

Data File : VW012417.D
Acq On : 31 Aug 2019 23:44
Operator : SY/VA
Sample : VW0831SBSD02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBSD02

Quant Time: Sep 01 03:36:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	187135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	308018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	128467	57.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.50%	
35) Dibromofluoromethane	7.88	113	96520	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.32	98	383555	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.62	95	138448	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	17851	15.492	ug/l	90
3) Chloromethane	2.21	50	32213	18.045	ug/l	97
4) Vinyl Chloride	2.35	62	36385	16.652	ug/l	96
5) Bromomethane	2.76	94	21305	19.253	ug/l	98
6) Chloroethane	2.92	64	22906	18.584	ug/l	98
7) Trichlorofluoromethane	3.25	101	19744	17.996	ug/l	91
8) Diethyl Ether	3.68	74	21304	20.457	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	34808	18.665	ug/l	99
10) Methyl Iodide	4.27	142	47718	18.911	ug/l	99
11) Tert butyl alcohol	5.16	59	17391	129.906	ug/l	100
12) 1,1-Dichloroethene	4.04	96	32683	17.412	ug/l	96
13) Acrolein	3.89	56	10222	81.115	ug/l	98
14) Allyl chloride	4.67	41	75544	18.825	ug/l	98
15) Acrylonitrile	5.36	53	59186	114.661	ug/l	98
16) Acetone	4.12	43	54245	95.393	ug/l	98
17) Carbon Disulfide	4.38	76	83173	14.662	ug/l	100
18) Methyl Acetate	4.67	43	38397	27.262	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	69260	22.817	ug/l	97
20) Methylene Chloride	4.91	84	45356	21.099	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	37343	18.552	ug/l	96
22) Diisopropyl ether	6.31	45	159998	21.510	ug/l	99
23) Vinyl Acetate	6.25	43	463993	101.362	ug/l	100
24) 1,1-Dichloroethane	6.21	63	81197	20.049	ug/l	99
25) 2-Butanone	7.16	43	82799	107.152	ug/l	99
26) 2,2-Dichloropropane	7.16	77	44243	19.300	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	42786	19.895	ug/l	98
28) Bromochloromethane	7.51	49	39665	22.471	ug/l	99
29) Tetrahydrofuran	7.52	42	54204	116.919	ug/l	100
30) Chloroform	7.67	83	77473	20.909	ug/l	100
31) Cyclohexane	7.95	56	66404	16.572	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	60426	20.615	ug/l	98
36) 1,1-Dichloropropene	8.08	75	57179	17.964	ug/l	99
37) Ethyl Acetate	7.25	43	38134	21.863	ug/l	99
38) Carbon Tetrachloride	8.07	117	52447	19.037	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	57100	15.968	ug/l	98
40) Benzene	8.32	78	166957	19.209	ug/l	98
41) Methacrylonitrile	7.48	41	23048	22.483	ug/l	97
42) 1,2-Dichloroethane	8.40	62	58397	21.438	ug/l	100
43) Isopropyl Acetate	8.42	43	69611	21.545	ug/l	98
44) Trichloroethene	9.09	130	40445	19.142	ug/l	99
45) 1,2-Dichloropropane	9.37	63	47531	20.320	ug/l	99
46) Dibromomethane	9.46	93	22120	21.254	ug/l	96
47) Bromodichloromethane	9.64	83	56740	20.485	ug/l	98
48) Methyl methacrylate	9.43	41	33066	21.503	ug/l	96
49) 1,4-Dioxane	9.44	88	7458	468.096	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	186162	113.284	ug/l	98
52) Toluene	10.39	92	99879	19.129	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	55560	19.692	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	64731	19.001	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	31056	21.090	ug/l	99
56) Ethyl methacrylate	10.65	69	45170	21.077	ug/l	99
57) 1,3-Dichloropropane	10.93	76	58829	21.141	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	120977	109.989	ug/l	99
59) 2-Hexanone	10.97	43	125021	107.521	ug/l	99
60) Dibromochloromethane	11.13	129	34788	21.210	ug/l	99
61) 1,2-Dibromoethane	11.24	107	29104	21.215	ug/l	99
64) Tetrachloroethene	10.86	164	35004	19.716	ug/l	98
65) Chlorobenzene	11.66	112	105548	19.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	37730	20.057	ug/l	99
67) Ethyl Benzene	11.73	91	194746	18.749	ug/l	99
68) m/p-Xylenes	11.83	106	142039	37.963	ug/l	100
69) o-Xylene	12.16	106	65795	19.000	ug/l	98
70) Styrene	12.18	104	117890	19.668	ug/l	100
71) Bromoform	12.35	173	19687	21.006	ug/l #	98
73) Isopropylbenzene	12.46	105	186692	18.428	ug/l	100
74) N-amyl acetate	12.27	43	61449	20.076	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	38178	20.555	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	49880	37.880	ug/l #	100
77) Bromobenzene	12.74	156	43021	19.629	ug/l	99
78) n-propylbenzene	12.80	91	226455	18.310	ug/l	100
79) 2-Chlorotoluene	12.89	91	133074	18.951	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	161183	19.040	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10957	18.244	ug/l	94
82) 4-Chlorotoluene	12.99	91	140244	19.075	ug/l	100
83) tert-Butylbenzene	13.21	119	136424	19.024	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	163903	19.274	ug/l	98
85) sec-Butylbenzene	13.38	105	189756	18.470	ug/l	100
86) p-Isopropyltoluene	13.49	119	171941	18.740	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	83004	19.362	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	82628	19.411	ug/l	99
89) n-Butylbenzene	13.82	91	164513	18.031	ug/l	100
90) Hexachloroethane	14.09	117	30662	19.048	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	73731	19.605	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6879	21.969	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW083119\
Quantitation Report (Not Reviewed)

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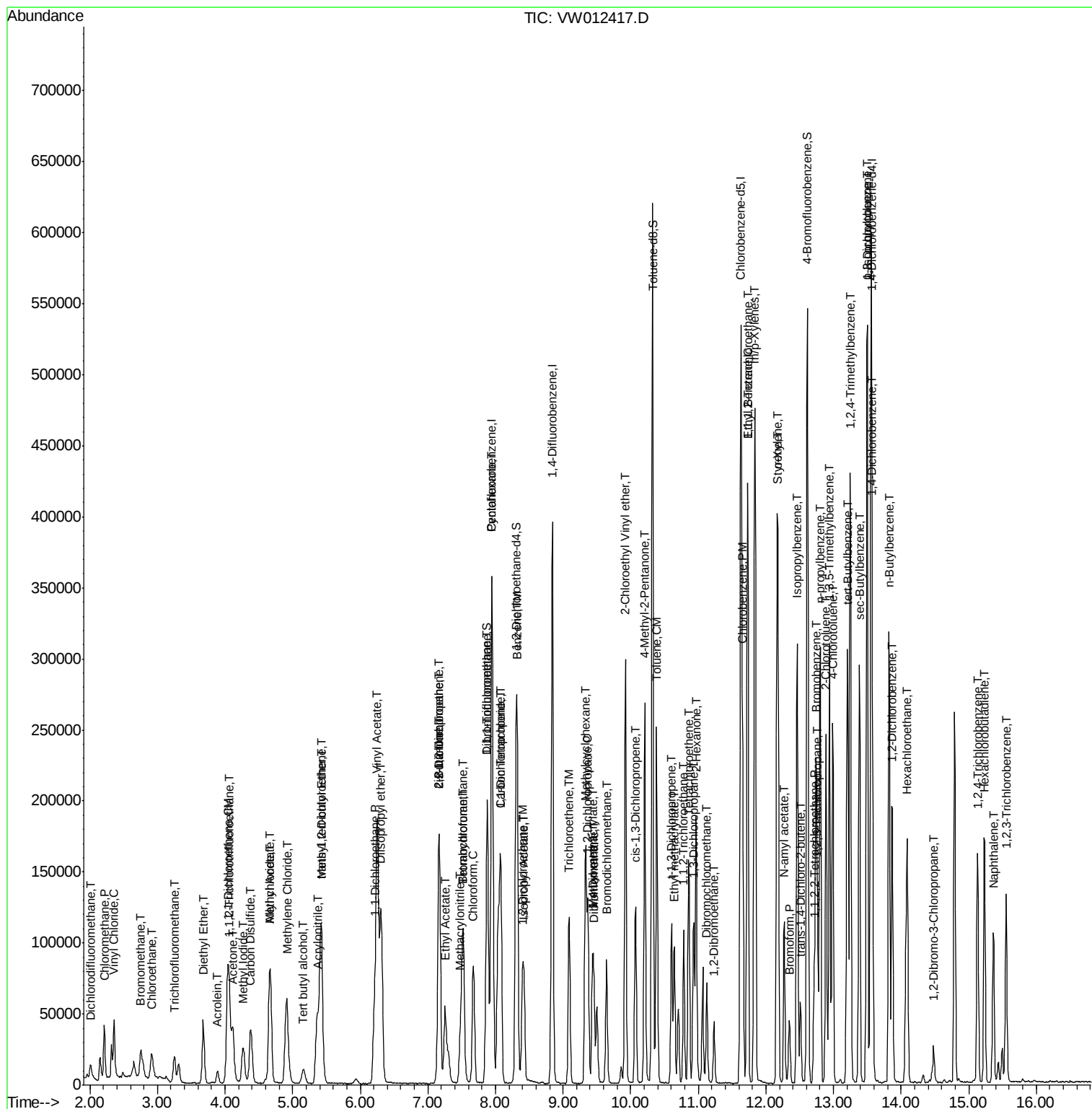
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	50247	19.334	ug/l	100
94) Hexachlorobutadiene	15.24	225	34209	19.934	ug/l	99
95) Naphthalene	15.36	128	87647	20.022	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	44327	19.549	ug/l	98

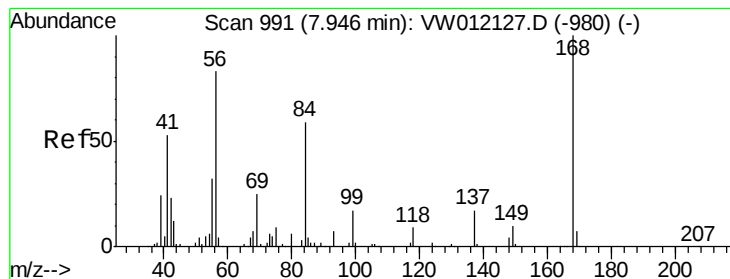
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

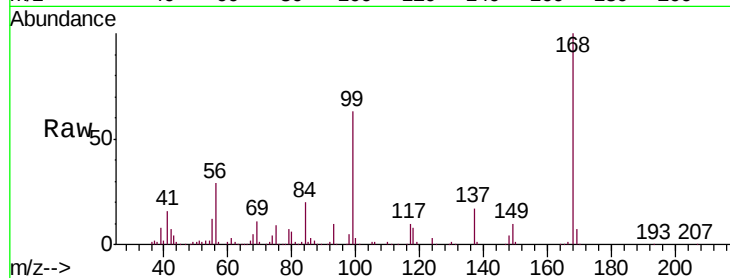
VW0831SBS02

Tgt Ion:168 Resp: 187135

Ion Ratio Lower Upper

168 100

99 62.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

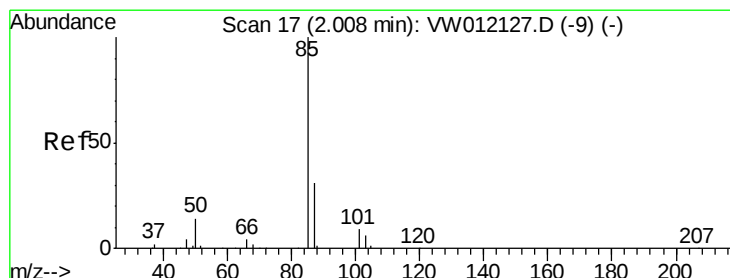
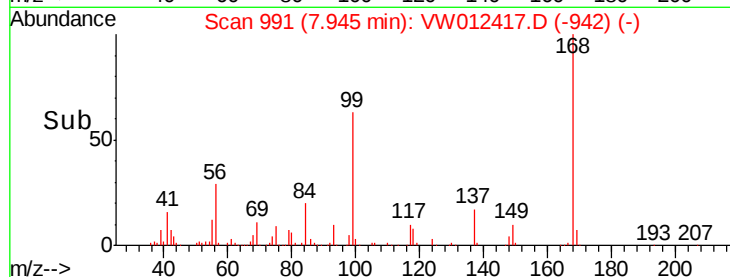
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 15.492 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW012417.D

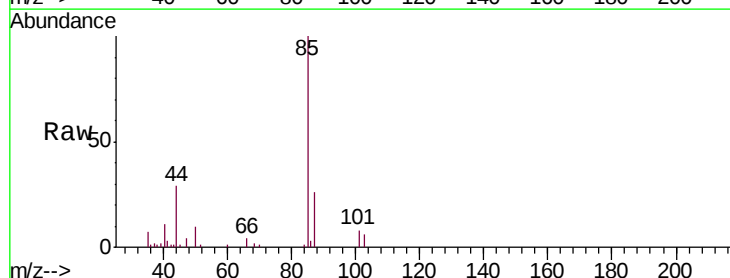
Acq: 31 Aug 2019 23:44

Tgt Ion: 85 Resp: 17851

Ion Ratio Lower Upper

85 100

87 25.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

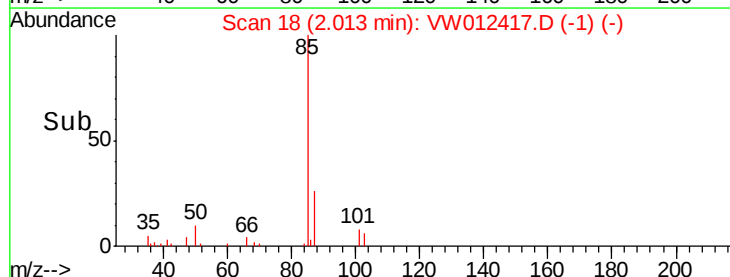
4000

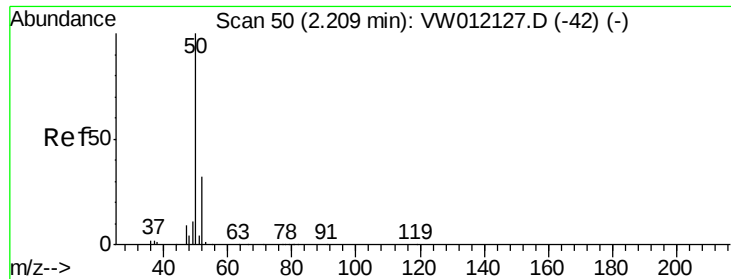
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 18.045 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

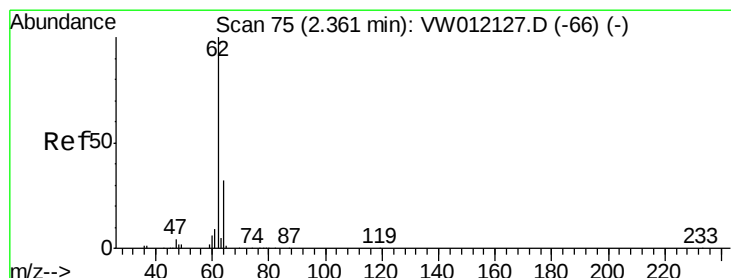
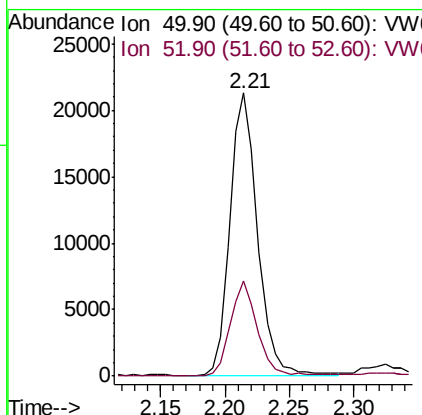
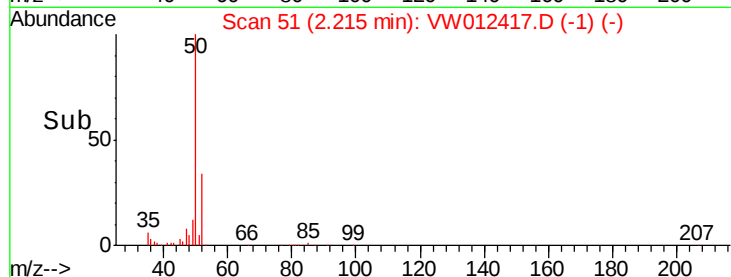
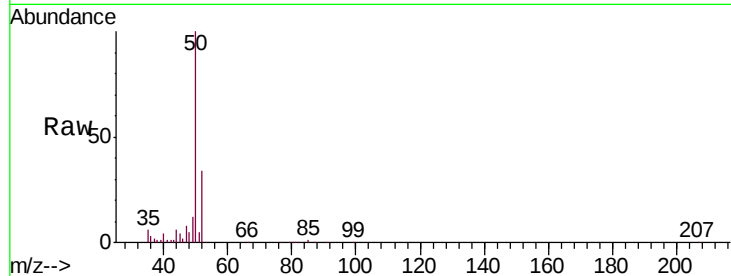
VW0831SBS02

Tgt Ion: 50 Resp: 32213

Ion Ratio Lower Upper

50 100

52 33.8 25.5 38.3



#4

Vinyl Chloride

Concen: 16.652 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012417.D

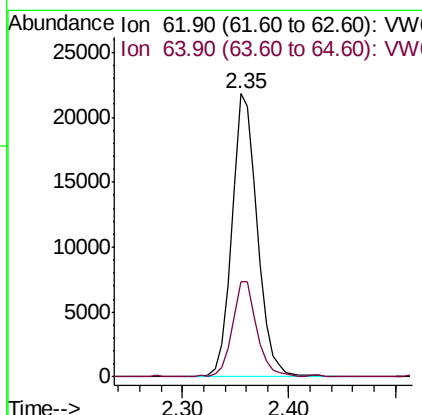
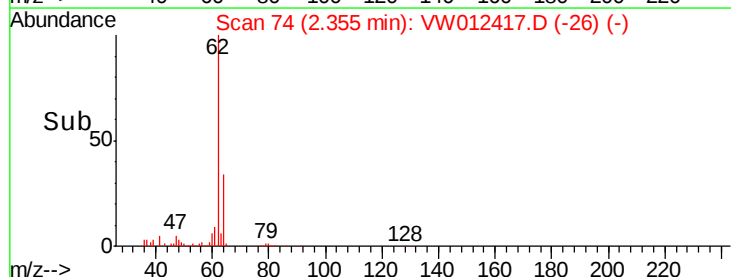
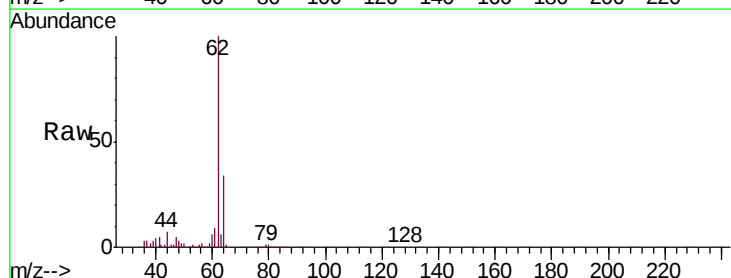
Acq: 31 Aug 2019 23:44

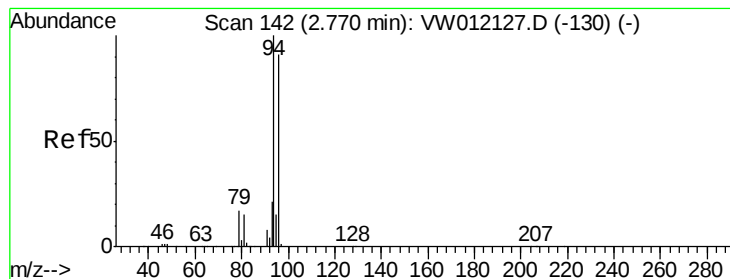
Tgt Ion: 62 Resp: 36385

Ion Ratio Lower Upper

62 100

64 33.6 25.3 37.9





#5

Bromomethane

Concen: 19.253 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

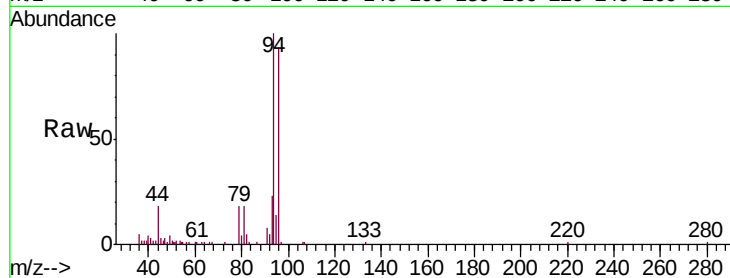
VW0831SBS02

Tgt Ion: 94 Resp: 21305

Ion Ratio Lower Upper

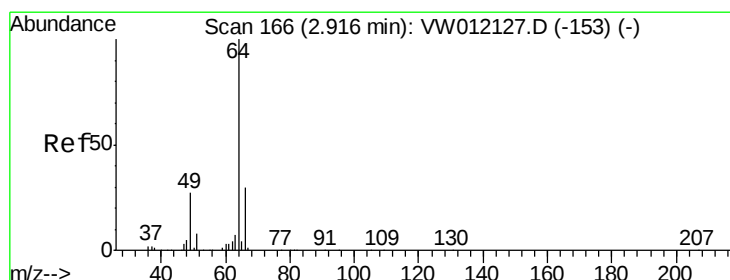
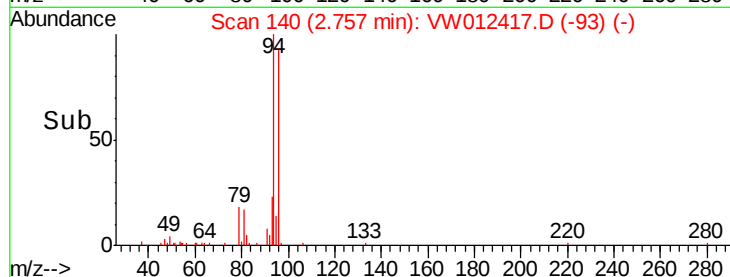
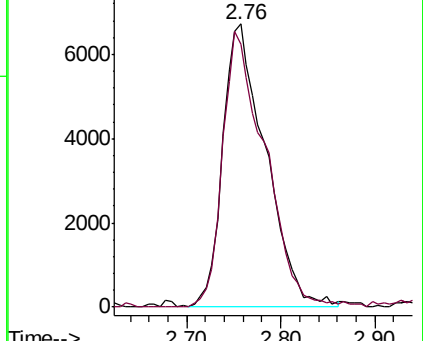
94 100

96 92.9 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.584 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012417.D

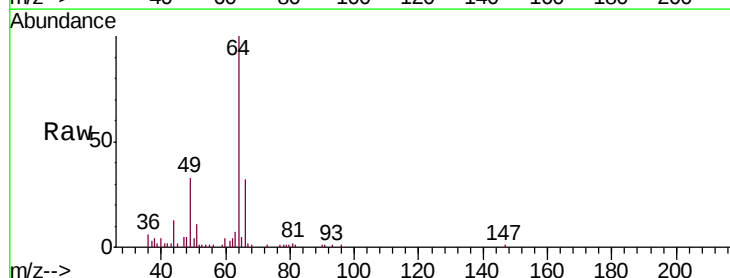
Acq: 31 Aug 2019 23:44

Tgt Ion: 64 Resp: 22906

Ion Ratio Lower Upper

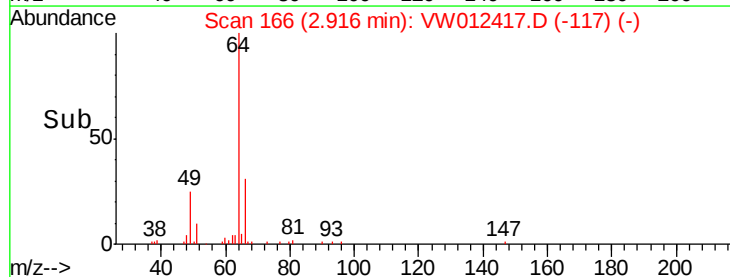
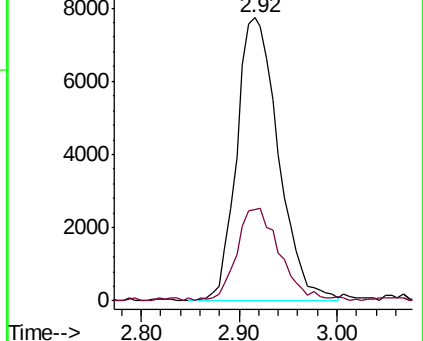
64 100

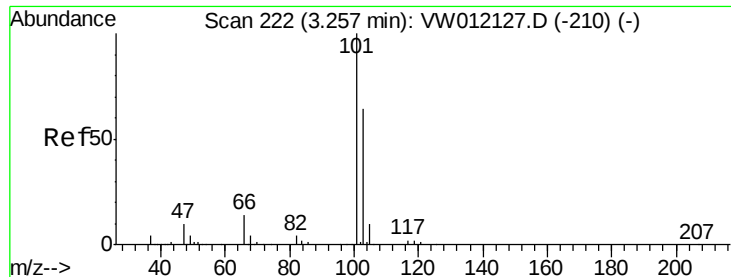
66 31.0 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



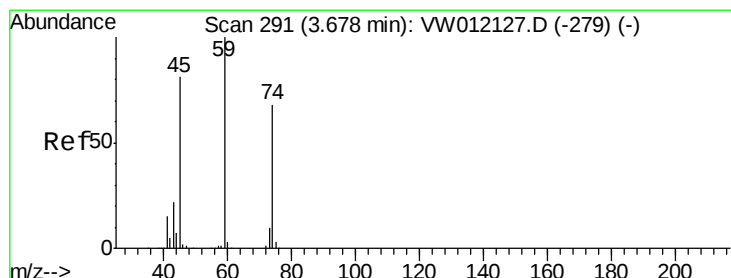
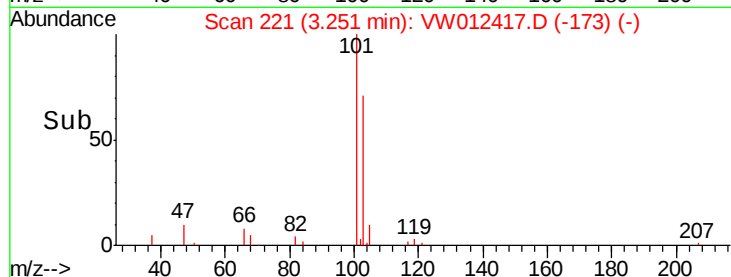
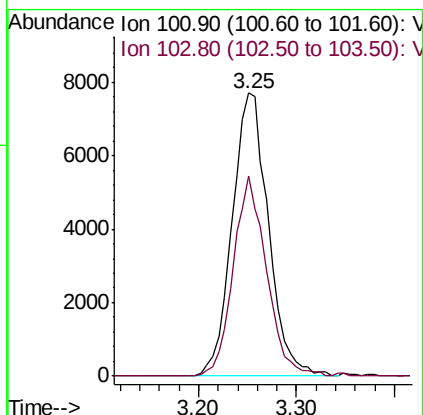
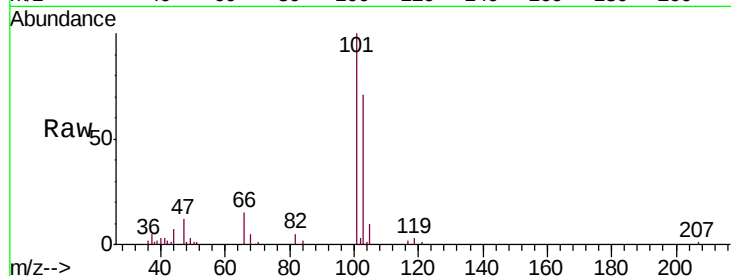


#7

Trichlorofluoromethane
 Concen: 17.996 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
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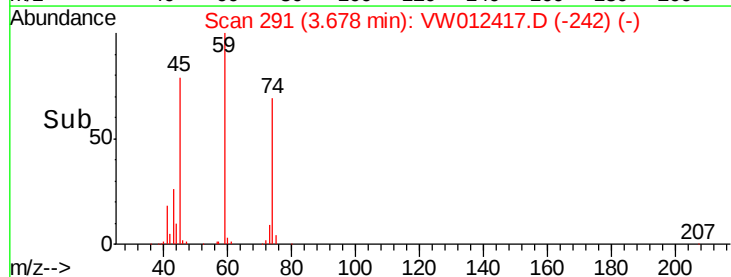
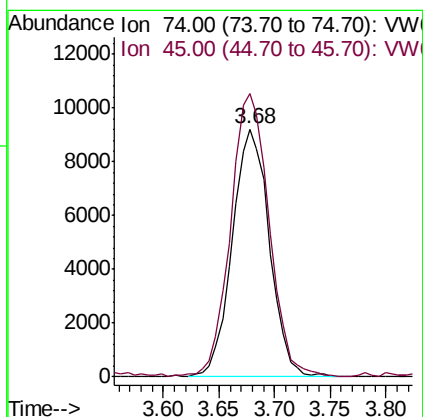
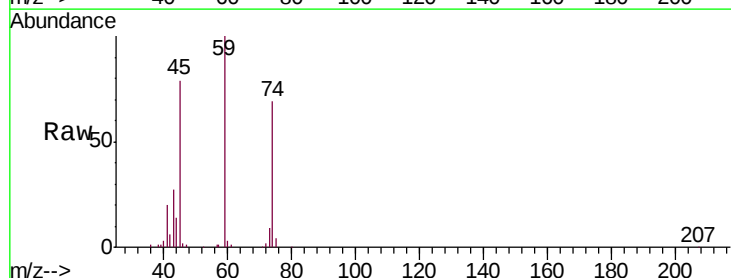
Tgt Ion:101 Resp: 19744
 Ion Ratio Lower Upper
 101 100
 103 70.7 51.2 76.8

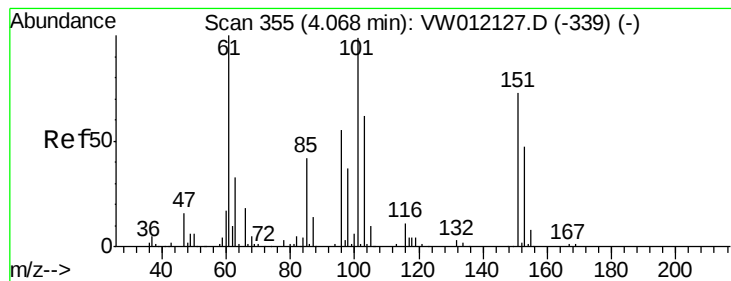


#8

Diethyl Ether
 Concen: 20.457 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion: 74 Resp: 21304
 Ion Ratio Lower Upper
 74 100
 45 119.3 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.665 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW012417.D

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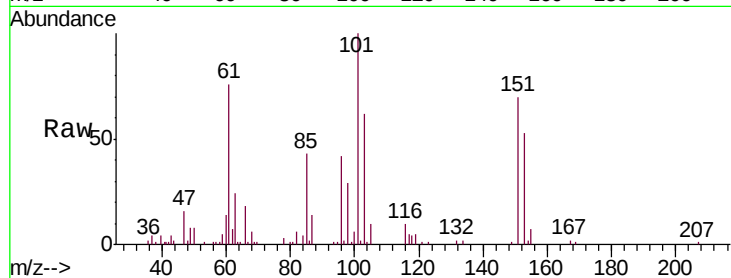
Tgt Ion:101 Resp: 34808

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.6

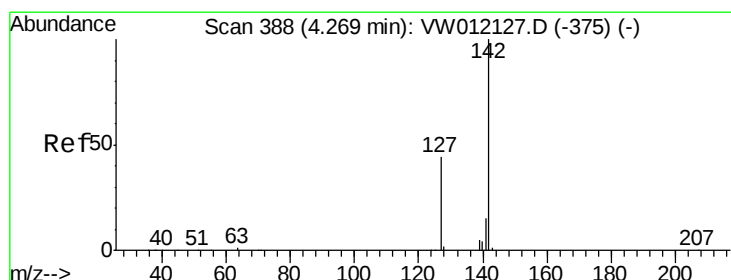
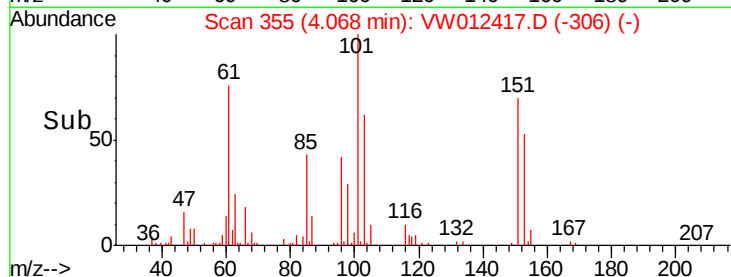
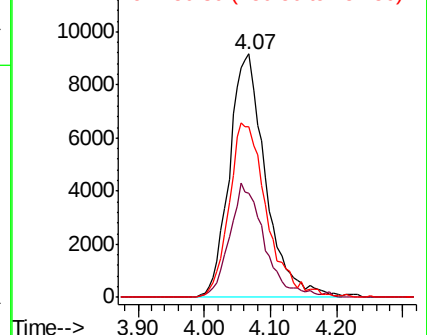
151 74.7 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.911 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

