

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082120\
 Data File : VW016278.D
 Acq On : 20 Aug 2020 23:05
 Operator : SY/VA
 Sample : VW0820SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

Quant Time: Aug 21 03:49:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158368	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	109092	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
35) Dibromofluoromethane	7.89	113	110637	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
50) Toluene-d8	10.32	98	430675	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.62	95	158466	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26872	18.826	ug/l	97
3) Chloromethane	2.21	50	28692	18.879	ug/l	99
4) Vinyl Chloride	2.37	62	38299	18.005	ug/l	99
5) Bromomethane	2.78	94	27780	21.004	ug/l	95
6) Chloroethane	2.92	64	23933	19.923	ug/l	92
7) Trichlorofluoromethane	3.26	101	36162	20.999	ug/l	94
8) Diethyl Ether	3.68	74	21970	20.330	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.07	101	44165	19.558	ug/l	99
10) Methyl Iodide	4.28	142	66501	20.381	ug/l	99
11) Tert butyl alcohol	5.16	59	17549	161.088	ug/l #	81
12) 1,1-Dichloroethene	4.04	96	43892	19.100	ug/l	97
13) Acrolein	3.89	56	14221	90.369	ug/l	93
14) Allyl chloride	4.67	41	58289	18.931	ug/l	99
15) Acrylonitrile	5.37	53	44437	109.129	ug/l	98
16) Acetone	4.12	43	36302	92.576	ug/l	100
17) Carbon Disulfide	4.38	76	126388	18.731	ug/l	99
18) Methyl Acetate	4.67	43	23042	25.234	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	63159	22.321	ug/l	98
20) Methylene Chloride	4.92	84	76971	29.581	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	49078	19.612	ug/l	97
22) Diisopropyl ether	6.31	45	118083	20.343	ug/l	98
23) Vinyl Acetate	6.26	43	327958	98.673	ug/l	100
24) 1,1-Dichloroethane	6.22	63	79064	19.516	ug/l	99
25) 2-Butanone	7.17	43	55710	106.008	ug/l	98
26) 2,2-Dichloropropane	7.16	77	53108	20.294	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	52844	20.458	ug/l	98
28) Bromochloromethane	7.51	49	29579	19.244	ug/l	94
29) Tetrahydrofuran	7.53	42	35008	111.441	ug/l	97
30) Chloroform	7.68	83	85949	20.419	ug/l	96
31) Cyclohexane	7.96	56	70223	18.798	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	73227	20.706	ug/l	100
36) 1,1-Dichloropropene	8.09	75	66688	19.359	ug/l	100
37) Ethyl Acetate	7.26	43	23947	20.275	ug/l	98
38) Carbon Tetrachloride	8.07	117	69409	20.190	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78561	18.933	ug/l	96
40) Benzene	8.32	78	189420	19.546	ug/l	100
41) Methacrylonitrile	7.49	41	14734	21.858	ug/l	97
42) 1,2-Dichloroethane	8.40	62	53570	20.930	ug/l	98
43) Isopropyl Acetate	8.42	43	45629	20.535	ug/l	99
44) Trichloroethene	9.09	130	53189	19.379	ug/l	98
45) 1,2-Dichloropropane	9.37	63	45162	19.769	ug/l	95
46) Dibromomethane	9.46	93	25143	20.964	ug/l	95
47) Bromodichloromethane	9.65	83	62814	20.271	ug/l	99
48) Methyl methacrylate	9.44	41	21402	20.719	ug/l	96
49) 1,4-Dioxane	9.45	88	7797	516.289	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	121281	107.917	ug/l	99
52) Toluene	10.39	92	123882	19.963	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	58024	20.224	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	72024	20.198	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	36973	21.485	ug/l	99
56) Ethyl methacrylate	10.65	69	42418	21.615	ug/l	99
57) 1,3-Dichloropropane	10.93	76	60729	20.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	91773	102.569	ug/l	98
59) 2-Hexanone	10.97	43	81482	105.982	ug/l	99
60) Dibromochloromethane	11.13	129	43387	21.194	ug/l	100
61) 1,2-Dibromoethane	11.24	107	35968	21.712	ug/l	99
64) Tetrachloroethene	10.87	164	43347	20.232	ug/l	92
65) Chlorobenzene	11.66	112	132481	19.795	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47643	20.366	ug/l	99
67) Ethyl Benzene	11.73	91	234797	19.521	ug/l	99
68) m/p-Xylenes	11.84	106	184969	40.008	ug/l	98
69) o-Xylene	12.17	106	83005	20.152	ug/l	98
70) Styrene	12.18	104	144509	20.275	ug/l	99
71) Bromoform	12.35	173	23243	22.200	ug/l #	97
73) Isopropylbenzene	12.47	105	226045	18.731	ug/l	99
74) N-amyl acetate	12.27	43	41275	19.098	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41347	20.475	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	49933	34.284	ug/l #	1
77) Bromobenzene	12.75	156	52573	19.696	ug/l	95
78) n-propylbenzene	12.80	91	272607	18.925	ug/l	100
79) 2-Chlorotoluene	12.90	91	161963	19.464	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	204156	19.707	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	11161	18.381	ug/l	97
82) 4-Chlorotoluene	12.99	91	167835	19.374	ug/l	99
83) tert-Butylbenzene	13.21	119	165725	19.519	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	202714	19.774	ug/l	97
85) sec-Butylbenzene	13.38	105	237754	19.267	ug/l	99
86) p-Isopropyltoluene	13.50	119	217176	19.458	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	105280	19.694	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	104916	19.931	ug/l	98
89) n-Butylbenzene	13.82	91	193778	18.767	ug/l	99
90) Hexachloroethane	14.10	117	40988	19.678	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	95820	20.560	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6885	22.180	ug/l	97

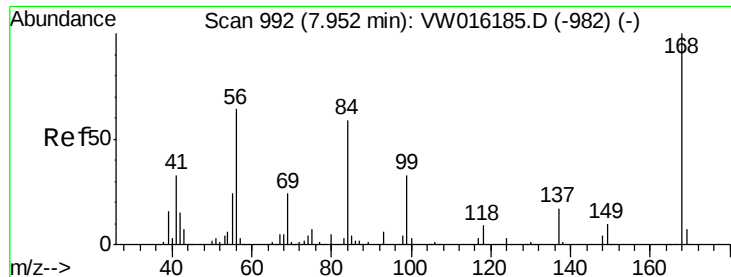
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	57697	20.760	ug/l	98
94) Hexachlorobutadiene	15.24	225	34984	21.172	ug/l	94
95) Naphthalene	15.36	128	102441	19.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	49954	20.930	ug/l	98

(#) = 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: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

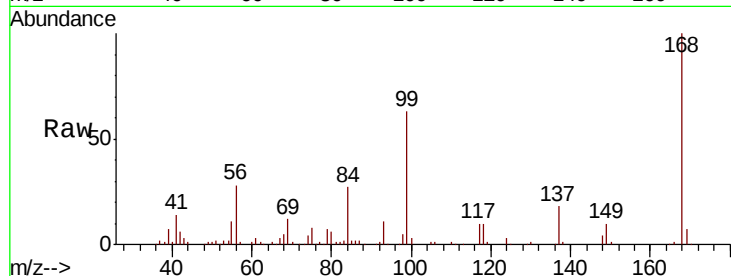
VW0821SBS01

Tot Ion:168 Resp: 209900

Ion Ratio Lower Upper

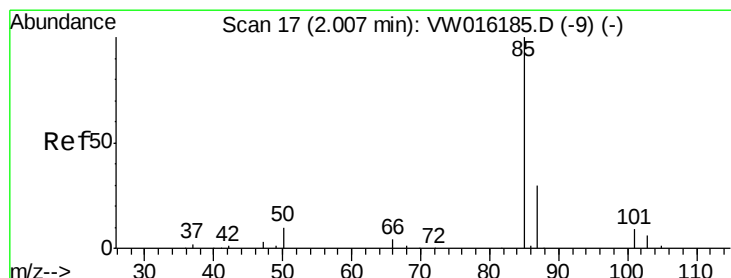
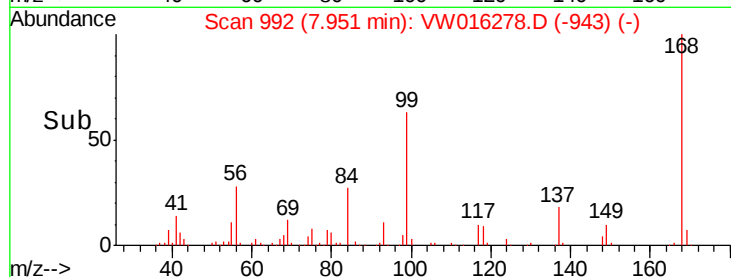
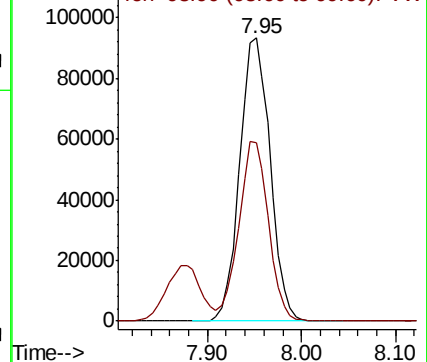
168 100

99 62.8 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.826 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016278.D

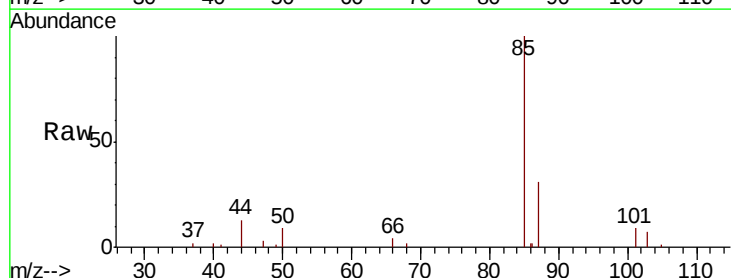
Acq: 20 Aug 2020 23:05

Tgt Ion: 85 Resp: 26872

Ion Ratio Lower Upper

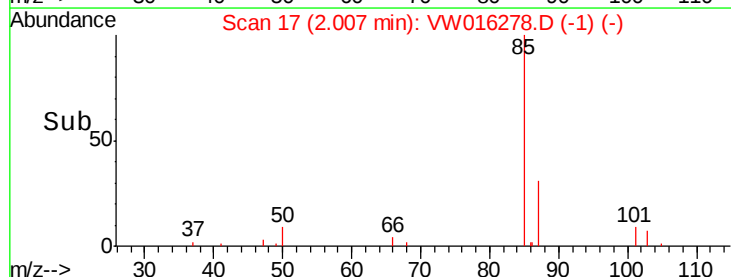
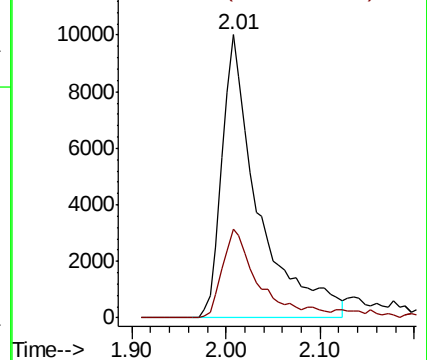
85 100

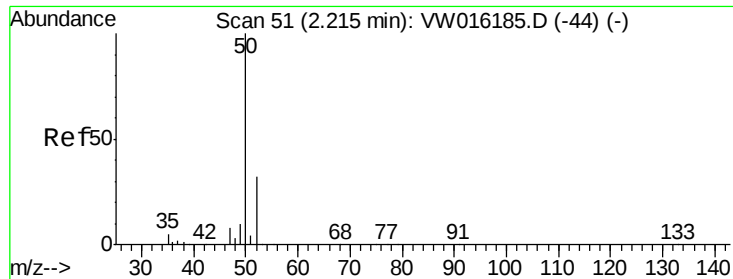
87 31.3 14.9 44.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.879 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

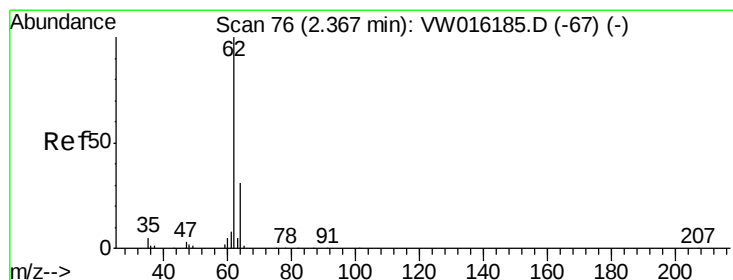
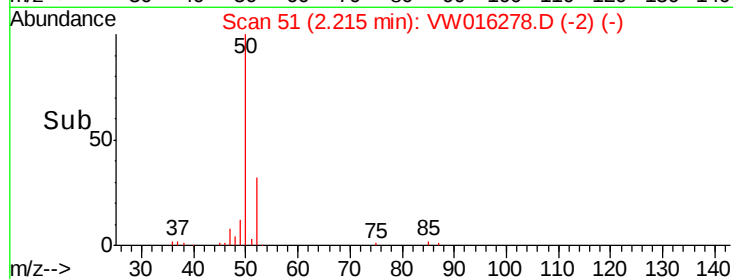
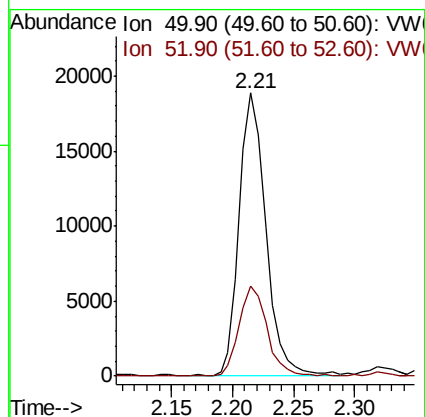
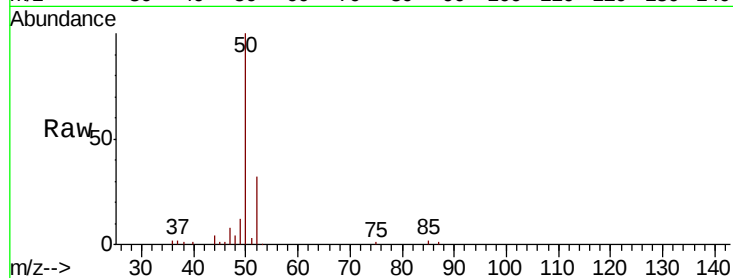
VW0821SBS01

Tot Ion: 50 Resp: 28692

Ion Ratio Lower Upper

50 100

52 32.0 25.3 37.9



#4

Vinyl Chloride

Concen: 18.005 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016278.D

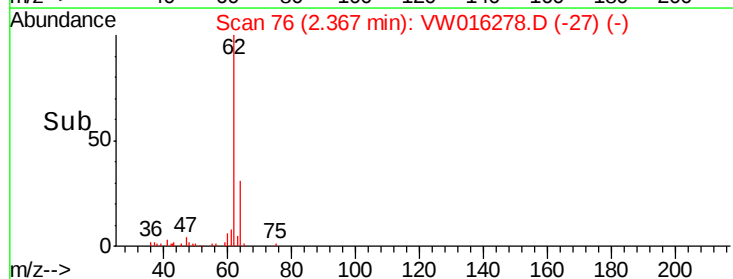
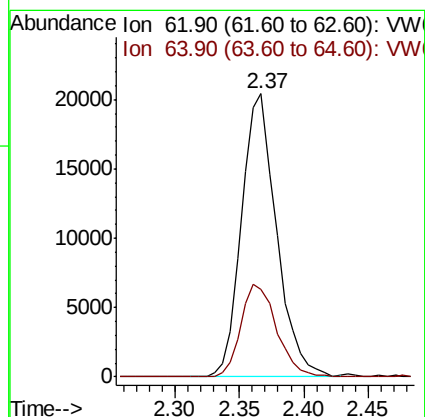
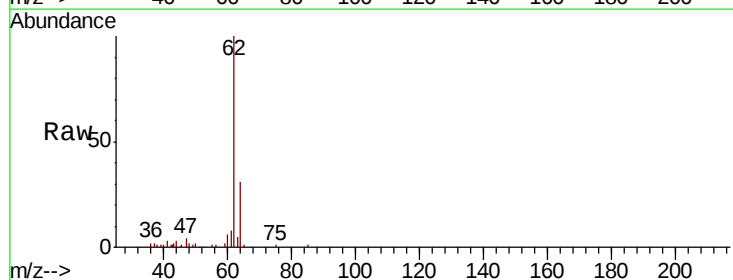
Acq: 20 Aug 2020 23:05

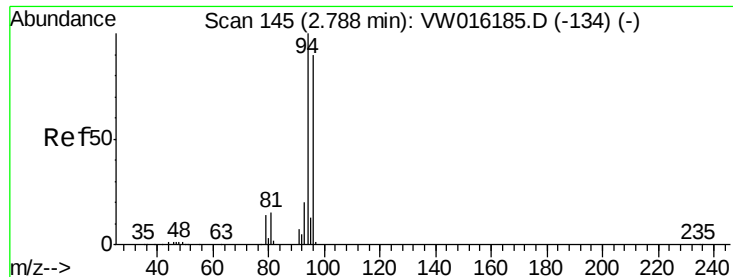
Tgt Ion: 62 Resp: 38299

Ion Ratio Lower Upper

62 100

64 31.0 24.5 36.7





#5

Bromomethane

Concen: 21.004 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

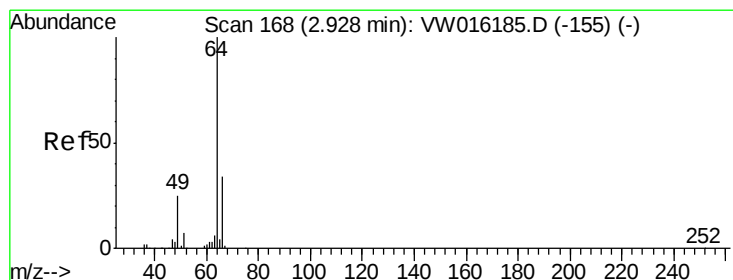
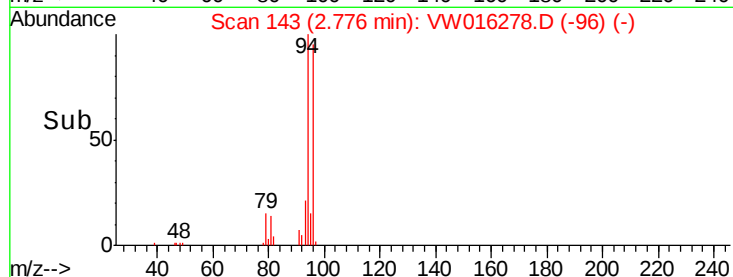
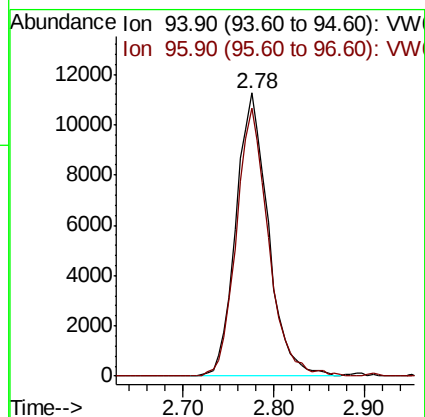
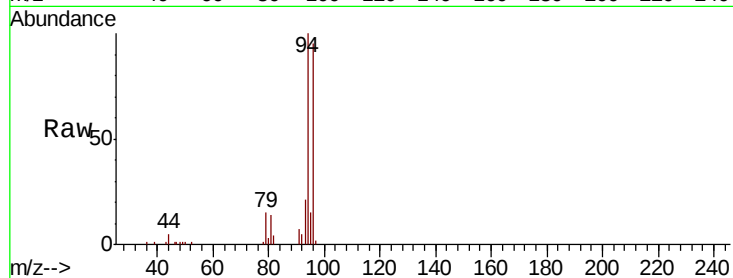
VW0821SBS01

Tot Ion: 94 Resp: 27780

Ion Ratio Lower Upper

94 100

96 94.7 71.8 107.6



#6

Chloroethane

Concen: 19.923 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016278.D

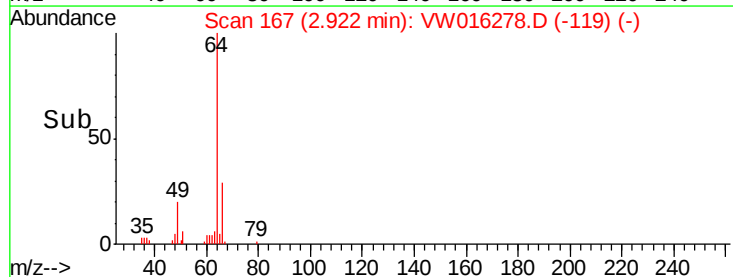
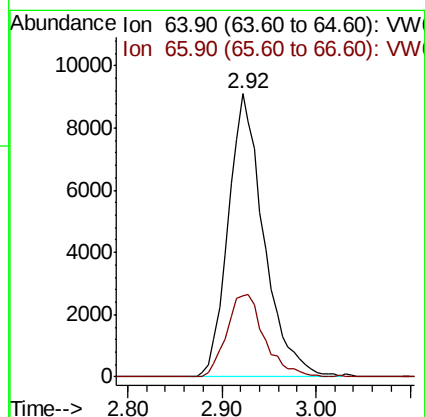
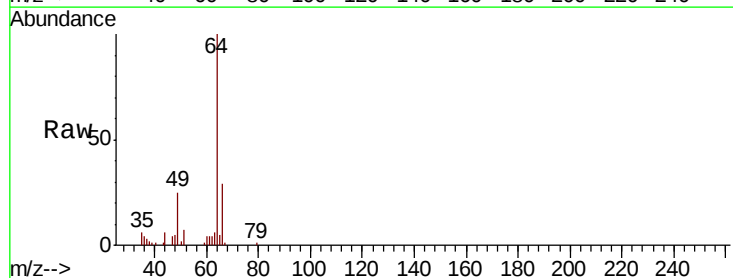
Acq: 20 Aug 2020 23:05

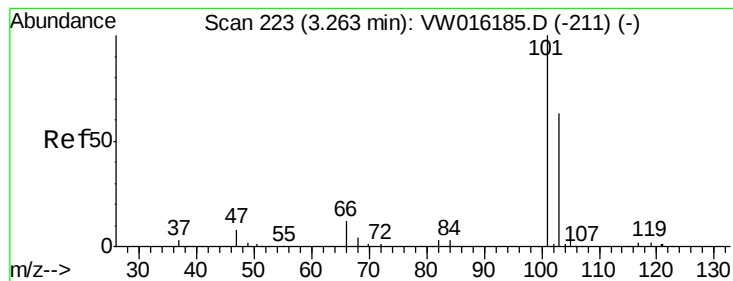
Tgt Ion: 64 Resp: 23933

Ion Ratio Lower Upper

64 100

66 28.8 26.9 40.3



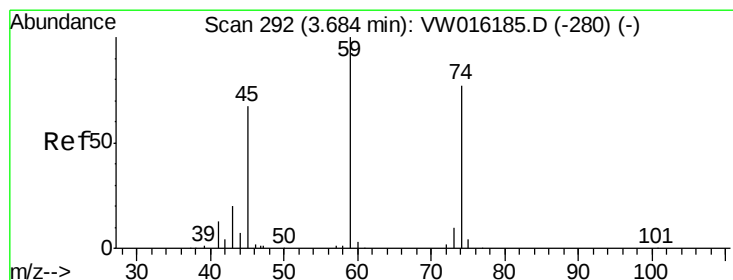
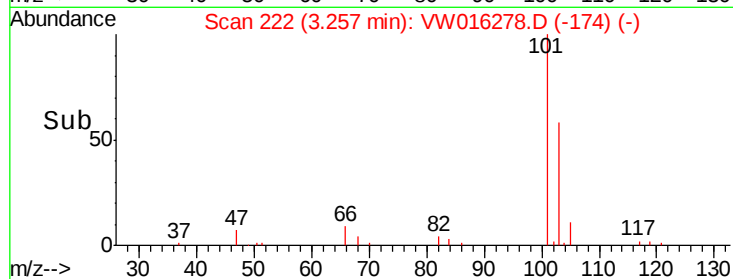
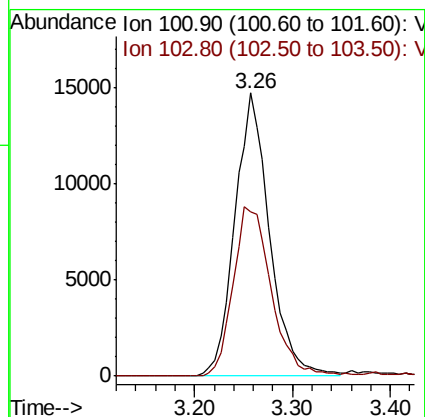
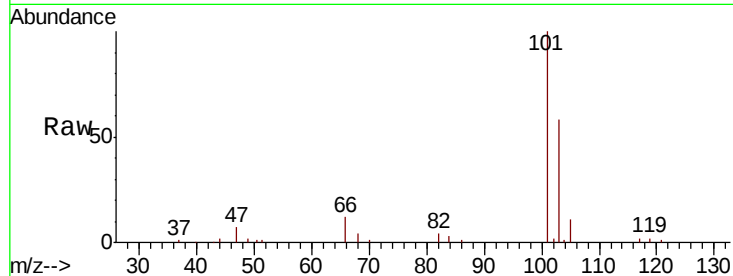


#7

Trichlorofluoromethane
 Concen: 20.999 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

Instrument :
 MSVOA_W
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 VW0821SBS01

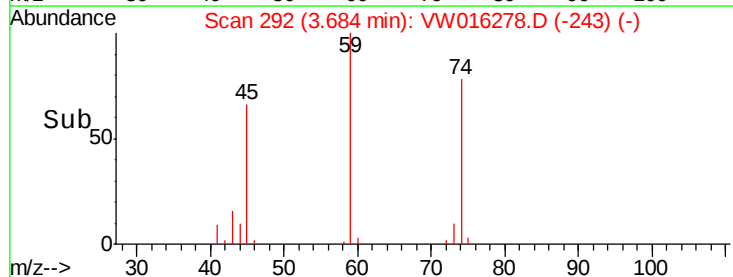
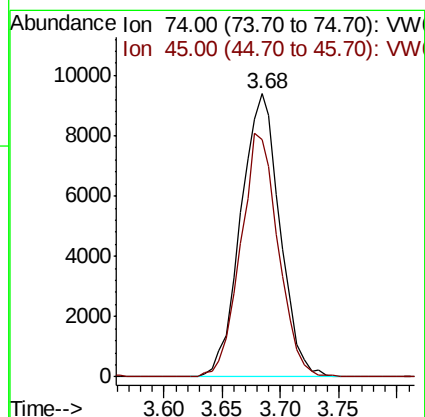
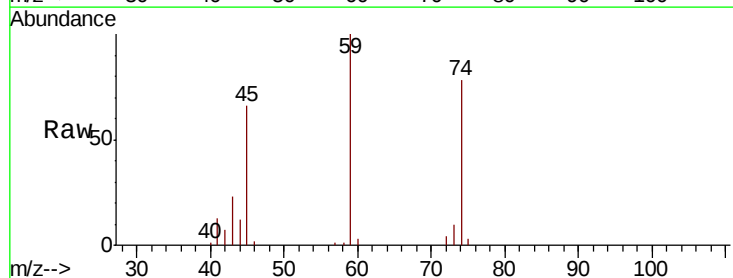
Tot Ion:101 Resp: 36162
 Ion Ratio Lower Upper
 101 100
 103 58.3 50.4 75.6

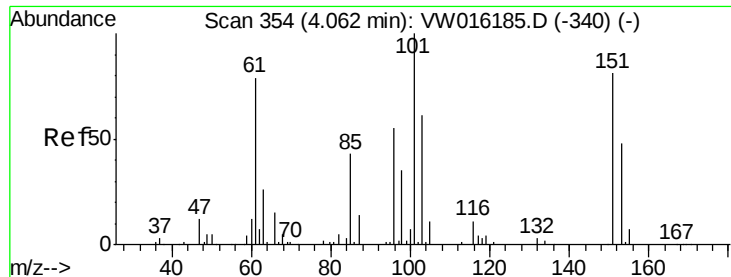


#8

Diethyl Ether
 Concen: 20.330 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

Tgt Ion: 74 Resp: 21970
 Ion Ratio Lower Upper
 74 100
 45 83.1 45.9 137.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.558 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

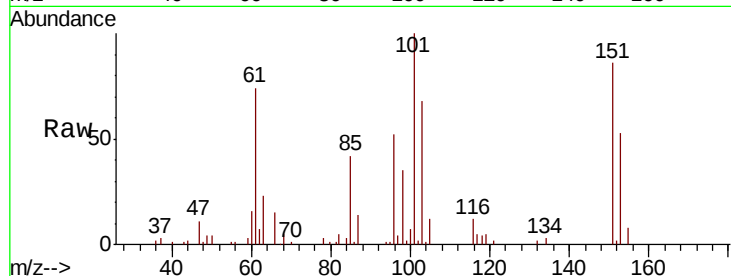
Tot Ion:101 Resp: 44165

Ion Ratio Lower Upper

101 100

85 41.3 33.3 49.9

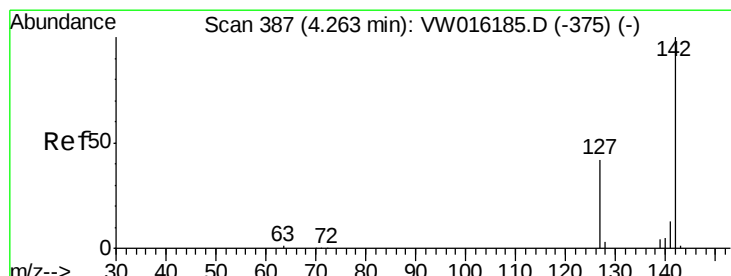
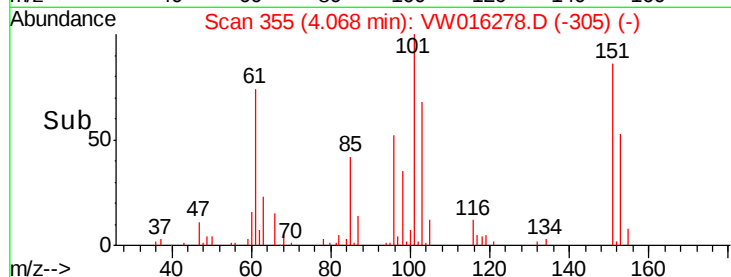
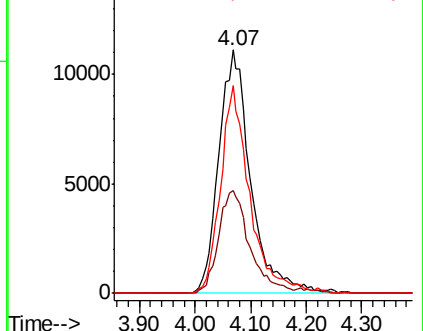
151 77.3 61.1 91.7



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: 20.381 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

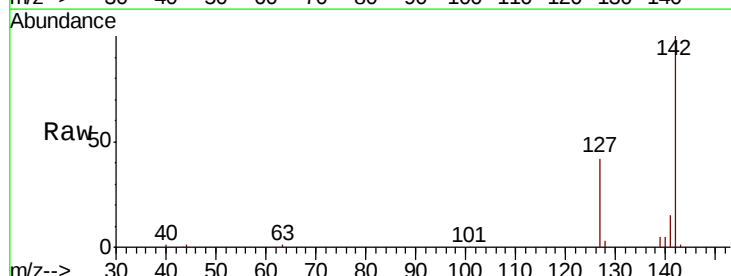
Tgt Ion:142 Resp: 66501

Ion Ratio Lower Upper

142 100

127 44.0 34.6 52.0

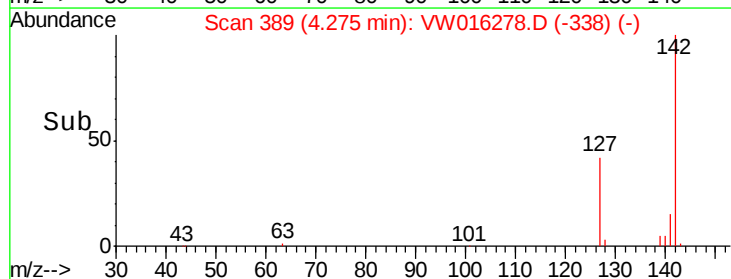
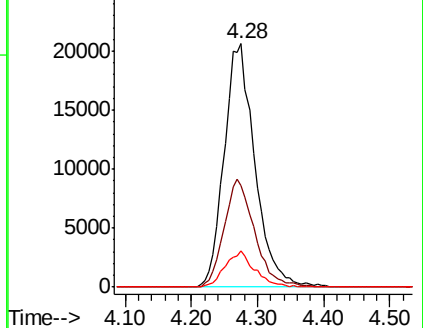
141 14.1 11.4 17.2

