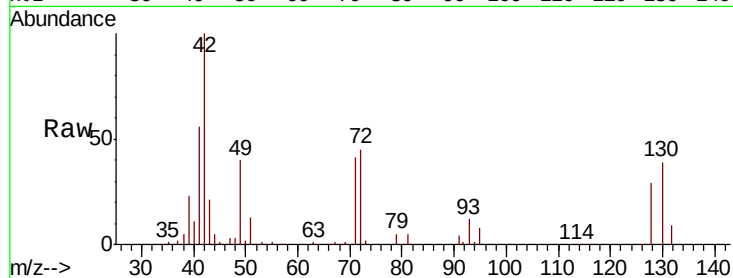




#29
Tetrahydrofuran
Concen: 271.707 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

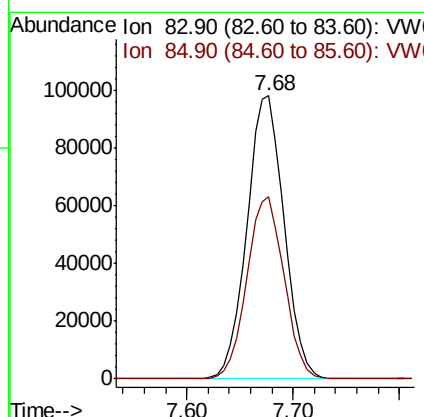
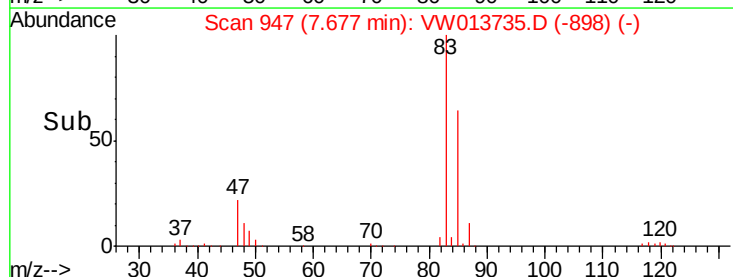
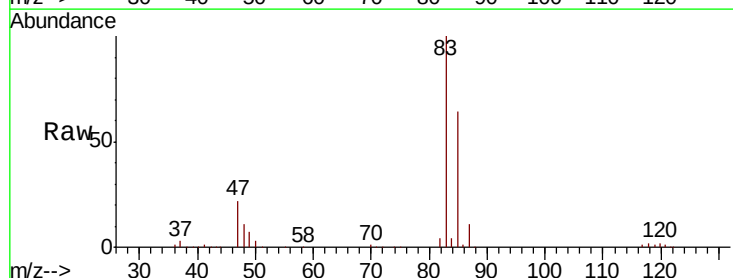
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

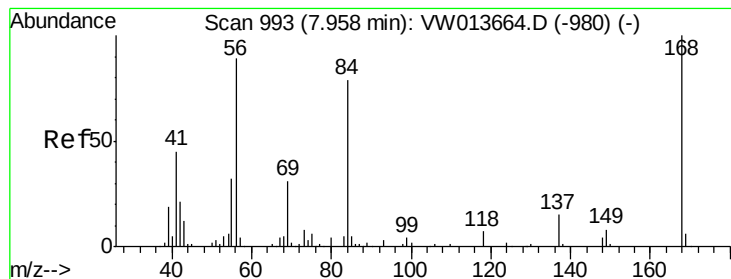
Tot Ion: 42 Resp: 114118
Ion Ratio Lower Upper
42 100
72 44.0 35.3 52.9
71 42.0 33.3 49.9



#30
Chloroform
Concen: 51.573 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion: 83 Resp: 240960
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.2





#31

Cyclohexane

Concen: 43.910 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

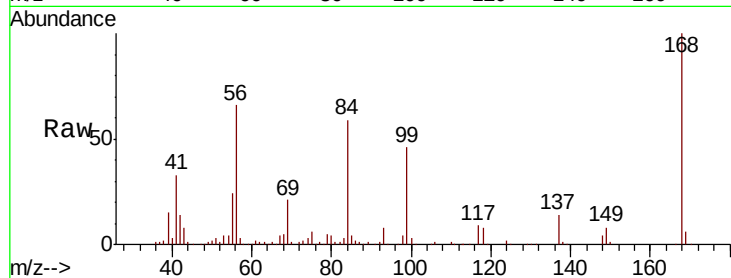
Tot Ion: 56 Resp: 217188

Ion Ratio Lower Upper

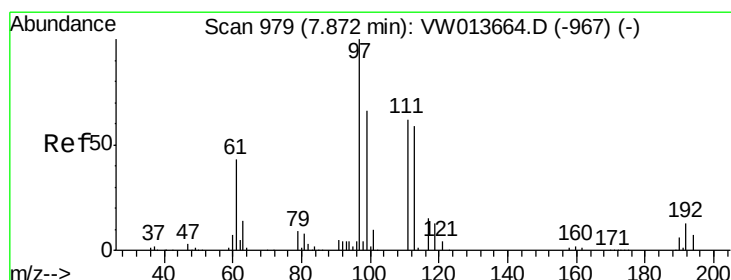
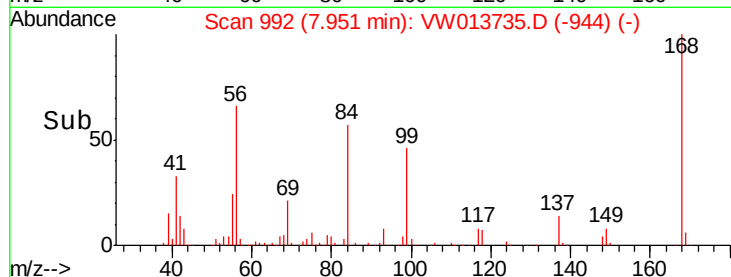
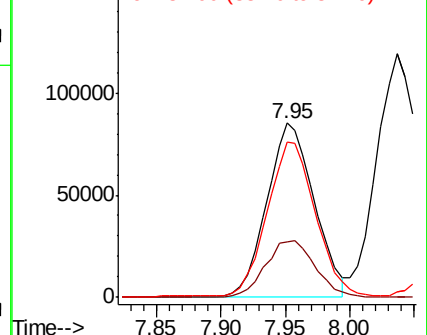
56 100

69 32.0 27.5 41.3

84 88.0 70.8 106.2



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 49.695 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

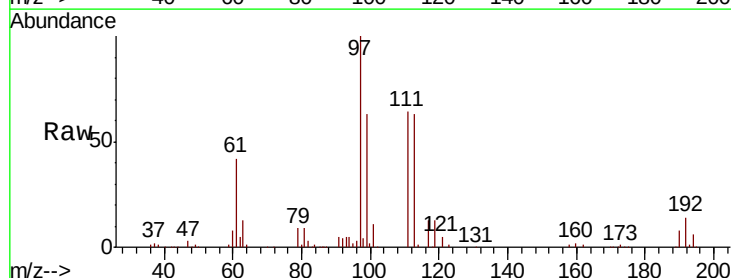
Tgt Ion: 97 Resp: 182202

Ion Ratio Lower Upper

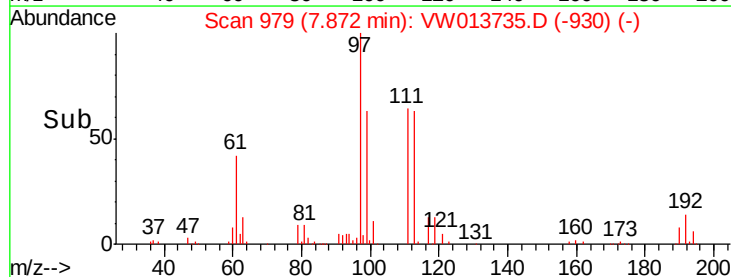
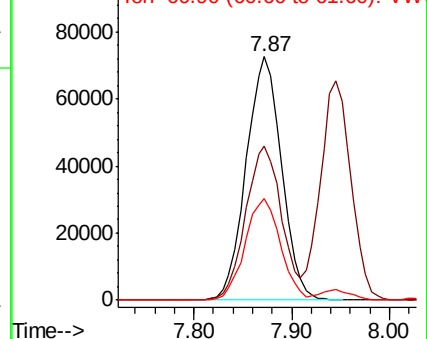
97 100

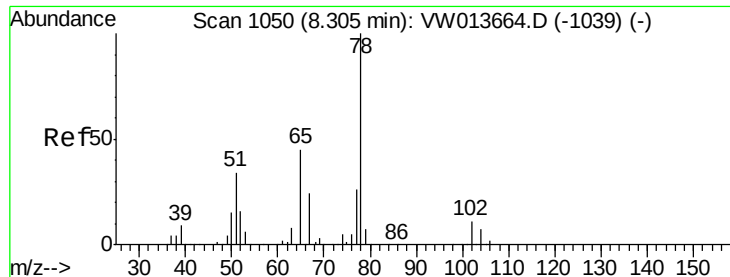
99 64.1 52.0 78.0

61 41.7 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

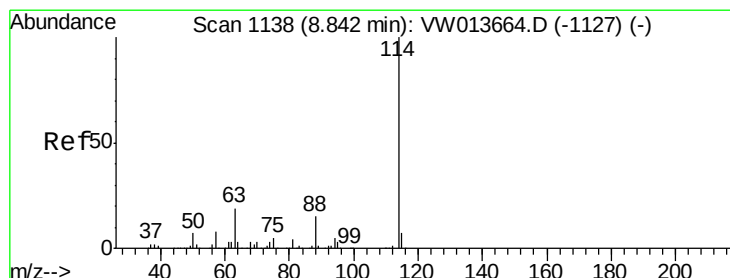
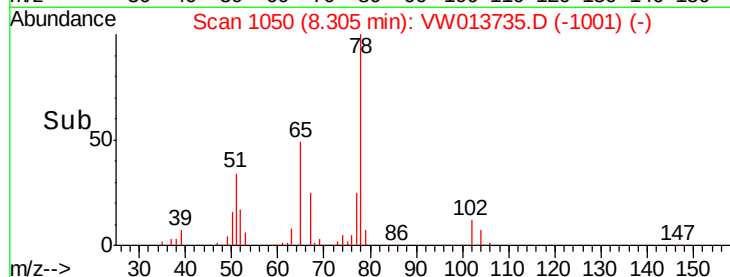
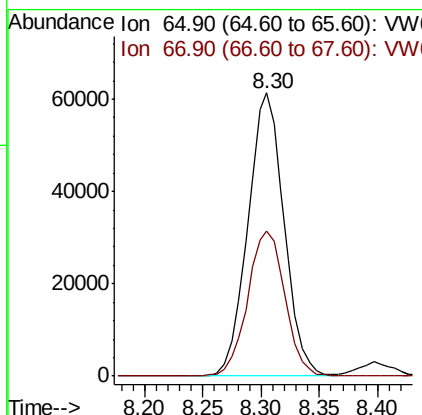
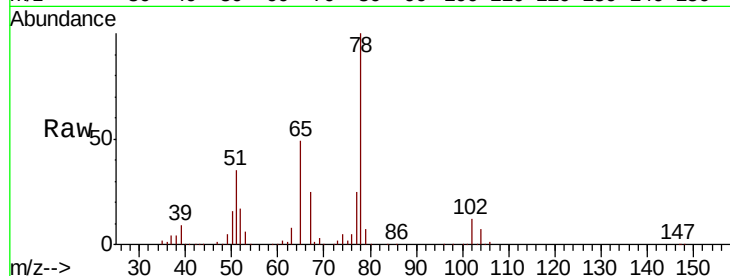




#33
 1,2-Dichloroethane-d4
 Concen: 59.619 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

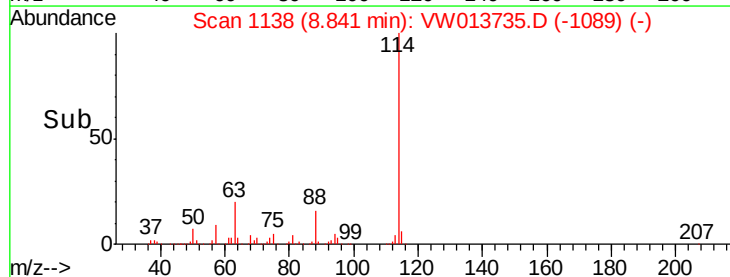
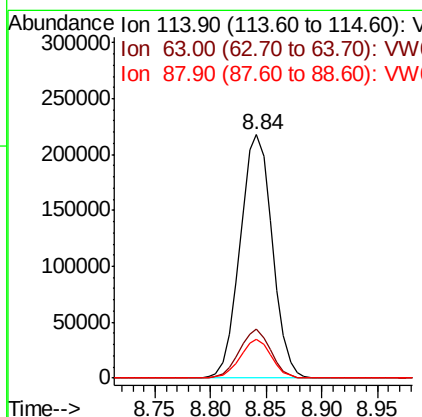
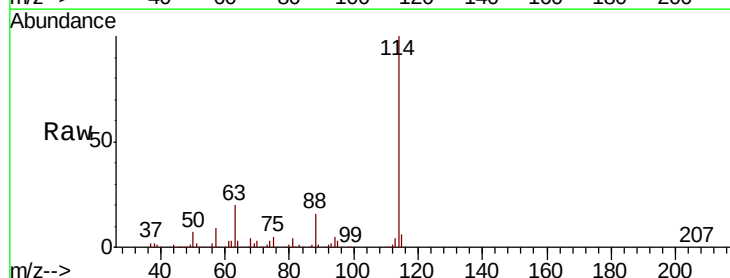
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

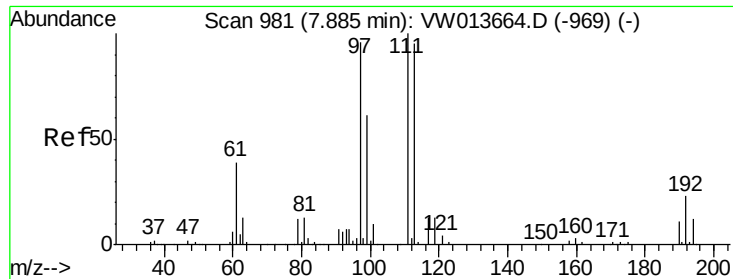
Tot Ion: 65 Resp: 132682
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Tgt Ion: 114 Resp: 437727
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 37.6
 88 15.9 0.0 30.2

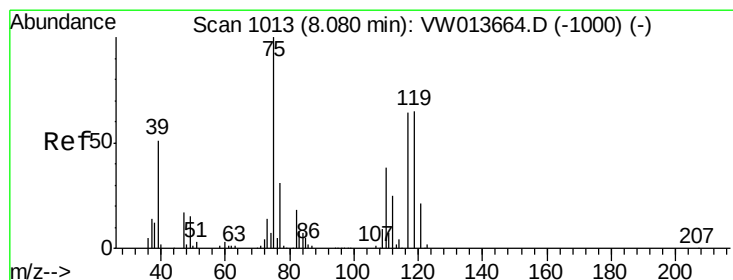
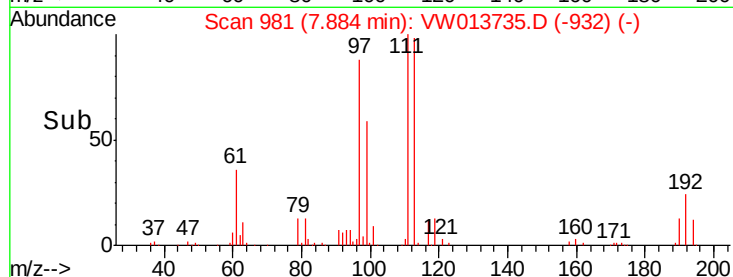
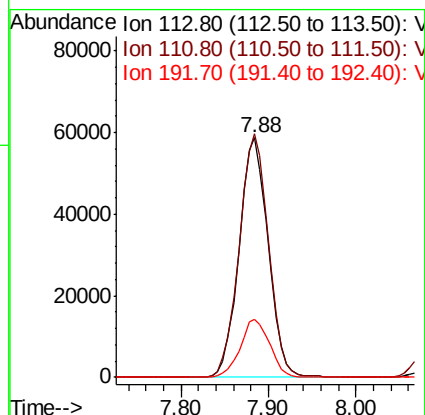
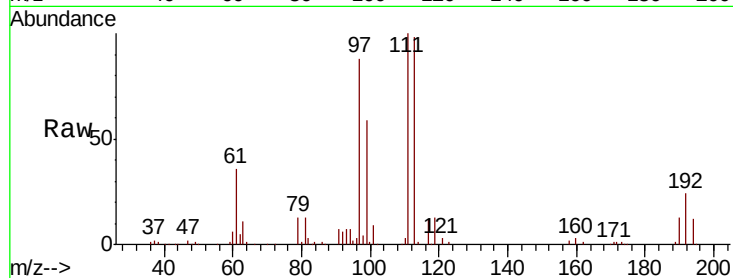




#35
 Dibromofluoromethane
 Concen: 55.748 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

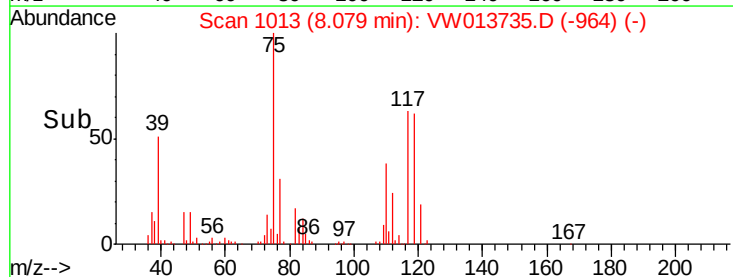
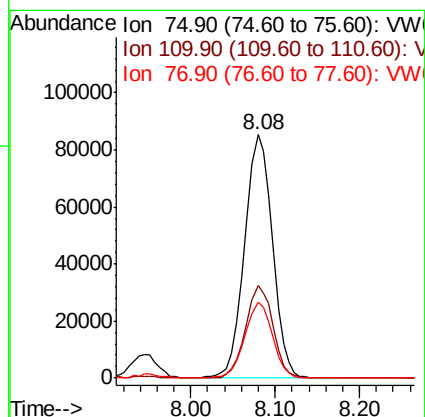
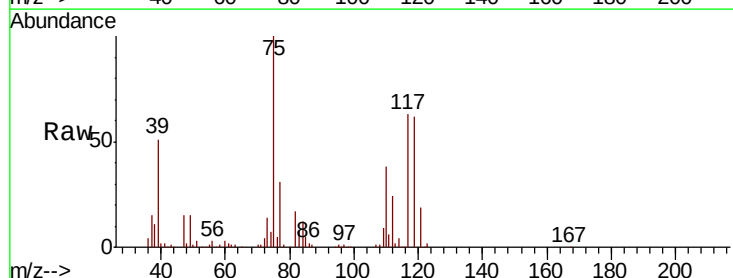
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

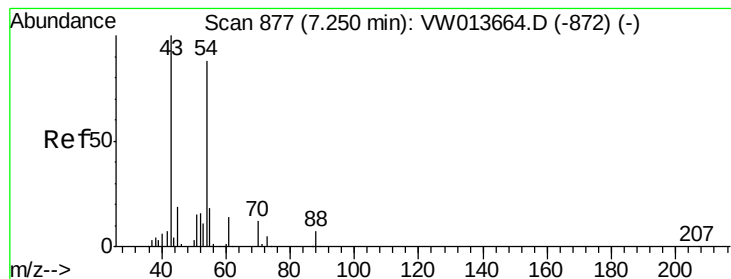
Tot Ion:113 Resp: 135593
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.0 124.6
 192 24.4 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 46.601 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Tgt Ion: 75 Resp: 189972
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.7 56.1
 77 31.3 25.4 38.0





#37

Ethyl Acetate

Concen: 51.026 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

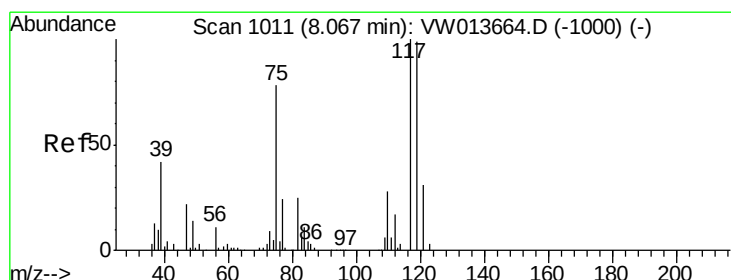
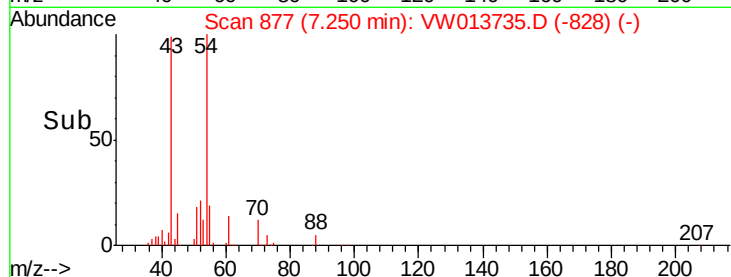
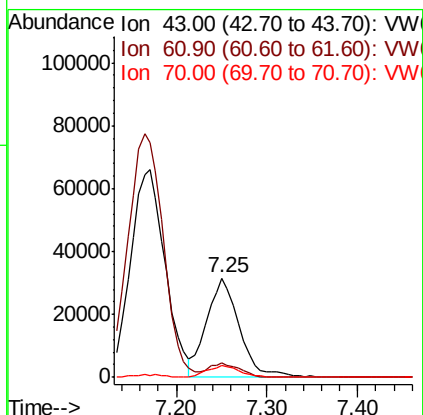
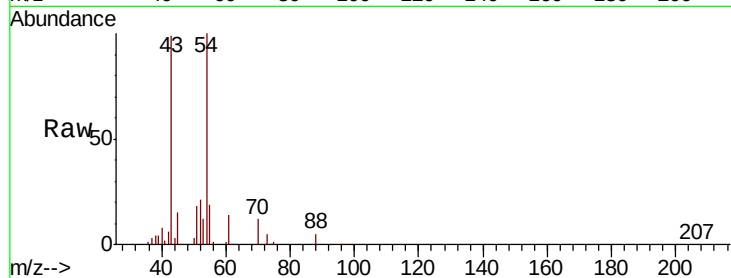
Tot Ion: 43 Resp: 79627

