

Data File : VW007179.D
Acq On : 04 Dec 2018 11:02
Operator : SY/AP
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: Dec 05 00:45:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 00:43:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	125202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	189248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	175648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	90240	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	5750	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	
35) Dibromofluoromethane	7.88	113	5169	4.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.54%	
50) Toluene-d8	10.32	98	24768	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	
62) 4-Bromofluorobenzene	12.62	95	9561	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	7829	5.715	ug/l	97
3) Chloromethane	2.22	50	9413	5.426	ug/l	100
4) Vinyl Chloride	2.35	62	5868	5.403	ug/l	100
5) Bromomethane	2.76	94	3036	5.578	ug/l	96
6) Chloroethane	2.92	64	3265	5.358	ug/l #	88
7) Trichlorofluoromethane	3.26	101	10721	5.063	ug/l	93
8) Diethyl Ether	3.68	74	2596	4.398	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.07	101	6553	5.123	ug/l	94
10) Methyl Iodide	4.27	142	5170	4.744	ug/l	97
11) Tert butyl alcohol	5.14	59	5663	41.624	ug/l #	78
12) 1,1-Dichloroethene	4.03	96	6197	5.169	ug/l #	87
13) Acrolein	3.90	56	1924	23.556	ug/l	98
14) Allyl chloride	4.68	41	9453	4.920	ug/l	97
15) Acrylonitrile	5.38	53	5522	22.379	ug/l	98
16) Acetone	4.13	43	6577	23.833	ug/l	99
17) Carbon Disulfide	4.38	76	19578	4.955	ug/l	98
18) Methyl Acetate	4.68	43	2865	4.548	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	13149	4.659	ug/l	93
20) Methylene Chloride	4.92	84	10637	6.482	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	6567	4.906	ug/l	94
22) Diisopropyl ether	6.31	45	16804	4.872	ug/l	97
23) Vinyl Acetate	6.26	43	43088	22.893	ug/l	100
24) 1,1-Dichloroethane	6.21	63	10685	4.833	ug/l	98
25) 2-Butanone	7.18	43	7476	23.371	ug/l	93
26) 2,2-Dichloropropane	7.17	77	11286	5.312	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	6886	4.799	ug/l	95
28) Bromochloromethane	7.51	49	4072	5.108	ug/l	97
29) Tetrahydrofuran	7.54	42	4352	22.016	ug/l	98
30) Chloroform	7.67	83	11116	4.838	ug/l	93
31) Cyclohexane	7.95	56	13465	5.821	ug/l #	78
32) 1,1,1-Trichloroethane	7.87	97	10971	5.074	ug/l	99
36) 1,1-Dichloropropene	8.09	75	9597	5.212	ug/l	99
37) Ethyl Acetate	7.26	43	3378	5.071	ug/l	98
38) Carbon Tetrachloride	8.07	117	9905	5.270	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	13264	5.381	ug/l	96
40) Benzene	8.32	78	25394	5.029	ug/l	98
41) Methacrylonitrile	7.49	41	1704	4.271	ug/l #	77
42) 1,2-Dichloroethane	8.40	62	6955	4.928	ug/l	98
43) Isopropyl Acetate	8.43	43	6051	4.677	ug/l	96
44) Trichloroethene	9.09	130	7209	5.079	ug/l	97
45) 1,2-Dichloropropane	9.37	63	6081	5.175	ug/l	99
46) Dibromomethane	9.46	93	2950	4.831	ug/l	97
47) Bromodichloromethane	9.65	83	7715	4.804	ug/l	96
48) Methyl methacrylate	9.44	41	2980	4.438	ug/l	94
49) 1,4-Dioxane	9.45	88	1083	101.535	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	15166	23.789	ug/l	100
52) Toluene	10.39	92	18184	5.177	ug/l	95
53) t-1,3-Dichloropropene	10.60	75	7947	4.921	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	9226	4.875	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	4234	4.875	ug/l	92
56) Ethyl methacrylate	10.65	69	5301	4.679	ug/l	98
57) 1,3-Dichloropropane	10.93	76	7255	4.948	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	11301	24.835	ug/l	97
59) 2-Hexanone	10.97	43	10947	23.687	ug/l	98
60) Dibromochloromethane	11.13	129	5121	4.797	ug/l	95
61) 1,2-Dibromoethane	11.24	107	3932	4.720	ug/l	100
64) Tetrachloroethene	10.87	164	6772	5.277	ug/l	95
65) Chlorobenzene	11.66	112	19862	5.063	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	5881	4.854	ug/l	97
67) Ethyl Benzene	11.73	91	37299	5.217	ug/l	97
68) m/p-Xylenes	11.84	106	28915	10.309	ug/l	98
69) o-Xylene	12.17	106	13409	5.117	ug/l	99
70) Styrene	12.18	104	22026	5.134	ug/l	99
71) Bromoform	12.35	173	2647	4.365	ug/l #	98
73) Isopropylbenzene	12.47	105	37192	5.067	ug/l	99
74) N-amyl acetate	12.27	43	5987	4.601	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	4497	4.718	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	6063	4.999	ug/l #	100
77) Bromobenzene	12.75	156	8011	5.057	ug/l	96
78) n-propylbenzene	12.81	91	46102	5.272	ug/l	97
79) 2-Chlorotoluene	12.90	91	25578	5.180	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	32524	5.180	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	1438	4.436	ug/l	92
82) 4-Chlorotoluene	12.99	91	26573	5.059	ug/l	99
83) tert-Butylbenzene	13.21	119	28565	5.206	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	33924	5.293	ug/l	100
85) sec-Butylbenzene	13.39	105	40642	5.188	ug/l	97
86) p-Isopropyltoluene	13.51	119	36746	5.270	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	16893	5.194	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	17074	5.197	ug/l	95
89) n-Butylbenzene	13.83	91	33916	5.205	ug/l	99
90) Hexachloroethane	14.09	117	5299	4.987	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	14264	5.066	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	831	4.500	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120418\
Quantitation Report (Not Reviewed)

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ClientSampleId :
VSTDICC005

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	9843	5.045	ug/l	97
94) Hexachlorobutadiene	15.24	225	5328	5.064	ug/l	96
95) Naphthalene	15.38	128	16197	4.632	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	8336	5.067	ug/l	96

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

Data File : VW007179.D

Acq On : 04 Dec 2018 11:02

Operator : SY/AP

Sample : VSTDICC005

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

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

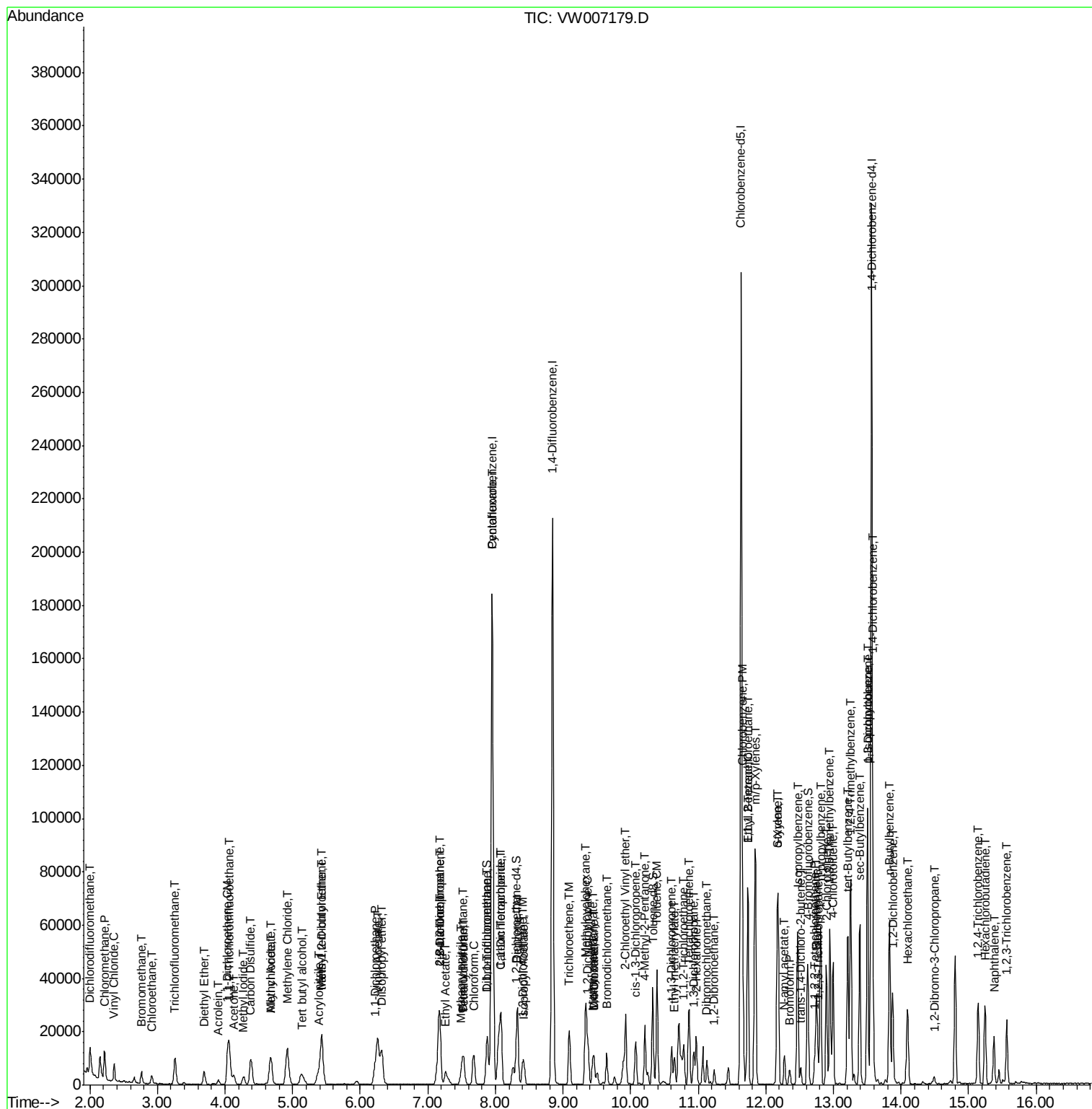
Quant Time: Dec 05 00:45:49 2018

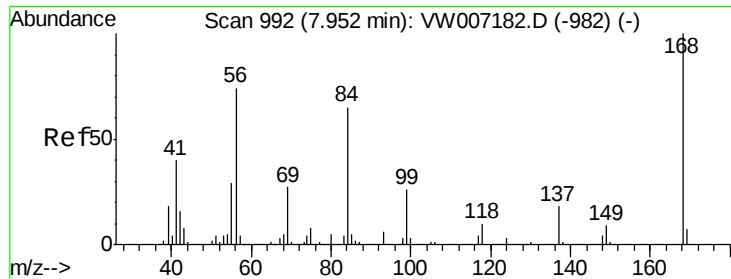
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W120418S.M