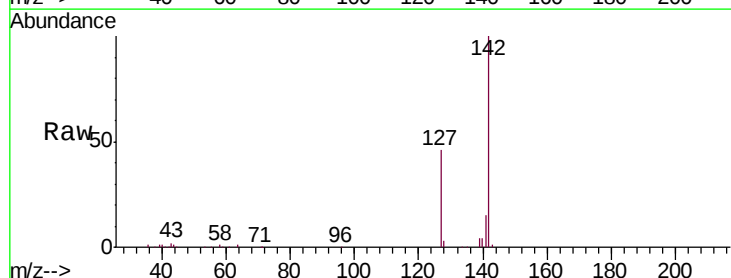
Tgt Ion:142 Resp: 47718

Ion Ratio Lower Upper

142 100

127 45.5 35.5 53.3

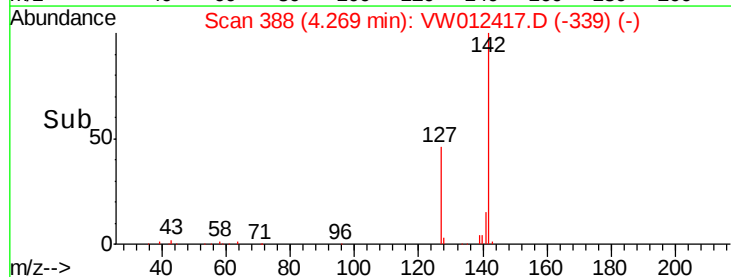
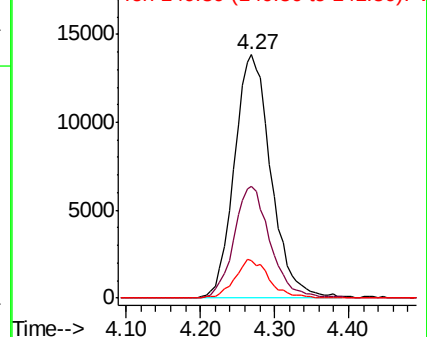
141 14.7 11.8 17.8

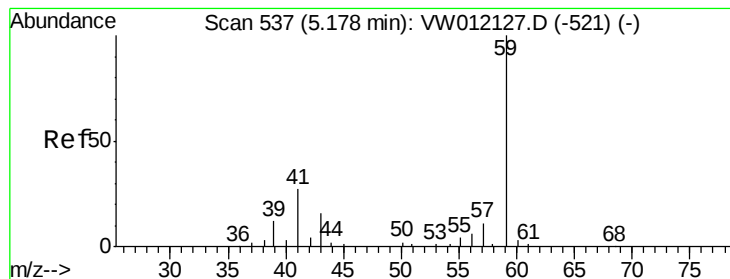


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



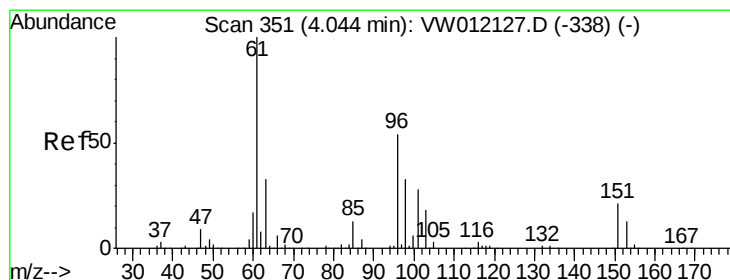
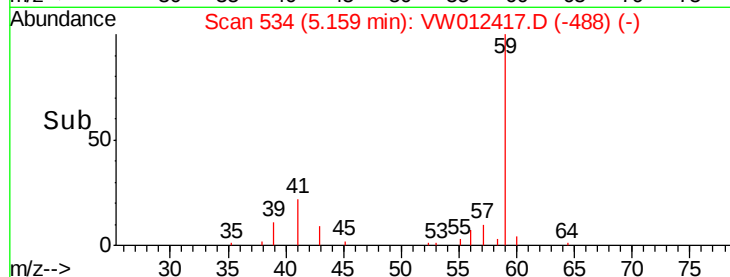
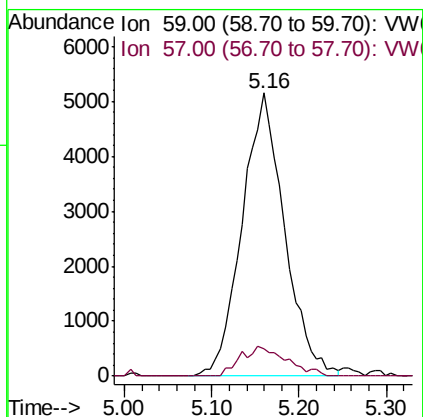
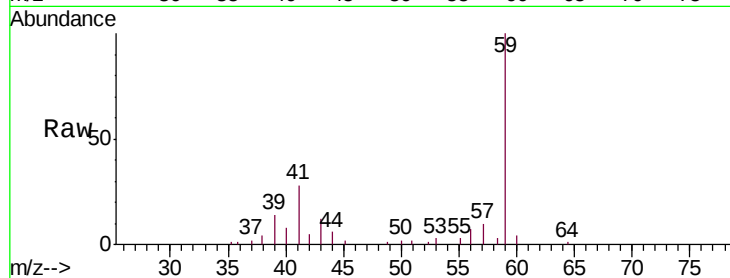


#11

Tert butyl alcohol
 Concen: 129.906 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

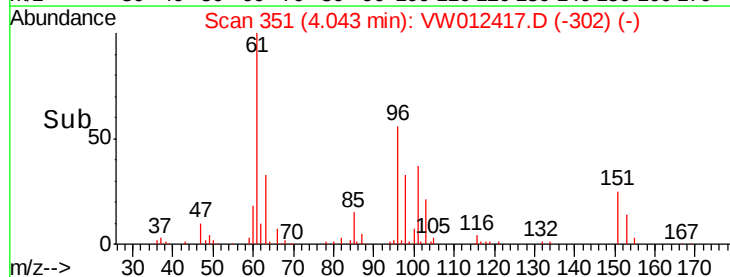
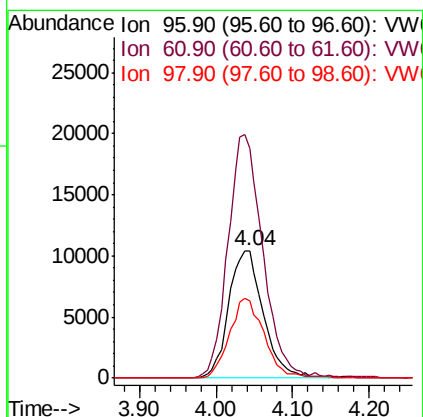
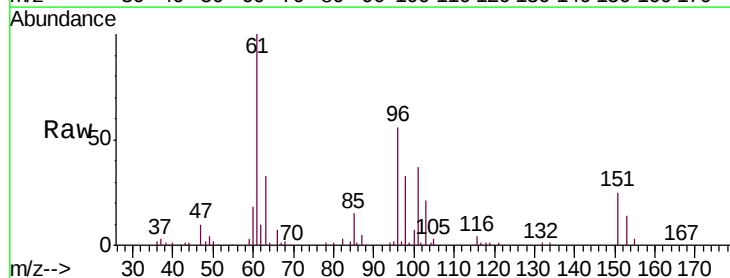
Tgt Ion: 59 Resp: 17391
 Ion Ratio Lower Upper
 59 100
 57 11.4 9.0 13.4

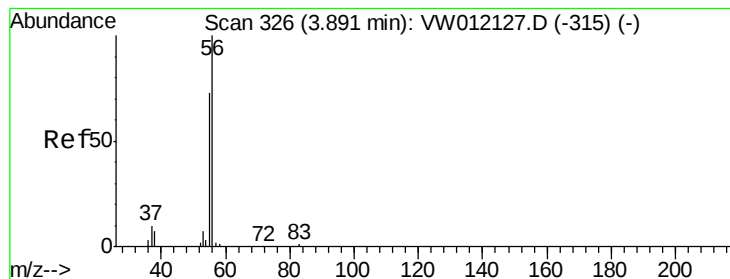


#12

1,1-Dichloroethene
 Concen: 17.412 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion: 96 Resp: 32683
 Ion Ratio Lower Upper
 96 100
 61 179.8 149.1 223.7
 98 60.2 49.4 74.2





#13

Acrolein

Concen: 81.115 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

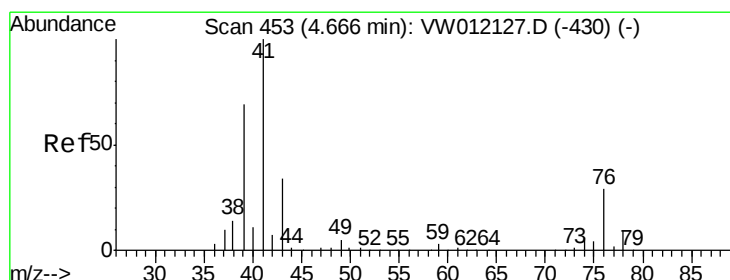
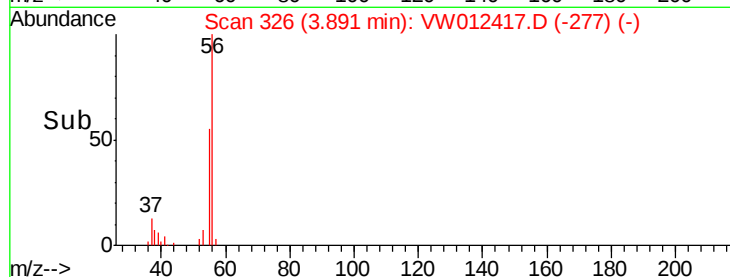
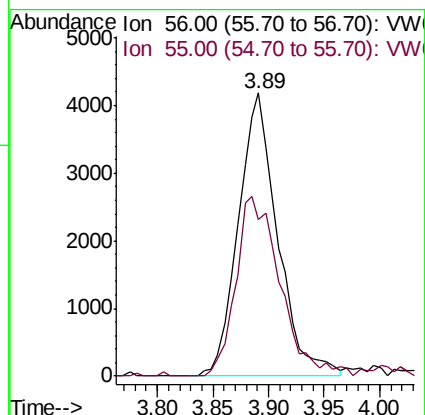
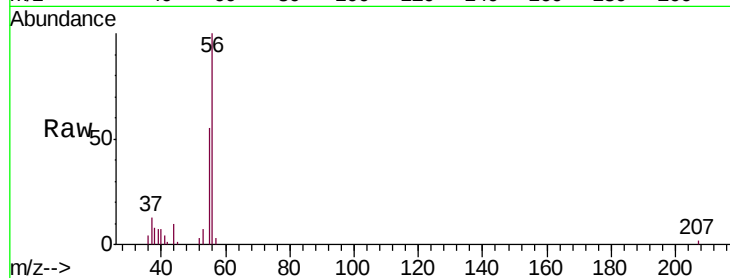
VW0831SBS02

Tgt Ion: 56 Resp: 10222

Ion Ratio Lower Upper

56 100

55 71.6 55.8 83.8



#14

Allyl chloride

Concen: 18.825 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

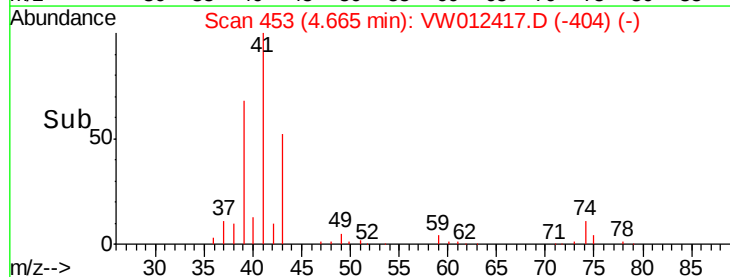
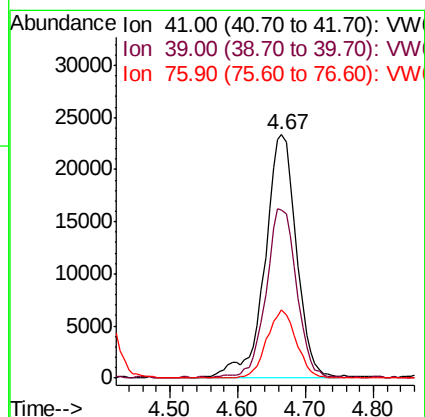
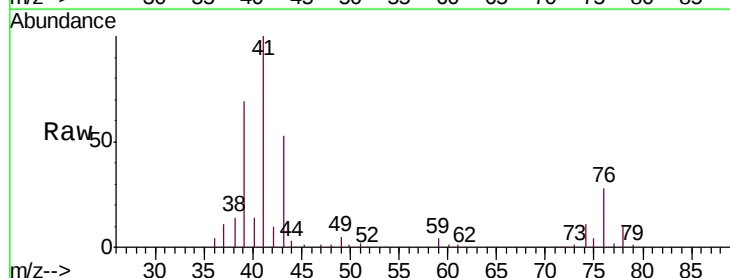
Tgt Ion: 41 Resp: 75544

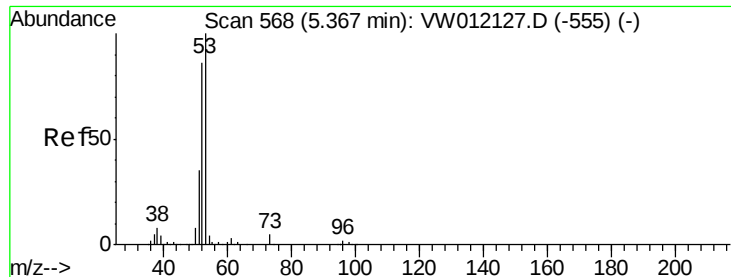
Ion Ratio Lower Upper

41 100

39 67.7 53.4 80.2

76 26.0 22.1 33.1





#15

Acrylonitrile

Concen: 114.661 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBSD02

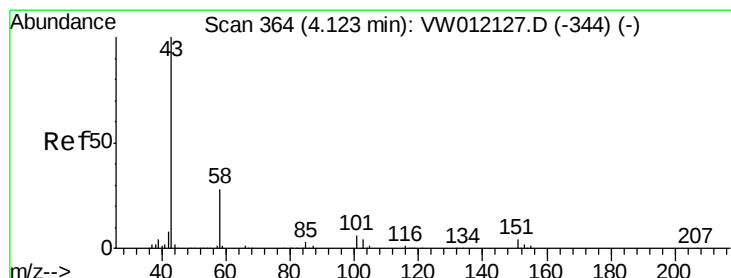
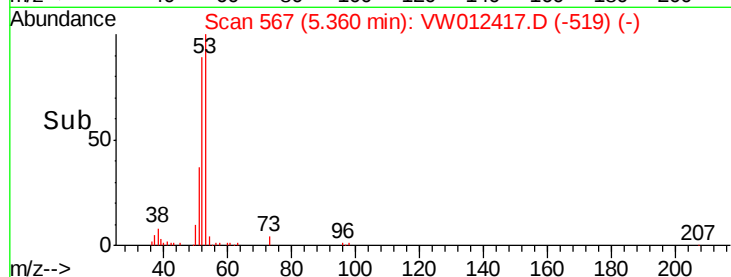
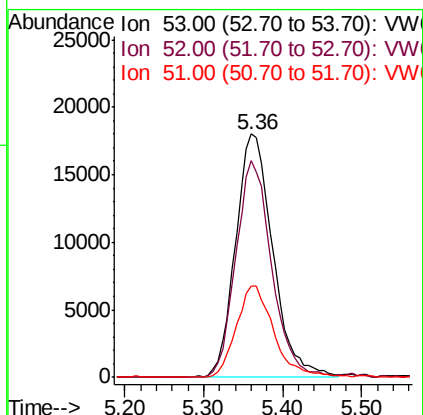
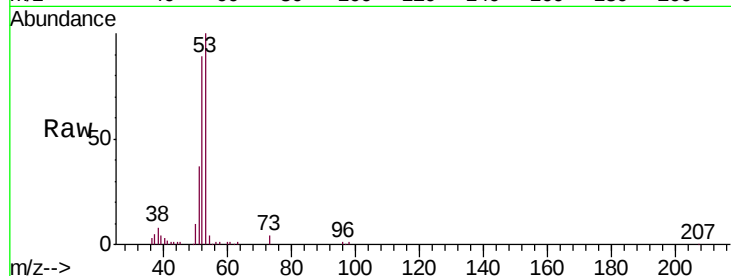
Tgt Ion: 53 Resp: 59186

Ion Ratio Lower Upper

53 100

52 85.6 66.7 100.1

51 38.0 30.1 45.1



#16

Acetone

Concen: 95.393 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012417.D

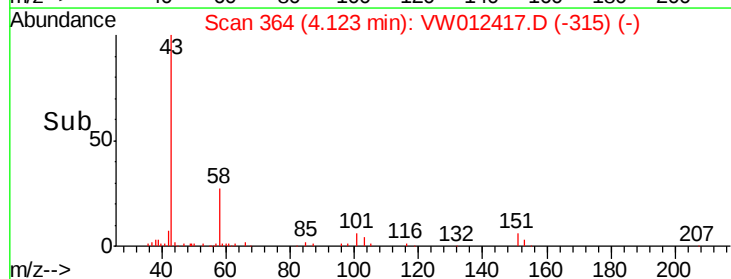
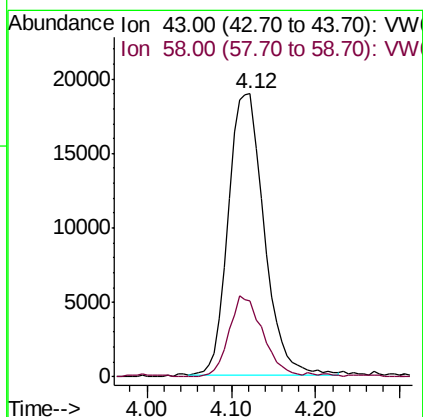
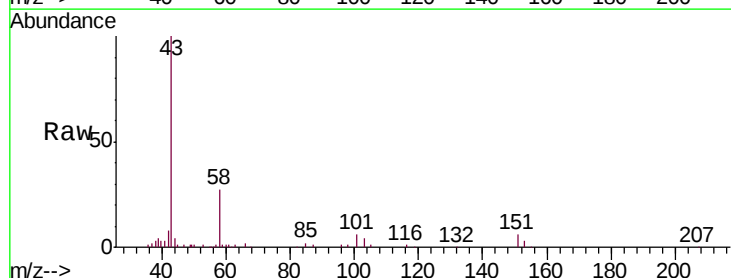
Acq: 31 Aug 2019 23:44

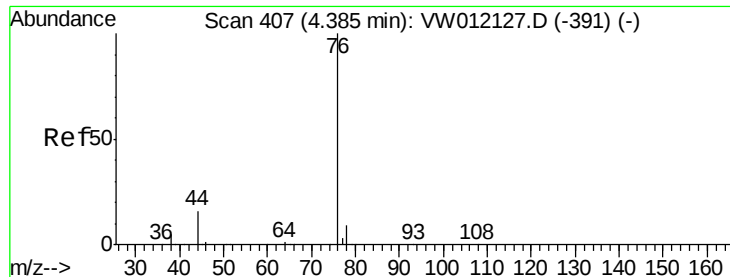
Tgt Ion: 43 Resp: 54245

Ion Ratio Lower Upper

43 100

58 26.9 22.4 33.6





#17

Carbon Disulfide

Concen: 14.662 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

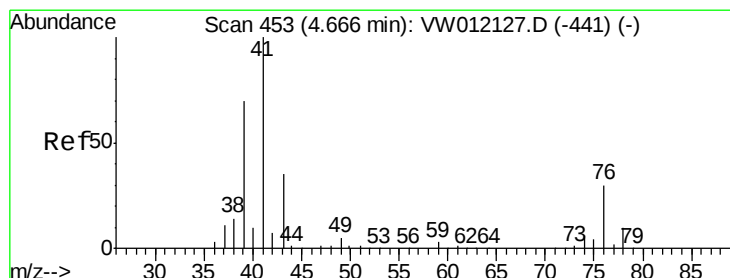
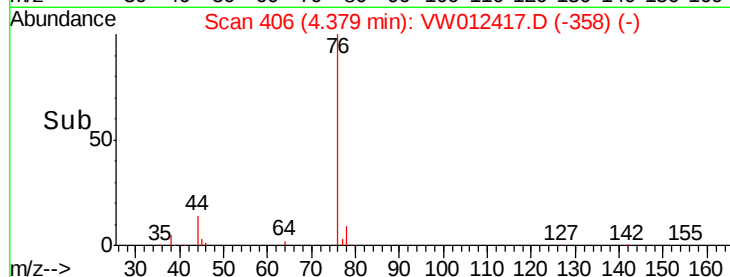
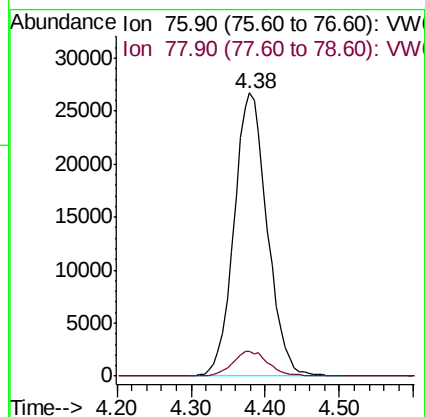
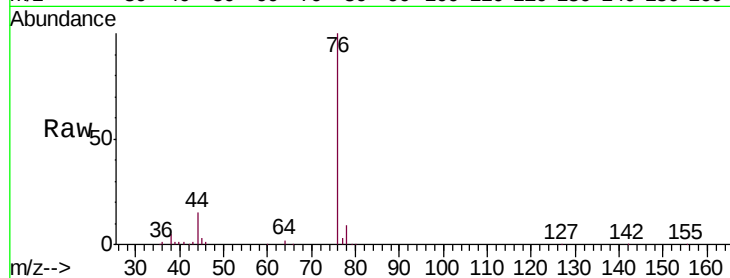
VW0831SBSD02

Tgt Ion: 76 Resp: 83173

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



#18

Methyl Acetate

Concen: 27.262 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012417.D

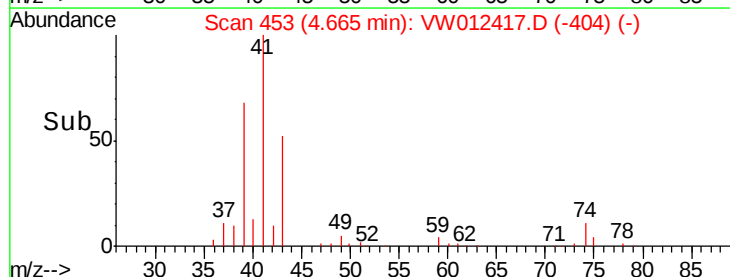
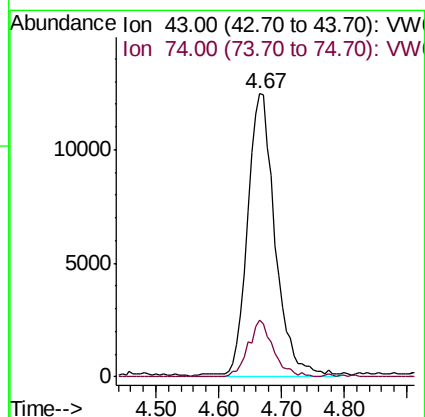
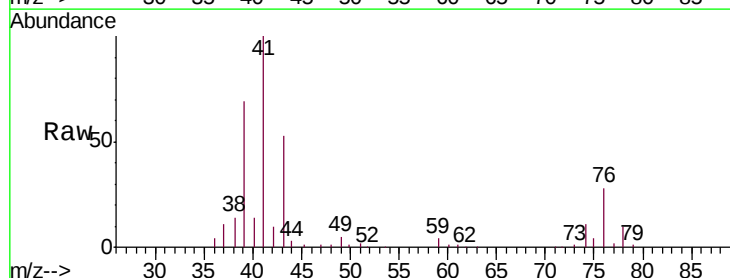
Acq: 31 Aug 2019 23:44

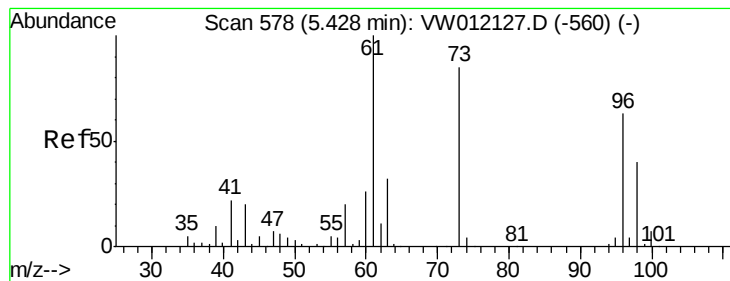
Tgt Ion: 43 Resp: 38397

Ion Ratio Lower Upper

43 100

74 17.9 15.7 23.5





#19

Methyl tert-butyl Ether

Concen: 22.817 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

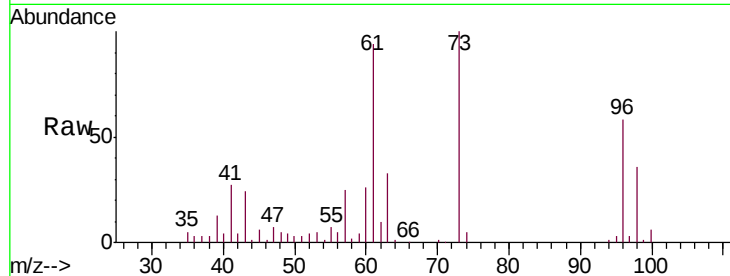
VW0831SBSD02

Tgt Ion: 73 Resp: 69260

Ion Ratio Lower Upper

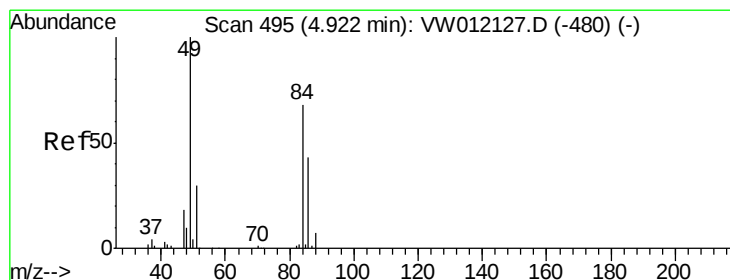
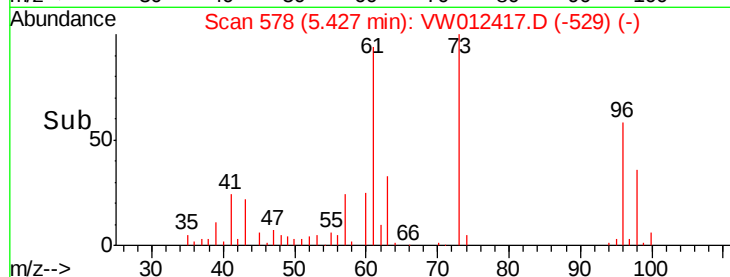
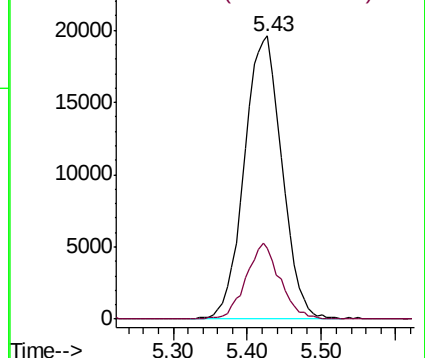
73 100

57 25.1 18.9 28.3



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 21.099 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion: 84 Resp: 45356

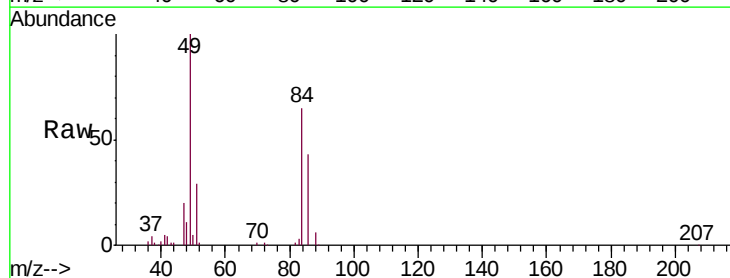
Ion Ratio Lower Upper

84 100

49 153.7 117.8 176.8

51 45.0 35.6 53.4

86 66.7 51.2 76.8

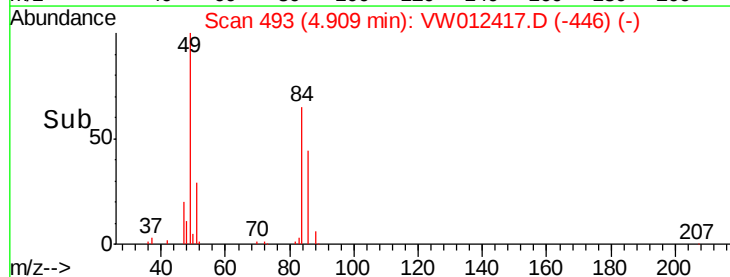
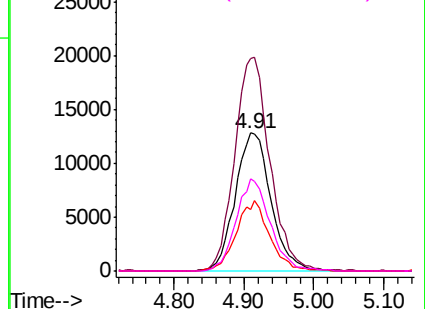


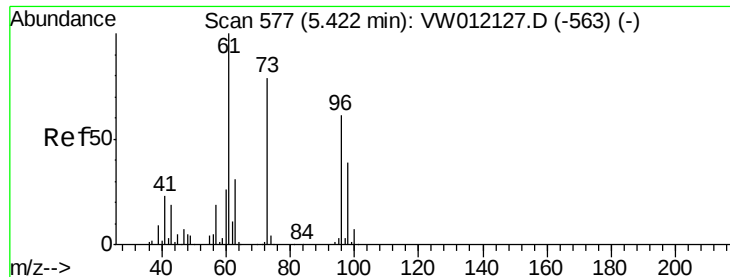
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 18.552 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

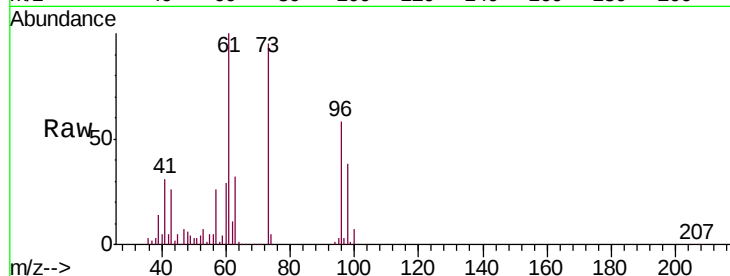
Tgt Ion: 96 Resp: 37343

Ion Ratio Lower Upper

96 100

61 171.3 131.4 197.0

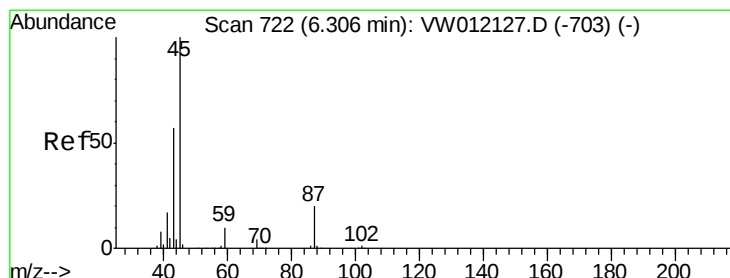
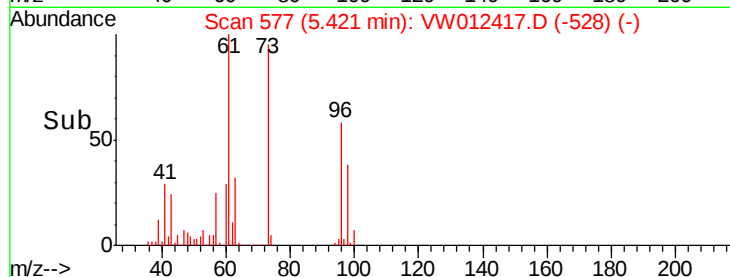
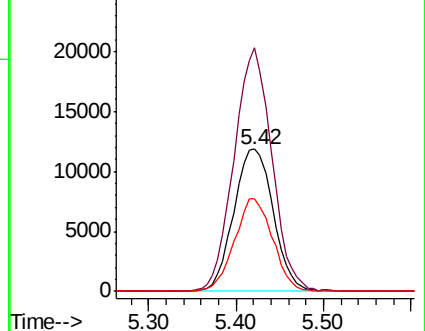
98 65.1 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.510 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion: 45 Resp: 159998

