

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016406.D
 Acq On : 31 Aug 2020 13:03
 Operator : SY/VA
 Sample : VW0831SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Quant Time: Sep 01 02:57:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 15:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	176328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	272722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	241959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	88560	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.88	113	86675	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	10.33	98	332983	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.62	95	122922	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23133	23.278	ug/l	95
3) Chloromethane	2.21	50	18191	19.028	ug/l	97
4) Vinyl Chloride	2.36	62	28467	20.429	ug/l	94
5) Bromomethane	2.78	94	19469	19.787	ug/l	96
6) Chloroethane	2.92	64	17084	20.597	ug/l	89
7) Trichlorofluoromethane	3.26	101	37686	22.369	ug/l	98
8) Diethyl Ether	3.68	74	16382	19.318	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.07	101	34369	20.900	ug/l	99
10) Methyl Iodide	4.27	142	52392	20.848	ug/l	99
11) Tert butyl alcohol	5.21	59	10682	92.766	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	33662	20.060	ug/l	93
13) Acrolein	3.90	56	7620	93.709	ug/l	95
14) Allyl chloride	4.67	41	41276	19.678	ug/l	98
15) Acrylonitrile	5.37	53	29984	94.966	ug/l	99
16) Acetone	4.14	43	27764	92.628	ug/l	99
17) Carbon Disulfide	4.38	76	98586	20.925	ug/l	100
18) Methyl Acetate	4.68	43	11910	17.425	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	51009	19.896	ug/l	99
20) Methylene Chloride	4.92	84	41148	18.161	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	38331	20.380	ug/l	99
22) Diisopropyl ether	6.32	45	82668	19.910	ug/l	99
23) Vinyl Acetate	6.26	43	245624	96.530	ug/l	98
24) 1,1-Dichloroethane	6.21	63	61319	20.484	ug/l	98
25) 2-Butanone	7.18	43	37190	91.448	ug/l	92
26) 2,2-Dichloropropane	7.16	77	49880	21.574	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	39685	19.475	ug/l	98
28) Bromochloromethane	7.51	49	20652	18.993	ug/l #	99
29) Tetrahydrofuran	7.53	42	21851	90.007	ug/l	100
30) Chloroform	7.68	83	68976	20.743	ug/l	100
31) Cyclohexane	7.96	56	54904	20.012	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	63792	21.301	ug/l	100
36) 1,1-Dichloropropene	8.09	75	54399	20.960	ug/l	99
37) Ethyl Acetate	7.26	43	16978	19.309	ug/l	97
38) Carbon Tetrachloride	8.07	117	61281	21.548	ug/l	99

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Quant Time: Sep 01 02:57:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 15:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	64987	20.679	ug/l	100
40) Benzene	8.32	78	143816	20.697	ug/l	98
41) Methacrylonitrile	7.48	41	9860	19.476	ug/l	98
42) 1,2-Dichloroethane	8.40	62	43724	20.630	ug/l	100
43) Isopropyl Acetate	8.43	43	33337	18.999	ug/l	98
44) Trichloroethene	9.09	130	42480	20.432	ug/l	97
45) 1,2-Dichloropropane	9.37	63	31540	19.566	ug/l	99
46) Dibromomethane	9.46	93	19035	19.875	ug/l	99
47) Bromodichloromethane	9.65	83	49706	20.123	ug/l	95
48) Methyl methacrylate	9.44	41	15399	18.407	ug/l	98
49) 1,4-Dioxane	9.46	88	4924	377.439	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	81122	93.500	ug/l	98
52) Toluene	10.39	92	96793	20.776	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	48200	20.065	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	56654	20.241	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	27674	20.266	ug/l	92
56) Ethyl methacrylate	10.65	69	30200	18.926	ug/l	97
57) 1,3-Dichloropropane	10.93	76	44803	19.746	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	66355	92.610	ug/l	99
59) 2-Hexanone	10.97	43	55668	94.047	ug/l	97
60) Dibromochloromethane	11.13	129	34590	20.033	ug/l	99
61) 1,2-Dibromoethane	11.24	107	25909	19.347	ug/l	94
64) Tetrachloroethene	10.87	164	36621	22.034	ug/l	96
65) Chlorobenzene	11.66	112	104225	20.915	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	38866	21.064	ug/l	98
67) Ethyl Benzene	11.73	91	189594	21.311	ug/l	98
68) m/p-Xylenes	11.84	106	147089	43.305	ug/l	96
69) o-Xylene	12.17	106	66263	21.215	ug/l	97
70) Styrene	12.18	104	112349	21.105	ug/l	99
71) Bromoform	12.35	173	18968	20.203	ug/l #	97
73) Isopropylbenzene	12.47	105	190963	21.358	ug/l	99
74) N-amyl acetate	12.27	43	29699	18.981	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	29186	19.829	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	38051	35.488	ug/l	31
77) Bromobenzene	12.75	156	42766	20.575	ug/l	97
78) n-propylbenzene	12.80	91	225550	21.489	ug/l	99
79) 2-Chlorotoluene	12.90	91	129347	20.925	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	166803	21.270	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	9436	19.538	ug/l	96
82) 4-Chlorotoluene	12.99	91	136388	21.104	ug/l	98
83) tert-Butylbenzene	13.21	119	138368	21.002	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	166655	21.307	ug/l	100
85) sec-Butylbenzene	13.38	105	191902	21.036	ug/l	99
86) p-Isopropyltoluene	13.50	119	184193	21.628	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	83128	20.835	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	84387	21.022	ug/l	97
89) n-Butylbenzene	13.82	91	160907	20.579	ug/l	98
90) Hexachloroethane	14.10	117	32560	20.363	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	71941	20.129	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5164	19.301	ug/l	99

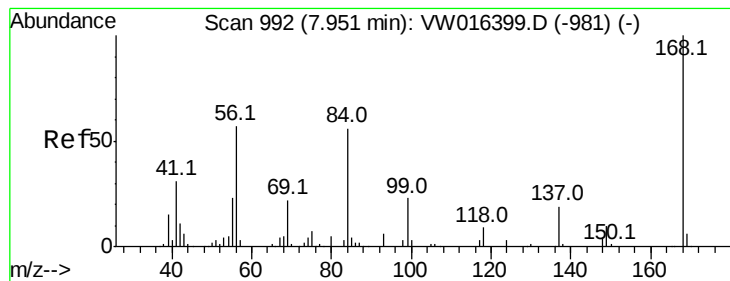
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 28 15:01:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	46203	19.474	ug/l	95
94) Hexachlorobutadiene	15.24	225	29730	20.990	ug/l	97
95) Naphthalene	15.37	128	79774	18.170	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	38838	18.683	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

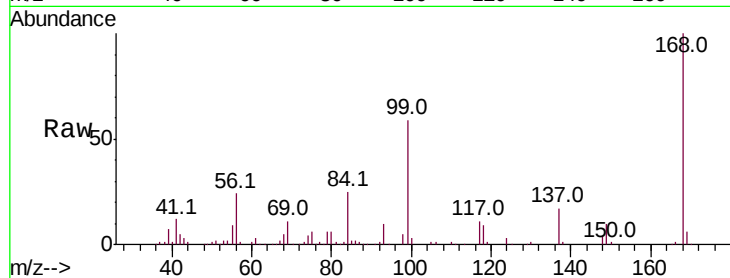
VW0831SBS01

Tot Ion:168 Resp: 176328

Ion Ratio Lower Upper

168 100

99 59.0 49.0 73.4



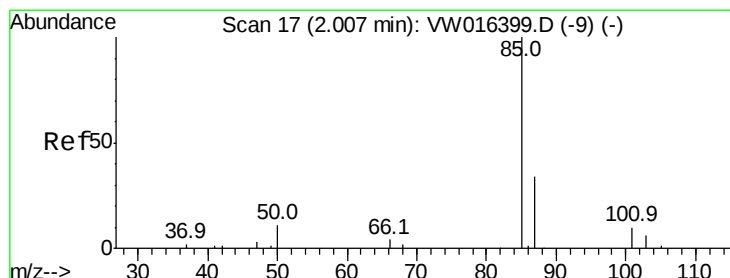
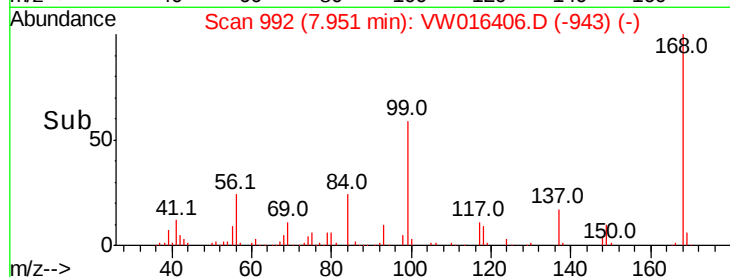
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.278 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016406.D

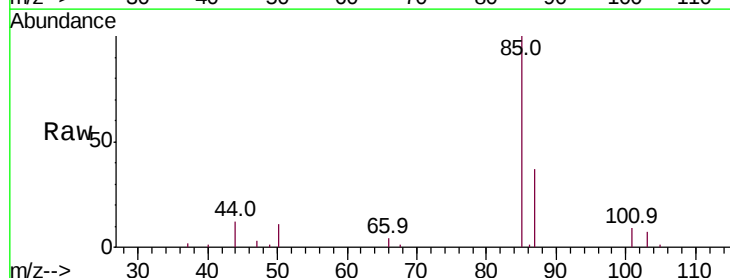
Acq: 31 Aug 2020 13:03

Tgt Ion: 85 Resp: 23133

Ion Ratio Lower Upper

85 100

87 36.8 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VW

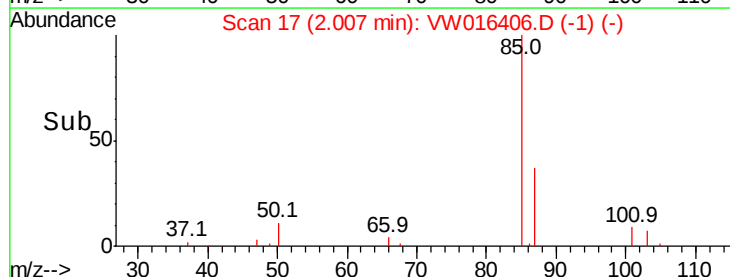
Ion 86.90 (86.60 to 87.60): VW

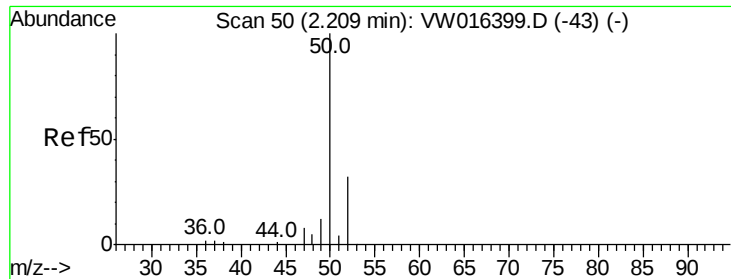
2.01

2.10

2.20

Time-->





#3

Chloromethane

Concen: 19.028 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

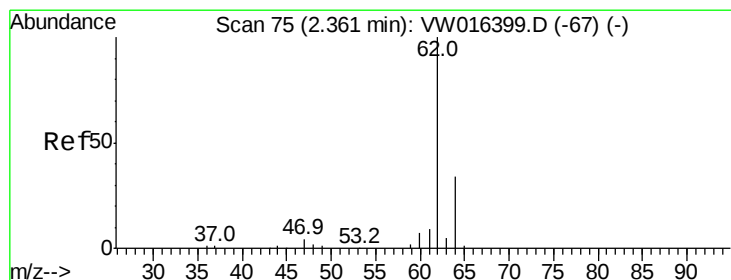
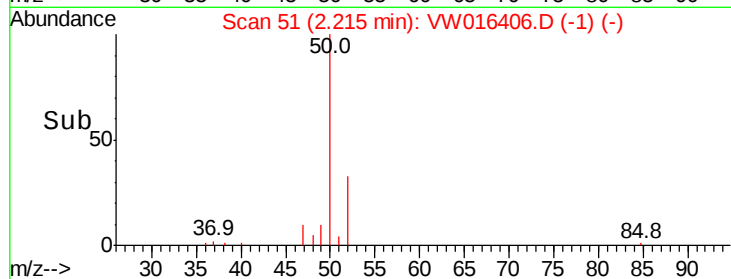
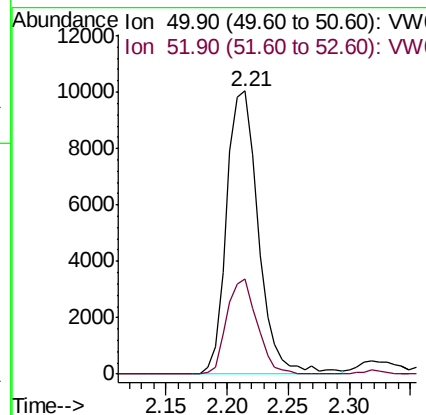
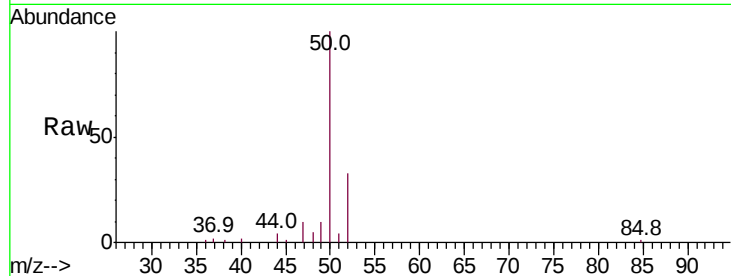
VW0831SBS01

Tot Ion: 50 Resp: 18191

Ion Ratio Lower Upper

50 100

52 33.5 25.5 38.3



#4

Vinyl Chloride

Concen: 20.429 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW016406.D

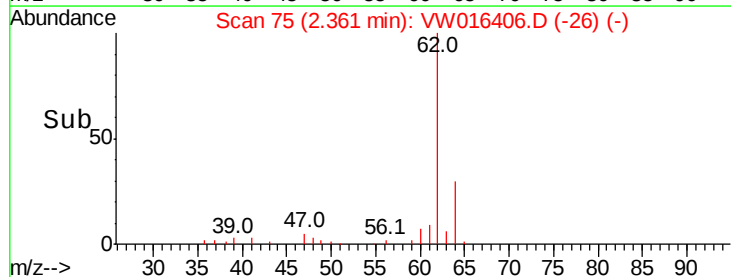
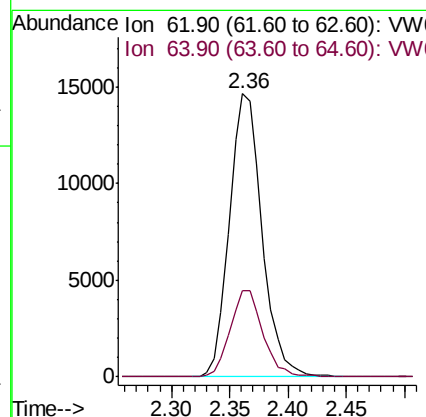
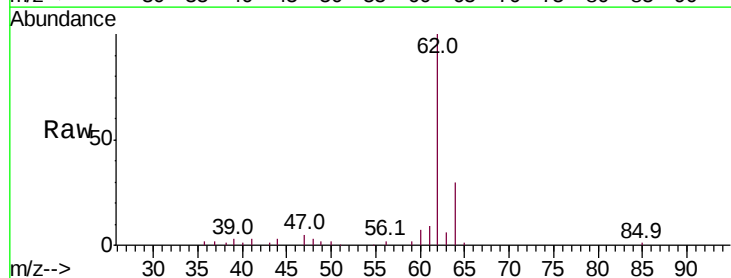
Acq: 31 Aug 2020 13:03

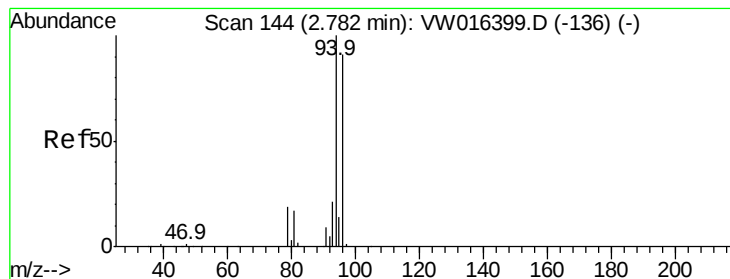
Tgt Ion: 62 Resp: 28467

Ion Ratio Lower Upper

62 100

64 30.4 27.2 40.8





#5

Bromomethane

Concen: 19.787 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

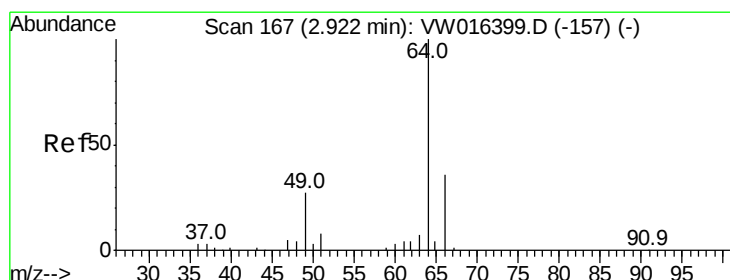
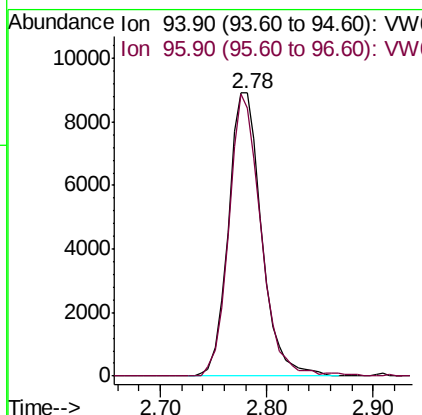
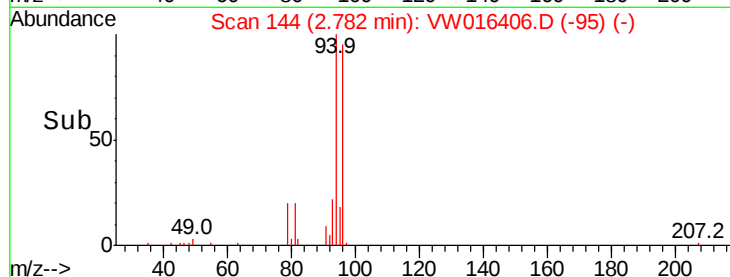
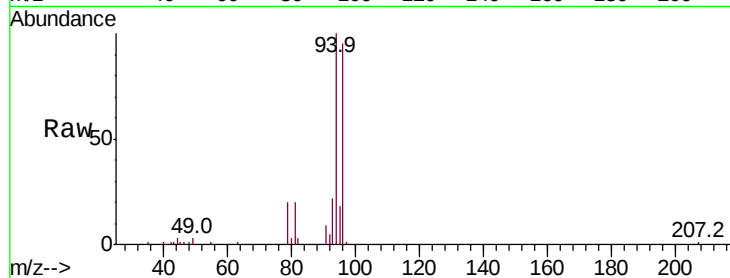
VW0831SBS01

Tot Ion: 94 Resp: 19469

Ion Ratio Lower Upper

94 100

96 94.8 72.6 109.0



#6

Chloroethane

Concen: 20.597 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW016406.D

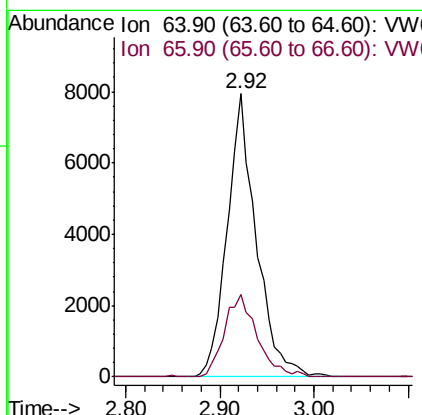
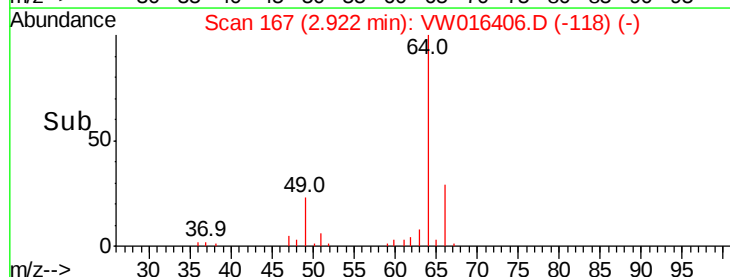
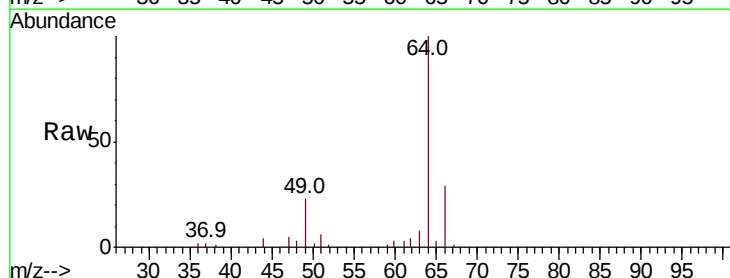
Acq: 31 Aug 2020 13:03

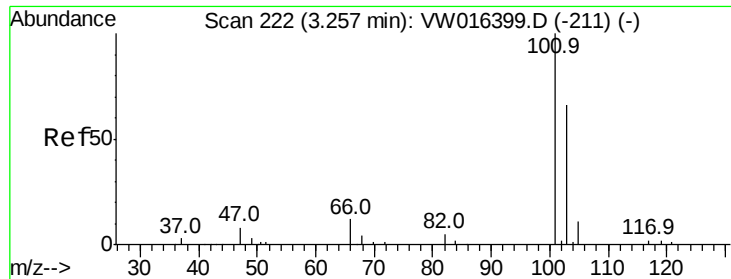
Tgt Ion: 64 Resp: 17084

Ion Ratio Lower Upper

64 100

66 29.3 28.7 43.1



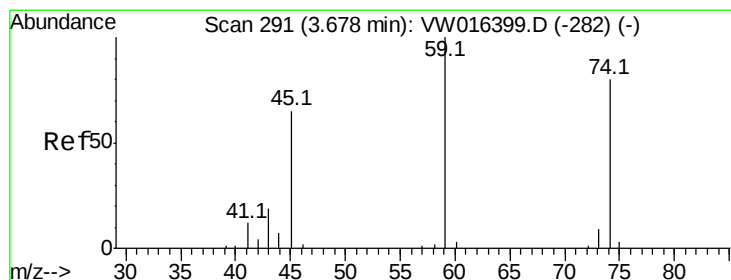
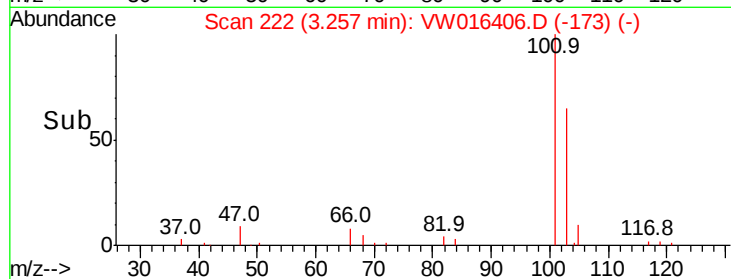
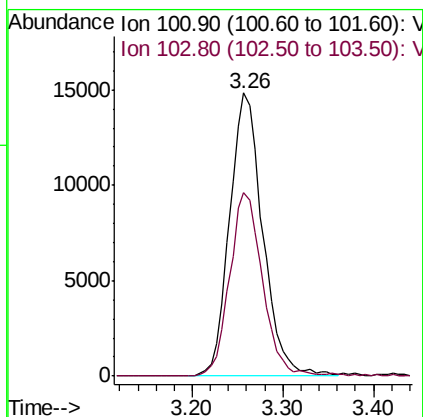
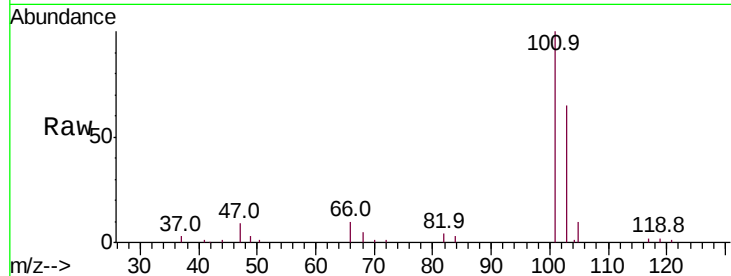


#7

Trichlorofluoromethane
 Concen: 22.369 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
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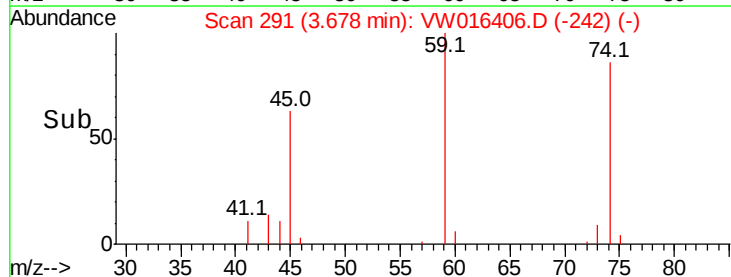
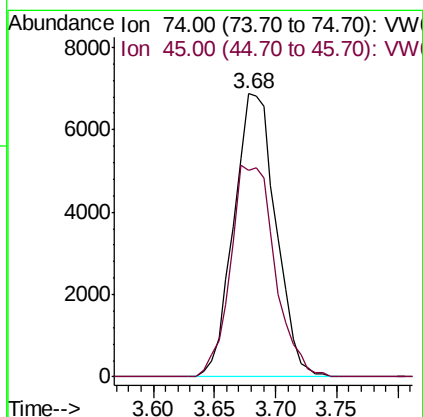
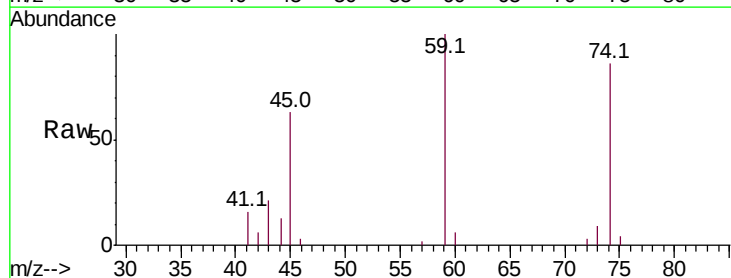
Tot Ion:101 Resp: 37686
 Ion Ratio Lower Upper
 101 100
 103 64.8 53.0 79.4

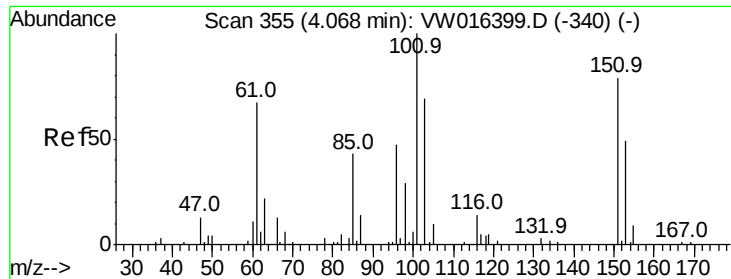


#8

Diethyl Ether
 Concen: 19.318 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion: 74 Resp: 16382
 Ion Ratio Lower Upper
 74 100
 45 78.8 42.0 126.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.900 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

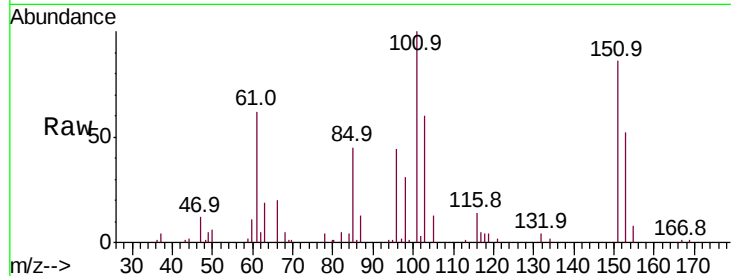
Tot Ion:101 Resp: 34369

Ion Ratio Lower Upper

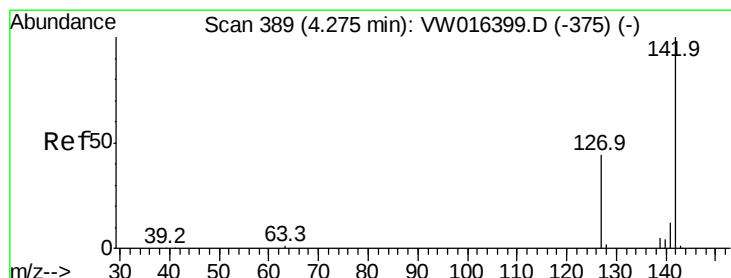
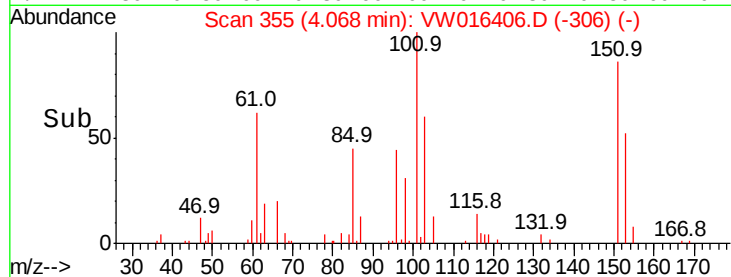
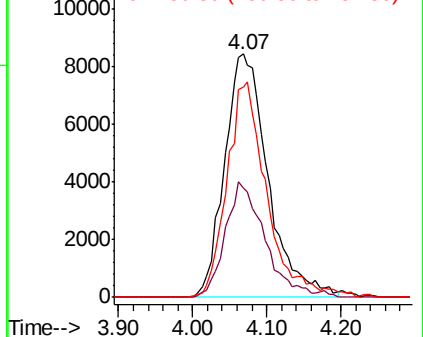
101 100

85 42.8 34.2 51.2

151 81.0 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VW
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.848 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

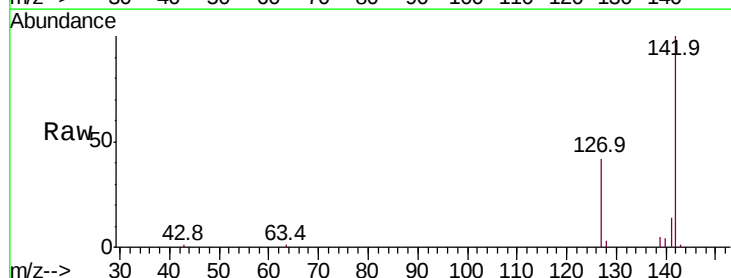
Tgt Ion:142 Resp: 52392

Ion Ratio Lower Upper

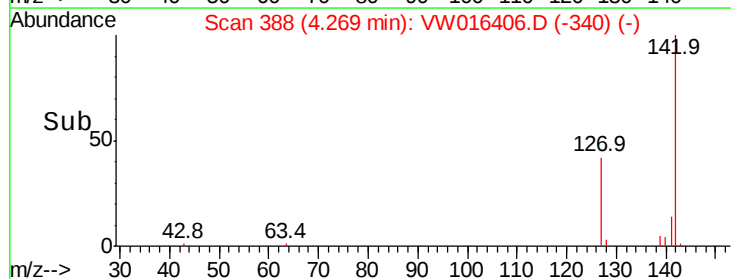
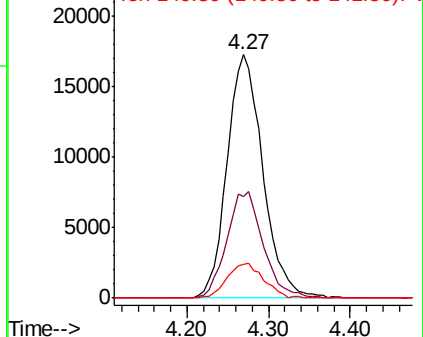
142 100