Quant Title : SW846 8260

QLast Update : Wed Dec 05 00:43:04 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

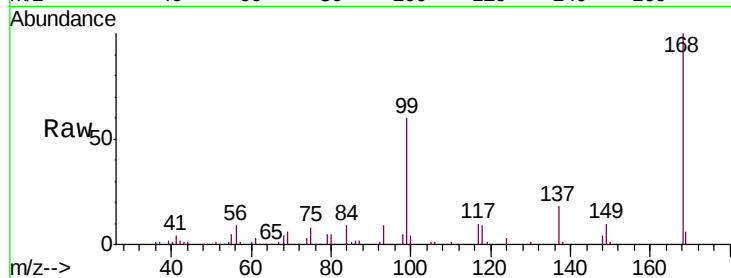
VSTDIC005

Tgt Ion:168 Resp: 125202

Ion Ratio Lower Upper

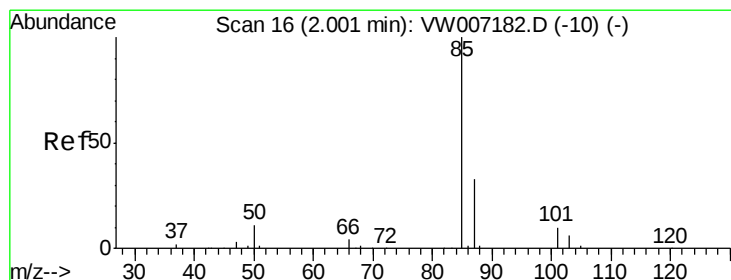
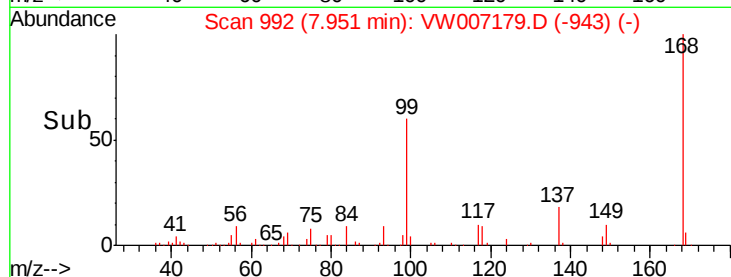
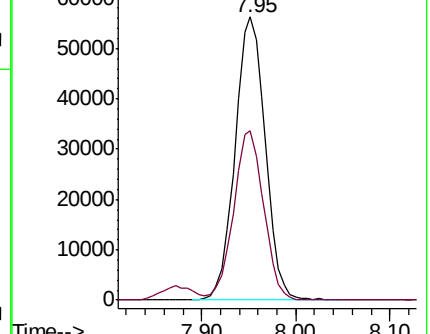
168 100

99 59.6 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 5.715 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007179.D

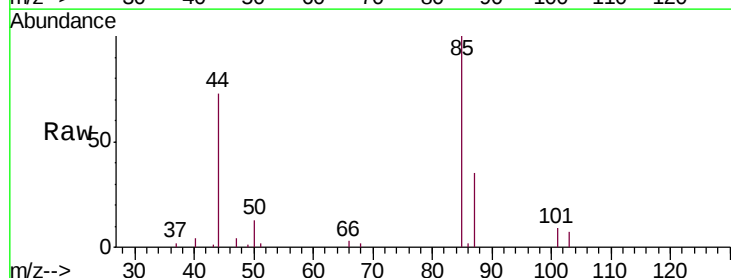
Acq: 04 Dec 2018 11:02

Tgt Ion: 85 Resp: 7829

Ion Ratio Lower Upper

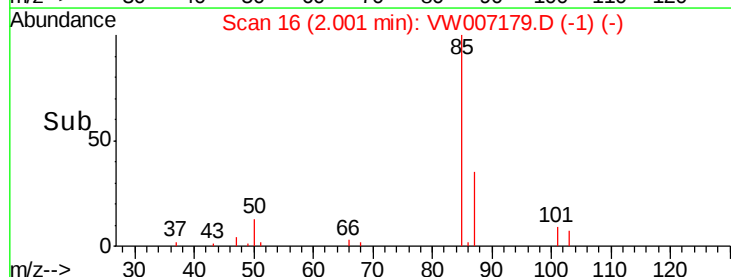
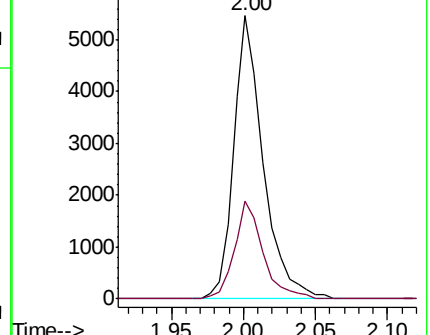
85 100

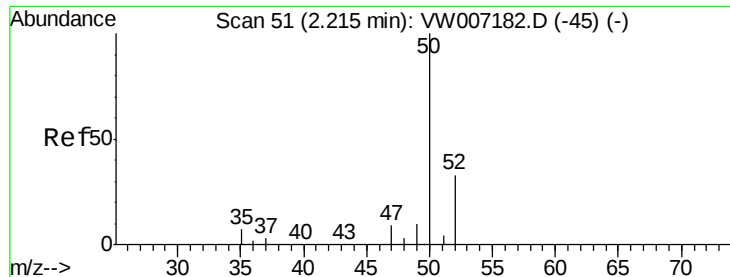
87 34.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 5.426 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

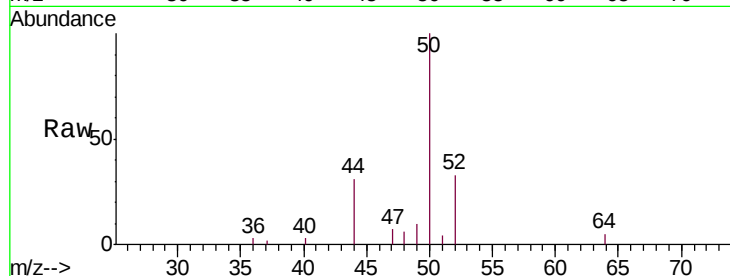
VSTDIC005

Tgt Ion: 50 Resp: 9413

Ion Ratio Lower Upper

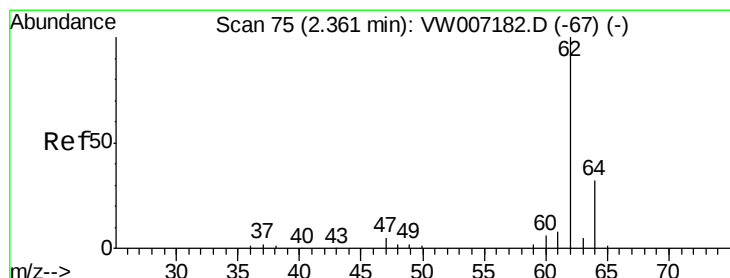
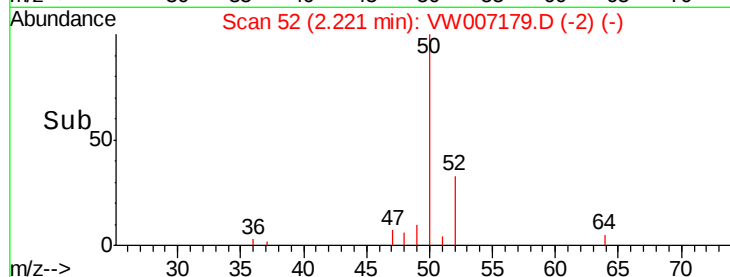
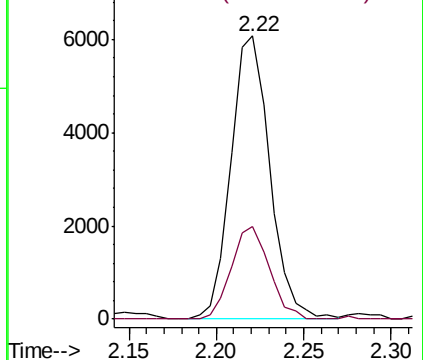
50 100

52 32.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 5.403 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007179.D

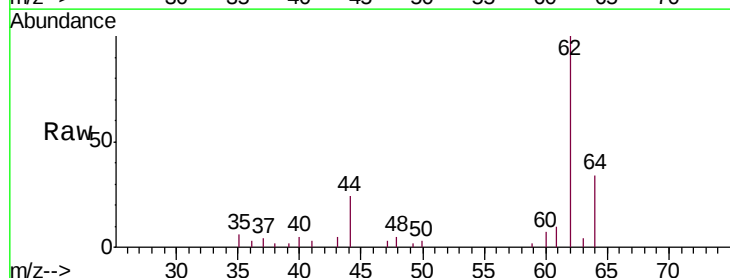
Acq: 04 Dec 2018 11:02

Tgt Ion: 62 Resp: 5868

Ion Ratio Lower Upper

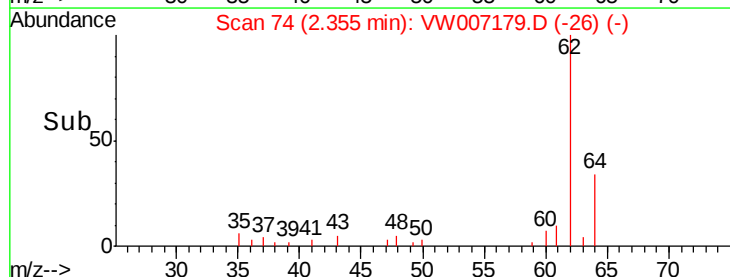
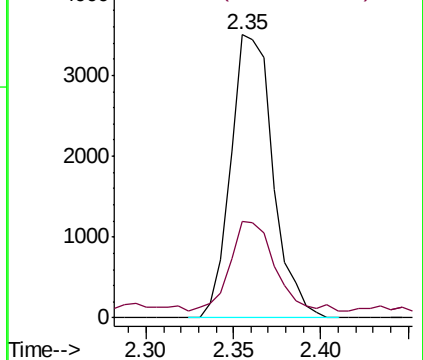
62 100