Ion Ratio Lower Upper

43 100

61 13.7 11.7 17.5

70 11.6 8.8 13.2



#38

Carbon Tetrachloride

Concen: 47.587 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

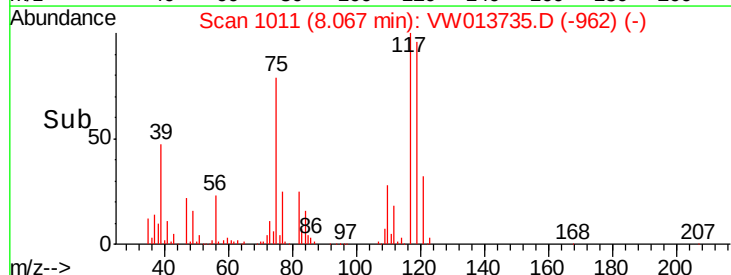
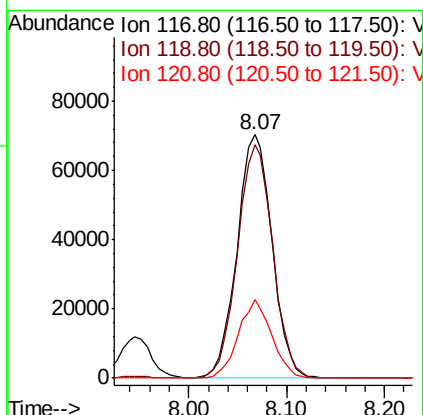
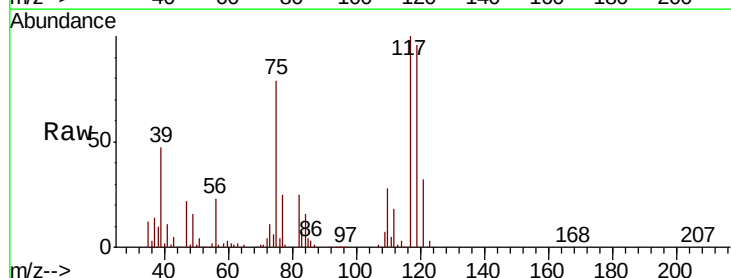
Tgt Ion: 117 Resp: 174690

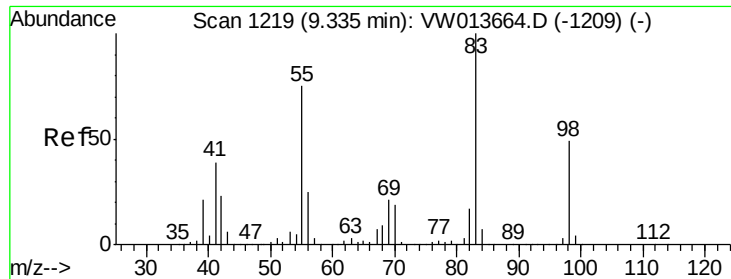
Ion Ratio Lower Upper

117 100

119 95.6 79.0 118.4

121 32.1 24.5 36.7

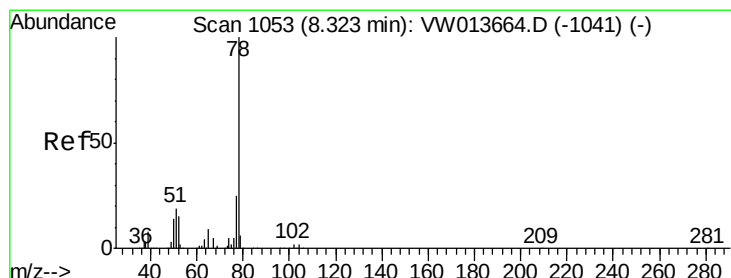
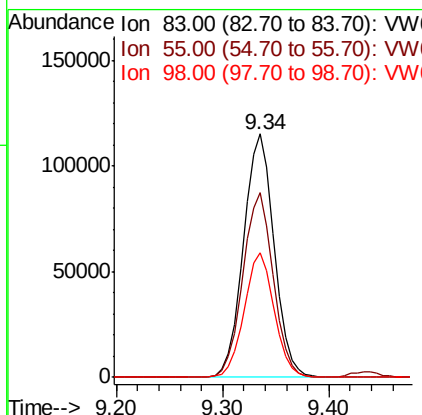
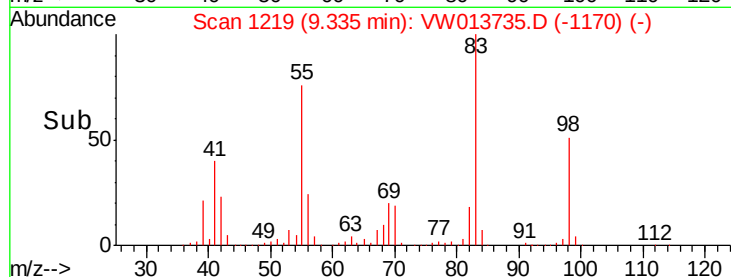
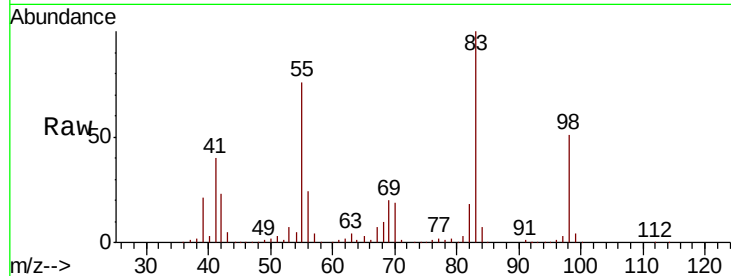




#39
Methylvlcyclohexane
Concen: 44.276 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

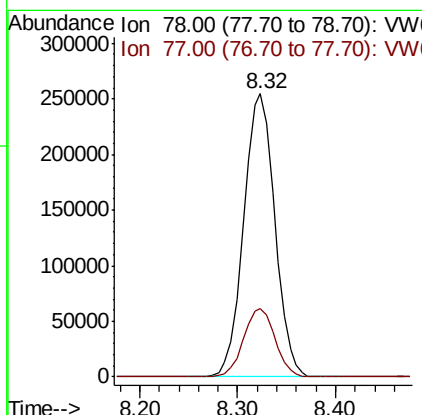
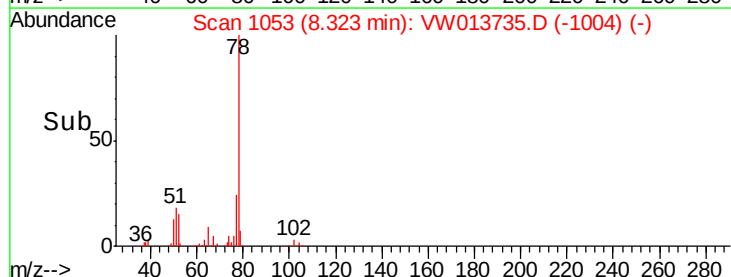
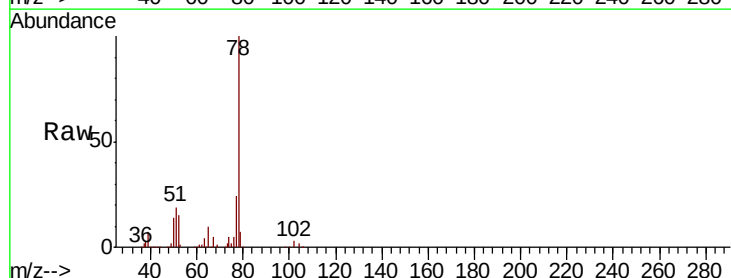
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

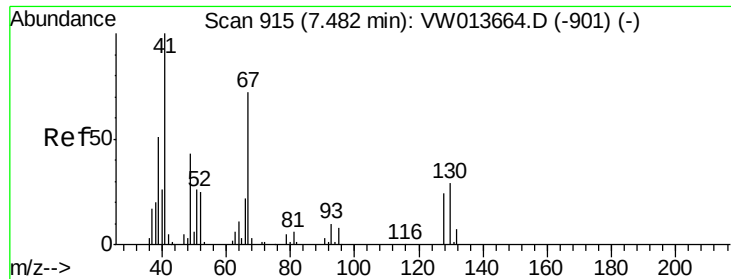
Tot Ion: 83 Resp: 233093
Ion Ratio Lower Upper
83 100
55 75.7 59.9 89.9
98 51.0 39.4 59.2



#40
Benzene
Concen: 48.625 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion: 78 Resp: 560977
Ion Ratio Lower Upper
78 100
77 24.2 19.6 29.4

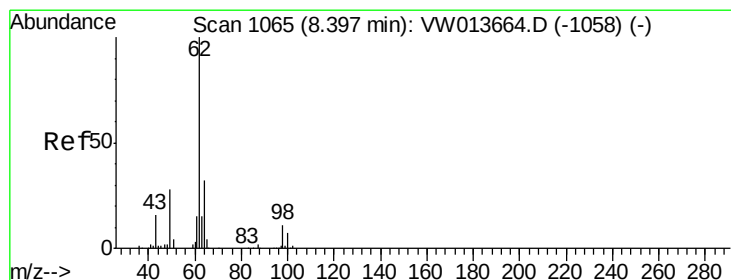
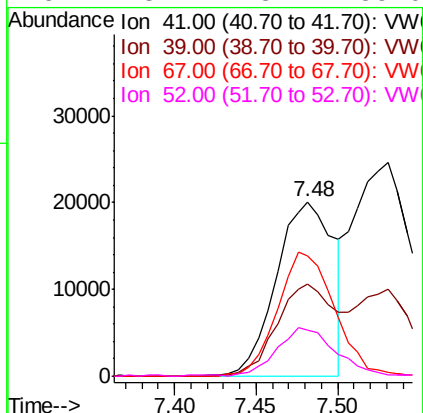
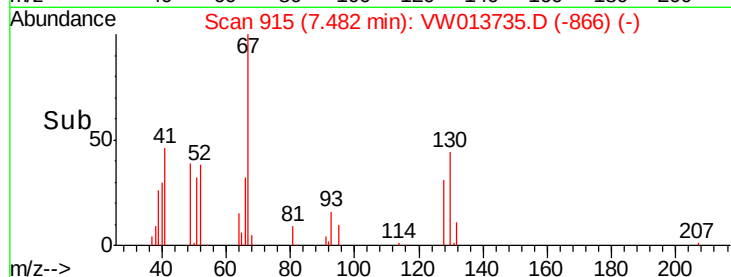
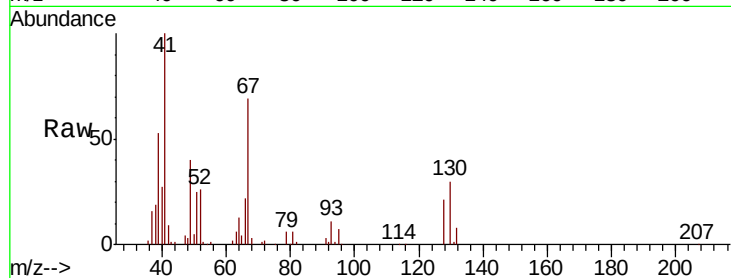




#41
Methacrylonitrile
Concen: 50.530 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

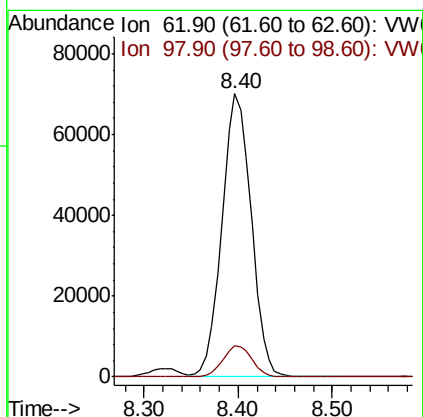
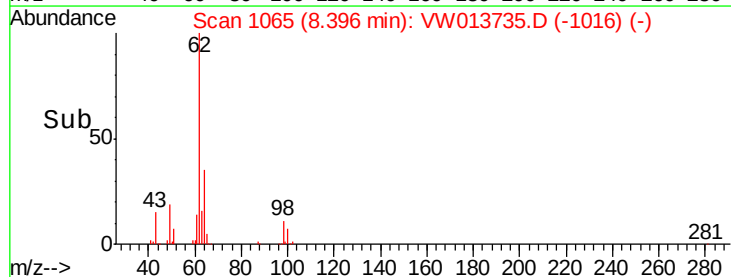
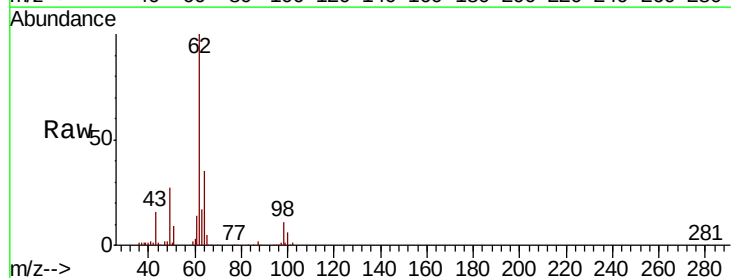
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

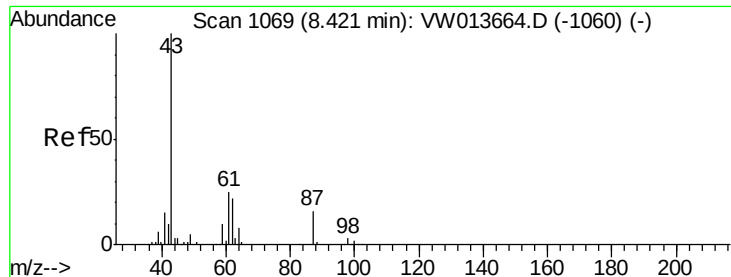
Tot Ion:	41	Resp:	49172
Ion	Ratio	Lower	Upper
41	100		
39	56.9	44.8	67.2
67	71.1	59.3	88.9
52	28.7	23.4	35.0



#42
1,2-Dichloroethane
Concen: 51.999 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion:	62	Resp:	151171
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.4





#43

Isopropyl Acetate

Concen: 50.827 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

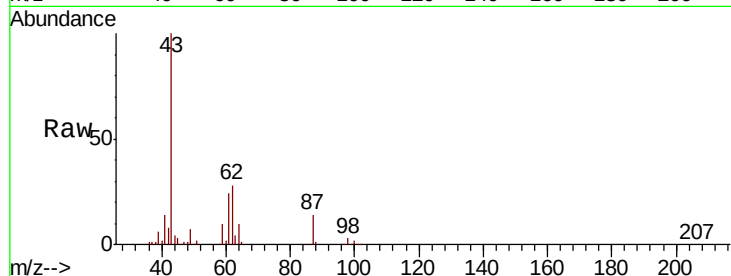
Tot Ion: 43 Resp: 151824

Ion Ratio Lower Upper

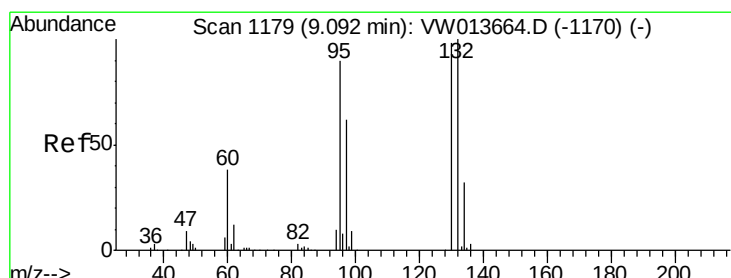
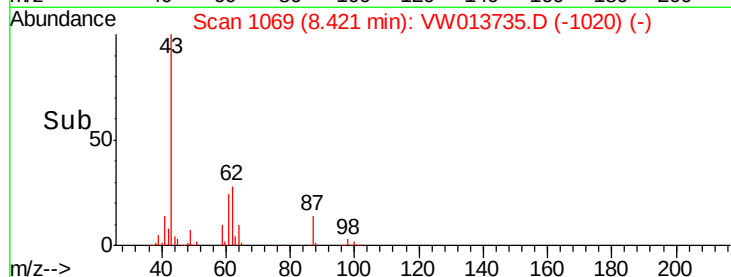
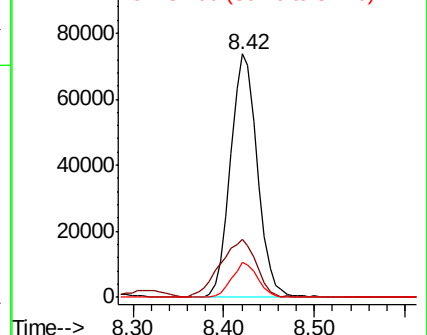
43 100

61 32.2 26.1 39.1

87 14.0 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 48.148 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013735.D

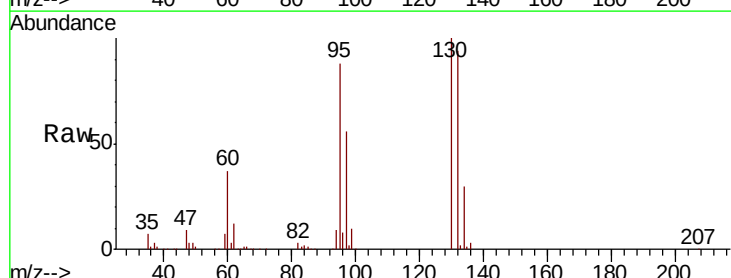
Acq: 25 Oct 2019 01:49

Tgt Ion:130 Resp: 159113

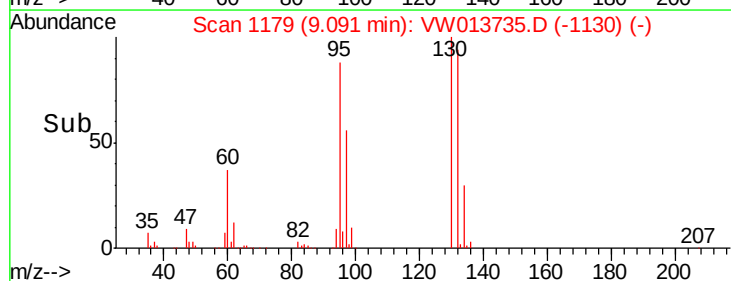
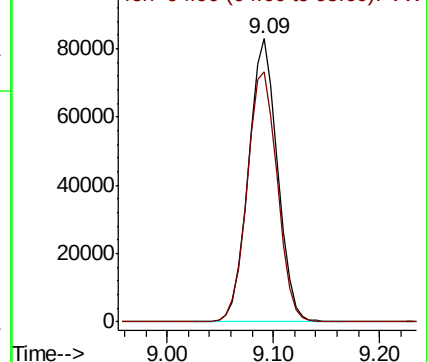
Ion Ratio Lower Upper

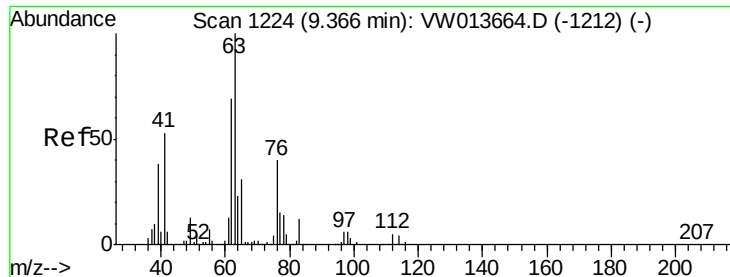
130 100

95 88.1 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

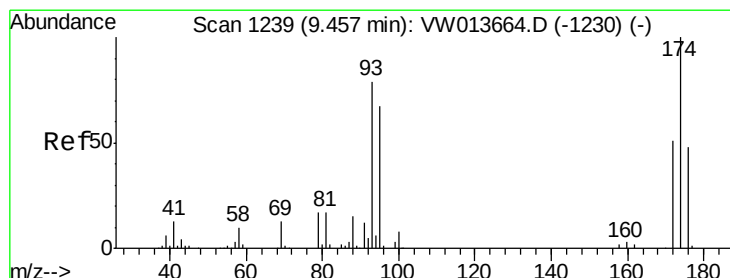
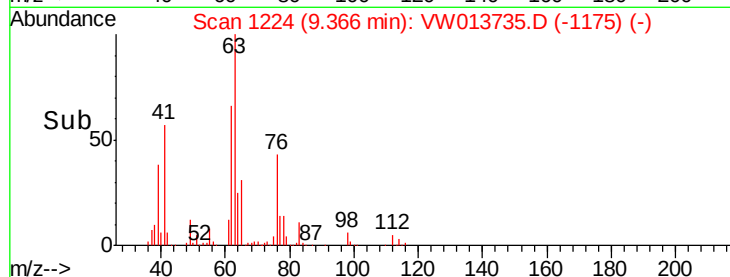
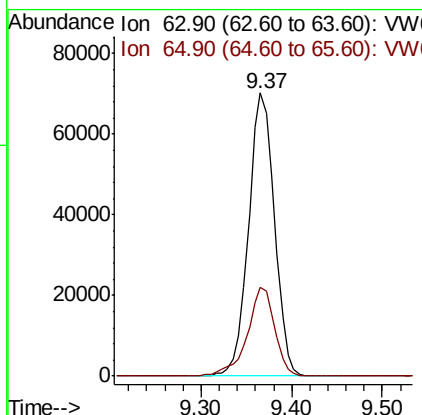
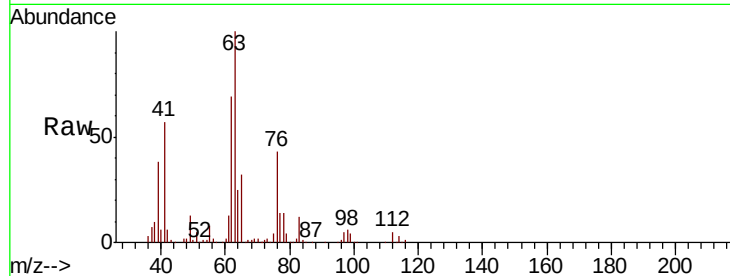




#45
 1,2-Dichloropropane
 Concen: 50.407 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