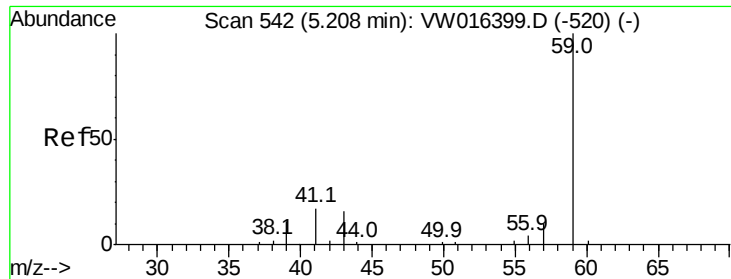
127 44.5 36.2 54.4

141 14.6 11.8 17.6



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



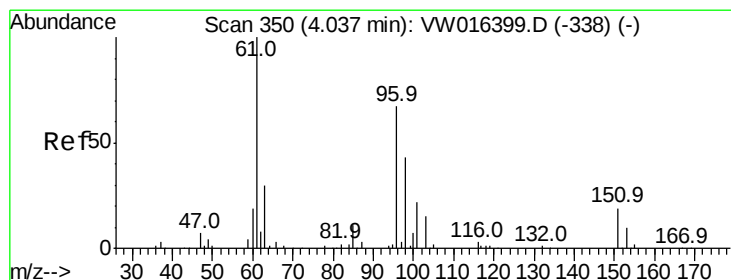
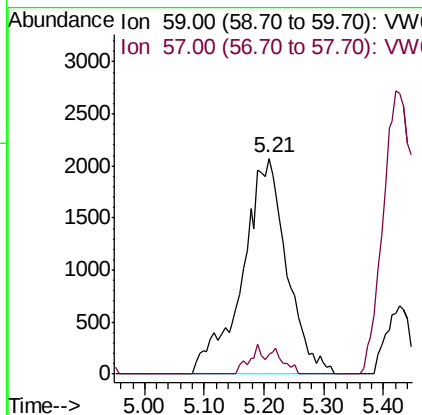
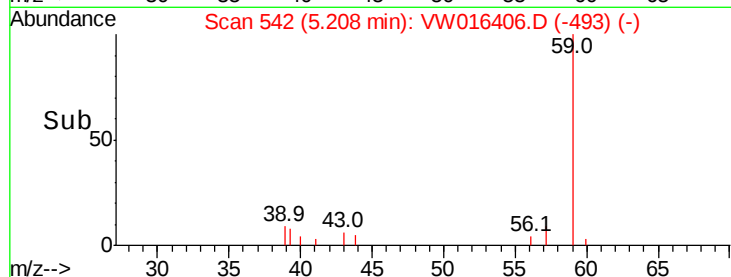
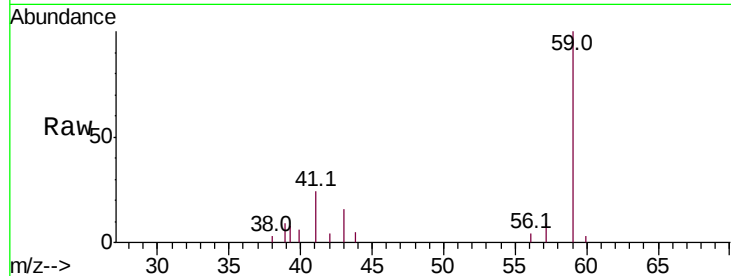


#11

Tert butyl alcohol
 Concen: 92.766 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

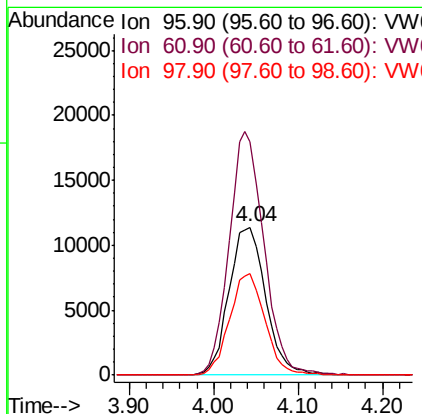
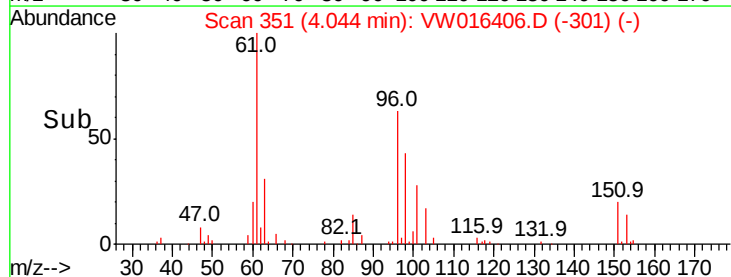
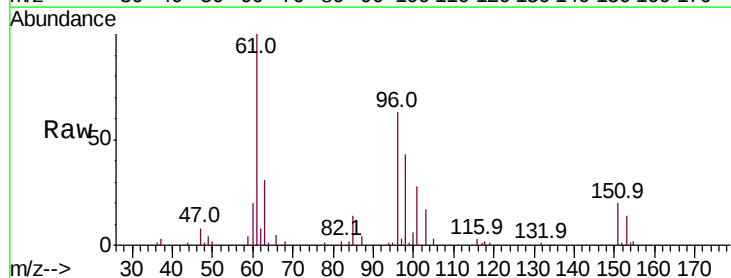
Tot Ion: 59 Resp: 10682
 Ion Ratio Lower Upper
 59 100
 57 4.1 8.2 12.4#

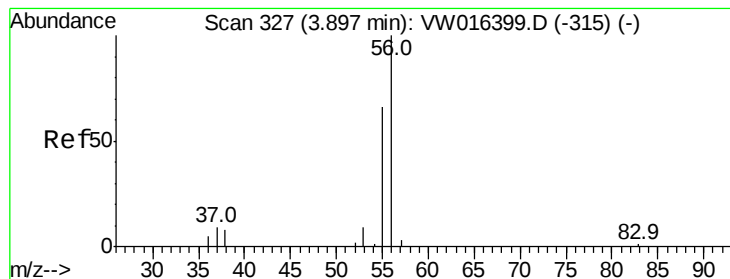


#12

1,1-Dichloroethene
 Concen: 20.060 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion: 96 Resp: 33662
 Ion Ratio Lower Upper
 96 100
 61 157.8 119.0 178.4
 98 68.4 50.6 76.0





#13

Acrolein

Concen: 93.709 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

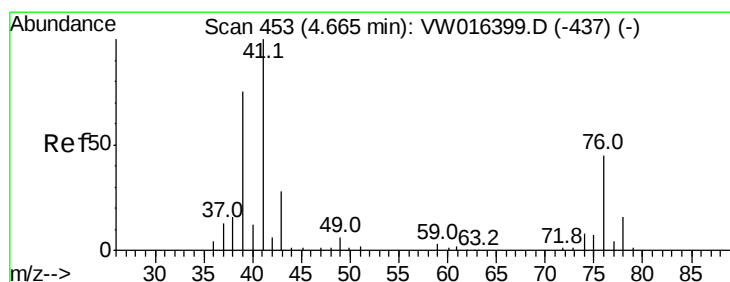
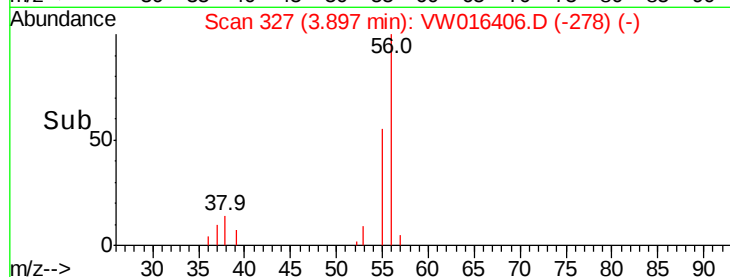
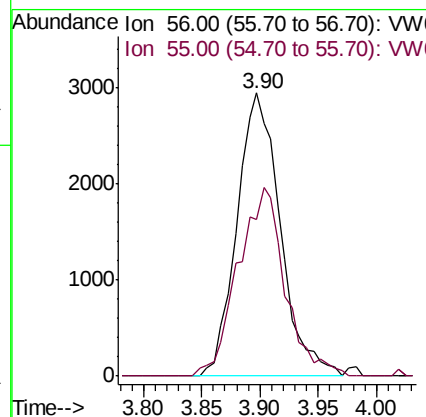
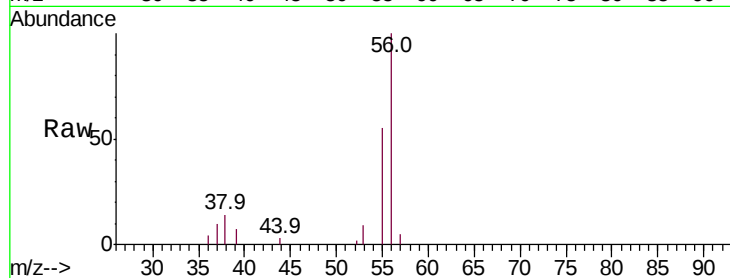
VW0831SBS01

Tot Ion: 56 Resp: 7620

Ion Ratio Lower Upper

56 100

55 72.2 54.8 82.2



#14

Allyl chloride

Concen: 19.678 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

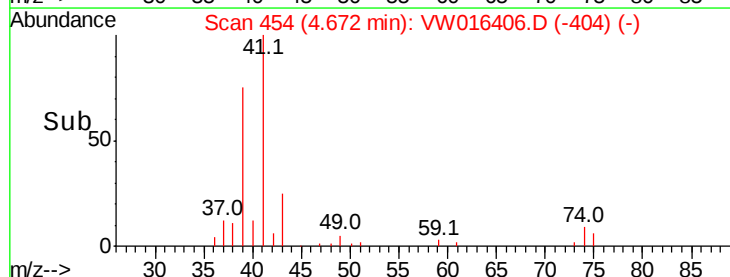
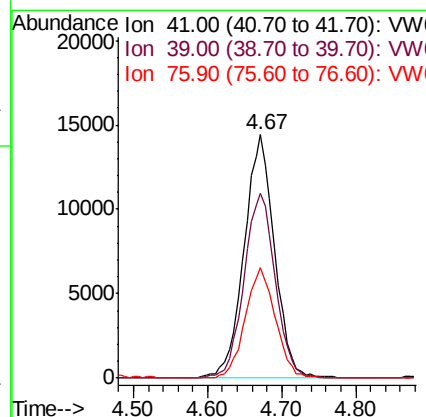
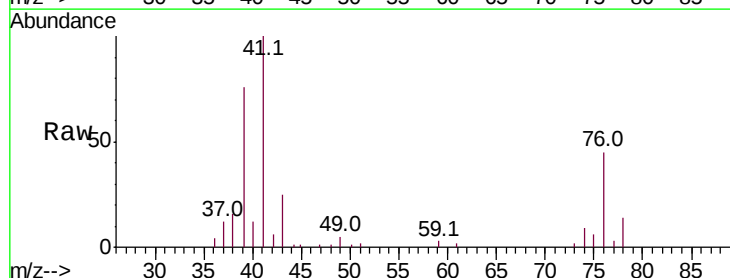
Tgt Ion: 41 Resp: 41276

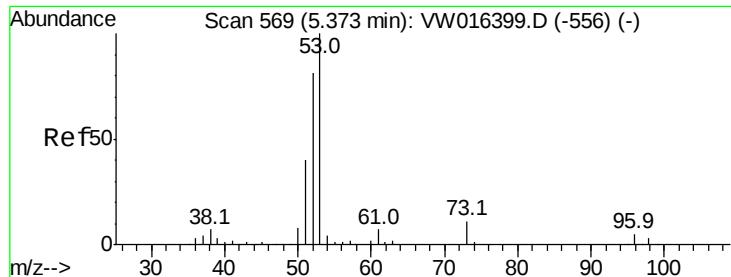
Ion Ratio Lower Upper

41 100

39 77.9 60.2 90.2

76 44.7 35.7 53.5





#15

Acrylonitrile

Concen: 94.966 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

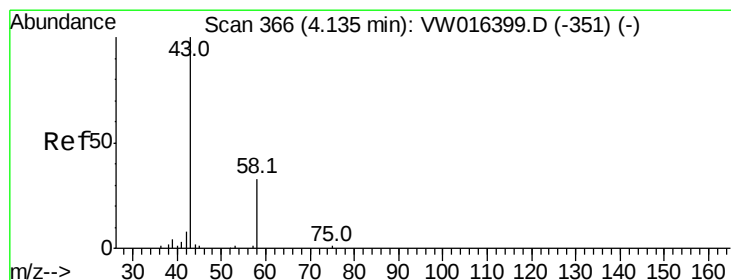
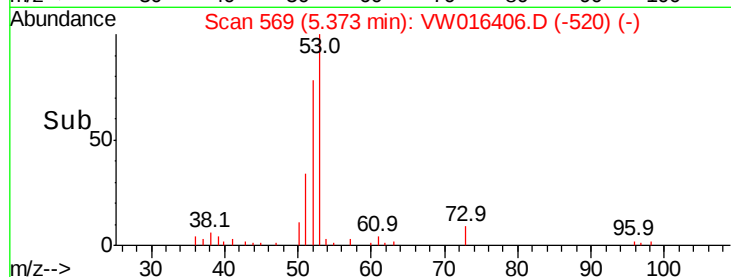
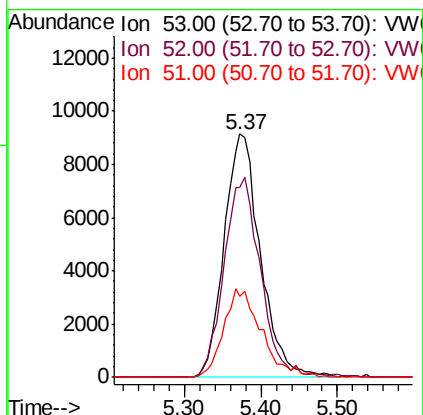
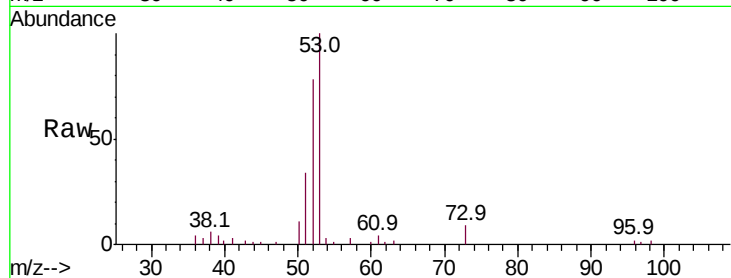
Tot Ion: 53 Resp: 29984

Ion Ratio Lower Upper

53 100

52 81.8 66.1 99.1

51 37.9 29.9 44.9



#16

Acetone

Concen: 92.628 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW016406.D

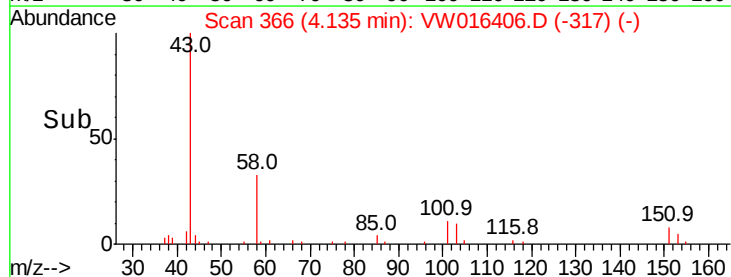
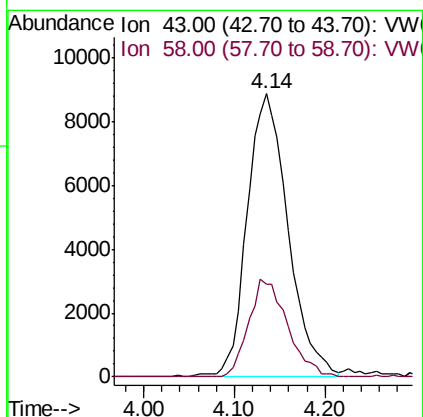
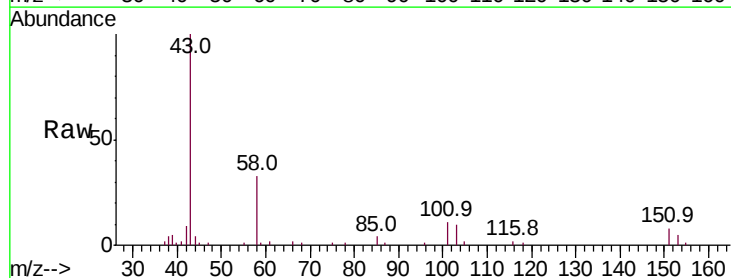
Acq: 31 Aug 2020 13:03

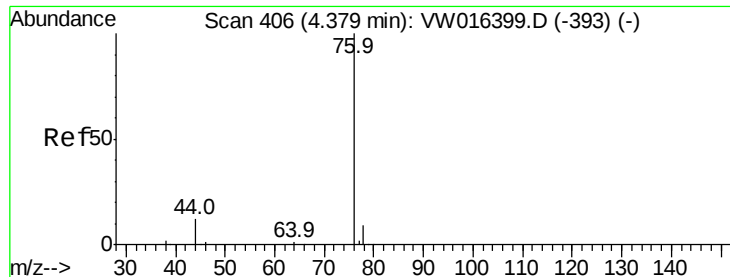
Tgt Ion: 43 Resp: 27764

Ion Ratio Lower Upper

43 100

58 32.6 26.6 39.8





#17

Carbon Disulfide

Concen: 20.925 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

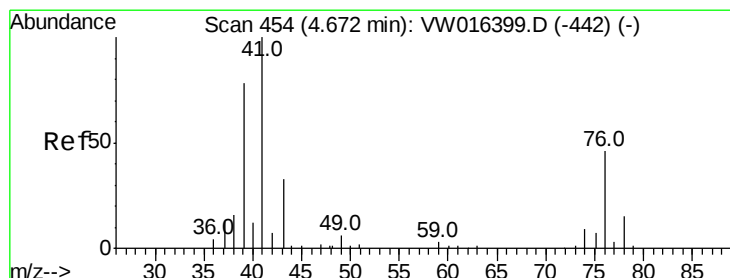
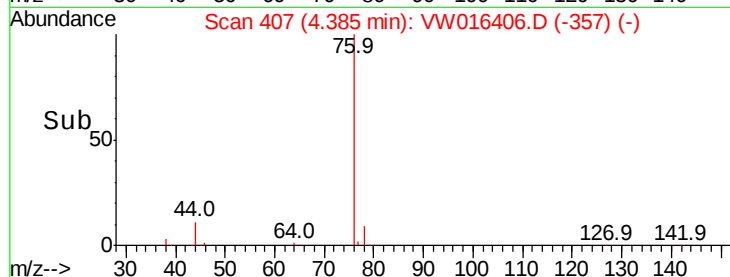
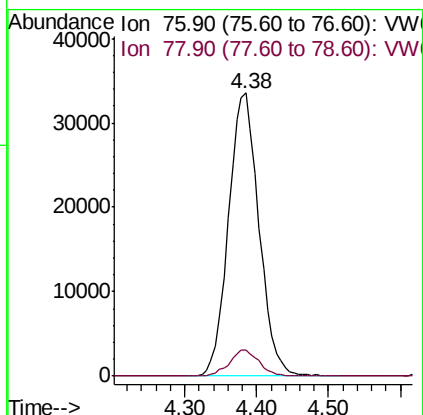
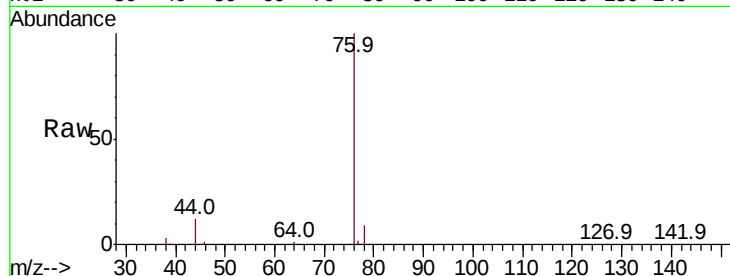
VW0831SBS01

Tot Ion: 76 Resp: 98586

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



#18

Methyl Acetate

Concen: 17.425 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW016406.D

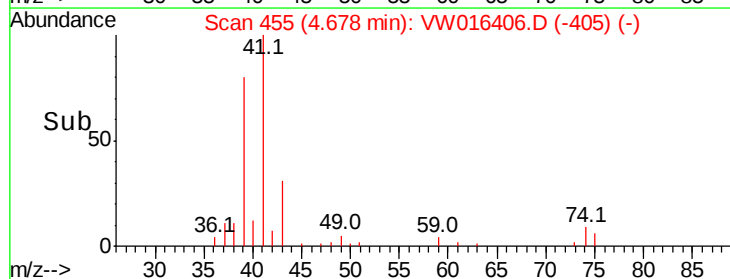
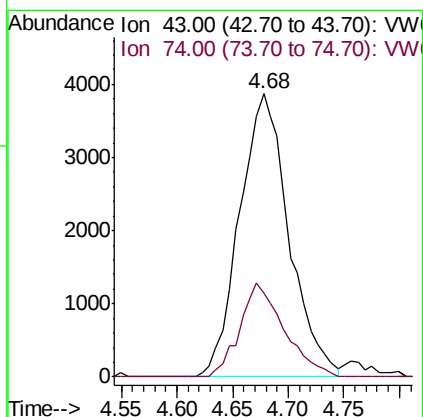
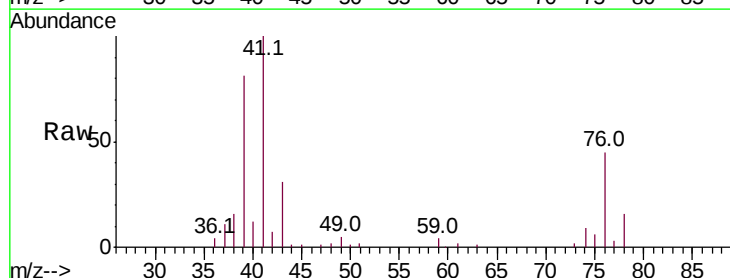
Acq: 31 Aug 2020 13:03

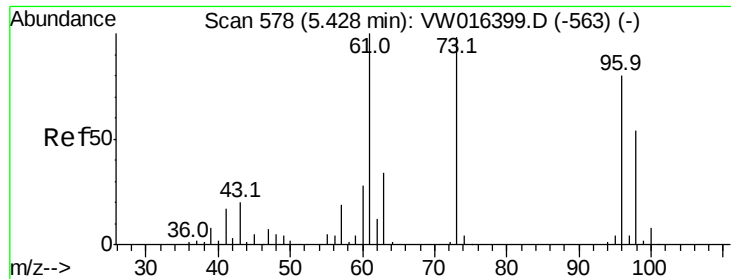
Tgt Ion: 43 Resp: 11910

Ion Ratio Lower Upper

43 100

74 29.9 23.2 34.8

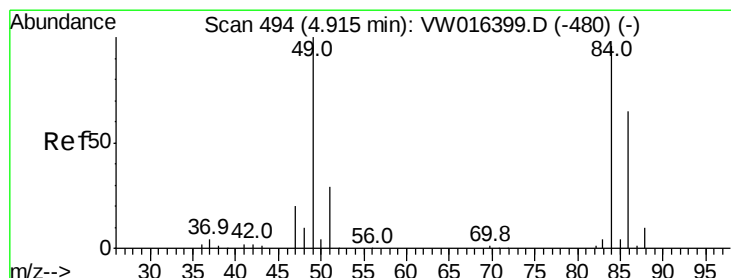
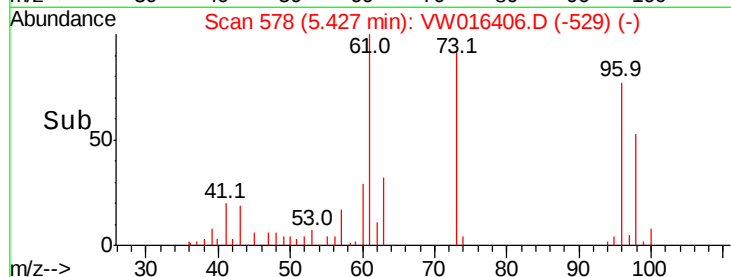
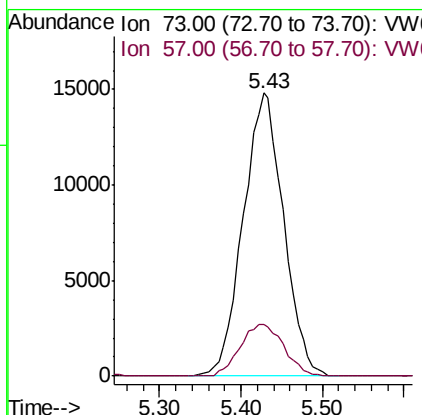
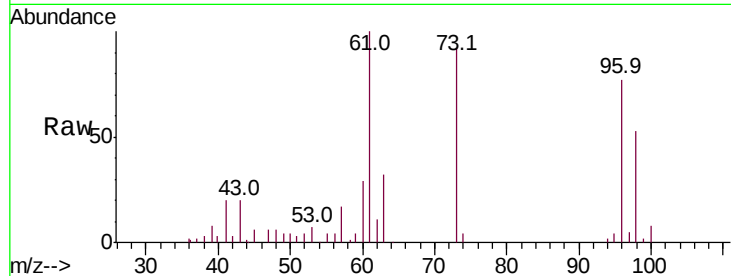




#19
Methyl tert-butyl Ether
Concen: 19.896 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

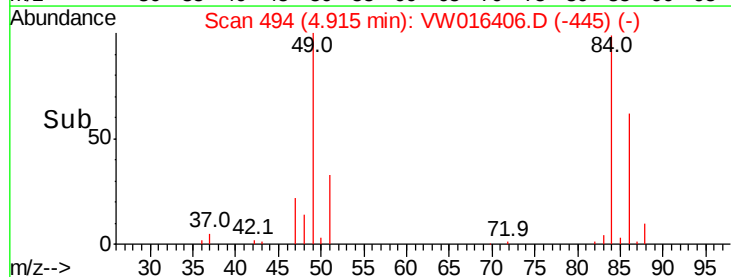
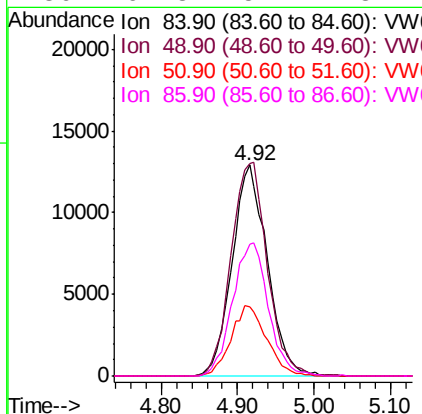
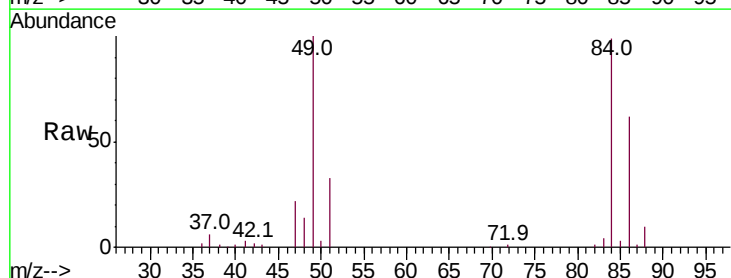
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

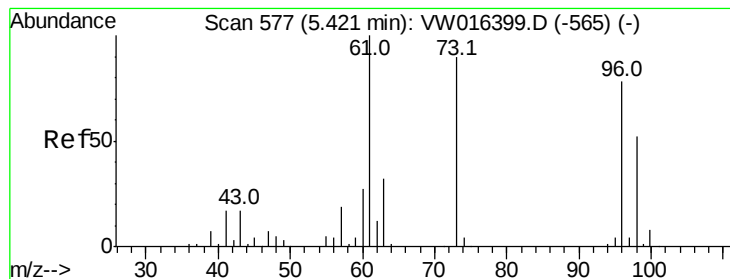
Tot Ion: 73 Resp: 51009
Ion Ratio Lower Upper
73 100
57 18.2 15.0 22.6



#20
Methylene Chloride
Concen: 18.161 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion: 84 Resp: 41148
Ion Ratio Lower Upper
84 100
49 101.0 83.2 124.8
51 33.1 24.4 36.6
86 62.8 54.2 81.2





#21

trans-1,2-Dichloroethene

Concen: 20.380 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

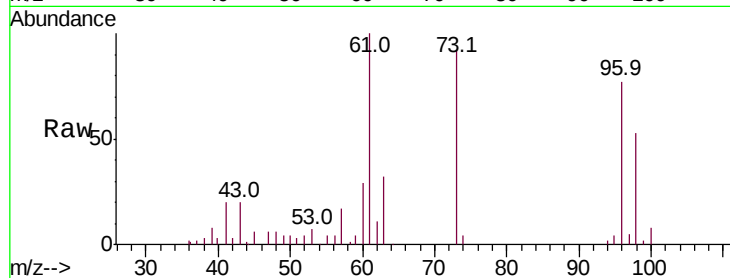
Tot Ion: 96 Resp: 38331

Ion Ratio Lower Upper

96 100

61 129.7 103.0 154.6

98 68.5 53.8 80.6

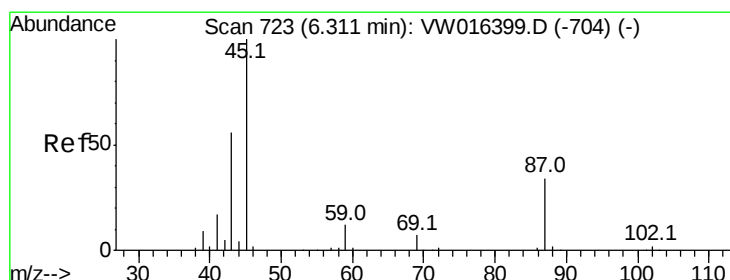
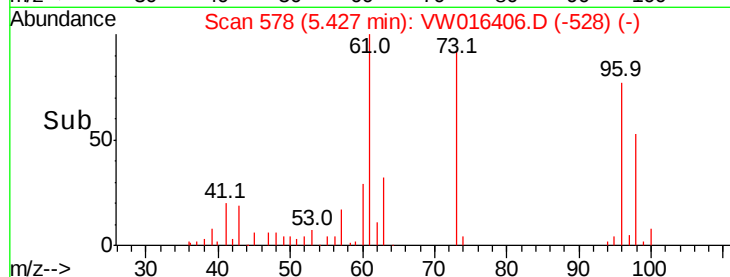
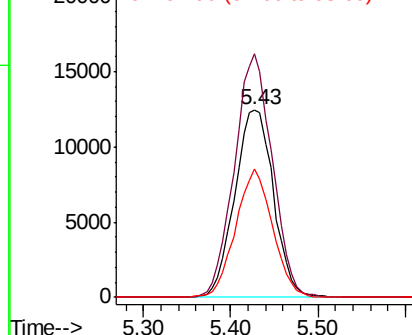


Abundance

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: 19.910 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Tgt Ion: 45 Resp: 82668

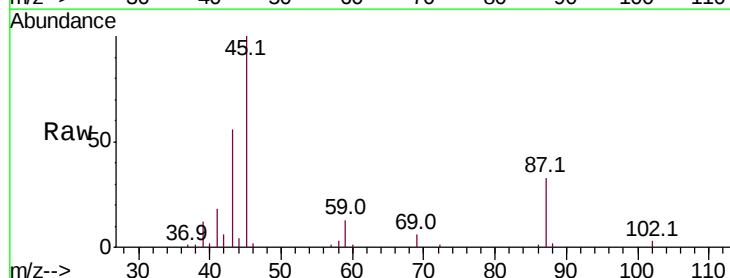
Ion Ratio Lower Upper

45 100

43 55.4 44.6 67.0

87 33.2 27.5 41.3

59 12.9 10.2 15.2



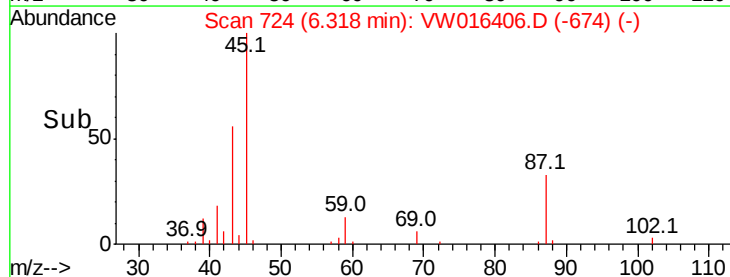
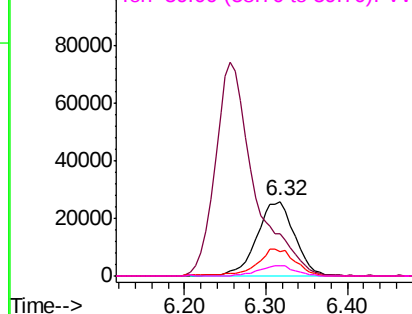
Abundance