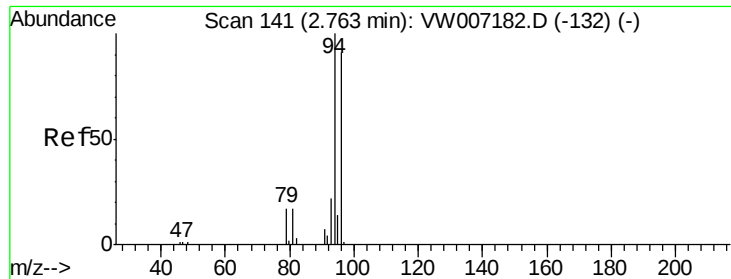
64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 5.578 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

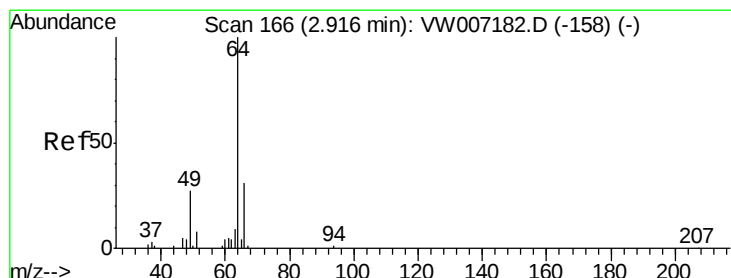
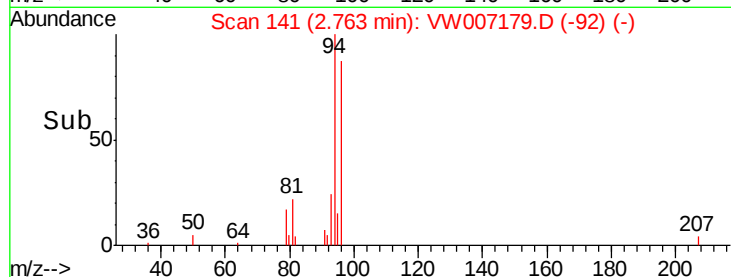
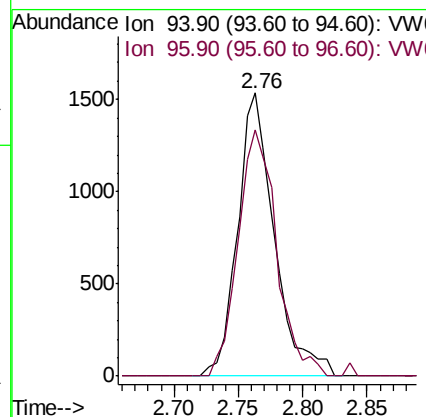
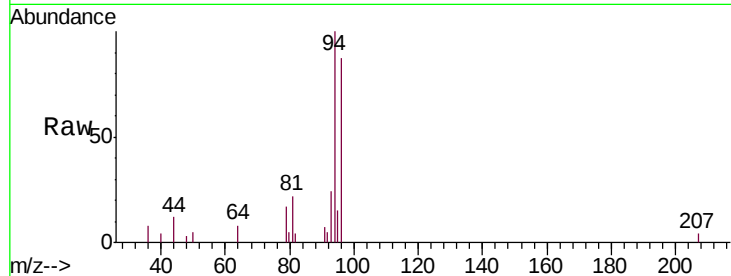
VSTDIC005

Tgt Ion: 94 Resp: 3036

Ion Ratio Lower Upper

94 100

96 87.0 72.8 109.2



#6

Chloroethane

Concen: 5.358 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW007179.D

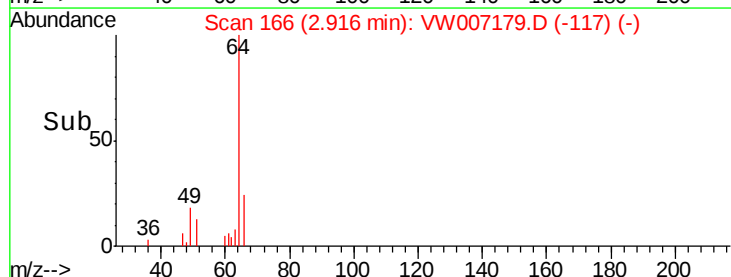
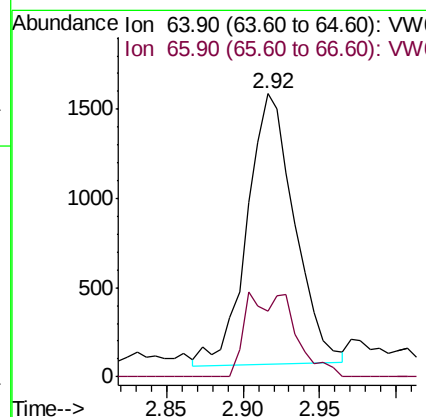
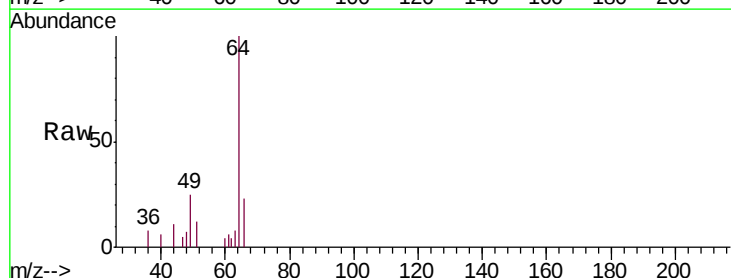
Acq: 04 Dec 2018 11:02

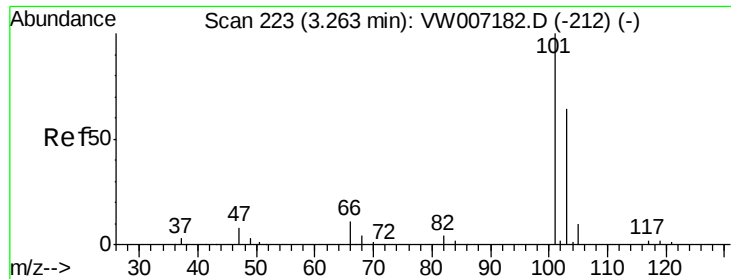
Tgt Ion: 64 Resp: 3265

Ion Ratio Lower Upper

64 100

66 24.5 25.0 37.6#



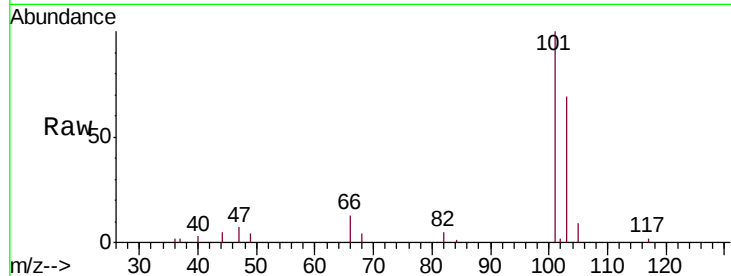


#7

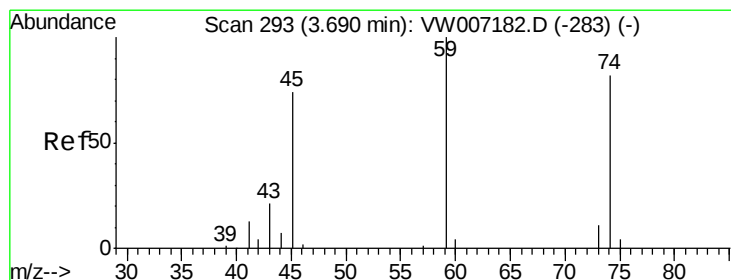
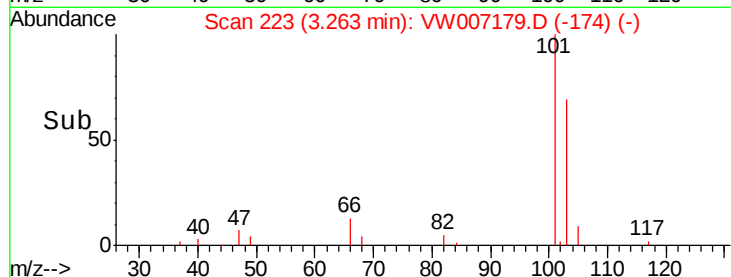
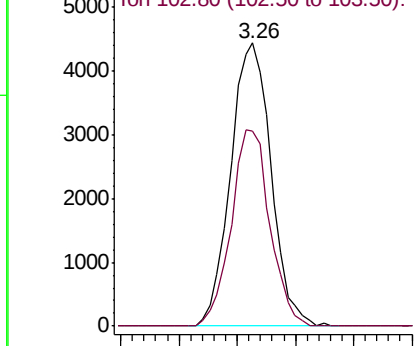
Trichlorofluoromethane
 Concen: 5.063 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 101 Resp: 10721
 Ion Ratio Lower Upper
 101 100
 103 68.8 50.9 76.3



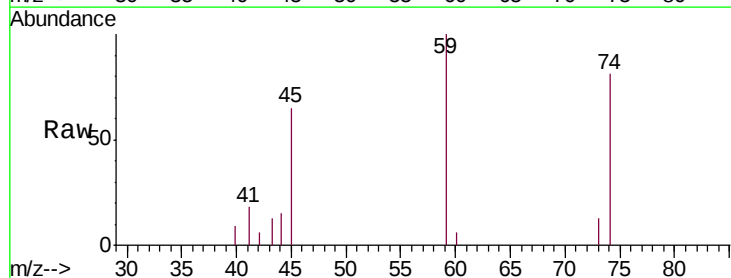
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