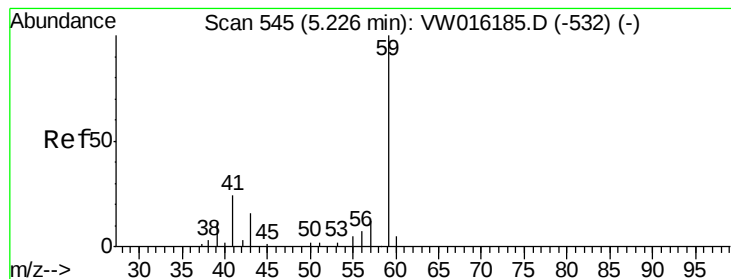


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



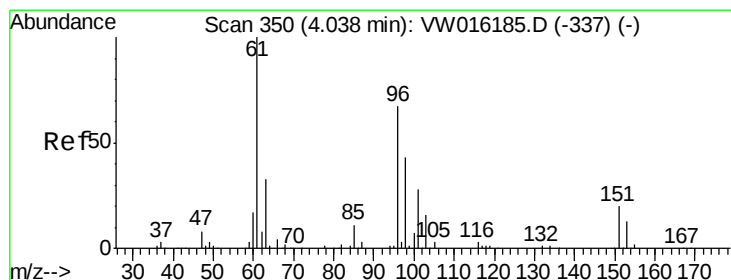
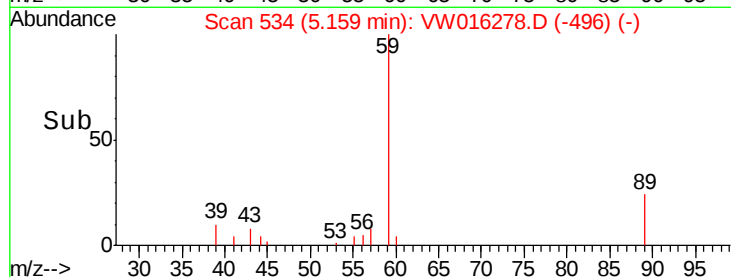
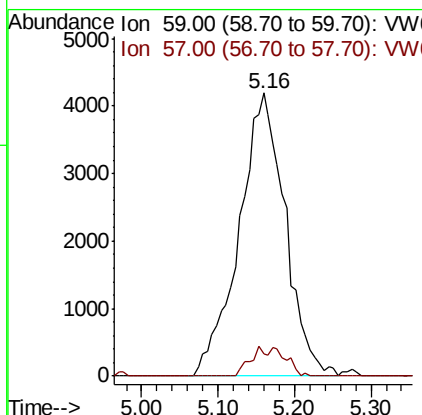
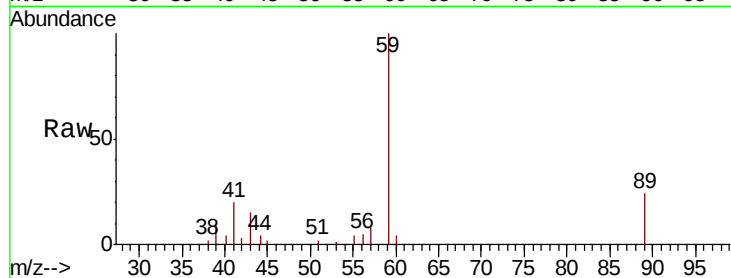


#11

Tert butyl alcohol
 Concen: 161.088 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.07 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

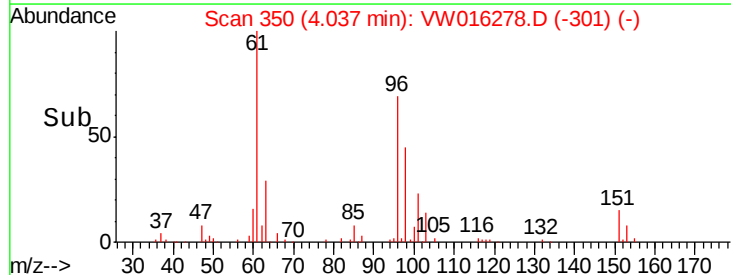
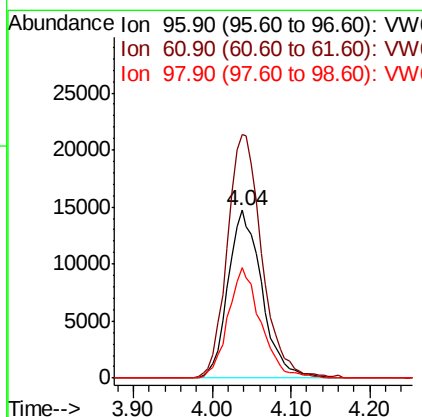
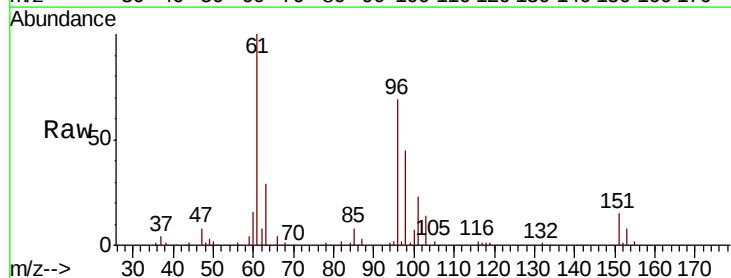
Tot Ion: 59 Resp: 17549
 Ion Ratio Lower Upper
 59 100
 57 3.9 9.0 13.6#

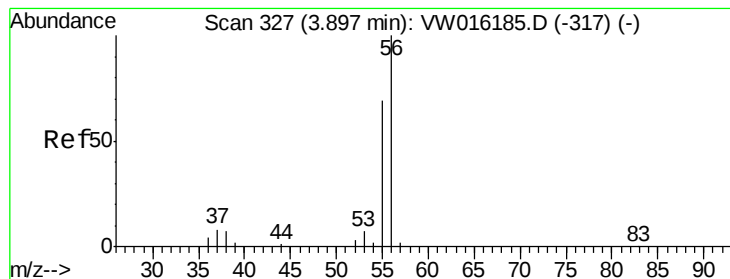


#12

1,1-Dichloroethene
 Concen: 19.100 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

Tgt Ion: 96 Resp: 43892
 Ion Ratio Lower Upper
 96 100
 61 145.0 119.5 179.3
 98 65.8 51.3 76.9





#13

Acrolein

Concen: 90.369 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

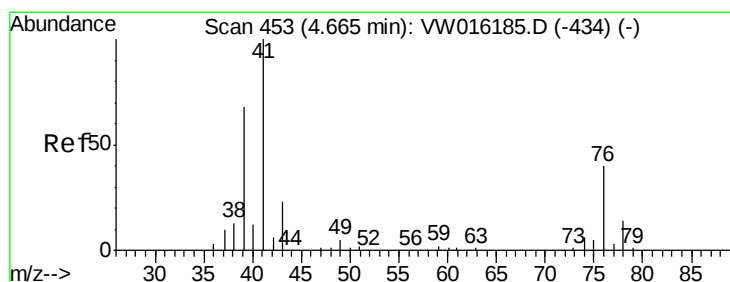
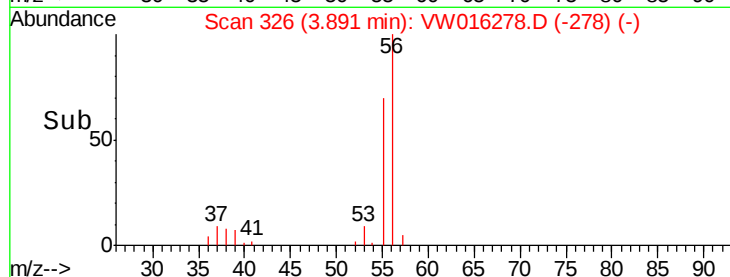
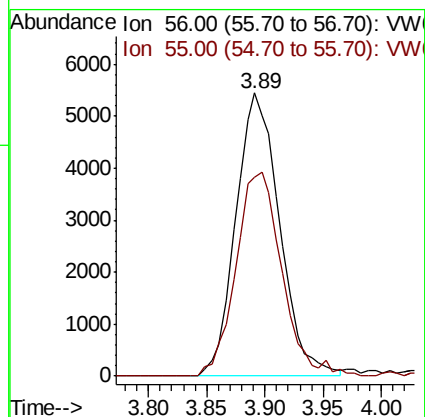
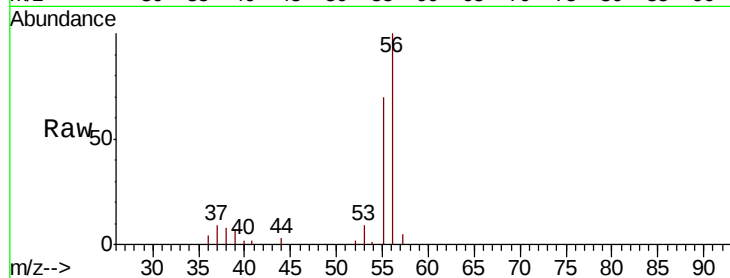
VW0821SBS01

Tot Ion: 56 Resp: 14221

Ion Ratio Lower Upper

56 100

55 74.1 55.0 82.6



#14

Allyl chloride

Concen: 18.931 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

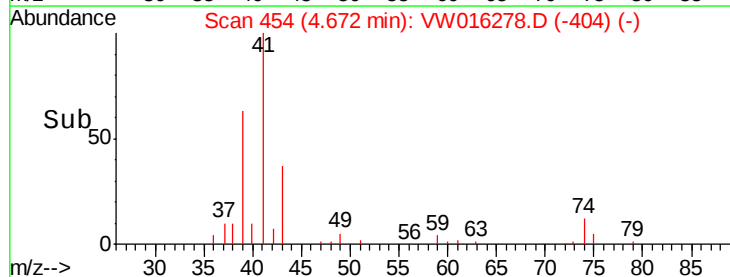
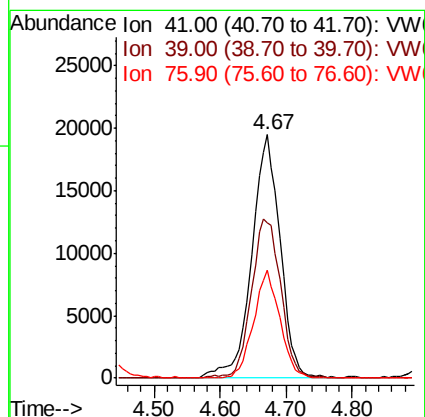
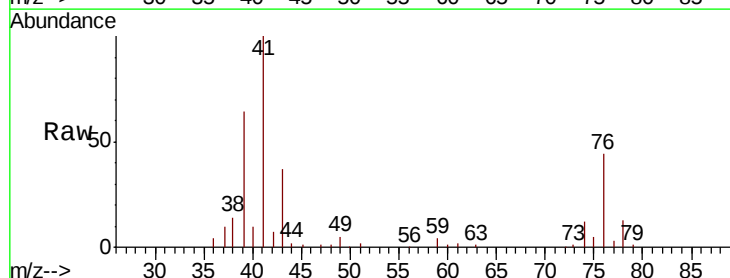
Tgt Ion: 41 Resp: 58289

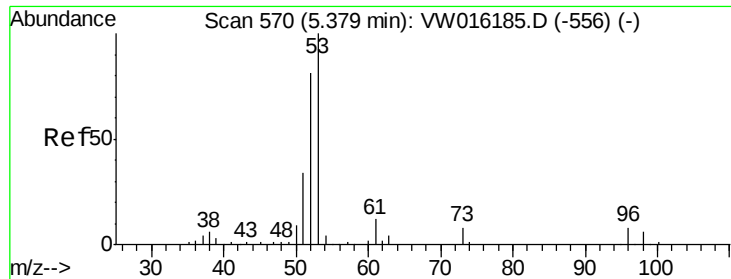
Ion Ratio Lower Upper

41 100

39 67.7 53.4 80.0

76 40.8 32.0 48.0





#15

Acrylonitrile

Concen: 109.129 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

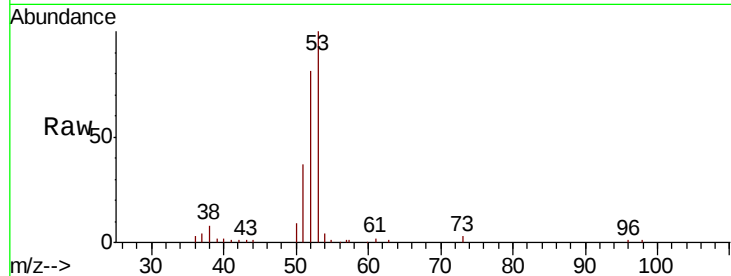
Tot Ion: 53 Resp: 44437

Ion Ratio Lower Upper

53 100

52 83.4 65.3 97.9

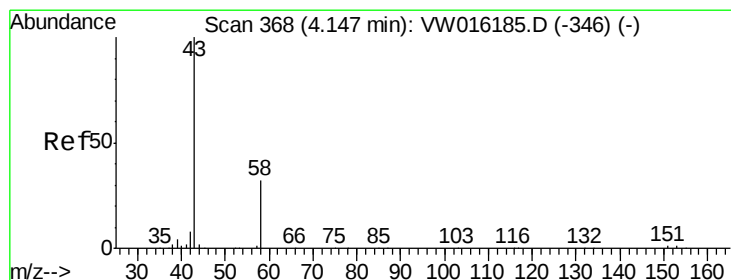
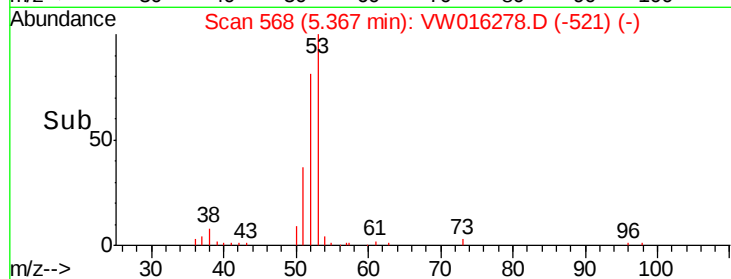
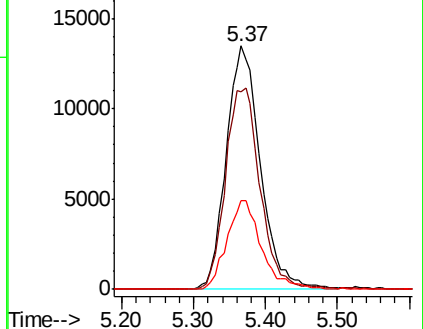
51 36.8 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 92.576 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW016278.D

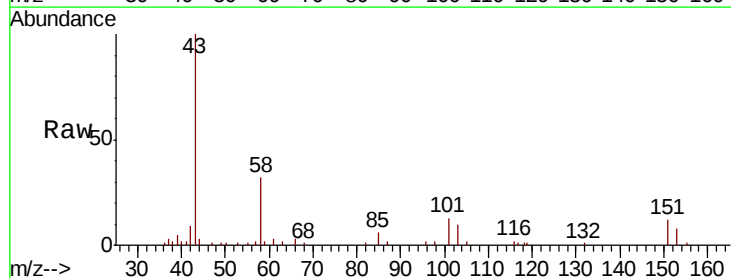
Acq: 20 Aug 2020 23:05

Tgt Ion: 43 Resp: 36302

Ion Ratio Lower Upper

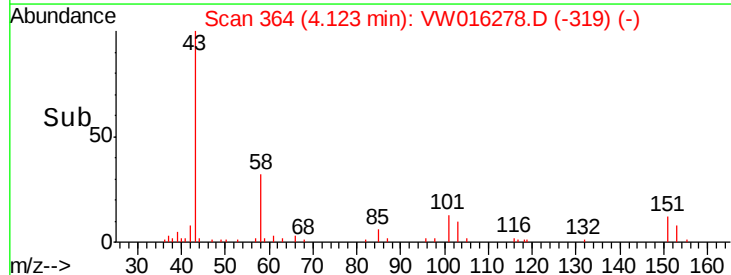
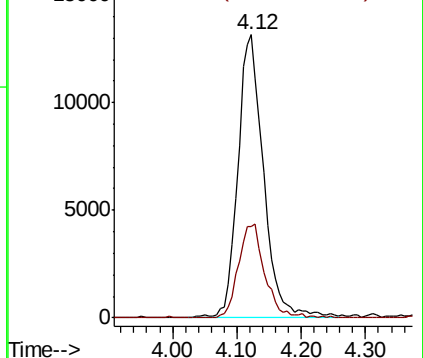
43 100

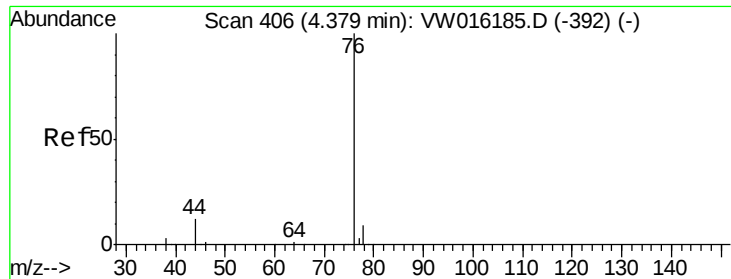
58 32.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

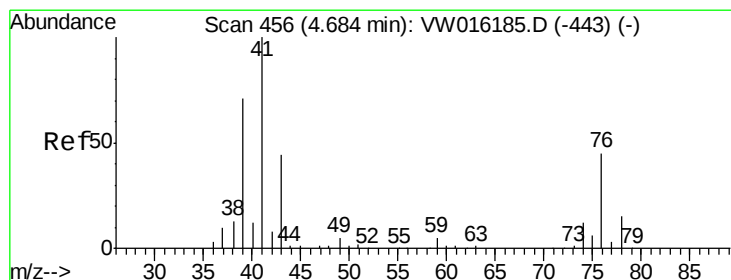
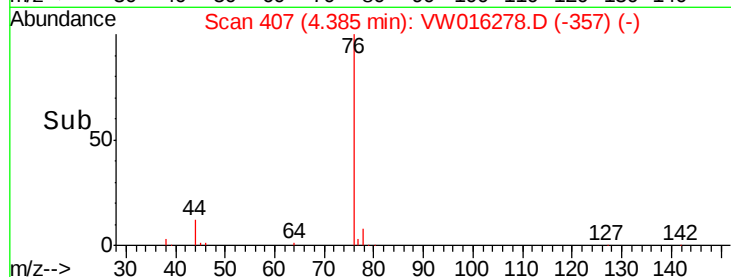
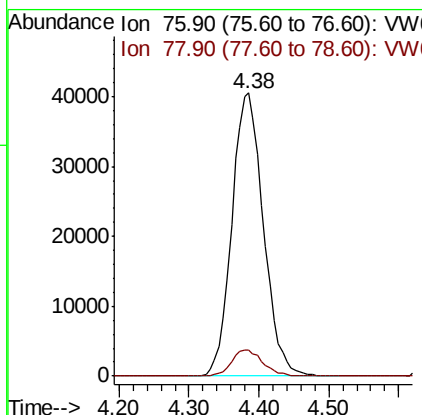
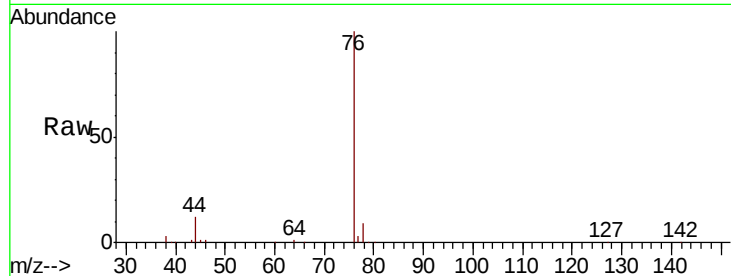




#17
Carbon Disulfide
Concen: 18.731 ug/l
RT: 4.38 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

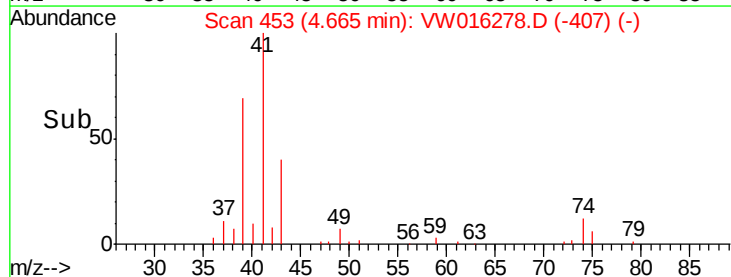
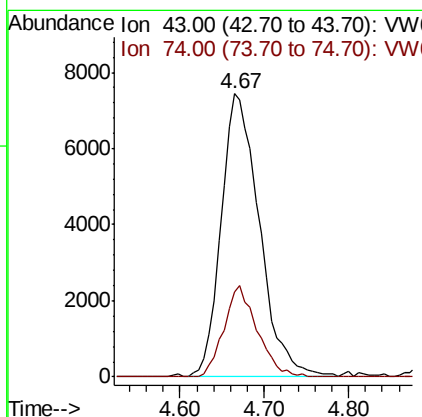
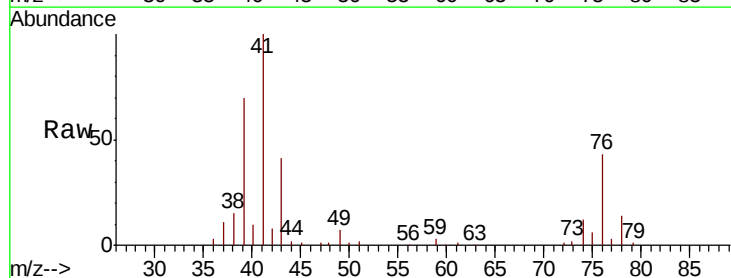
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

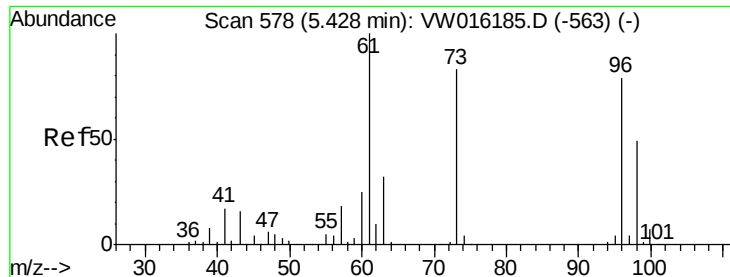
Tot Ion: 76 Resp: 126388
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 25.234 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.02 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion: 43 Resp: 23042
Ion Ratio Lower Upper
43 100
74 28.1 20.6 31.0

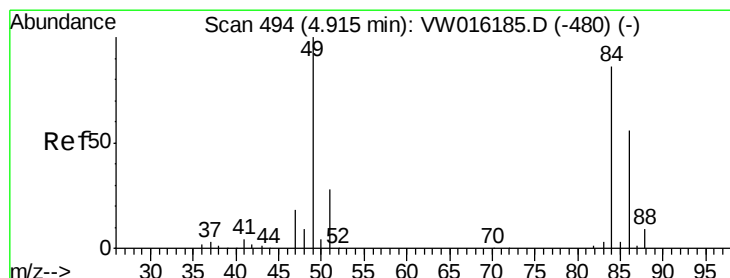
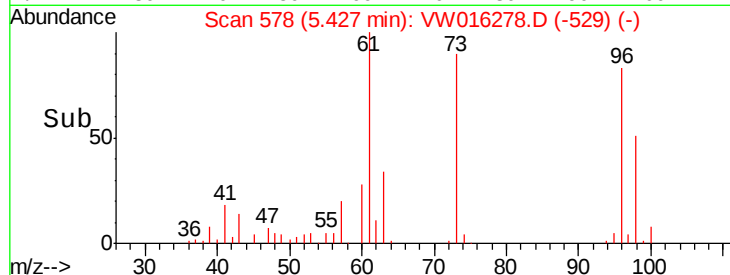
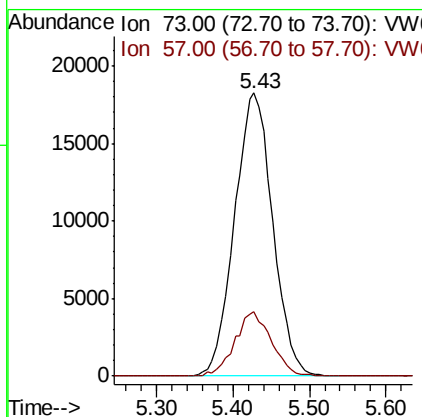
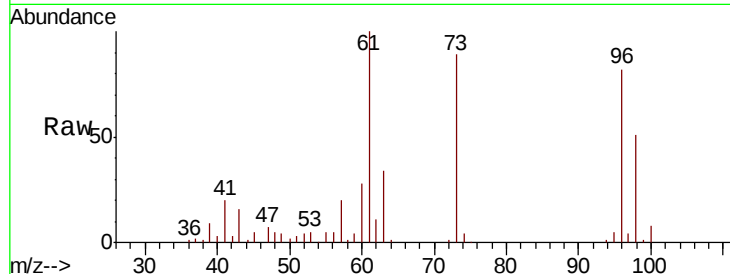




#19
Methyl tert-butyl Ether
Concen: 22.321 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

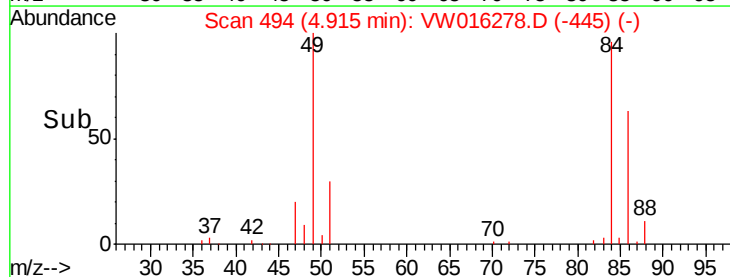
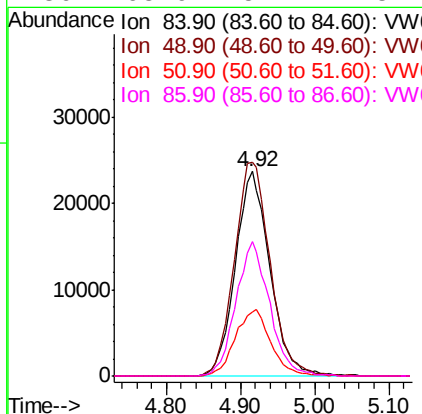
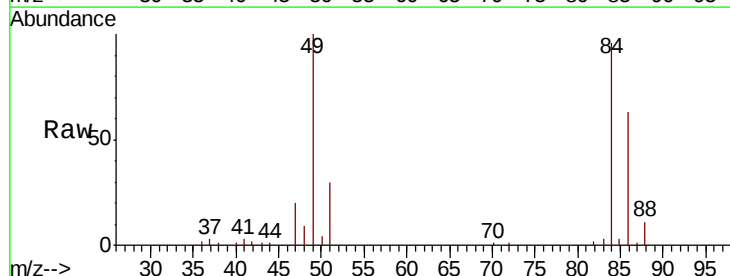
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

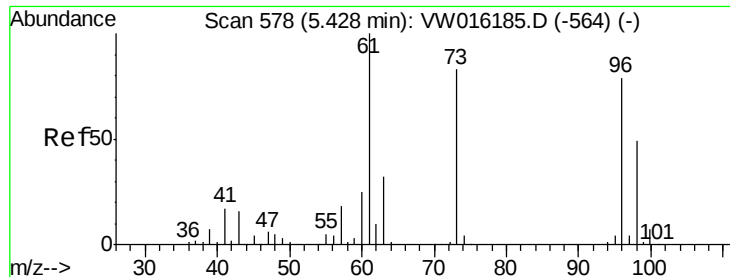
Tot Ion: 73 Resp: 63159
Ion Ratio Lower Upper
73 100
57 22.6 17.2 25.8



#20
Methylene Chloride
Concen: 29.581 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion: 84 Resp: 76971
Ion Ratio Lower Upper
84 100
49 104.5 93.4 140.2
51 31.3 26.6 40.0
86 65.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 19.612 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampled :

VW0821SBS01

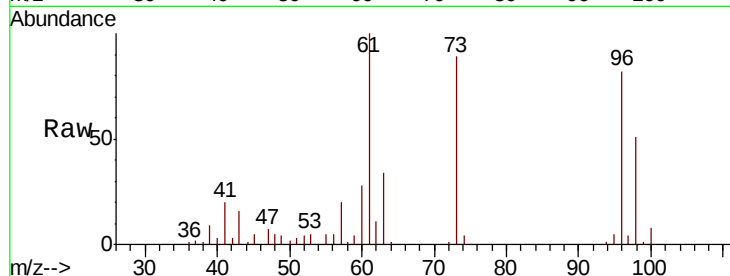
Tot Ion: 96 Resp: 49078

Ion Ratio Lower Upper

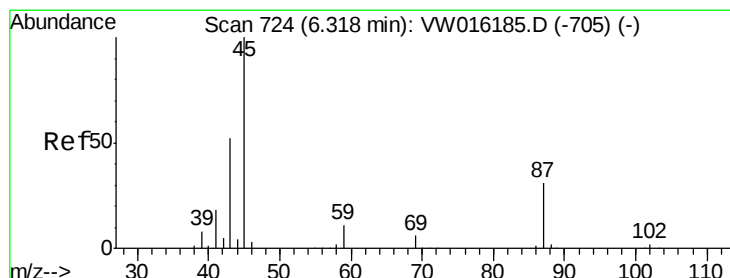
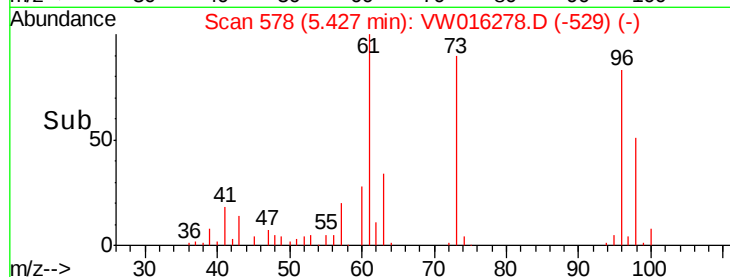
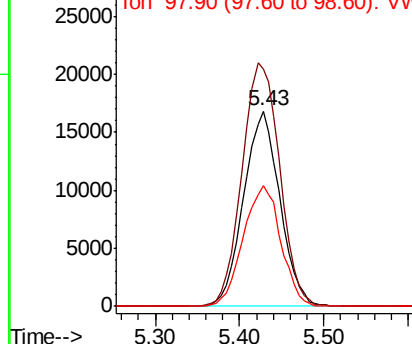
96 100

61 121.4 101.4 152.0

98 62.1 49.4 74.0



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



#22

Diisopropyl ether

Concen: 20.343 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Tgt Ion: 45 Resp: 118083

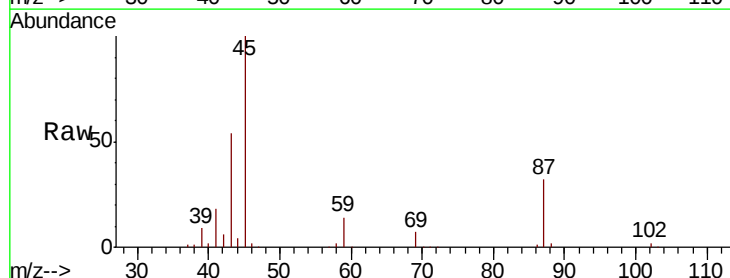
Ion Ratio Lower Upper

45 100

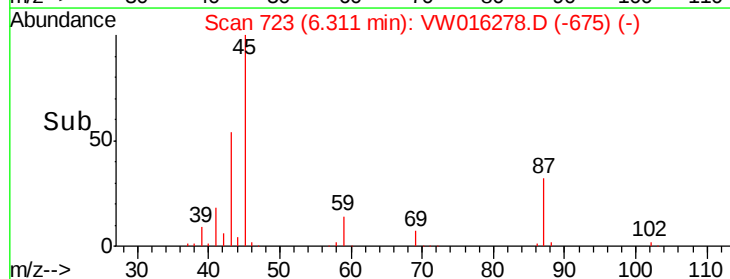
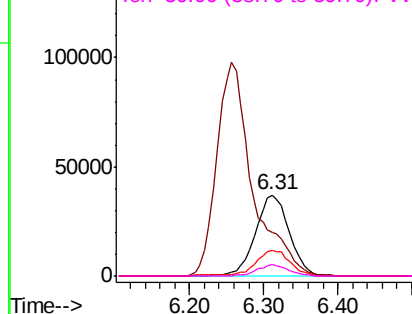
43 53.8 41.7 62.5

