

Data File : VW013952.D
Acq On : 08 Nov 2019 18:29
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 09 03:24:42 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	330749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	209312	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	128631	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.88	113	133198	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.32	98	554202	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.62	95	188946	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	83478	47.908	ug/l	95
3) Chloromethane	2.21	50	85462	45.637	ug/l	98
4) Vinyl Chloride	2.36	62	141768	50.129	ug/l	97
5) Bromomethane	2.78	94	92038	49.484	ug/l	97
6) Chloroethane	2.92	64	91820	53.656	ug/l	99
7) Trichlorofluoromethane	3.26	101	95688	54.169	ug/l	99
8) Diethyl Ether	3.68	74	76060	53.295	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	138265	48.148	ug/l	99
10) Methyl Iodide	4.28	142	233230	49.840	ug/l	99
11) Tert butyl alcohol	5.16	59	53918	364.017	ug/l	97
12) 1,1-Dichloroethene	4.04	96	145769	49.141	ug/l	97
13) Acrolein	3.89	56	48730	287.162	ug/l	98
14) Allyl chloride	4.67	41	234290	51.366	ug/l	98
15) Acrylonitrile	5.36	53	170258	293.391	ug/l	98
16) Acetone	4.12	43	160372	304.841	ug/l	93
17) Carbon Disulfide	4.39	76	402693	47.270	ug/l	99
18) Methyl Acetate	4.67	43	82353	57.106	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	201407	56.581	ug/l	99
20) Methylene Chloride	4.92	84	161773	56.508	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	157709	49.398	ug/l	95
22) Diisopropyl ether	6.31	45	450956	54.201	ug/l	98
23) Vinyl Acetate	6.25	43	1358173	281.332	ug/l	99
24) 1,1-Dichloroethane	6.21	63	269049	51.060	ug/l	99
25) 2-Butanone	7.17	43	228351	301.914	ug/l	97
26) 2,2-Dichloropropane	7.17	77	148881	48.862	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	173829	51.261	ug/l	98
28) Bromochloromethane	7.51	49	103139	54.806	ug/l #	97
29) Tetrahydrofuran	7.52	42	140960	301.032	ug/l	100
30) Chloroform	7.67	83	260380	49.987	ug/l	99
31) Cyclohexane	7.95	56	262413	47.587	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	204843	50.113	ug/l	100
36) 1,1-Dichloropropene	8.08	75	214526	47.977	ug/l	100
37) Ethyl Acetate	7.25	43	95175	55.604	ug/l	99
38) Carbon Tetrachloride	8.07	117	192069	47.701	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	285671	49.472	ug/l	99
40) Benzene	8.32	78	622657	49.206	ug/l	99
41) Methacrylonitrile	7.48	41	60657	56.828	ug/l	93
42) 1,2-Dichloroethane	8.40	62	159763	50.101	ug/l	100
43) Isopropyl Acetate	8.42	43	184871	56.426	ug/l	98
44) Trichloroethene	9.09	130	177121	48.864	ug/l	97
45) 1,2-Dichloropropane	9.37	63	153958	50.937	ug/l	98
46) Dibromomethane	9.46	93	74783	50.976	ug/l	98
47) Bromodichloromethane	9.64	83	191382	50.420	ug/l	98
48) Methyl methacrylate	9.43	41	86087	52.985	ug/l	95
49) 1,4-Dioxane	9.45	88	26786	1235.629	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	467508	287.153	ug/l	100
52) Toluene	10.38	92	402713	49.337	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	202834	52.786	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	244335	51.538	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	114635	52.432	ug/l	97
56) Ethyl methacrylate	10.65	69	156526	57.223	ug/l	99
57) 1,3-Dichloropropane	10.93	76	194068	51.725	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	365778	290.548	ug/l	99
59) 2-Hexanone	10.96	43	327979	292.215	ug/l	98
60) Dibromochloromethane	11.13	129	129695	49.962	ug/l	100
61) 1,2-Dibromoethane	11.23	107	107853	52.143	ug/l	100
64) Tetrachloroethene	10.86	164	155328	49.352	ug/l	98
65) Chlorobenzene	11.66	112	422278	49.885	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	150049	50.790	ug/l	99
67) Ethyl Benzene	11.73	91	767630	50.290	ug/l	98
68) m/p-Xylenes	11.84	106	588541	99.799	ug/l	99
69) o-Xylene	12.16	106	274417	50.625	ug/l	99
70) Styrene	12.18	104	483298	51.893	ug/l	99
71) Bromoform	12.35	173	80686	52.043	ug/l	98
73) Isopropylbenzene	12.46	105	769123	51.168	ug/l	99
74) N-amyl acetate	12.27	43	175796	60.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	127638	53.810	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	162604	108.175	ug/l #	100
77) Bromobenzene	12.74	156	185004	51.522	ug/l	98
78) n-propylbenzene	12.80	91	893688	51.367	ug/l	99
79) 2-Chlorotoluene	12.89	91	500497	51.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	651248	51.324	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	44079	55.419	ug/l	97
82) 4-Chlorotoluene	12.99	91	523461	50.998	ug/l	99
83) tert-Butylbenzene	13.21	119	583611	51.815	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	653129	52.180	ug/l	99
85) sec-Butylbenzene	13.38	105	790159	51.302	ug/l	99
86) p-Isopropyltoluene	13.50	119	742364	51.743	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	356152	51.191	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	350305	50.683	ug/l	100
89) n-Butylbenzene	13.82	91	672521	51.931	ug/l	99
90) Hexachloroethane	14.09	117	125144	50.182	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	313082	51.900	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19983	55.712	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110819\
Quantitation Report (Not Reviewed)

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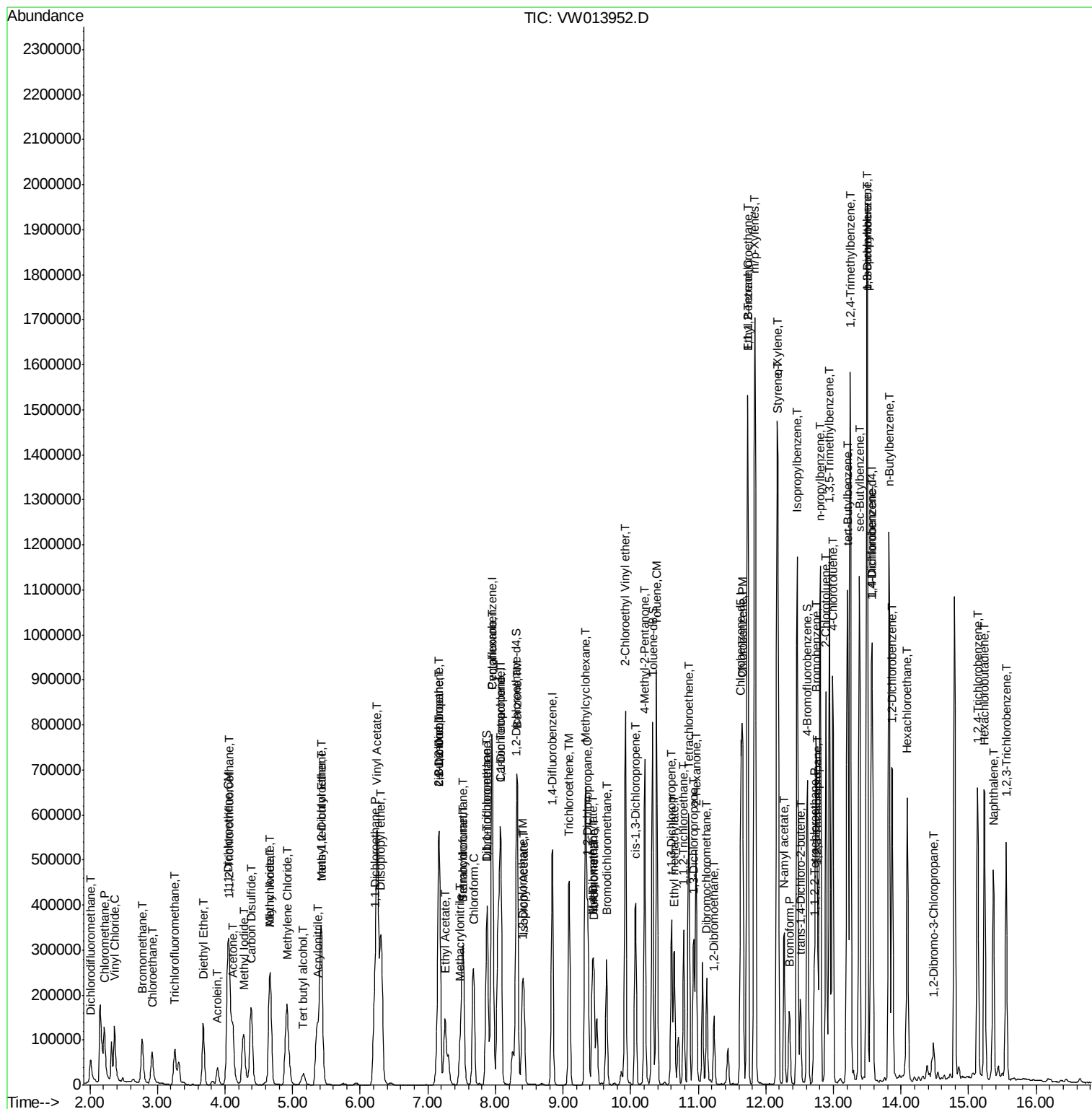
Quant Time: Nov 09 03:24:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
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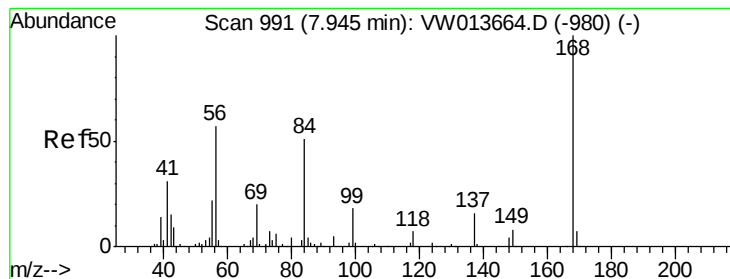
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	237592	54.119	ug/l	99
94) Hexachlorobutadiene	15.24	225	150912	50.920	ug/l	98
95) Naphthalene	15.36	128	408174	59.300	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	204626	54.092	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

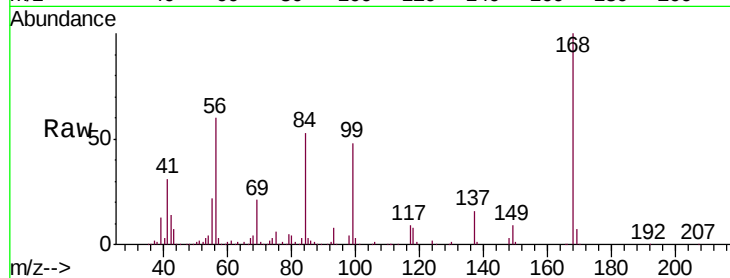
VSTDCCC050EC

Tgt Ion:168 Resp: 330749

Ion Ratio Lower Upper

168 100

99 48.1 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

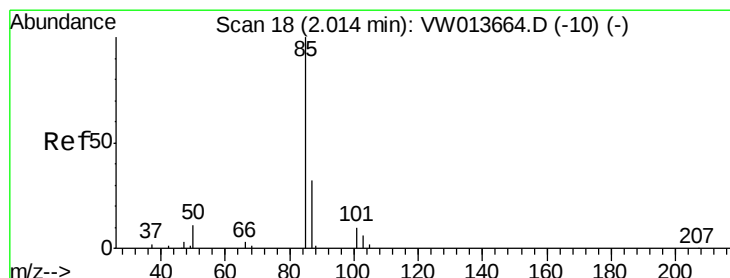
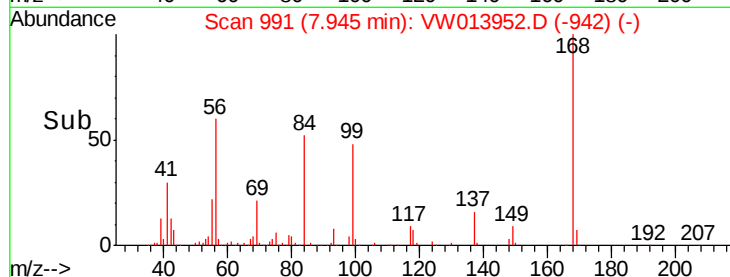
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 47.908 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013952.D

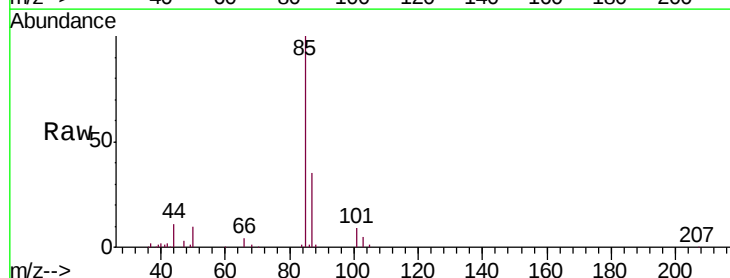
Acq: 08 Nov 2019 18:29

Tgt Ion: 85 Resp: 83478

Ion Ratio Lower Upper

85 100

87 34.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

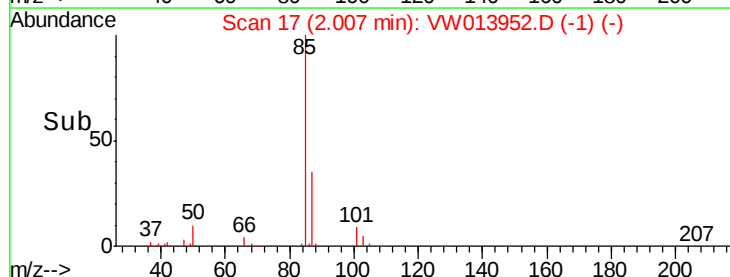
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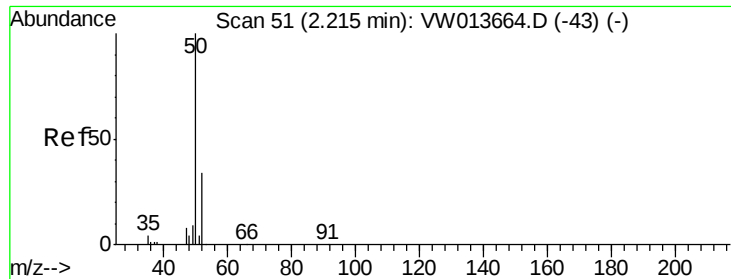
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 45.637 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

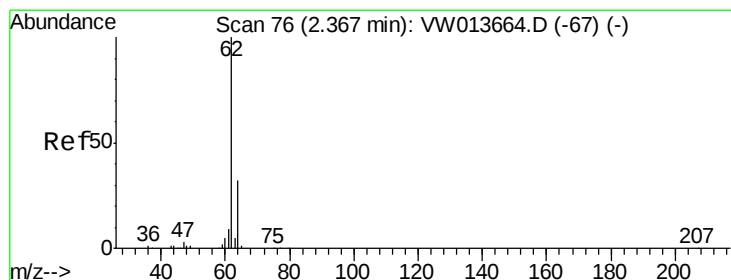
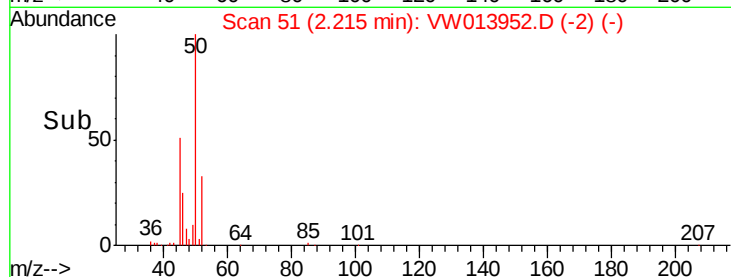
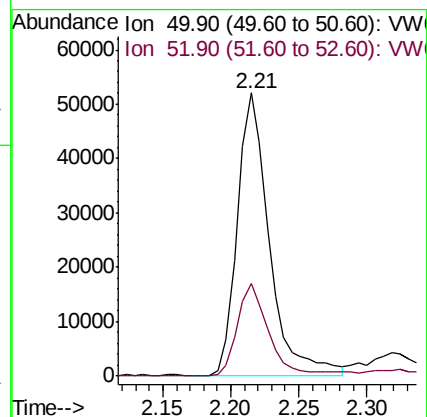
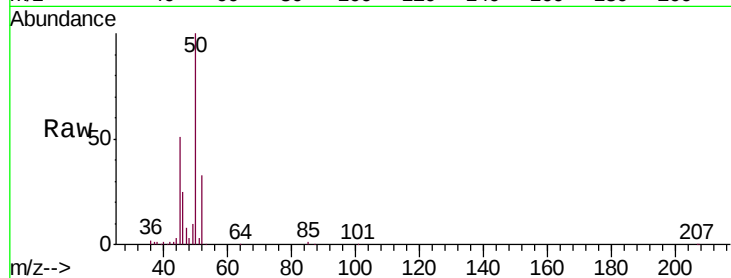
VSTDCCC050EC

Tgt Ion: 50 Resp: 85462

Ion Ratio Lower Upper

50 100

52 32.7 26.9 40.3



#4

Vinyl Chloride

Concen: 50.129 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013952.D

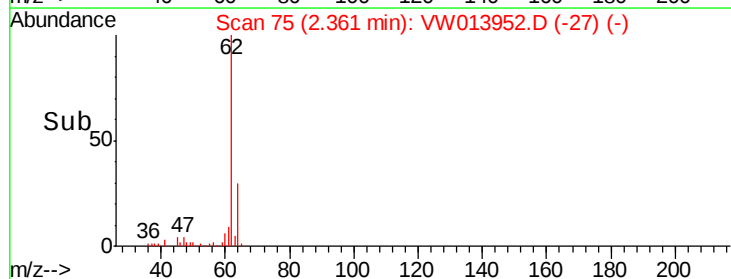
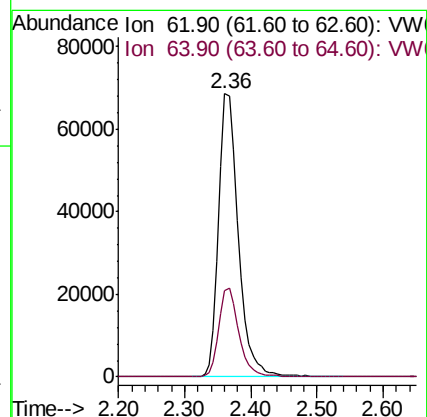
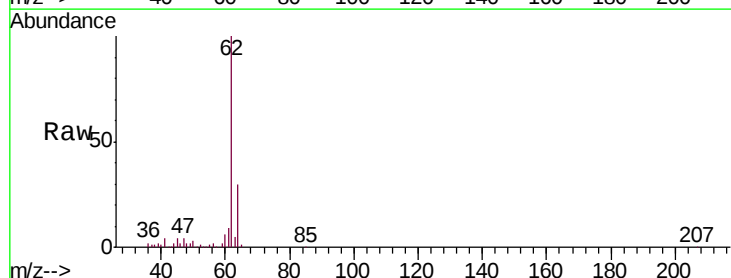
Acq: 08 Nov 2019 18:29

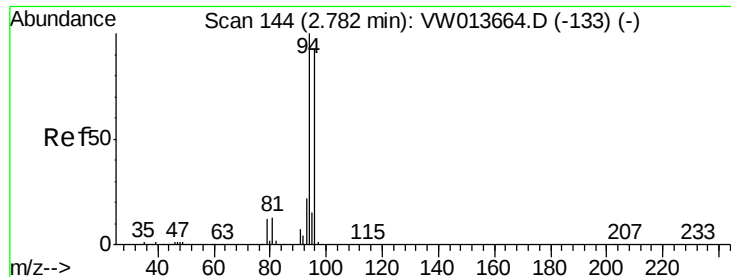
Tgt Ion: 62 Resp: 141768

Ion Ratio Lower Upper

62 100

64 30.4 25.5 38.3





#5

Bromomethane

Concen: 49.484 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

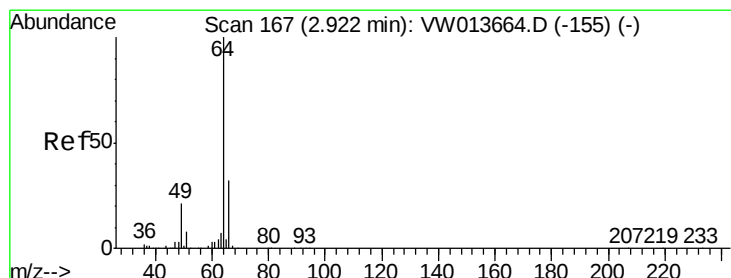
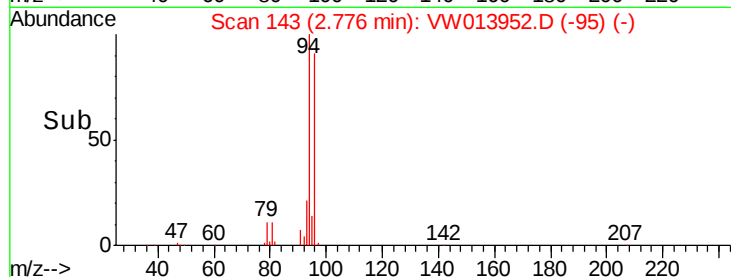
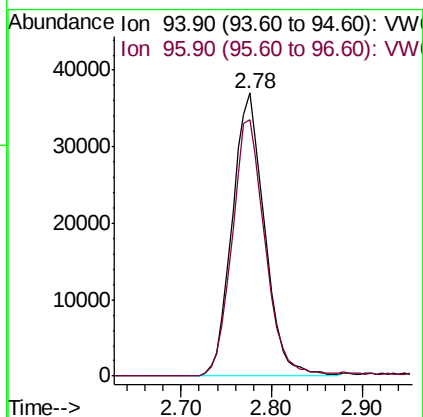
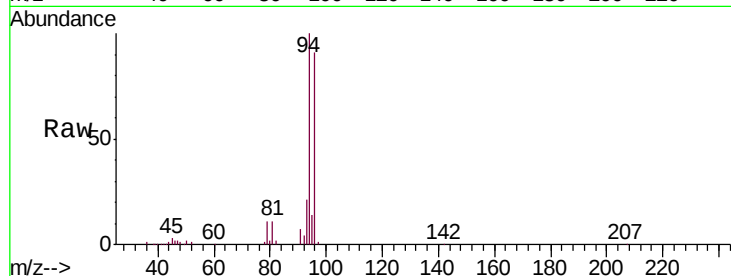
VSTDCCC050EC

Tgt Ion: 94 Resp: 92038

Ion Ratio Lower Upper

94 100

96 90.8 74.6 112.0



#6

Chloroethane

Concen: 53.656 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013952.D

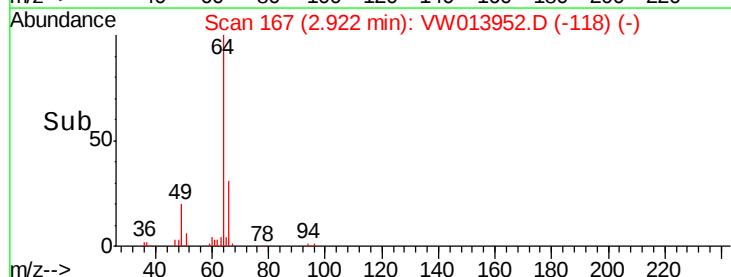
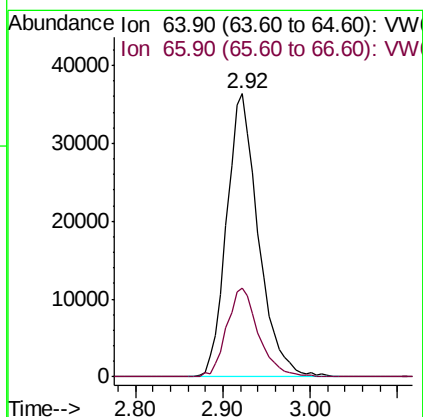
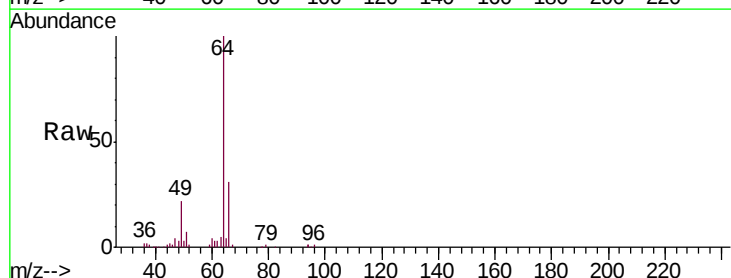
Acq: 08 Nov 2019 18:29

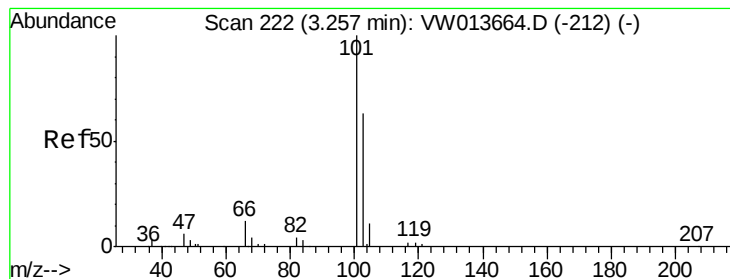
Tgt Ion: 64 Resp: 91820

Ion Ratio Lower Upper

64 100

66 31.2 25.4 38.0



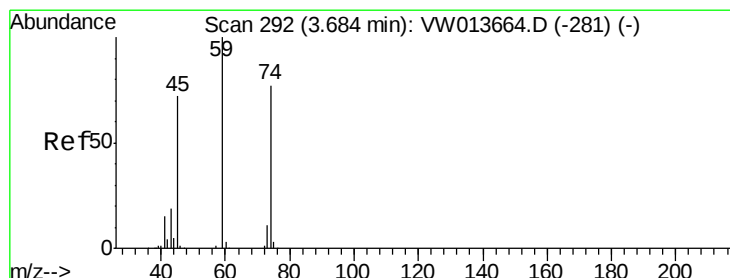
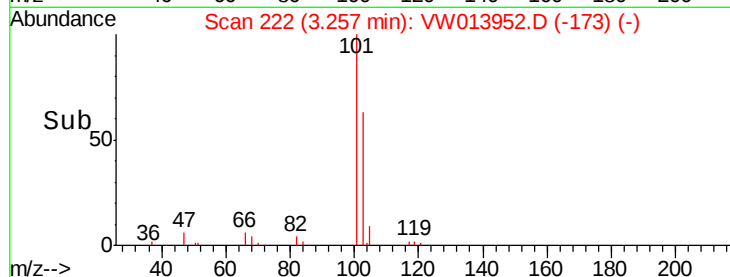
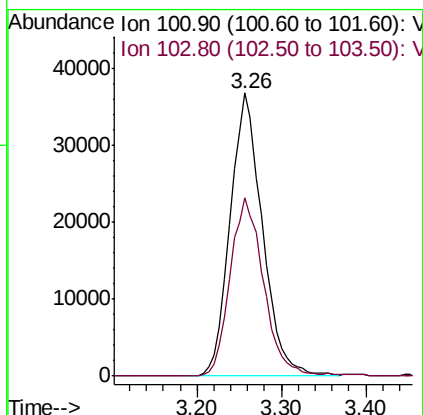
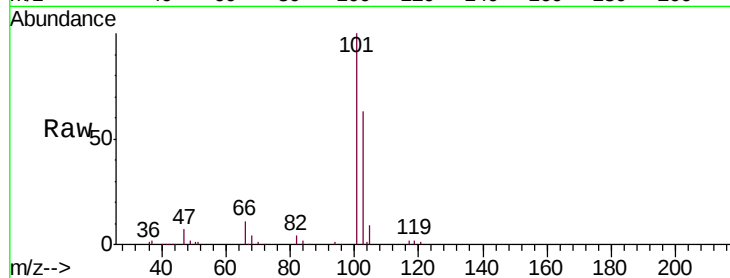


#7

Trichlorofluoromethane
 Concen: 54.169 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
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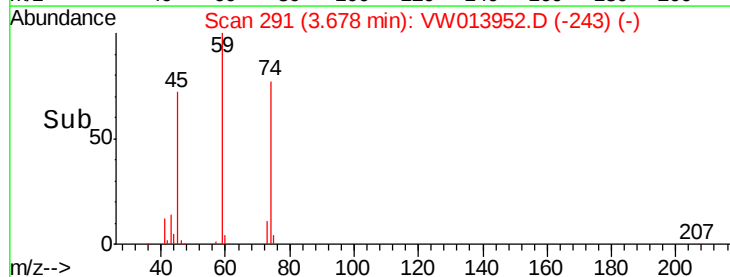
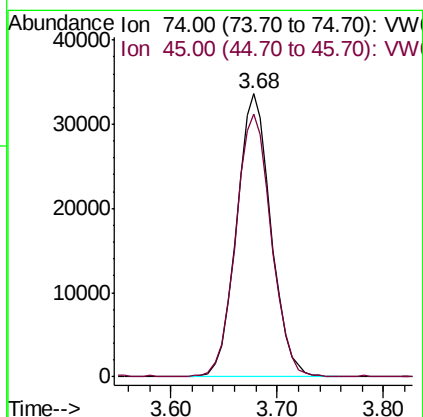
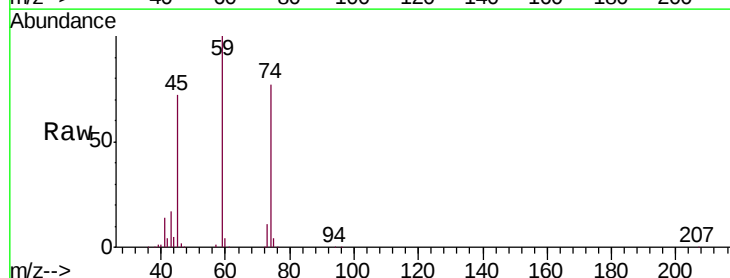
Tgt Ion:101 Resp: 95688
 Ion Ratio Lower Upper
 101 100
 103 62.9 50.6 76.0

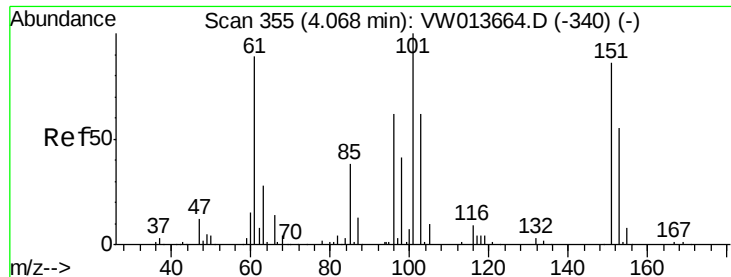


#8

Diethyl Ether
 Concen: 53.295 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion: 74 Resp: 76060
 Ion Ratio Lower Upper
 74 100
 45 96.3 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.148 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013952.D

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Instrument :

MSVOA_W

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VSTDCCC050EC

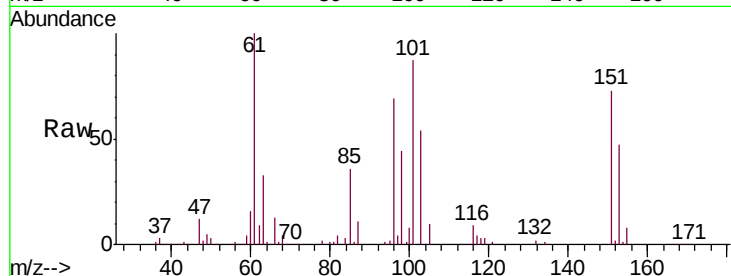
Tgt Ion:101 Resp: 138265

Ion Ratio Lower Upper

101 100

85 40.7 31.0 46.6

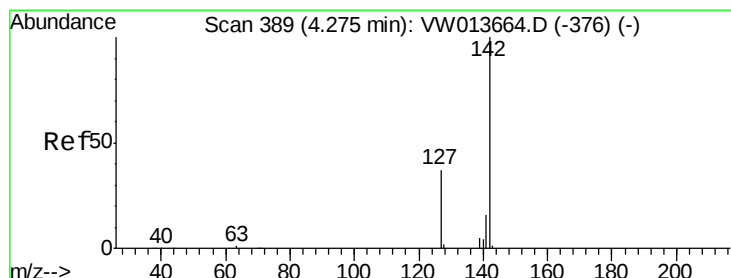
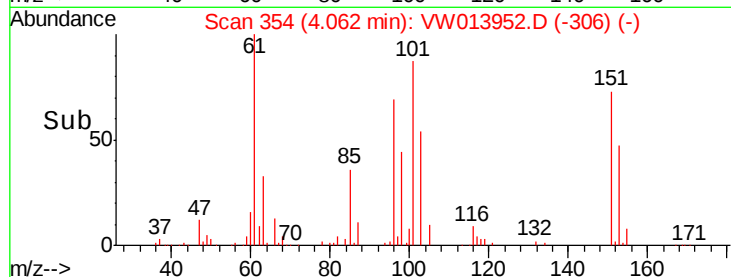
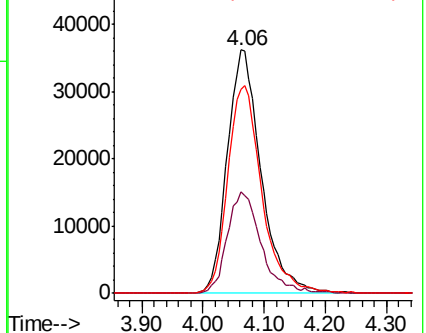
151 85.9 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.840 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