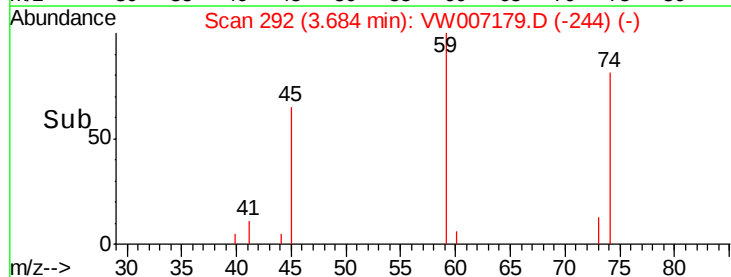
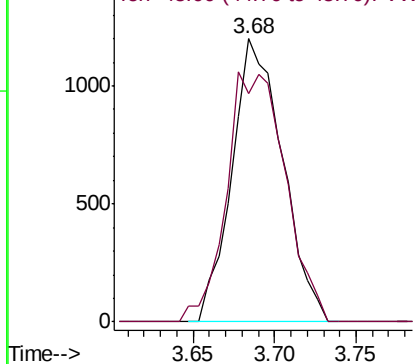
#8

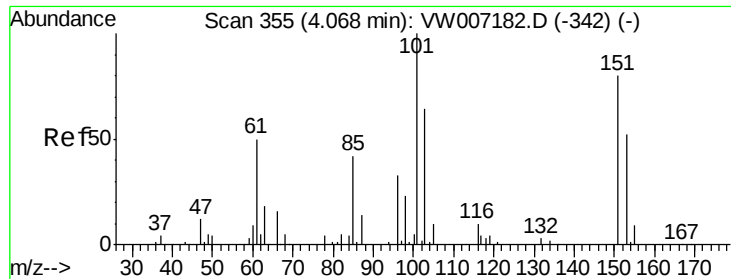
Diethyl Ether
 Concen: 4.398 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Tgt Ion: 74 Resp: 2596
 Ion Ratio Lower Upper
 74 100
 45 102.1 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.123 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

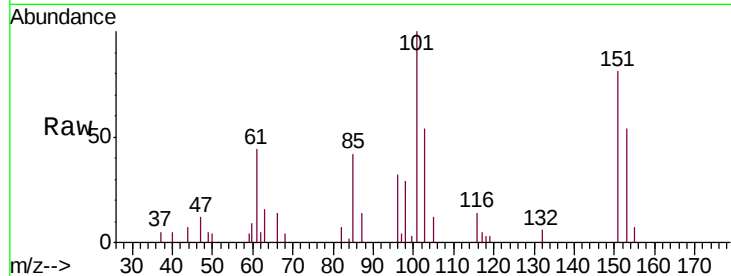
Tgt Ion:101 Resp: 6553

Ion Ratio Lower Upper

101 100

85 44.7 33.4 50.2

151 85.9 63.9 95.9

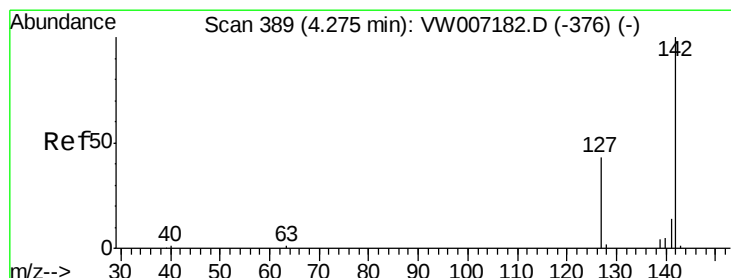
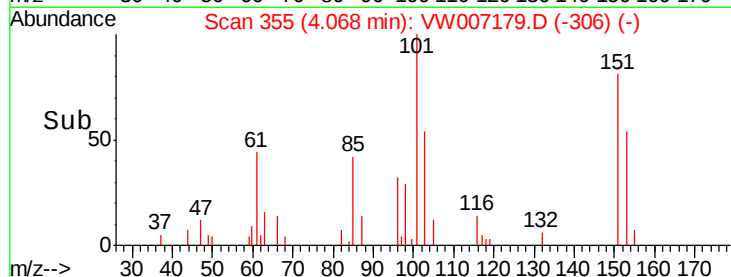
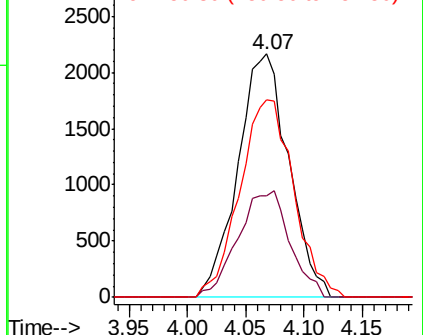


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.744 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

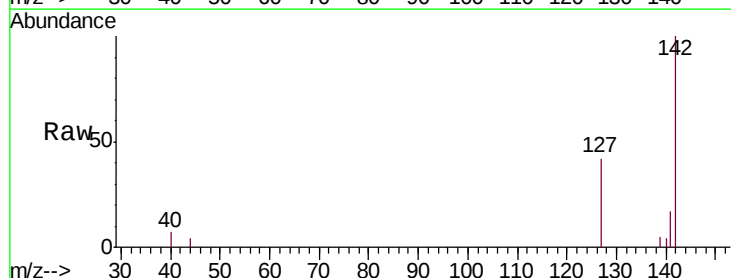
Tgt Ion:142 Resp: 5170

Ion Ratio Lower Upper

142 100

127 41.3 34.9 52.3

141 14.0 11.7 17.5

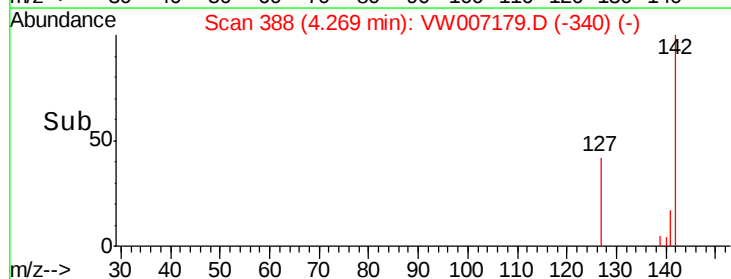
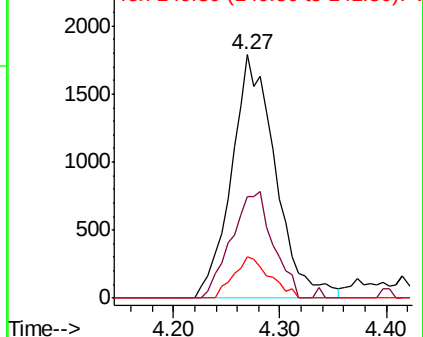


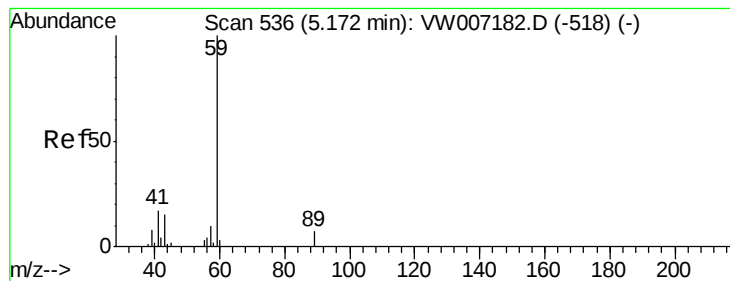
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 41.624 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.03 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampled :

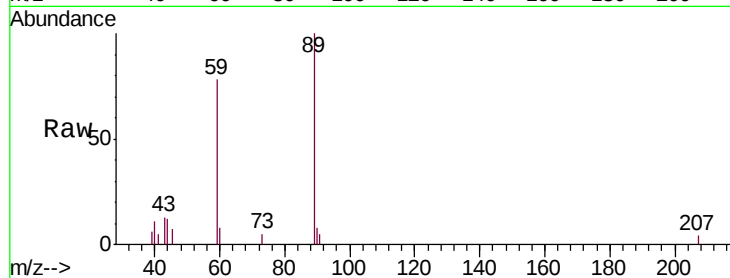
VSTDIC005

Tgt Ion: 59 Resp: 5663

Ion Ratio Lower Upper

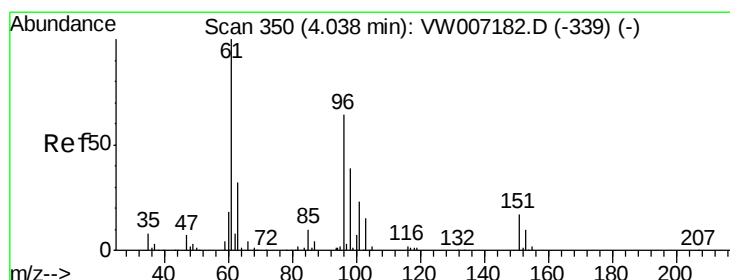
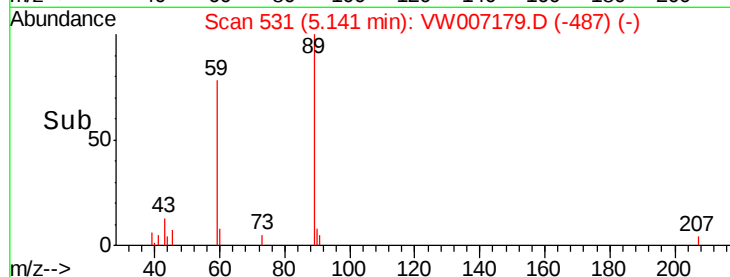
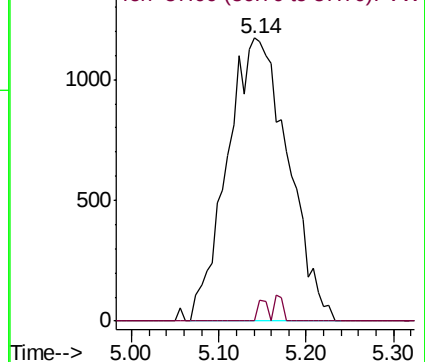
59 100