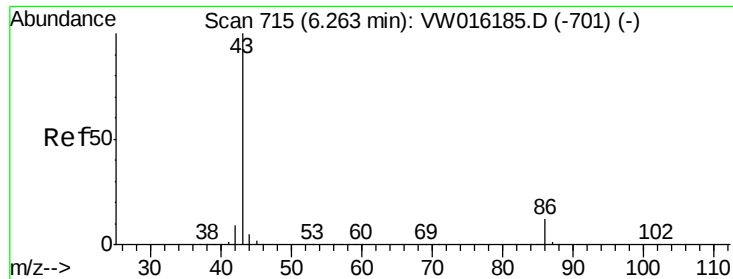
87 31.9 25.0 37.6

59 13.8 9.2 13.8



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





#23

Vinyl Acetate

Concen: 98.673 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampled :

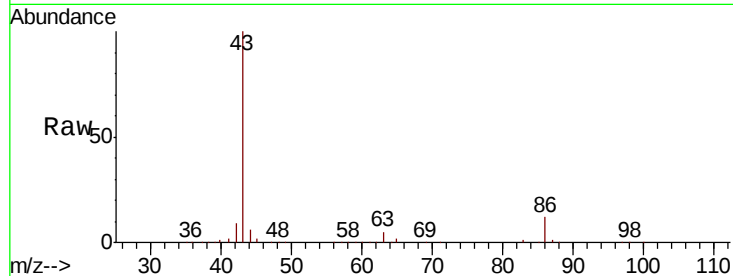
VW0821SBS01

Tot Ion: 43 Resp: 327958

Ion Ratio Lower Upper

43 100

86 12.3 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

100000

80000

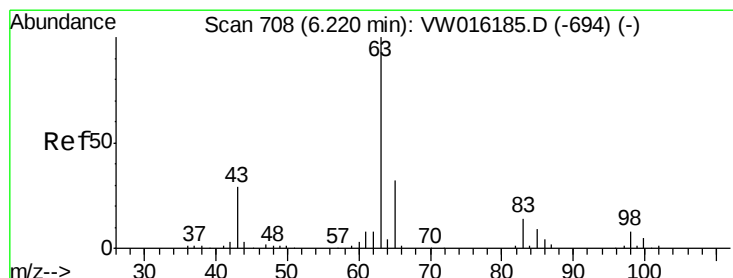
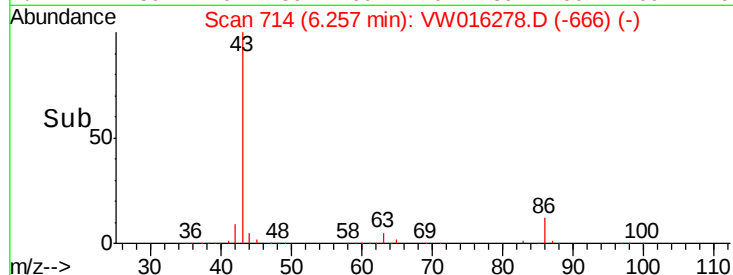
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.516 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

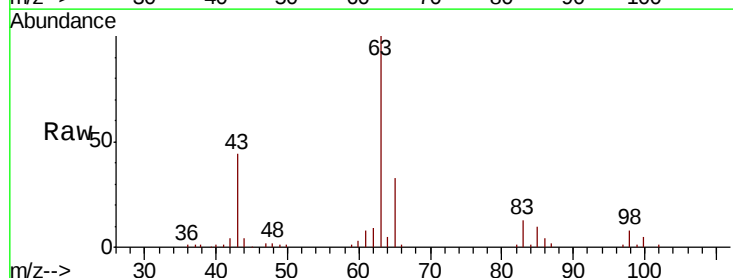
Tgt Ion: 63 Resp: 79064

Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

100 5.1 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

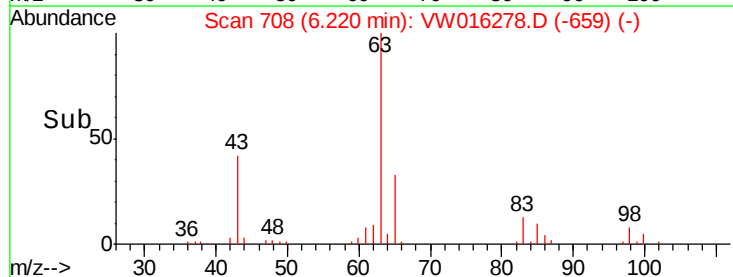
30000

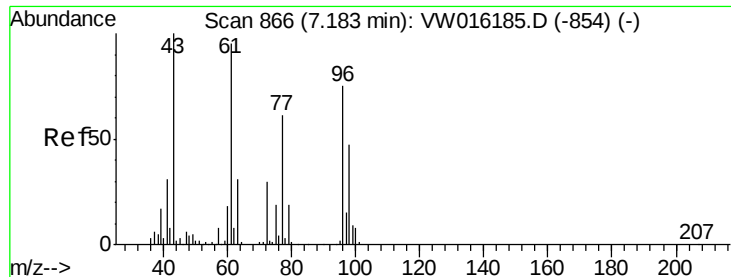
20000

10000

0

Time-->





#25

2-Butanone

Concen: 106.008 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

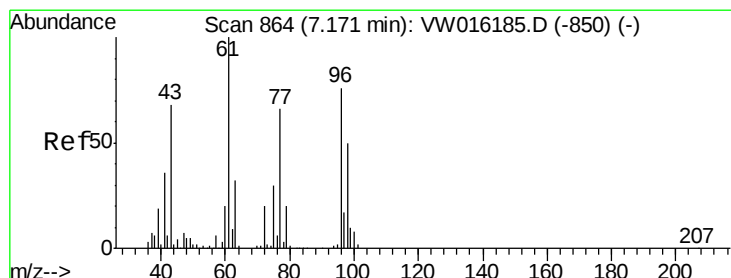
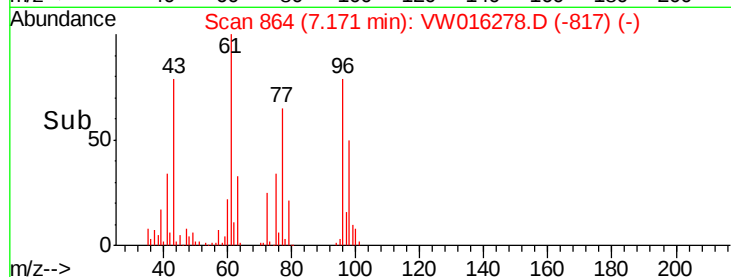
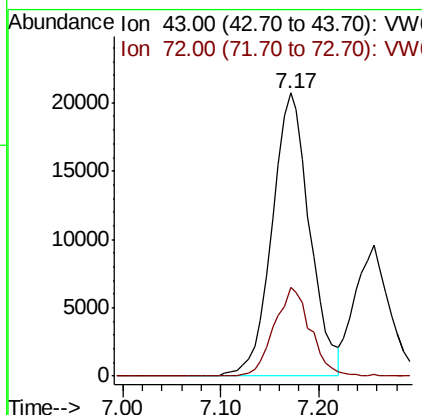
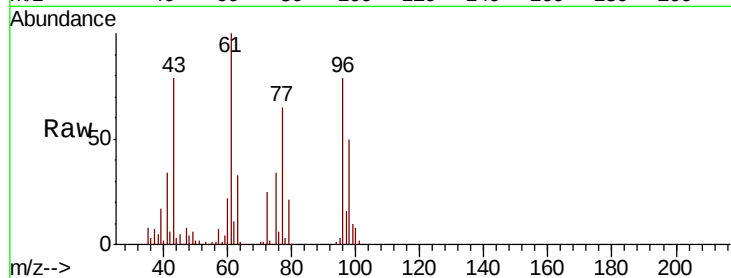
VW0821SBS01

Tot Ion: 43 Resp: 55710

Ion Ratio Lower Upper

43 100

72 31.4 24.2 36.2



#26

2,2-Dichloropropane

Concen: 20.294 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW016278.D

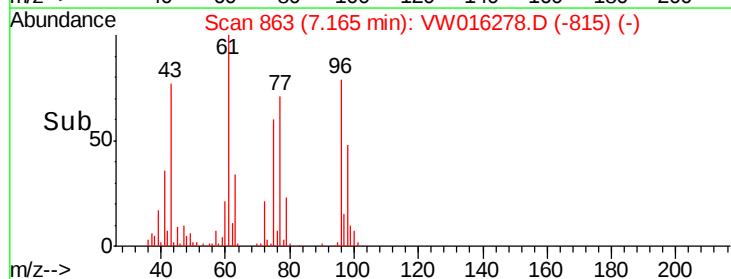
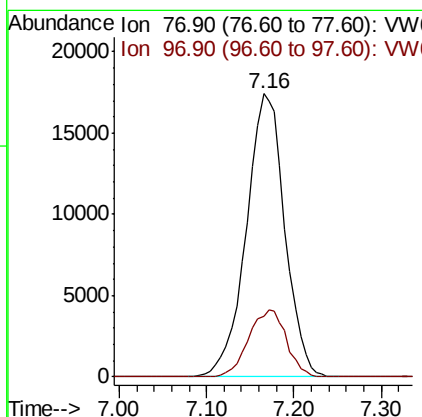
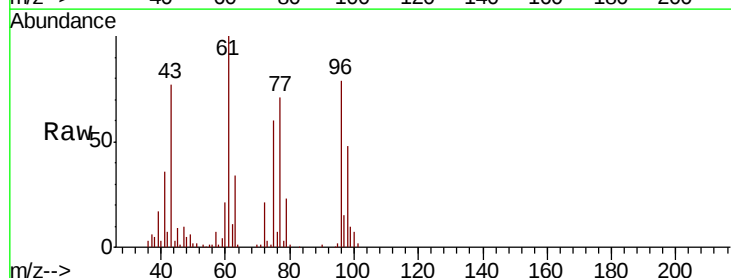
Acq: 20 Aug 2020 23:05

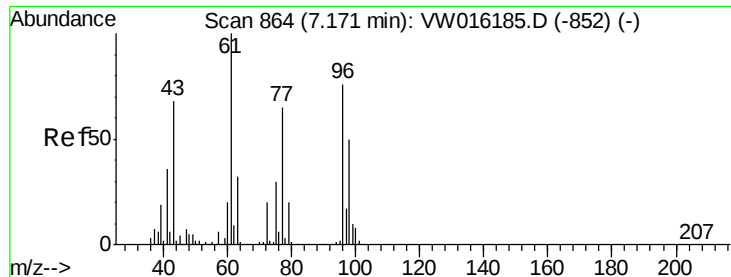
Tgt Ion: 77 Resp: 53108

Ion Ratio Lower Upper

77 100

97 23.2 12.1 36.3



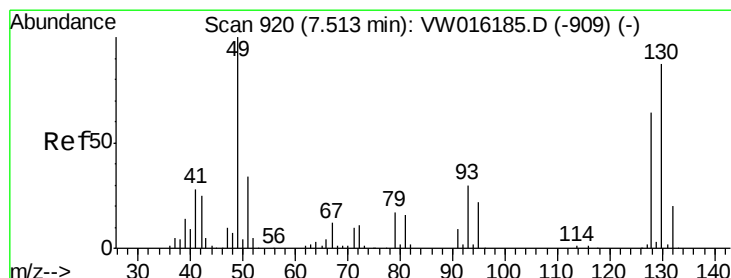
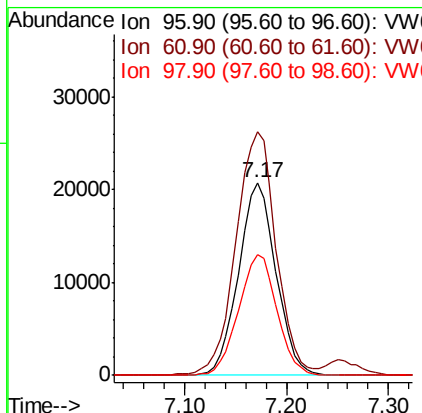
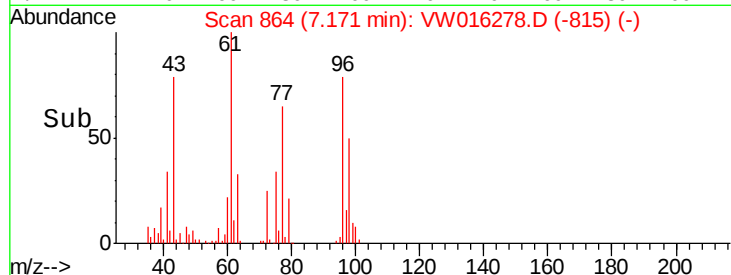
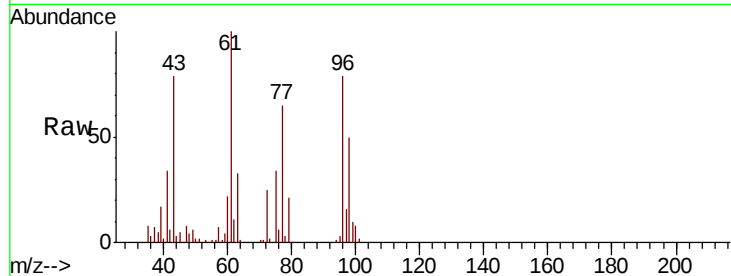


#27

cis-1,2-Dichloroethene
Concen: 20.458 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

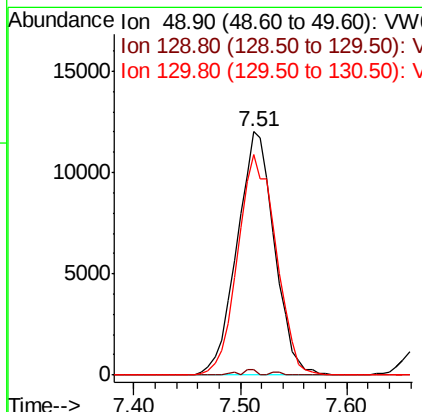
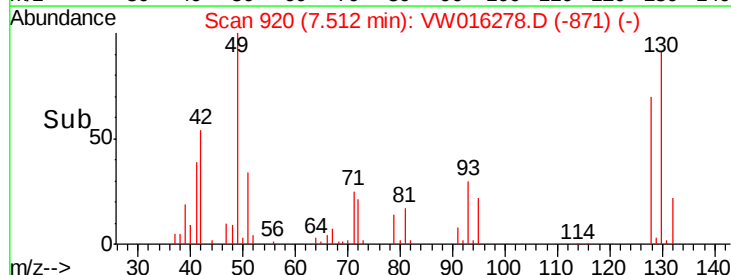
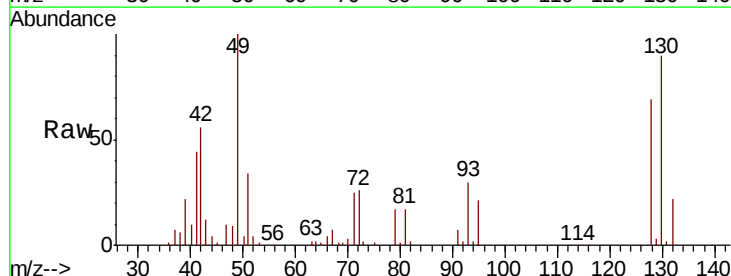
Tot Ion: 96 Resp: 52844
Ion Ratio Lower Upper
96 100
61 136.1 0.0 267.0
98 64.2 0.0 129.6

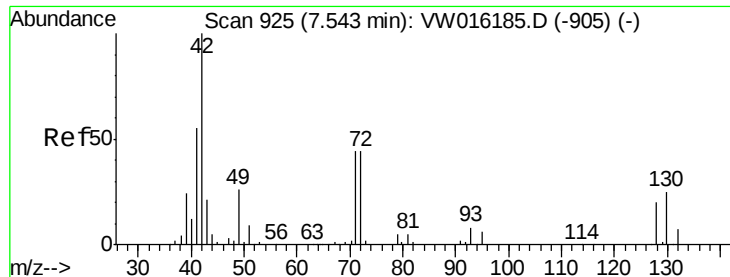


#28

Bromochloromethane
Concen: 19.244 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion: 49 Resp: 29579
Ion Ratio Lower Upper
49 100
129 1.0 0.0 4.2
130 92.6 69.9 104.9





#29

Tetrahydrofuran

Concen: 111.441 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

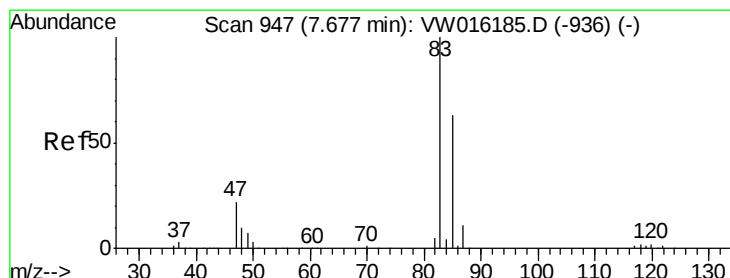
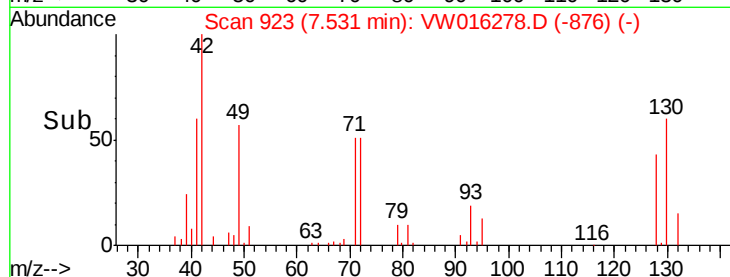
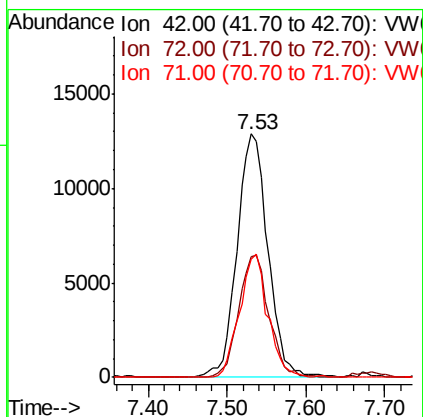
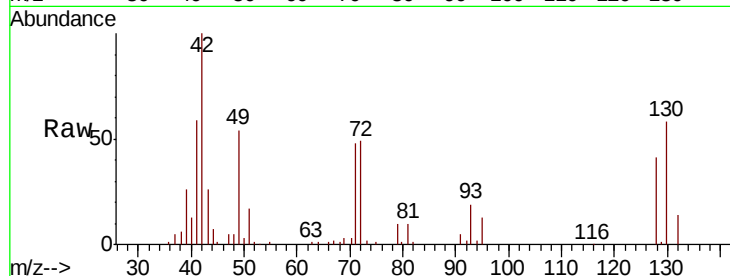
Tot Ion: 42 Resp: 35008

Ion Ratio Lower Upper

42 100

72 48.9 37.4 56.2

71 46.3 35.6 53.4



#30

Chloroform

Concen: 20.419 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016278.D

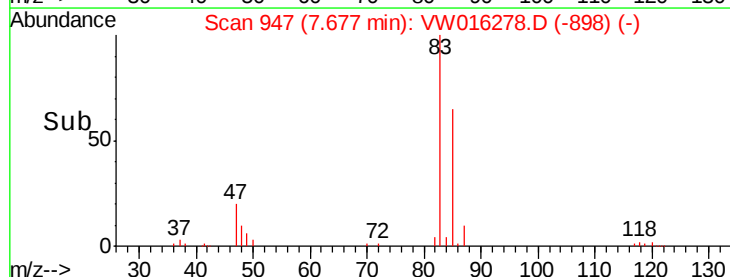
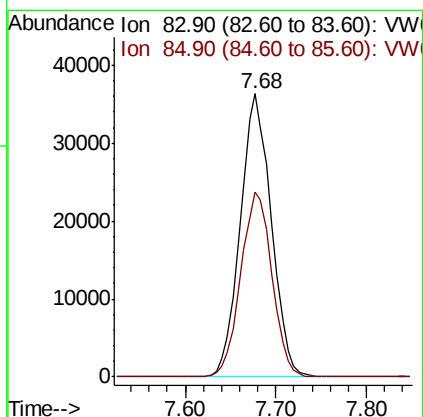
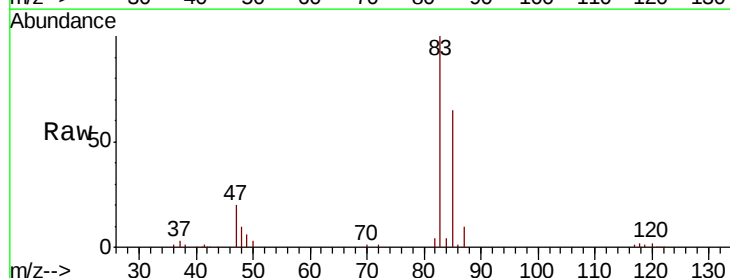
Acq: 20 Aug 2020 23:05

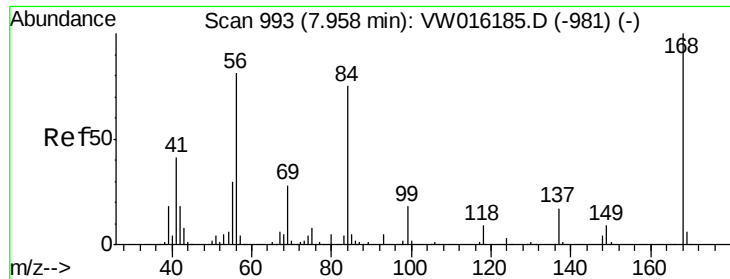
Tgt Ion: 83 Resp: 85949

Ion Ratio Lower Upper

83 100

85 65.4 50.0 75.0

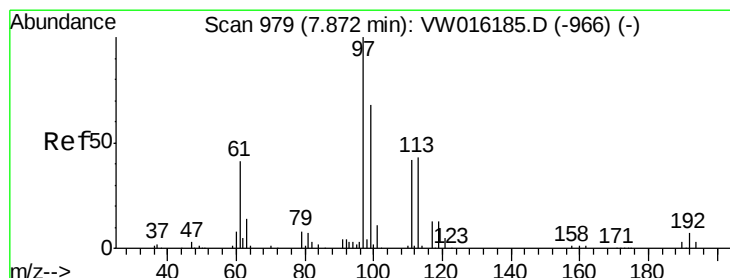
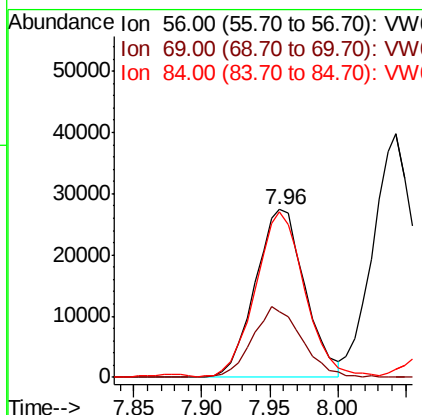
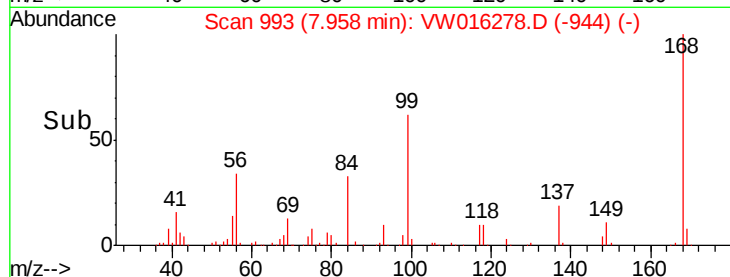
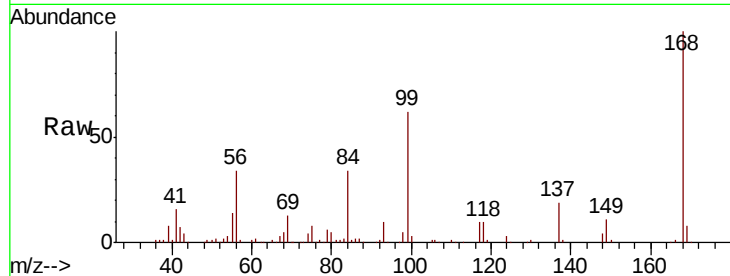




#31
Cyclohexane
Concen: 18.798 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

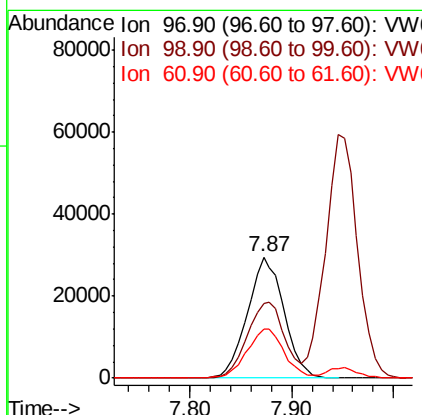
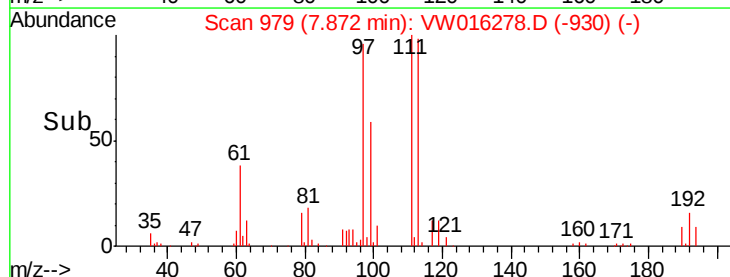
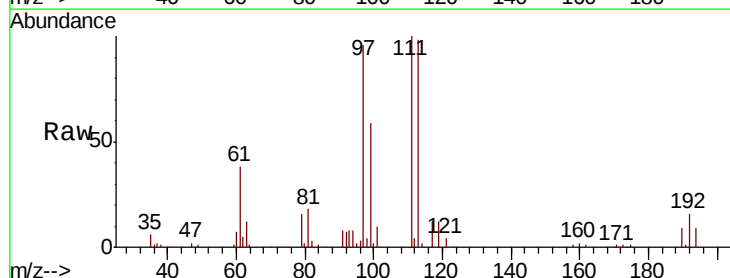
Instrument :
MSVOA_W
ClientSampled :
VW0821SBS01

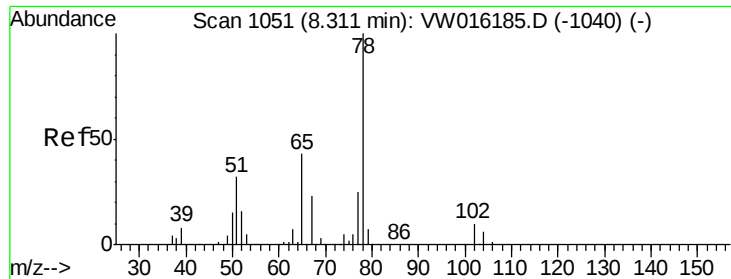
Tot Ion: 56 Resp: 70223
Ion Ratio Lower Upper
56 100
69 39.4 27.3 40.9
84 97.9 73.5 110.3



#32
1,1,1-Trichloroethane
Concen: 20.706 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion: 97 Resp: 73227
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 41.2 33.2 49.8

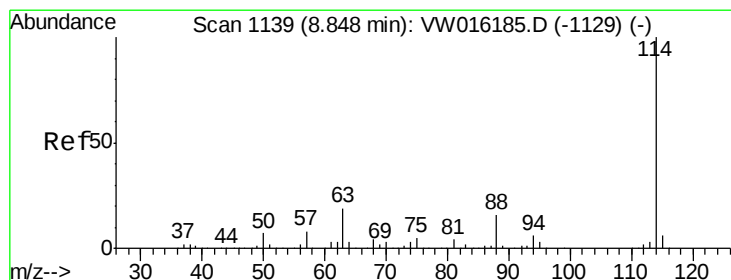
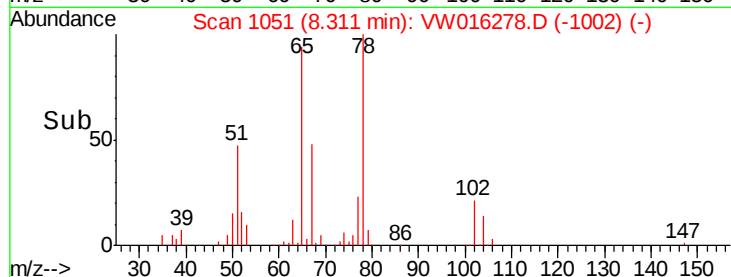
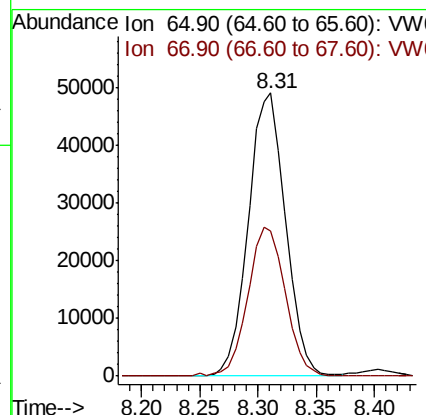
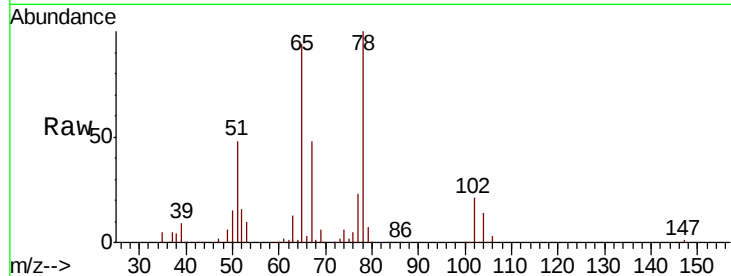




#33
 1,2-Dichloroethane-d4
 Concen: 53.295 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

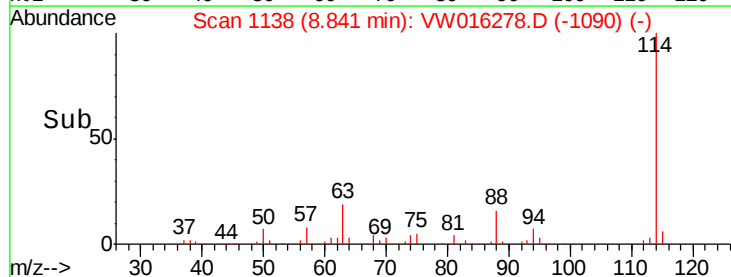
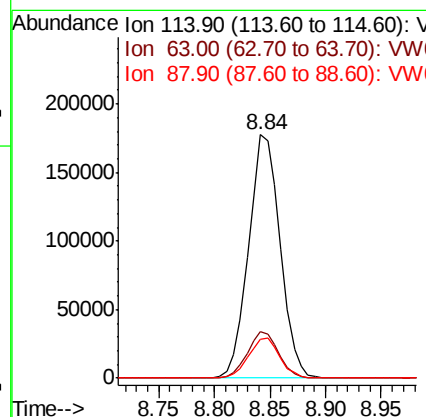
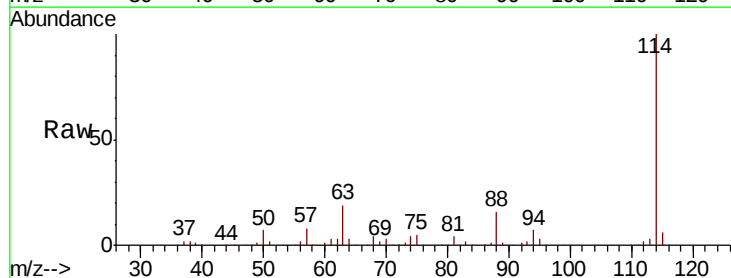
Instrument :
 MSVOA_W
 ClientSampled :
 VW0821SBS01

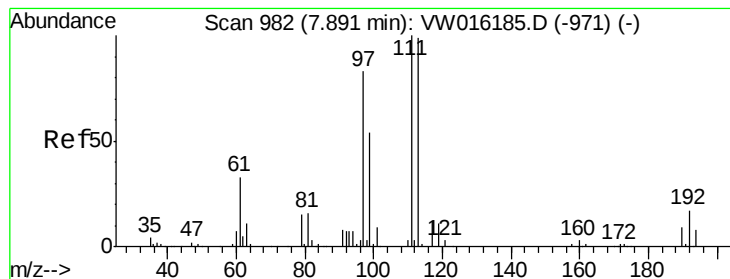
Tot Ion: 65 Resp: 109092
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

Tgt Ion: 114 Resp: 349681
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.4
 88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.279 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