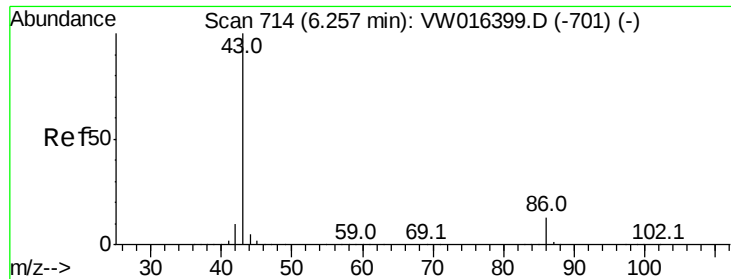
Ion 45.00 (44.70 to 45.70): VW

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

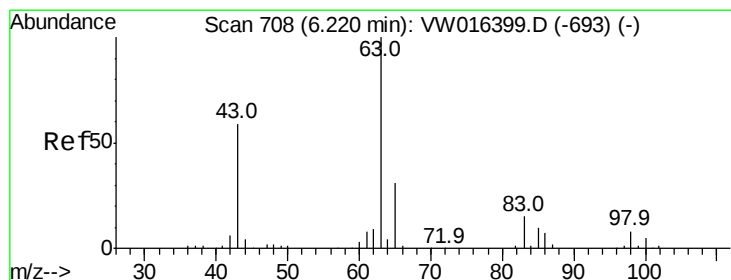
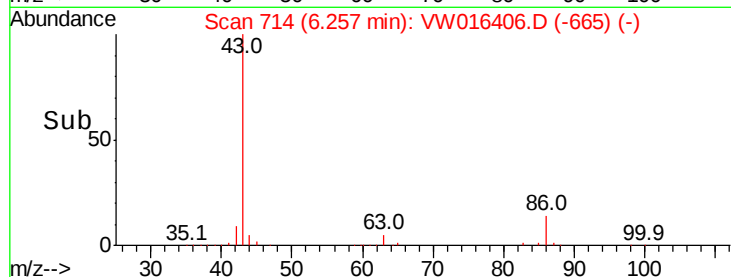
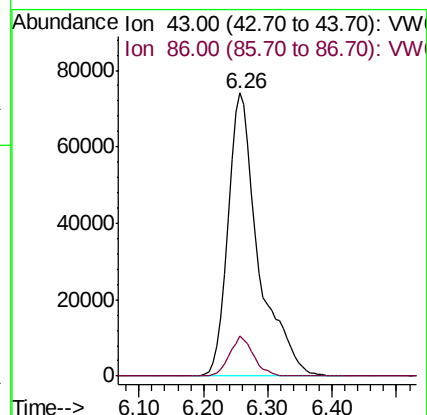
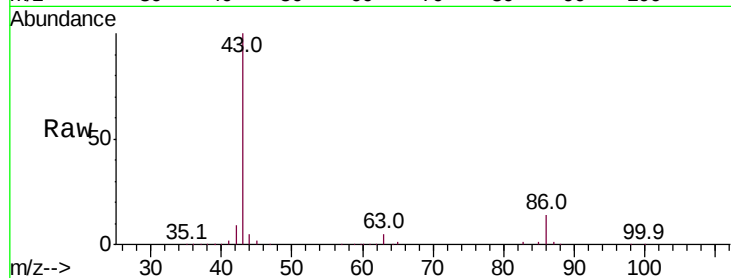




#23
 Vinyl Acetate
 Concen: 96.530 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

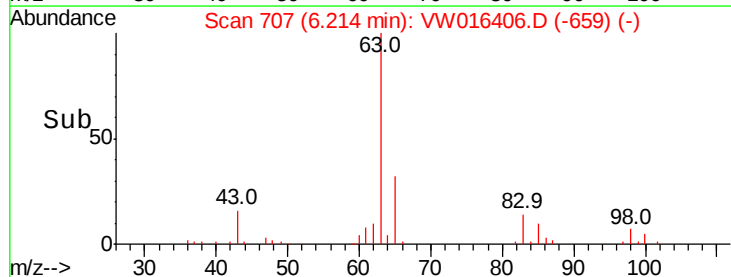
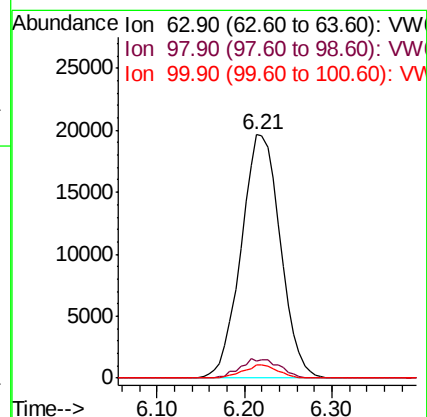
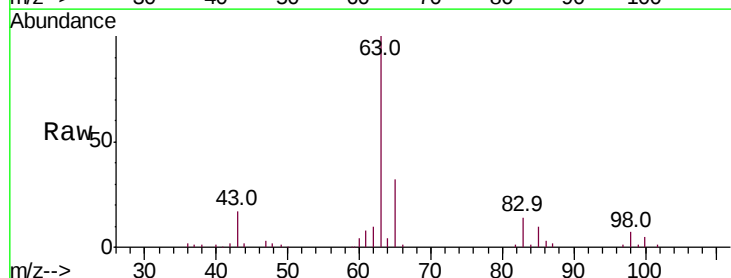
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

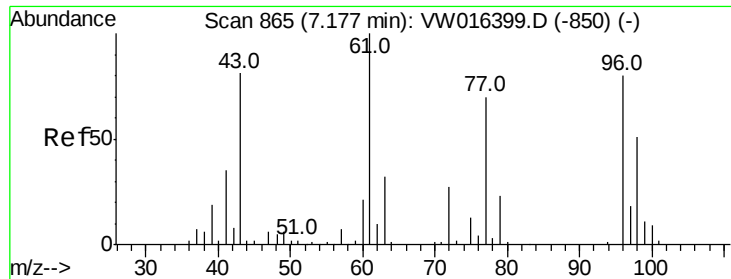
Tot Ion: 43 Resp: 245624
 Ion Ratio Lower Upper
 43 100
 86 14.1 10.6 15.8



#24
 1,1-Dichloroethane
 Concen: 20.484 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion: 63 Resp: 61319
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.8 11.2
 100 5.4 2.5 7.5

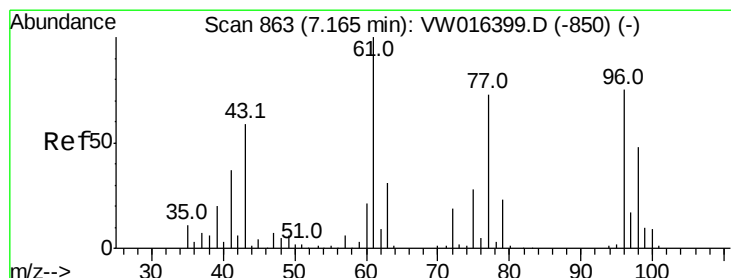
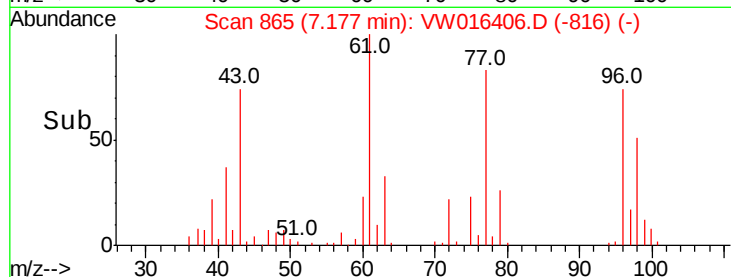
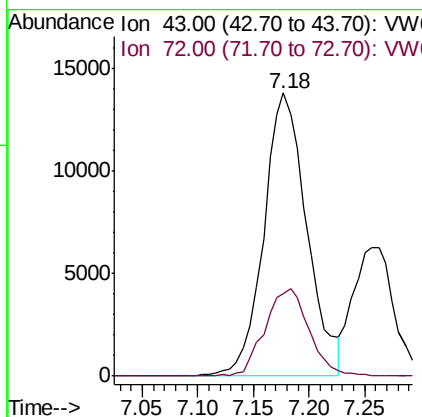
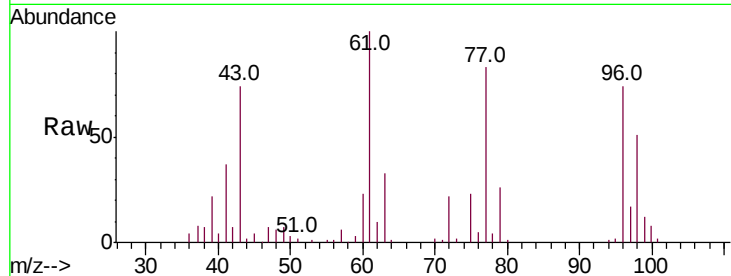




#25
2-Butanone
Concen: 91.448 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

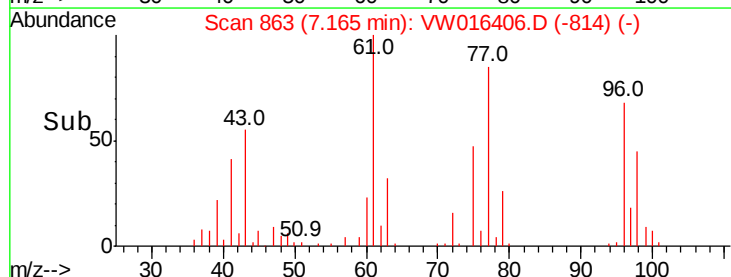
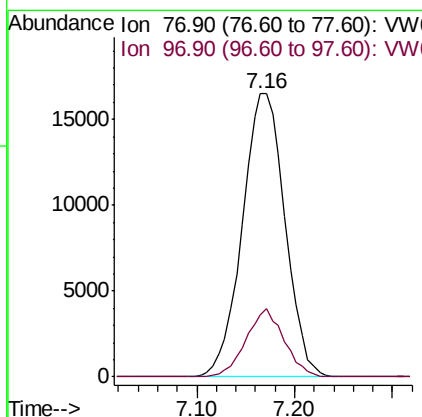
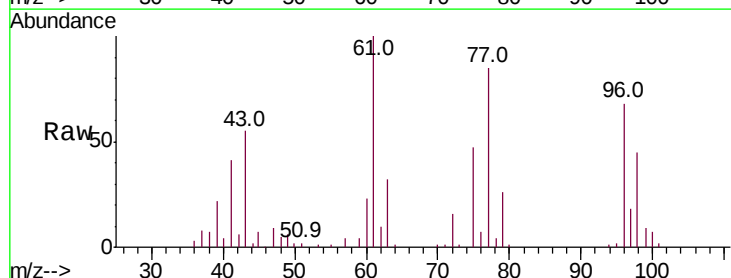
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

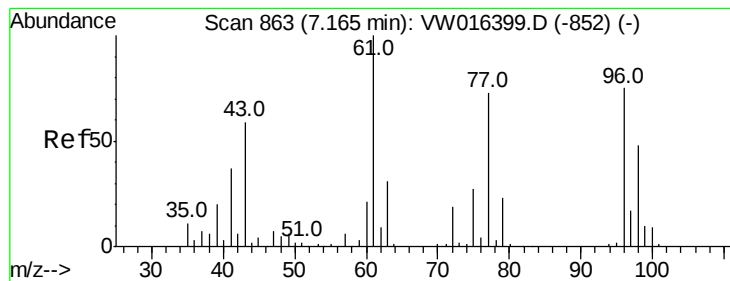
Tot Ion: 43 Resp: 37190
Ion Ratio Lower Upper
43 100
72 29.0 26.7 40.1



#26
2,2-Dichloropropane
Concen: 21.574 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion: 77 Resp: 49880
Ion Ratio Lower Upper
77 100
97 21.5 11.7 35.0



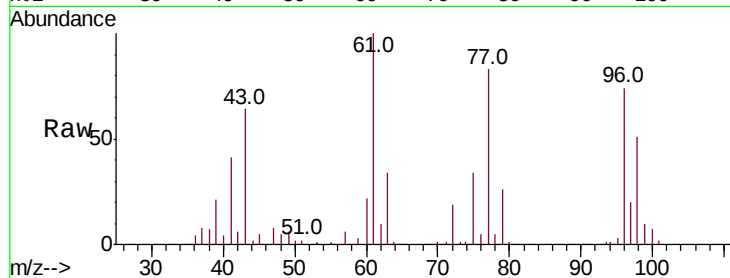


#27

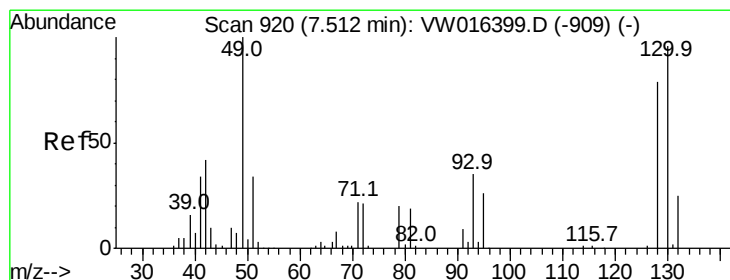
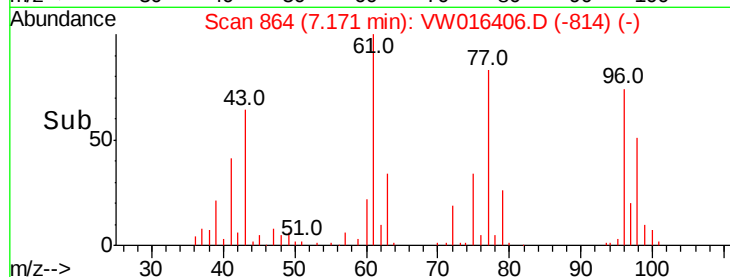
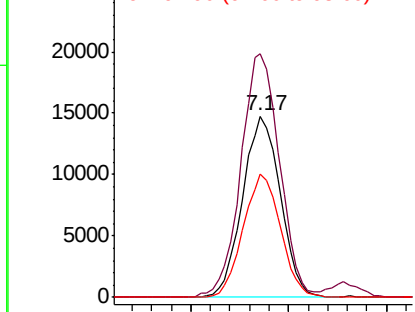
cis-1,2-Dichloroethene
 Concen: 19.475 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion: 96 Resp: 39685
 Ion Ratio Lower Upper
 96 100
 61 136.8 0.0 268.6
 98 67.0 0.0 130.0



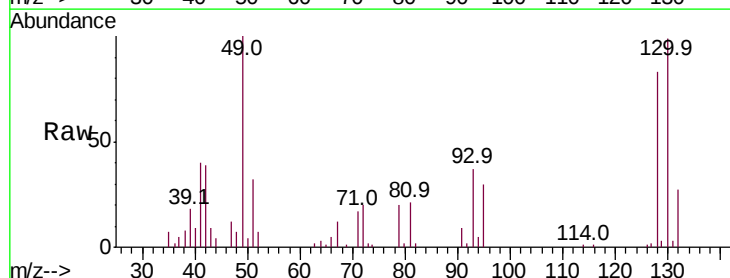
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



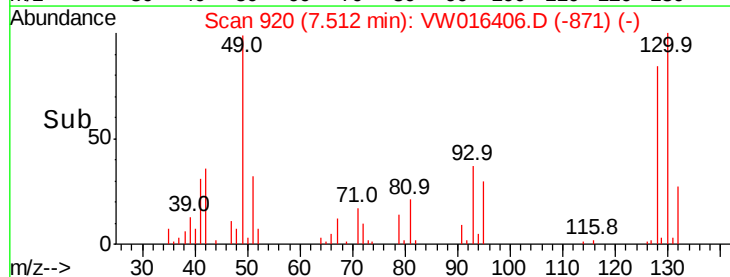
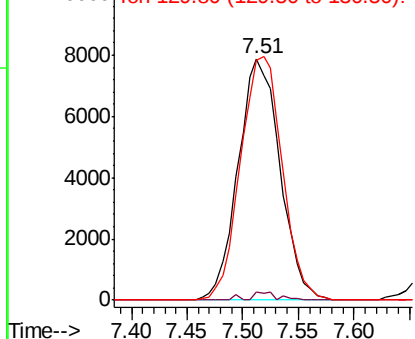
#28

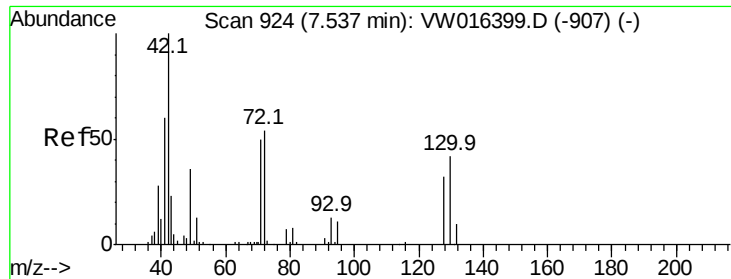
Bromochloromethane
 Concen: 18.993 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion: 49 Resp: 20652
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 1.8#
 130 100.3 80.8 121.2



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

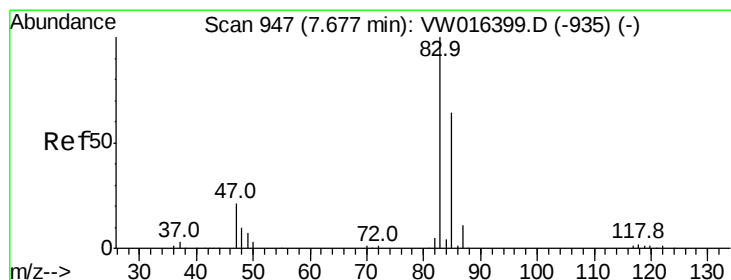
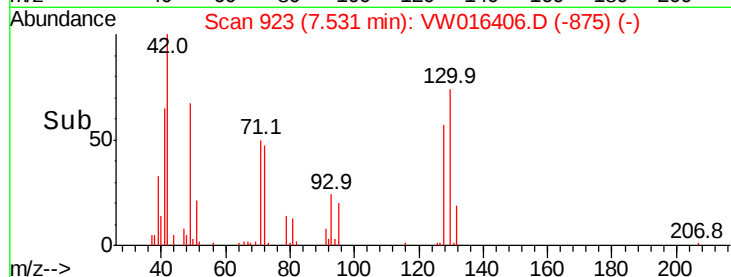
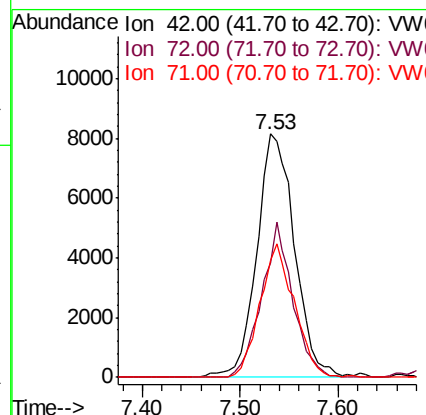
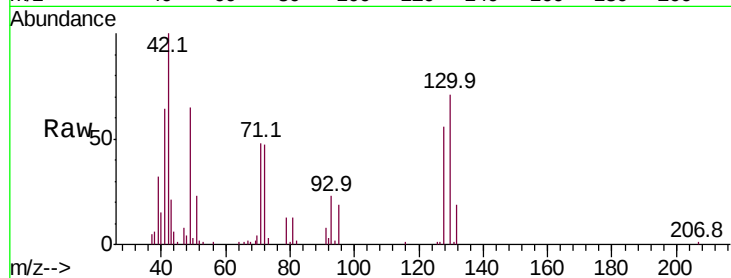




#29
Tetrahydrofuran
Concen: 90.007 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

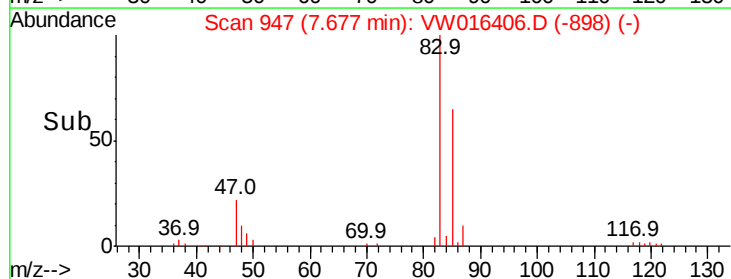
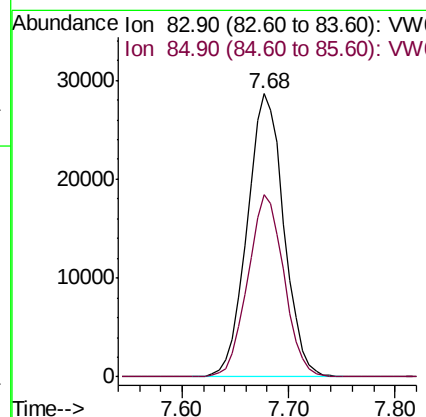
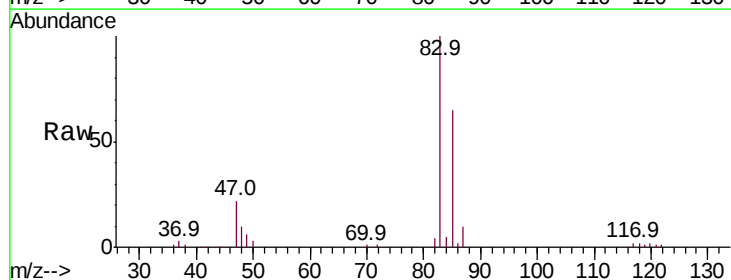
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

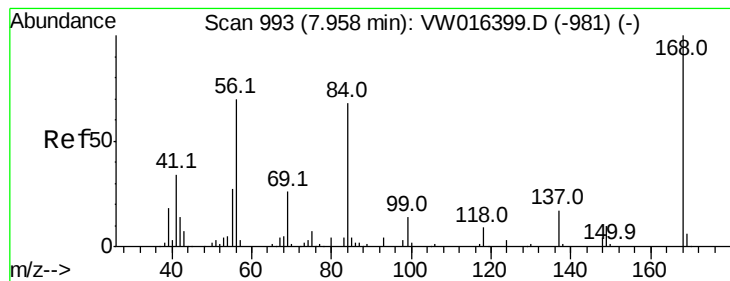
Tot Ion: 42 Resp: 21851
Ion Ratio Lower Upper
42 100
72 52.9 42.3 63.5
71 50.0 39.5 59.3



#30
Chloroform
Concen: 20.743 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion: 83 Resp: 68976
Ion Ratio Lower Upper
83 100
85 64.6 51.6 77.4





#31

Cyclohexane

Concen: 20.012 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

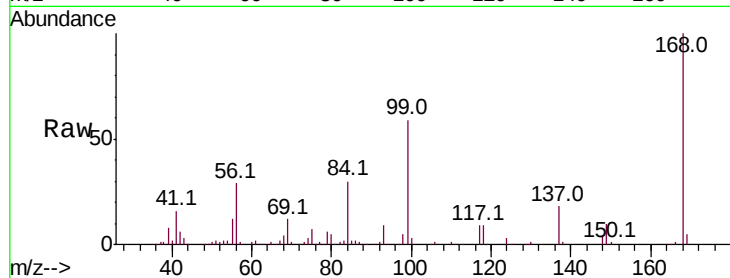
Tot Ion: 56 Resp: 54904

Ion Ratio Lower Upper

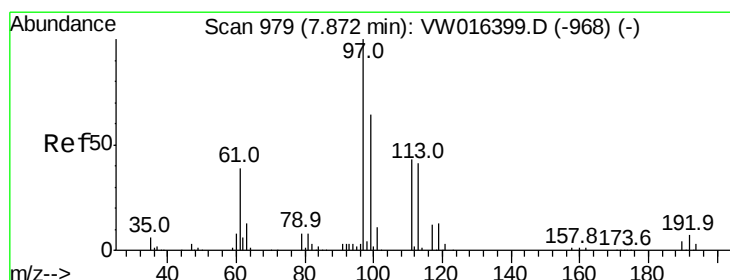
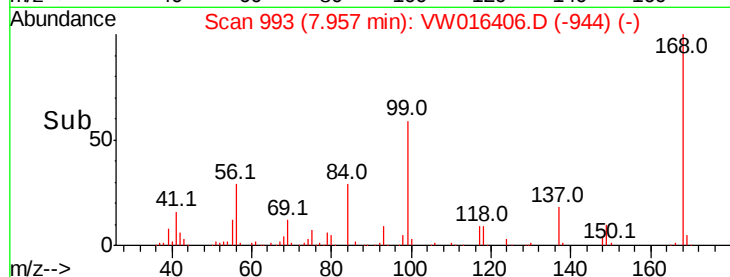
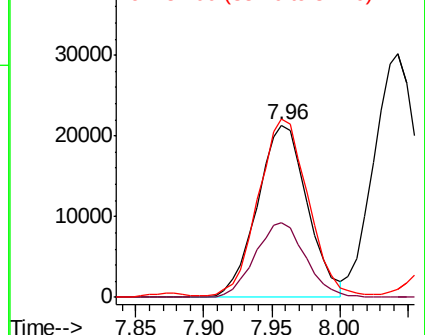
56 100

69 43.3 30.0 45.0

84 102.5 77.4 116.2



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



#32

1,1,1-Trichloroethane

Concen: 21.301 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

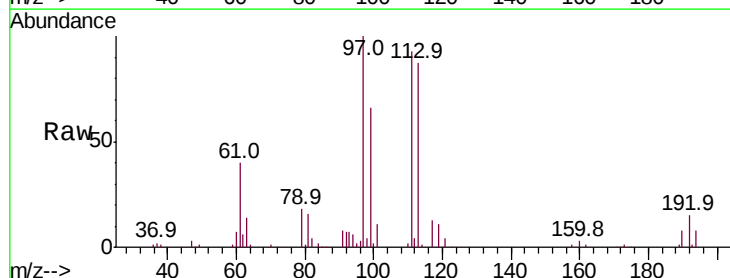
Tgt Ion: 97 Resp: 63792

Ion Ratio Lower Upper

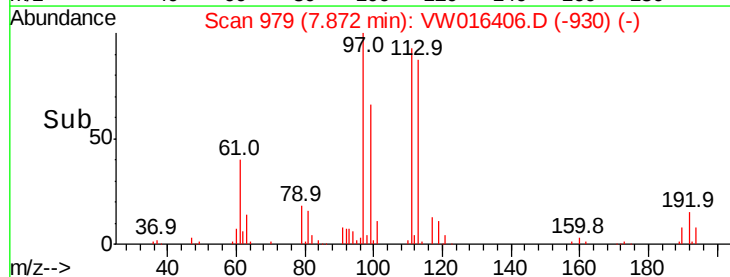
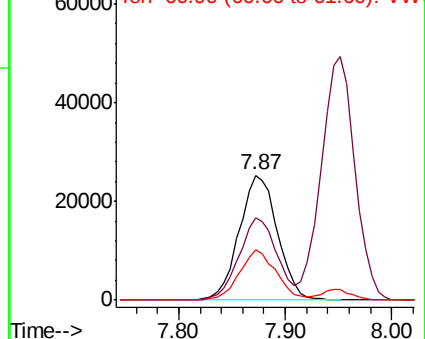
97 100

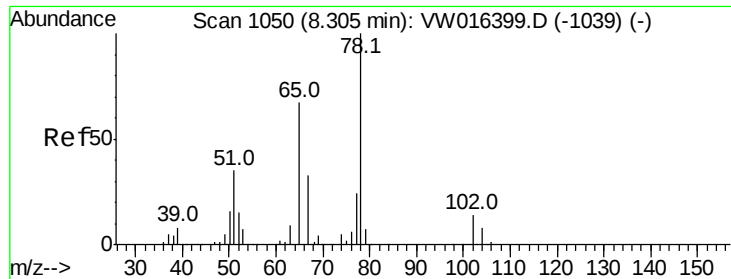
99 65.2 52.0 78.0

61 38.8 31.0 46.6



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





#33

1,2-Dichloroethane-d4

Concen: 50.172 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

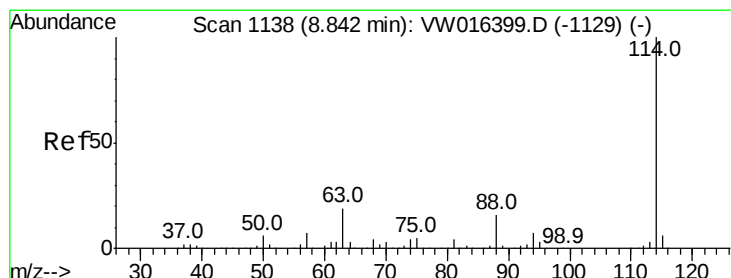
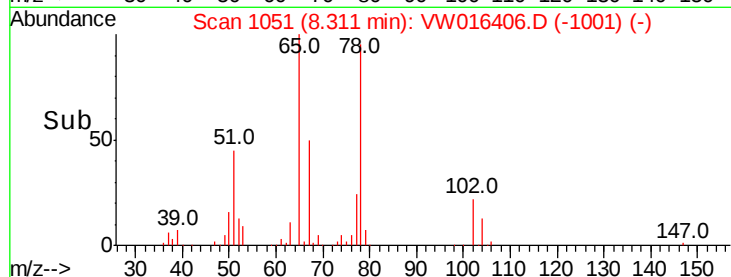
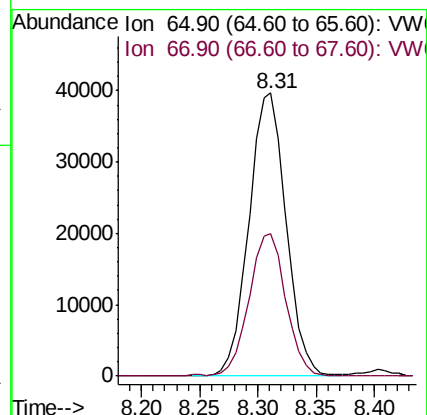
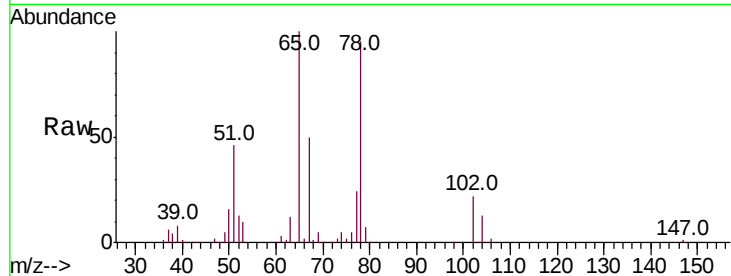
VW0831SBS01

Tot Ion: 65 Resp: 88560

Ion Ratio Lower Upper

65 100

67 49.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

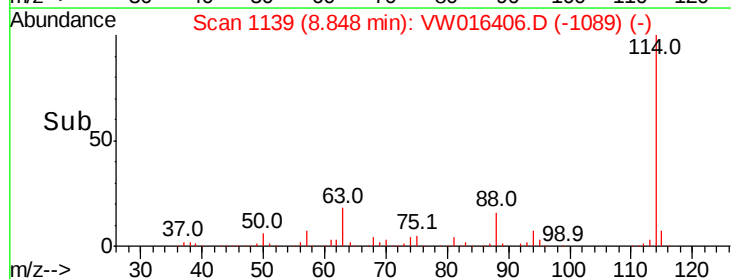
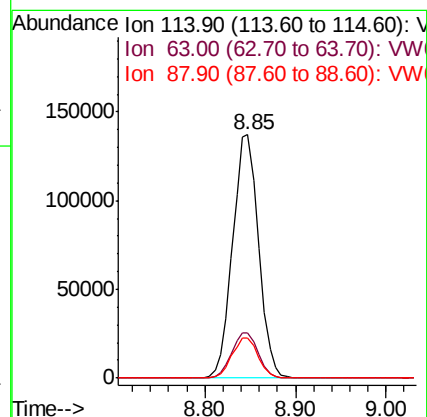
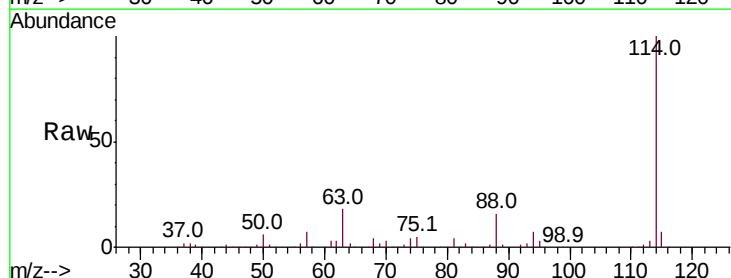
Tgt Ion: 114 Resp: 272722

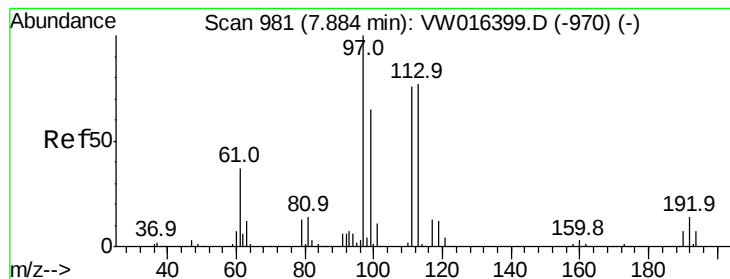
Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.8

88 16.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.210 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