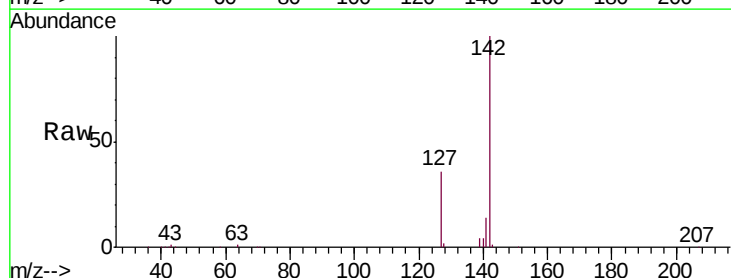
Tgt Ion:142 Resp: 233230

Ion Ratio Lower Upper

142 100

127 37.1 30.3 45.5

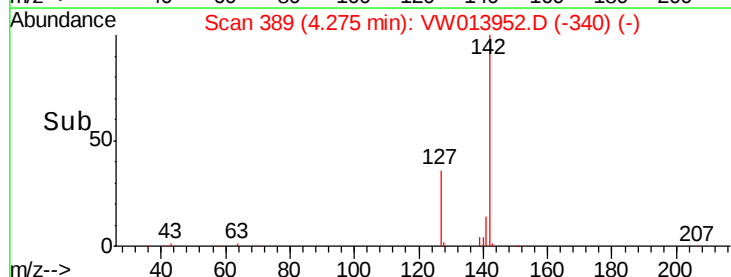
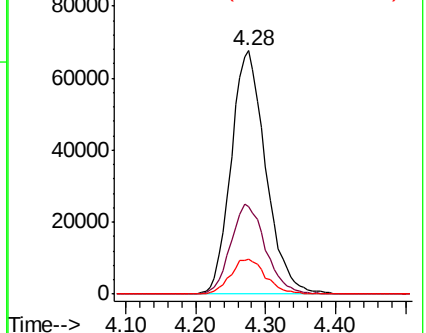
141 14.6 11.8 17.8

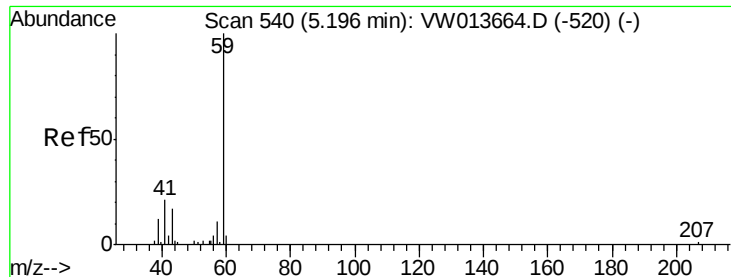


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



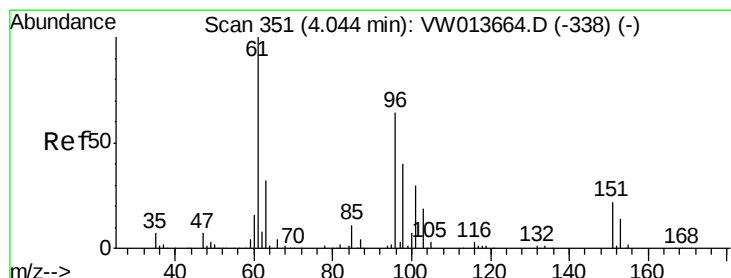
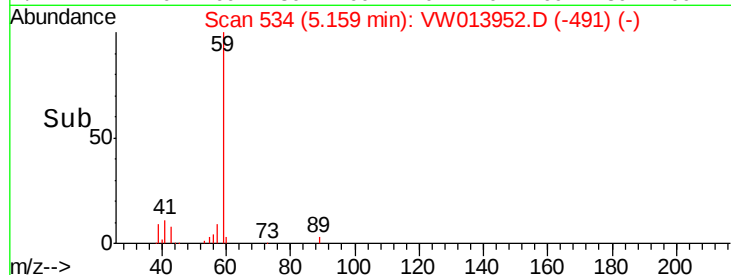
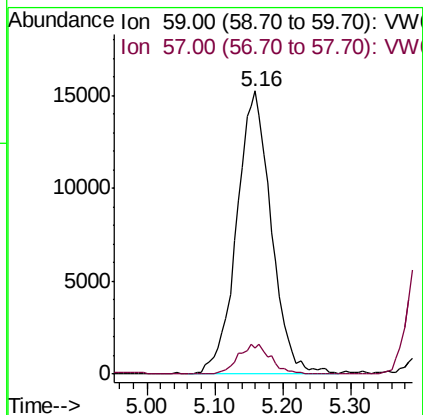
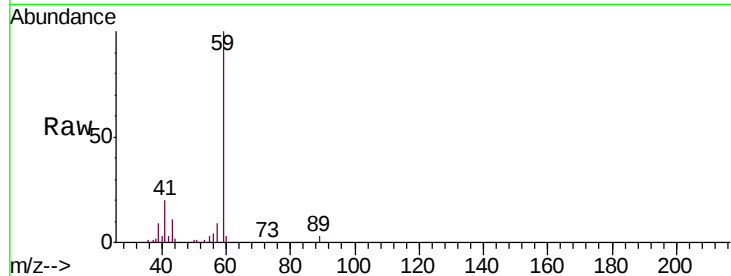


#11

Tert butyl alcohol
 Concen: 364.017 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.04 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

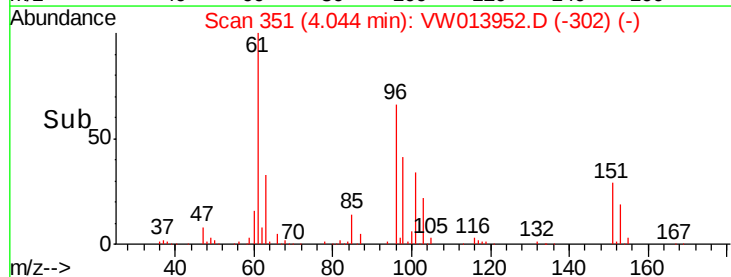
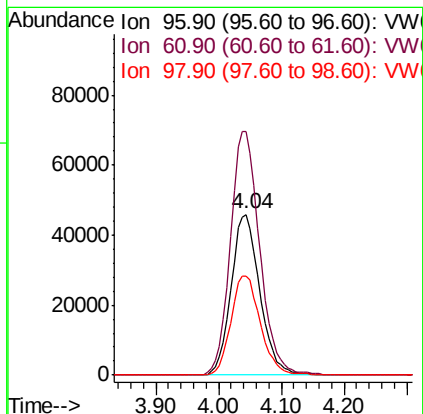
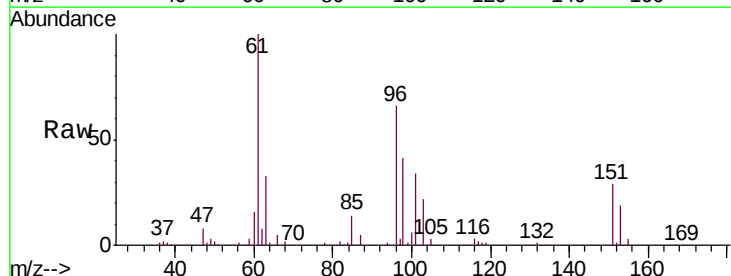
Tgt Ion: 59 Resp: 53918
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.8 13.2

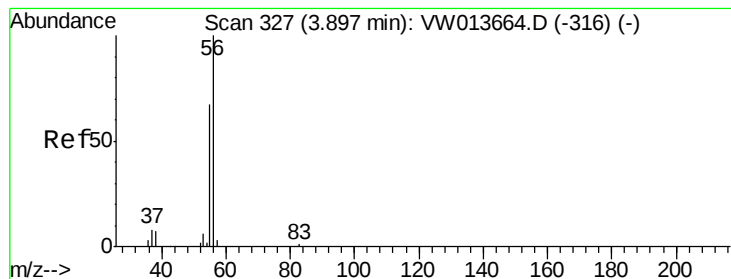


#12

1,1-Dichloroethene
 Concen: 49.141 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion: 96 Resp: 145769
 Ion Ratio Lower Upper
 96 100
 61 151.1 125.0 187.6
 98 61.6 50.3 75.5





#13

Acrolein

Concen: 287.162 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

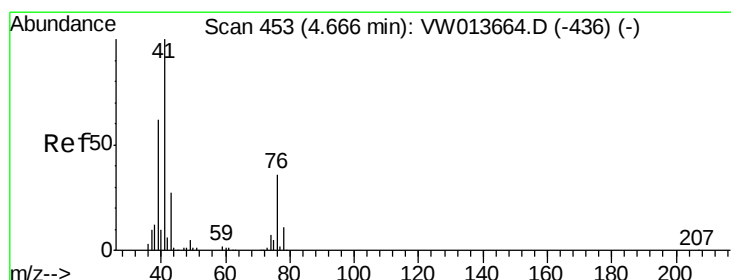
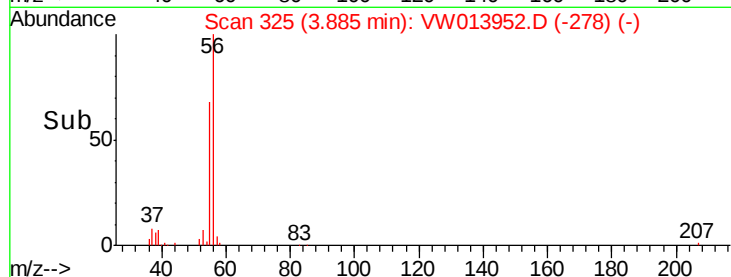
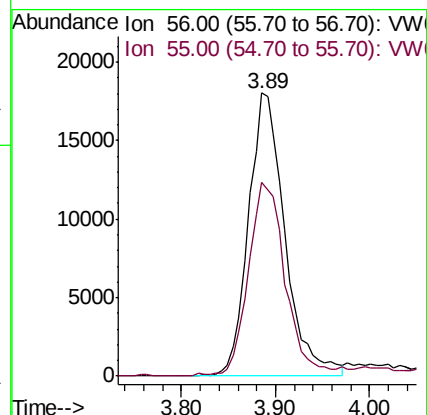
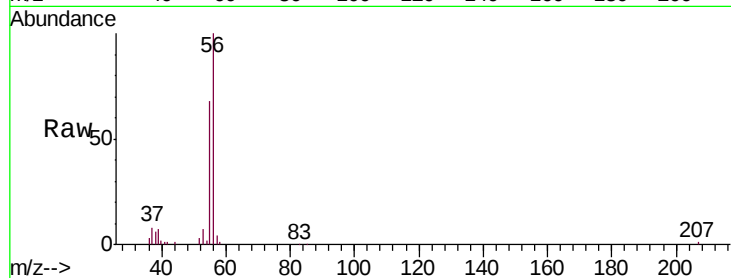
VSTDCCC050EC

Tgt Ion: 56 Resp: 48730

Ion Ratio Lower Upper

56 100

55 68.8 56.1 84.1



#14

Allyl chloride

Concen: 51.366 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

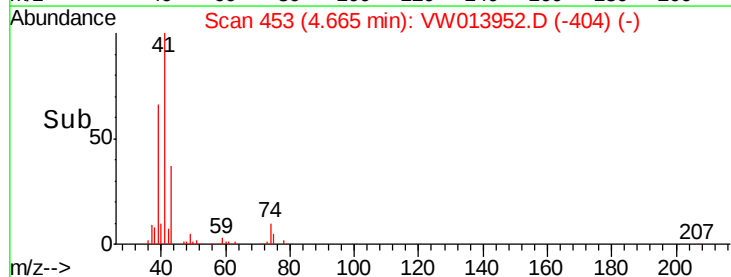
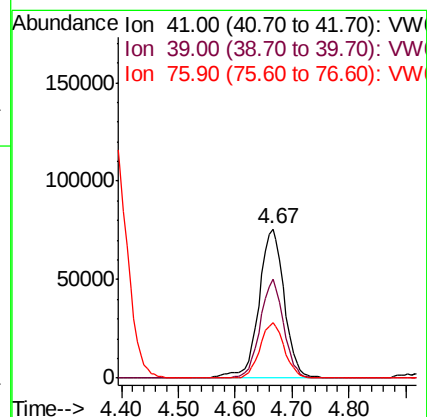
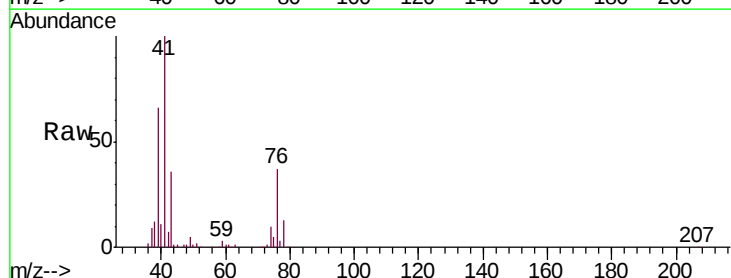
Tgt Ion: 41 Resp: 234290

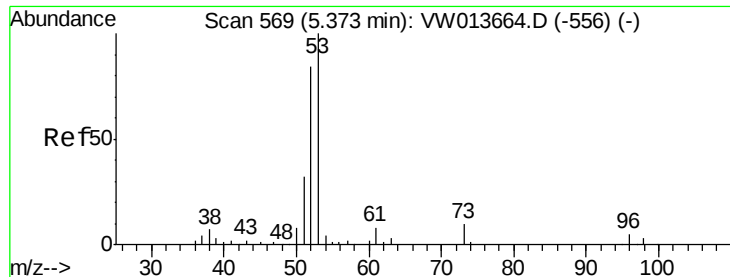
Ion Ratio Lower Upper

41 100

39 61.7 50.0 75.0

76 35.3 29.6 44.4





#15

Acrylonitrile

Concen: 293.391 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

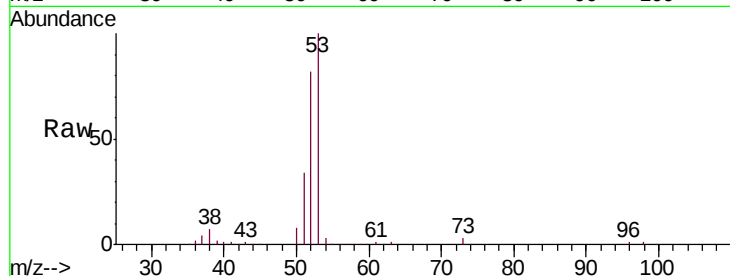
Tgt Ion: 53 Resp: 170258

Ion Ratio Lower Upper

53 100

52 82.3 67.4 101.0

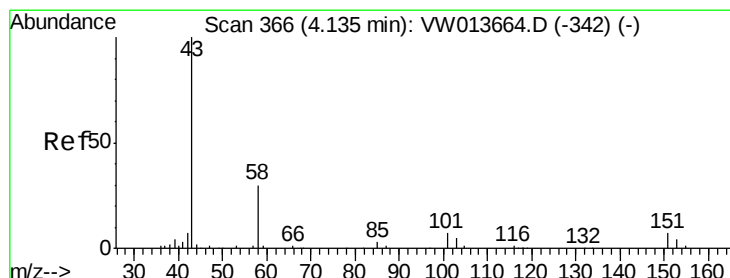
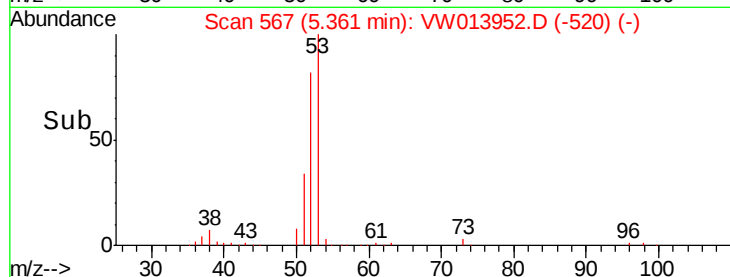
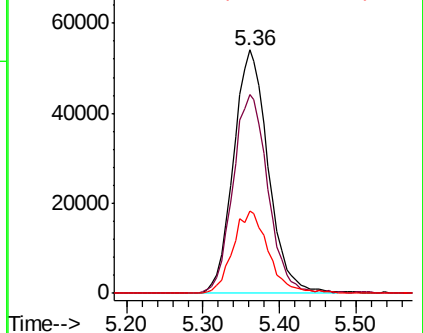
51 34.5 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 304.841 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW013952.D

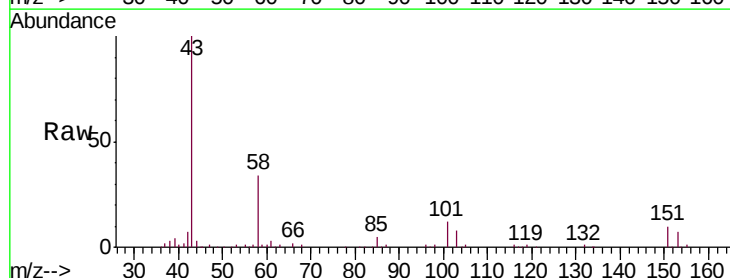
Acq: 08 Nov 2019 18:29

Tgt Ion: 43 Resp: 160372

Ion Ratio Lower Upper

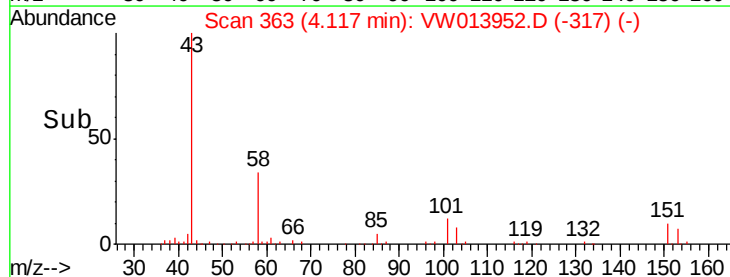
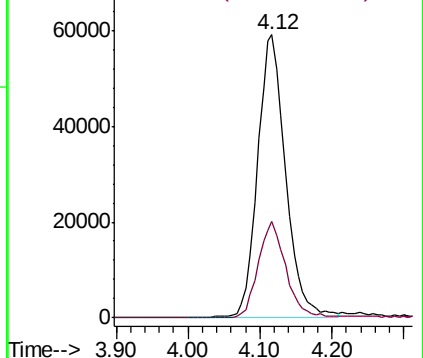
43 100

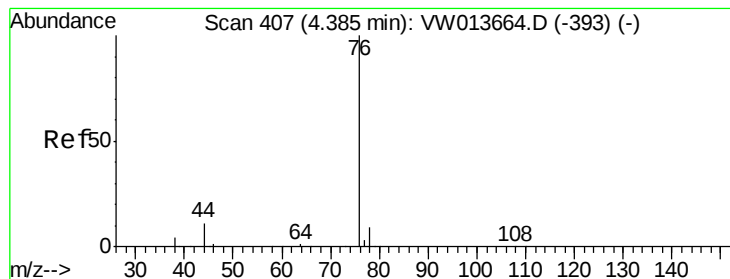
58 33.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 47.270 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

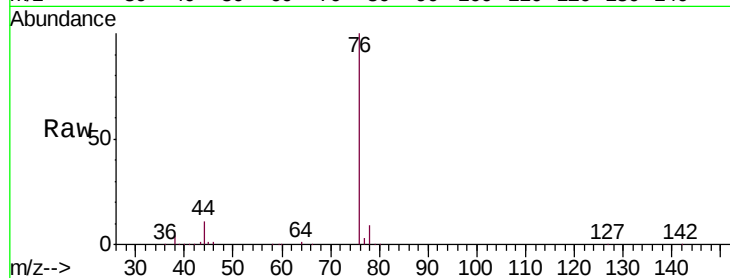
VSTDCCC050EC

Tgt Ion: 76 Resp: 402693

Ion Ratio Lower Upper

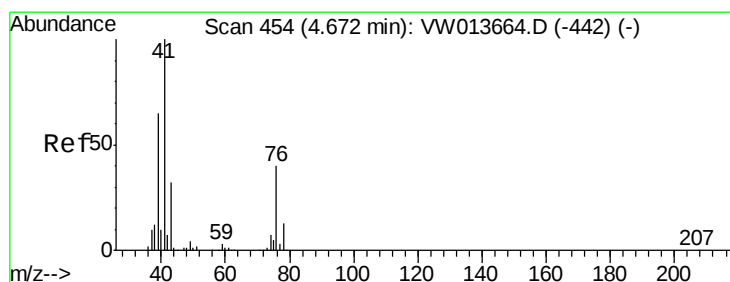
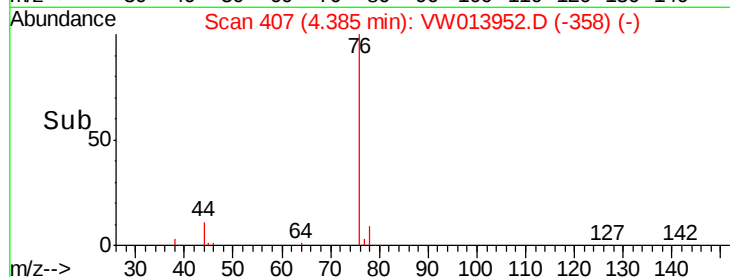
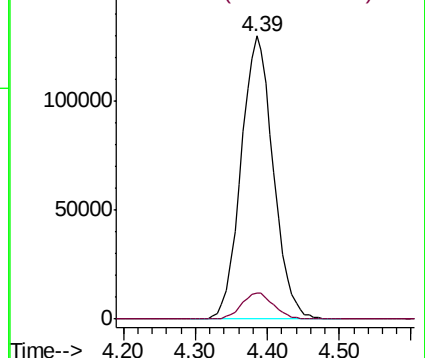
76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 57.106 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013952.D

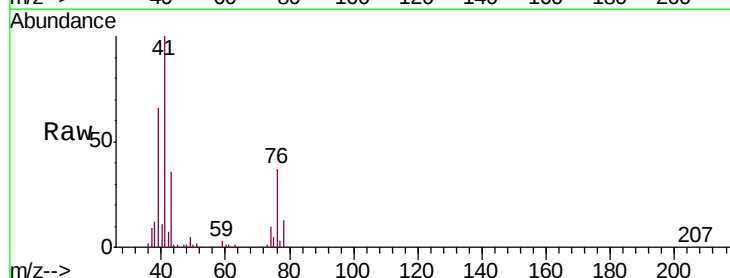
Acq: 08 Nov 2019 18:29

Tgt Ion: 43 Resp: 82353

Ion Ratio Lower Upper

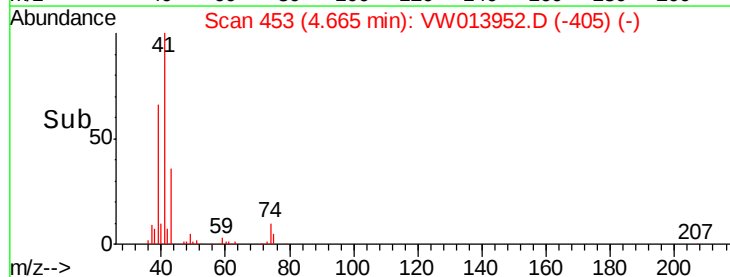
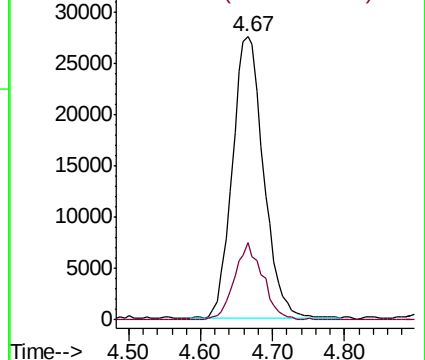
43 100

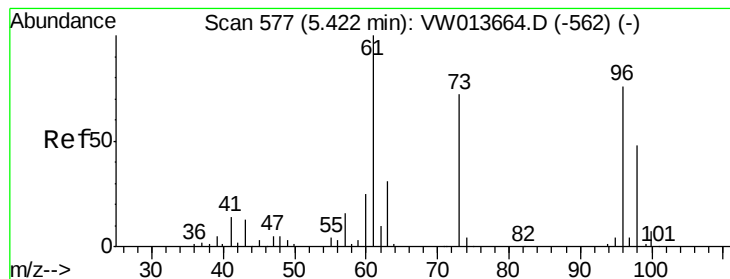
74 25.1 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 56.581 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

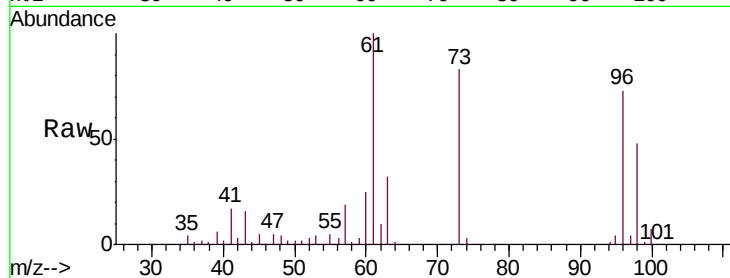
VSTDCCC050EC

Tgt Ion: 73 Resp: 201407

Ion Ratio Lower Upper

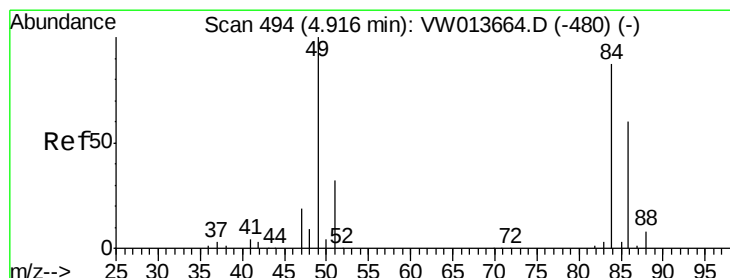
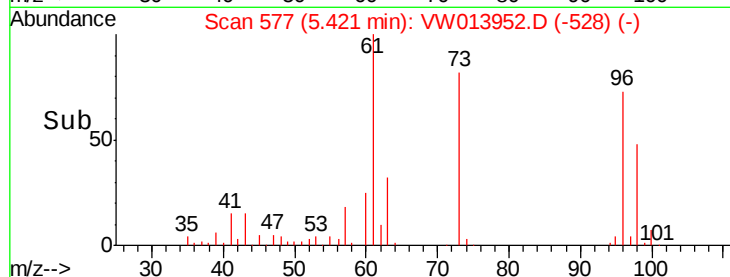
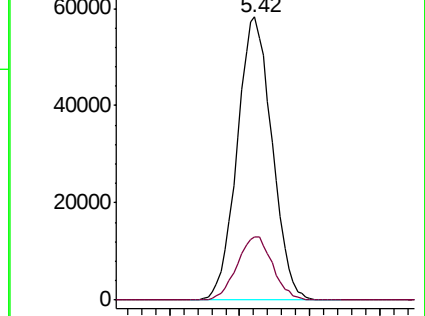
73 100

57 22.5 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 56.508 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Tgt Ion: 84 Resp: 161773

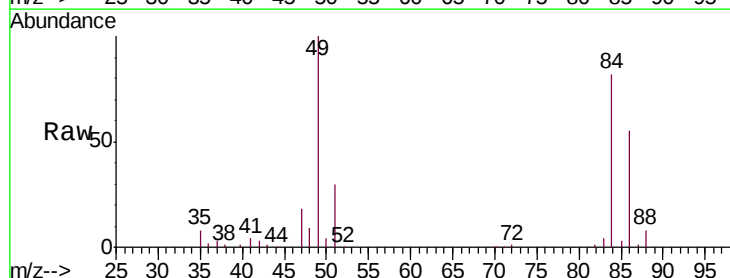
Ion Ratio Lower Upper

84 100

49 122.5 91.8 137.6

51 37.0 29.8 44.6

86 66.9 55.2 82.8

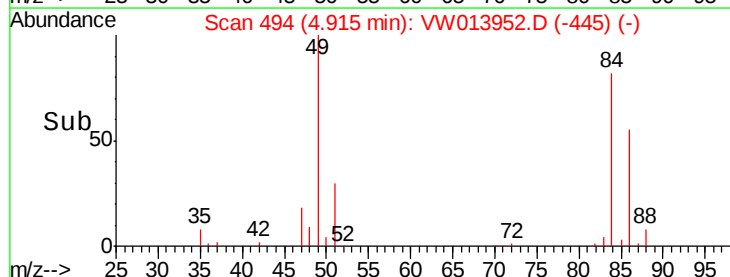
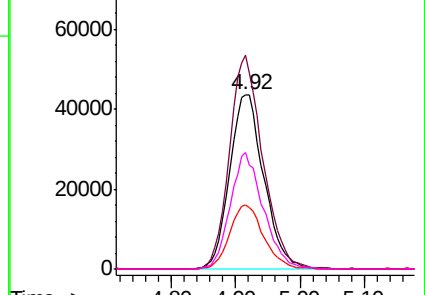


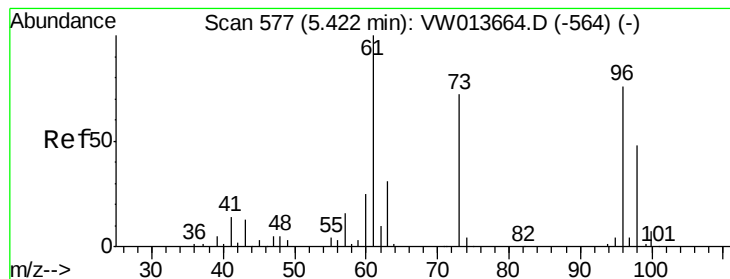
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 49.398 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

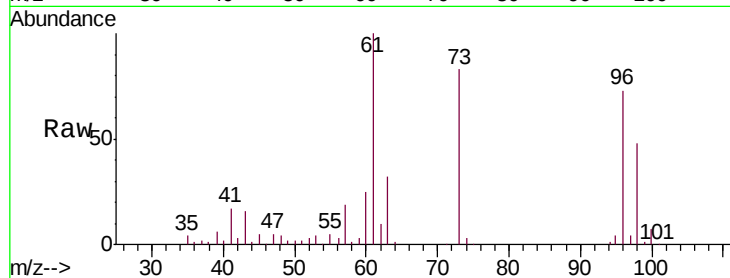
Tgt Ion: 96 Resp: 157709

Ion Ratio Lower Upper

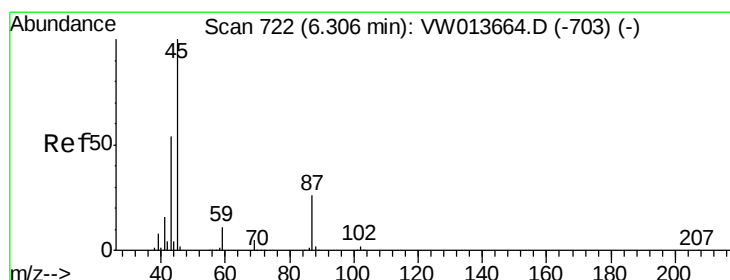
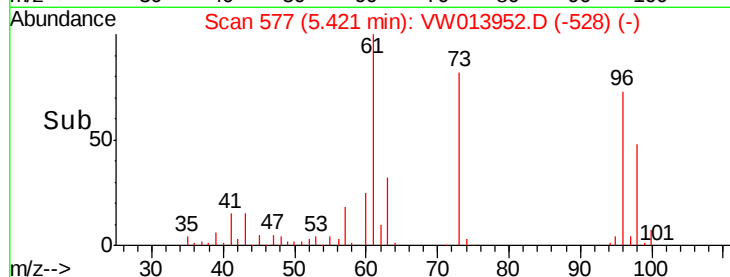
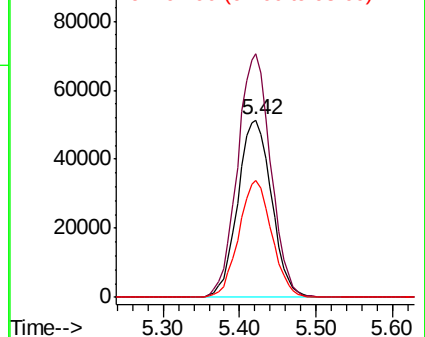
96 100

61 137.1 104.8 157.2

98 66.1 50.6 76.0



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



#22

Diisopropyl ether

Concen: 54.201 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Tgt Ion: 45 Resp: 450956