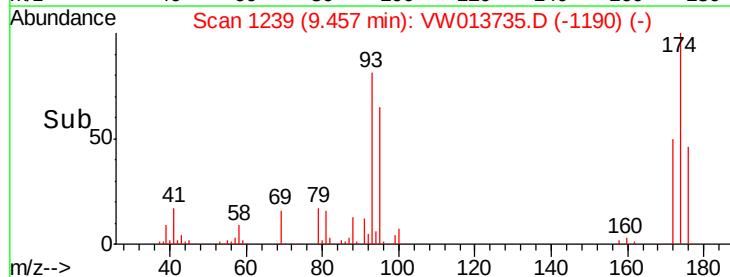
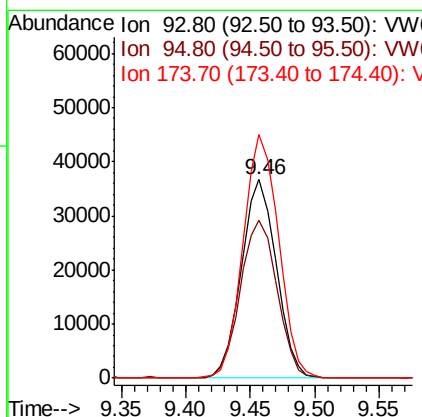
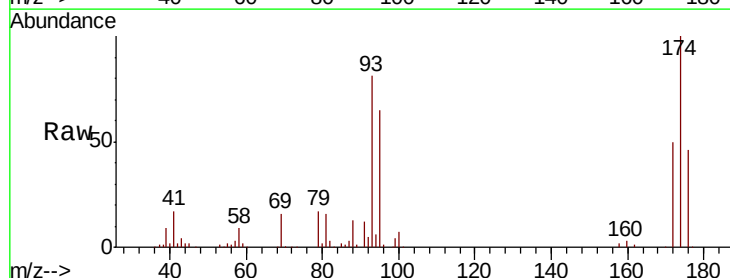
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

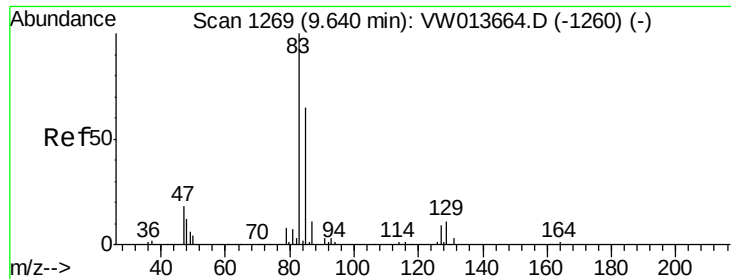
Tot Ion: 63 Resp: 138903
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.2 37.8



#46
 Dibromomethane
 Concen: 51.641 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Tgt Ion: 93 Resp: 69068
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.5 99.7
 174 124.3 99.6 149.4

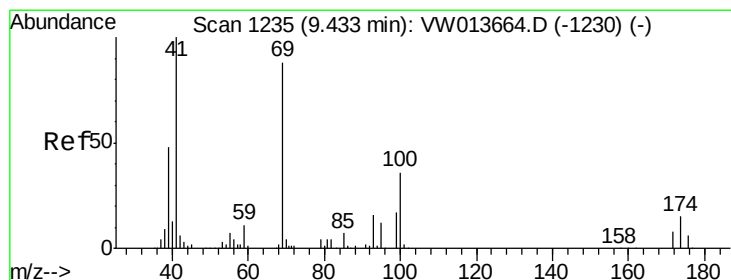
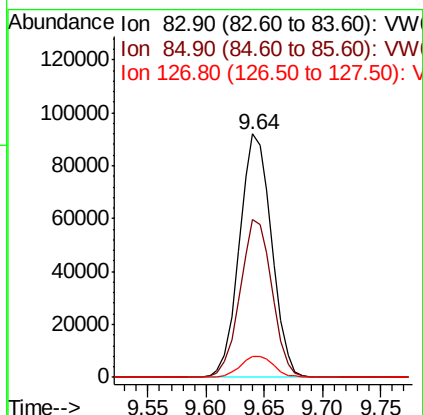
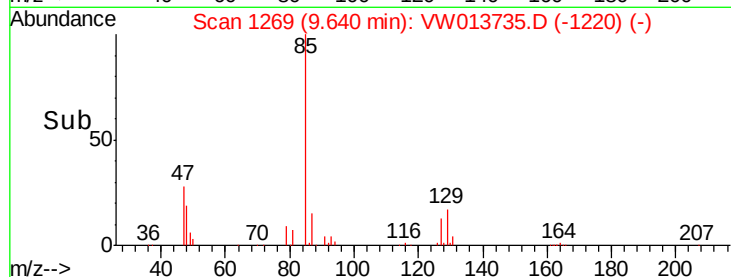
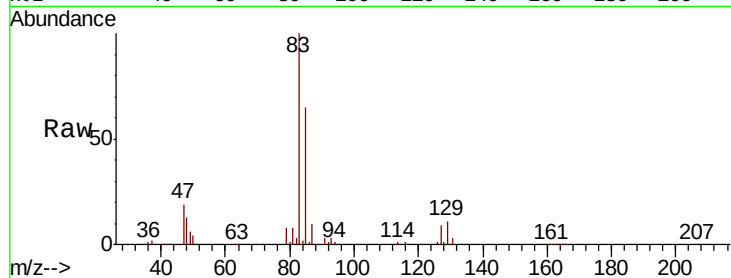




#47
 Bromodichloromethane
 Concen: 51.229 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

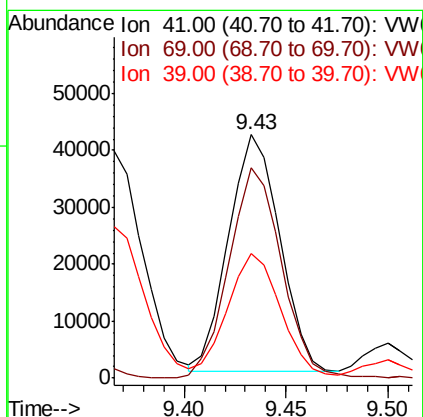
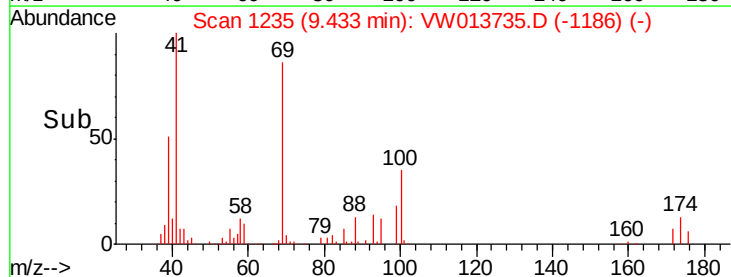
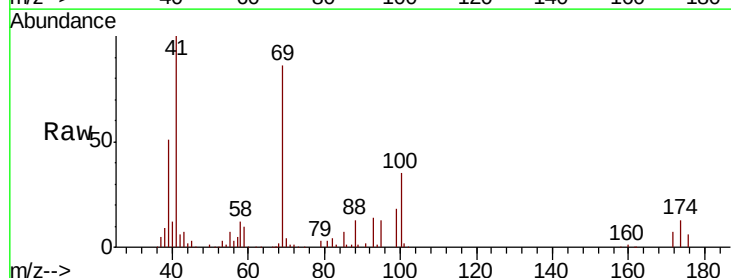
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

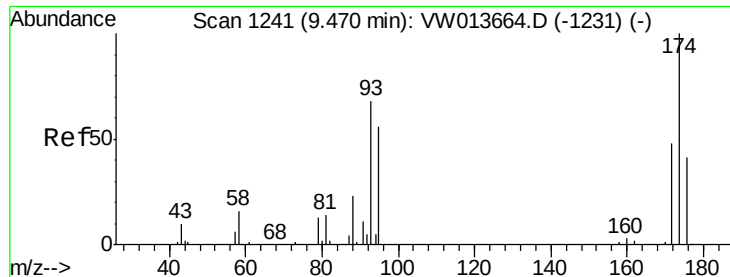
Tot Ion: 83 Resp: 177285
 Ion Ratio Lower Upper
 83 100
 85 65.0 51.8 77.6
 127 8.6 7.3 10.9



#48
 Methyl methacrylate
 Concen: 48.623 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Tgt Ion: 41 Resp: 72024
 Ion Ratio Lower Upper
 41 100
 69 92.4 67.6 101.4
 39 52.2 38.6 58.0





#49

1,4-Dioxane

Concen: 947.542 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

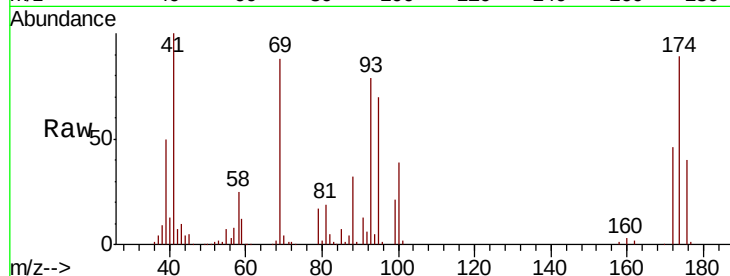
Tot Ion: 88 Resp: 18727

Ion Ratio Lower Upper

88 100

43 35.2 0.0 0.0#

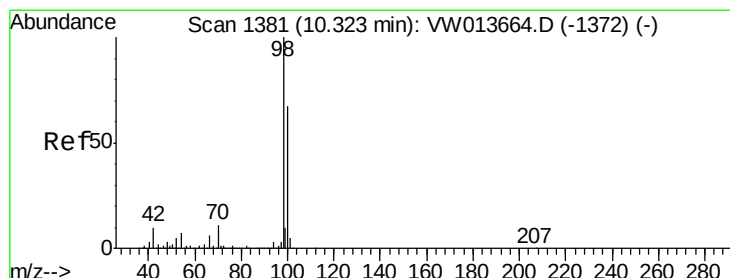
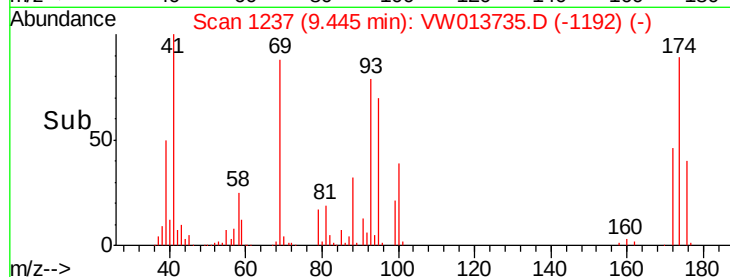
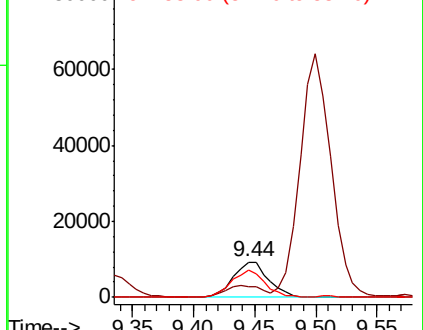
58 74.3 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 54.538 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013735.D

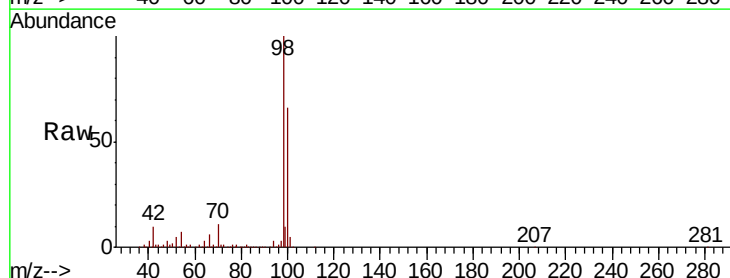
Acq: 25 Oct 2019 01:49

Tgt Ion: 98 Resp: 540516

Ion Ratio Lower Upper

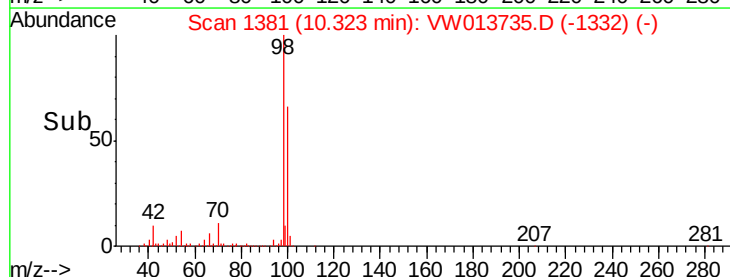
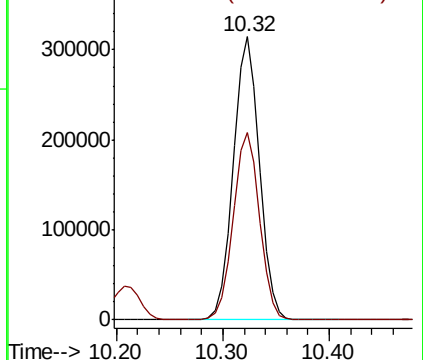
98 100

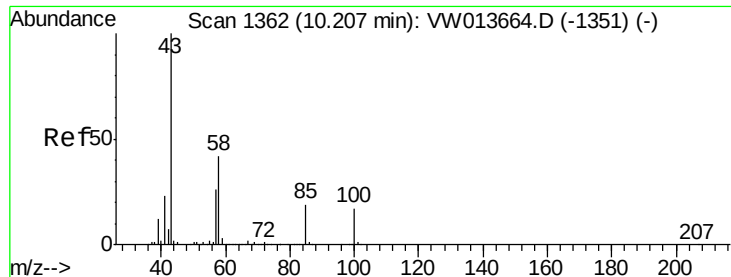
100 66.5 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

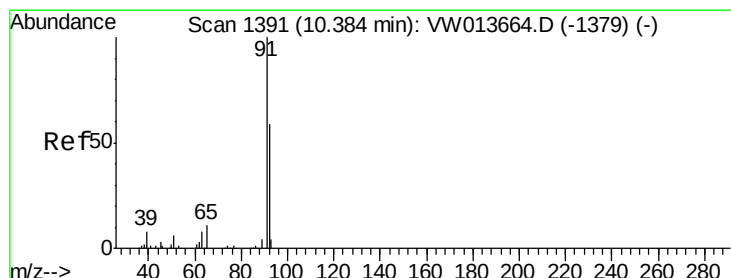
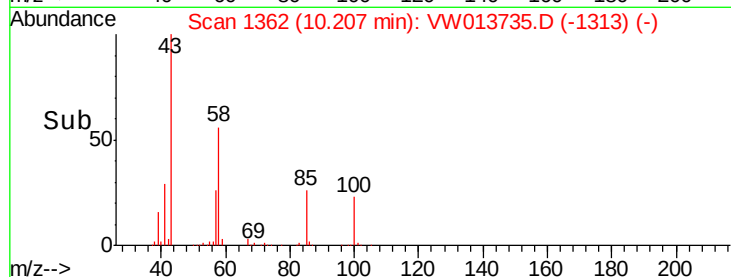
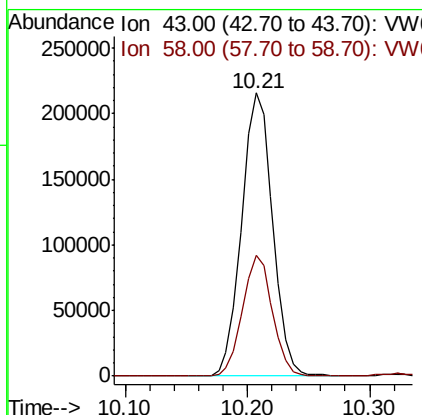
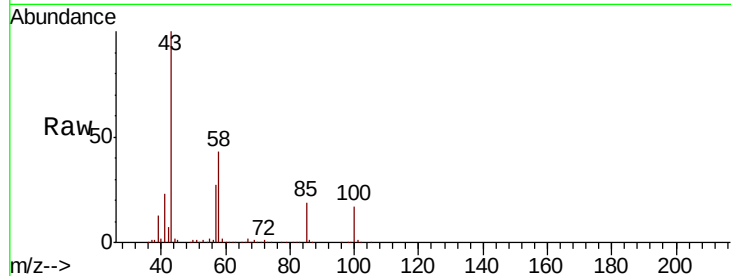




#51
 4-Methyl-2-Pentanone
 Concen: 255.857 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

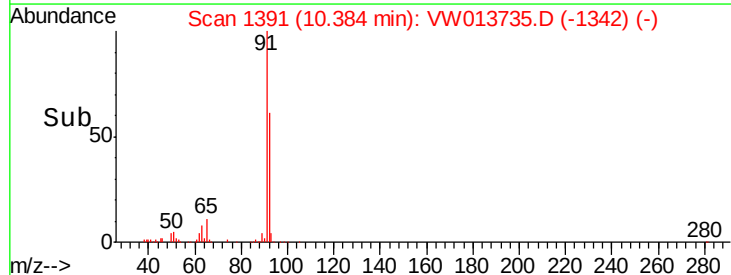
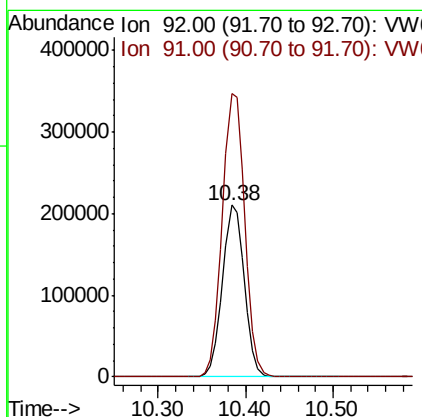
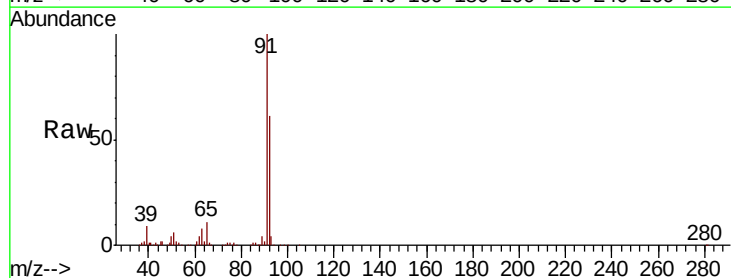
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

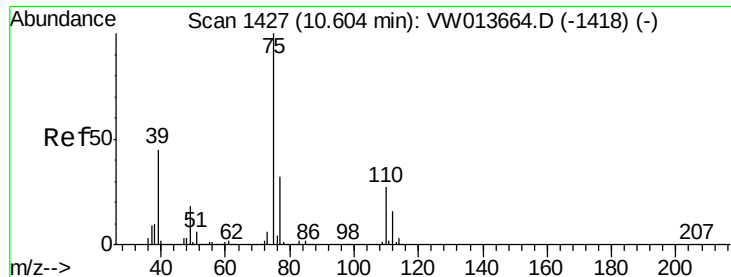
Tot Ion: 43 Resp: 379772
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.6 49.0



#52
 Toluene
 Concen: 48.924 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Tgt Ion: 92 Resp: 364075
 Ion Ratio Lower Upper
 92 100
 91 169.9 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 50.049 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

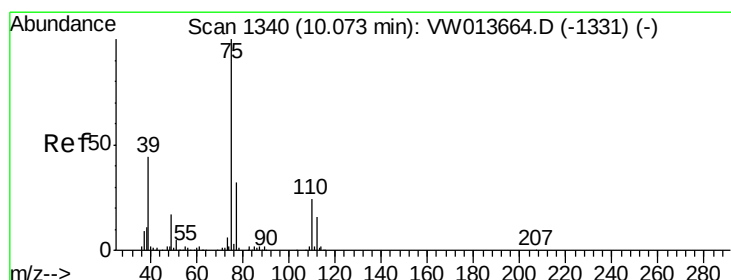
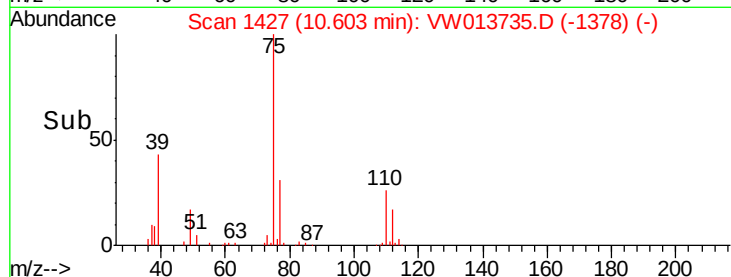
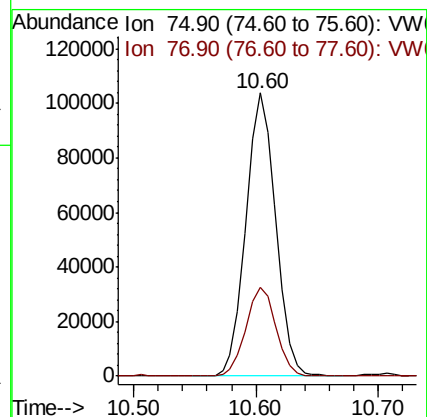
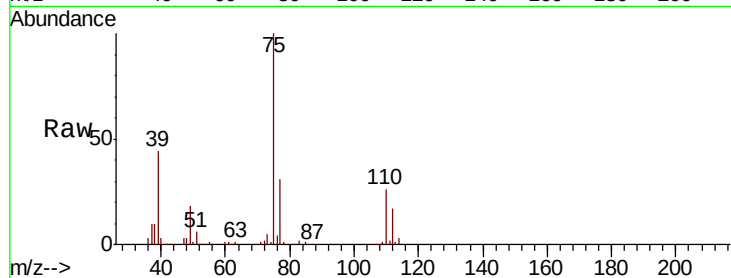
VSTDCCC050EC

Tot Ion: 75 Resp: 175335

Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 49.603 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

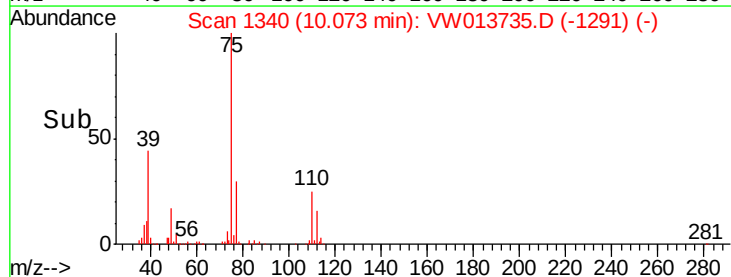
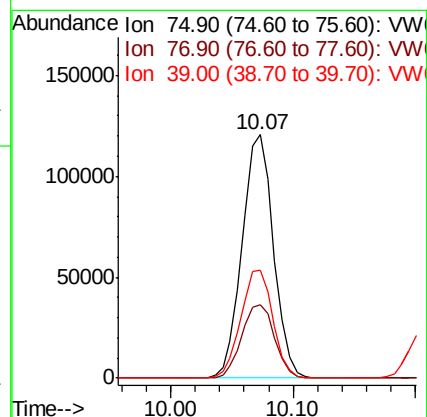
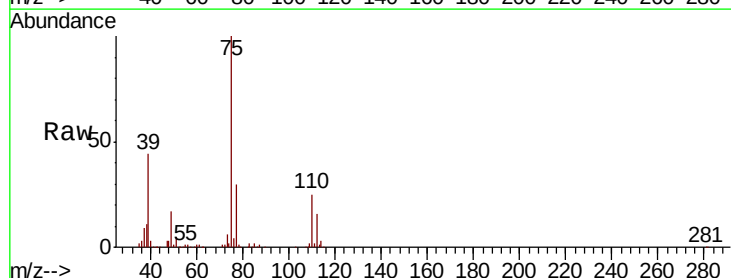
Tgt Ion: 75 Resp: 214394