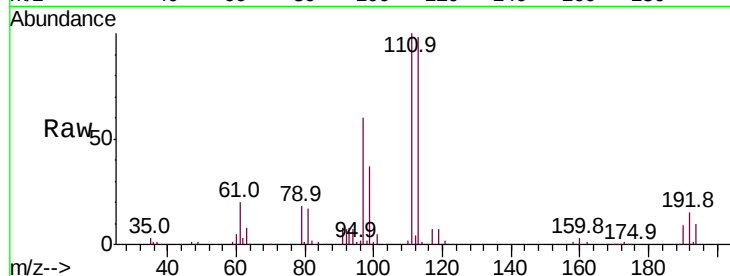
Tot Ion:113 Resp: 86675

Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

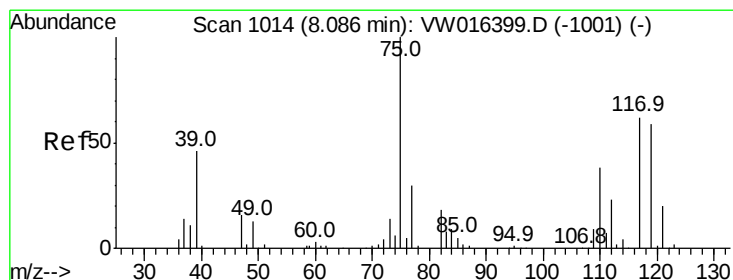
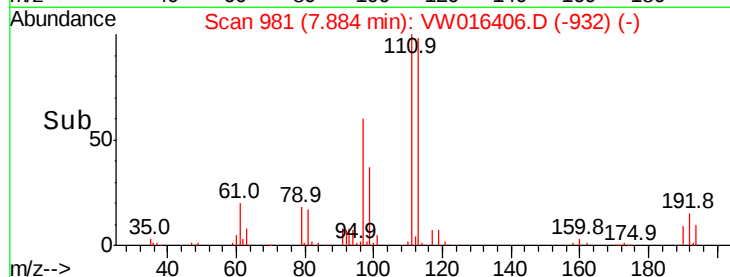
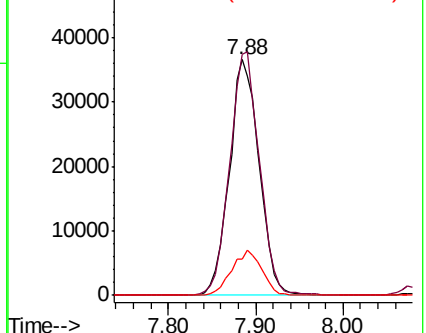
192 19.1 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.960 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

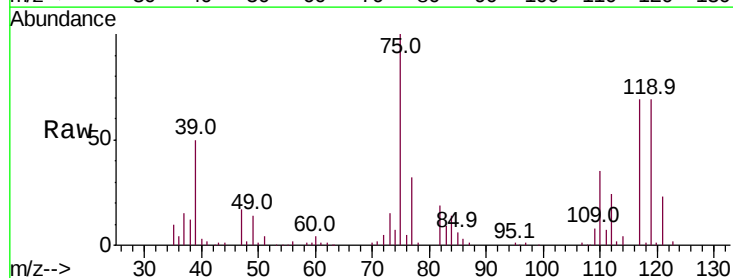
Tgt Ion: 75 Resp: 54399

Ion Ratio Lower Upper

75 100

110 36.1 18.6 56.0

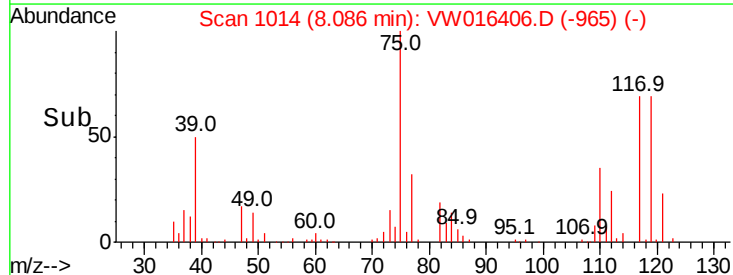
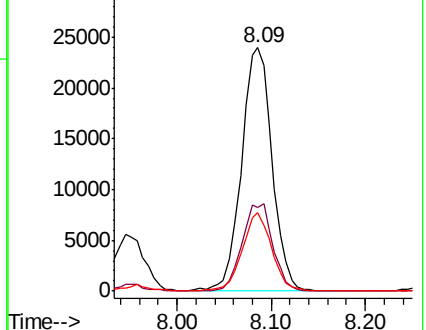
77 31.0 25.1 37.7

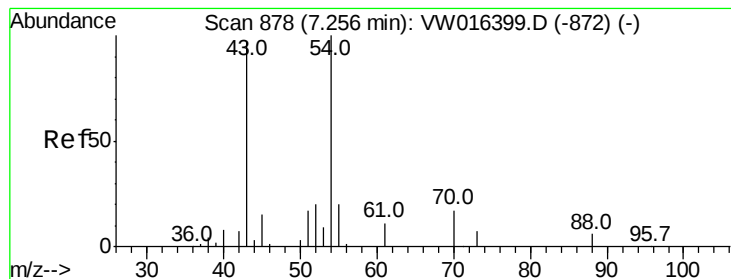


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 19.309 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

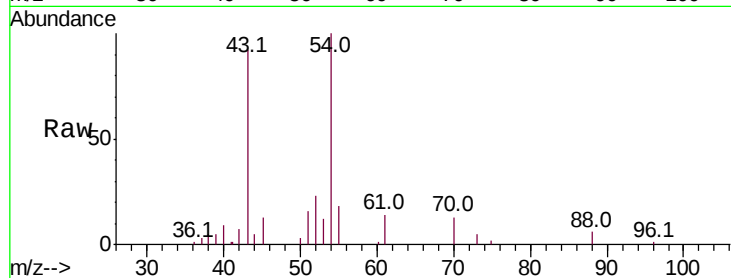
Tot Ion: 43 Resp: 16978

Ion Ratio Lower Upper

43 100

61 16.4 11.5 17.3

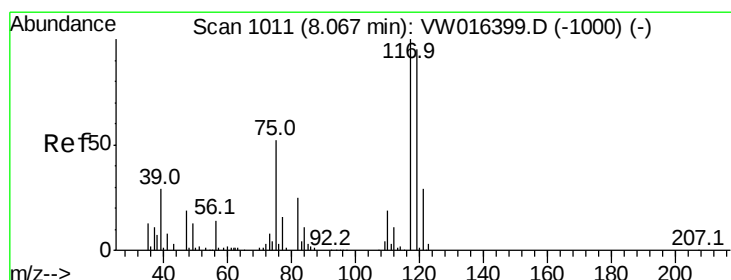
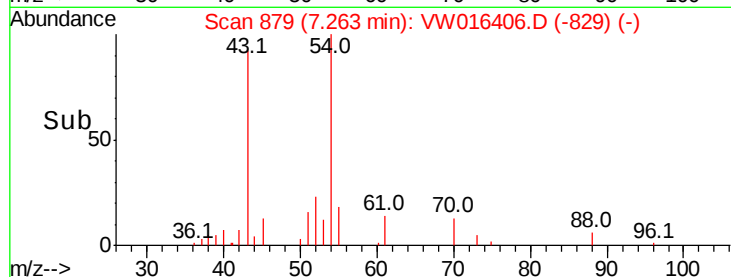
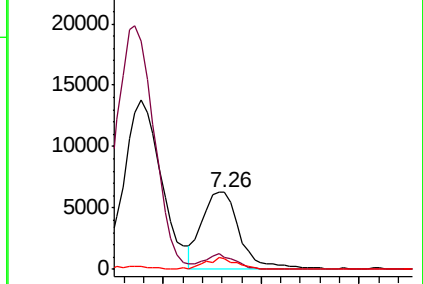
70 12.8 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 21.548 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

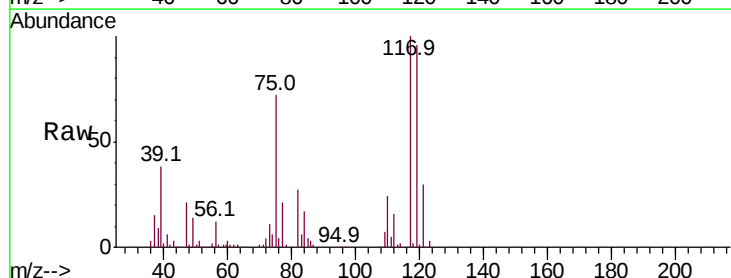
Tgt Ion: 117 Resp: 61281

Ion Ratio Lower Upper

117 100

119 95.7 76.3 114.5

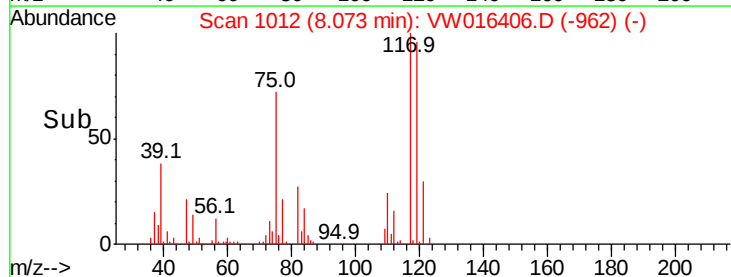
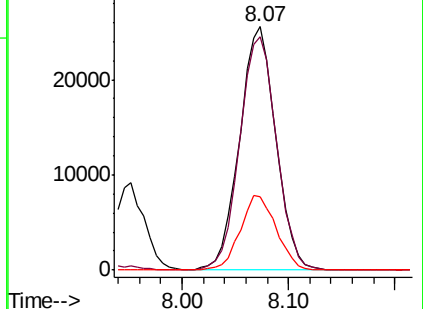
121 30.2 23.0 34.6

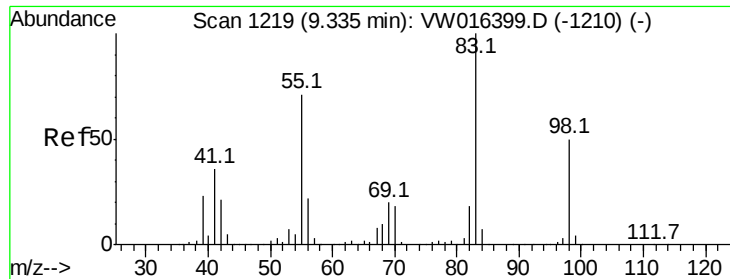


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

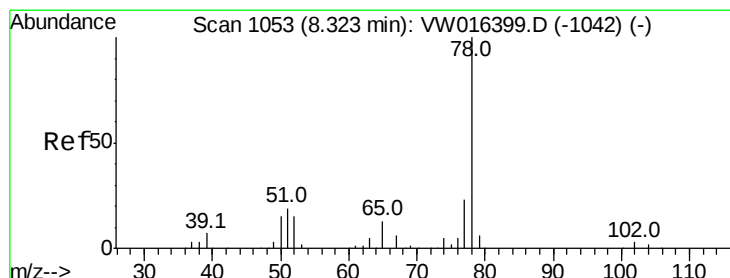
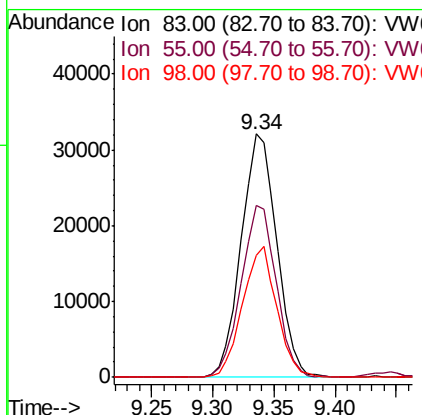
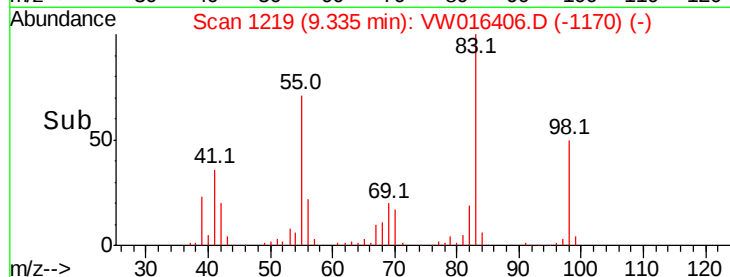
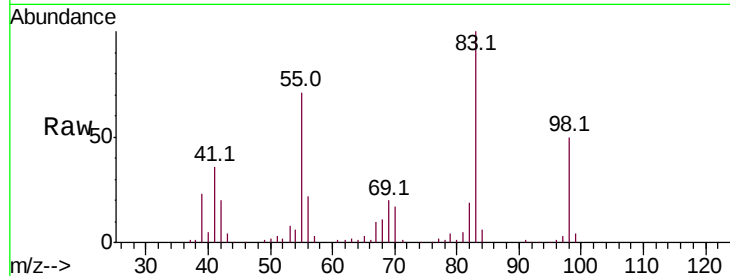




#39
Methvlcvclohexane
Concen: 20.679 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

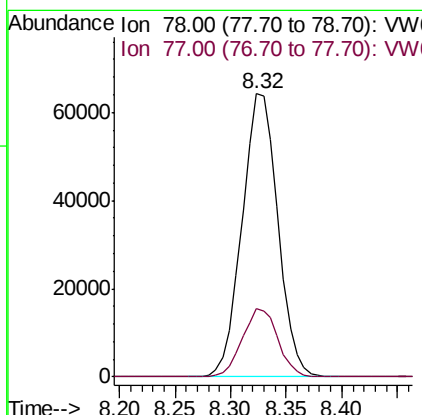
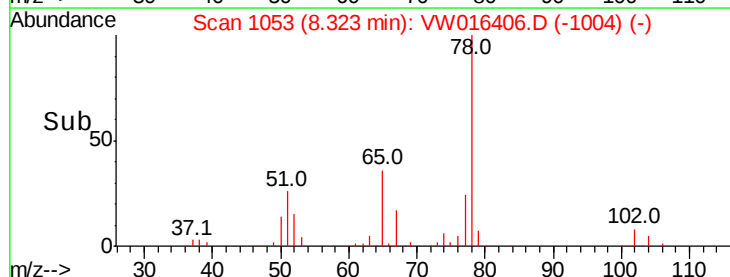
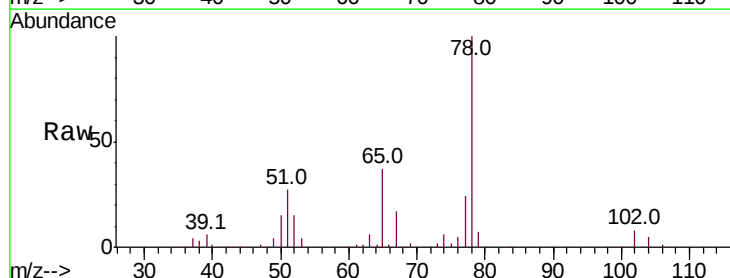
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

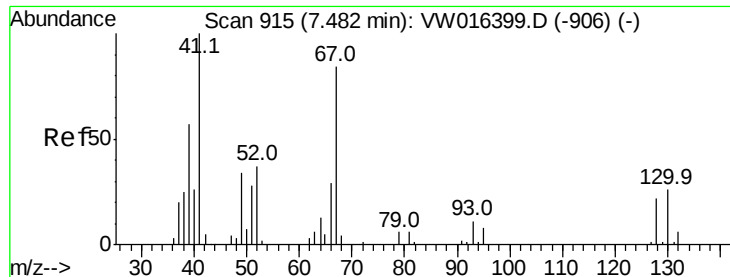
Tot Ion: 83 Resp: 64987
Ion Ratio Lower Upper
83 100
55 70.7 57.0 85.6
98 50.0 39.9 59.9



#40
Benzene
Concen: 20.697 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion: 78 Resp: 143816
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8

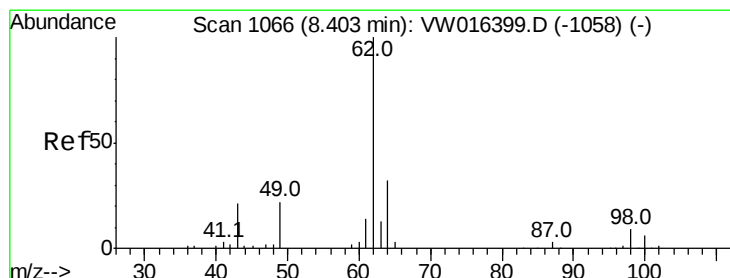
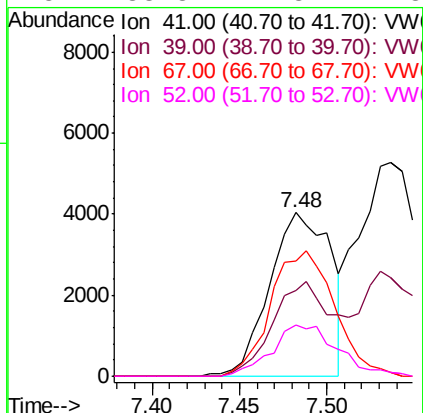
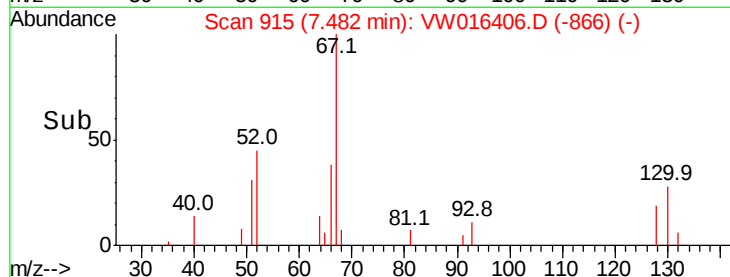
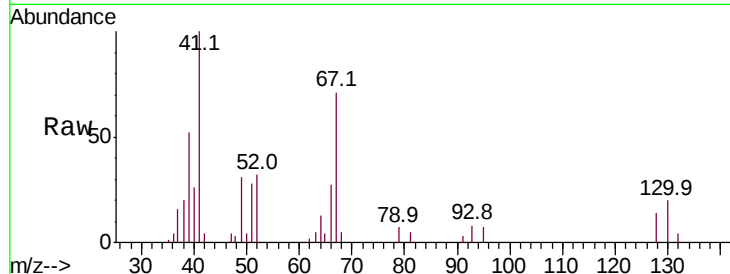




#41
Methacrylonitrile
Concen: 19.476 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

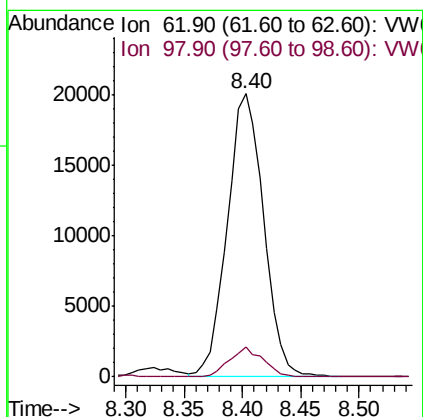
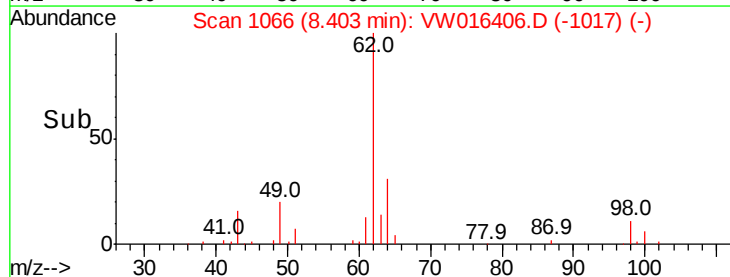
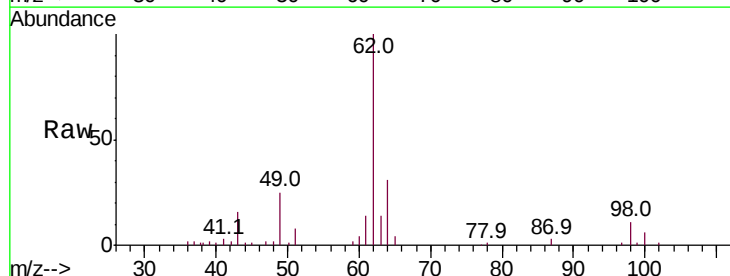
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

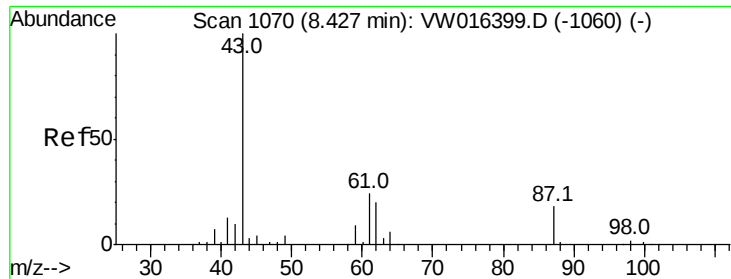
Tot Ion:	41	Resp:	9860
Ion	Ratio	Lower	Upper
41	100		
39	58.8	45.4	68.2
67	80.2	65.8	98.6
52	33.8	27.8	41.8



#42
1,2-Dichloroethane
Concen: 20.630 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion:	62	Resp:	43724
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 18.999 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

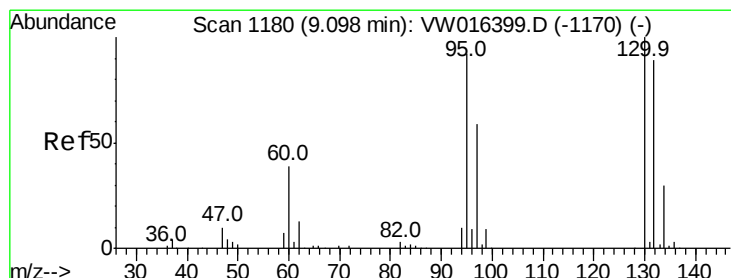
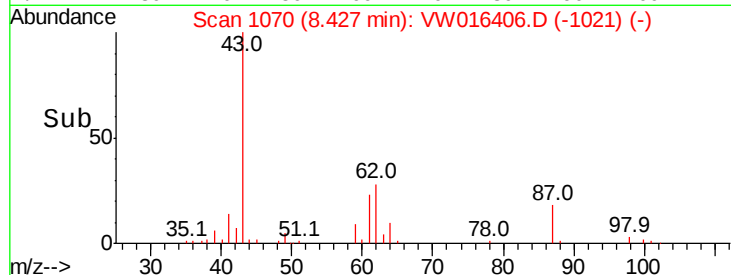
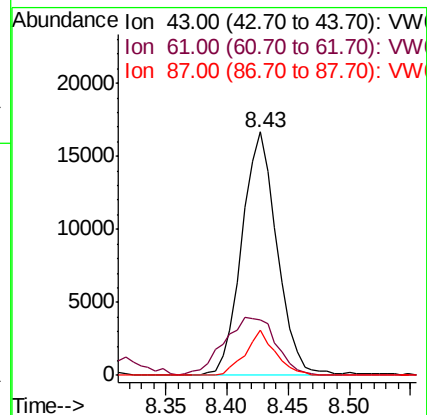
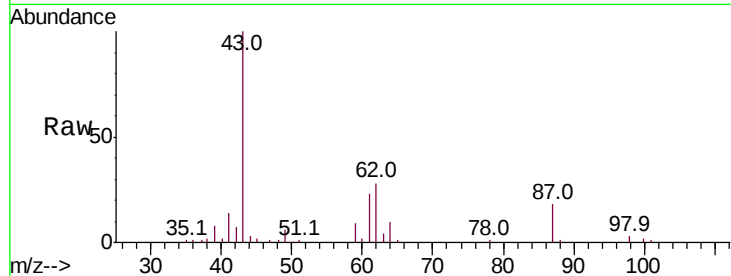
Tot Ion: 43 Resp: 33337

Ion Ratio Lower Upper

43 100

61 35.1 27.5 41.3

87 15.6 13.5 20.3



#44

Trichloroethene

Concen: 20.432 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016406.D

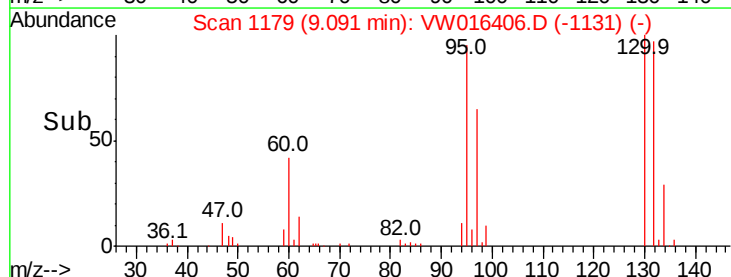
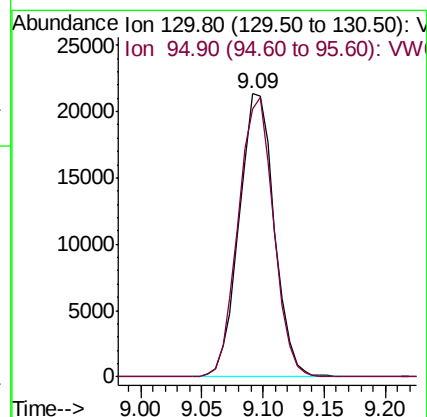
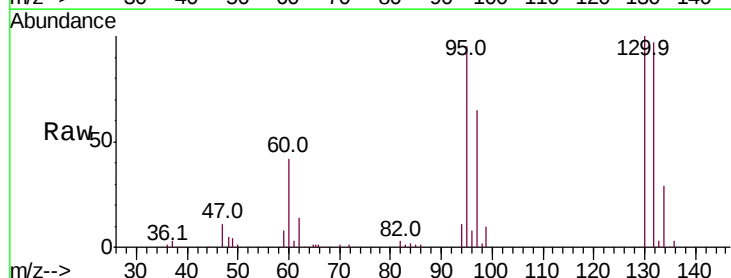
Acq: 31 Aug 2020 13:03

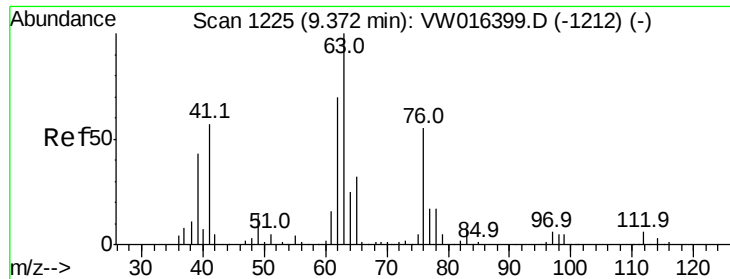
Tgt Ion: 130 Resp: 42480

Ion Ratio Lower Upper

130 100

95 94.8 0.0 183.4





#45

1,2-Dichloropropane

Concen: 19.566 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

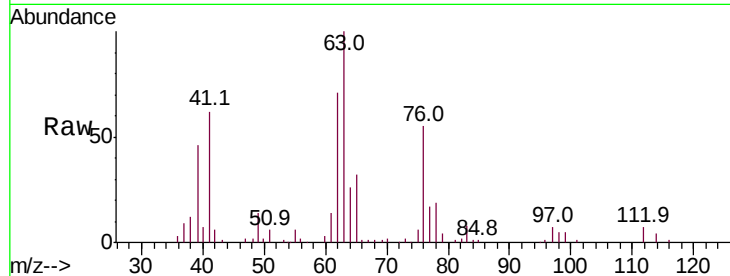
VW0831SBS01

Tot Ion: 63 Resp: 31540

Ion Ratio Lower Upper

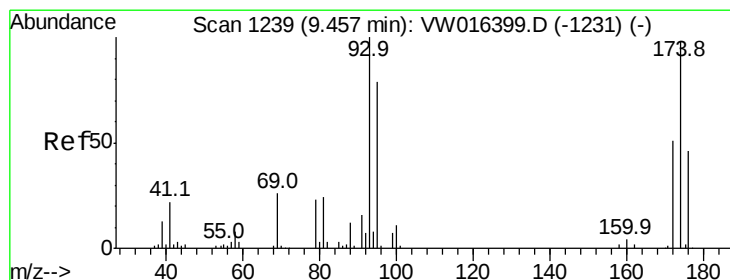
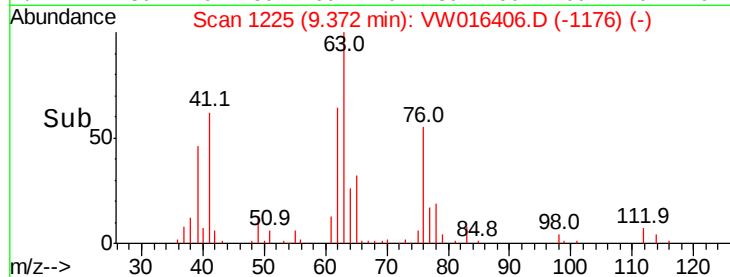
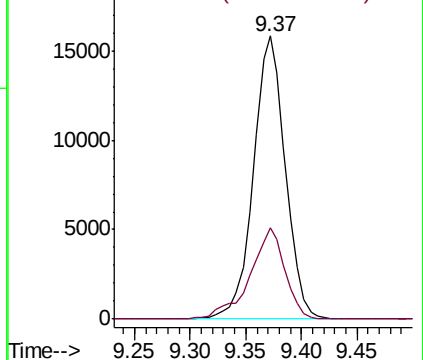
63 100

65 32.2 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 19.875 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

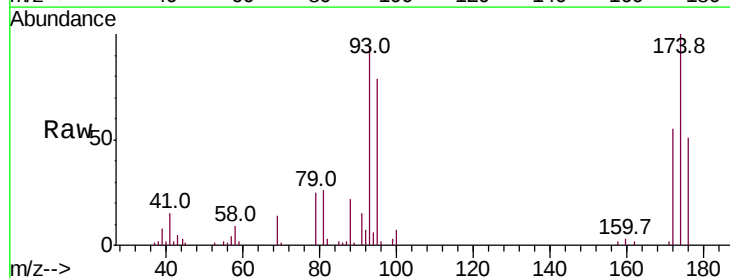
Tgt Ion: 93 Resp: 19035

Ion Ratio Lower Upper

93 100

95 83.0 65.3 97.9

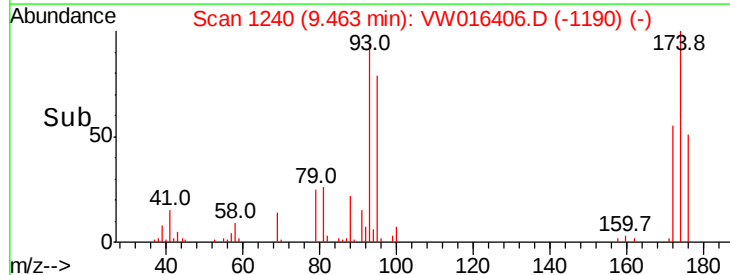
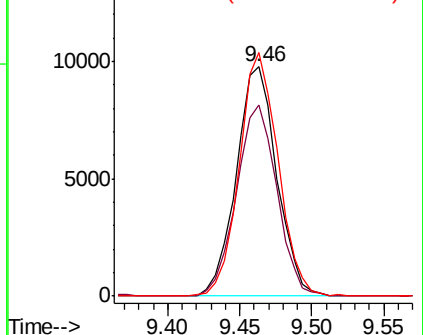
174 101.4 80.1 120.1

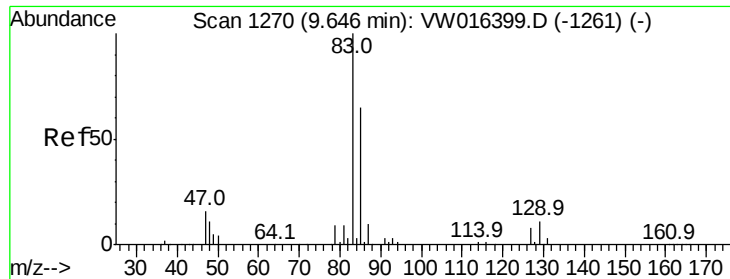


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.123 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

