

Data File : VW013417.D
Acq On : 03 Oct 2019 13:35
Operator : SY/VA
Sample : VW1003SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
30464-67

Quant Time: Oct 04 08:22:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	305612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	438925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	191103	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	127229	55.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.52%	
35) Dibromofluoromethane	7.88	113	122931	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
50) Toluene-d8	10.32	98	521895	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
62) 4-Bromofluorobenzene	12.62	95	173482	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	19864	16.805	ug/l	97
3) Chloromethane	2.21	50	40362	20.692	ug/l	93
4) Vinyl Chloride	2.35	62	59356	21.441	ug/l	100
5) Bromomethane	2.76	94	34068	20.031	ug/l	94
6) Chloroethane	2.92	64	30445	19.046	ug/l	99
7) Trichlorofluoromethane	3.25	101	27508	22.904	ug/l	98
8) Diethyl Ether	3.68	74	28139	20.242	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54480	20.460	ug/l	99
10) Methyl Iodide	4.26	142	85927	19.982	ug/l	99
11) Tert butyl alcohol	5.18	59	27461	135.970	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	56424	20.056	ug/l	96
13) Acrolein	3.89	56	26242	119.506	ug/l	98
14) Allyl chloride	4.66	41	86199	20.712	ug/l	99
15) Acrylonitrile	5.37	53	72524	115.409	ug/l	98
16) Acetone	4.12	43	65979	94.330	ug/l	99
17) Carbon Disulfide	4.38	76	155781	19.849	ug/l	99
18) Methyl Acetate	4.67	43	37801	23.090	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	88251	21.314	ug/l	97
20) Methylene Chloride	4.91	84	66117	21.627	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	59956	20.012	ug/l	99
22) Diisopropyl ether	6.31	45	161869	20.140	ug/l	97
23) Vinyl Acetate	6.25	43	520190	107.864	ug/l	98
24) 1,1-Dichloroethane	6.21	63	98898	20.202	ug/l	97
25) 2-Butanone	7.16	43	98276	109.805	ug/l	96
26) 2,2-Dichloropropane	7.16	77	62203	20.999	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	62433	19.909	ug/l	98
28) Bromochloromethane	7.51	49	33247	18.784	ug/l #	100
29) Tetrahydrofuran	7.52	42	61291	122.867	ug/l	99
30) Chloroform	7.67	83	95054	19.802	ug/l	98
31) Cyclohexane	7.95	56	105871	20.279	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	79435	21.123	ug/l	99
36) 1,1-Dichloropropene	8.08	75	85652	21.010	ug/l	99
37) Ethyl Acetate	7.25	43	40775	22.744	ug/l #	95
38) Carbon Tetrachloride	8.07	117	75173	21.287	ug/l	100

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	109129	20.326	ug/l	99
40) Benzene	8.32	78	235902	20.441	ug/l	98
41) Methacrylonitrile	7.48	41	24241	22.345	ug/l	94
42) 1,2-Dichloroethane	8.40	62	62727	21.148	ug/l	98
43) Isopropyl Acetate	8.42	43	74084	21.877	ug/l	99
44) Trichloroethene	9.09	130	67276	20.701	ug/l	99
45) 1,2-Dichloropropane	9.37	63	55546	20.047	ug/l	97
46) Dibromomethane	9.46	93	28889	20.932	ug/l	98
47) Bromodichloromethane	9.65	83	67743	19.939	ug/l	95
48) Methyl methacrylate	9.43	41	37706	23.174	ug/l	93
49) 1,4-Dioxane	9.46	88	10787	496.323	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	202157	113.624	ug/l	99
52) Toluene	10.39	92	150319	20.194	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	70761	20.023	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	85497	19.954	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43145	20.956	ug/l	98
56) Ethyl methacrylate	10.65	69	57875	20.885	ug/l	99
57) 1,3-Dichloropropane	10.93	76	75550	21.108	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	134961	118.559	ug/l	99
59) 2-Hexanone	10.97	43	137306	111.341	ug/l	100
60) Dibromochloromethane	11.13	129	47989	20.375	ug/l	99
61) 1,2-Dibromoethane	11.23	107	41859	21.040	ug/l	98
64) Tetrachloroethene	10.86	164	58482	20.776	ug/l	94
65) Chlorobenzene	11.66	112	154316	20.358	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	53000	20.529	ug/l	99
67) Ethyl Benzene	11.73	91	285847	21.041	ug/l	98
68) m/p-Xylenes	11.84	106	217245	41.428	ug/l	98
69) o-Xylene	12.16	106	100837	20.798	ug/l	96
70) Styrene	12.18	104	170759	20.603	ug/l	99
71) Bromoform	12.35	173	31135	22.243	ug/l #	99
73) Isopropylbenzene	12.46	105	280404	20.059	ug/l	100
74) N-amyl acetate	12.27	43	62814	21.114	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	51630	21.822	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	65289	38.440	ug/l #	100
77) Bromobenzene	12.74	156	66407	19.784	ug/l	100
78) n-propylbenzene	12.80	91	325361	20.234	ug/l	100
79) 2-Chlorotoluene	12.89	91	182612	20.447	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	233271	20.089	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16372	22.977	ug/l	98
82) 4-Chlorotoluene	12.99	91	189832	20.291	ug/l	99
83) tert-Butylbenzene	13.21	119	209613	20.666	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	231896	20.089	ug/l	99
85) sec-Butylbenzene	13.38	105	287341	20.548	ug/l	100
86) p-Isopropyltoluene	13.49	119	266409	20.557	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	126333	20.006	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	125727	19.885	ug/l	99
89) n-Butylbenzene	13.82	91	240882	20.616	ug/l	100
90) Hexachloroethane	14.09	117	44105	20.599	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	112408	20.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8206	23.188	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100319\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	75817	18.925	ug/l	97
94) Hexachlorobutadiene	15.24	225	52911	20.331	ug/l	98
95) Naphthalene	15.37	128	138864	20.548	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	67402	19.270	ug/l	99

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

Data File : VW013417.D

Acq On : 03 Oct 2019 13:35

Operator : SY/VA

Sample : VW1003SBSD01

Misc : 5.00G/5ML/MSVOA W/SOIL

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
30464-67

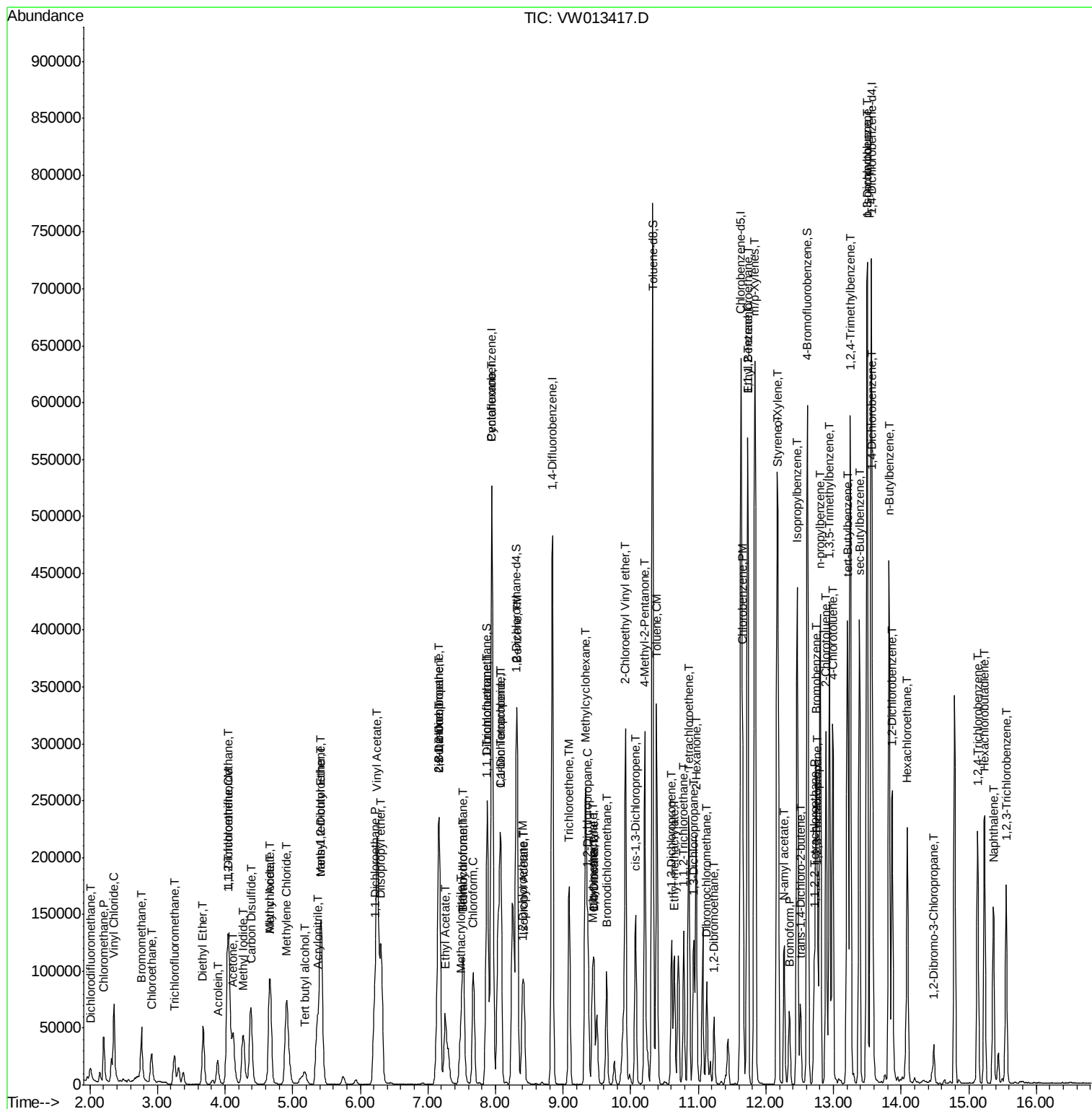
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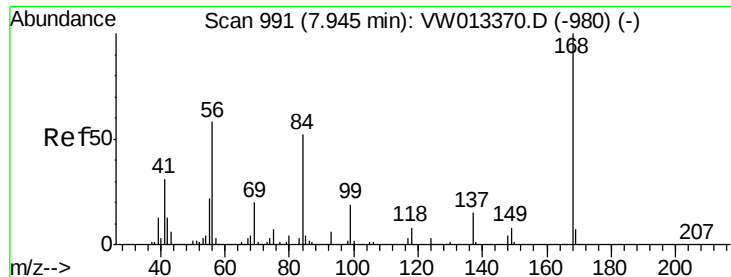
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Quant Title : SW846 8260

QLast Update : Wed Oct 02 11:49:57 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

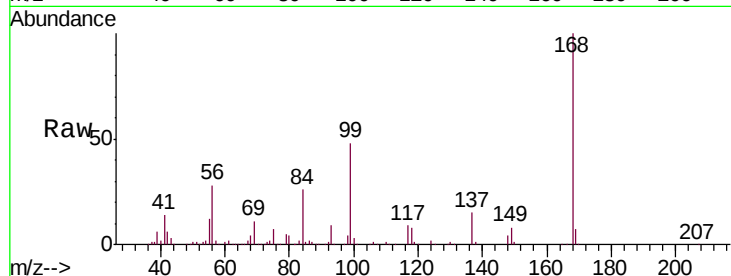
30464-67

Tgt Ion:168 Resp: 305612

Ion Ratio Lower Upper

168 100

99 48.2 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

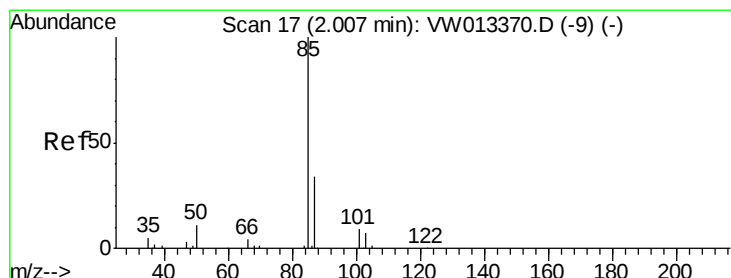
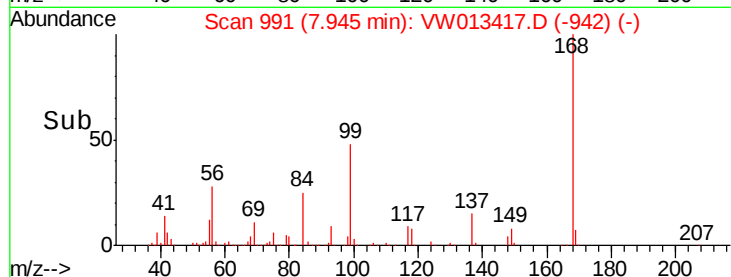
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.805 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013417.D

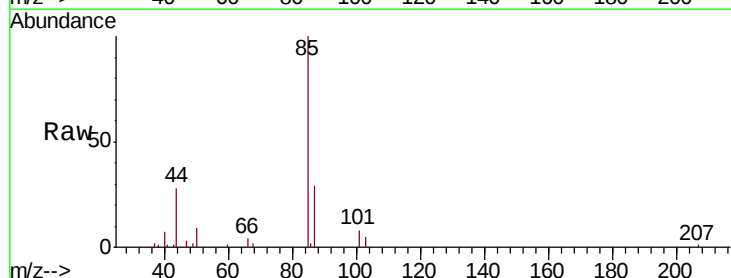
Acq: 03 Oct 2019 13:35

Tgt Ion: 85 Resp: 19864

Ion Ratio Lower Upper

85 100

87 28.8 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

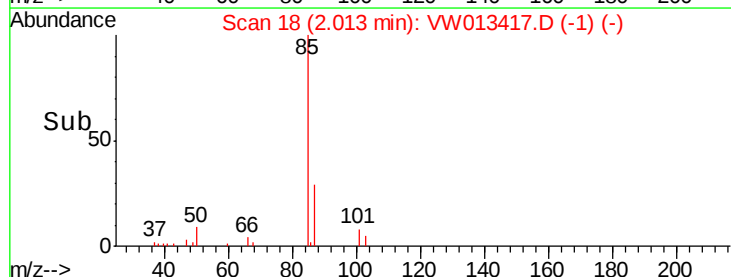
6000

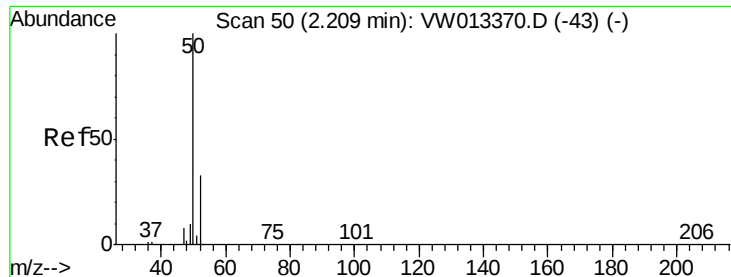
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 20.692 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

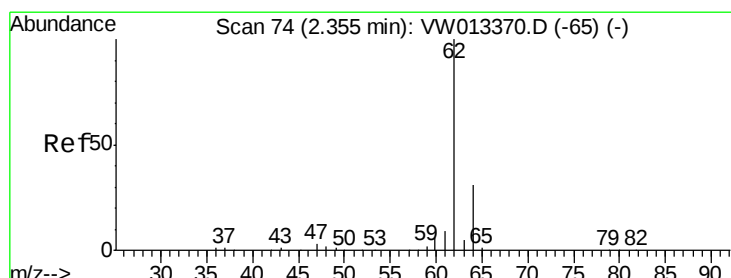
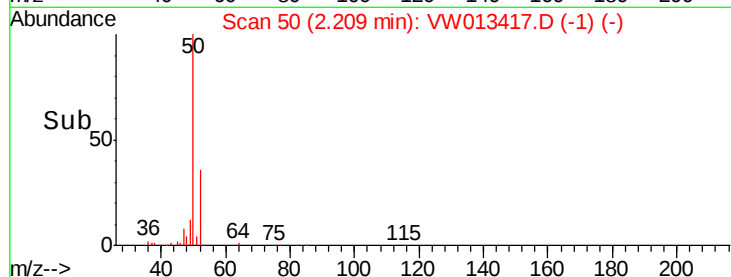
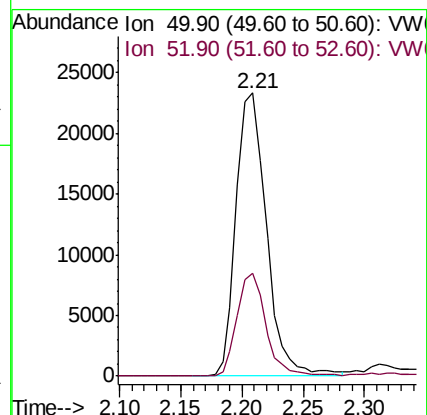
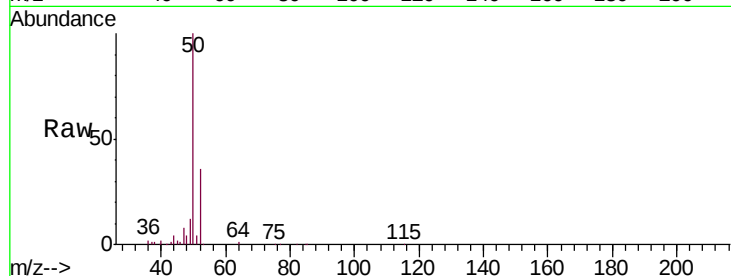
30464-67

Tgt Ion: 50 Resp: 40362

Ion Ratio Lower Upper

50 100

52 36.4 26.1 39.1



#4

Vinyl Chloride

Concen: 21.441 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013417.D

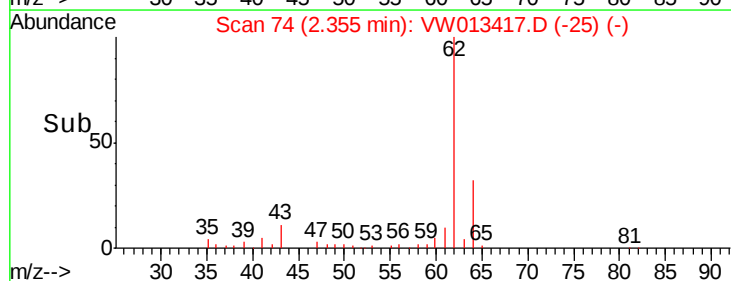
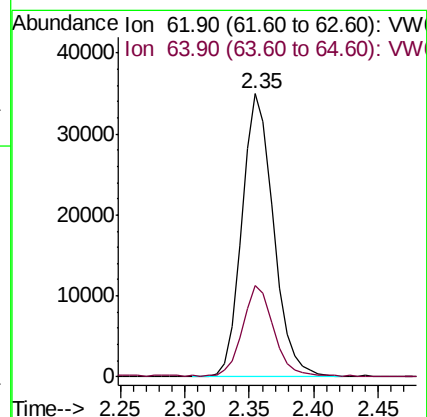
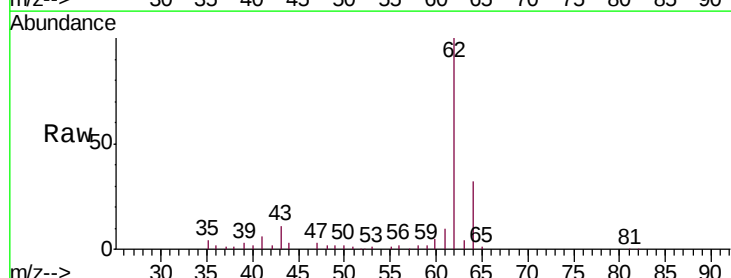
Acq: 03 Oct 2019 13:35

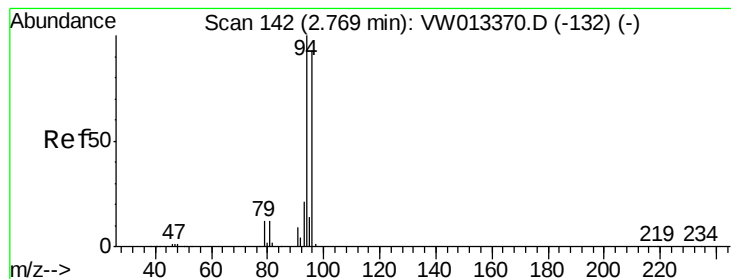
Tgt Ion: 62 Resp: 59356

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 20.031 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

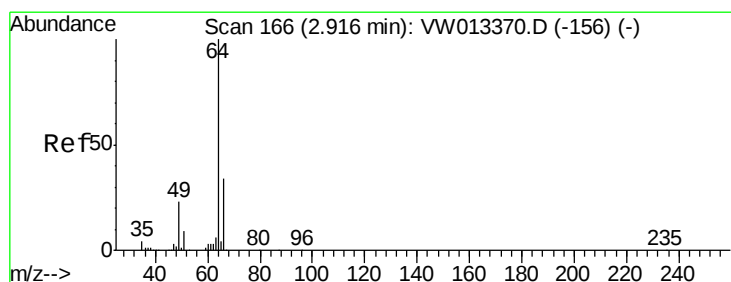
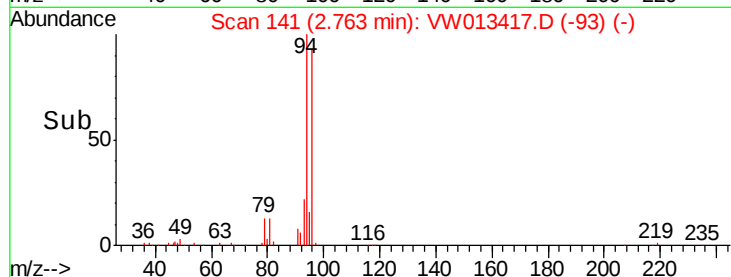
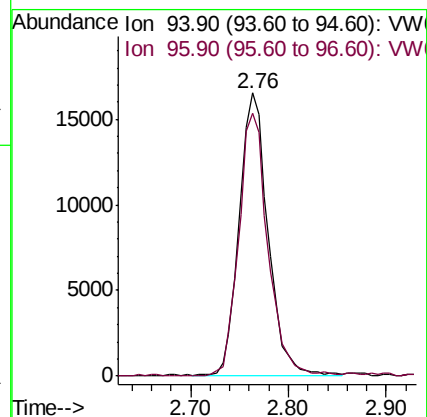
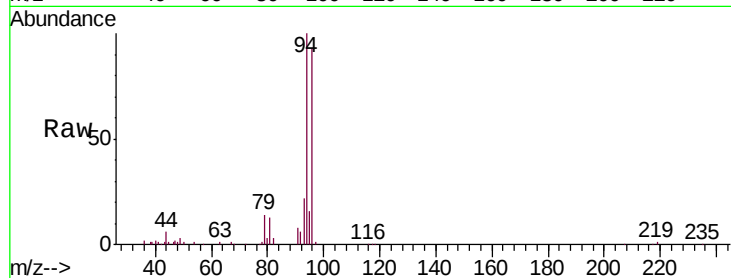
30464-67

Tgt Ion: 94 Resp: 34068

Ion Ratio Lower Upper

94 100

96 93.1 69.7 104.5



#6

Chloroethane

Concen: 19.046 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013417.D

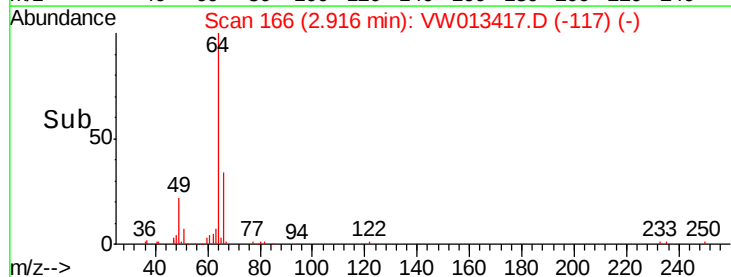
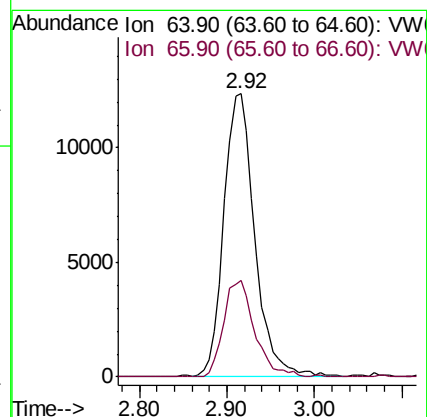
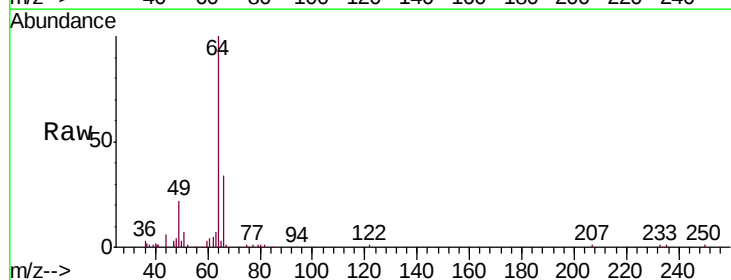
Acq: 03 Oct 2019 13:35

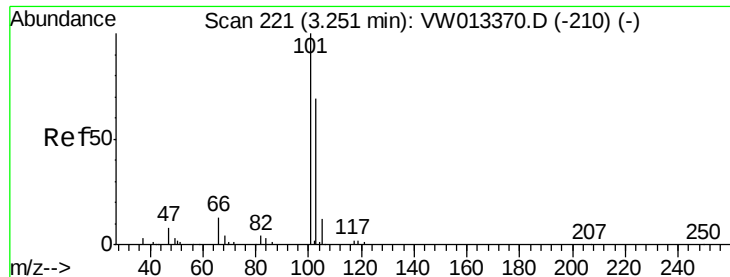
Tgt Ion: 64 Resp: 30445

Ion Ratio Lower Upper

64 100

66 33.9 26.6 39.8



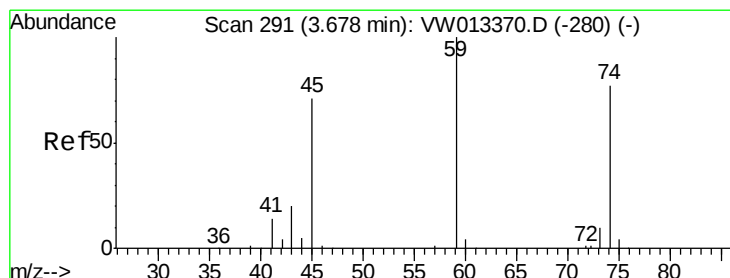
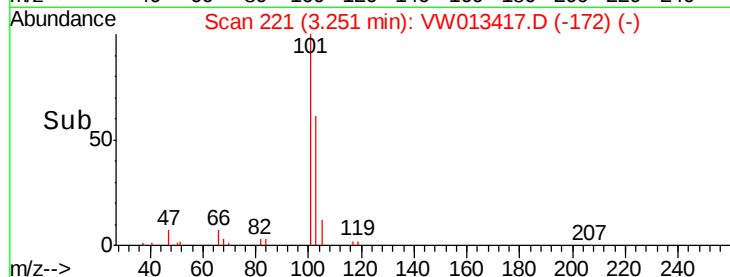
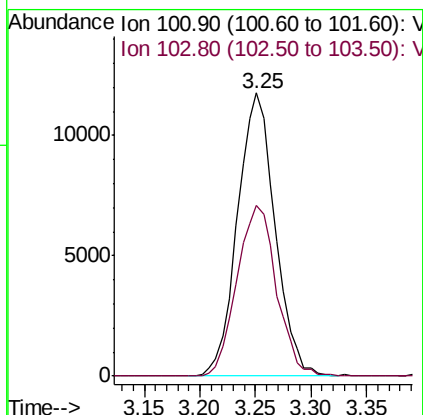
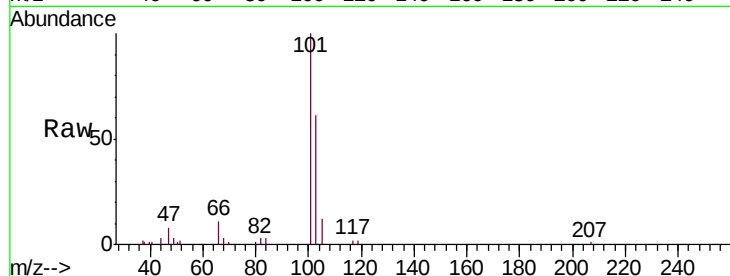


#7

Trichlorofluoromethane
 Concen: 22.904 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013417.D
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 30464-67

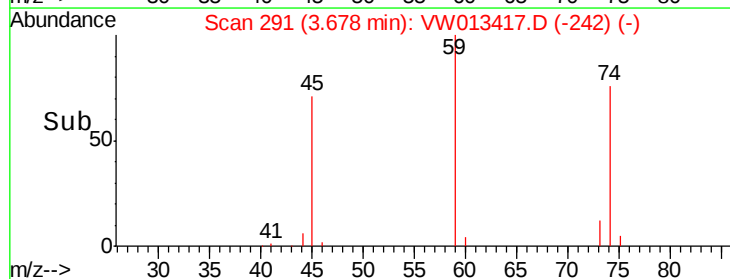
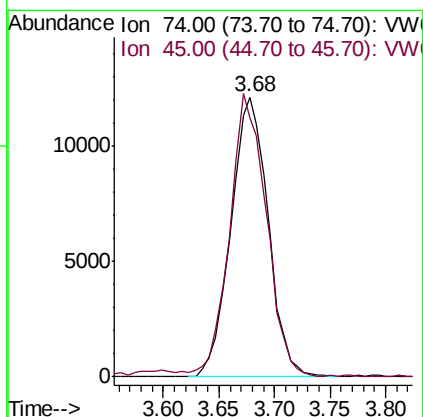
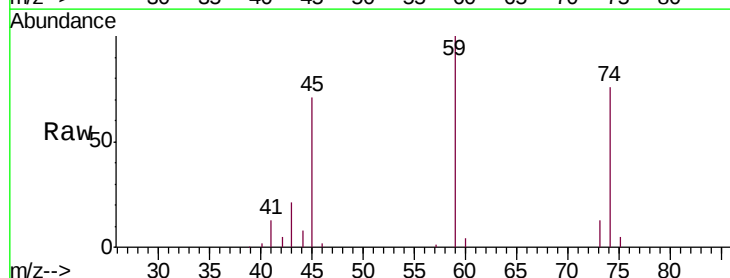
Tgt Ion:101 Resp: 27508
 Ion Ratio Lower Upper
 101 100
 103 60.5 49.7 74.5

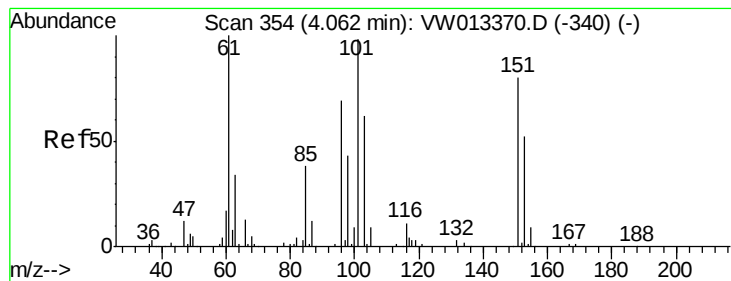


#8

Diethyl Ether
 Concen: 20.242 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion: 74 Resp: 28139
 Ion Ratio Lower Upper
 74 100
 45 99.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.460 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

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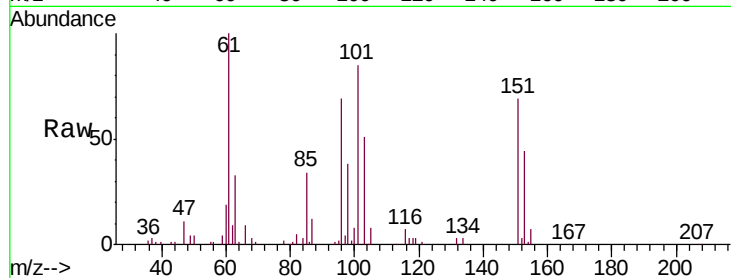
Tgt Ion:101 Resp: 54480

Ion Ratio Lower Upper

101 100

85 41.4 33.4 50.0

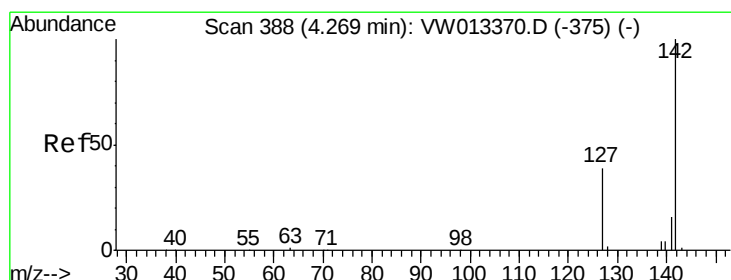
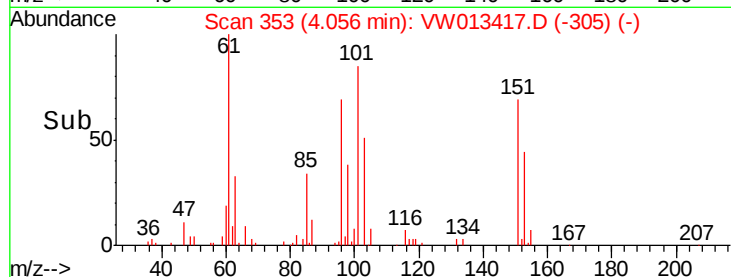
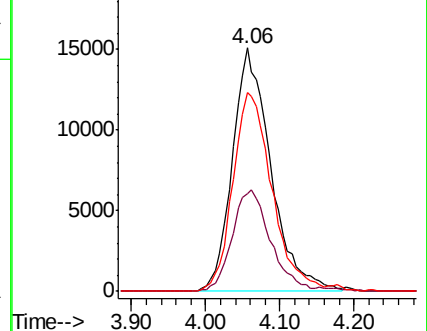
151 83.0 66.9 100.3



