

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008579.D
 Acq On : 08 Feb 2019 17:28
 Operator : SY/VA
 Sample : K1349-01
 Misc : 7.03G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-020719-A

Quant Time: Feb 09 00:28:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	10793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	15581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	12058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	2472	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	5518	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
35) Dibromofluoromethane	7.88	113	5057	55.51	ug/l	0.00
Spiked Amount			Recovery	=	111.02%	
50) Toluene-d8	10.33	98	17590	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.62	95	4587	32.66	ug/l	0.00
Spiked Amount			Recovery	=	65.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	38	3.822	ug/l #	41
3) Chloromethane	2.22	50	497	5.641	ug/l #	56
5) Bromomethane	2.79	94	126	1.742	ug/l #	43
6) Chloroethane	2.90	64	110	1.604	ug/l #	44
7) Trichlorofluoromethane	3.18	101	53	5.217	ug/l #	17
11) Tert butyl alcohol	5.17	59	95	11.128	ug/l #	70
12) 1,1-Dichloroethene	4.04	96	410	4.150	ug/l #	1
13) Acrolein	3.89	56	241	35.647	ug/l #	14
14) Allyl chloride	4.67	41	436	2.324	ug/l #	68
15) Acrylonitrile	5.38	53	84	3.614	ug/l #	2
16) Acetone	4.11	43	1260	52.917	ug/l #	74
18) Methyl Acetate	4.66	43	139	2.189	ug/l #	1
20) Methylene Chloride	4.93	84	1578	14.379	ug/l #	74
21) trans-1,2-Dichloroethene	5.41	96	160	1.441	ug/l #	1
22) Diisopropyl ether	6.31	45	552	1.553	ug/l #	38
23) Vinyl Acetate	6.27	43	311	1.481	ug/l #	73
25) 2-Butanone	7.15	43	326	9.857	ug/l #	50
26) 2,2-Dichloropropane	7.12	77	464	3.411	ug/l #	71
27) cis-1,2-Dichloroethene	7.15	96	192	1.586	ug/l	47
29) Tetrahydrofuran	7.54	42	222	10.592	ug/l #	73
31) Cyclohexane	7.93	56	431	2.071	ug/l #	43
37) Ethyl Acetate	7.26	43	215	3.302	ug/l #	52
39) Methylcyclohexane	9.34	83	636	3.289	ug/l #	82
41) Methacrylonitrile	7.48	41	264	6.847	ug/l #	43
43) Isopropyl Acetate	8.43	43	262	1.937	ug/l #	54
45) 1,2-Dichloropropane	9.38	63	134	1.316	ug/l #	18
46) Dibromomethane	9.45	93	59	1.126	ug/l #	27
48) Methyl methacrylate	9.45	41	476	7.196	ug/l #	60
49) 1,4-Dioxane	9.43	88	22	24.850	ug/l #	23
51) 4-Methyl-2-Pentanone	10.20	43	248	3.711	ug/l	94
52) Toluene	10.38	92	6321	23.446	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	538	7.406	ug/l #	15
56) Ethyl methacrylate	10.69	69	266	2.613	ug/l #	1
59) 2-Hexanone	10.98	43	183	3.879	ug/l	66

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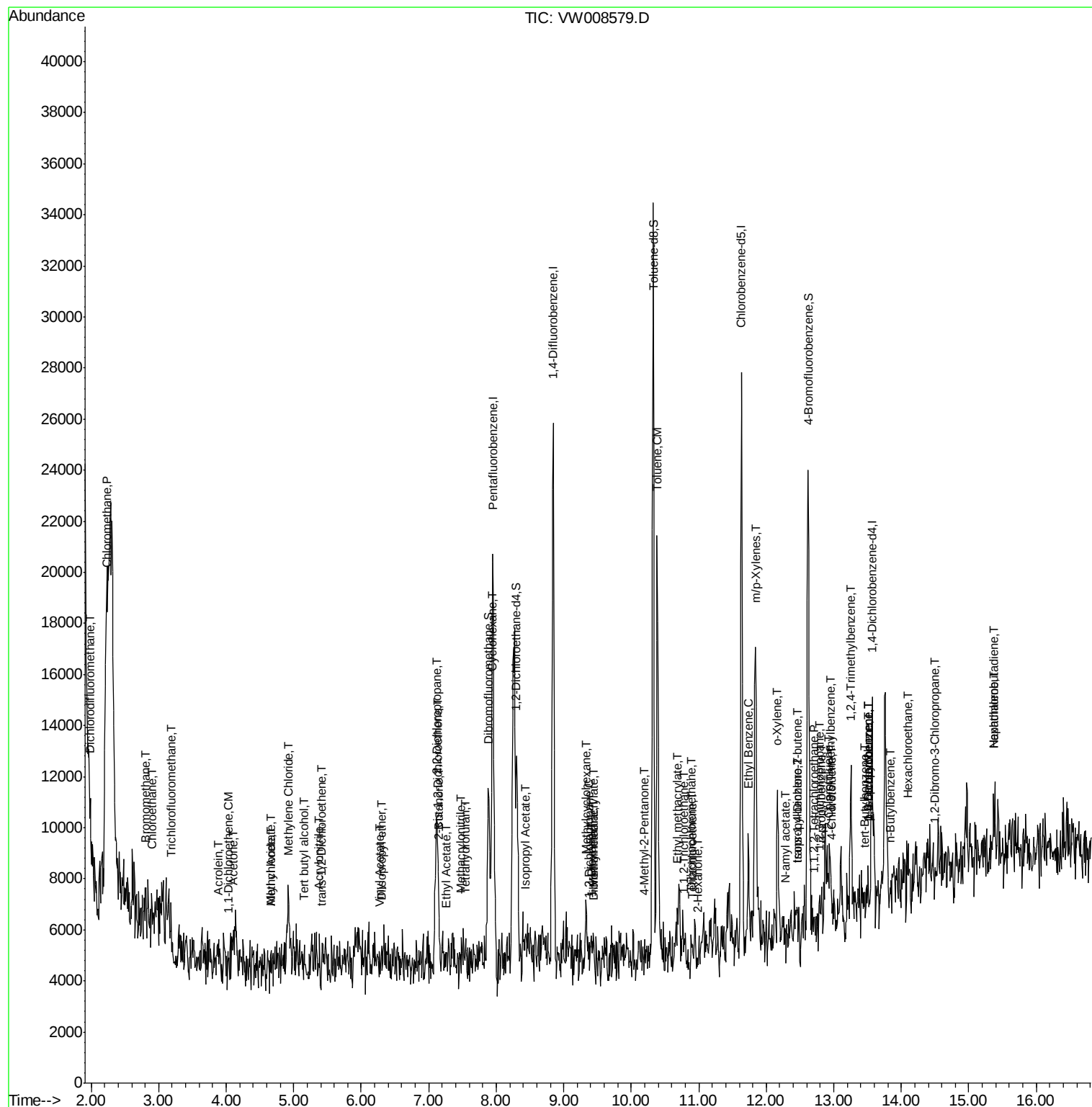
60) Dibromochloromethane	10.88	129	133	1.425	ug/l #	10
64) Tetrachloroethene	10.90	164	88	1.078	ug/l #	22
67) Ethyl Benzene	11.73	91	2489	5.501	ug/l #	61
68) m/p-Xylenes	11.84	106	3306	18.832	ug/l	99
69) o-Xylene	12.17	106	1308	7.842	ug/l	75
73) Isopropylbenzene	12.46	105	458	2.485	ug/l	79
74) N-amyl acetate	12.29	43	199	4.192	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.71	83	191	6.546	ug/l #	26
76) 1,2,3-Trichloropropane	12.80	75	133	6.188	ug/l #	11
78) n-propylbenzene	12.82	91	1378	6.226	ug/l	84
79) 2-Chlorotoluene	12.91	91	177	1.417	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.95	105	1205	7.823	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.46	75	116	10.660	ug/l #	23
82) 4-Chlorotoluene	12.97	91	206	1.549	ug/l #	42
83) tert-Butylbenzene	13.45	119	338	2.466	ug/l	70
84) 1,2,4-Trimethylbenzene	13.26	105	2700	17.245	ug/l	89
86) p-Isopropyltoluene	13.51	119	251	1.464	ug/l #	49
87) 1,3-Dichlorobenzene	13.51	146	103	1.267	ug/l #	25
88) 1,4-Dichlorobenzene	13.51	146	103	1.275	ug/l #	25
89) n-Butylbenzene	13.83	91	602	3.576	ug/l #	54
90) Hexachloroethane	14.11	117	71	2.117	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.51	75	42	7.587	ug/l #	1
94) Hexachlorobutadiene	15.36	225	51	1.649	ug/l #	18
95) Naphthalene	15.36	128	1564	17.355	ug/l #	89

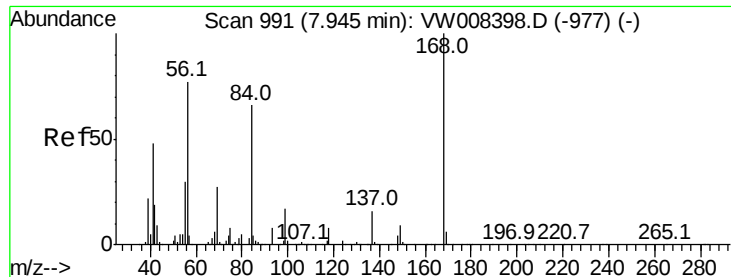
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

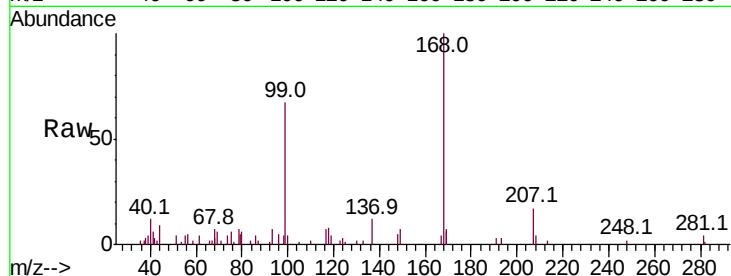
OR-03-020719-A

Tot Ion:168 Resp: 10793

Ion Ratio Lower Upper

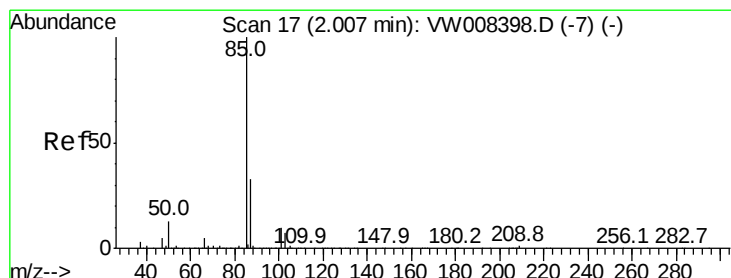
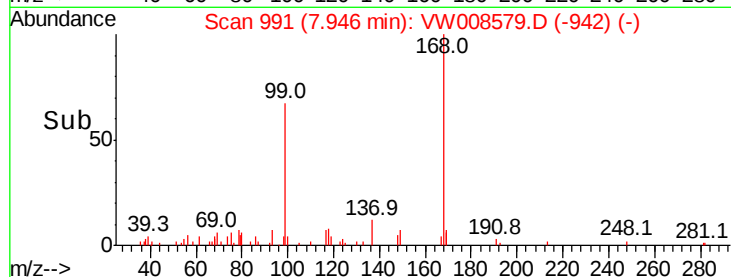
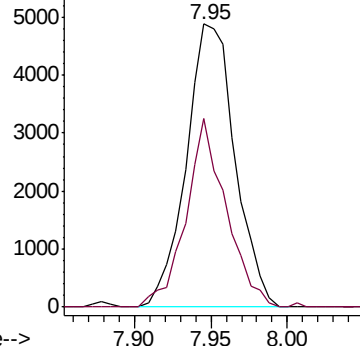
168 100

99 66.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.822 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW008579.D

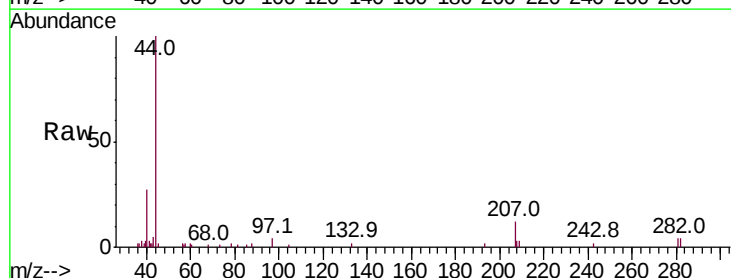
Acq: 08 Feb 2019 17:28

Tgt Ion: 85 Resp: 38

Ion Ratio Lower Upper

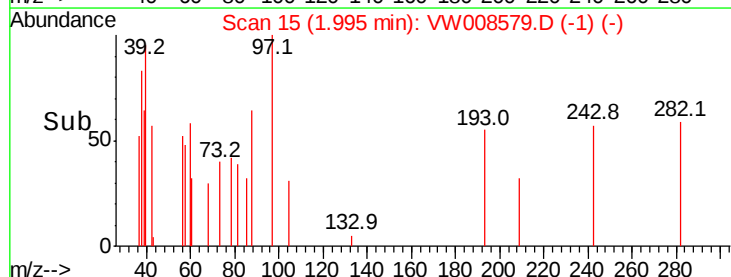
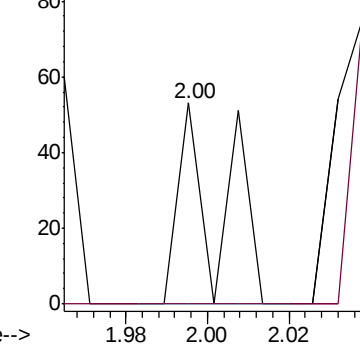
85 100

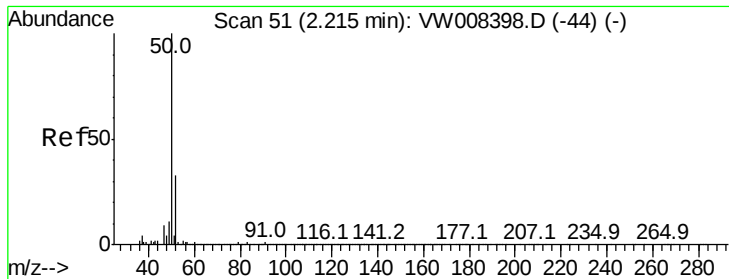
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 5.641 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

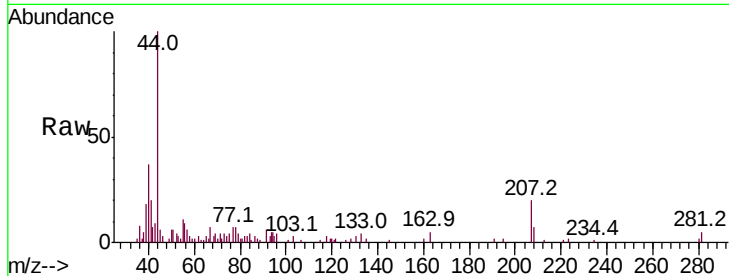
OR-03-020719-A

Tot Ion: 50 Resp: 497

Ion Ratio Lower Upper

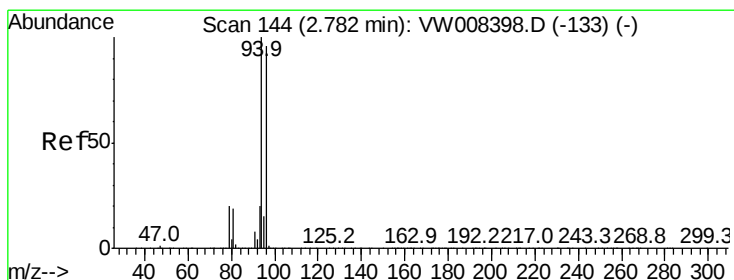
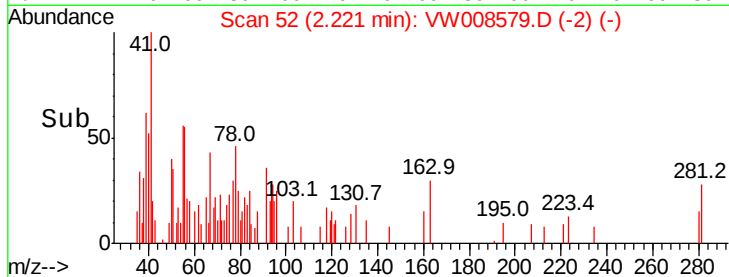
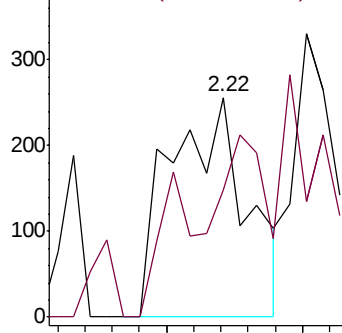
50 100

52 57.8 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#5

Bromomethane

Concen: 1.742 ug/l

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW008579.D

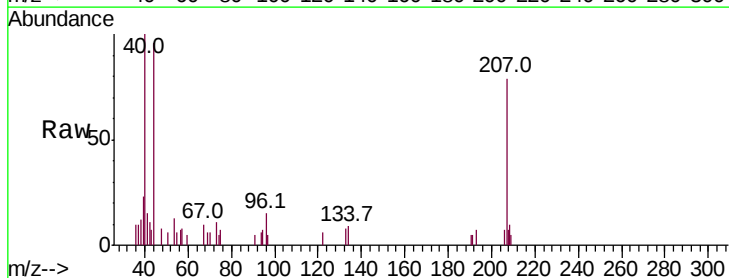
Acq: 08 Feb 2019 17:28

Tgt Ion: 94 Resp: 126

Ion Ratio Lower Upper

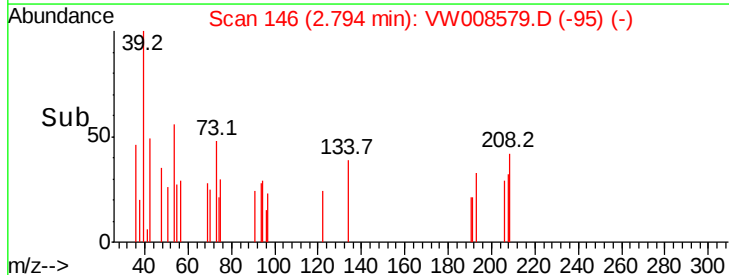
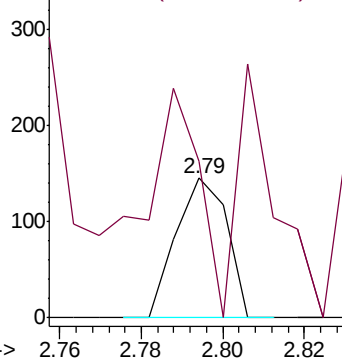
94 100

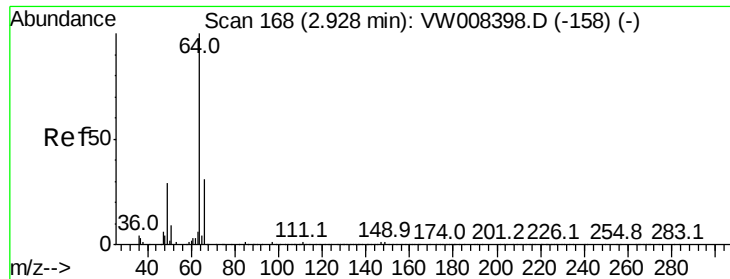
96 40.7 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW





#6

Chloroethane

Concen: 1.604 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.03 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

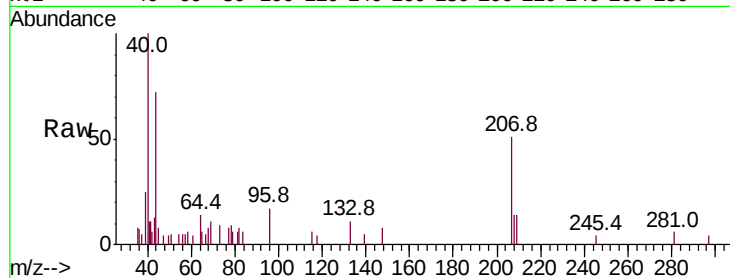
OR-03-020719-A

Tot Ion: 64 Resp: 110

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.90

200

150

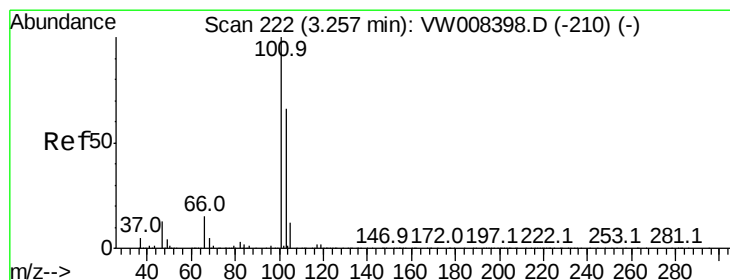
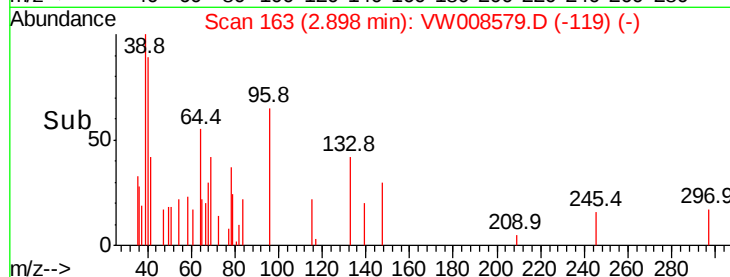
100