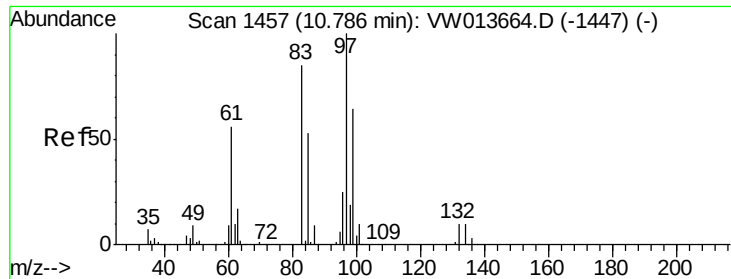
Ion Ratio Lower Upper

75 100

77 30.0 25.8 38.6

39 44.3 35.3 52.9

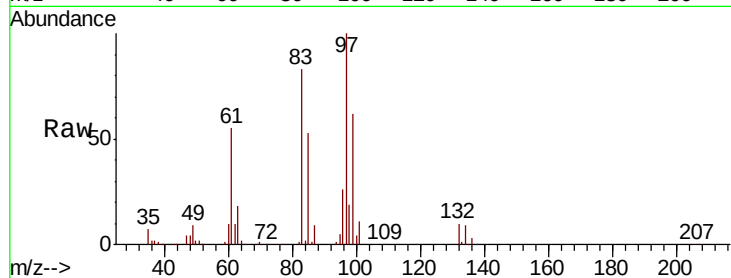




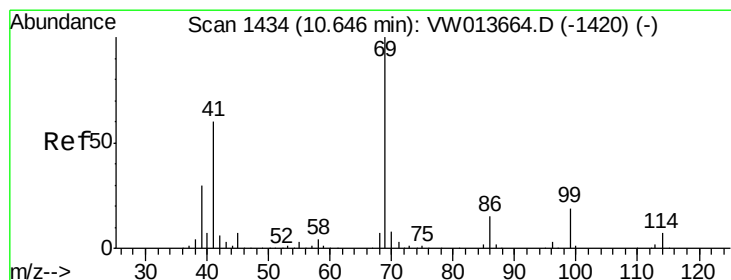
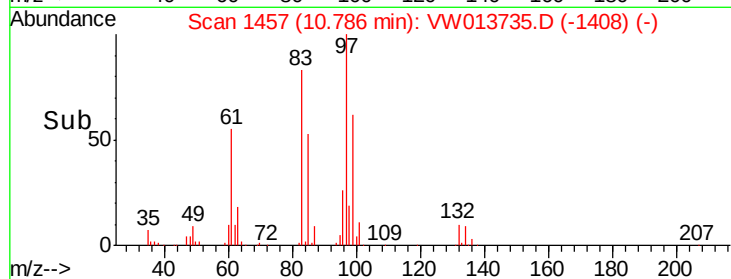
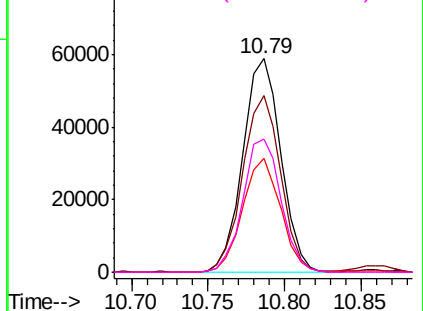
#55
 1,1,2-Trichloroethane
 Concen: 51.096 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 101849
 Ion Ratio Lower Upper
 97 100
 83 82.8 67.8 101.8
 85 53.1 42.1 63.1
 99 62.5 51.4 77.0

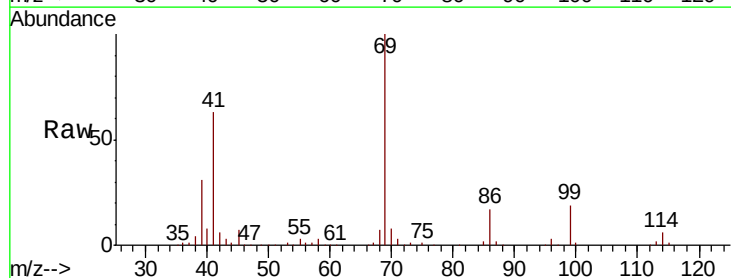


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

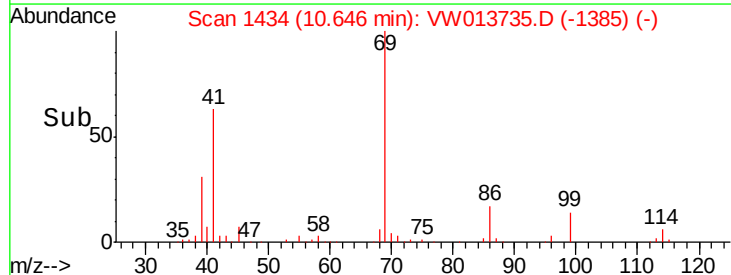
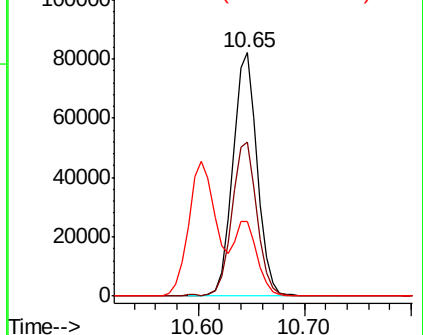


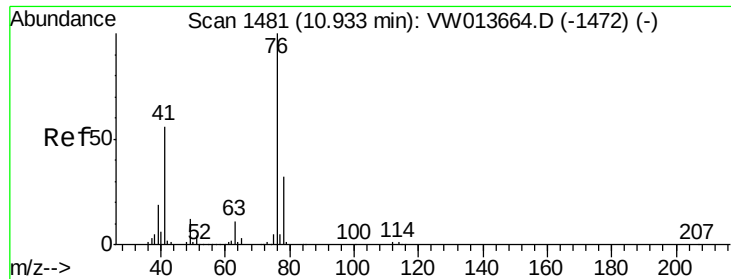
#56
 Ethyl methacrylate
 Concen: 52.661 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Tgt Ion: 69 Resp: 131329
 Ion Ratio Lower Upper
 69 100
 41 65.6 51.6 77.4
 39 28.6 22.4 33.6



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





#57

1,3-Dichloropropane

Concen: 51.441 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

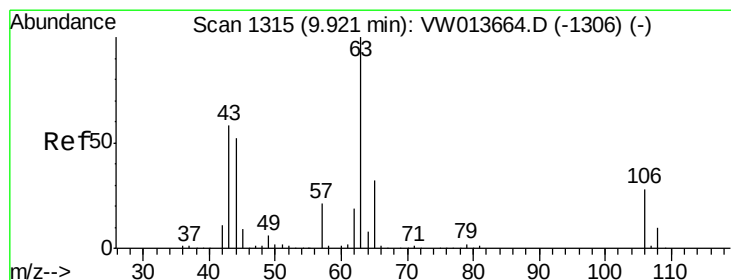
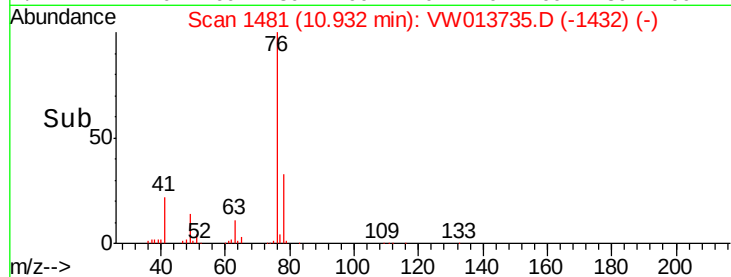
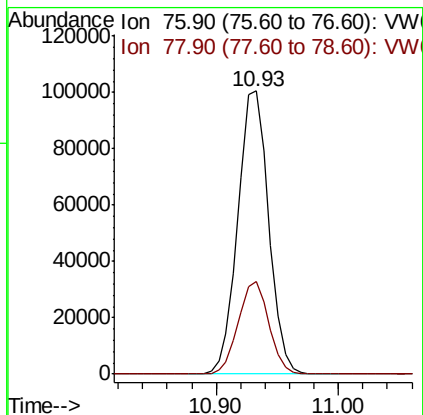
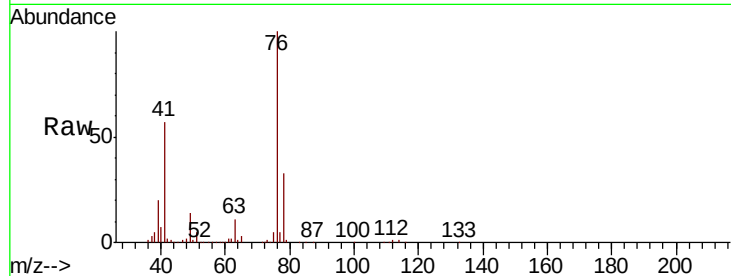
VSTDCCC050EC

Tot Ion: 76 Resp: 175960

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 259.686 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013735.D

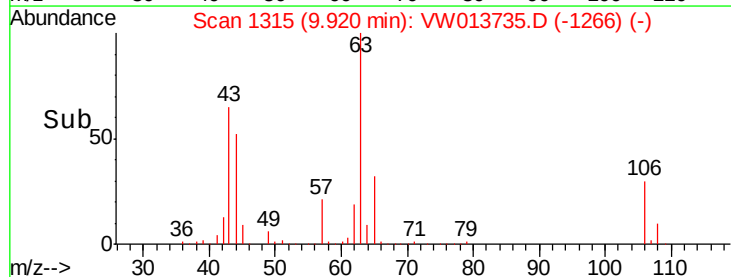
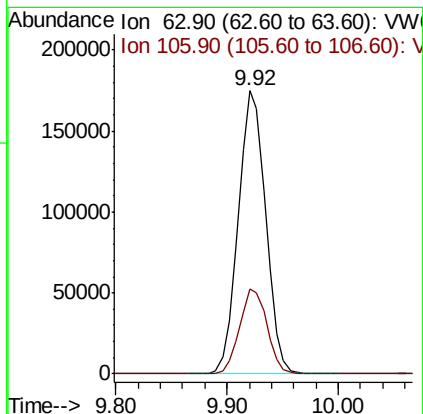
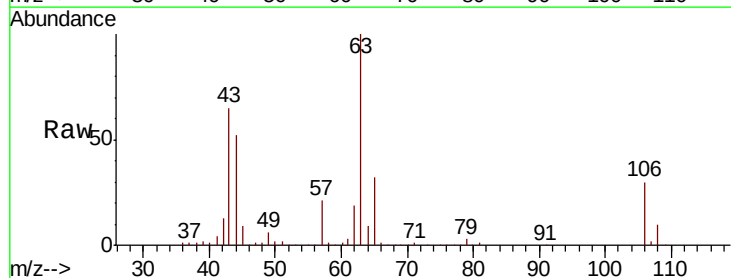
Acq: 25 Oct 2019 01:49

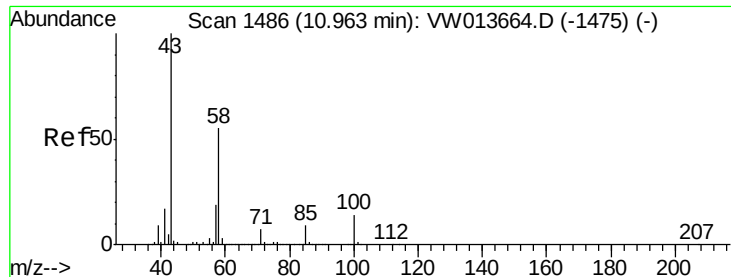
Tgt Ion: 63 Resp: 298056

Ion Ratio Lower Upper

63 100

106 30.0 23.8 35.8

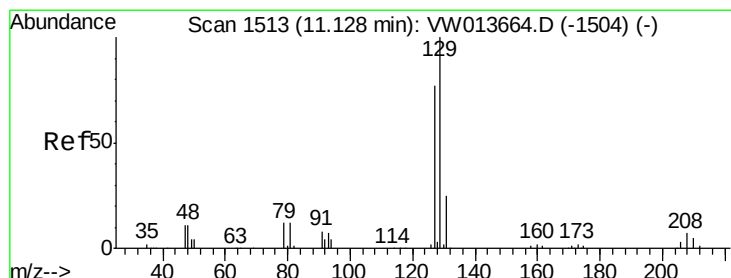
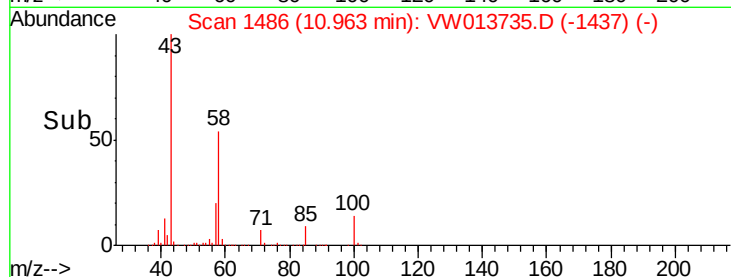
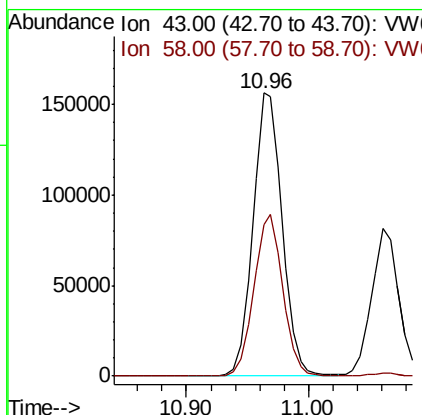
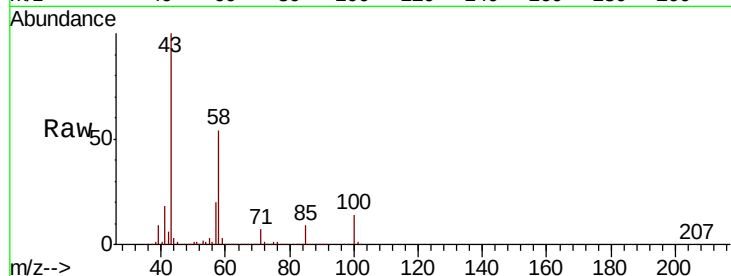




#59
2-Hexanone
Concen: 254.221 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

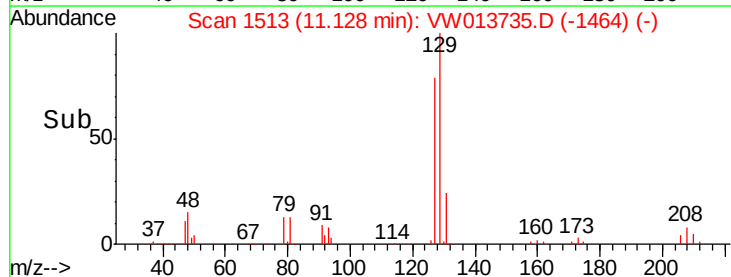
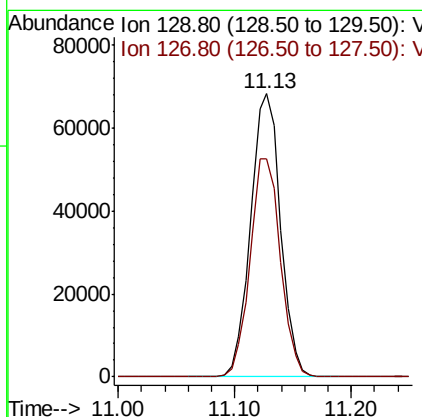
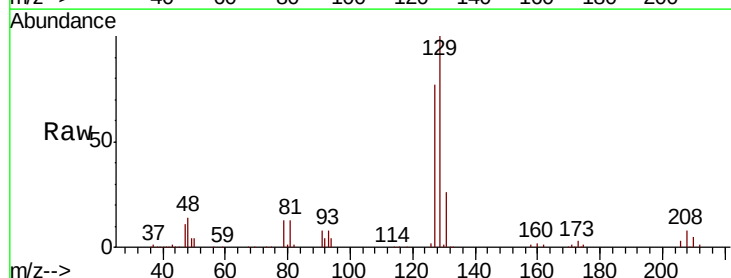
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

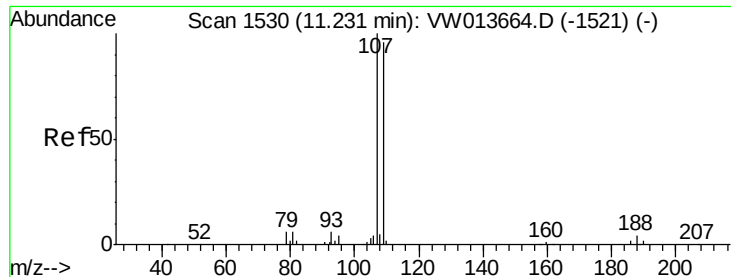
Tot Ion: 43 Resp: 260139
Ion Ratio Lower Upper
43 100
58 56.4 27.9 83.7



#60
Dibromochloromethane
Concen: 51.553 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion: 129 Resp: 122007
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7

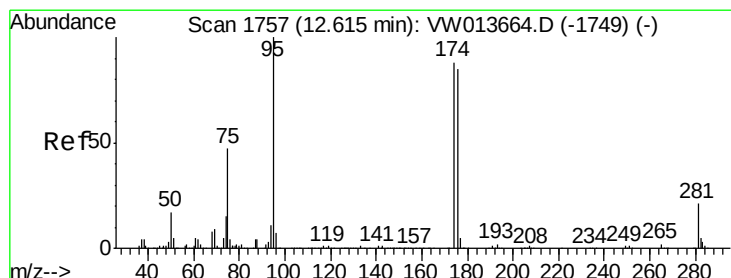
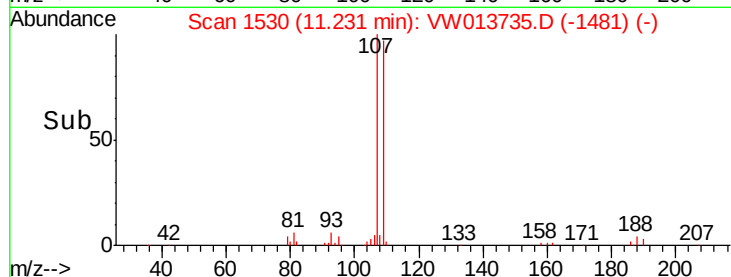
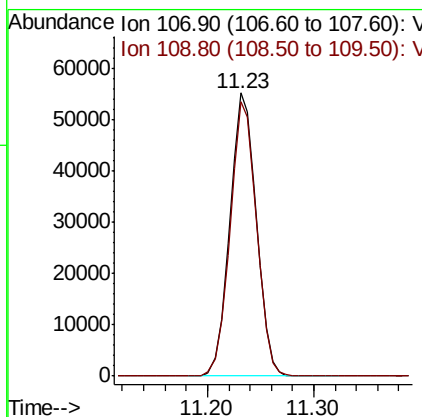
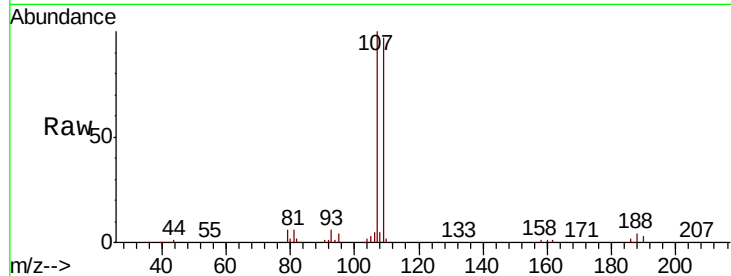




#61
 1,2-Dibromoethane
 Concen: 51.040 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

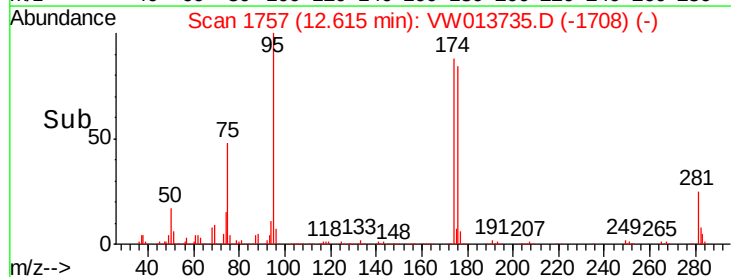
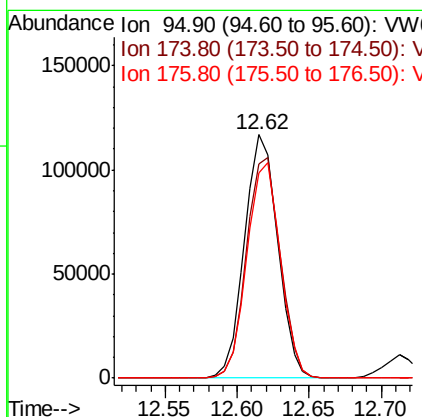
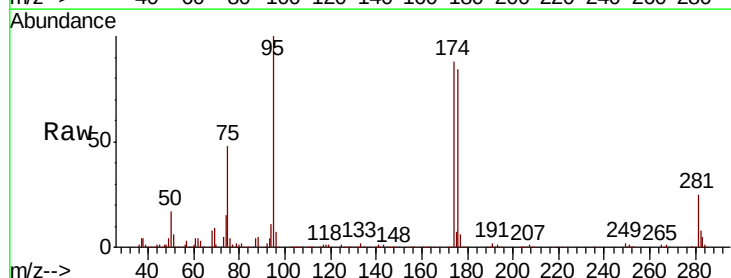
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

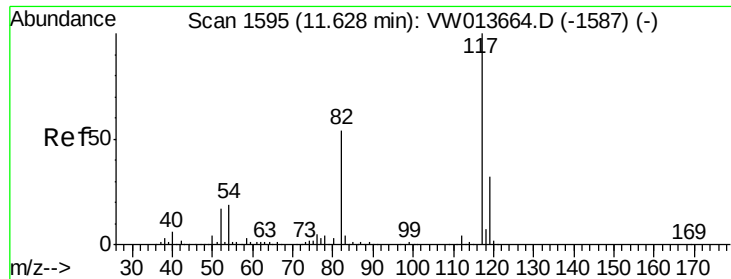
Tot Ion:107 Resp: 96250
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 55.714 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Tgt Ion: 95 Resp: 186967
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 183.6
 176 89.2 0.0 178.0