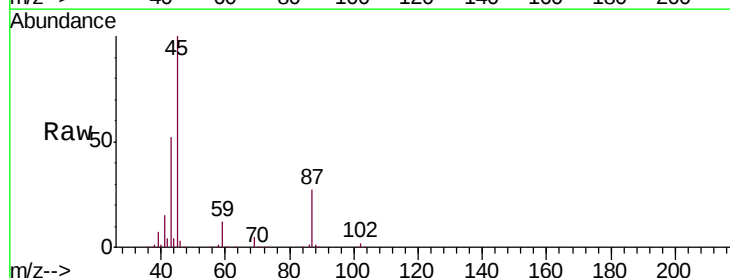
Ion Ratio Lower Upper

45 100

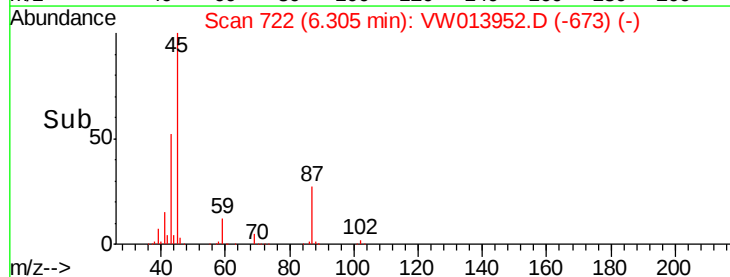
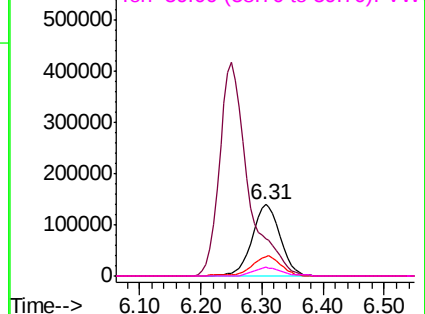
43 52.2 43.4 65.2

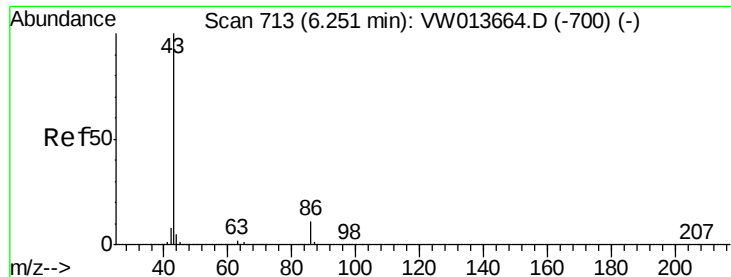
87 27.2 21.5 32.3

59 11.7 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 281.332 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

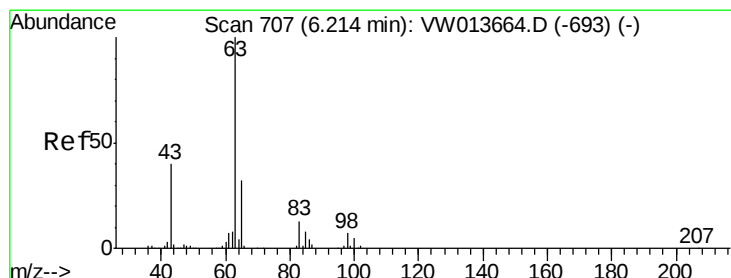
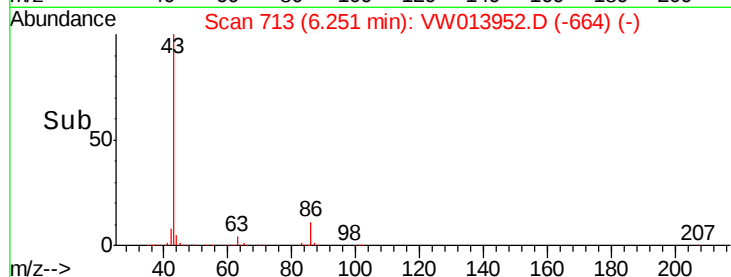
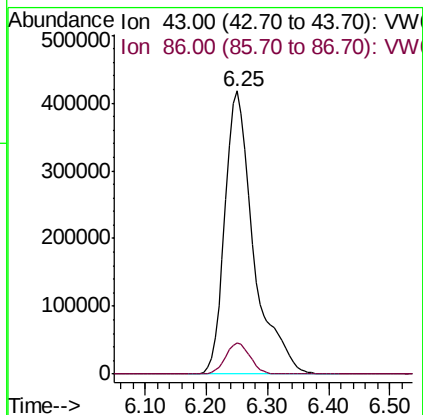
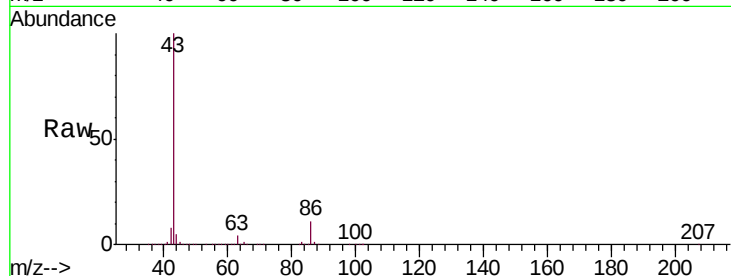
VSTDCCC050EC

Tgt Ion: 43 Resp: 1358173

Ion Ratio Lower Upper

43 100

86 10.8 9.0 13.6



#24

1,1-Dichloroethane

Concen: 51.060 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

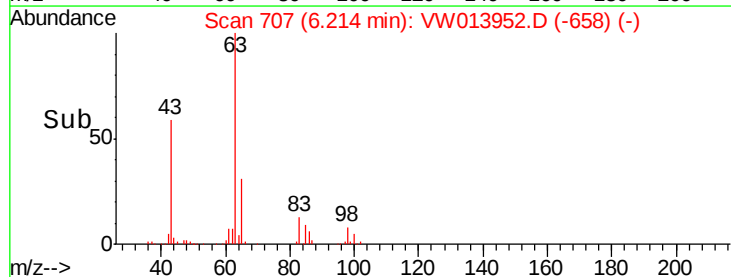
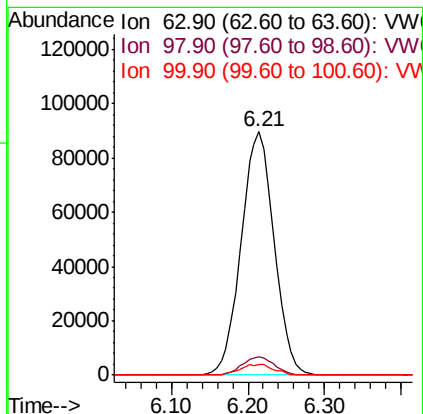
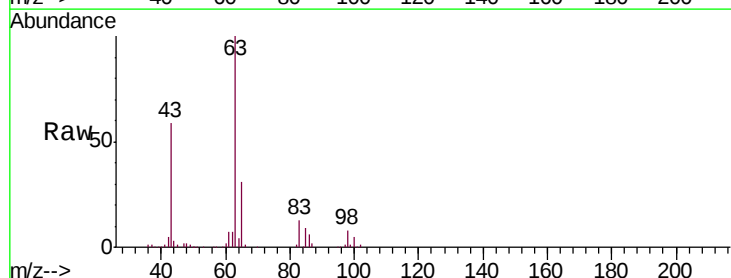
Tgt Ion: 63 Resp: 269049

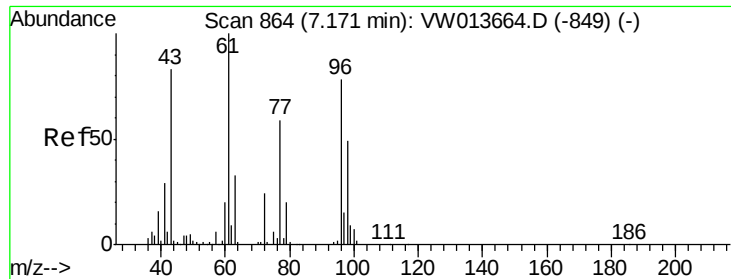
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 301.914 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

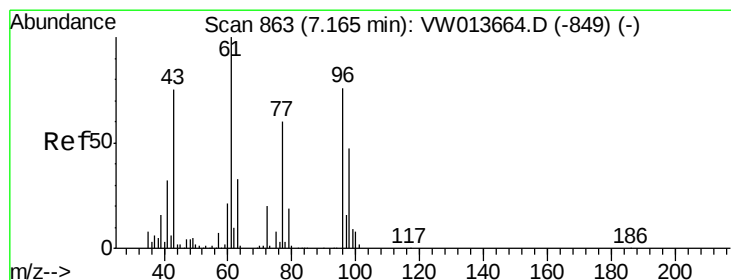
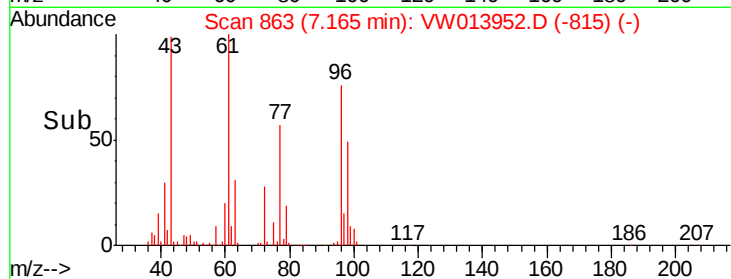
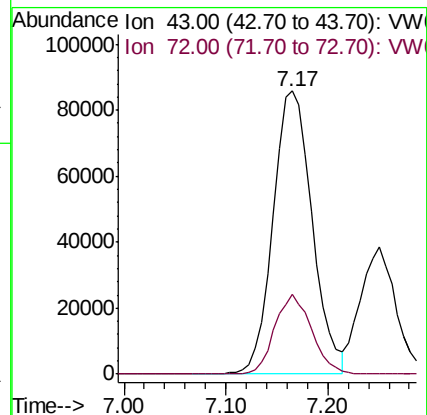
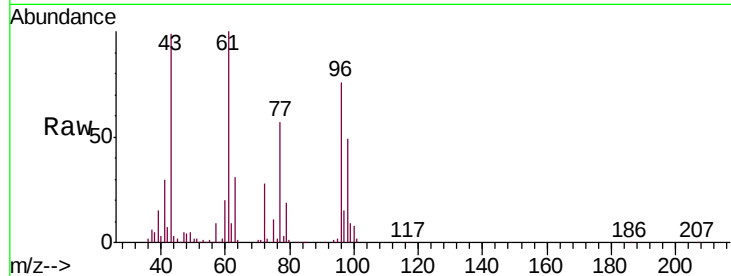
VSTDCCC050EC

Tgt Ion: 43 Resp: 228351

Ion Ratio Lower Upper

43 100

72 28.1 23.6 35.4



#26

2,2-Dichloropropane

Concen: 48.862 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013952.D

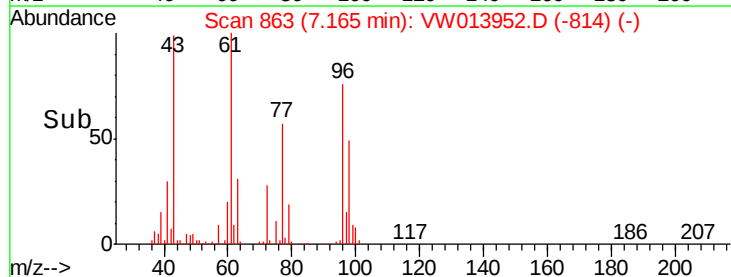
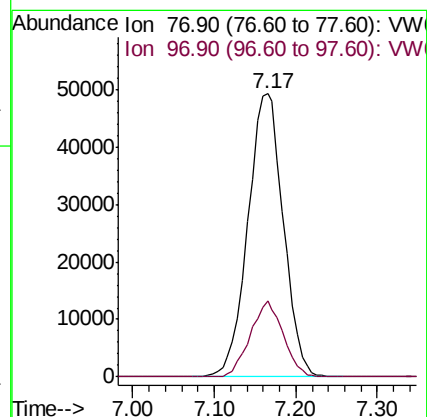
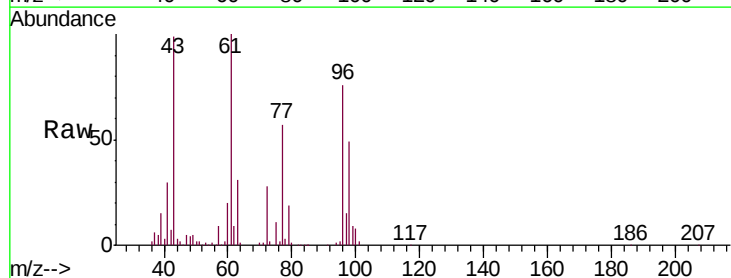
Acq: 08 Nov 2019 18:29

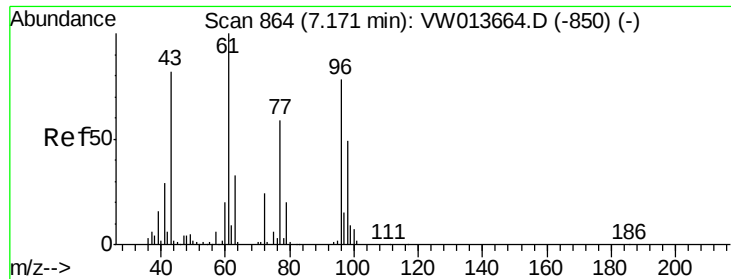
Tgt Ion: 77 Resp: 148881

Ion Ratio Lower Upper

77 100

97 24.9 12.8 38.4



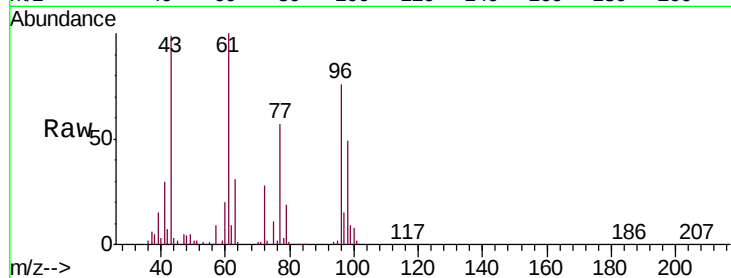


#27

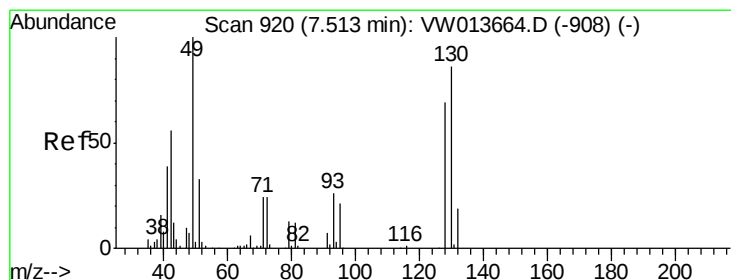
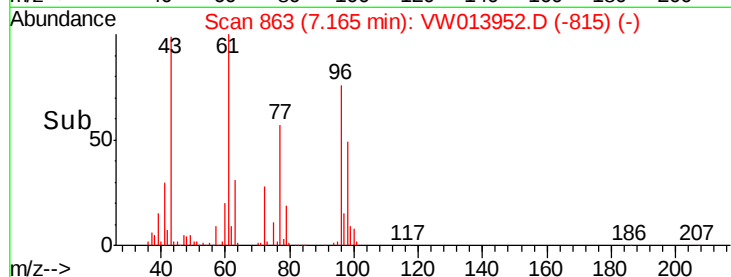
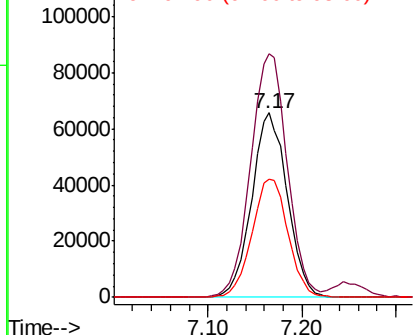
cis-1,2-Dichloroethene
 Concen: 51.261 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 173829
 Ion Ratio Lower Upper
 96 100
 61 136.0 0.0 266.0
 98 64.8 0.0 126.8



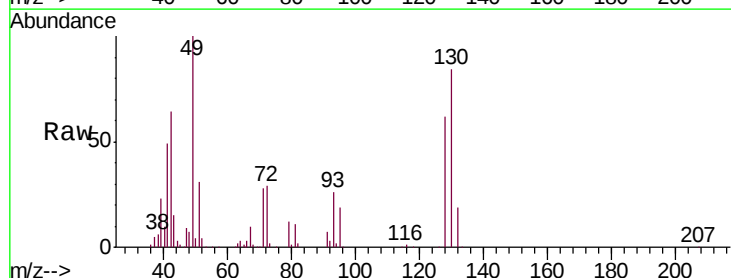
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



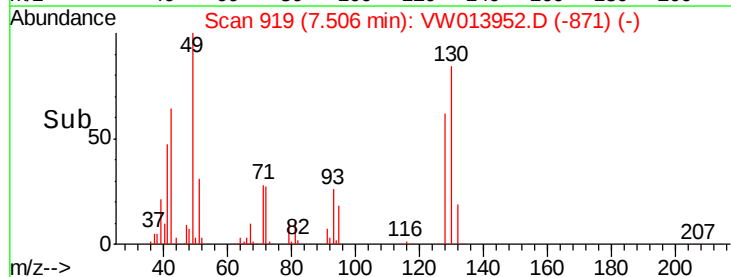
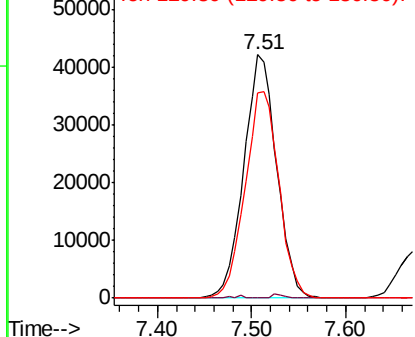
#28

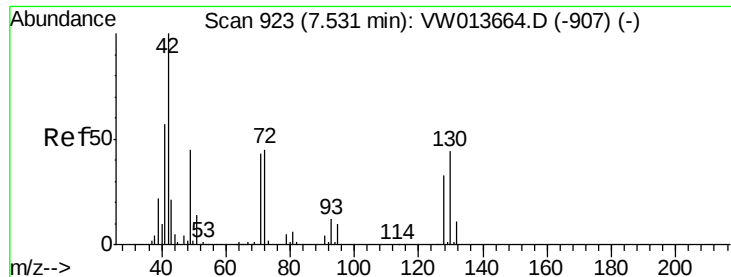
Bromochloromethane
 Concen: 54.806 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion: 49 Resp: 103139
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 0.6#
 130 87.0 67.5 101.3



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

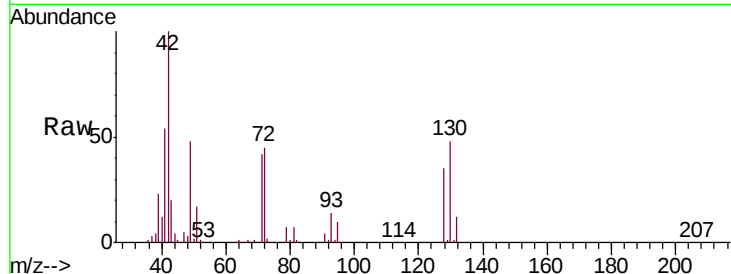




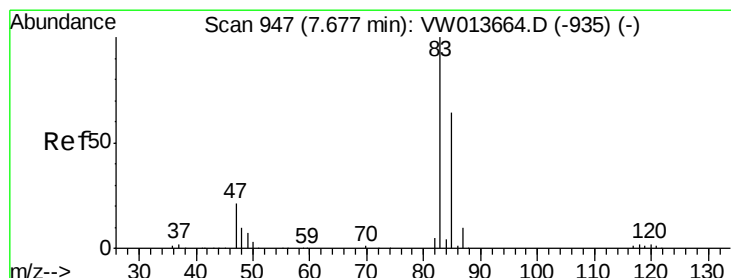
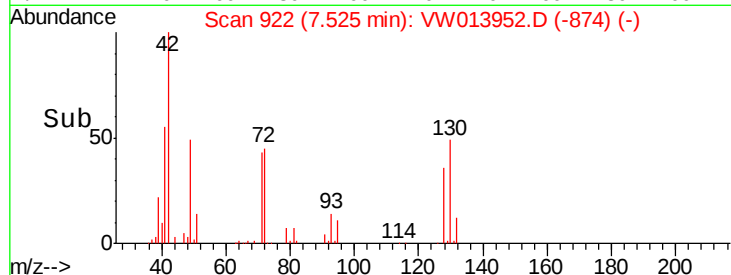
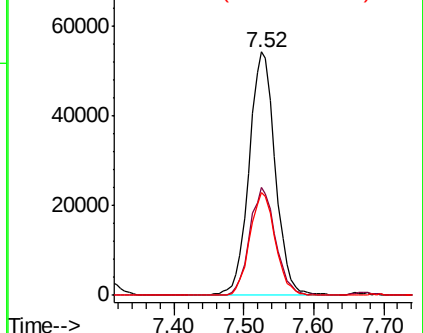
#29
Tetrahydrofuran
Concen: 301.032 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 140960
Ion Ratio Lower Upper
42 100
72 43.9 35.3 52.9
71 41.2 33.3 49.9

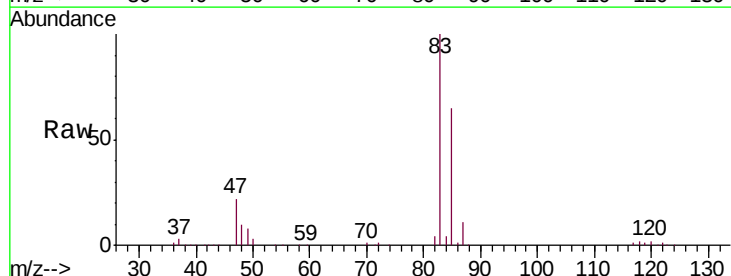


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

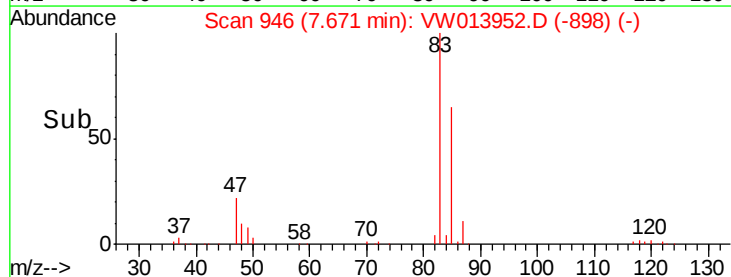
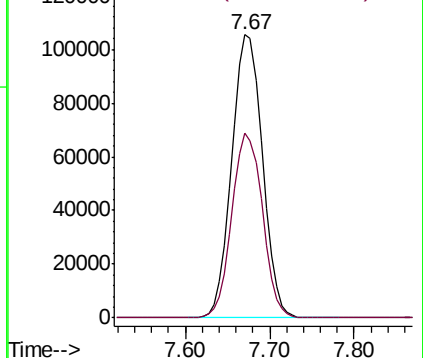


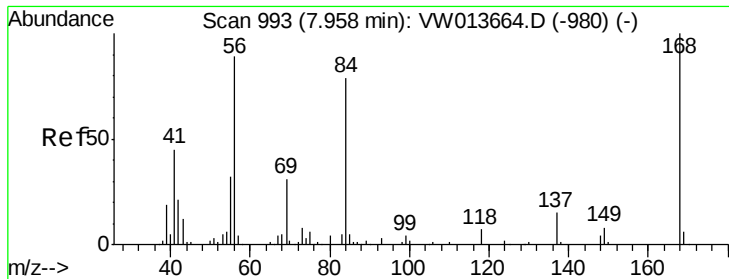
#30
Chloroform
Concen: 49.987 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion: 83 Resp: 260380
Ion Ratio Lower Upper
83 100
85 65.1 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

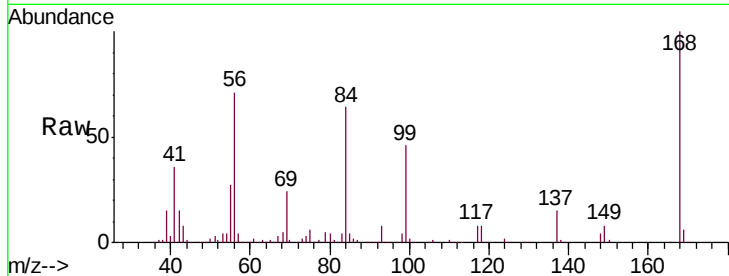




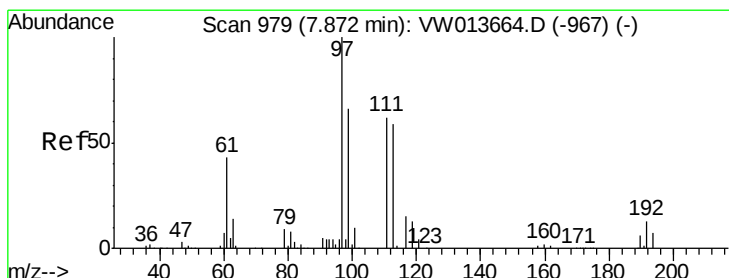
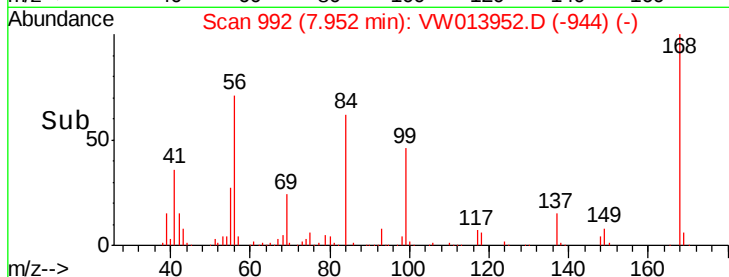
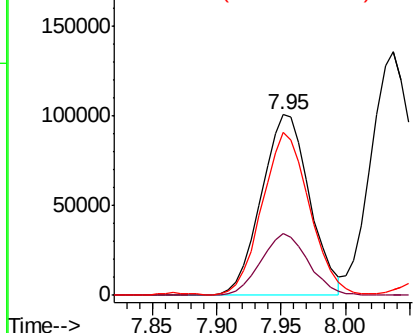
#31
Cyclohexane
Concen: 47.587 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 262413
Ion Ratio Lower Upper
56 100
69 34.2 27.5 41.3
84 89.4 70.8 106.2

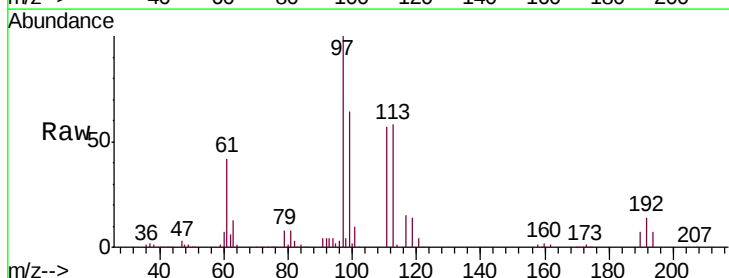


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

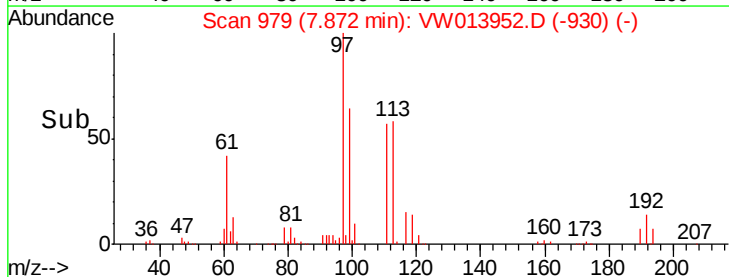
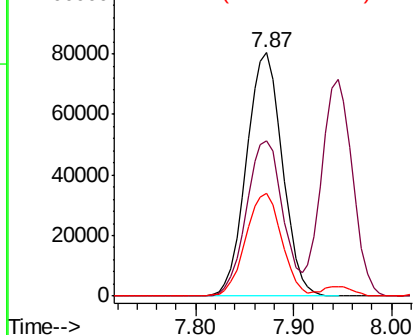


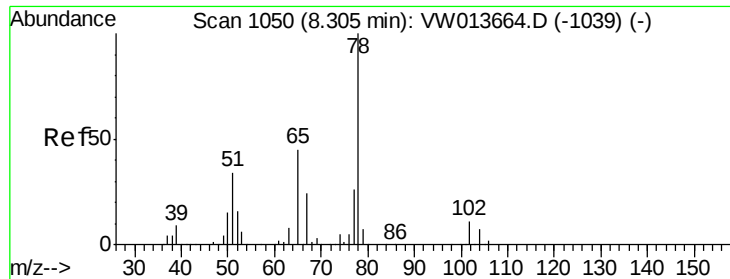
#32
1,1,1-Trichloroethane
Concen: 50.113 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion: 97 Resp: 204843
Ion Ratio Lower Upper
97 100
99 65.2 52.0 78.0
61 42.4 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

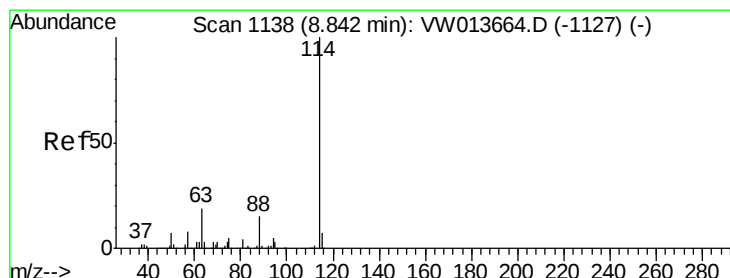
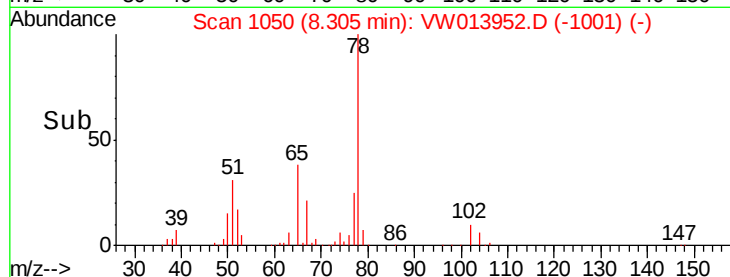
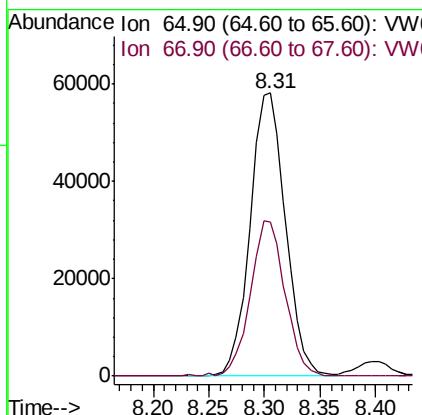
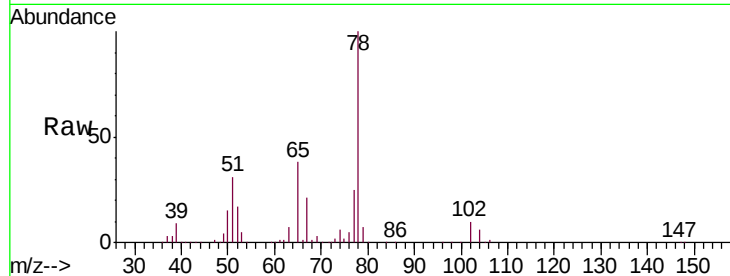




#33
 1,2-Dichloroethane-d4
 Concen: 51.843 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

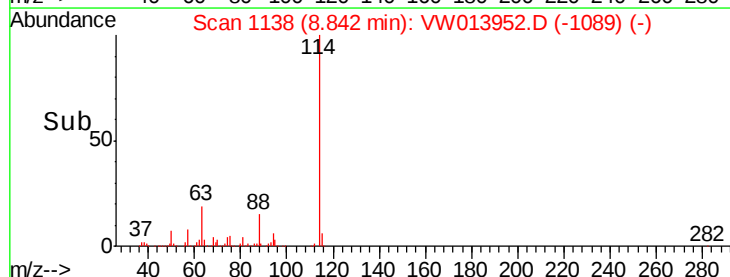
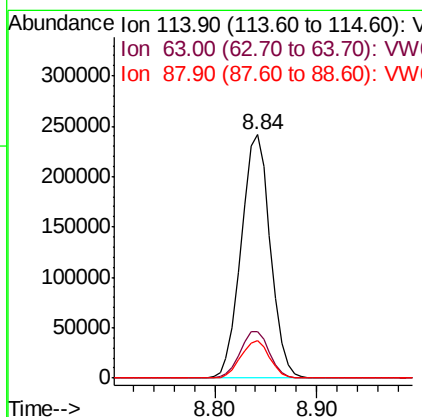
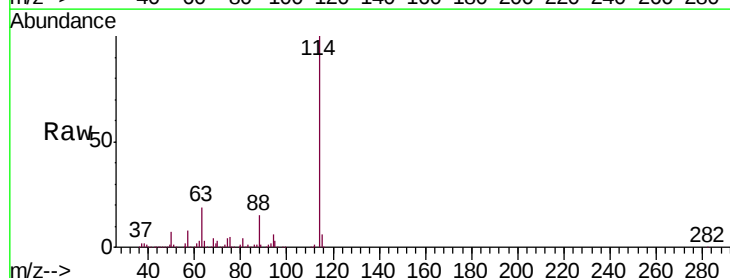
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