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: 19.982 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

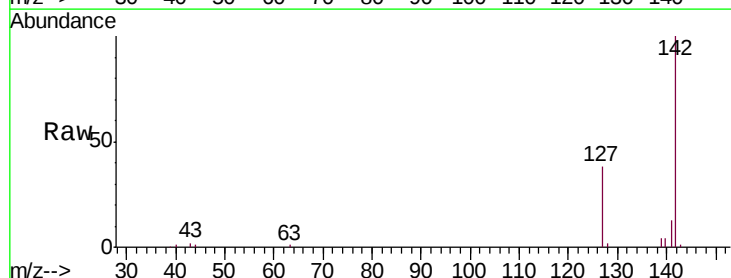
Tgt Ion:142 Resp: 85927

Ion Ratio Lower Upper

142 100

127 38.5 30.9 46.3

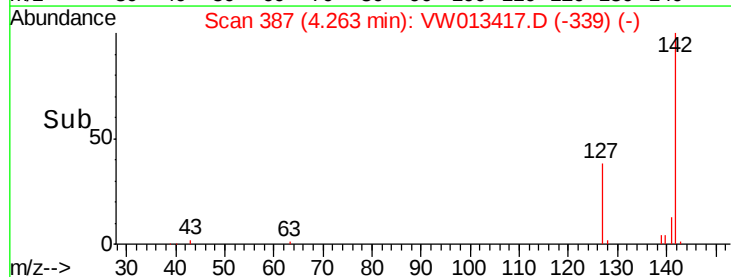
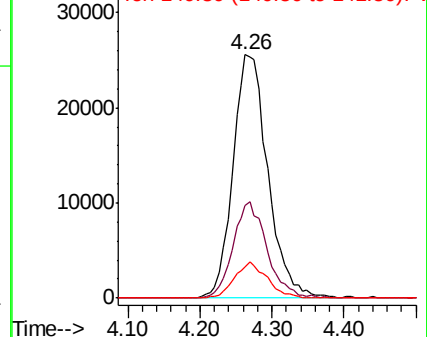
141 13.8 11.7 17.5

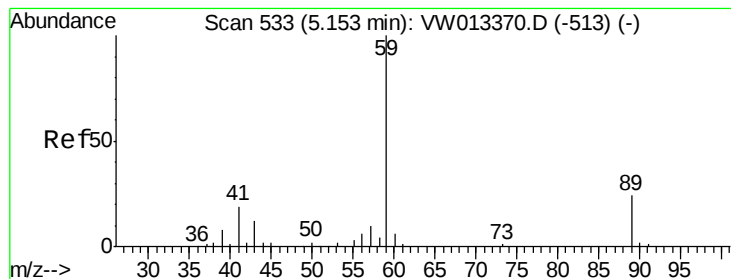


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



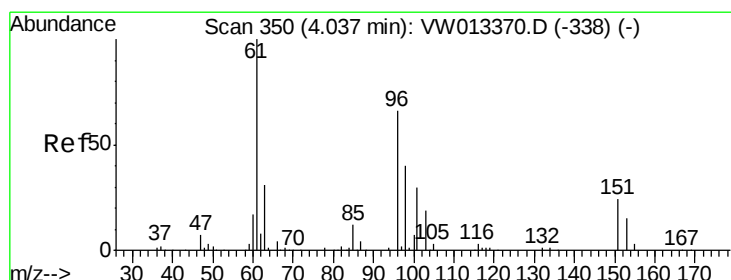
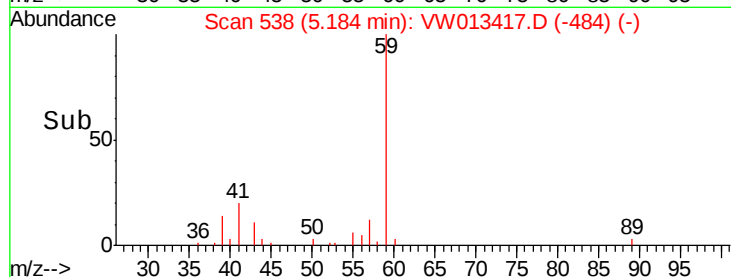
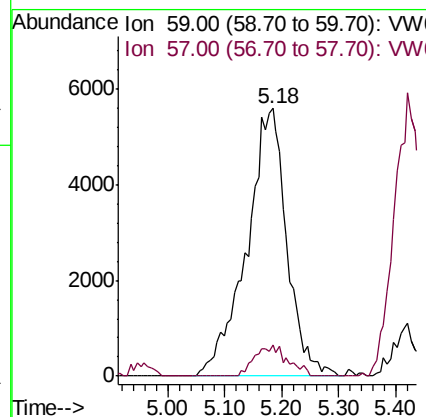
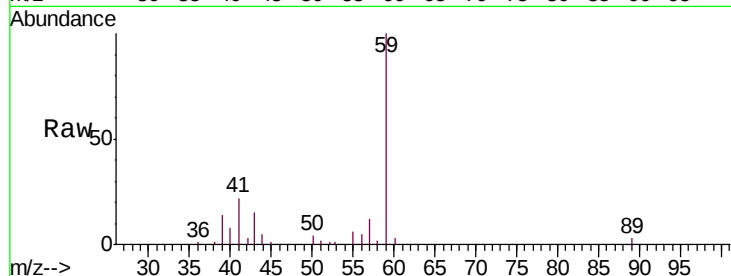


#11

Tert butyl alcohol
 Concen: 135.970 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.03 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 30464-67

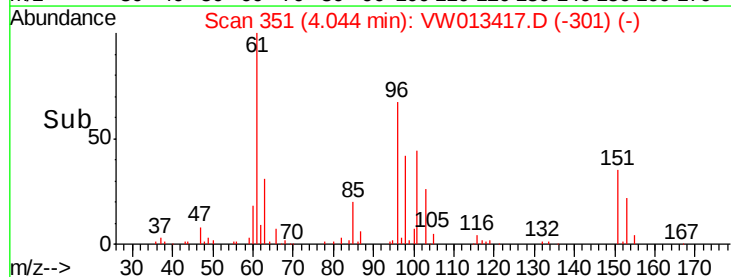
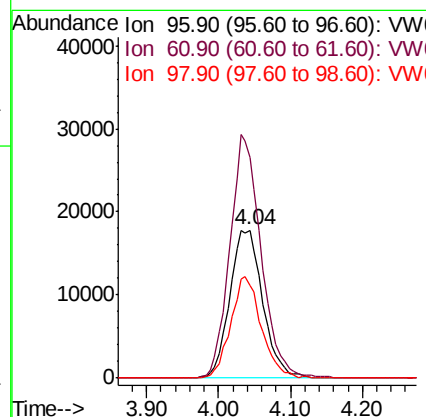
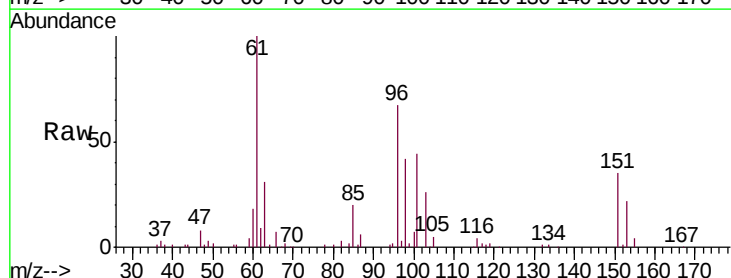
Tgt Ion: 59 Resp: 27461
 Ion Ratio Lower Upper
 59 100
 57 4.5 8.2 12.2#

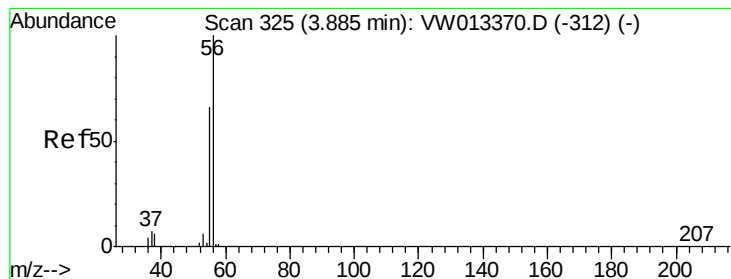


#12

1,1-Dichloroethene
 Concen: 20.056 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion: 96 Resp: 56424
 Ion Ratio Lower Upper
 96 100
 61 149.3 125.1 187.7
 98 62.8 50.8 76.2





#13

Acrolein

Concen: 119.506 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

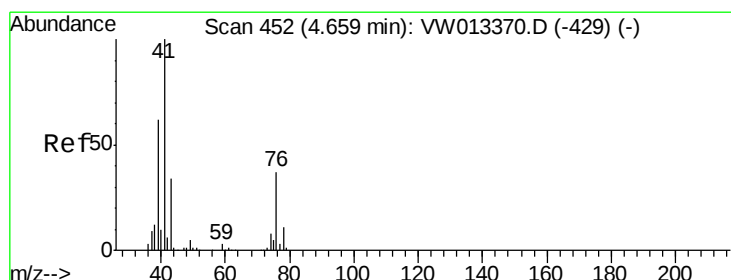
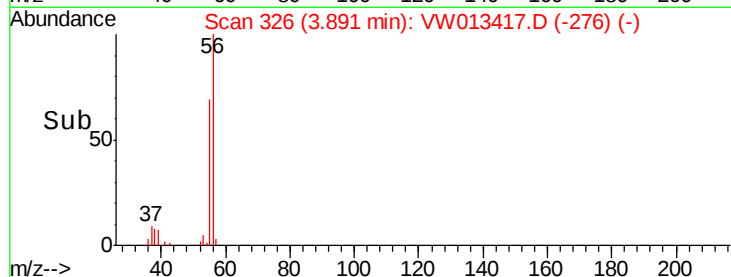
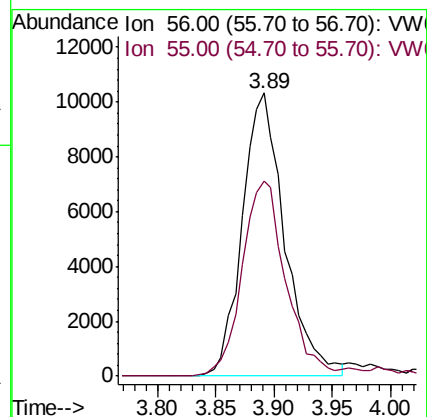
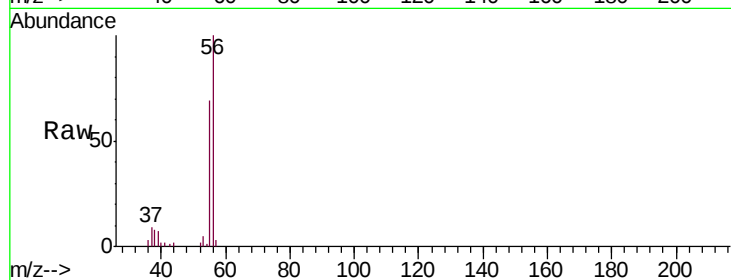
30464-67

Tgt Ion: 56 Resp: 26242

Ion Ratio Lower Upper

56 100

55 70.6 55.4 83.0



#14

Allyl chloride

Concen: 20.712 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

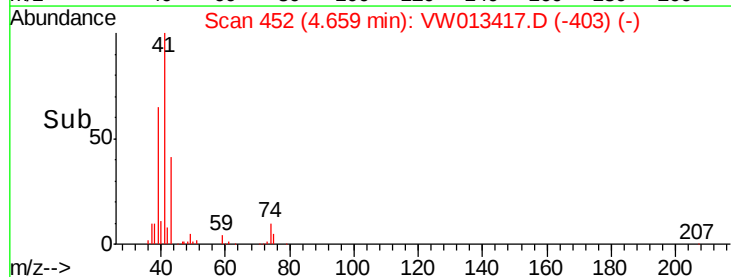
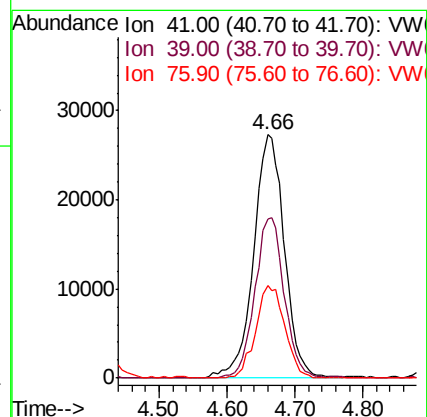
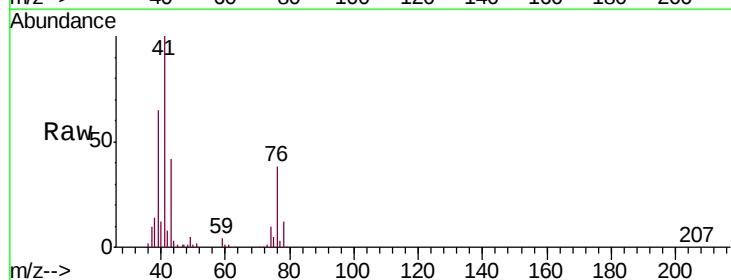
Tgt Ion: 41 Resp: 86199

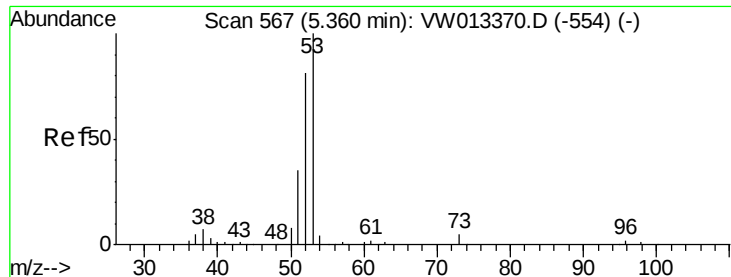
Ion Ratio Lower Upper

41 100

39 63.1 51.0 76.4

76 35.9 28.4 42.6





#15

Acrylonitrile

Concen: 115.409 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

30464-67

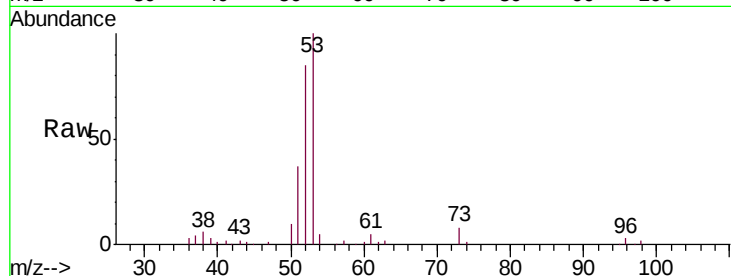
Tgt Ion: 53 Resp: 72524

Ion Ratio Lower Upper

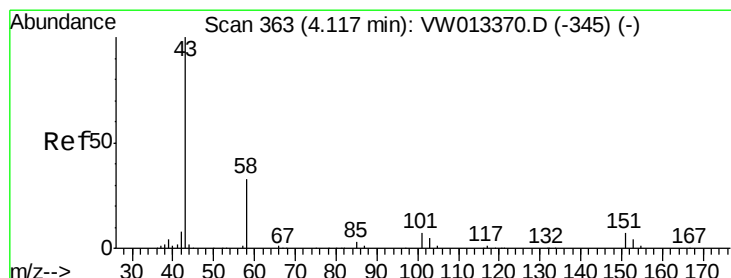
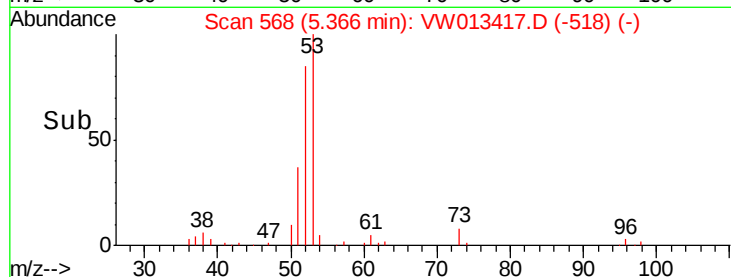
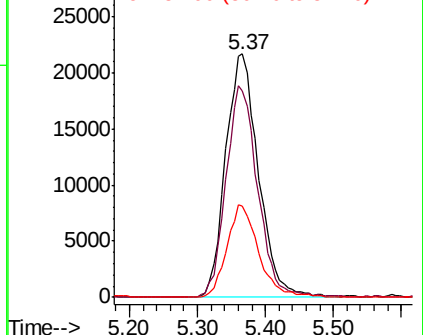
53 100

52 83.9 65.3 97.9

51 36.2 29.0 43.4



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: 94.330 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013417.D

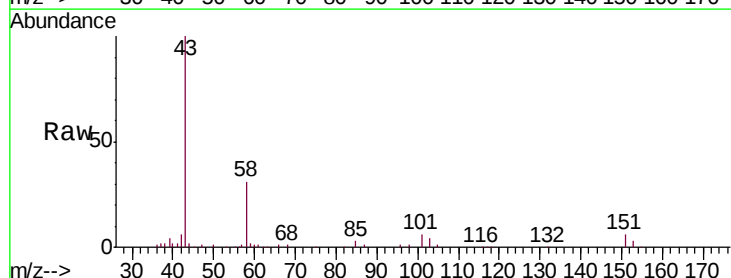
Acq: 03 Oct 2019 13:35

Tgt Ion: 43 Resp: 65979

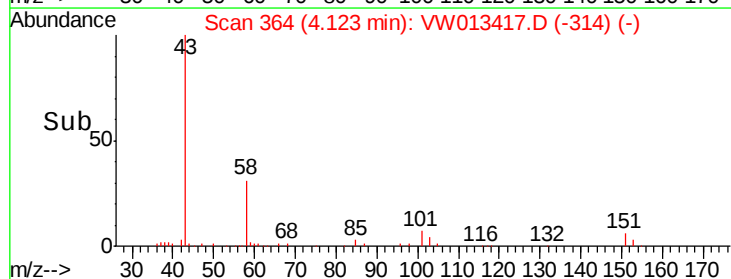
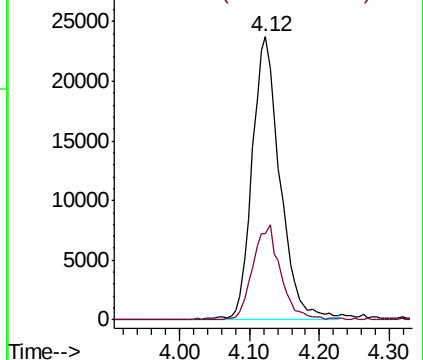
Ion Ratio Lower Upper

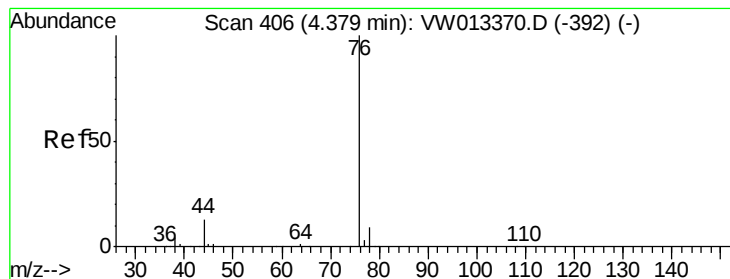
43 100

58 30.7 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: 19.849 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

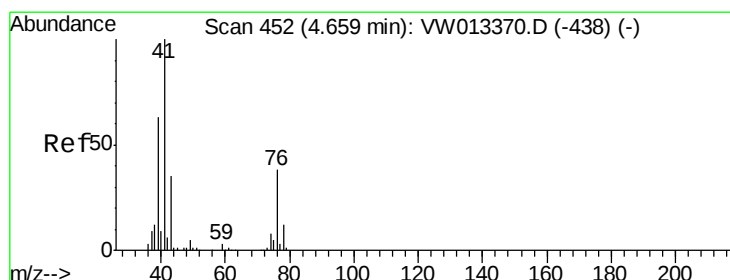
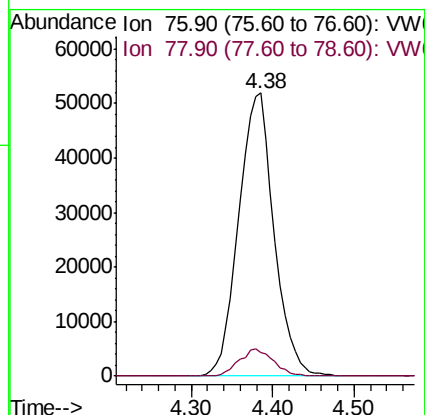
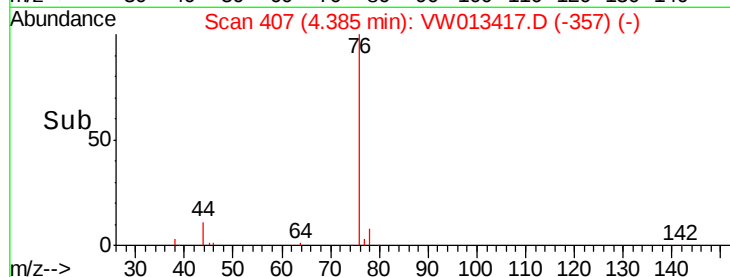
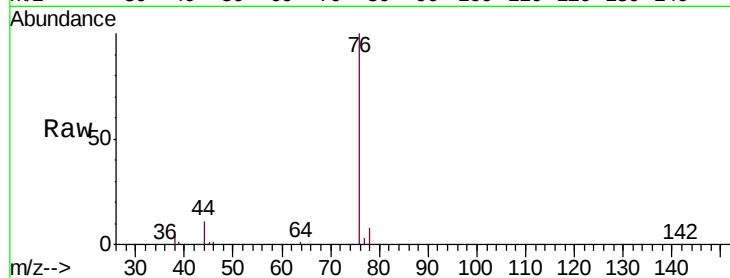
30464-67

Tgt Ion: 76 Resp: 155781

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.4



#18

Methyl Acetate

Concen: 23.090 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013417.D

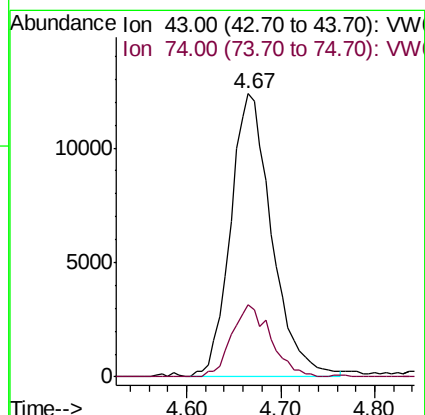
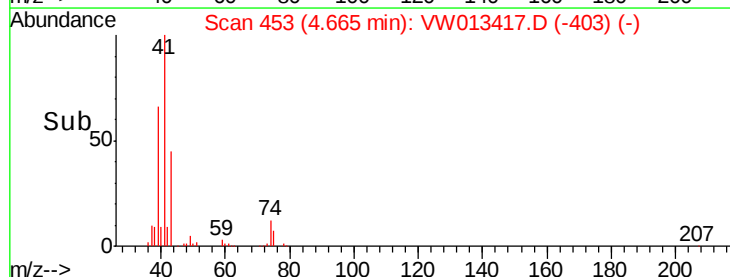
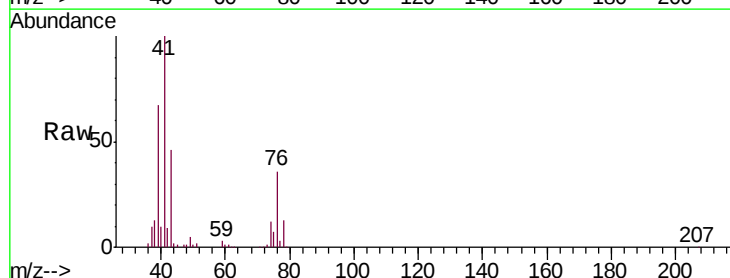
Acq: 03 Oct 2019 13:35

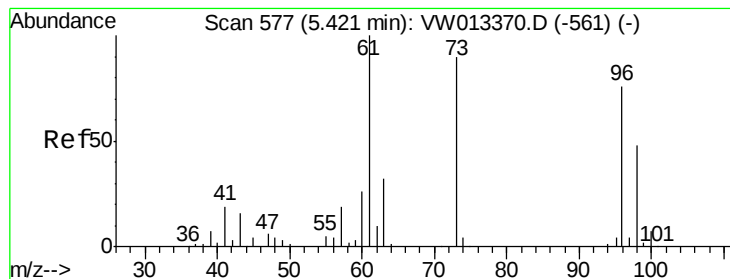
Tgt Ion: 43 Resp: 37801

Ion Ratio Lower Upper

43 100

74 24.1 19.3 28.9





#19

Methyl tert-butyl Ether

Concen: 21.314 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

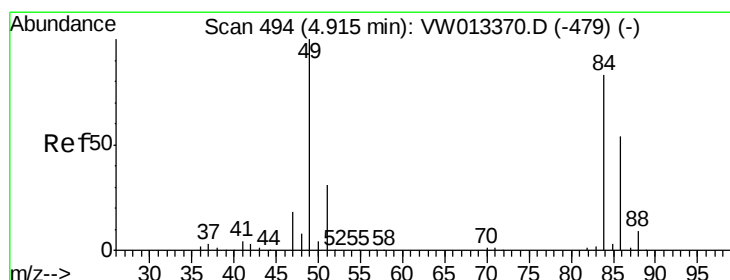
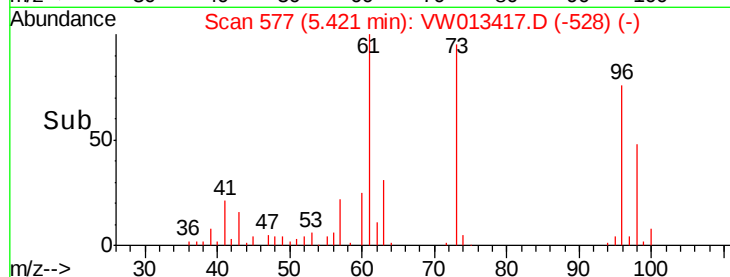
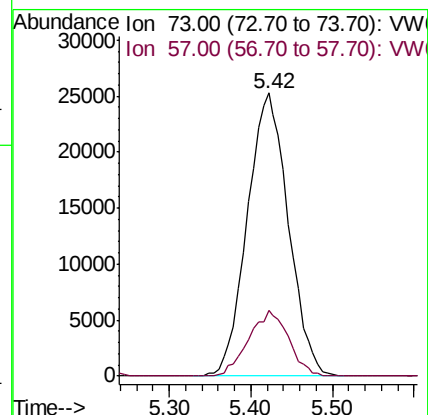
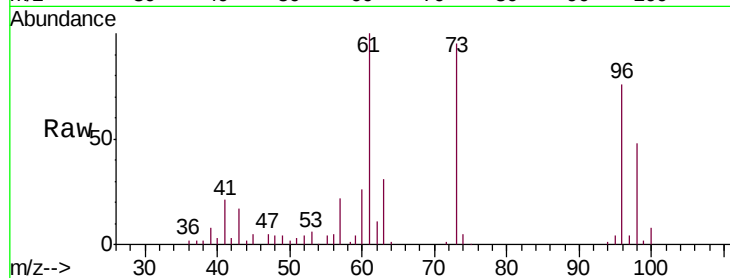
30464-67

Tgt Ion: 73 Resp: 88251

Ion Ratio Lower Upper

73 100

57 23.4 17.6 26.4



#20

Methylene Chloride

Concen: 21.627 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Tgt Ion: 84 Resp: 66117

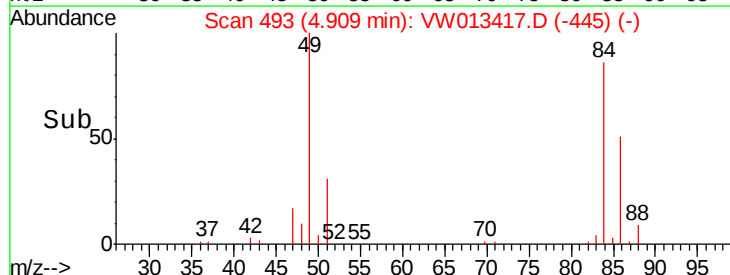
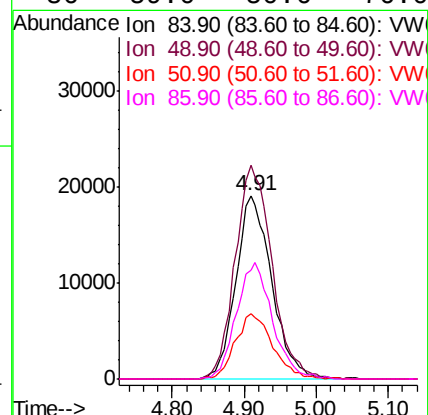
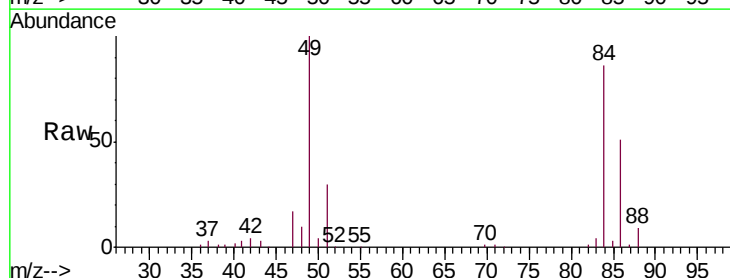
Ion Ratio Lower Upper

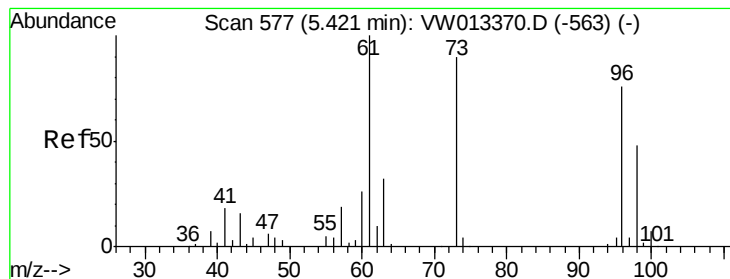
84 100

49 116.5 97.6 146.4

51 35.4 30.2 45.2

86 59.0 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.012 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

30464-67

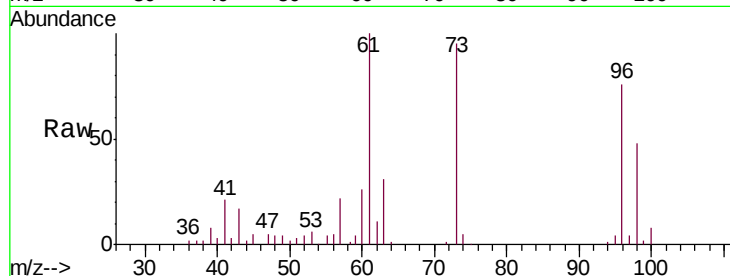
Tgt Ion: 96 Resp: 59956

Ion Ratio Lower Upper

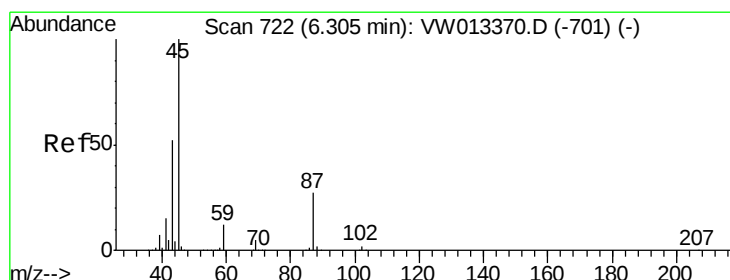
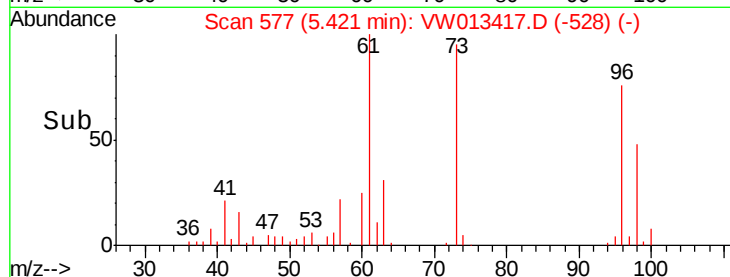
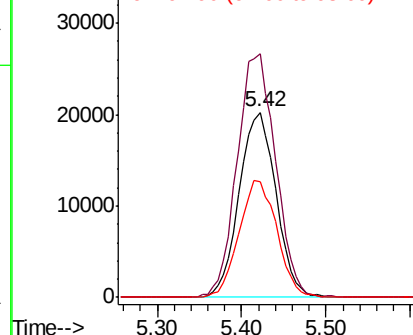
96 100

61 131.6 106.6 159.8

98 62.8 49.8 74.8



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



#22

Diisopropyl ether

Concen: 20.140 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Tgt Ion: 45 Resp: 161869