50

0

2.88 2.90 2.92 2.94

Time-->



#7

Trichlorofluoromethane

Concen: 5.217 ug/l

RT: 3.18 min Scan# 209

Delta R.T. -0.08 min

Lab File: VW008579.D

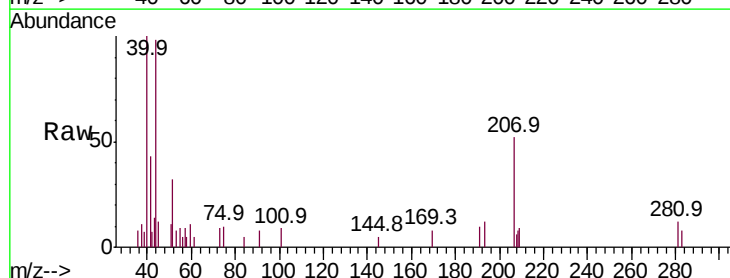
Acq: 08 Feb 2019 17:28

Tgt Ion: 101 Resp: 53

Ion Ratio Lower Upper

101 100

103 0.0 52.5 78.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

150

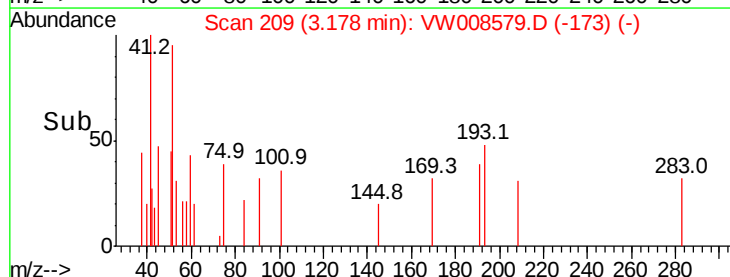
100

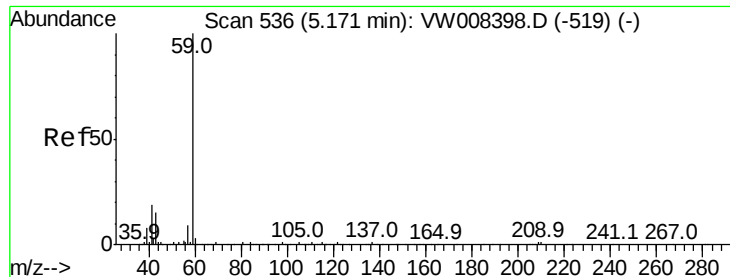
50

0

3.16 3.18 3.20

Time-->



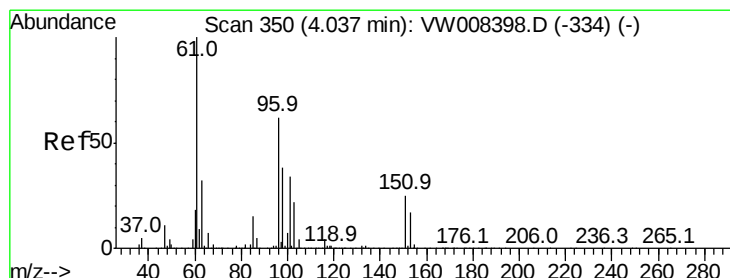
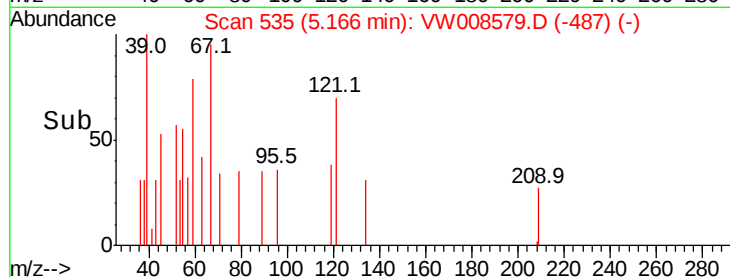
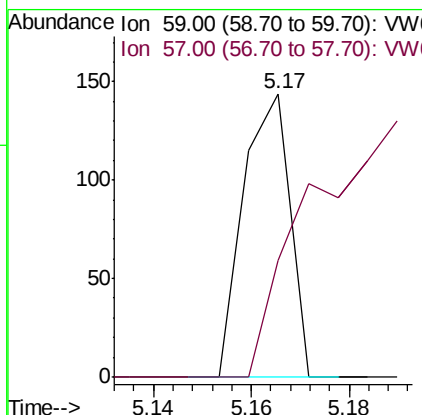
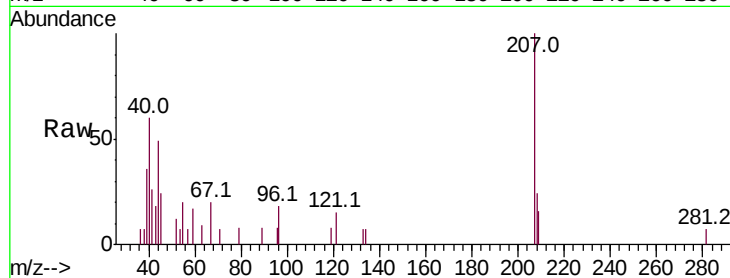


#11

Tert butyl alcohol
 Concen: 11.128 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW008579.D
 Acq: 08 Feb 2019 17:28

Instrument :
 MSVOA_W
 ClientSampled :
 OR-03-020719-A

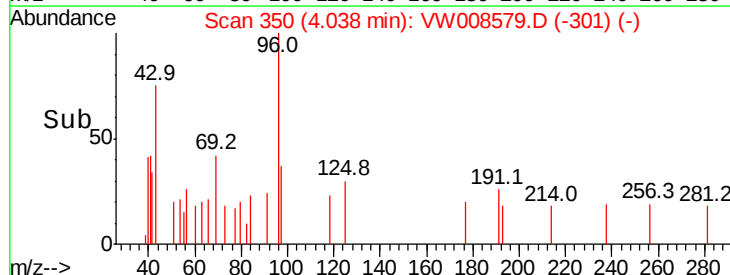
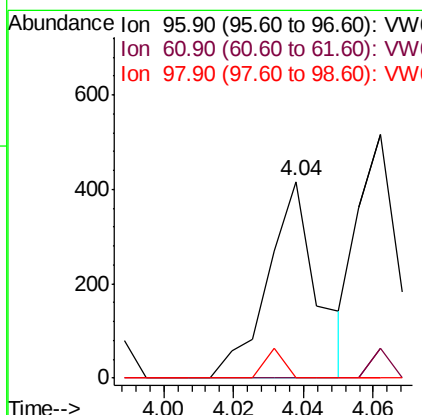
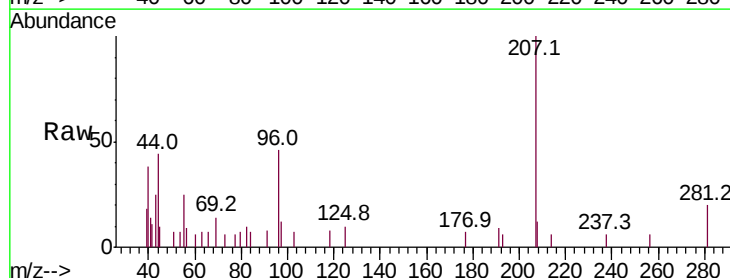
Tot Ion: 59 Resp: 95
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

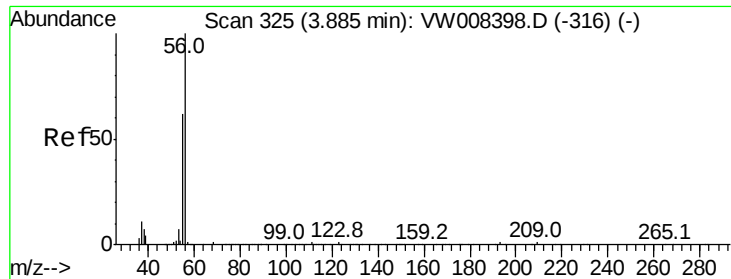


#12

1,1-Dichloroethene
 Concen: 4.150 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW008579.D
 Acq: 08 Feb 2019 17:28

Tgt Ion: 96 Resp: 410
 Ion Ratio Lower Upper
 96 100
 61 0.0 129.5 194.3#
 98 0.0 48.6 73.0#





#13

Acrolein

Concen: 35.647 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

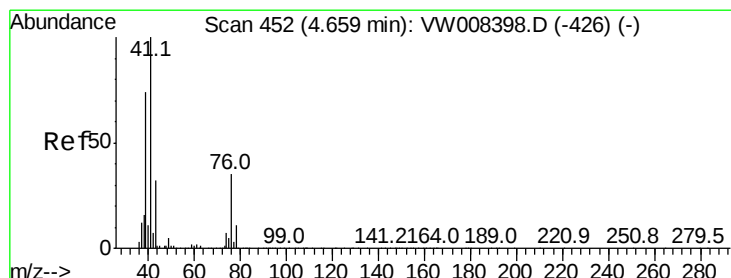
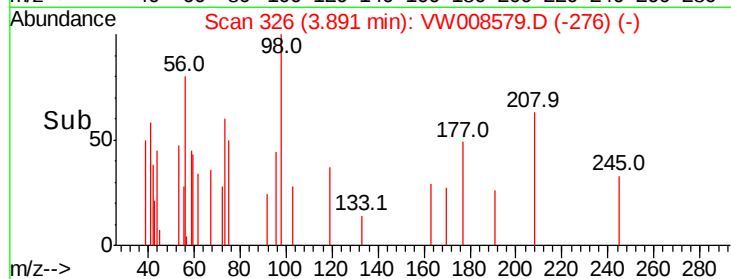
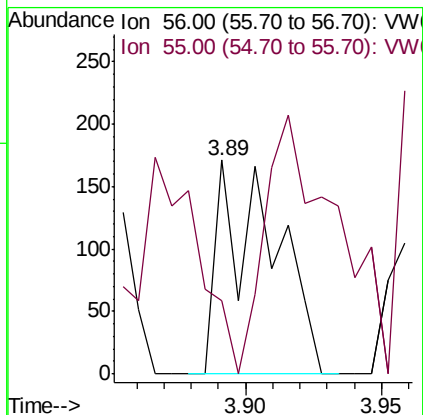
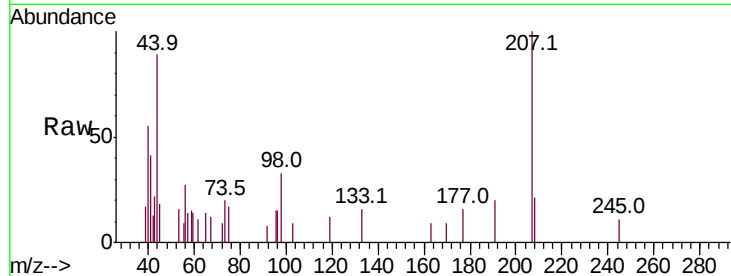
OR-03-020719-A

Tot Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#14

Allyl chloride

Concen: 2.324 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

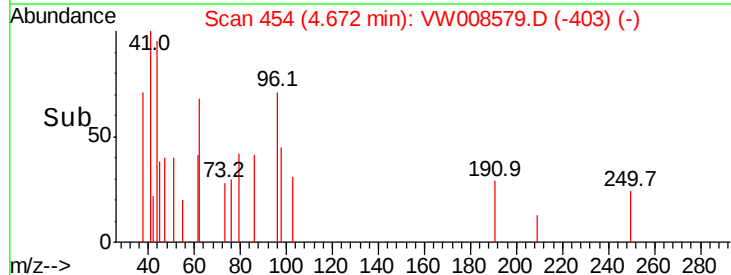
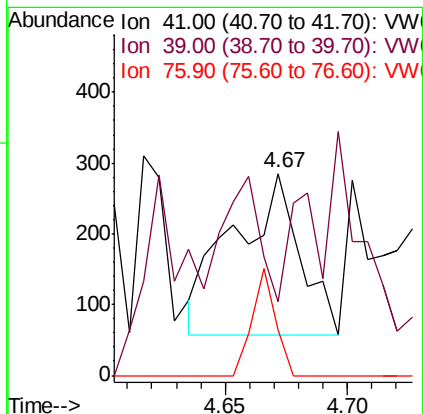
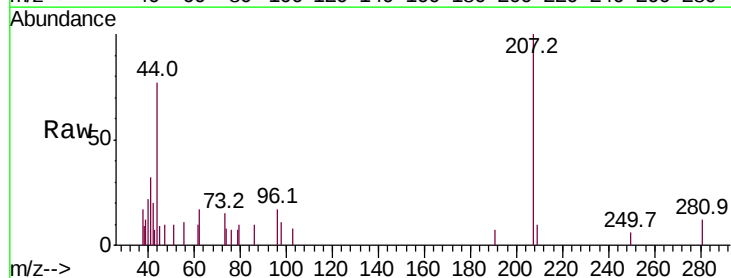
Tgt Ion: 41 Resp: 436

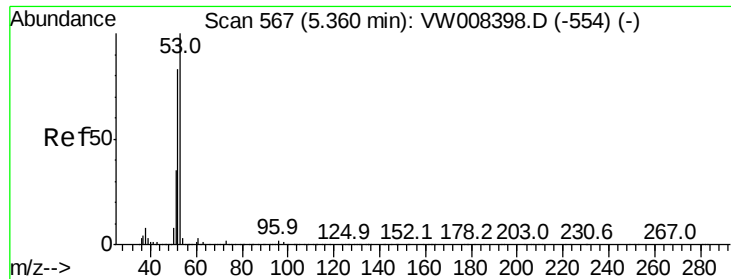
Ion Ratio Lower Upper

41 100

39 40.4 57.7 86.5#

76 23.2 26.9 40.3#





#15

Acrylonitrile

Concen: 3.614 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.02 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

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ClientSampleId :

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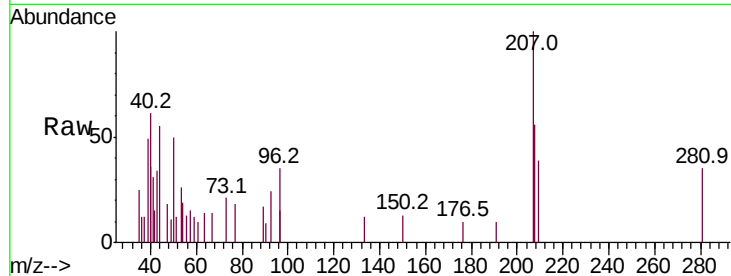
Tot Ion: 53 Resp: 84

Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

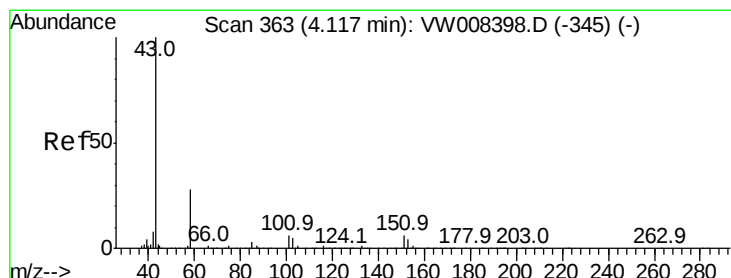
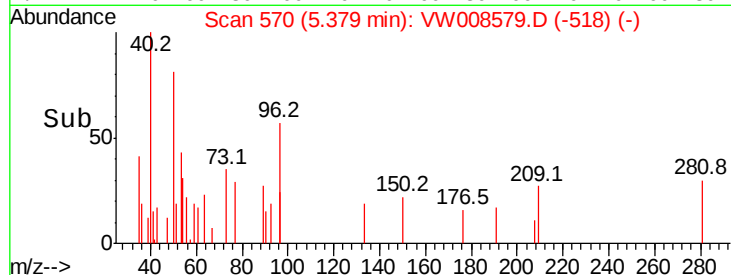
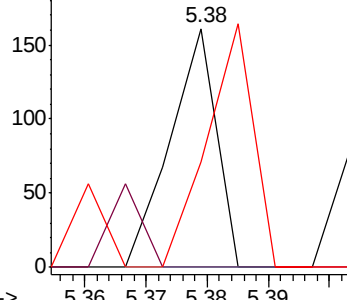
51 102.4 29.8 44.8#



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: 52.917 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW008579.D

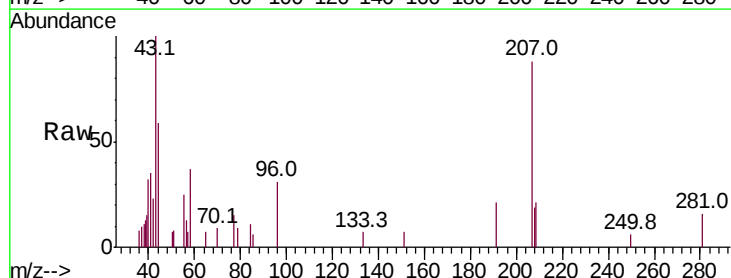
Acq: 08 Feb 2019 17:28

Tgt Ion: 43 Resp: 1260

Ion Ratio Lower Upper

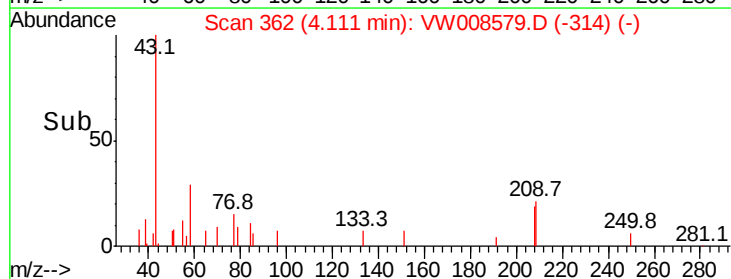
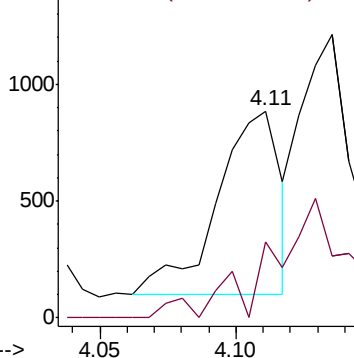
43 100

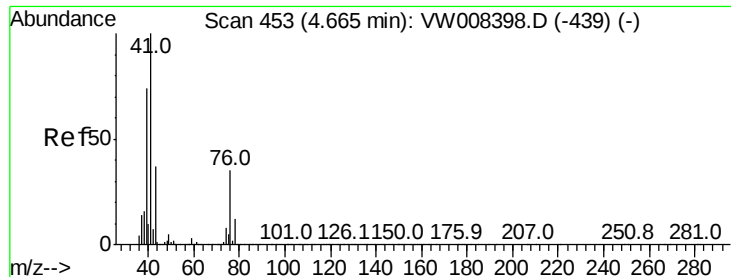
58 41.8 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

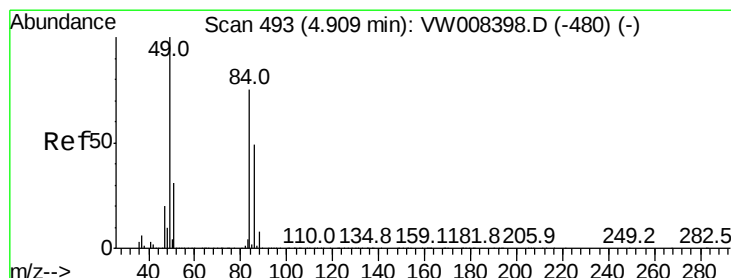
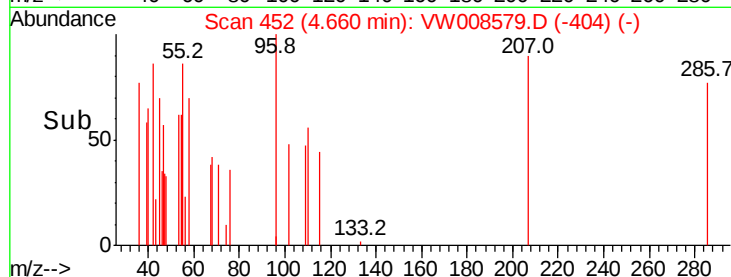
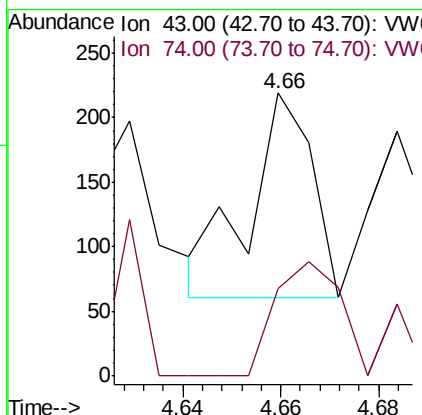
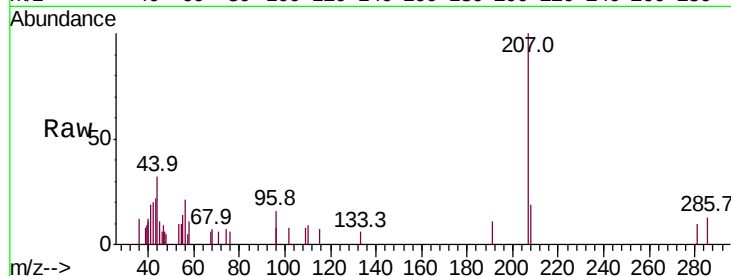




#18
Methyl Acetate
Concen: 2.189 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008579.D
Acq: 08 Feb 2019 17:28

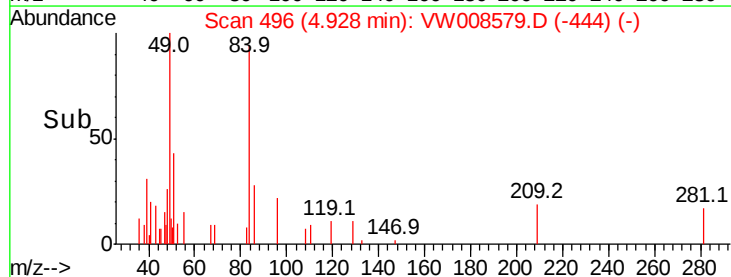
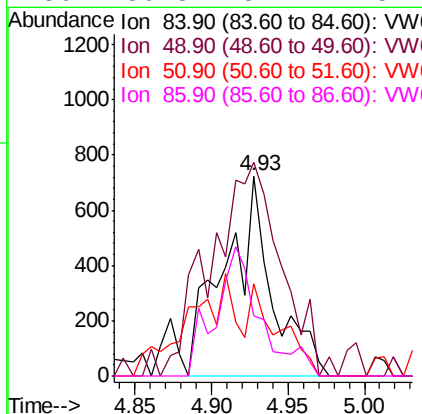
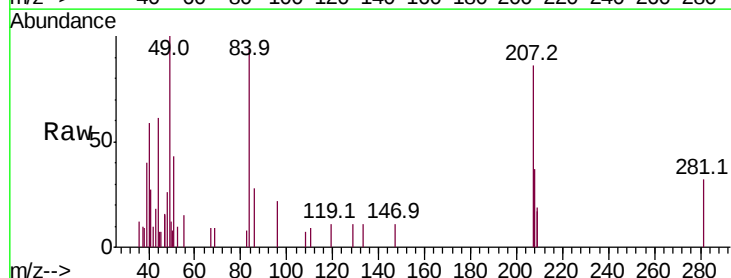
Instrument :
MSVOA_W
ClientSampleId :
OR-03-020719-A

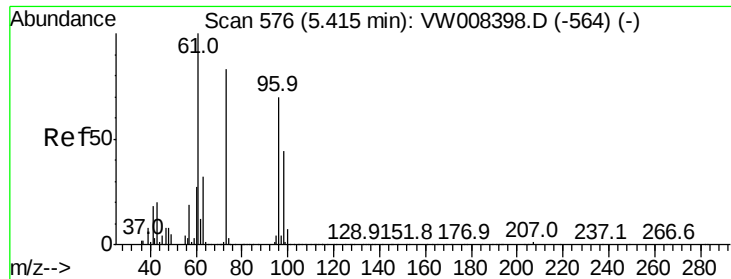
Tot Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
74 73.4 17.5 26.3#



#20
Methylene Chloride
Concen: 14.379 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.02 min
Lab File: VW008579.D
Acq: 08 Feb 2019 17:28

Tgt Ion: 84 Resp: 1578
Ion Ratio Lower Upper
84 100
49 106.6 106.8 160.2#
51 45.9 32.9 49.3
86 30.3 52.2 78.2#





#21

trans-1,2-Dichloroethene

Concen: 1.441 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampled :