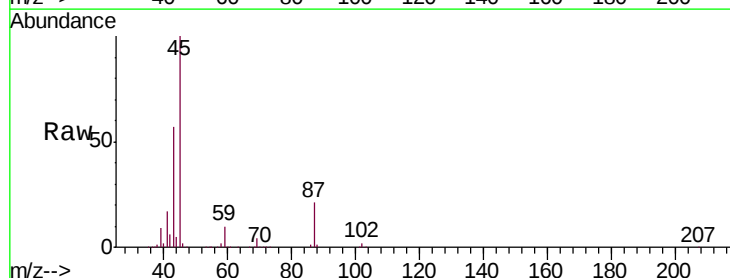
Ion Ratio Lower Upper

45 100

43 56.3 45.5 68.3

87 21.0 16.1 24.1

59 9.4 8.2 12.2

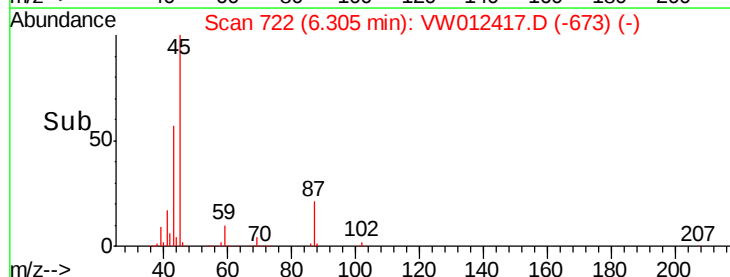
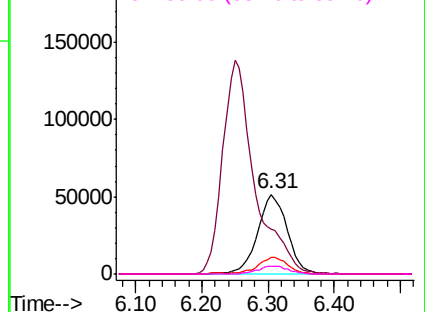


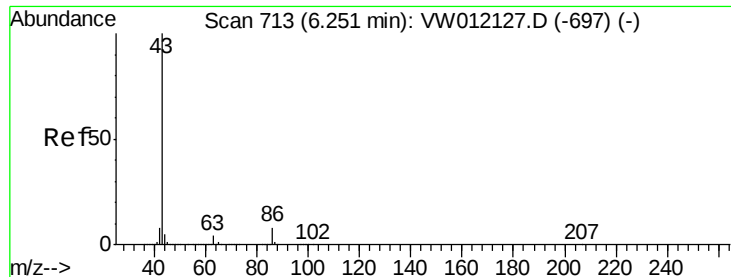
Abundance Ion 45.00 (44.70 to 45.70): VW

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

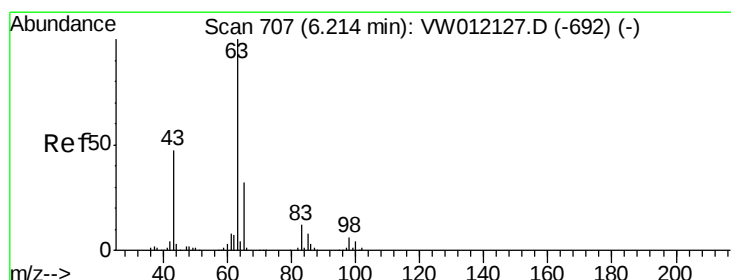
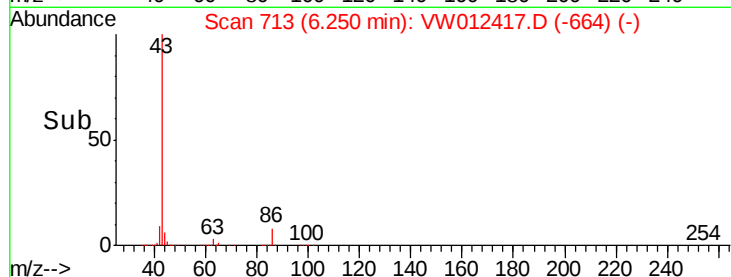
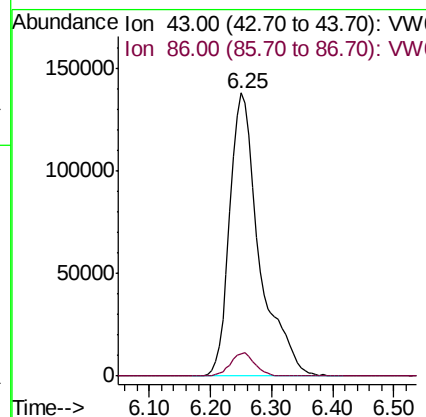
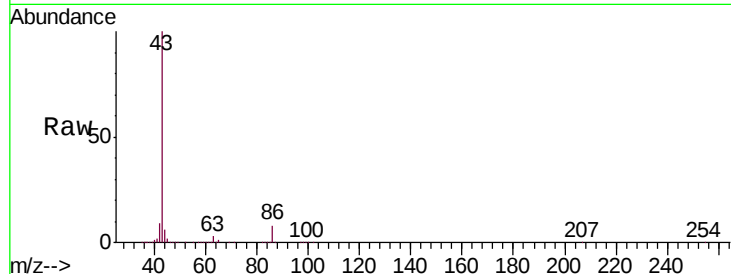




#23
 Vinyl Acetate
 Concen: 101.362 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

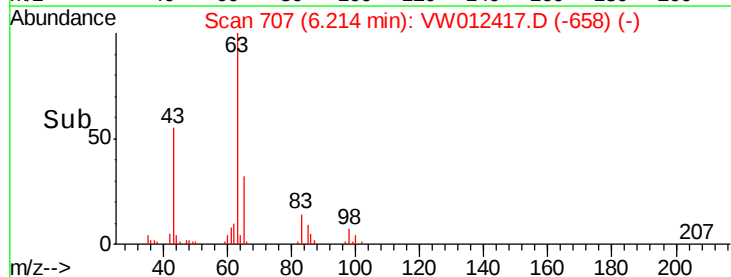
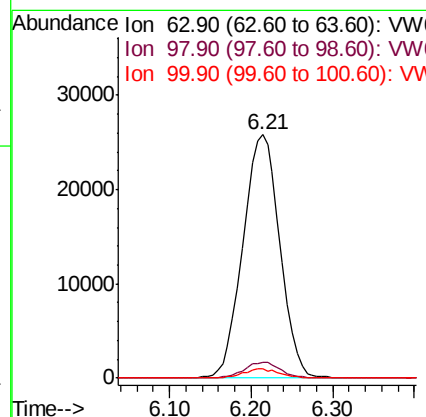
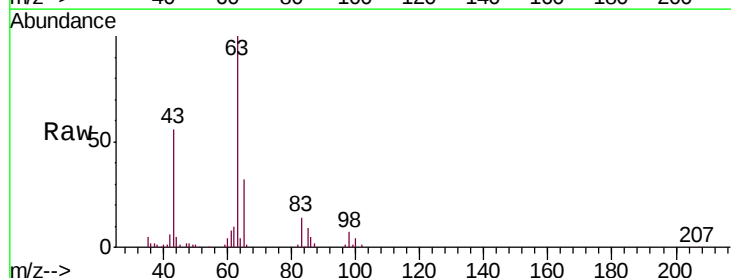
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

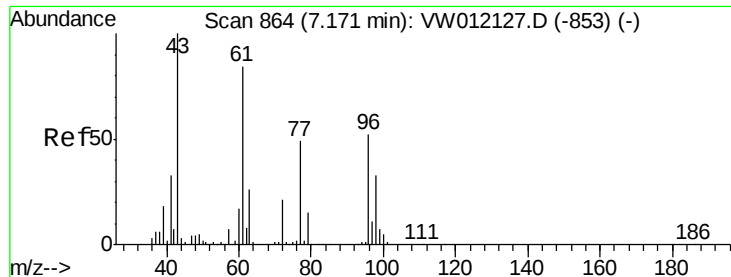
Tgt Ion: 43 Resp: 463993
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 20.049 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion: 63 Resp: 81197
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.0 9.2
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 107.152 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleID :

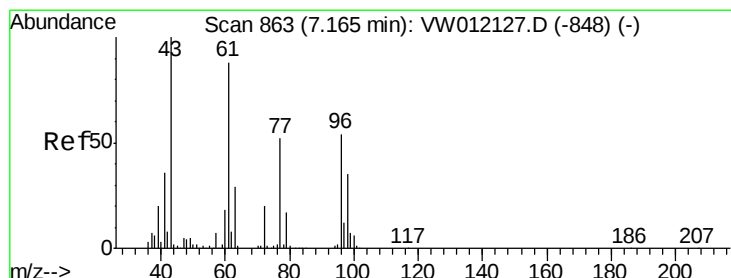
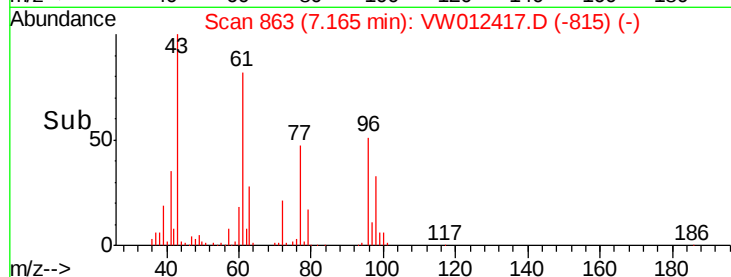
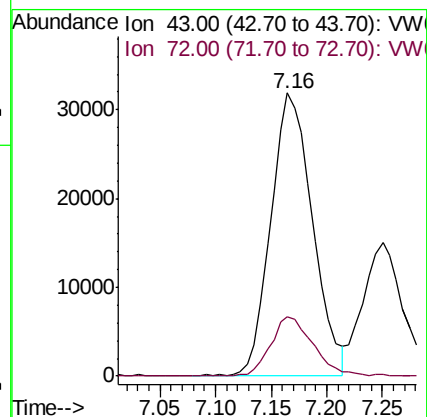
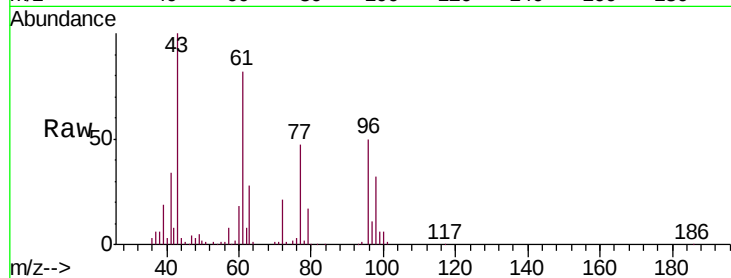
VW0831SBS02

Tgt Ion: 43 Resp: 82799

Ion Ratio Lower Upper

43 100

72 21.2 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.300 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012417.D

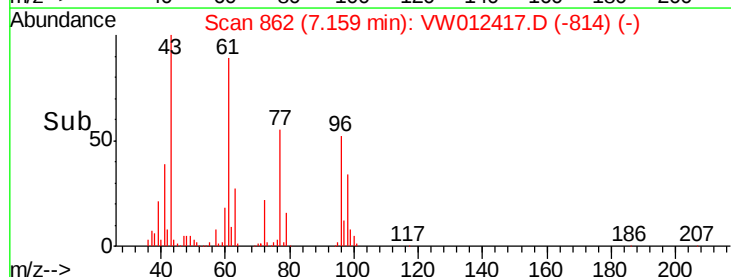
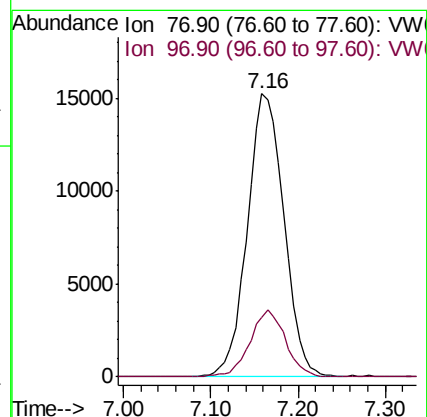
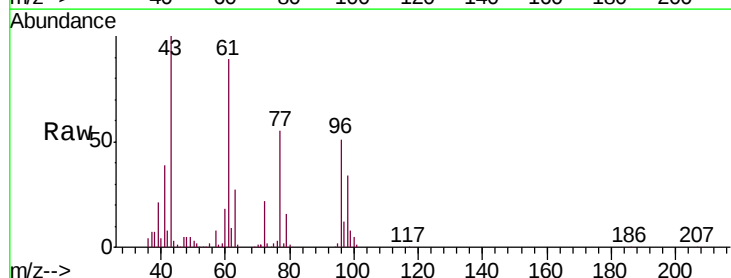
Acq: 31 Aug 2019 23:44

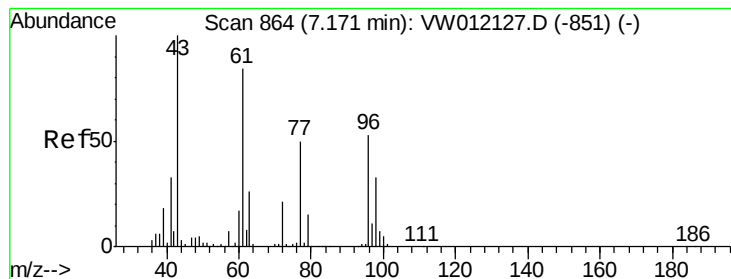
Tgt Ion: 77 Resp: 44243

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.1



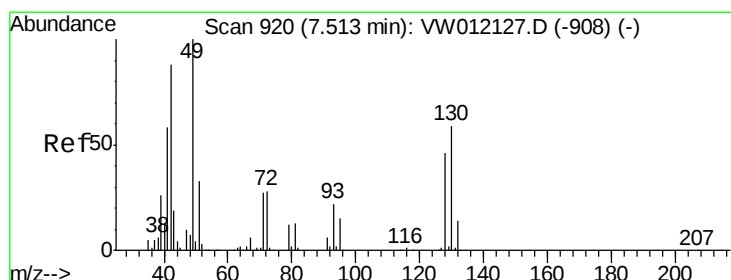
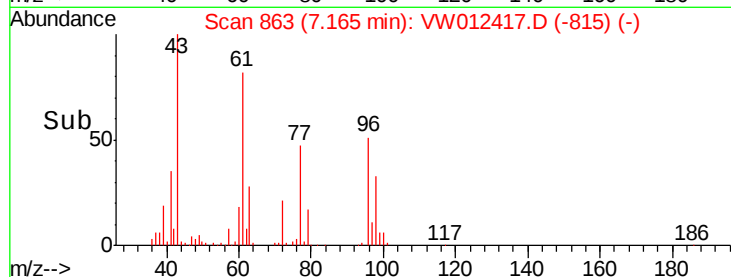
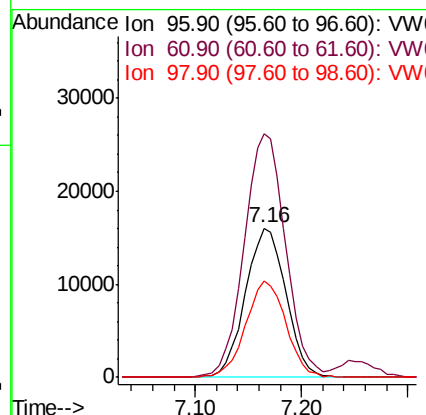
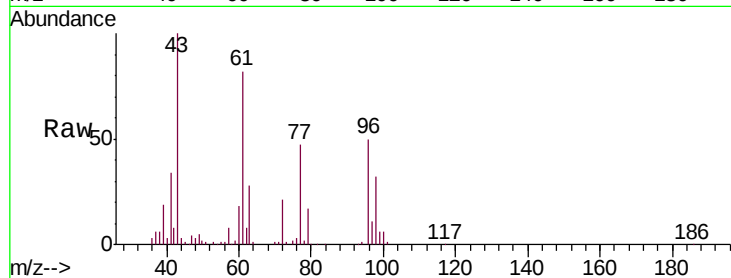


#27

cis-1,2-Dichloroethene
 Concen: 19.895 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

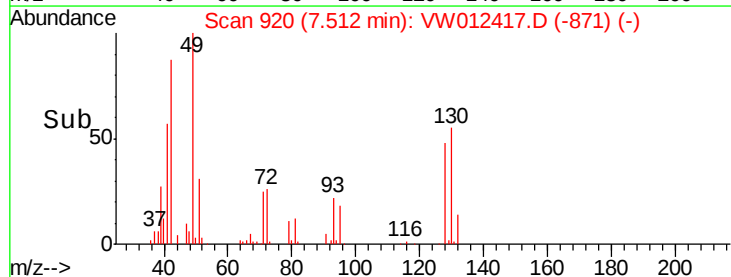
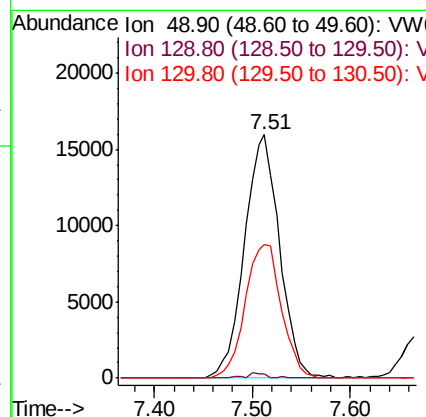
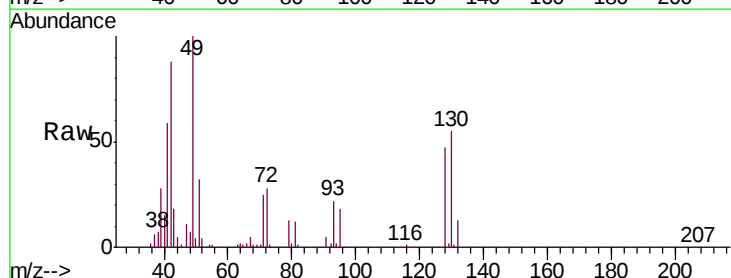
Tgt Ion: 96 Resp: 42786
 Ion Ratio Lower Upper
 96 100
 61 166.0 0.0 326.6
 98 64.3 0.0 127.4

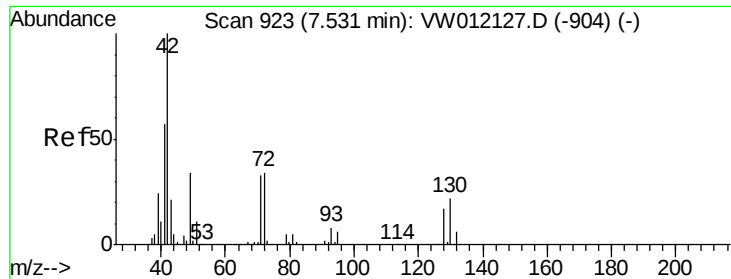


#28

Bromochloromethane
 Concen: 22.471 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion: 49 Resp: 39665
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 1.4
 130 56.4 45.5 68.3

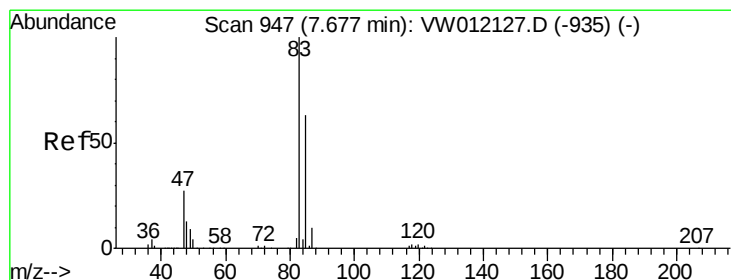
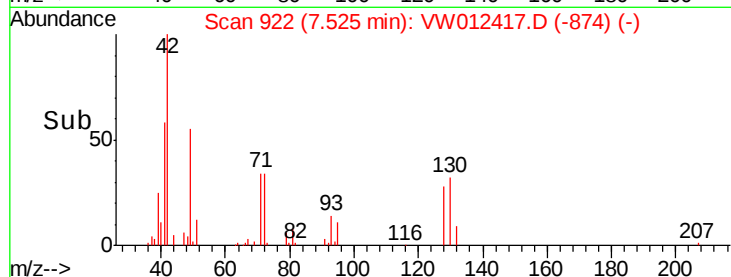
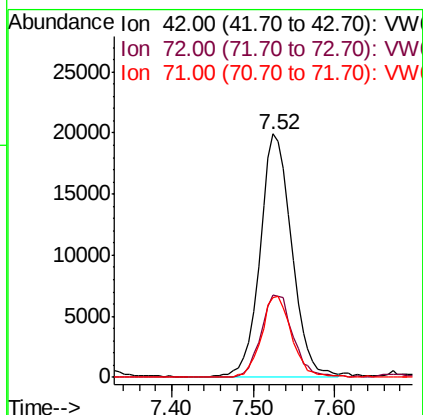
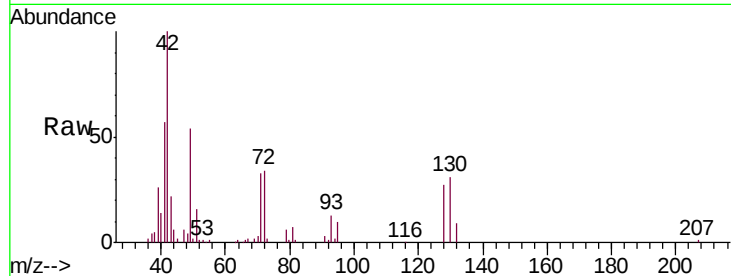




#29
Tetrahydrofuran
Concen: 116.919 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

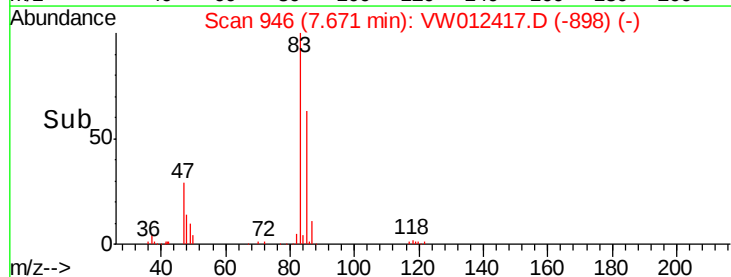
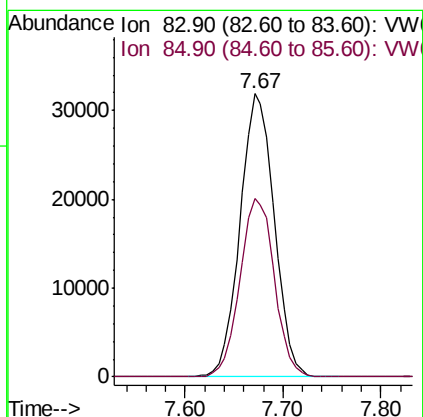
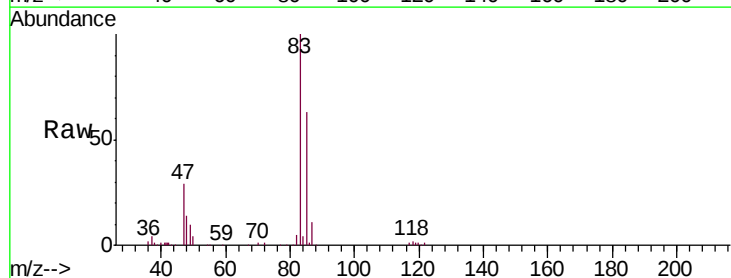
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

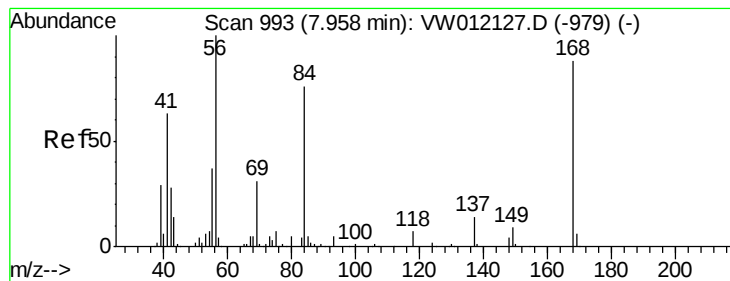
Tgt Ion: 42 Resp: 54204
Ion Ratio Lower Upper
42 100
72 34.0 27.3 40.9
71 31.4 25.5 38.3



#30
Chloroform
Concen: 20.909 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion: 83 Resp: 77473
Ion Ratio Lower Upper
83 100
85 63.0 50.6 76.0





#31

Cyclohexane

Concen: 16.572 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBSD02

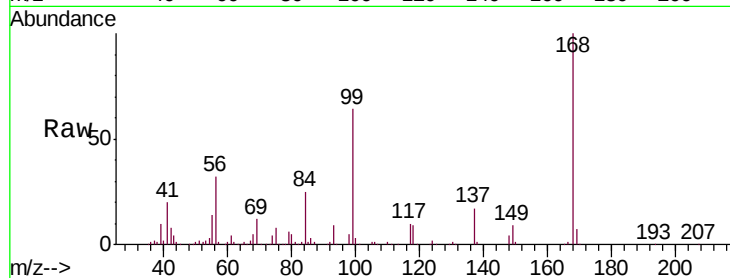
Tgt Ion: 56 Resp: 66404

Ion Ratio Lower Upper

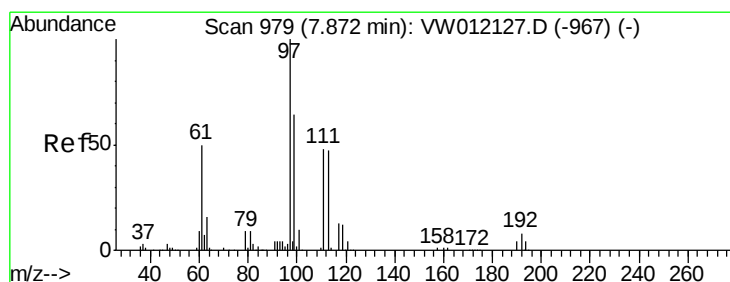
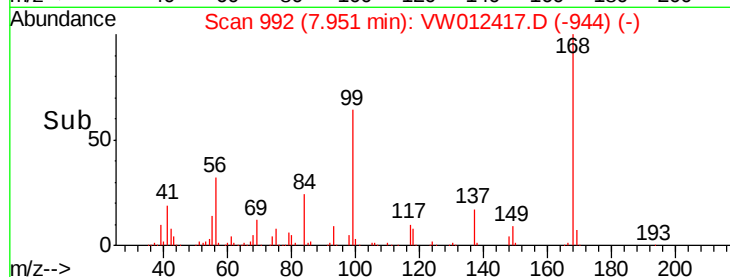
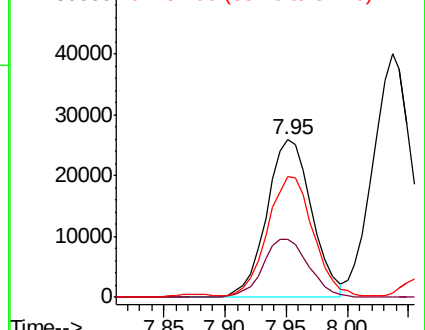
56 100

69 37.2 24.9 37.3

84 75.3 60.6 90.8



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: 20.615 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

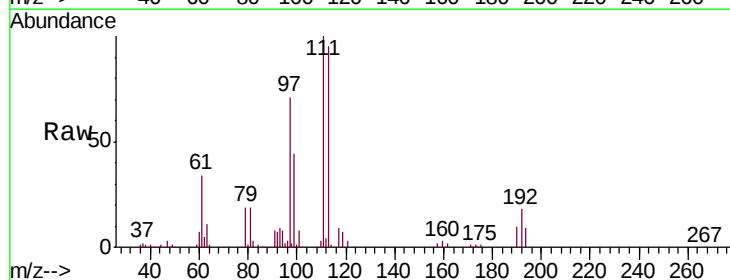
Tgt Ion: 97 Resp: 60426

Ion Ratio Lower Upper

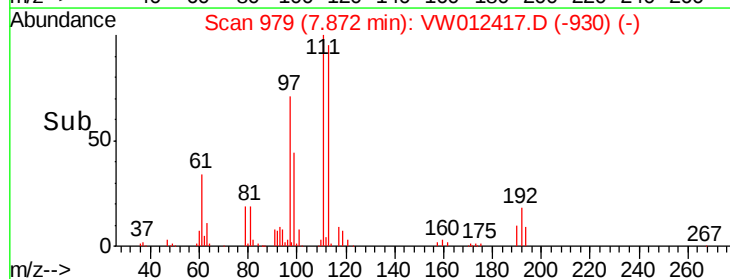
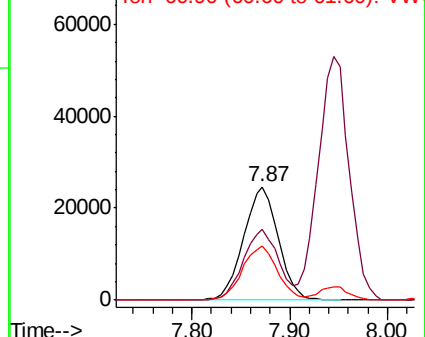
97 100

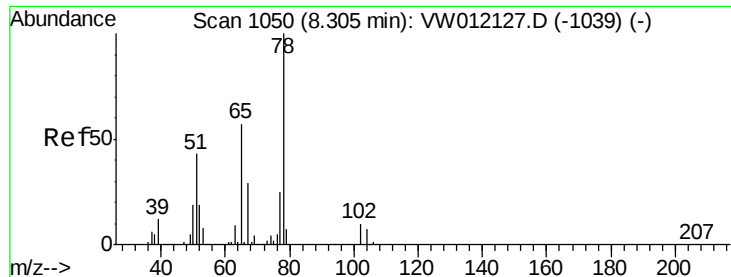
99 62.7 51.4 77.0

61 48.6 39.5 59.3



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

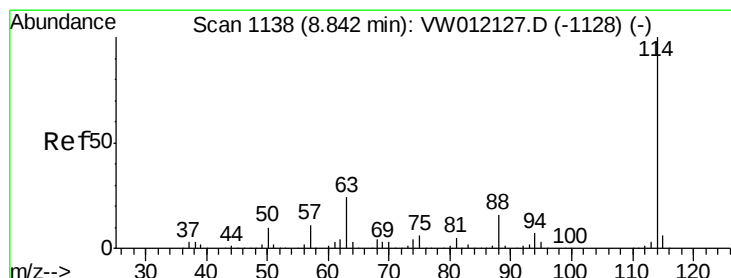
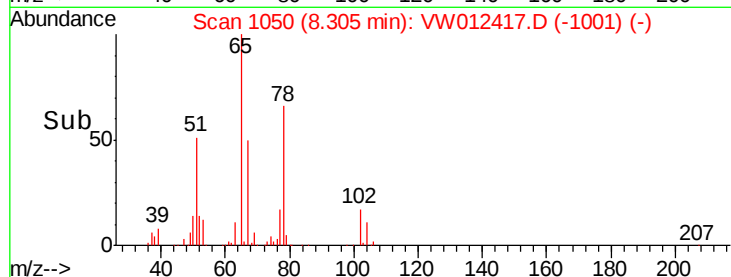
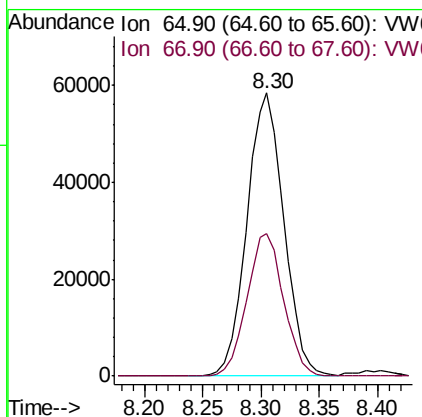
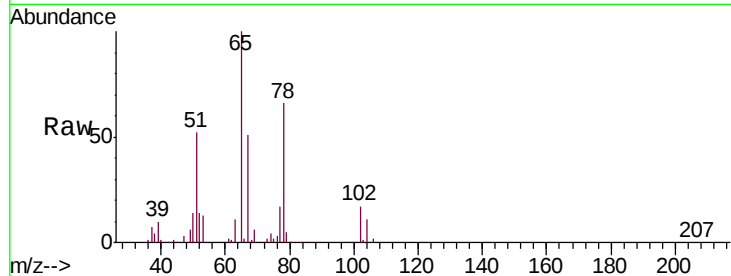




#33
 1,2-Dichloroethane-d4
 Concen: 57.749 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

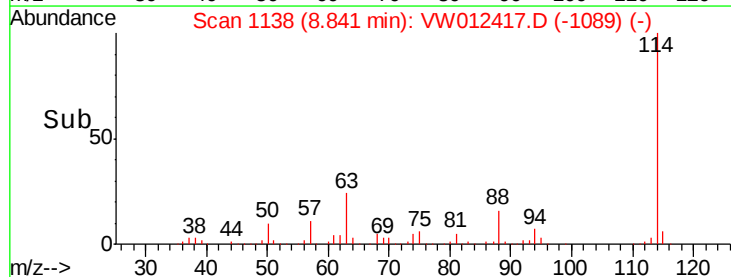
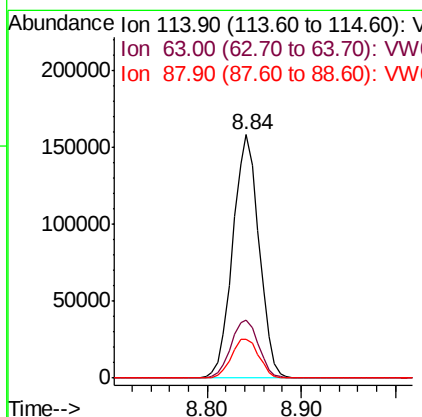
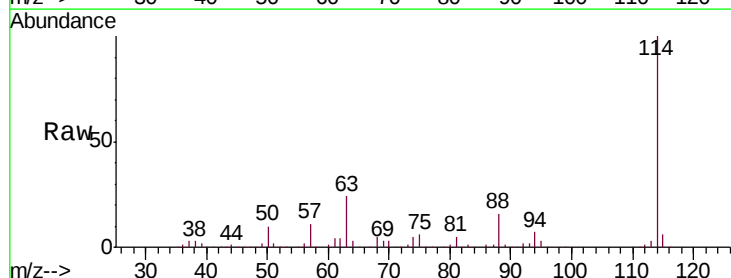
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