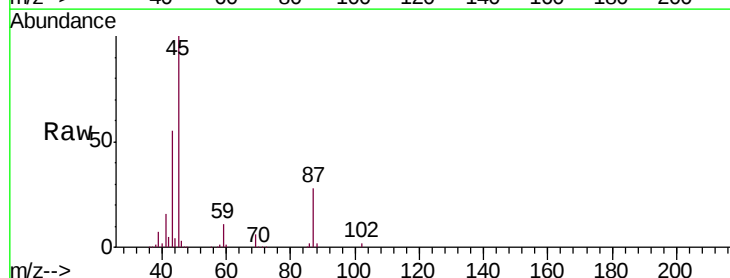
Ion Ratio Lower Upper

45 100

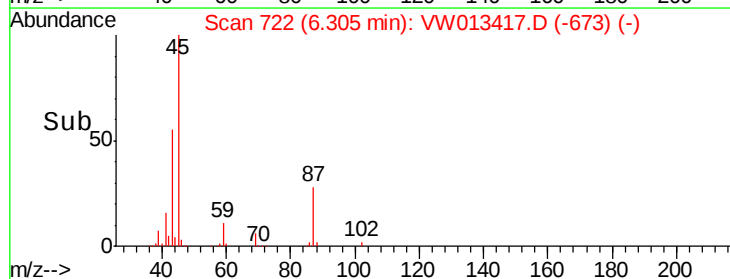
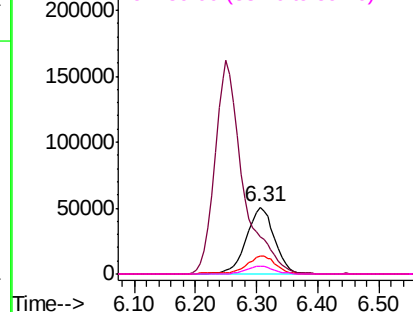
43 54.3 42.4 63.6

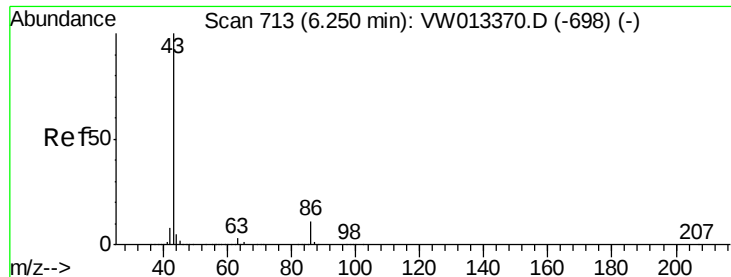
87 27.9 20.4 30.6

59 10.6 8.8 13.2



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: 107.864 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

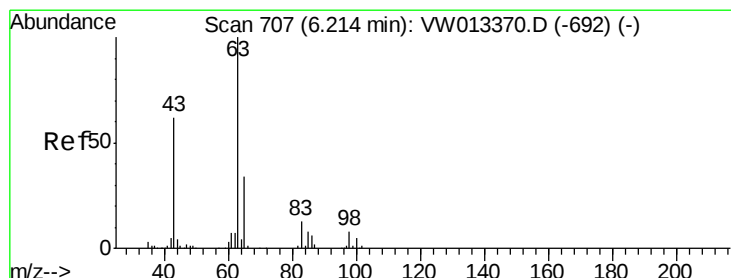
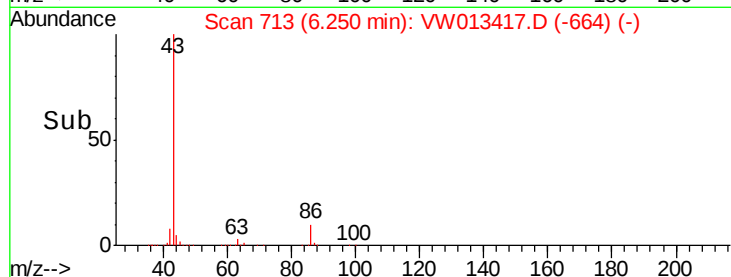
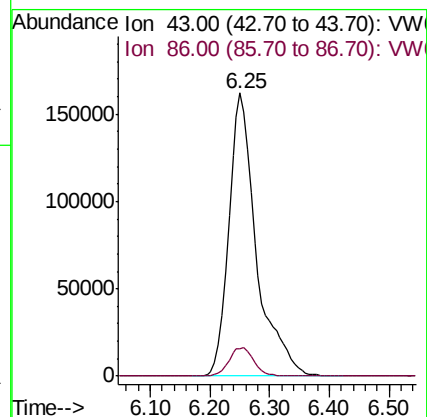
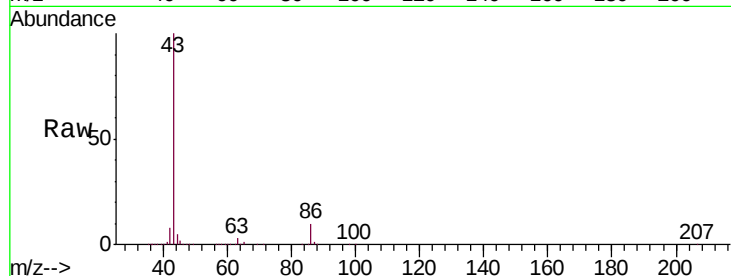
30464-67

Tgt Ion: 43 Resp: 520190

Ion Ratio Lower Upper

43 100

86 9.8 8.3 12.5



#24

1,1-Dichloroethane

Concen: 20.202 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

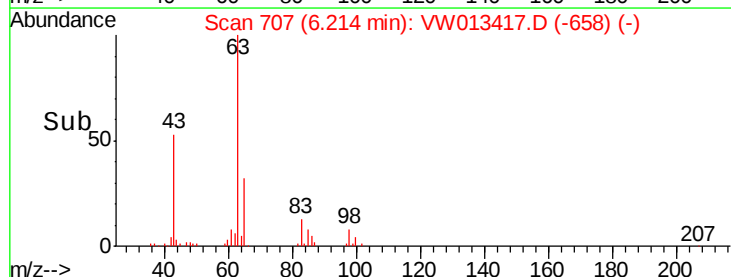
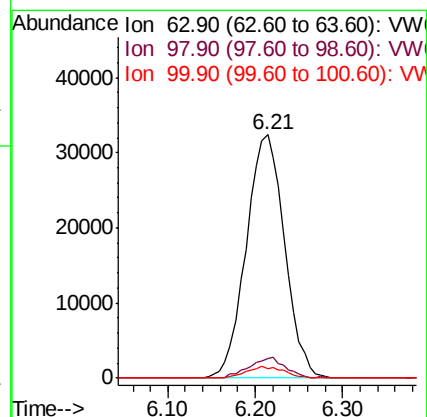
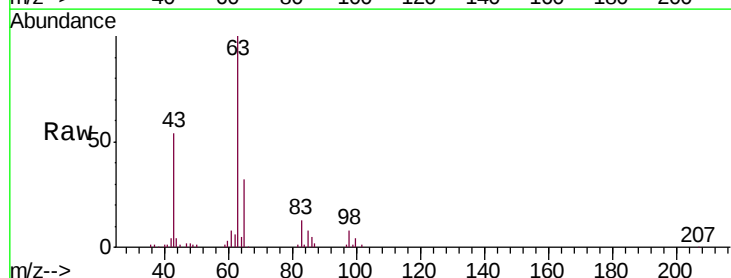
Tgt Ion: 63 Resp: 98898

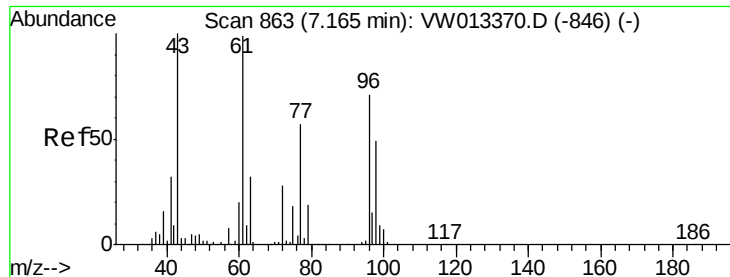
Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.5

100 4.1 2.4 7.1

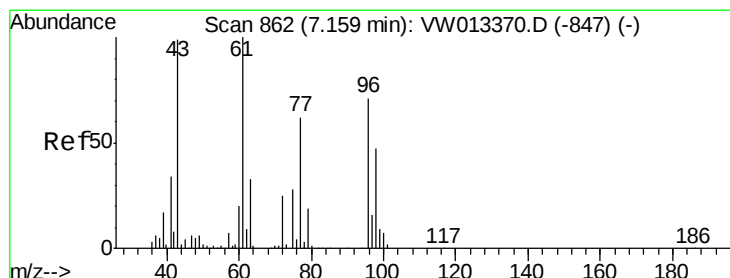
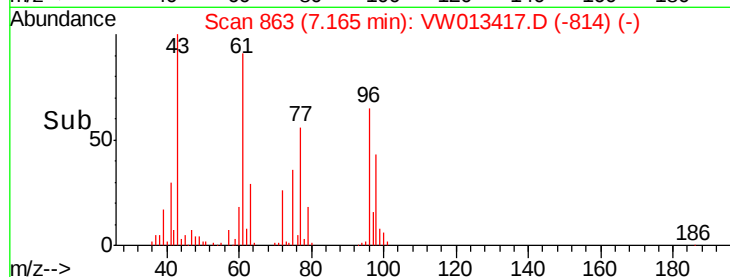
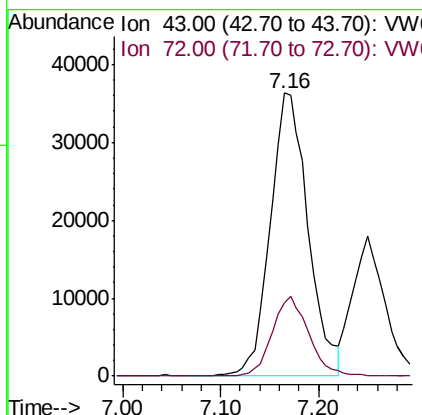
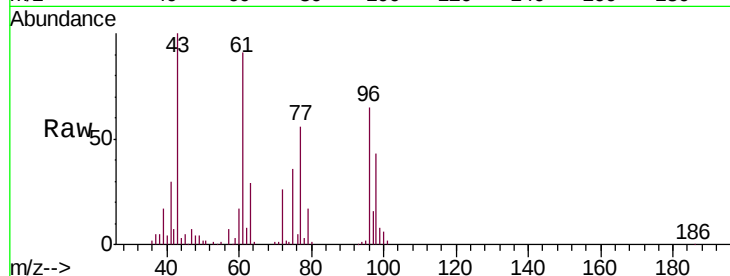




#25
2-Butanone
Concen: 109.805 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

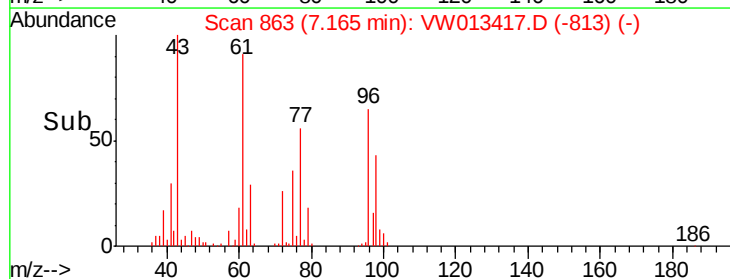
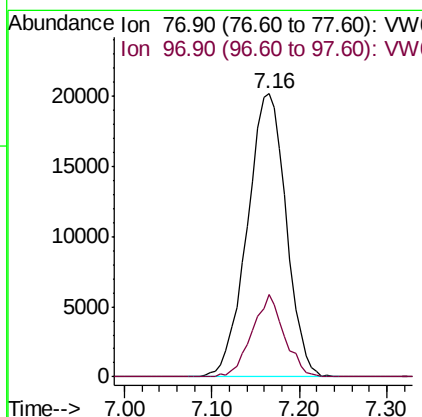
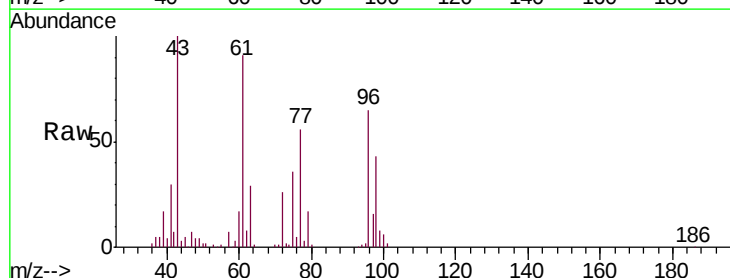
Instrument :
MSVOA_W
ClientSampled :
30464-67

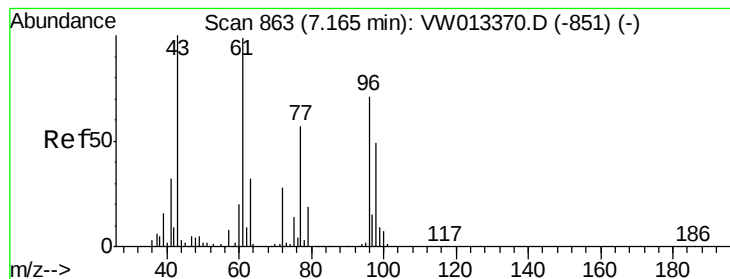
Tgt Ion: 43 Resp: 98276
Ion Ratio Lower Upper
43 100
72 26.1 19.4 29.0



#26
2,2-Dichloropropane
Concen: 20.999 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion: 77 Resp: 62203
Ion Ratio Lower Upper
77 100
97 24.2 11.8 35.4



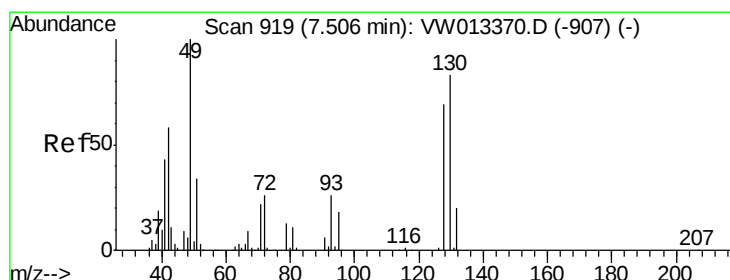
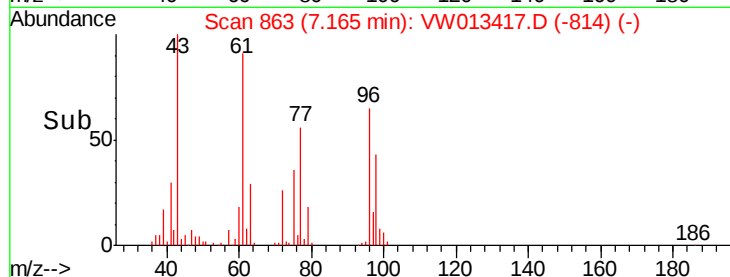
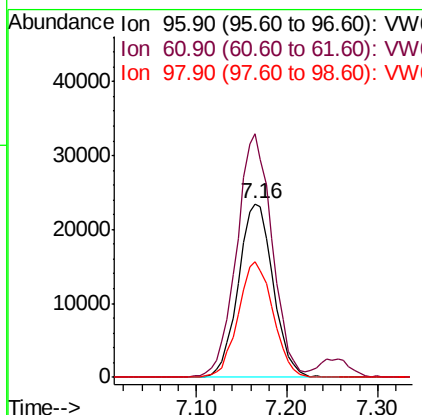
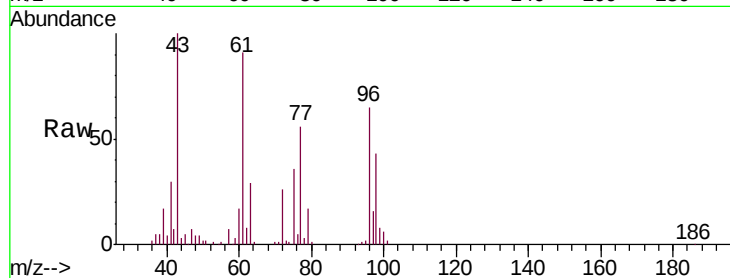


#27

cis-1,2-Dichloroethene
 Concen: 19.909 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67

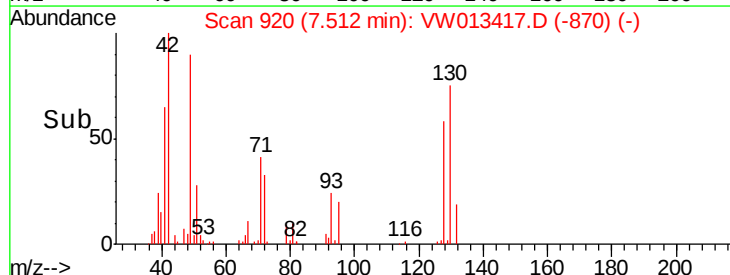
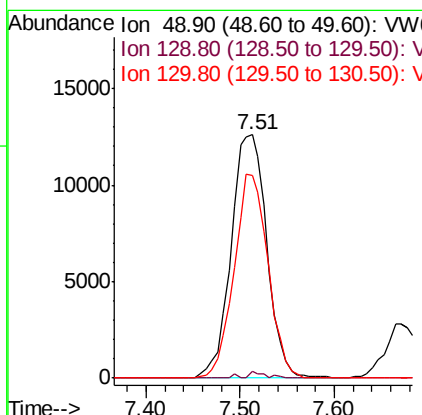
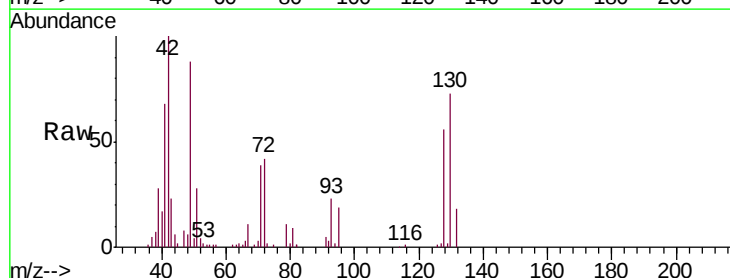
Tgt Ion: 96 Resp: 62433
 Ion Ratio Lower Upper
 96 100
 61 143.0 0.0 282.4
 98 66.7 0.0 128.2

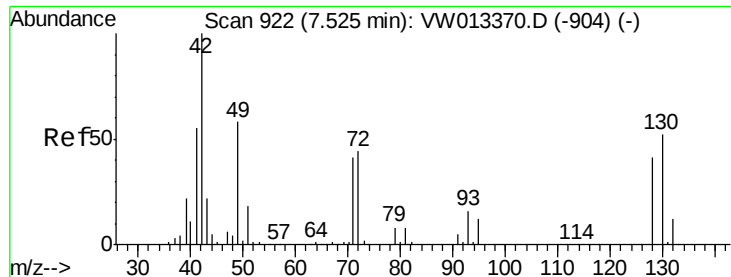


#28

Bromochloromethane
 Concen: 18.784 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion: 49 Resp: 33247
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 1.0#
 130 79.7 63.4 95.2

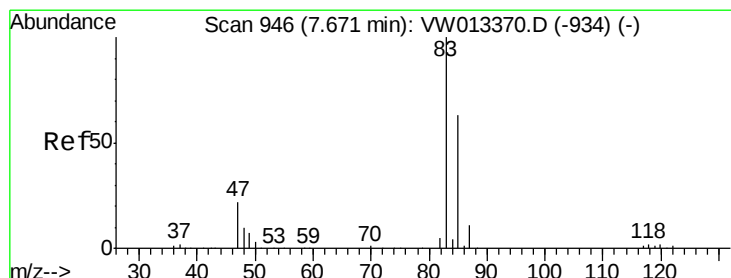
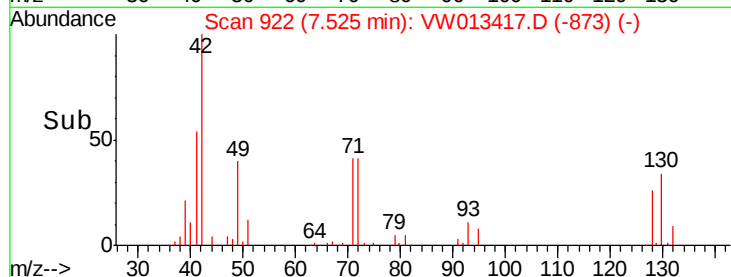
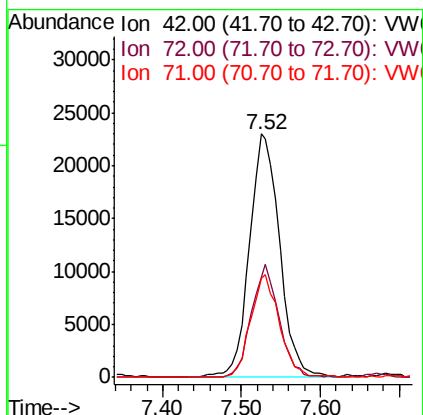
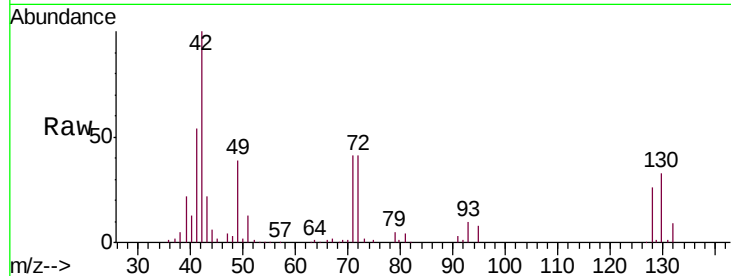




#29
Tetrahydrofuran
Concen: 122.867 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

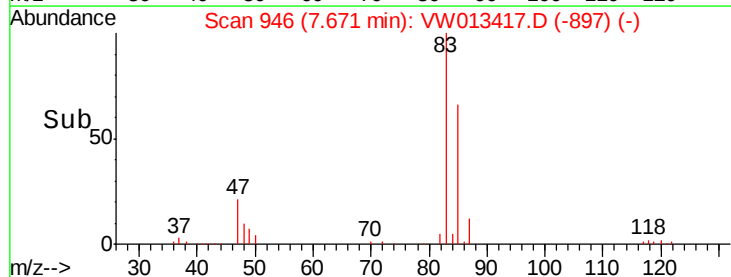
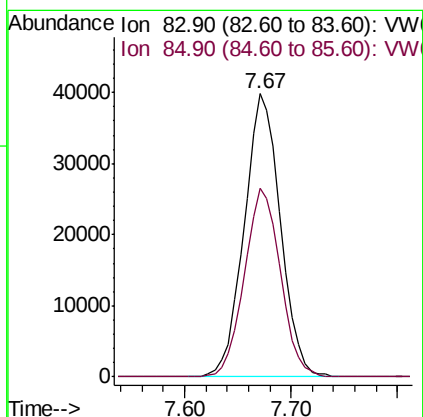
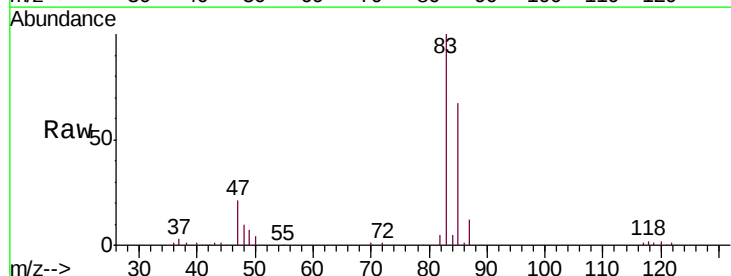
Instrument :
MSVOA_W
ClientSampleId :
30464-67

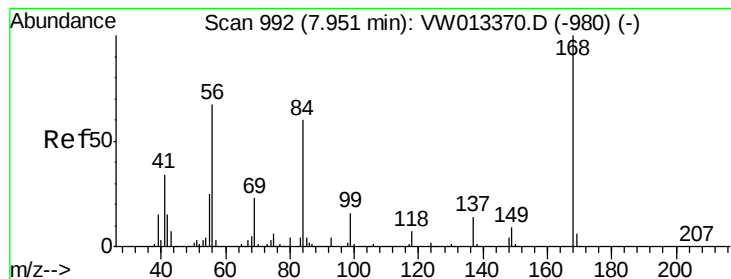
Tgt Ion: 42 Resp: 61291
Ion Ratio Lower Upper
42 100
72 41.8 33.9 50.9
71 40.3 31.9 47.9



#30
Chloroform
Concen: 19.802 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion: 83 Resp: 95054
Ion Ratio Lower Upper
83 100
85 66.6 52.3 78.5





#31

Cyclohexane

Concen: 20.279 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

30464-67

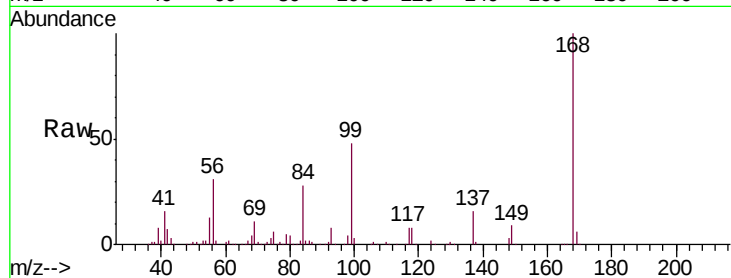
Tgt Ion: 56 Resp: 105871

Ion Ratio Lower Upper

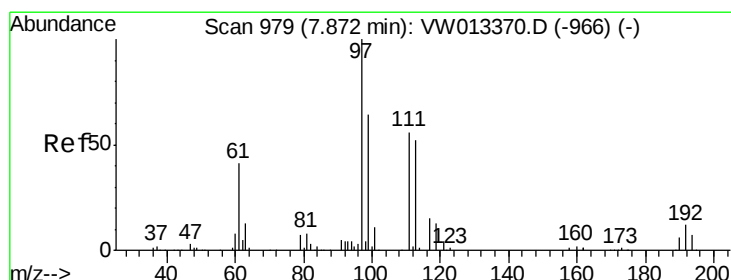
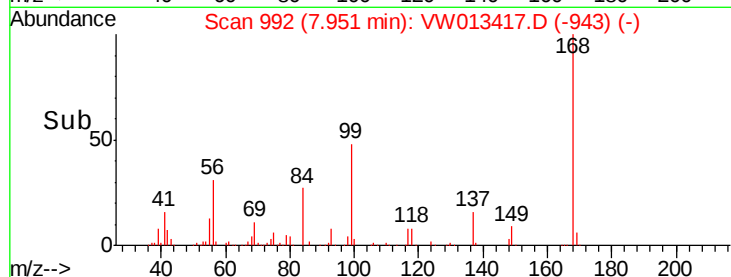
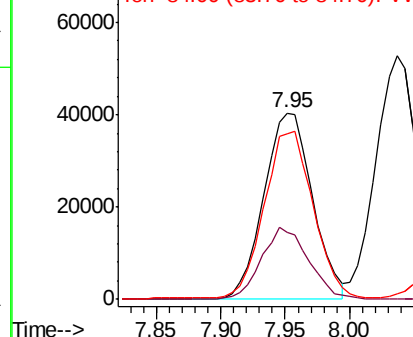
56 100

69 35.6 27.2 40.8

84 87.5 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: 21.123 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

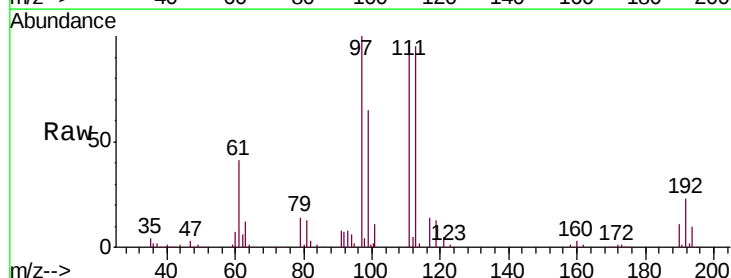
Tgt Ion: 97 Resp: 79435

Ion Ratio Lower Upper

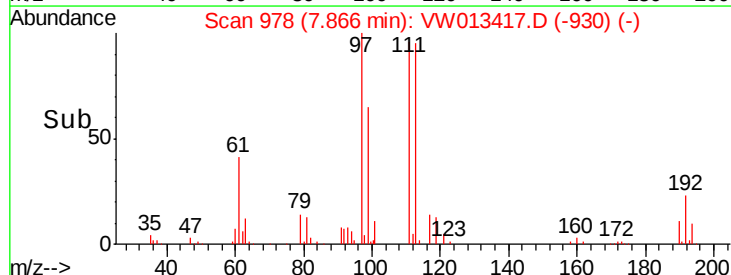
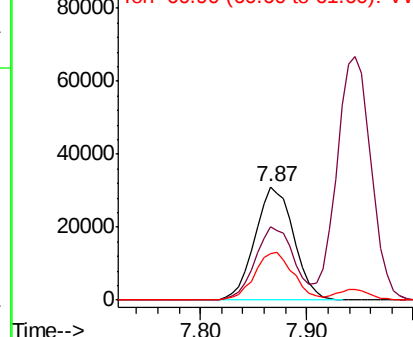
97 100

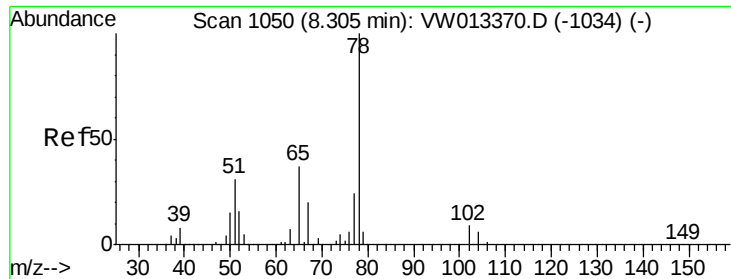
99 64.1 51.7 77.5

61 41.9 34.6 51.8



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

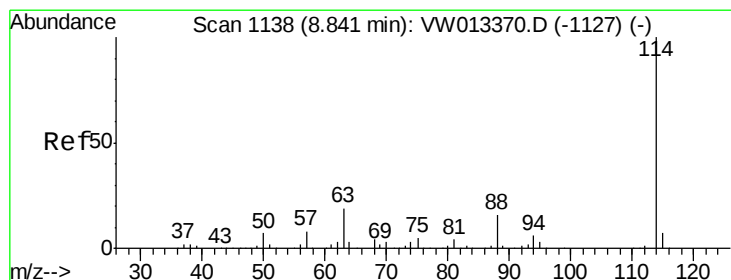
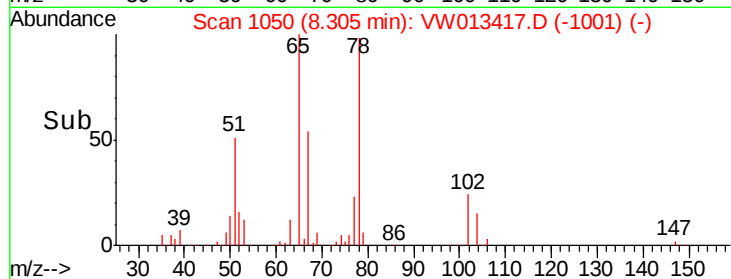
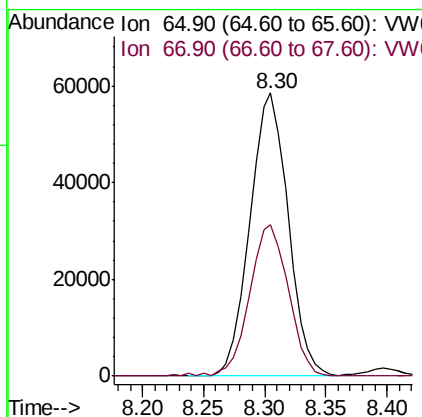
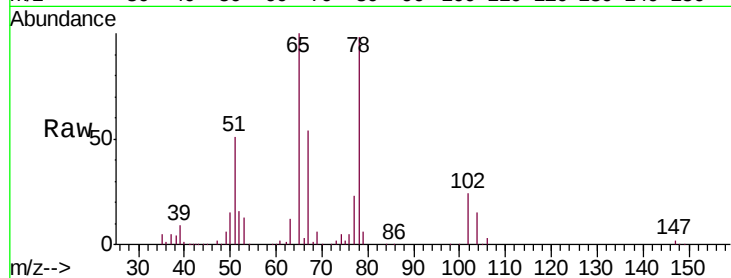




#33
 1,2-Dichloroethane-d4
 Concen: 55.755 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

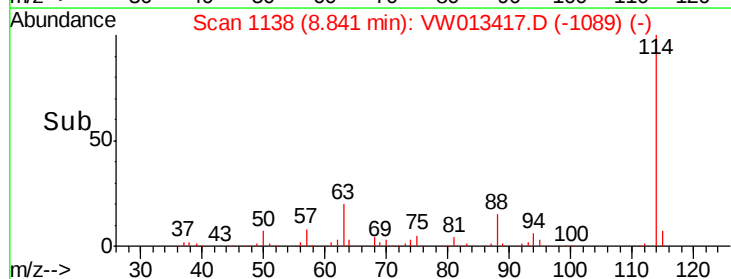
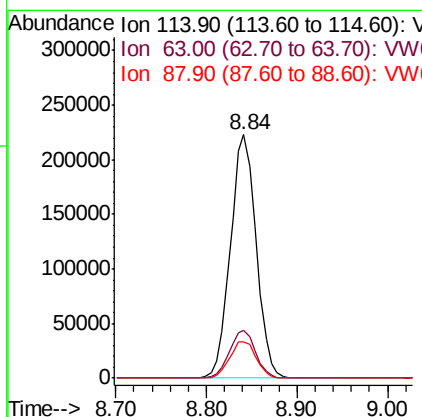
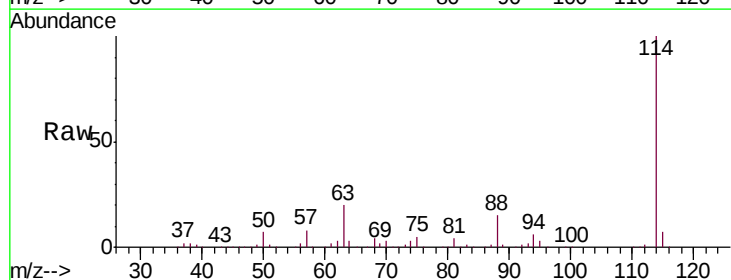
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67