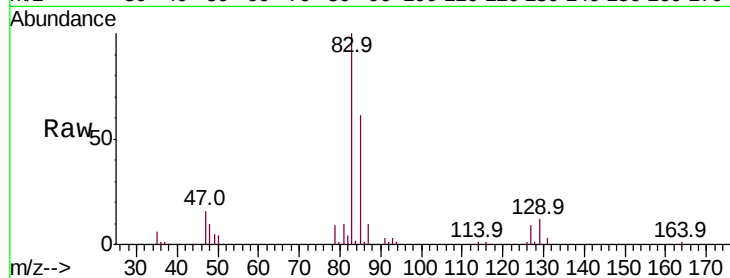
Tot Ion: 83 Resp: 49706

Ion Ratio Lower Upper

83 100

85 61.1 52.2 78.2

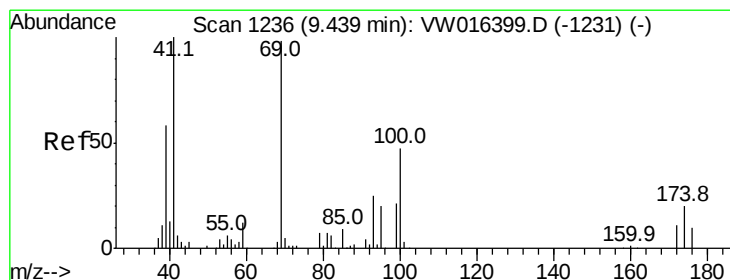
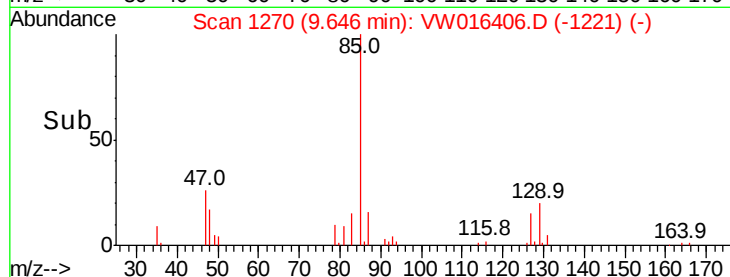
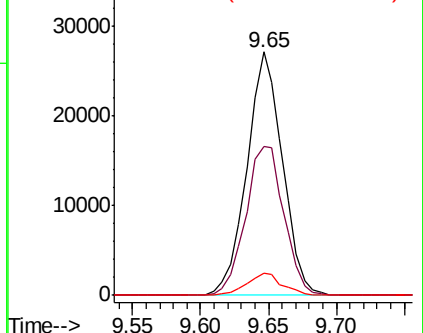
127 9.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 18.407 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

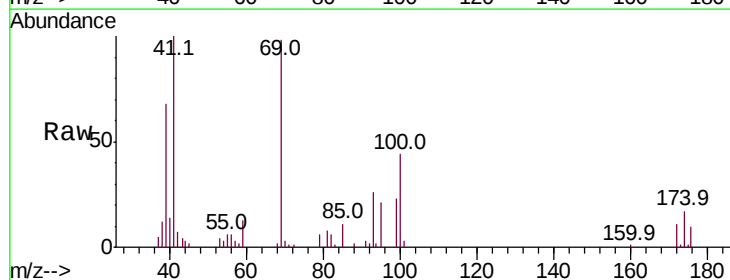
Tgt Ion: 41 Resp: 15399

Ion Ratio Lower Upper

41 100

69 104.5 83.5 125.3

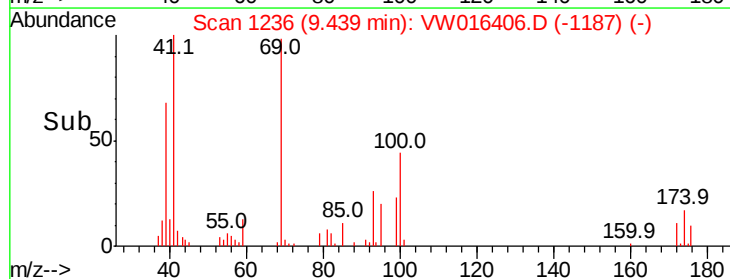
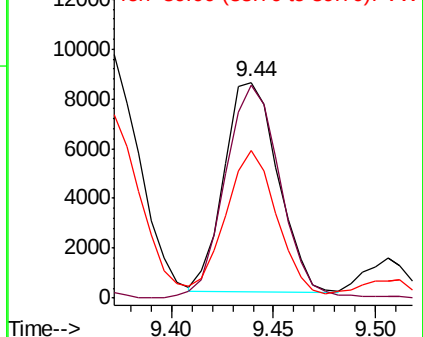
39 64.1 48.7 73.1

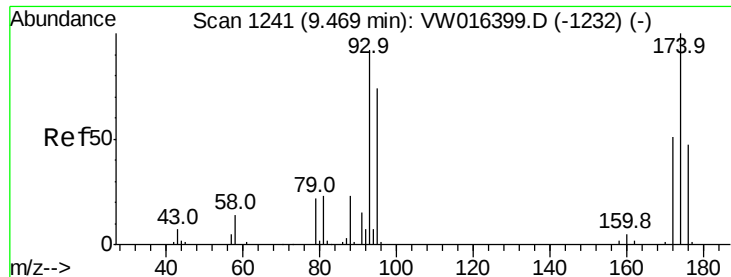


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

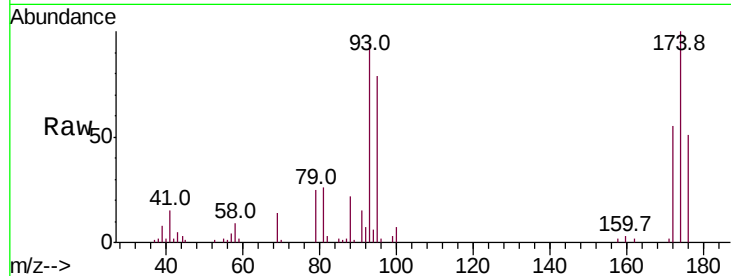




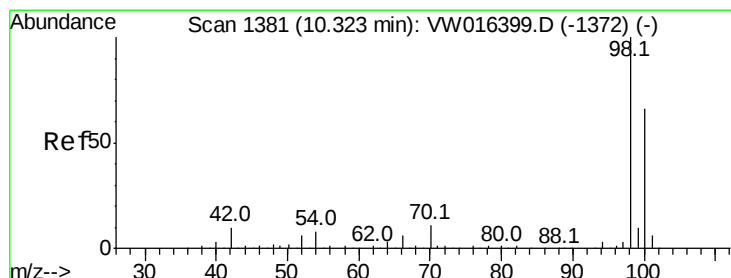
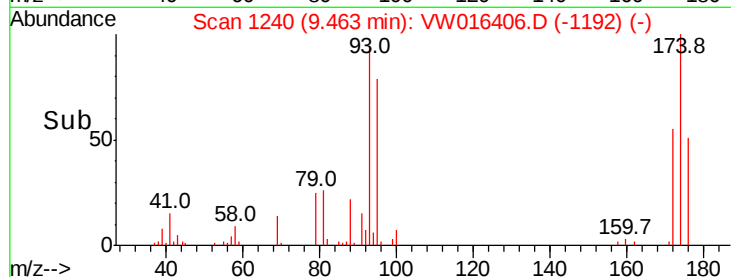
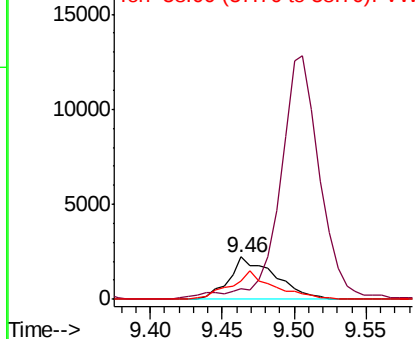
#49
1,4-Dioxane
Concen: 377.439 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion: 88 Resp: 4924
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 64.1 53.5 80.3

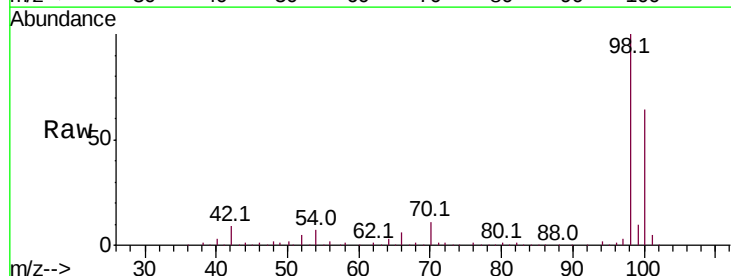


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

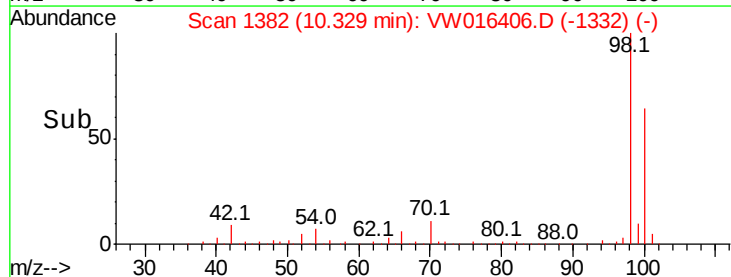
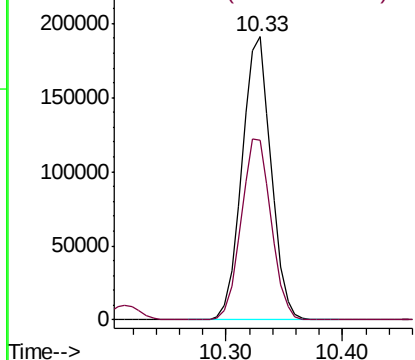


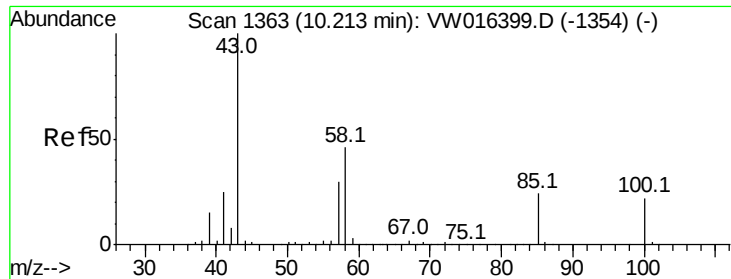
#50
Toluene-d8
Concen: 51.512 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion: 98 Resp: 332983
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



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: 93.500 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleID :

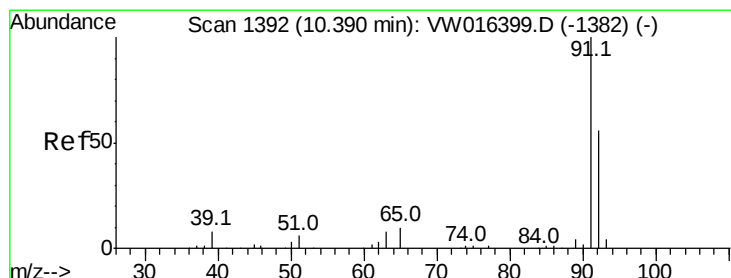
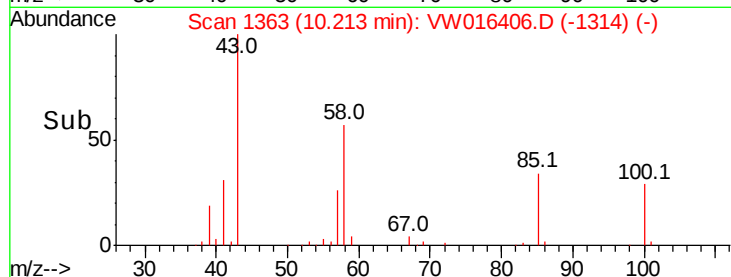
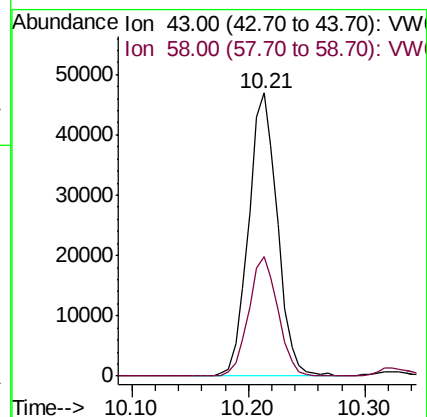
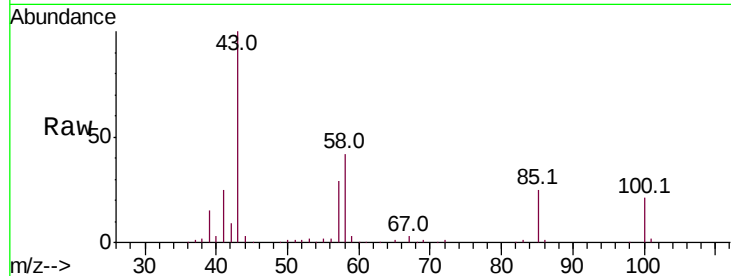
VW0831SBS01

Tot Ion: 43 Resp: 81122

Ion Ratio Lower Upper

43 100

58 42.8 35.4 53.0



#52

Toluene

Concen: 20.776 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016406.D

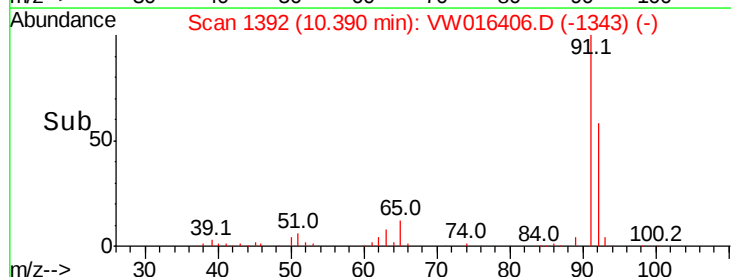
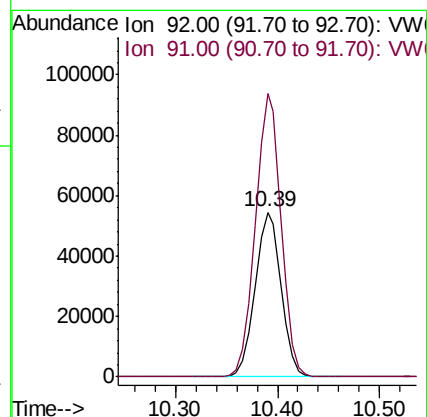
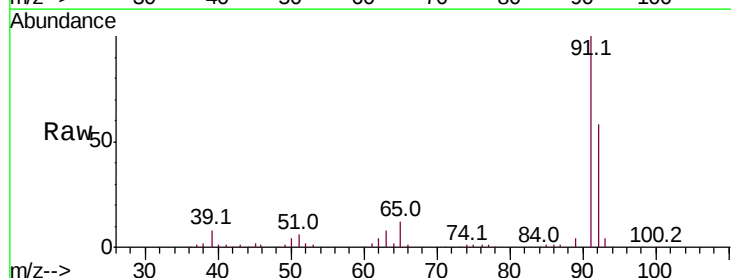
Acq: 31 Aug 2020 13:03

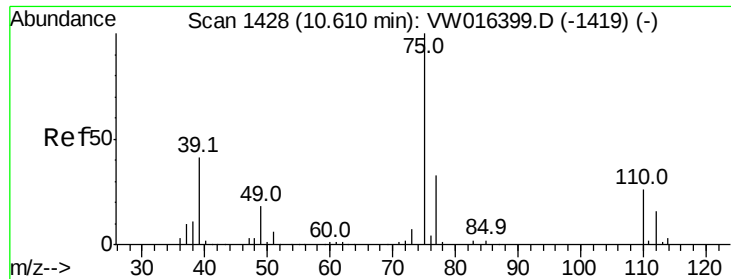
Tgt Ion: 92 Resp: 96793

Ion Ratio Lower Upper

92 100

91 170.4 137.1 205.7

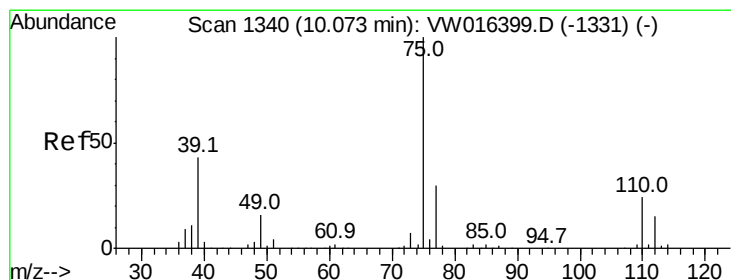
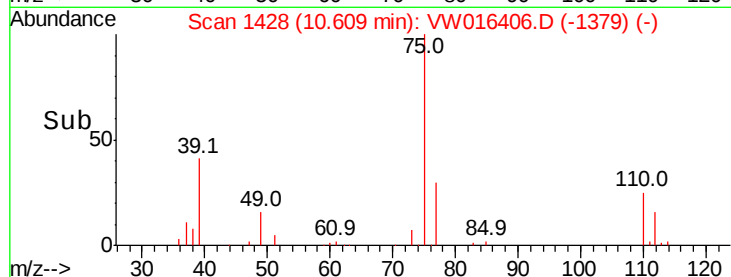
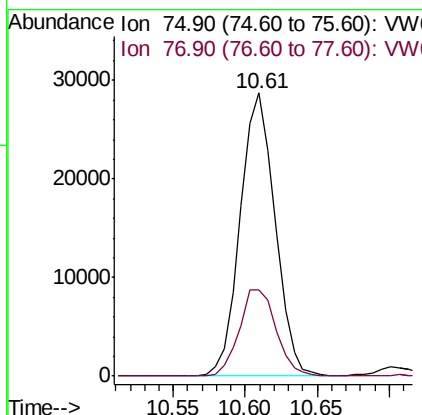
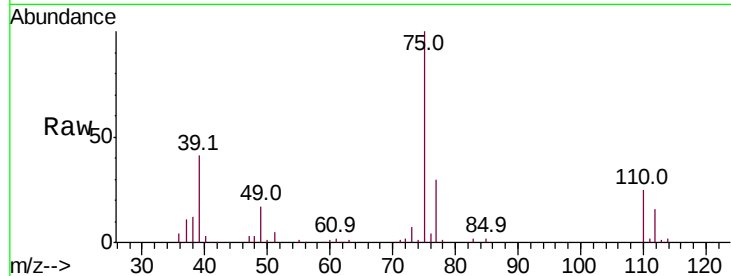




#53
 t-1,3-Dichloropropene
 Concen: 20.065 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

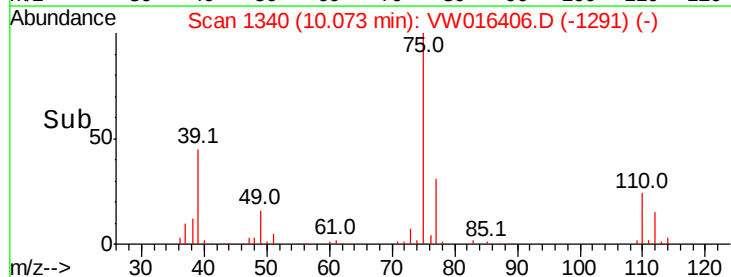
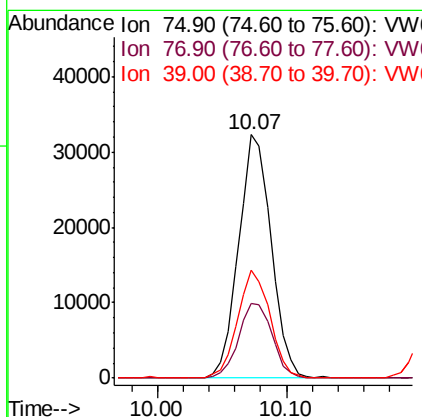
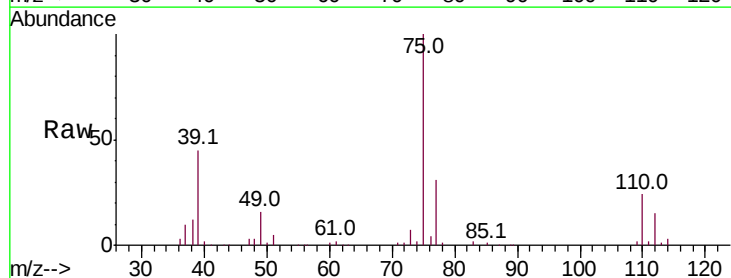
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

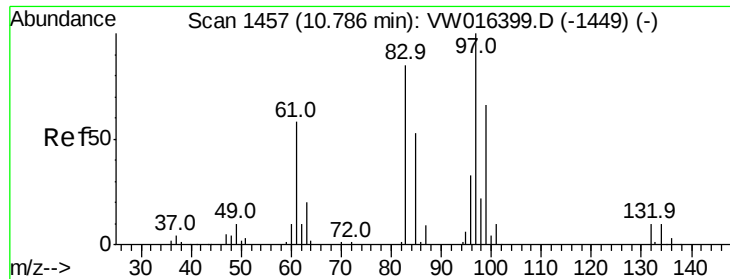
Tot Ion: 75 Resp: 48200
 Ion Ratio Lower Upper
 75 100
 77 30.3 26.1 39.1



#54
 cis-1,3-Dichloropropene
 Concen: 20.241 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion: 75 Resp: 56654
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.4 36.6
 39 44.5 34.6 51.8

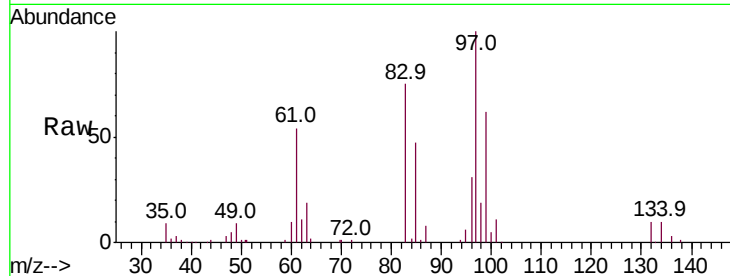




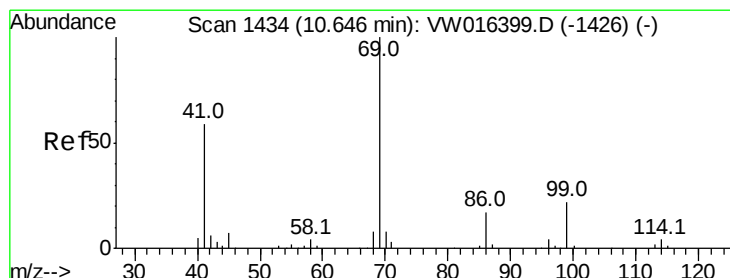
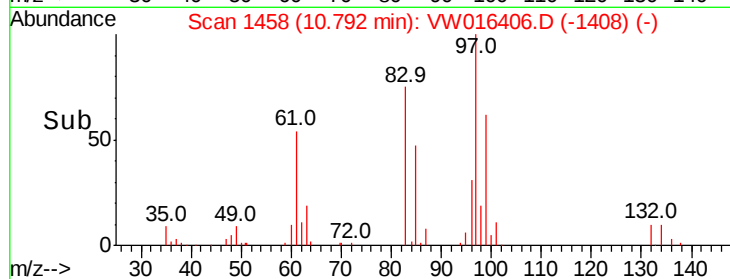
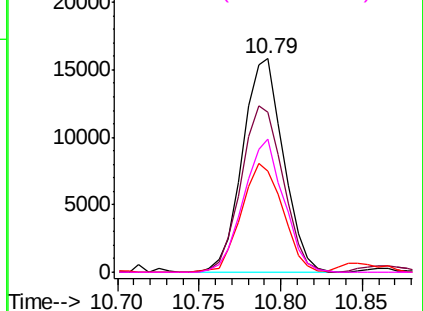
#55
 1,1,2-Trichloroethane
 Concen: 20.266 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion: 97 Resp: 27674
 Ion Ratio Lower Upper
 97 100
 83 75.0 68.0 102.0
 85 47.5 42.2 63.2
 99 62.1 52.6 78.8

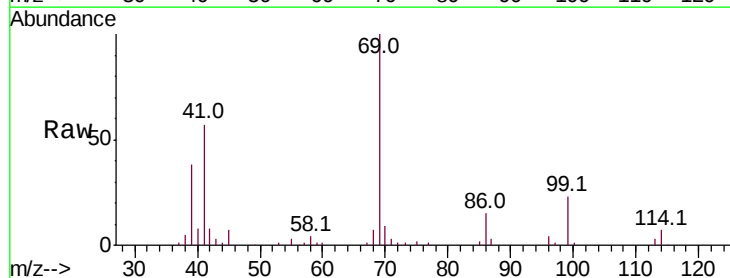


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

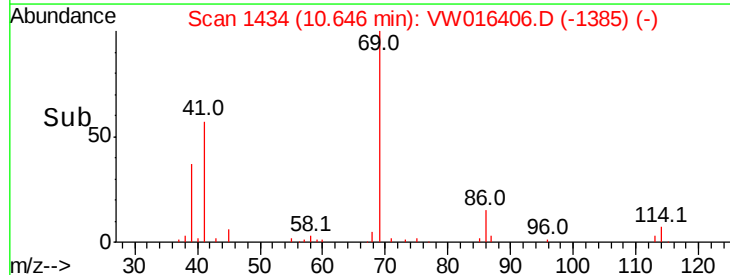
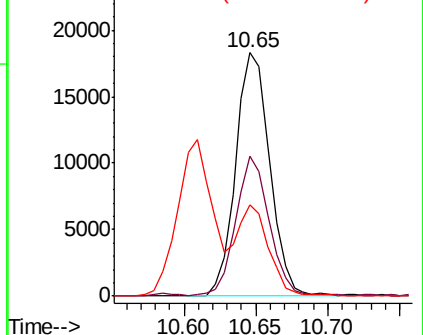


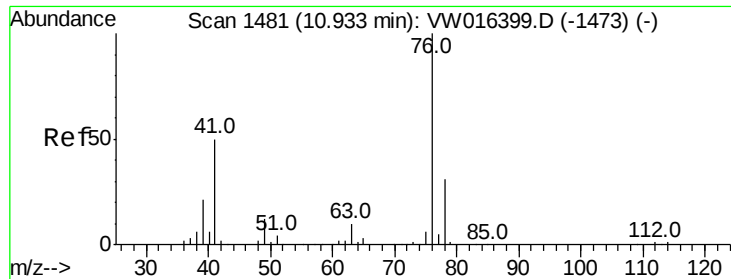
#56
 Ethyl methacrylate
 Concen: 18.926 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion: 69 Resp: 30200
 Ion Ratio Lower Upper
 69 100
 41 55.4 46.5 69.7
 39 34.5 26.2 39.2



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

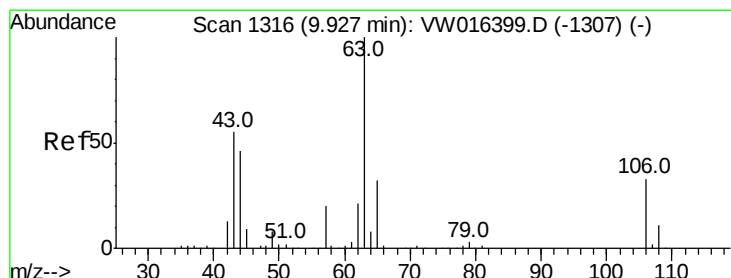
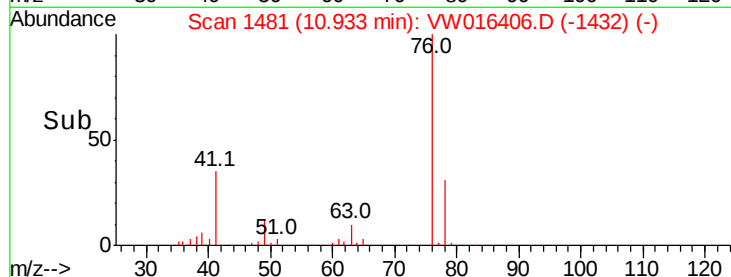
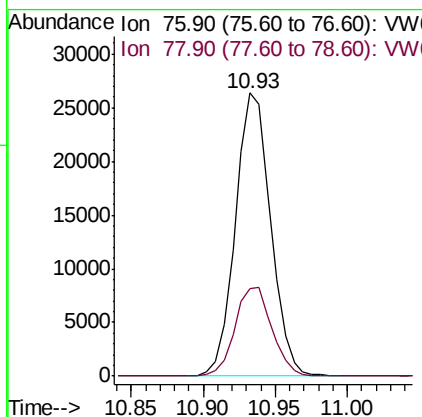
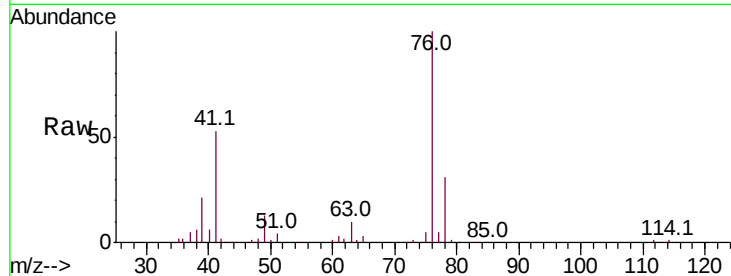




#57
 1,3-Dichloropropane
 Concen: 19.746 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

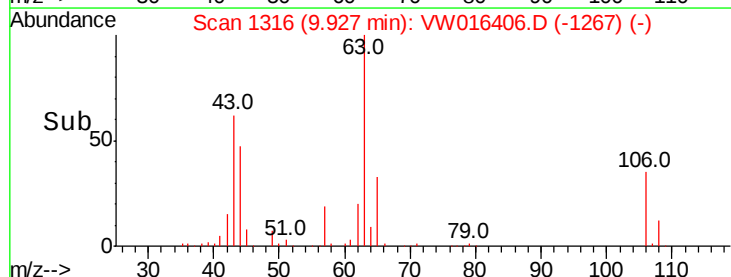
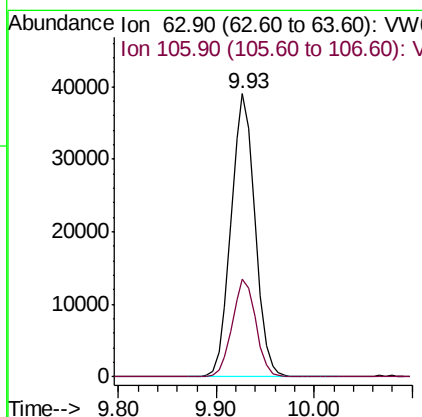
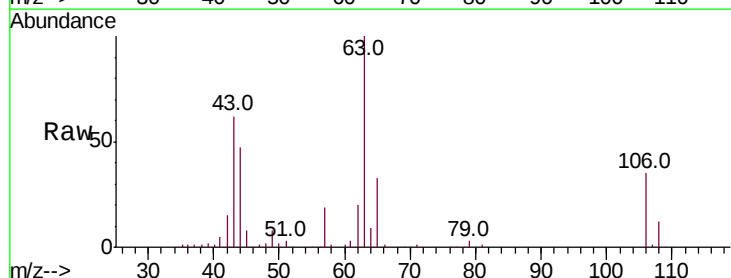
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

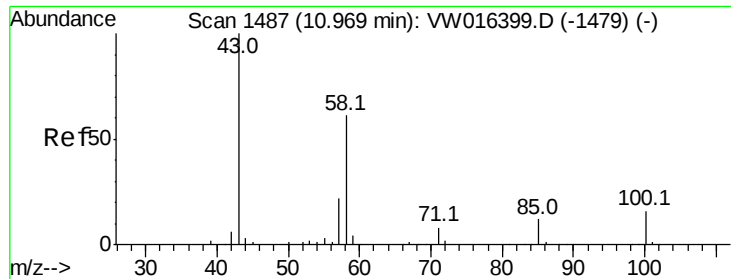
Tot Ion: 76 Resp: 44803
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.610 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion: 63 Resp: 66355
 Ion Ratio Lower Upper
 63 100
 106 34.0 26.6 40.0

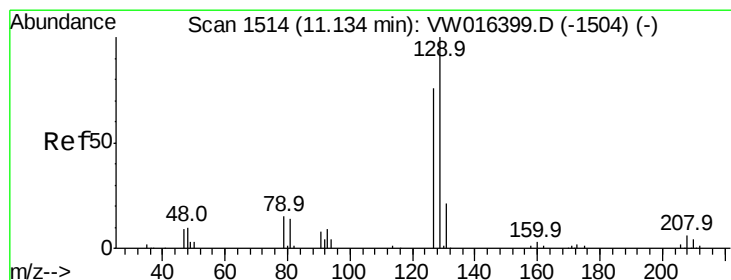
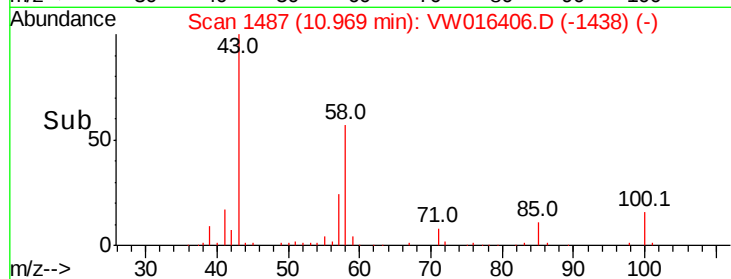
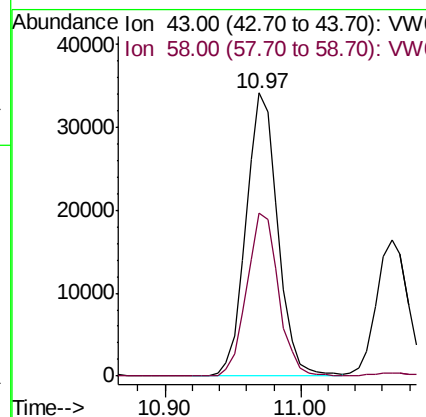
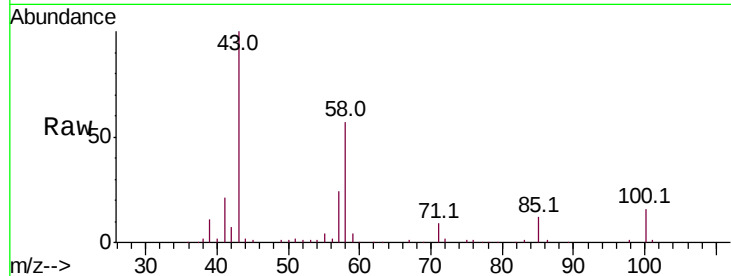