OR-03-020719-A

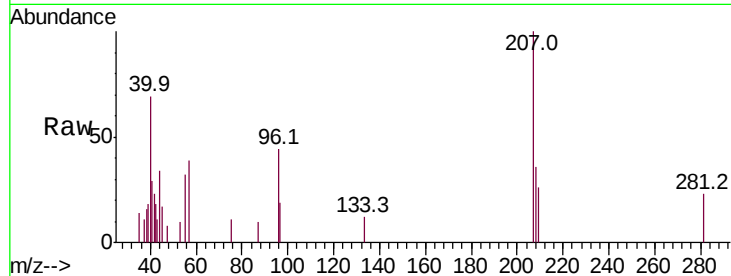
Tot Ion: 96 Resp: 160

Ion Ratio Lower Upper

96 100

61 0.0 114.4 171.6#

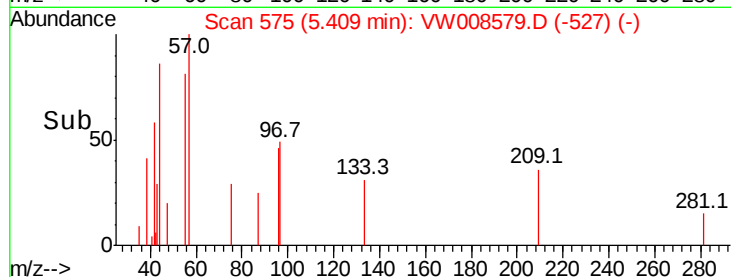
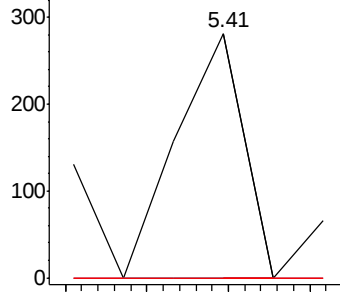
98 0.0 50.6 75.8#



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 1.553 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Tgt Ion: 45 Resp: 552

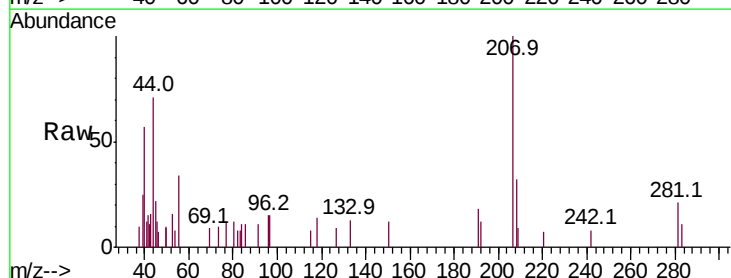
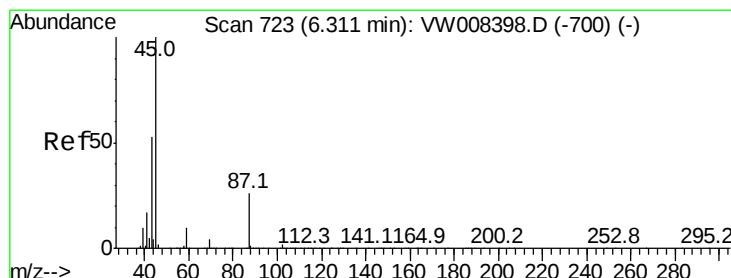
Ion Ratio Lower Upper

45 100

43 0.4 42.6 63.8#

87 0.0 20.3 30.5#

59 0.0 8.4 12.6#

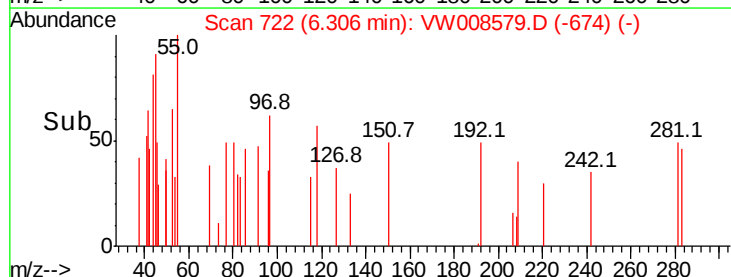
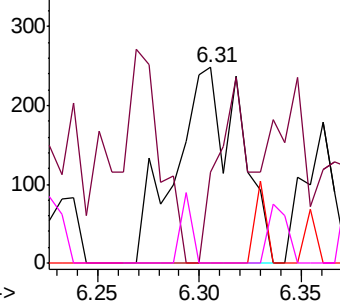


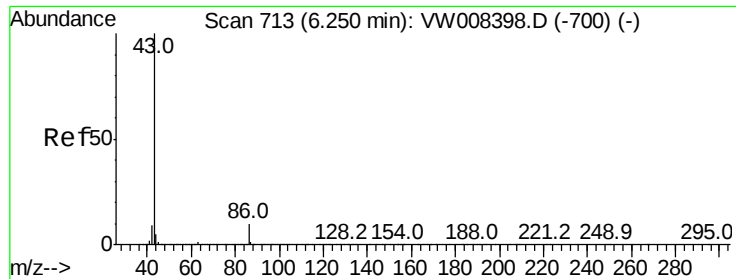
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 1.481 ug/l

RT: 6.27 min Scan# 716

Delta R.T. 0.02 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

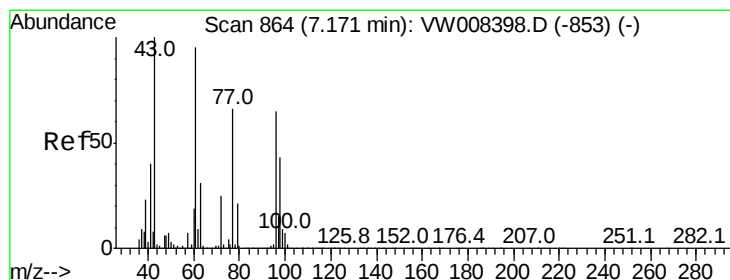
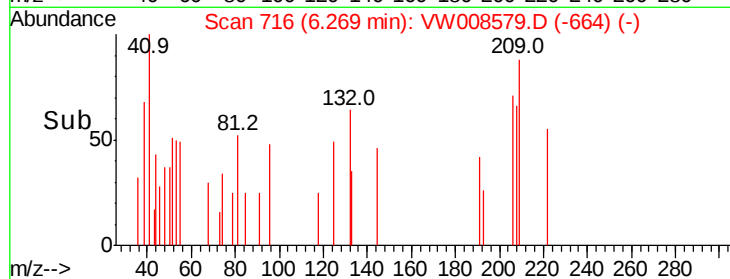
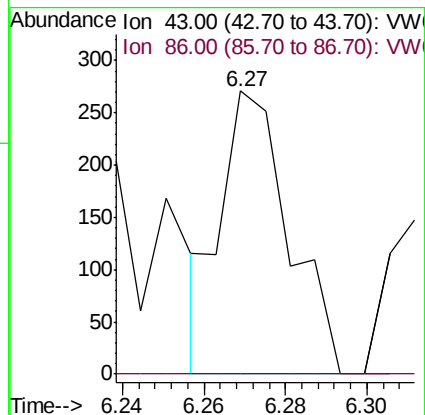
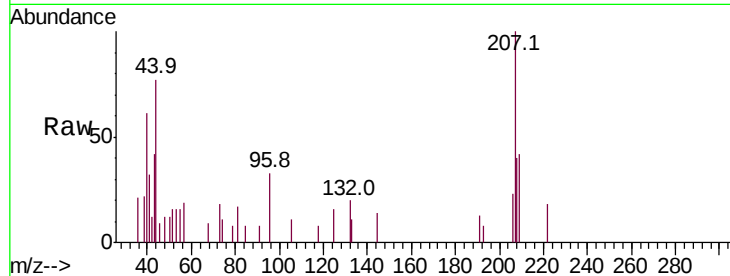
OR-03-020719-A

Tot Ion: 43 Resp: 311

Ion Ratio Lower Upper

43 100

86 0.0 7.8 11.8#



#25

2-Butanone

Concen: 9.857 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008579.D

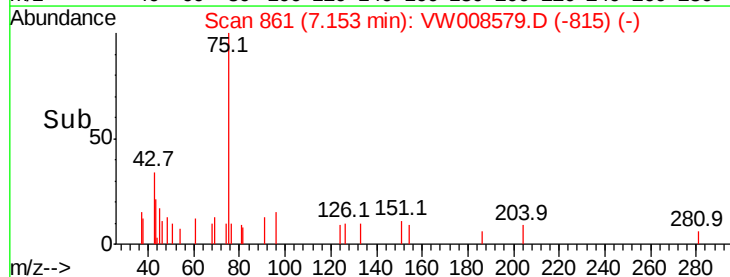
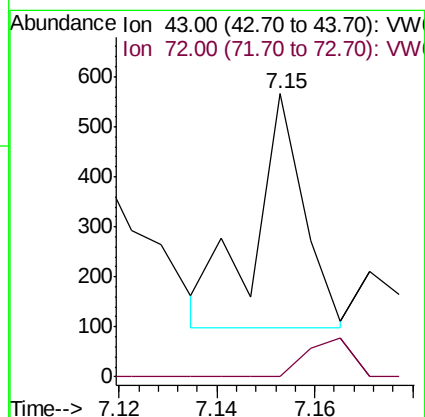
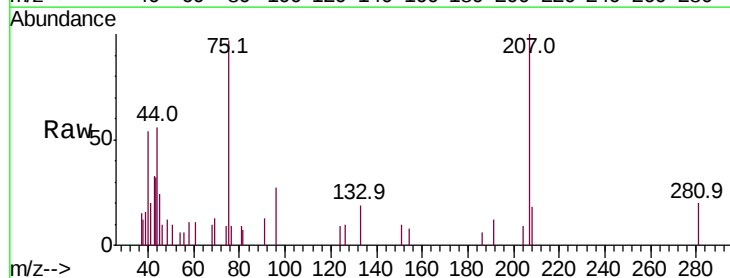
Acq: 08 Feb 2019 17:28

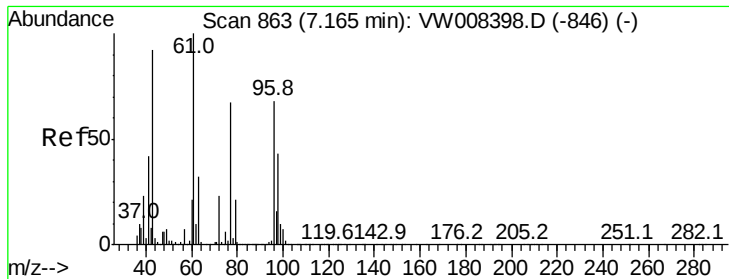
Tgt Ion: 43 Resp: 326

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#





#26

2,2-Dichloropropane

Concen: 3.411 ug/l

RT: 7.12 min Scan# 856

Delta R.T. -0.04 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

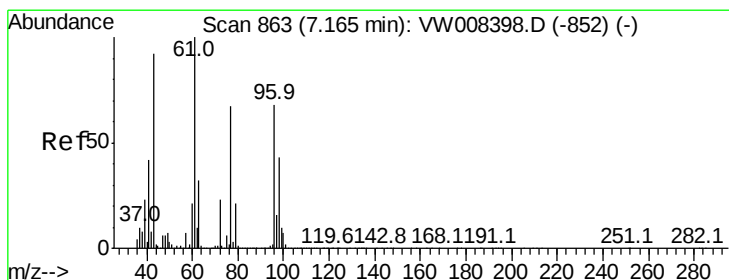
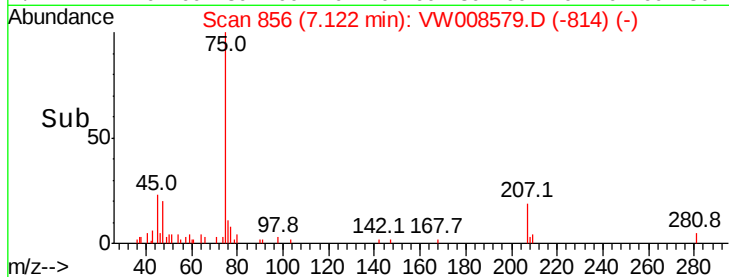
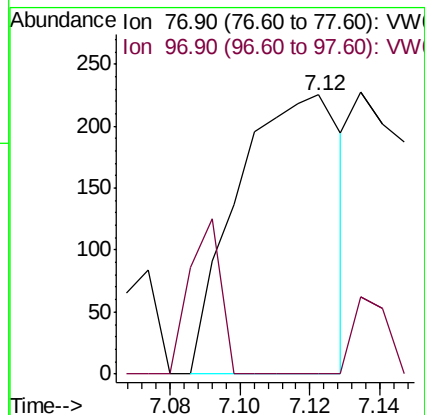
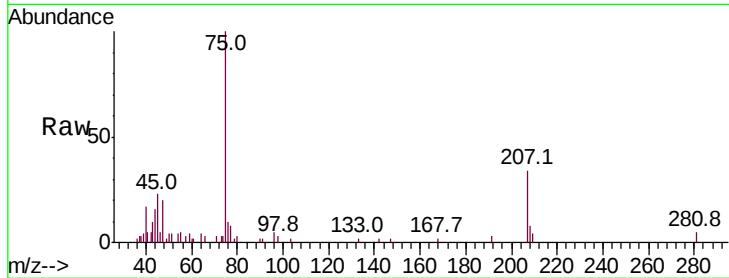
OR-03-020719-A

Tot Ion: 77 Resp: 464

Ion Ratio Lower Upper

77 100

97 9.1 11.5 34.5#



#27

cis-1,2-Dichloroethene

Concen: 1.586 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

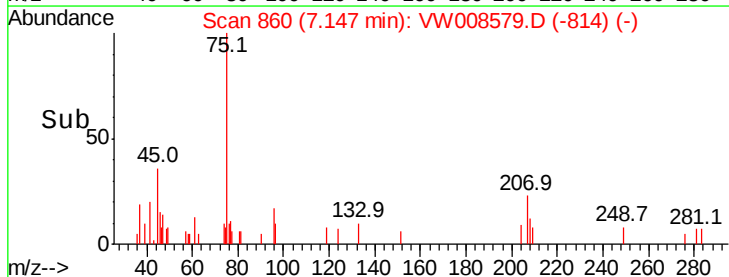
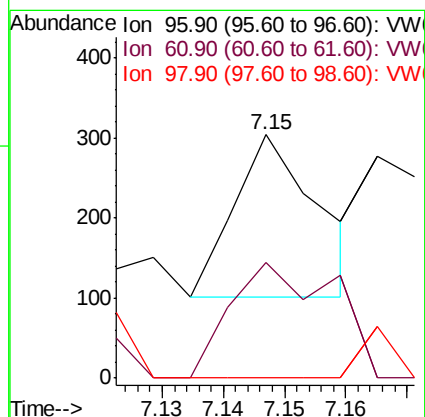
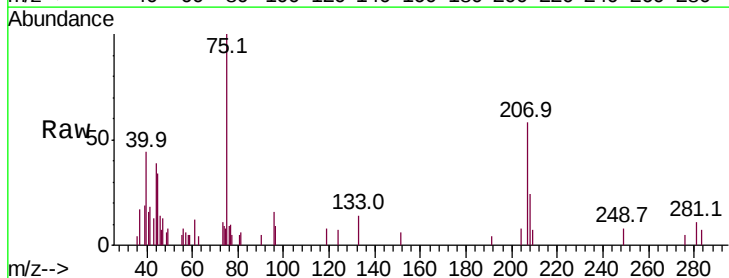
Tgt Ion: 96 Resp: 192

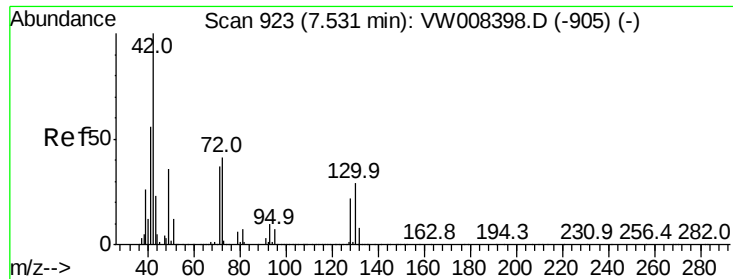
Ion Ratio Lower Upper

96 100

61 87.5 0.0 292.8

98 12.0 0.0 129.2





#29

Tetrahydrofuran

Concen: 10.592 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-A

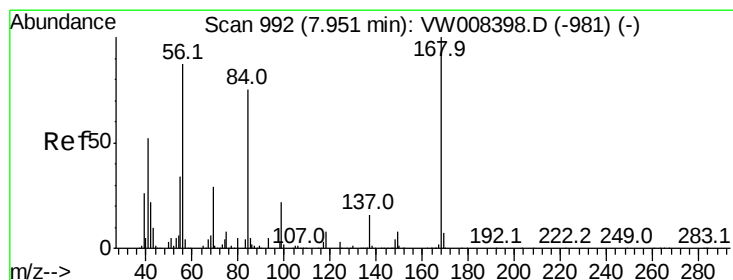
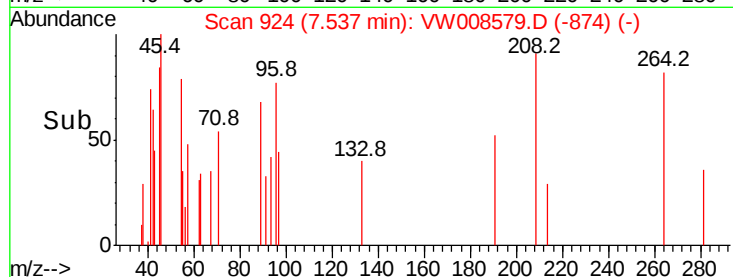
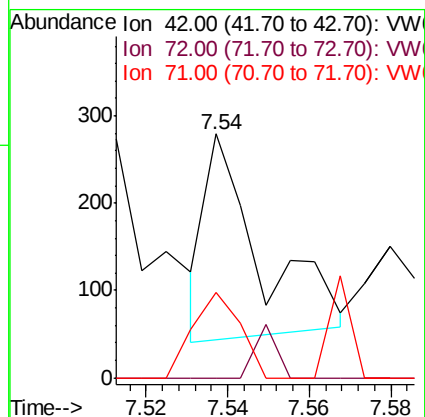
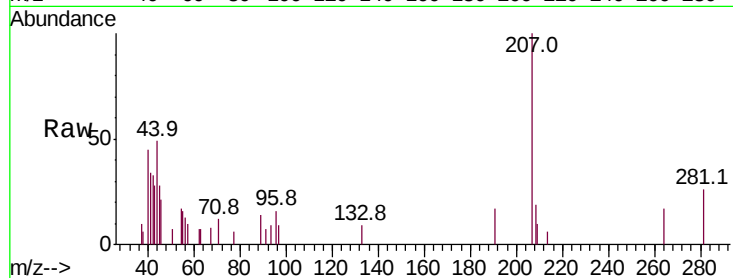
Tot Ion: 42 Resp: 222

Ion Ratio Lower Upper

42 100

72 9.9 31.9 47.9#

71 35.6 29.9 44.9



#31

Cyclohexane

Concen: 2.071 ug/l

RT: 7.93 min Scan# 988

Delta R.T. -0.02 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

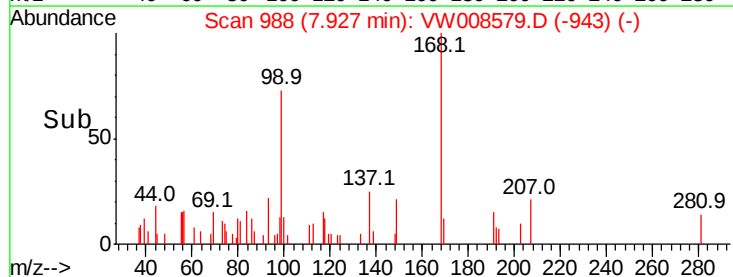
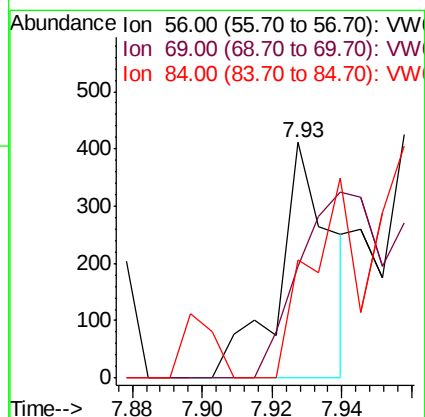
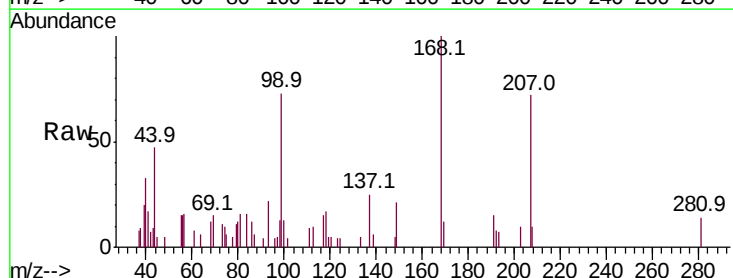
Tgt Ion: 56 Resp: 431

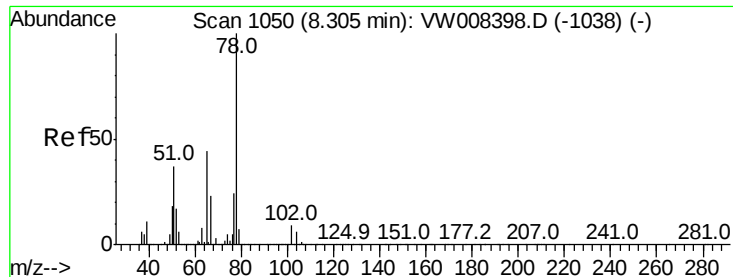
Ion Ratio Lower Upper

56 100

69 47.7 26.4 39.6#

84 22.9 69.1 103.7#





#33

1,2-Dichloroethane-d4

Concen: 52.041 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

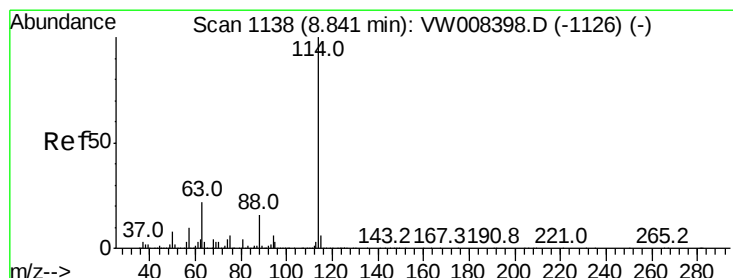
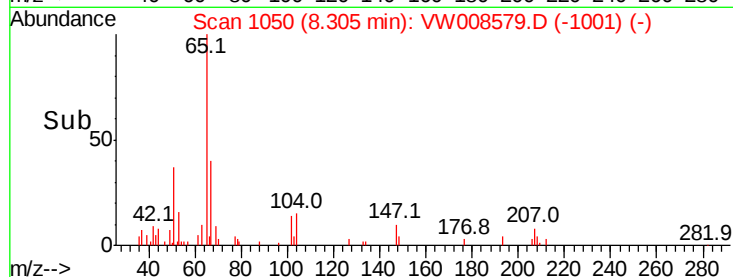
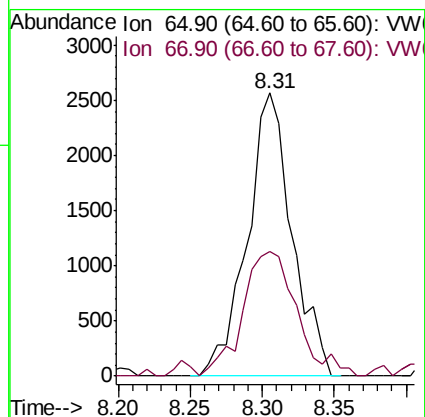
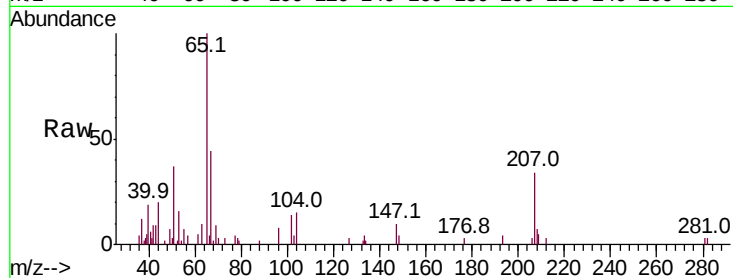
OR-03-020719-A