57 1.1 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 5.169 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

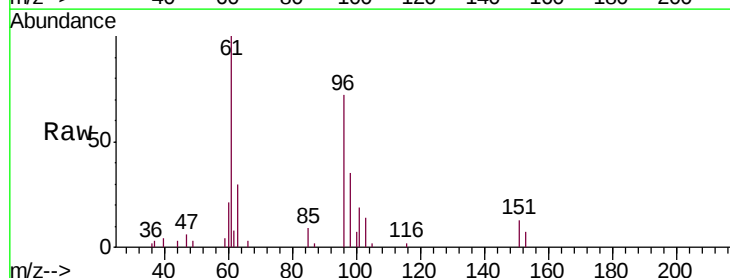
Tgt Ion: 96 Resp: 6197

Ion Ratio Lower Upper

96 100

61 139.8 124.1 186.1

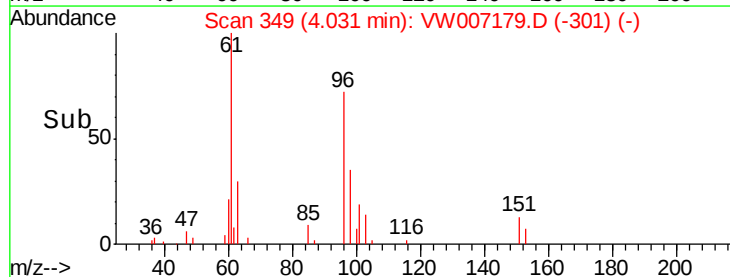
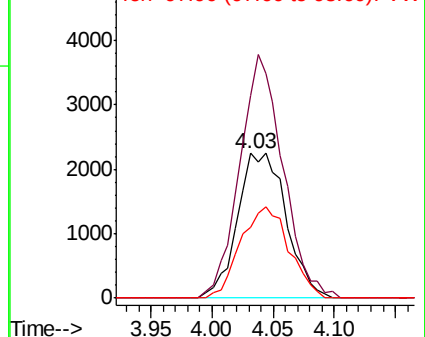
98 48.6 48.6 72.8#

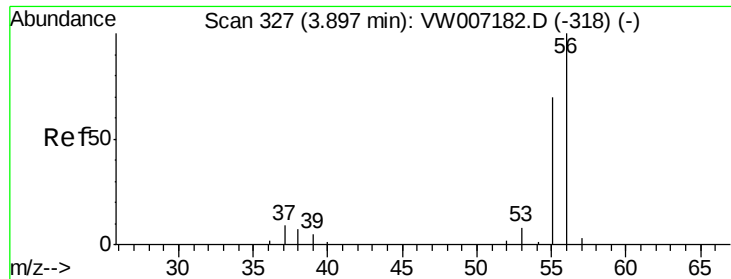


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 23.556 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

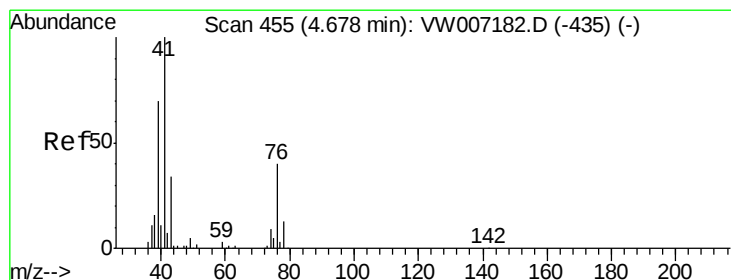
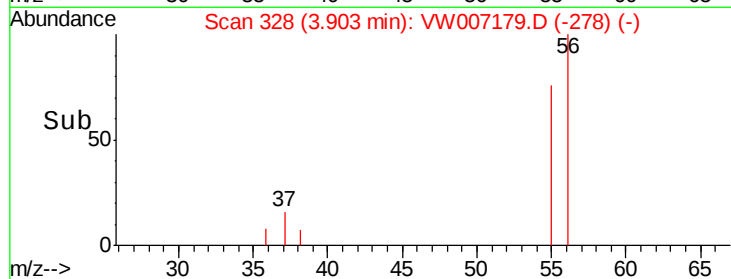
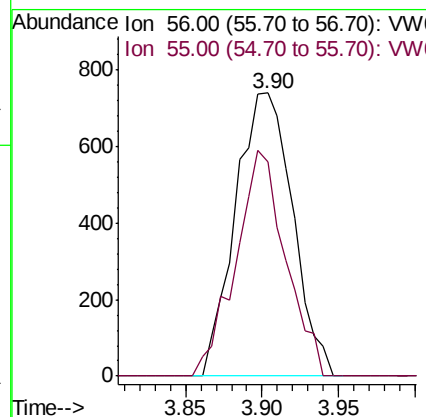
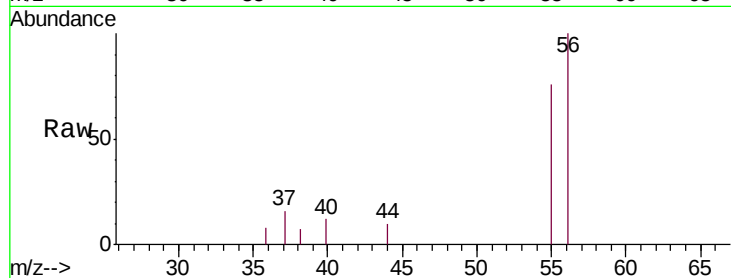
VSTDIC005

Tgt Ion: 56 Resp: 1924

Ion Ratio Lower Upper

56 100

55 69.5 56.9 85.3



#14

Allyl chloride

Concen: 4.920 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

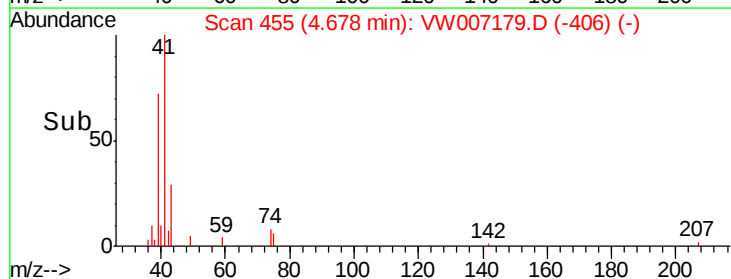
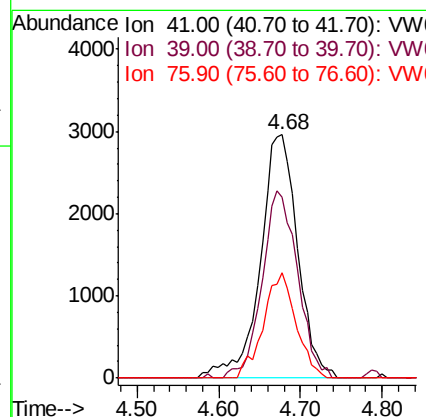
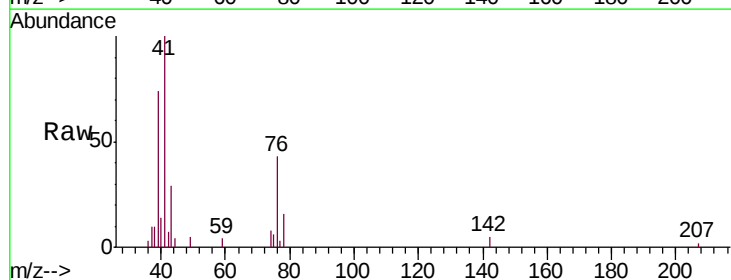
Tgt Ion: 41 Resp: 9453

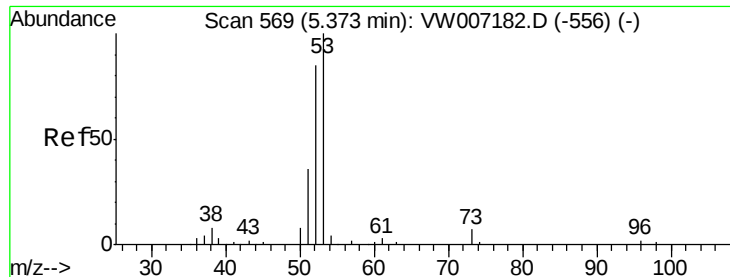
Ion Ratio Lower Upper

41 100

39 72.9 55.9 83.9

76 37.9 30.8 46.2





#15

Acrylonitrile

Concen: 22.379 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

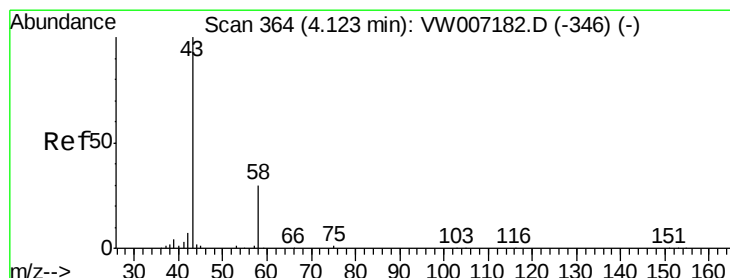
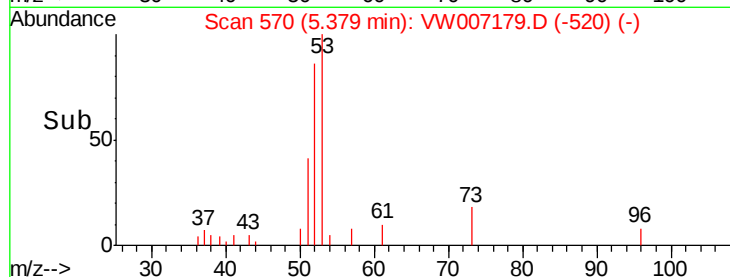
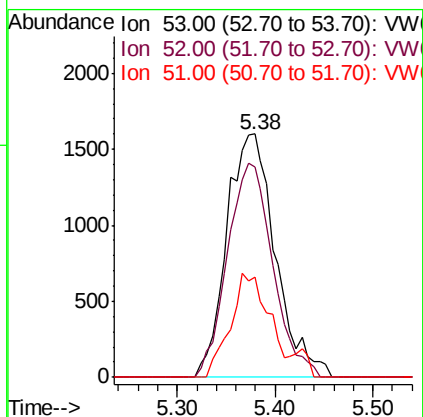
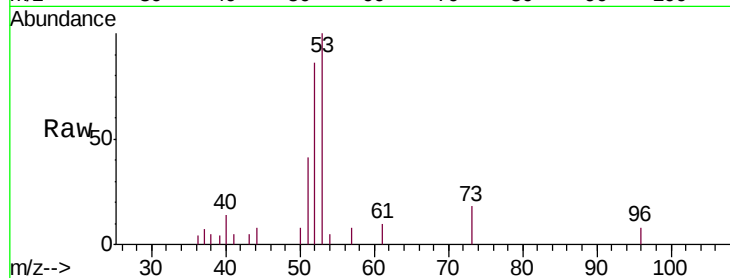
Tgt Ion: 53 Resp: 5522