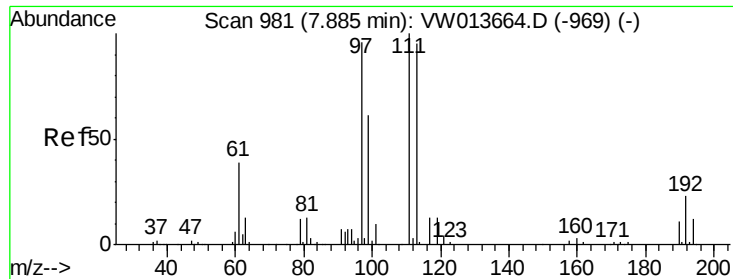
Tgt Ion: 65 Resp: 128631
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion: 114 Resp: 480124
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.6
 88 15.4 0.0 30.2

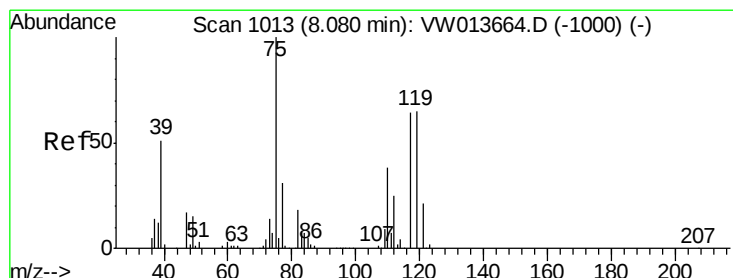
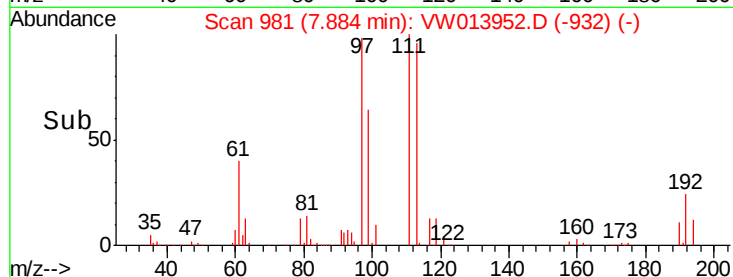
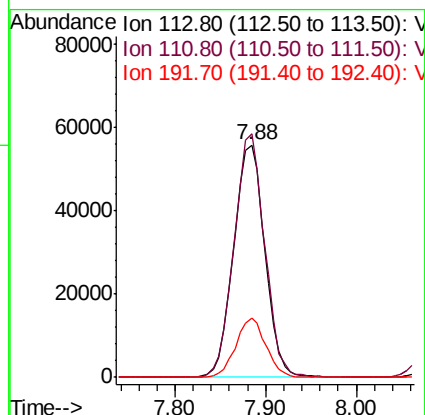
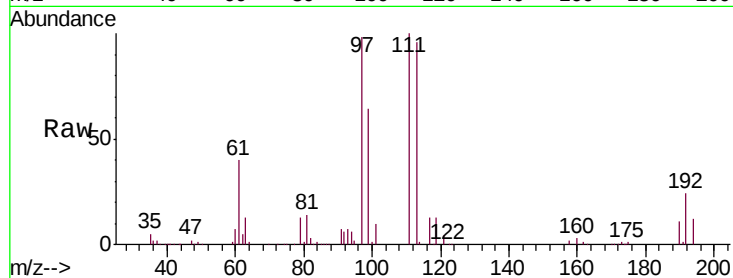




#35
 Dibromofluoromethane
 Concen: 49.927 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

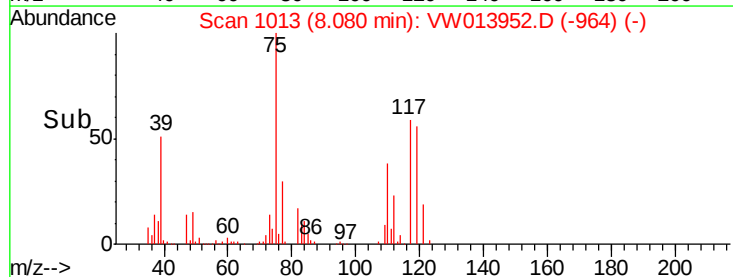
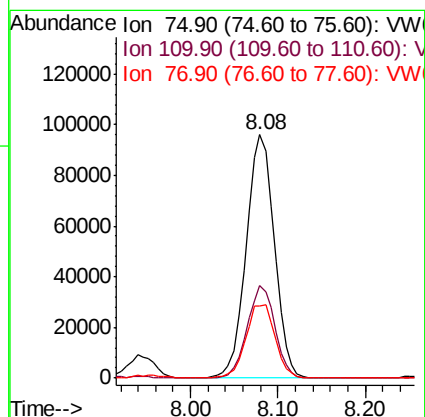
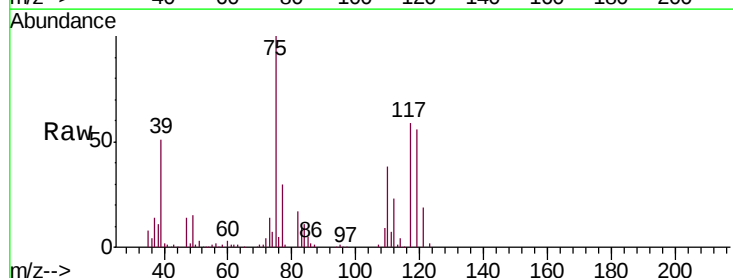
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

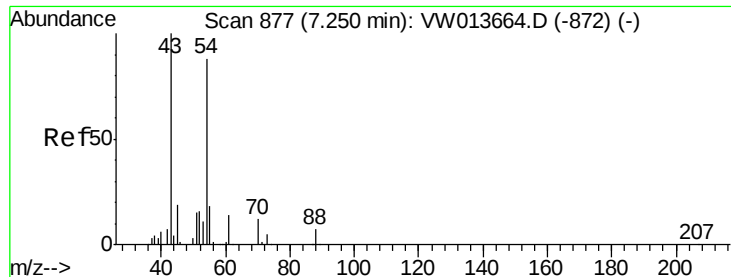
Tgt Ion:113 Resp: 133198
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.0 124.6
 192 24.5 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 47.977 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion: 75 Resp: 214526
 Ion Ratio Lower Upper
 75 100
 110 37.1 18.7 56.1
 77 31.6 25.4 38.0

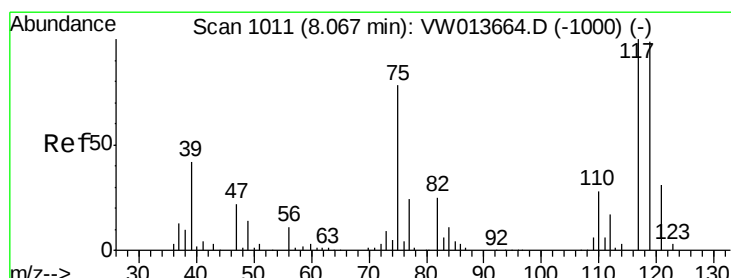
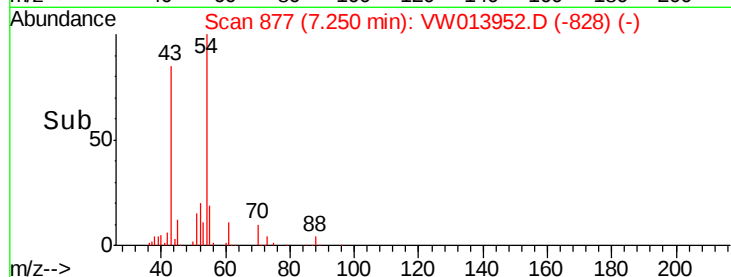
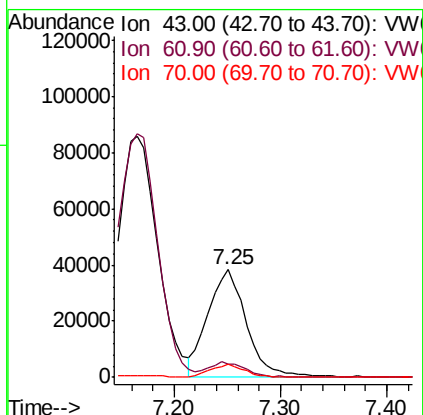
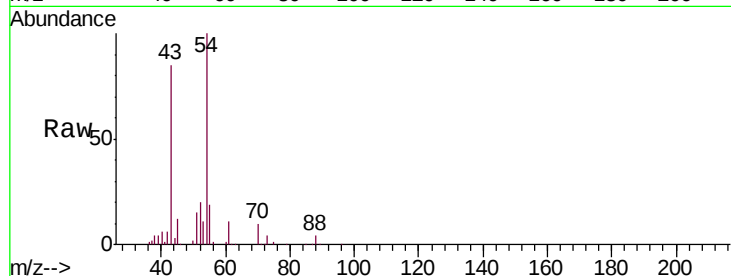




#37
Ethyl Acetate
Concen: 55.604 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

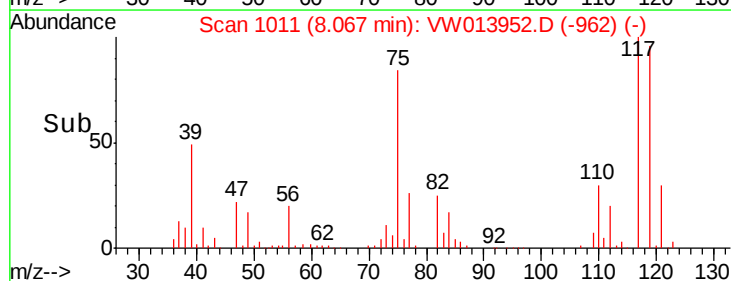
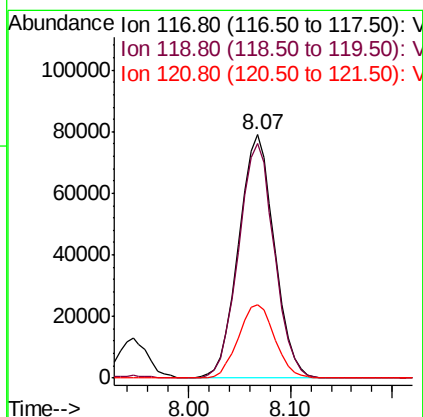
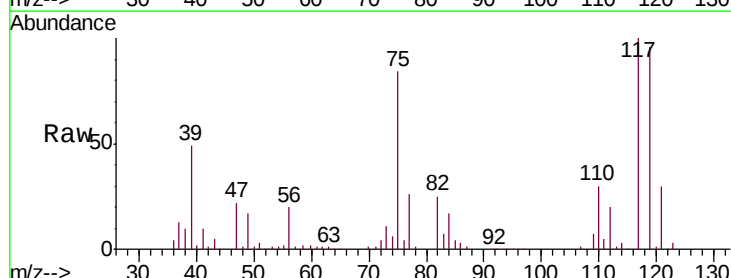
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

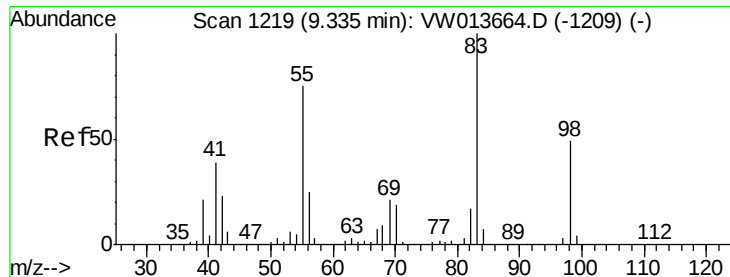
Tgt Ion: 43 Resp: 95175
Ion Ratio Lower Upper
43 100
61 14.0 11.7 17.5
70 11.1 8.8 13.2



#38
Carbon Tetrachloride
Concen: 47.701 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion: 117 Resp: 192069
Ion Ratio Lower Upper
117 100
119 96.5 79.0 118.4
121 30.2 24.5 36.7

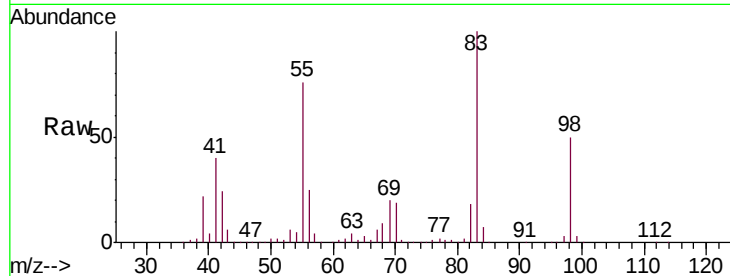




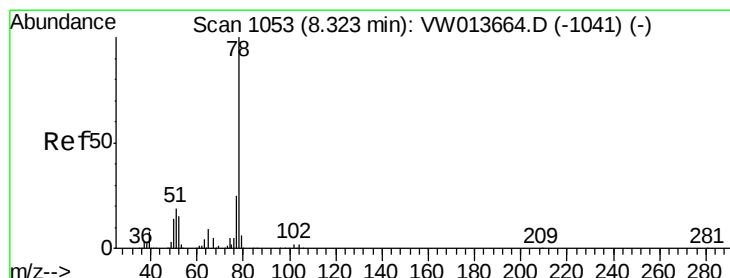
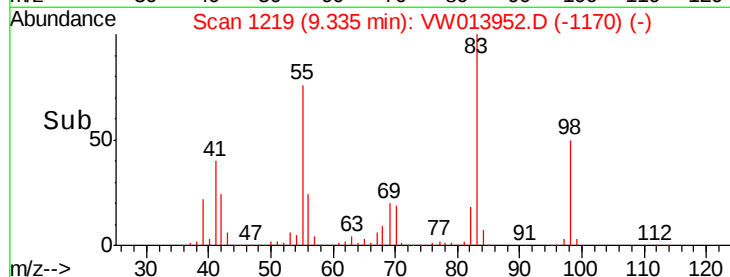
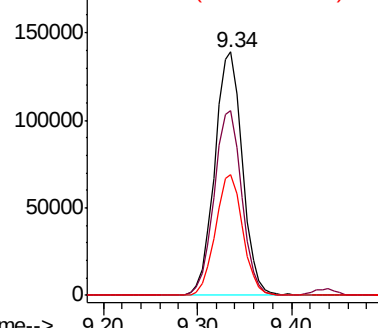
#39
Methylcyclohexane
Concen: 49.472 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 285671
Ion Ratio Lower Upper
83 100
55 75.9 59.9 89.9
98 49.8 39.4 59.2

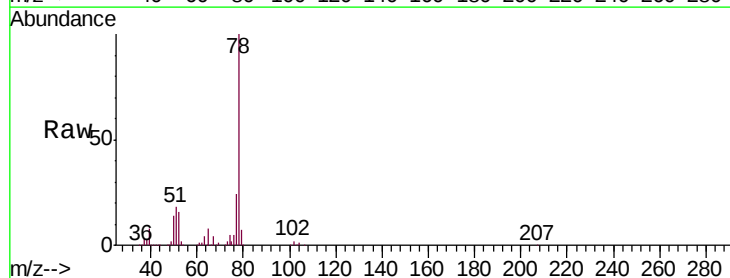


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

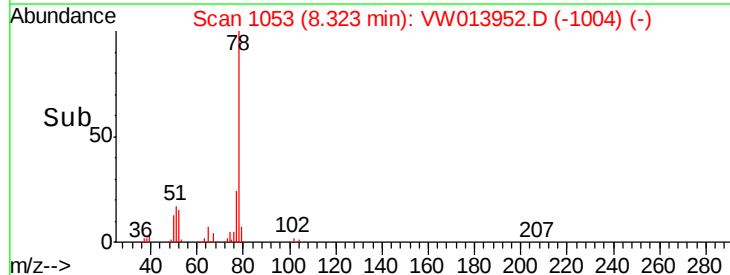
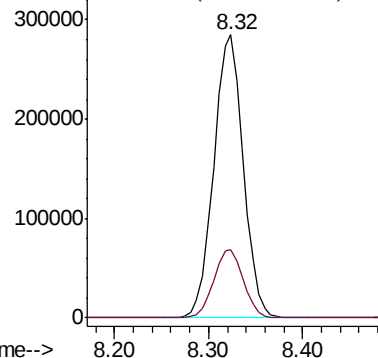


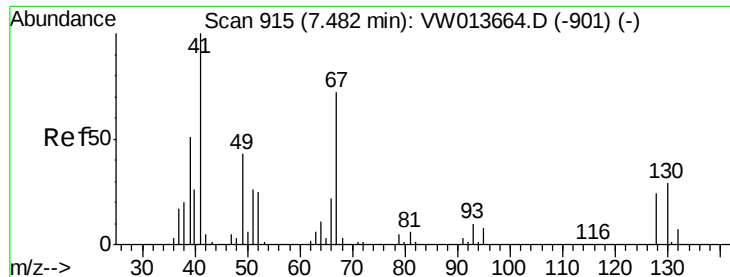
#40
Benzene
Concen: 49.206 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion: 78 Resp: 622657
Ion Ratio Lower Upper
78 100
77 24.1 19.6 29.4



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

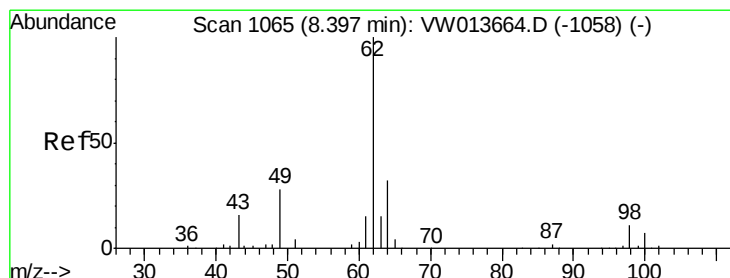
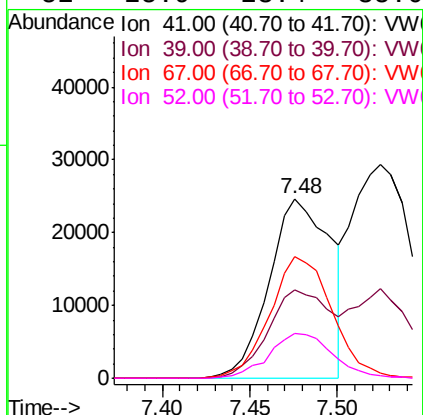
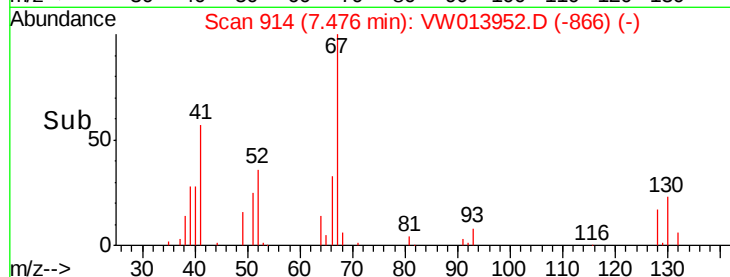
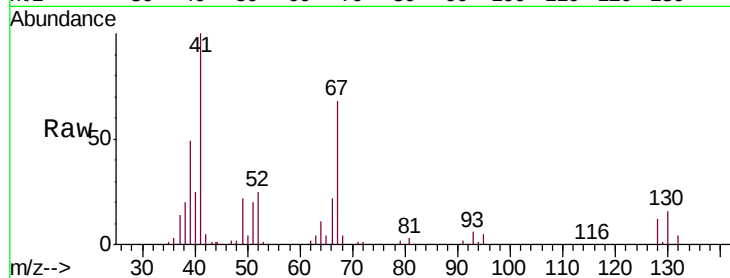




#41
Methacrylonitrile
Concen: 56.828 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

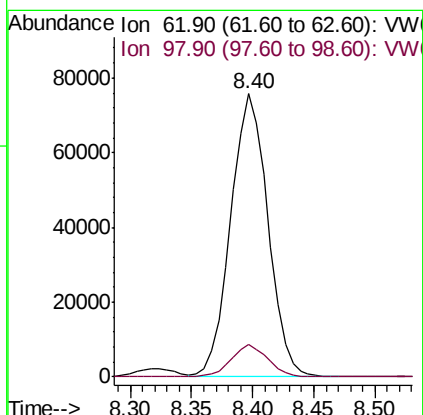
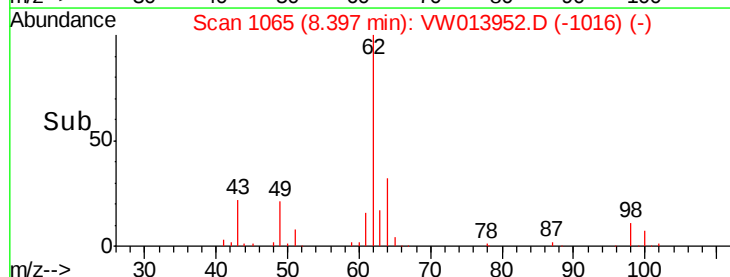
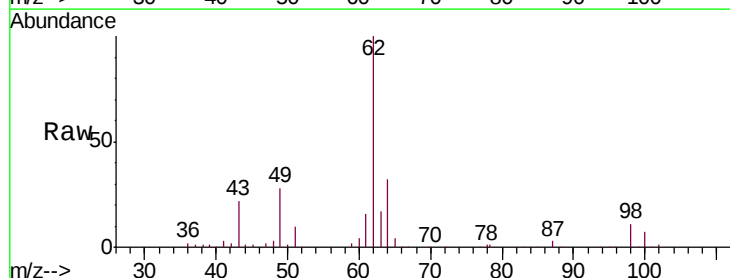
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

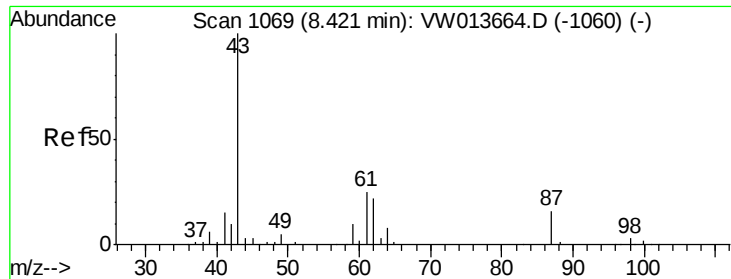
Tgt Ion: 41 Resp: 60657
Ion Ratio Lower Upper
41 100
39 50.2 44.8 67.2
67 68.7 59.3 88.9
52 25.9 23.4 35.0



#42
1,2-Dichloroethane
Concen: 50.101 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion: 62 Resp: 159763
Ion Ratio Lower Upper
62 100
98 11.1 0.0 22.4





#43

Isopropyl Acetate

Concen: 56.426 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

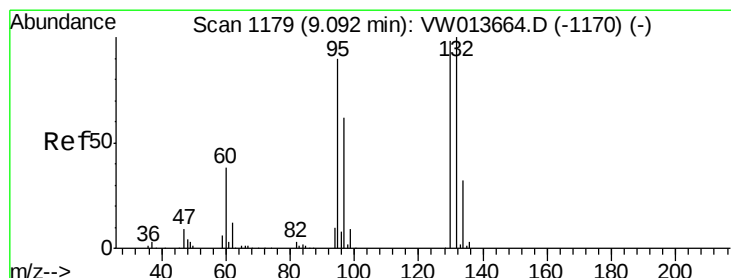
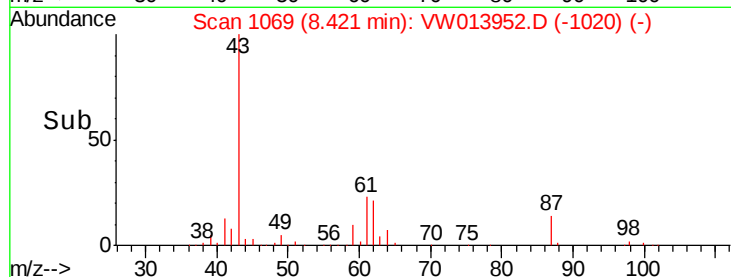
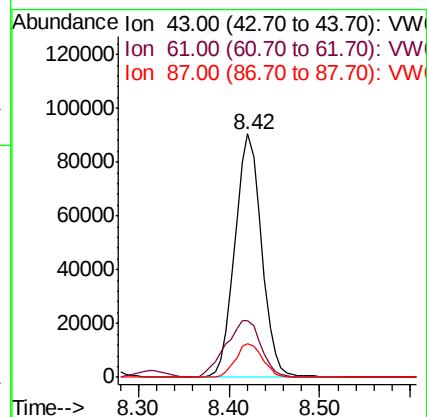
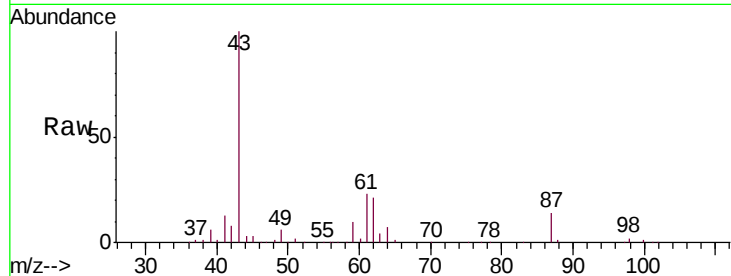
Tgt Ion: 43 Resp: 184871

Ion Ratio Lower Upper

43 100

61 31.2 26.1 39.1

87 14.0 11.4 17.0



#44

Trichloroethene

Concen: 48.864 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013952.D

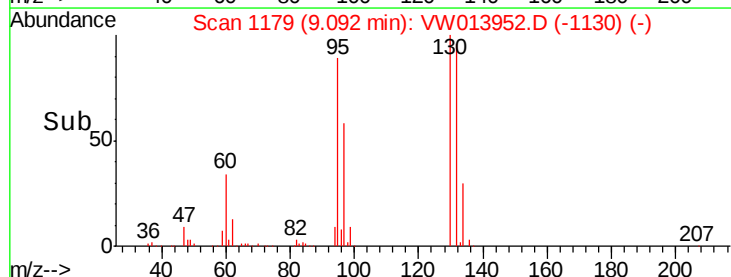
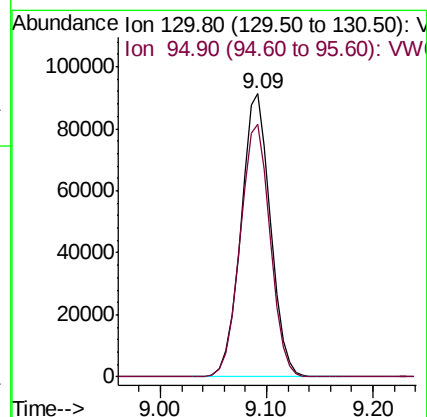
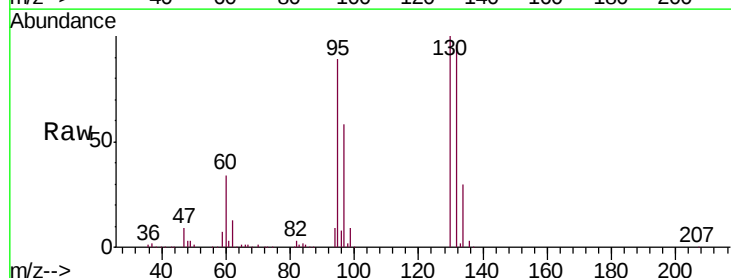
Acq: 08 Nov 2019 18:29

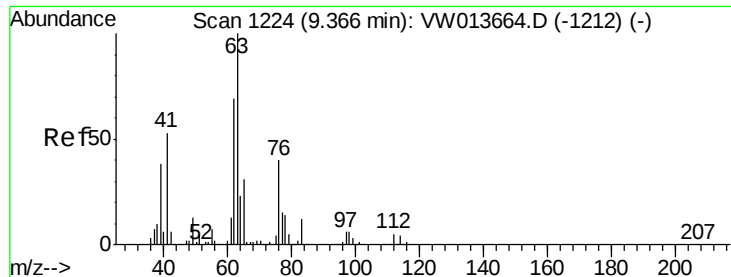
Tgt Ion: 130 Resp: 177121

Ion Ratio Lower Upper

130 100

95 89.4 0.0 184.6





#45

1,2-Dichloropropane

Concen: 50.937 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

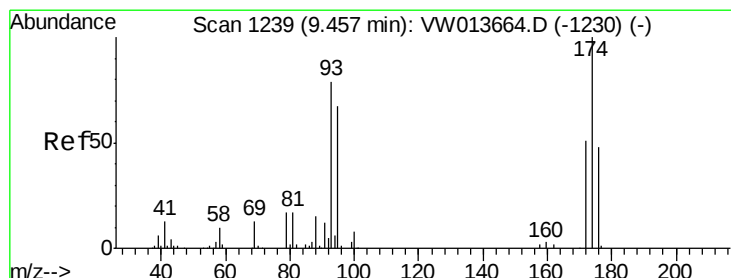
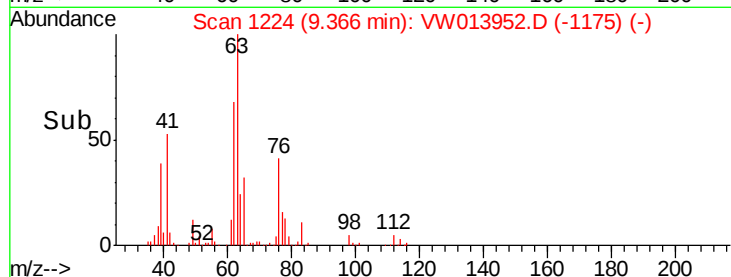
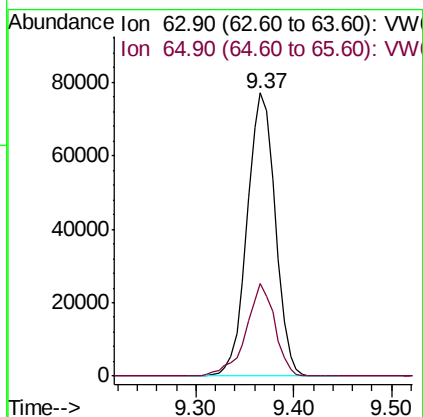
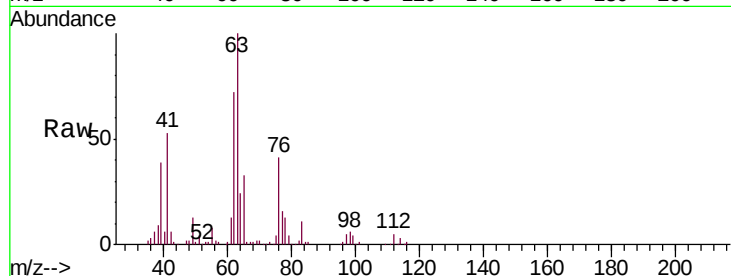
VSTDCCC050EC

Tgt Ion: 63 Resp: 153958

Ion Ratio Lower Upper

63 100

65 32.5 25.2 37.8



#46

Dibromomethane

Concen: 50.976 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

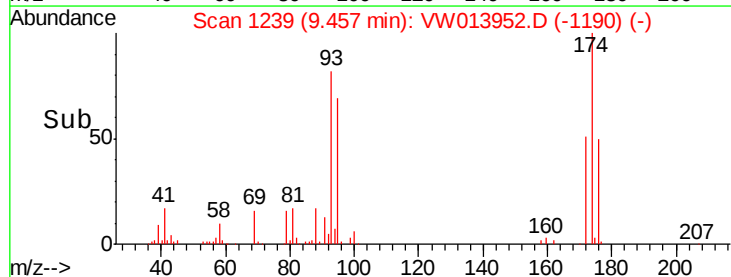
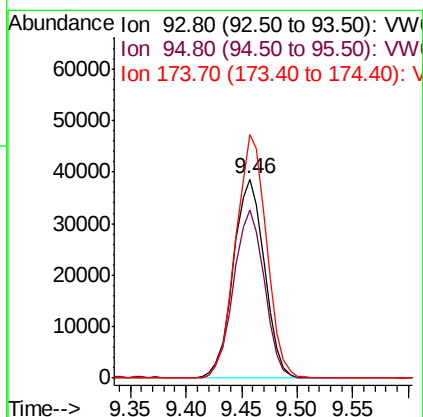
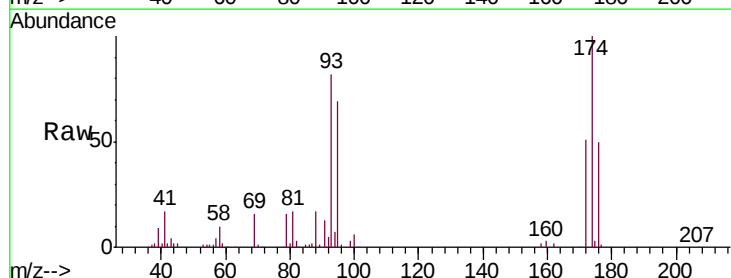
Tgt Ion: 93 Resp: 74783