#59
2-Hexanone
Concen: 94.047 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

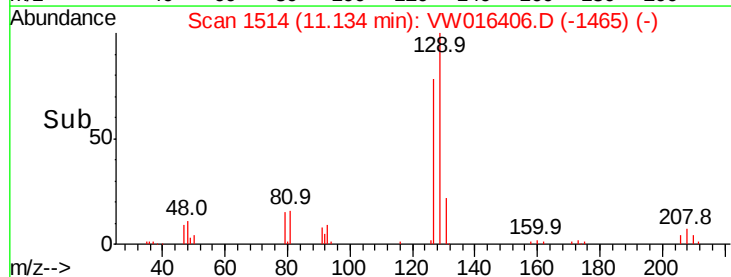
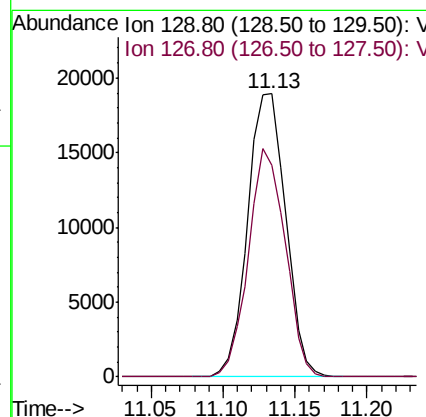
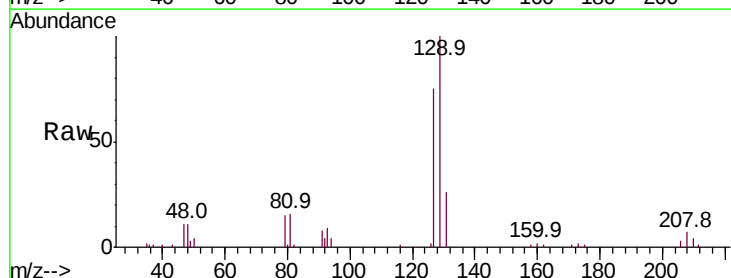
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

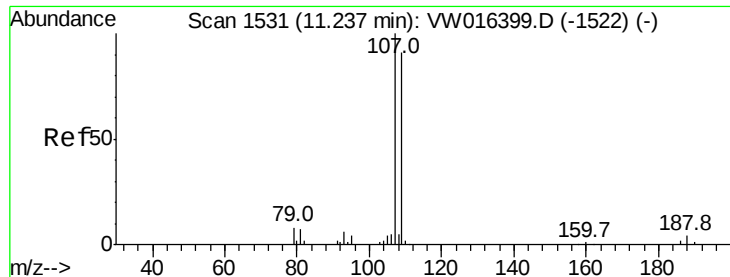
Tot Ion: 43 Resp: 55668
Ion Ratio Lower Upper
43 100
58 57.5 29.7 89.1



#60
Dibromochloromethane
Concen: 20.033 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion: 129 Resp: 34590
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.7





#61

1,2-Dibromoethane

Concen: 19.347 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

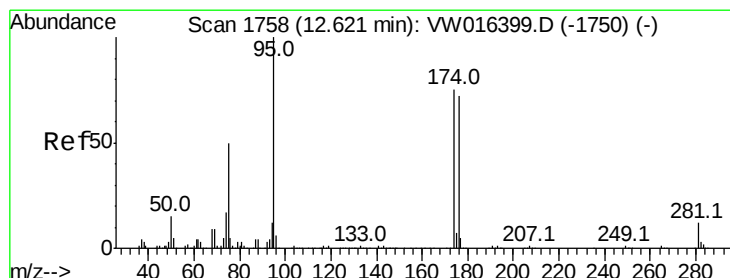
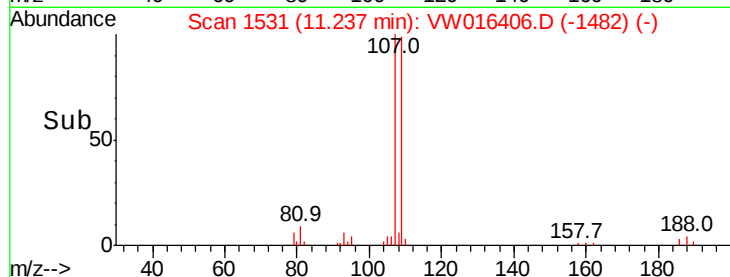
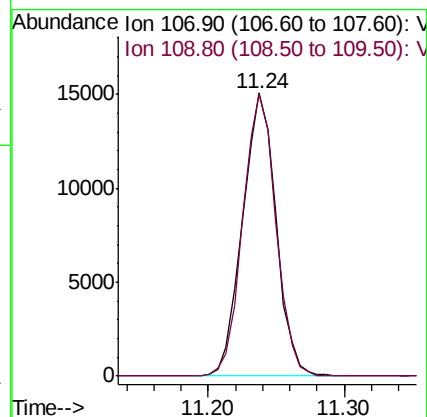
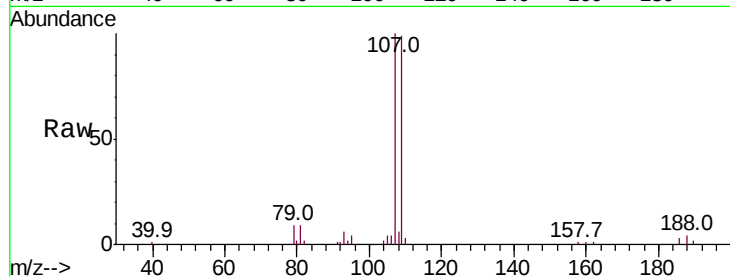
VW0831SBS01

Tot Ion:107 Resp: 25909

Ion Ratio Lower Upper

107 100

109 98.4 74.5 111.7



#62

4-Bromofluorobenzene

Concen: 50.710 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

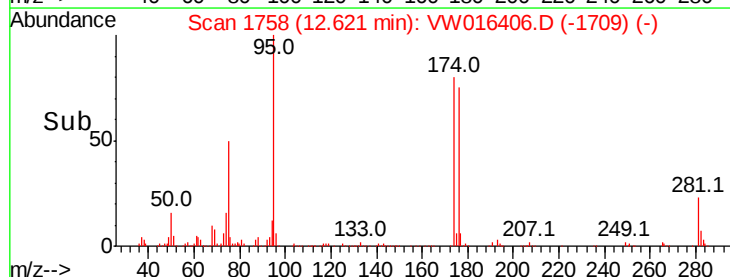
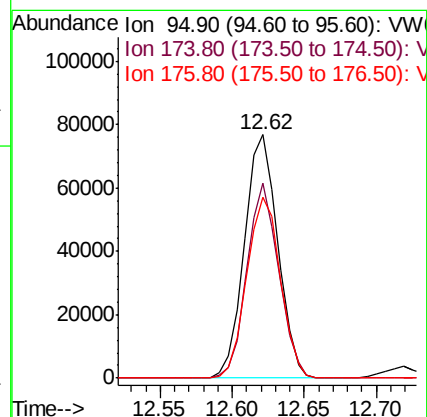
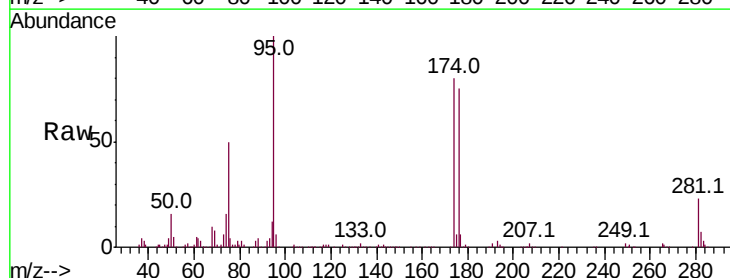
Tgt Ion: 95 Resp: 122922

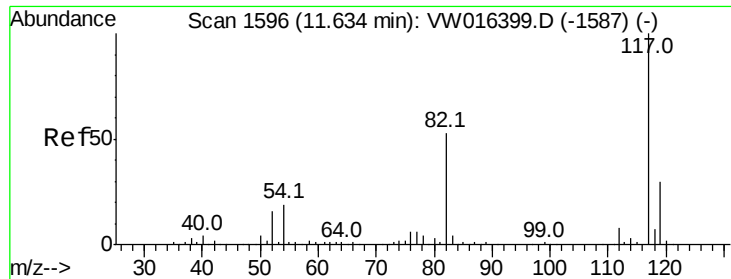
Ion Ratio Lower Upper

95 100

174 76.2 0.0 152.0

176 74.8 0.0 145.6

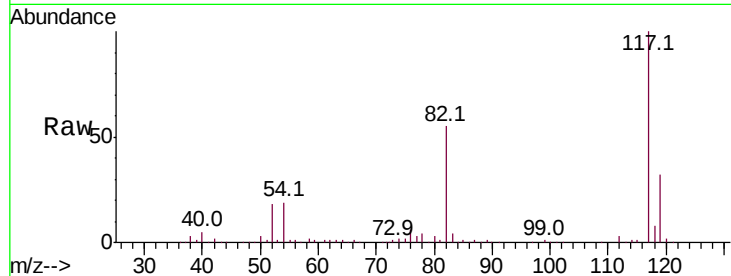




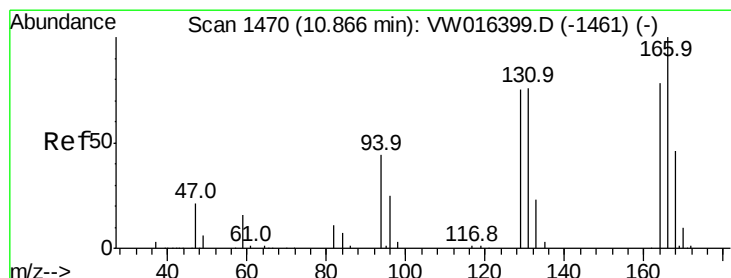
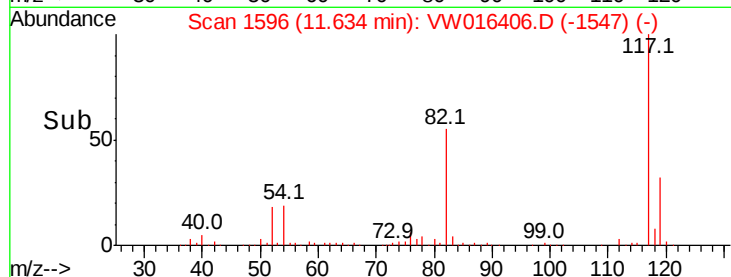
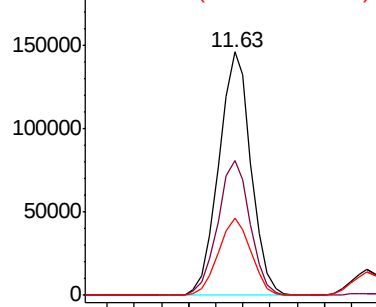
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion:117 Resp: 241959
Ion Ratio Lower Upper
117 100
82 55.1 42.2 63.4
119 31.6 24.2 36.4

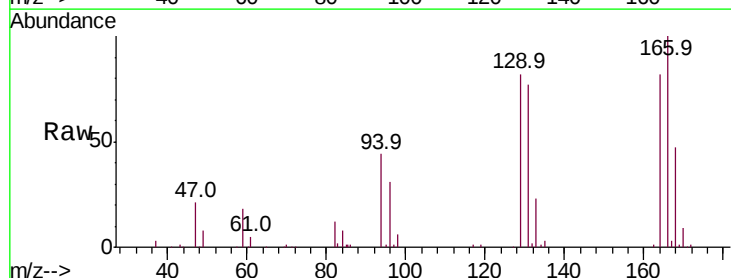


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

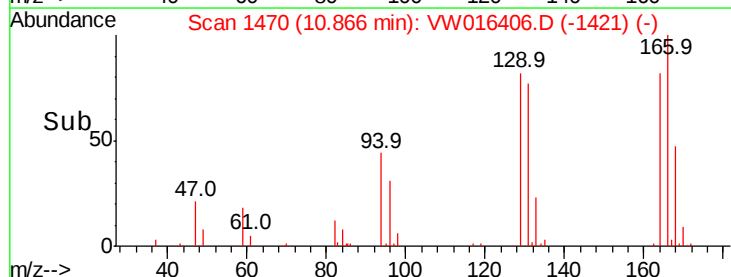
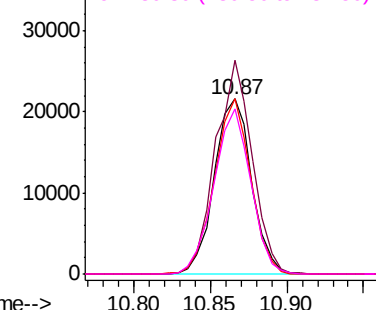


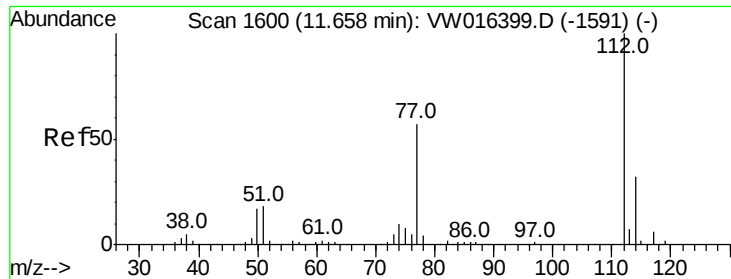
#64
Tetrachloroethene
Concen: 22.034 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion:164 Resp: 36621
Ion Ratio Lower Upper
164 100
166 121.9 103.1 154.7
129 99.8 77.3 115.9
131 94.2 78.2 117.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

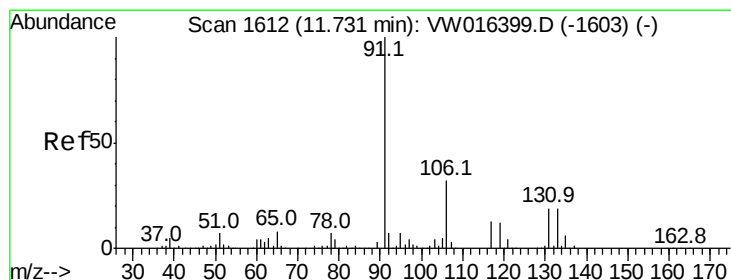
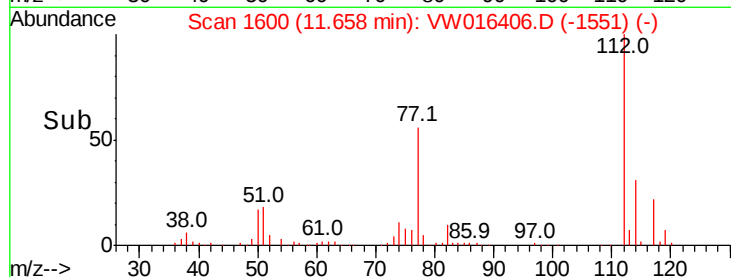
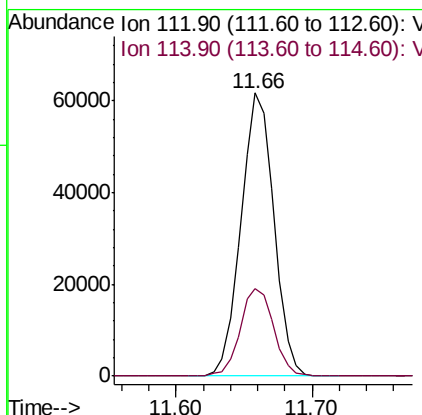
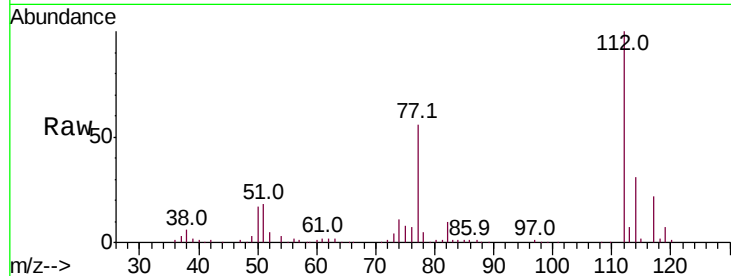




#65
Chlorobenzene
Concen: 20.915 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

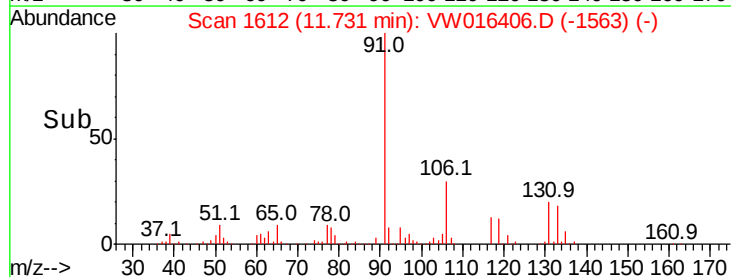
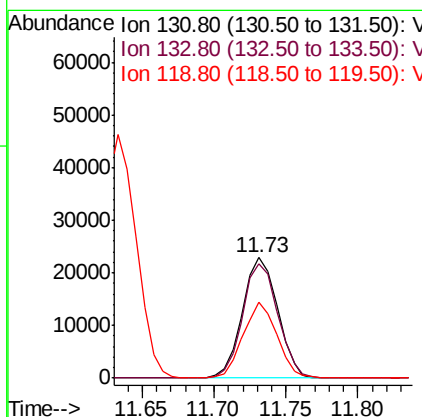
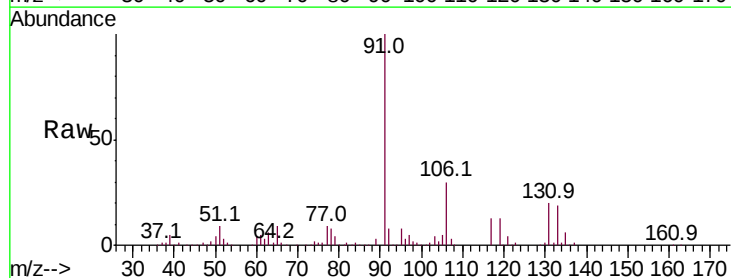
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

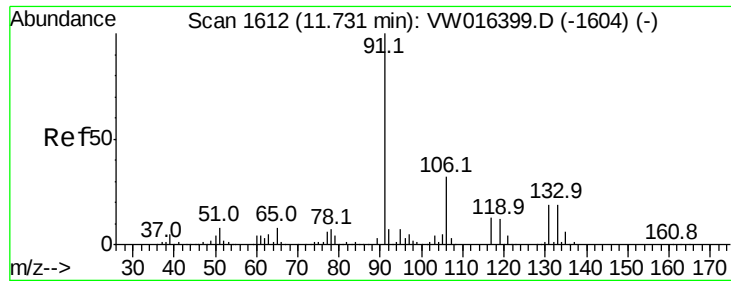
Tot Ion:112 Resp: 104225
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.064 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion:131 Resp: 38866
Ion Ratio Lower Upper
131 100
133 95.4 46.9 140.6
119 60.7 31.6 95.0

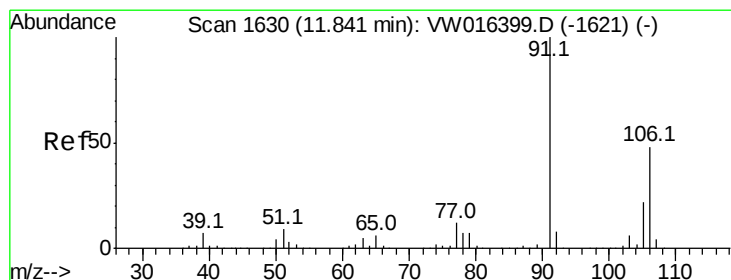
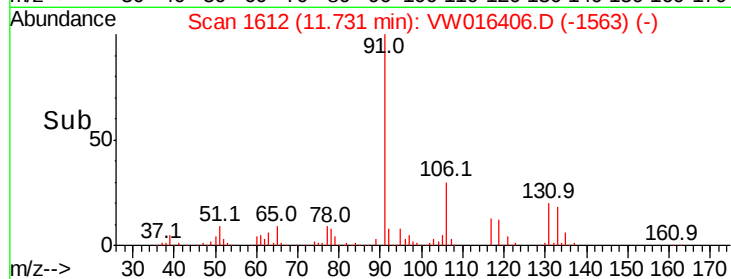
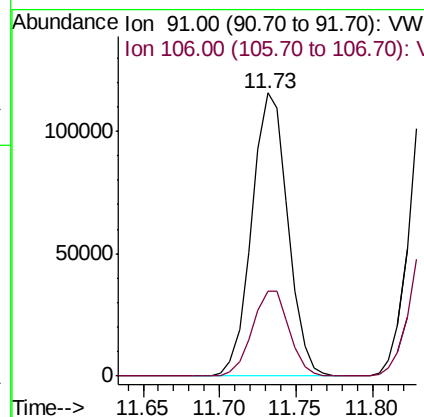
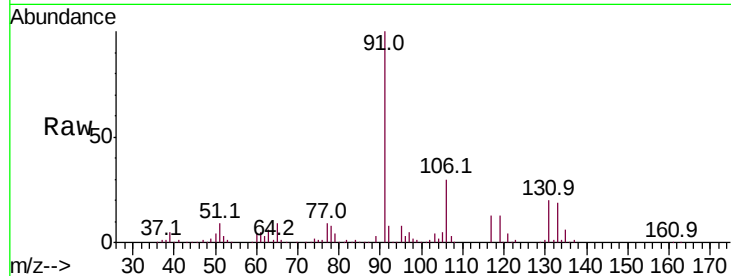




#67
Ethyl Benzene
Concen: 21.311 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

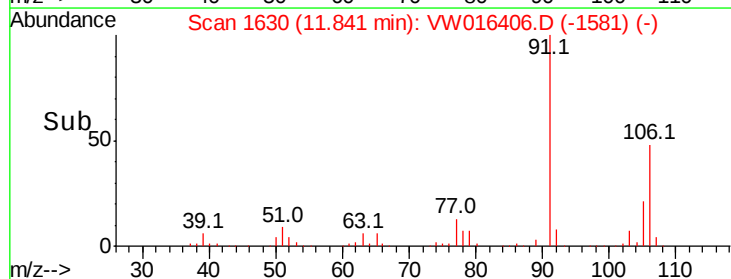
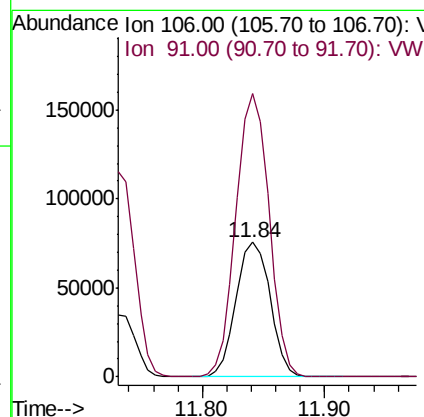
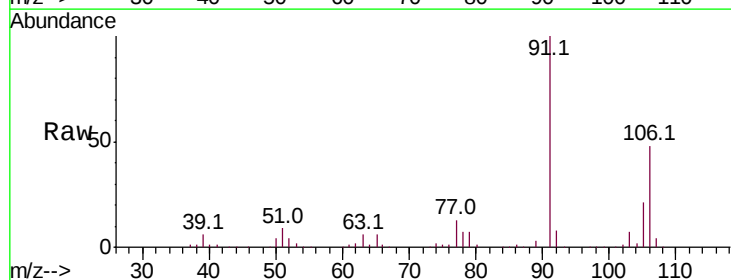
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

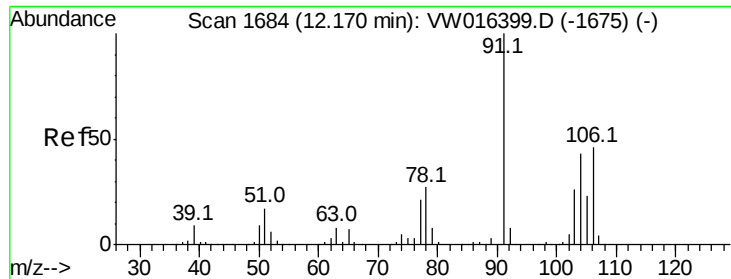
Tot Ion: 91 Resp: 189594
Ion Ratio Lower Upper
91 100
106 30.2 25.3 37.9



#68
m/p-Xylenes
Concen: 43.305 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion:106 Resp: 147089
Ion Ratio Lower Upper
106 100
91 204.1 167.7 251.5

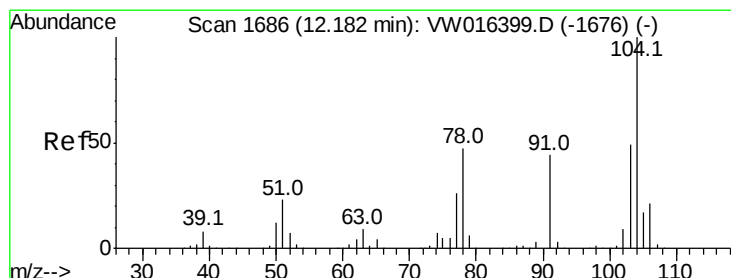
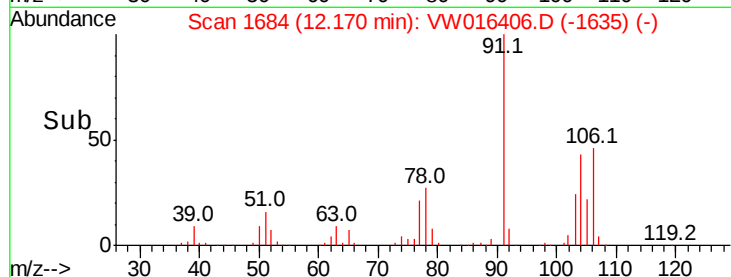
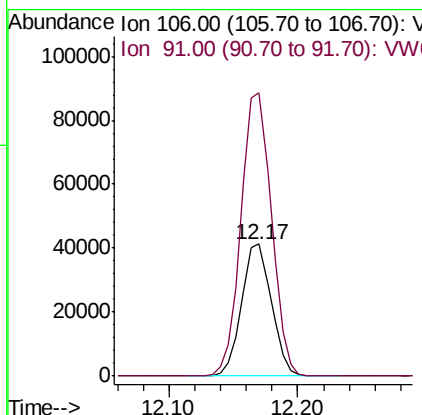
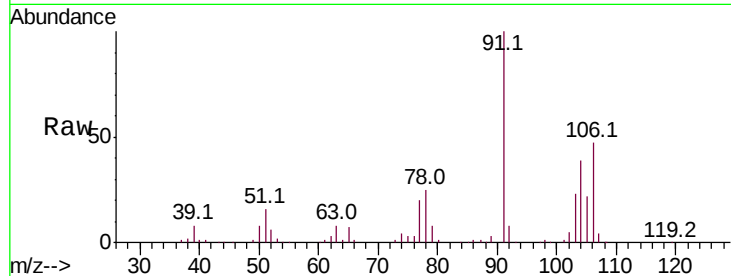




#69
o-Xylene
Concen: 21.215 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

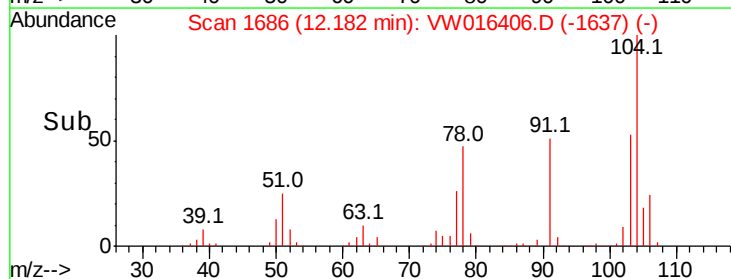
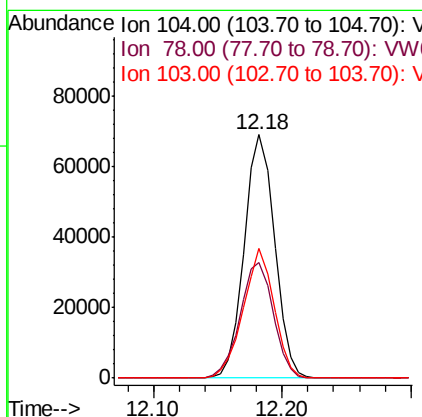
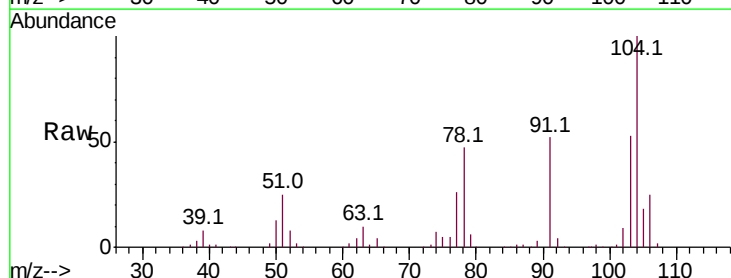
Instrument :
MSVOA_W
ClientSampled :
VW0831SBS01

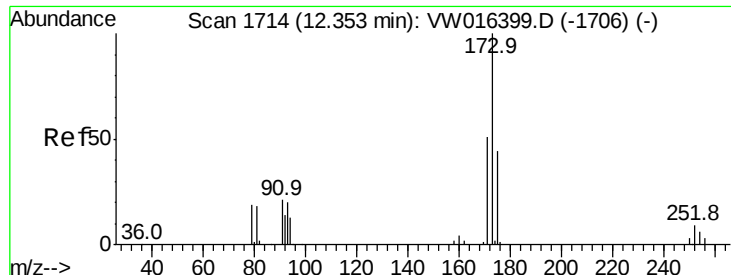
Tot Ion:106 Resp: 66263
Ion Ratio Lower Upper
106 100
91 219.0 111.7 334.9



#70
Styrene
Concen: 21.105 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion:104 Resp: 112349
Ion Ratio Lower Upper
104 100
78 52.2 41.7 62.5
103 54.2 42.9 64.3





#71

Bromoform

Concen: 20.203 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

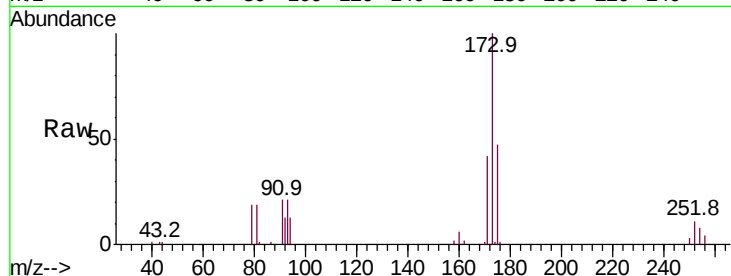
Tot Ion:173 Resp: 18968

Ion Ratio Lower Upper

173 100

175 48.9 23.5 70.6

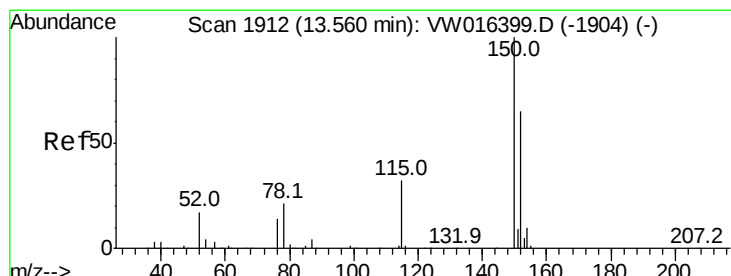
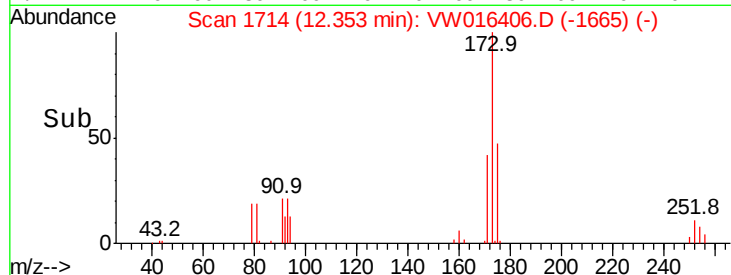
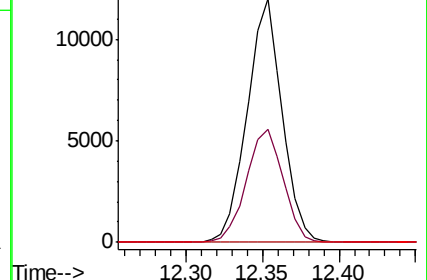
254 0.0 0.0 0.0