Ion Ratio Lower Upper

53 100

52 82.2 66.1 99.1

51 34.4 30.3 45.5



#16

Acetone

Concen: 23.833 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007179.D

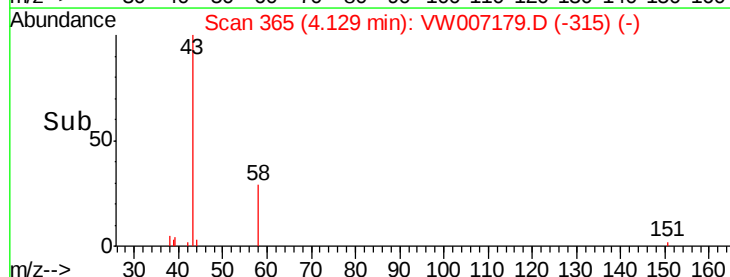
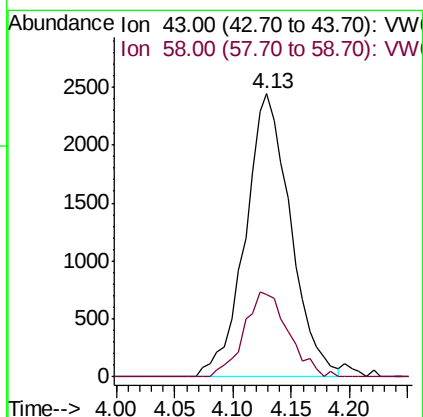
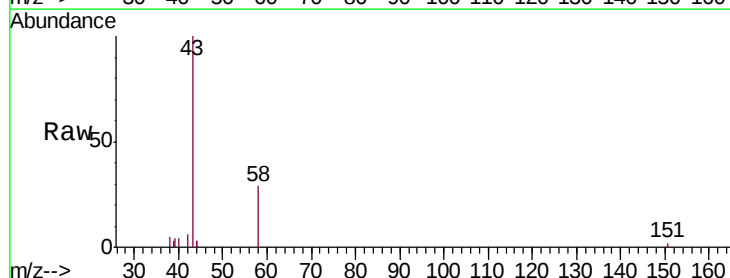
Acq: 04 Dec 2018 11:02

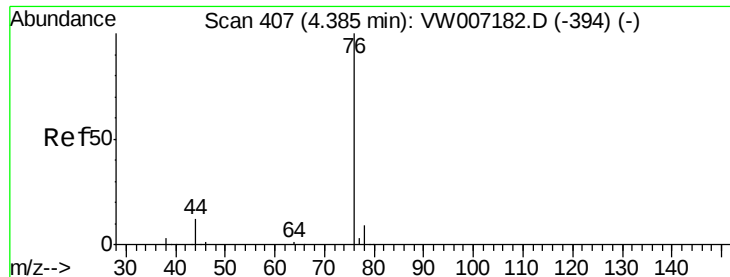
Tgt Ion: 43 Resp: 6577

Ion Ratio Lower Upper

43 100

58 29.2 23.8 35.8

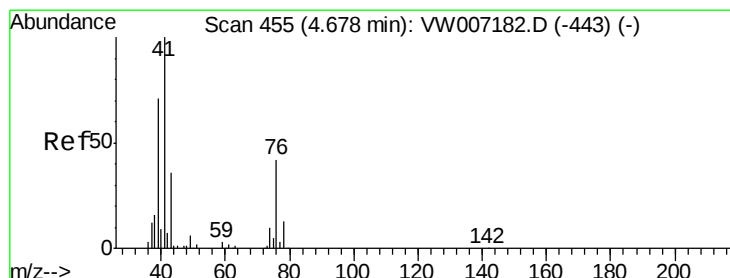
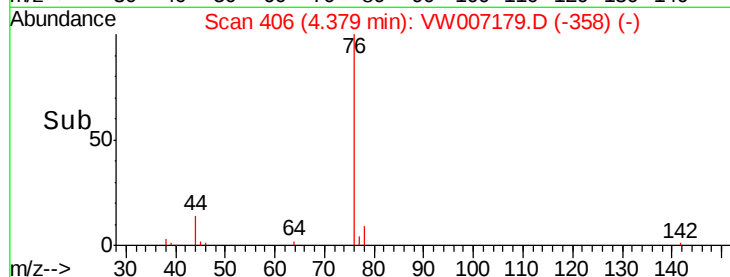
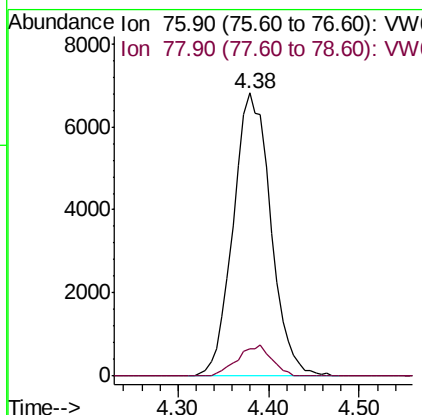
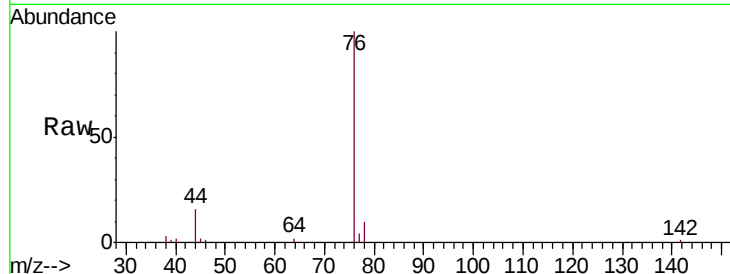




#17
 Carbon Disulfide
 Concen: 4.955 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

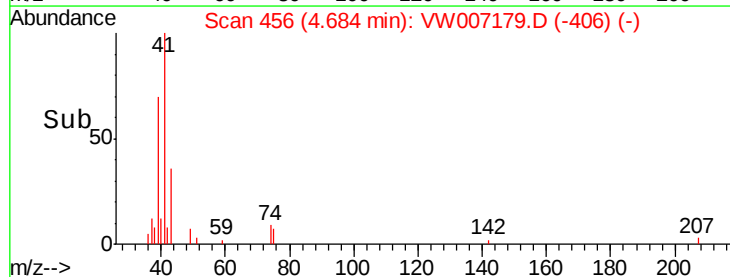
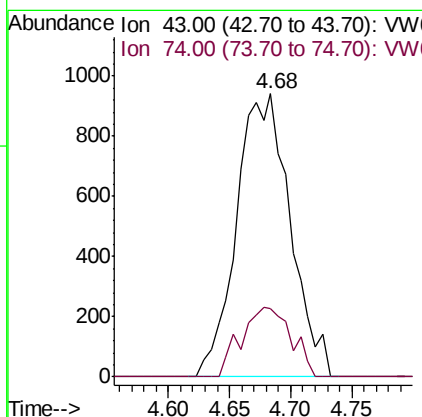
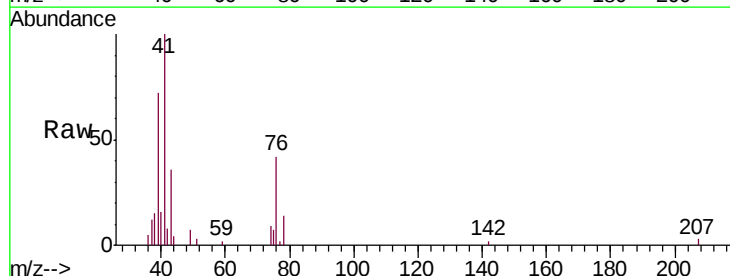
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 76 Resp: 19578
 Ion Ratio Lower Upper
 76 100
 78 9.9 7.2 10.8



#18
 Methyl Acetate
 Concen: 4.548 ug/l
 RT: 4.68 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Tgt Ion: 43 Resp: 2865
 Ion Ratio Lower Upper
 43 100
 74 23.1 20.1 30.1