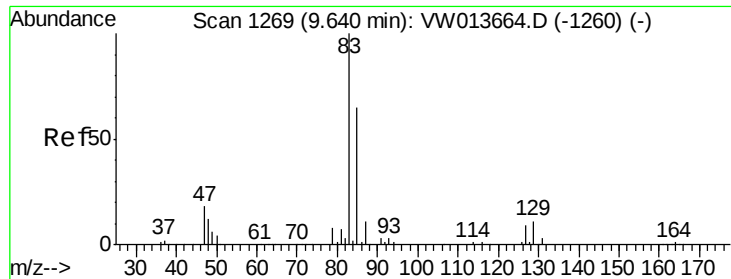
Ion Ratio Lower Upper

93 100

95 84.0 66.5 99.7

174 121.4 99.6 149.4

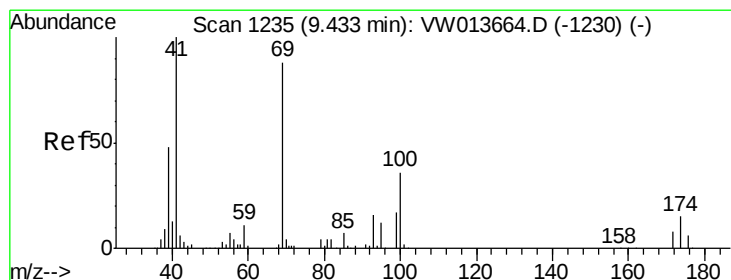
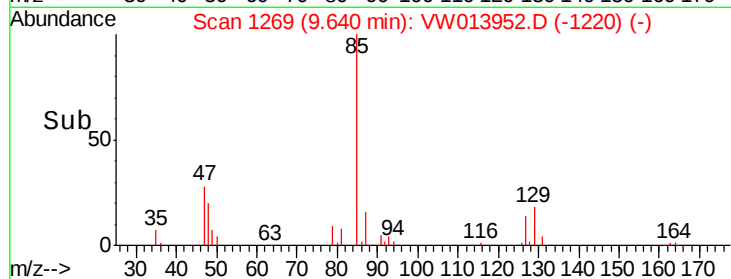
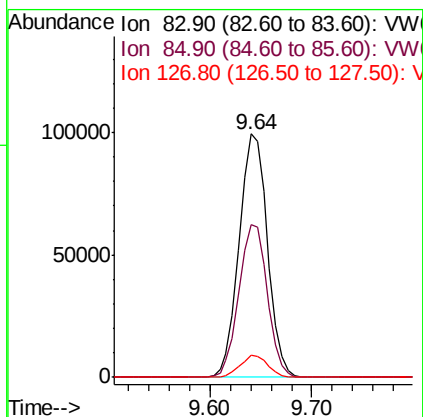
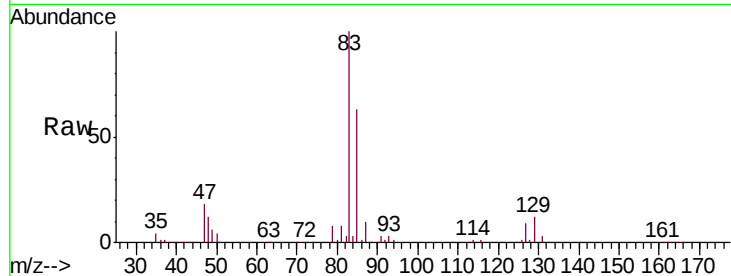




#47
 Bromodichloromethane
 Concen: 50.420 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

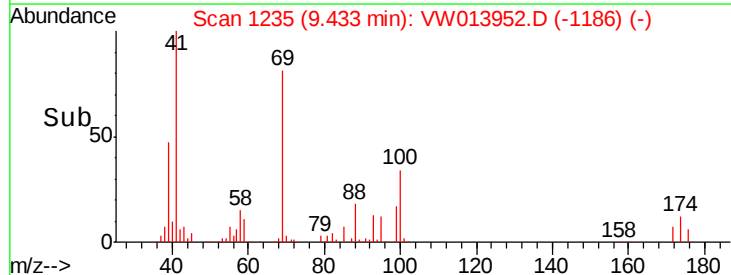
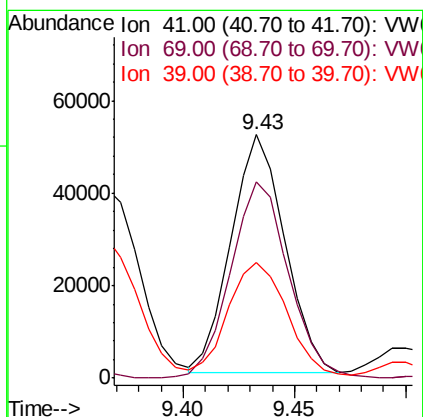
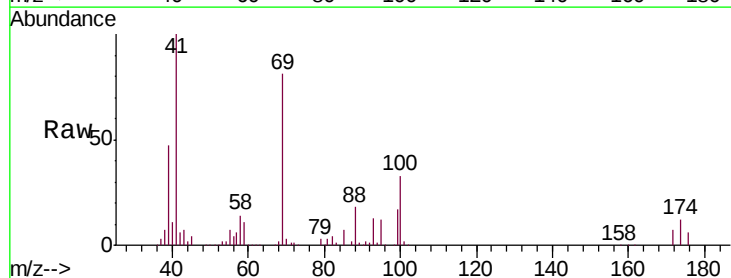
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

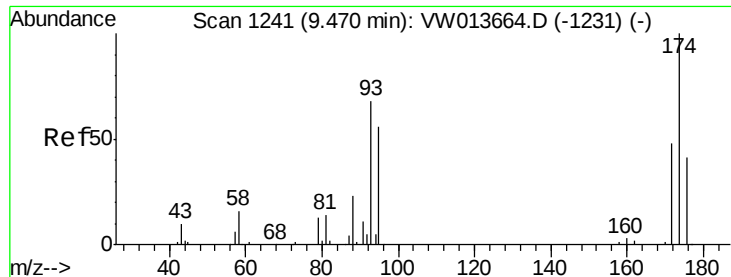
Tgt Ion: 83 Resp: 191382
 Ion Ratio Lower Upper
 83 100
 85 62.6 51.8 77.6
 127 9.0 7.3 10.9



#48
 Methyl methacrylate
 Concen: 52.985 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion: 41 Resp: 86087
 Ion Ratio Lower Upper
 41 100
 69 89.2 67.6 101.4
 39 51.0 38.6 58.0

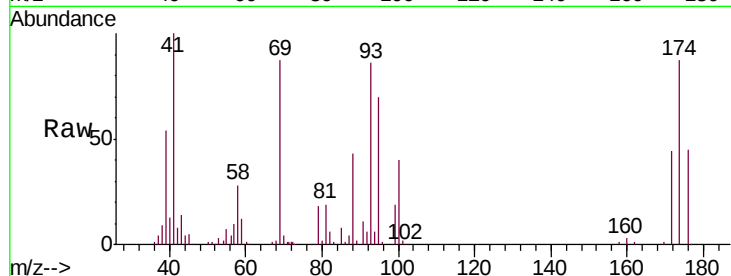




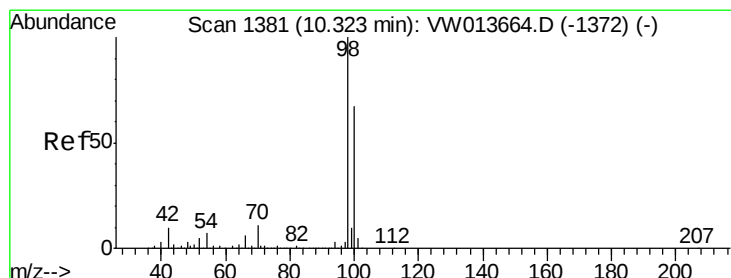
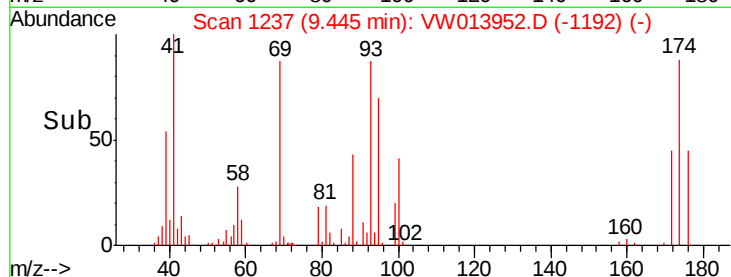
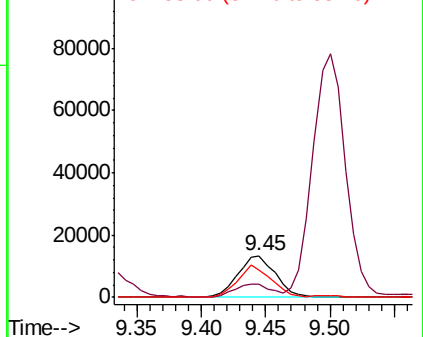
#49
1,4-Dioxane
Concen: 1235.629 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 26786
Ion Ratio Lower Upper
88 100
43 30.0 0.0 0.0#
58 69.7 58.9 88.3

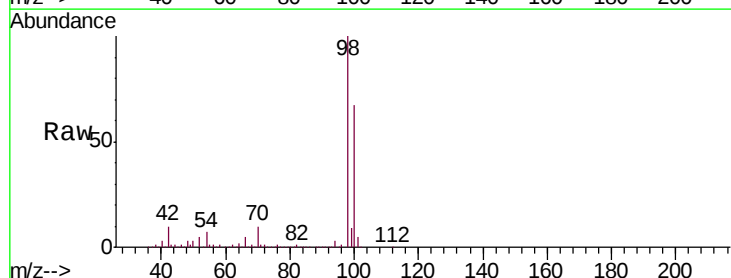


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

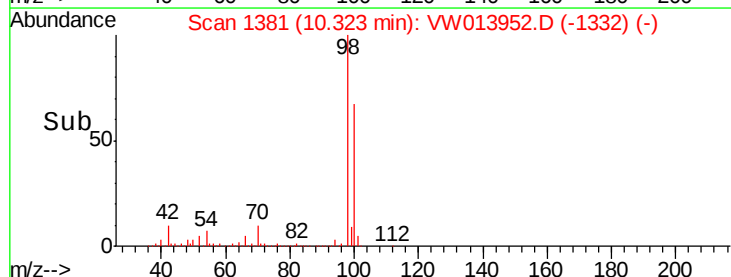
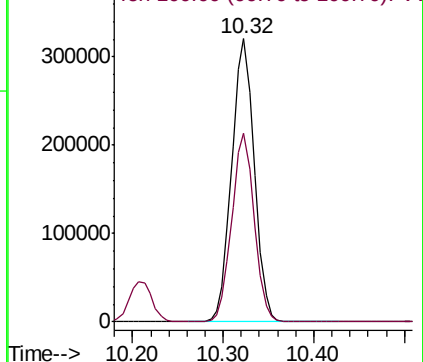


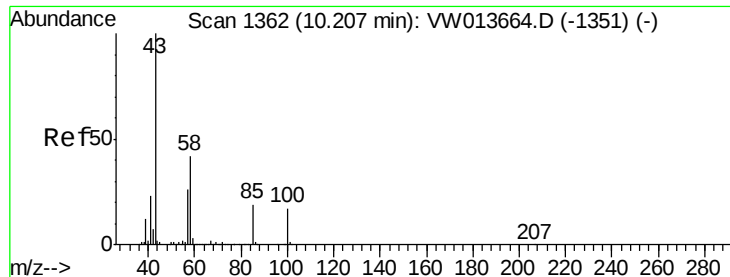
#50
Toluene-d8
Concen: 50.981 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion: 98 Resp: 554202
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

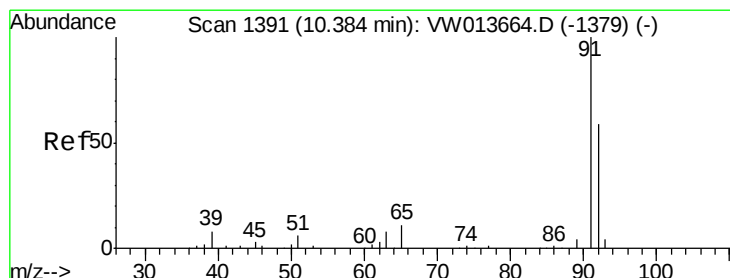
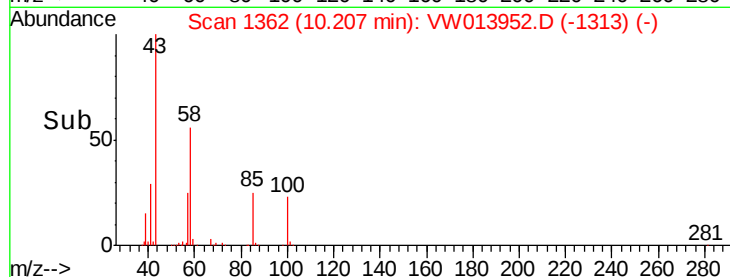
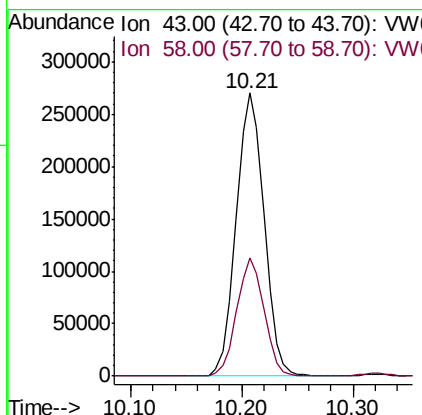
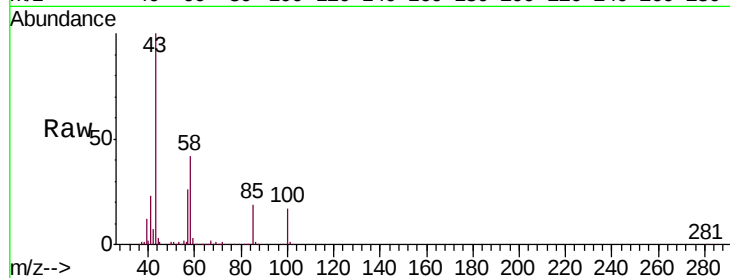




#51
 4-Methyl-2-Pentanone
 Concen: 287.153 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

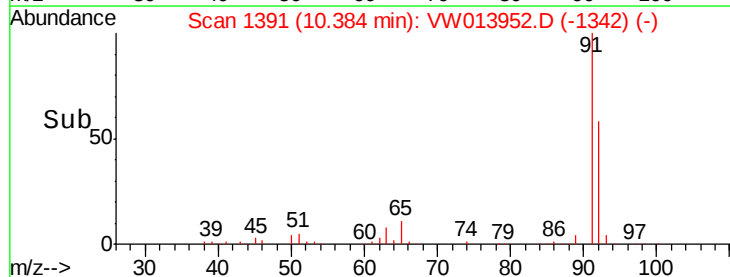
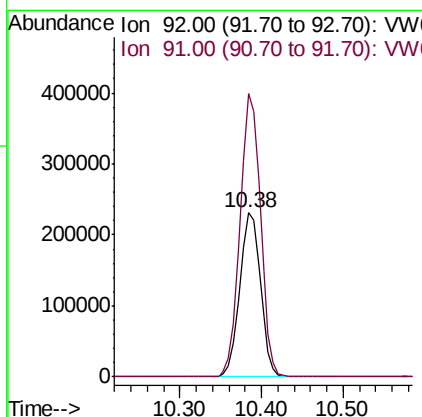
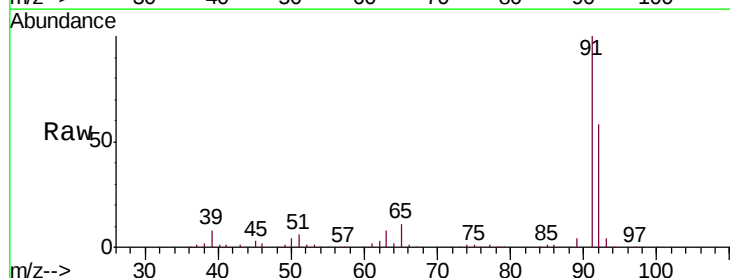
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

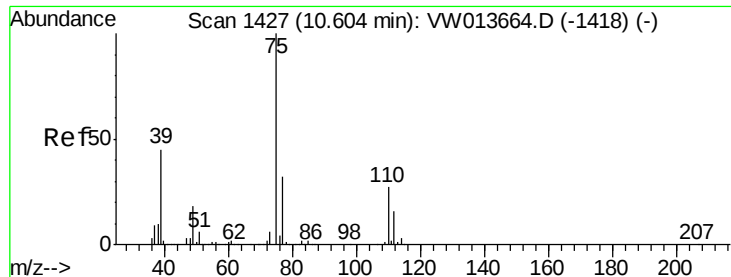
Tgt Ion: 43 Resp: 467508
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.6 49.0



#52
 Toluene
 Concen: 49.337 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion: 92 Resp: 402713
 Ion Ratio Lower Upper
 92 100
 91 171.1 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 52.786 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

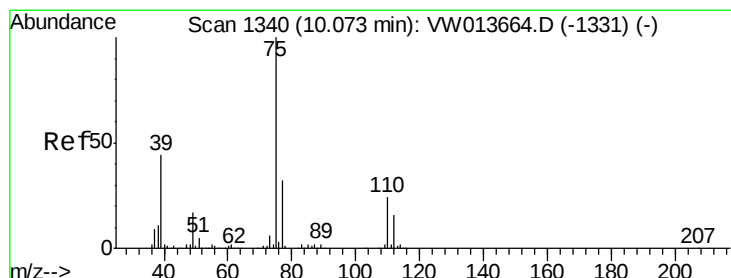
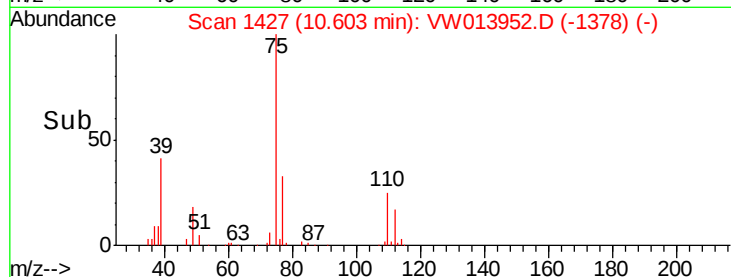
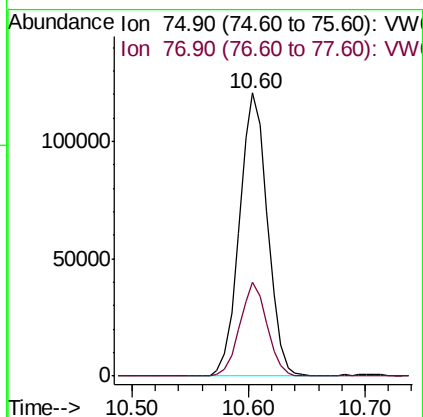
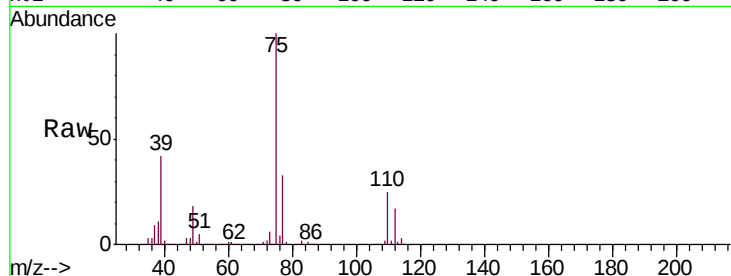
VSTDCCC050EC

Tgt Ion: 75 Resp: 202834

Ion Ratio Lower Upper

75 100

77 33.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 51.538 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

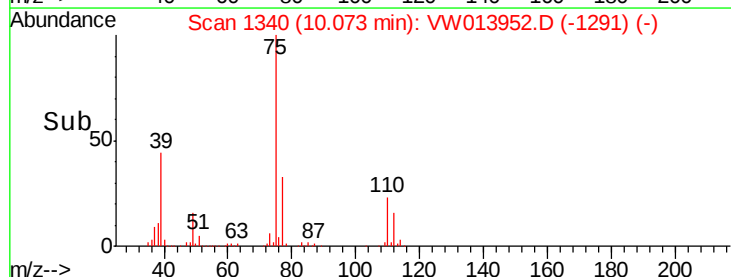
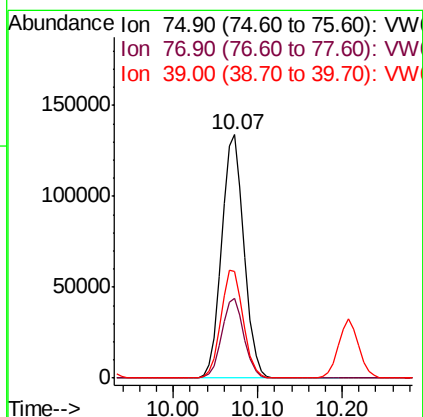
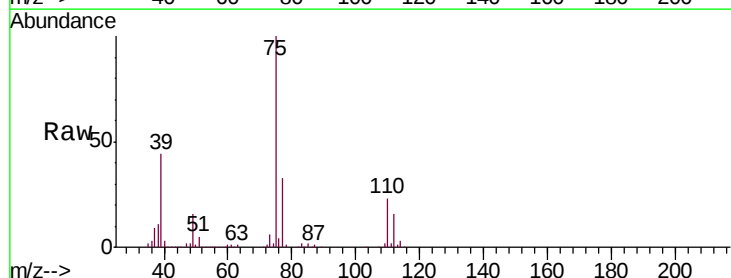
Tgt Ion: 75 Resp: 244335

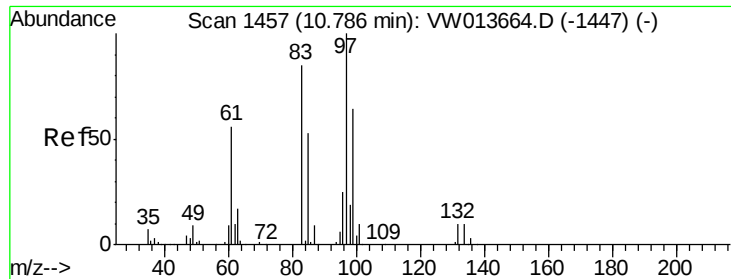
Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.6

39 43.9 35.3 52.9

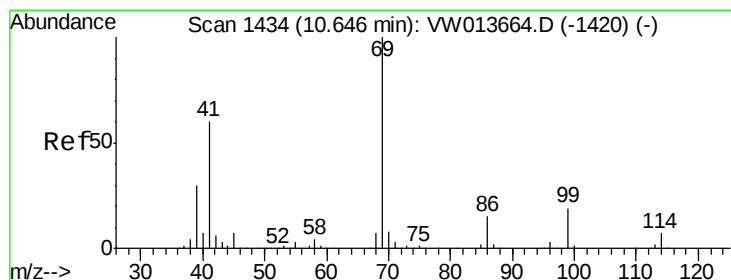
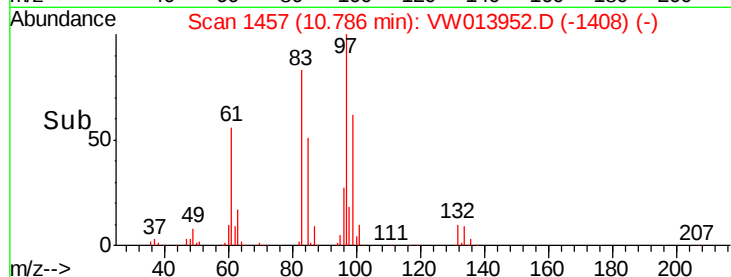
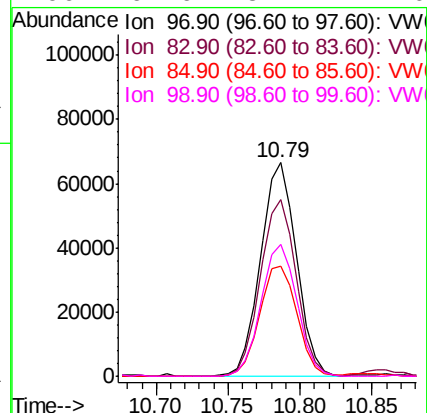
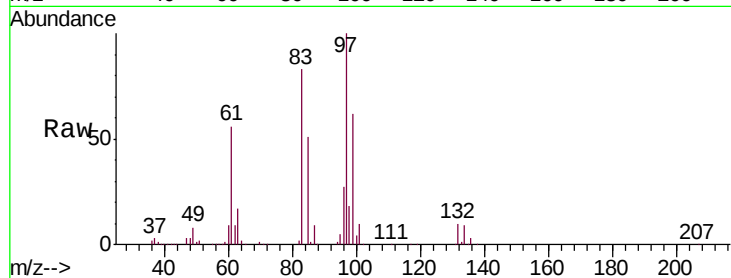




#55
 1,1,2-Trichloroethane
 Concen: 52.432 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

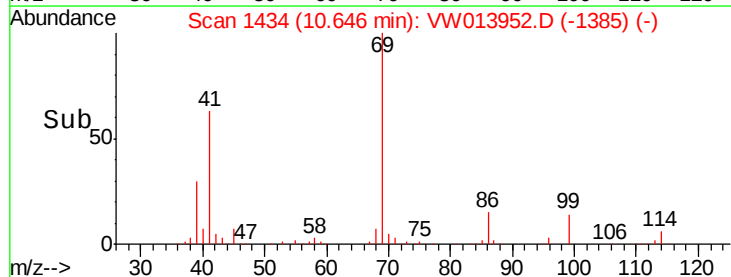
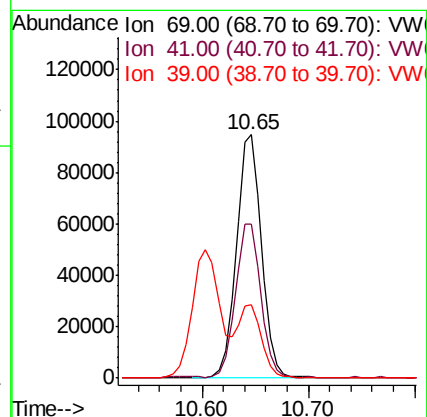
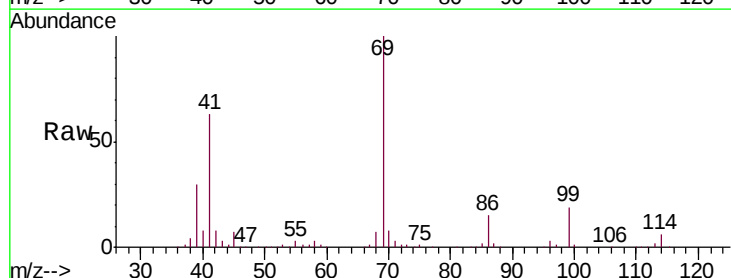
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

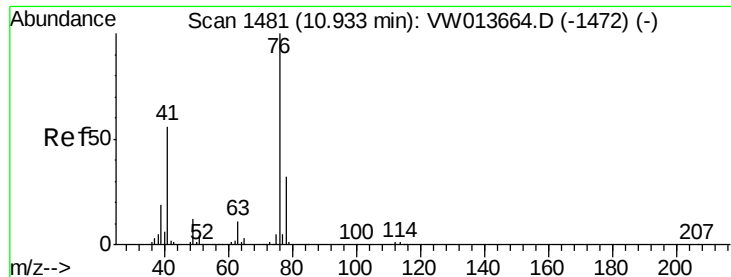
Tgt Ion: 97 Resp: 114635
 Ion Ratio Lower Upper
 97 100
 83 82.6 67.8 101.8
 85 51.4 42.1 63.1
 99 61.6 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 57.223 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion: 69 Resp: 156526
 Ion Ratio Lower Upper
 69 100
 41 63.4 51.6 77.4
 39 27.5 22.4 33.6

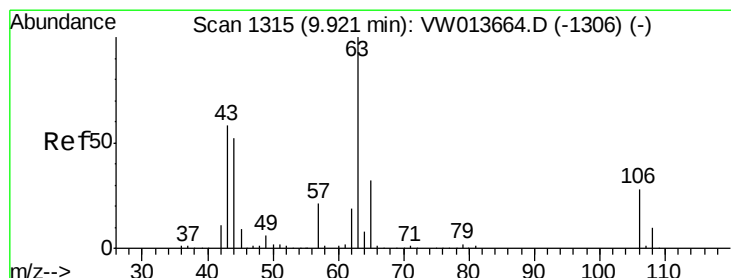
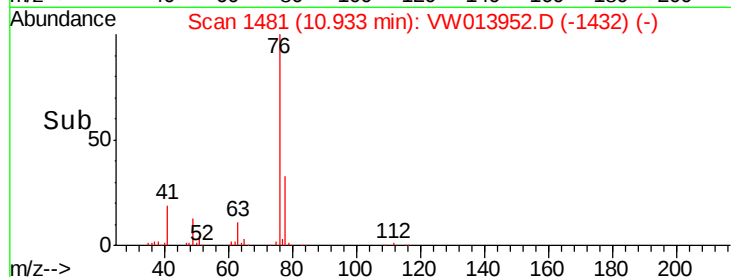
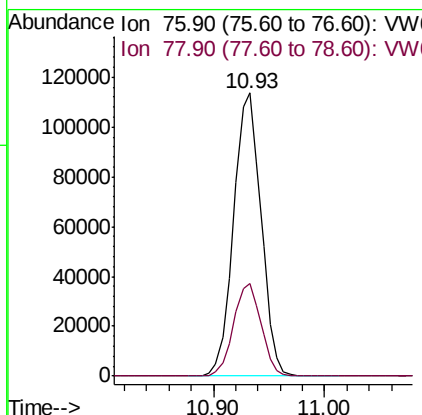
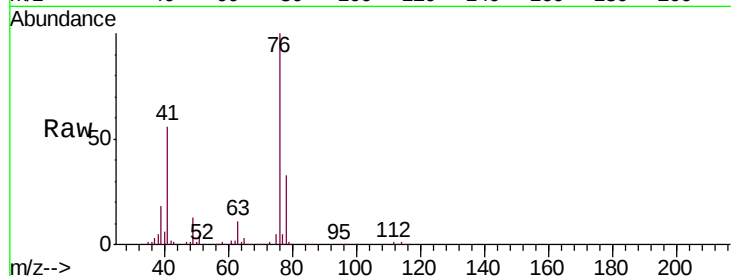




#57
 1,3-Dichloropropane
 Concen: 51.725 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

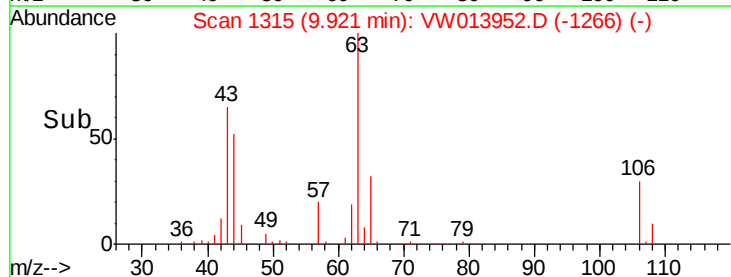
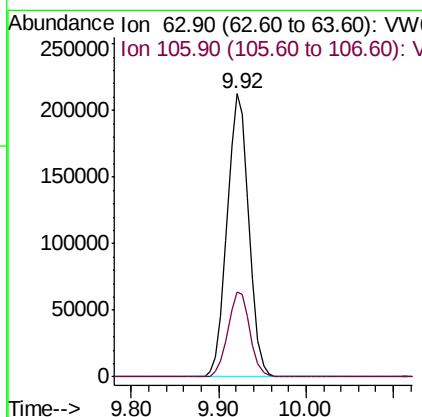
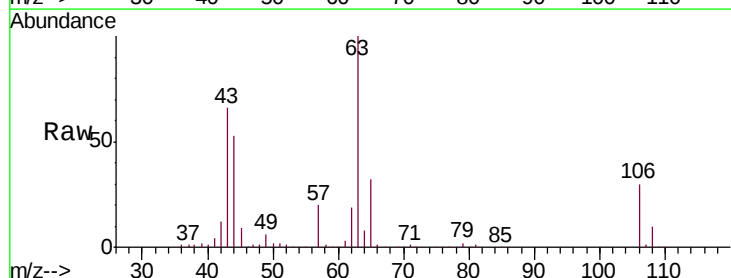
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