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: VW016406.D

Acq: 31 Aug 2020 13:03

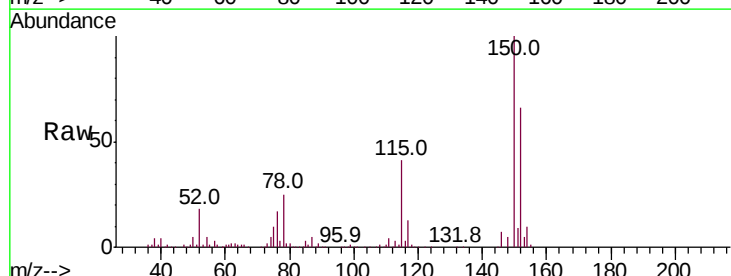
Tgt Ion:152 Resp: 121258

Ion Ratio Lower Upper

152 100

115 63.2 30.9 92.5

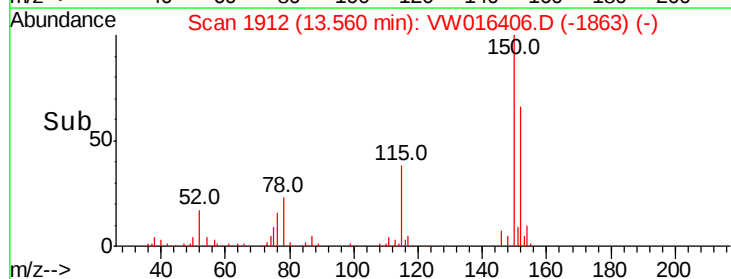
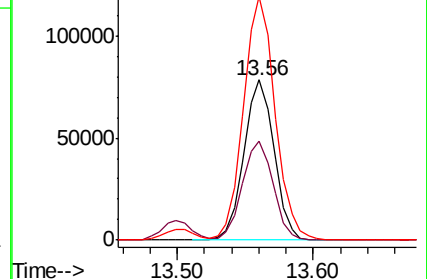
150 159.5 0.0 351.0

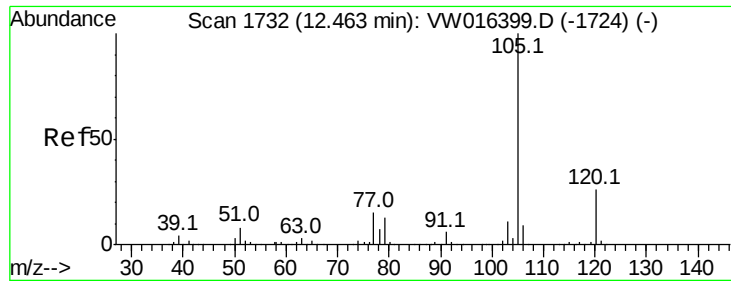


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.358 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

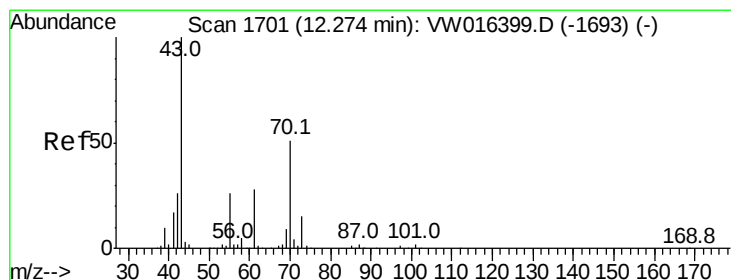
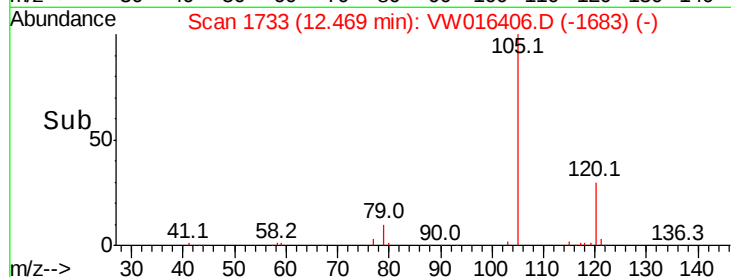
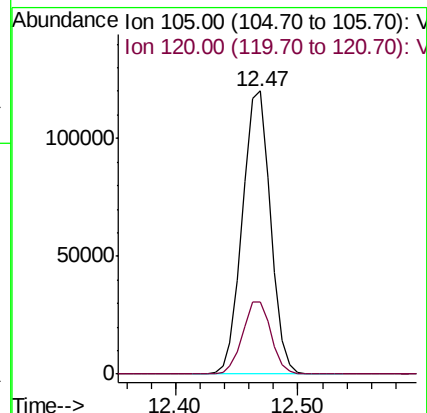
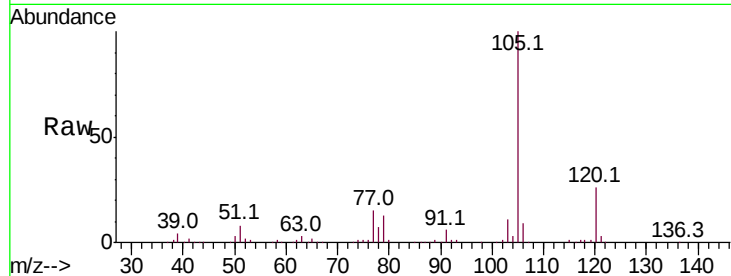
VW0831SBS01

Tot Ion:105 Resp: 190963

Ion Ratio Lower Upper

105 100

120 25.7 13.2 39.6



#74

N-ethyl acetate

Concen: 18.981 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Tgt Ion: 43 Resp: 29699

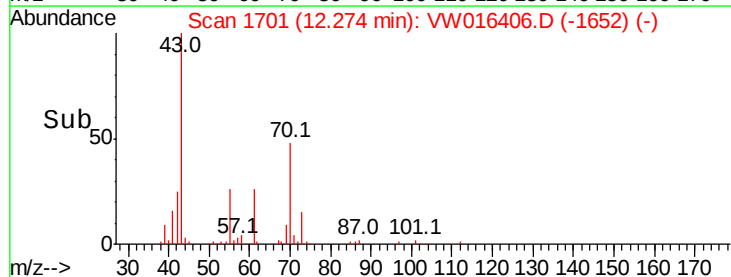
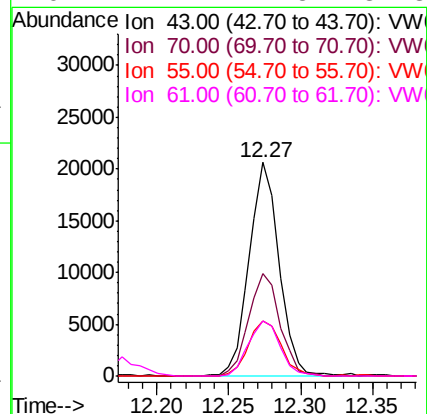
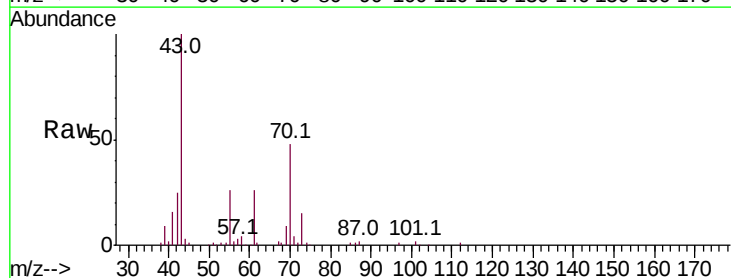
Ion Ratio Lower Upper

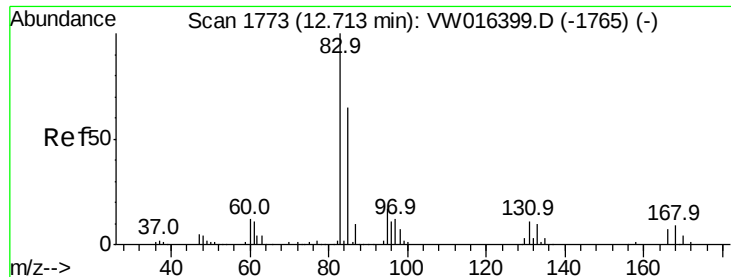
43 100

70 49.8 40.8 61.2

55 28.1 21.6 32.4

61 27.4 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.829 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

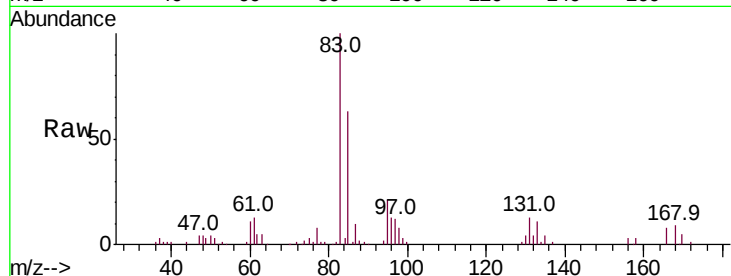
Tot Ion: 83 Resp: 29186

Ion Ratio Lower Upper

83 100

131 12.5 5.9 17.8

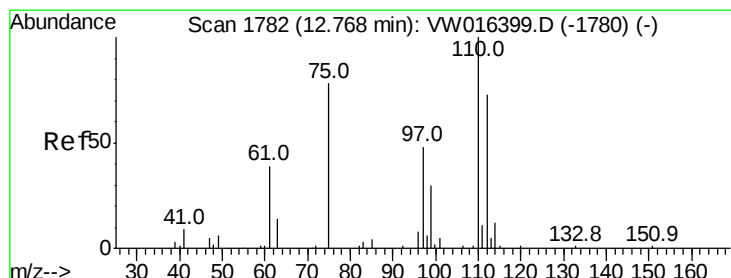
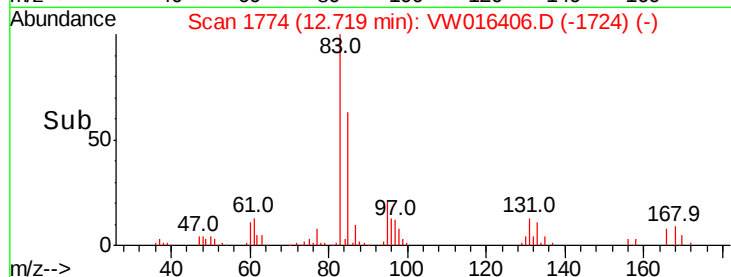
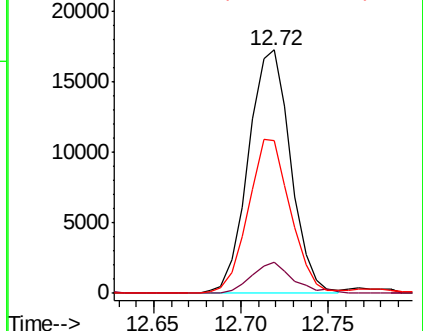
85 63.1 32.3 96.8



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: 35.488 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016406.D

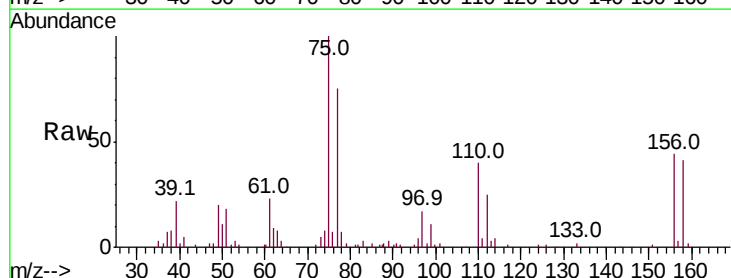
Acq: 31 Aug 2020 13:03

Tgt Ion: 75 Resp: 38051

Ion Ratio Lower Upper

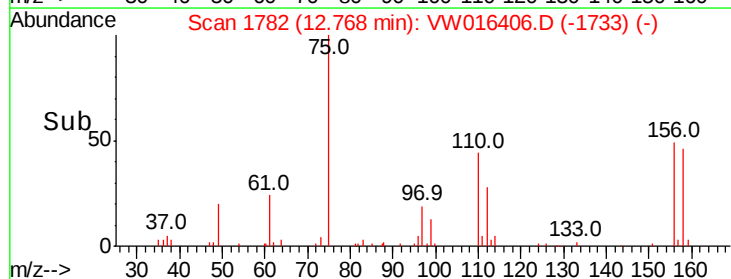
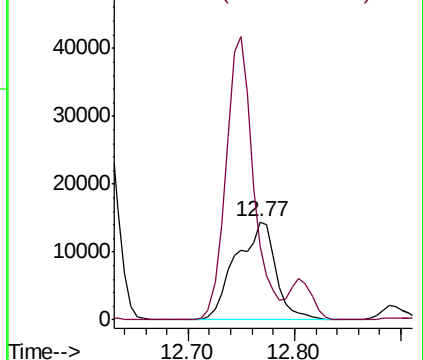
75 100

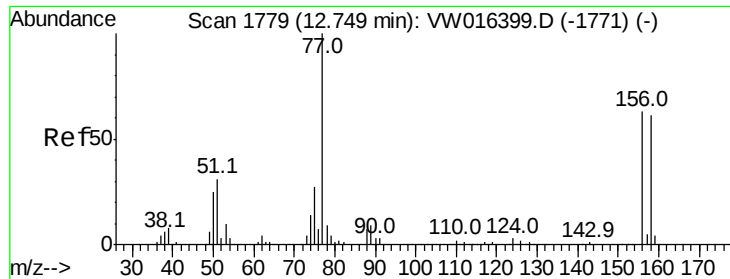
77 198.9 173.4 520.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.575 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

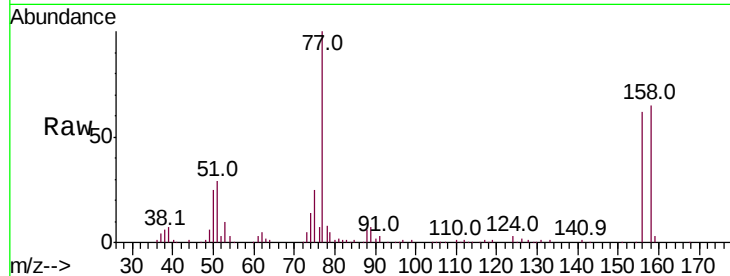
Tot Ion:156 Resp: 42766

Ion Ratio Lower Upper

156 100

77 177.0 90.0 269.9

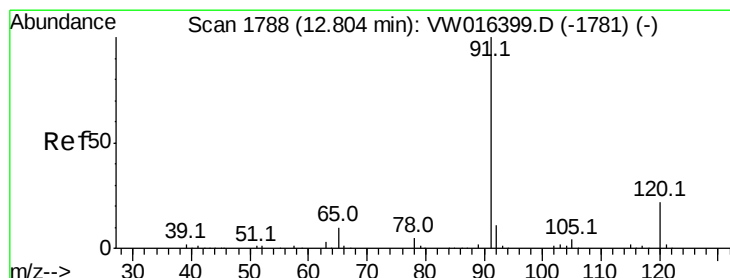
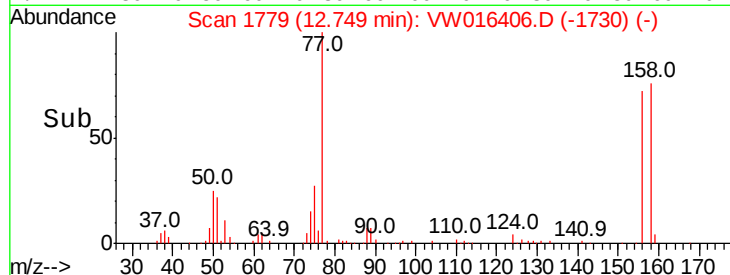
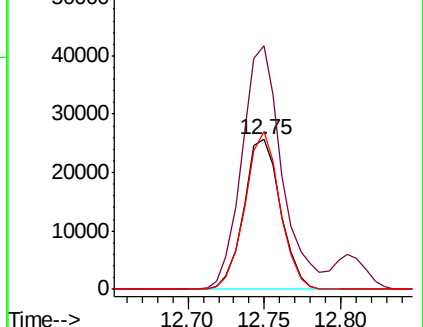
158 99.9 47.3 141.8



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: 21.489 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW016406.D

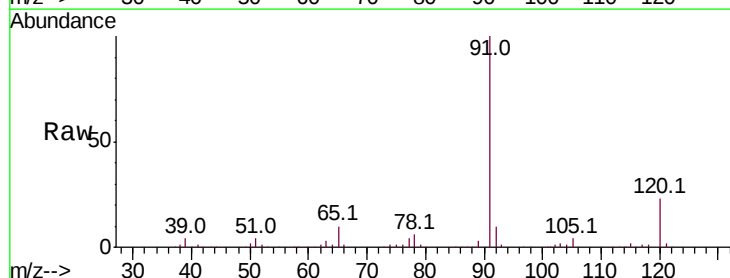
Acq: 31 Aug 2020 13:03

Tgt Ion: 91 Resp: 225550

Ion Ratio Lower Upper

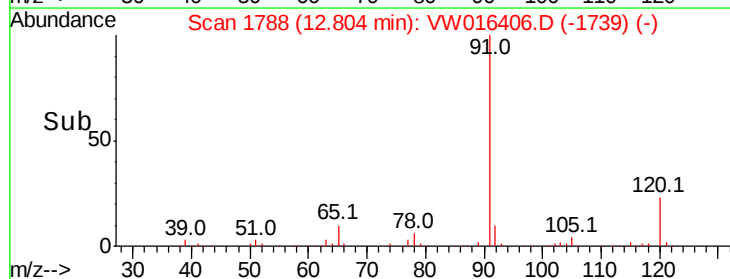
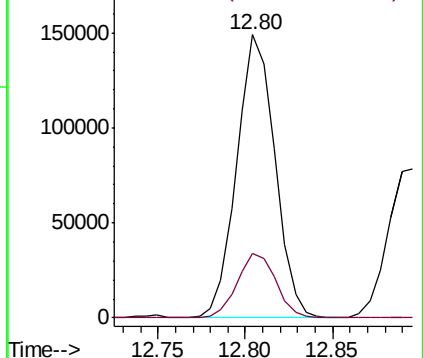
91 100

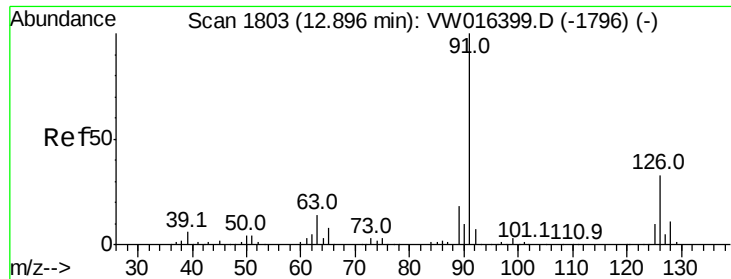
120 23.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

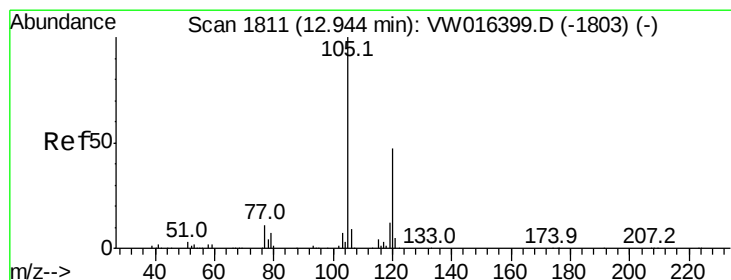
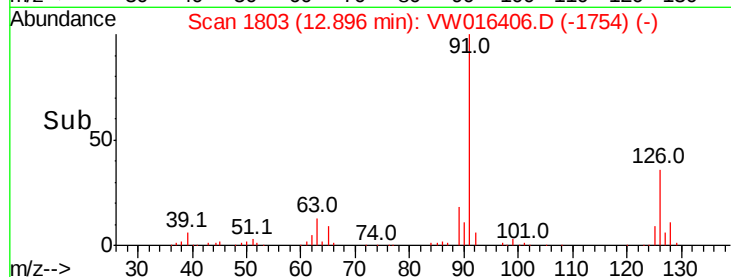
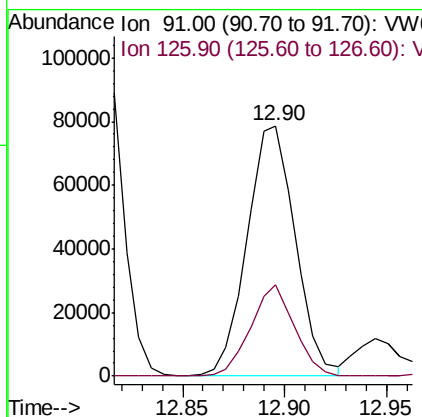
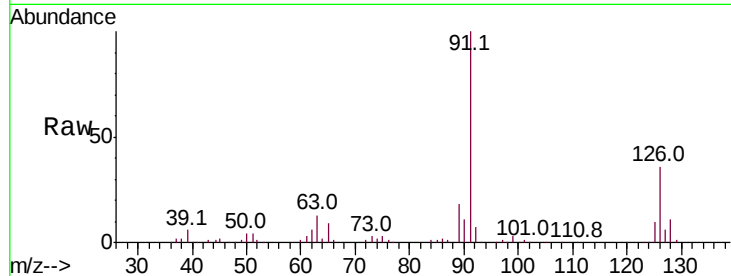




#79
 2-Chlorotoluene
 Concen: 20.925 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

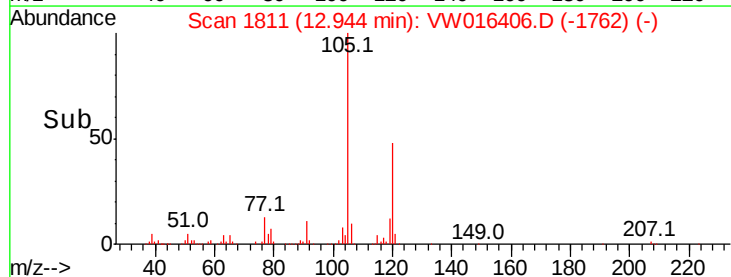
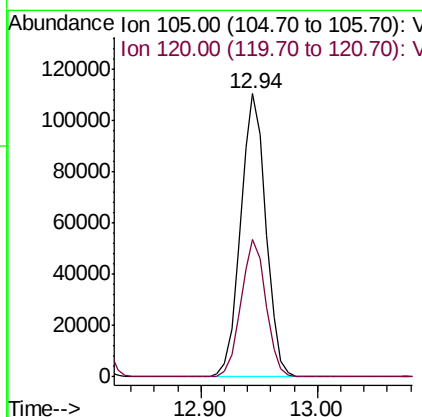
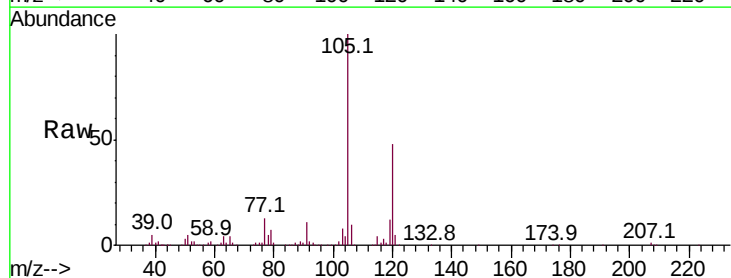
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

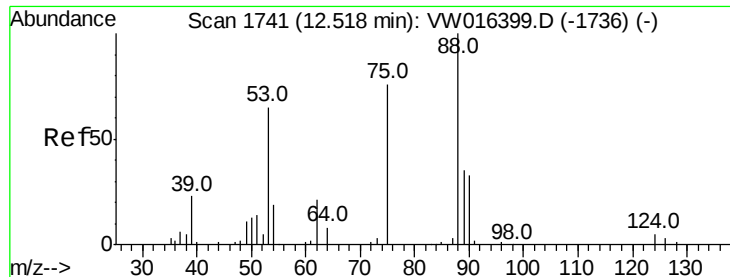
Tot Ion: 91 Resp: 129347
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.270 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion:105 Resp: 166803
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.538 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

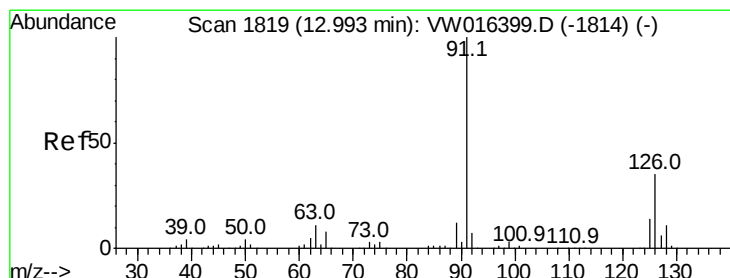
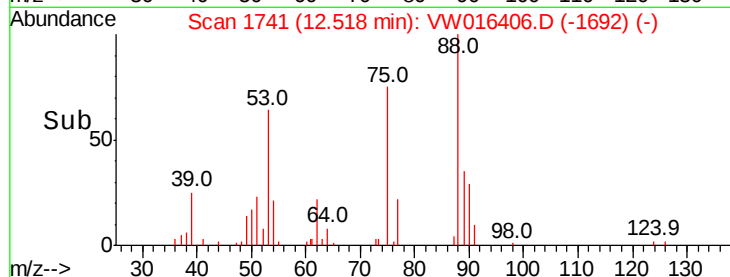
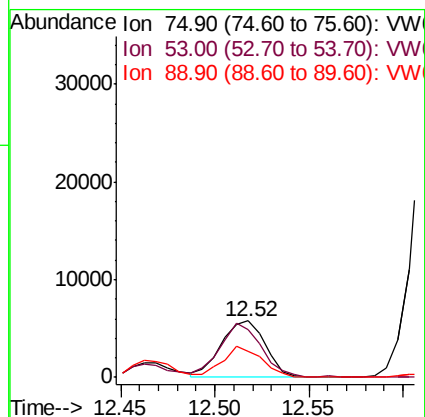
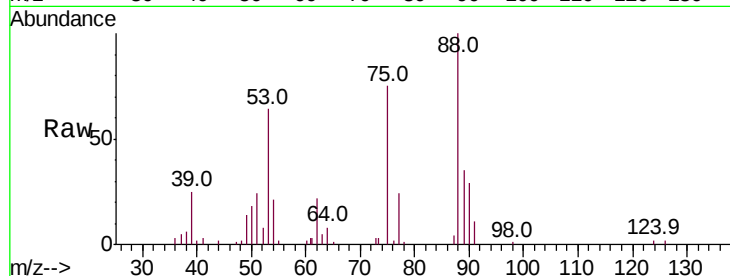
Tot Ion: 75 Resp: 9436

Ion Ratio Lower Upper

75 100

53 89.7 75.2 112.8

89 48.9 40.4 60.6



#82

4-Chlorotoluene

Concen: 21.104 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW016406.D

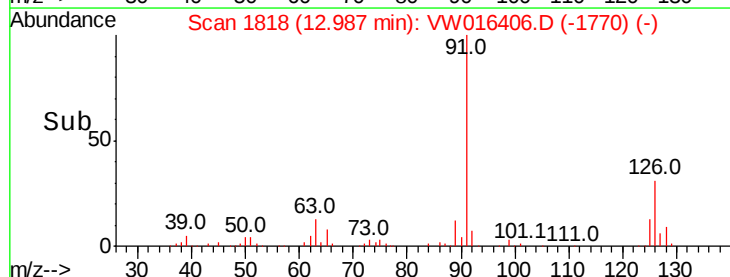
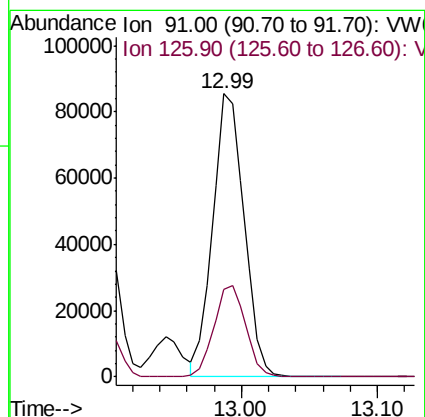
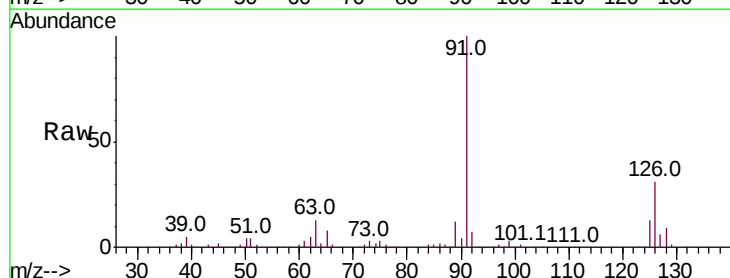
Acq: 31 Aug 2020 13:03

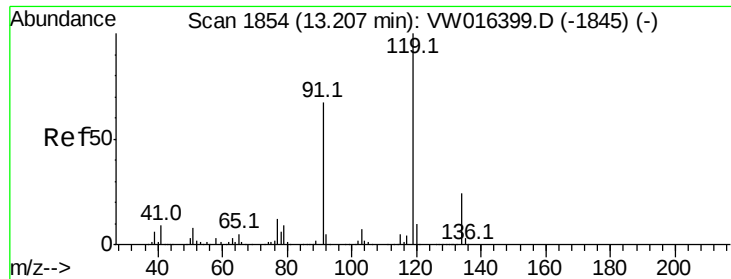
Tgt Ion: 91 Resp: 136388

Ion Ratio Lower Upper

91 100

126 32.6 17.0 50.9

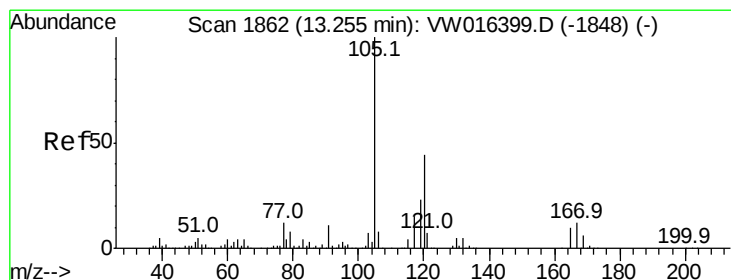
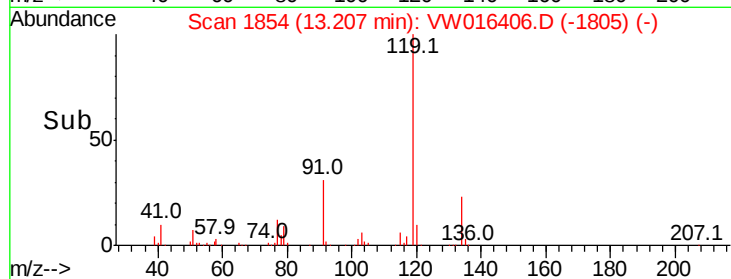
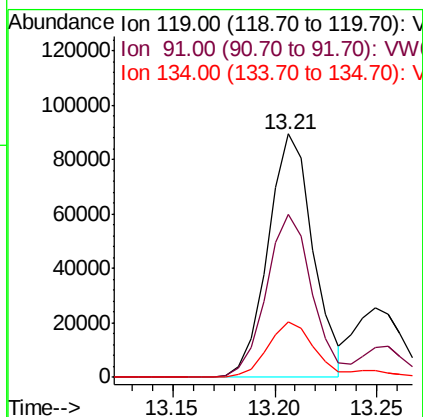
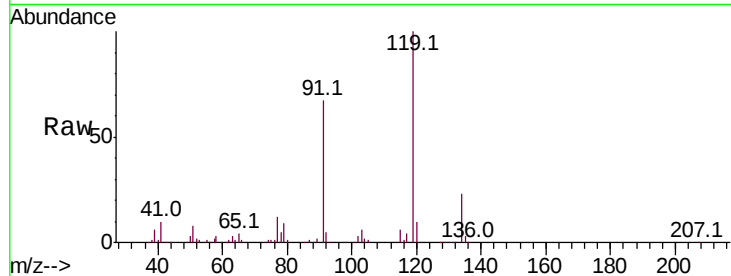




#83
tert-Butylbenzene
Concen: 21.002 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