Tot Ion: 65 Resp: 5518

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

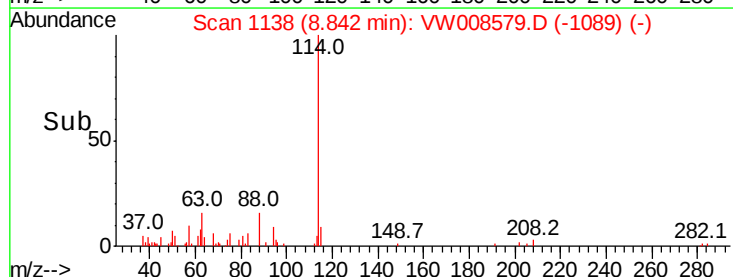
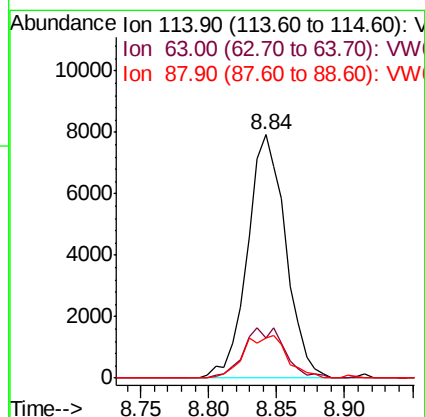
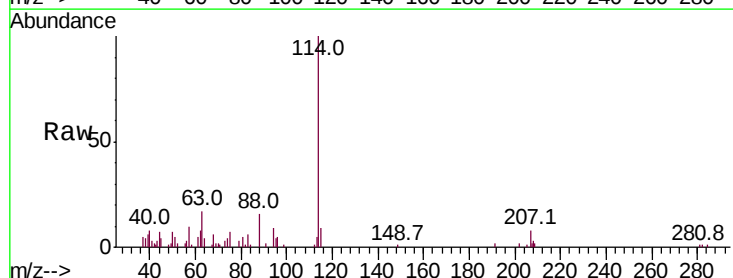
Tgt Ion: 114 Resp: 15581

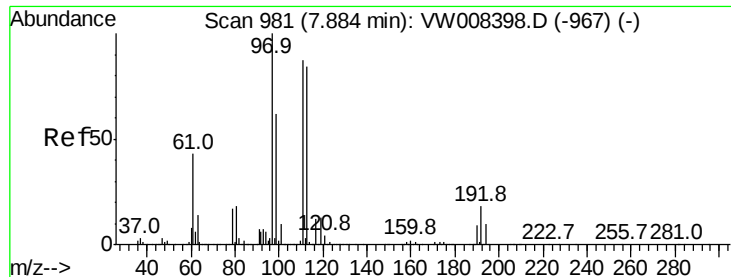
Ion Ratio Lower Upper

114 100

63 16.6 0.0 43.6

88 16.3 0.0 31.8

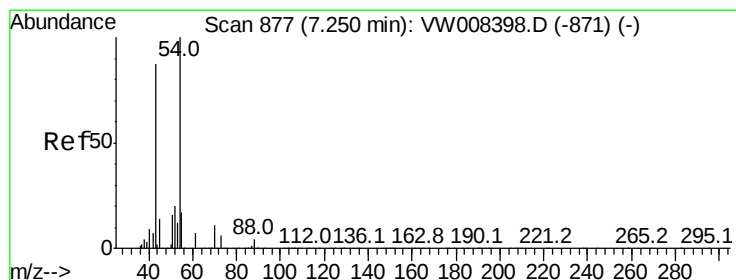
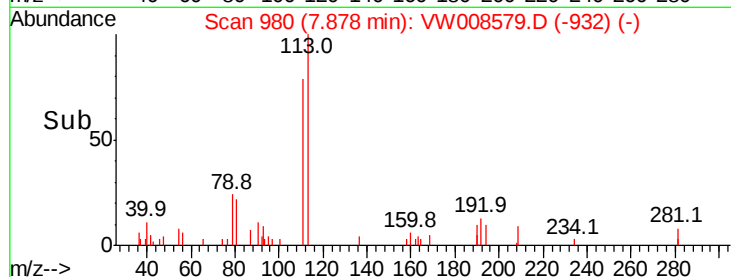
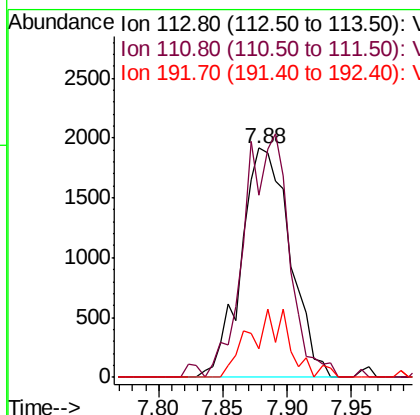
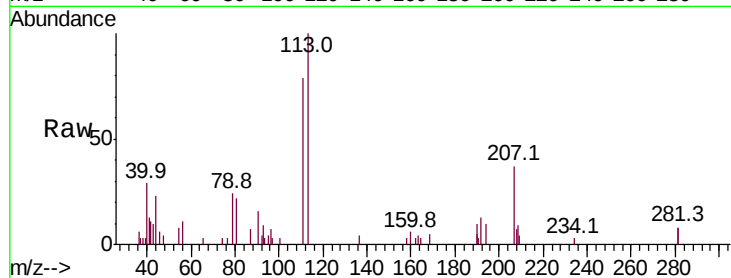




#35
Dibromofluoromethane
Concen: 55.506 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008579.D
Acq: 08 Feb 2019 17:28

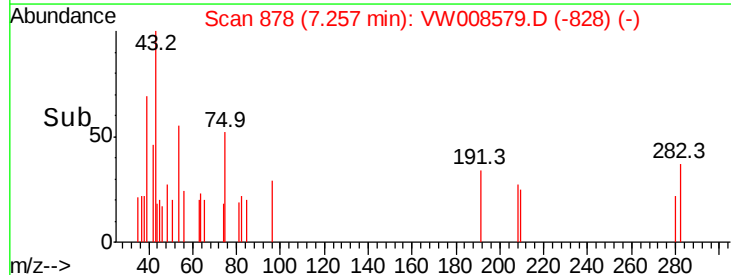
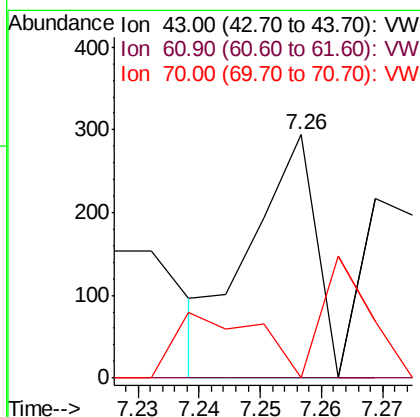
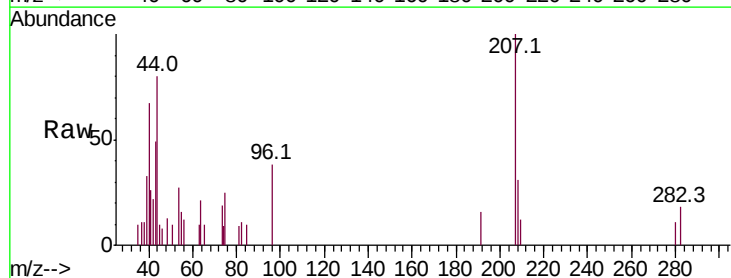
Instrument :
MSVOA_W
ClientSampleId :
OR-03-020719-A

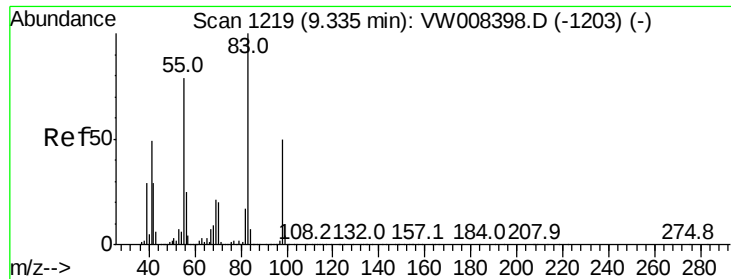
Tot Ion:113 Resp: 5057
Ion Ratio Lower Upper
113 100
111 99.2 81.0 121.4
192 15.0 16.8 25.2#



#37
Ethyl Acetate
Concen: 3.302 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008579.D
Acq: 08 Feb 2019 17:28

Tgt Ion: 43 Resp: 215
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 34.9 7.8 11.6#

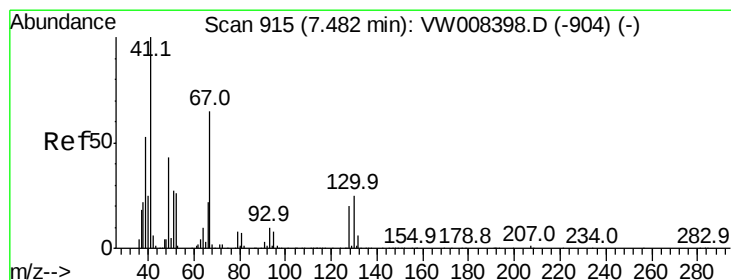
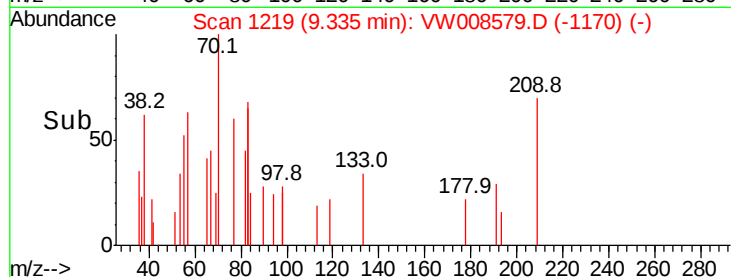
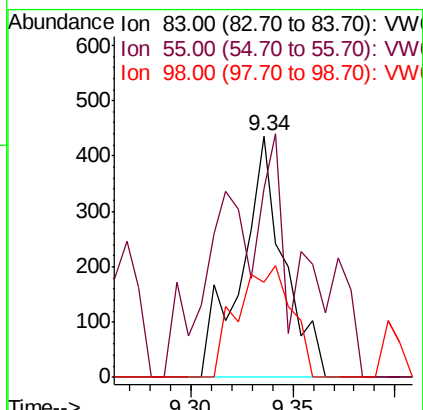
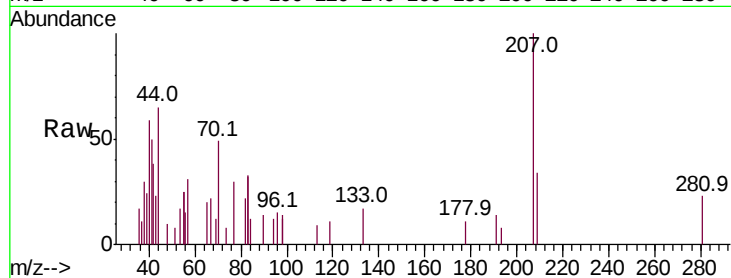




#39
Methylcyclohexane
Concen: 3.289 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008579.D
Acq: 08 Feb 2019 17:28

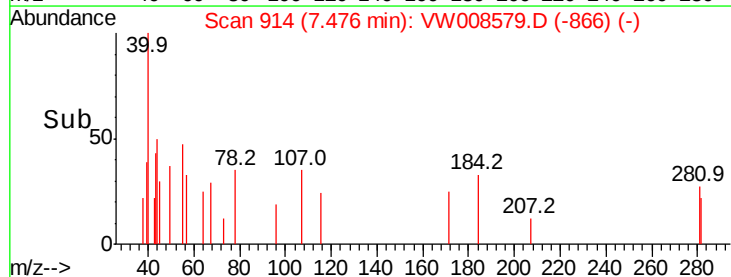
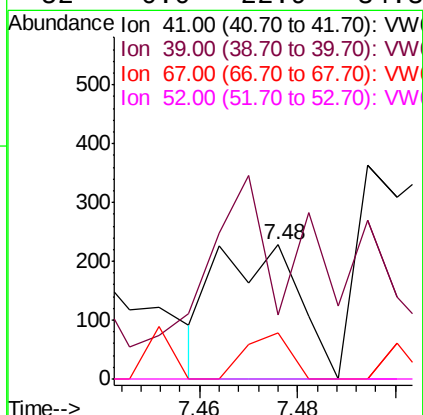
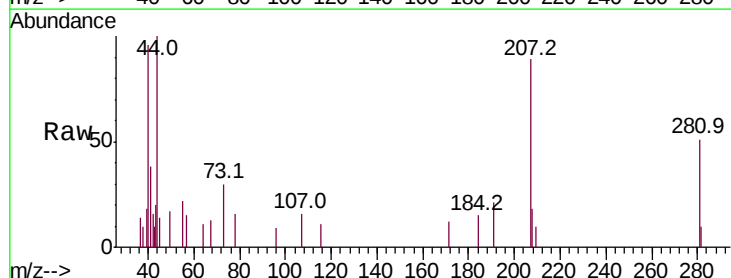
Instrument :
MSVOA_W
ClientSampled :
OR-03-020719-A

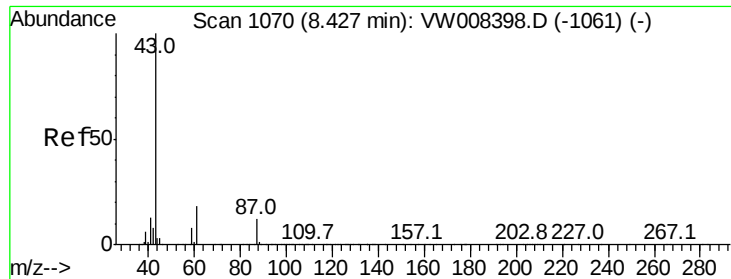
Tot Ion: 83 Resp: 636
Ion Ratio Lower Upper
83 100
55 61.0 63.3 94.9#
98 39.4 39.7 59.5#



#41
Methacrylonitrile
Concen: 6.847 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008579.D
Acq: 08 Feb 2019 17:28

Tgt Ion: 41 Resp: 264
Ion Ratio Lower Upper
41 100
39 92.8 43.4 65.0#
67 18.9 54.2 81.2#
52 0.0 22.9 34.3#





#43

Isopropyl Acetate

Concen: 1.937 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-A

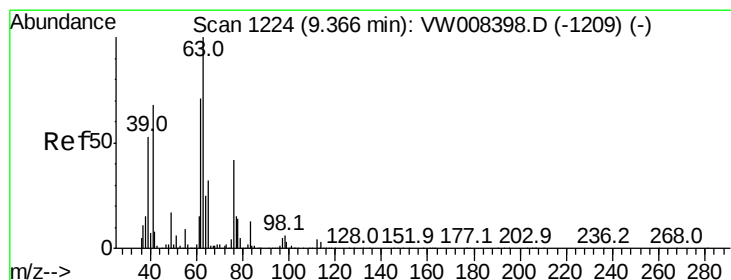
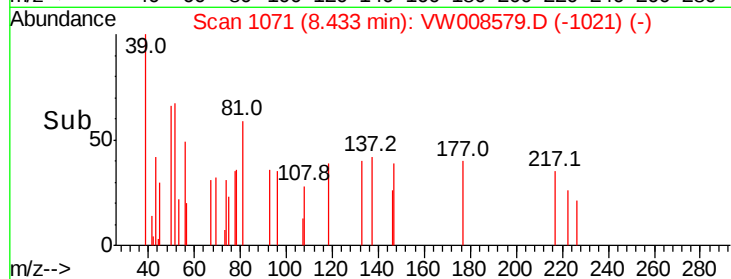
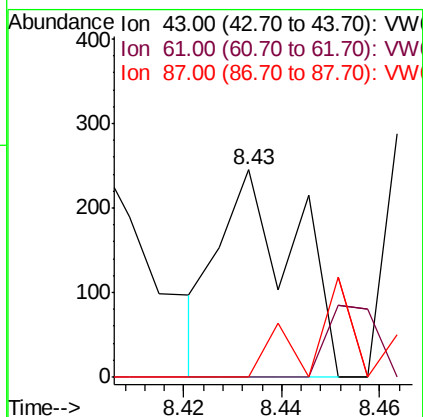
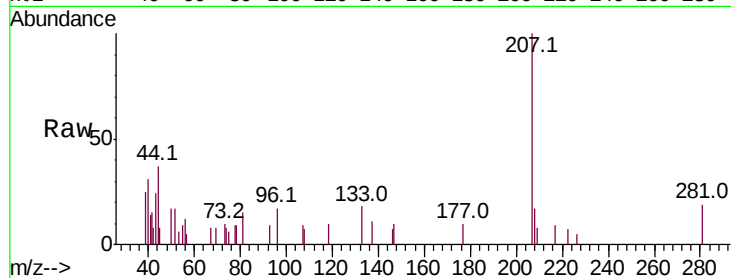
Tot Ion: 43 Resp: 262

Ion Ratio Lower Upper

43 100

61 0.0 22.0 33.0#

87 0.0 9.3 13.9#



#45

1,2-Dichloropropane

Concen: 1.316 ug/l

RT: 9.38 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VW008579.D

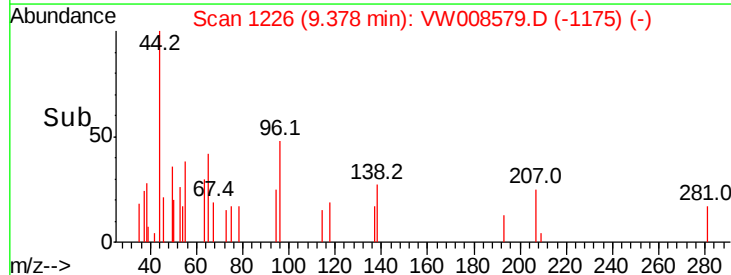
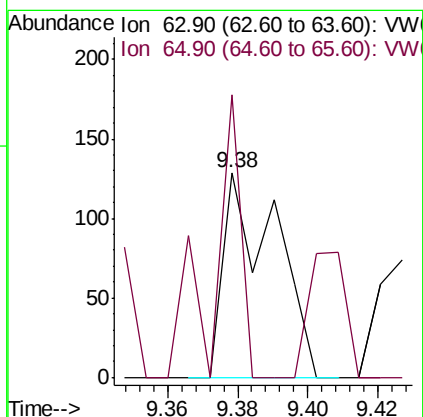
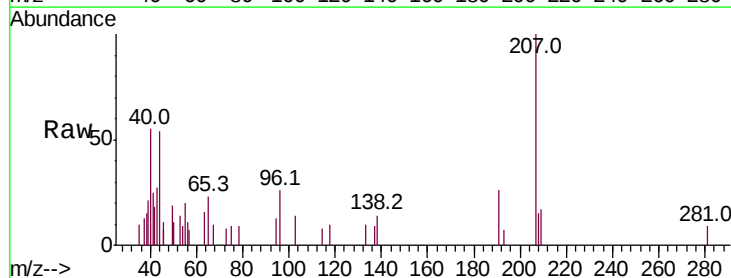
Acq: 08 Feb 2019 17:28

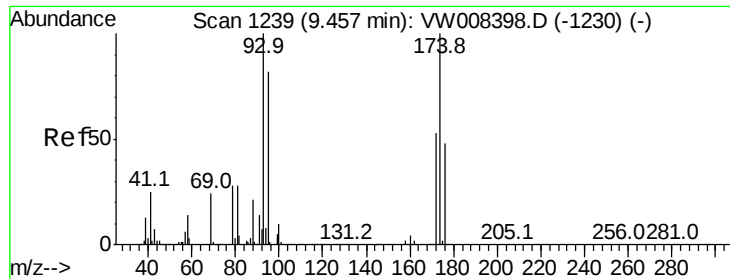
Tgt Ion: 63 Resp: 134

Ion Ratio Lower Upper

63 100

65 76.7 25.2 37.8#





#46

Dibromomethane

Concen: 1.126 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-A

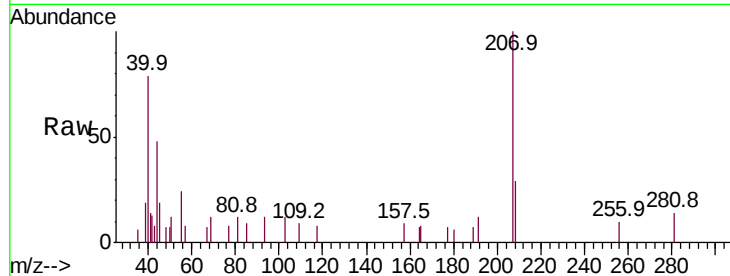
Tot Ion: 93 Resp: 59

Ion Ratio Lower Upper

93 100

95 116.9 65.9 98.9#

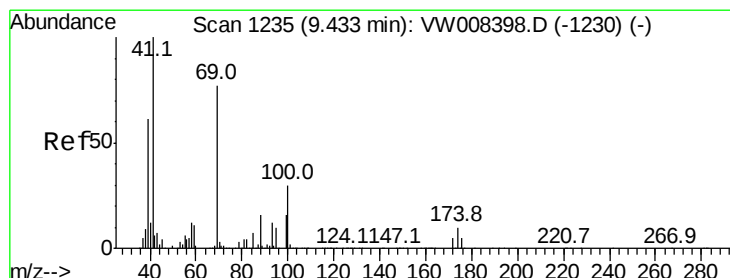
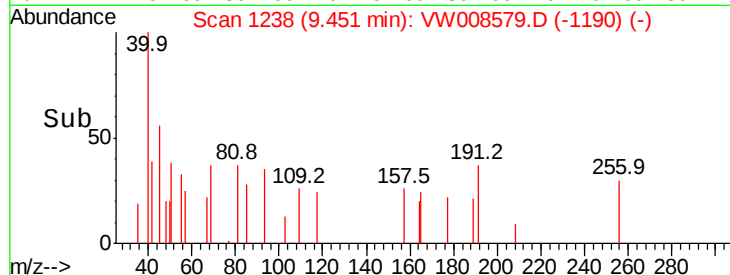
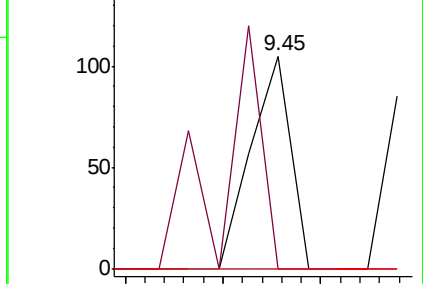
174 0.0 81.0 121.6#