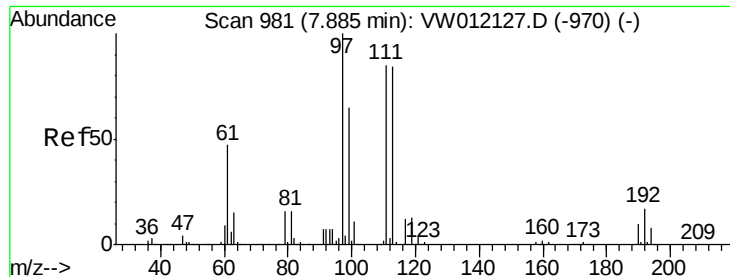
Tgt Ion: 65 Resp: 128467
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion: 114 Resp: 308018
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 48.6
 88 16.0 0.0 32.2

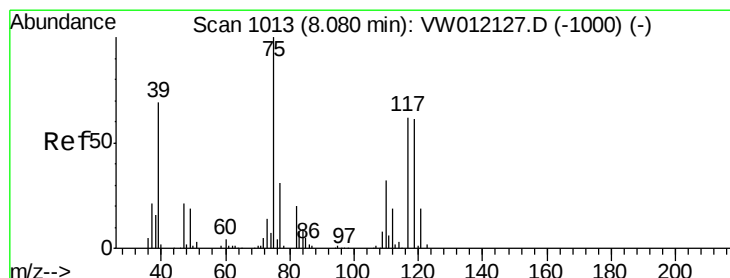
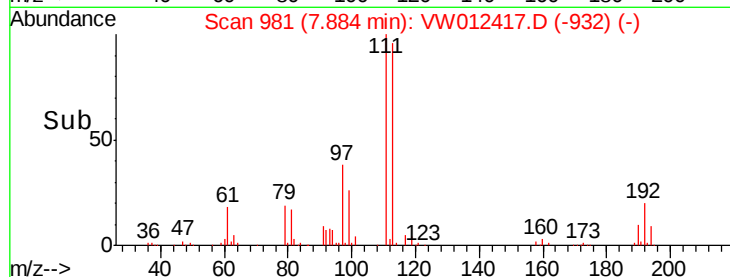
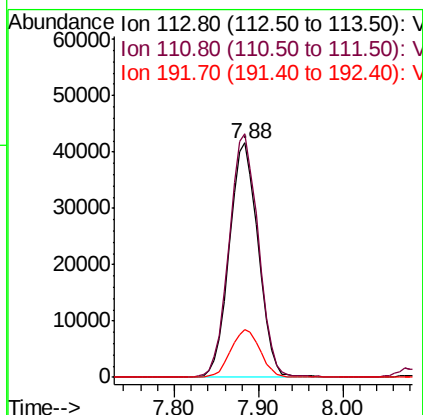
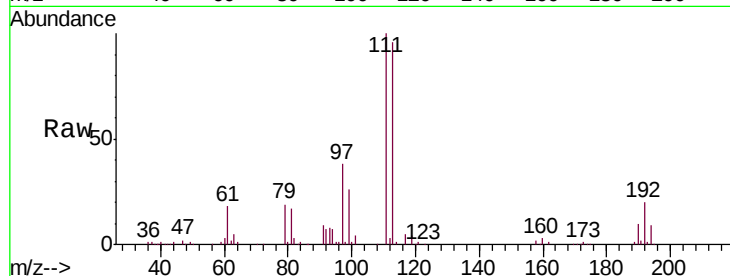




#35
 Dibromofluoromethane
 Concen: 52.497 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

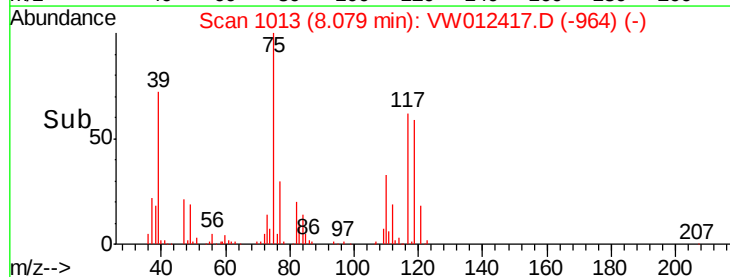
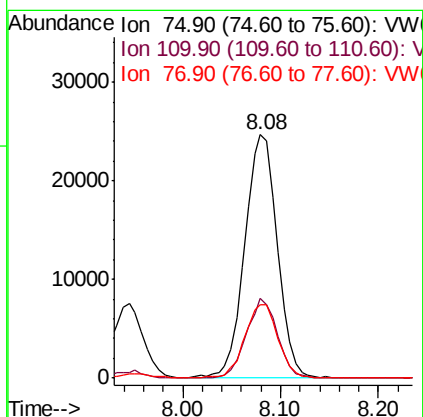
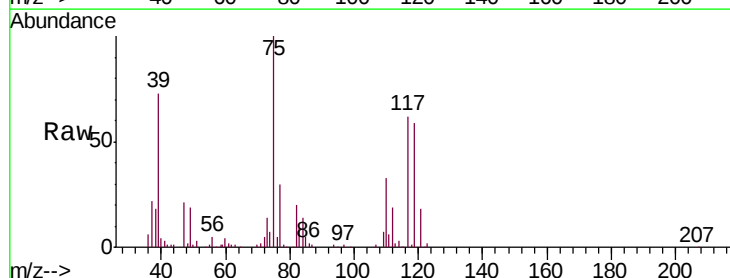
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBSD02

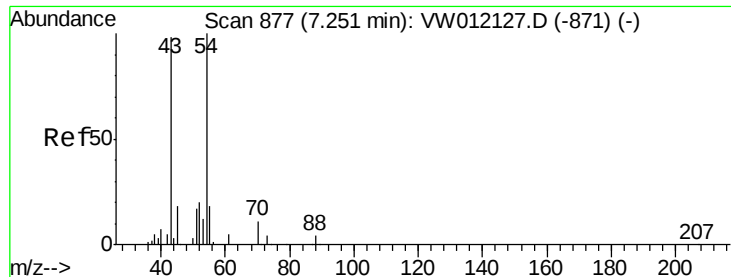
Tgt Ion: 113 Resp: 96520
 Ion Ratio Lower Upper
 113 100
 111 105.6 82.7 124.1
 192 20.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 17.964 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion: 75 Resp: 57179
 Ion Ratio Lower Upper
 75 100
 110 31.0 15.6 46.8
 77 31.1 24.6 36.8

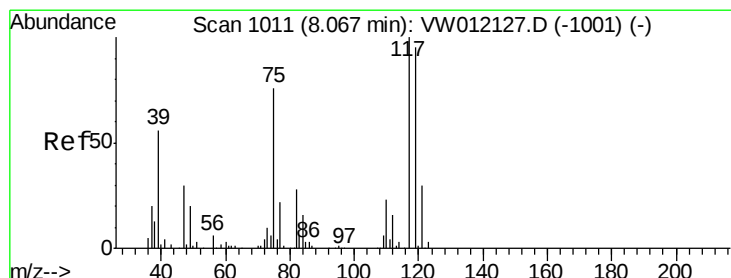
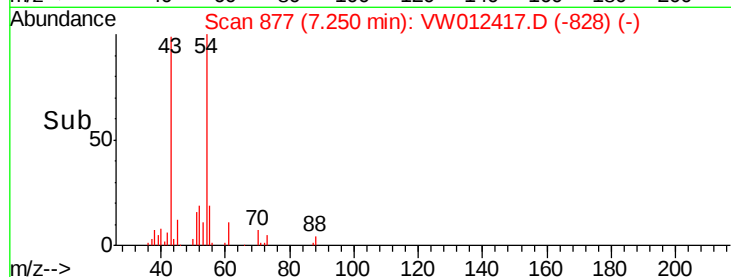
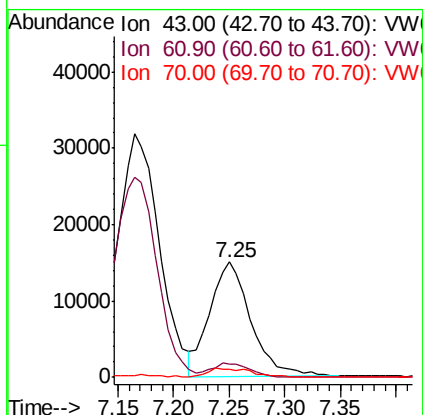
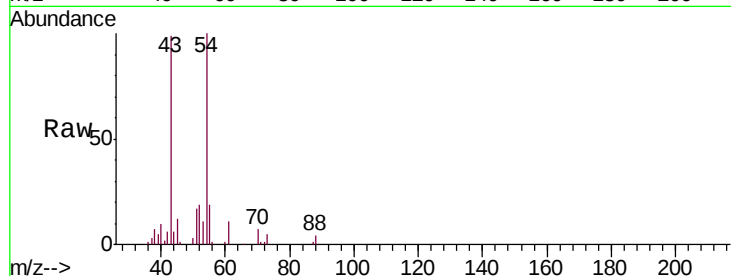




#37
Ethyl Acetate
Concen: 21.863 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

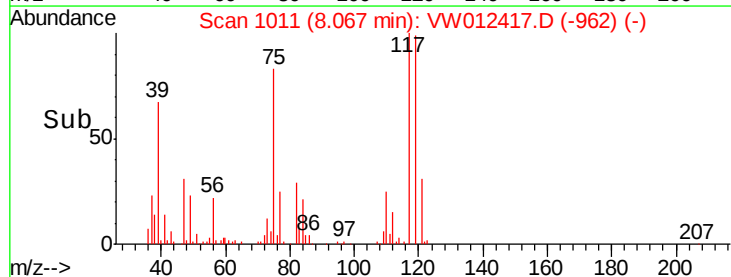
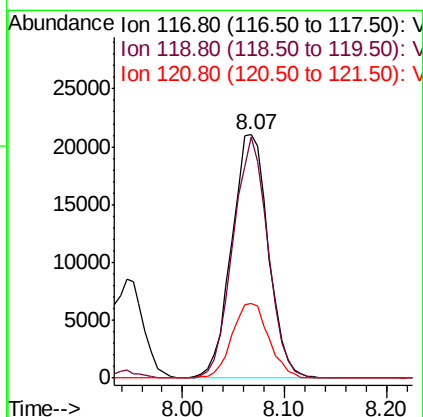
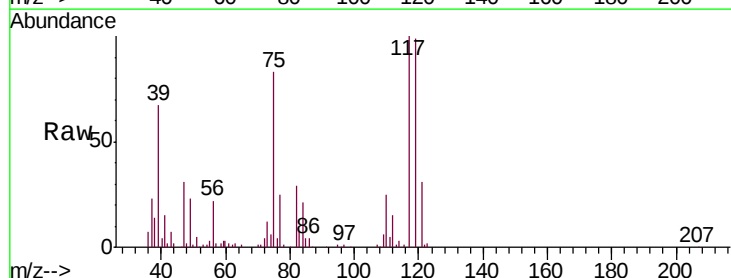
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBSD02

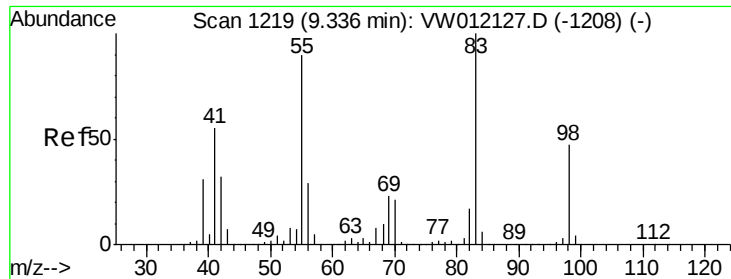
Tgt Ion: 43 Resp: 38134
Ion Ratio Lower Upper
43 100
61 11.7 9.2 13.8
70 8.4 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.037 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion: 117 Resp: 52447
Ion Ratio Lower Upper
117 100
119 99.1 76.2 114.2
121 30.6 23.8 35.8

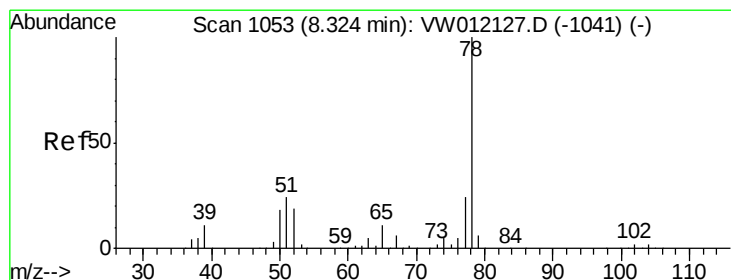
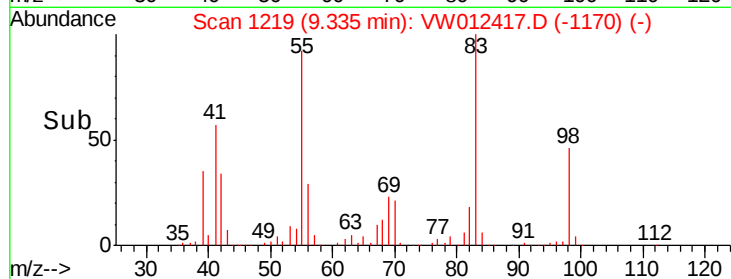
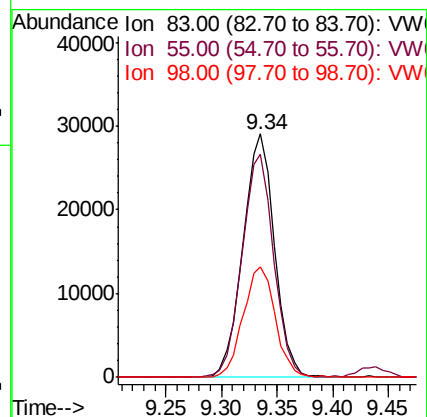
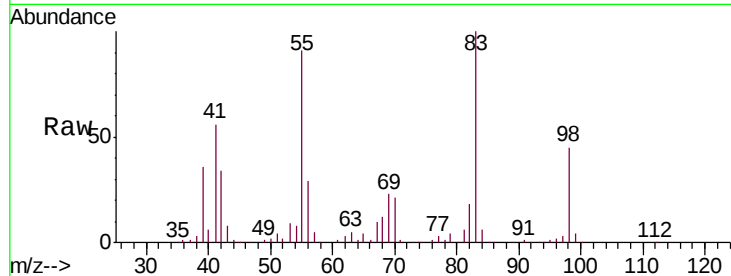




#39
Methylcyclohexane
Concen: 15.968 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

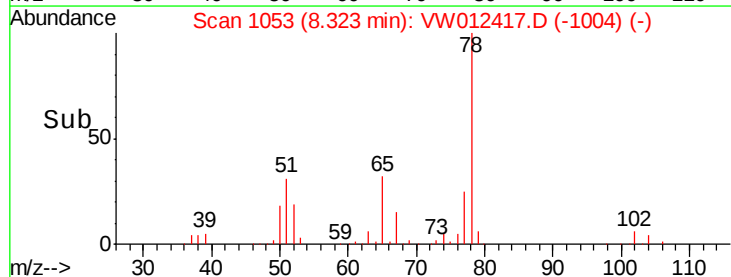
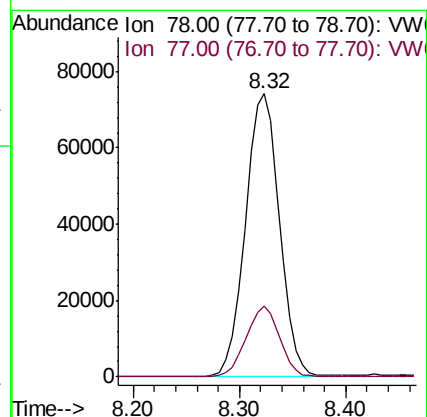
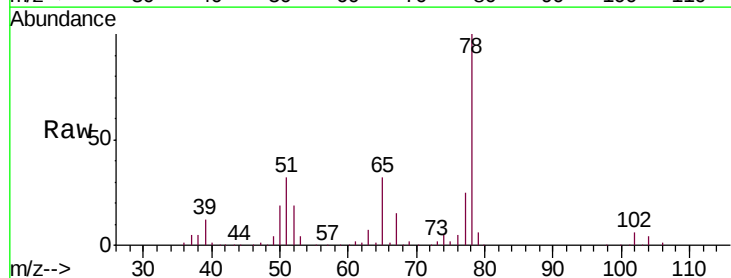
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

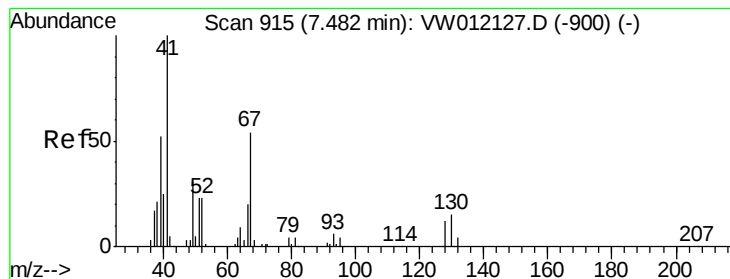
Tgt Ion: 83 Resp: 57100
Ion Ratio Lower Upper
83 100
55 91.5 71.8 107.8
98 45.5 37.8 56.8



#40
Benzene
Concen: 19.209 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion: 78 Resp: 166957
Ion Ratio Lower Upper
78 100
77 25.2 19.5 29.3





#41

Methacrylonitrile

Concen: 22.483 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tgt Ion: 41 Resp: 23048

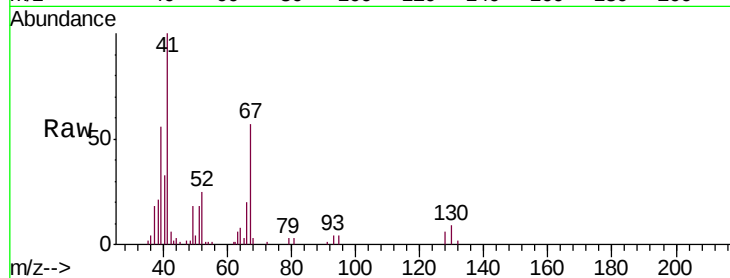
Ion Ratio Lower Upper

41 100

39 54.3 45.8 68.8

67 56.3 46.2 69.4

52 28.0 21.0 31.6

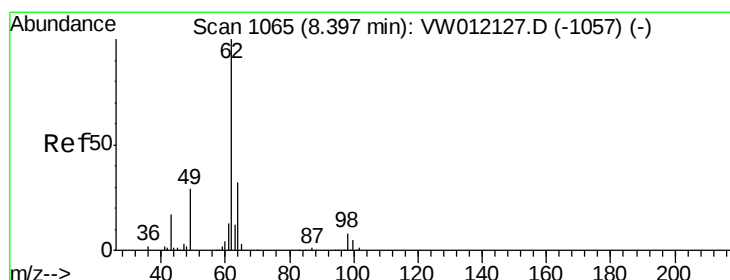
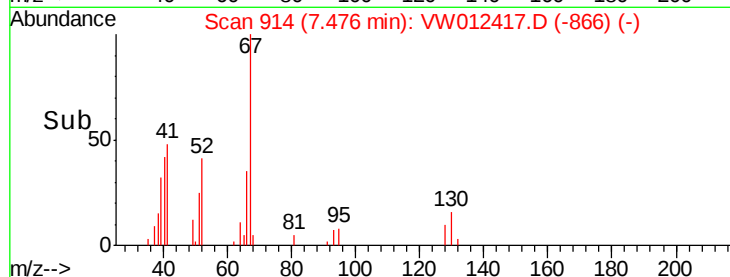
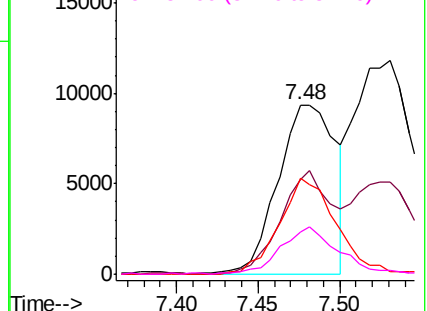


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 21.438 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012417.D

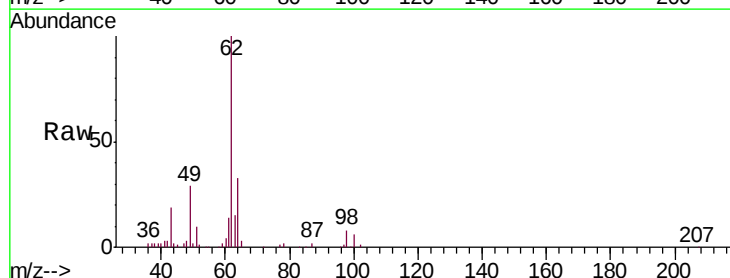
Acq: 31 Aug 2019 23:44

Tgt Ion: 62 Resp: 58397

Ion Ratio Lower Upper

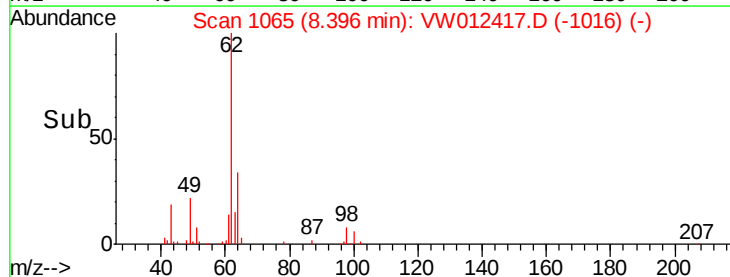
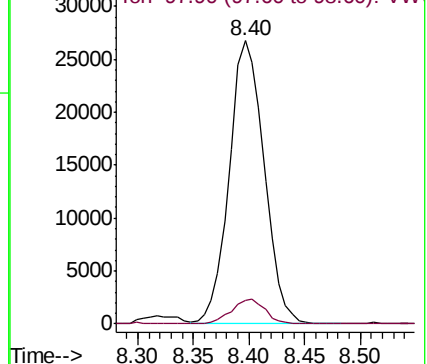
62 100

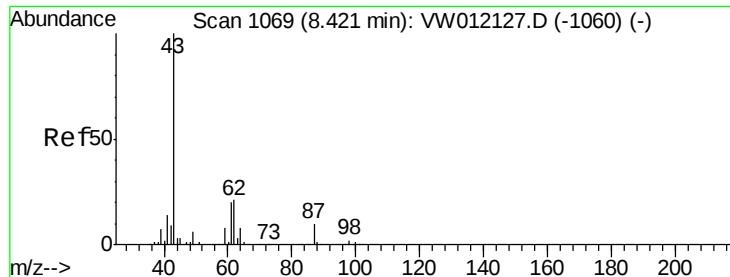
98 8.4 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.545 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

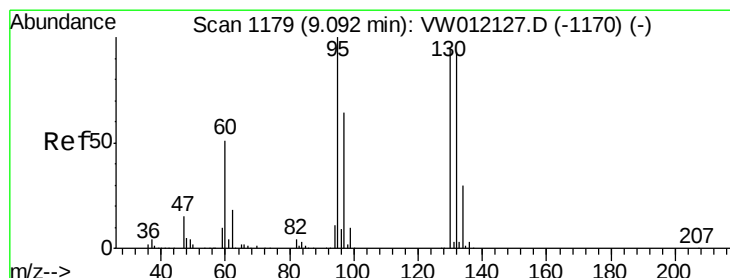
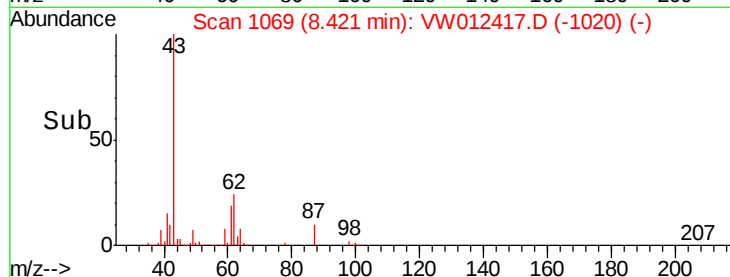
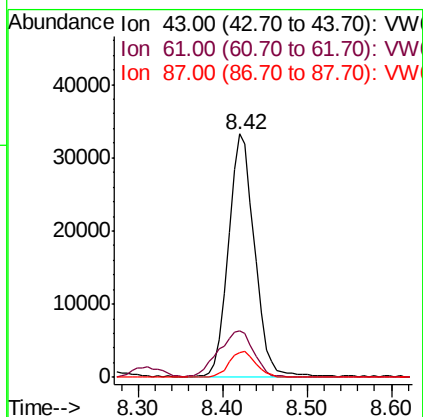
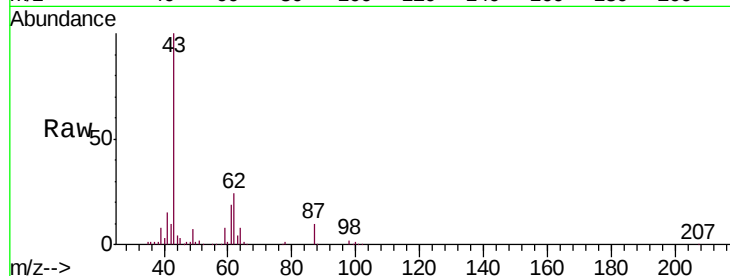
Tgt Ion: 43 Resp: 69611

Ion Ratio Lower Upper

43 100

61 25.5 21.1 31.7

87 10.9 8.2 12.2



#44

Trichloroethene

Concen: 19.142 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012417.D

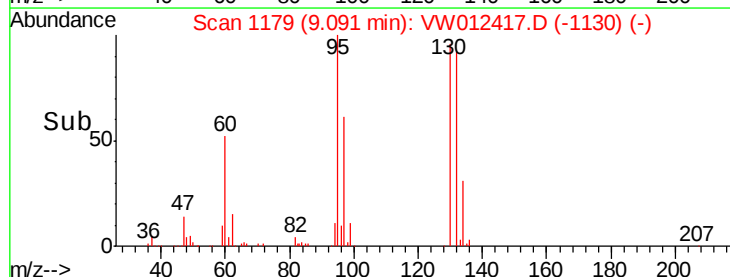
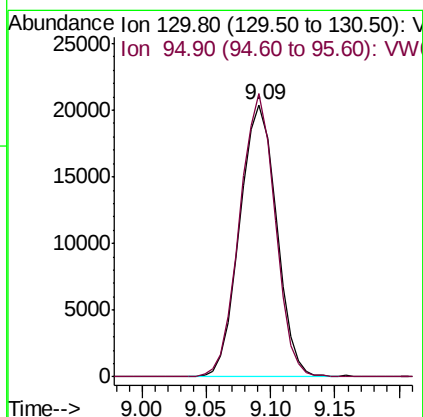
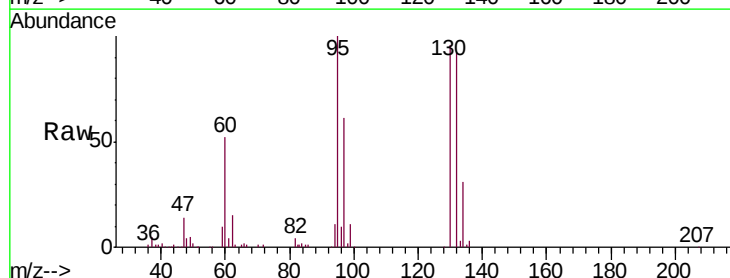
Acq: 31 Aug 2019 23:44

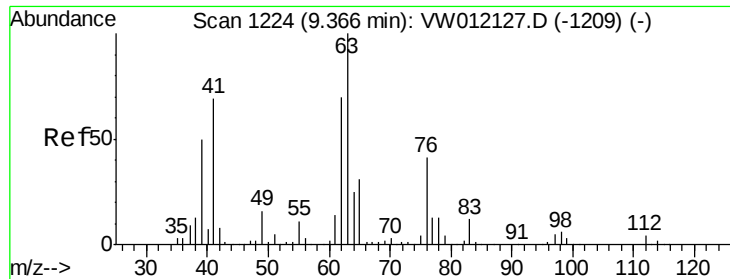
Tgt Ion: 130 Resp: 40445

Ion Ratio Lower Upper

130 100

95 104.0 0.0 210.6





#45

1,2-Dichloropropane

Concen: 20.320 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampled :

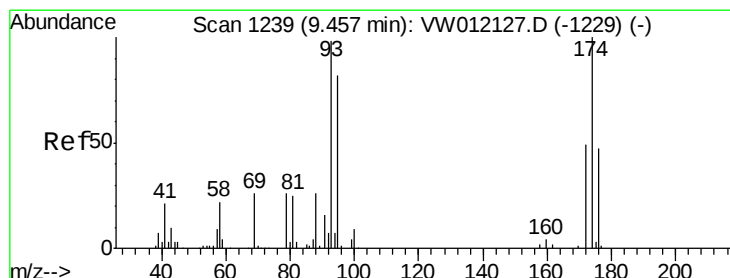
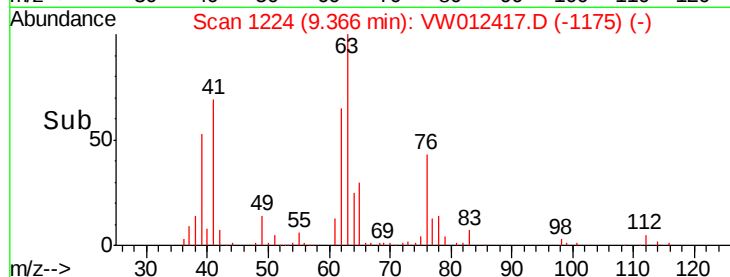
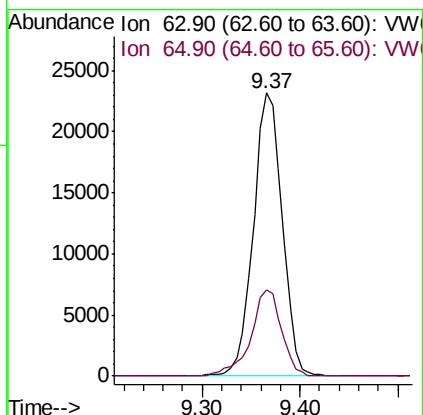
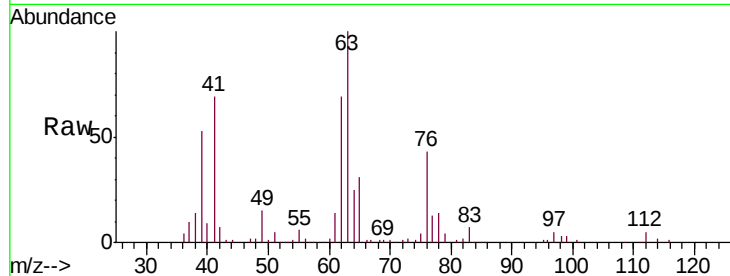
VW0831SBS02

Tgt Ion: 63 Resp: 47531

Ion Ratio Lower Upper

63 100

65 30.7 25.0 37.4



#46

Dibromomethane

Concen: 21.254 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

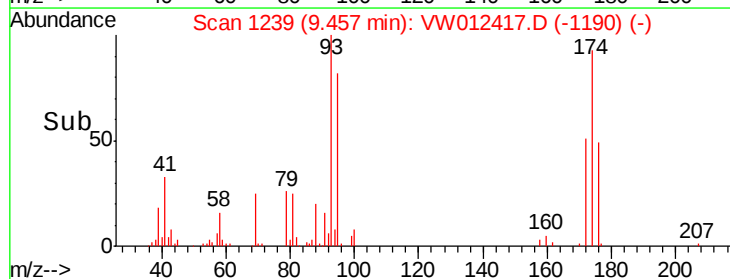
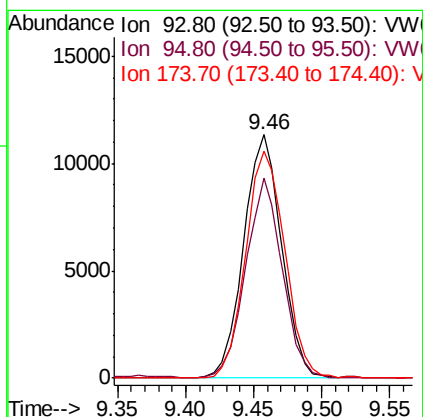
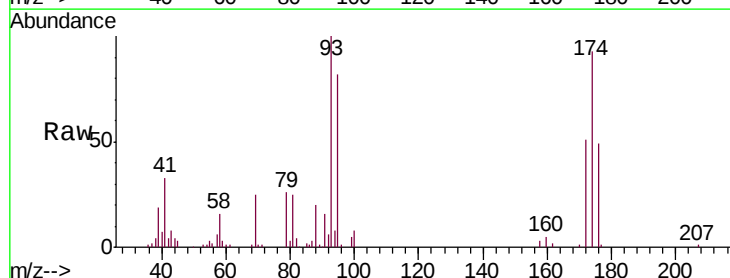
Tgt Ion: 93 Resp: 22120