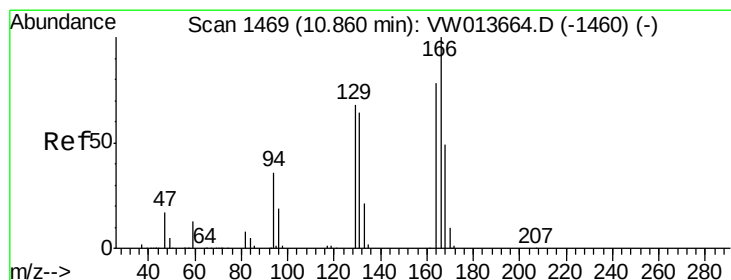
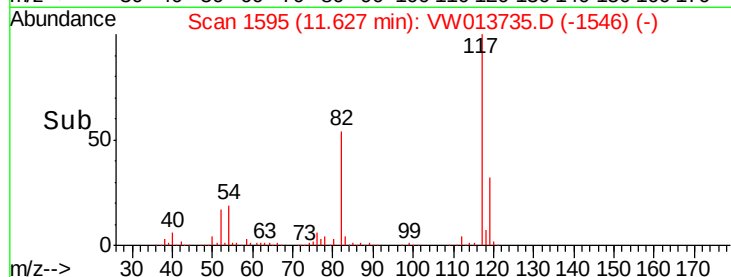
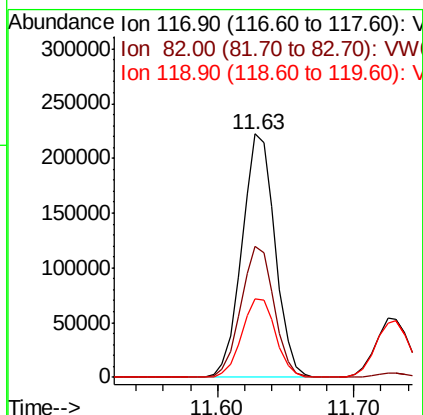
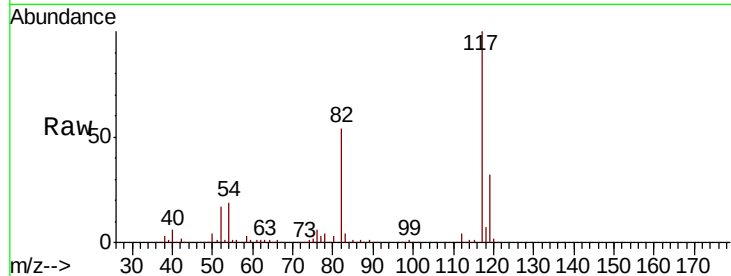




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

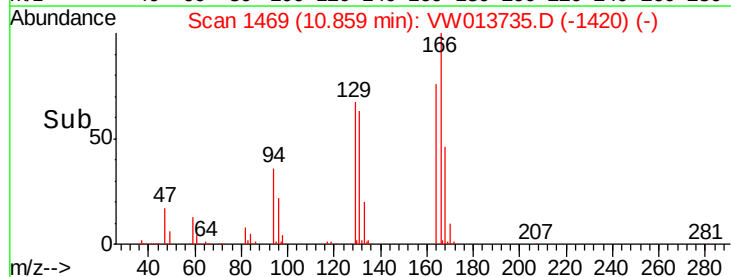
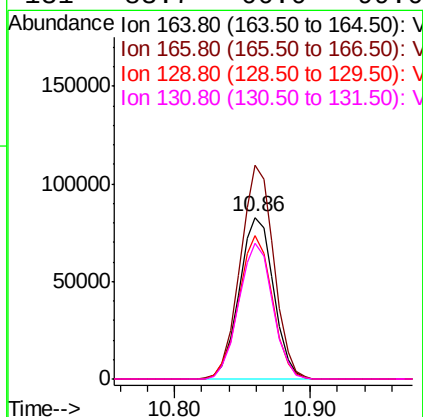
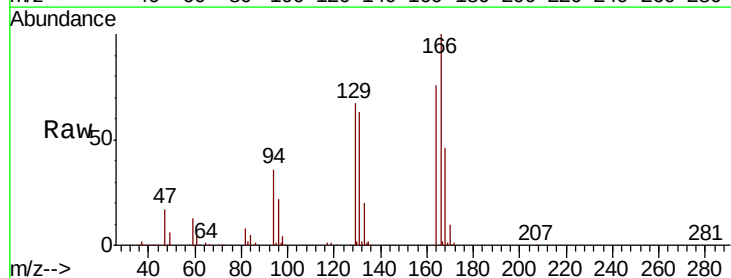
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

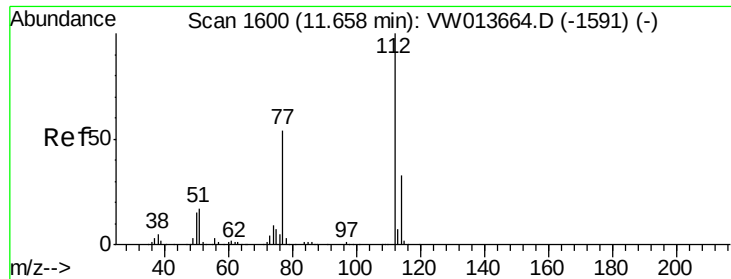
Tot Ion:117 Resp: 377298
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 50.495 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion:164 Resp: 145561
Ion Ratio Lower Upper
164 100
166 132.4 103.2 154.8
129 88.8 70.6 105.8
131 83.7 66.0 99.0

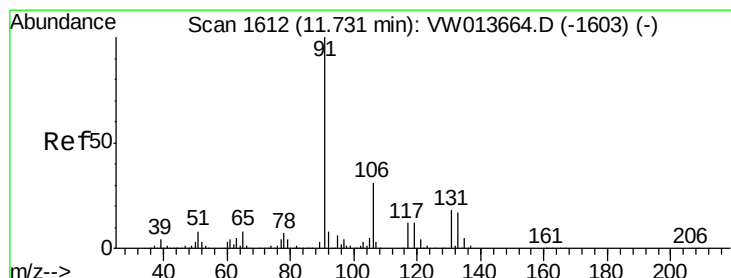
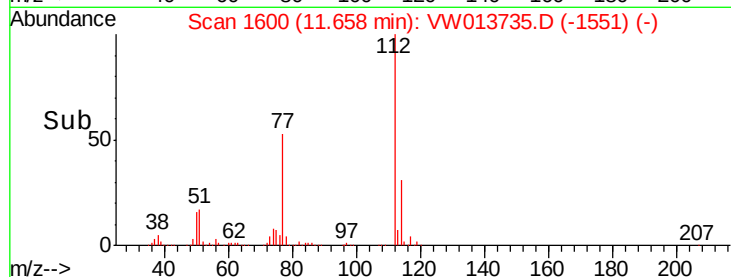
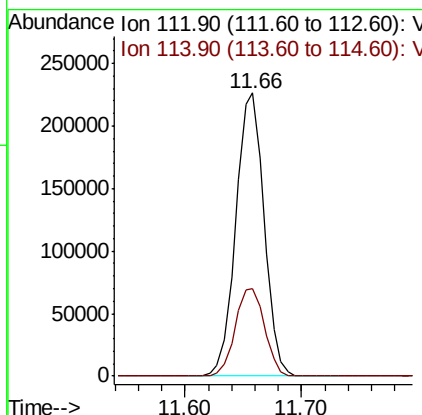
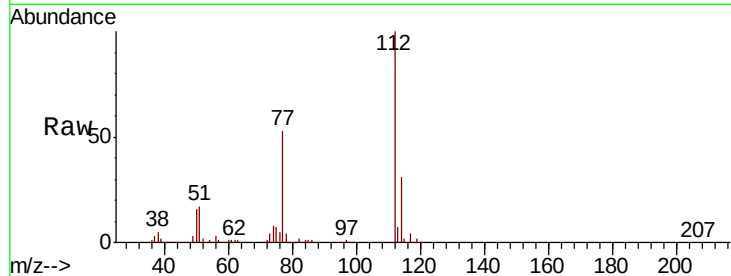




#65
Chlorobenzene
Concen: 49.295 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

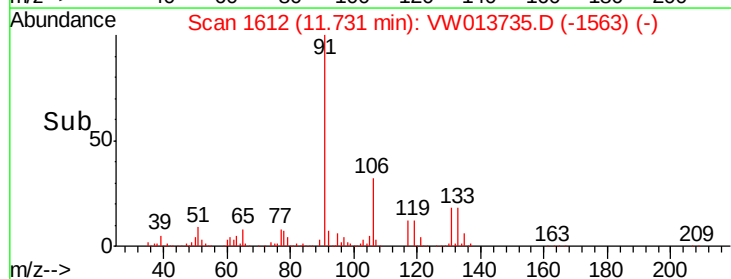
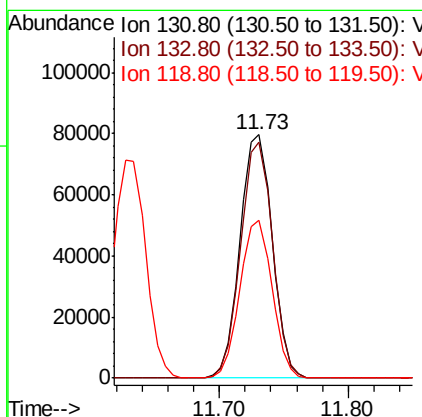
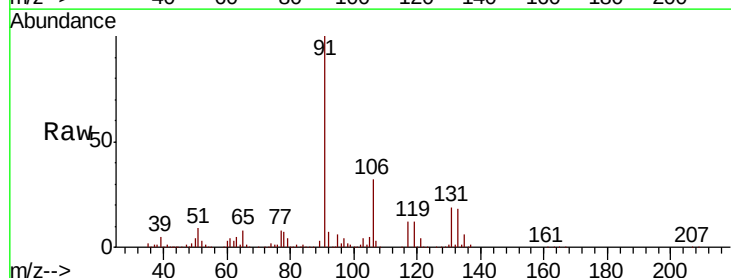
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

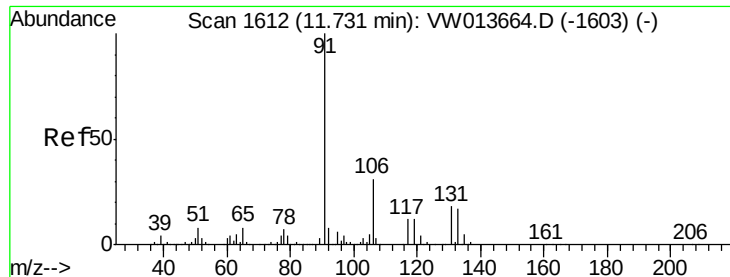
Tot Ion:112 Resp: 382191
Ion Ratio Lower Upper
112 100
114 31.1 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.019 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion:131 Resp: 138050
Ion Ratio Lower Upper
131 100
133 95.8 47.4 142.3
119 64.7 33.1 99.2

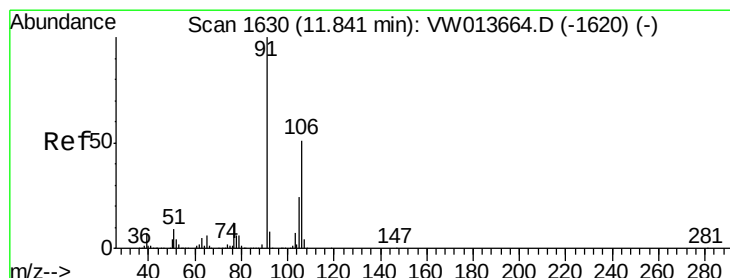
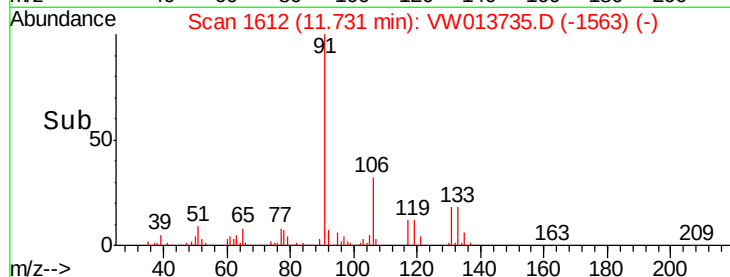
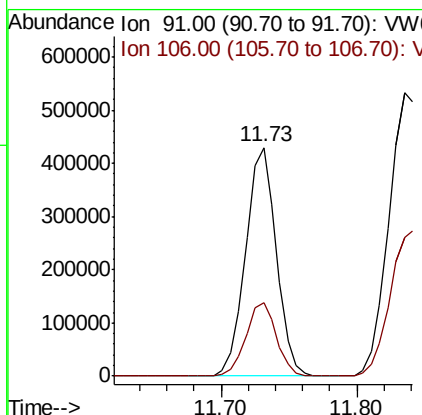
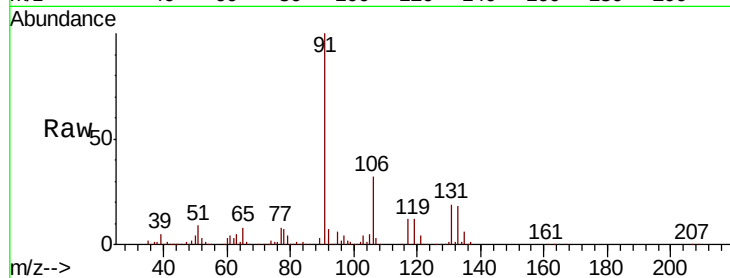




#67
Ethyl Benzene
Concen: 48.633 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

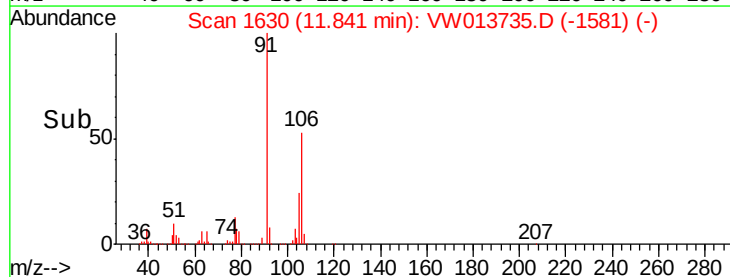
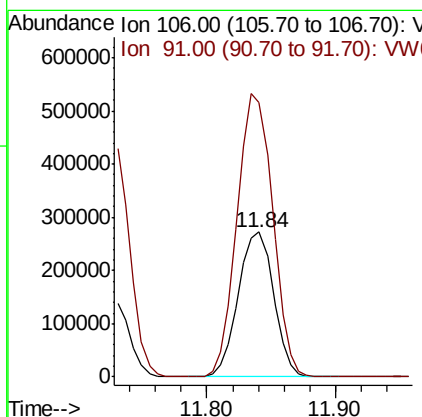
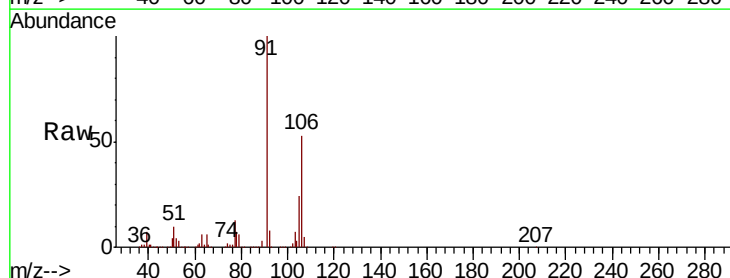
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

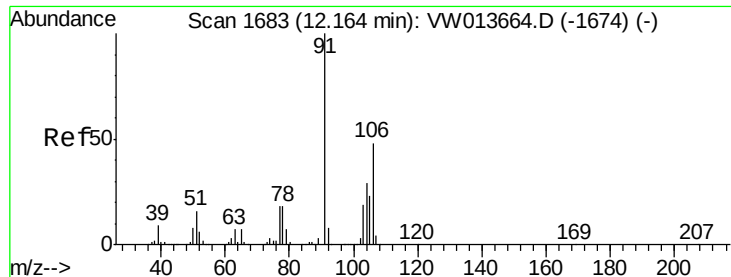
Tot Ion: 91 Resp: 679906
Ion Ratio Lower Upper
91 100
106 32.2 25.0 37.6



#68
m/p-Xylenes
Concen: 96.081 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion: 106 Resp: 518968
Ion Ratio Lower Upper
106 100
91 197.6 159.2 238.8

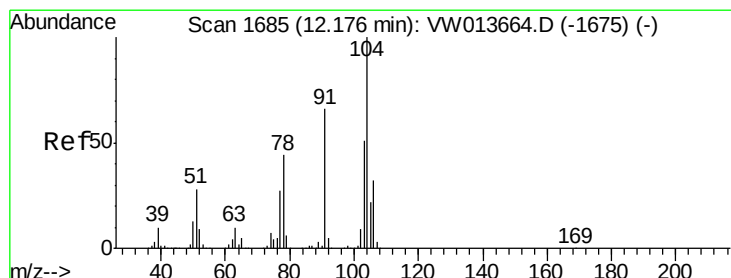
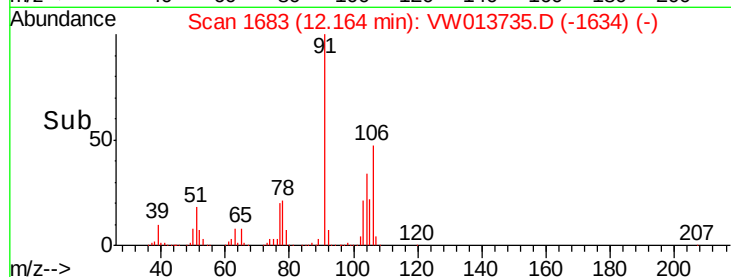
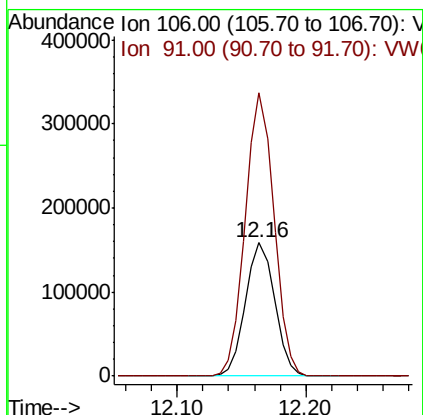
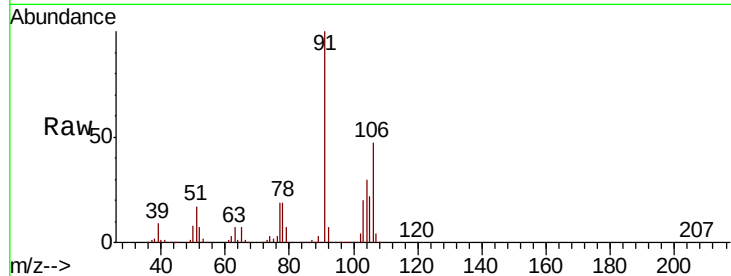




#69
o-Xylene
Concen: 50.258 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

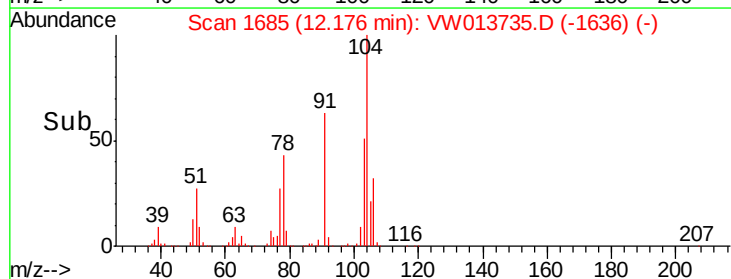
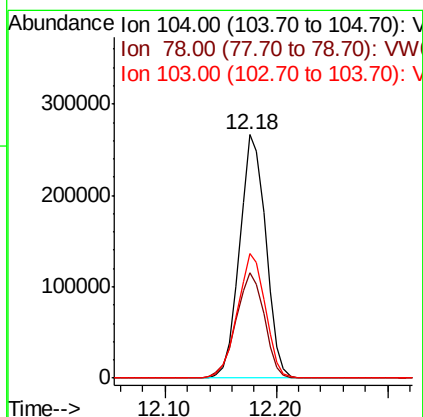
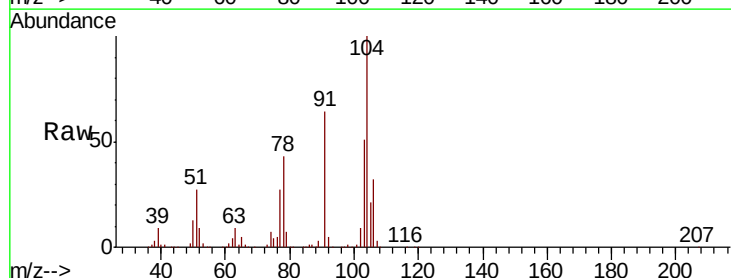
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

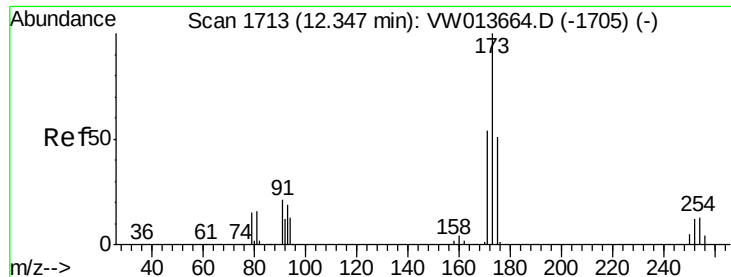
Tot Ion:106 Resp: 249517
Ion Ratio Lower Upper
106 100
91 208.3 104.9 314.7



#70
Styrene
Concen: 50.846 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion:104 Resp: 433727
Ion Ratio Lower Upper
104 100
78 46.7 37.1 55.7
103 54.5 43.6 65.4