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): VW



#48

Methyl methacrylate

Concen: 7.196 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

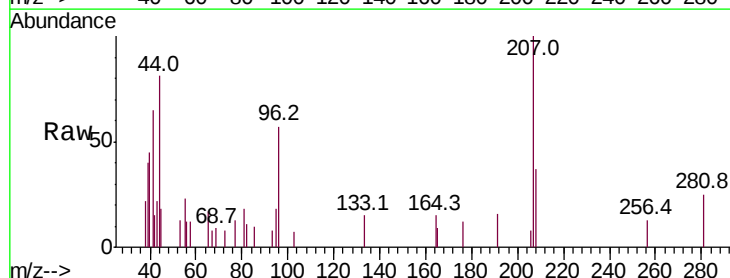
Tgt Ion: 41 Resp: 476

Ion Ratio Lower Upper

41 100

69 31.7 64.8 97.2#

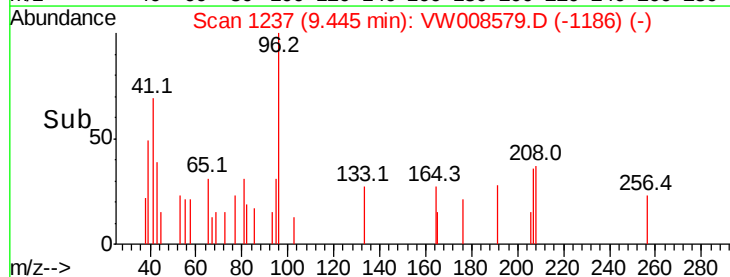
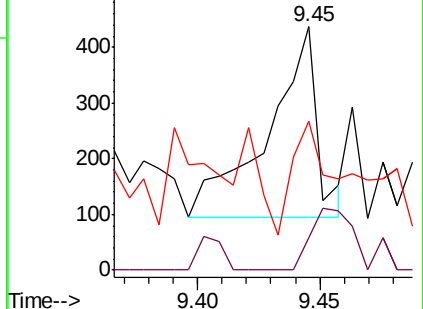
39 76.3 49.1 73.7#

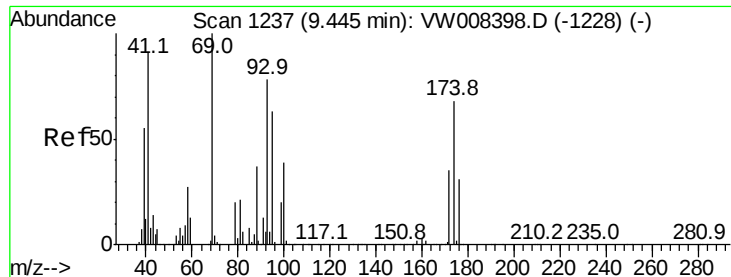


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 24.850 ug/l

RT: 9.43 min Scan# 1234

Delta R.T. -0.02 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-A

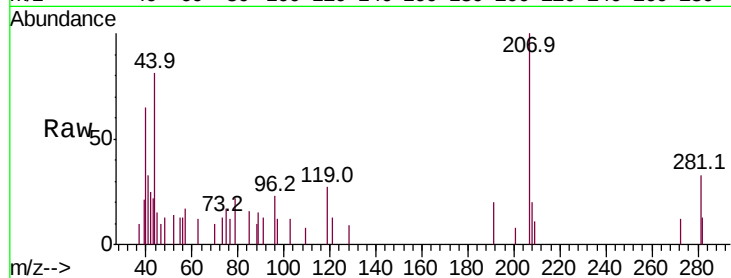
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

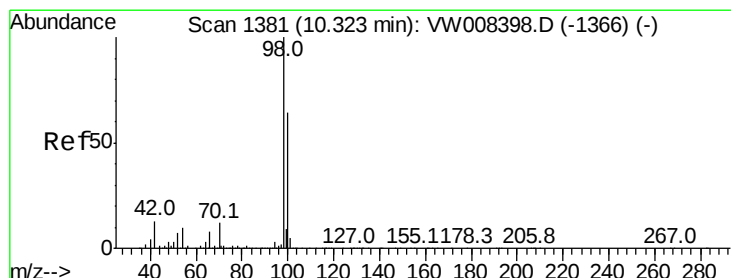
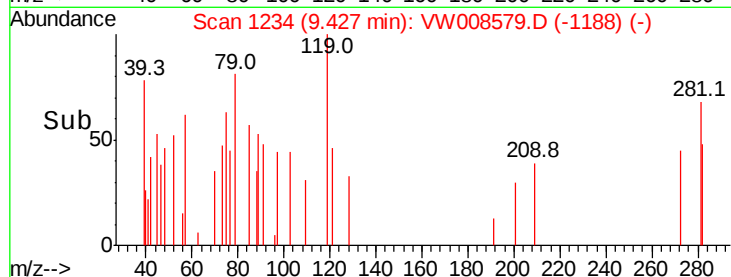
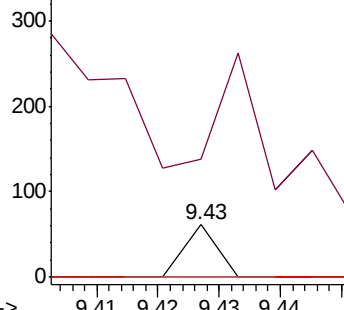
58 0.0 56.4 84.6#



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: 48.146 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW008579.D

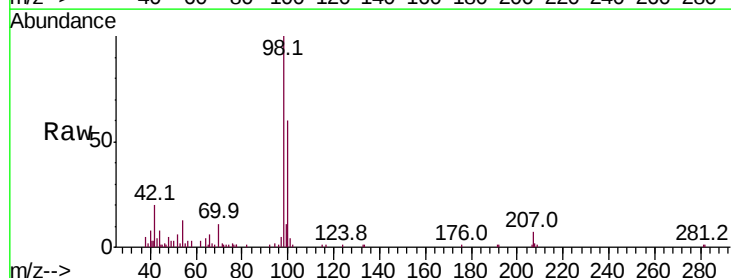
Acq: 08 Feb 2019 17:28

Tgt Ion: 98 Resp: 17590

Ion Ratio Lower Upper

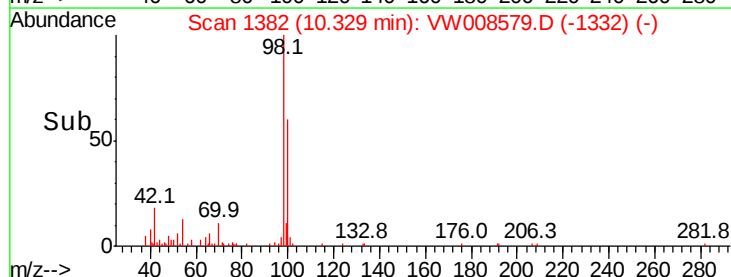
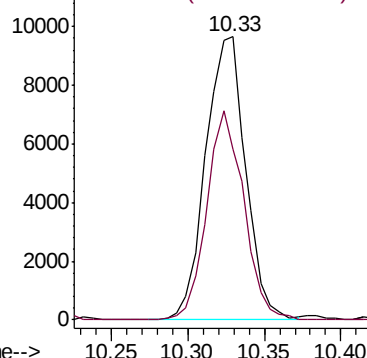
98 100

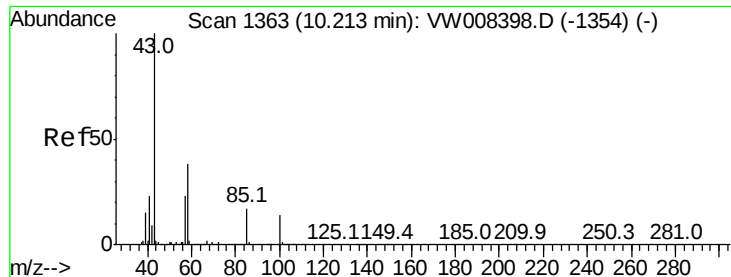
100 68.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 3.711 ug/l

RT: 10.20 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampled :

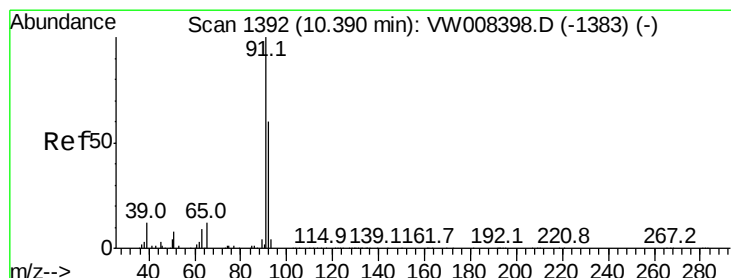
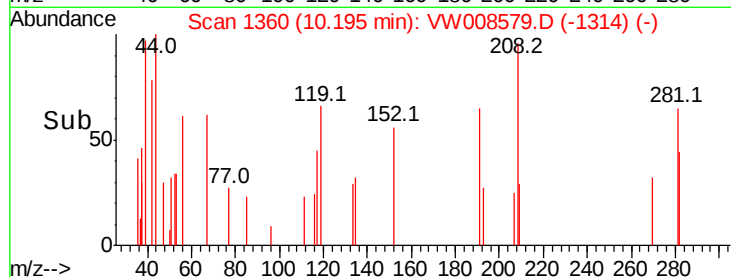
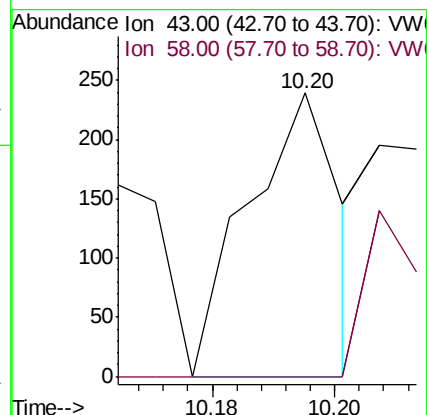
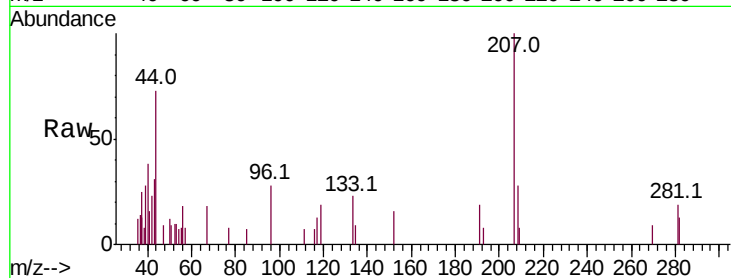
OR-03-020719-A

Tot Ion: 43 Resp: 248

Ion Ratio Lower Upper

43 100

58 33.5 29.7 44.5



#52

Toluene

Concen: 23.446 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008579.D

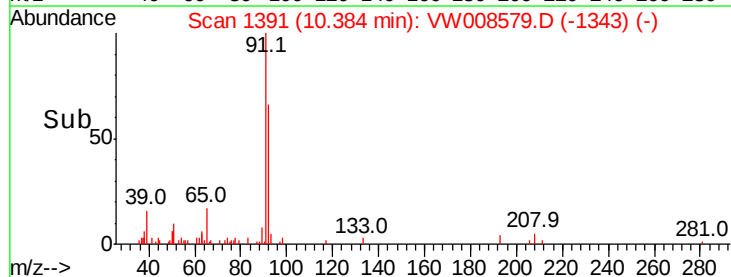
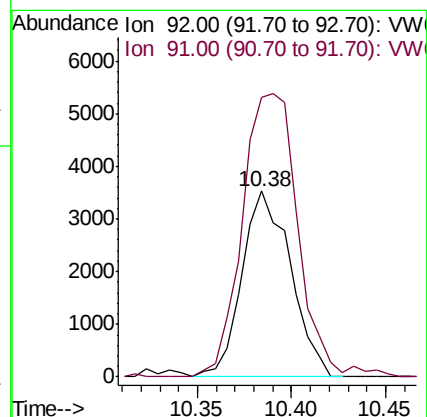
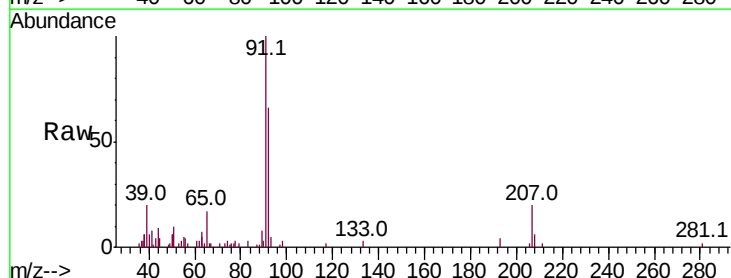
Acq: 08 Feb 2019 17:28

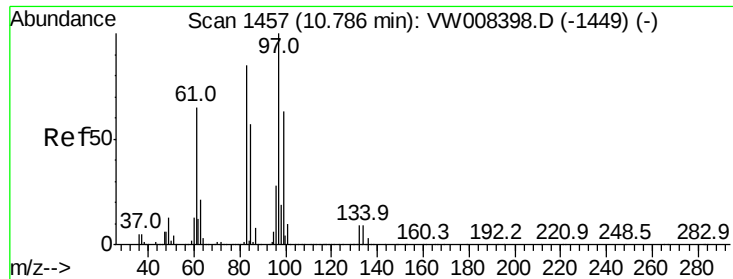
Tgt Ion: 92 Resp: 6321

Ion Ratio Lower Upper

92 100

91 175.0 135.5 203.3





#55

1,1,2-Trichloroethane

Concen: 7.406 ug/l

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-A

Tot Ion: 97 Resp: 538

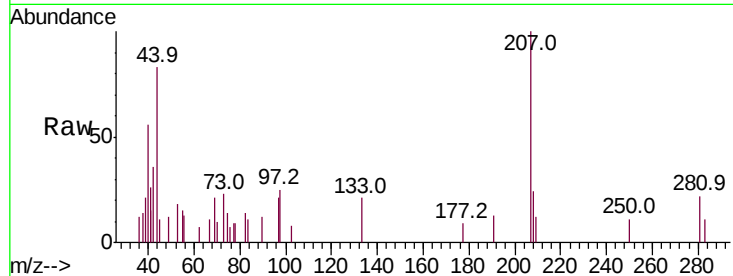
Ion Ratio Lower Upper

97 100

83 0.0 68.4 102.6#

85 0.0 45.3 67.9#

99 0.0 50.6 76.0#

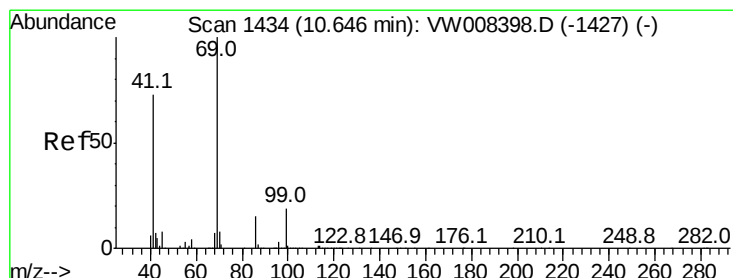
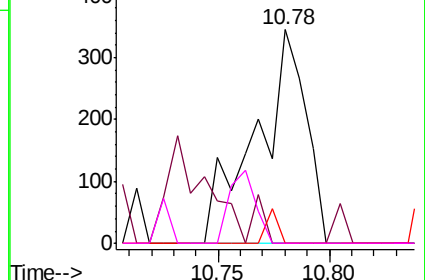
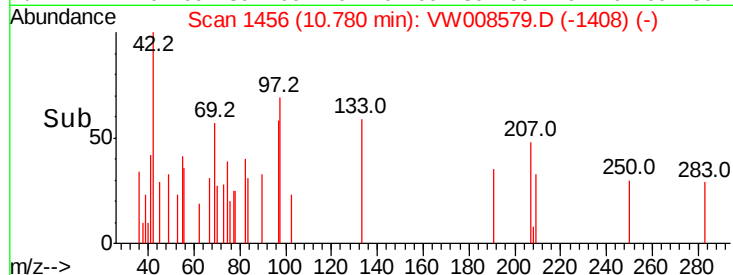


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 2.613 ug/l

RT: 10.69 min Scan# 1441

Delta R.T. 0.04 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

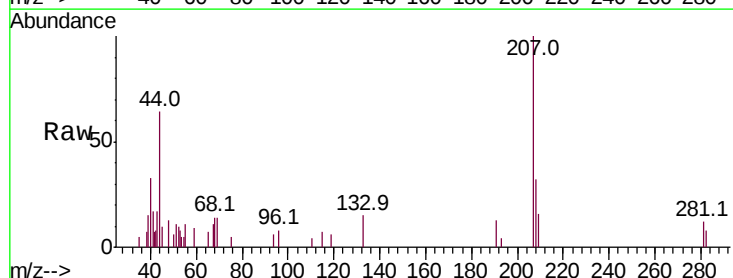
Tgt Ion: 69 Resp: 266

Ion Ratio Lower Upper

69 100

41 0.0 58.7 88.1#

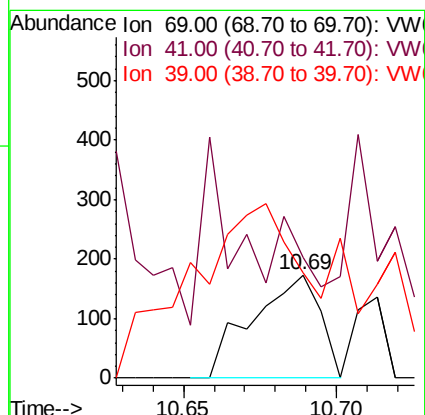
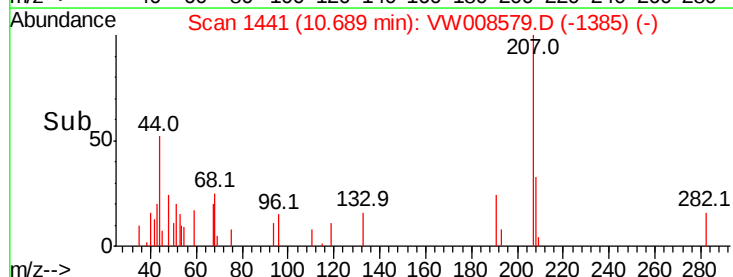
39 281.6 32.6 48.8#

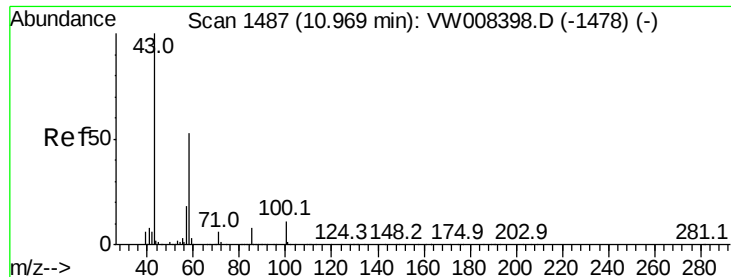


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#59

2-Hexanone

Concen: 3.879 ug/l

RT: 10.98 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

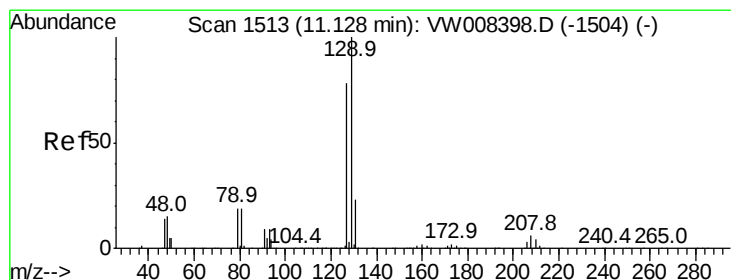
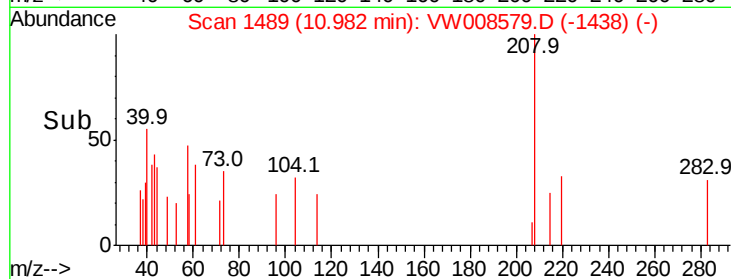
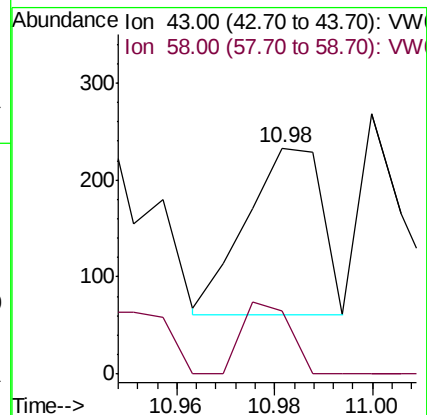
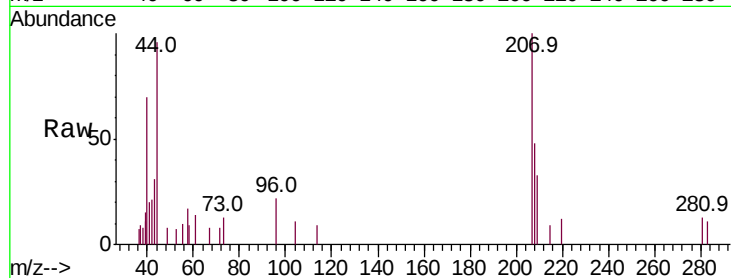
OR-03-020719-A