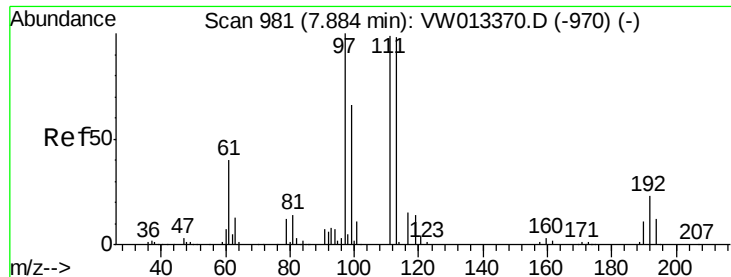
Tgt Ion: 65 Resp: 127229
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion: 114 Resp: 438925
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 14.9 0.0 32.0

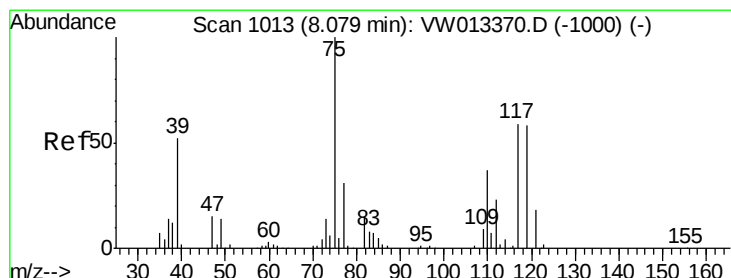
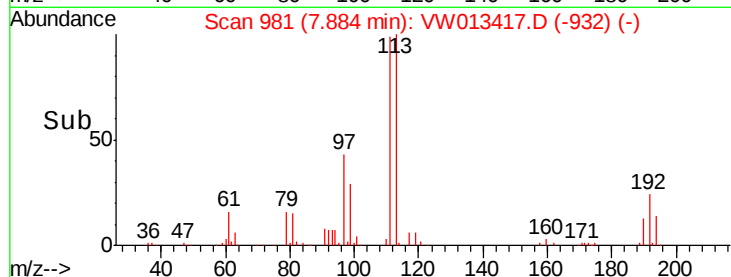
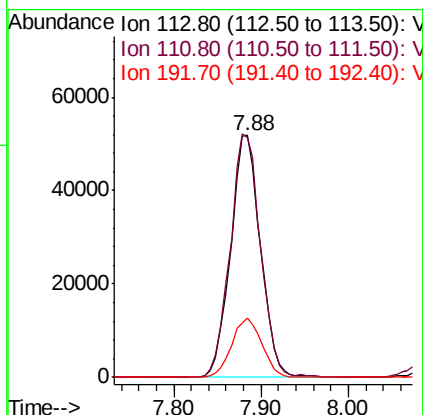
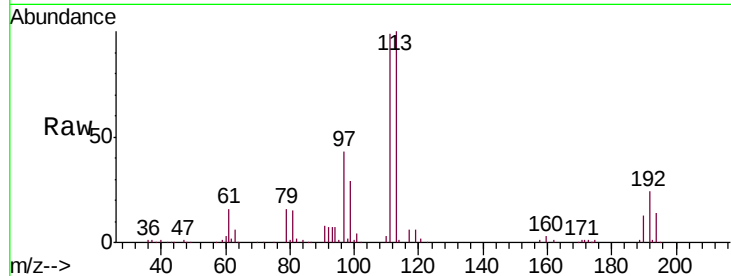




#35
 Dibromofluoromethane
 Concen: 53.375 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

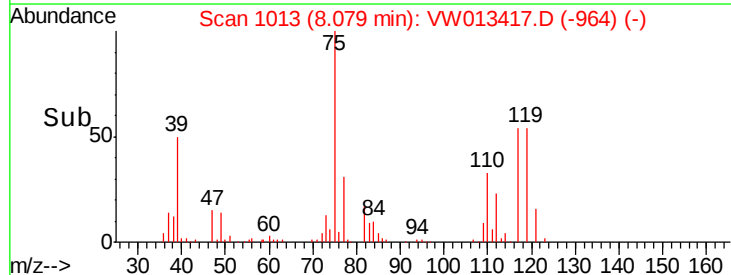
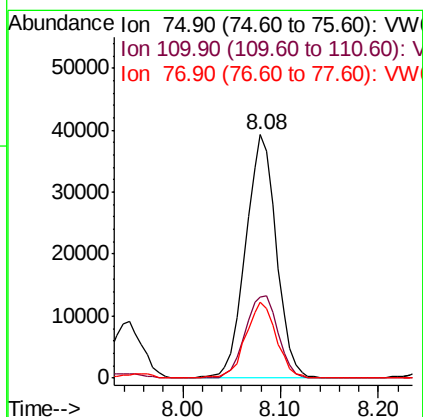
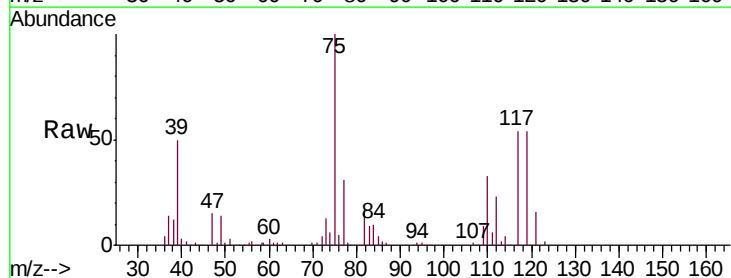
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67

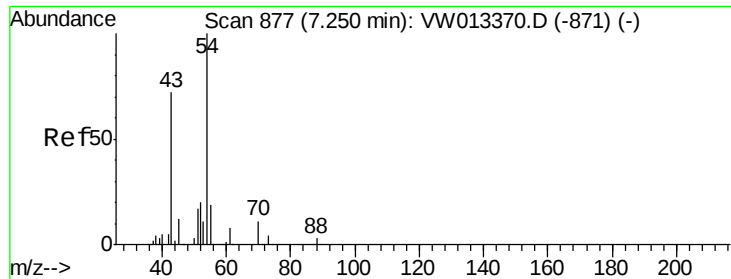
Tgt Ion: 113 Resp: 122931
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 24.8 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 21.010 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion: 75 Resp: 85652
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.1 54.3
 77 31.3 25.8 38.6

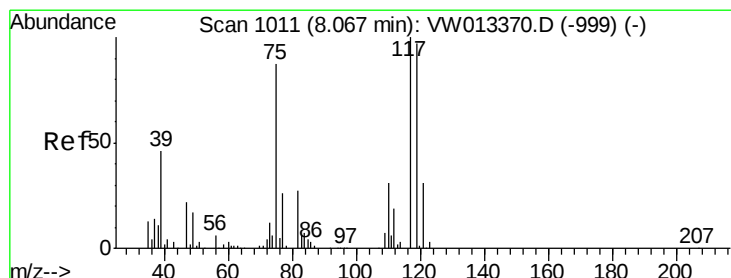
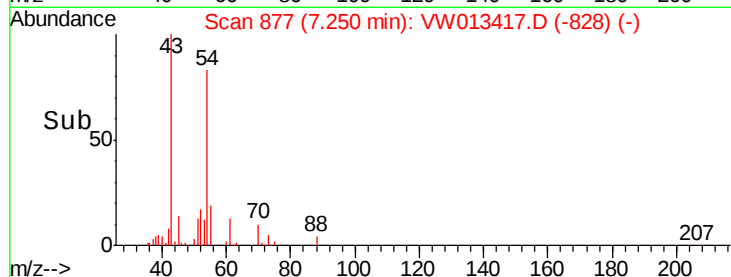
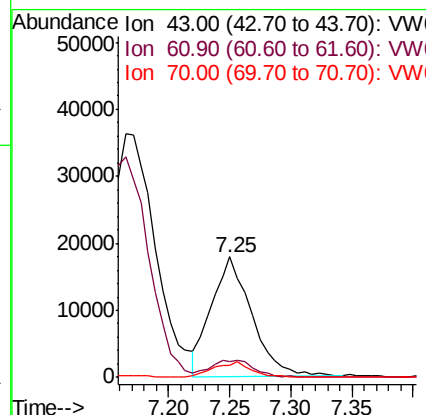
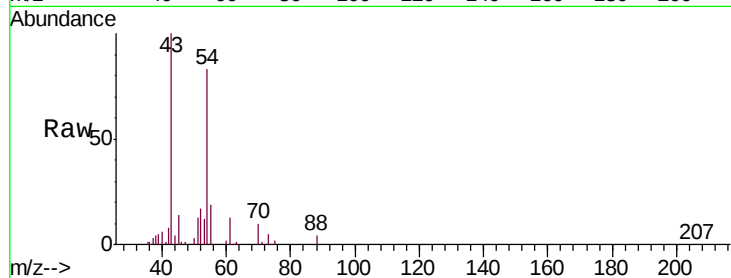




#37
 Ethyl Acetate
 Concen: 22.744 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

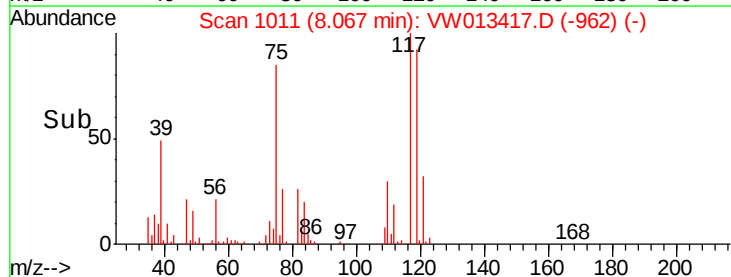
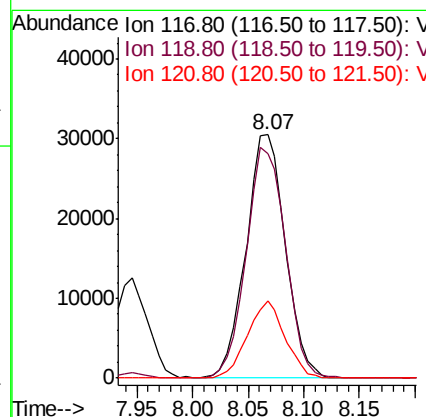
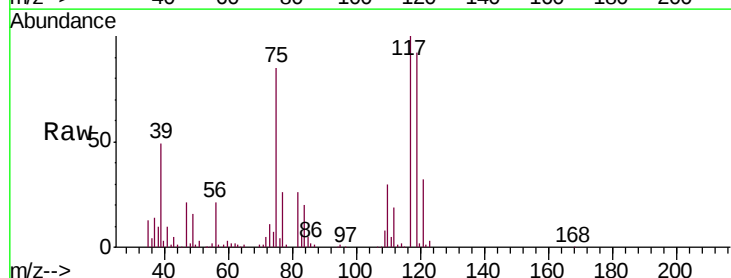
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67

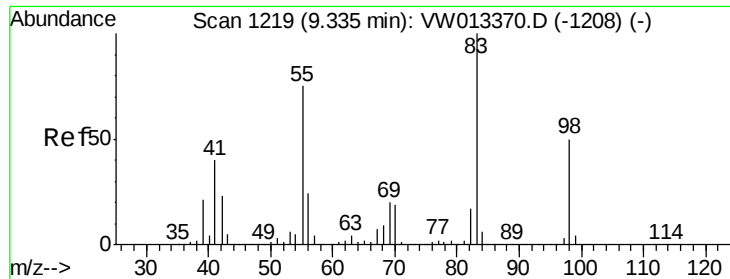
Tgt Ion: 43 Resp: 40775
 Ion Ratio Lower Upper
 43 100
 61 15.5 10.9 16.3
 70 12.4 8.2 12.2#



#38
 Carbon Tetrachloride
 Concen: 21.287 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion: 117 Resp: 75173
 Ion Ratio Lower Upper
 117 100
 119 92.1 73.5 110.3
 121 31.6 25.0 37.6

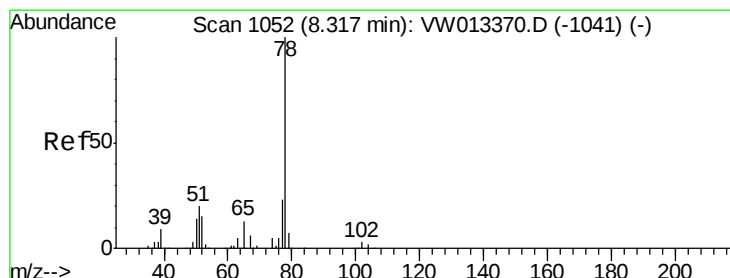
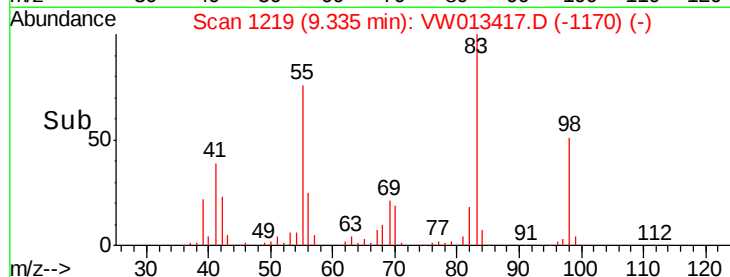
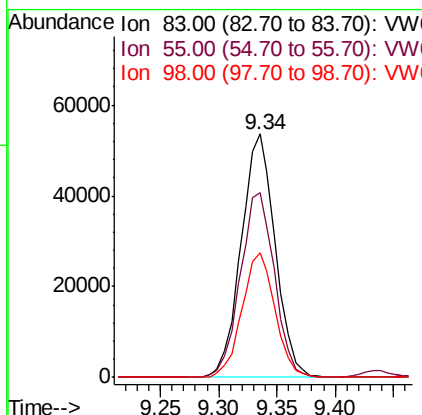
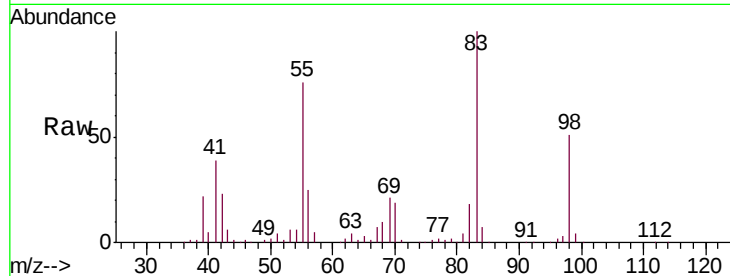




#39
Methylcyclohexane
Concen: 20.326 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

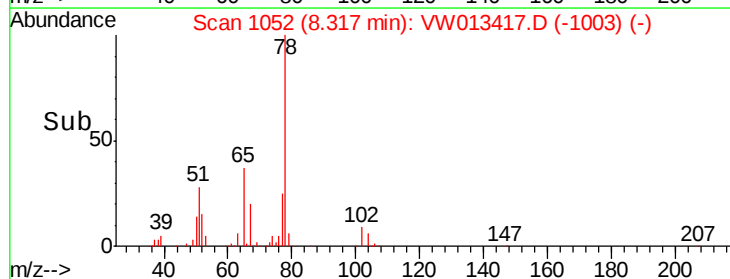
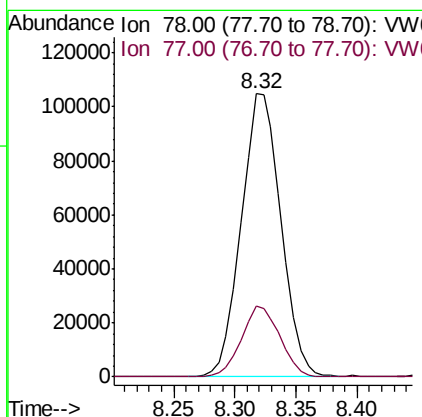
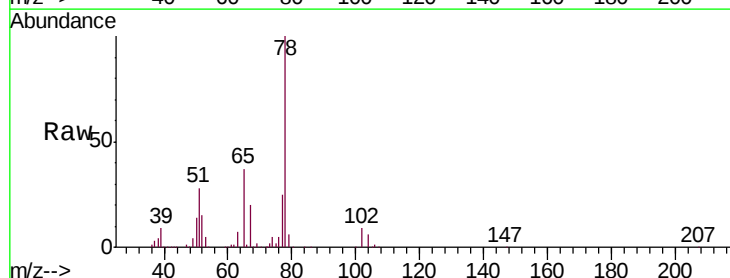
Instrument :
MSVOA_W
ClientSampleId :
30464-67

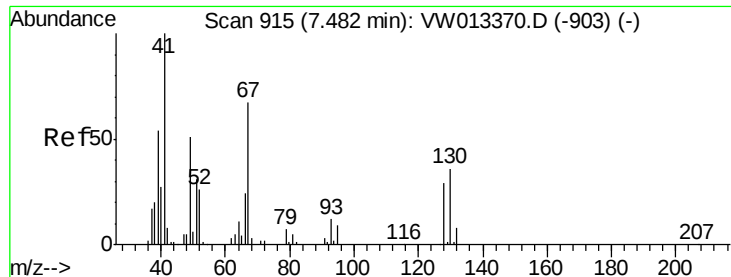
Tgt Ion: 83 Resp: 109129
Ion Ratio Lower Upper
83 100
55 76.0 60.4 90.6
98 51.0 40.0 60.0



#40
Benzene
Concen: 20.441 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion: 78 Resp: 235902
Ion Ratio Lower Upper
78 100
77 25.1 19.1 28.7

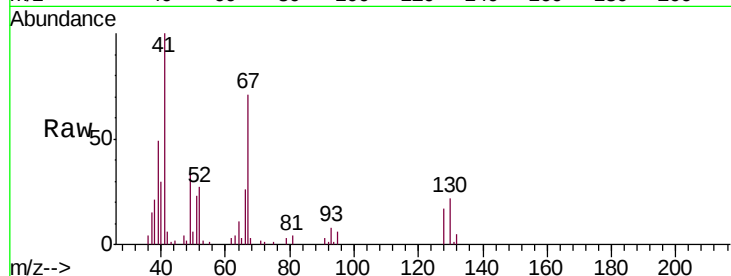




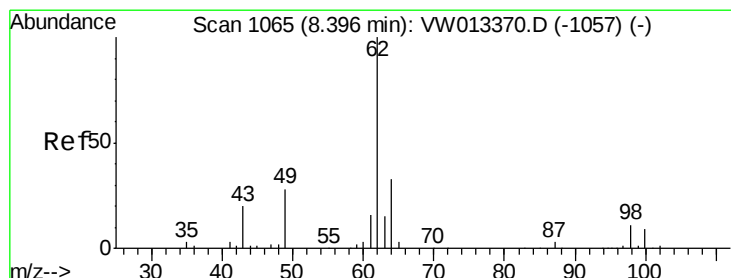
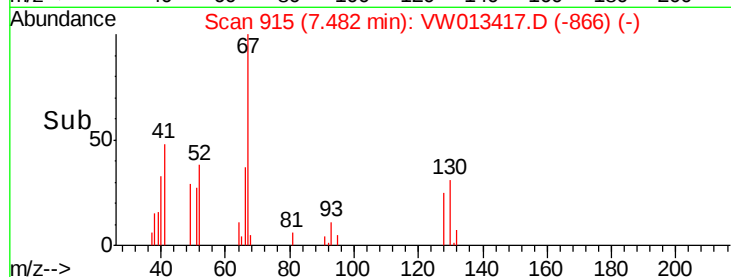
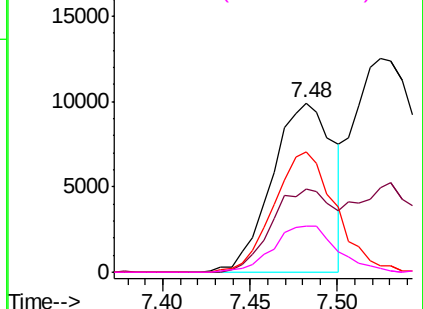
#41
Methacrylonitrile
Concen: 22.345 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Instrument :
MSVOA_W
ClientSampled :
30464-67

Tgt Ion:	41	Resp:	24241
Ion	Ratio	Lower	Upper
41	100		
39	49.5	45.9	68.9
67	72.0	54.5	81.7
52	28.8	22.5	33.7

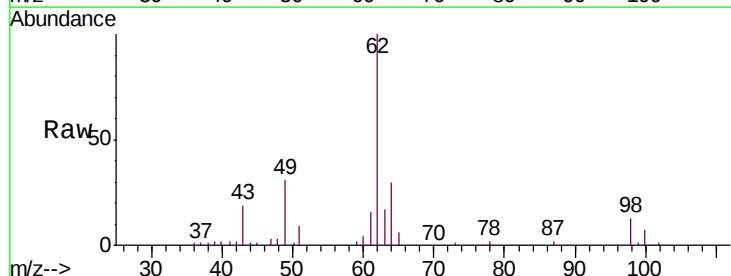


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

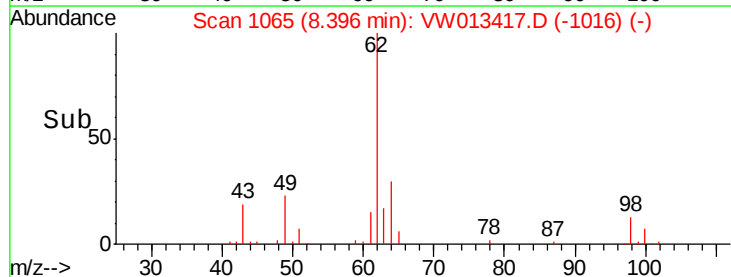
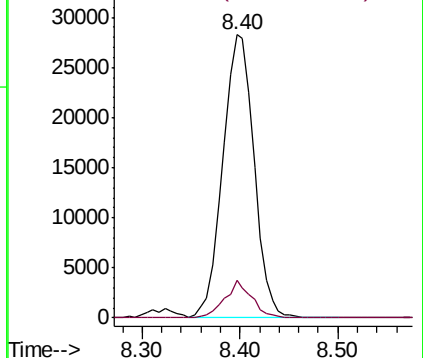


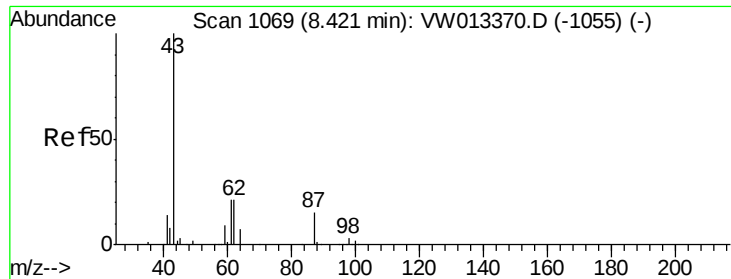
#42
1,2-Dichloroethane
Concen: 21.148 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion:	62	Resp:	62727
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW

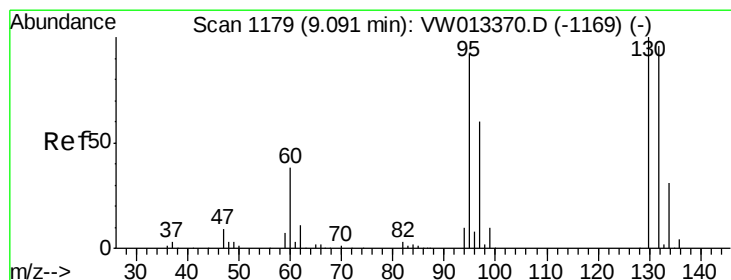
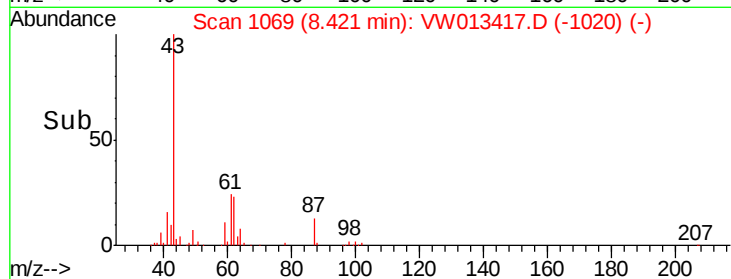
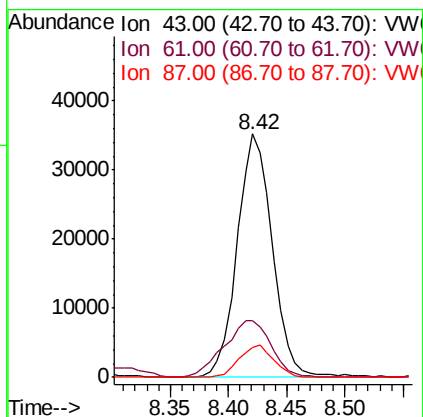
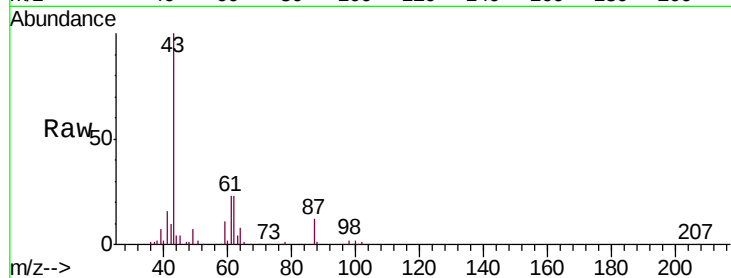




#43
Isopropyl Acetate
Concen: 21.877 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

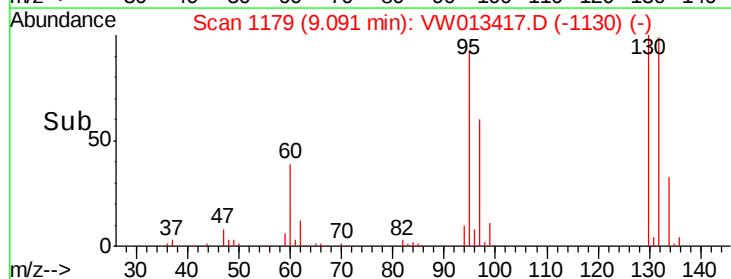
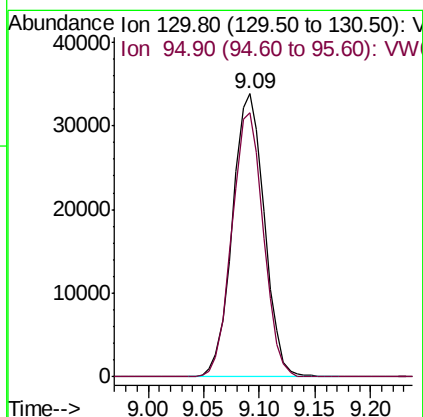
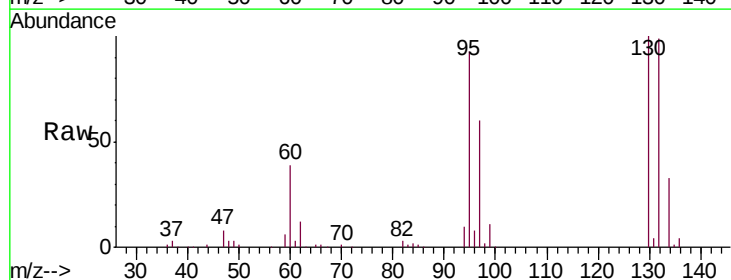
Instrument :
MSVOA_W
ClientSampleId :
30464-67

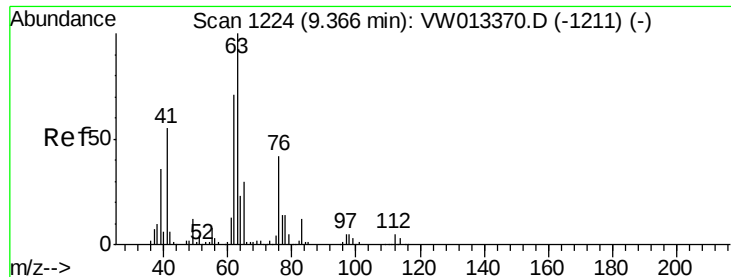
Tgt Ion: 43 Resp: 74084
Ion Ratio Lower Upper
43 100
61 31.4 25.5 38.3
87 13.2 11.0 16.4



#44
Trichloroethene
Concen: 20.701 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion: 130 Resp: 67276
Ion Ratio Lower Upper
130 100
95 93.2 0.0 188.0

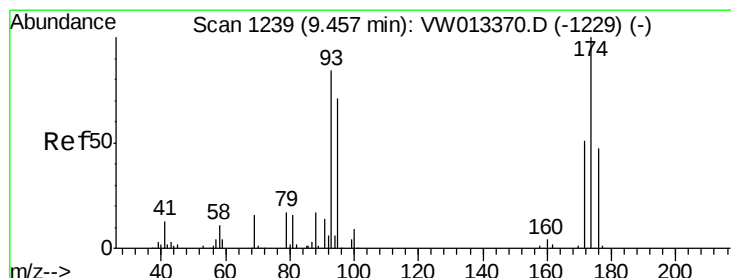
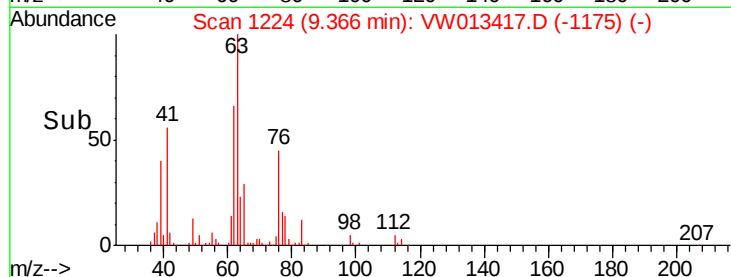
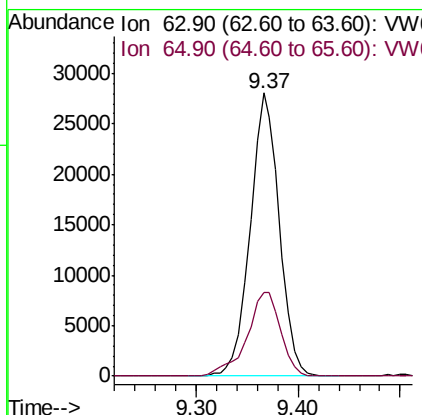
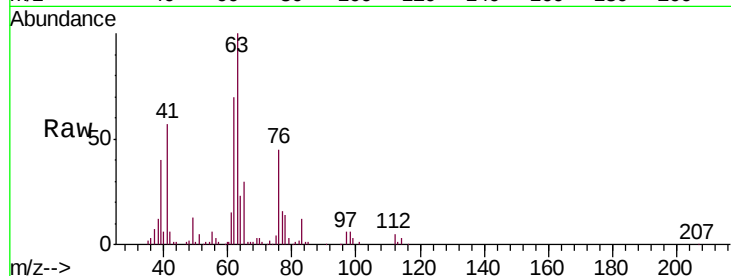




#45
 1,2-Dichloropropane
 Concen: 20.047 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

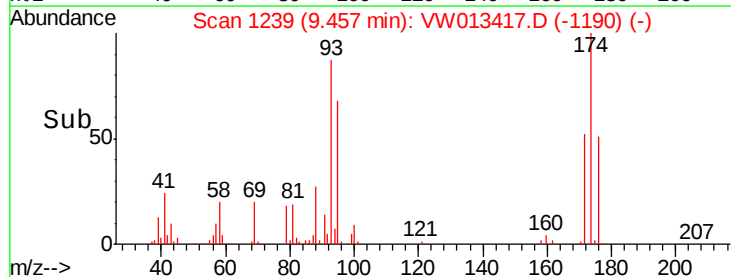
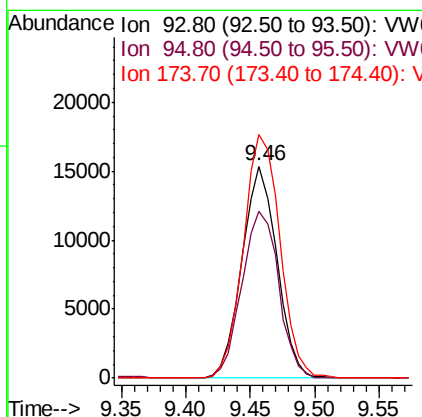
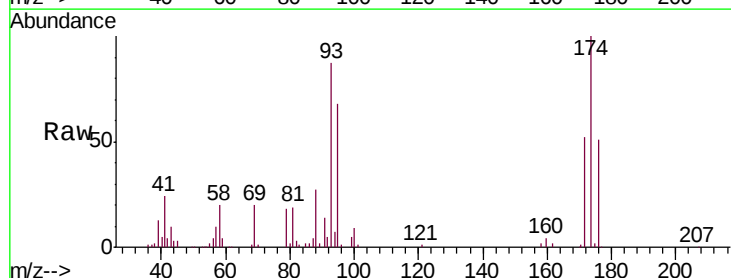
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67