#71

Bromoform

Concen: 52.670 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

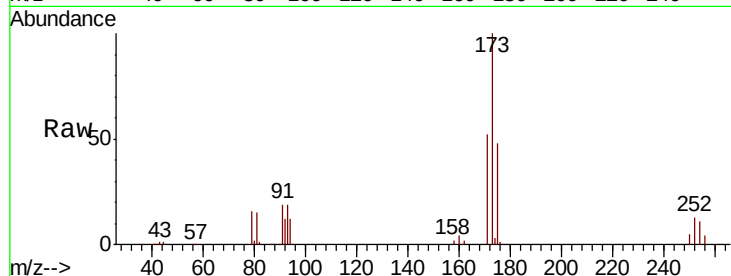
Tot Ion:173 Resp: 74791

Ion Ratio Lower Upper

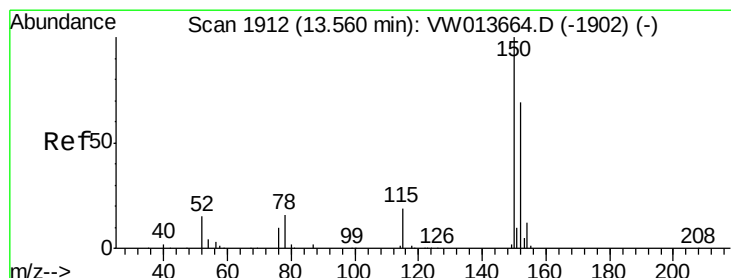
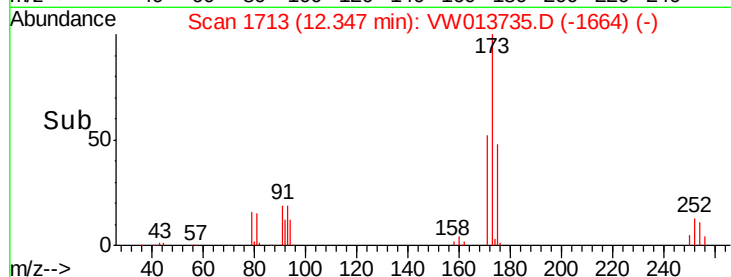
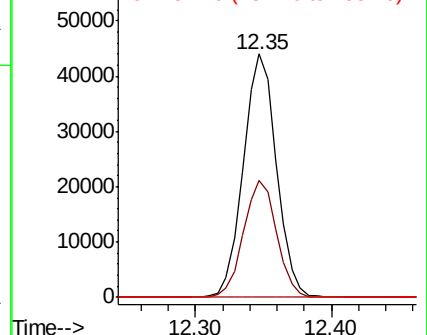
173 100

175 48.1 25.2 75.6

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

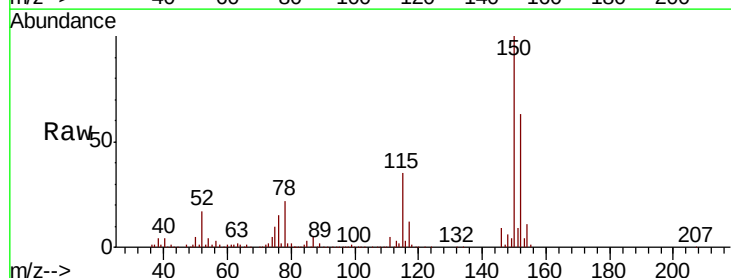
Tgt Ion:152 Resp: 198080

Ion Ratio Lower Upper

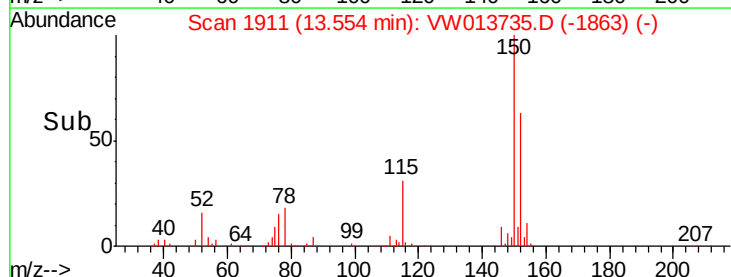
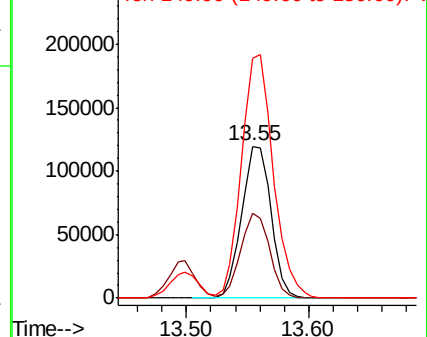
152 100

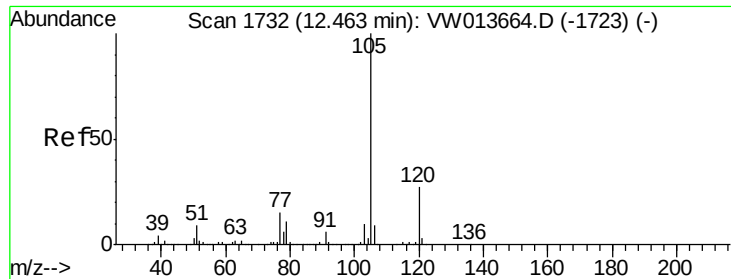
115 55.1 27.4 82.2

150 174.5 0.0 345.4



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





#73

Isopropylbenzene

Concen: 47.304 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

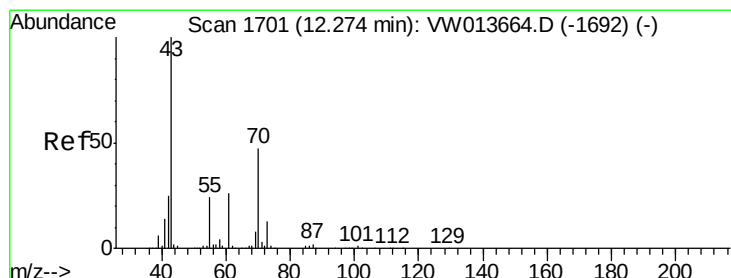
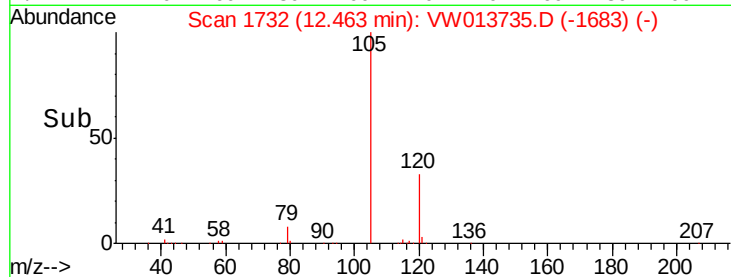
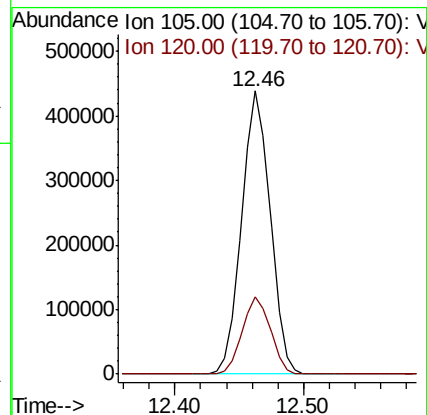
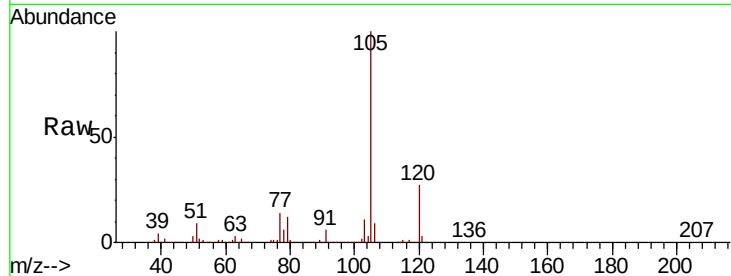
VSTDCCC050EC

Tot Ion:105 Resp: 672895

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



#74

N-ethyl acetate

Concen: 49.363 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Tgt Ion: 43 Resp: 135832

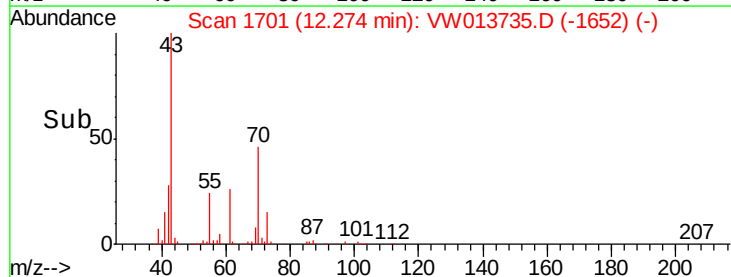
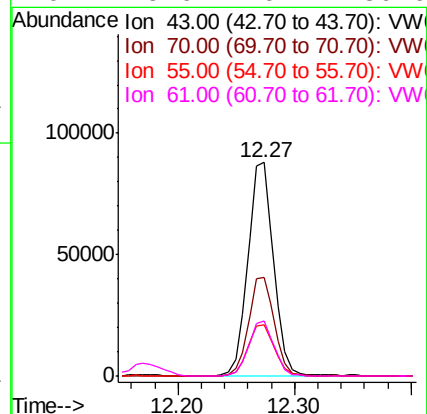
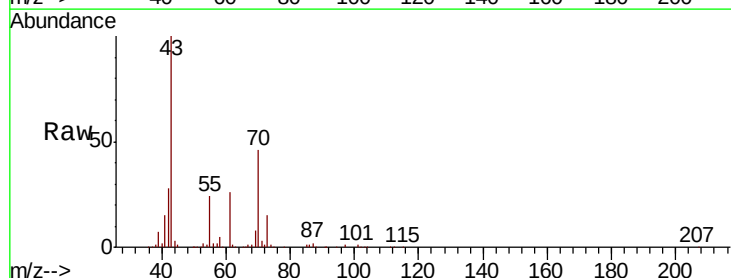
Ion Ratio Lower Upper

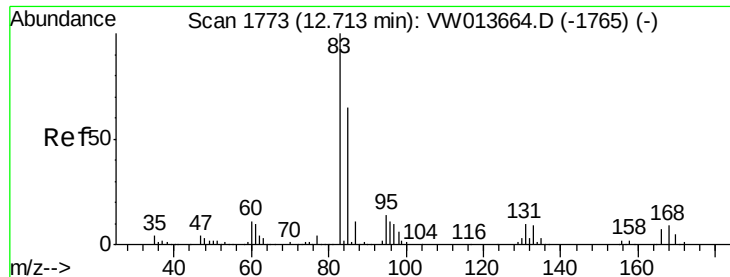
43 100

70 46.1 36.6 55.0

55 24.9 20.3 30.5

61 25.6 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.742 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

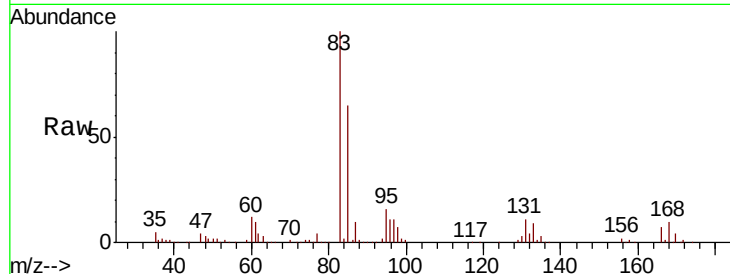
Tot Ion: 83 Resp: 111657

Ion Ratio Lower Upper

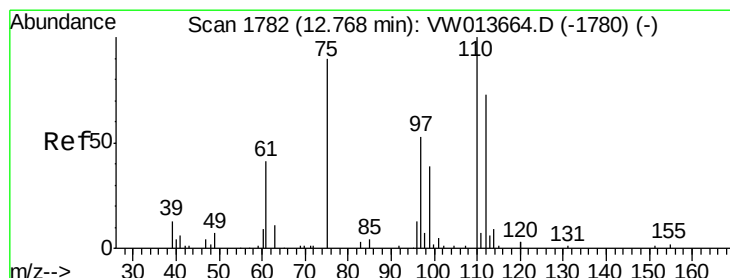
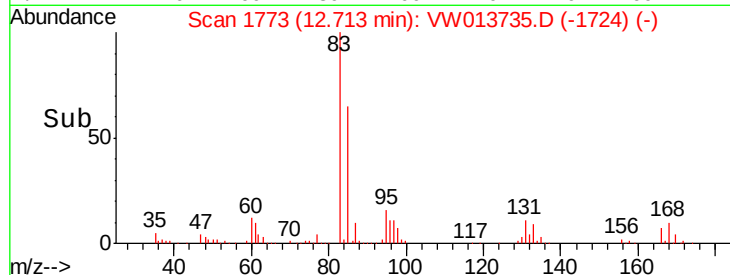
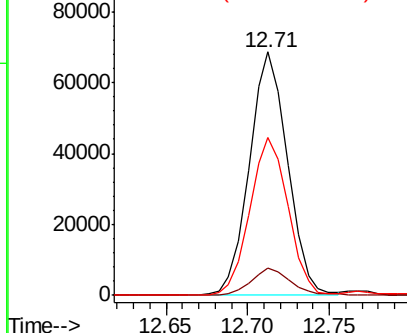
83 100

131 11.6 5.7 17.1

85 64.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 99.336 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013735.D

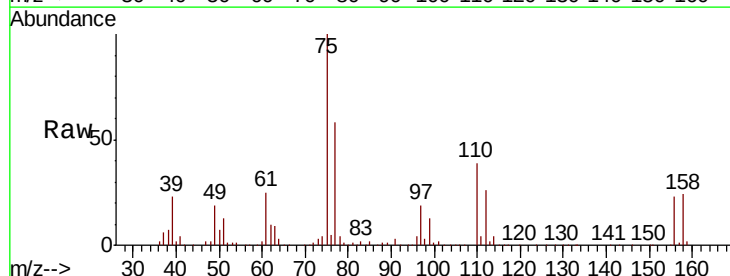
Acq: 25 Oct 2019 01:49

Tgt Ion: 75 Resp: 141305

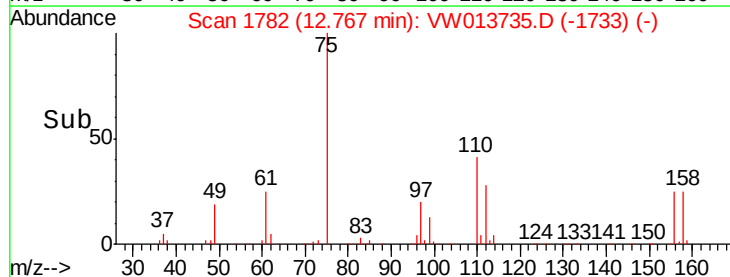
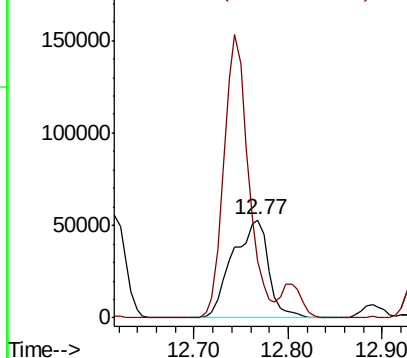
Ion Ratio Lower Upper

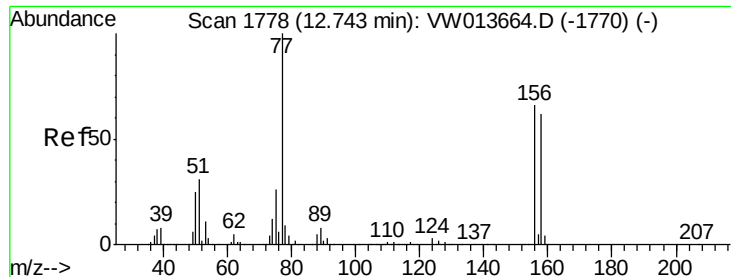
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.003 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

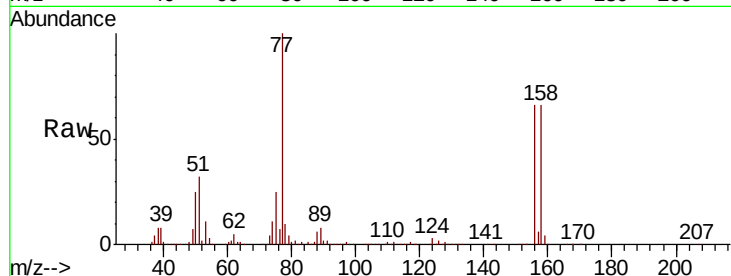
Tot Ion:156 Resp: 166518

Ion Ratio Lower Upper

156 100

77 167.6 82.9 248.7

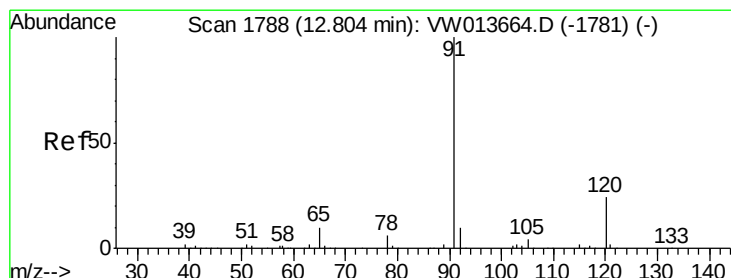
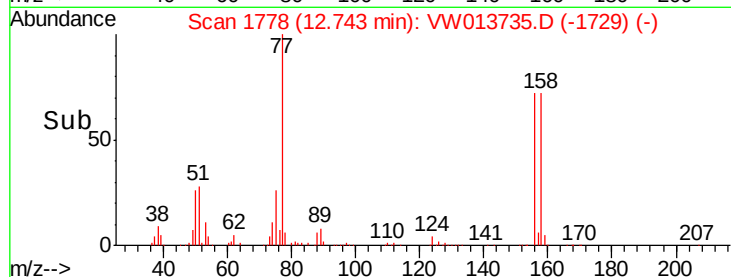
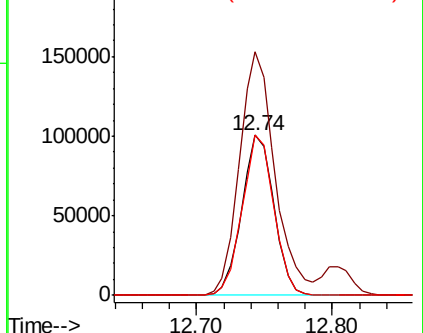
158 98.7 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.885 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013735.D

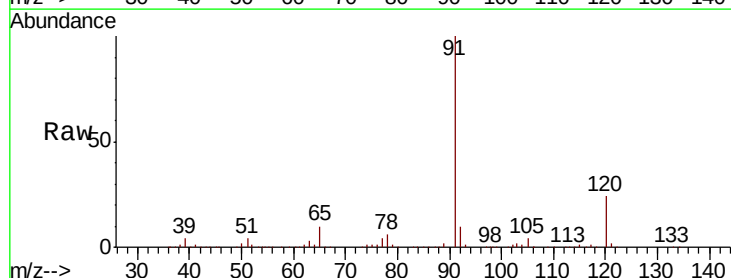
Acq: 25 Oct 2019 01:49

Tgt Ion: 91 Resp: 788393

Ion Ratio Lower Upper

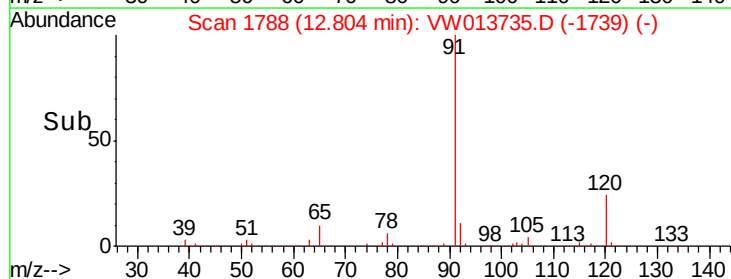
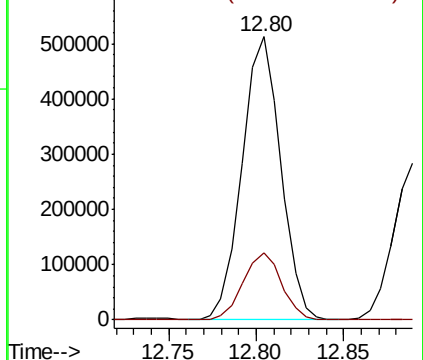
91 100

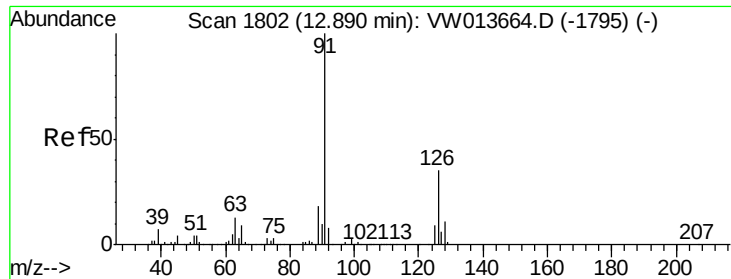
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

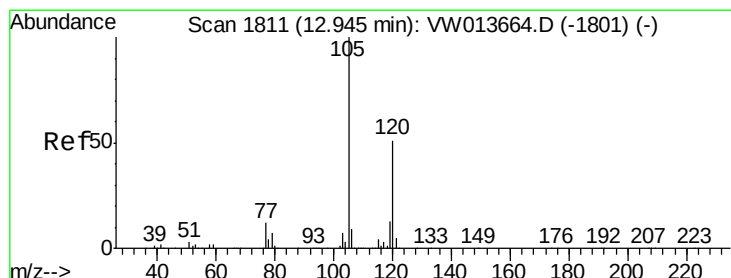
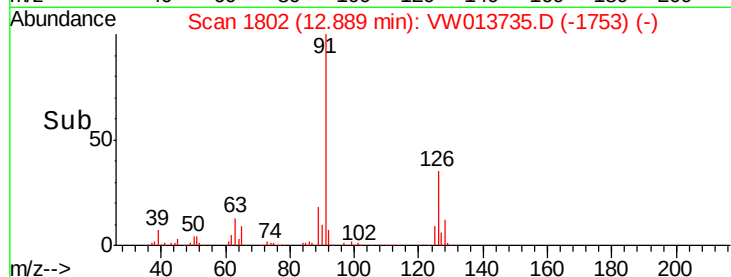
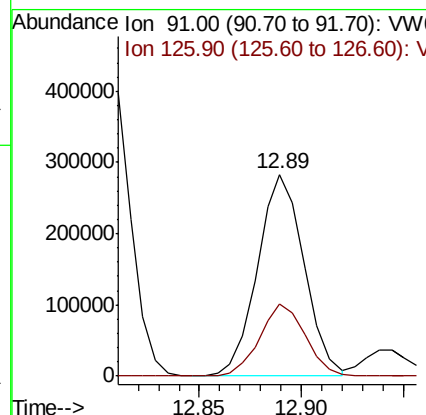
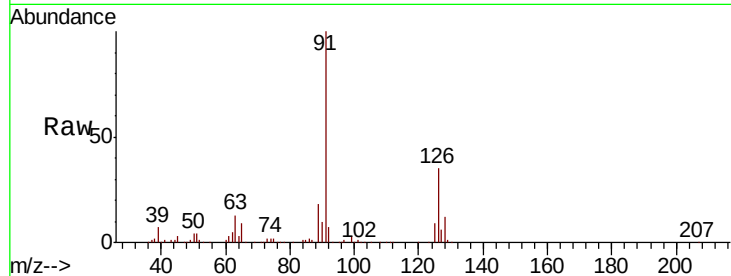