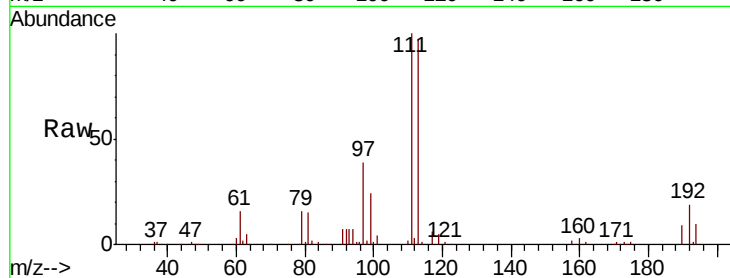
Tot Ion:113 Resp: 110637

Ion Ratio Lower Upper

113 100

111 102.7 83.5 125.3

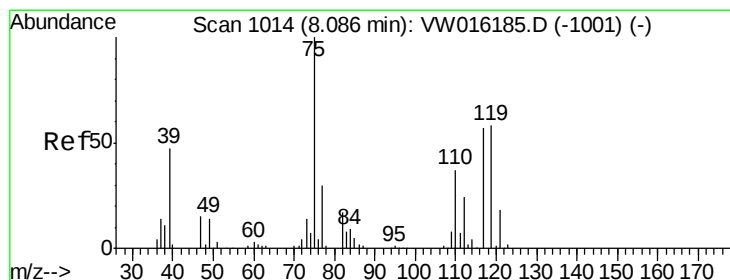
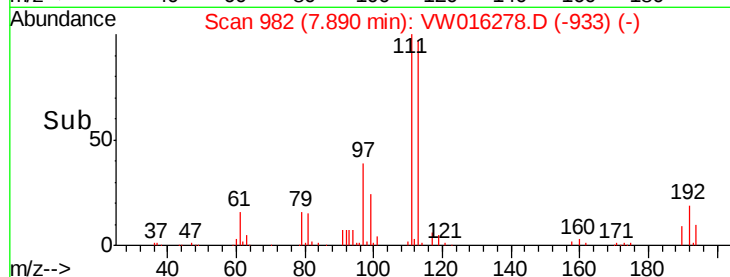
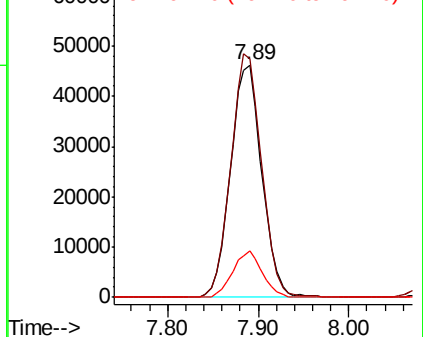
192 18.8 14.3 21.5



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: 19.359 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

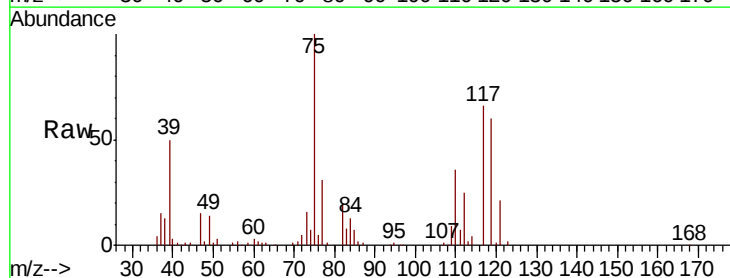
Tgt Ion: 75 Resp: 66688

Ion Ratio Lower Upper

75 100

110 36.4 18.1 54.3

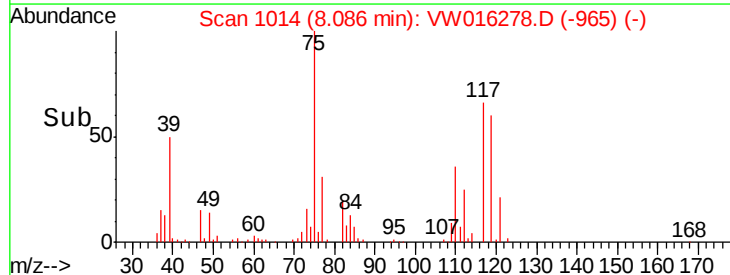
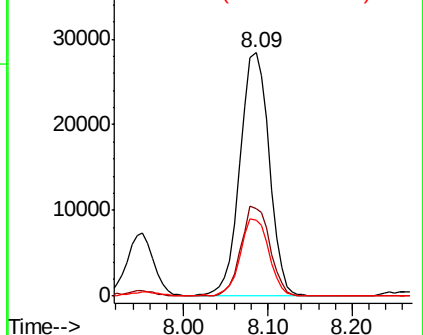
77 31.0 24.7 37.1

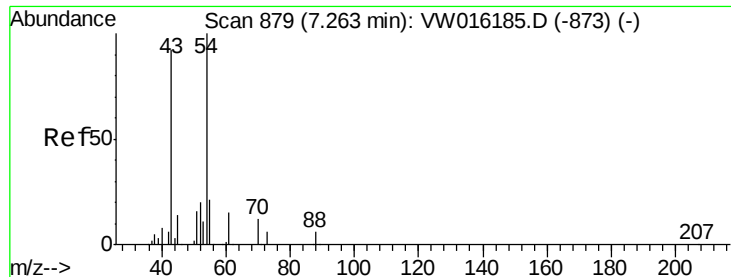


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

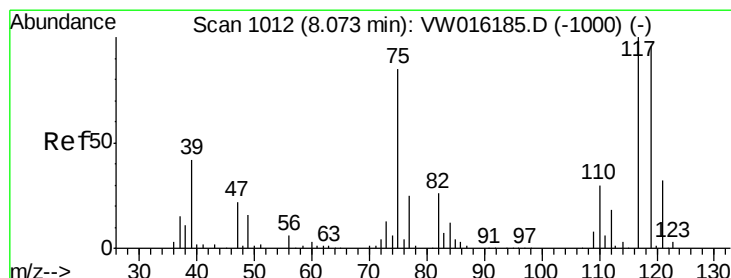
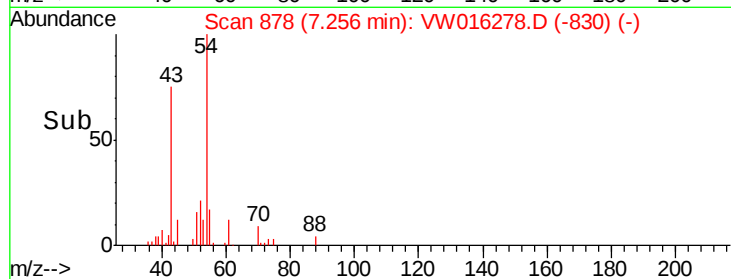
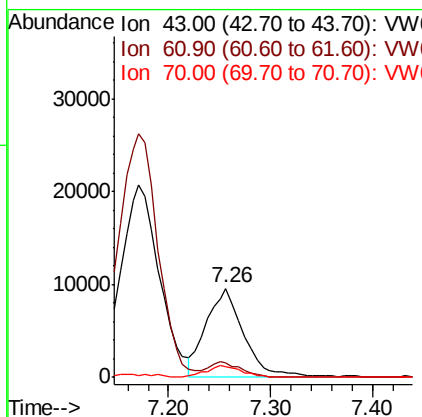
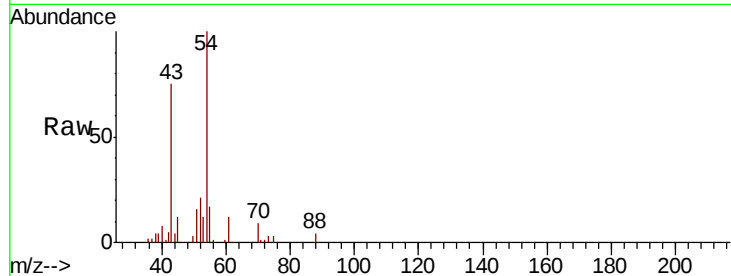




#37
Ethyl Acetate
Concen: 20.275 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

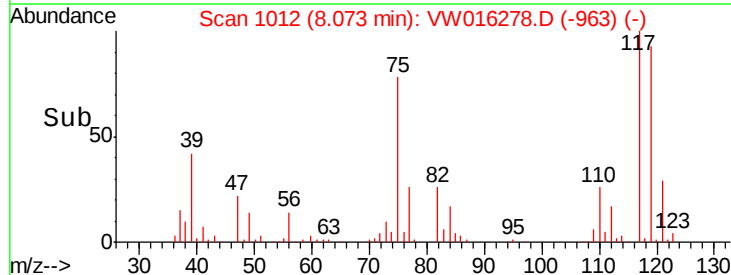
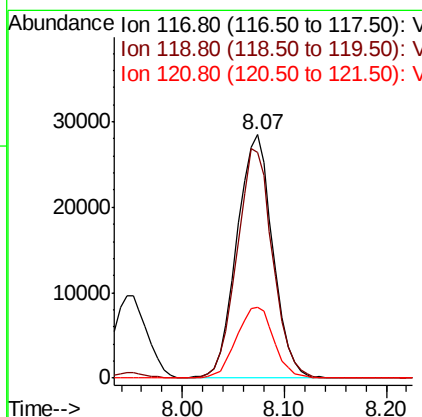
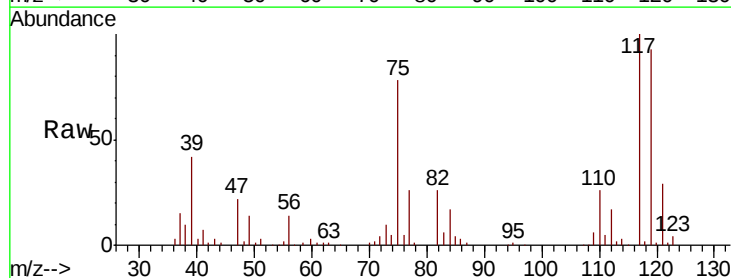
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

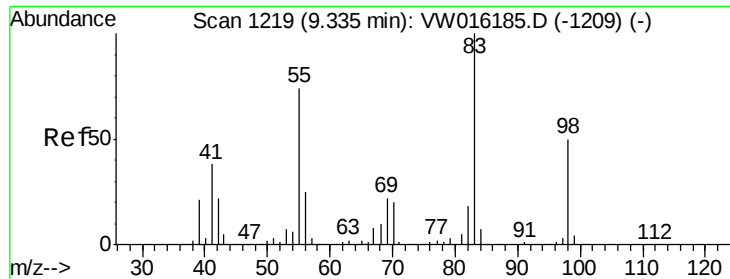
Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.6	18.8
70	13.1	9.8	14.8



#38
Carbon Tetrachloride
Concen: 20.190 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.6	115.0
121	28.8	25.4	38.0

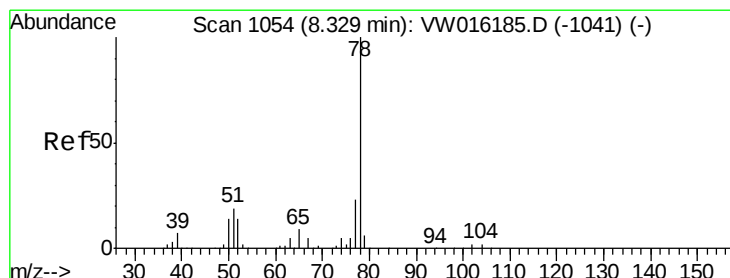
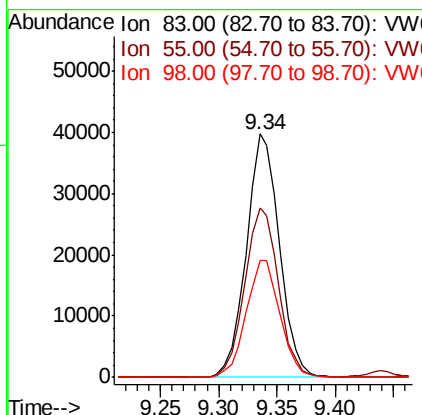
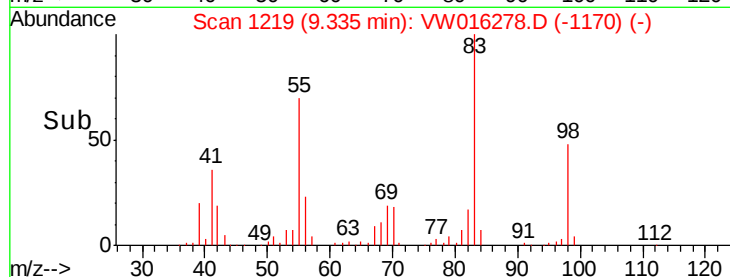
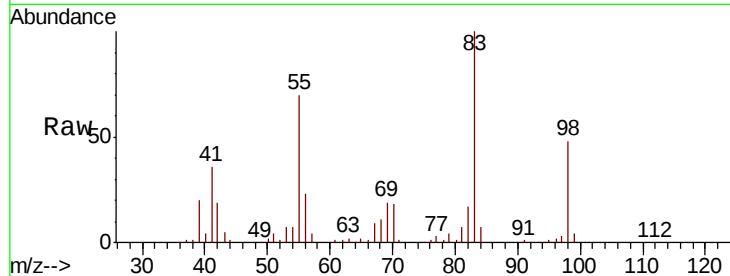




#39
Methvlcvclohexane
Concen: 18.933 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

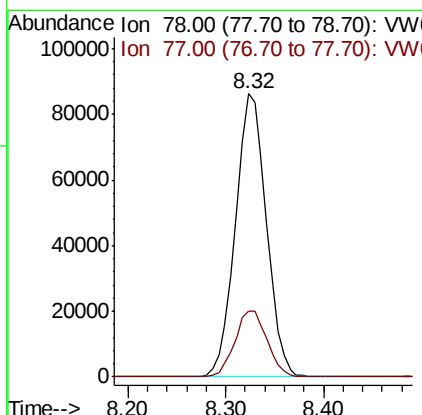
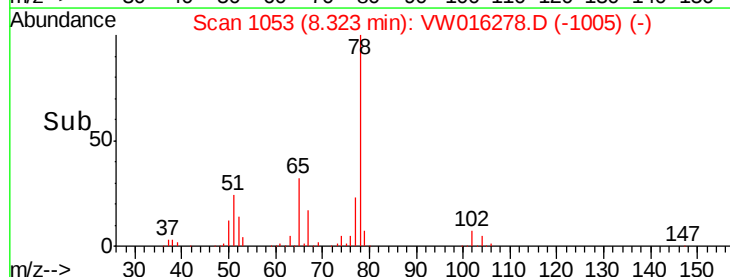
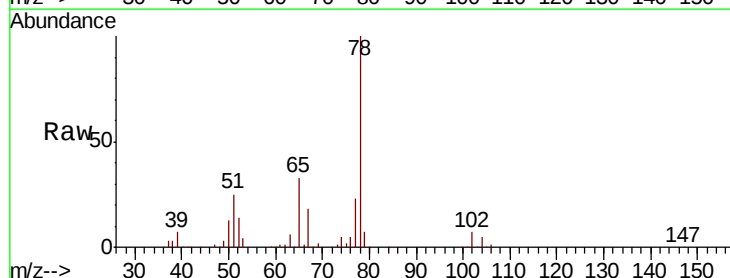
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

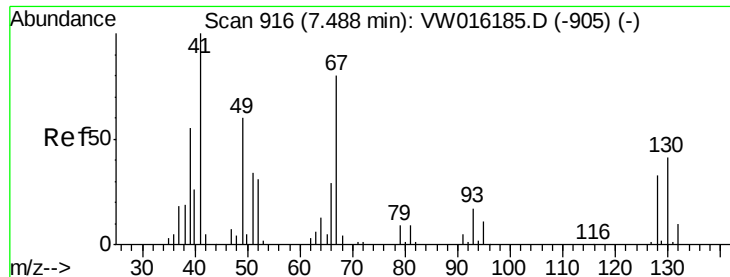
Tot Ion: 83 Resp: 78561
Ion Ratio Lower Upper
83 100
55 69.8 59.2 88.8
98 47.9 40.2 60.2



#40
Benzene
Concen: 19.546 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion: 78 Resp: 189420
Ion Ratio Lower Upper
78 100
77 23.2 18.6 28.0

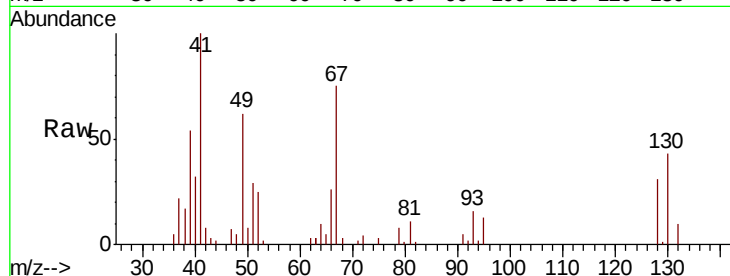




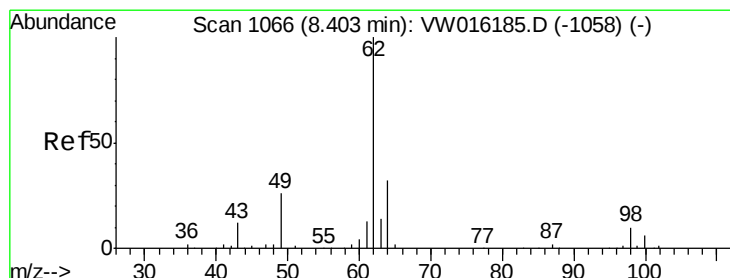
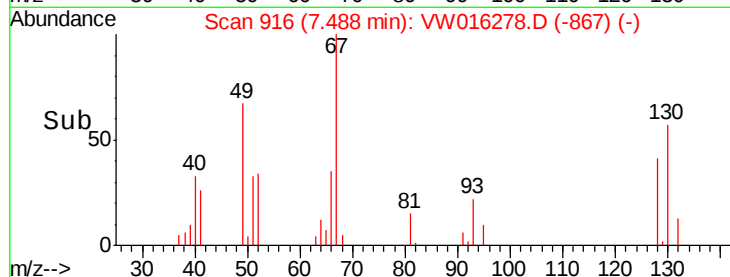
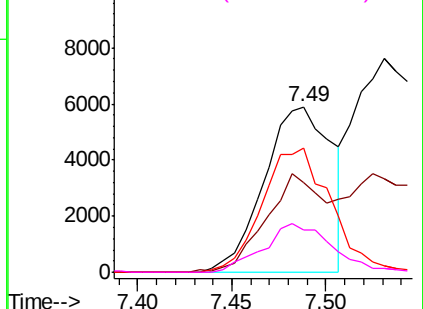
#41
Methacrylonitrile
Concen: 21.858 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

Tot Ion:	41	Resp:	14734
Ion	Ratio	Lower	Upper
41	100		
39	48.9	43.4	65.2
67	75.5	61.5	92.3
52	29.8	24.3	36.5

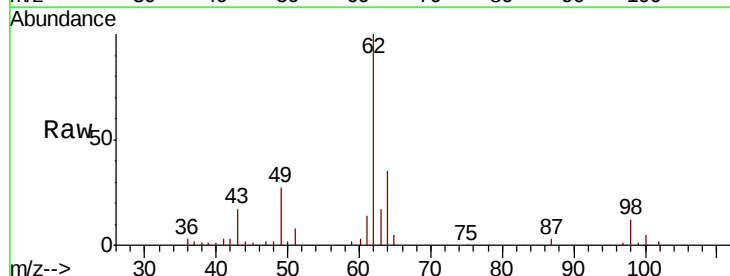


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

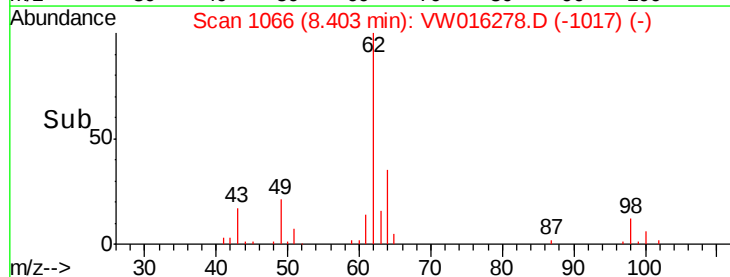
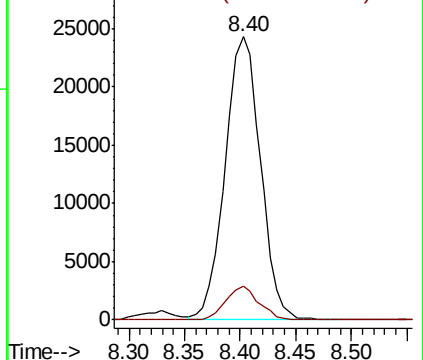


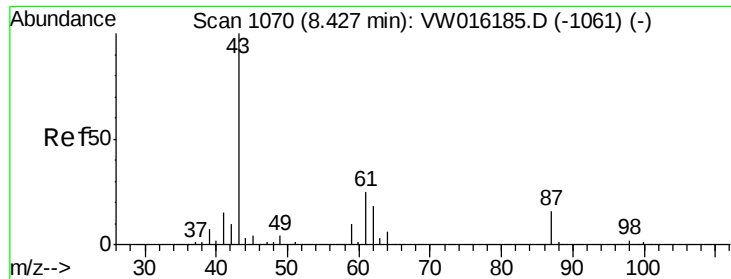
#42
1,2-Dichloroethane
Concen: 20.930 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion:	62	Resp:	53570
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	20.8



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





#43

Isopropyl Acetate

Concen: 20.535 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampled :

VW0821SBS01

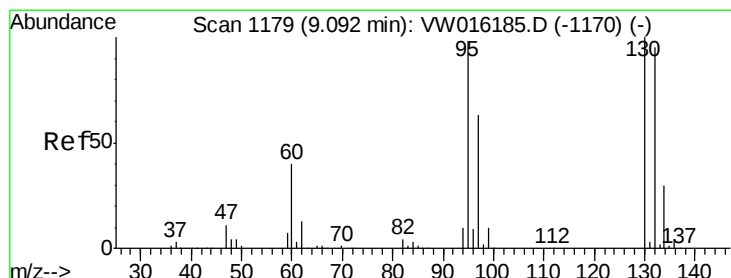
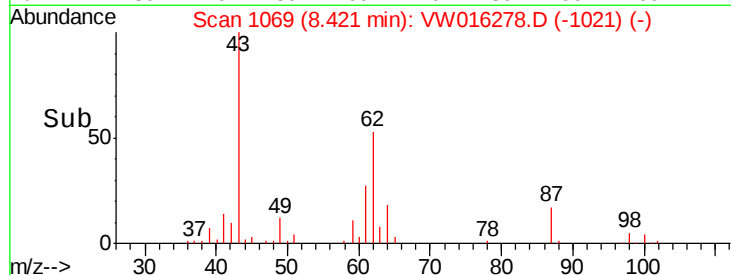
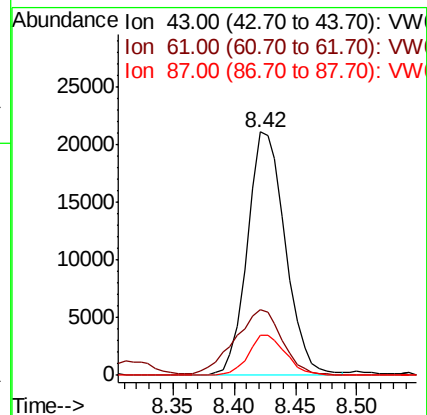
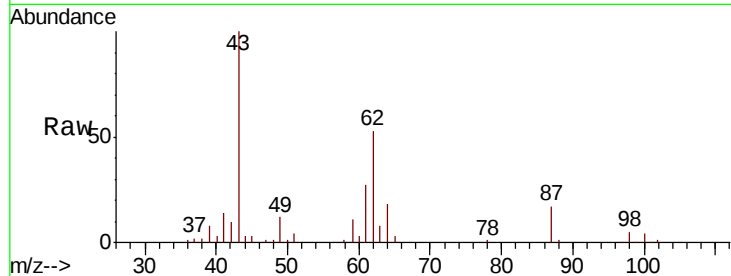
Tot Ion: 43 Resp: 45629

Ion Ratio Lower Upper

43 100

61 33.8 26.9 40.3

87 16.0 12.0 18.0



#44

Trichloroethene

Concen: 19.379 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016278.D

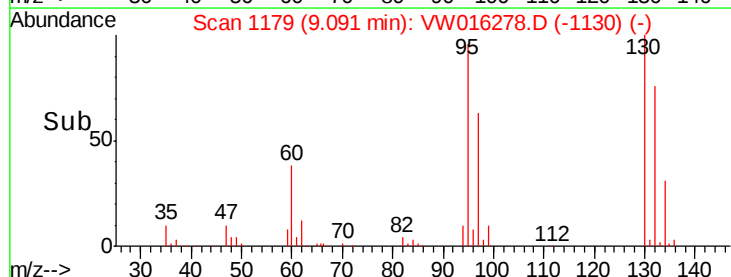
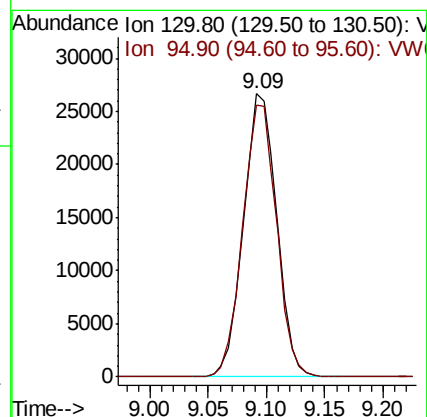
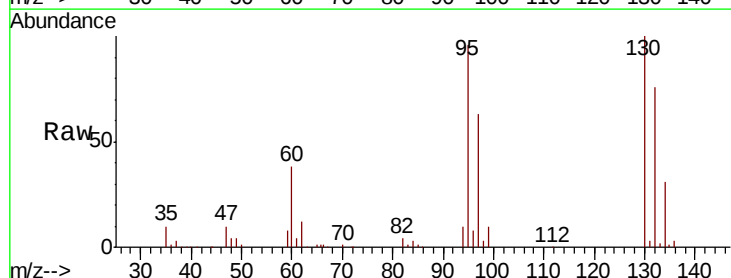
Acq: 20 Aug 2020 23:05

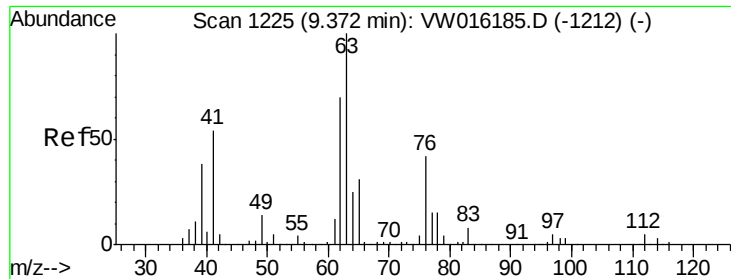
Tgt Ion: 130 Resp: 53189

Ion Ratio Lower Upper

130 100

95 96.2 0.0 196.4

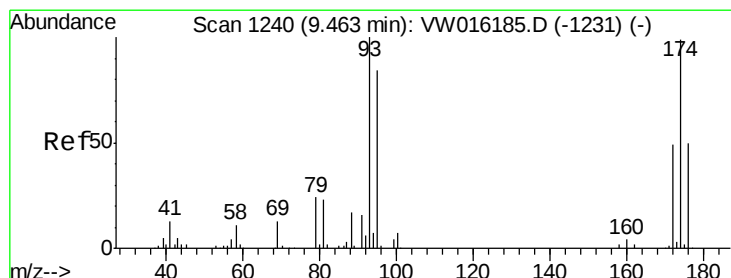
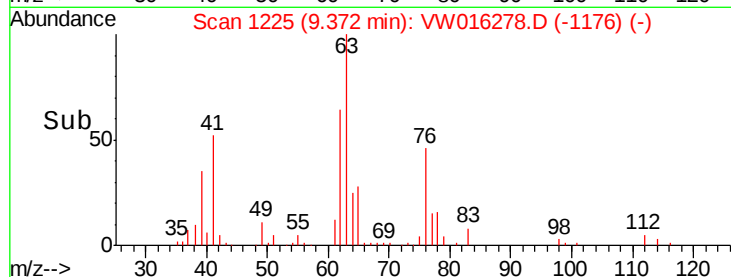
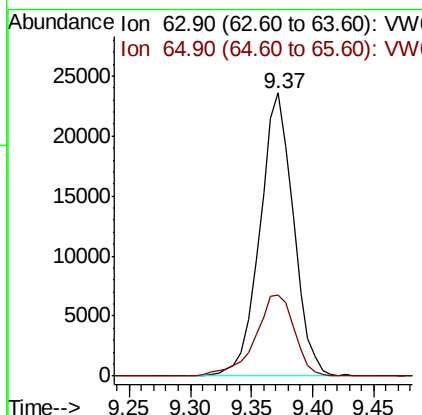
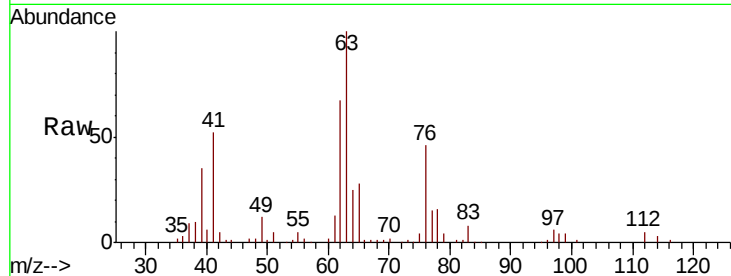




#45
 1,2-Dichloropropane
 Concen: 19.769 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

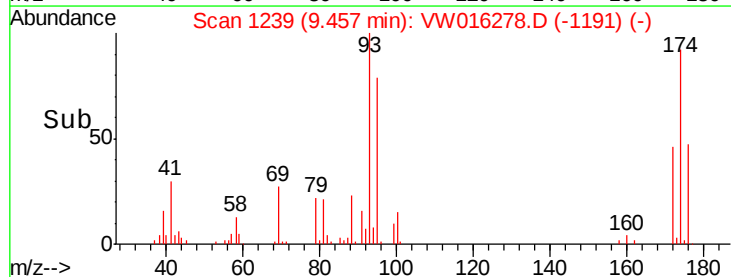
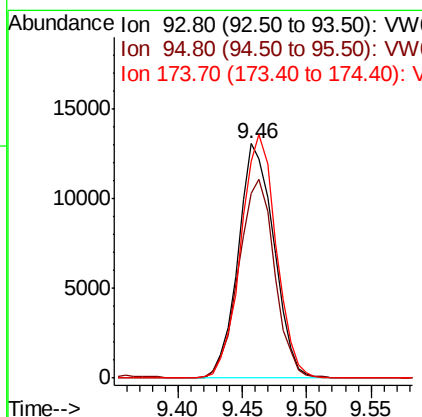
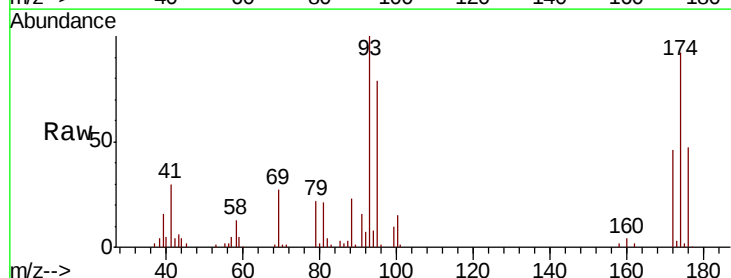
Instrument :
 MSVOA_W
 ClientSampled :
 VW0821SBS01

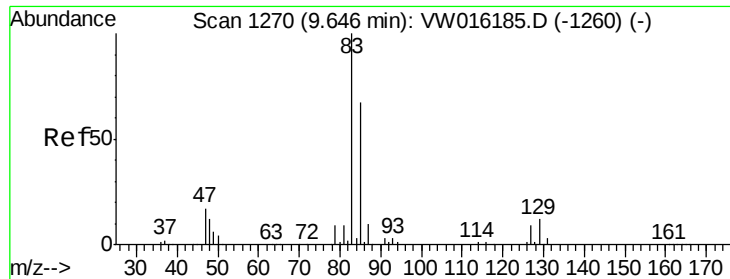
Tot Ion: 63 Resp: 45162
 Ion Ratio Lower Upper
 63 100
 65 28.5 25.0 37.6



#46
 Dibromomethane
 Concen: 20.964 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

Tgt Ion: 93 Resp: 25143
 Ion Ratio Lower Upper
 93 100
 95 84.8 65.9 98.9
 174 102.3 77.0 115.6