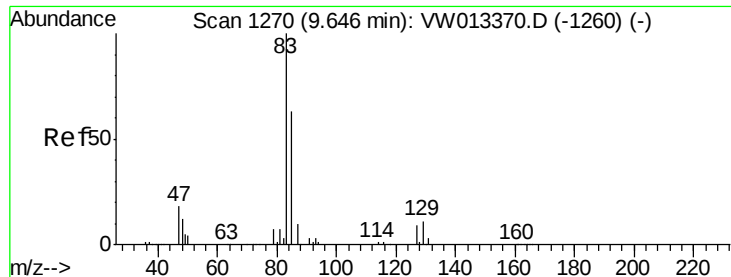
Tgt Ion: 63 Resp: 55546
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.3 37.9



#46
 Dibromomethane
 Concen: 20.932 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion: 93 Resp: 28889
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.4 99.6
 174 120.5 93.0 139.6

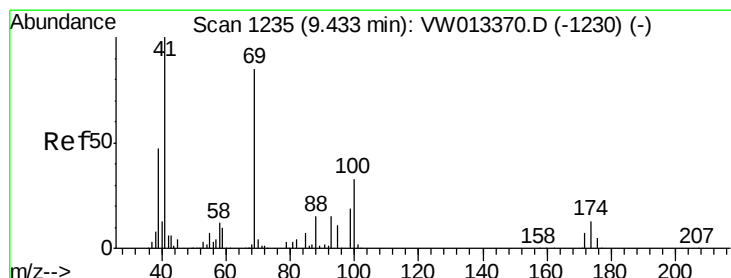
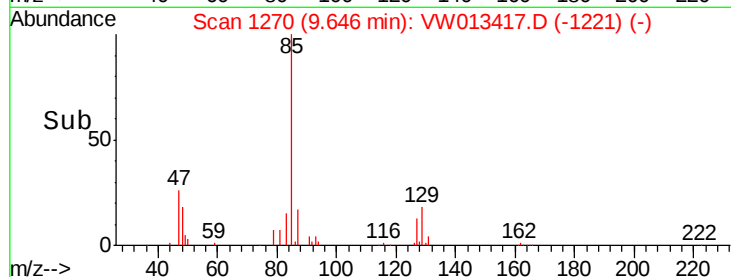
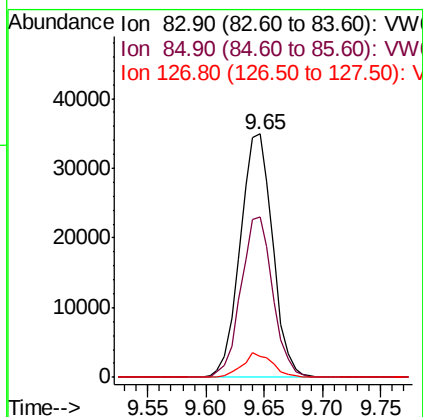
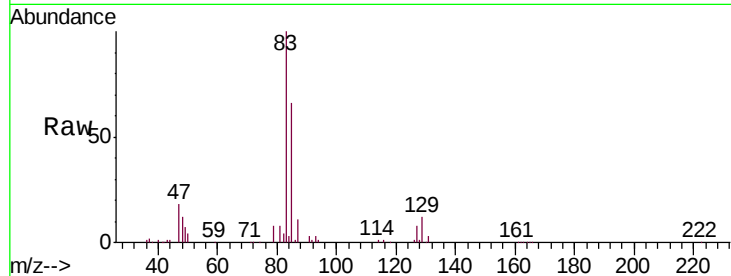




#47
 Bromodichloromethane
 Concen: 19.939 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

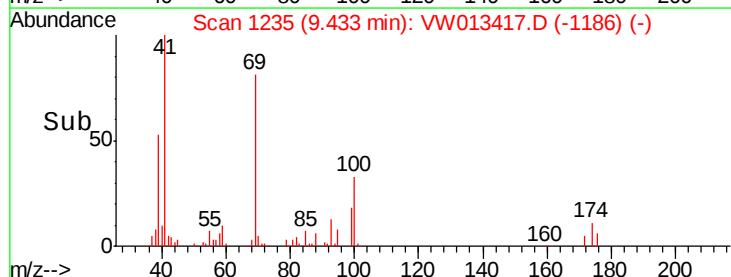
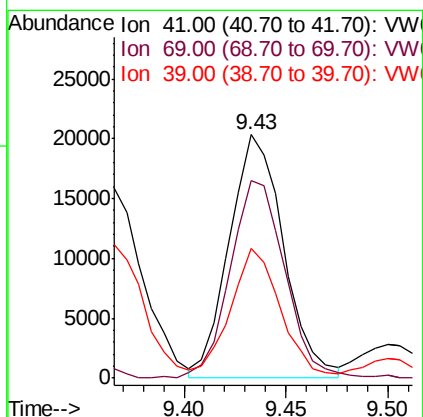
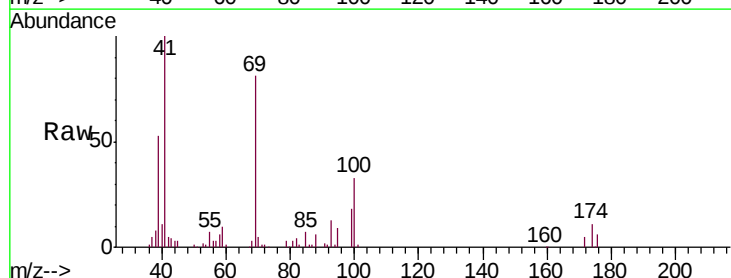
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67

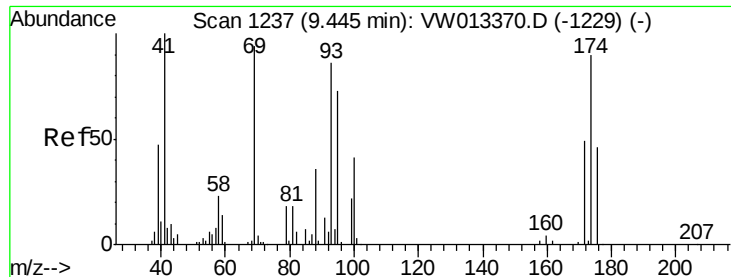
Tgt Ion: 83 Resp: 67743
 Ion Ratio Lower Upper
 83 100
 85 66.1 49.4 74.2
 127 8.5 6.5 9.7



#48
 Methyl methacrylate
 Concen: 23.174 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion: 41 Resp: 37706
 Ion Ratio Lower Upper
 41 100
 69 82.0 69.7 104.5
 39 45.5 41.1 61.7

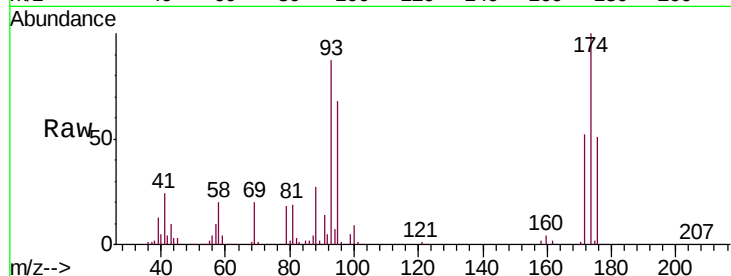




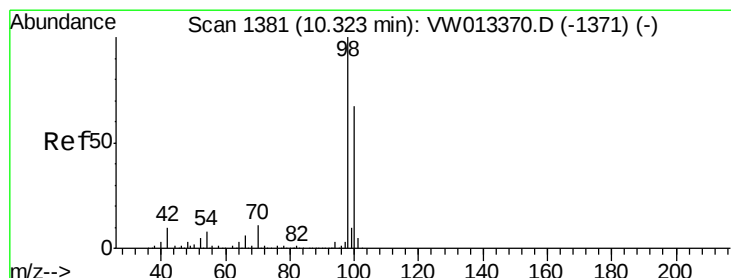
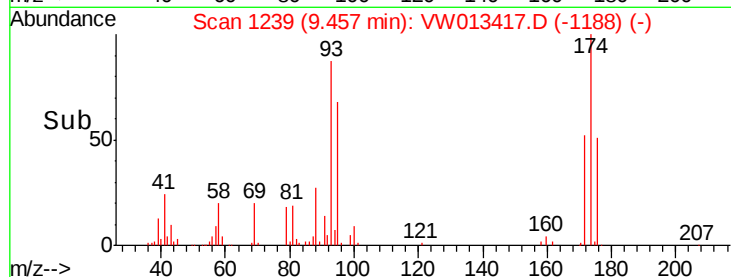
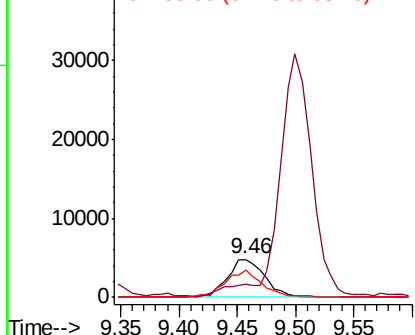
#49
1,4-Dioxane
Concen: 496.323 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
30464-67

Tgt Ion: 88 Resp: 10787
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 71.5 65.4 98.0

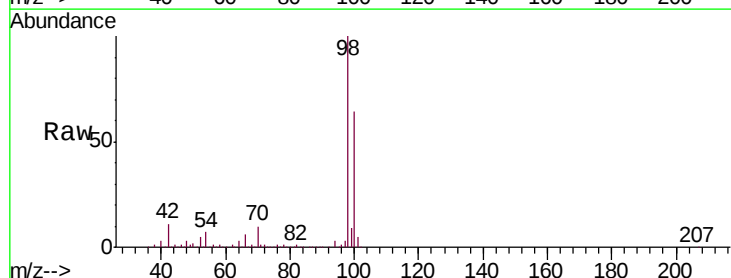


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

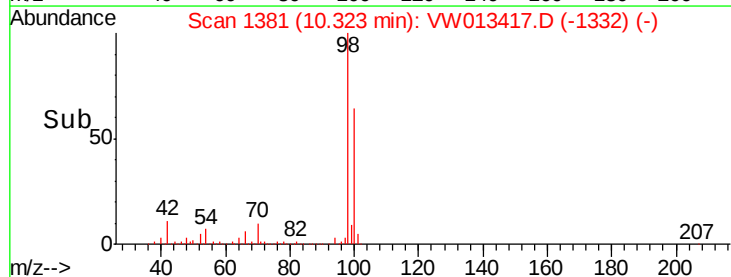
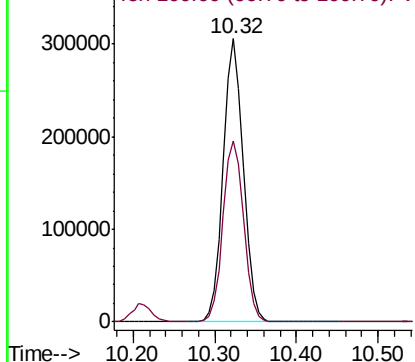


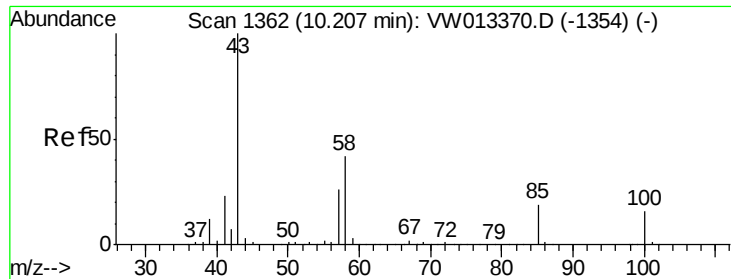
#50
Toluene-d8
Concen: 54.605 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion: 98 Resp: 521895
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3



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: 113.624 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

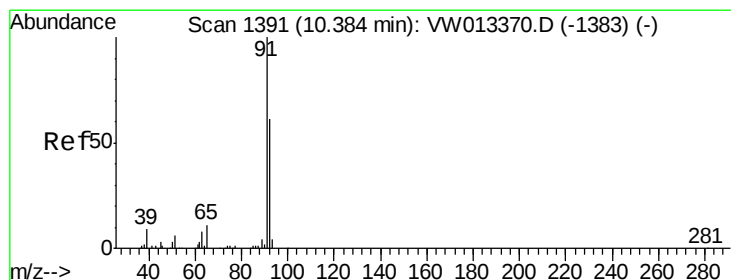
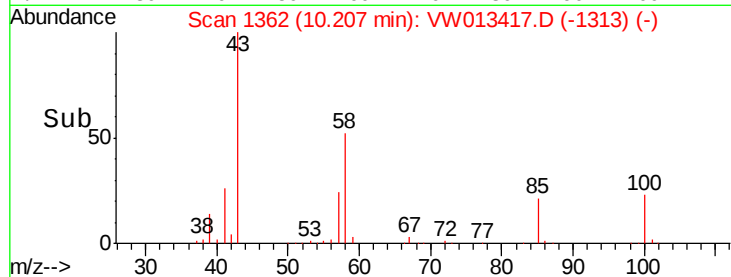
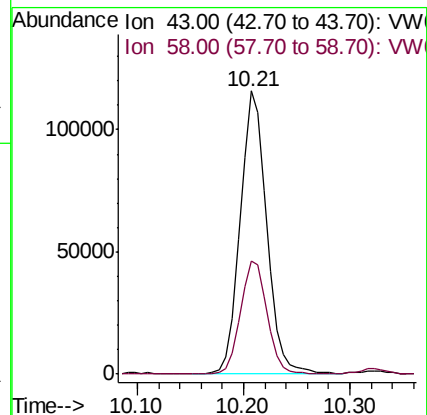
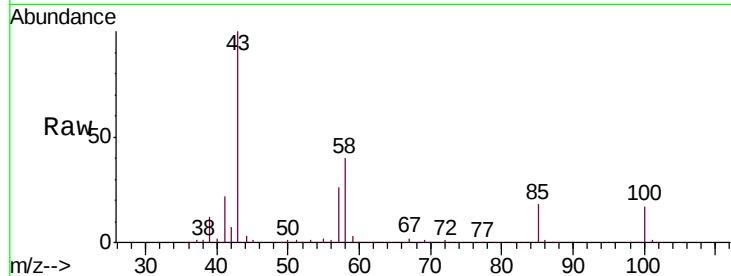
30464-67

Tgt Ion: 43 Resp: 202157

Ion Ratio Lower Upper

43 100

58 40.5 31.7 47.5



#52

Toluene

Concen: 20.194 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013417.D

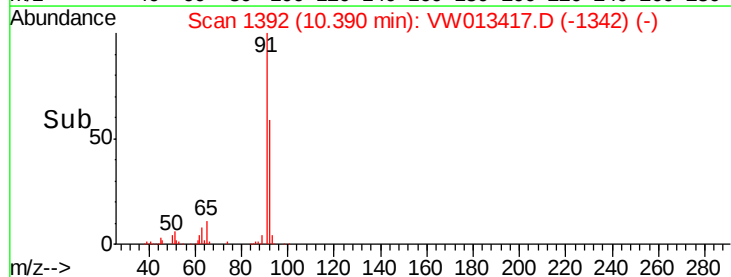
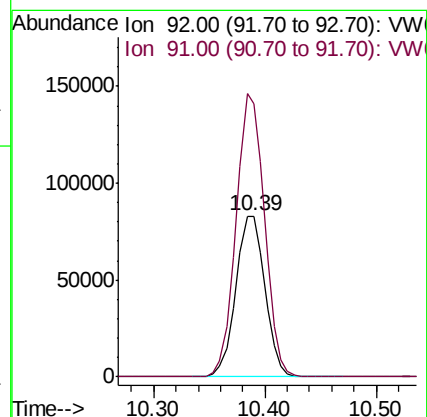
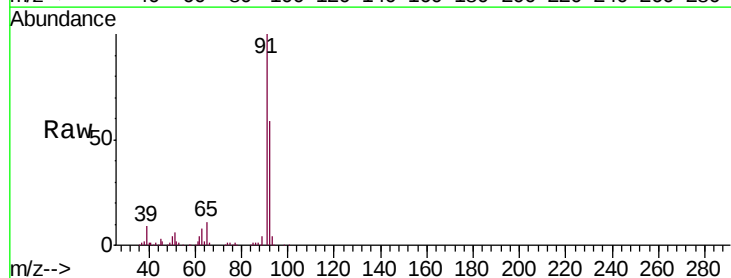
Acq: 03 Oct 2019 13:35

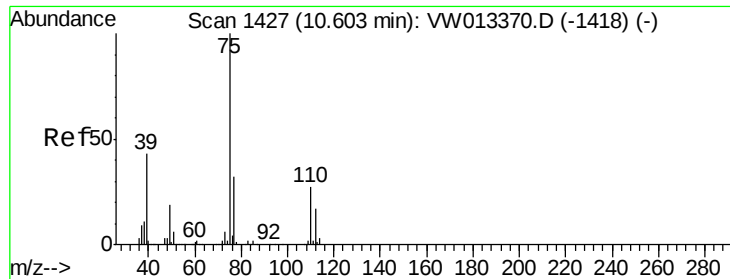
Tgt Ion: 92 Resp: 150319

Ion Ratio Lower Upper

92 100

91 171.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 20.023 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

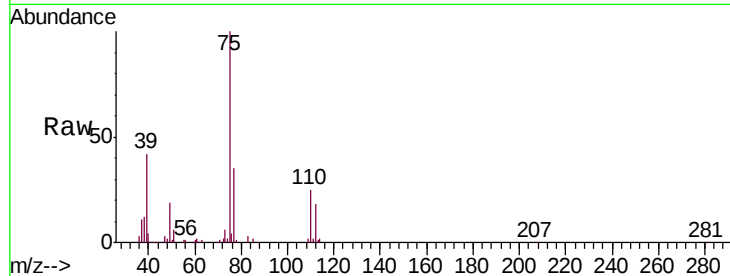
30464-67

Tgt Ion: 75 Resp: 70761

Ion Ratio Lower Upper

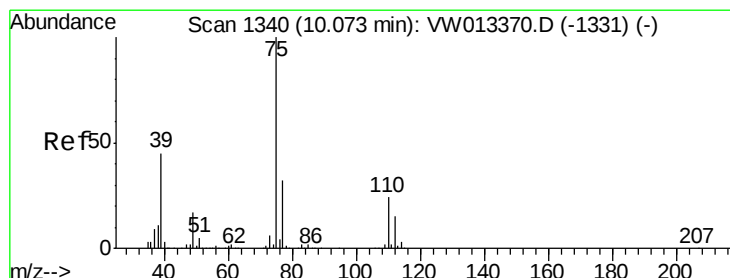
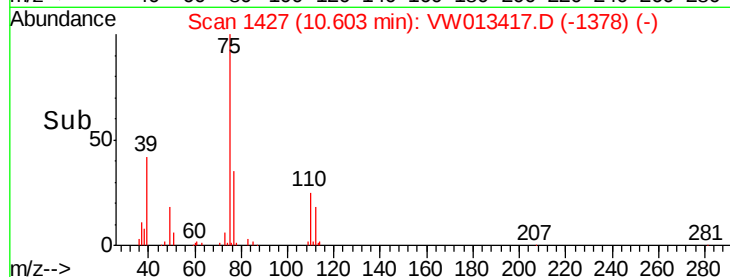
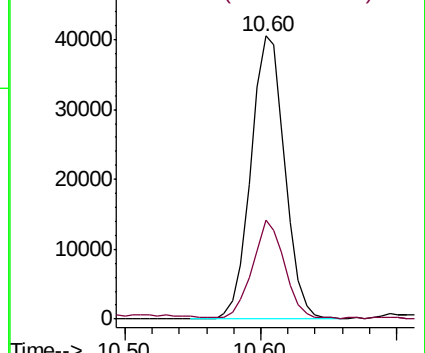
75 100

77 34.7 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 19.954 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

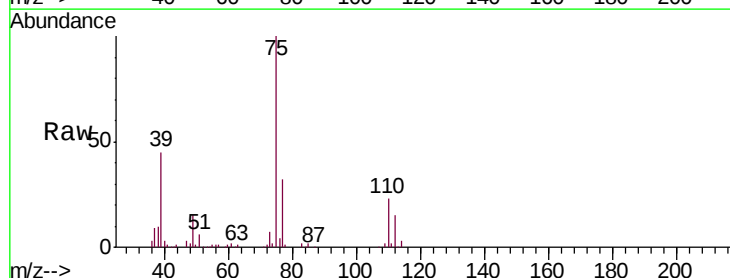
Tgt Ion: 75 Resp: 85497

Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8

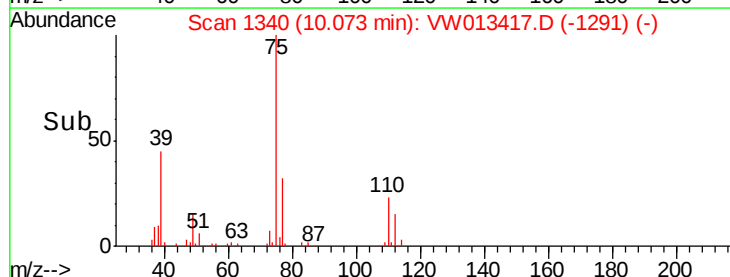
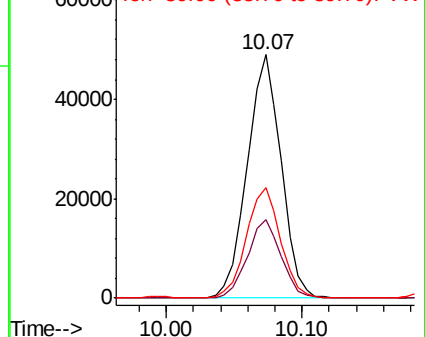
39 45.2 36.6 55.0

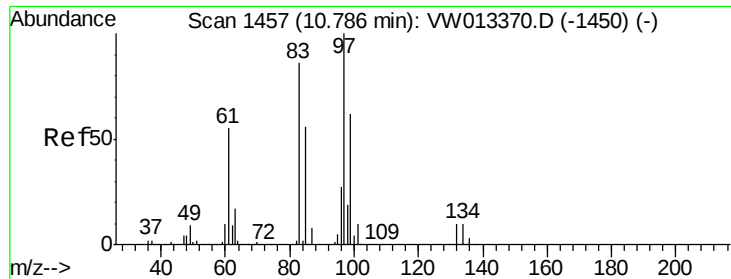


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

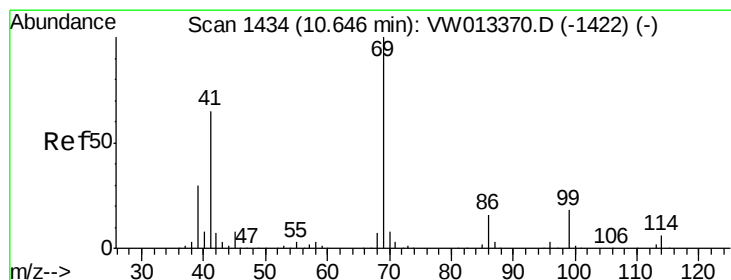
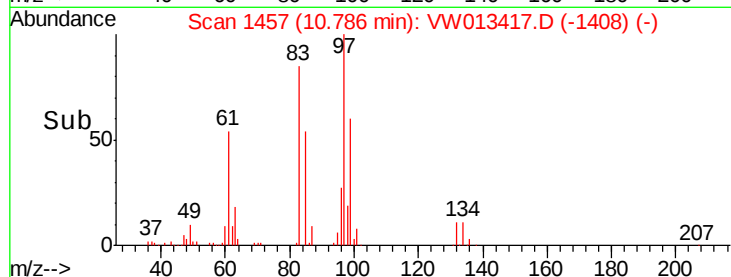
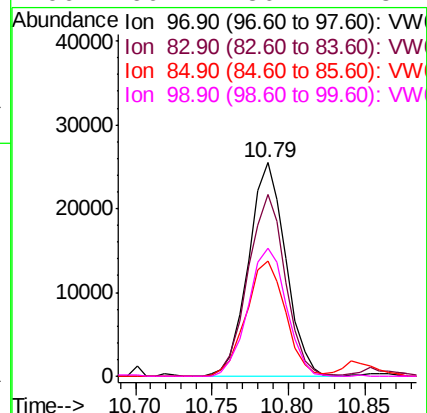
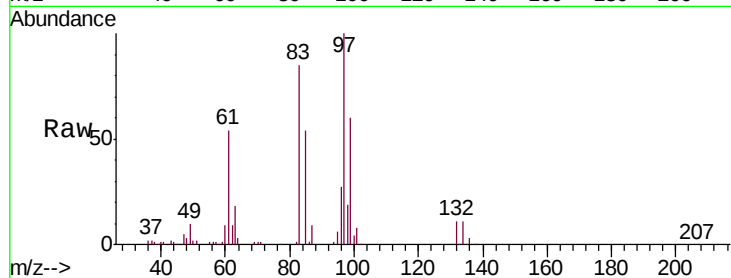




#55
 1,1,2-Trichloroethane
 Concen: 20.956 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

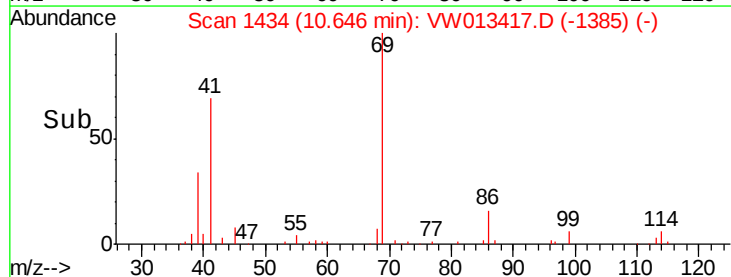
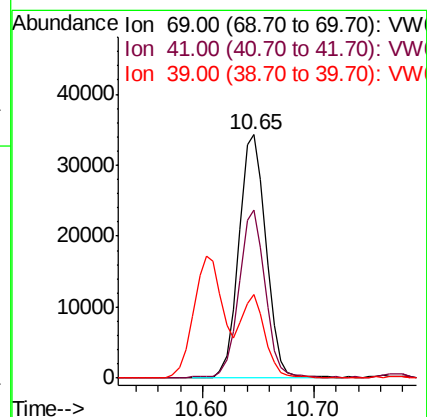
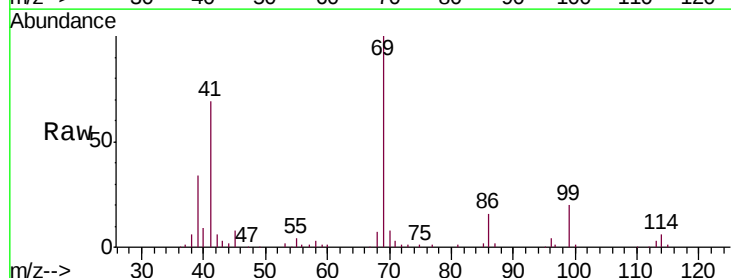
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67

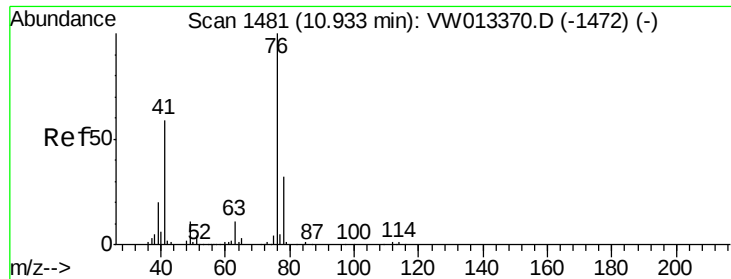
Tgt Ion: 97 Resp: 43145
 Ion Ratio Lower Upper
 97 100
 83 84.9 67.6 101.4
 85 53.9 41.9 62.9
 99 60.2 50.1 75.1



#56
 Ethyl methacrylate
 Concen: 20.885 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion: 69 Resp: 57875
 Ion Ratio Lower Upper
 69 100
 41 67.6 53.9 80.9
 39 30.4 23.8 35.6

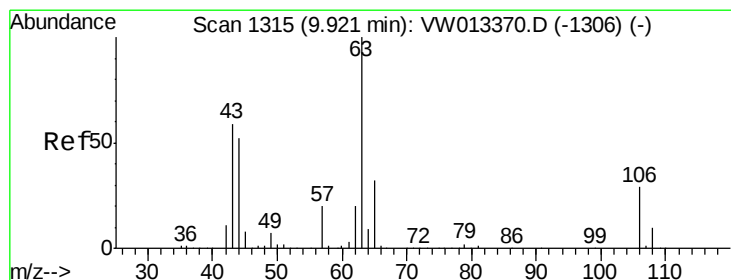
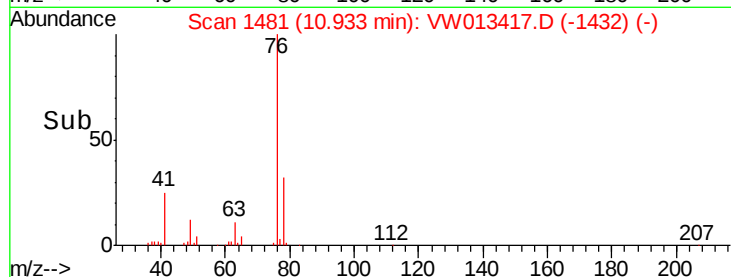
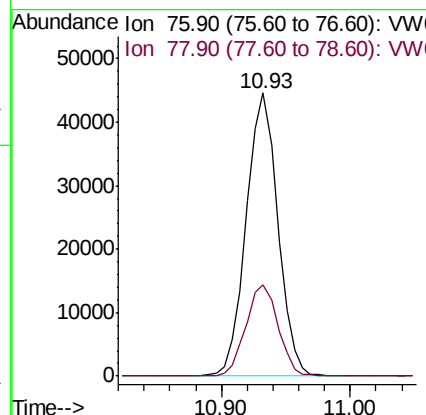
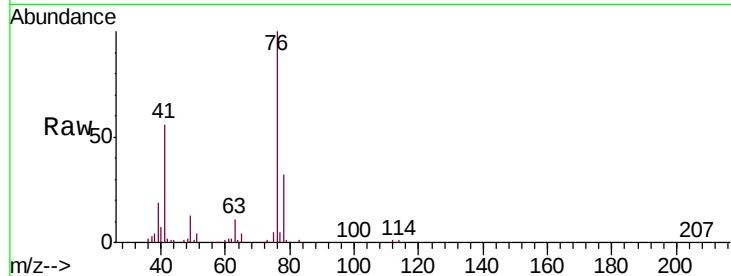




#57
 1,3-Dichloropropane
 Concen: 21.108 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

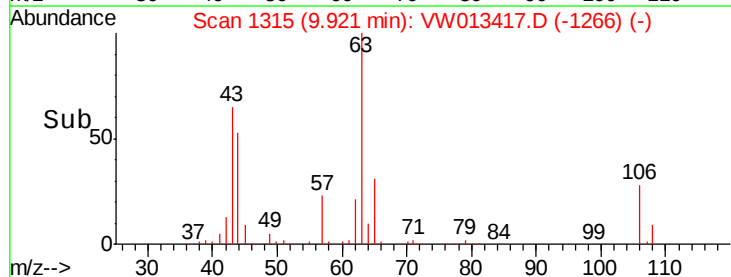
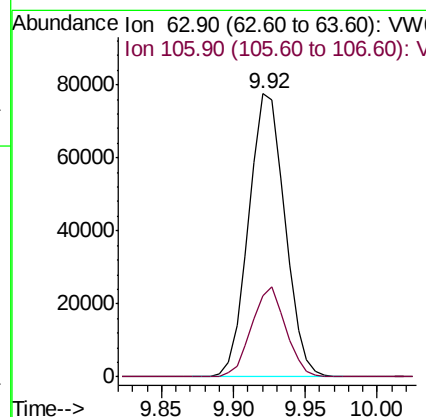
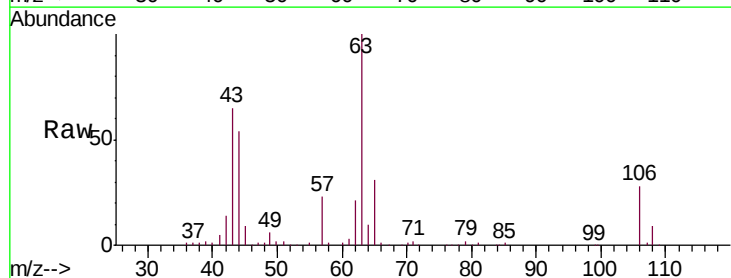
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67

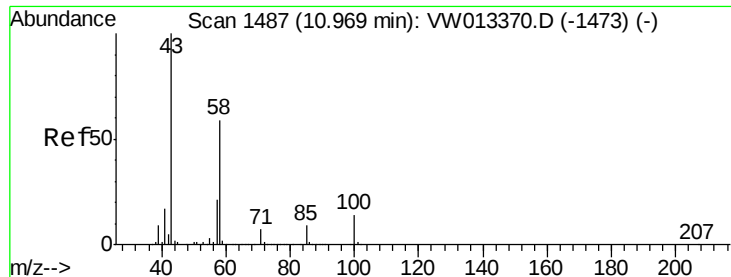
Tgt Ion: 76 Resp: 75550
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.559 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion: 63 Resp: 134961
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.0