#79
2-Chlorotoluene
Concen: 48.537 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

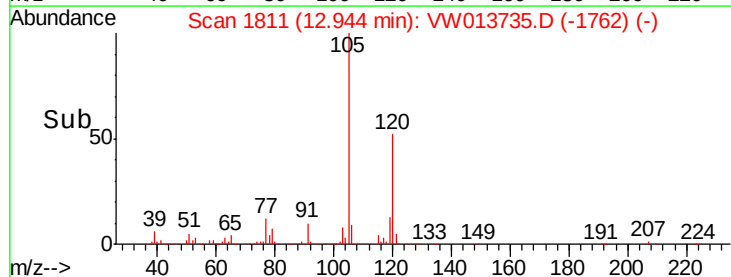
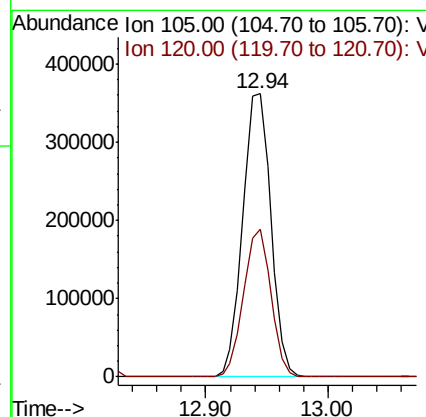
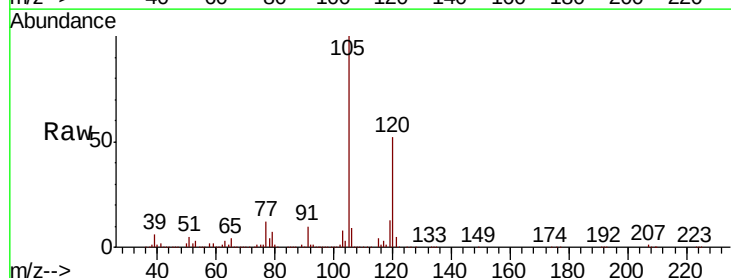
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

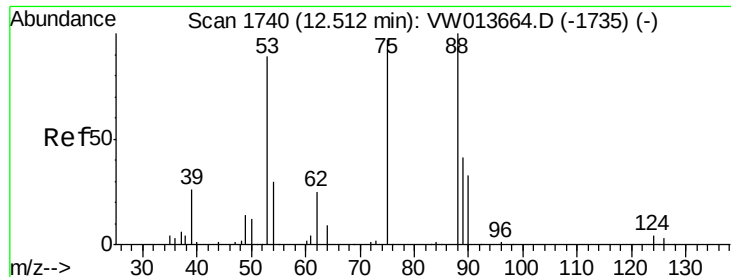
Tot Ion: 91 Resp: 449082
Ion Ratio Lower Upper
91 100
126 35.2 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 48.035 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion:105 Resp: 576807
Ion Ratio Lower Upper
105 100
120 51.0 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 46.469 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

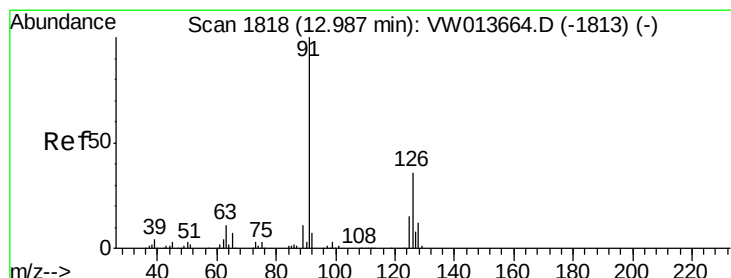
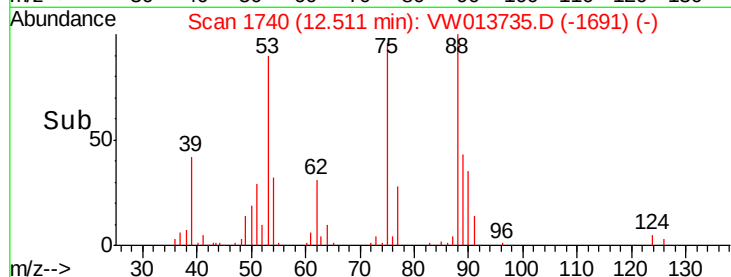
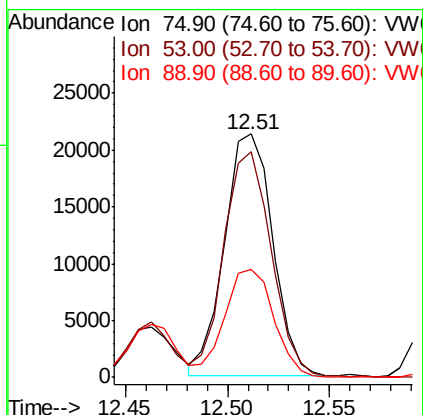
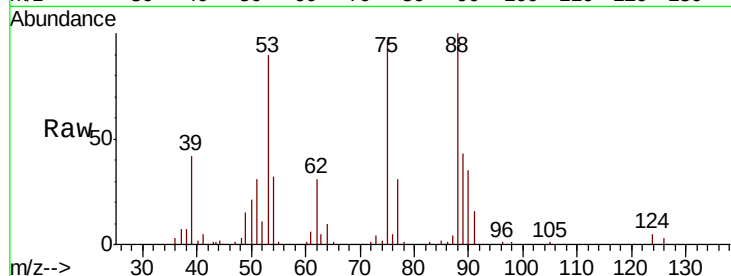
Tot Ion: 75 Resp: 34977

Ion Ratio Lower Upper

75 100

53 92.7 71.7 107.5

89 46.1 35.8 53.8



#82

4-Chlorotoluene

Concen: 48.882 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013735.D

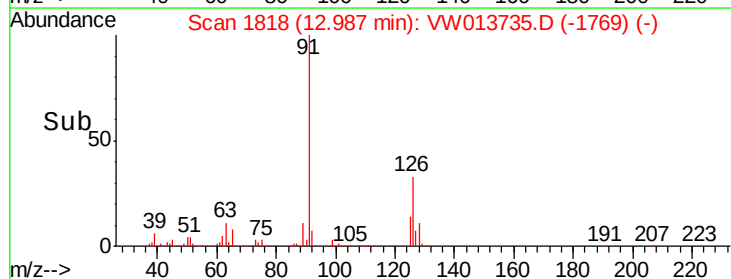
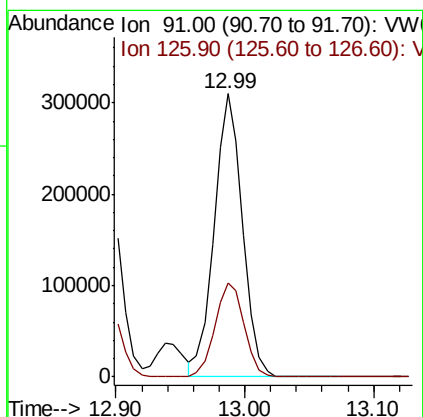
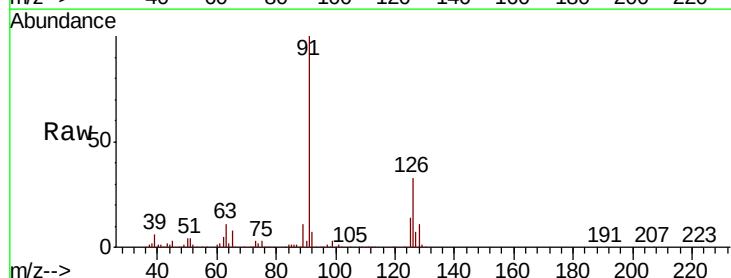
Acq: 25 Oct 2019 01:49

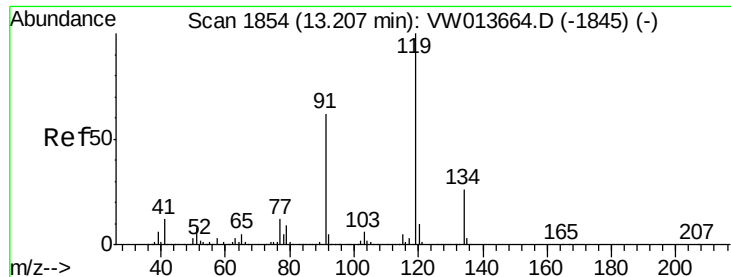
Tgt Ion: 91 Resp: 474820

Ion Ratio Lower Upper

91 100

126 34.4 17.2 51.5

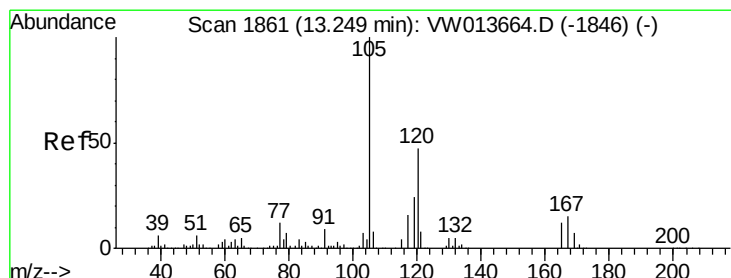
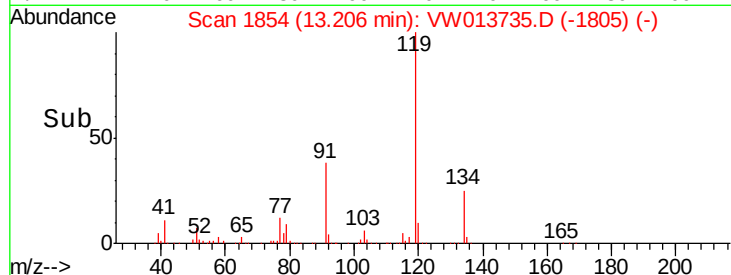
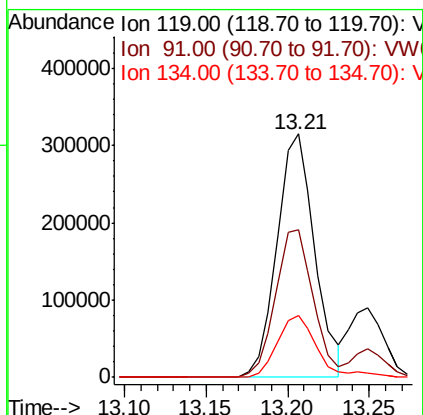
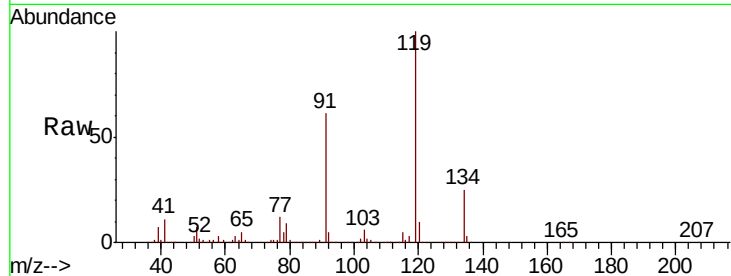




#83
tert-Butylbenzene
Concen: 47.701 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

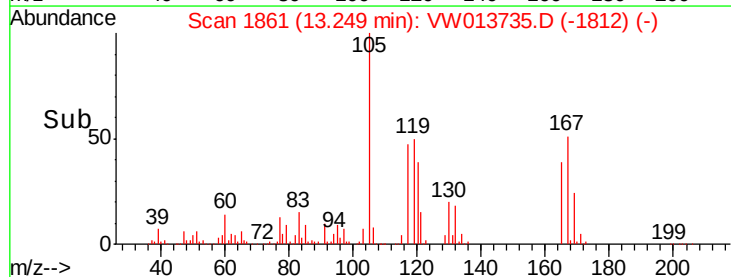
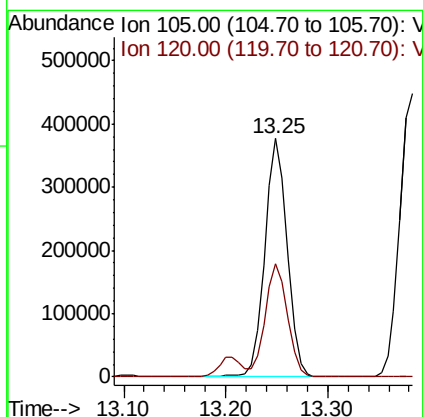
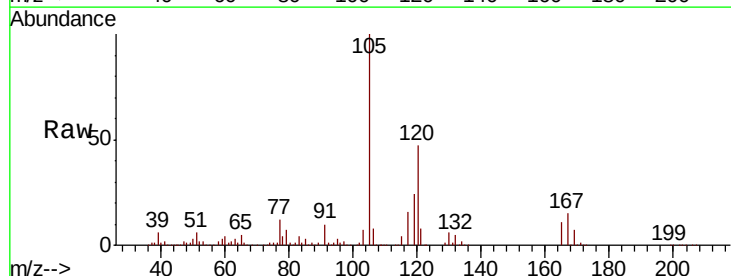
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

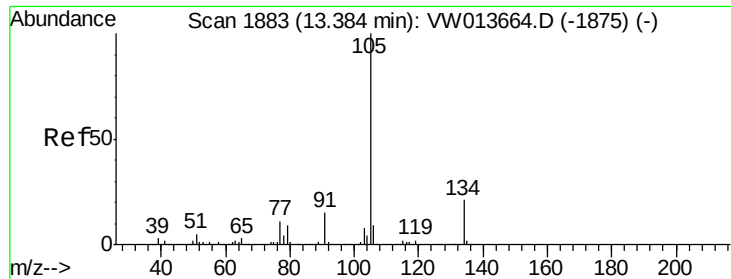
Tot Ion:119 Resp: 508441
Ion Ratio Lower Upper
119 100
91 60.4 30.4 91.3
134 27.1 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 48.457 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion:105 Resp: 573986
Ion Ratio Lower Upper
105 100
120 46.4 23.5 70.5

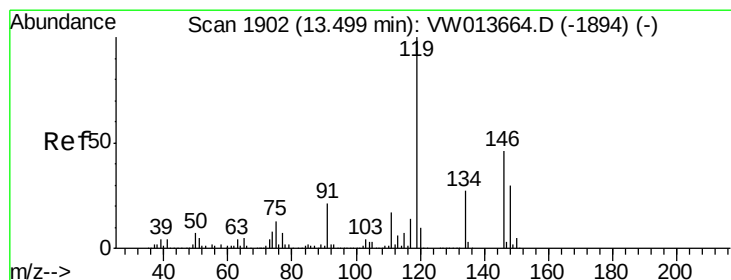
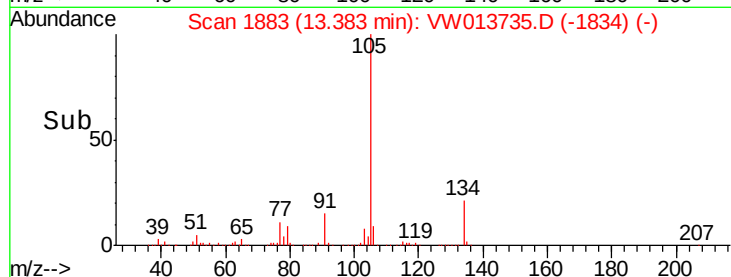
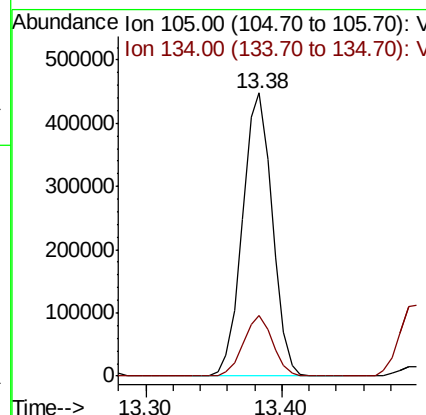
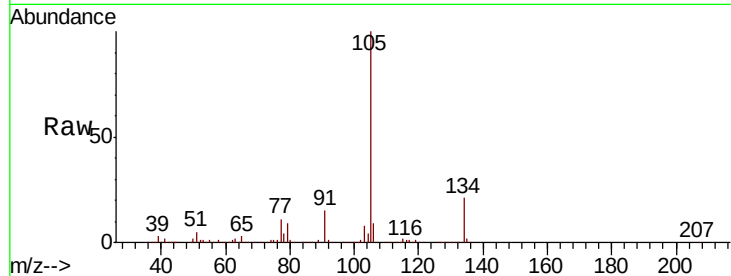




#85
 sec-Butylbenzene
 Concen: 47.020 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

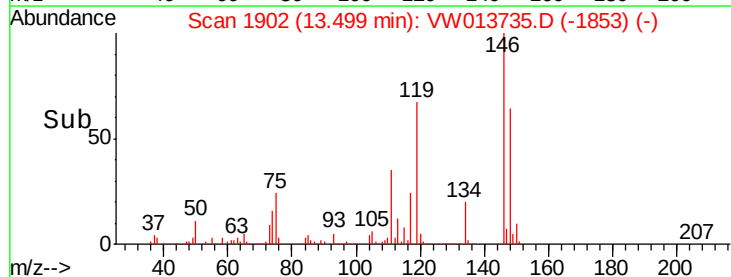
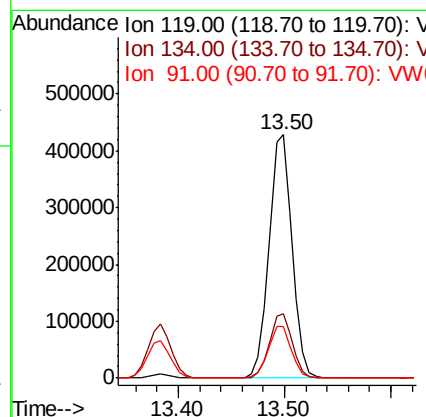
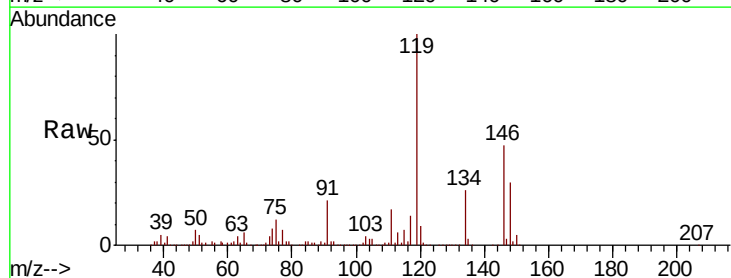
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

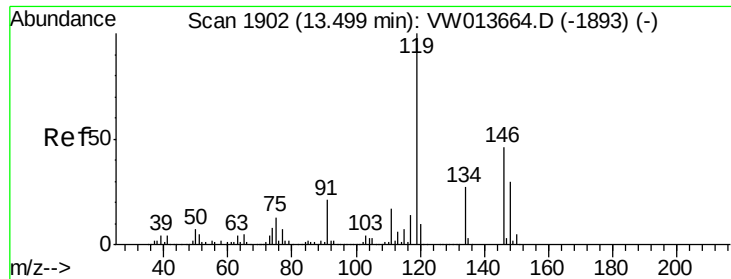
Tot Ion:105 Resp: 685352
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 47.708 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Tgt Ion:119 Resp: 647750
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.4 40.1
 91 21.3 10.8 32.3

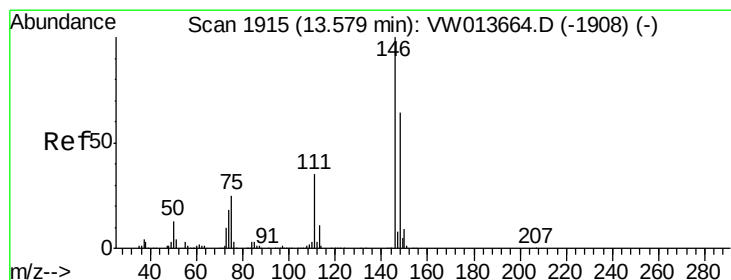
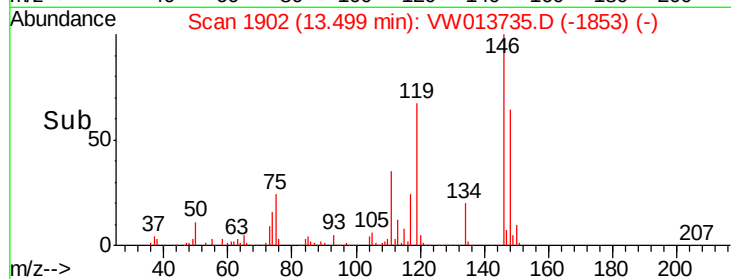
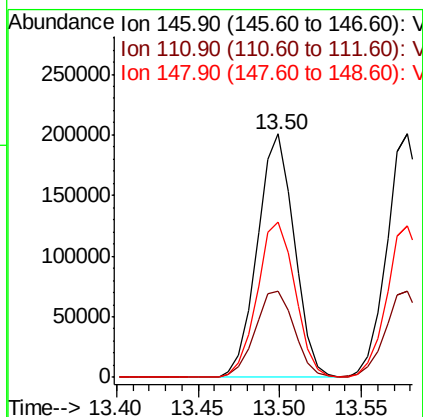
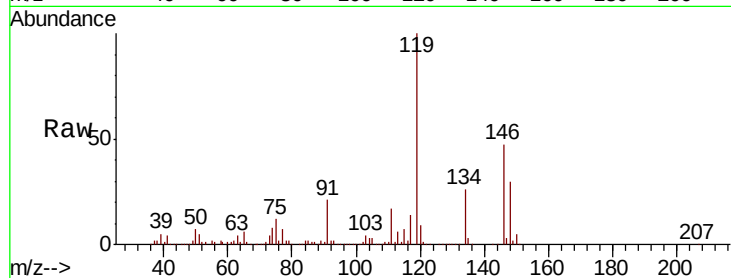