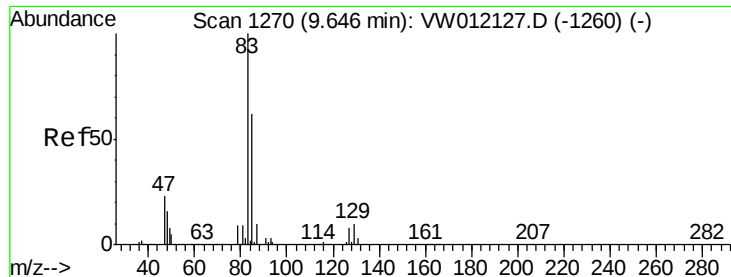
Ion Ratio Lower Upper

93 100

95 79.4 67.2 100.8

174 96.2 79.0 118.6





#47

Bromodichloromethane

Concen: 20.485 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBSD02

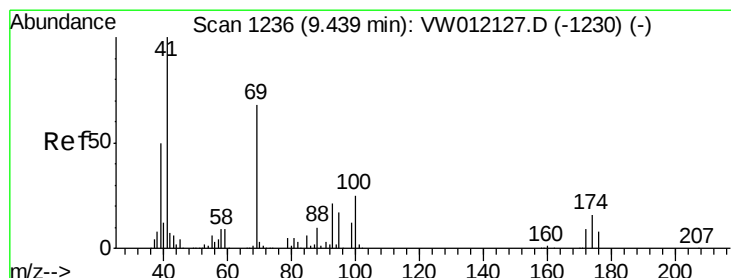
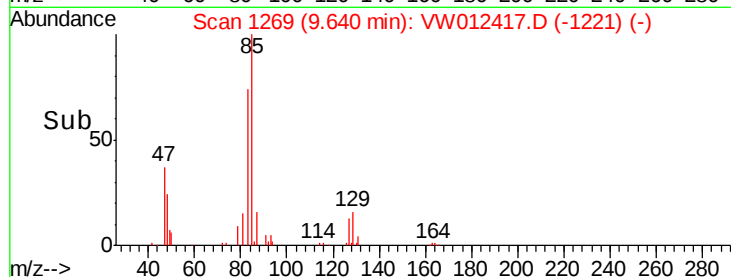
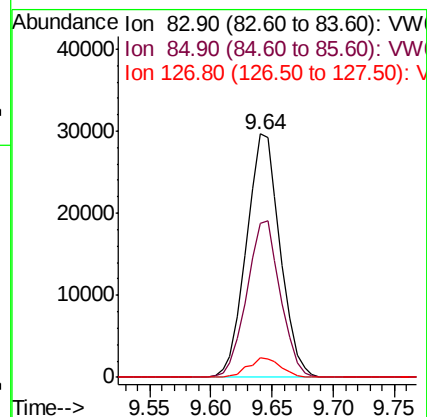
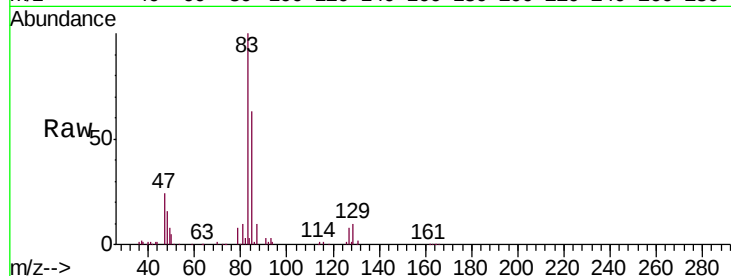
Tgt Ion: 83 Resp: 56740

Ion Ratio Lower Upper

83 100

85 63.4 49.4 74.2

127 8.2 6.1 9.1



#48

Methyl methacrylate

Concen: 21.503 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

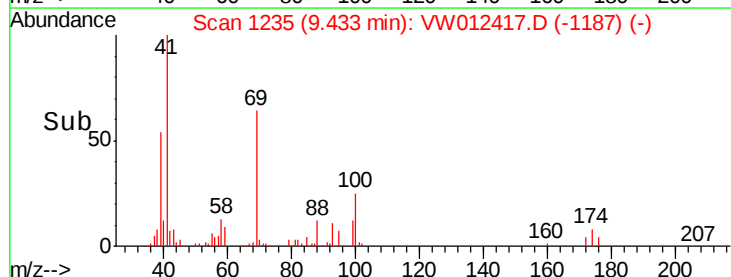
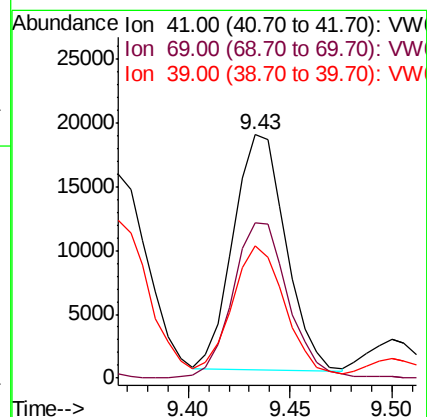
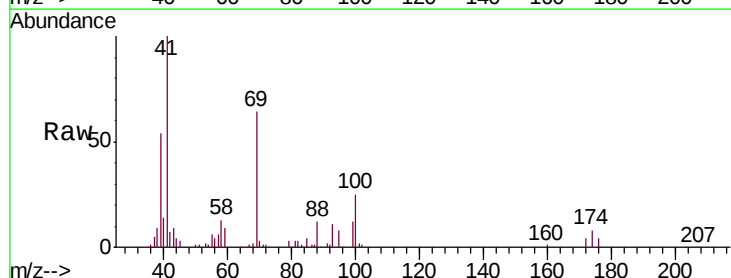
Tgt Ion: 41 Resp: 33066

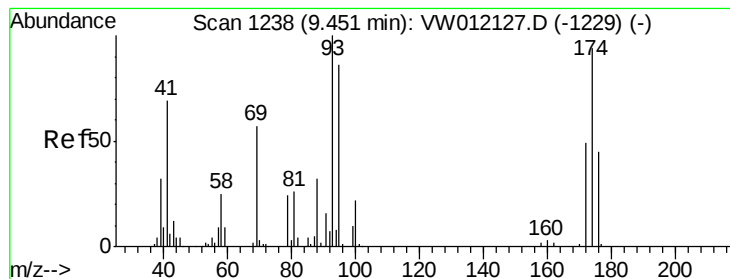
Ion Ratio Lower Upper

41 100

69 70.2 56.7 85.1

39 57.7 42.0 63.0





#49

1,4-Dioxane

Concen: 468.096 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

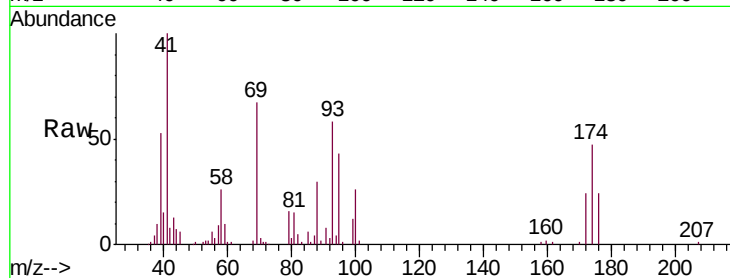
Tgt Ion: 88 Resp: 7458

Ion Ratio Lower Upper

88 100

43 48.7 32.9 49.3

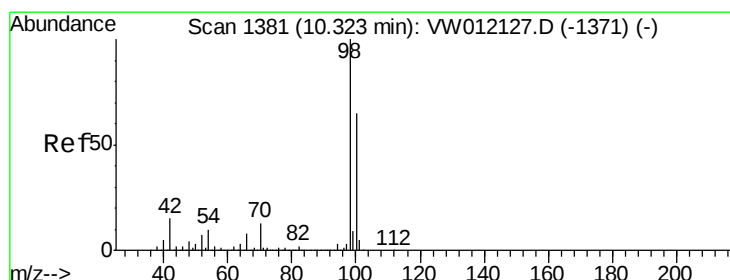
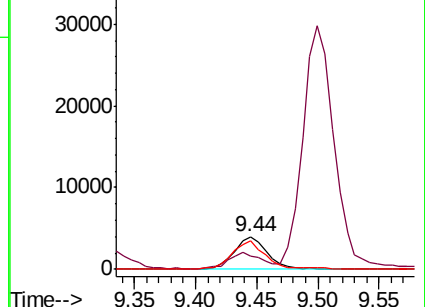
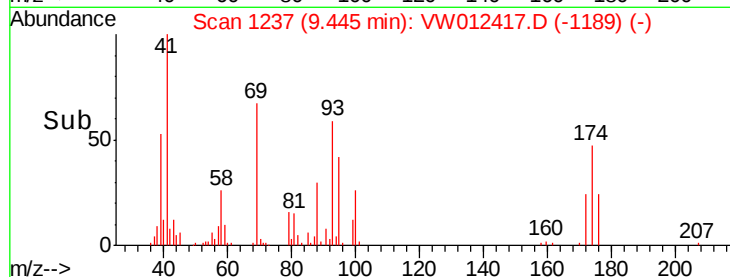
58 91.7 71.0 106.4



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: 51.450 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012417.D

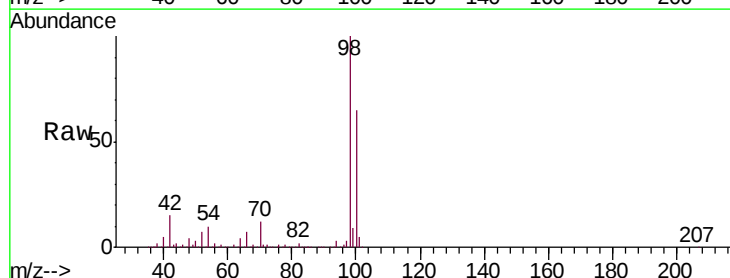
Acq: 31 Aug 2019 23:44

Tgt Ion: 98 Resp: 383555

Ion Ratio Lower Upper

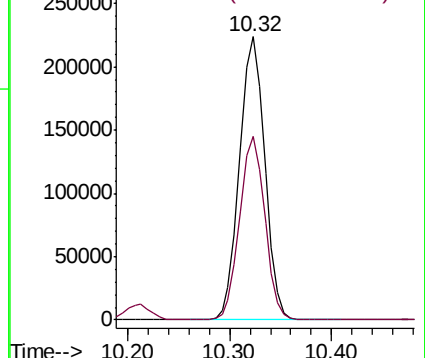
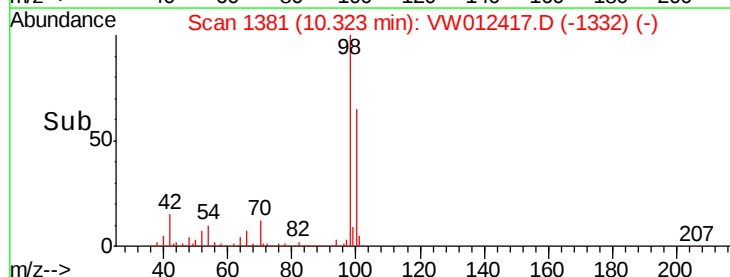
98 100

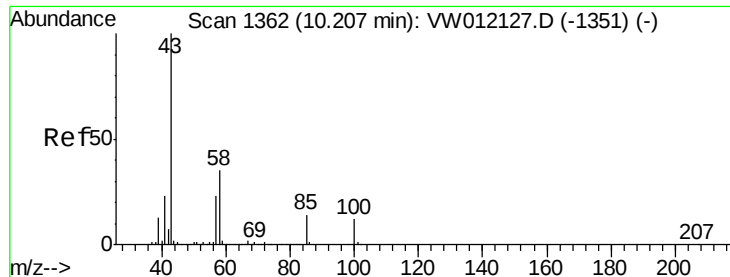
100 64.6 52.4 78.6



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: 113.284 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

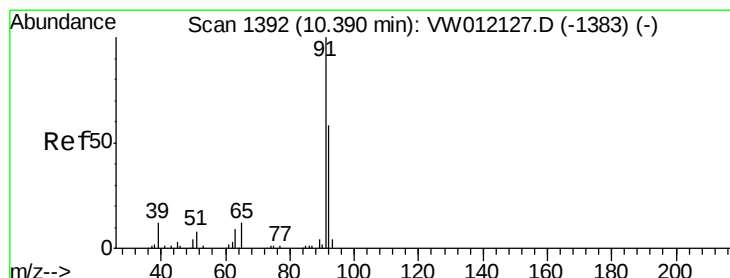
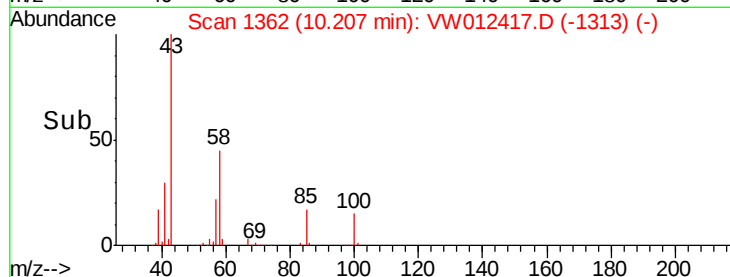
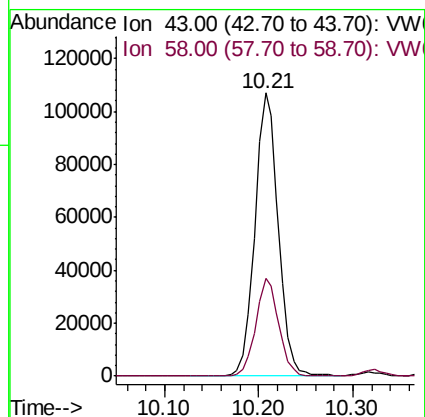
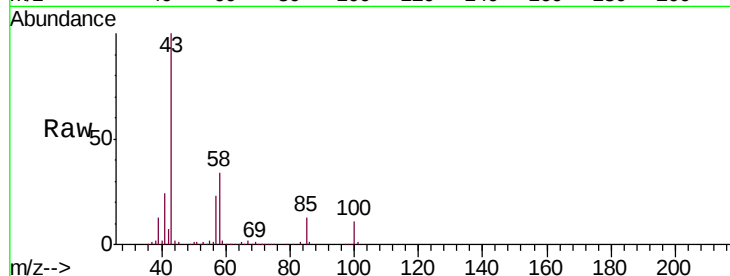
VW0831SBS02

Tgt Ion: 43 Resp: 186162

Ion Ratio Lower Upper

43 100

58 34.2 28.2 42.2



#52

Toluene

Concen: 19.129 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012417.D

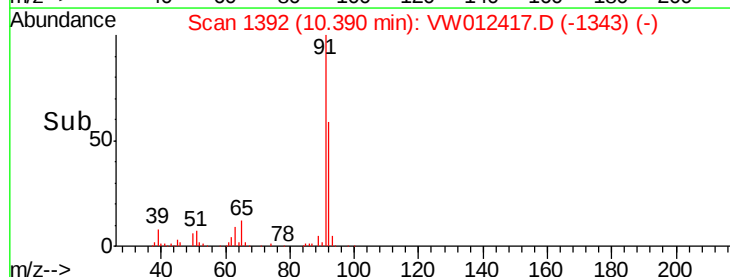
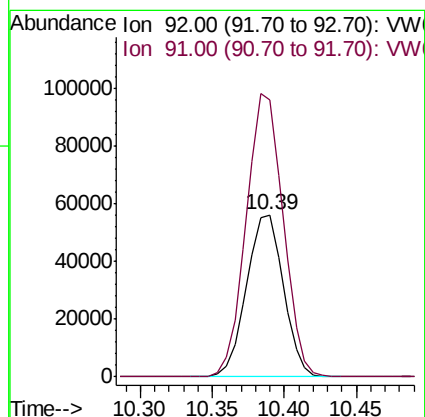
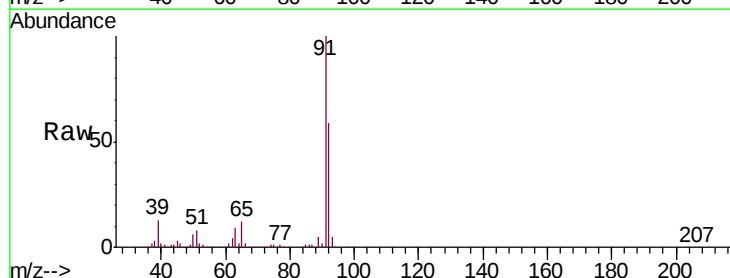
Acq: 31 Aug 2019 23:44

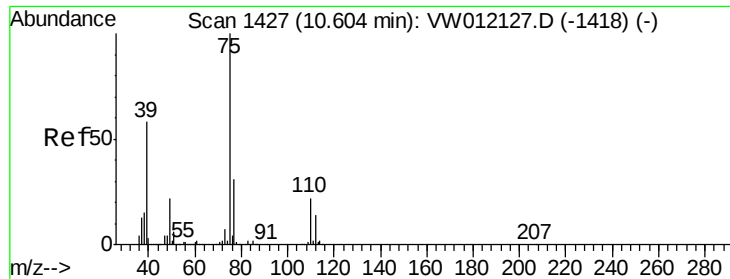
Tgt Ion: 92 Resp: 99879

Ion Ratio Lower Upper

92 100

91 174.9 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 19.692 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

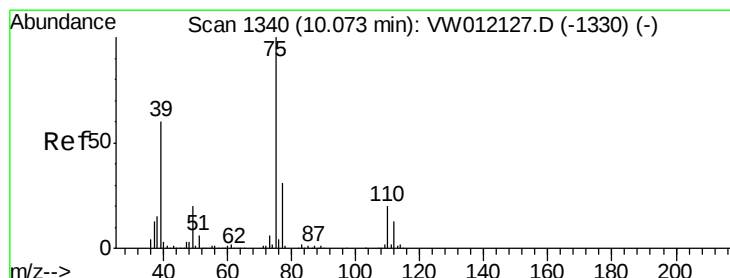
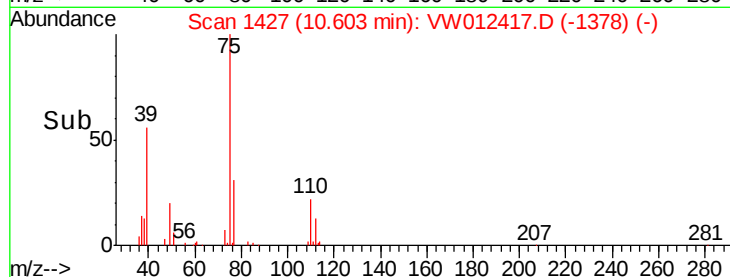
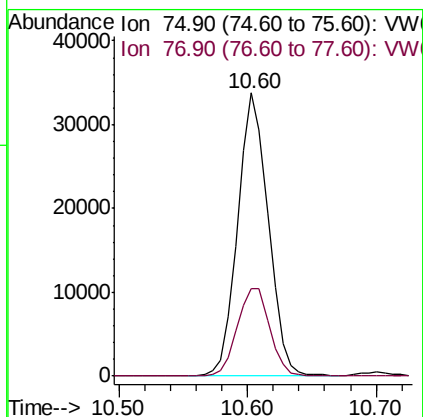
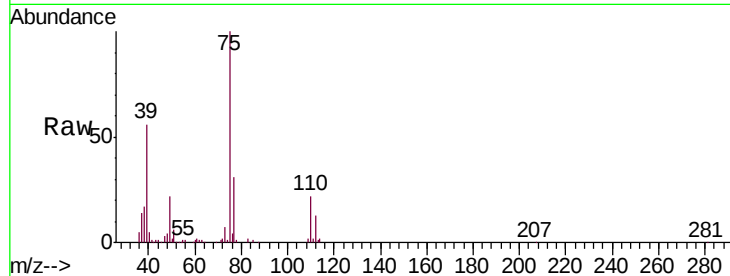
VW0831SBS02

Tgt Ion: 75 Resp: 55560

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.001 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

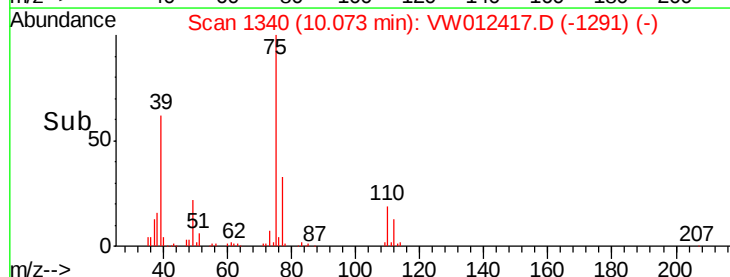
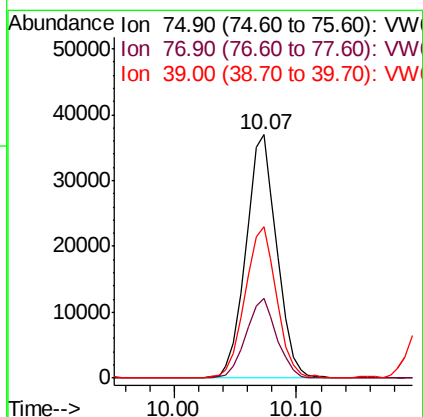
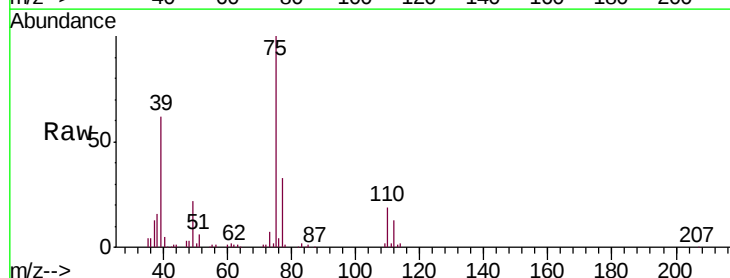
Tgt Ion: 75 Resp: 64731

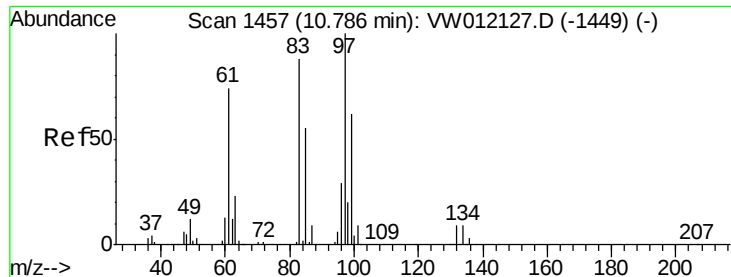
Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7

39 61.8 48.3 72.5

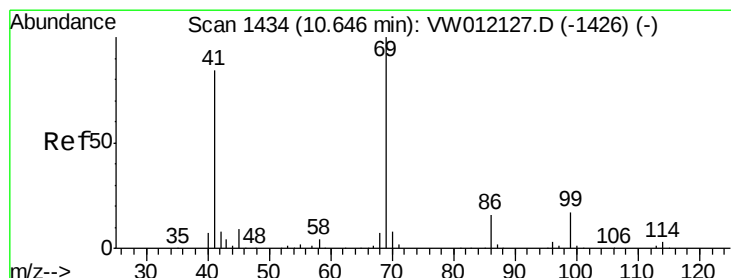
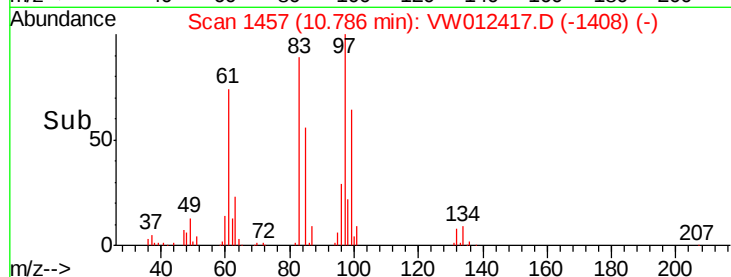
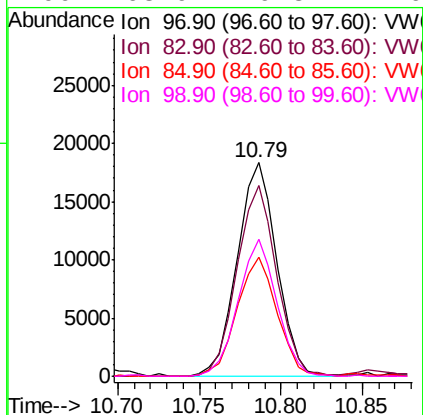
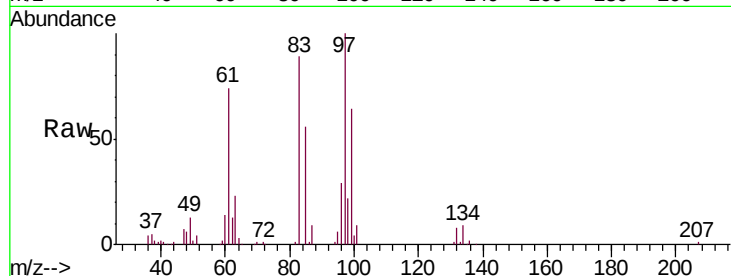




#55
 1,1,2-Trichloroethane
 Concen: 21.090 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

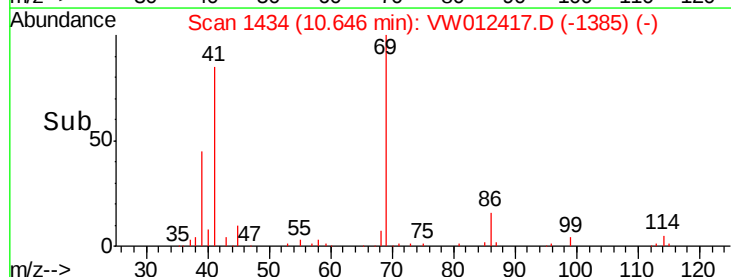
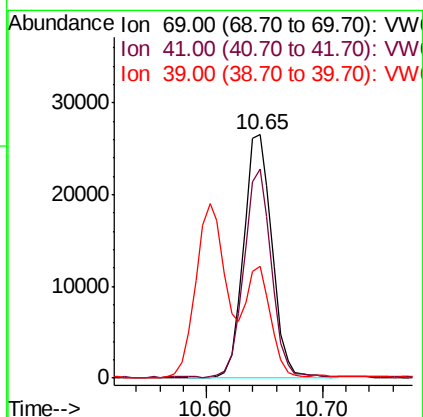
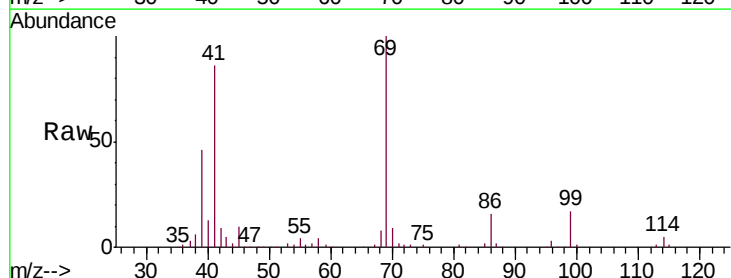
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

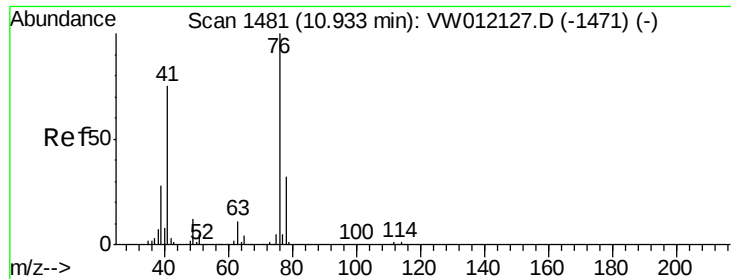
Tgt Ion:	97	Resp:	31056
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.8	106.2
85	55.9	43.8	65.8
99	63.9	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 21.077 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion:	69	Resp:	45170
Ion	Ratio	Lower	Upper
69	100		
41	82.4	66.5	99.7
39	38.4	31.0	46.4

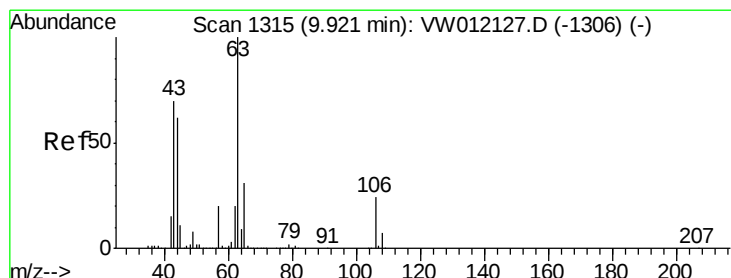
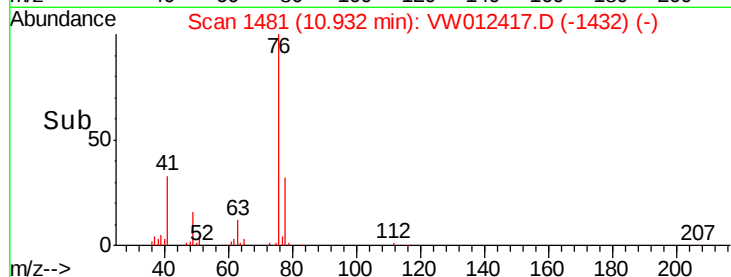
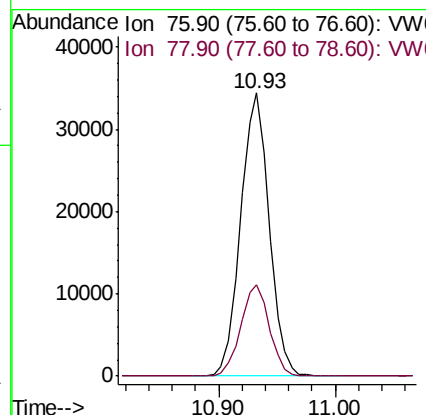
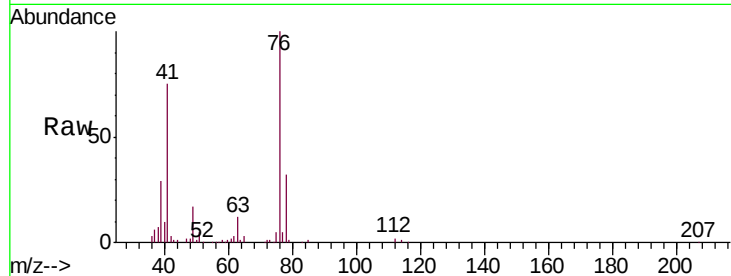




#57
 1,3-Dichloropropane
 Concen: 21.141 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

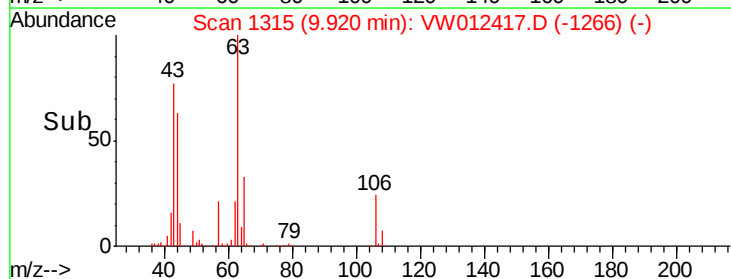
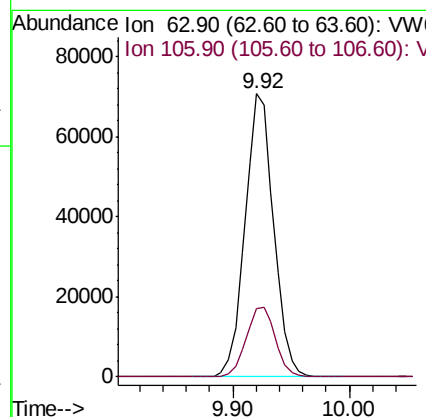
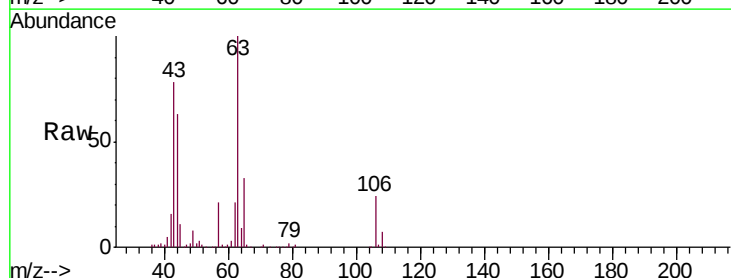
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

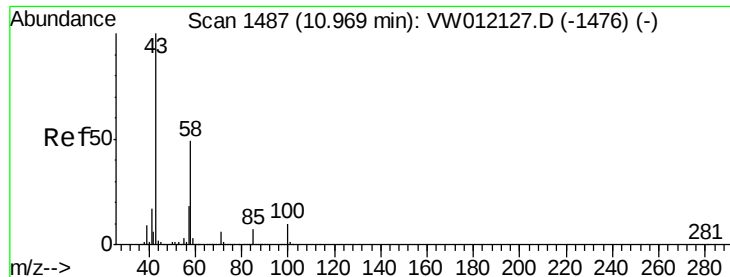
Tgt Ion: 76 Resp: 58829
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.989 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion: 63 Resp: 120977
 Ion Ratio Lower Upper
 63 100
 106 25.3 19.8 29.8