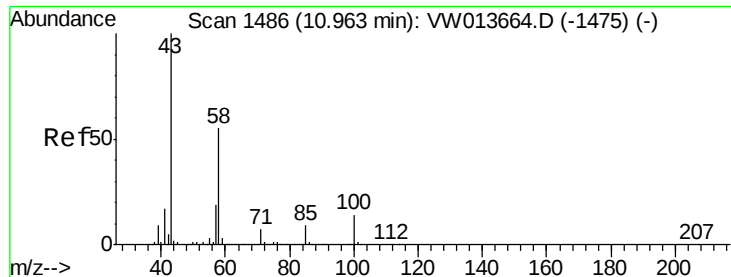
Tgt Ion: 76 Resp: 194068
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 290.548 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion: 63 Resp: 365778
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.8 35.8

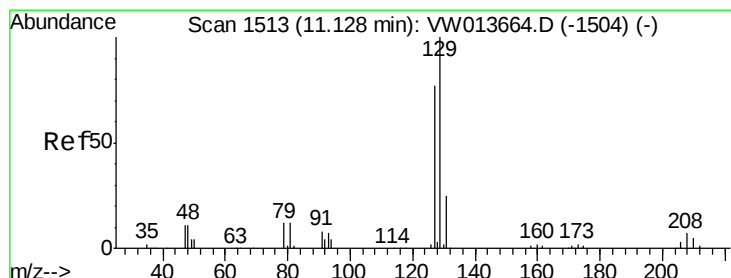
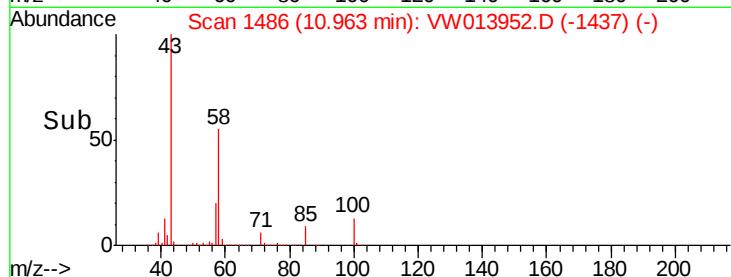
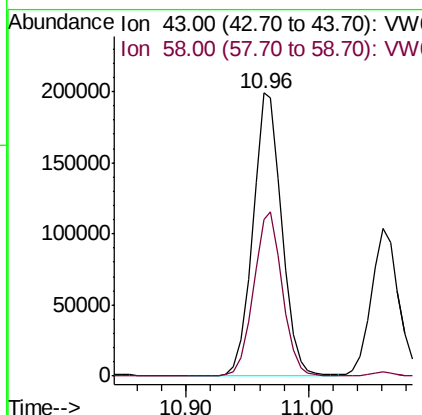
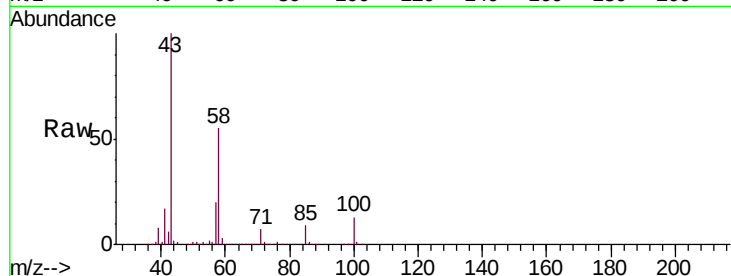




#59
2-Hexanone
Concen: 292.215 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

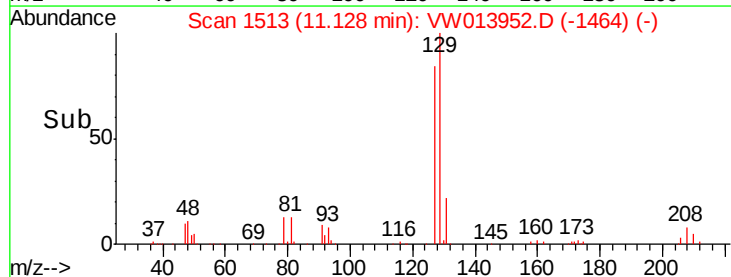
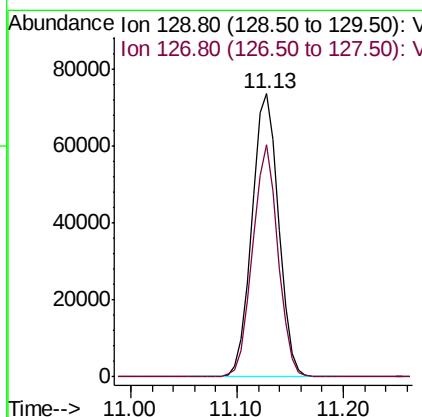
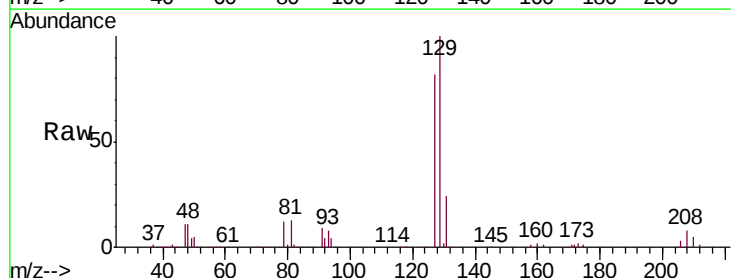
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

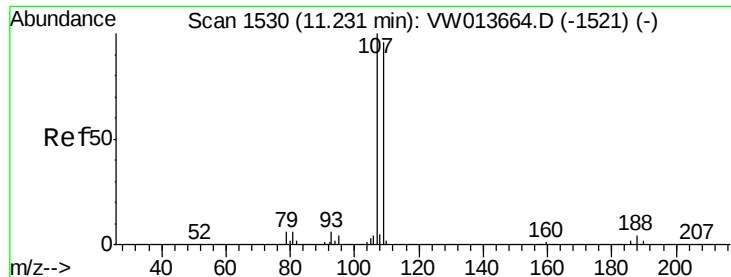
Tgt Ion: 43 Resp: 327979
Ion Ratio Lower Upper
43 100
58 57.5 27.9 83.7



#60
Dibromochloromethane
Concen: 49.962 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion: 129 Resp: 129695
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7

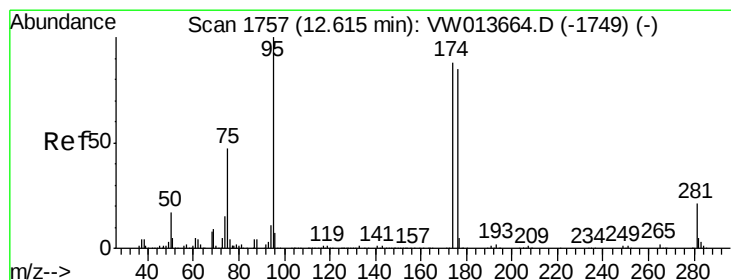
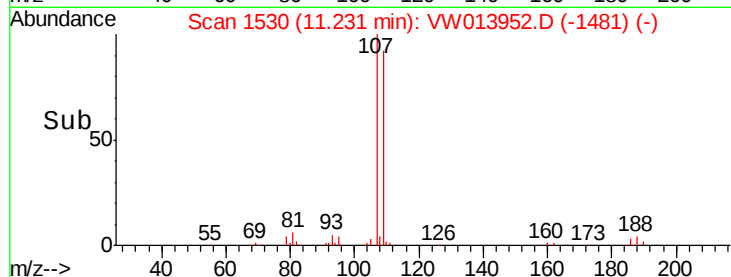
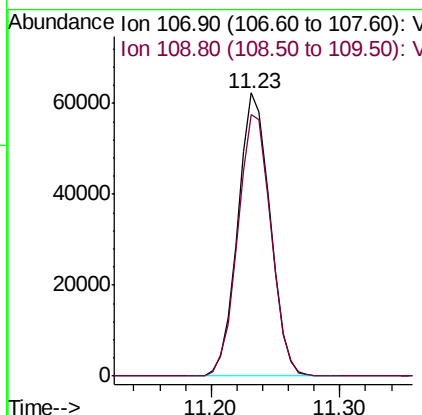
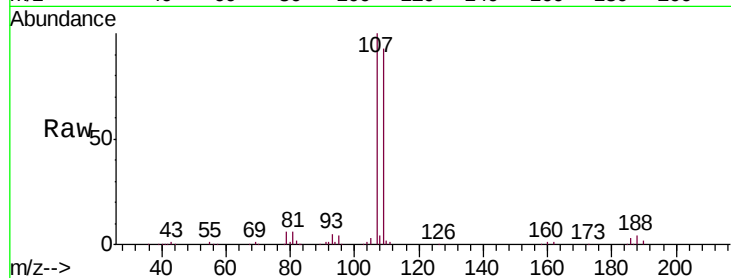




#61
 1,2-Dibromoethane
 Concen: 52.143 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

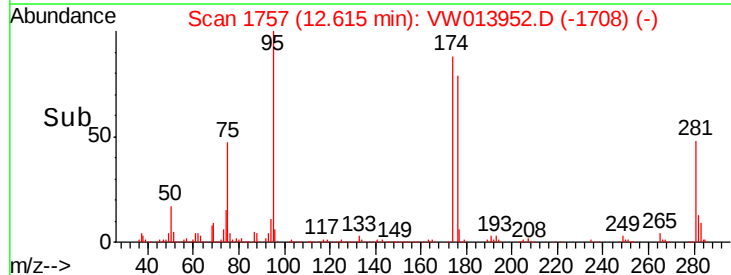
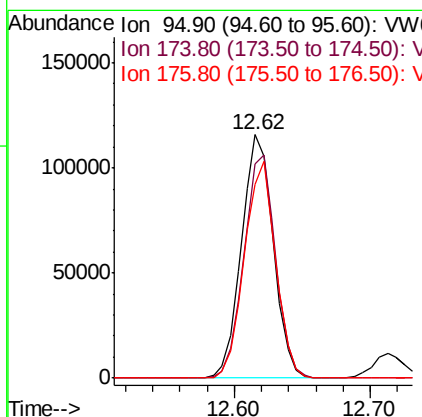
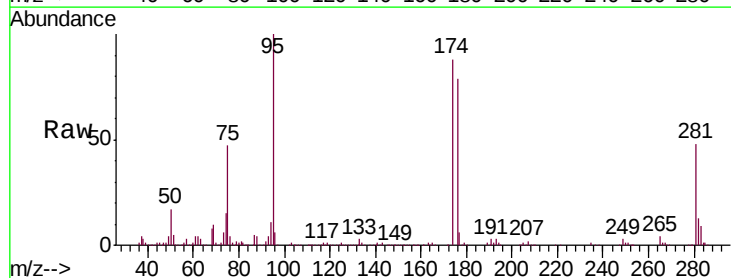
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

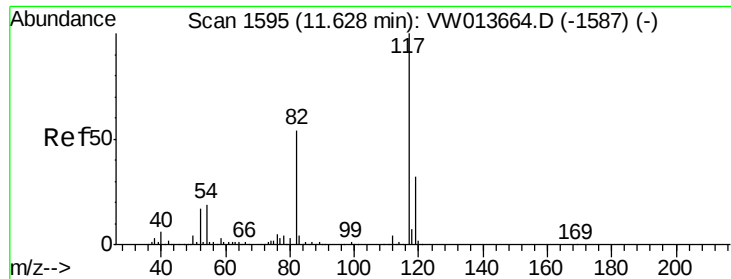
Tgt Ion: 107 Resp: 107853
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 51.332 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion: 95 Resp: 188946
 Ion Ratio Lower Upper
 95 100
 174 91.6 0.0 183.6
 176 87.6 0.0 178.0

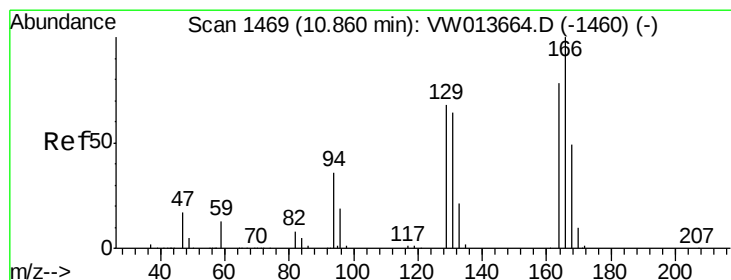
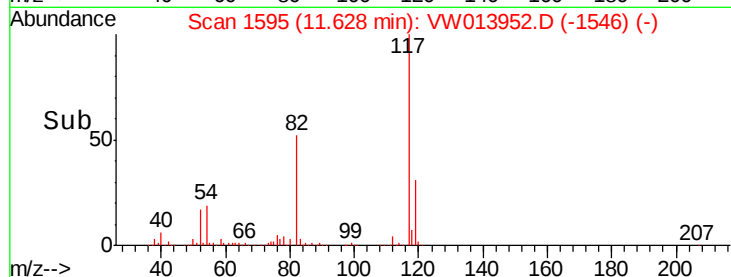
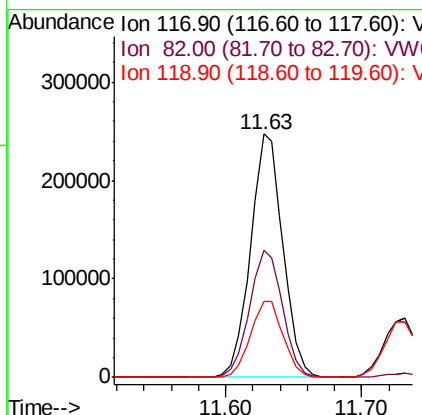
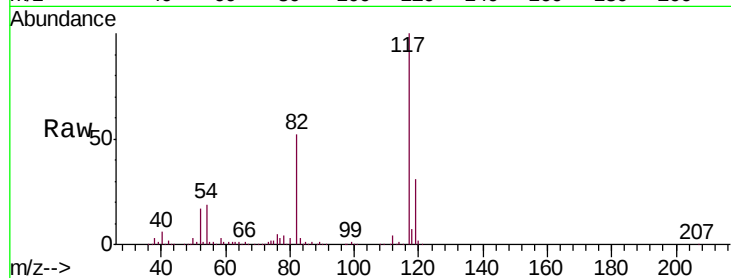




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

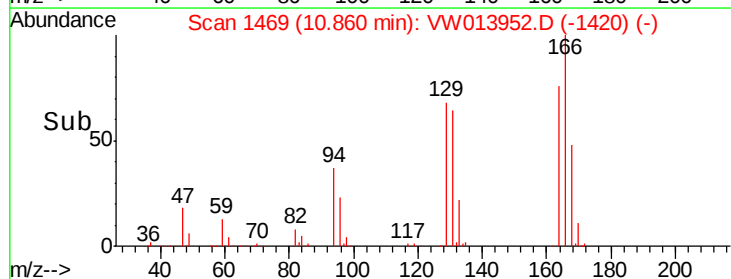
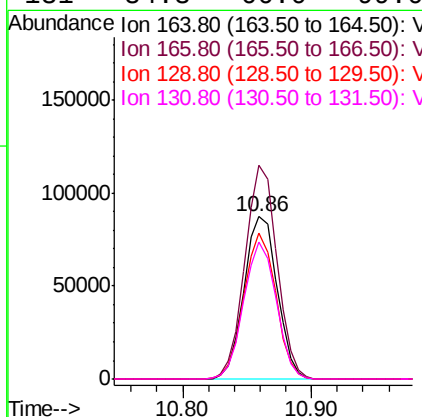
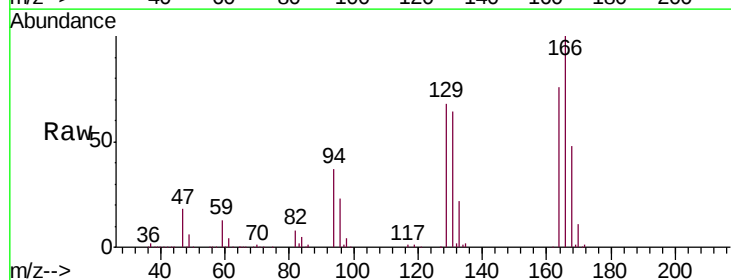
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

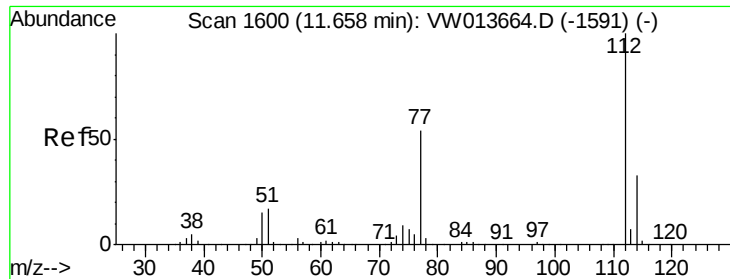
Tgt Ion:117 Resp: 411940
Ion Ratio Lower Upper
117 100
82 52.3 43.6 65.4
119 31.1 25.4 38.2



#64
Tetrachloroethene
Concen: 49.352 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion:164 Resp: 155328
Ion Ratio Lower Upper
164 100
166 131.7 103.2 154.8
129 89.9 70.6 105.8
131 84.3 66.0 99.0

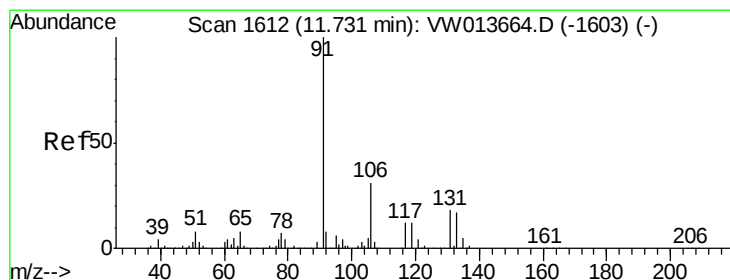
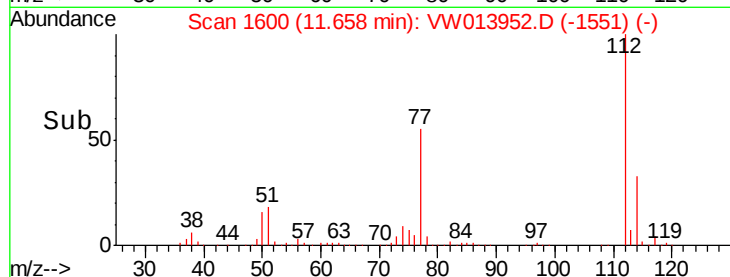
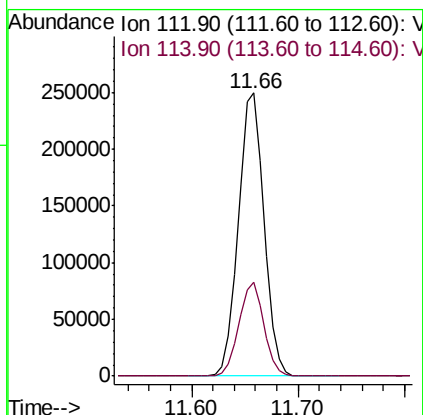
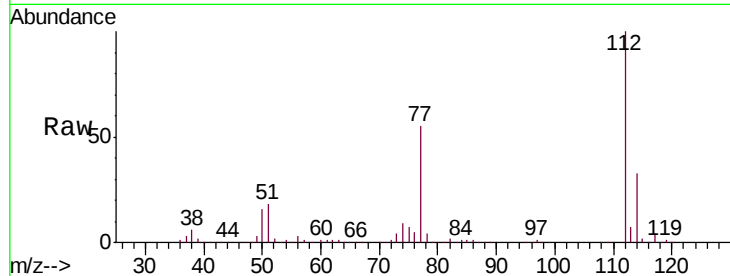




#65
Chlorobenzene
Concen: 49.885 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

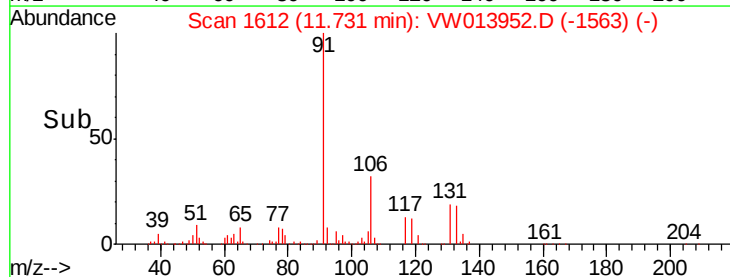
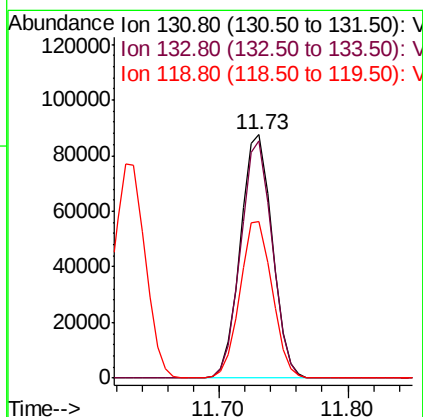
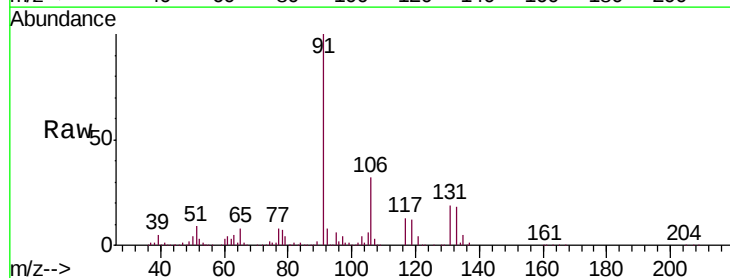
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

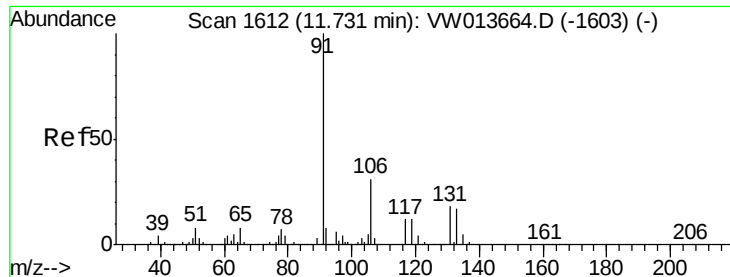
Tgt Ion:112 Resp: 422278
Ion Ratio Lower Upper
112 100
114 33.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.790 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion:131 Resp: 150049
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.3
119 65.0 33.1 99.2





#67

Ethyl Benzene

Concen: 50.290 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

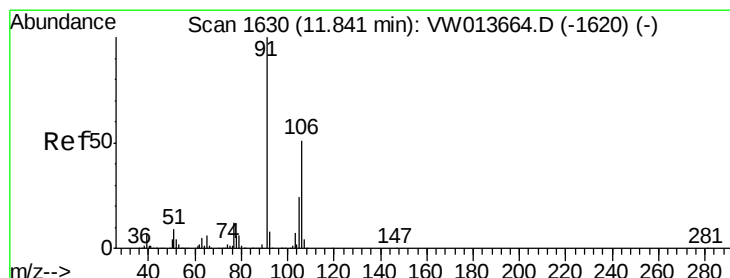
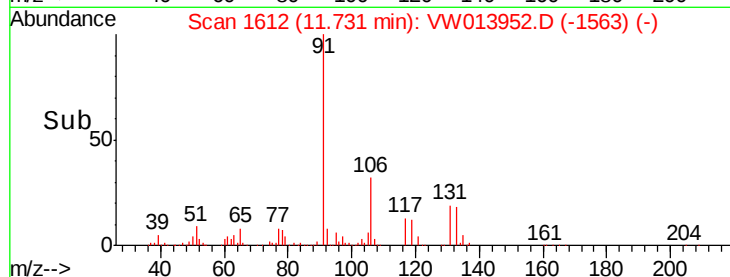
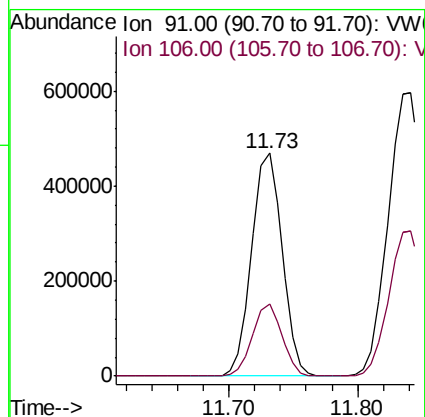
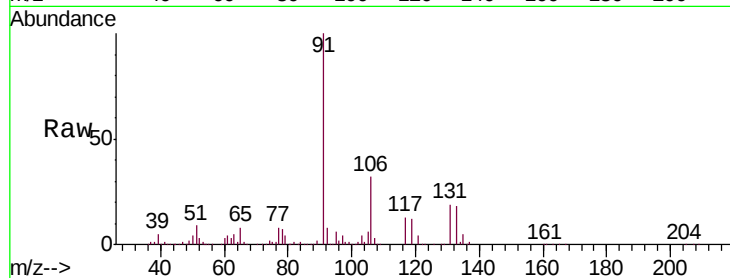
VSTDCCC050EC

Tgt Ion: 91 Resp: 767630

Ion Ratio Lower Upper

91 100

106 32.3 25.0 37.6



#68

m/p-Xylenes

Concen: 99.799 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013952.D

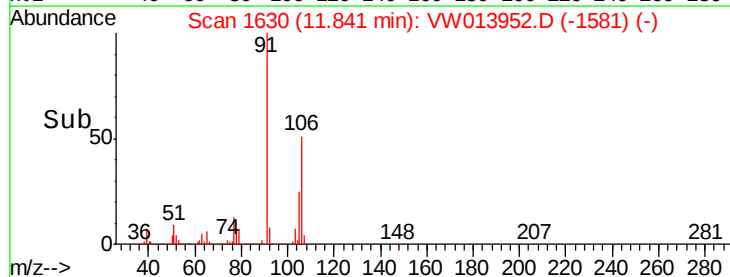
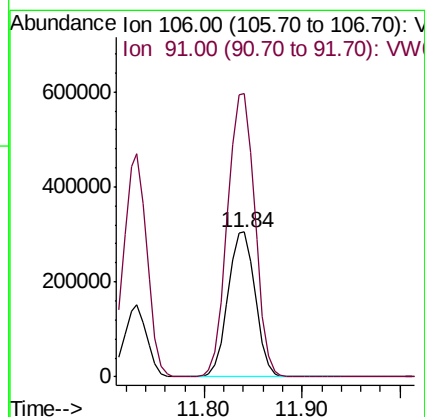
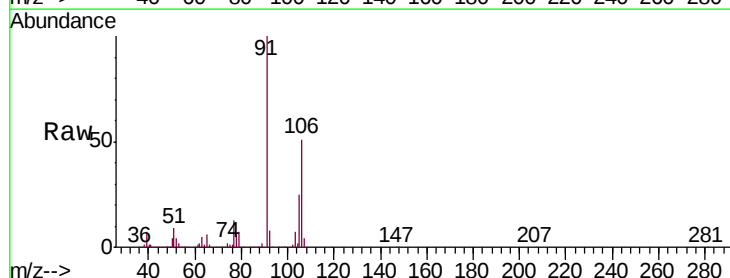
Acq: 08 Nov 2019 18:29

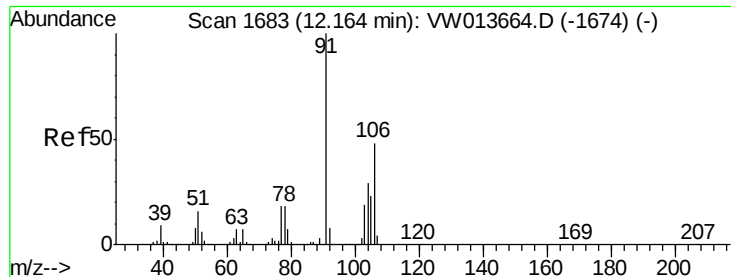
Tgt Ion: 106 Resp: 588541

Ion Ratio Lower Upper

106 100

91 197.3 159.2 238.8

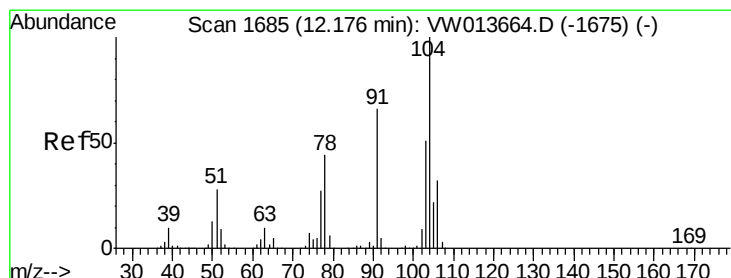
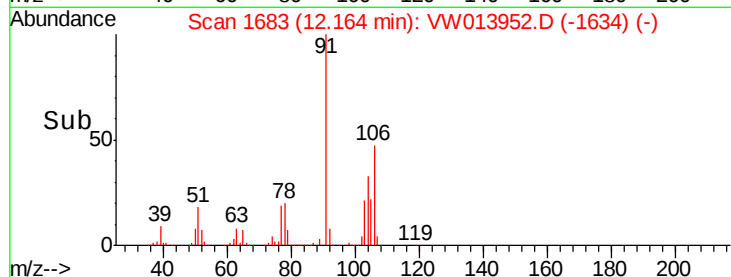
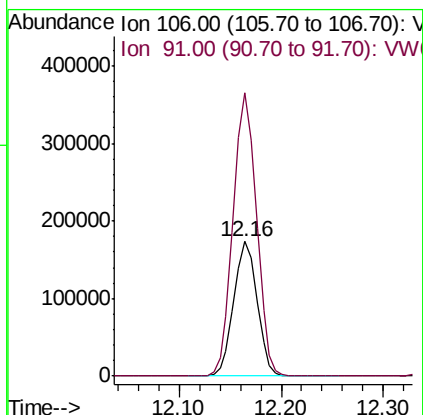
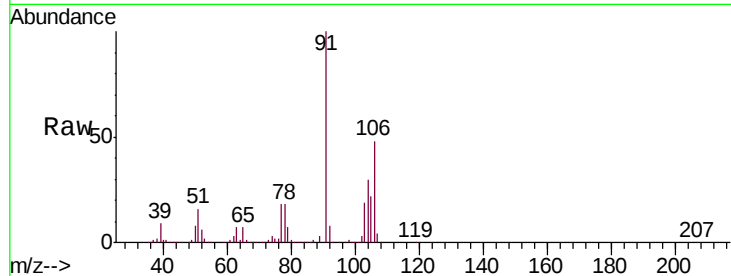




#69
o-Xylene
Concen: 50.625 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

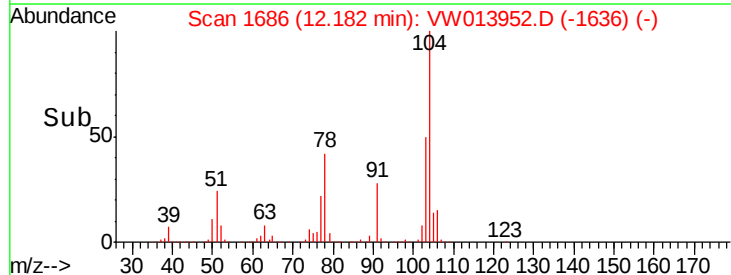
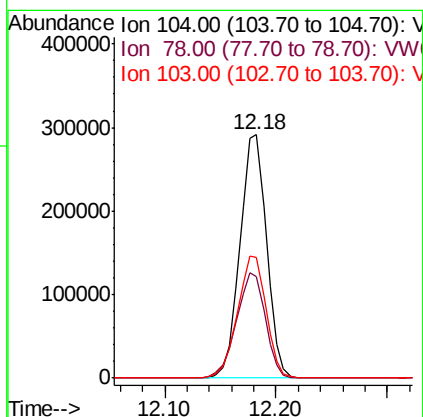
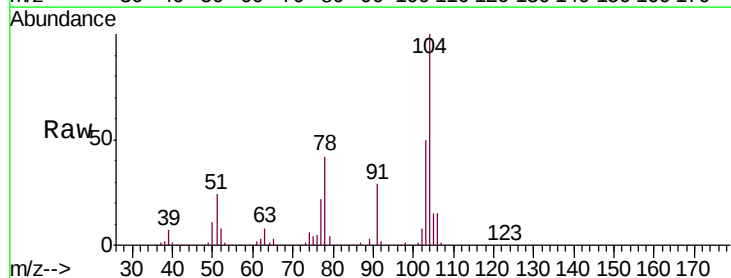
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

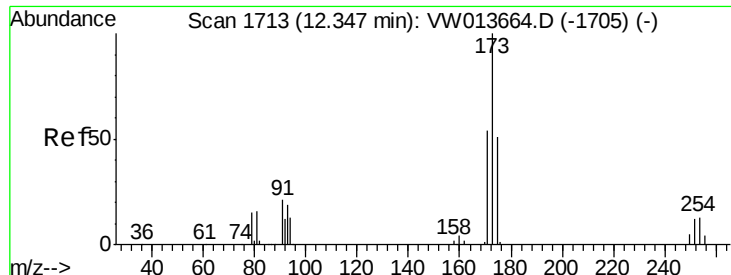
Tgt Ion:106 Resp: 274417
Ion Ratio Lower Upper
106 100
91 210.7 104.9 314.7