Tot Ion: 43 Resp: 183

Ion Ratio Lower Upper

43 100

58 27.9 25.9 77.7



#60

Dibromochloromethane

Concen: 1.425 ug/l

RT: 10.88 min Scan# 1473

Delta R.T. -0.24 min

Lab File: VW008579.D

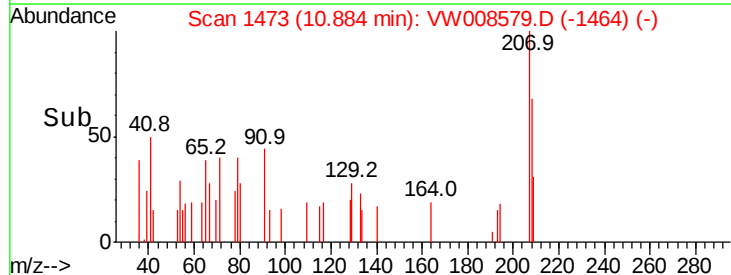
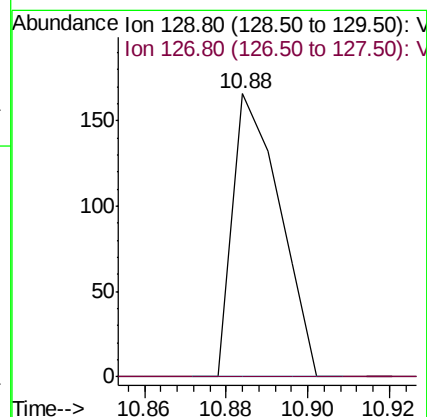
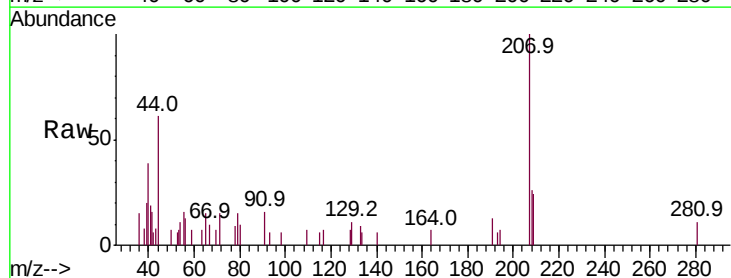
Acq: 08 Feb 2019 17:28

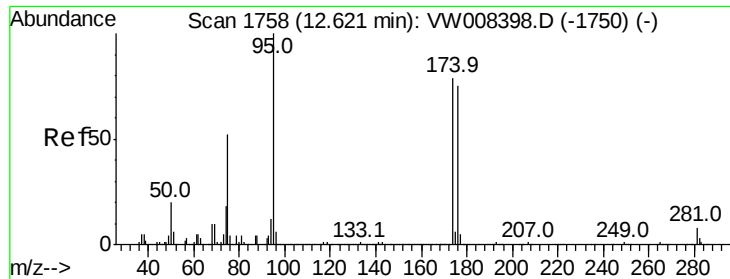
Tgt Ion: 129 Resp: 133

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#

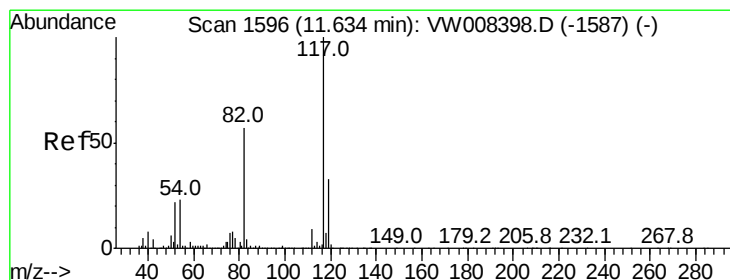
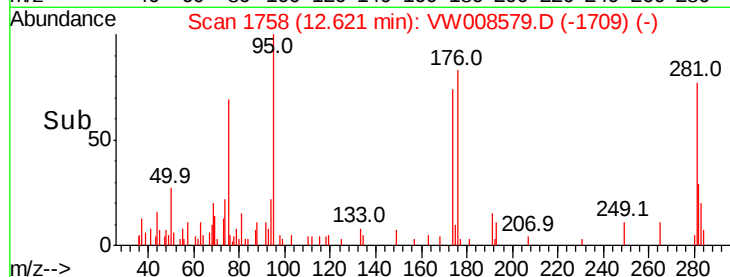
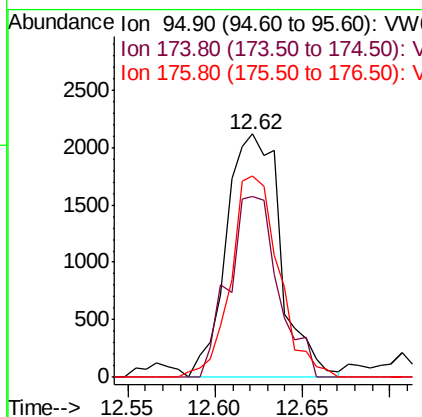
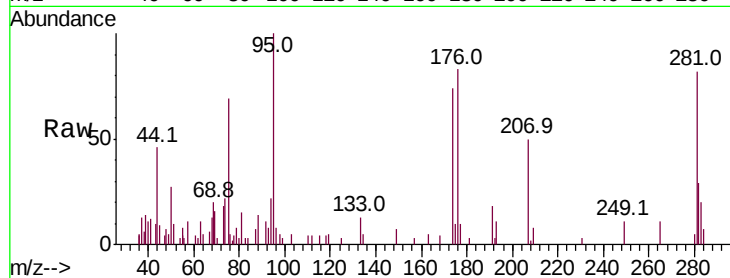




#62
4-Bromofluorobenzene
Concen: 32.663 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008579.D
Acq: 08 Feb 2019 17:28

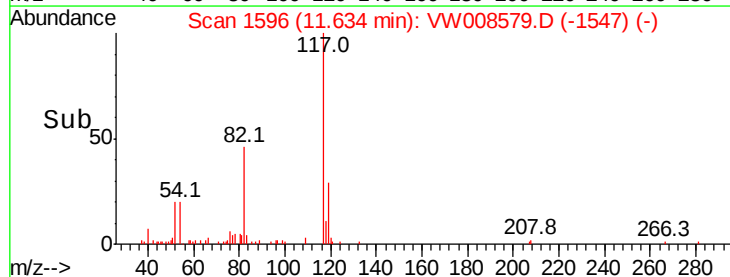
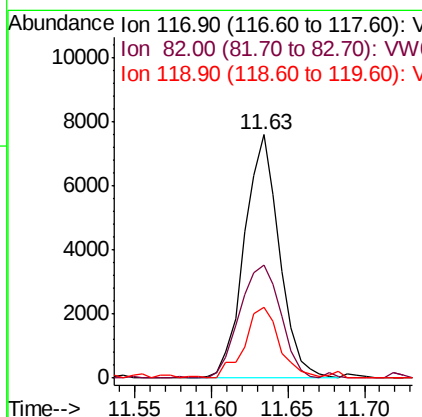
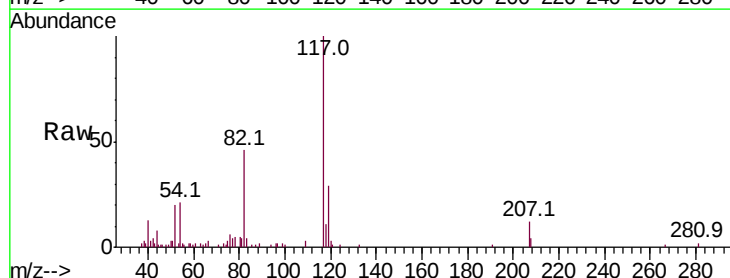
Instrument :
MSVOA_W
ClientSampleId :
OR-03-020719-A

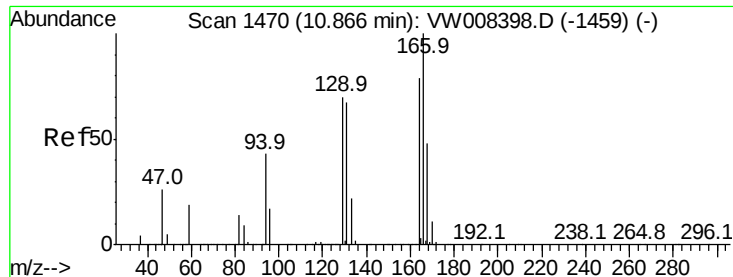
Tot Ion: 95 Resp: 4587
Ion Ratio Lower Upper
95 100
174 68.1 0.0 157.6
176 73.1 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008579.D
Acq: 08 Feb 2019 17:28

Tgt Ion: 117 Resp: 12058
Ion Ratio Lower Upper
117 100
82 46.5 45.4 68.0
119 28.0 26.2 39.4





#64

Tetrachloroethene

Concen: 1.078 ug/l

RT: 10.90 min Scan# 1475

Delta R.T. 0.03 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-A

Tot Ion:164 Resp: 88

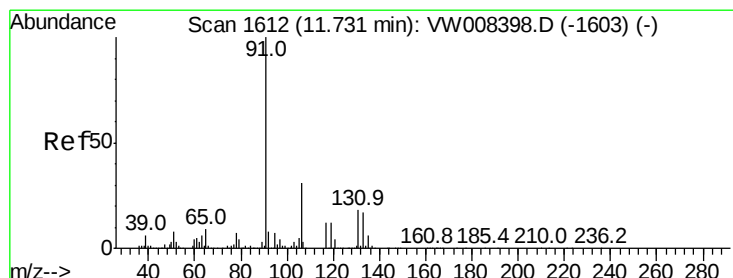
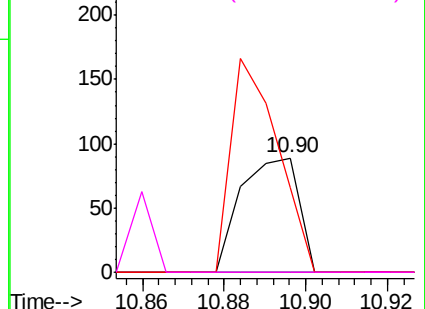
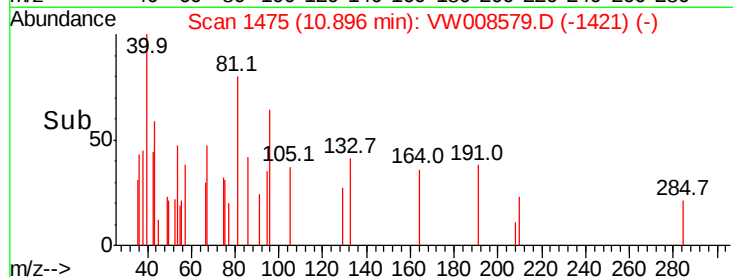
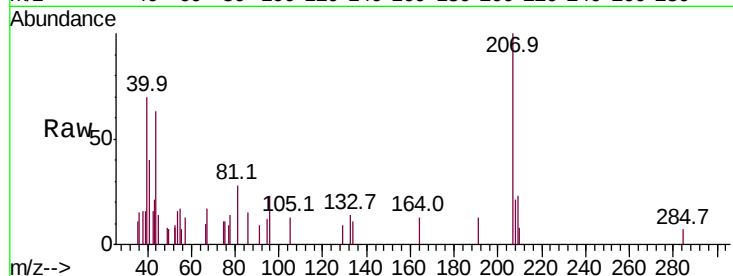
Ion Ratio Lower Upper

164 100

166 0.0 101.4 152.0#

129 74.2 71.0 106.6

131 0.0 68.3 102.5#



#67

Ethyl Benzene

Concen: 5.501 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008579.D

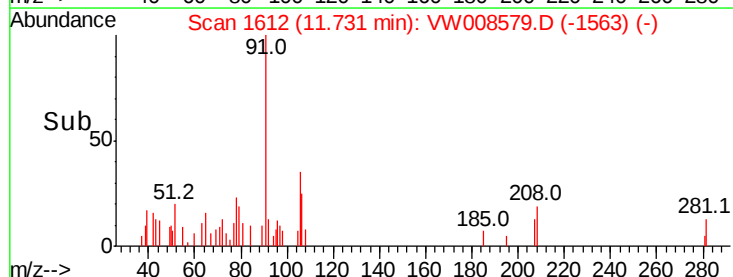
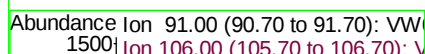
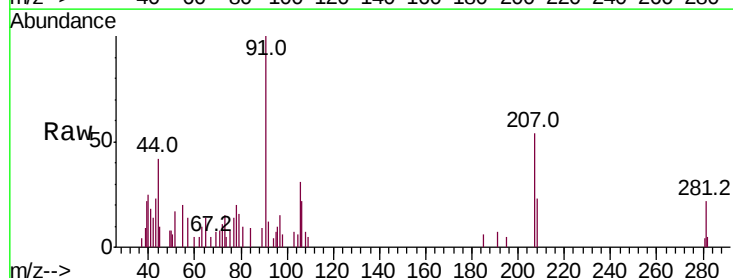
Acq: 08 Feb 2019 17:28

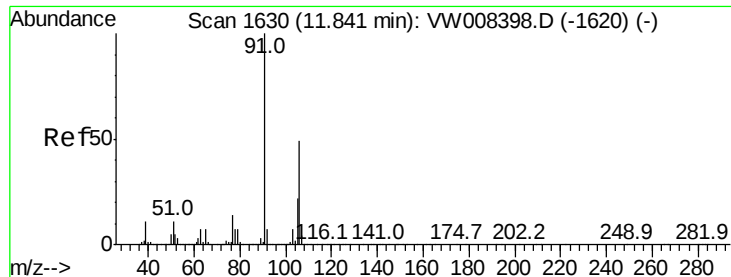
Tgt Ion: 91 Resp: 2489

Ion Ratio Lower Upper

91 100

106 52.3 24.7 37.1#

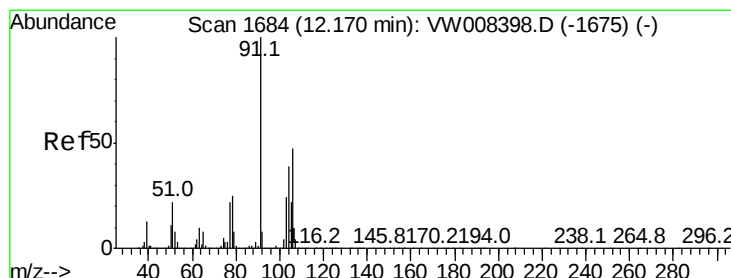
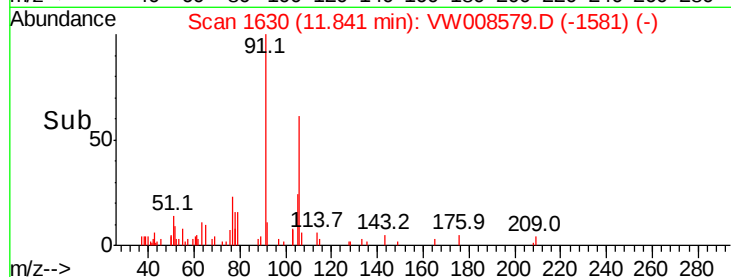
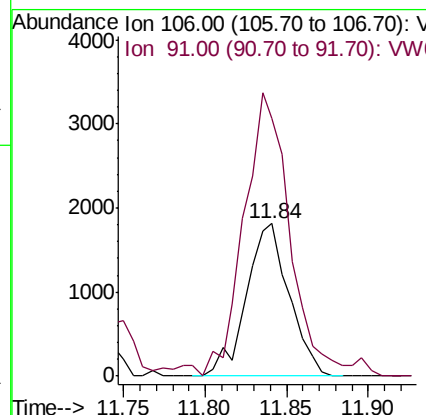
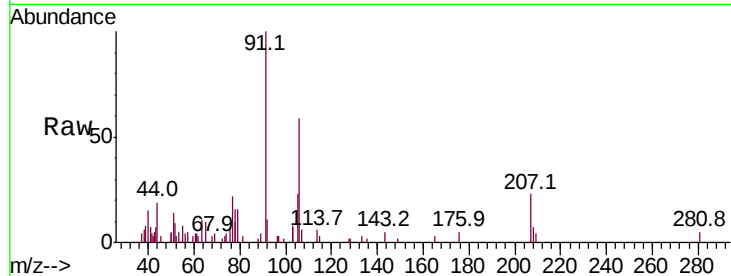




#68
m/p-Xylenes
Concen: 18.832 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008579.D
Acq: 08 Feb 2019 17:28

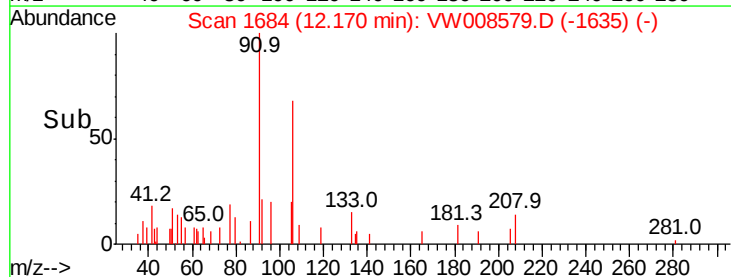
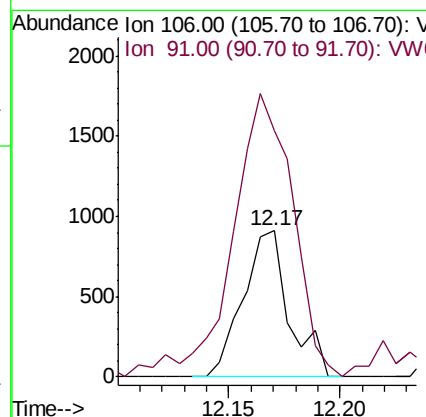
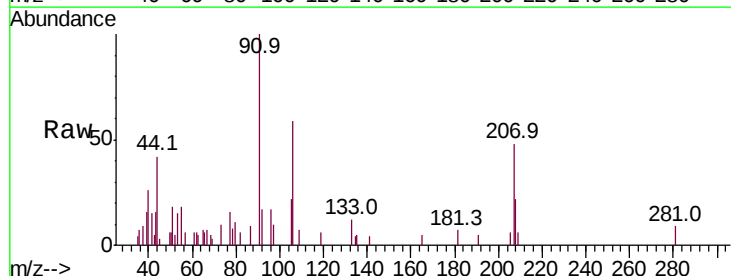
Instrument :
MSVOA_W
ClientSampleId :
OR-03-020719-A

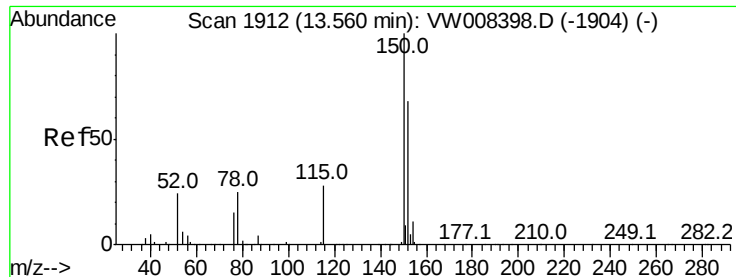
Tot Ion:106 Resp: 3306
Ion Ratio Lower Upper
106 100
91 204.5 162.9 244.3



#69
o-Xylene
Concen: 7.842 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008579.D
Acq: 08 Feb 2019 17:28

Tgt Ion:106 Resp: 1308
Ion Ratio Lower Upper
106 100
91 255.1 107.5 322.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-A

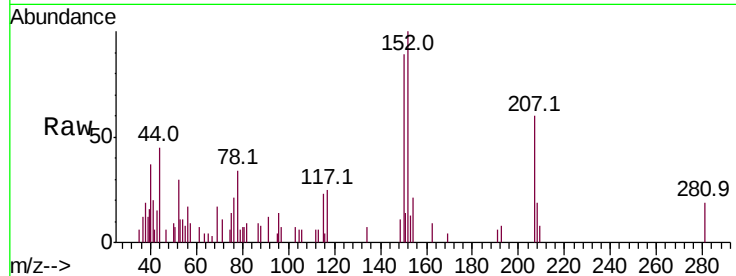
Tot Ion:152 Resp: 2472

Ion Ratio Lower Upper

152 100

115 58.5 29.9 89.7

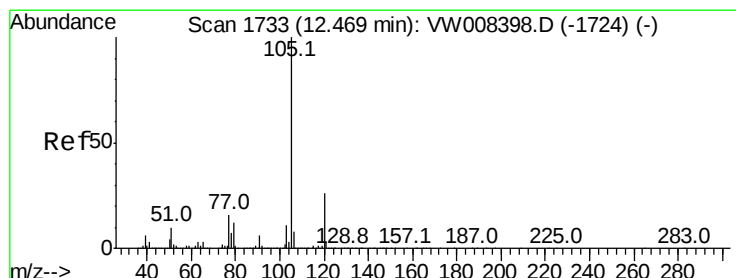
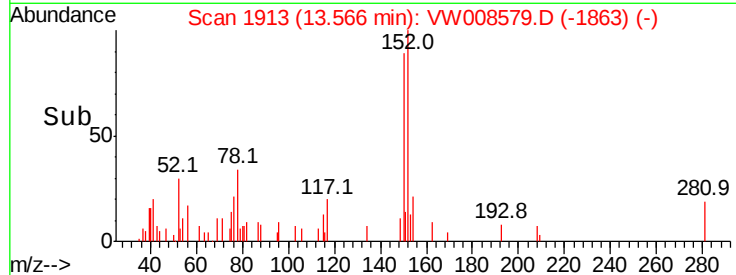
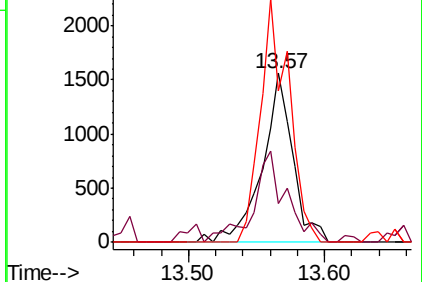
150 133.2 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.485 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008579.D

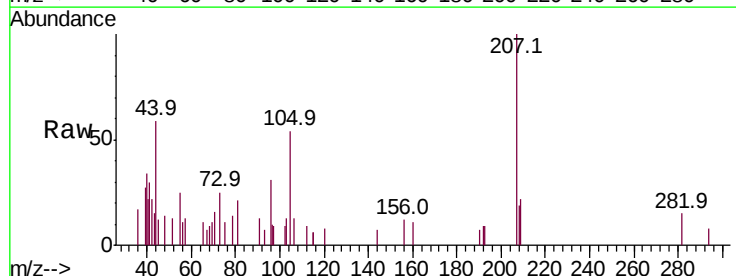
Acq: 08 Feb 2019 17:28

Tgt Ion:105 Resp: 458

Ion Ratio Lower Upper

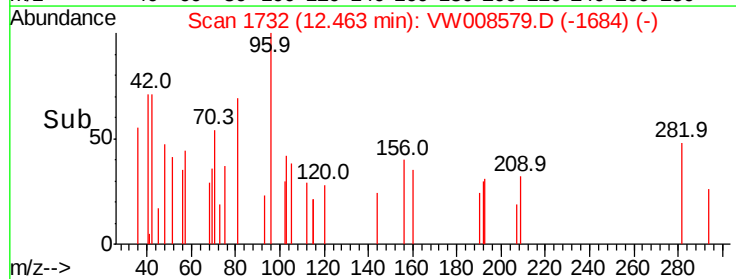
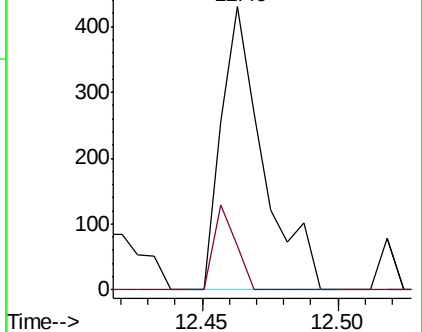
105 100