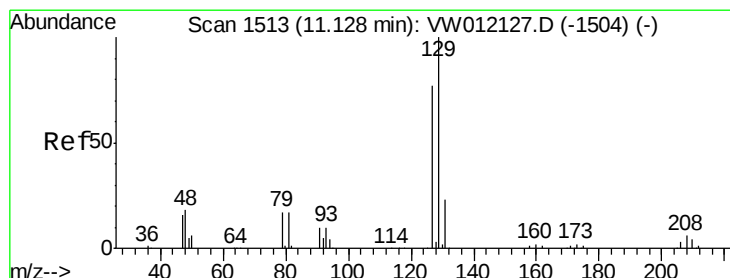
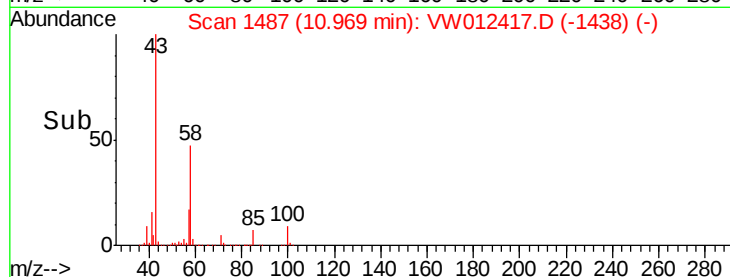
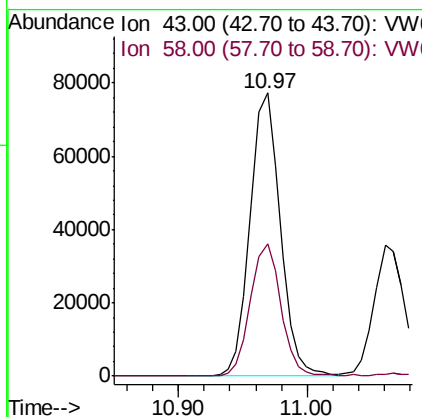
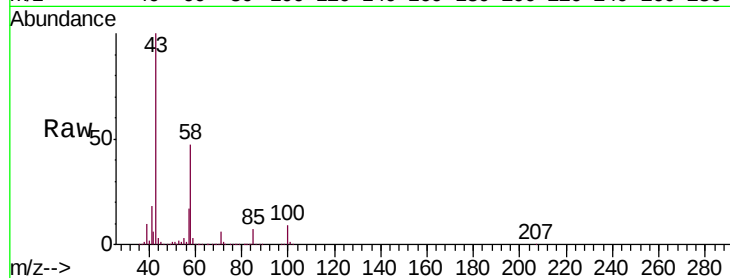




#59
2-Hexanone
Concen: 107.521 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

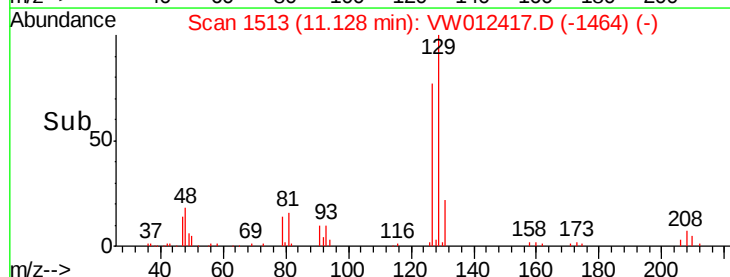
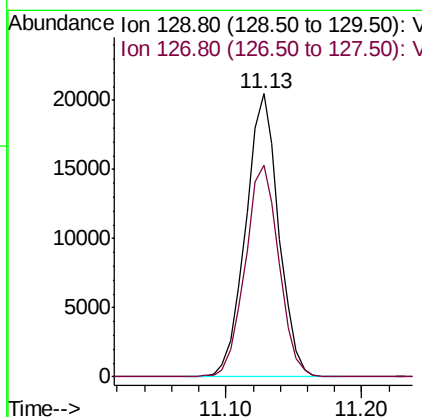
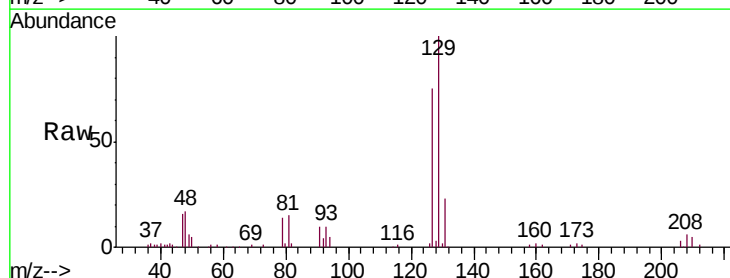
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

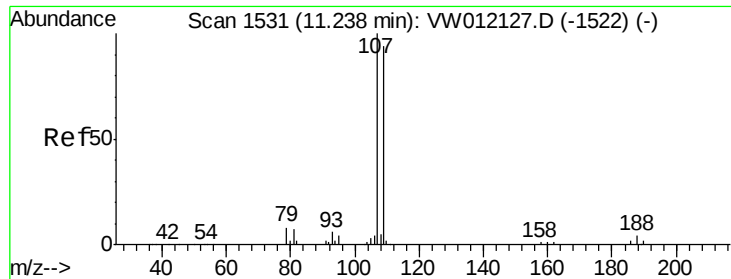
Tgt Ion: 43 Resp: 125021
Ion Ratio Lower Upper
43 100
58 47.6 24.3 72.9



#60
Dibromochloromethane
Concen: 21.210 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion: 129 Resp: 34788
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.8

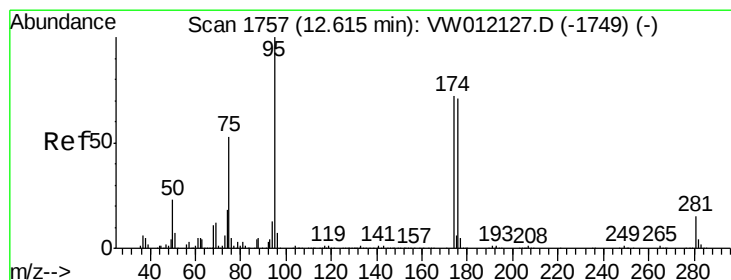
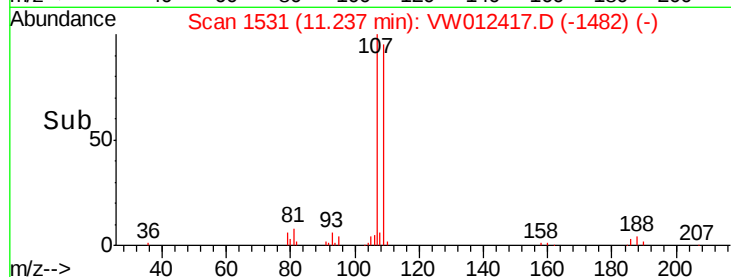
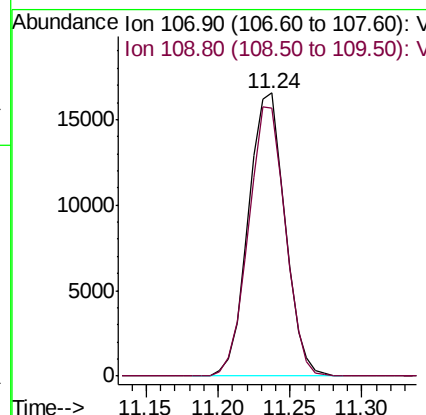
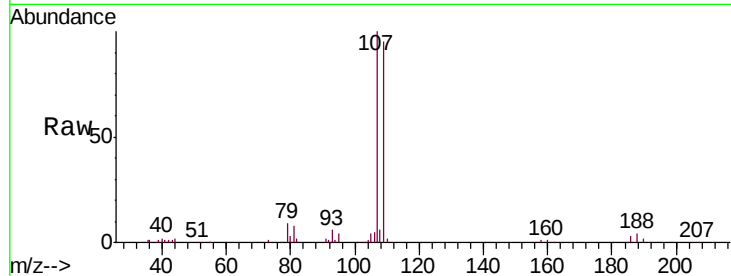




#61
 1,2-Dibromoethane
 Concen: 21.215 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

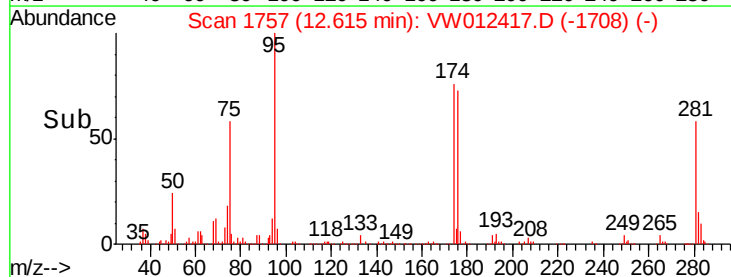
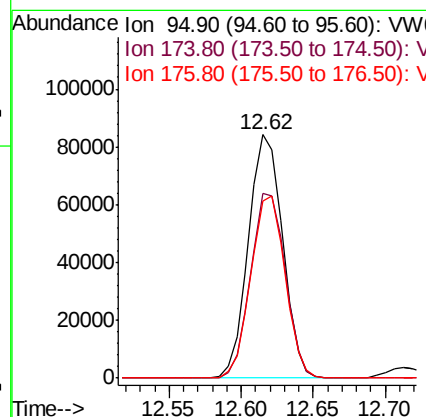
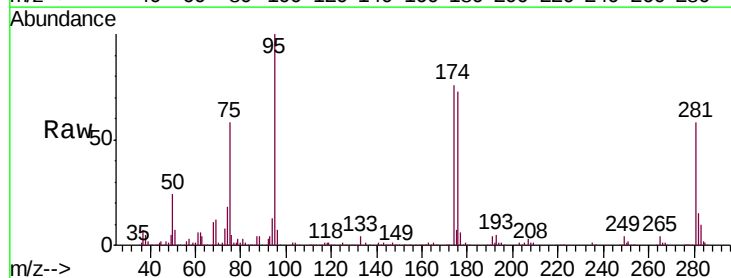
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

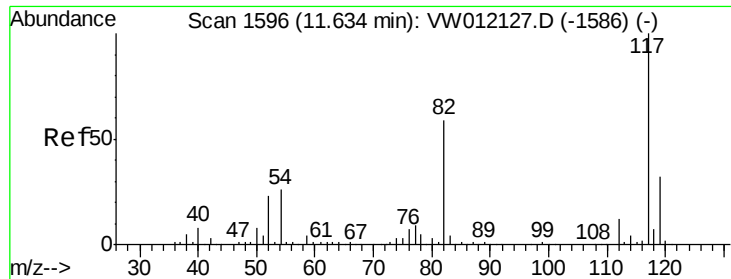
Tgt Ion: 107 Resp: 29104
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.685 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion: 95 Resp: 138448
 Ion Ratio Lower Upper
 95 100
 174 76.9 0.0 150.8
 176 75.0 0.0 148.6

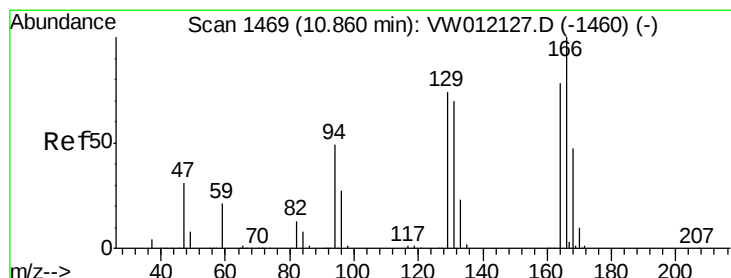
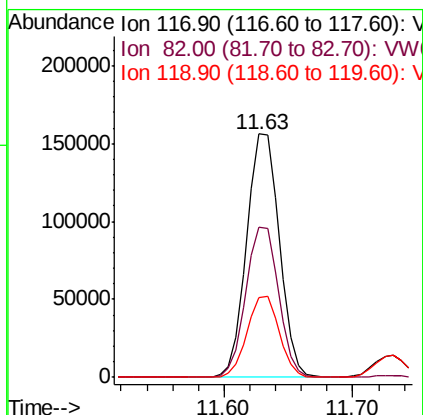
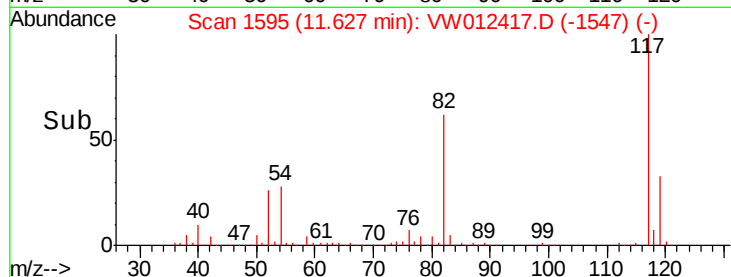
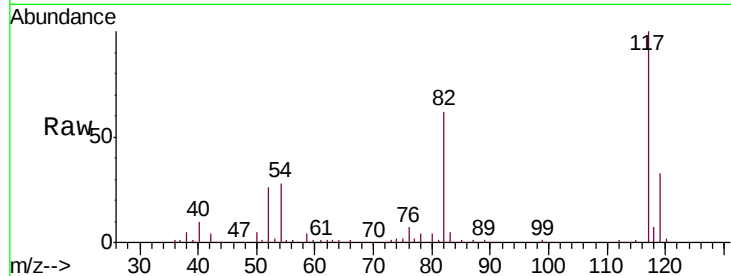




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

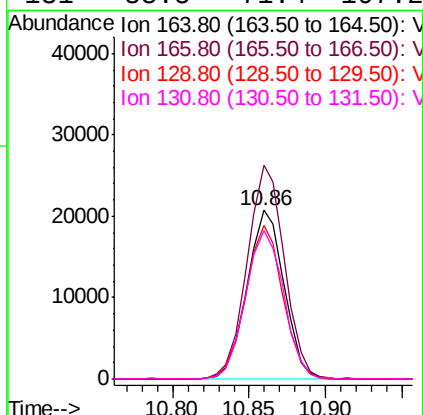
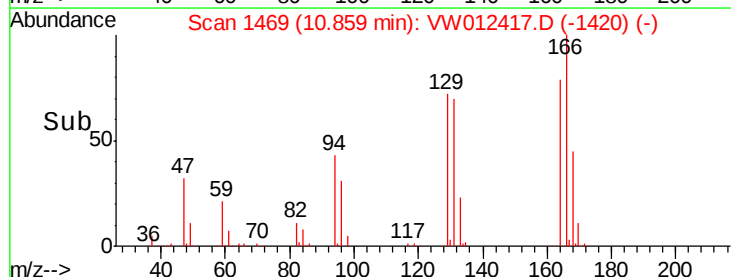
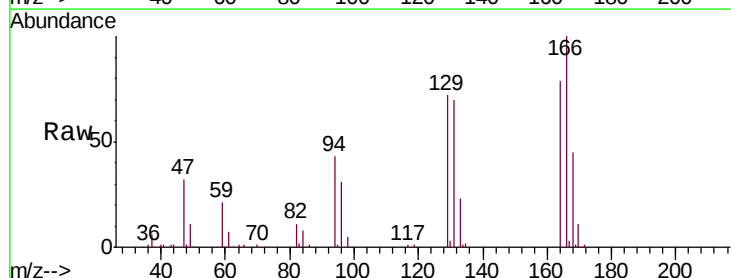
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBSD02

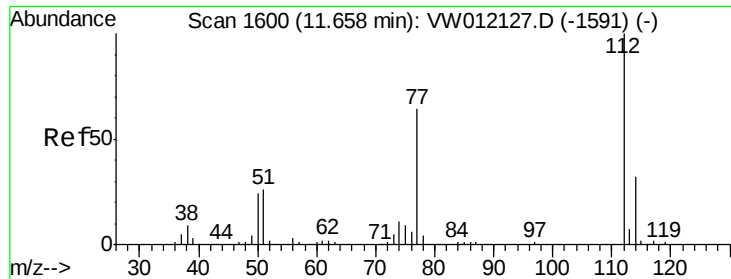
Tgt Ion:117 Resp: 273841
Ion Ratio Lower Upper
117 100
82 61.8 47.4 71.2
119 32.7 25.4 38.2



#64
Tetrachloroethene
Concen: 19.716 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion:164 Resp: 35004
Ion Ratio Lower Upper
164 100
166 126.9 102.4 153.6
129 91.5 75.8 113.6
131 88.5 71.4 107.2

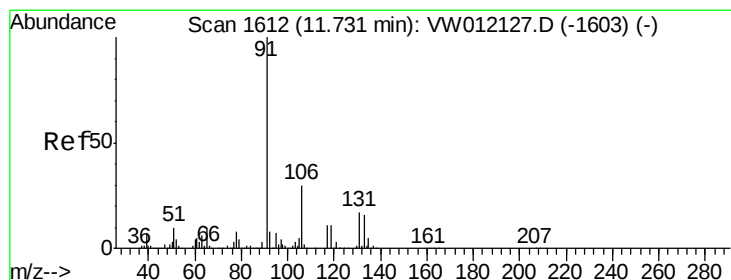
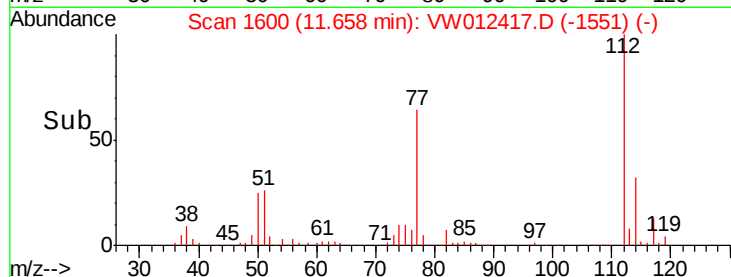
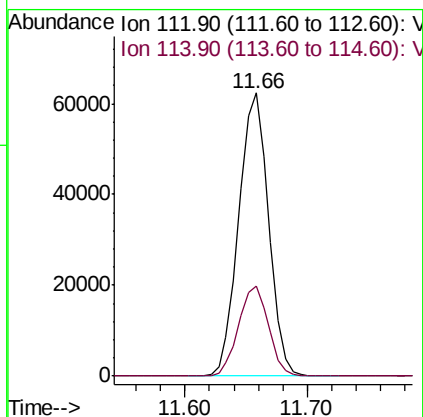
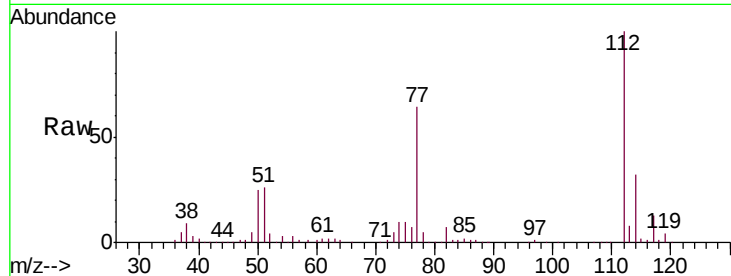




#65
Chlorobenzene
Concen: 19.574 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

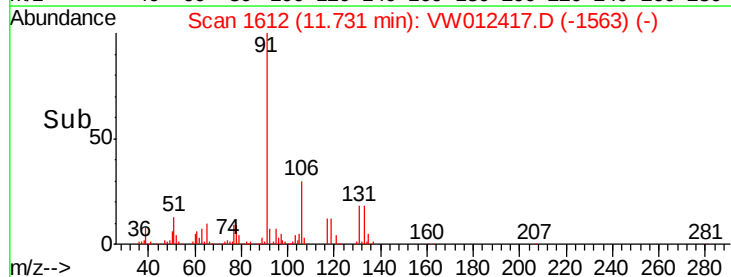
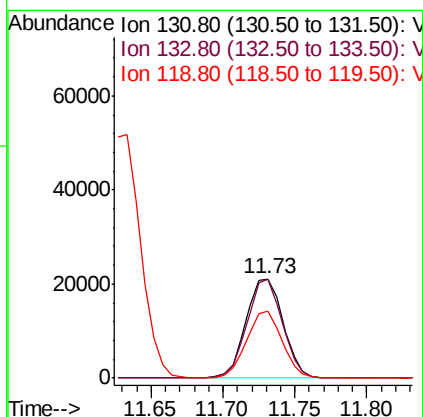
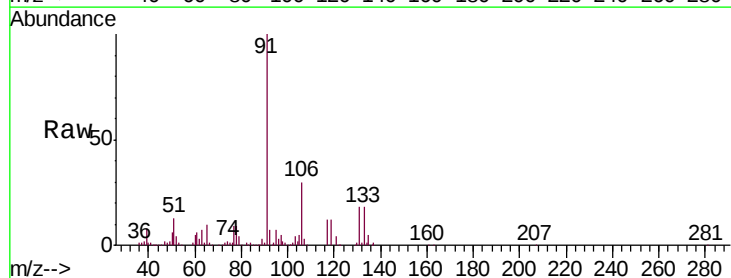
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBSD02

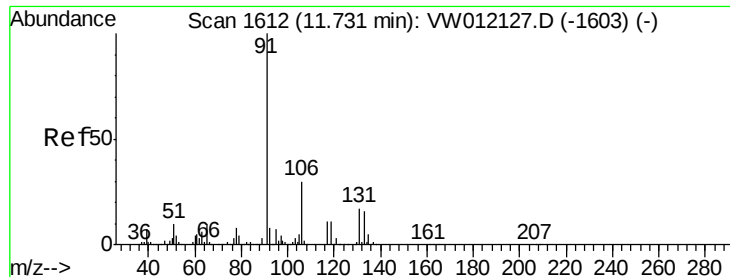
Tgt Ion:112 Resp: 105548
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.057 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion:131 Resp: 37730
Ion Ratio Lower Upper
131 100
133 94.4 47.1 141.3
119 64.4 31.8 95.3

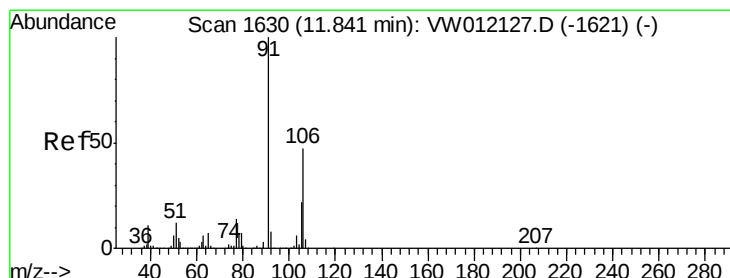
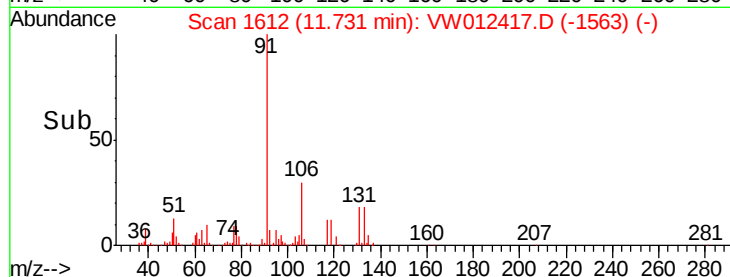
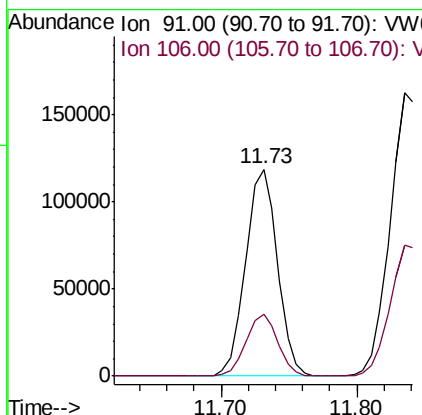
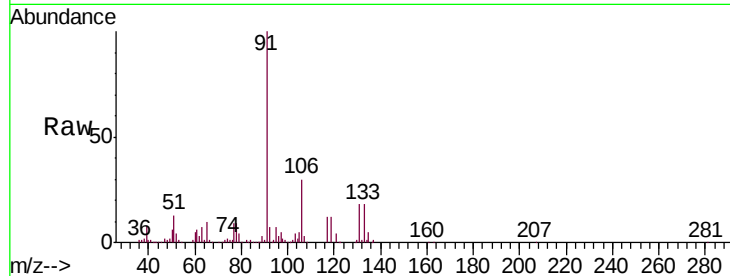




#67
Ethyl Benzene
Concen: 18.749 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

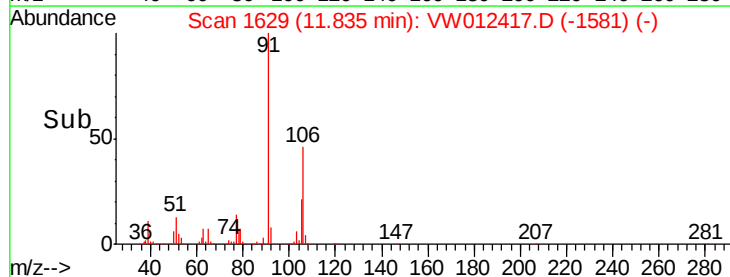
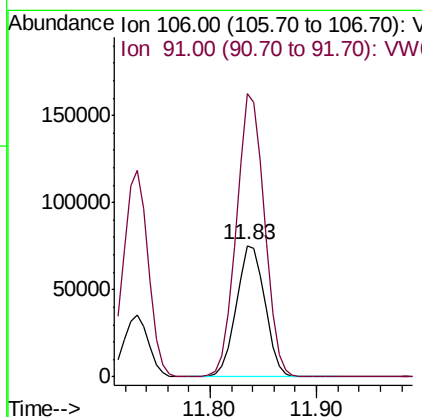
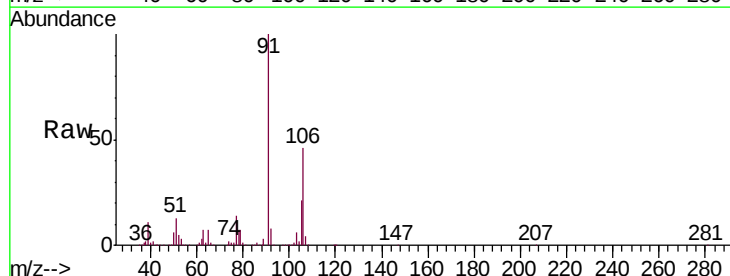
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

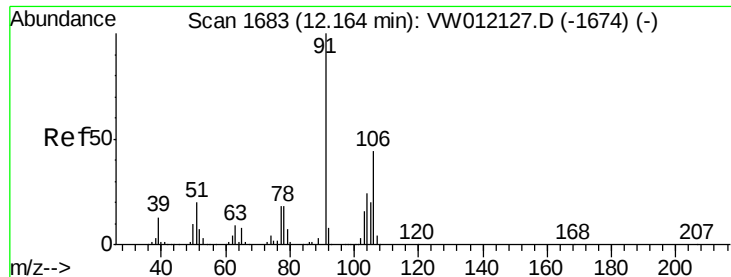
Tgt Ion: 91 Resp: 194746
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5



#68
m/p-Xylenes
Concen: 37.963 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion: 106 Resp: 142039
Ion Ratio Lower Upper
106 100
91 212.4 169.5 254.3

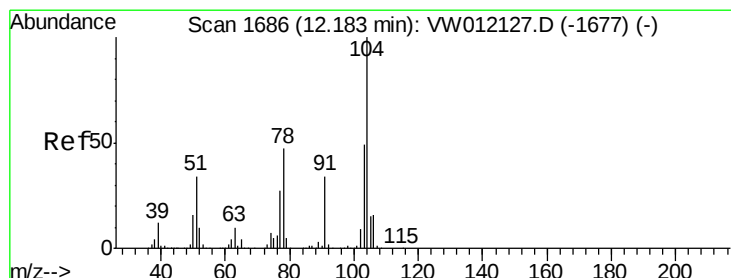
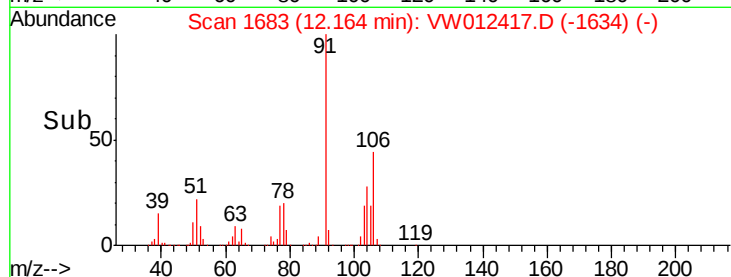
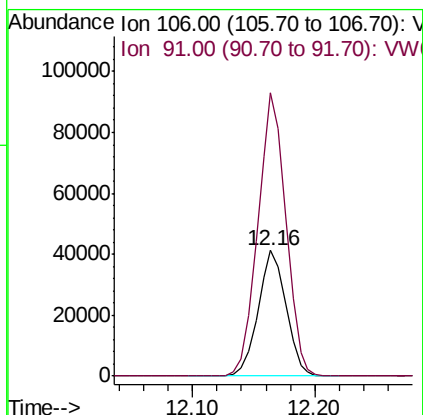
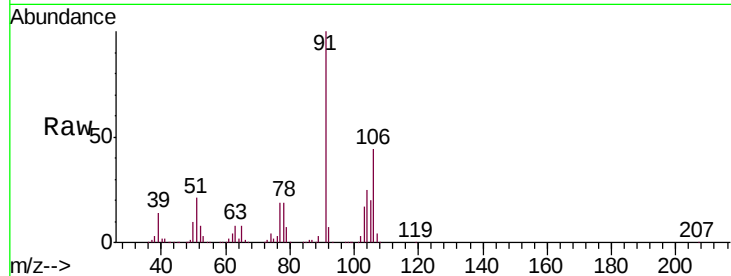




#69
o-Xylene
Concen: 19.000 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

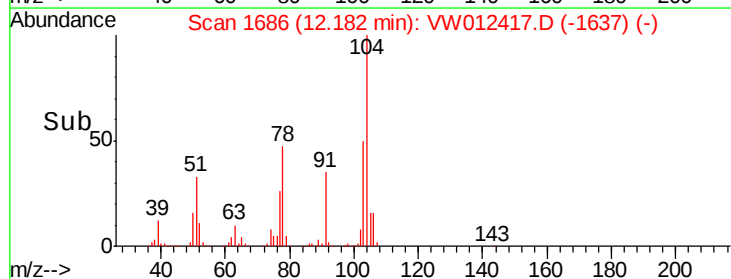
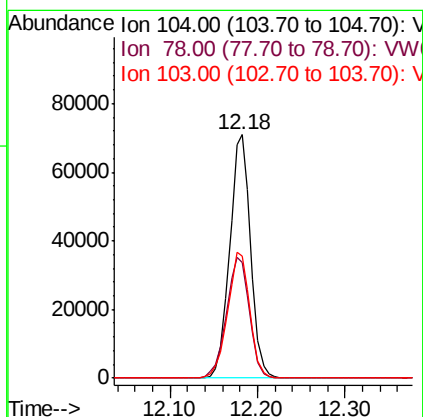
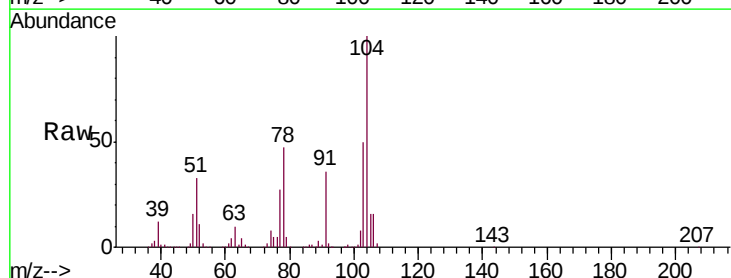
Instrument :
MSVOA_W
ClientSampled :
VW0831SBSD02

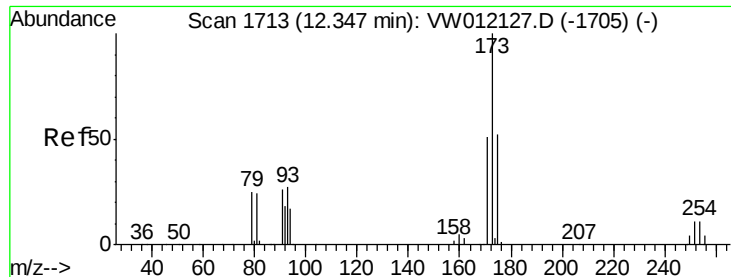
Tgt Ion:106 Resp: 65795
Ion Ratio Lower Upper
106 100
91 226.2 111.6 334.6



#70
Styrene
Concen: 19.668 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion:104 Resp: 117890
Ion Ratio Lower Upper
104 100
78 54.2 43.1 64.7
103 54.7 43.5 65.3