#70
Styrene
Concen: 51.893 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion:104 Resp: 483298
Ion Ratio Lower Upper
104 100
78 46.8 37.1 55.7
103 53.8 43.6 65.4

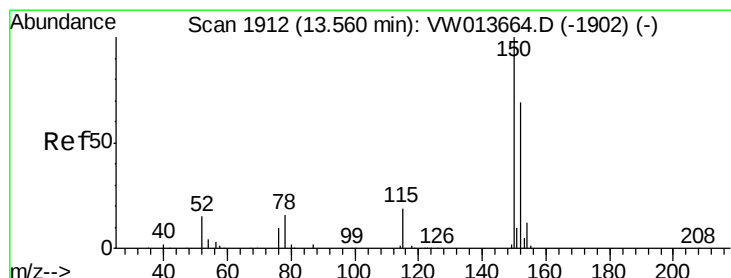
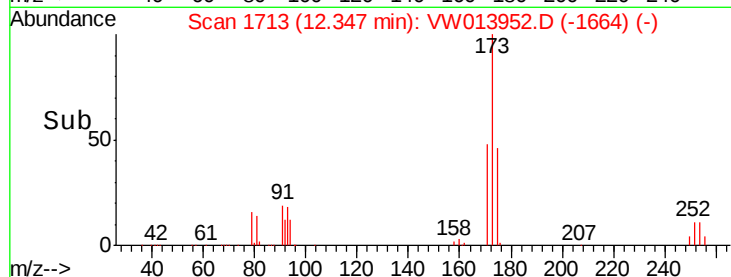
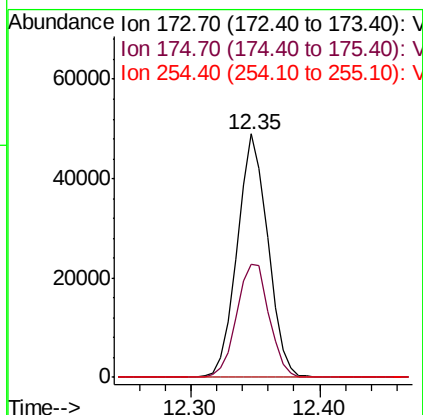
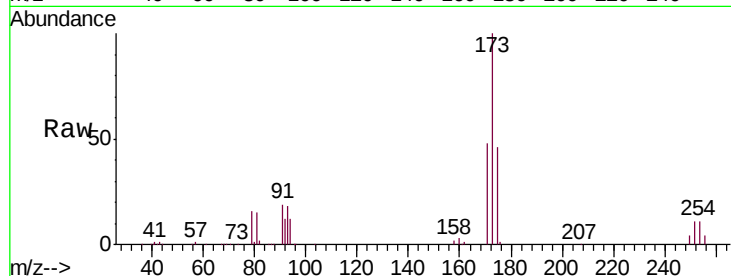




#71
Bromoform
Concen: 52.043 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

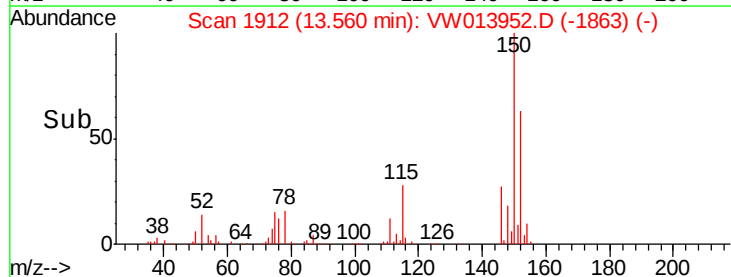
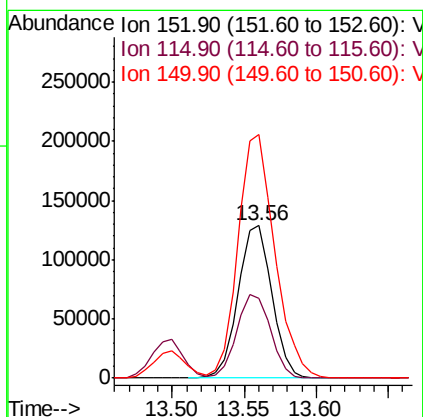
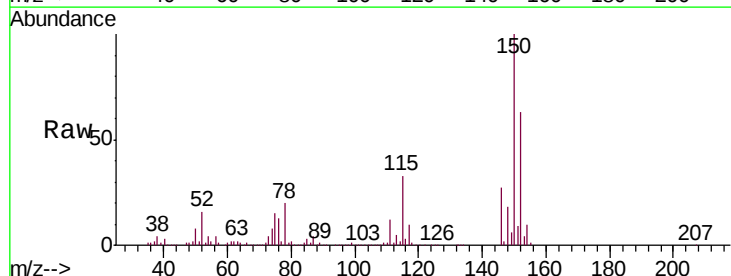
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

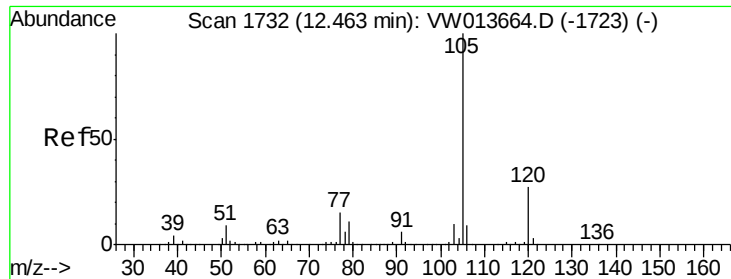
Tgt Ion:173 Resp: 80686
Ion Ratio Lower Upper
173 100
175 49.0 25.2 75.6
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion:152 Resp: 209312
Ion Ratio Lower Upper
152 100
115 55.0 27.4 82.2
150 173.6 0.0 345.4





#73

Isopropylbenzene

Concen: 51.168 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

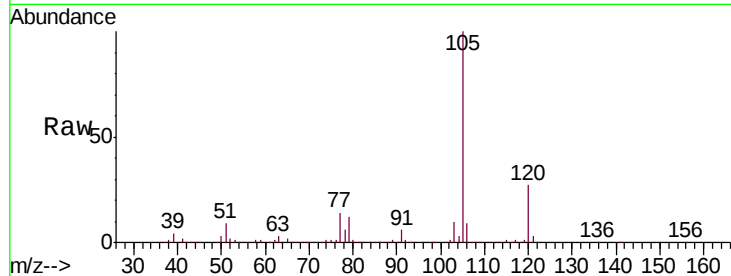
VSTDCCC050EC

Tgt Ion:105 Resp: 769123

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

500000

400000

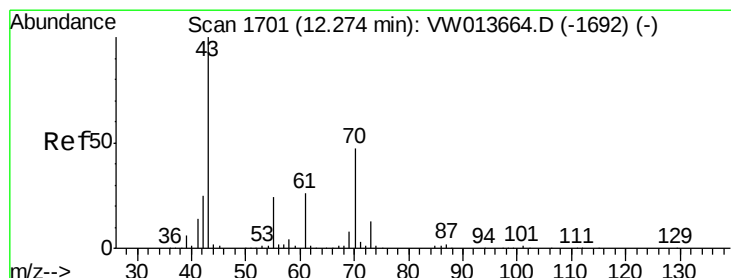
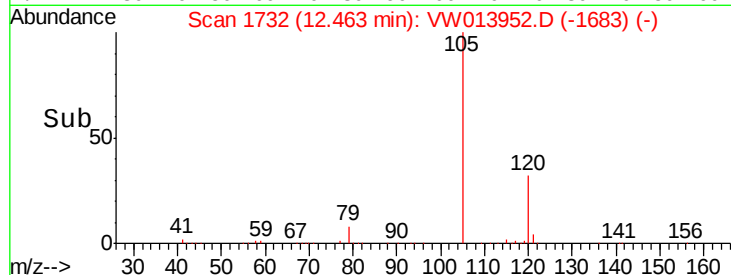
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 60.459 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Tgt Ion: 43 Resp: 175796

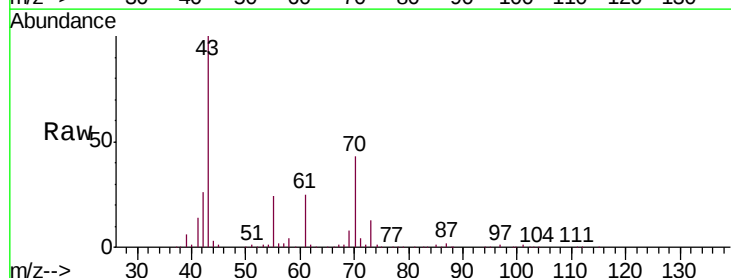
Ion Ratio Lower Upper

43 100

70 43.5 36.6 55.0

55 24.1 20.3 30.5

61 25.2 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

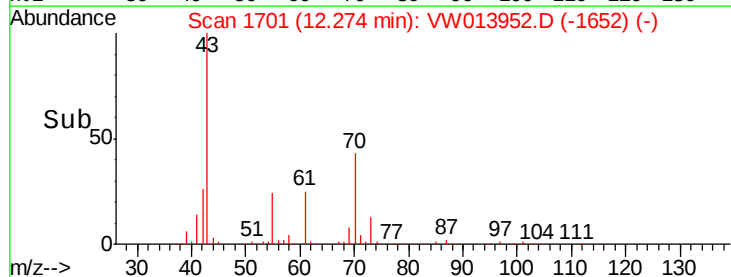
150000

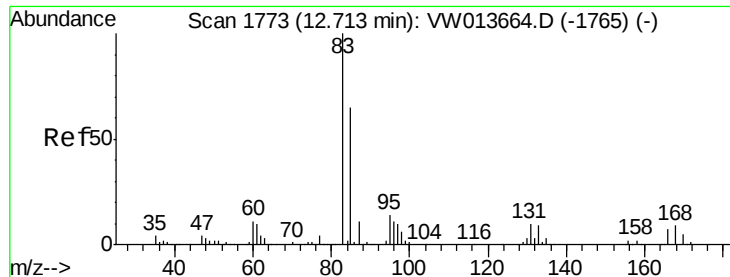
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.810 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

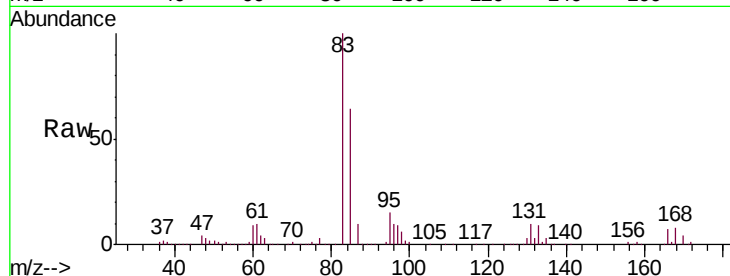
Tgt Ion: 83 Resp: 127638

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.1

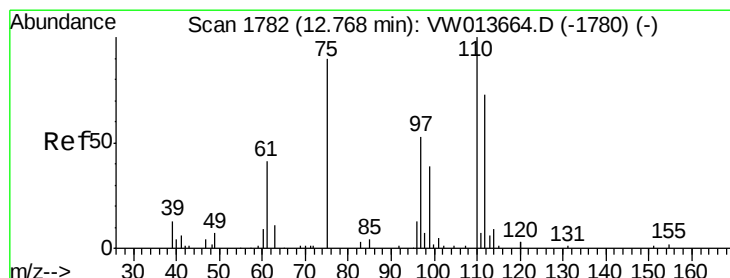
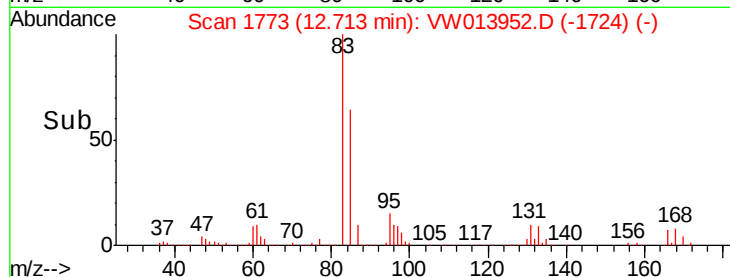
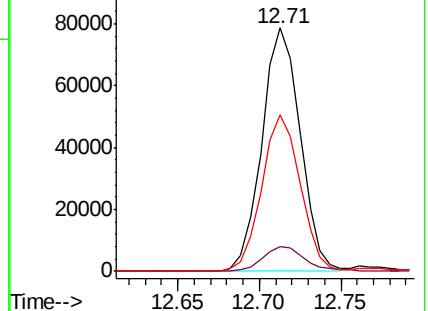
85 64.5 32.5 97.4



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: 108.175 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013952.D

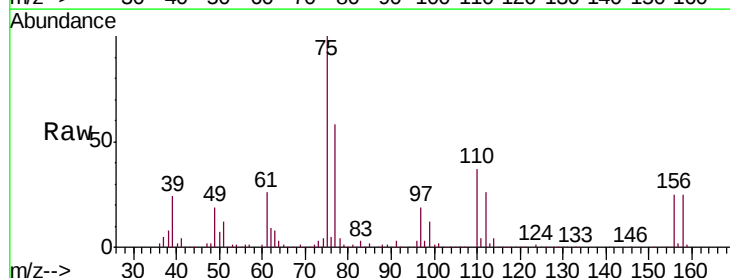
Acq: 08 Nov 2019 18:29

Tgt Ion: 75 Resp: 162604

Ion Ratio Lower Upper

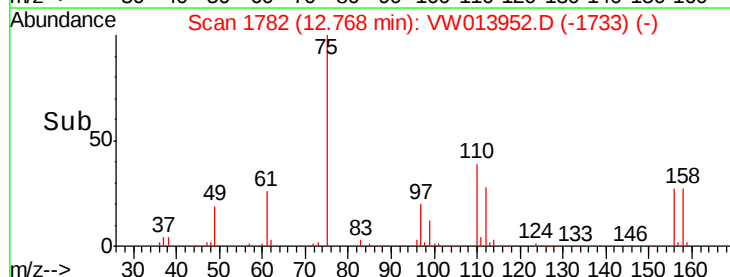
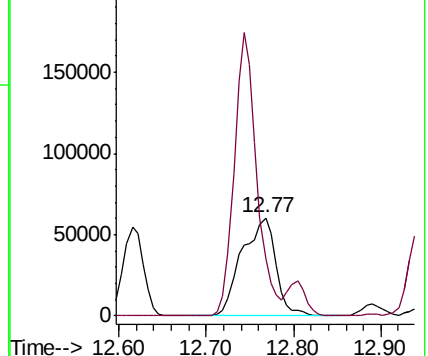
75 100

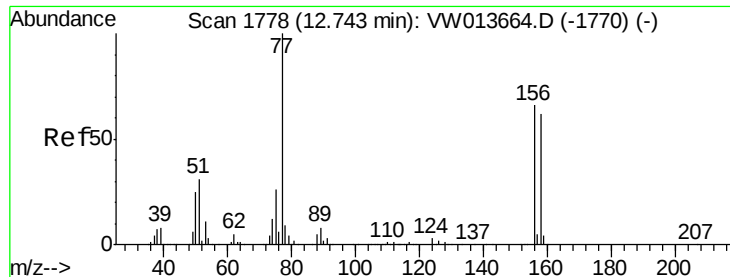
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.522 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

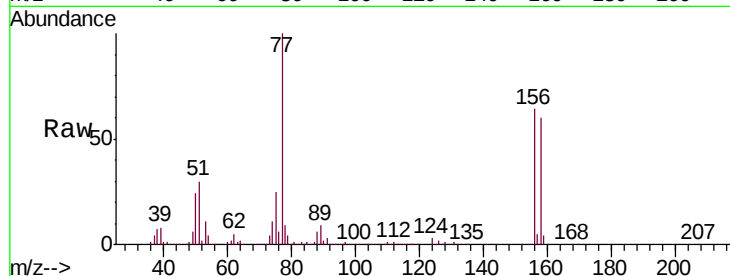
Tgt Ion:156 Resp: 185004

Ion Ratio Lower Upper

156 100

77 170.0 82.9 248.7

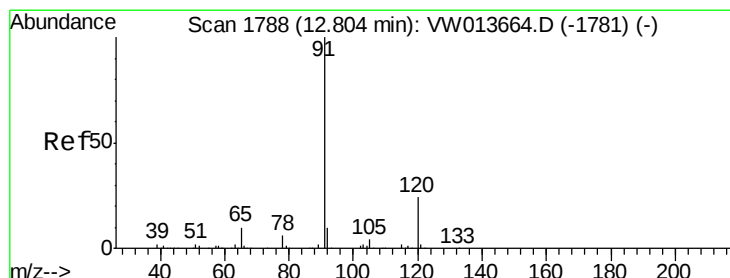
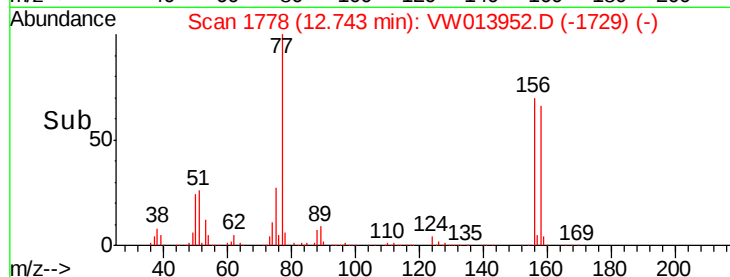
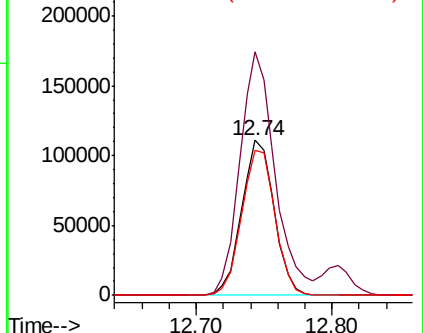
158 96.2 48.4 145.2



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: 51.367 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013952.D

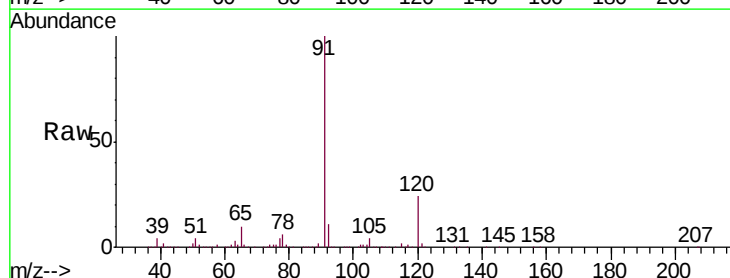
Acq: 08 Nov 2019 18:29

Tgt Ion: 91 Resp: 893688

Ion Ratio Lower Upper

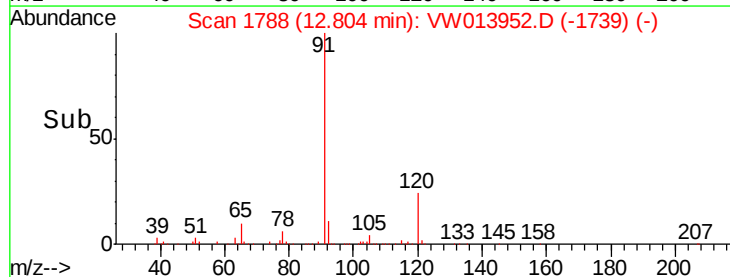
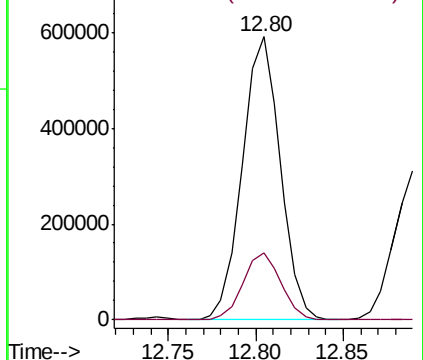
91 100

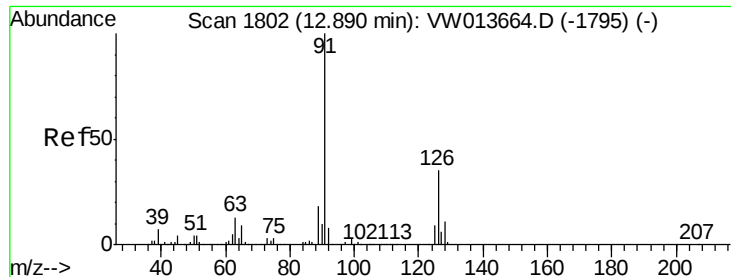
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.191 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

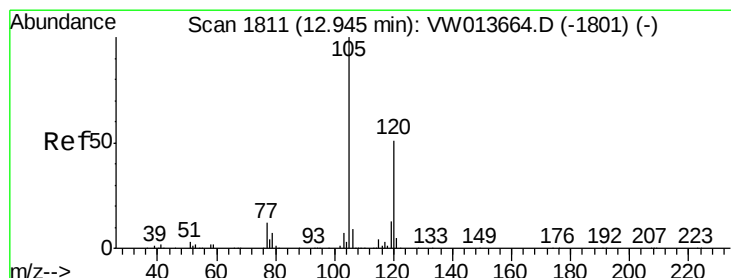
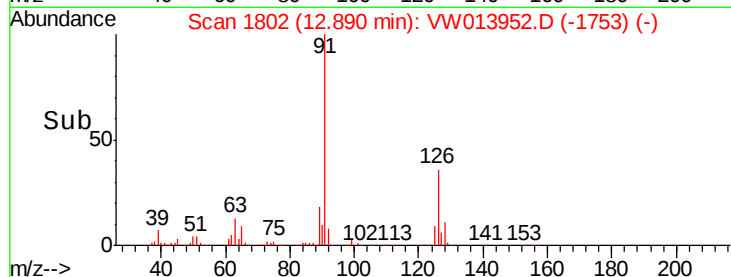
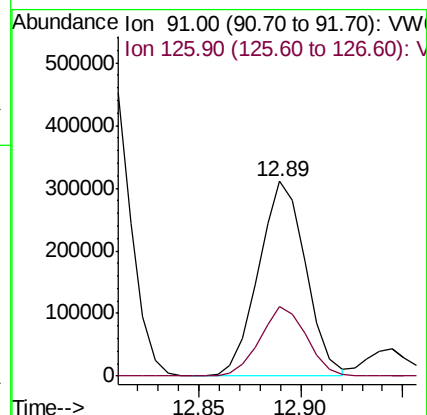
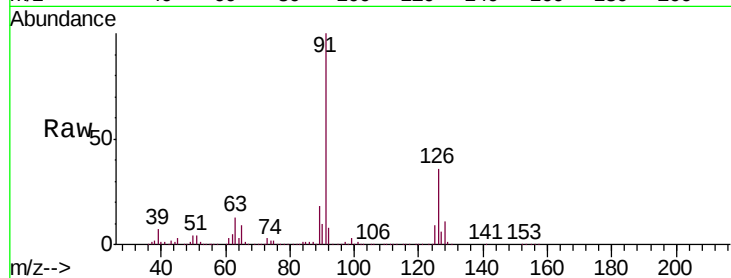
VSTDCCC050EC

Tgt Ion: 91 Resp: 500497

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 51.324 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013952.D

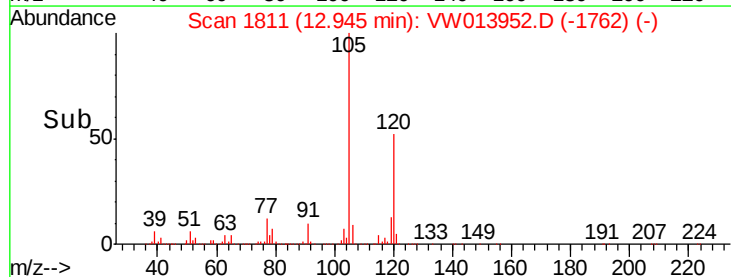
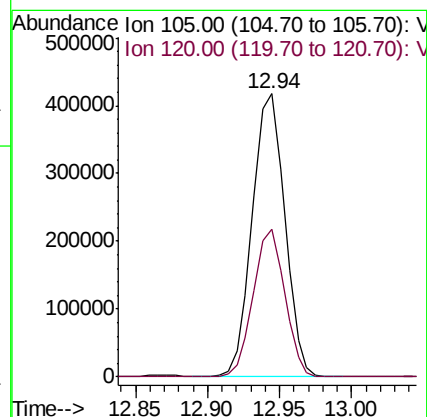
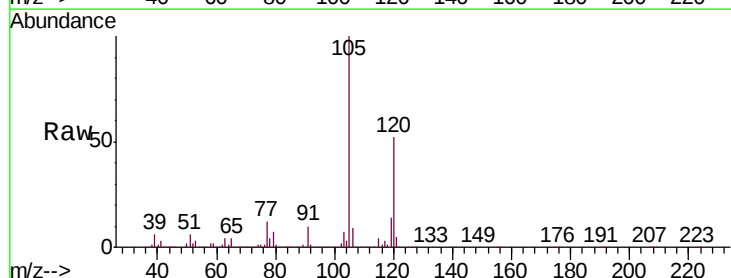
Acq: 08 Nov 2019 18:29

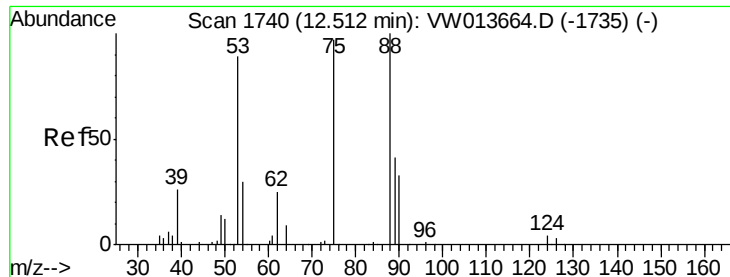
Tgt Ion: 105 Resp: 651248

Ion Ratio Lower Upper

105 100

120 50.7 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 55.419 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

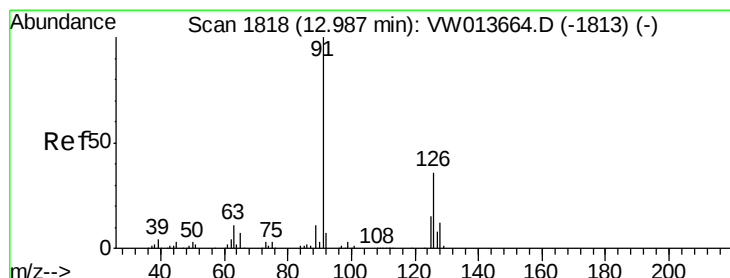
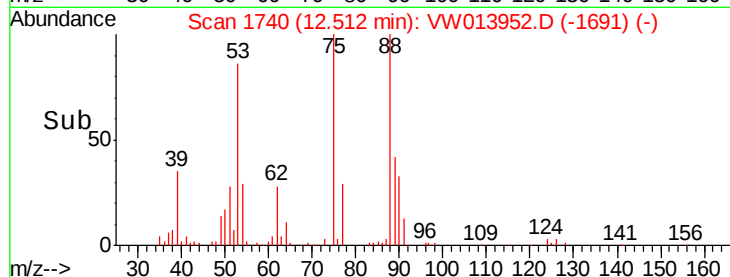
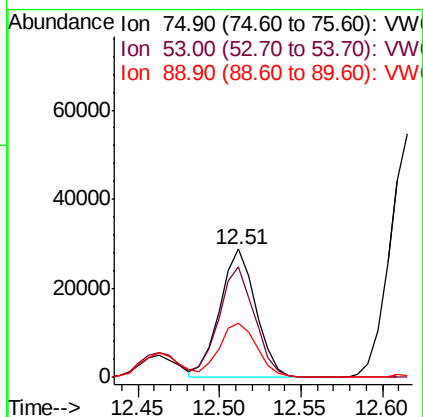
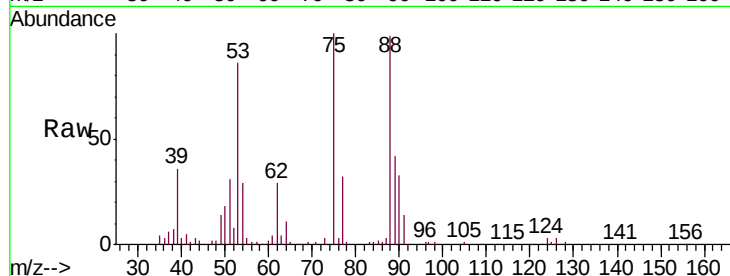
Tgt Ion: 75 Resp: 44079

Ion Ratio Lower Upper

75 100

53 86.4 71.7 107.5

89 44.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 50.998 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013952.D

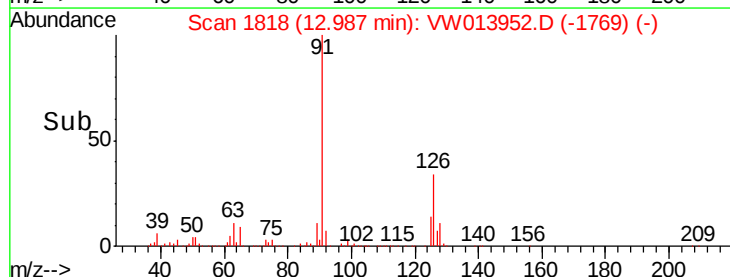
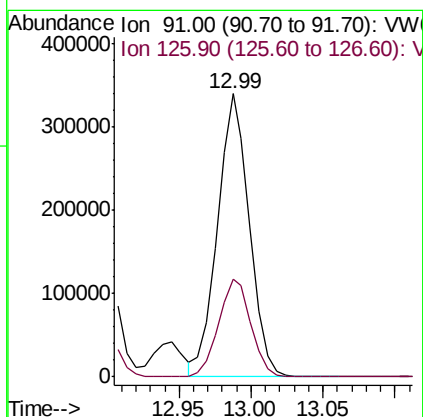
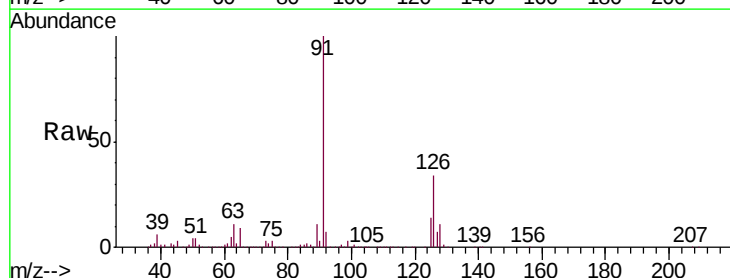
Acq: 08 Nov 2019 18:29

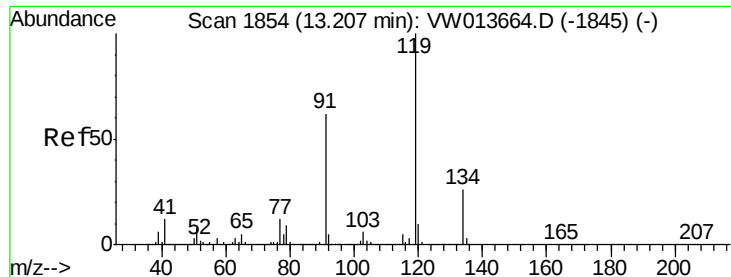
Tgt Ion: 91 Resp: 523461

Ion Ratio Lower Upper

91 100

126 35.1 17.2 51.5

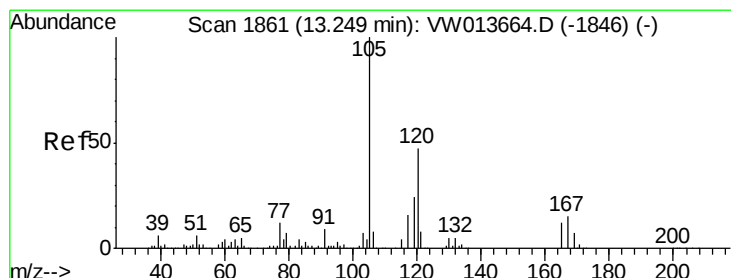
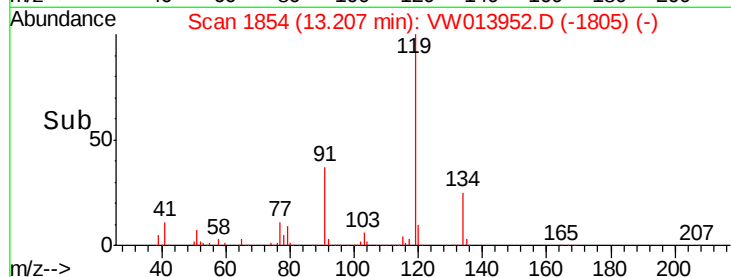
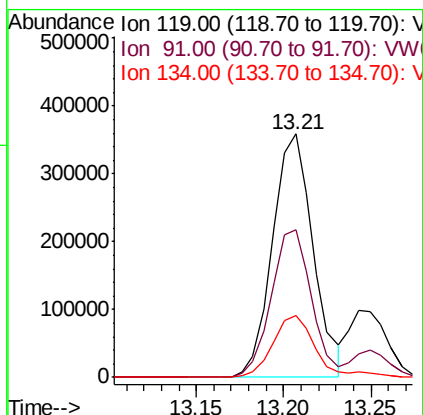
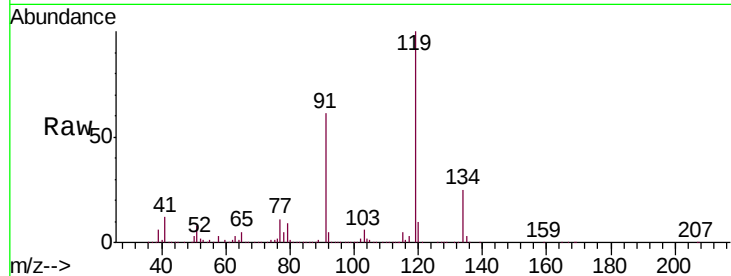