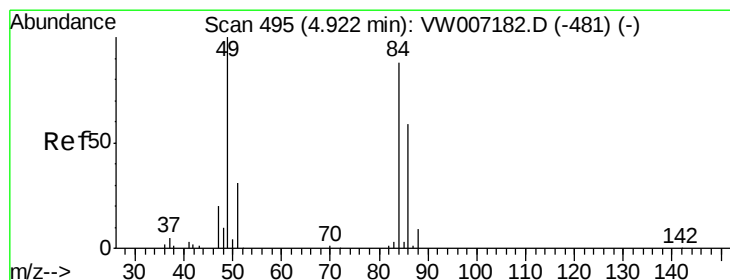
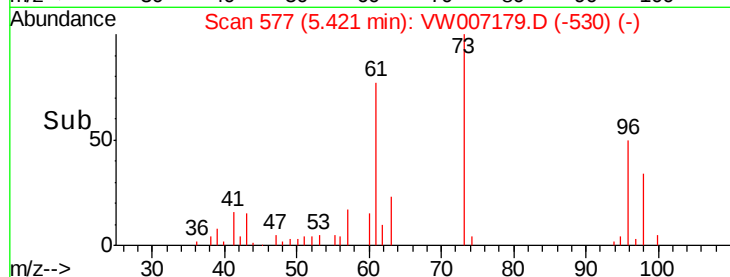
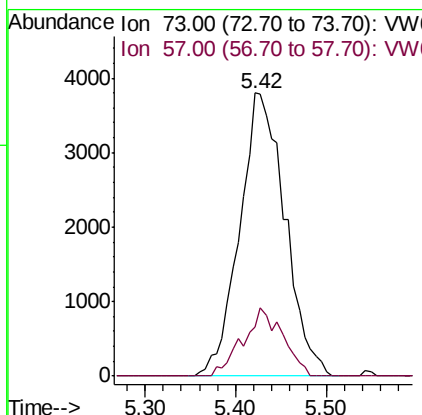
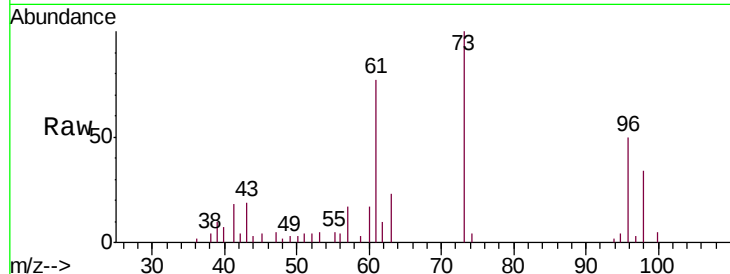




#19
Methyl tert-butyl Ether
Concen: 4.659 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

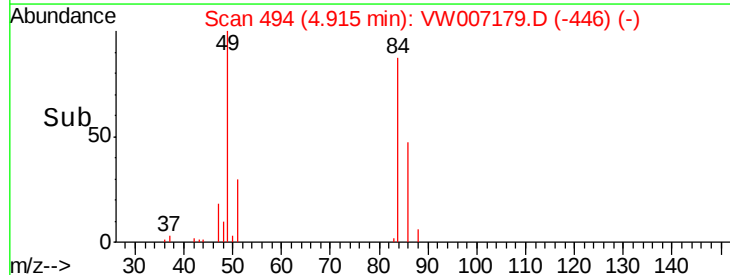
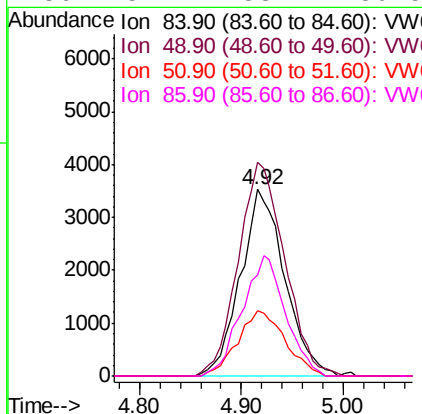
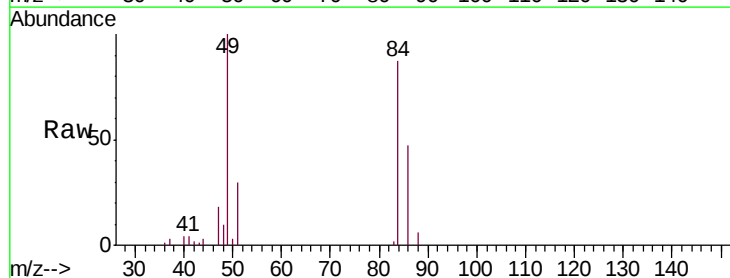
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

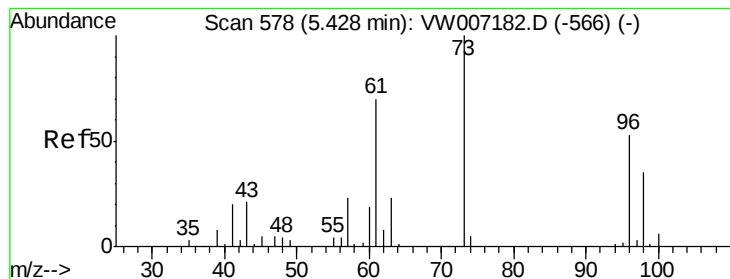
Tgt Ion: 73 Resp: 13149
Ion Ratio Lower Upper
73 100
57 17.4 16.6 25.0



#20
Methylene Chloride
Concen: 6.482 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 84 Resp: 10637
Ion Ratio Lower Upper
84 100
49 114.3 90.6 135.8
51 34.7 27.6 41.4
86 54.1 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 4.906 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

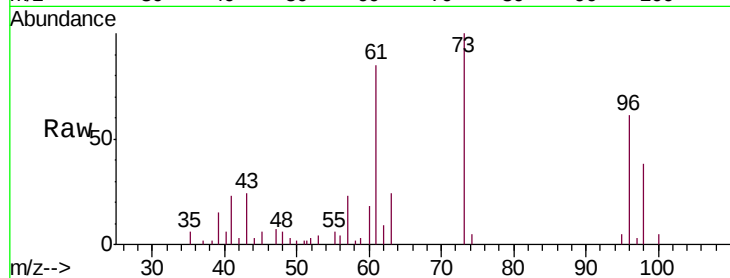
Tgt Ion: 96 Resp: 6567

Ion Ratio Lower Upper

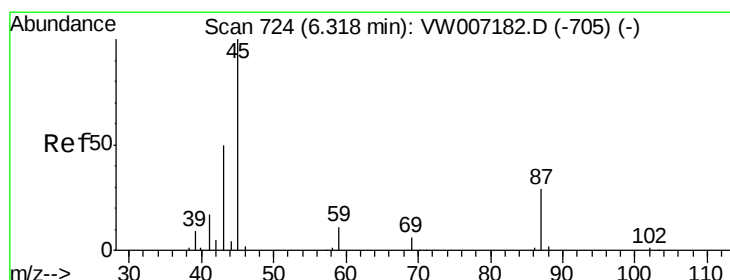
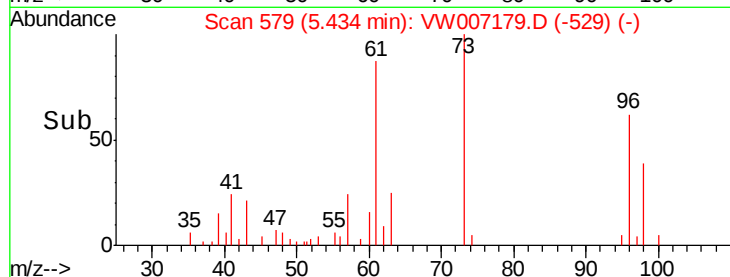
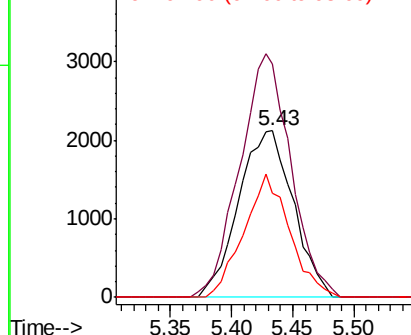
96 100

61 140.2 105.5 158.3

98 62.6 52.6 79.0



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: 4.872 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Tgt Ion: 45 Resp: 16804

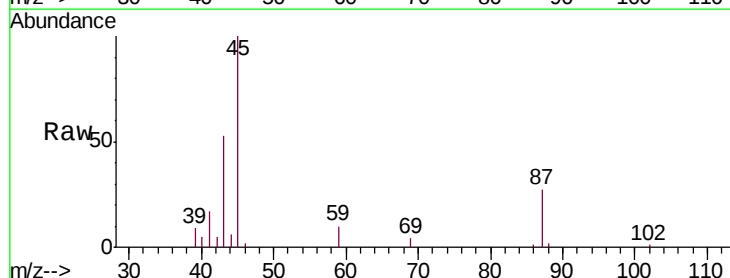
Ion Ratio Lower Upper

45 100

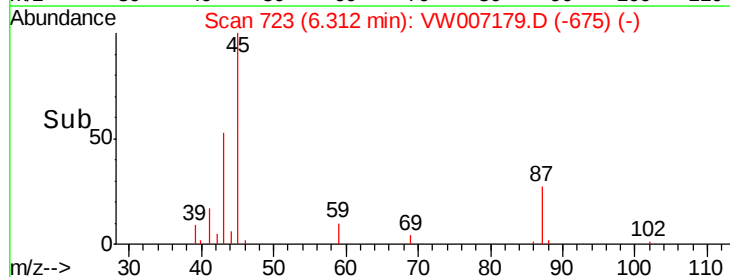
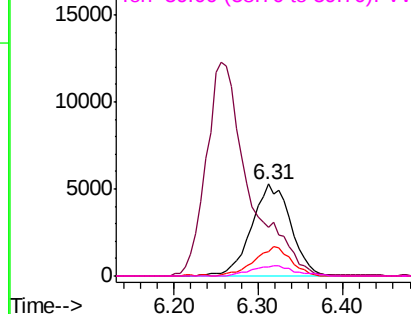
43 51.6 40.8 61.2