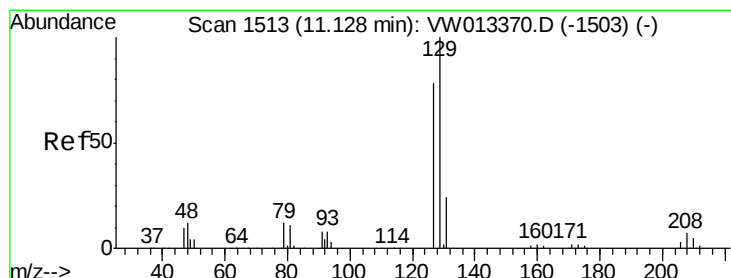
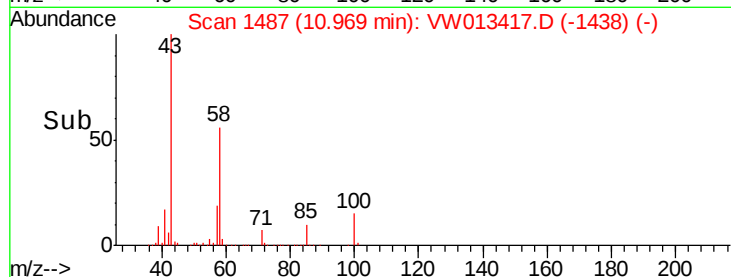
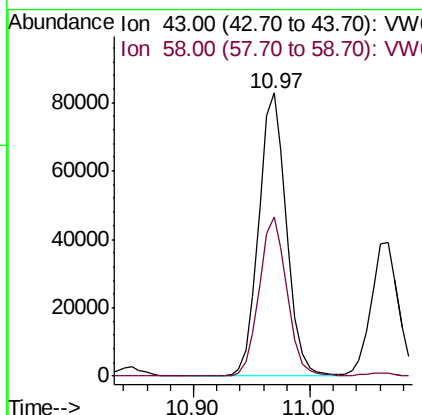
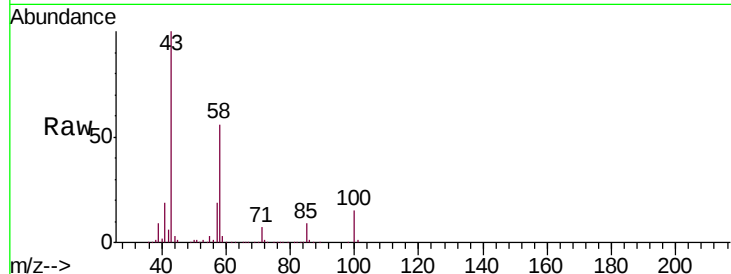




#59
2-Hexanone
Concen: 111.341 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

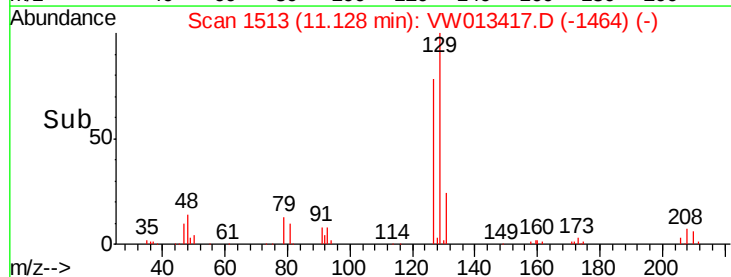
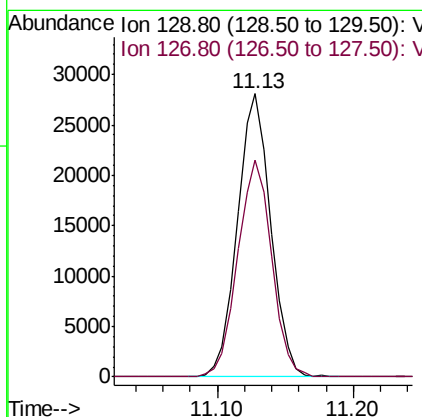
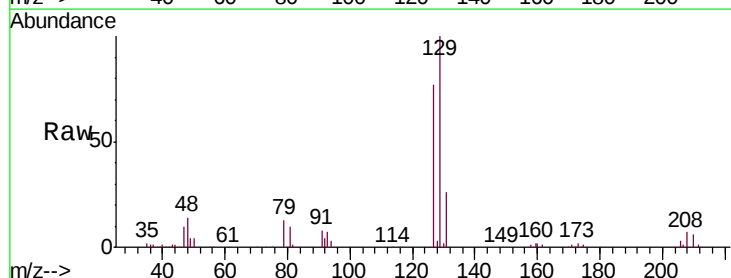
Instrument :
MSVOA_W
ClientSampleId :
30464-67

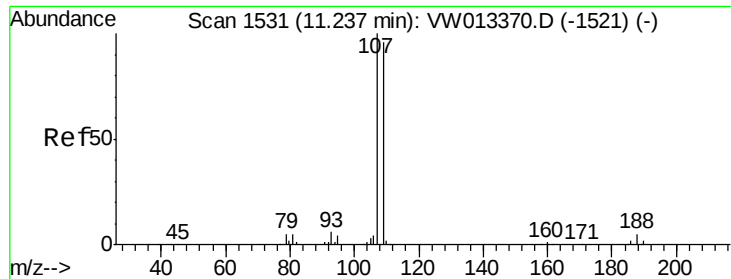
Tgt Ion: 43 Resp: 137306
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.2



#60
Dibromochloromethane
Concen: 20.375 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion: 129 Resp: 47989
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.4

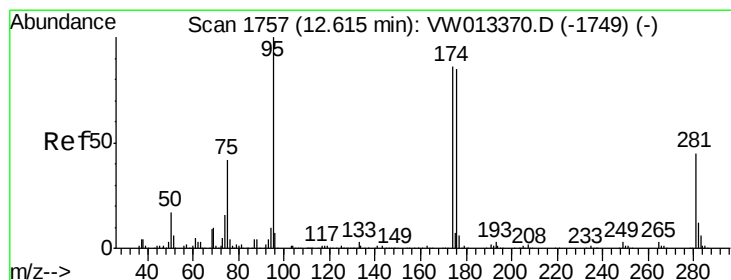
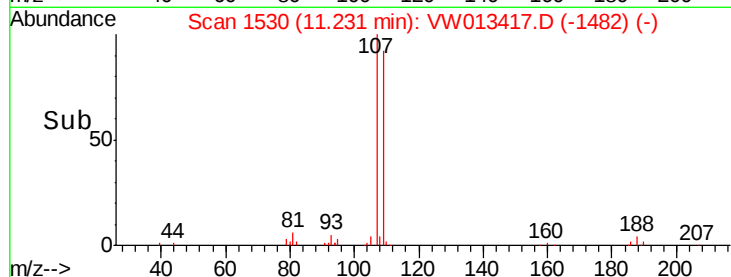
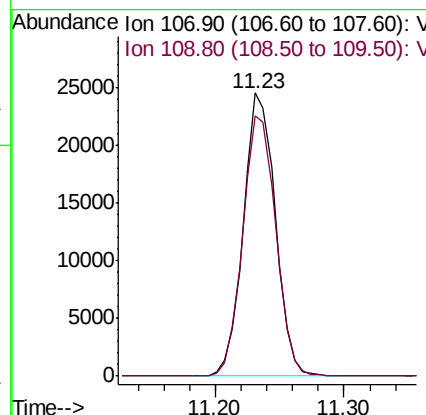
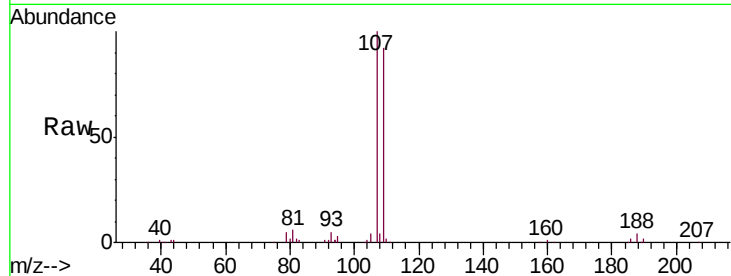




#61
 1,2-Dibromoethane
 Concen: 21.040 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

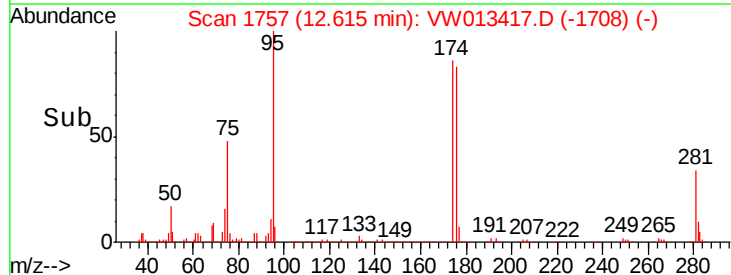
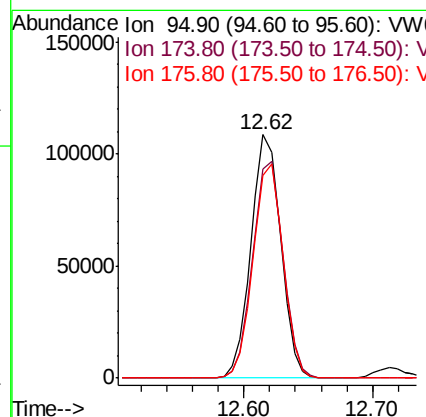
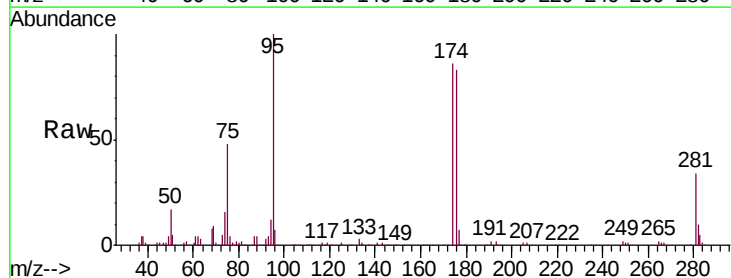
Instrument :
 MSVOA_W
 ClientSampled :
 30464-67

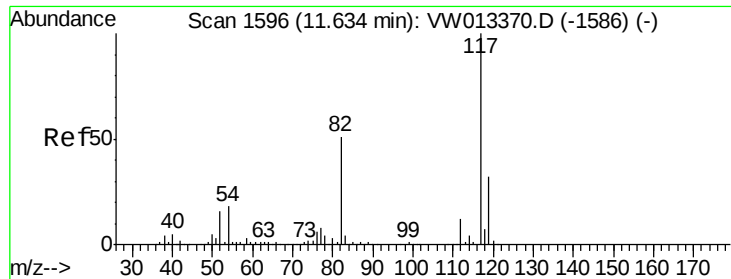
Tgt Ion: 107 Resp: 41859
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 54.355 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion: 95 Resp: 173482
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 178.4
 176 88.4 0.0 172.2

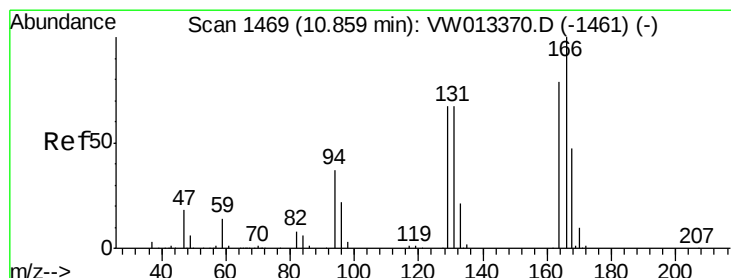
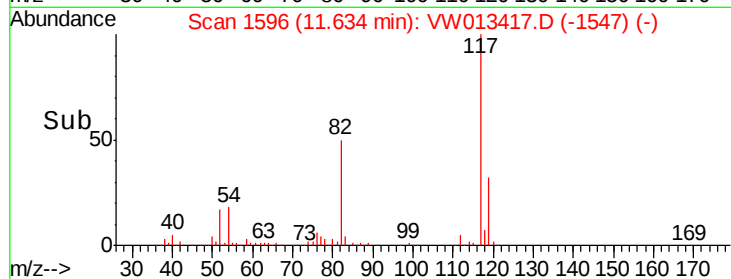
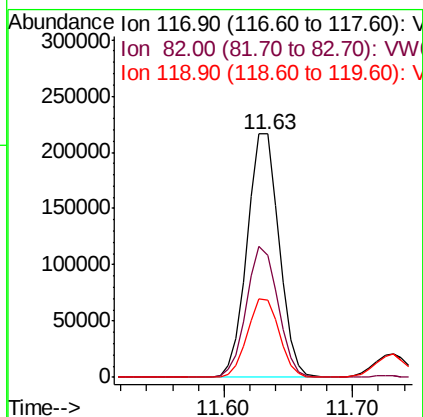
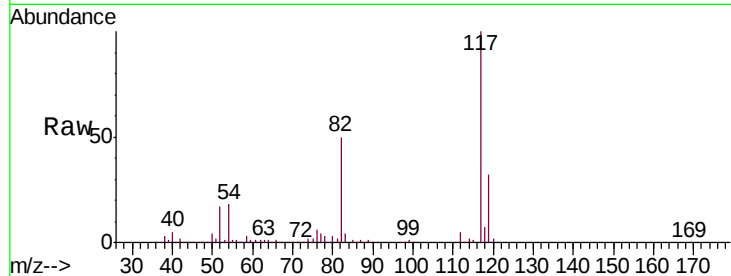




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

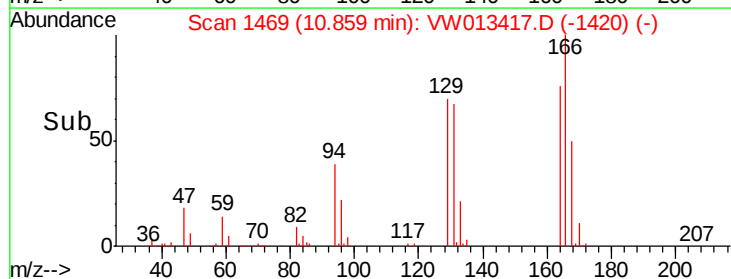
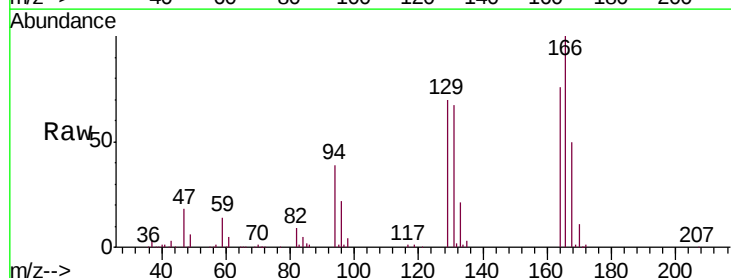
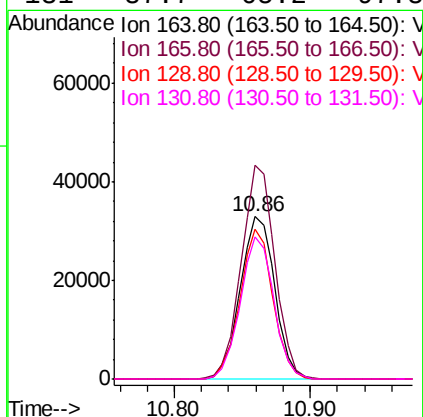
Instrument :
MSVOA_W
ClientSampleId :
30464-67

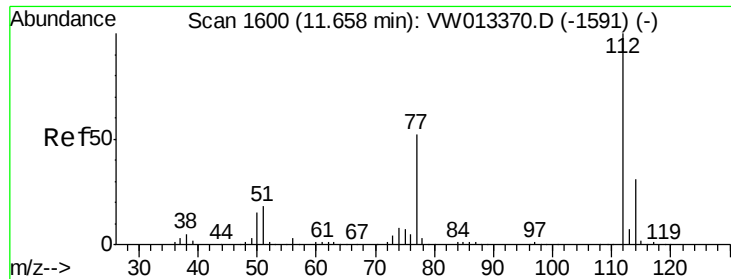
Tgt Ion:117 Resp: 369999
Ion Ratio Lower Upper
117 100
82 50.3 45.9 68.9
119 31.7 26.2 39.2



#64
Tetrachloroethene
Concen: 20.776 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion:164 Resp: 58482
Ion Ratio Lower Upper
164 100
166 131.8 101.2 151.8
129 92.6 68.8 103.2
131 87.7 65.2 97.8

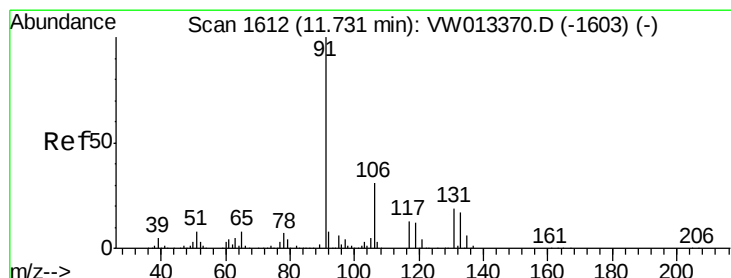
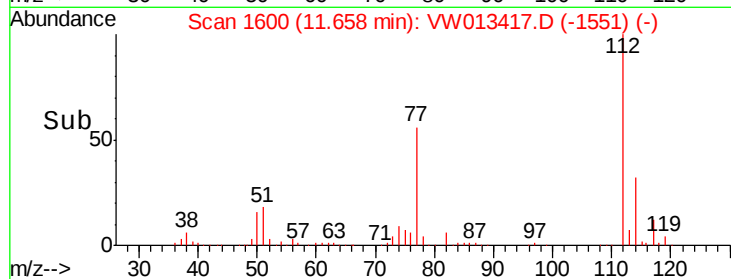
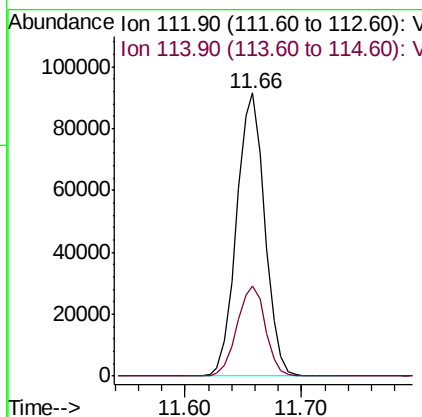
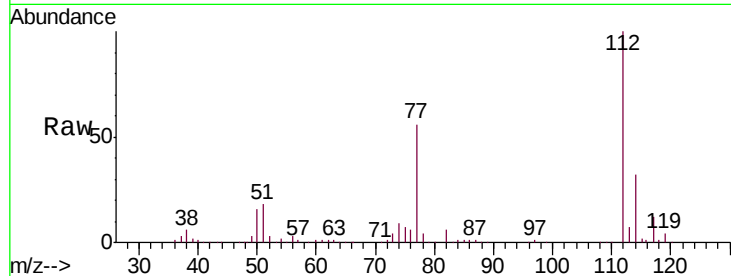




#65
Chlorobenzene
Concen: 20.358 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

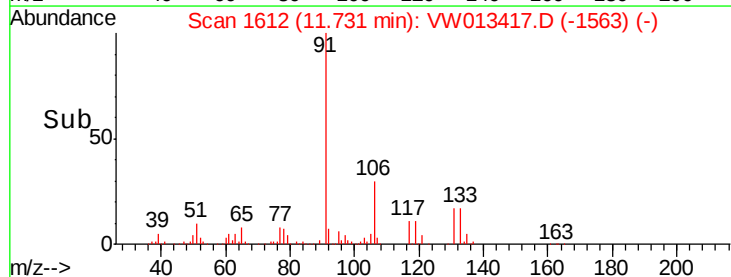
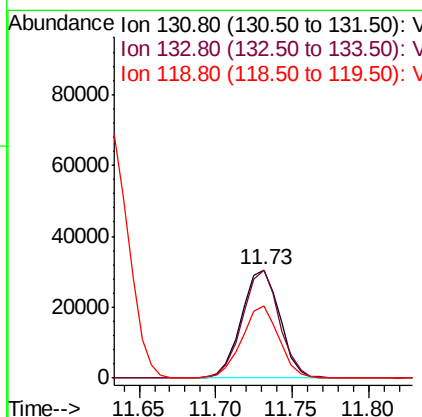
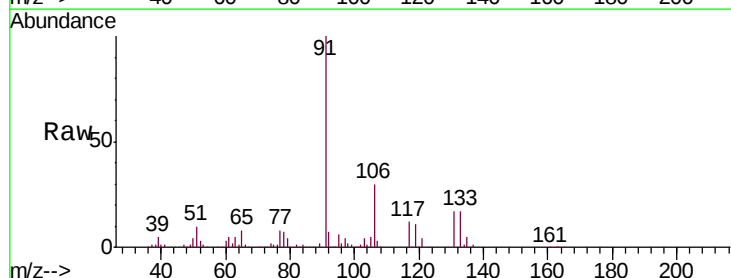
Instrument :
MSVOA_W
ClientSampleId :
30464-67

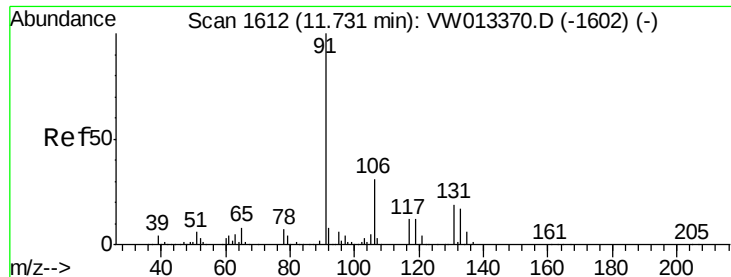
Tgt Ion:112 Resp: 154316
Ion Ratio Lower Upper
112 100
114 31.8 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.529 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion:131 Resp: 53000
Ion Ratio Lower Upper
131 100
133 96.5 47.5 142.6
119 65.0 32.5 97.5

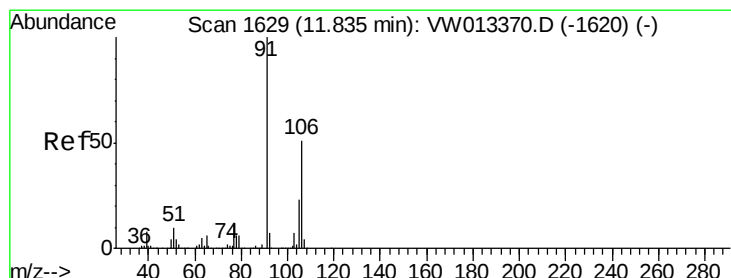
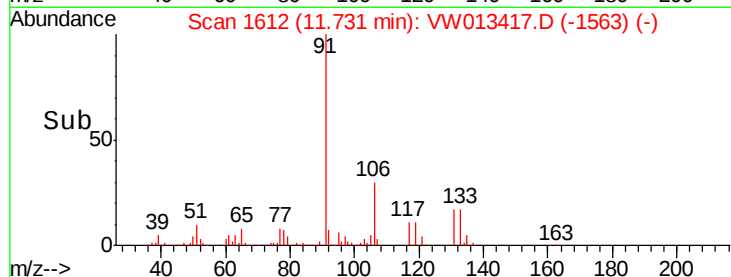
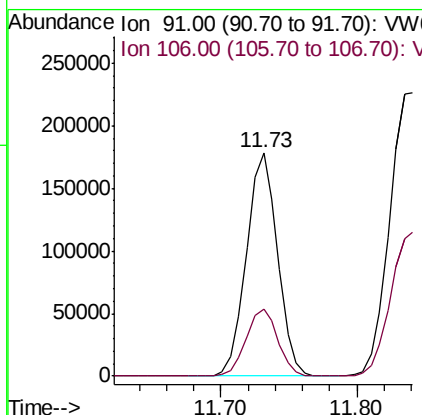
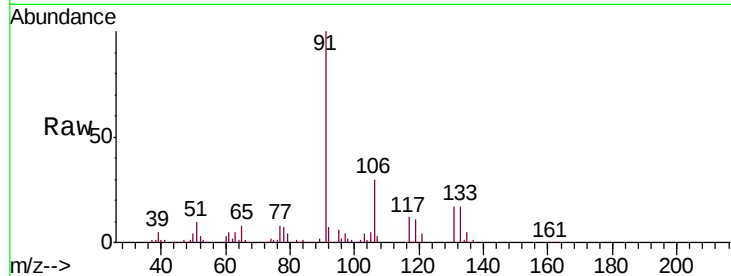




#67
Ethyl Benzene
Concen: 21.041 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

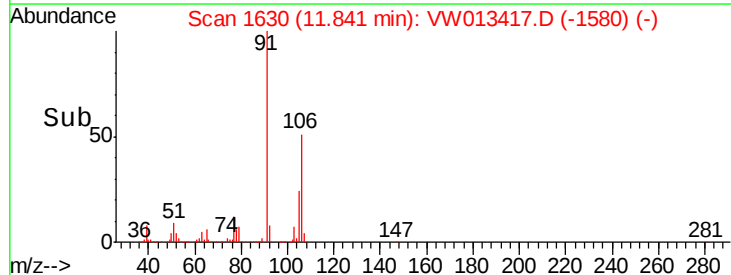
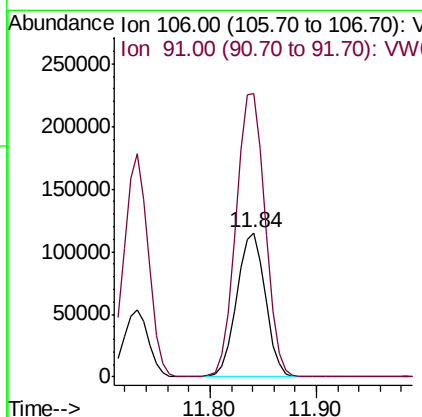
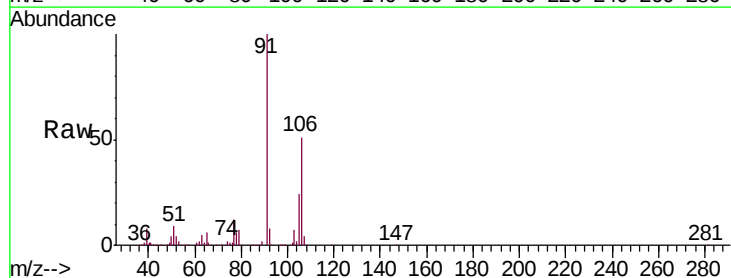
Instrument :
MSVOA_W
ClientSampleId :
30464-67

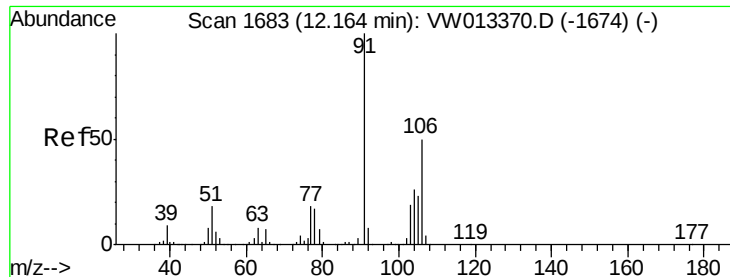
Tgt Ion: 91 Resp: 285847
Ion Ratio Lower Upper
91 100
106 29.9 24.9 37.3



#68
m/p-Xylenes
Concen: 41.428 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion: 106 Resp: 217245
Ion Ratio Lower Upper
106 100
91 200.4 157.9 236.9

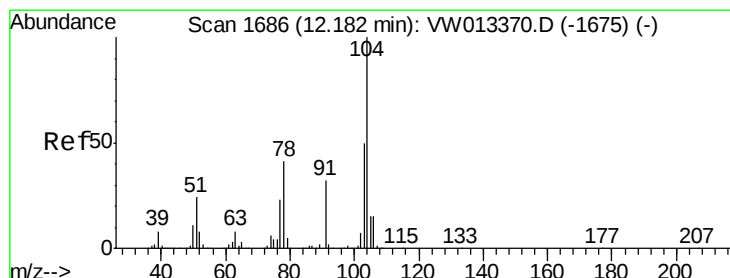
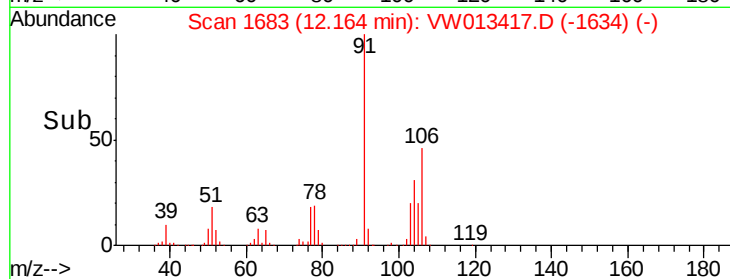
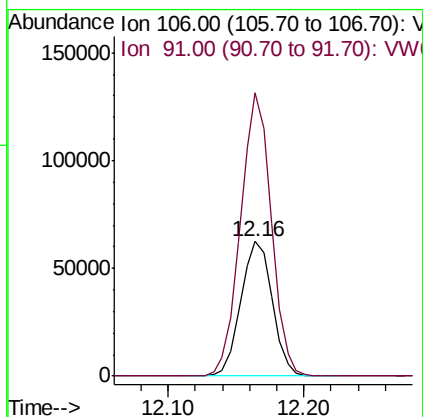
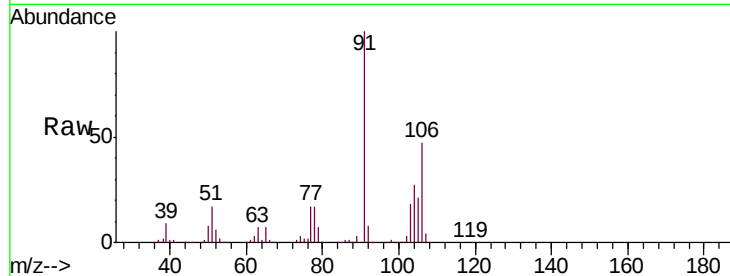




#69
o-Xylene
Concen: 20.798 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

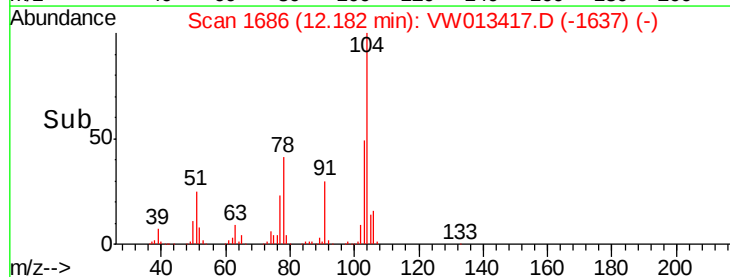
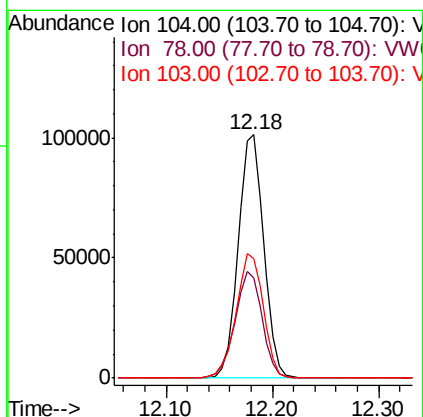
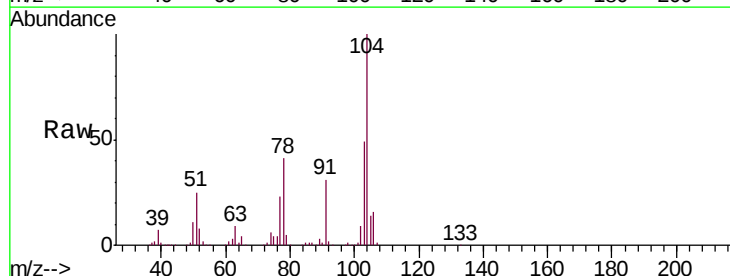
Instrument :
MSVOA_W
ClientSampleId :
30464-67

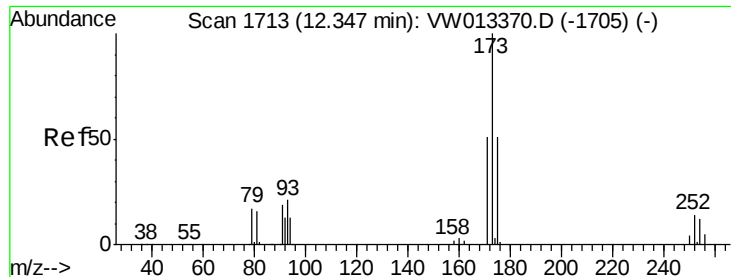
Tgt Ion:106 Resp: 100837
Ion Ratio Lower Upper
106 100
91 206.3 106.5 319.5



#70
Styrene
Concen: 20.603 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion:104 Resp: 170759
Ion Ratio Lower Upper
104 100
78 46.8 38.4 57.6
103 54.4 43.3 64.9