#47

Bromodichloromethane

Concen: 20.271 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

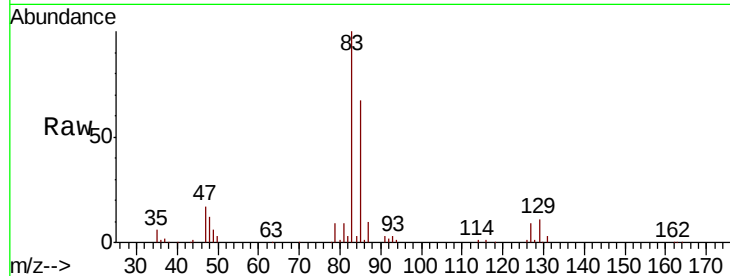
Tot Ion: 83 Resp: 62814

Ion Ratio Lower Upper

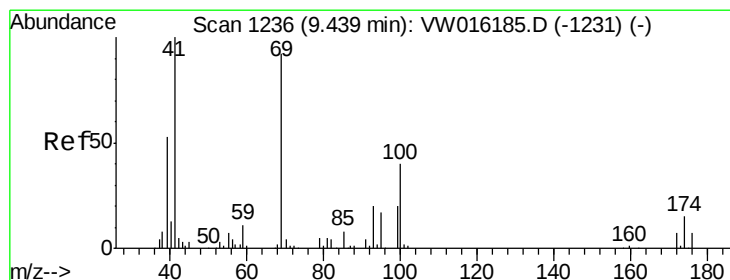
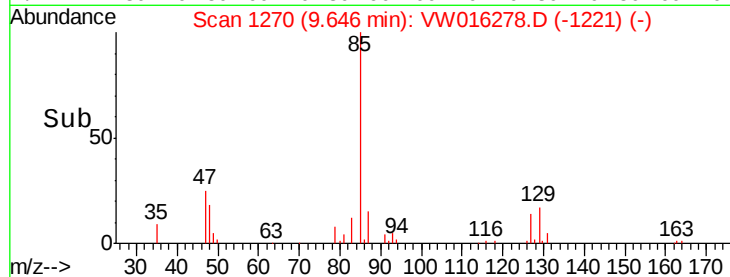
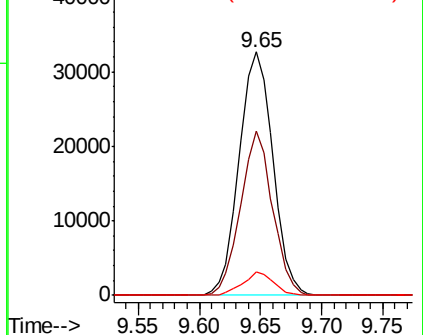
83 100

85 67.3 53.3 79.9

127 9.4 7.4 11.2



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): V



#48

Methyl methacrylate

Concen: 20.719 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

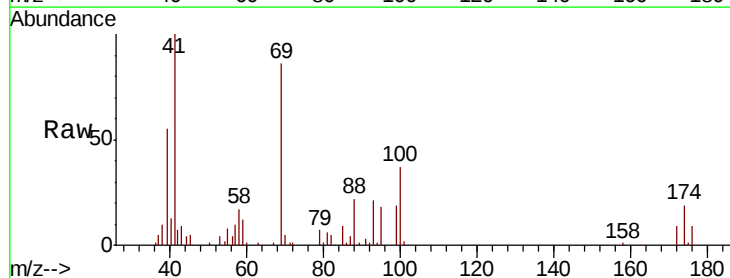
Tgt Ion: 41 Resp: 21402

Ion Ratio Lower Upper

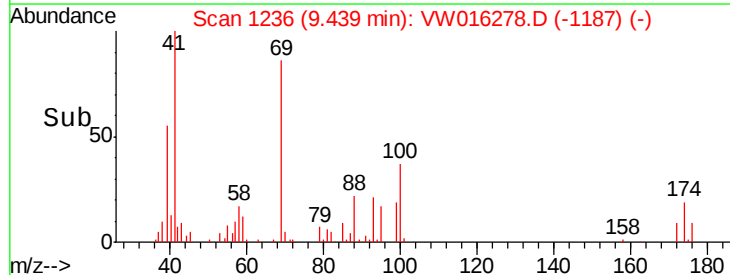
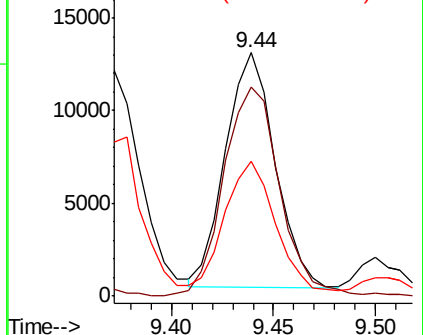
41 100

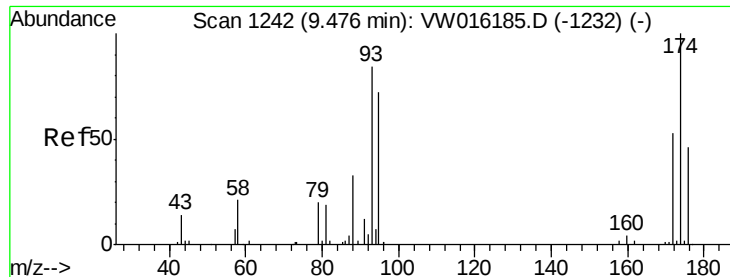
69 100.2 77.4 116.0

39 55.7 42.2 63.2



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: 516.289 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

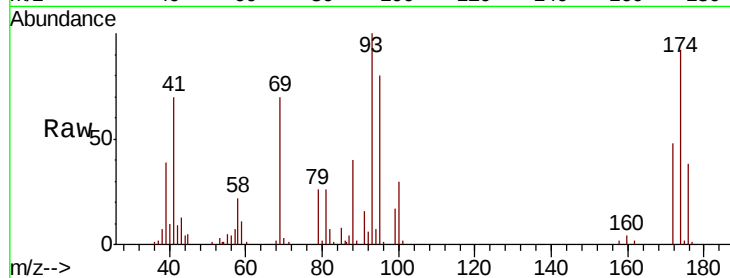
Tot Ion: 88 Resp: 7797

Ion Ratio Lower Upper

88 100

43 29.8 0.0 0.0#

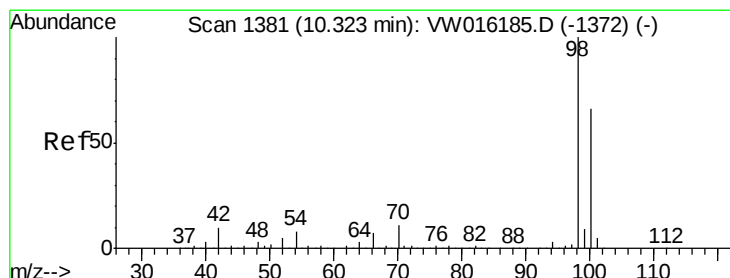
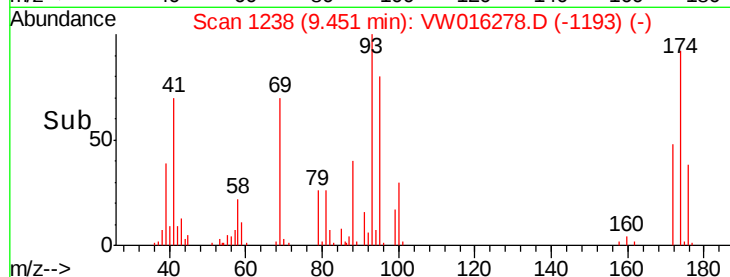
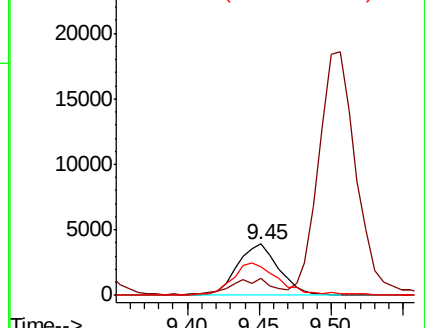
58 71.8 56.6 84.8



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: 51.568 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW016278.D

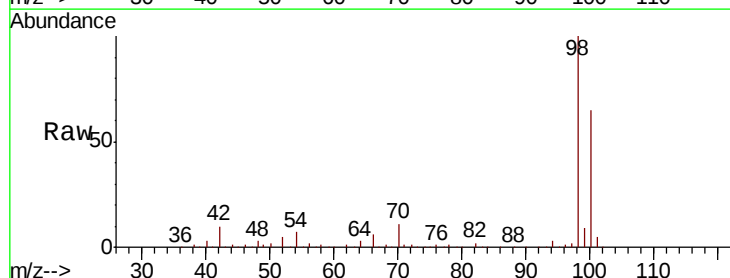
Acq: 20 Aug 2020 23:05

Tgt Ion: 98 Resp: 430675

Ion Ratio Lower Upper

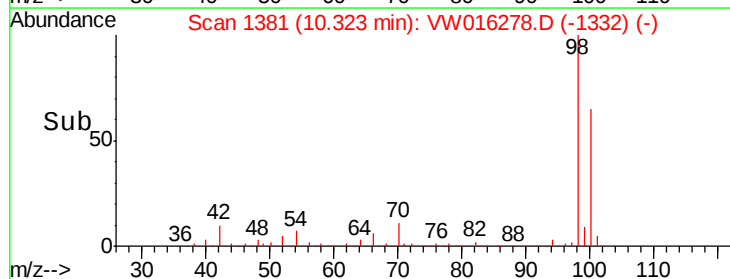
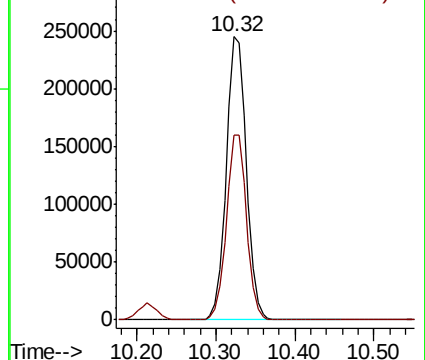
98 100

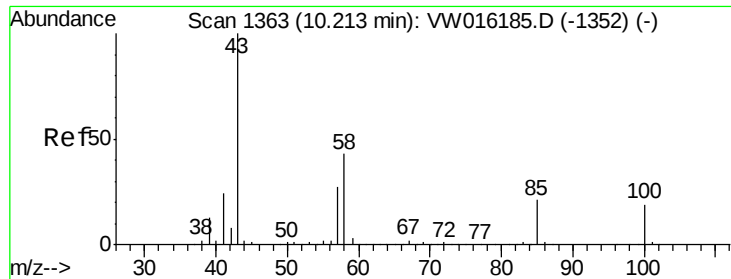
100 65.6 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 107.917 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

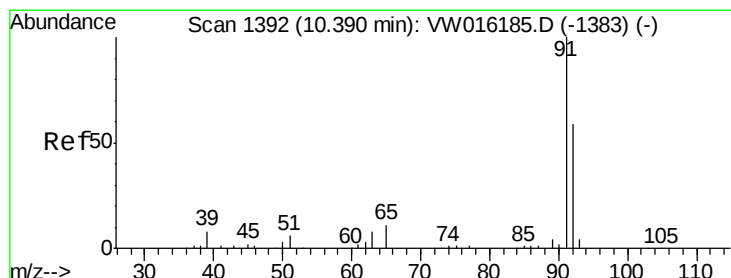
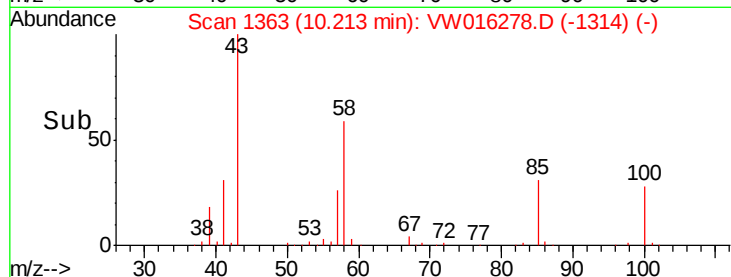
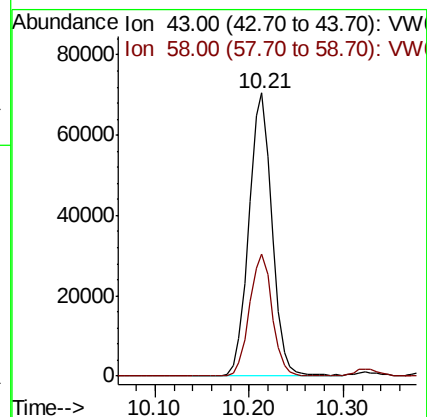
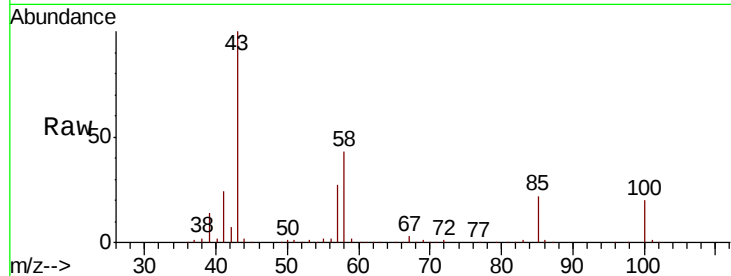
VW0821SBS01

Tot Ion: 43 Resp: 121281

Ion Ratio Lower Upper

43 100

58 42.4 33.7 50.5



#52

Toluene

Concen: 19.963 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016278.D

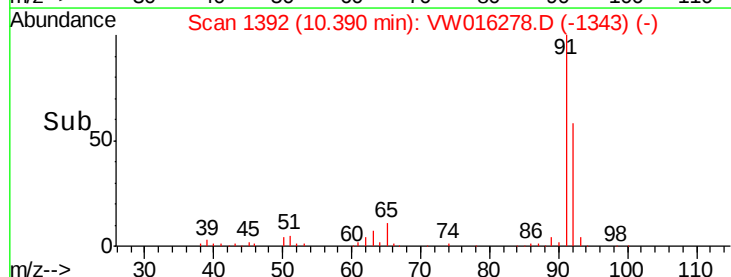
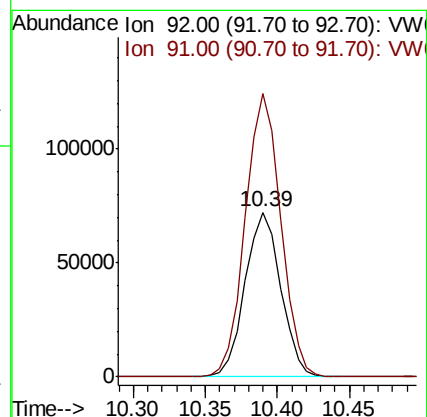
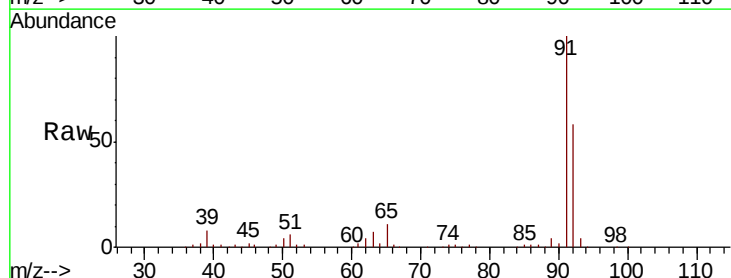
Acq: 20 Aug 2020 23:05

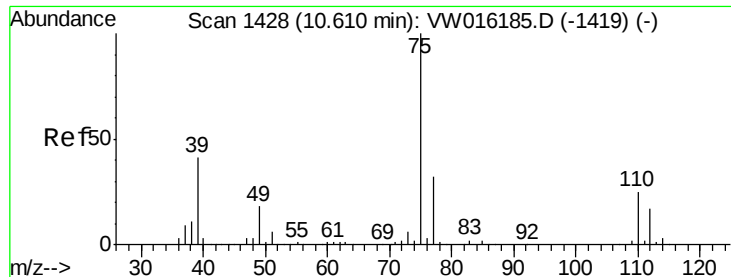
Tgt Ion: 92 Resp: 123882

Ion Ratio Lower Upper

92 100

91 171.7 133.3 199.9

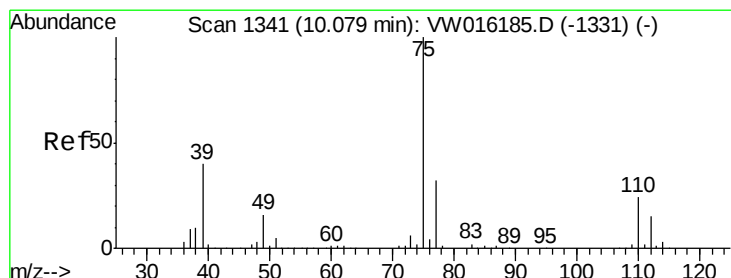
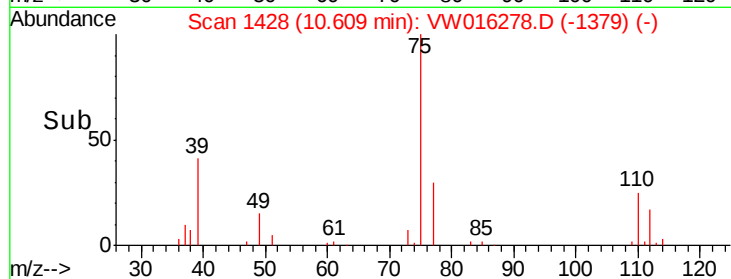
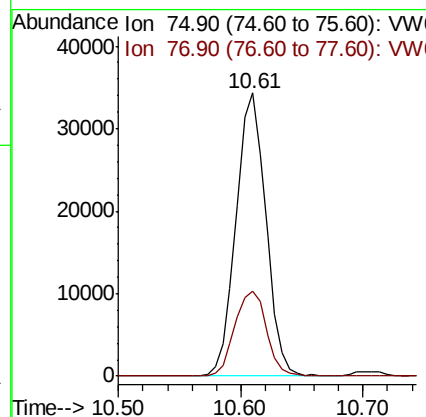
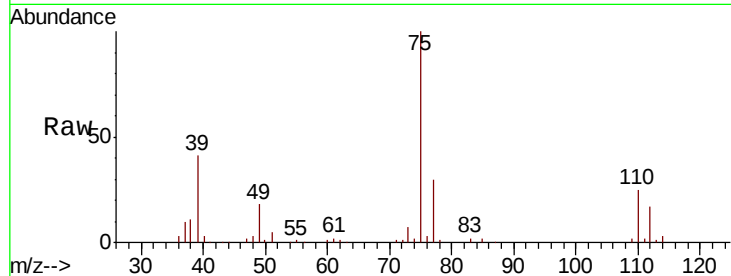




#53
 t-1,3-Dichloropropene
 Concen: 20.224 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

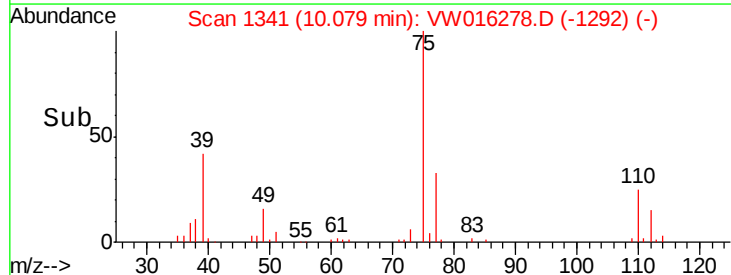
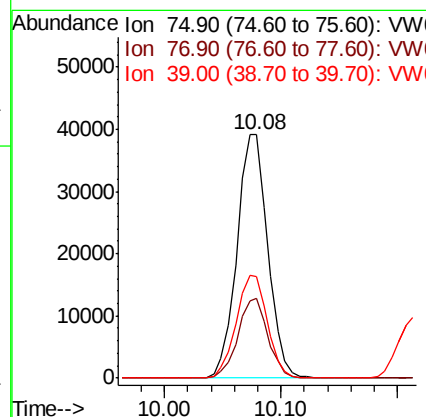
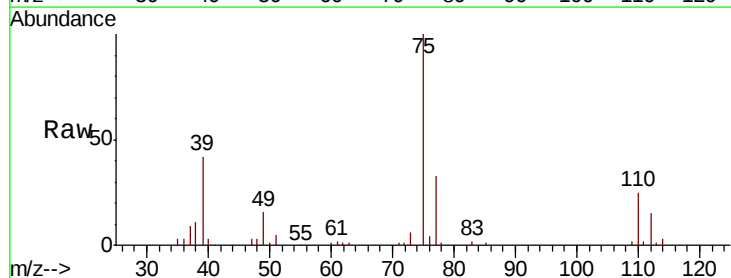
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

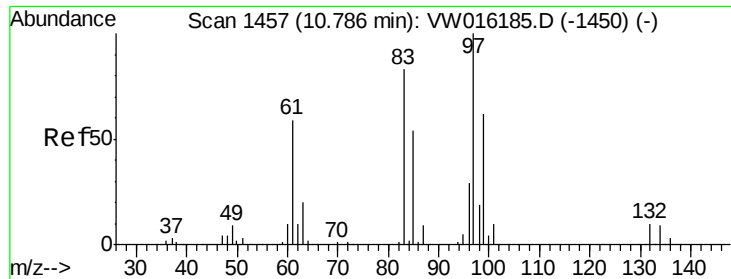
Tot Ion: 75 Resp: 58024
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.198 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

Tgt Ion: 75 Resp: 72024
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.3 37.9
 39 41.8 32.3 48.5

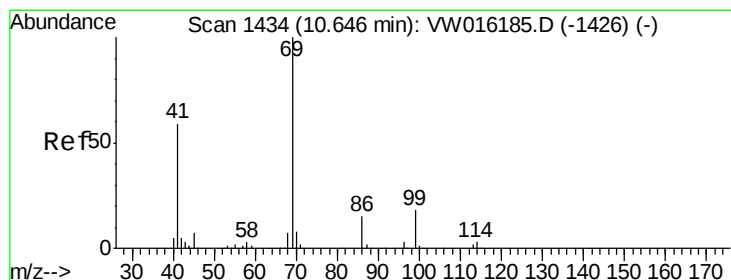
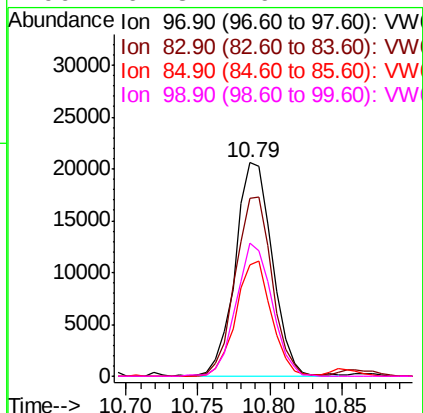
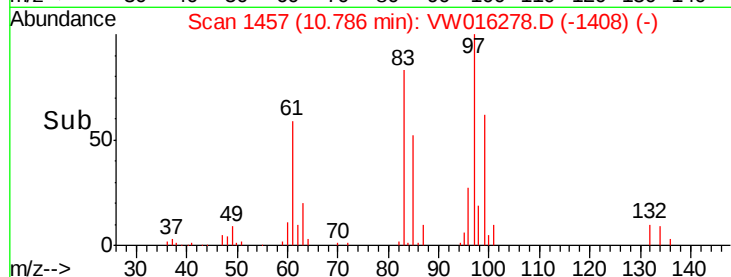
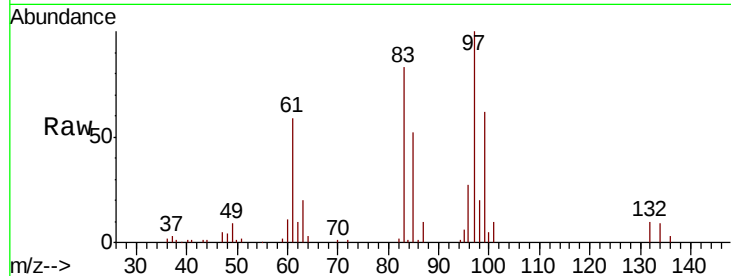




#55
 1,1,2-Trichloroethane
 Concen: 21.485 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

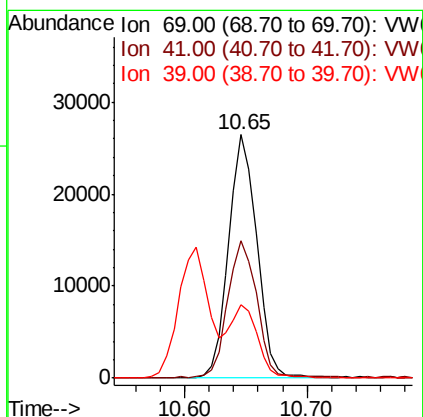
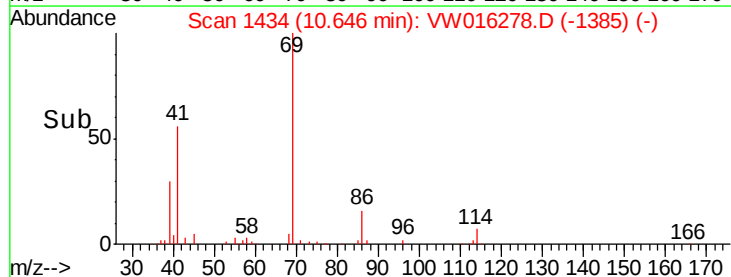
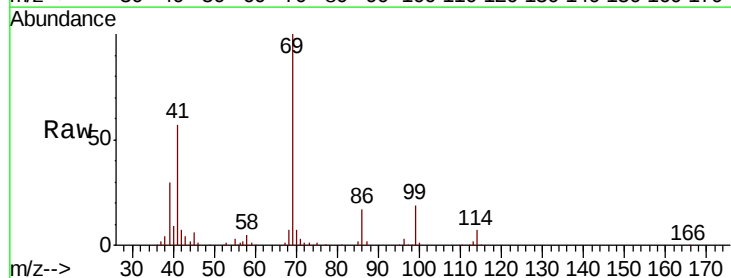
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

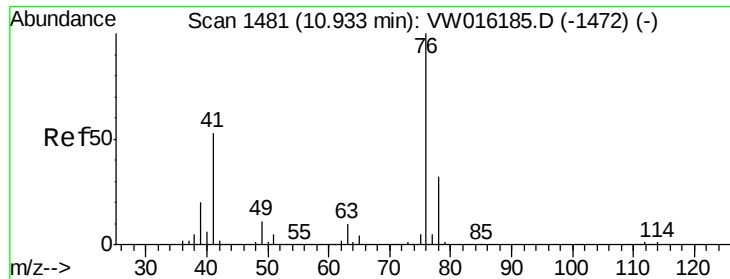
Tot Ion:	97	Resp:	36973
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.6	100.0
85	52.2	43.0	64.4
99	62.3	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 21.615 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

Tgt Ion:	69	Resp:	42418
Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.6	71.4
39	31.0	24.6	36.8

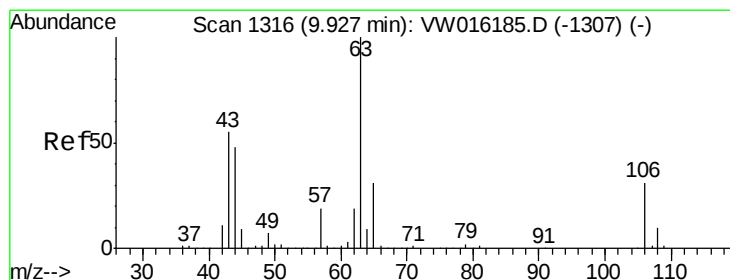
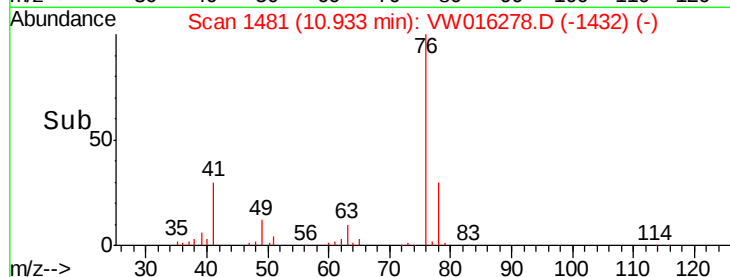
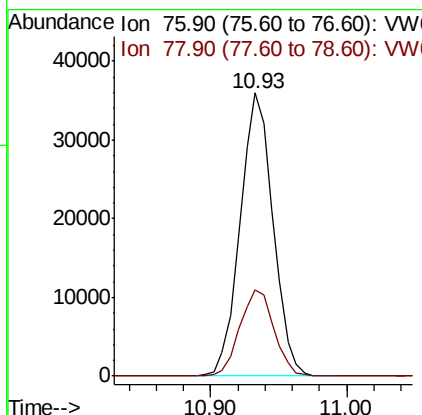
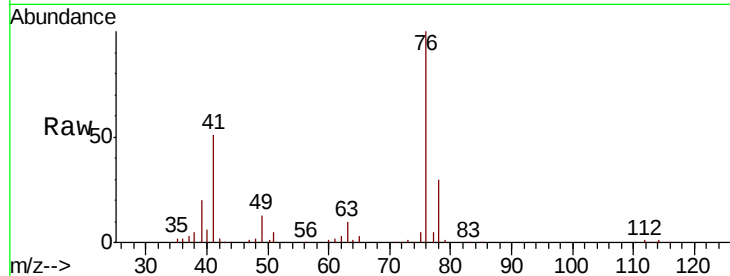




#57
 1,3-Dichloropropane
 Concen: 20.741 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

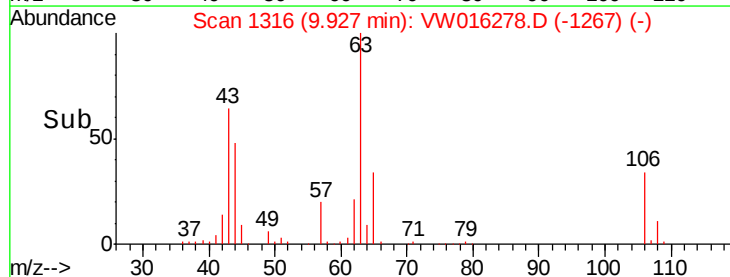
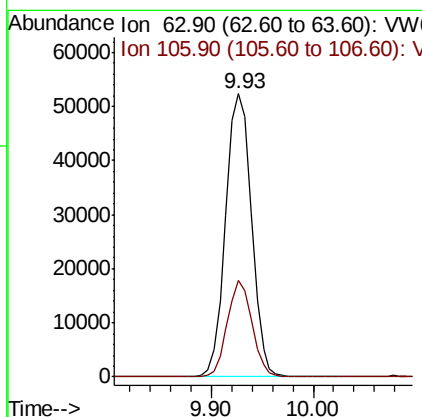
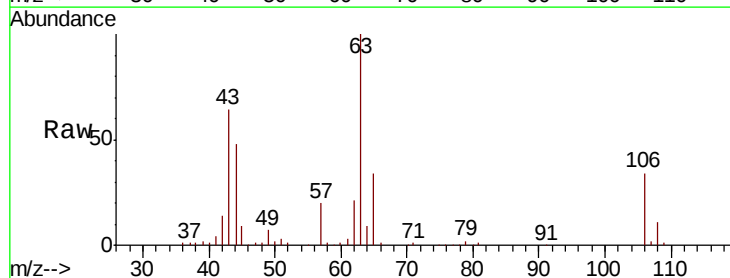
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

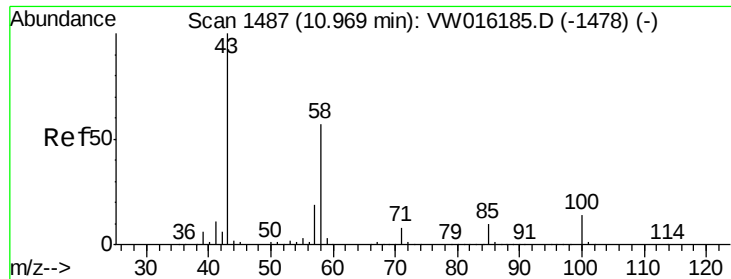
Tot Ion: 76 Resp: 60729
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.569 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