#87
 1,3-Dichlorobenzene
 Concen: 48.081 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

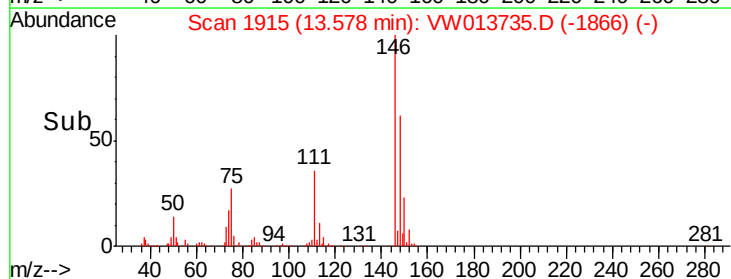
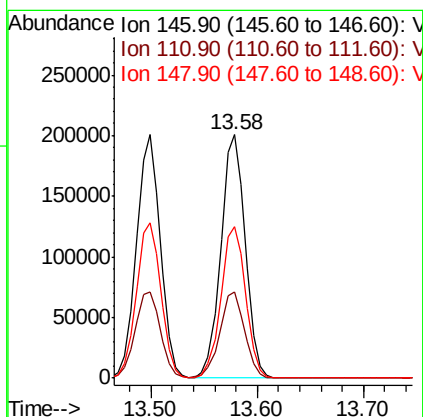
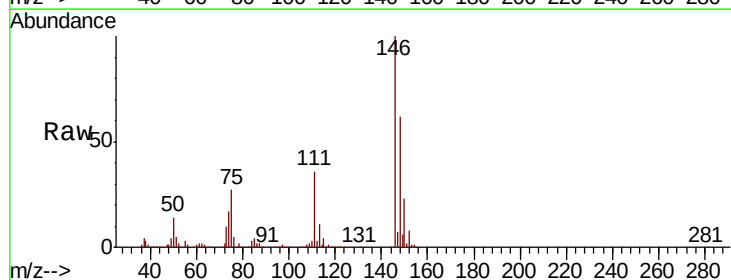
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

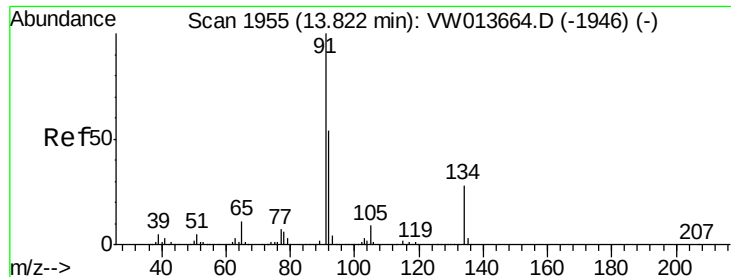
Tot Ion:146 Resp: 316560
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 56.0
 148 65.5 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 48.893 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Tgt Ion:146 Resp: 319803
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.1 54.3
 148 63.3 32.0 96.2





#89

n-Butylbenzene

Concen: 46.391 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013735.D

Acq: 25 Oct 2019 01:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

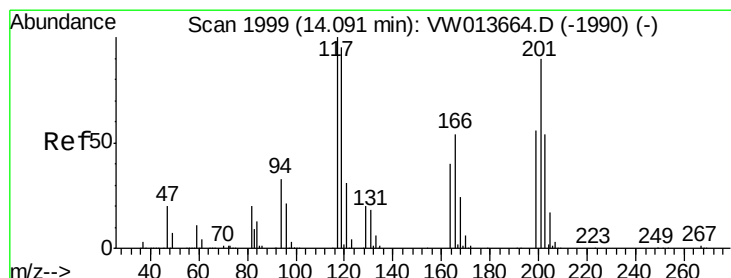
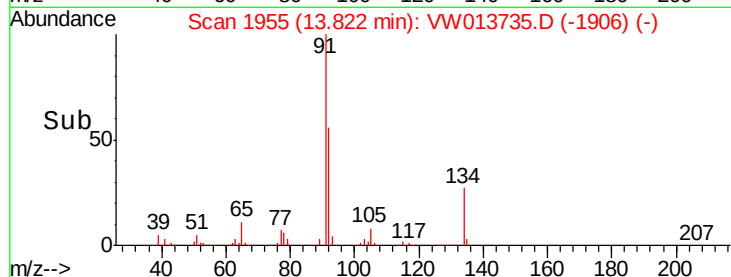
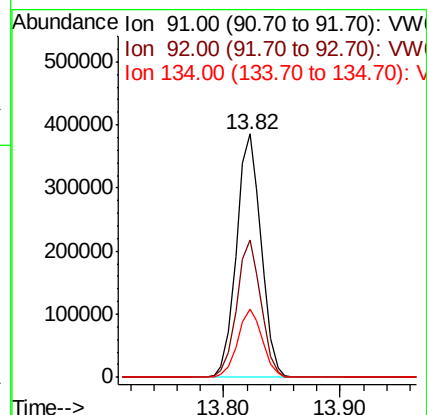
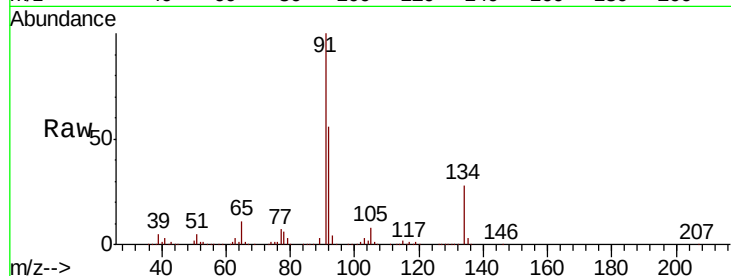
Tot Ion: 91 Resp: 568536

Ion Ratio Lower Upper

91 100

92 55.3 27.5 82.4

134 28.1 14.0 41.9



#90

Hexachloroethane

Concen: 47.484 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013735.D

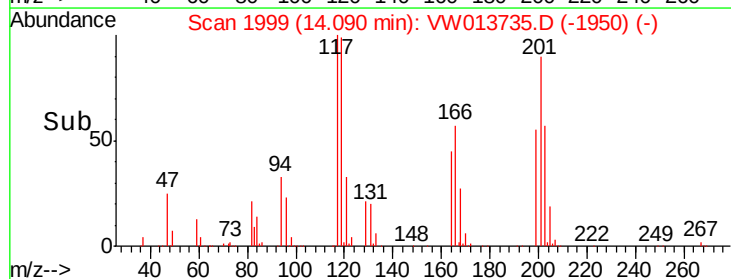
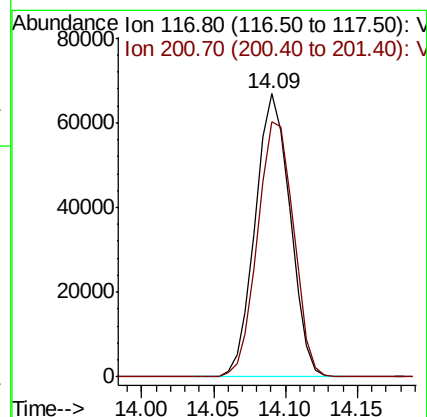
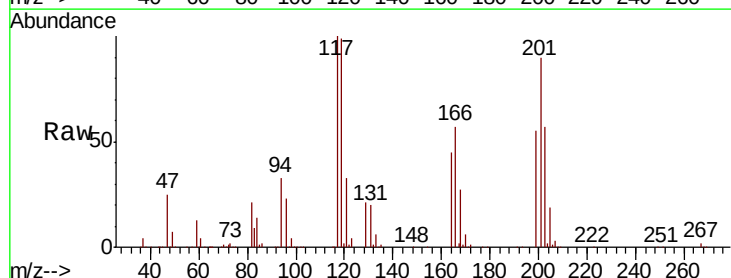
Acq: 25 Oct 2019 01:49

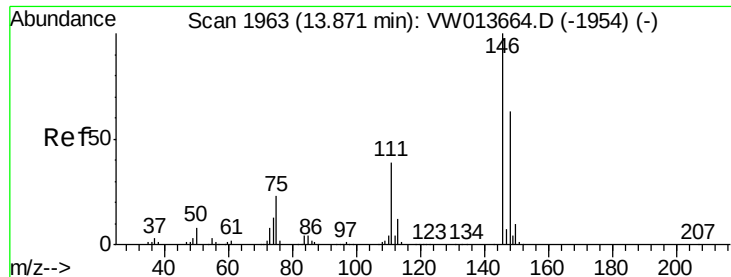
Tgt Ion: 117 Resp: 112061

Ion Ratio Lower Upper

117 100

201 93.1 46.1 138.2

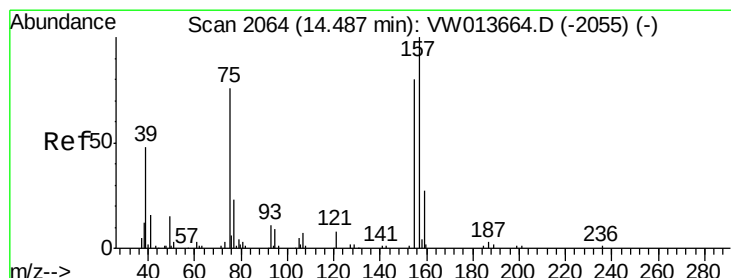
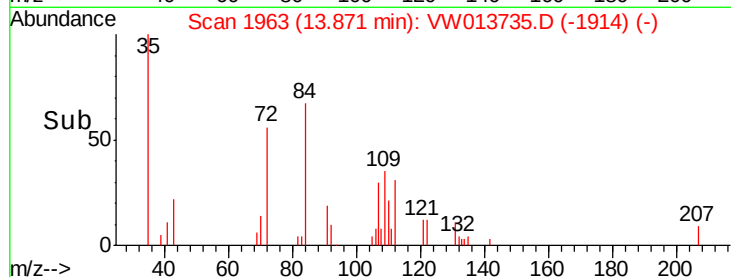
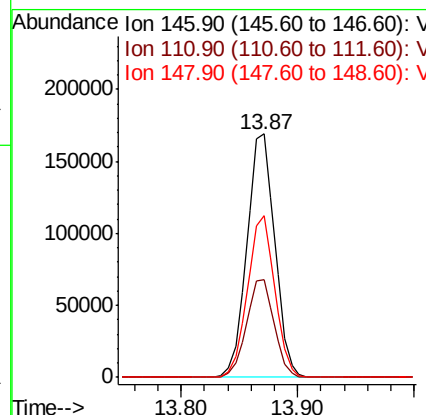
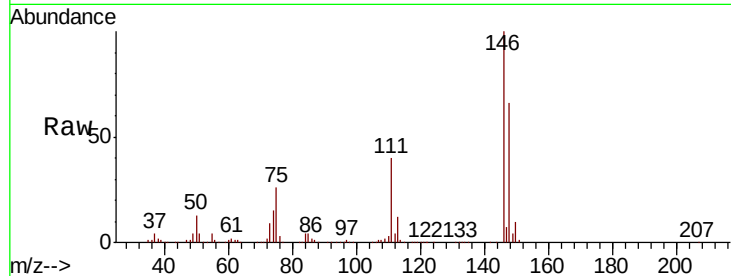




#91
 1,2-Dichlorobenzene
 Concen: 49.633 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

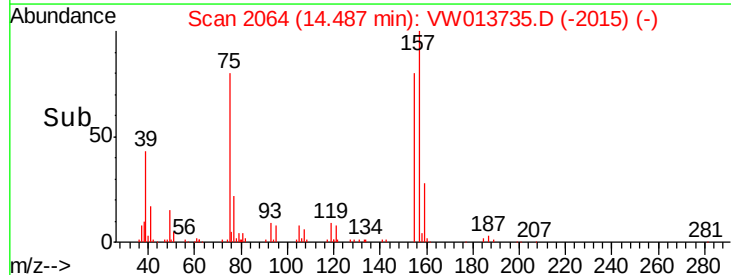
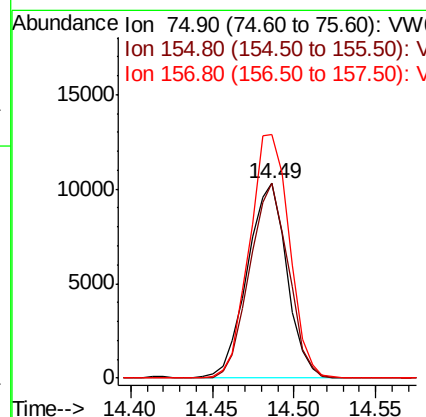
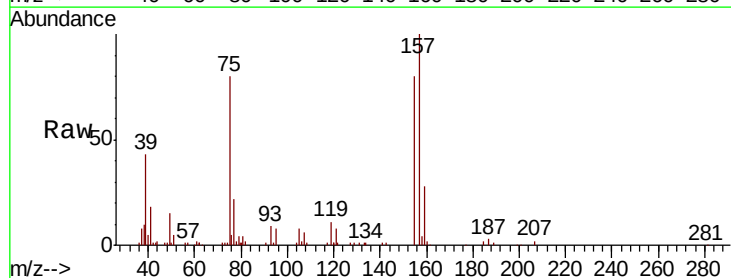
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

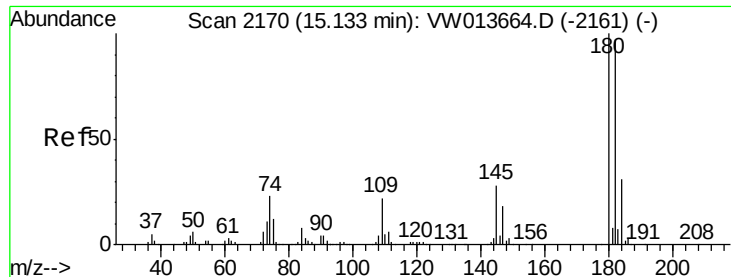
Tot Ion:146 Resp: 283341
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.9 59.6
 148 64.6 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.464 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW013735.D
 Acq: 25 Oct 2019 01:49

Tgt Ion: 75 Resp: 17469
 Ion Ratio Lower Upper
 75 100
 155 97.1 51.9 155.7
 157 125.7 64.8 194.3

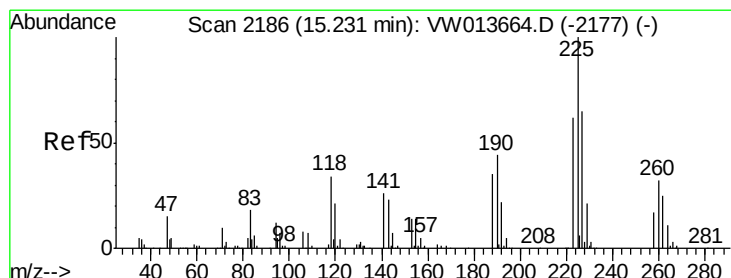
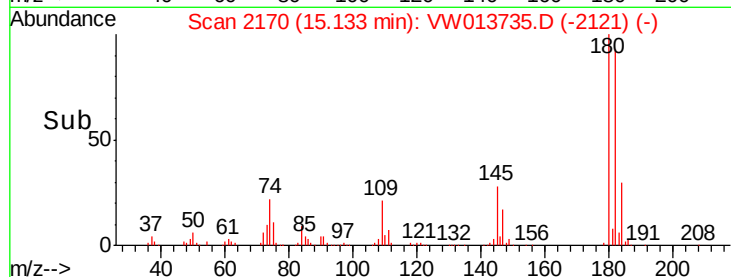
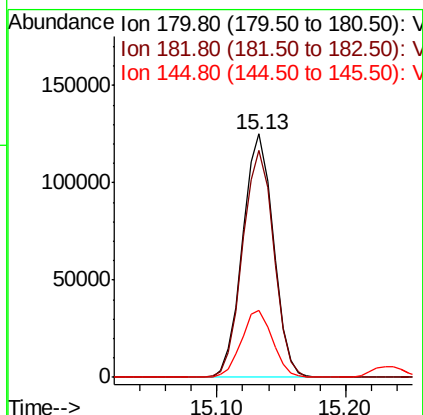
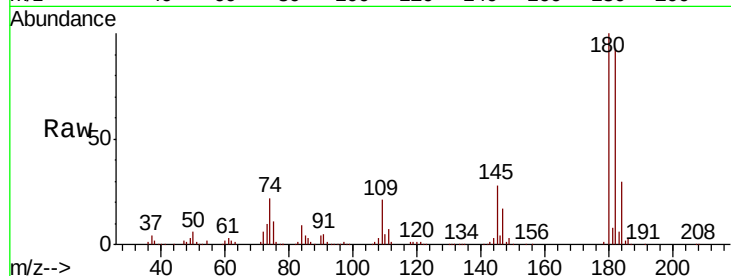




#93
1,2,4-Trichlorobenzene
Concen: 49.770 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

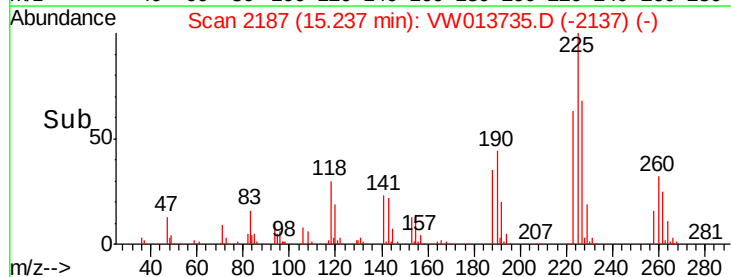
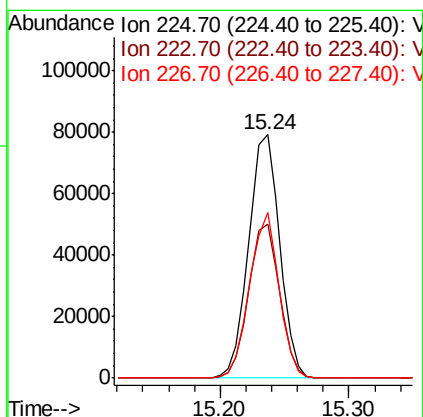
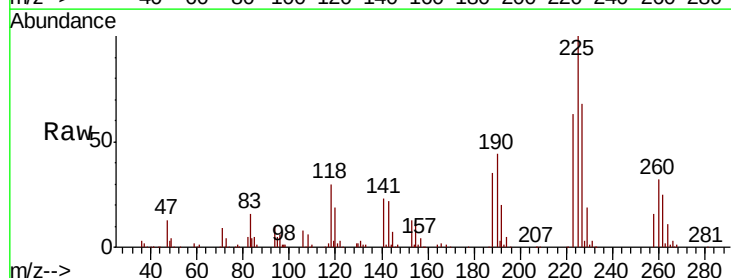
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

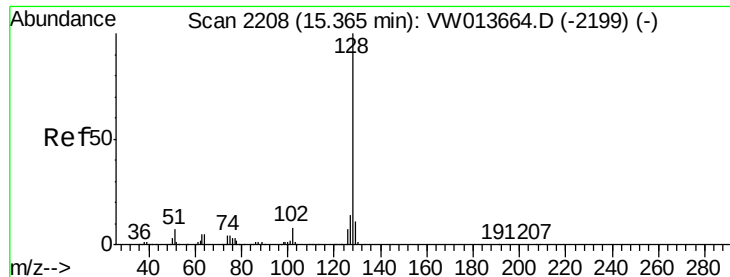
Tot Ion:180 Resp: 206772
Ion Ratio Lower Upper
180 100
182 93.9 47.4 142.2
145 27.8 14.1 42.3



#94
Hexachlorobutadiene
Concen: 46.874 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion:225 Resp: 131467
Ion Ratio Lower Upper
225 100
223 63.4 31.9 95.9
227 64.2 32.5 97.4

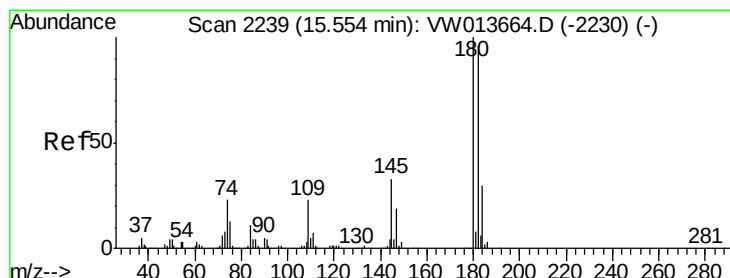
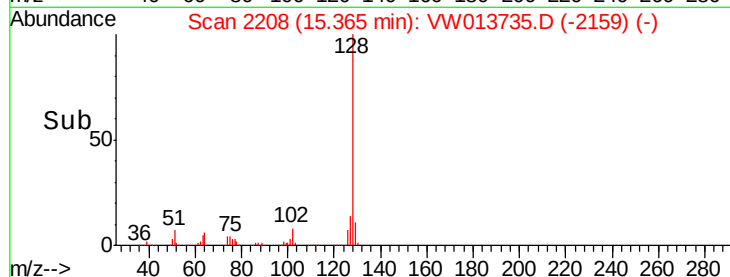
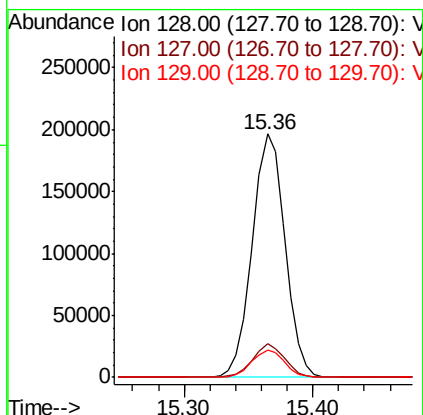
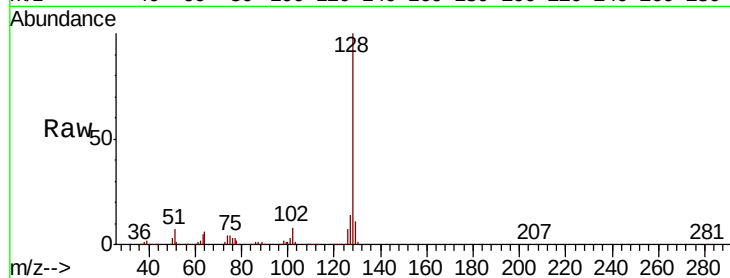




#95
Naphthalene
Concen: 52.824 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 344087
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.940 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013735.D
Acq: 25 Oct 2019 01:49

Tgt Ion:180 Resp: 182361
Ion Ratio Lower Upper
180 100
182 95.7 47.4 142.3
145 29.6 14.9 44.9