#71

Bromoform

Concen: 21.006 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBSD02

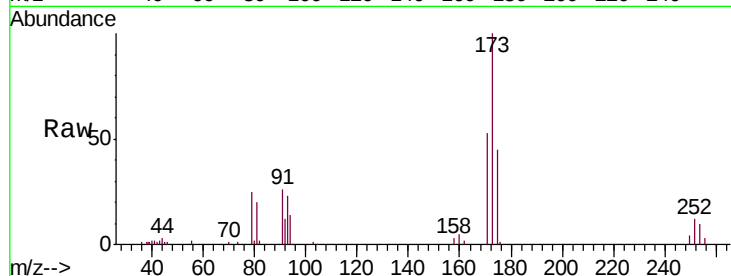
Tgt Ion:173 Resp: 19687

Ion Ratio Lower Upper

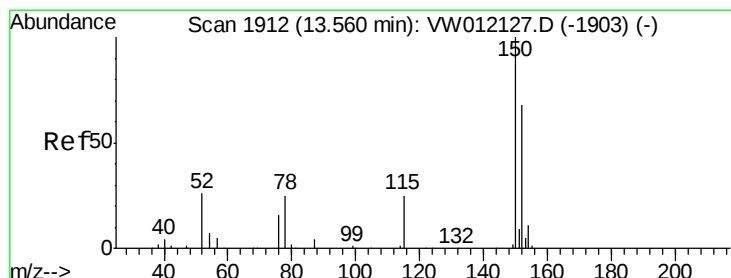
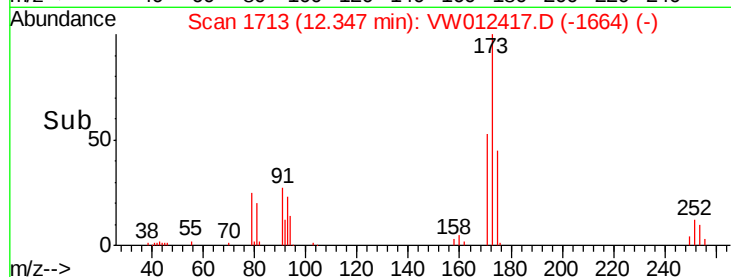
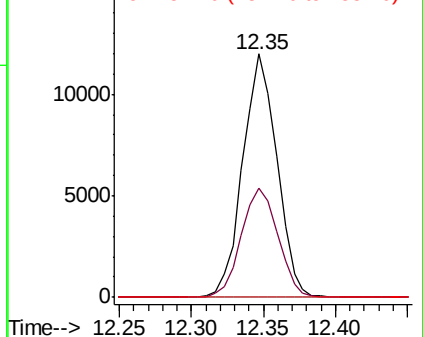
173 100

175 47.9 24.6 74.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

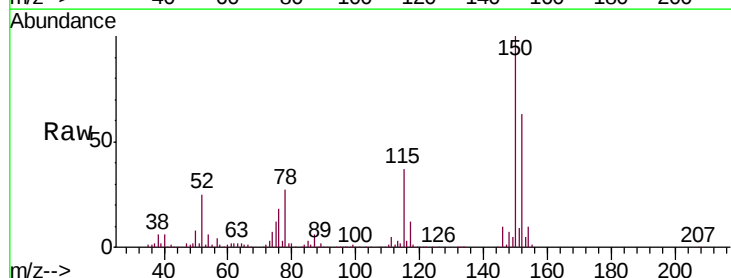
Tgt Ion:152 Resp: 135205

Ion Ratio Lower Upper

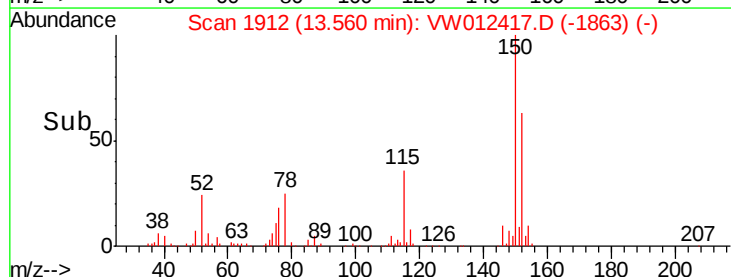
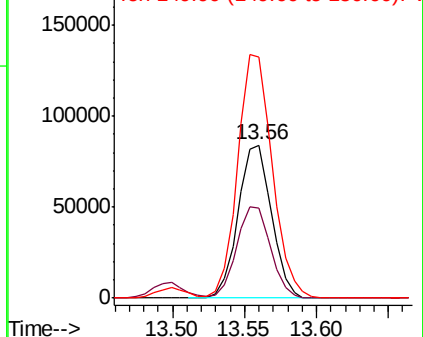
152 100

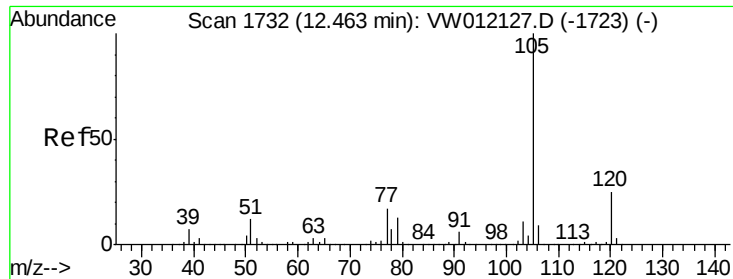
115 60.8 30.1 90.3

150 165.0 0.0 345.8



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





#73

Isopropylbenzene

Concen: 18.428 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

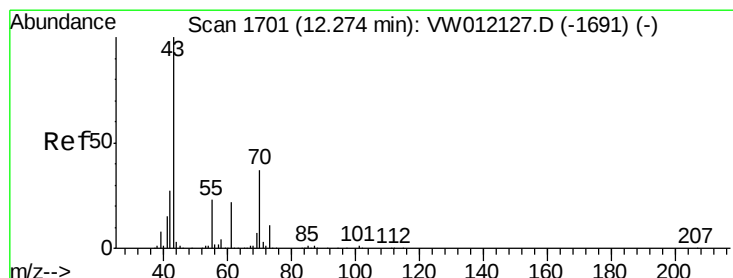
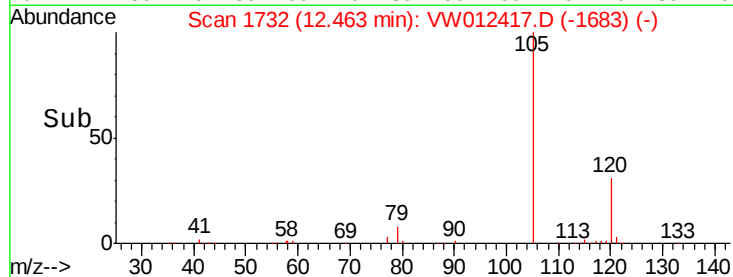
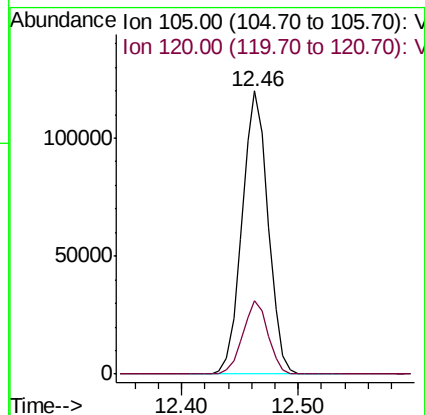
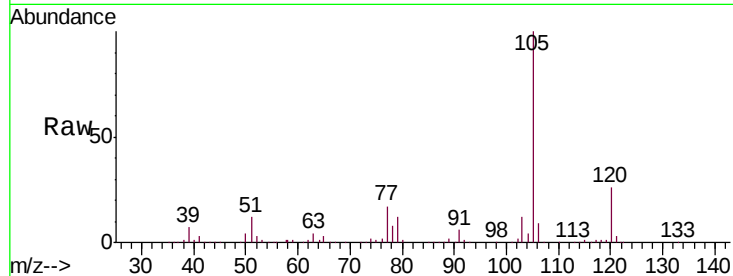
VW0831SBSD02

Tgt Ion:105 Resp: 186692

Ion Ratio Lower Upper

105 100

120 25.1 12.5 37.5



#74

N-ethyl acetate

Concen: 20.076 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Tgt Ion: 43 Resp: 61449

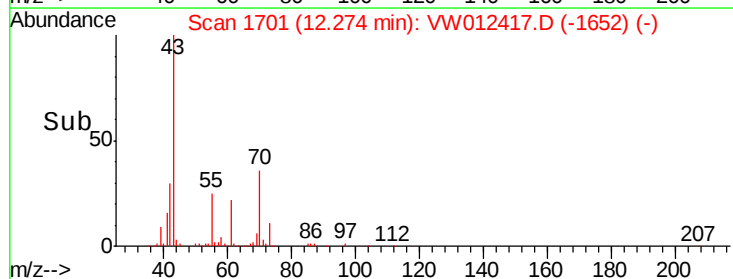
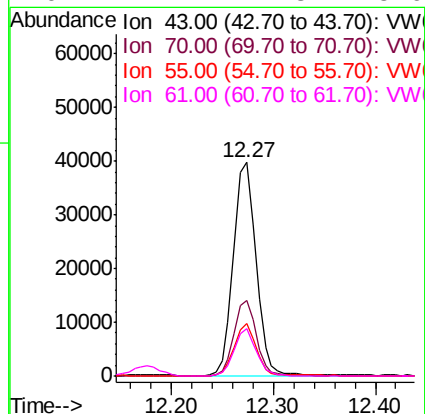
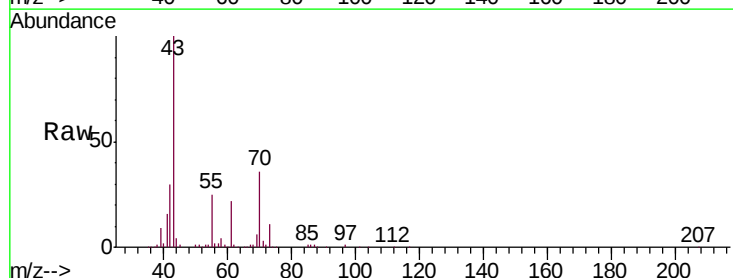
Ion Ratio Lower Upper

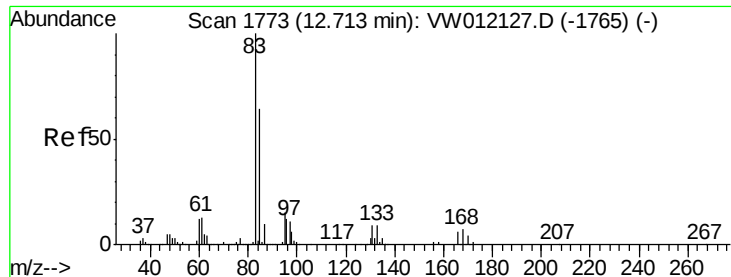
43 100

70 35.3 28.6 43.0

55 23.8 17.8 26.6

61 21.4 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.555 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBSD02

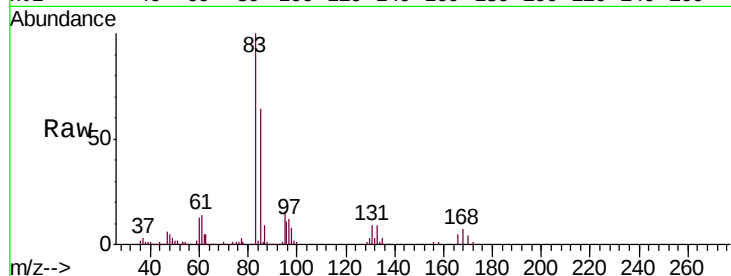
Tgt Ion: 83 Resp: 38178

Ion Ratio Lower Upper

83 100

131 10.5 4.9 14.7

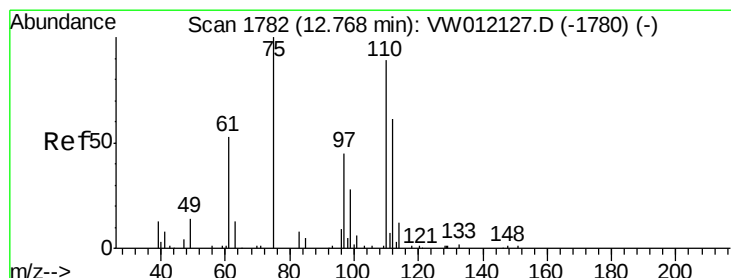
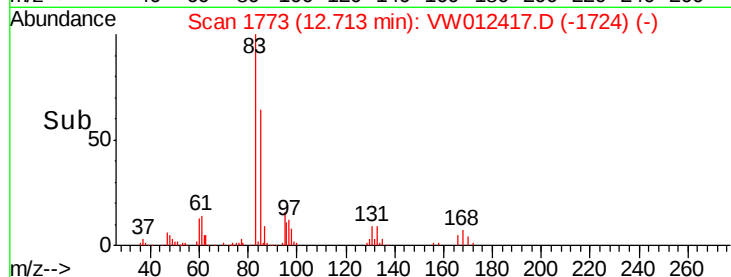
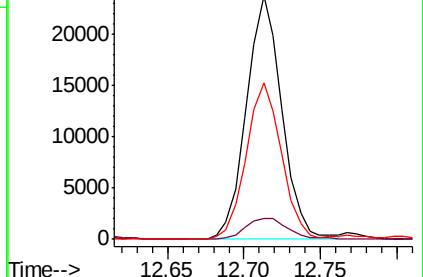
85 64.1 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.880 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012417.D

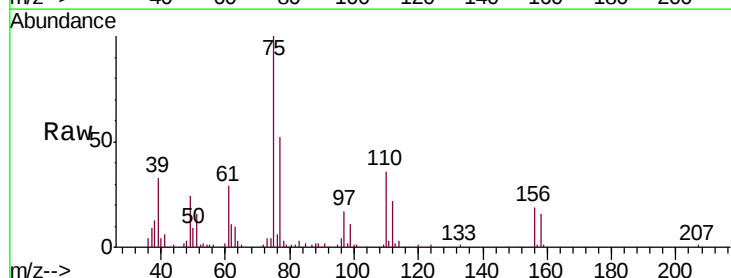
Acq: 31 Aug 2019 23:44

Tgt Ion: 75 Resp: 49880

Ion Ratio Lower Upper

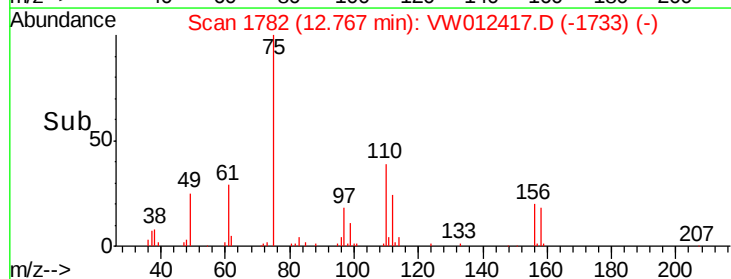
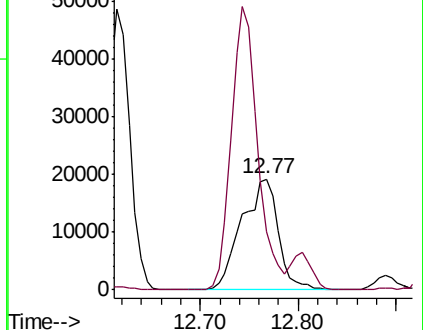
75 100

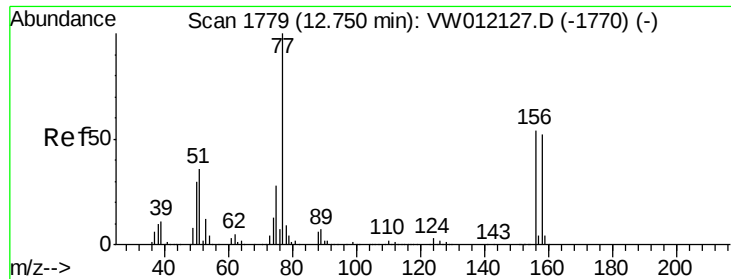
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.629 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBSD02

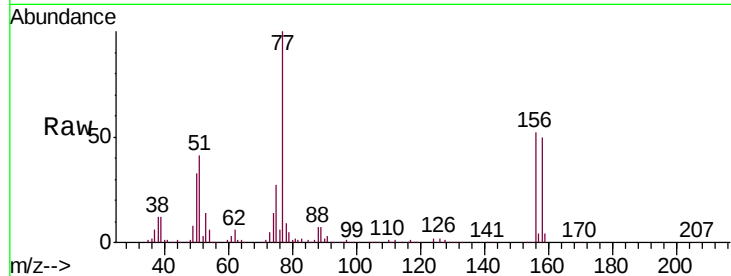
Tgt Ion:156 Resp: 43021

Ion Ratio Lower Upper

156 100

77 213.2 107.3 321.8

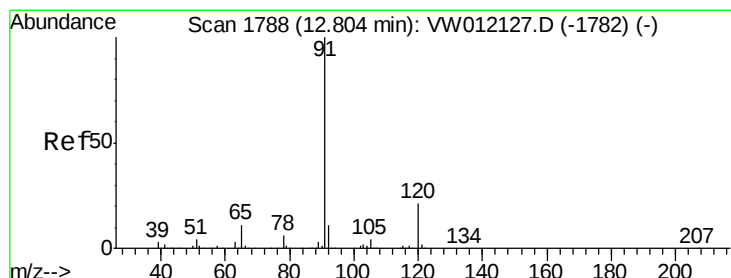
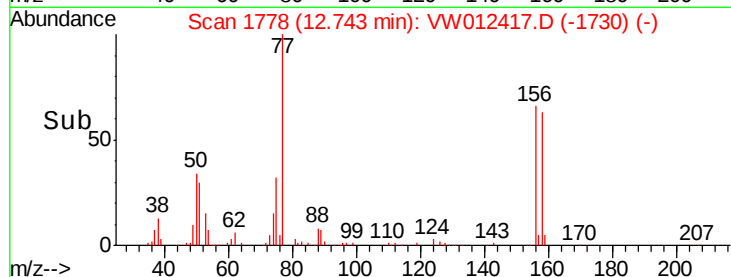
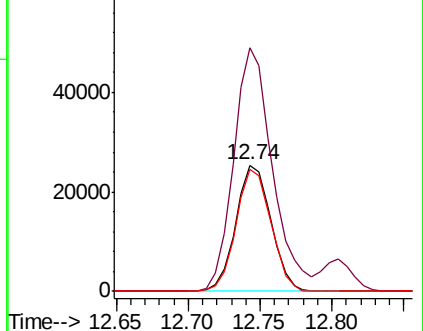
158 95.8 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.310 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012417.D

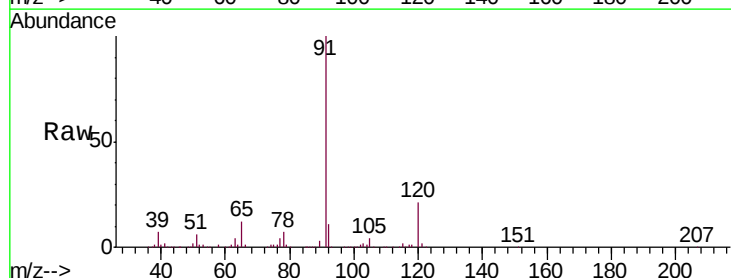
Acq: 31 Aug 2019 23:44

Tgt Ion: 91 Resp: 226455

Ion Ratio Lower Upper

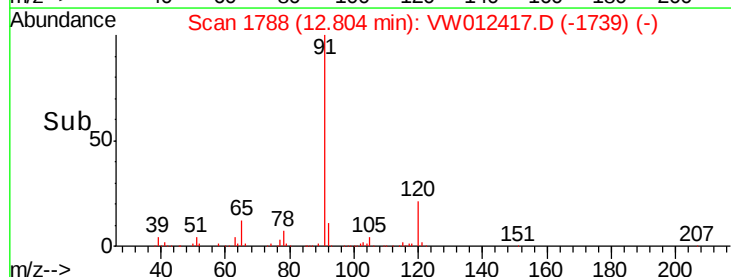
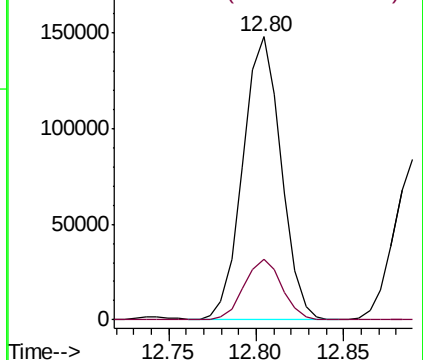
91 100

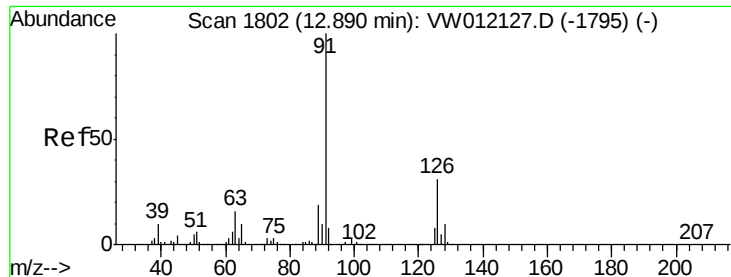
120 21.2 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.951 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

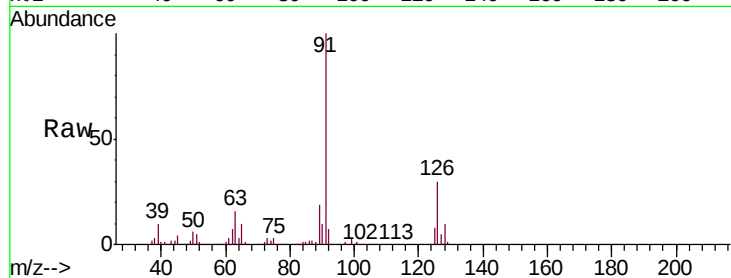
VW0831SBS02

Tgt Ion: 91 Resp: 133074

Ion Ratio Lower Upper

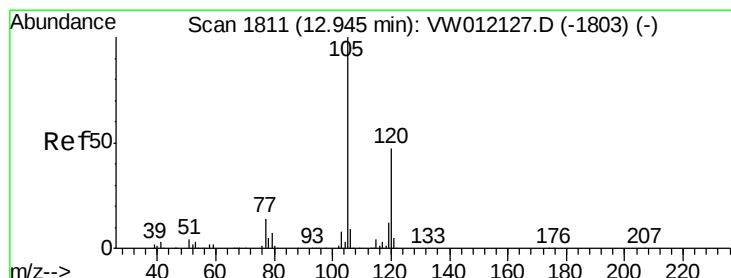
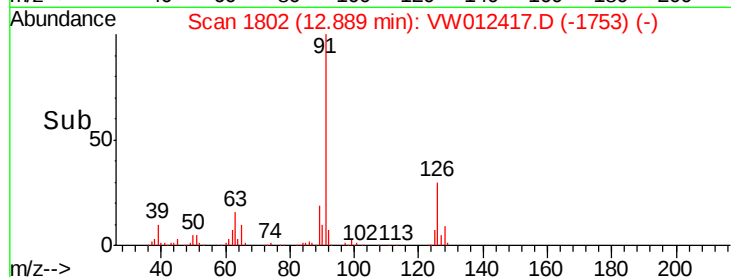
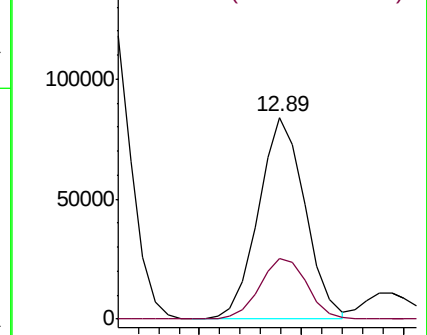
91 100

126 30.8 15.7 47.0



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: 19.040 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012417.D

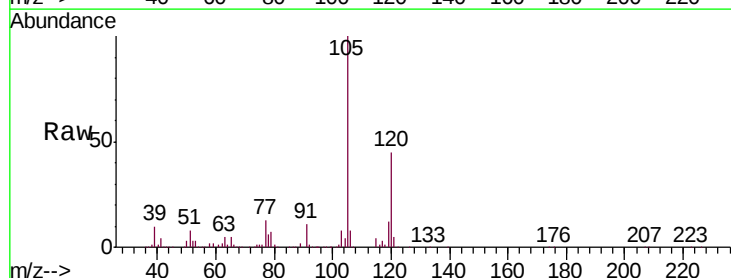
Acq: 31 Aug 2019 23:44

Tgt Ion: 105 Resp: 161183

Ion Ratio Lower Upper

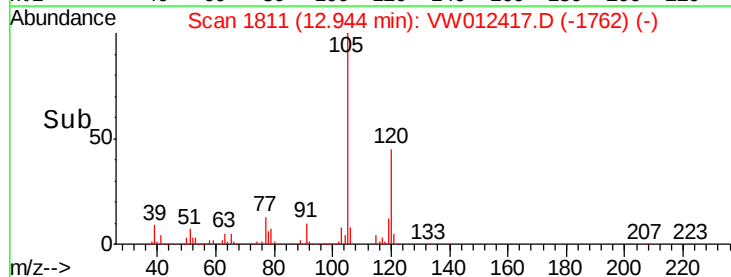
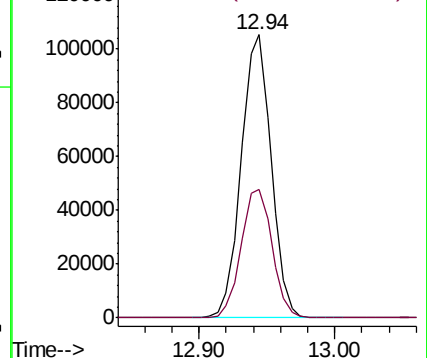
105 100

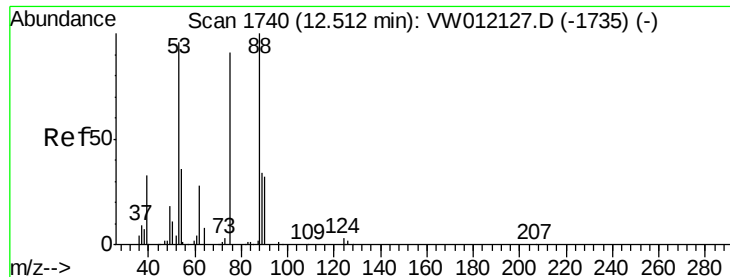
120 47.3 24.0 72.0



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: 18.244 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBSD02

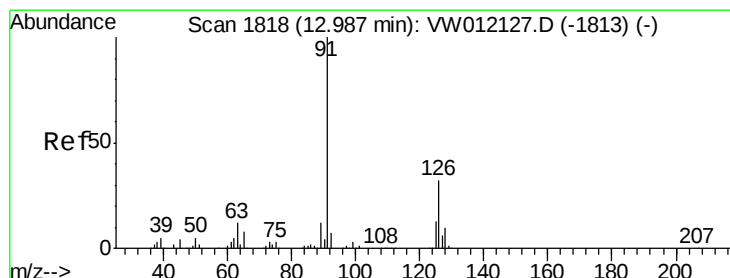
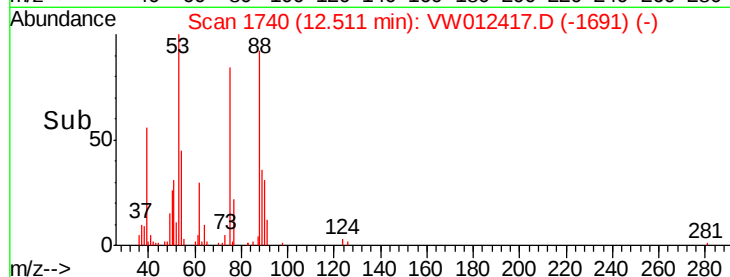
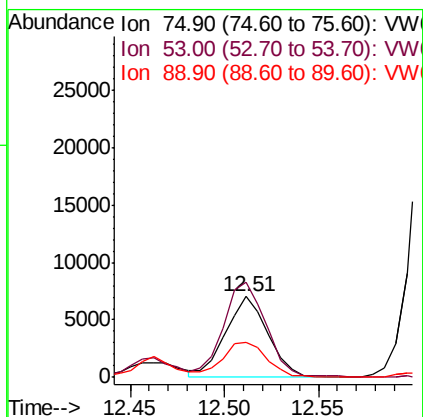
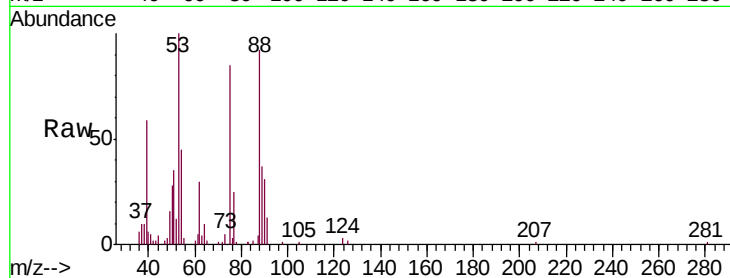
Tgt Ion: 75 Resp: 10957

Ion Ratio Lower Upper

75 100

53 120.0 89.4 134.0

89 44.7 34.5 51.7



#82

4-Chlorotoluene

Concen: 19.075 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012417.D

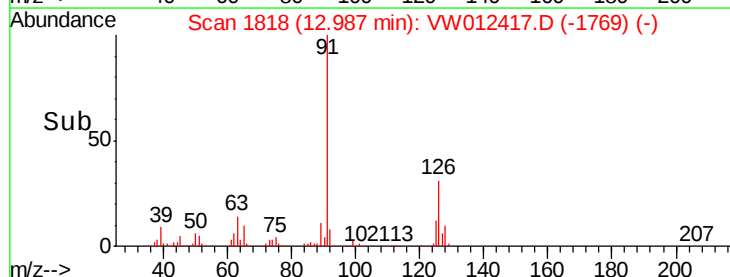
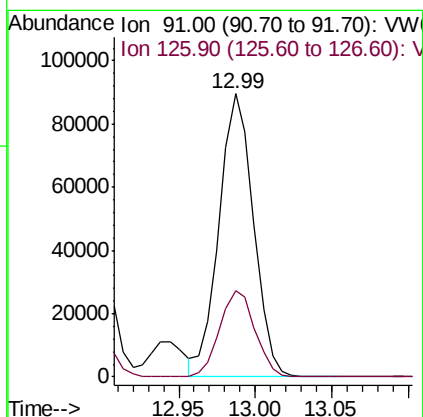
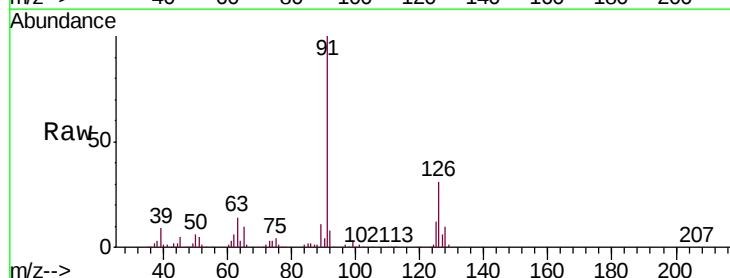
Acq: 31 Aug 2019 23:44

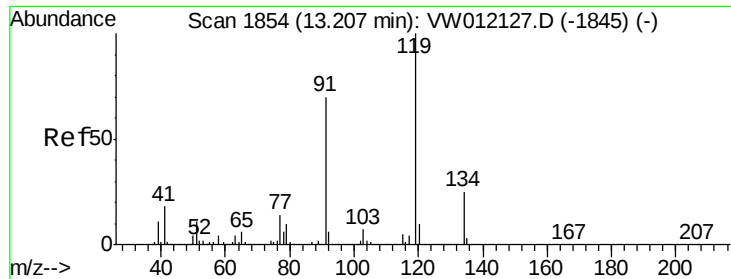
Tgt Ion: 91 Resp: 140244

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8

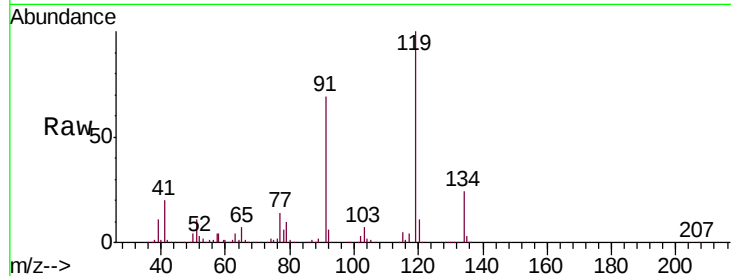




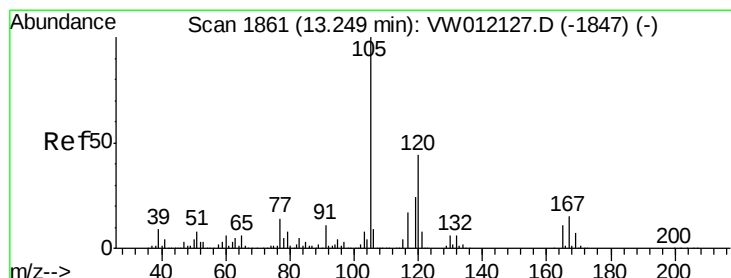
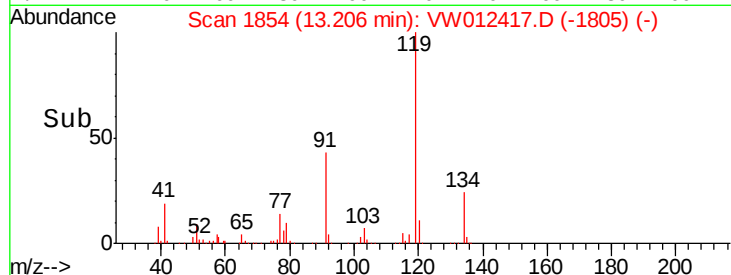
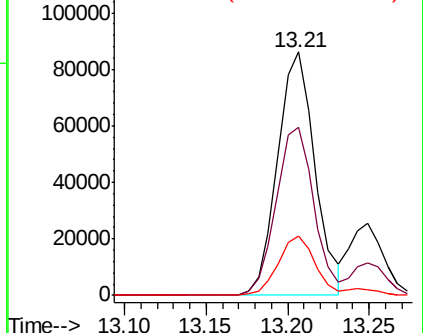
#83
 tert-Butylbenzene
 Concen: 19.024 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tgt Ion:119 Resp: 136424
 Ion Ratio Lower Upper
 119 100
 91 69.9 34.8 104.3
 134 24.4 13.3 39.8