Tgt Ion: 63 Resp: 91773
 Ion Ratio Lower Upper
 63 100
 106 32.4 24.9 37.3

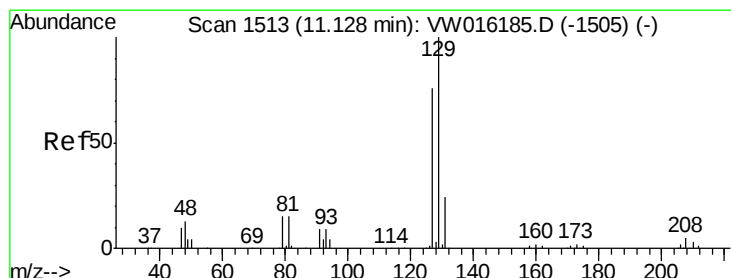
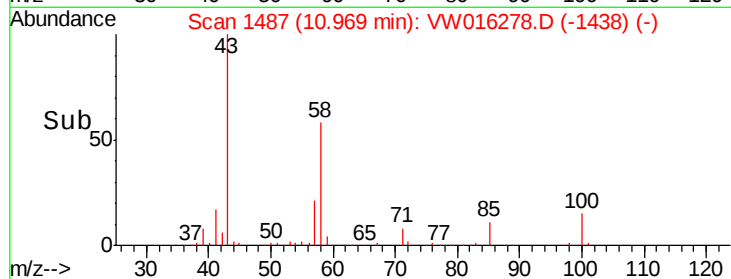
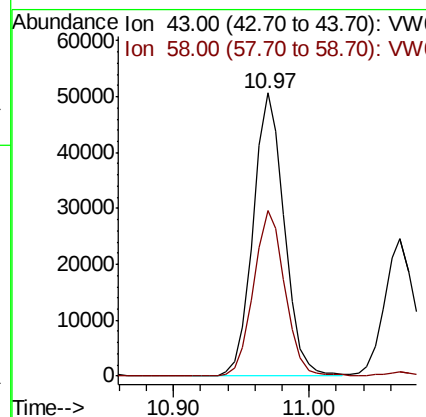
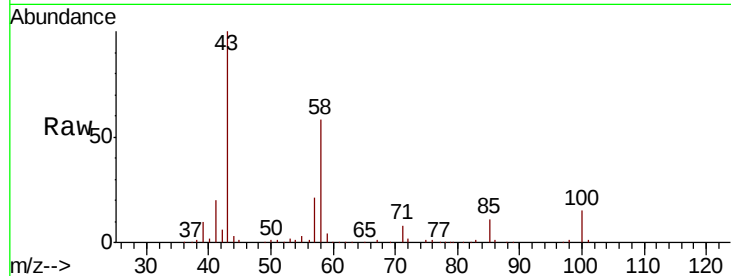




#59
2-Hexanone
Concen: 105.982 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

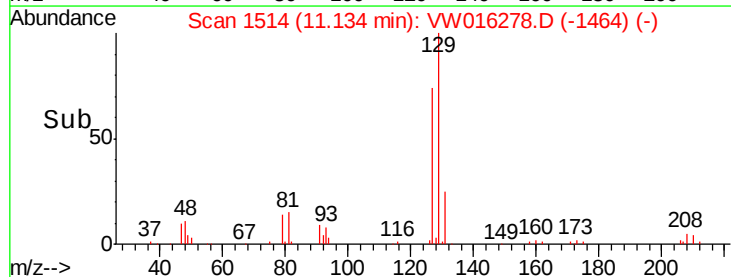
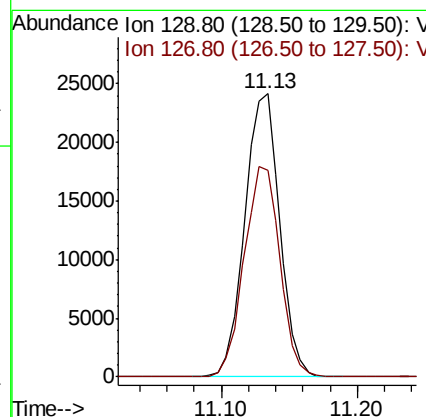
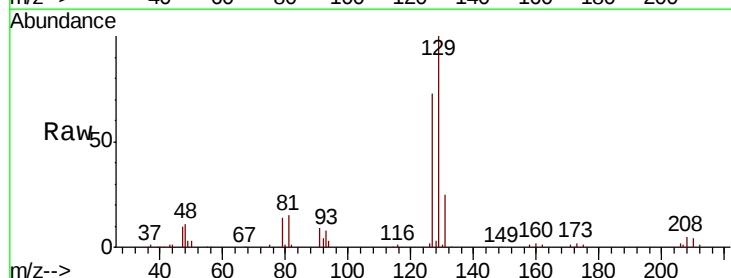
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

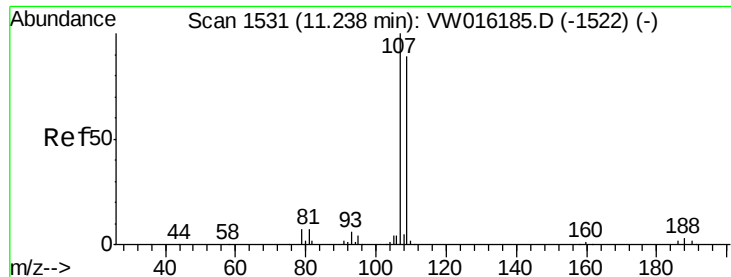
Tot Ion: 43 Resp: 81482
Ion Ratio Lower Upper
43 100
58 58.7 28.8 86.5



#60
Dibromochloromethane
Concen: 21.194 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion: 129 Resp: 43387
Ion Ratio Lower Upper
129 100
127 76.2 38.3 114.8

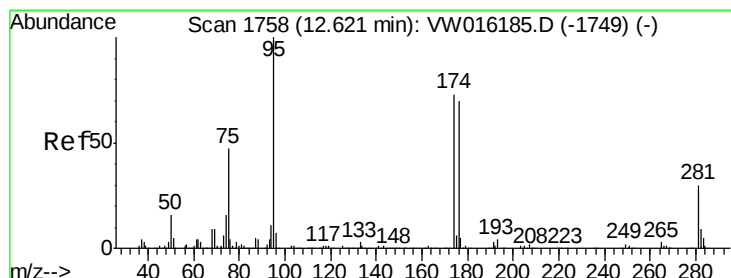
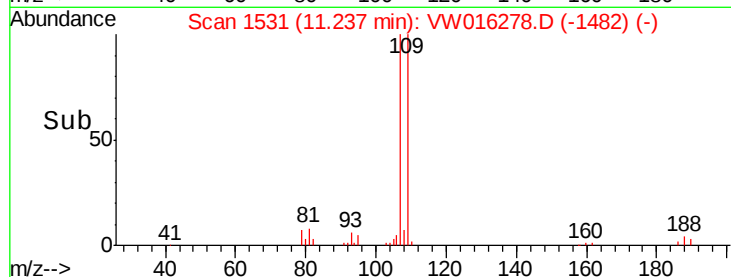
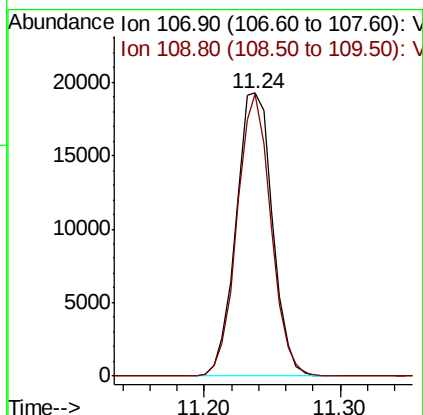
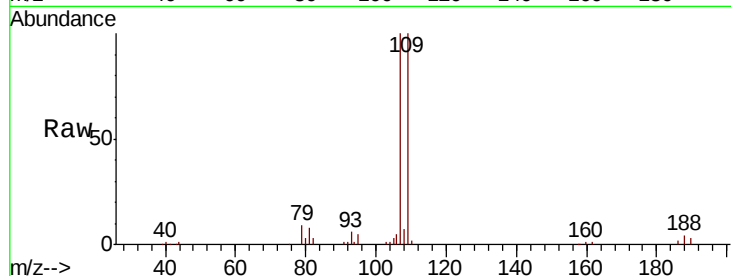




#61
 1,2-Dibromoethane
 Concen: 21.712 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

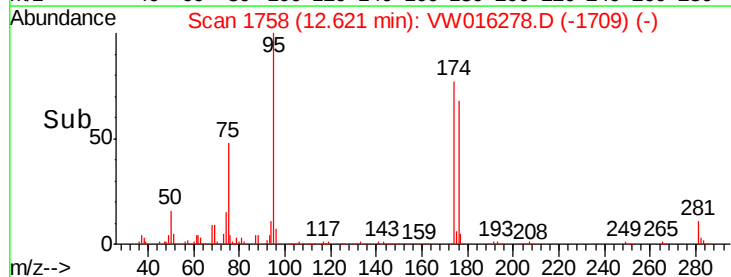
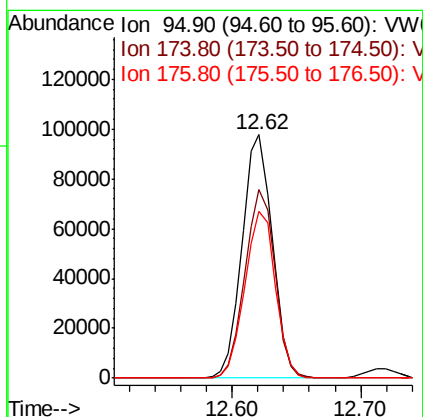
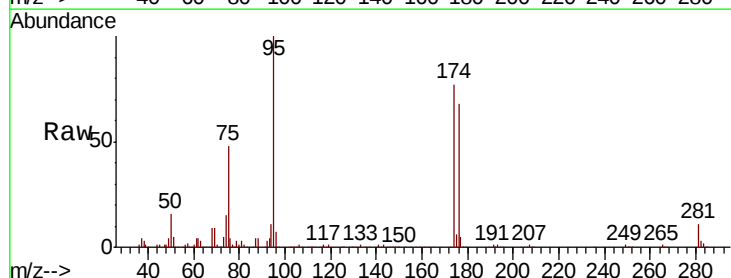
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

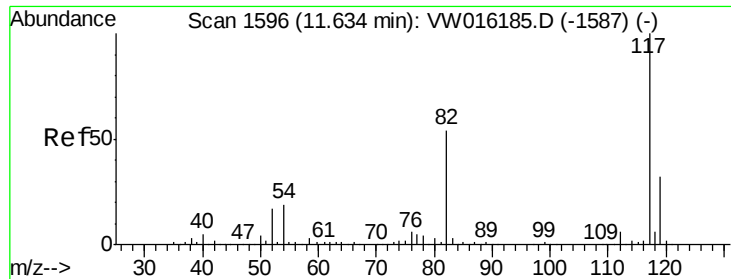
Tot Ion:107 Resp: 35968
 Ion Ratio Lower Upper
 107 100
 109 92.7 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 53.082 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

Tgt Ion: 95 Resp: 158466
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 145.6
 176 69.2 0.0 137.8

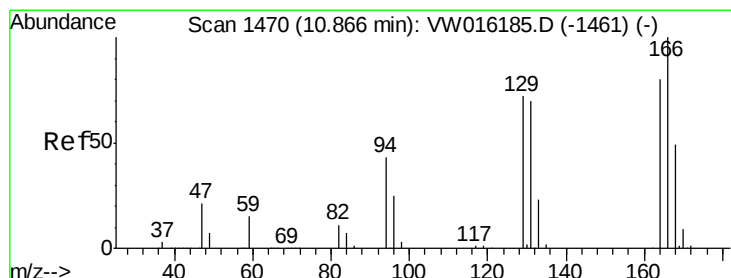
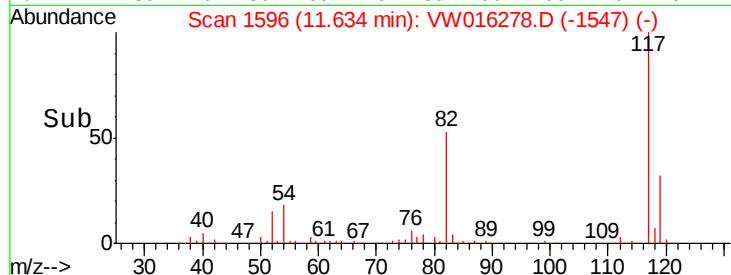
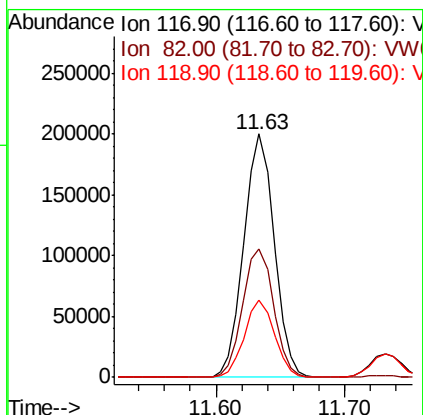
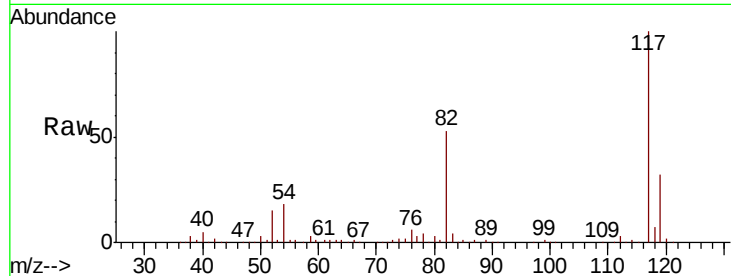




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

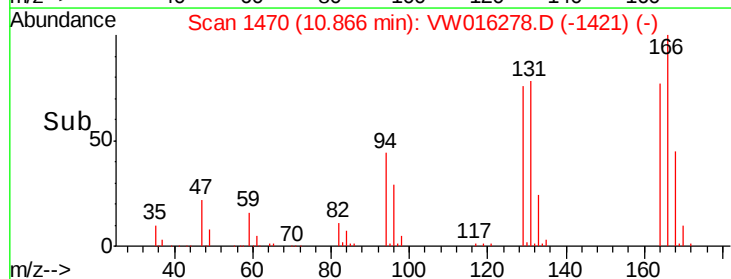
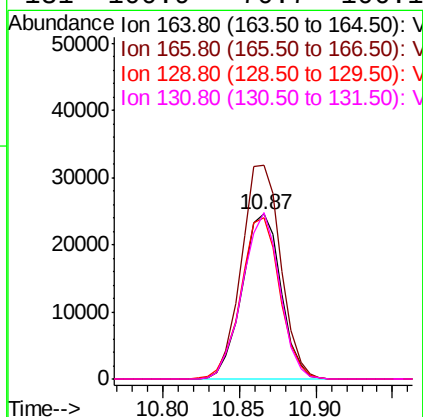
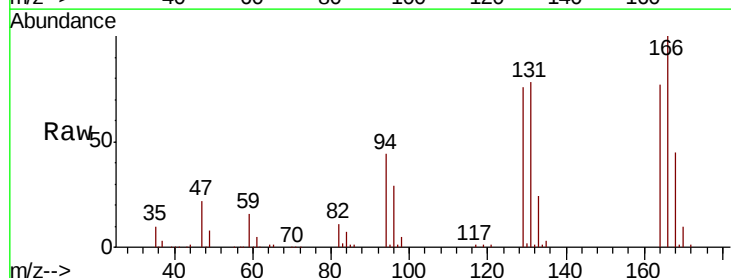
Instrument :
MSVOA_W
ClientSampled :
VW0821SBS01

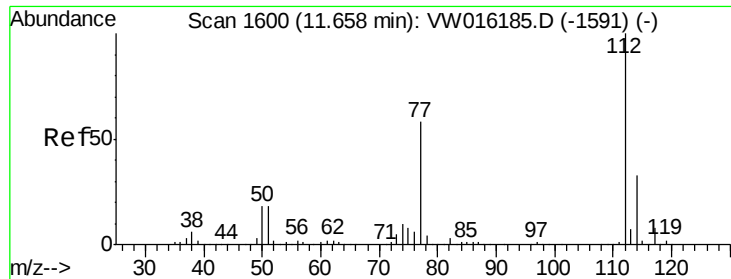
Tot Ion:117 Resp: 326529
Ion Ratio Lower Upper
117 100
82 52.9 43.6 65.4
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 20.232 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion:164 Resp: 43347
Ion Ratio Lower Upper
164 100
166 129.4 100.3 150.5
129 97.7 72.2 108.4
131 100.9 70.7 106.1

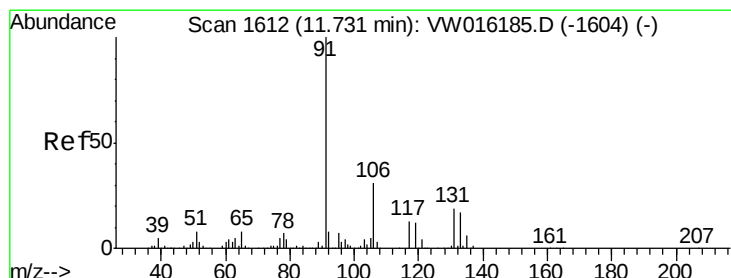
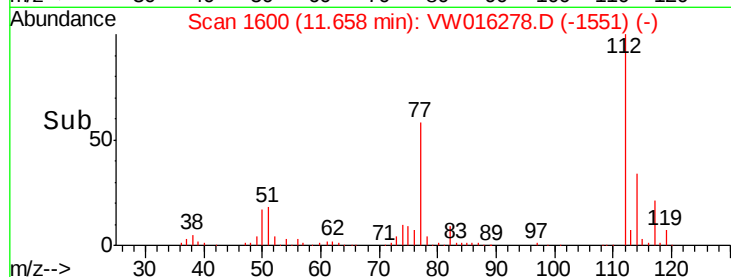
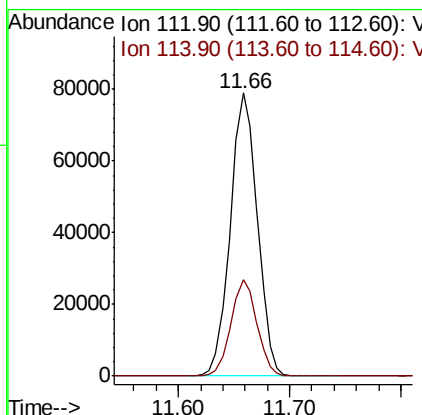
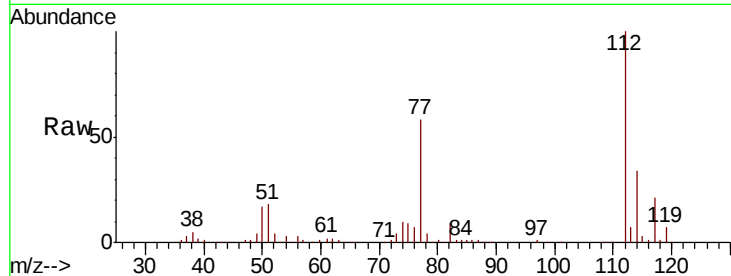




#65
Chlorobenzene
Concen: 19.795 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

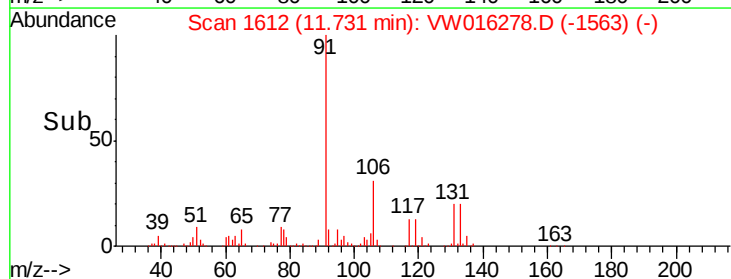
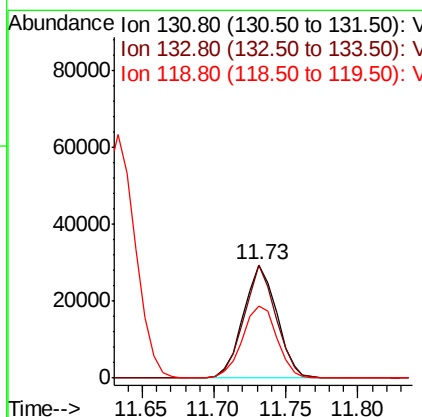
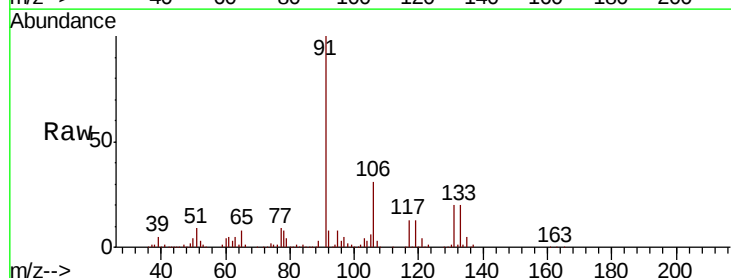
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

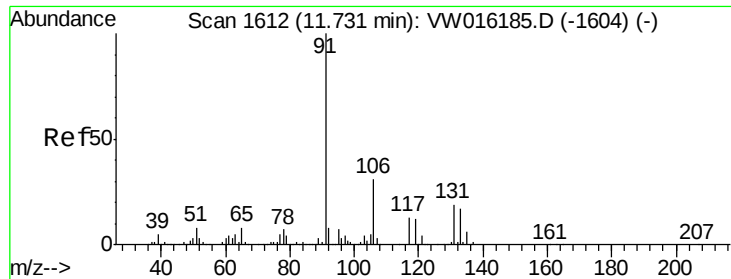
Tot Ion:112 Resp: 132481
Ion Ratio Lower Upper
112 100
114 34.0 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.366 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion:131 Resp: 47643
Ion Ratio Lower Upper
131 100
133 95.2 47.1 141.3
119 65.7 33.1 99.3

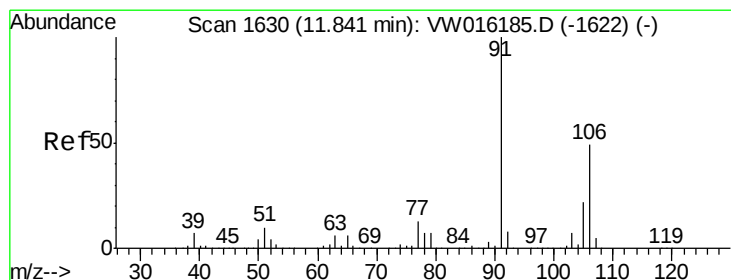
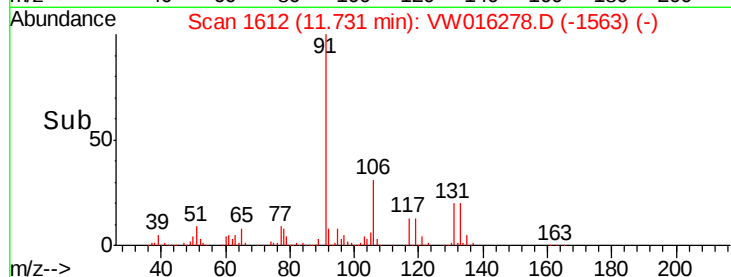
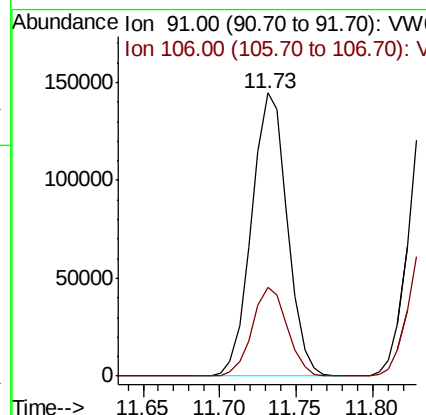
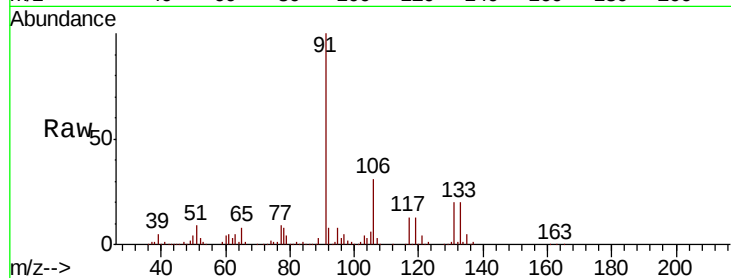




#67
Ethyl Benzene
Concen: 19.521 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

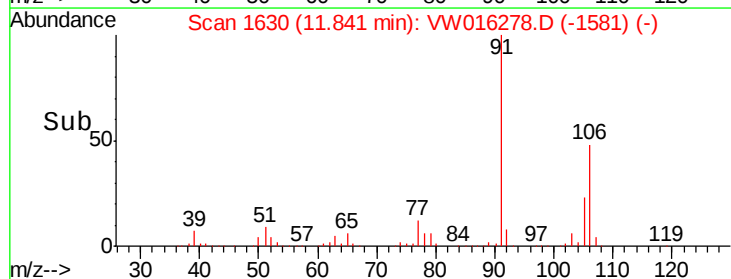
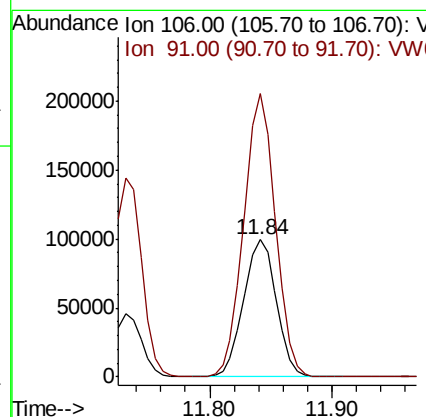
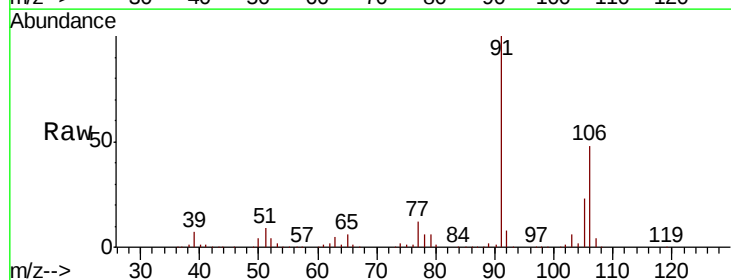
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

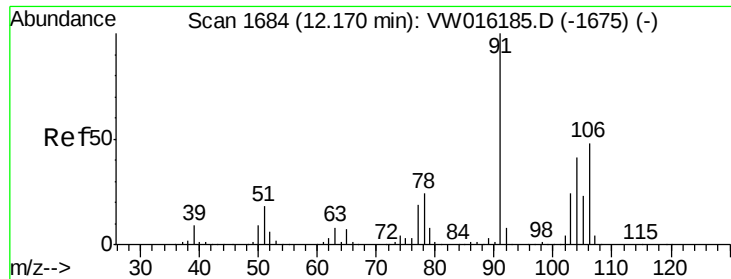
Tot Ion: 91 Resp: 234797
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3



#68
m/p-Xylenes
Concen: 40.008 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion:106 Resp: 184969
Ion Ratio Lower Upper
106 100
91 199.0 161.4 242.2

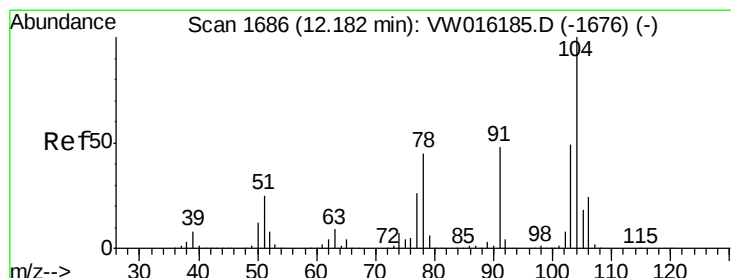
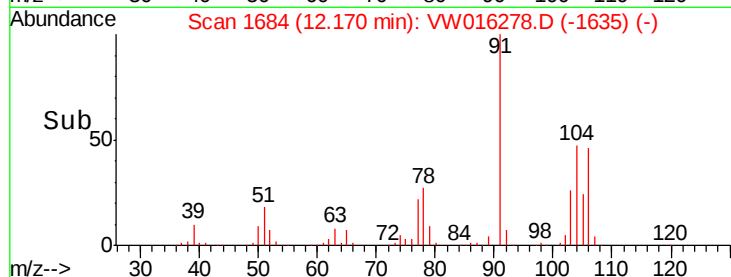
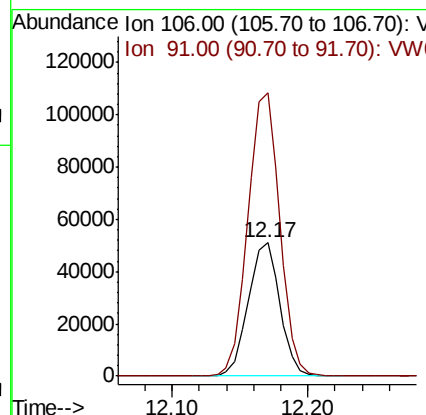
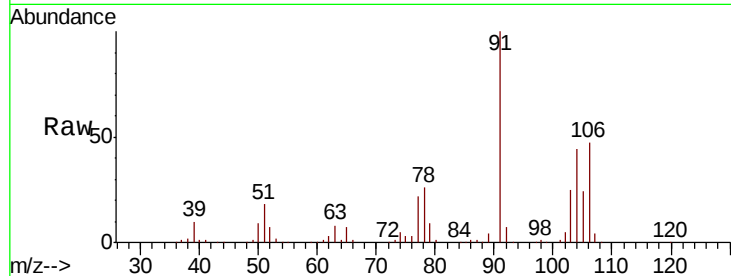




#69
o-Xylene
Concen: 20.152 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

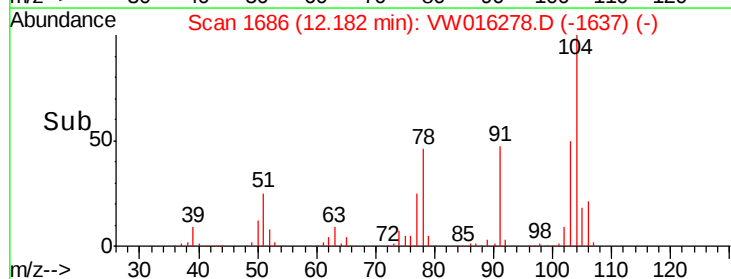
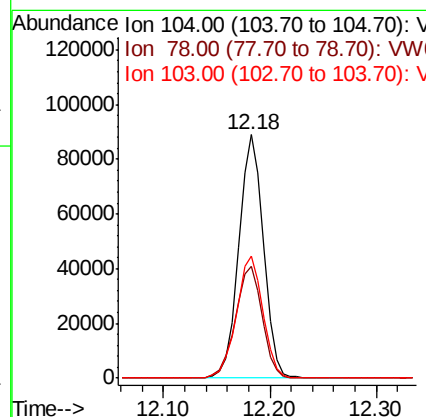
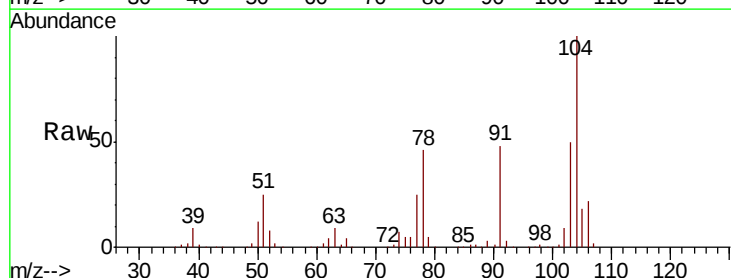
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

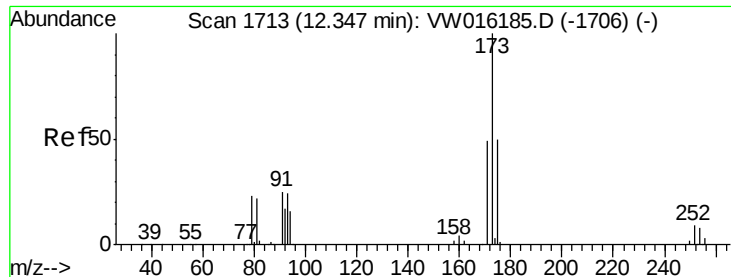
Tot Ion:106 Resp: 83005
Ion Ratio Lower Upper
106 100
91 214.9 106.0 317.9



#70
Styrene
Concen: 20.275 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion:104 Resp: 144509
Ion Ratio Lower Upper
104 100
78 50.0 39.4 59.2
103 53.7 42.9 64.3