#71

Bromoform

Concen: 22.243 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

30464-67

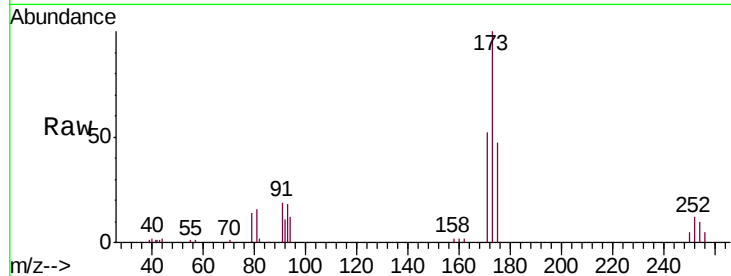
Tgt Ion:173 Resp: 31135

Ion Ratio Lower Upper

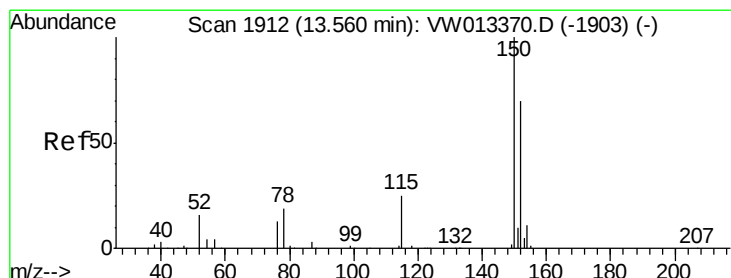
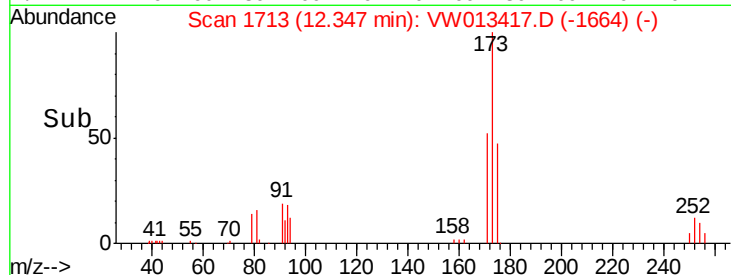
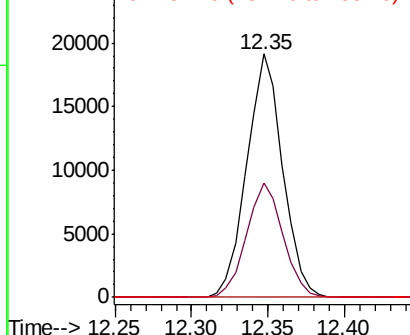
173 100

175 47.8 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

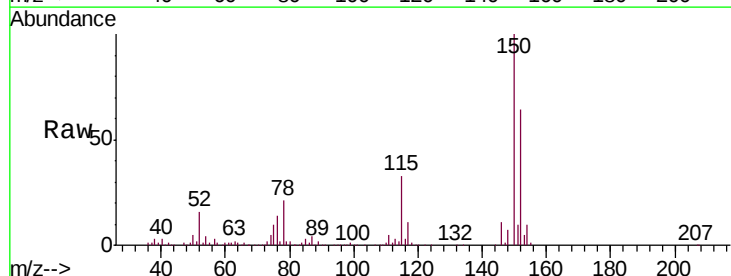
Tgt Ion:152 Resp: 191103

Ion Ratio Lower Upper

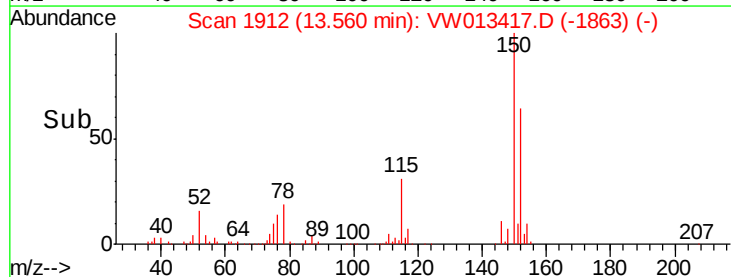
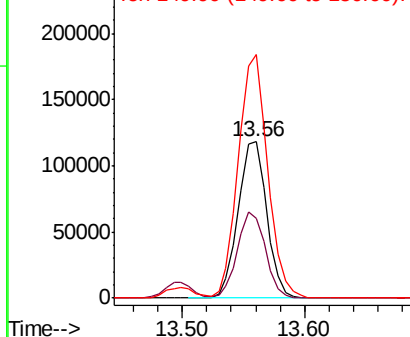
152 100

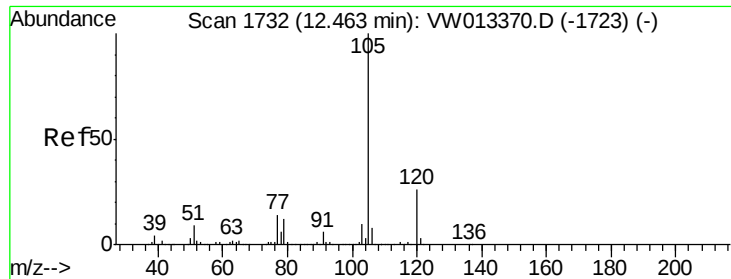
115 53.5 27.3 81.9

150 160.4 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.059 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

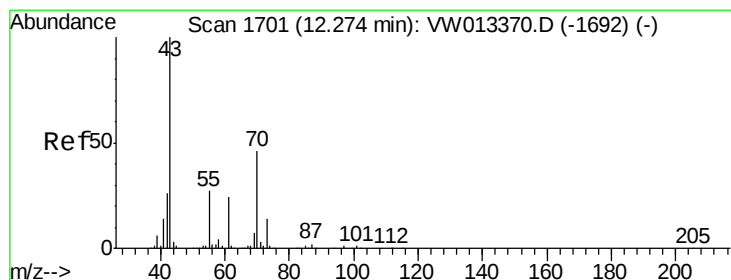
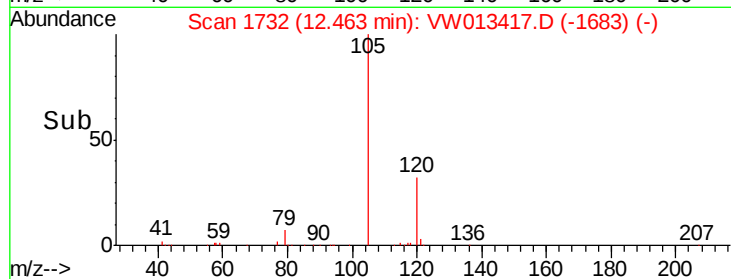
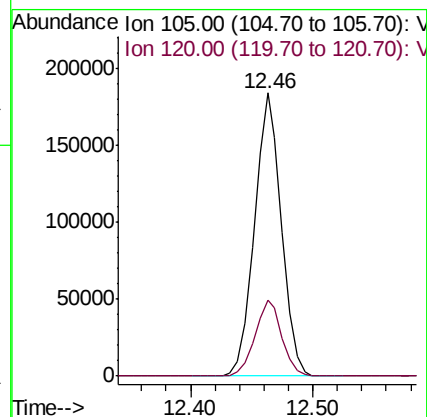
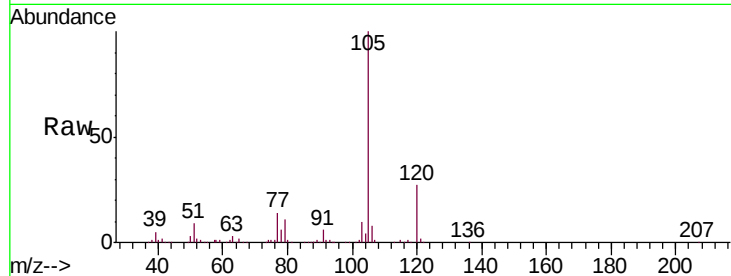
30464-67

Tgt Ion:105 Resp: 280404

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.1



#74

N-ethyl acetate

Concen: 21.114 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Tgt Ion: 43 Resp: 62814

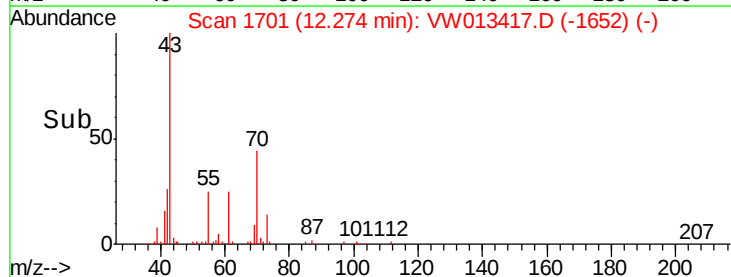
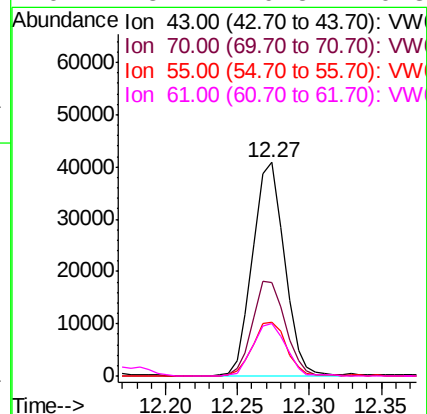
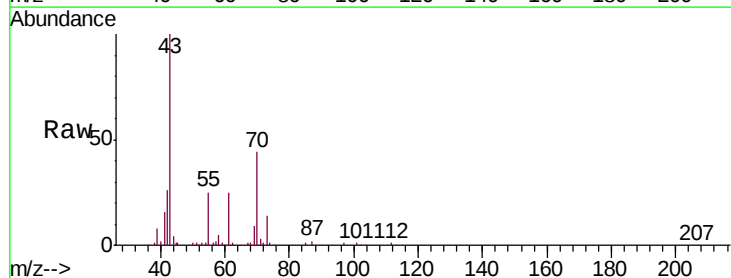
Ion Ratio Lower Upper

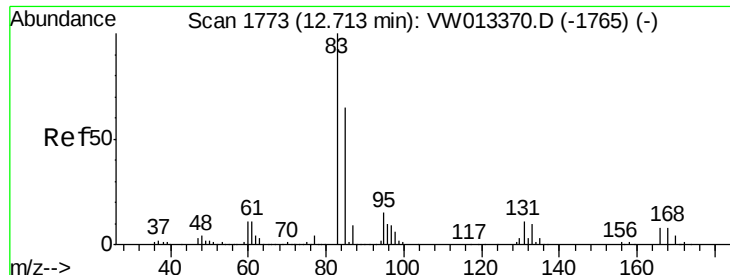
43 100

70 46.1 35.1 52.7

55 27.0 19.9 29.9

61 25.7 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.822 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

30464-67

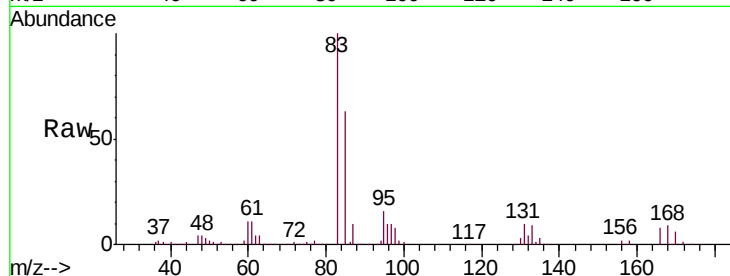
Tgt Ion: 83 Resp: 51630

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

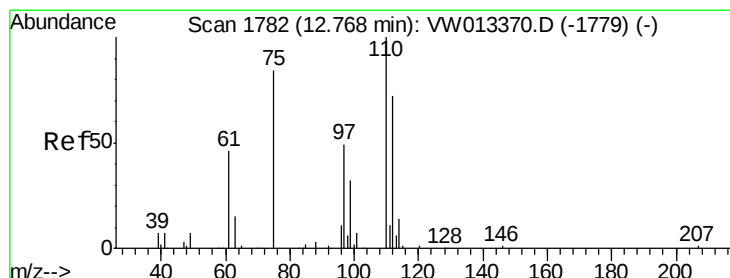
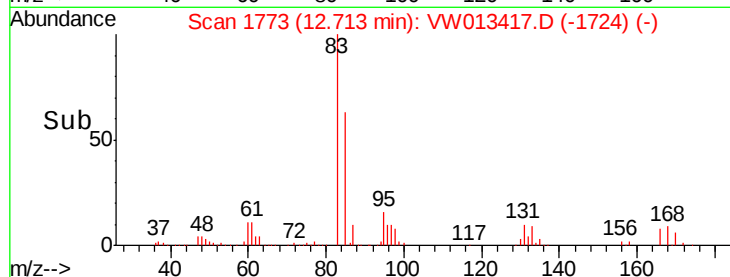
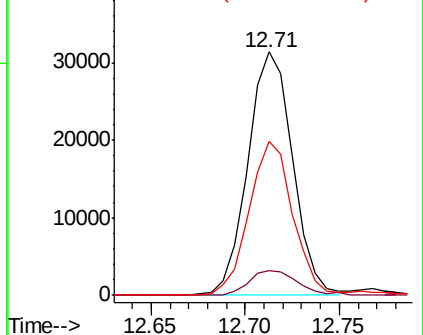
85 62.0 31.9 95.9



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: 38.440 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013417.D

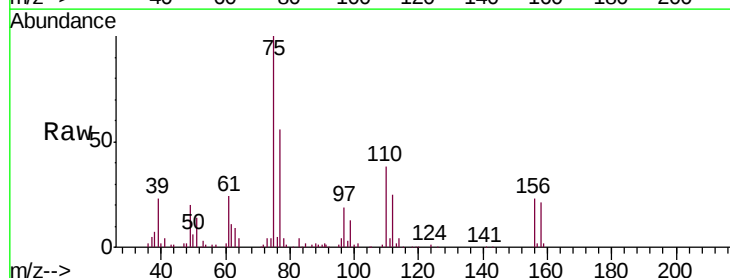
Acq: 03 Oct 2019 13:35

Tgt Ion: 75 Resp: 65289

Ion Ratio Lower Upper

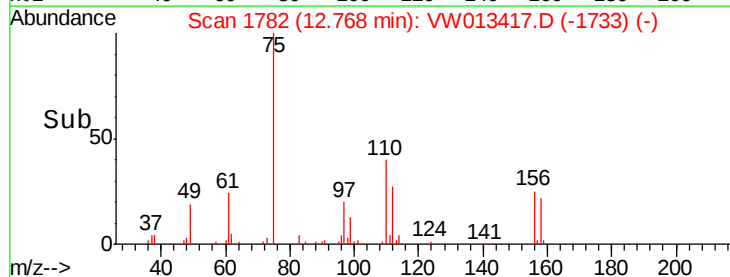
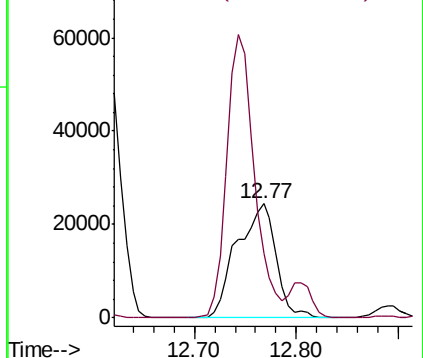
75 100

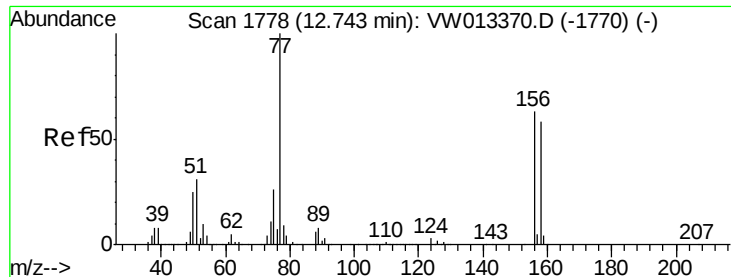
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

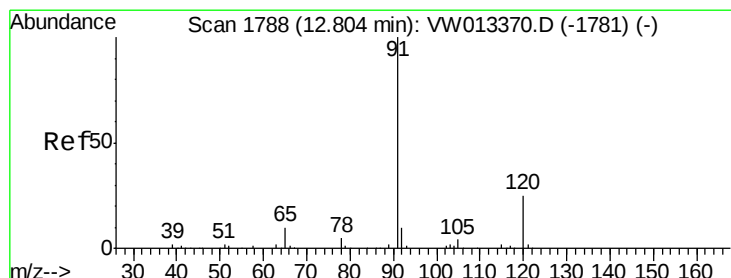
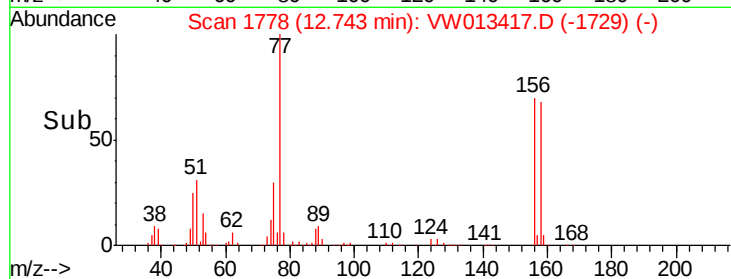
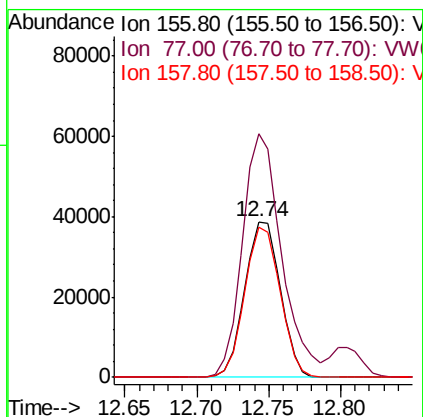
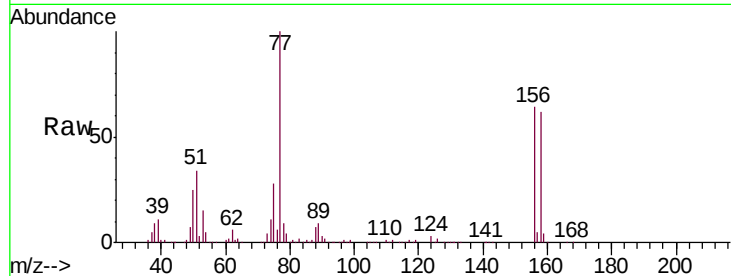




#77
Bromobenzene
Concen: 19.784 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

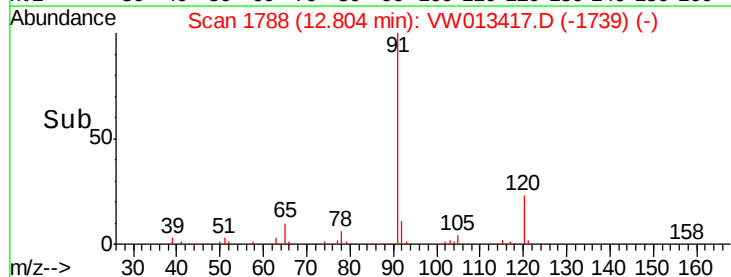
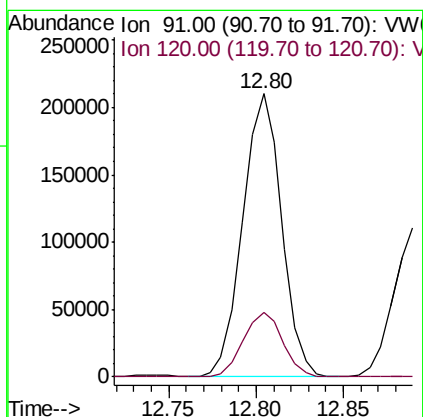
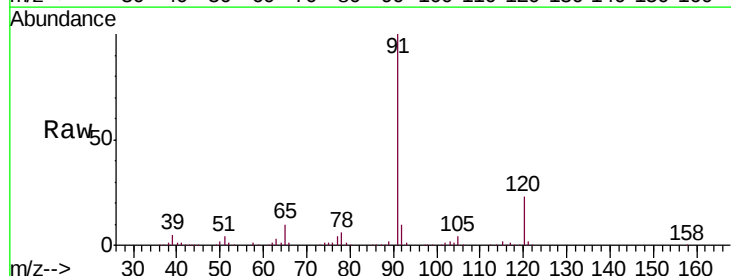
Instrument :
MSVOA_W
ClientSampled :
30464-67

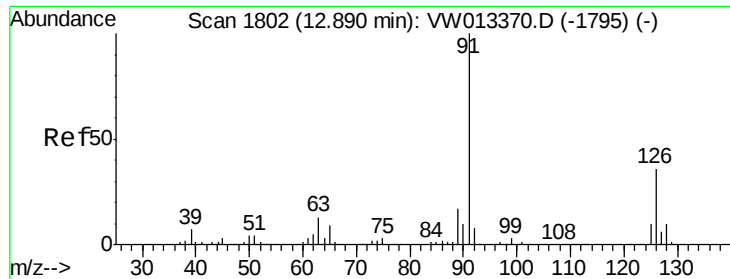
Tgt Ion: 156 Resp: 66407
Ion Ratio Lower Upper
156 100
77 172.0 85.7 257.1
158 96.1 48.1 144.4



#78
n-propylbenzene
Concen: 20.234 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion: 91 Resp: 325361
Ion Ratio Lower Upper
91 100
120 23.3 11.7 35.1

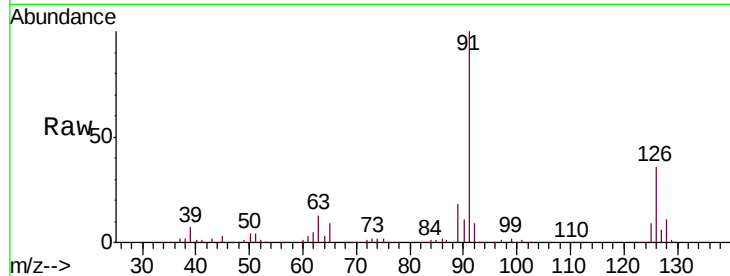




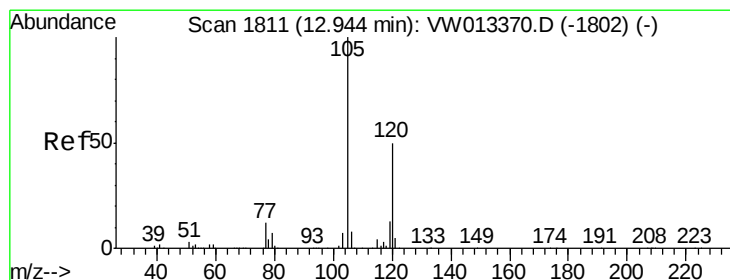
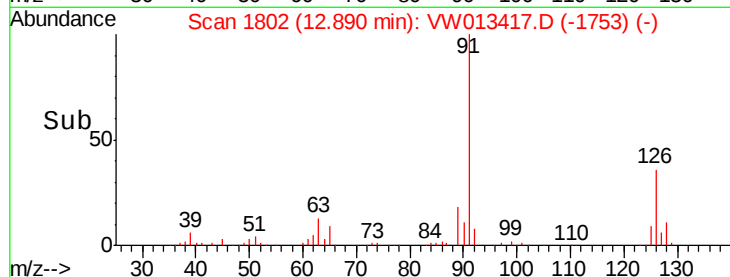
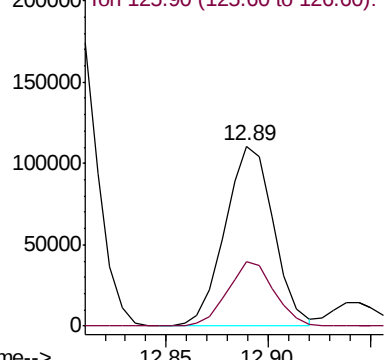
#79
2-Chlorotoluene
Concen: 20.447 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
30464-67

Tgt Ion: 91 Resp: 182612
Ion Ratio Lower Upper
91 100
126 34.9 17.2 51.5

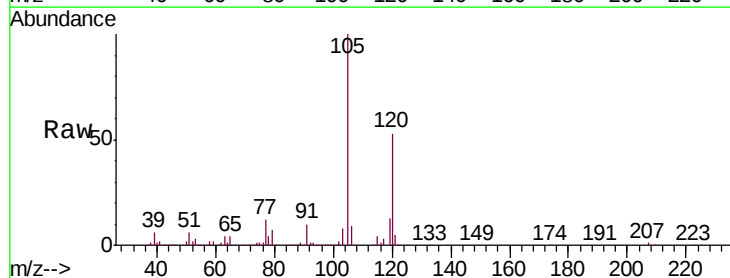


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

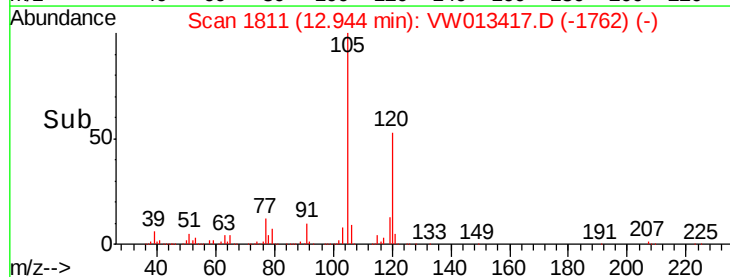
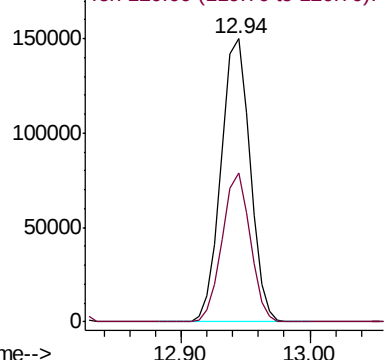


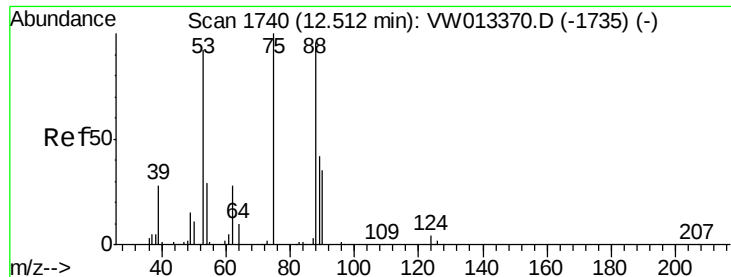
#80
1,3,5-Trimethylbenzene
Concen: 20.089 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion: 105 Resp: 233271
Ion Ratio Lower Upper
105 100
120 50.9 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 22.977 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

30464-67

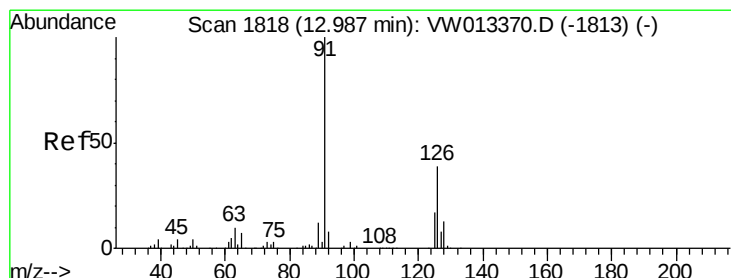
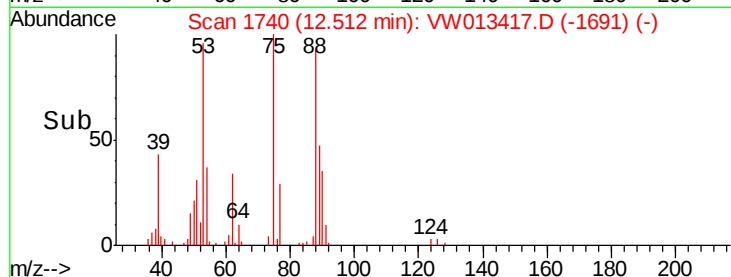
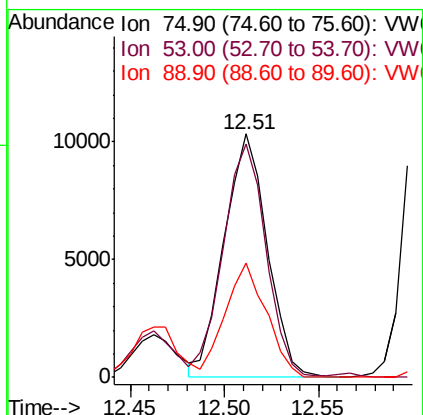
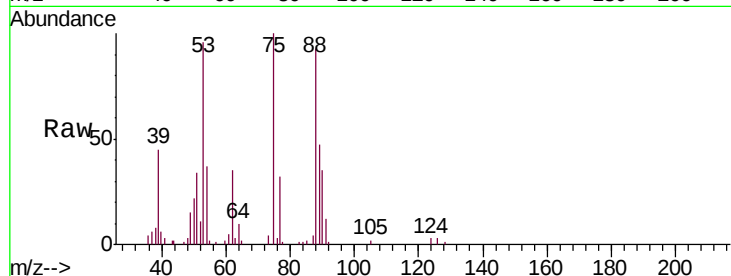
Tgt Ion: 75 Resp: 16372

Ion Ratio Lower Upper

75 100

53 94.6 76.6 114.8

89 44.8 33.5 50.3



#82

4-Chlorotoluene

Concen: 20.291 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013417.D

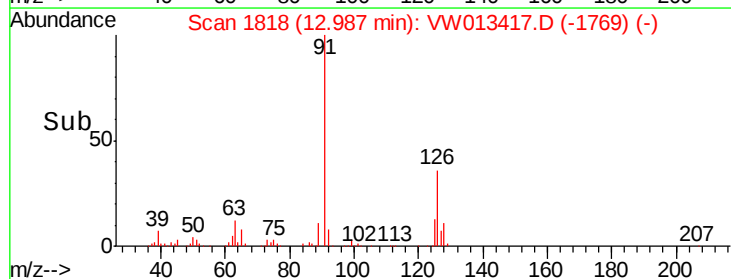
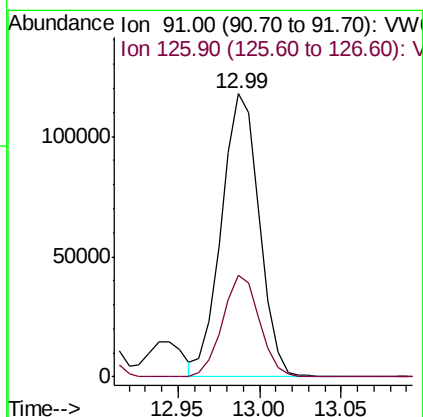
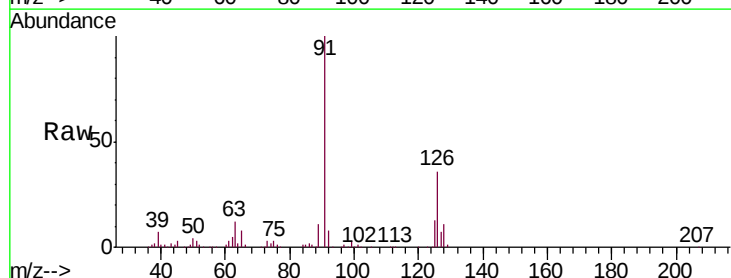
Acq: 03 Oct 2019 13:35

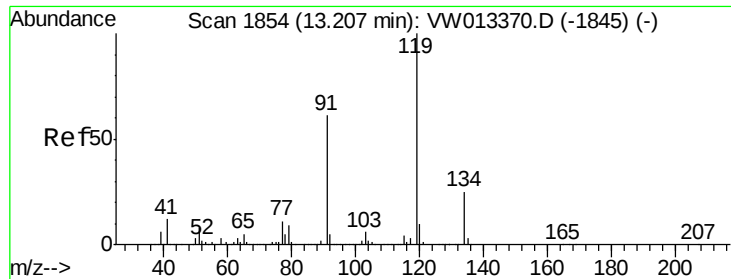
Tgt Ion: 91 Resp: 189832

Ion Ratio Lower Upper

91 100

126 35.1 17.3 51.7

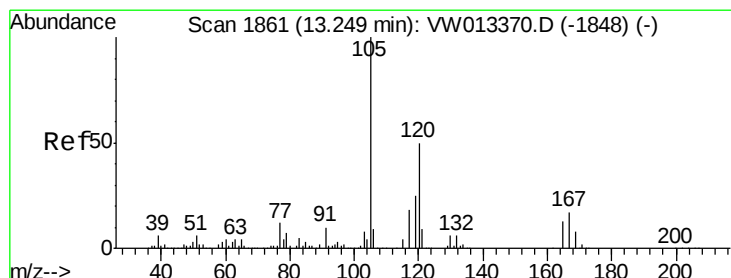
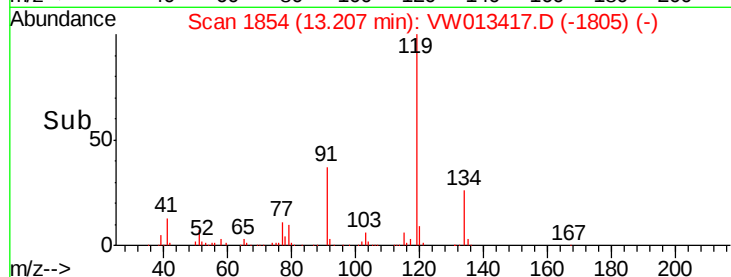
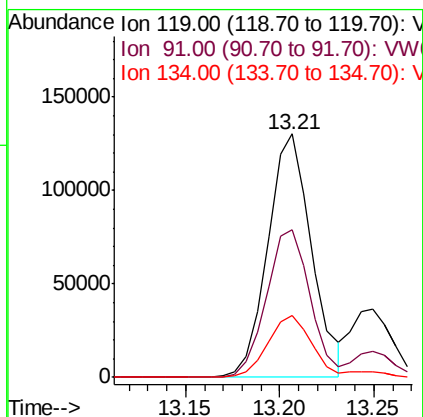
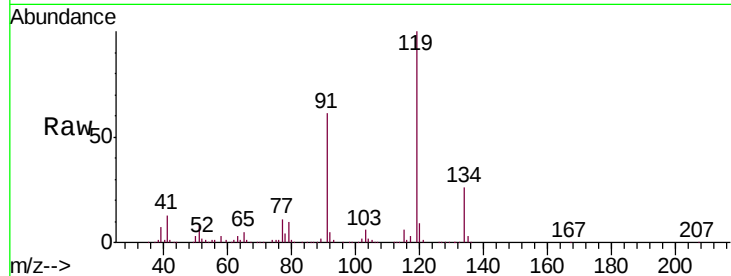