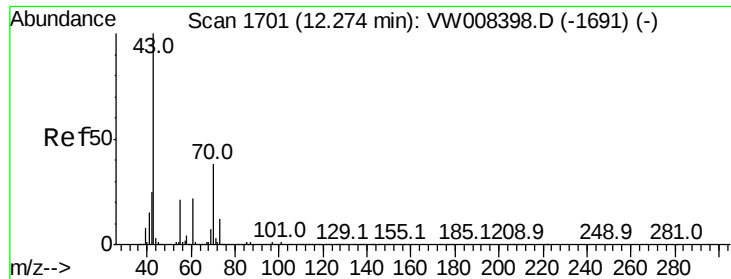
120 15.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 4.192 ug/l

RT: 12.29 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-A

Tot Ion: 43 Resp: 199

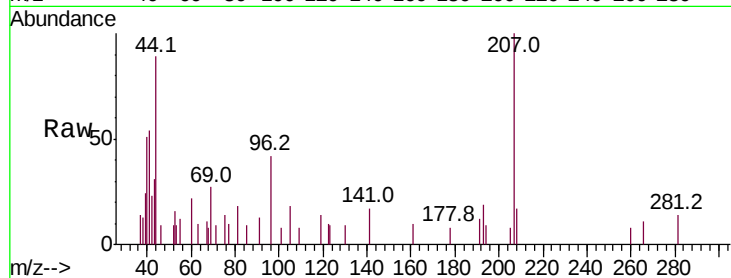
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 41.7 17.4 26.2#

61 0.0 18.2 27.4#

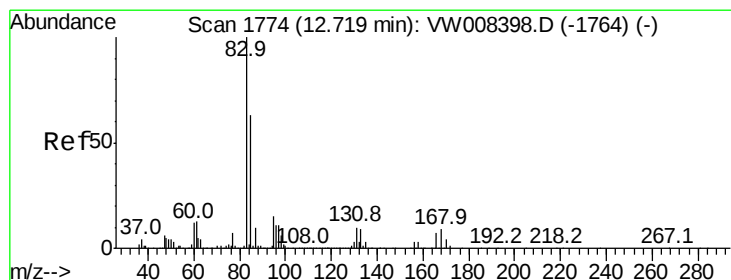
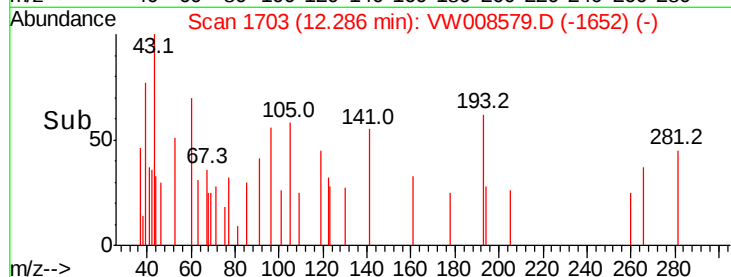
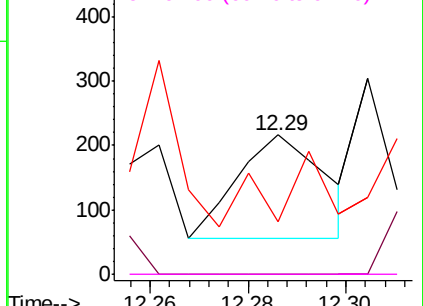


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 6.546 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

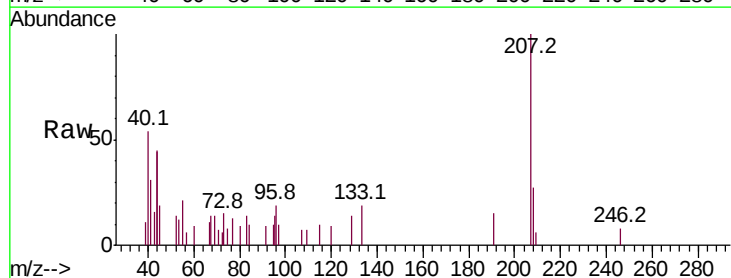
Tgt Ion: 83 Resp: 191

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

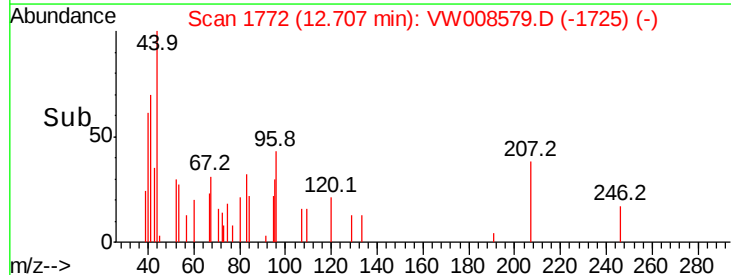
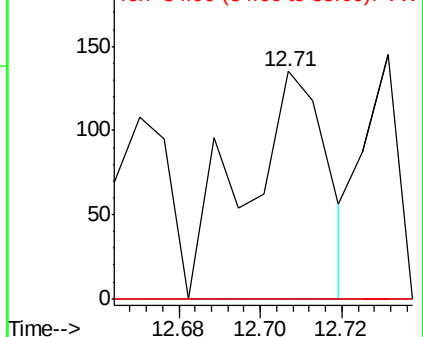
85 0.0 31.9 95.5#

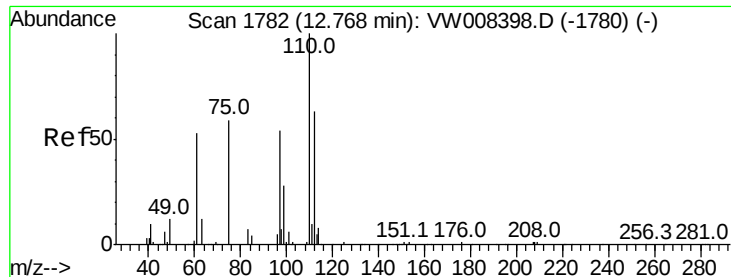


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 6.188 ug/l

RT: 12.80 min Scan# 1787

Delta R.T. 0.03 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

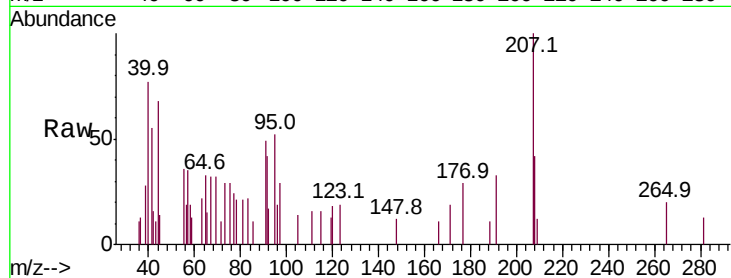
OR-03-020719-A

Tot Ion: 75 Resp: 133

Ion Ratio Lower Upper

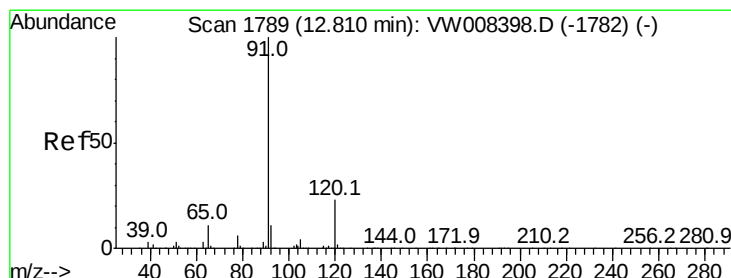
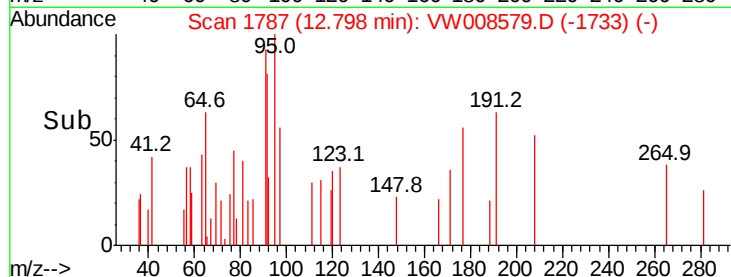
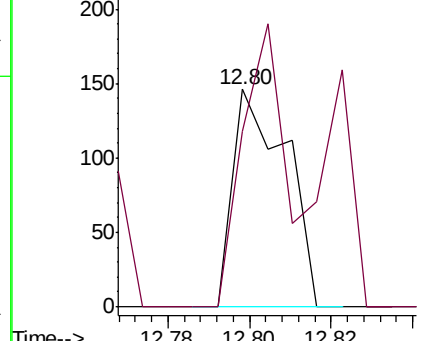
75 100

77 163.2 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#78

n-propylbenzene

Concen: 6.226 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VW008579.D

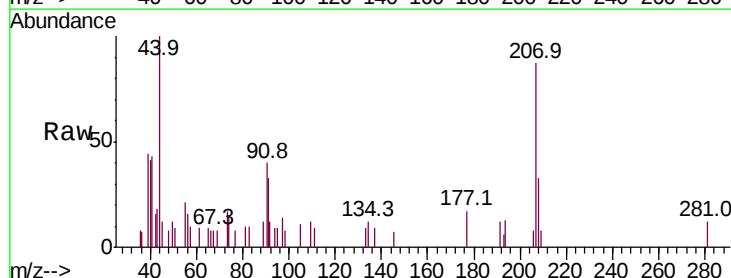
Acq: 08 Feb 2019 17:28

Tgt Ion: 91 Resp: 1378

Ion Ratio Lower Upper

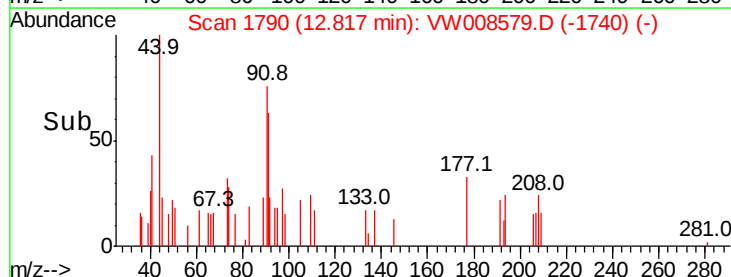
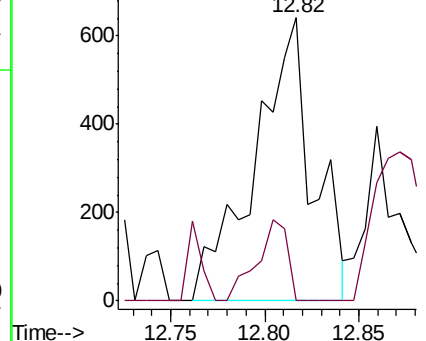
91 100

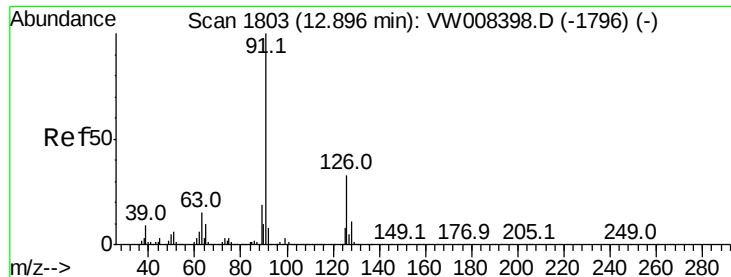
120 15.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.417 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.02 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

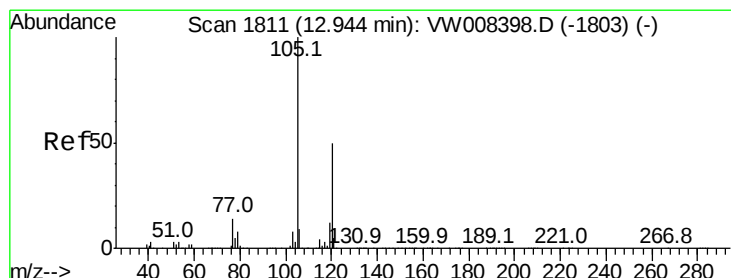
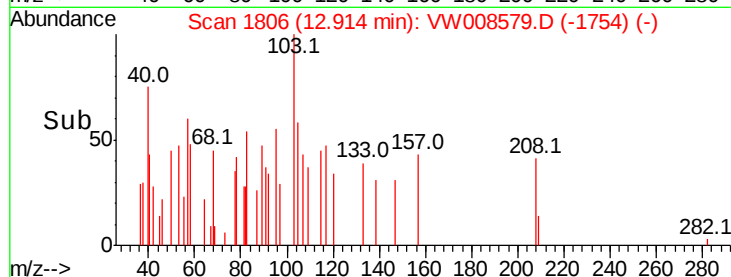
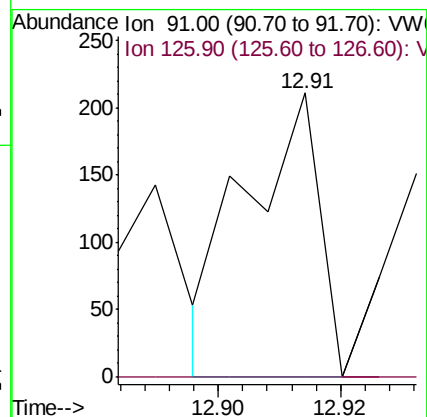
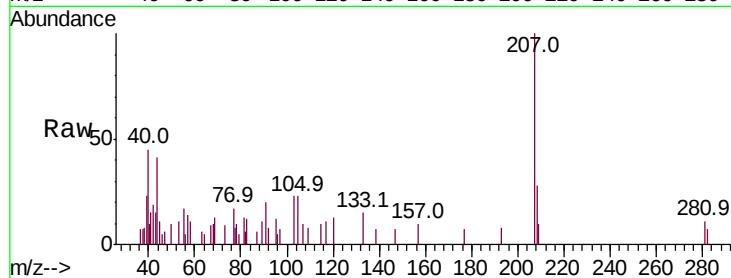
OR-03-020719-A

Tot Ion: 91 Resp: 177

Ion Ratio Lower Upper

91 100

126 0.0 16.5 49.5#



#80

1,3,5-Trimethylbenzene

Concen: 7.823 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW008579.D

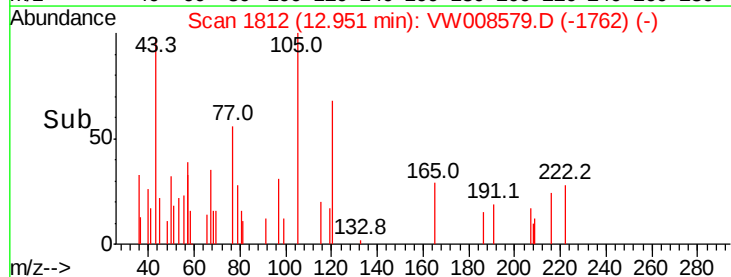
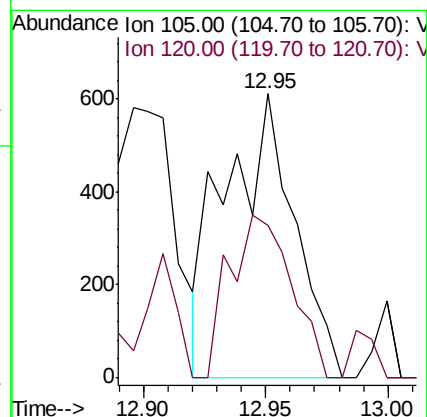
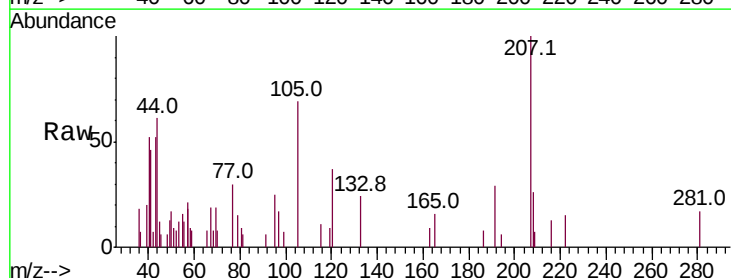
Acq: 08 Feb 2019 17:28

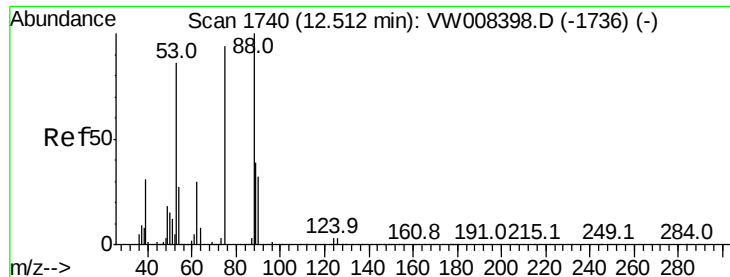
Tgt Ion: 105 Resp: 1205

Ion Ratio Lower Upper

105 100

120 51.3 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 10.660 ug/l

RT: 12.46 min Scan# 1731

Delta R.T. -0.05 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-A

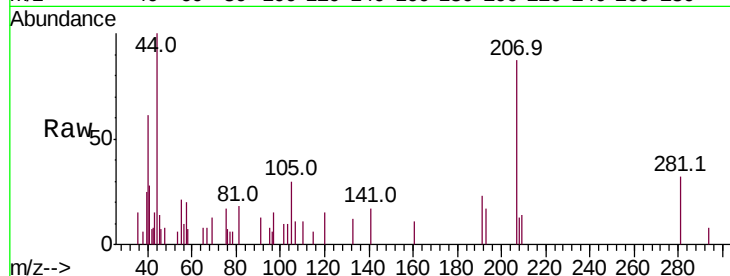
Tot Ion: 75 Resp: 116

Ion Ratio Lower Upper

75 100

53 16.4 76.0 114.0#

89 0.0 35.4 53.0#



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

12.46

12.48

12.44

12.46

12.48

12.44

12.46

12.48

12.44

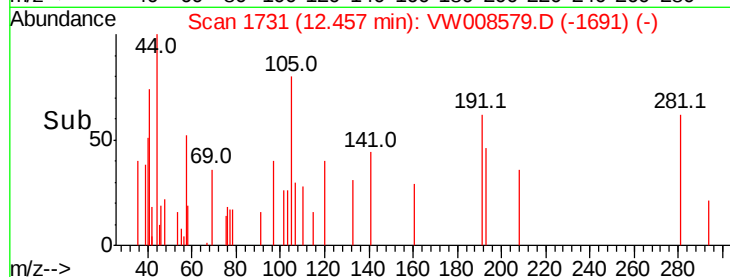
12.46

12.48

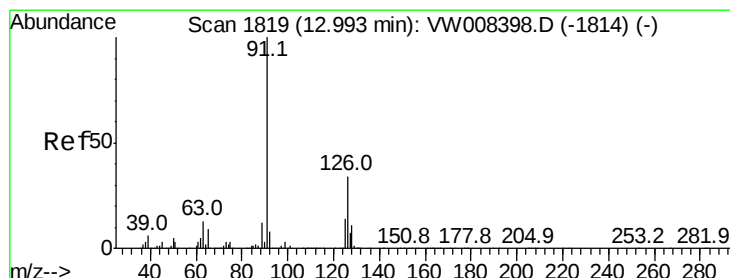
12.44

12.46

12.48



Time-->



#82

4-Chlorotoluene

Concen: 1.549 ug/l

RT: 12.97 min Scan# 1815

Delta R.T. -0.02 min

Lab File: VW008579.D

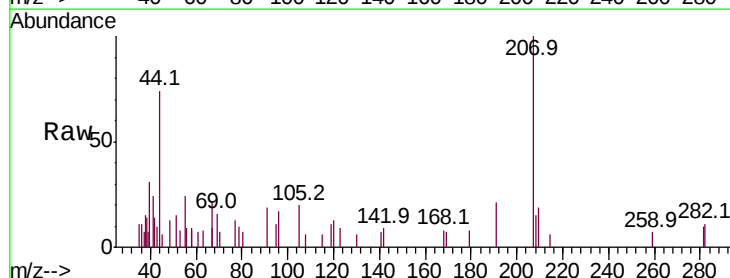
Acq: 08 Feb 2019 17:28

Tgt Ion: 91 Resp: 206

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.2#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.97

12.99

13.01

12.97

12.99

13.01

12.97

12.99

13.01

12.97

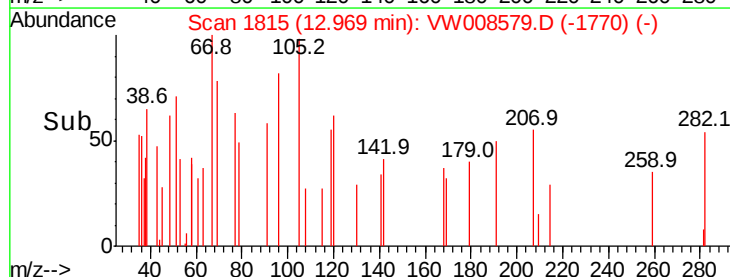
12.99

13.01

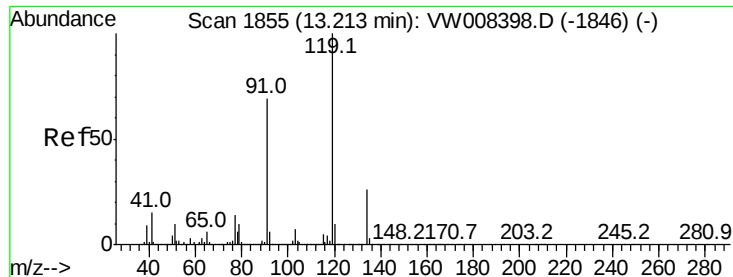
12.97

12.99

13.01



Time-->



#83

tert-Butylbenzene

Concen: 2.466 ug/l

RT: 13.45 min Scan# 1894

Delta R.T. 0.24 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampled :

OR-03-020719-A

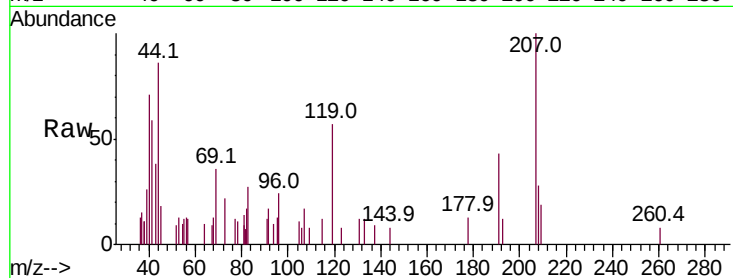
Tot Ion:119 Resp: 338

Ion Ratio Lower Upper

119 100

91 39.9 33.8 101.4

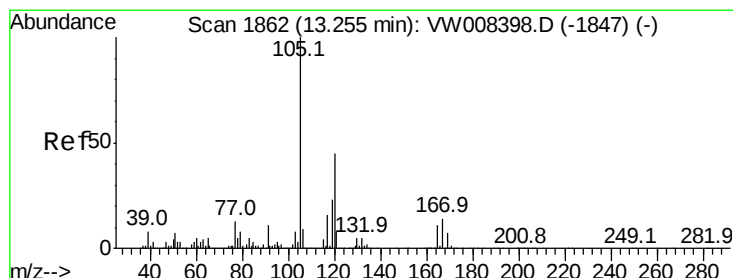
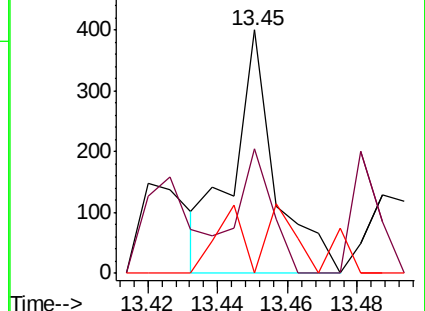
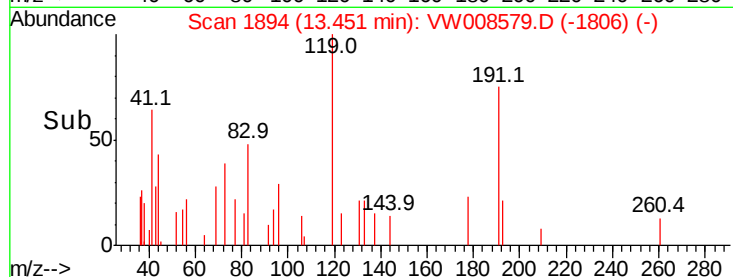
134 17.8 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.245 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008579.D