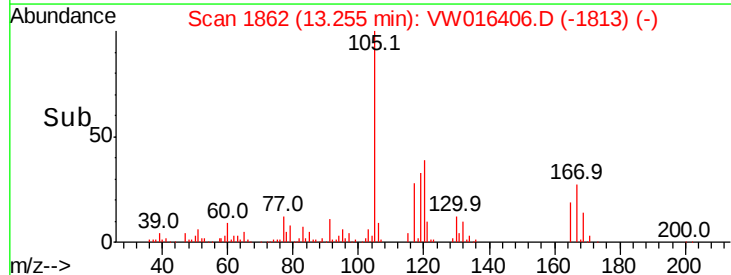
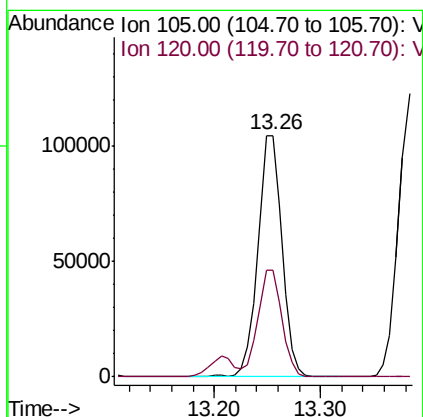
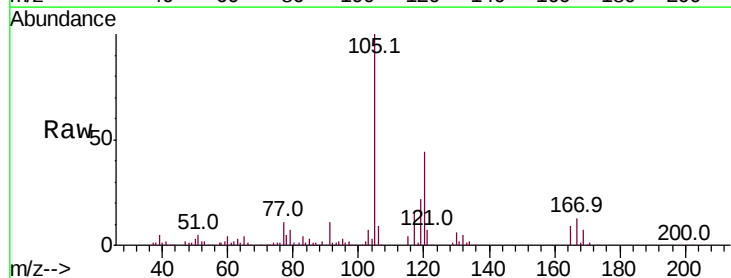
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

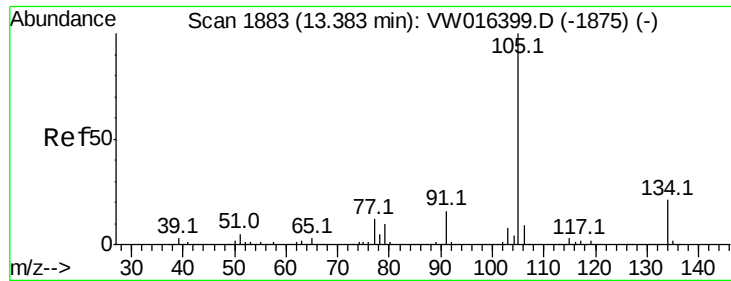
Tot Ion:119 Resp: 138368
Ion Ratio Lower Upper
119 100
91 68.5 34.1 102.3
134 23.5 12.3 36.8



#84
1,2,4-Trimethylbenzene
Concen: 21.307 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion:105 Resp: 166655
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.1

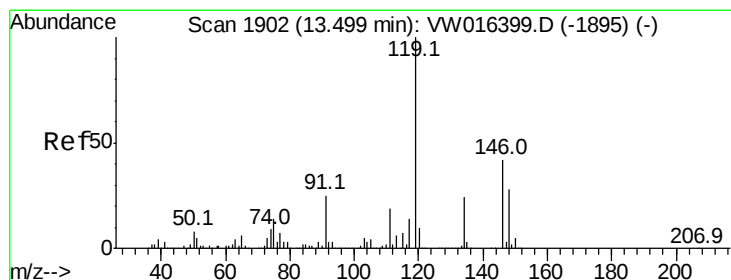
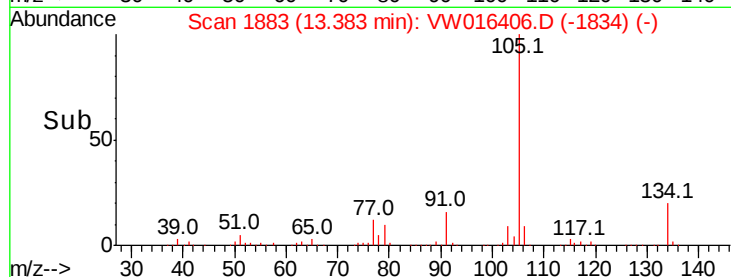
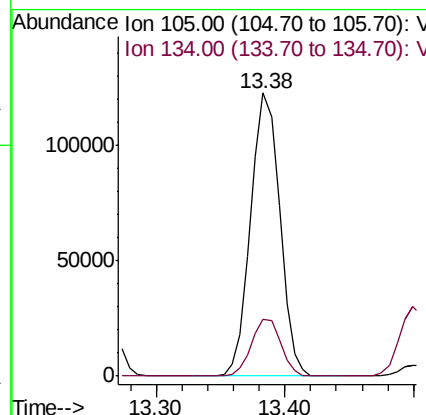
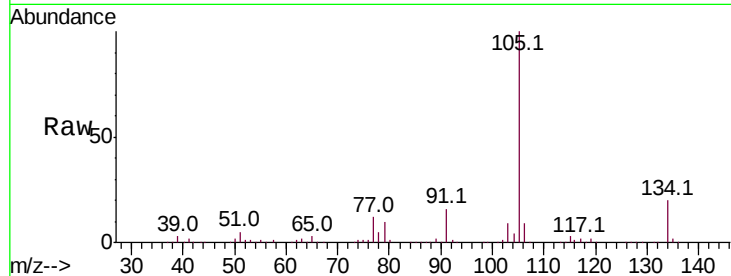




#85
 sec-Butylbenzene
 Concen: 21.036 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

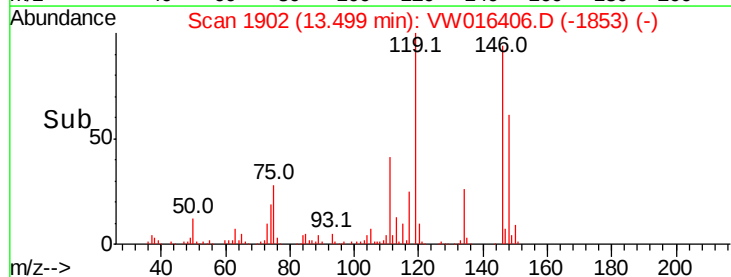
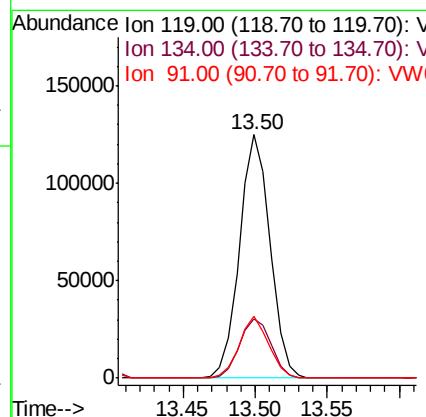
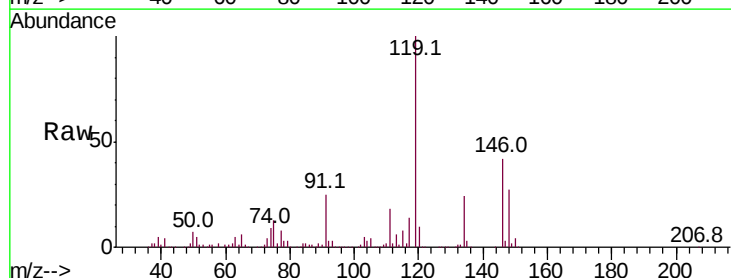
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

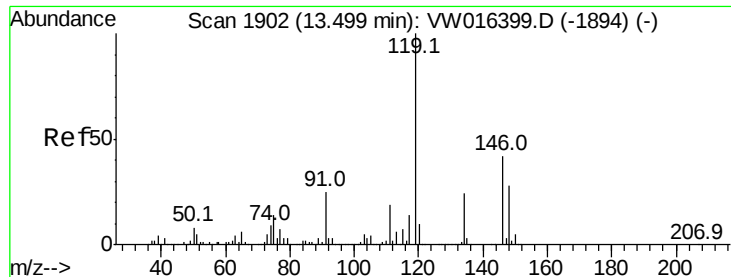
Tot Ion:105 Resp: 191902
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 21.628 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion:119 Resp: 184193
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.6 37.6
 91 24.7 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 20.835 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

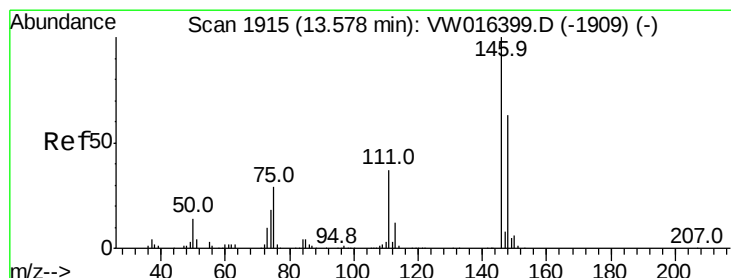
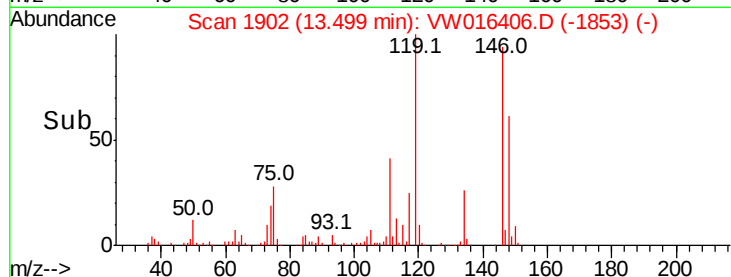
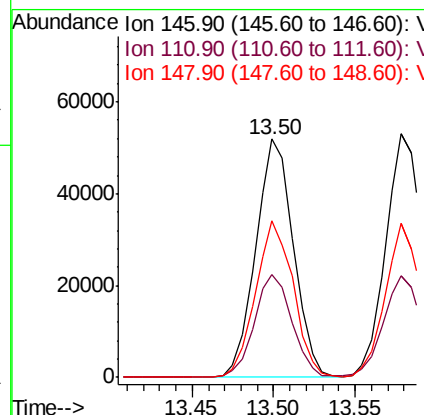
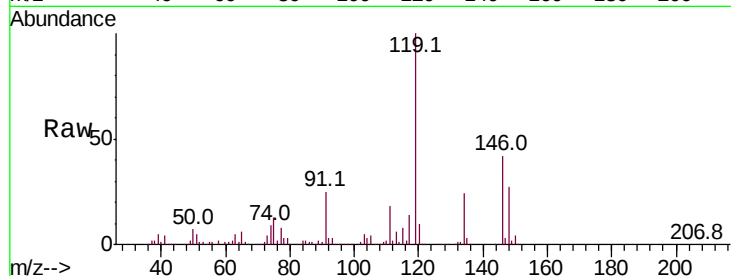
Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion:146 Resp: 83128

Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.6	67.8
148	65.4	33.6	100.8



#88

1,4-Dichlorobenzene

Concen: 21.022 ug/l

RT: 13.58 min Scan# 1915

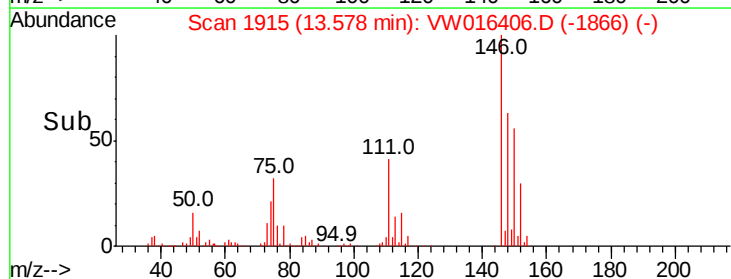
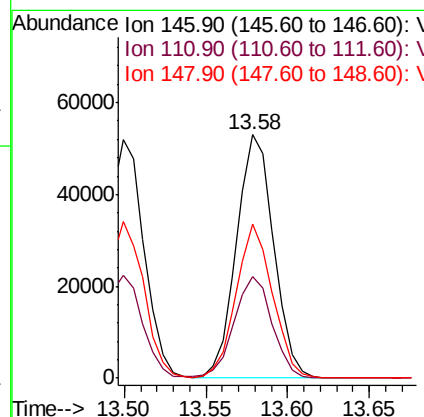
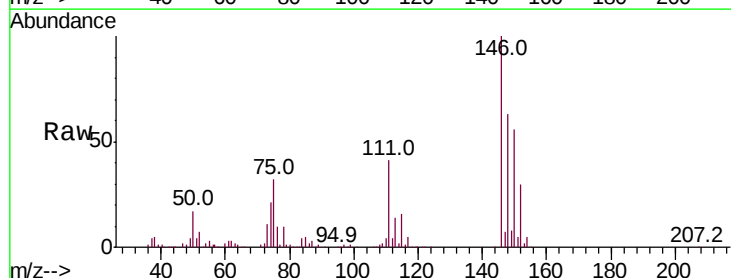
Delta R.T. -0.00 min

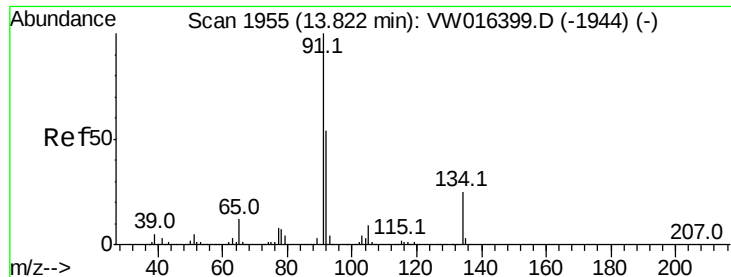
Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Tgt Ion:146 Resp: 84387

Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.4	61.3
148	62.0	32.0	96.2

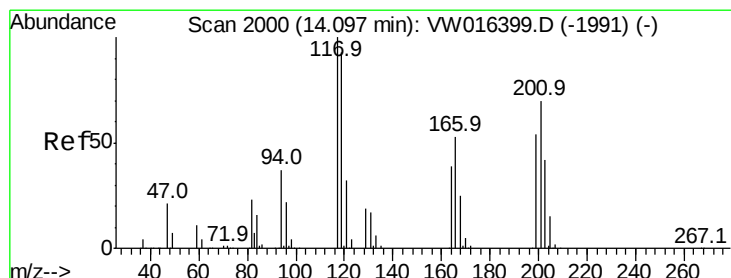
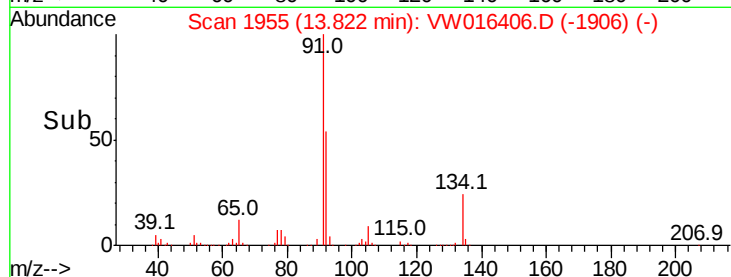
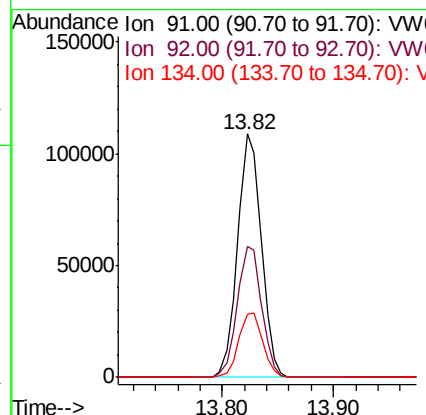
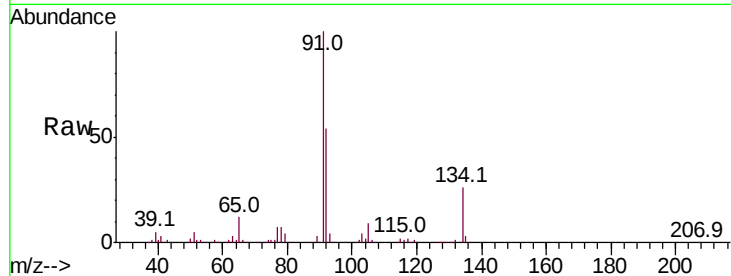




#89
n-Butylbenzene
Concen: 20.579 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

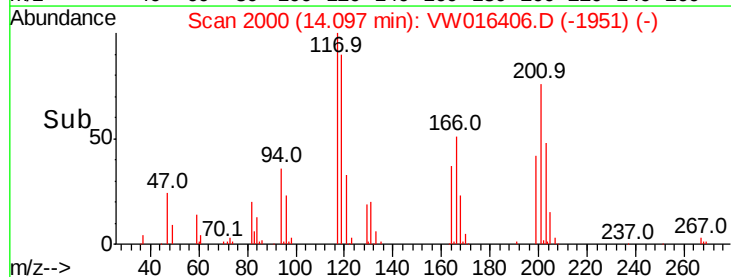
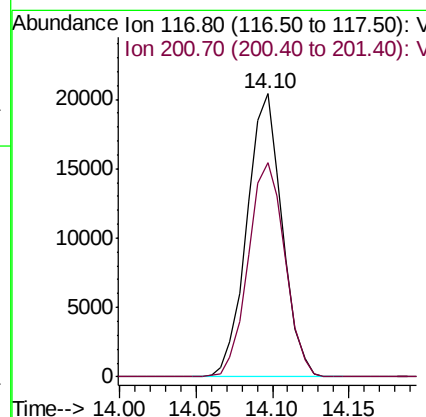
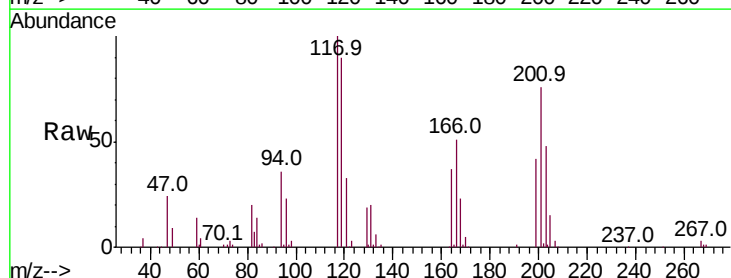
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

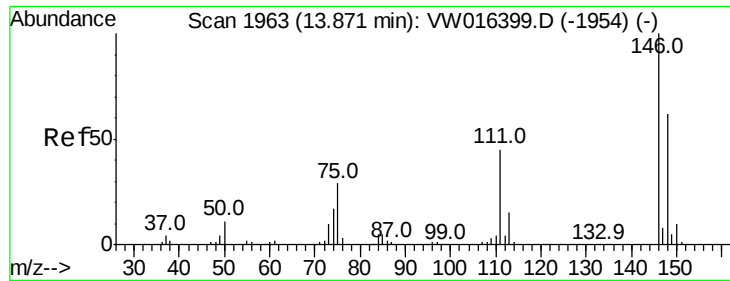
Tot Ion: 91 Resp: 160907
Ion Ratio Lower Upper
91 100
92 55.3 26.8 80.4
134 26.7 13.2 39.6



#90
Hexachloroethane
Concen: 20.363 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion: 117 Resp: 32560
Ion Ratio Lower Upper
117 100
201 79.0 35.9 107.7

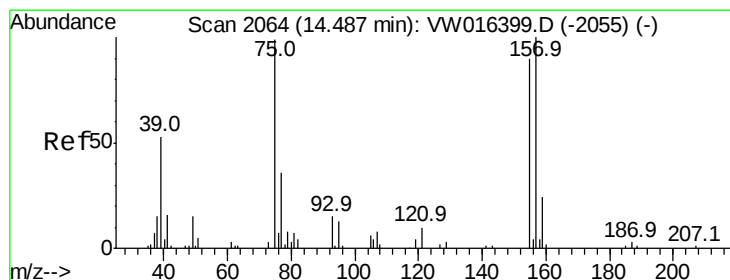
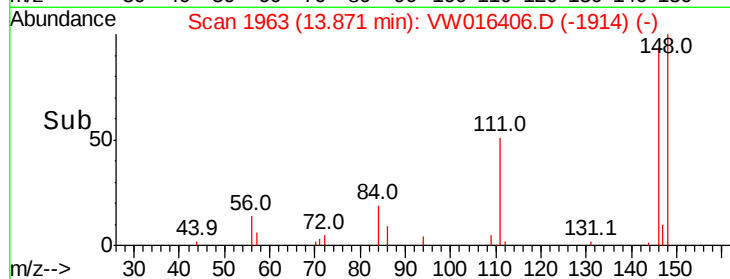
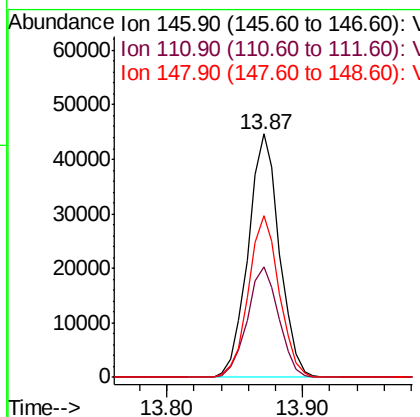
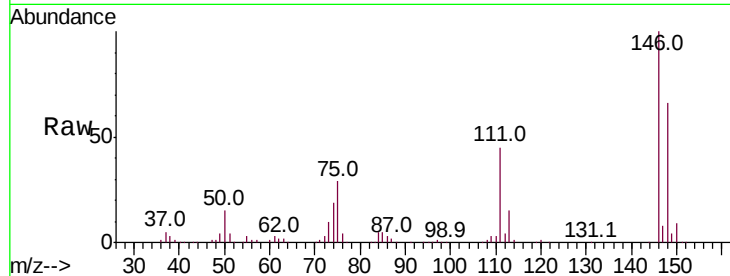




#91
 1,2-Dichlorobenzene
 Concen: 20.129 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

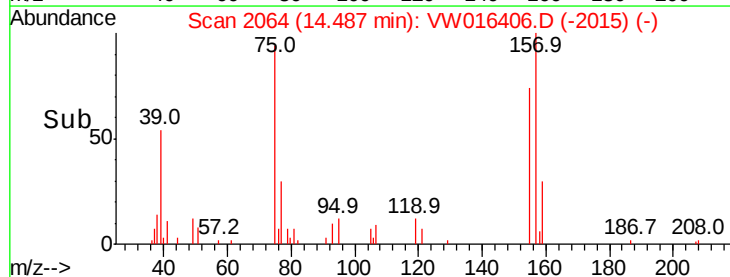
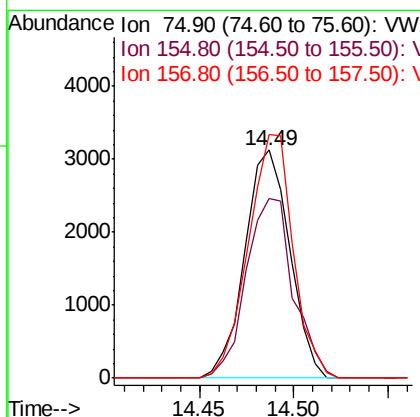
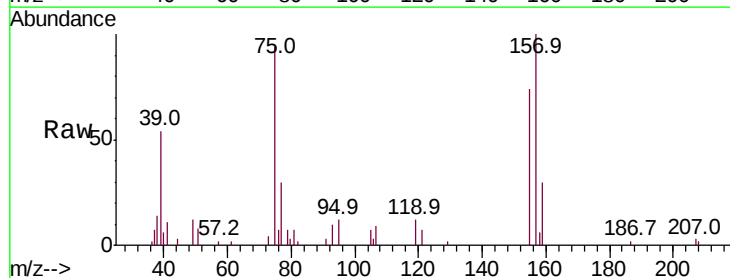
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

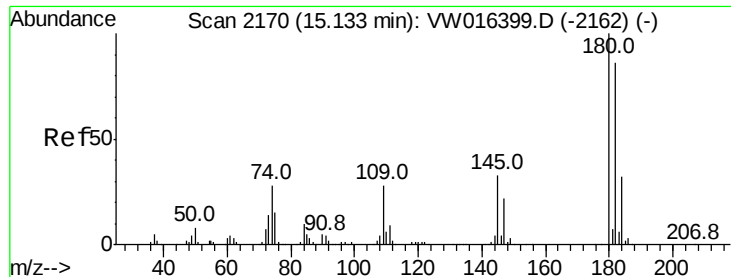
Tot Ion:146 Resp: 71941
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.3 66.8
 148 65.4 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.301 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion: 75 Resp: 5164
 Ion Ratio Lower Upper
 75 100
 155 82.9 41.4 124.4
 157 106.9 52.1 156.4

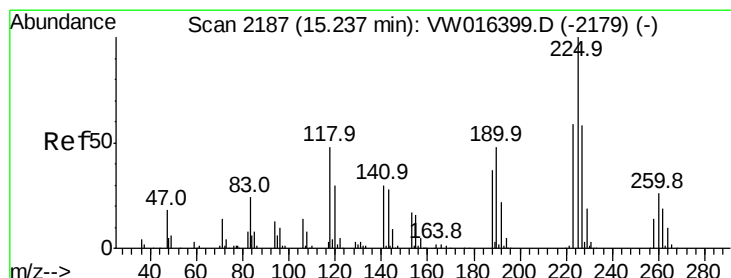
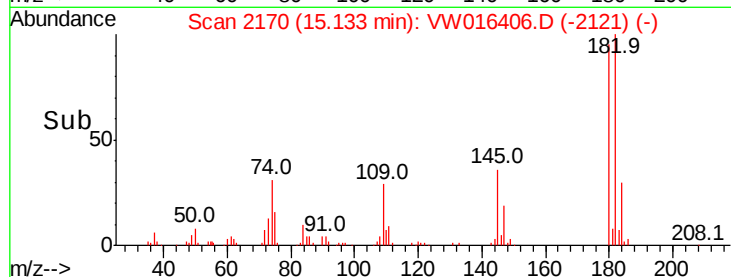
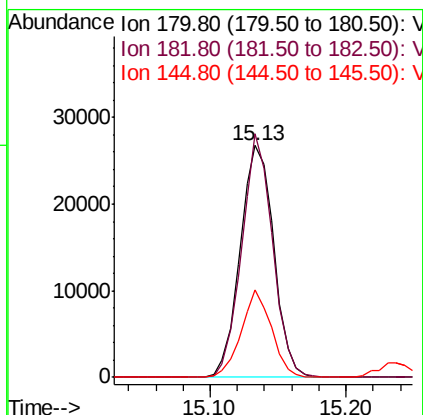
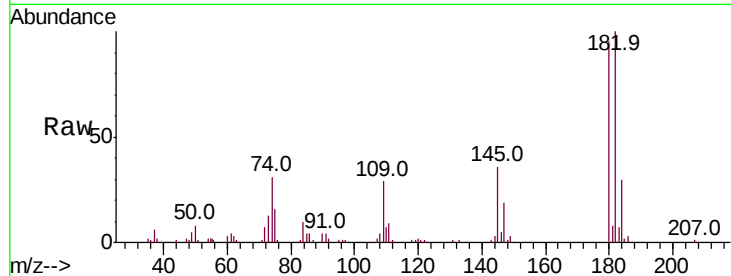




#93
 1,2,4-Trichlorobenzene
 Concen: 19.474 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

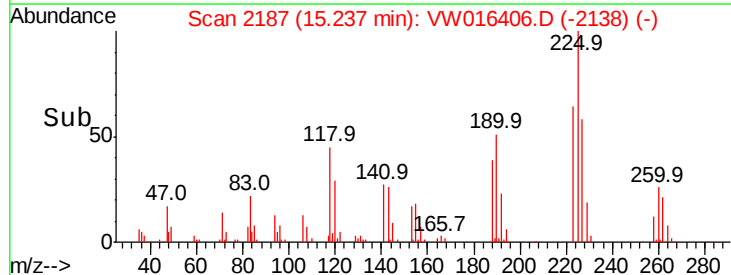
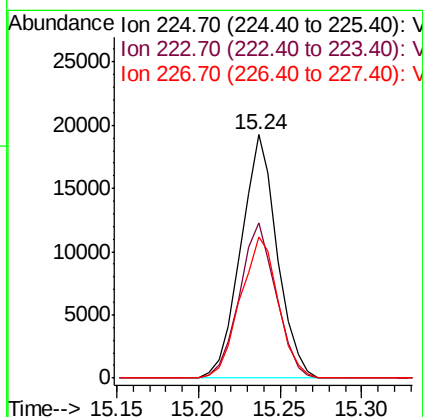
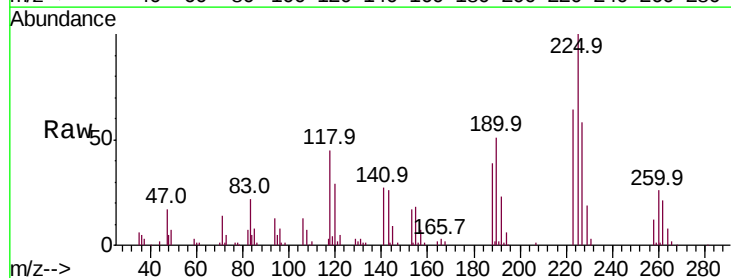
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

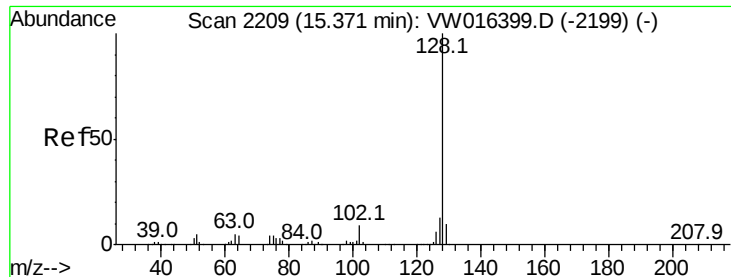
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	44.9	134.7
145	33.9	17.1	51.2



#94
 Hexachlorobutadiene
 Concen: 20.990 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.5	91.5
227	60.7	30.7	92.1





#95

Naphthalene

Concen: 18.170 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

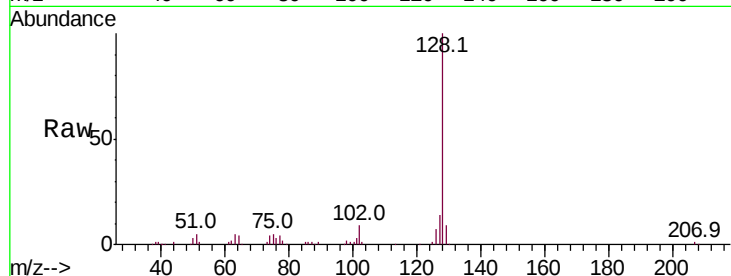
Tot Ion:128 Resp: 79774

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

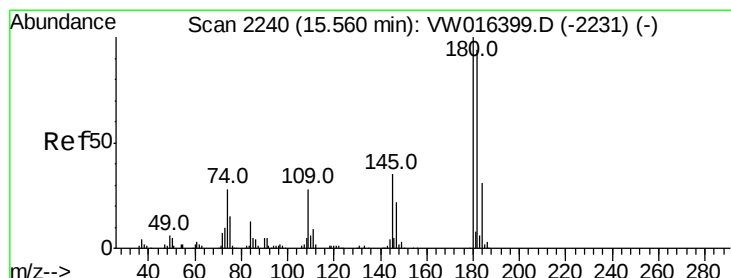
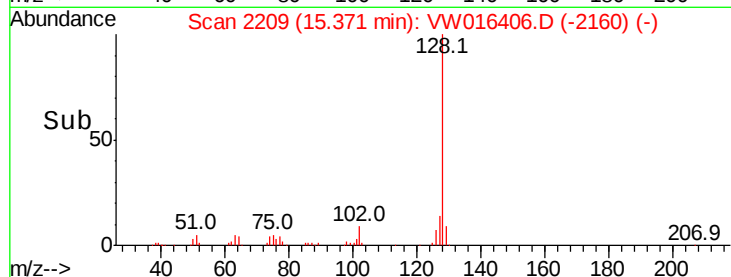
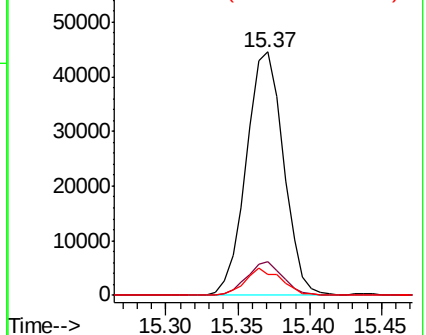
129 10.7 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.683 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

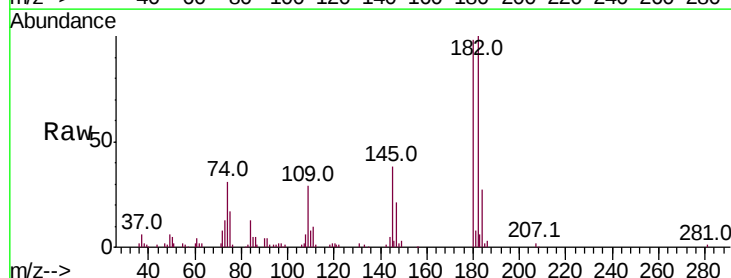
Tgt Ion:180 Resp: 38838

Ion Ratio Lower Upper

180 100

182 97.3 46.5 139.5

145 36.9 18.1 54.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