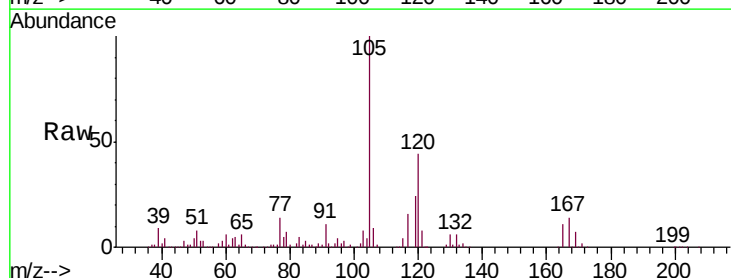


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

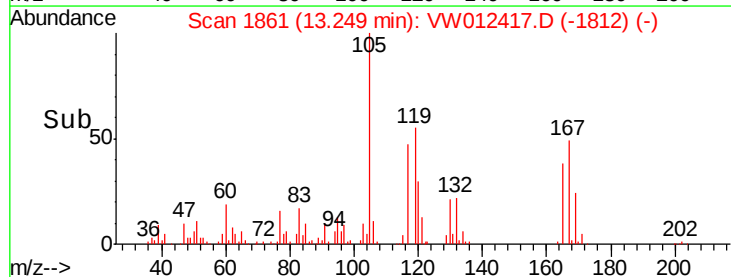
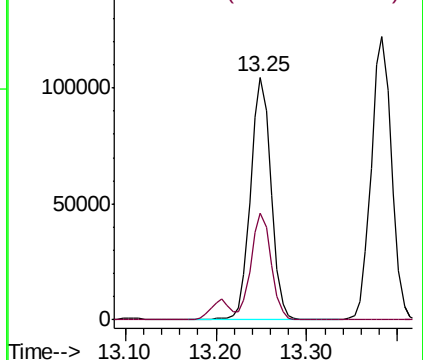


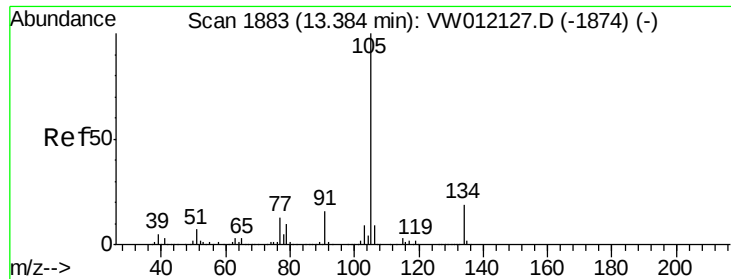
#84
 1,2,4-Trimethylbenzene
 Concen: 19.274 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion:105 Resp: 163903
 Ion Ratio Lower Upper
 105 100
 120 42.6 21.9 65.7



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





#85

sec-Butylbenzene

Concen: 18.470 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

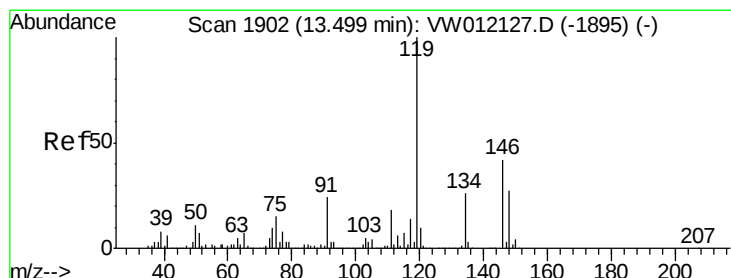
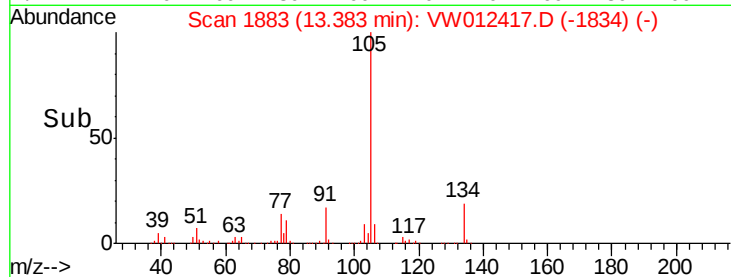
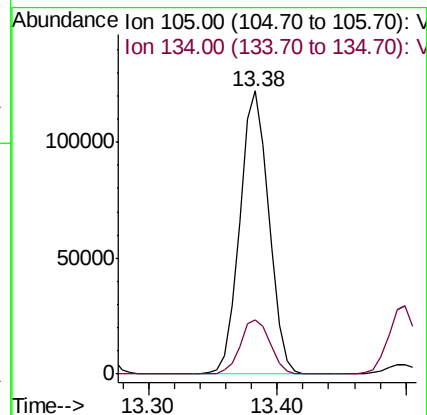
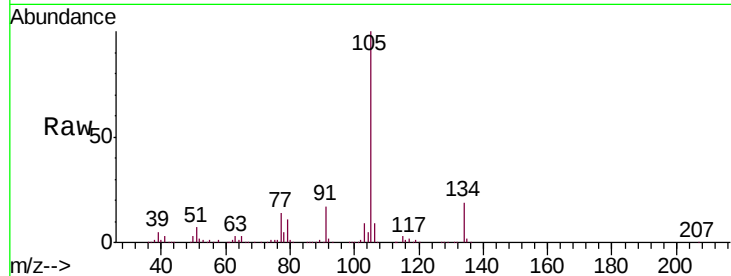
VW0831SBSD02

Tgt Ion:105 Resp: 189756

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.4



#86

p-Isopropyltoluene

Concen: 18.740 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

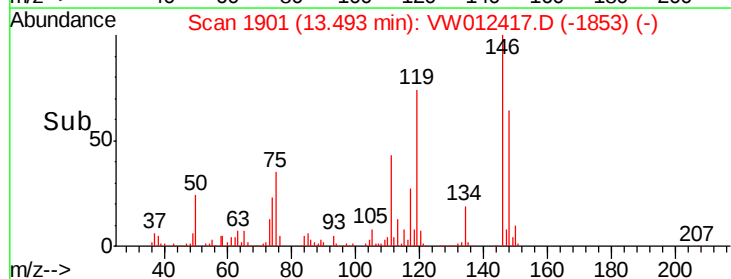
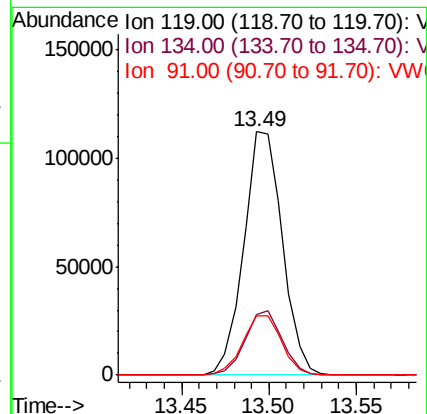
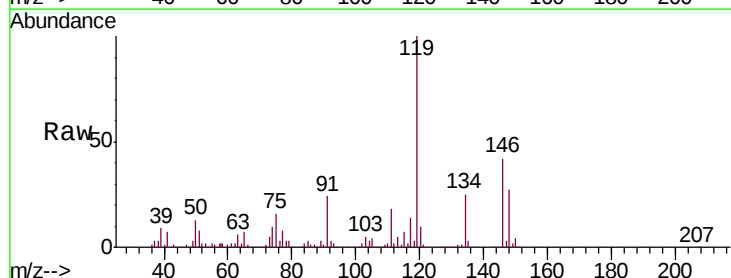
Tgt Ion:119 Resp: 171941

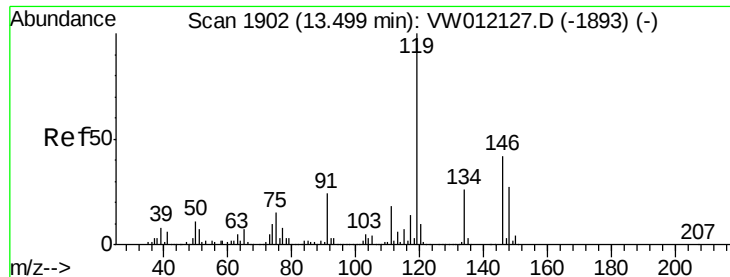
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 24.8 12.3 36.9

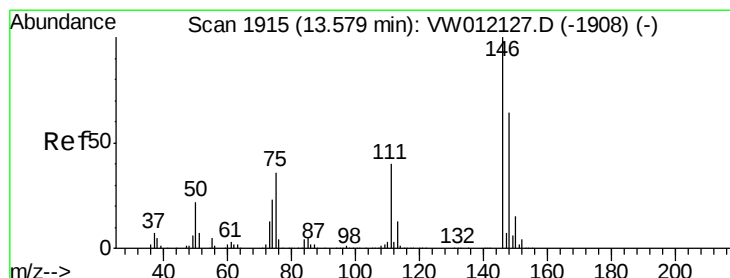
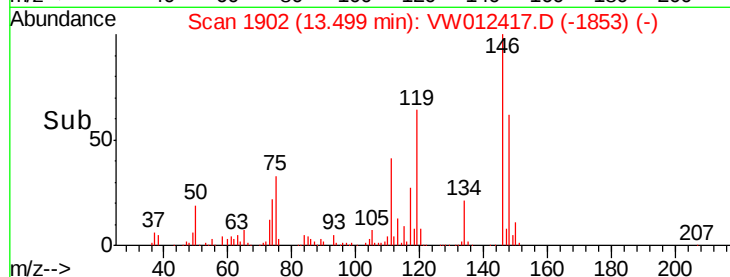
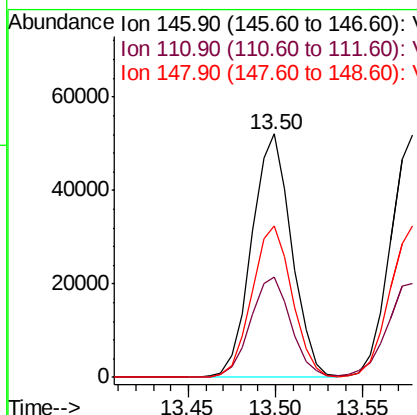
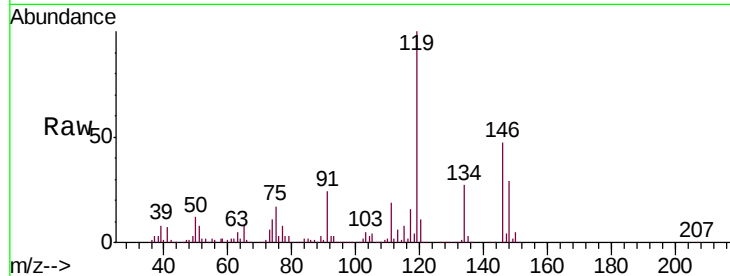




#87
 1,3-Dichlorobenzene
 Concen: 19.362 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

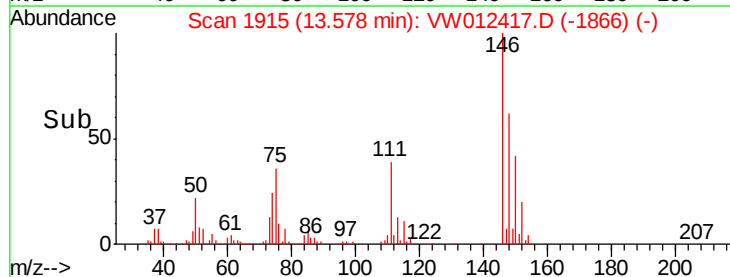
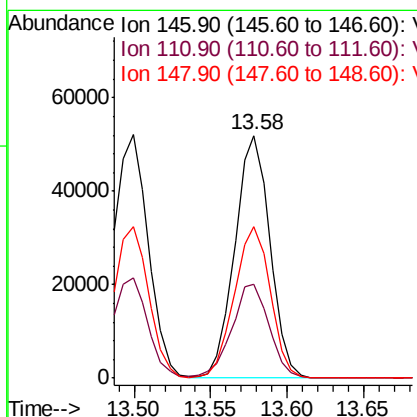
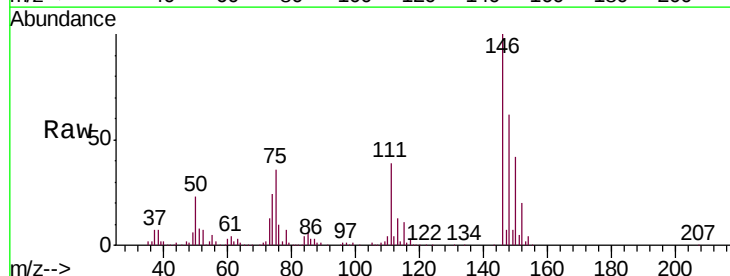
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

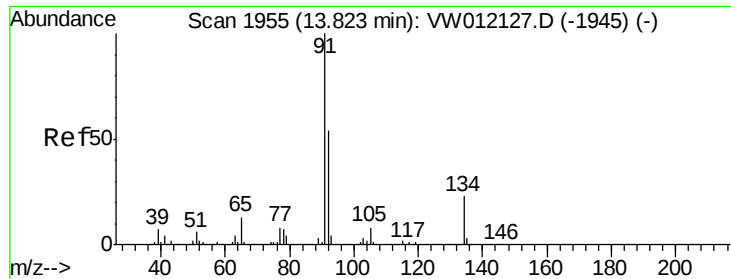
Tgt Ion:146 Resp: 83004
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.9 62.7
 148 62.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.411 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion:146 Resp: 82628
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.0 60.0
 148 64.1 32.1 96.3





#89

n-Butylbenzene

Concen: 18.031 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

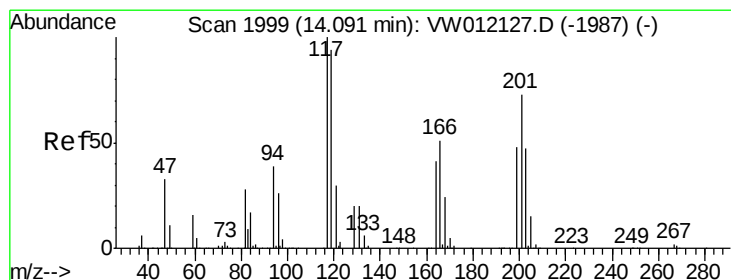
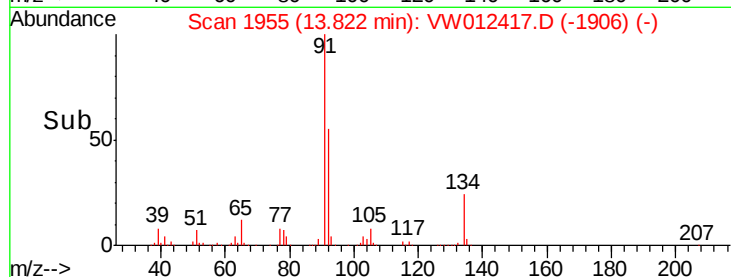
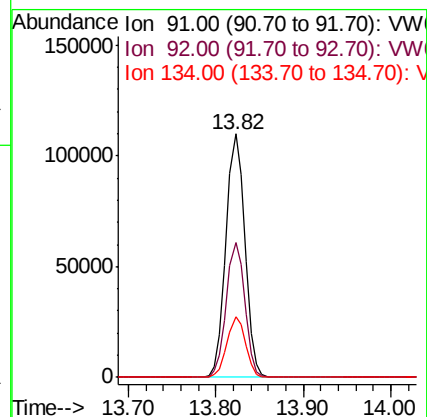
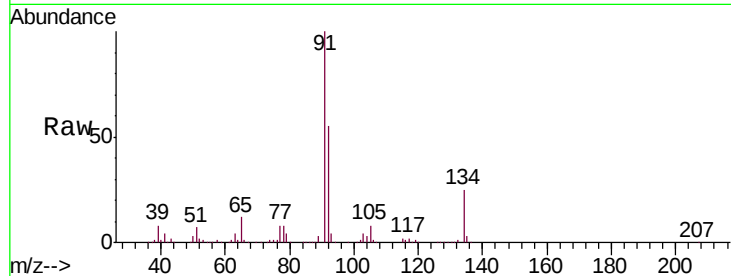
Tgt Ion: 91 Resp: 164513

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.2

134 24.4 12.2 36.4



#90

Hexachloroethane

Concen: 19.048 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012417.D

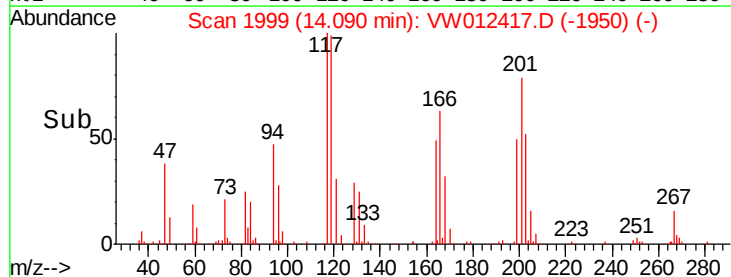
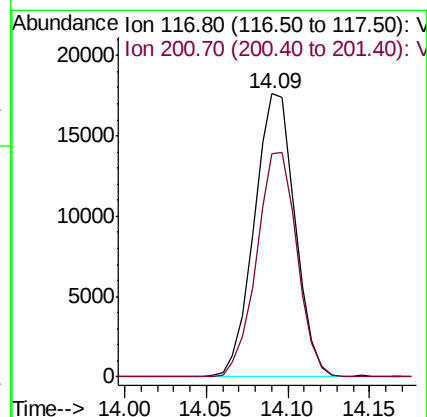
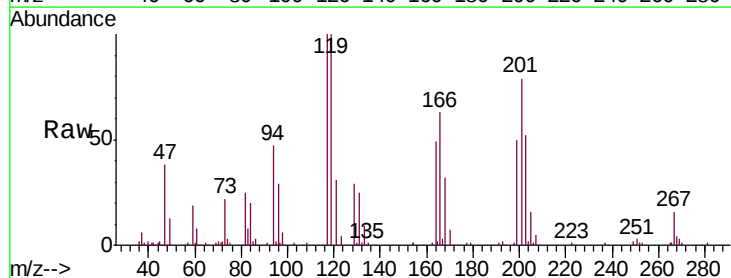
Acq: 31 Aug 2019 23:44

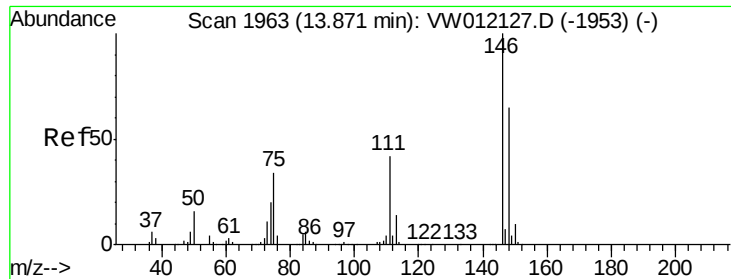
Tgt Ion: 117 Resp: 30662

Ion Ratio Lower Upper

117 100

201 78.6 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 19.605 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

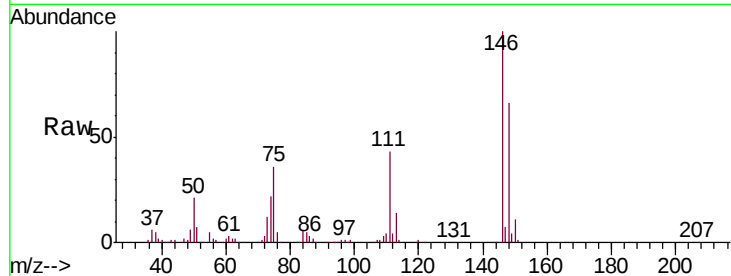
Tgt Ion:146 Resp: 73731

Ion Ratio Lower Upper

146 100

111 43.9 21.2 63.6

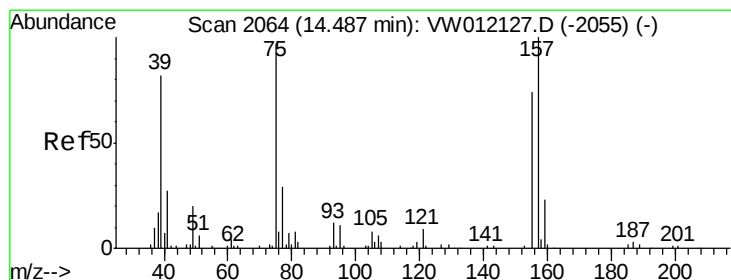
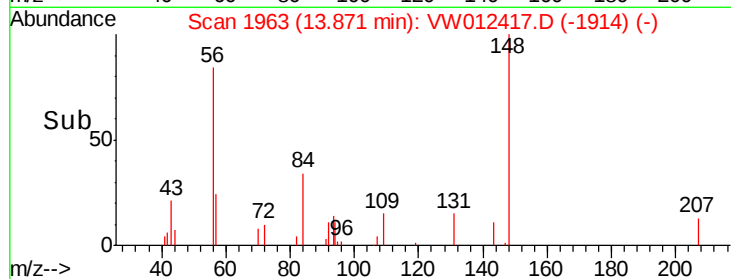
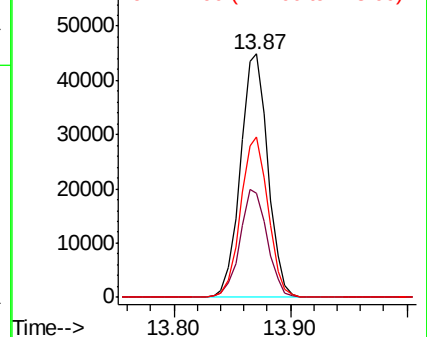
148 65.8 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.969 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012417.D

Acq: 31 Aug 2019 23:44

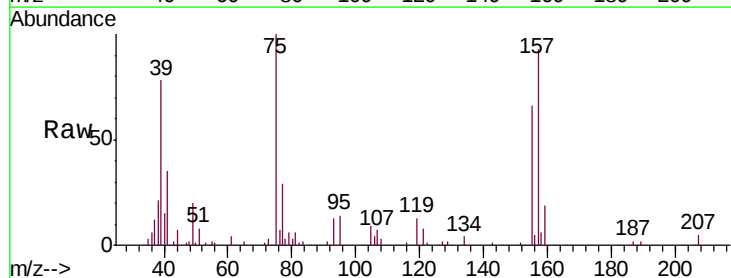
Tgt Ion: 75 Resp: 6879

Ion Ratio Lower Upper

75 100

155 72.7 37.5 112.3

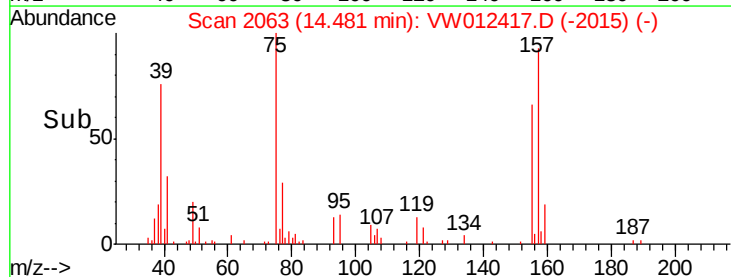
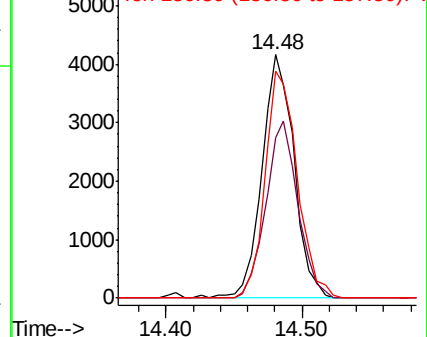
157 93.5 50.5 151.5

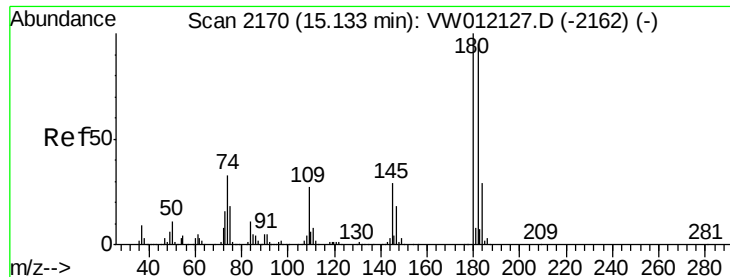


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

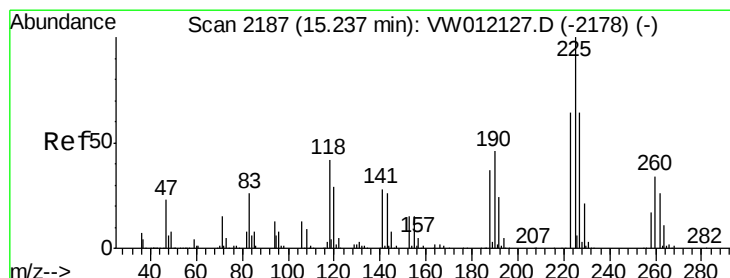
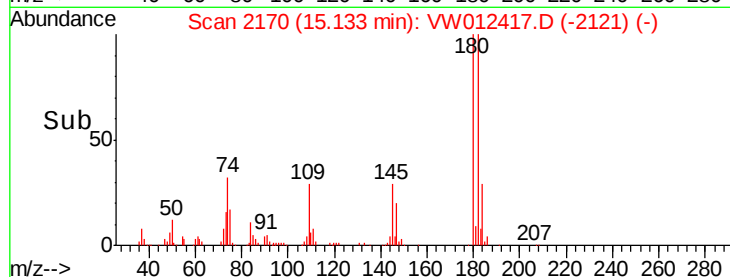
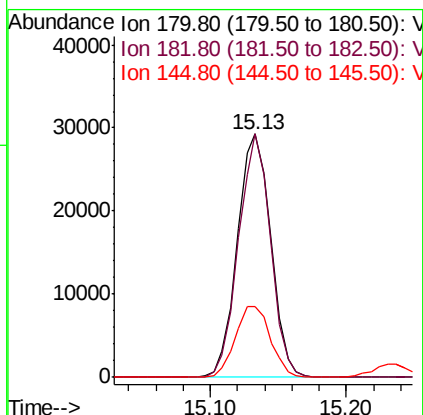
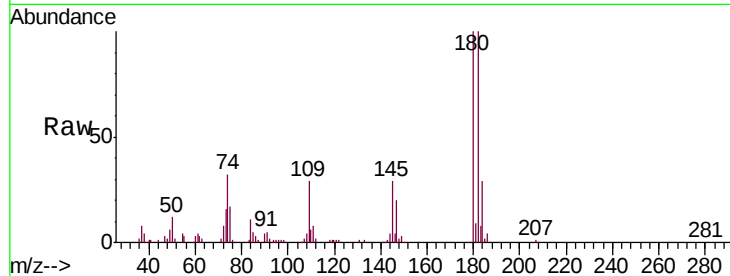




#93
 1,2,4-Trichlorobenzene
 Concen: 19.334 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

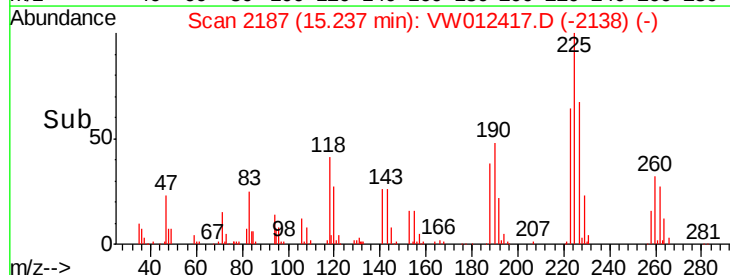
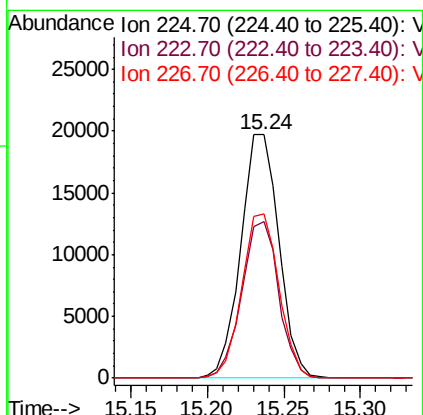
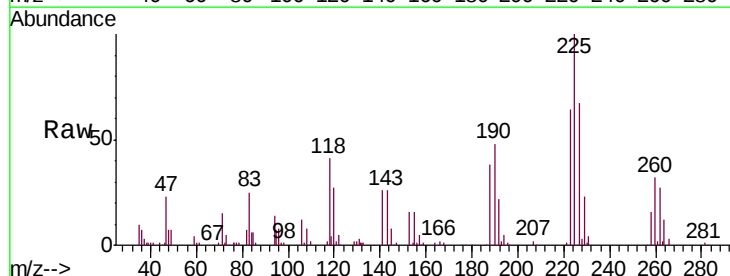
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

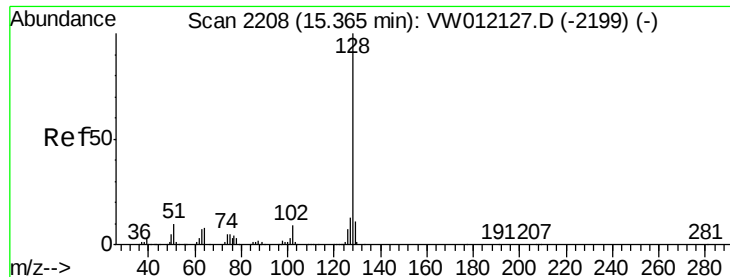
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.4
145	30.6	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 19.934 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012417.D
 Acq: 31 Aug 2019 23:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.3	96.8
227	65.7	32.9	98.6

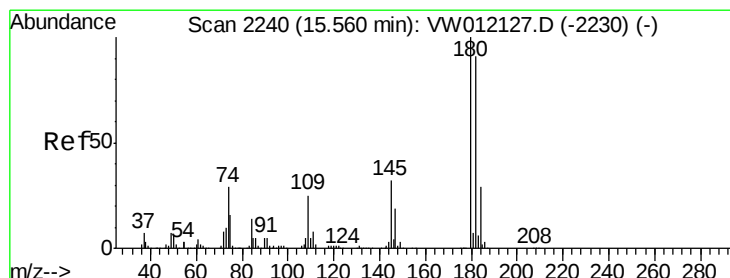
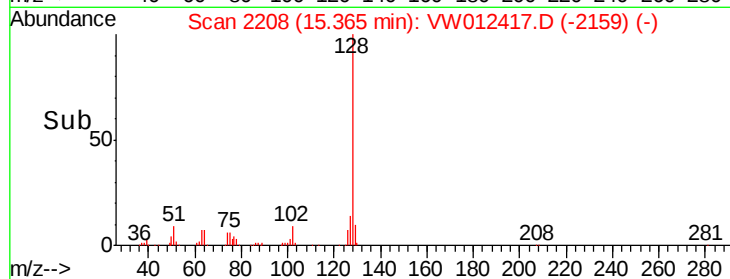
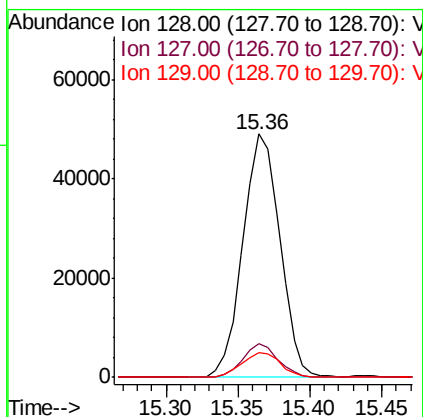
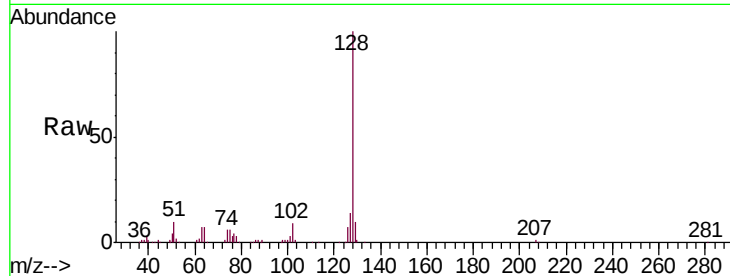




#95
Naphthalene
Concen: 20.022 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Tgt Ion:128 Resp: 87647
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.549 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012417.D
Acq: 31 Aug 2019 23:44

Tgt Ion:180 Resp: 44327
Ion Ratio Lower Upper
180 100
182 96.7 47.1 141.3
145 33.0 16.2 48.5