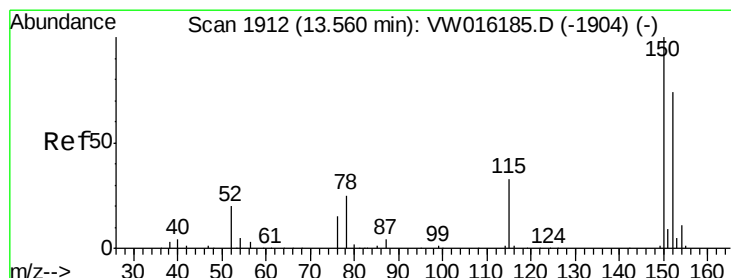
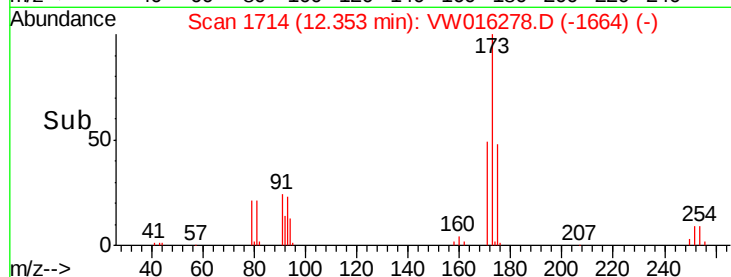
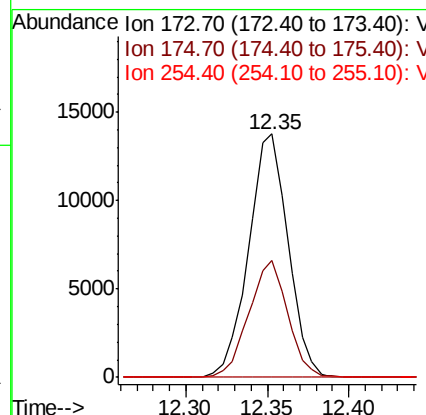
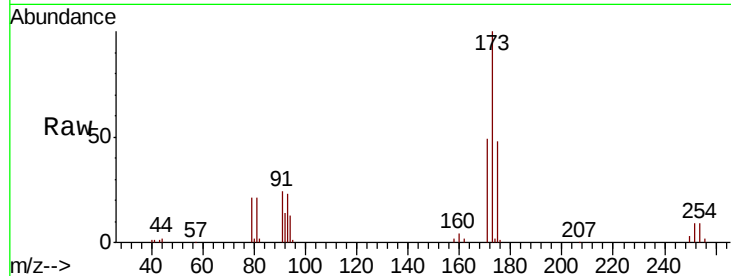




#71
Bromoform
Concen: 22.200 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

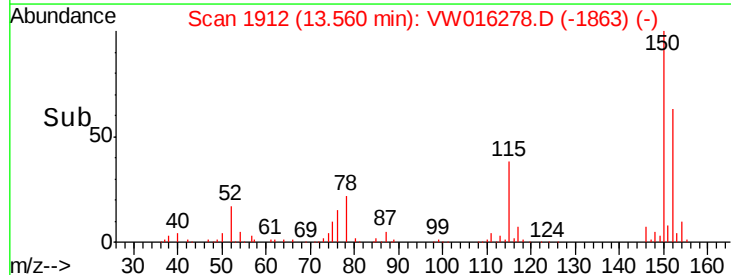
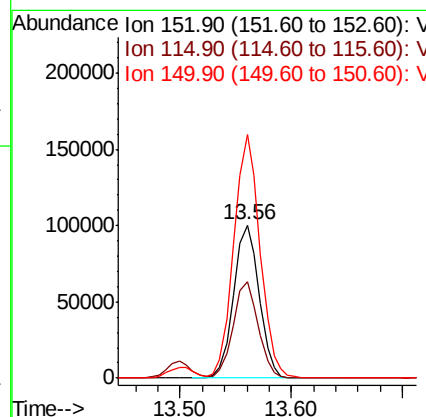
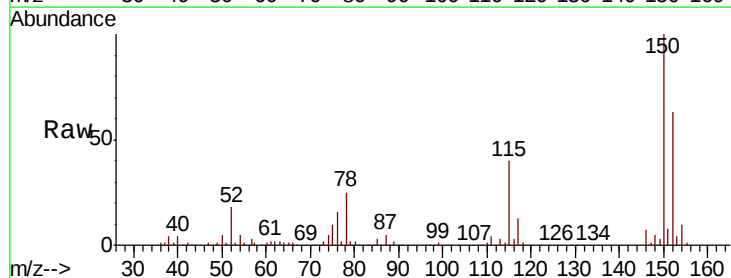
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

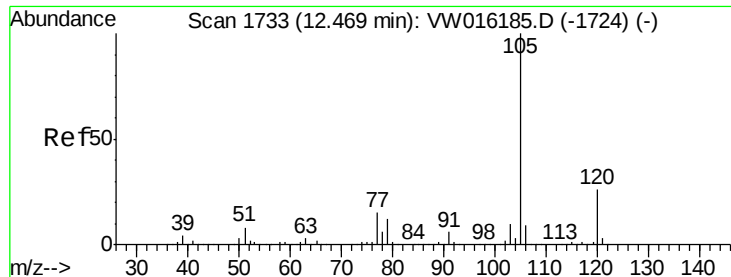
Tot Ion:173 Resp: 23243
Ion Ratio Lower Upper
173 100
175 47.3 24.7 74.1
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion:152 Resp: 158368
Ion Ratio Lower Upper
152 100
115 62.3 30.9 92.5
150 164.3 0.0 337.8





#73

Isopropylbenzene

Concen: 18.731 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

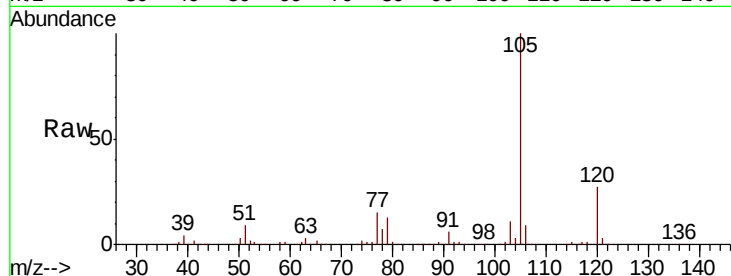
VW0821SBS01

Tot Ion: 105 Resp: 226045

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

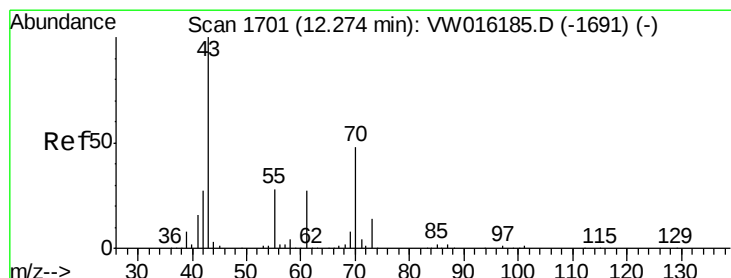
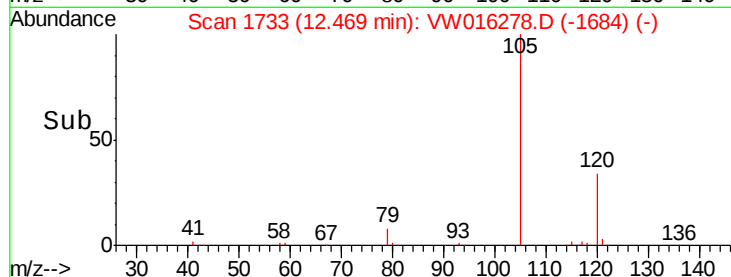
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.098 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Tgt Ion: 43 Resp: 41275

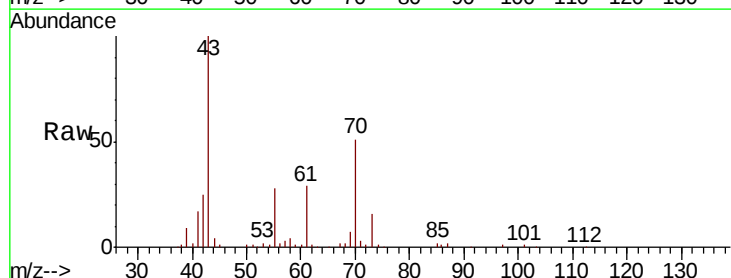
Ion Ratio Lower Upper

43 100

70 49.2 38.6 58.0

55 27.9 22.2 33.2

61 27.7 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

40000

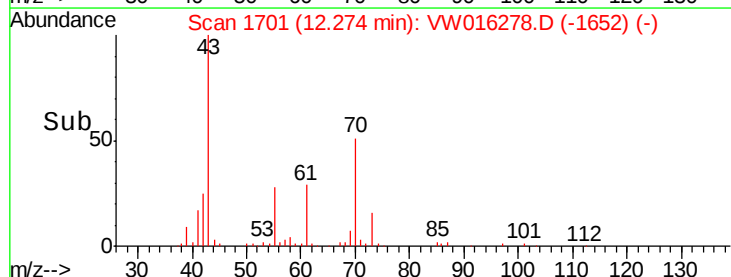
30000

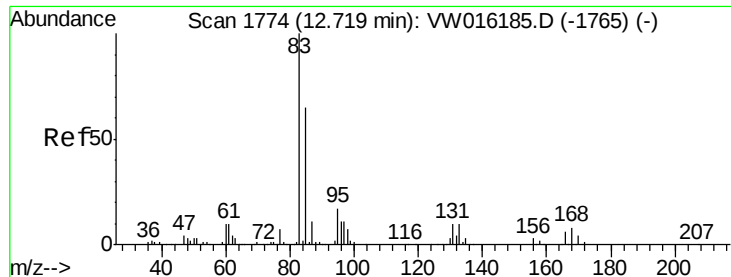
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.475 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

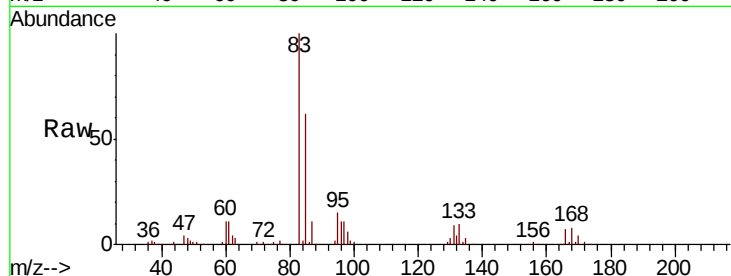
Tot Ion: 83 Resp: 41347

Ion Ratio Lower Upper

83 100

131 10.7 5.6 16.8

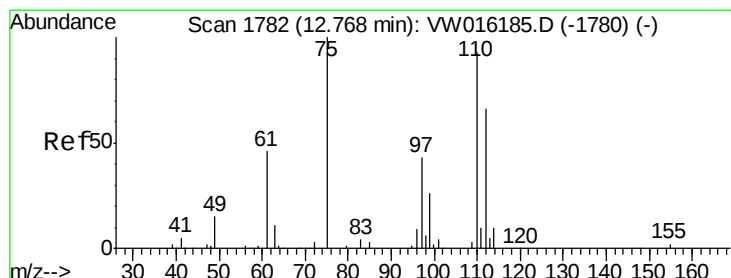
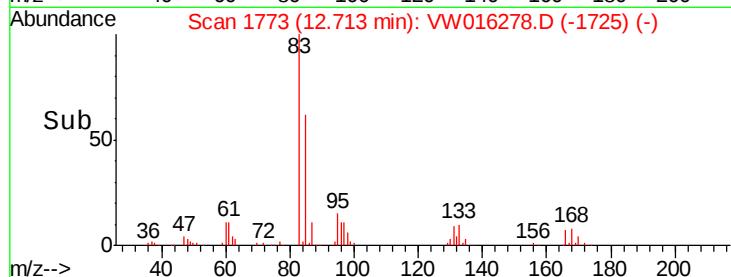
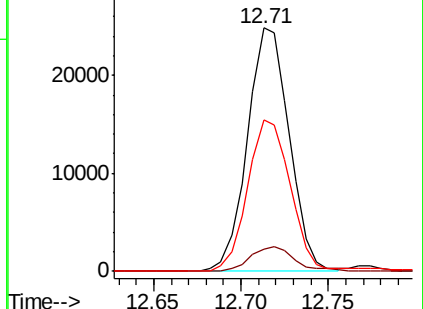
85 63.2 31.3 93.9



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: 34.284 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016278.D

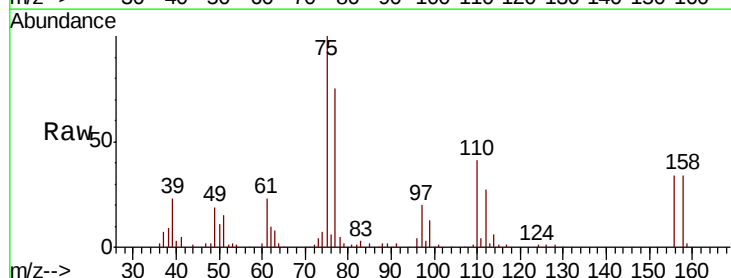
Acq: 20 Aug 2020 23:05

Tgt Ion: 75 Resp: 49933

Ion Ratio Lower Upper

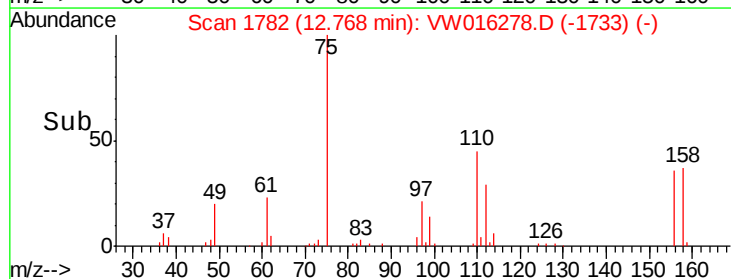
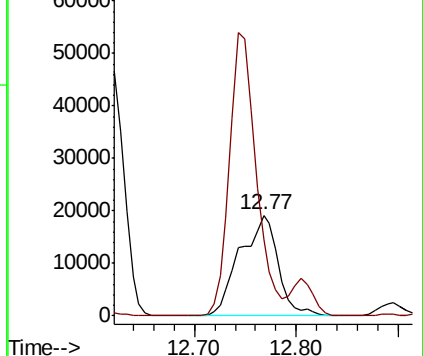
75 100

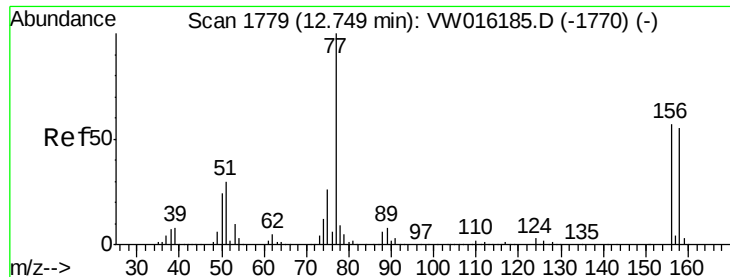
77 0.0 173.6 520.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.696 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

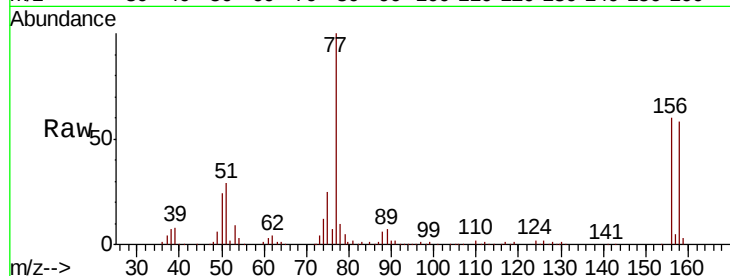
Tot Ion:156 Resp: 52573

Ion Ratio Lower Upper

156 100

77 186.4 97.9 293.6

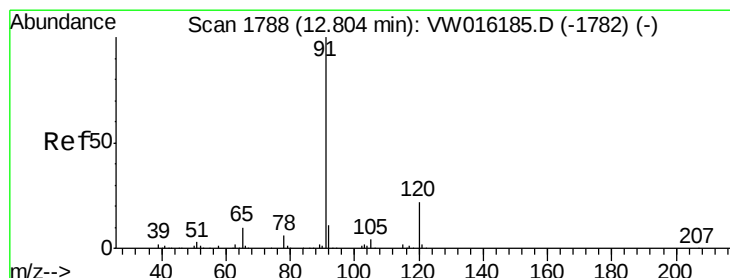
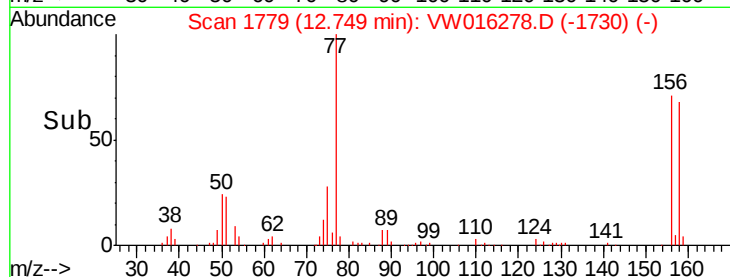
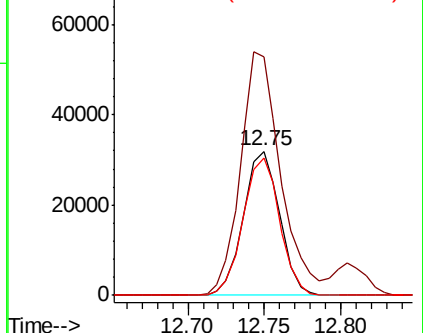
158 96.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.925 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW016278.D

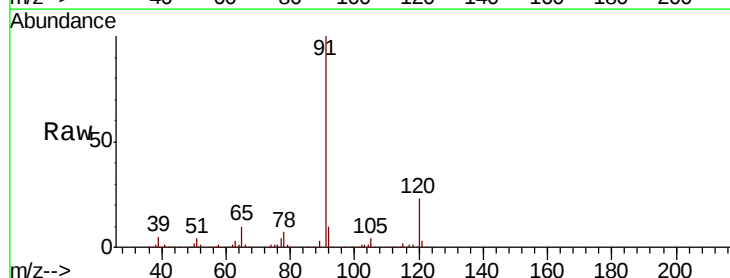
Acq: 20 Aug 2020 23:05

Tgt Ion: 91 Resp: 272607

Ion Ratio Lower Upper

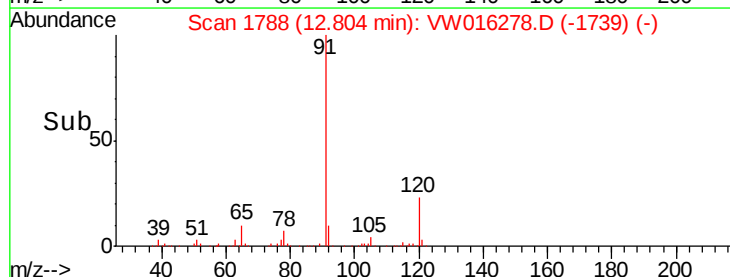
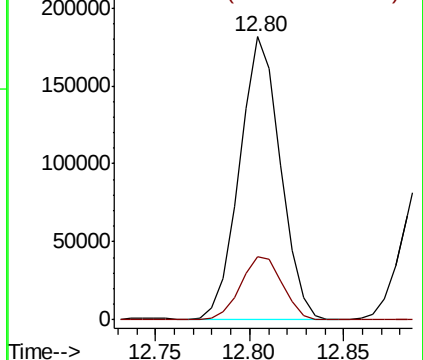
91 100

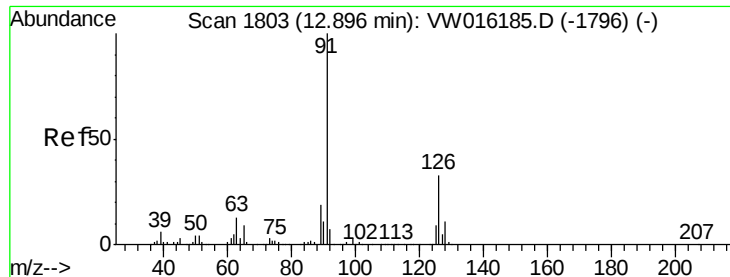
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.464 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

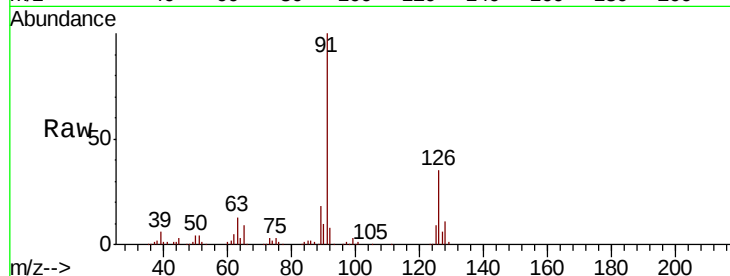
VW0821SBS01

Tot Ion: 91 Resp: 161963

Ion Ratio Lower Upper

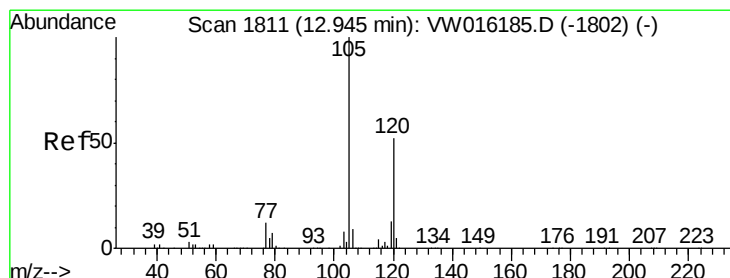
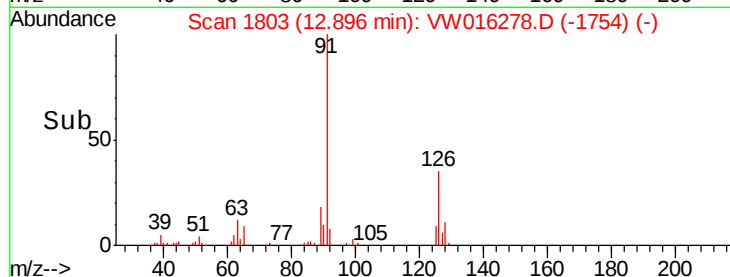
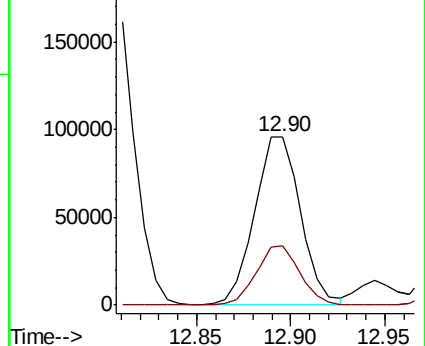
91 100

126 33.5 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.707 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW016278.D

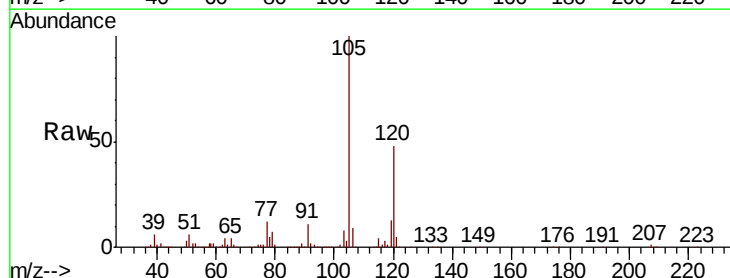
Acq: 20 Aug 2020 23:05

Tgt Ion:105 Resp: 204156

Ion Ratio Lower Upper

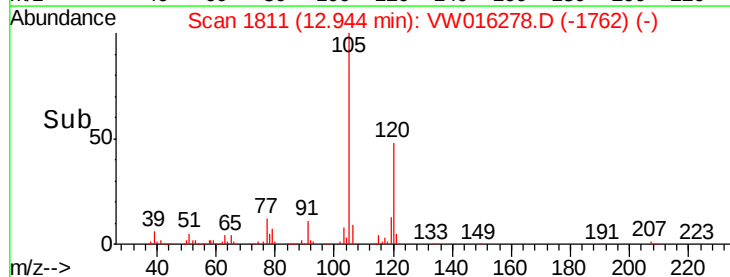
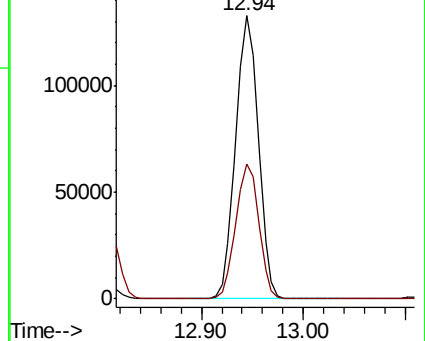
105 100

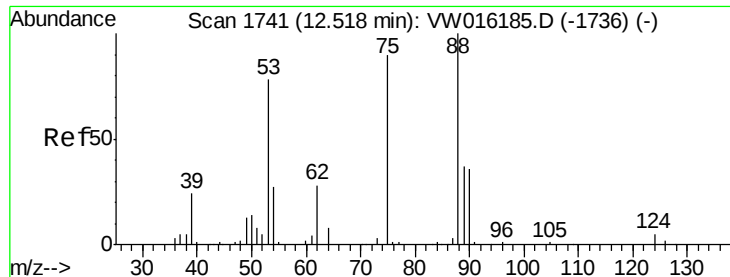
120 48.3 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.381 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

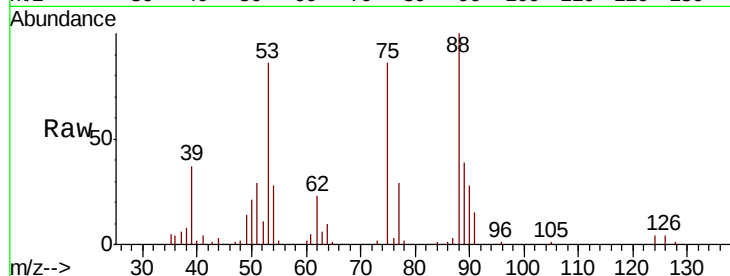
Tot Ion: 75 Resp: 11161

Ion Ratio Lower Upper

75 100

53 96.1 74.6 111.8

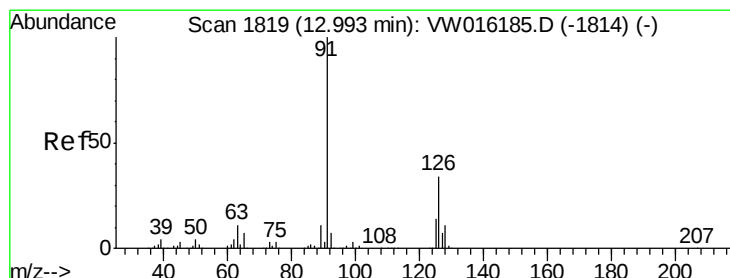
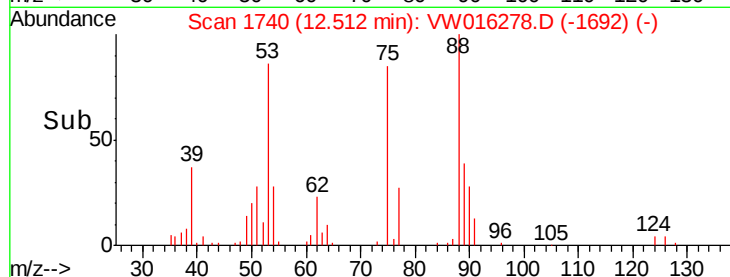
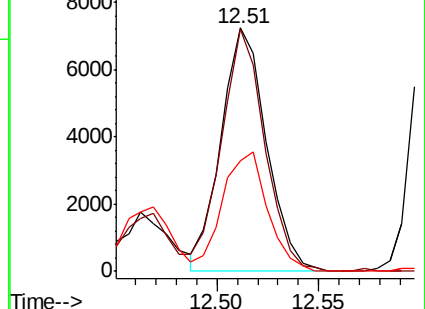
89 48.9 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 19.374 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW016278.D

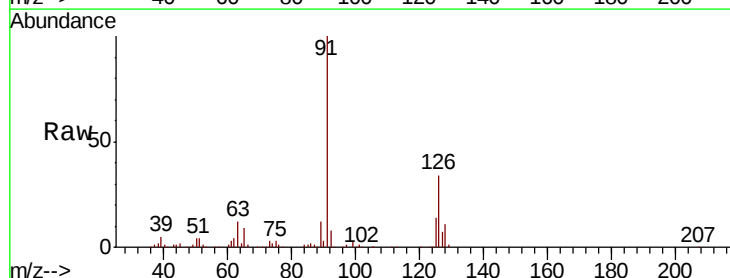
Acq: 20 Aug 2020 23:05

Tgt Ion: 91 Resp: 167835

Ion Ratio Lower Upper

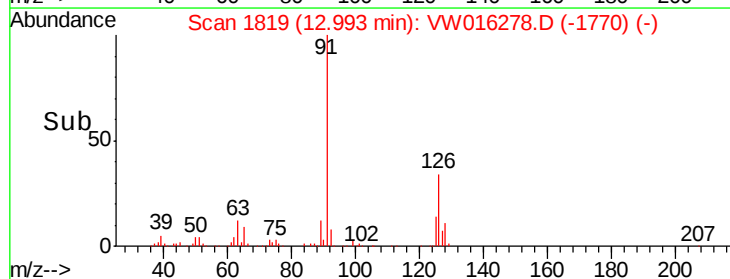
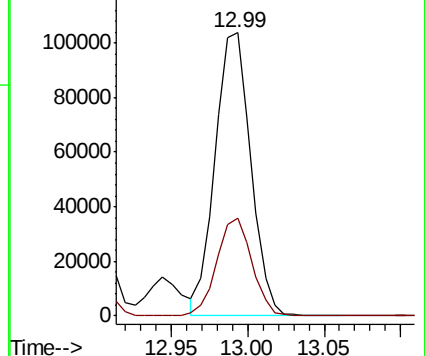
91 100

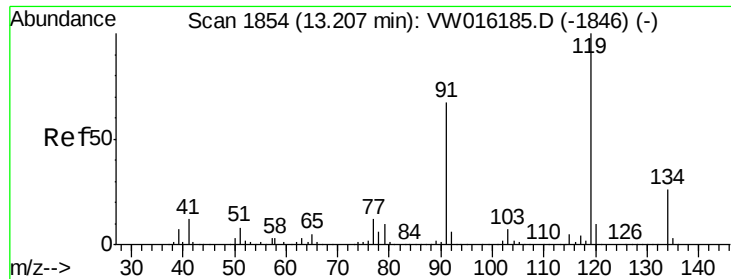
126 34.0 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

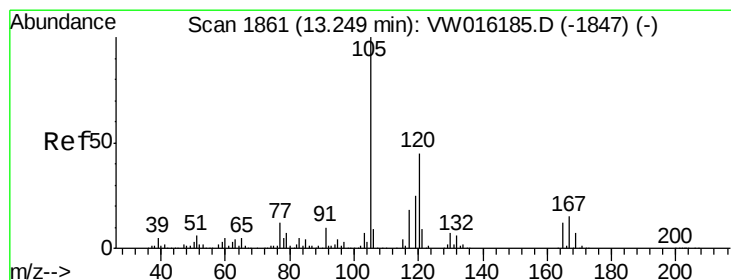
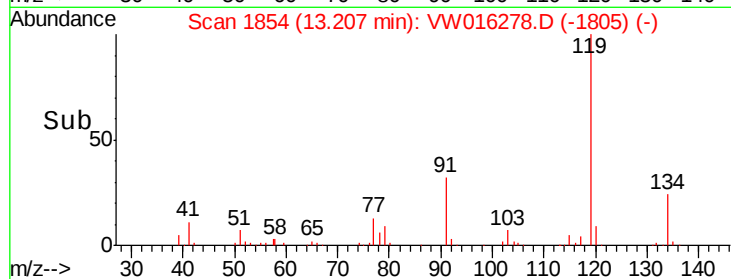
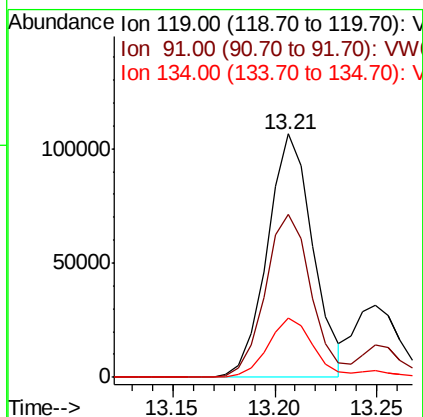
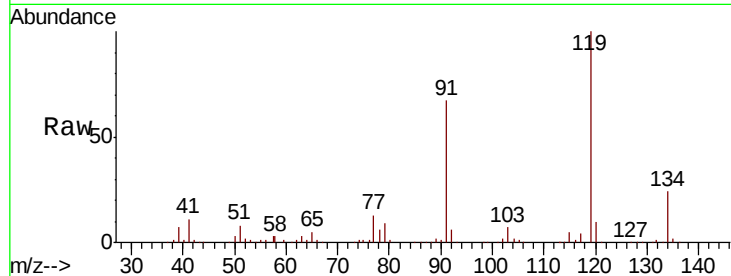




#83
tert-Butylbenzene
Concen: 19.519 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