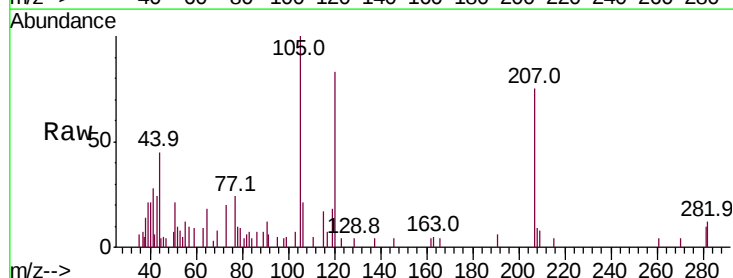
Acq: 08 Feb 2019 17:28

Tgt Ion:105 Resp: 2700

Ion Ratio Lower Upper

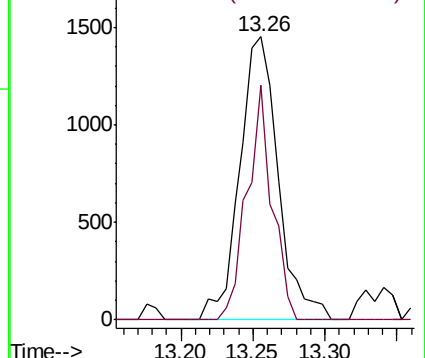
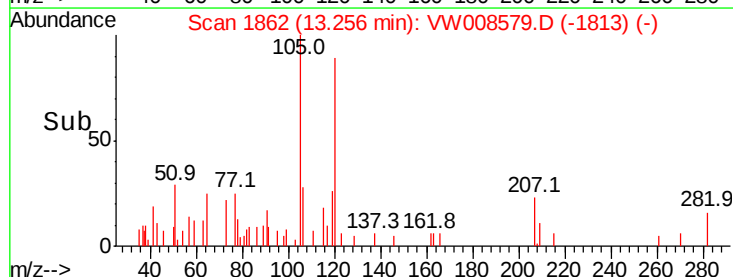
105 100

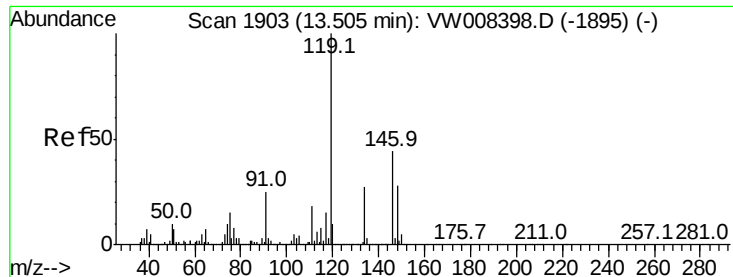
120 53.7 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

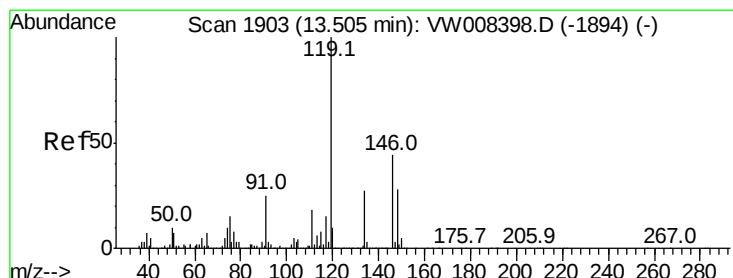
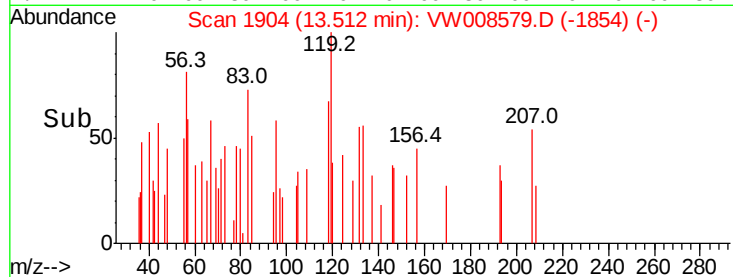
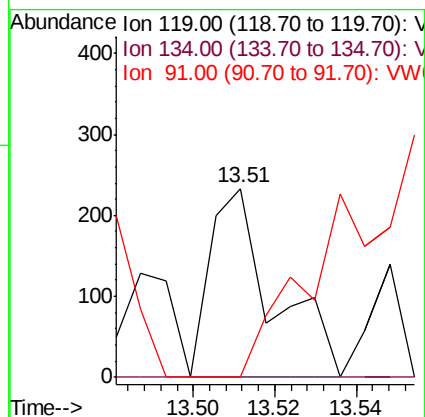
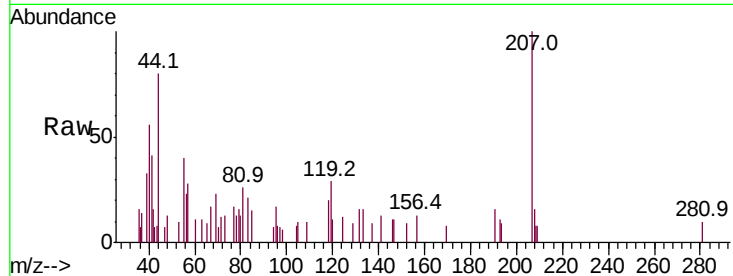




#86
 p-Isopropyltoluene
 Concen: 1.464 ug/l
 RT: 13.51 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: VW008579.D
 Acq: 08 Feb 2019 17:28

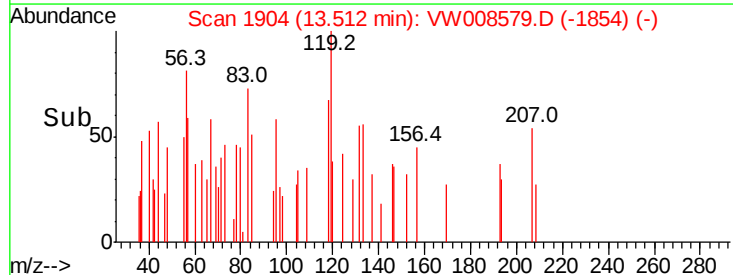
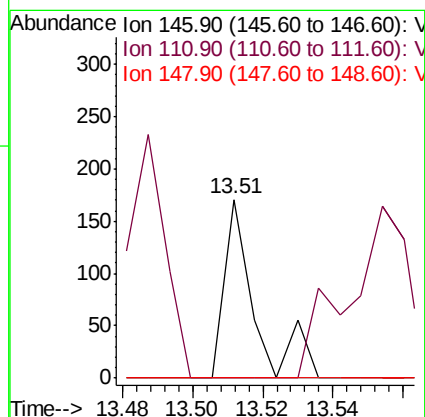
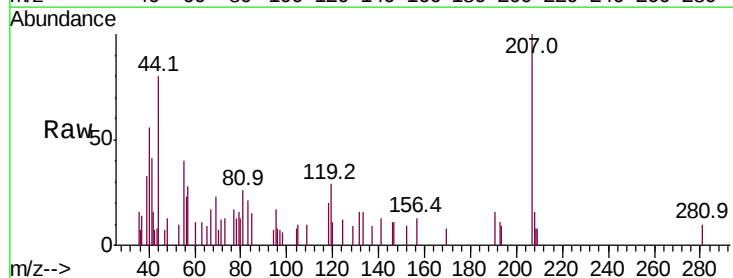
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-020719-A

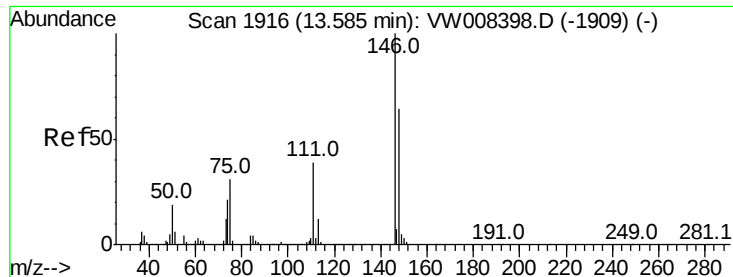
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.4	40.2#
91	0.0	12.6	37.6#



#87
 1,3-Dichlorobenzene
 Concen: 1.267 ug/l
 RT: 13.51 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: VW008579.D
 Acq: 08 Feb 2019 17:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.3	60.9#
148	0.0	31.9	95.7#

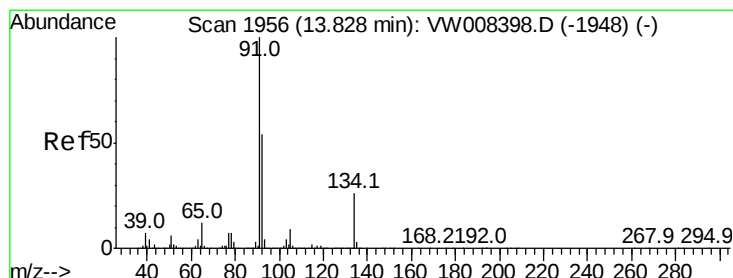
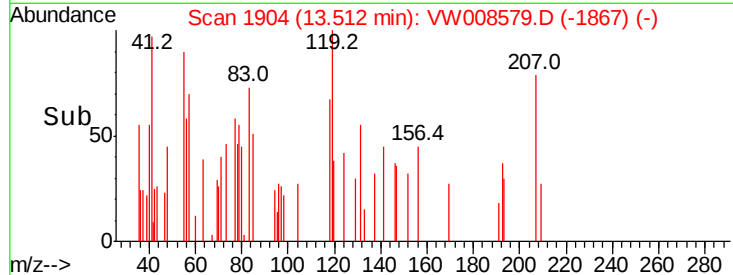
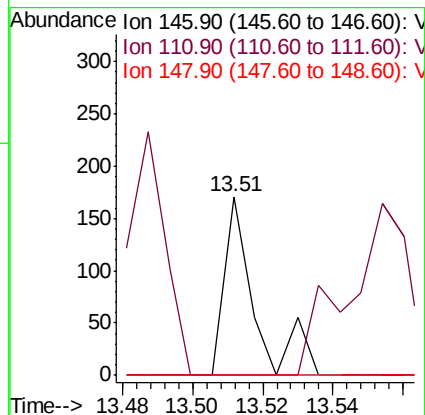
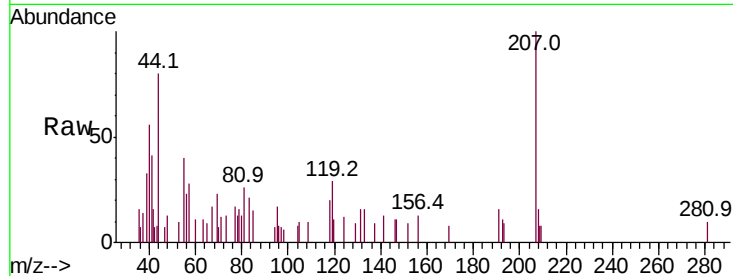




#88
 1,4-Dichlorobenzene
 Concen: 1.275 ug/l
 RT: 13.51 min Scan# 1904
 Delta R.T. -0.07 min
 Lab File: VW008579.D
 Acq: 08 Feb 2019 17:28

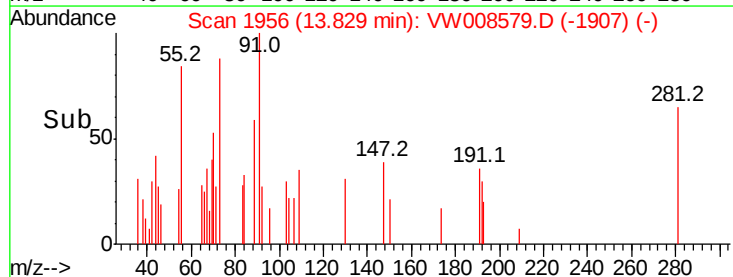
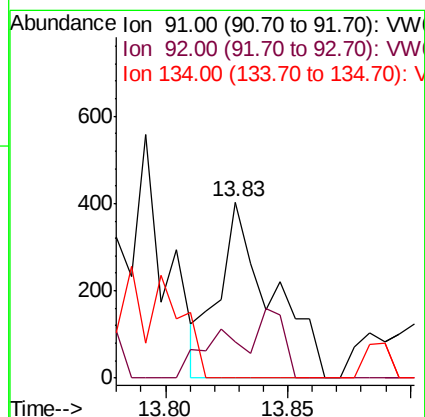
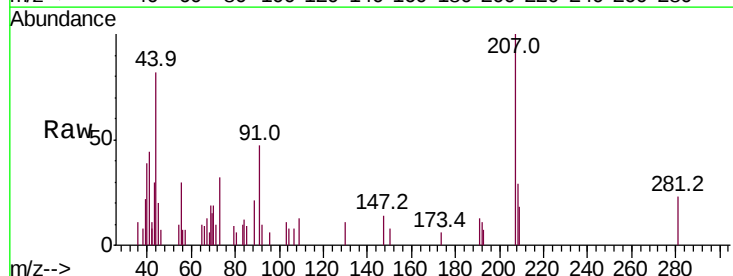
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-020719-A

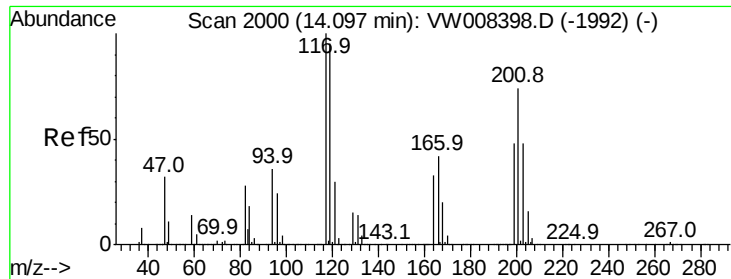
Tot Ion:146 Resp: 103
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.0 60.0#
 148 0.0 32.0 96.2#



#89
 n-Butylbenzene
 Concen: 3.576 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW008579.D
 Acq: 08 Feb 2019 17:28

Tgt Ion: 91 Resp: 602
 Ion Ratio Lower Upper
 91 100
 92 22.9 27.4 82.2#
 134 0.0 13.0 39.0#





#90

Hexachloroethane

Concen: 2.117 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

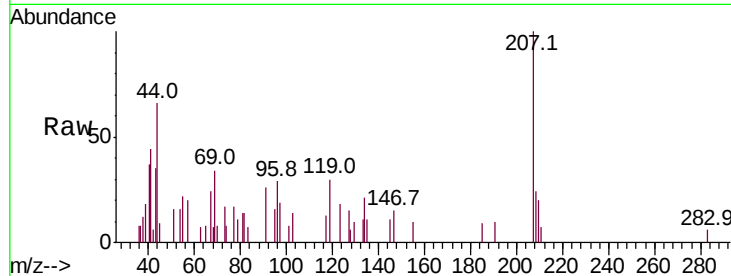
OR-03-020719-A

Tot Ion:117 Resp: 71

Ion Ratio Lower Upper

117 100

201 0.0 39.1 117.5#

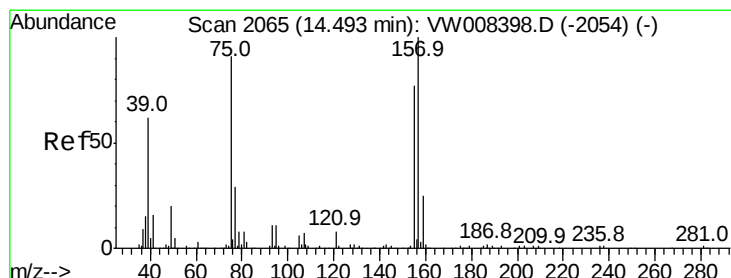
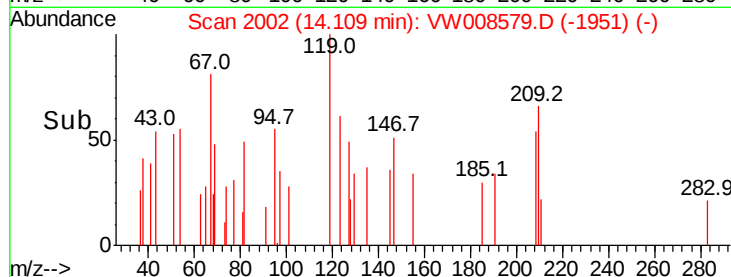


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.11

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.587 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.01 min

Lab File: VW008579.D

Acq: 08 Feb 2019 17:28

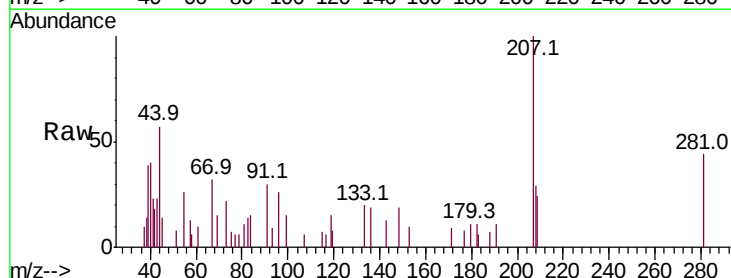
Tgt Ion: 75 Resp: 42

Ion Ratio Lower Upper

75 100

155 0.0 42.7 128.1#

157 0.0 55.5 166.3#



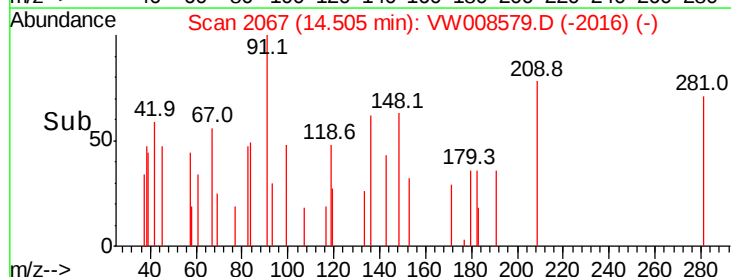
Abundance Ion 74.90 (74.60 to 75.60): VW

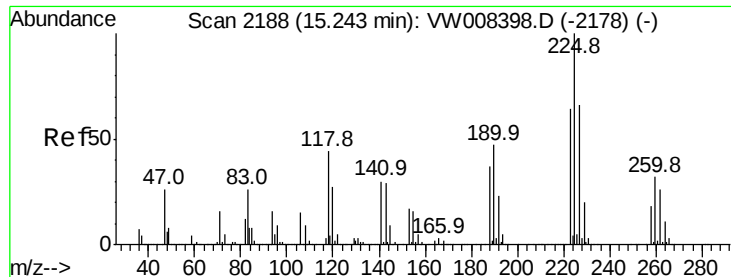
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.51

Time-->

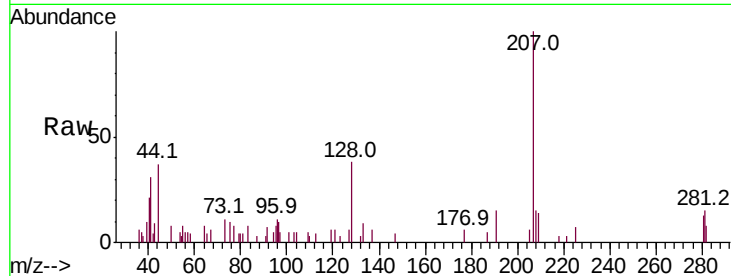




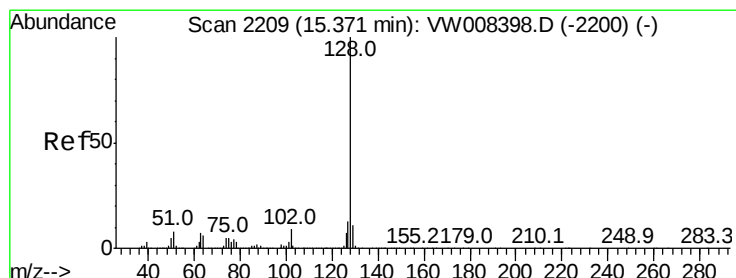
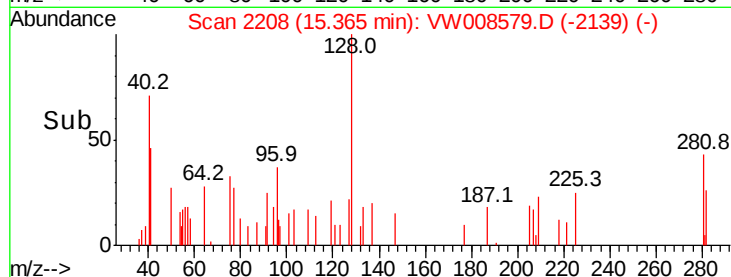
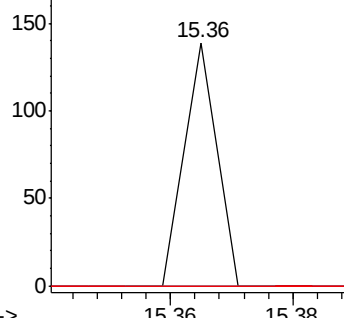
#94
Hexachlorobutadiene
Concen: 1.649 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.12 min
Lab File: VW008579.D
Acq: 08 Feb 2019 17:28

Instrument :
MSVOA_W
ClientSampleId :
OR-03-020719-A

Tot Ion:225 Resp: 51
Ion Ratio Lower Upper
225 100
223 0.0 31.7 95.1#
227 0.0 32.1 96.3#

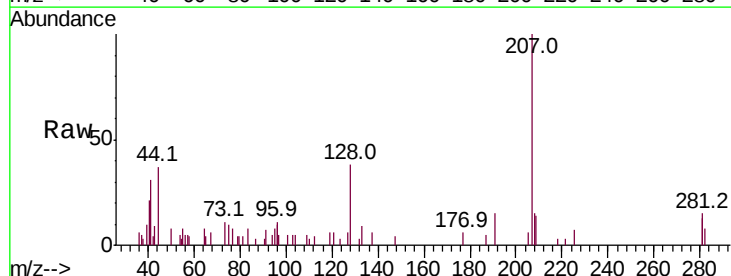


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95
Naphthalene
Concen: 17.355 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW008579.D
Acq: 08 Feb 2019 17:28

Tgt Ion:128 Resp: 1564
Ion Ratio Lower Upper
128 100
127 19.8 10.6 15.8#
129 12.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