#83
tert-Butylbenzene
Concen: 20.666 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

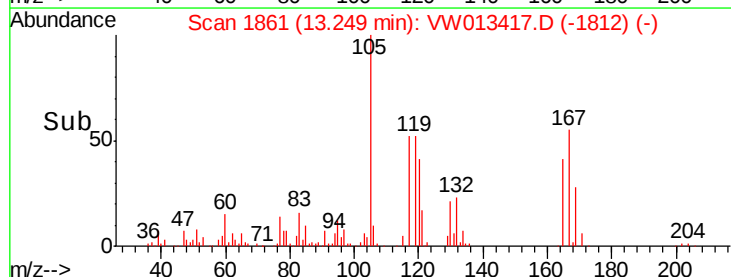
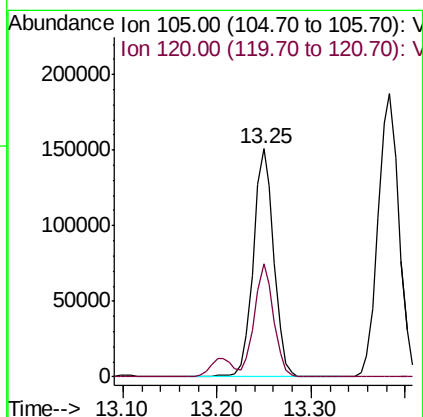
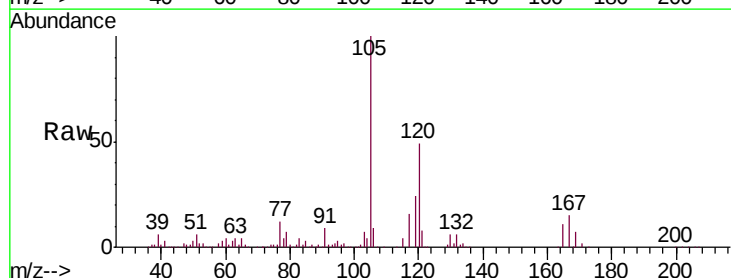
Instrument :
MSVOA_W
ClientSampleId :
30464-67

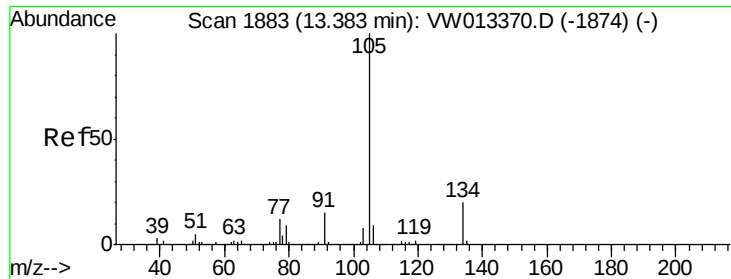
Tgt Ion:119 Resp: 209613
Ion Ratio Lower Upper
119 100
91 60.4 30.7 92.1
134 25.5 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 20.089 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion:105 Resp: 231896
Ion Ratio Lower Upper
105 100
120 46.2 23.4 70.3

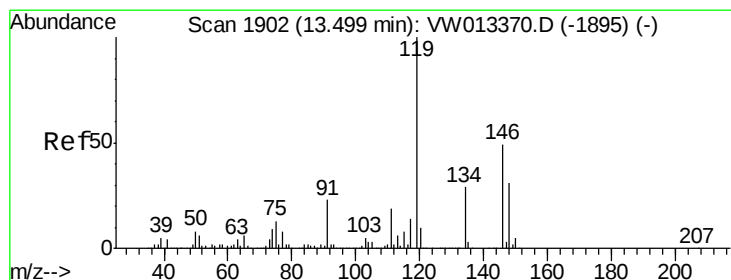
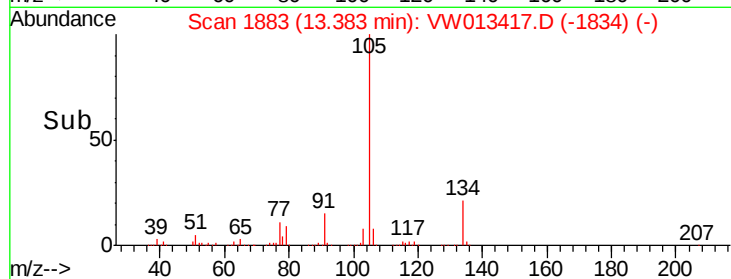
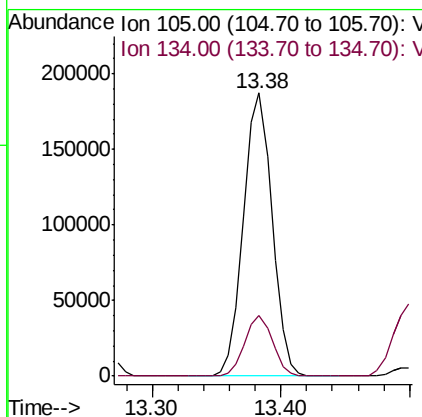
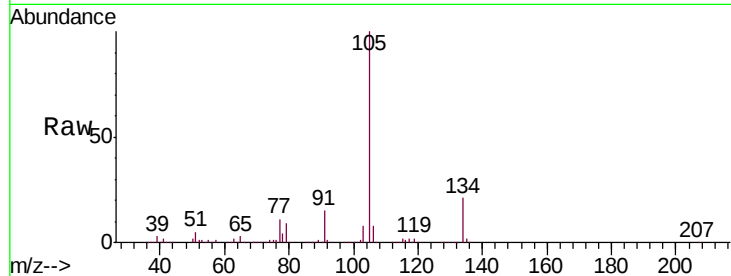




#85
 sec-Butylbenzene
 Concen: 20.548 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

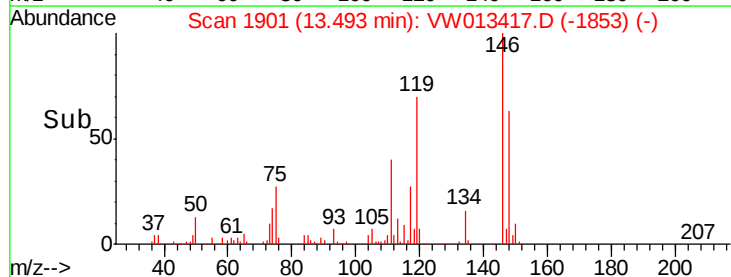
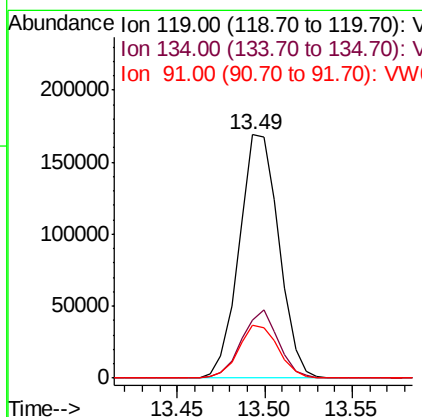
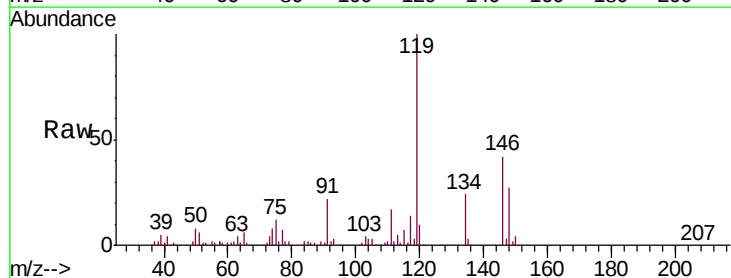
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67

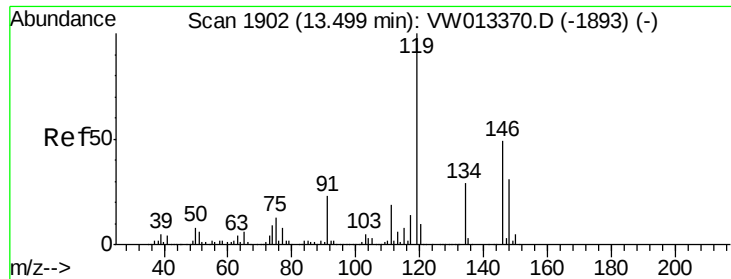
Tgt Ion:105 Resp: 287341
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.557 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion:119 Resp: 266409
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.3 39.8
 91 21.5 10.8 32.4

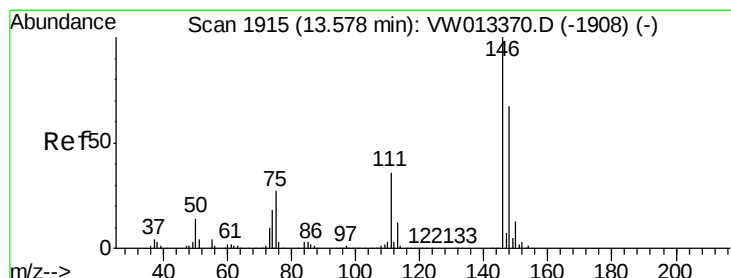
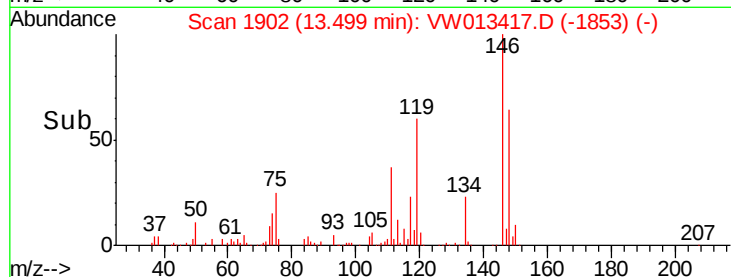
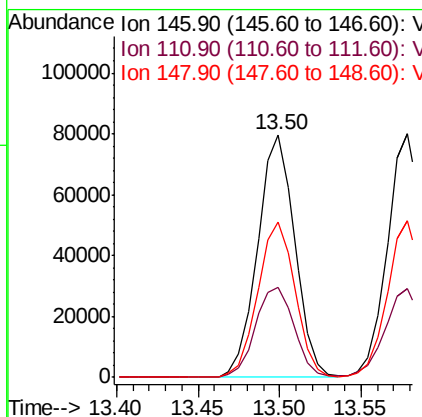
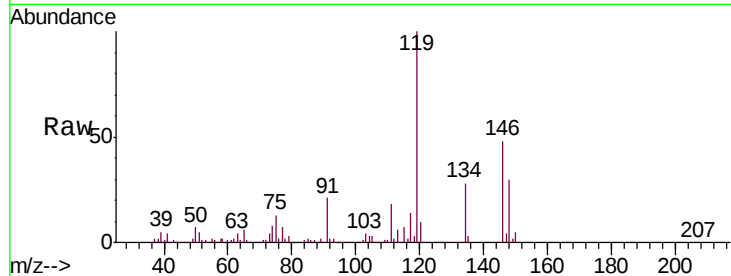




#87
 1,3-Dichlorobenzene
 Concen: 20.006 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

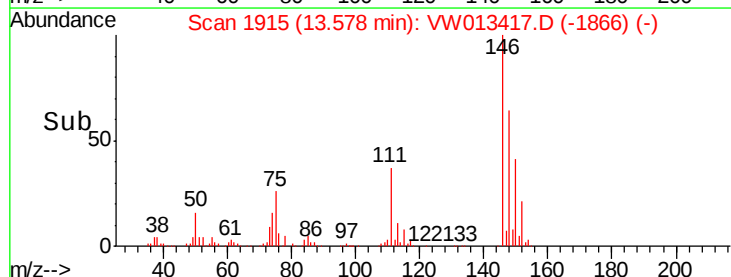
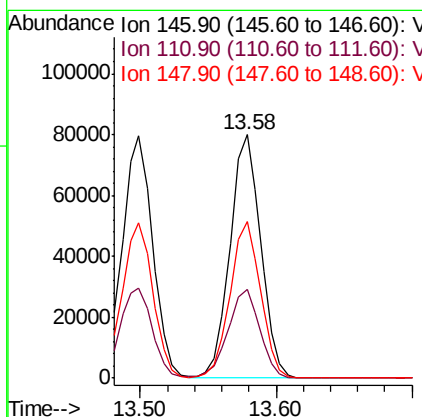
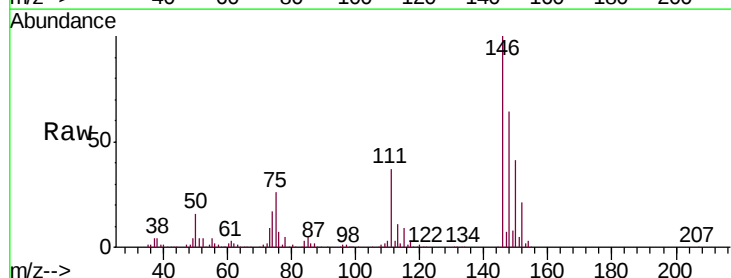
Instrument :
 MSVOA_W
 ClientSampled :
 30464-67

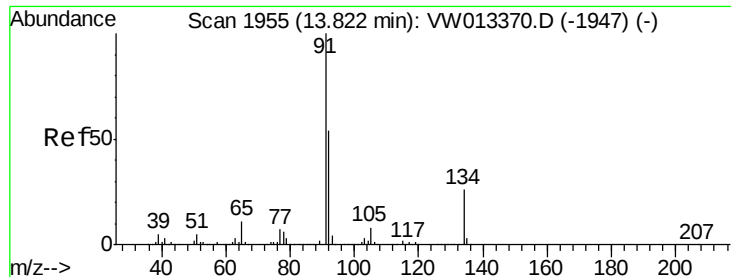
Tgt Ion:146 Resp: 126333
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.9 56.9
 148 64.3 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.885 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion:146 Resp: 125727
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.4 55.0
 148 63.8 32.1 96.3





#89

n-Butylbenzene

Concen: 20.616 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

30464-67

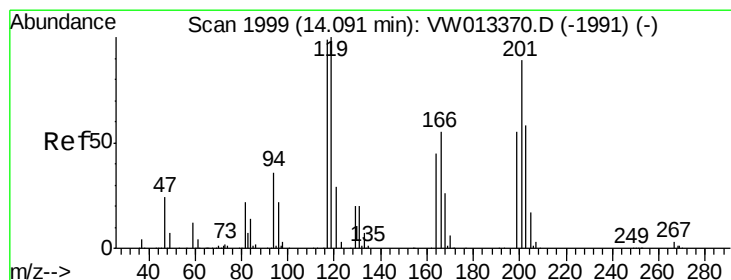
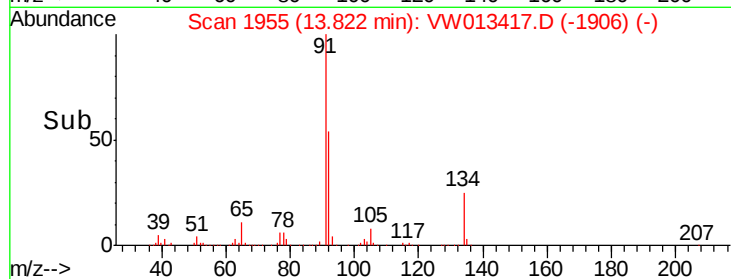
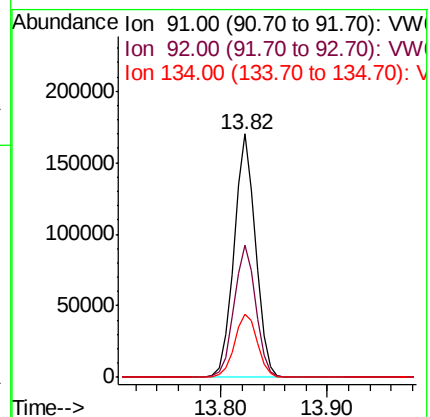
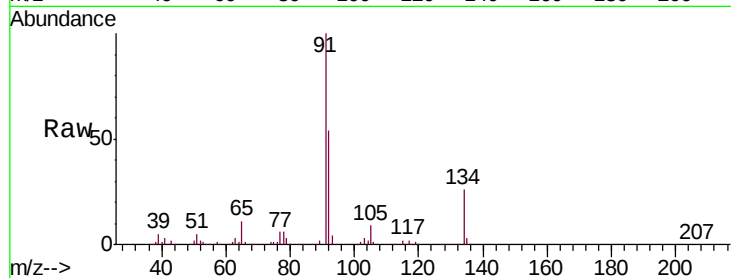
Tgt Ion: 91 Resp: 240882

Ion Ratio Lower Upper

91 100

92 55.1 27.6 82.8

134 27.5 13.7 41.1



#90

Hexachloroethane

Concen: 20.599 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013417.D

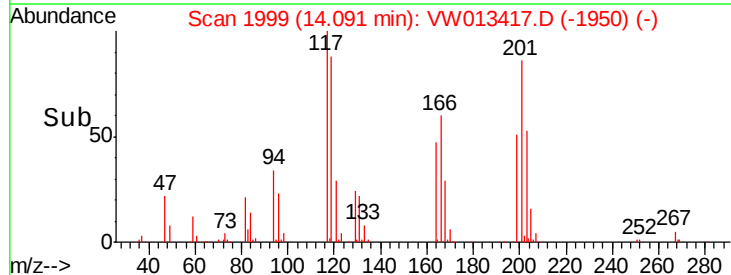
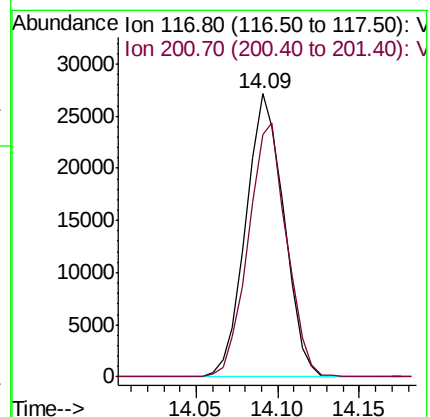
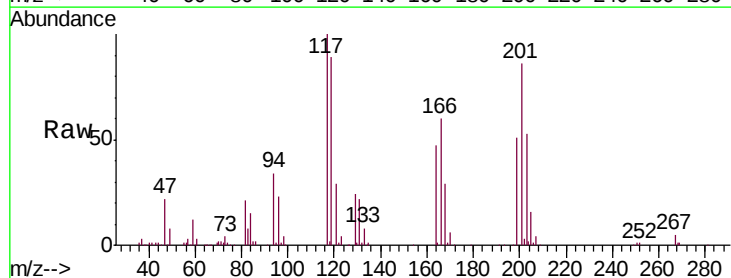
Acq: 03 Oct 2019 13:35

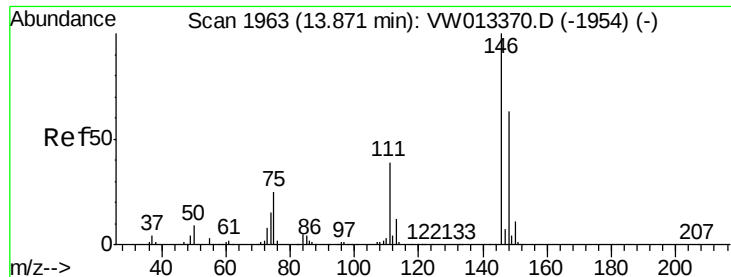
Tgt Ion: 117 Resp: 44105

Ion Ratio Lower Upper

117 100

201 90.4 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 20.136 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

30464-67

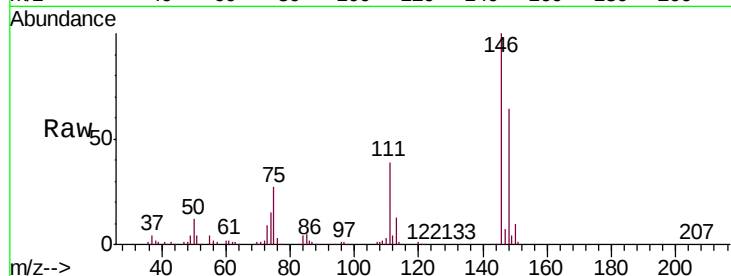
Tgt Ion:146 Resp: 112408

Ion Ratio Lower Upper

146 100

111 39.2 20.1 60.3

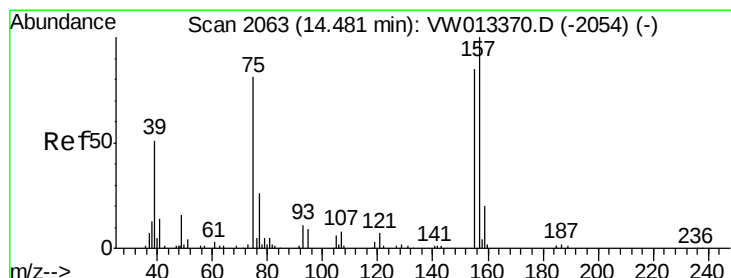
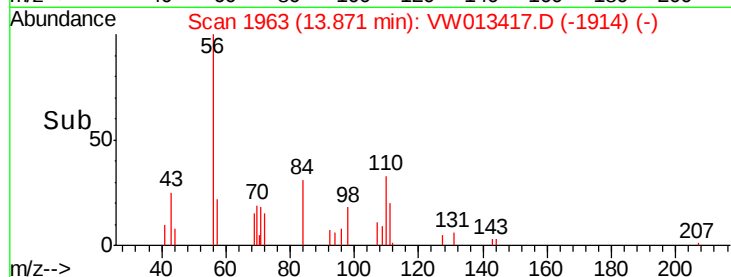
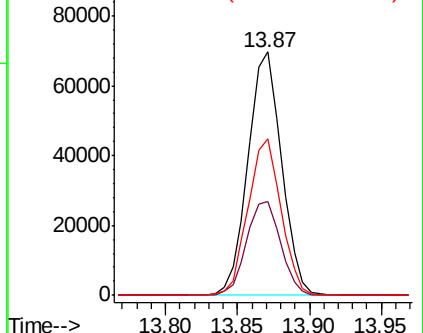
148 63.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.188 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013417.D

Acq: 03 Oct 2019 13:35

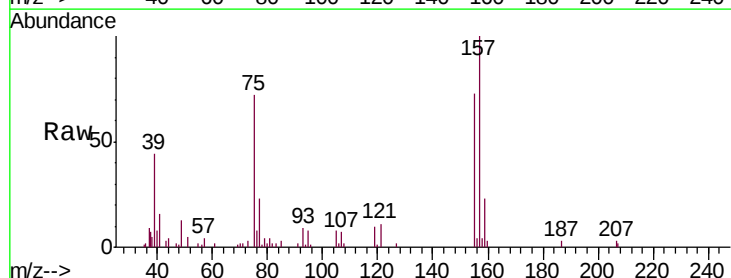
Tgt Ion: 75 Resp: 8206

Ion Ratio Lower Upper

75 100

155 99.0 46.1 138.3

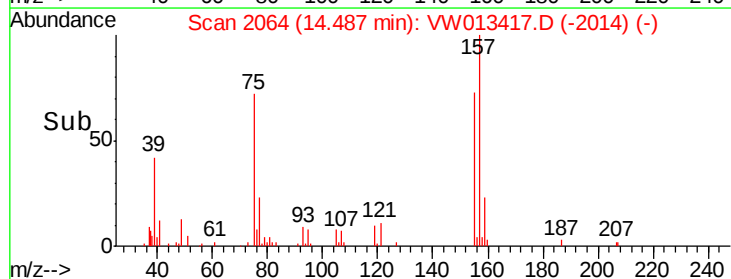
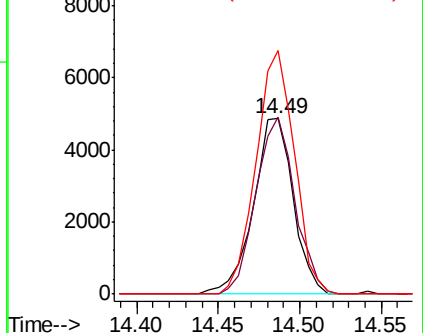
157 133.8 60.4 181.2

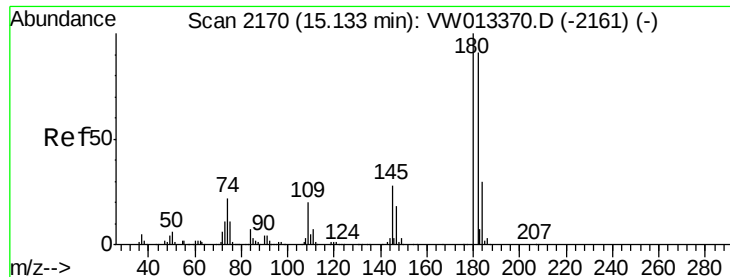


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

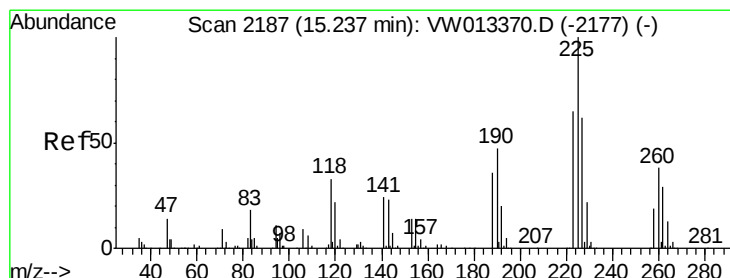
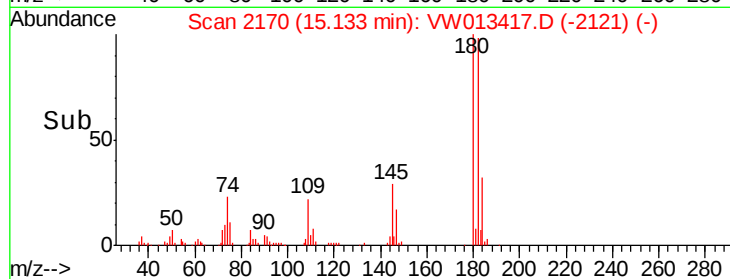
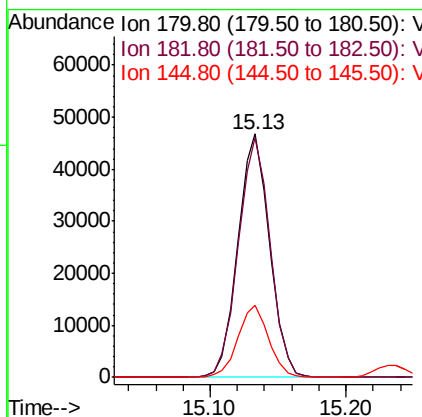
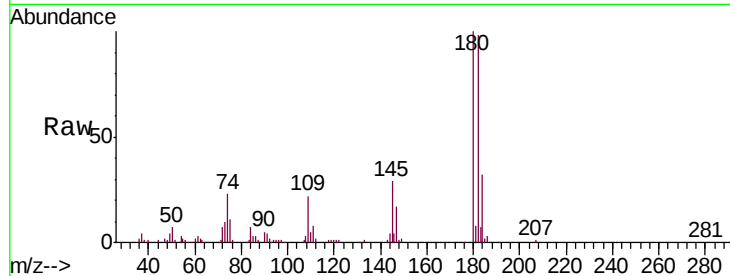




#93
 1,2,4-Trichlorobenzene
 Concen: 18.925 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

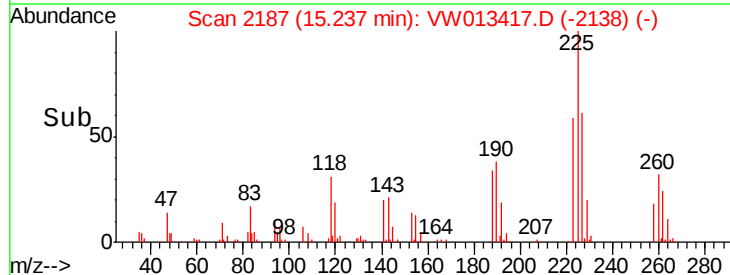
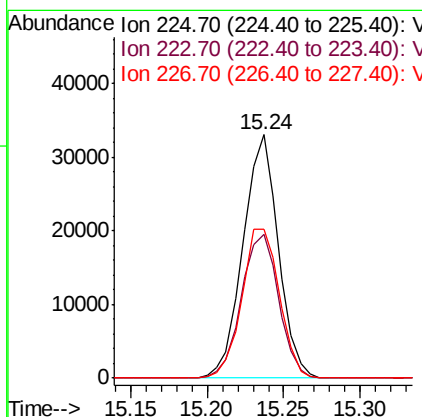
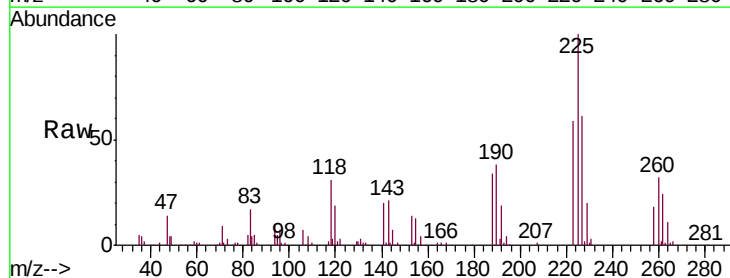
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67

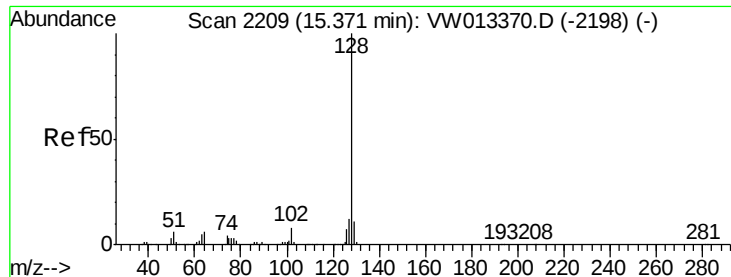
Tgt Ion:180 Resp: 75817
 Ion Ratio Lower Upper
 180 100
 182 99.0 47.3 142.0
 145 28.5 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 20.331 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013417.D
 Acq: 03 Oct 2019 13:35

Tgt Ion:225 Resp: 52911
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.6 91.8
 227 65.6 31.9 95.9

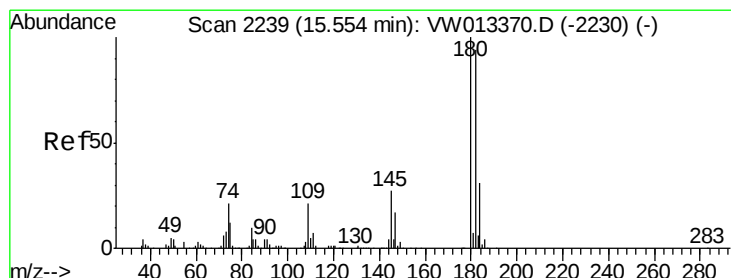
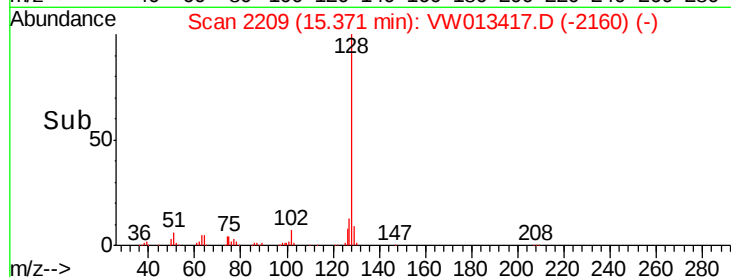
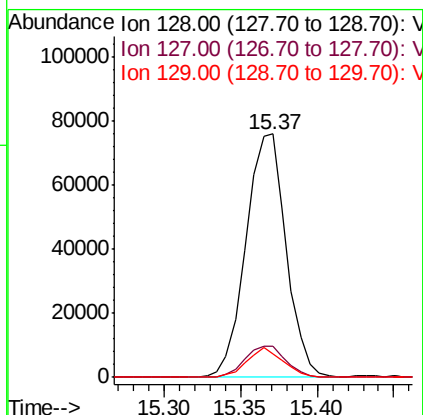
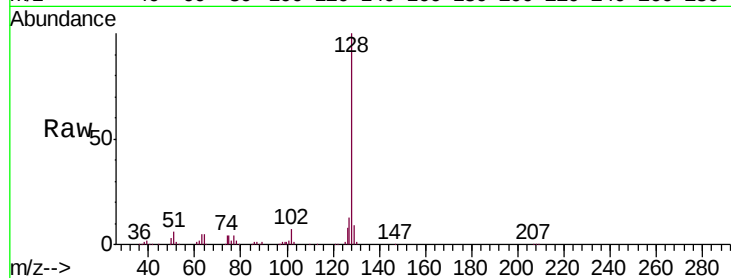




#95
Naphthalene
Concen: 20.548 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
30464-67

Tgt Ion:128 Resp: 138864
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.270 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013417.D
Acq: 03 Oct 2019 13:35

Tgt Ion:180 Resp: 67402
Ion Ratio Lower Upper
180 100
182 97.4 47.9 143.7
145 29.8 15.0 45.0