#83
 tert-Butylbenzene
 Concen: 51.815 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

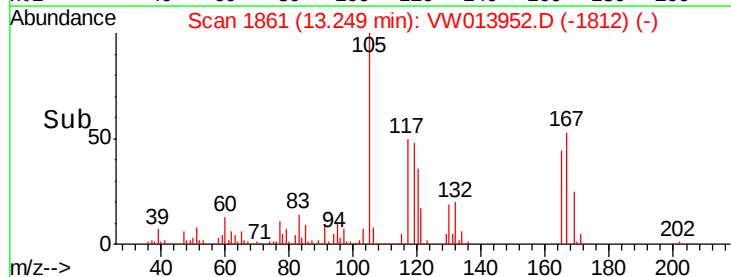
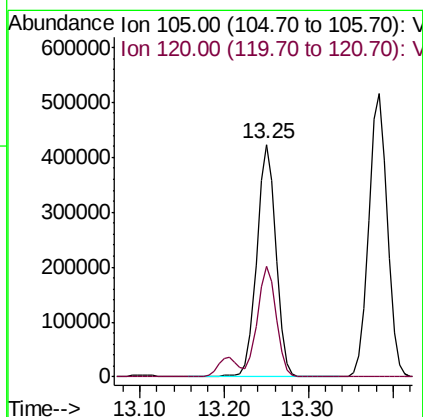
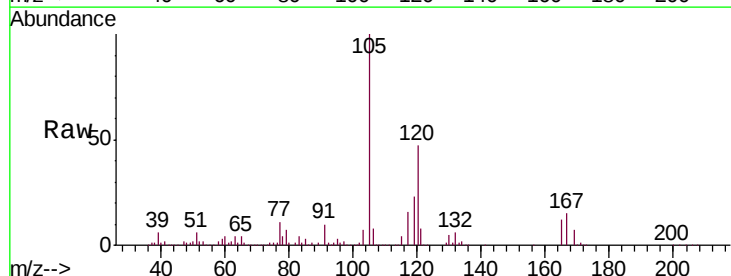
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

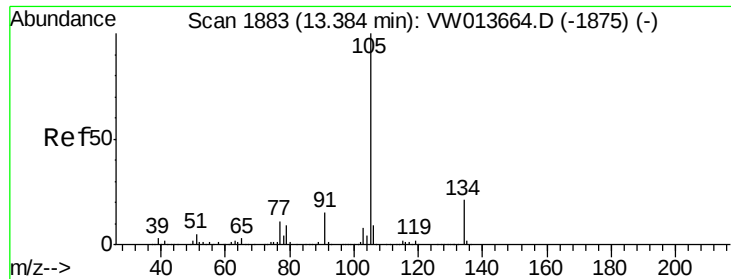
Tgt Ion:119 Resp: 583611
 Ion Ratio Lower Upper
 119 100
 91 59.7 30.4 91.3
 134 26.9 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.180 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion:105 Resp: 653129
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.5 70.5

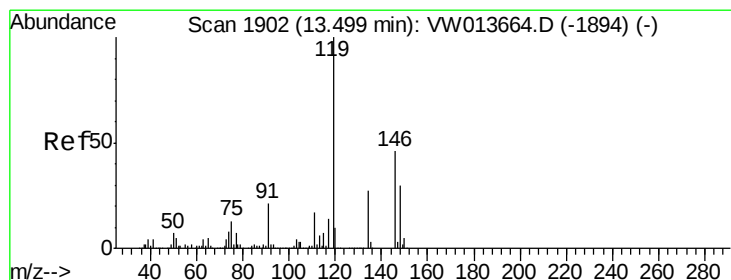
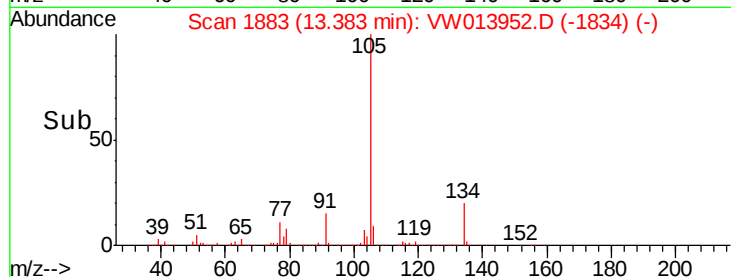
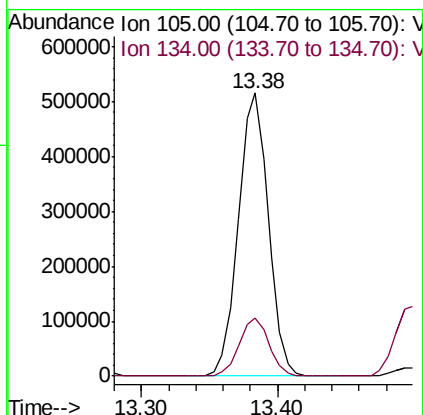
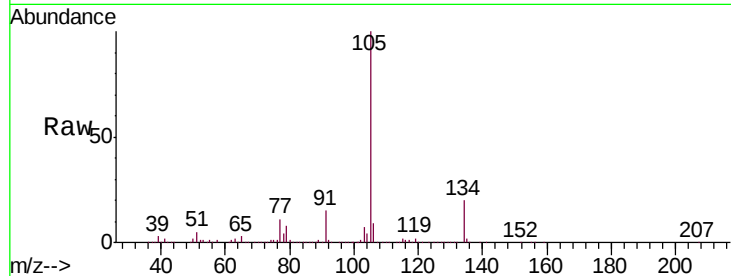




#85
 sec-Butylbenzene
 Concen: 51.302 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

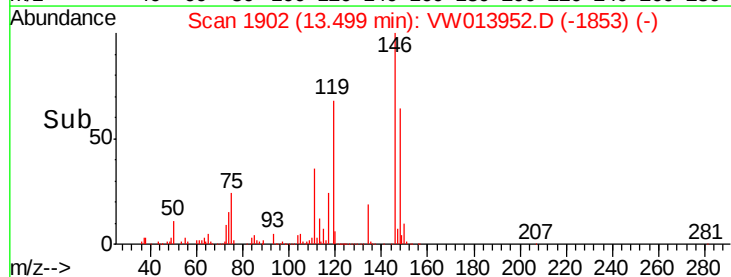
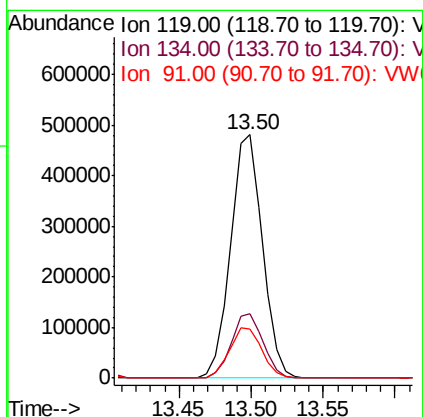
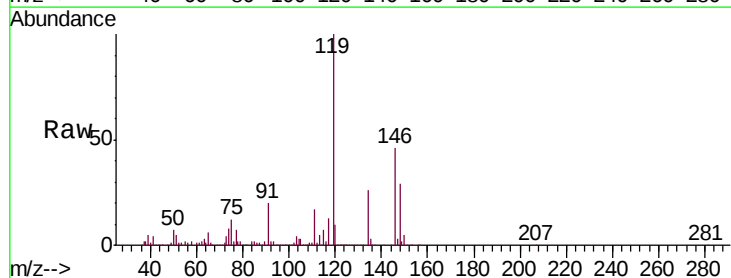
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

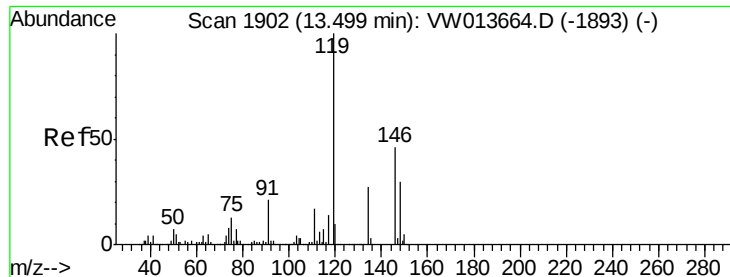
Tgt Ion:105 Resp: 790159
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 51.743 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion:119 Resp: 742364
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.4 40.1
 91 21.0 10.8 32.3

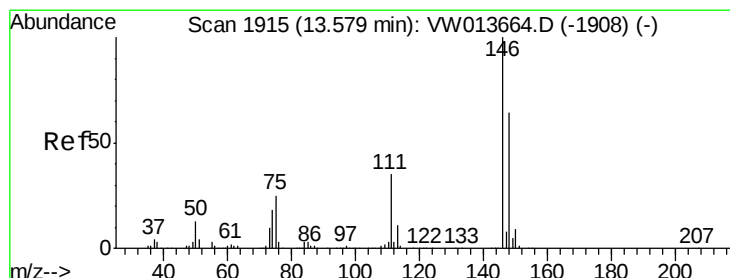
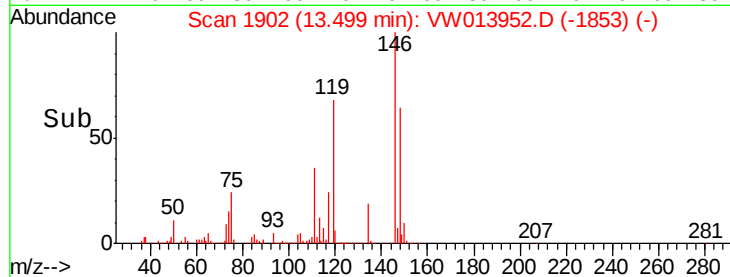
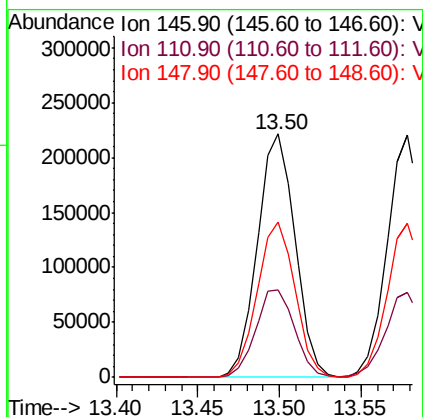
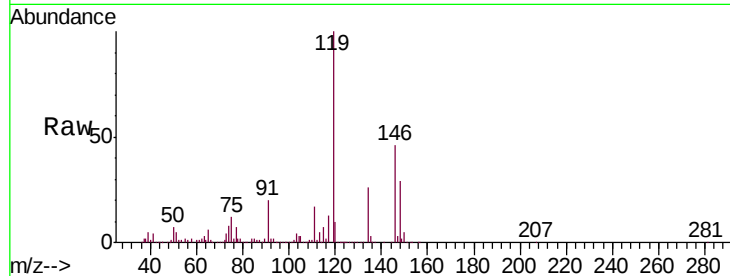




#87
 1,3-Dichlorobenzene
 Concen: 51.191 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

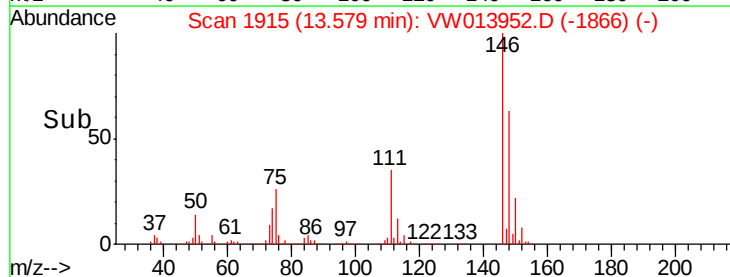
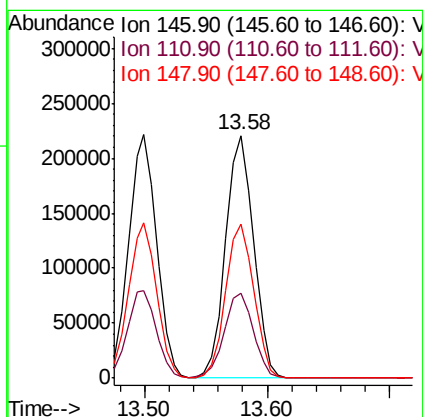
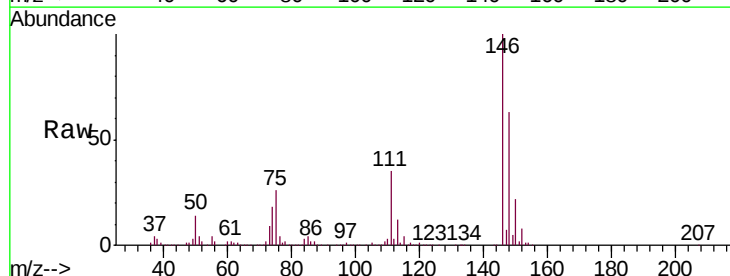
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

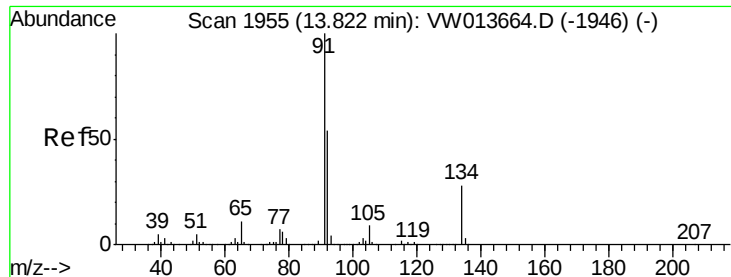
Tgt Ion:146 Resp: 356152
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 56.0
 148 64.0 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 50.683 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion:146 Resp: 350305
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.1 54.3
 148 63.9 32.0 96.2





#89

n-Butylbenzene

Concen: 51.931 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

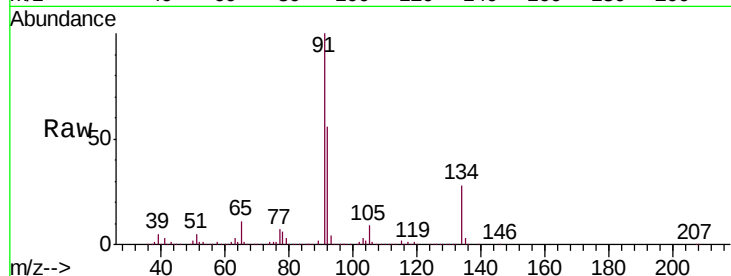
Tgt Ion: 91 Resp: 672521

Ion Ratio Lower Upper

91 100

92 55.8 27.5 82.4

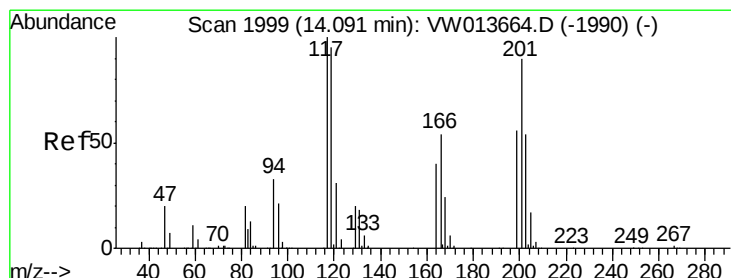
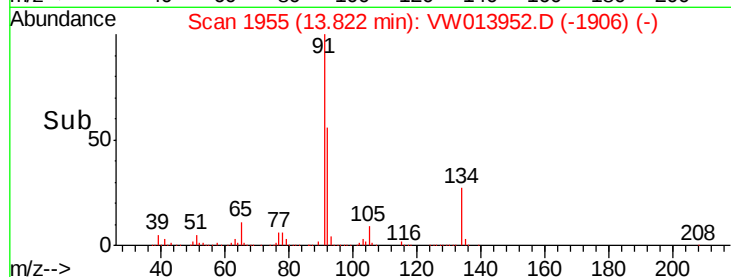
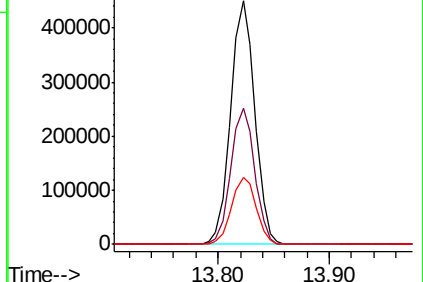
134 28.2 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.182 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013952.D

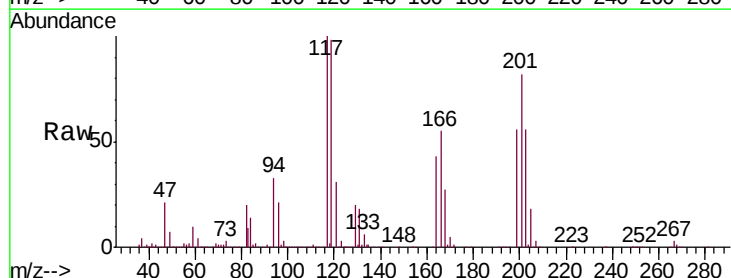
Acq: 08 Nov 2019 18:29

Tgt Ion: 117 Resp: 125144

Ion Ratio Lower Upper

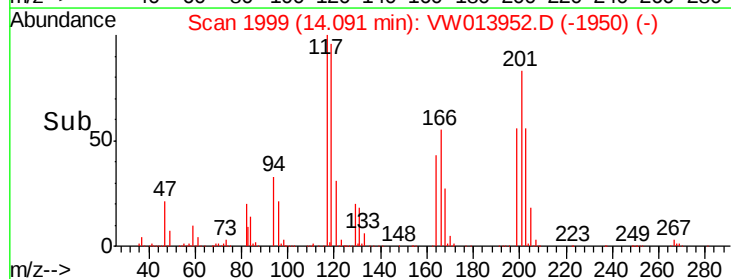
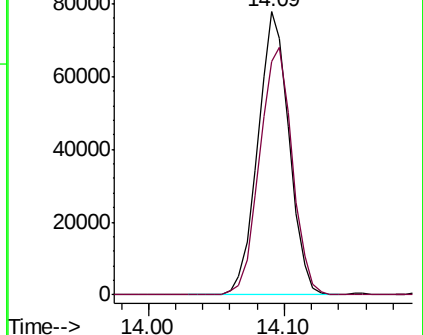
117 100

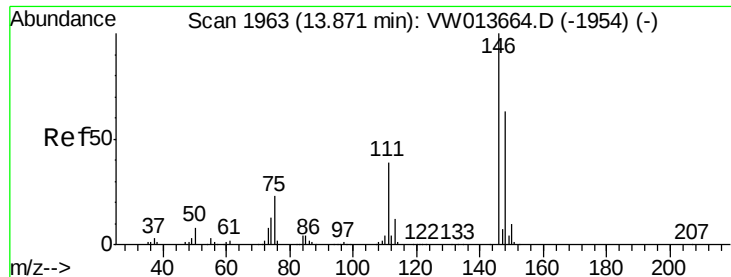
201 91.3 46.1 138.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

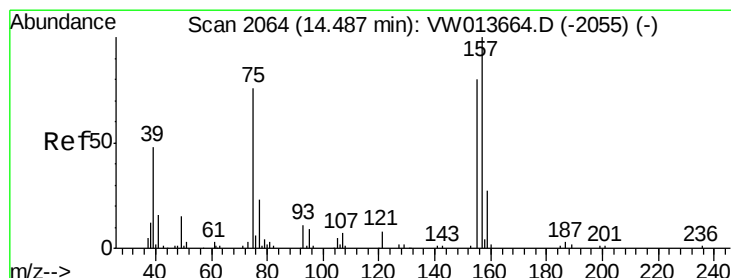
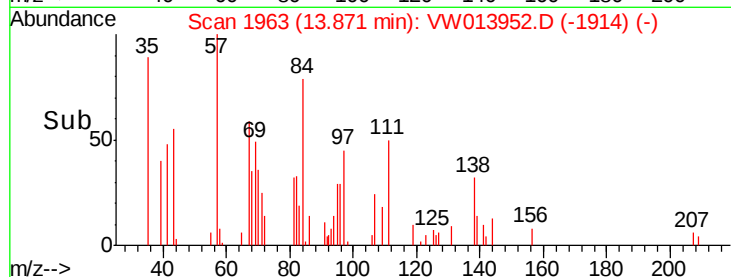
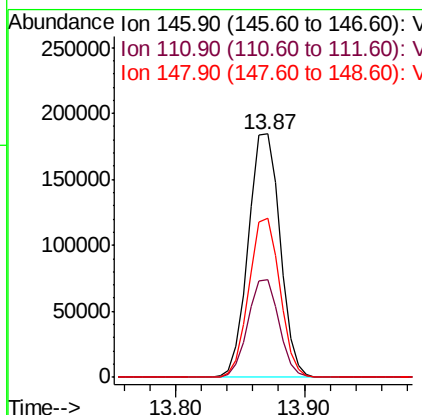
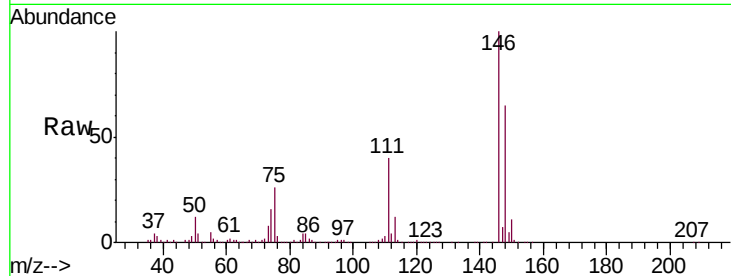




#91
 1,2-Dichlorobenzene
 Concen: 51.900 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

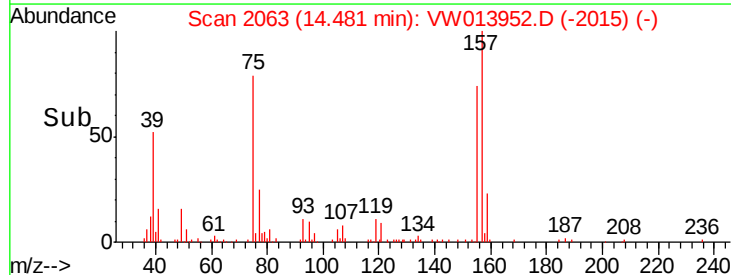
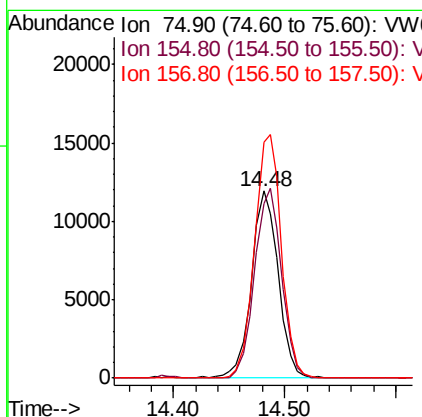
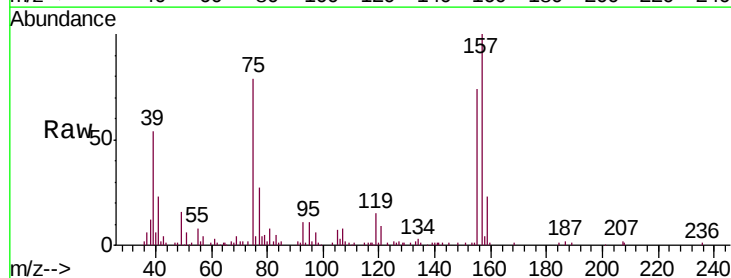
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

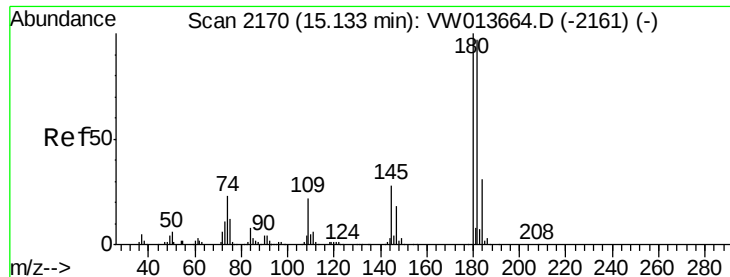
Tgt Ion: 146 Resp: 313082
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.9 59.6
 148 63.7 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.712 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion: 75 Resp: 19983
 Ion Ratio Lower Upper
 75 100
 155 102.3 51.9 155.7
 157 130.5 64.8 194.3

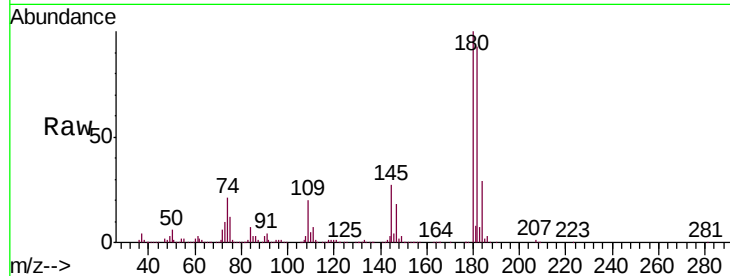




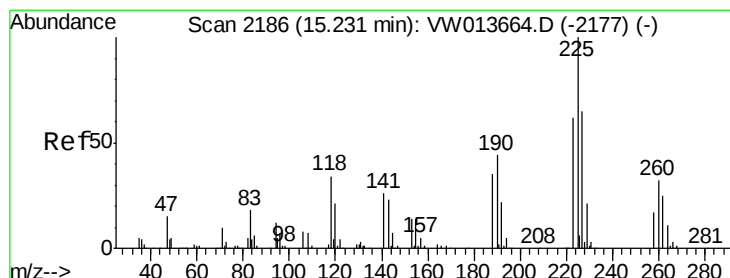
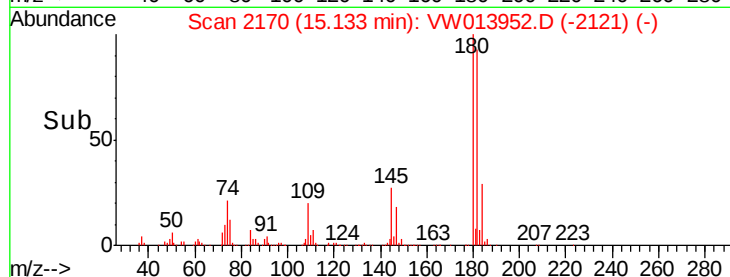
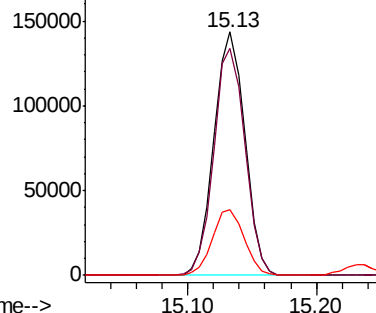
#93
 1,2,4-Trichlorobenzene
 Concen: 54.119 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 237592
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.4 142.2
 145 28.1 14.1 42.3

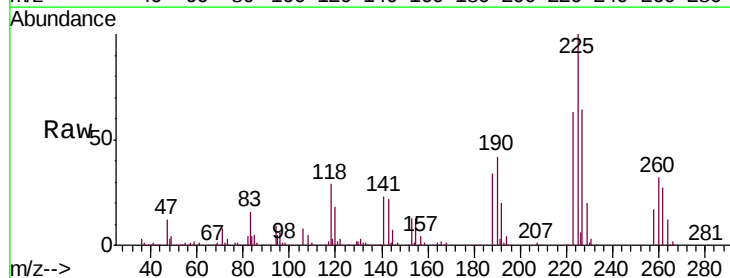


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

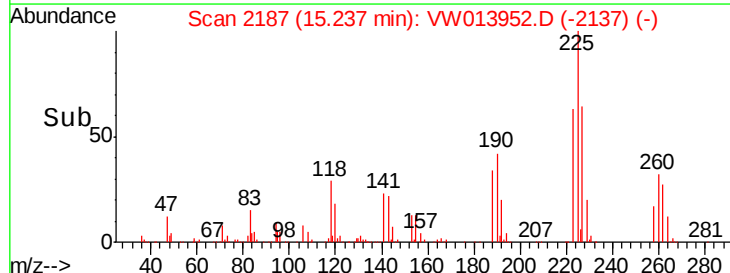
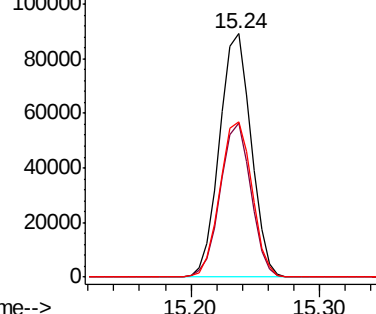


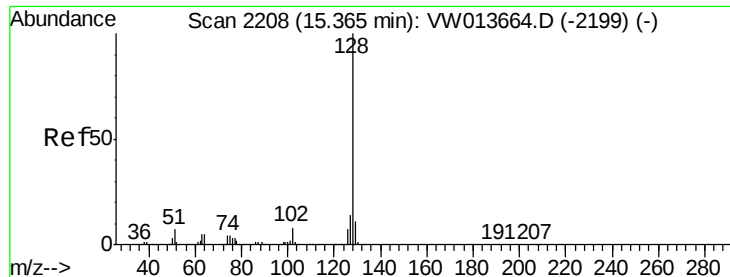
#94
 Hexachlorobutadiene
 Concen: 50.920 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion:225 Resp: 150912
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.9 95.9
 227 64.6 32.5 97.4



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

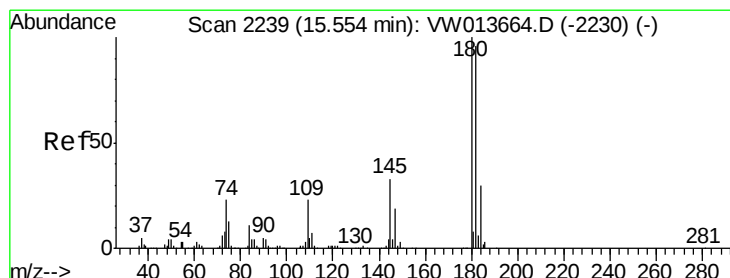
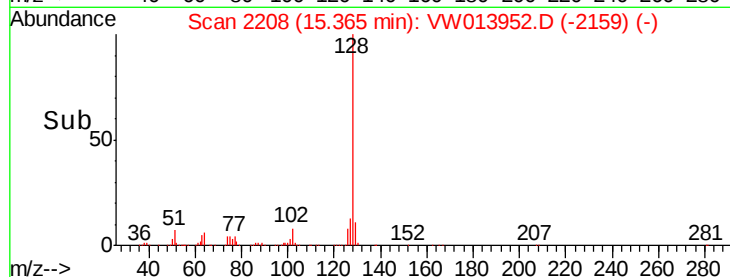
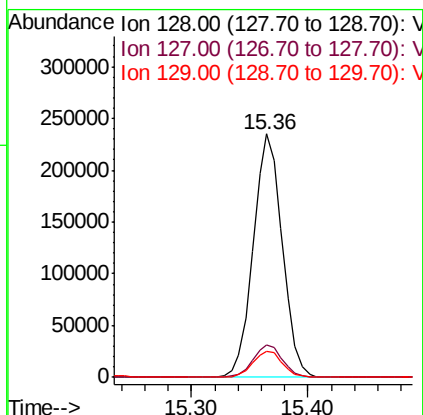
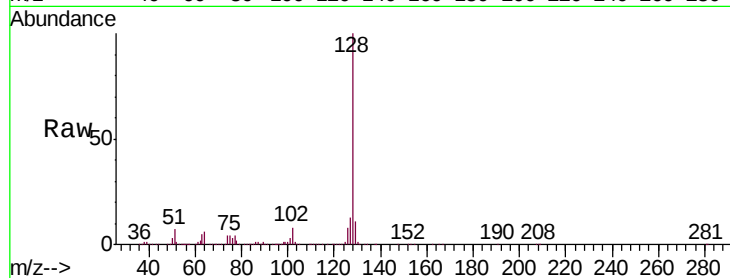




#95
Naphthalene
Concen: 59.300 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 408174
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.092 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion:180 Resp: 204626
Ion Ratio Lower Upper
180 100
182 92.8 47.4 142.3
145 29.6 14.9 44.9