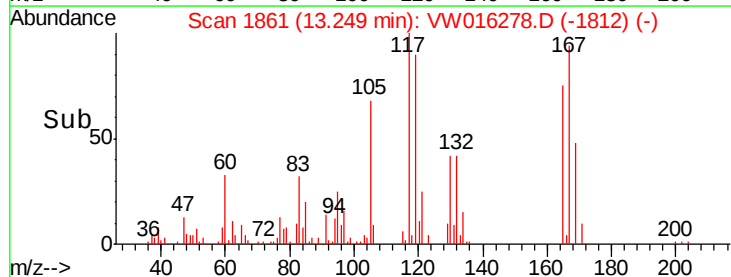
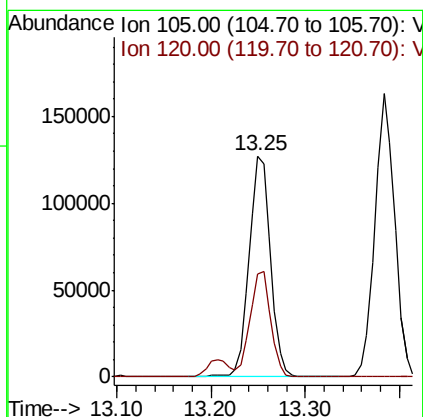
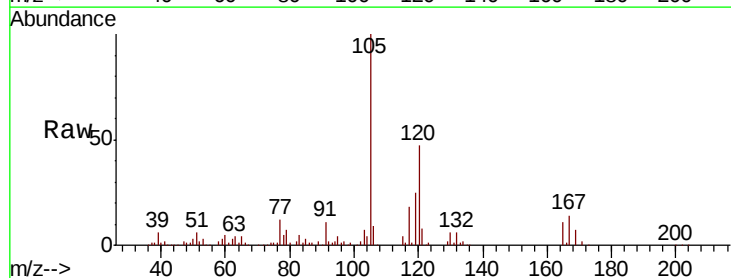
Instrument :
MSVOA_W
ClientSampled :
VW0821SBS01

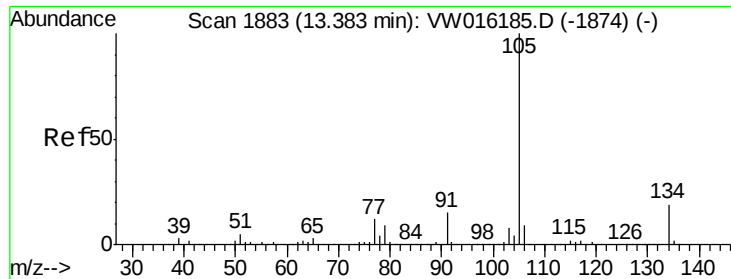
Tot Ion:119 Resp: 165725
Ion Ratio Lower Upper
119 100
91 68.3 33.3 99.9
134 24.1 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 19.774 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion:105 Resp: 202714
Ion Ratio Lower Upper
105 100
120 46.1 22.2 66.6

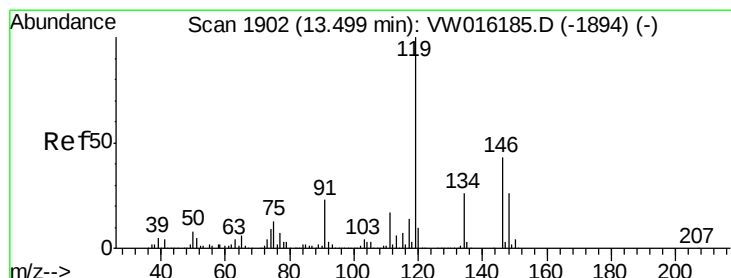
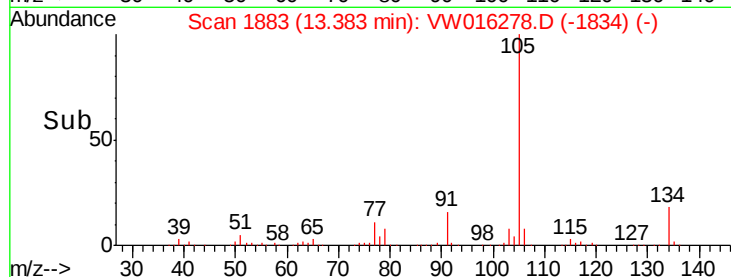
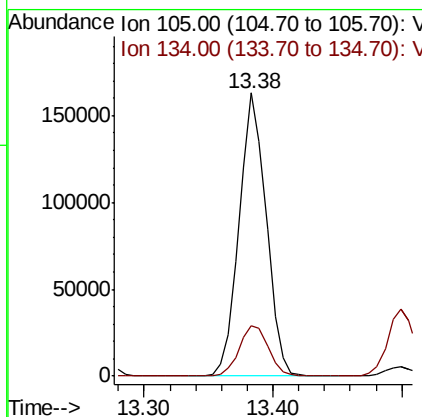
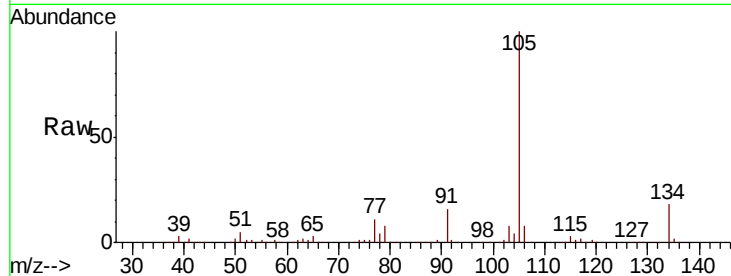




#85
 sec-Butylbenzene
 Concen: 19.267 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

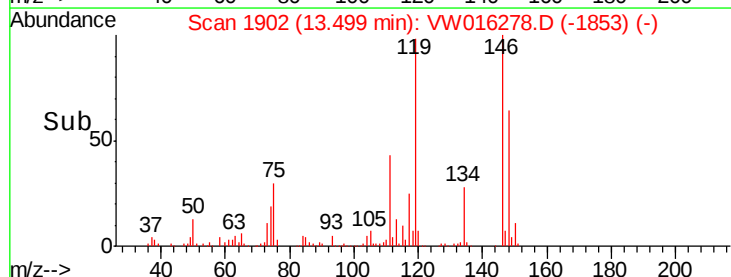
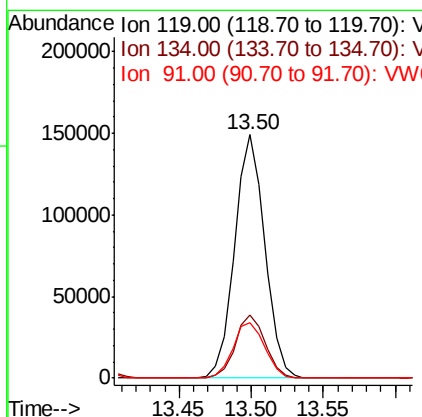
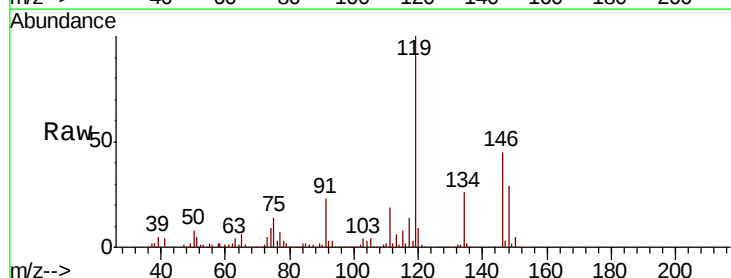
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

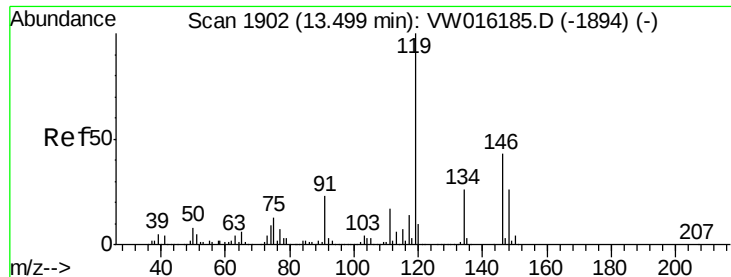
Tot Ion:105 Resp: 237754
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 19.458 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

Tgt Ion:119 Resp: 217176
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.4
 91 24.2 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 19.694 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

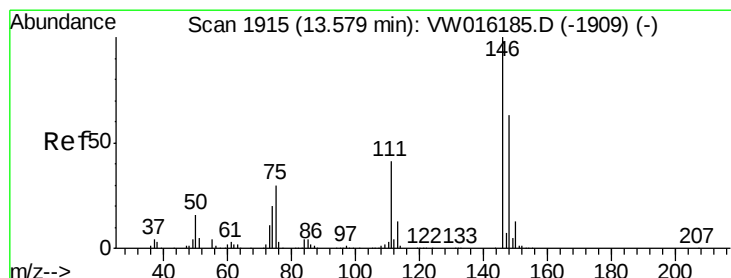
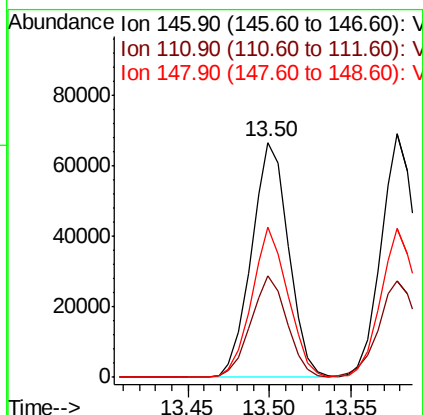
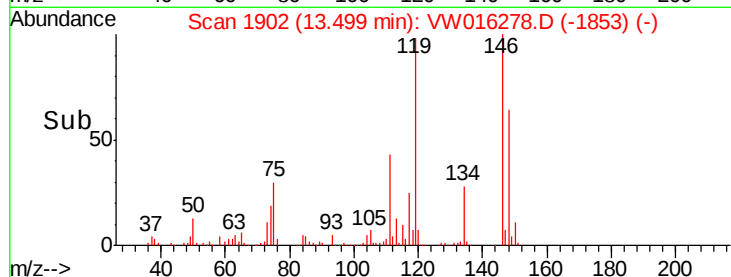
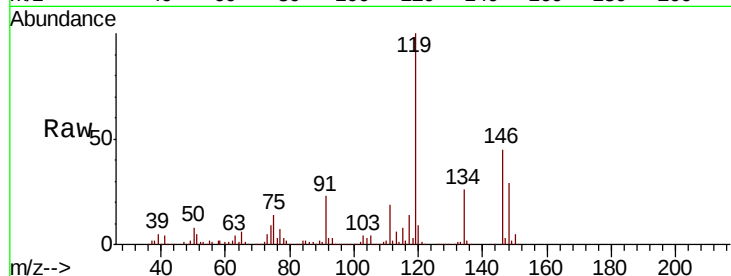
Tot Ion:146 Resp: 105280

Ion Ratio Lower Upper

146 100

111 42.4 20.8 62.5

148 62.6 31.1 93.5



#88

1,4-Dichlorobenzene

Concen: 19.931 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

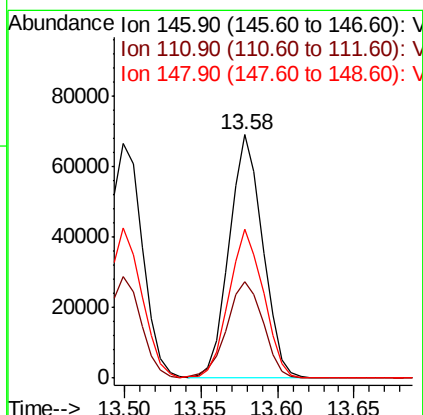
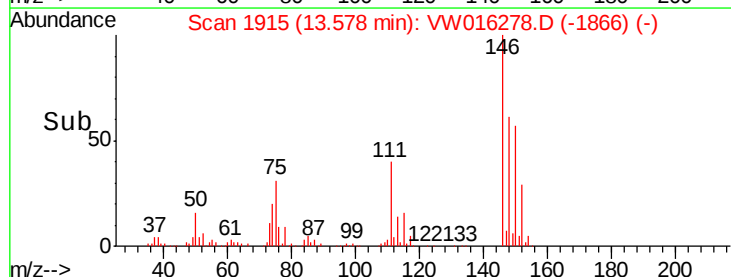
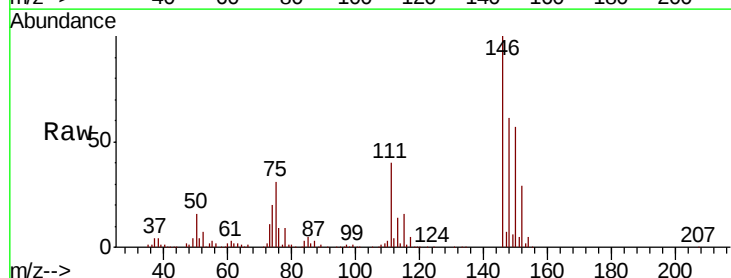
Tgt Ion:146 Resp: 104916

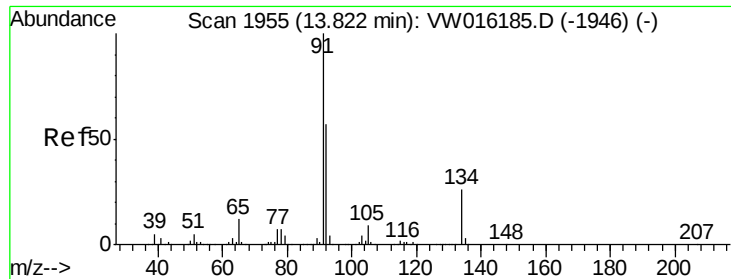
Ion Ratio Lower Upper

146 100

111 42.8 20.8 62.2

148 63.1 32.1 96.3





#89

n-Butylbenzene

Concen: 18.767 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

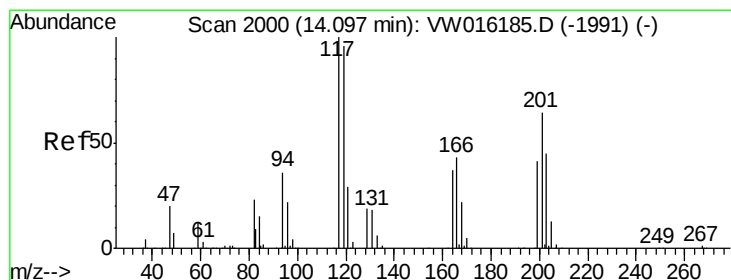
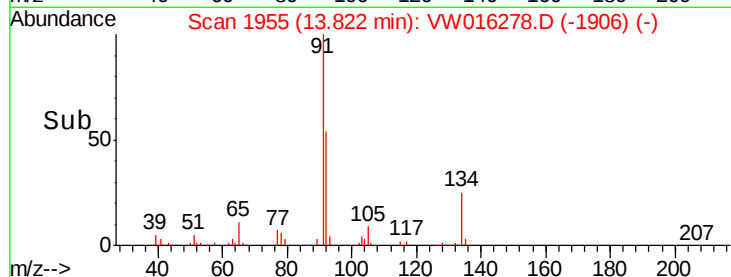
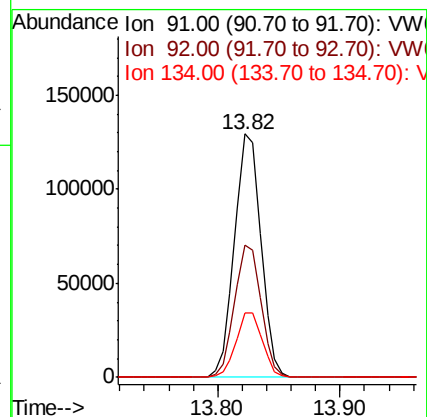
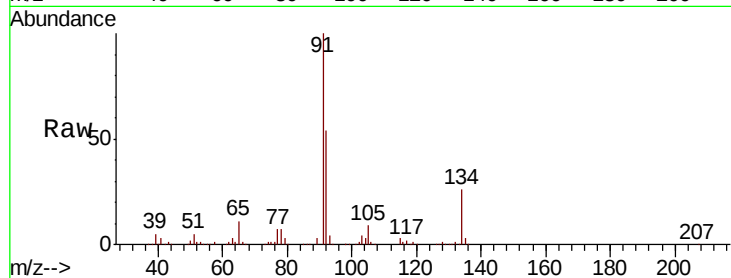
Tot Ion: 91 Resp: 193778

Ion Ratio Lower Upper

91 100

92 54.2 27.4 82.2

134 26.6 13.0 39.0



#90

Hexachloroethane

Concen: 19.678 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW016278.D

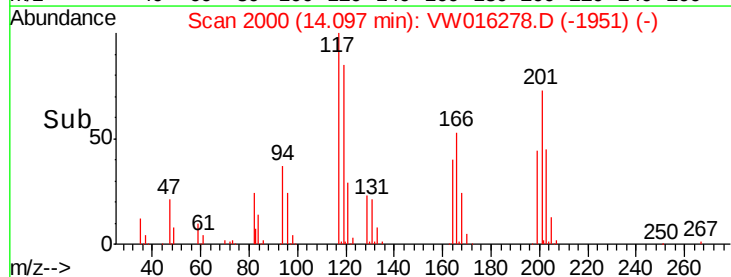
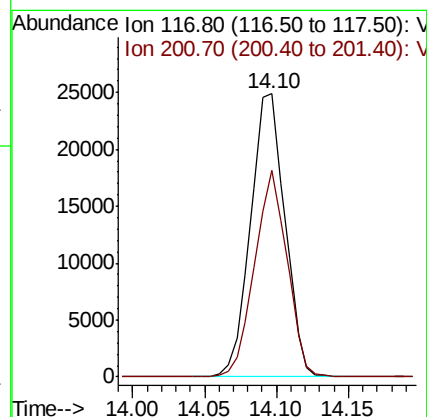
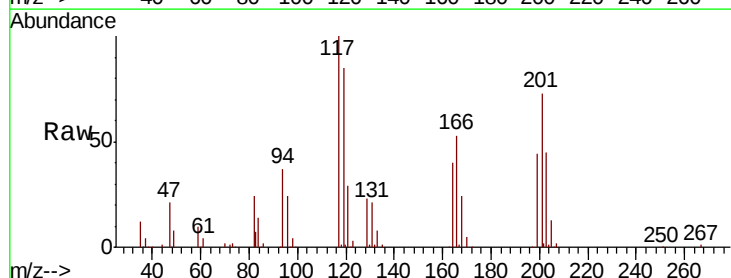
Acq: 20 Aug 2020 23:05

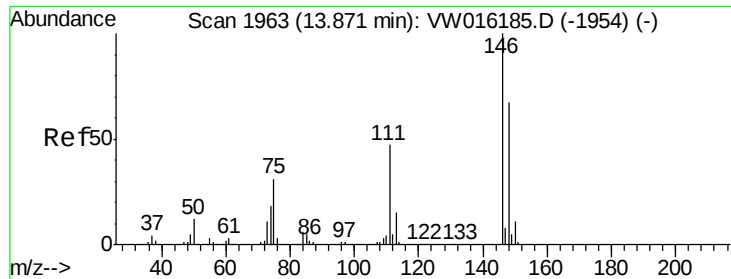
Tgt Ion: 117 Resp: 40988

Ion Ratio Lower Upper

117 100

201 68.8 33.8 101.3





#91

1,2-Dichlorobenzene

Concen: 20.560 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

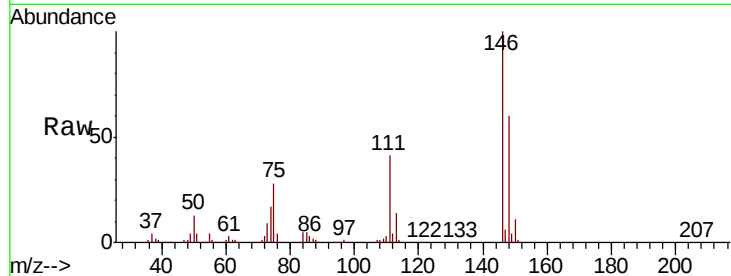
Tot Ion:146 Resp: 95820

Ion Ratio Lower Upper

146 100

111 42.7 21.9 65.8

148 62.4 32.1 96.3

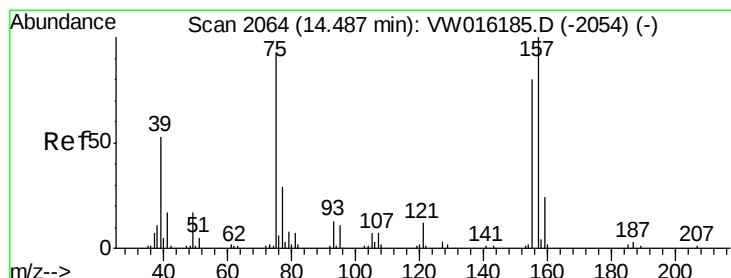
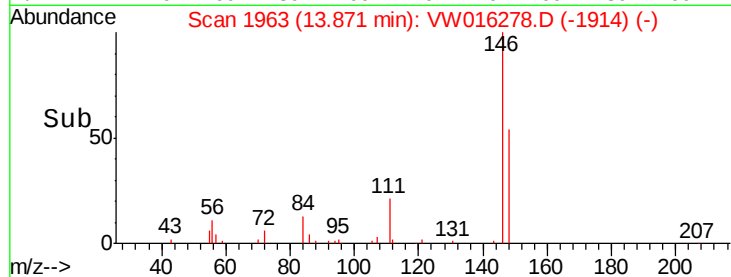
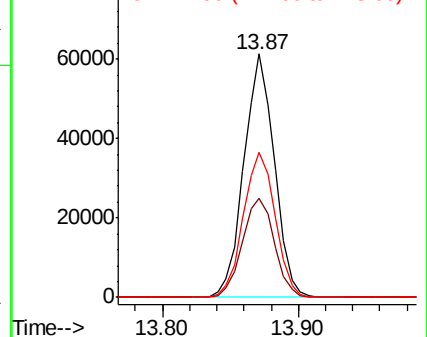


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.180 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016278.D

Acq: 20 Aug 2020 23:05

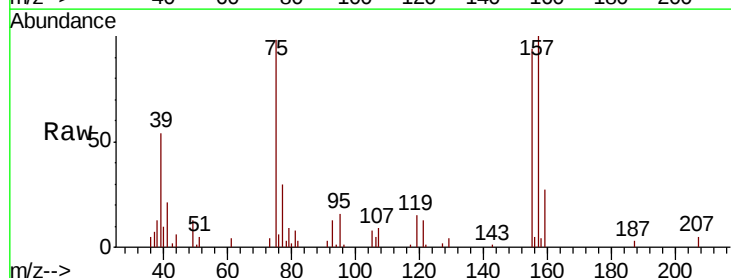
Tgt Ion: 75 Resp: 6885

Ion Ratio Lower Upper

75 100

155 84.3 41.3 124.1

157 102.8 53.0 159.0

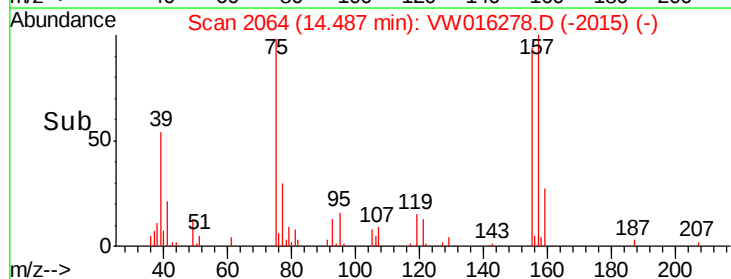
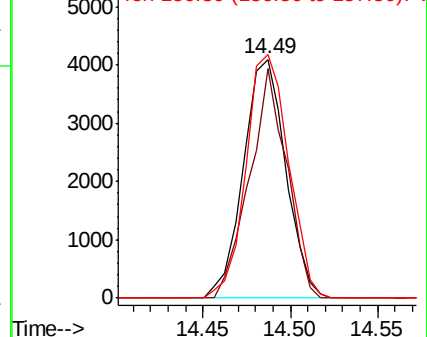


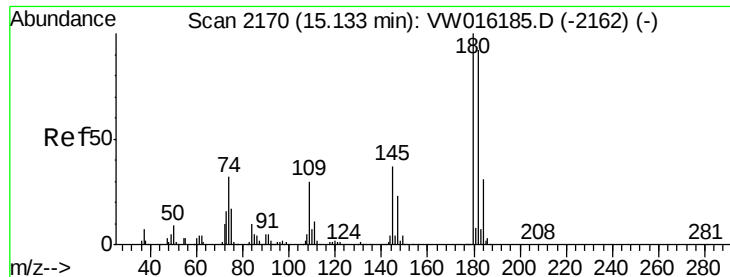
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

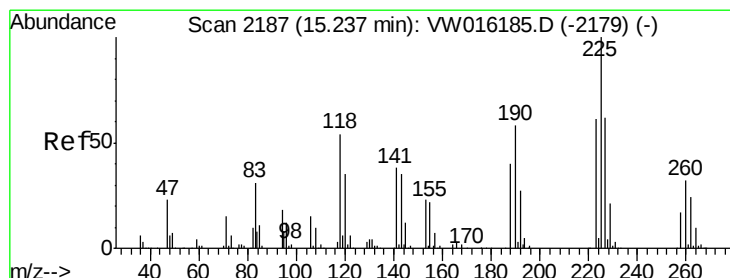
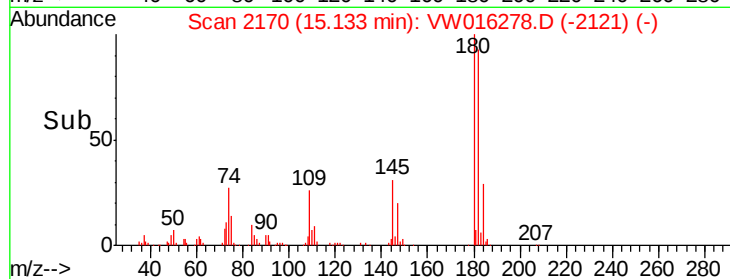
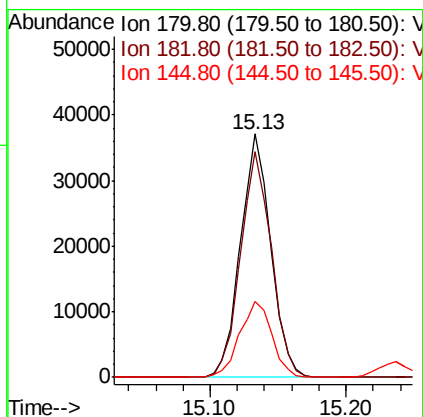
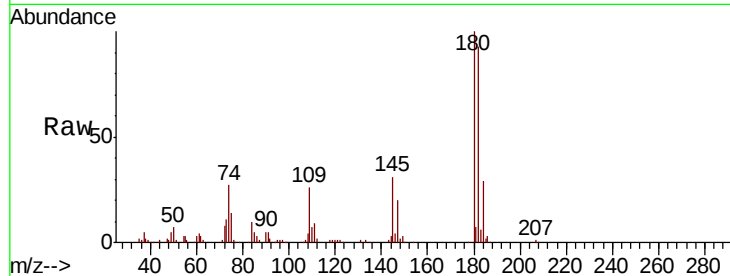




#93
 1,2,4-Trichlorobenzene
 Concen: 20.760 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

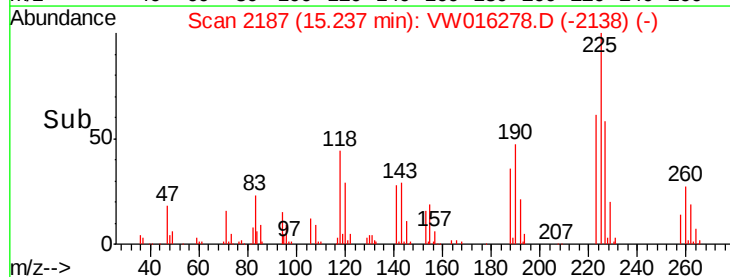
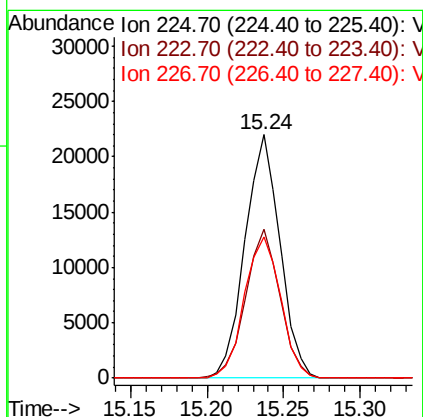
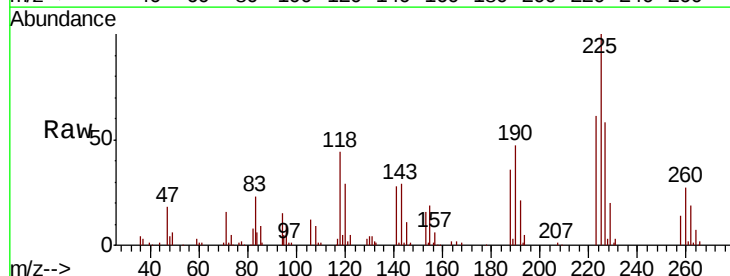
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

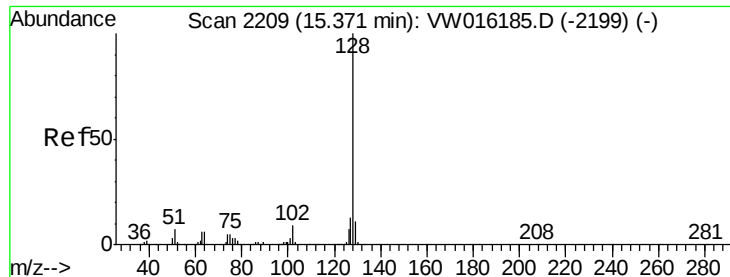
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.0	138.0
145	33.2	16.9	50.7



#94
 Hexachlorobutadiene
 Concen: 21.172 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW016278.D
 Acq: 20 Aug 2020 23:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	33.0	99.0
227	60.2	32.0	96.2

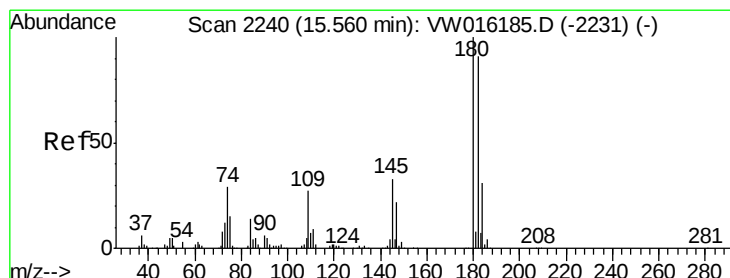
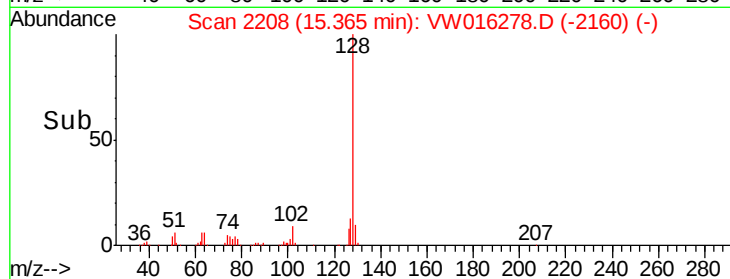
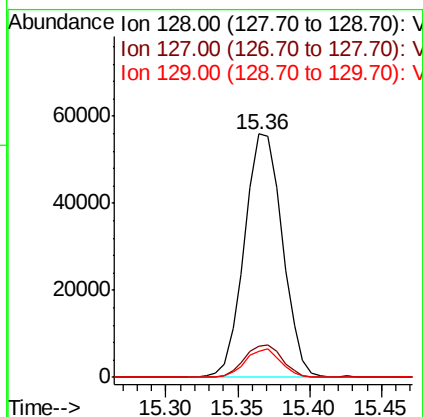
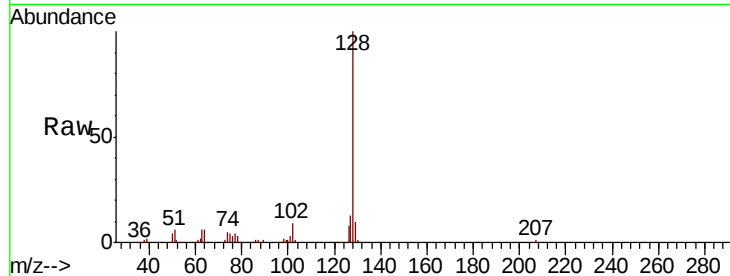




#95
Naphthalene
Concen: 19.899 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

Tot Ion:128 Resp: 102441
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.930 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW016278.D
Acq: 20 Aug 2020 23:05

Tgt Ion:180 Resp: 49954
Ion Ratio Lower Upper
180 100
182 97.2 47.7 143.1
145 36.1 17.4 52.3