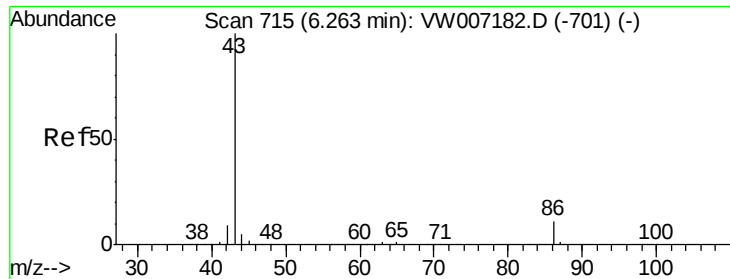
87 26.6 24.0 36.0

59 9.7 9.1 13.7



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

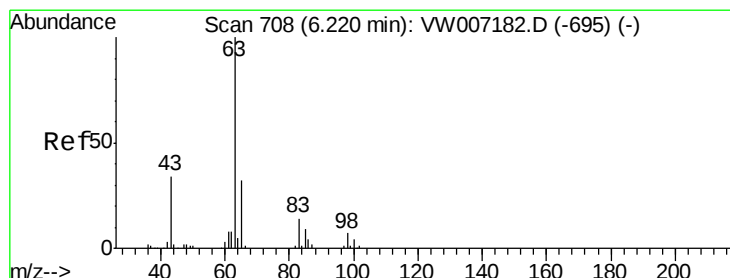
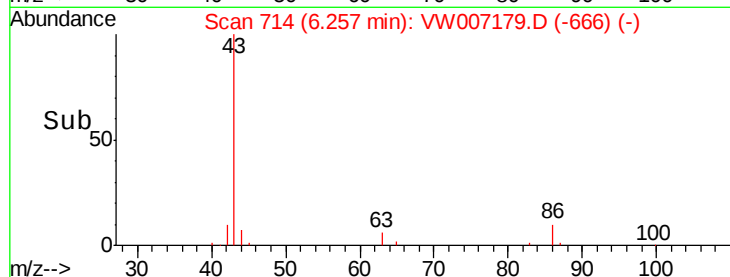
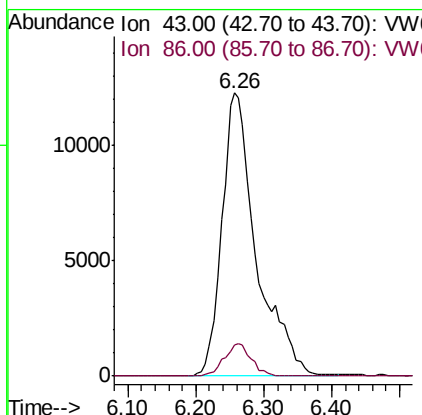
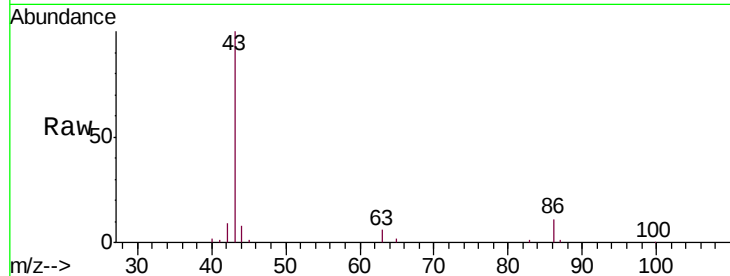




#23
 Vinyl Acetate
 Concen: 22.893 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

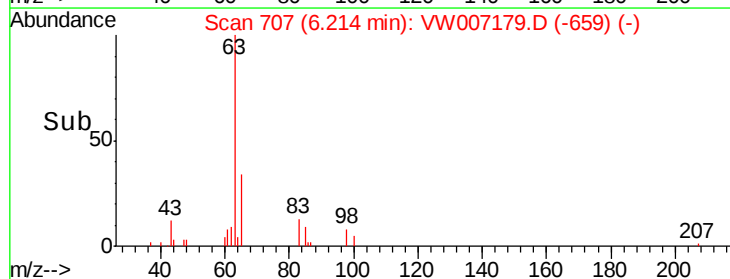
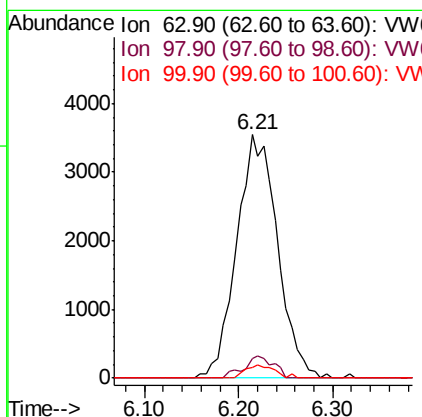
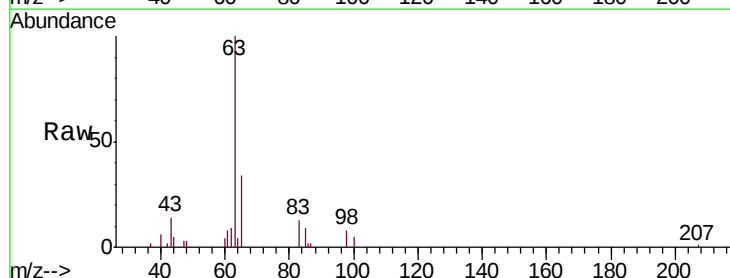
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC005

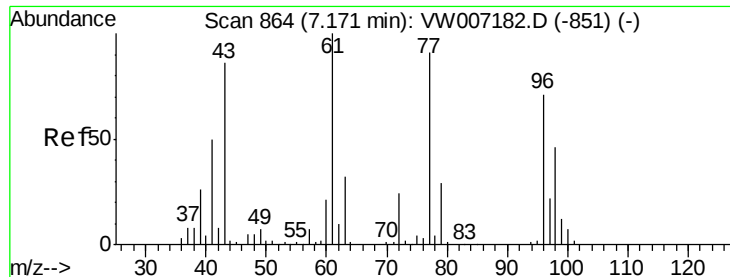
Tgt Ion: 43 Resp: 43088
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.0 13.6



#24
 1,1-Dichloroethane
 Concen: 4.833 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Tgt Ion: 63 Resp: 10685
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.5 10.5
 100 4.6 2.1 6.2





#25

2-Butanone

Concen: 23.371 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

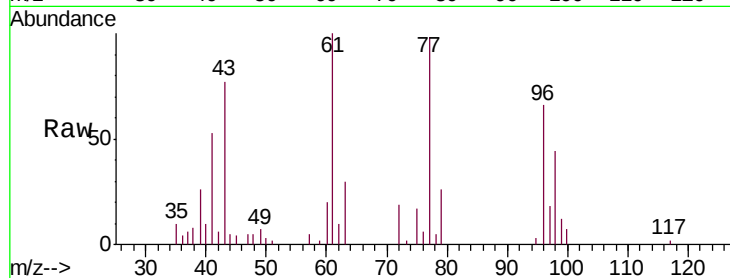
VSTDIC005

Tgt Ion: 43 Resp: 7476

Ion Ratio Lower Upper

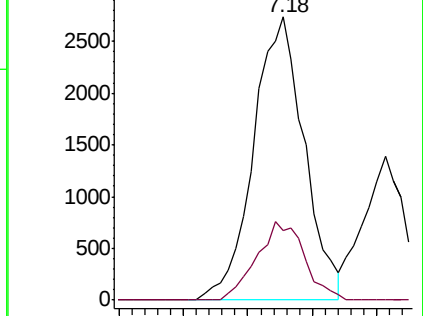
43 100

72 24.8 22.8 34.2

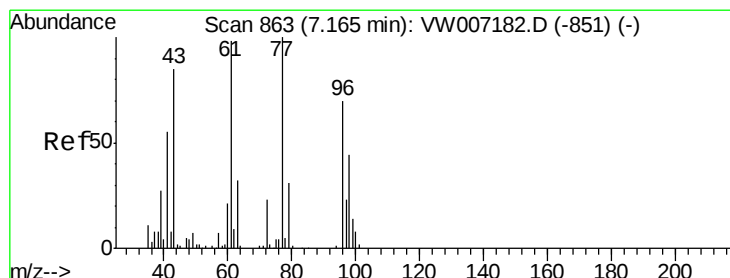
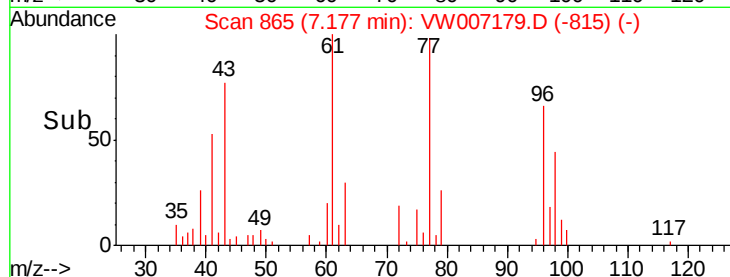


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 5.312 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007179.D

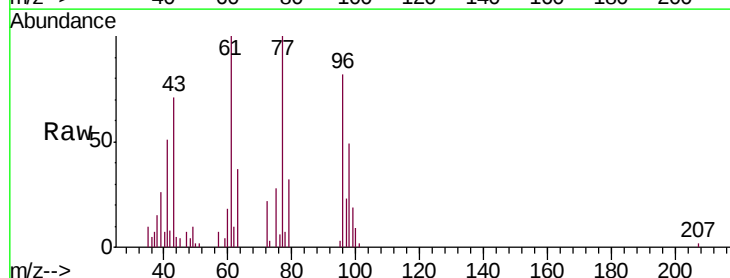
Acq: 04 Dec 2018 11:02

Tgt Ion: 77 Resp: 11286

Ion Ratio Lower Upper

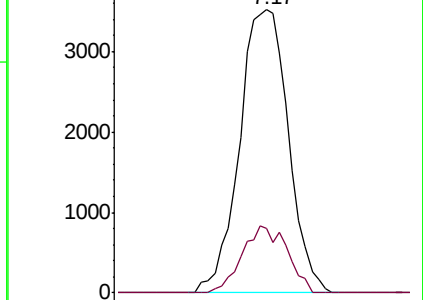
77 100

97 21.9 11.5 34.4

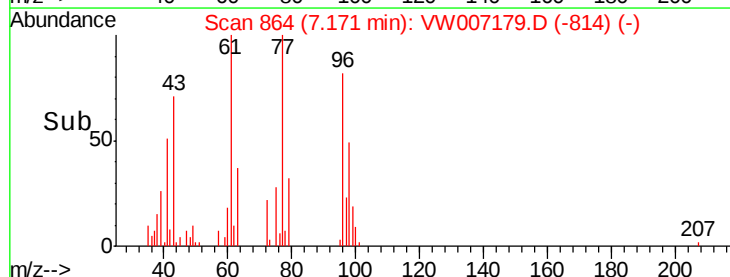


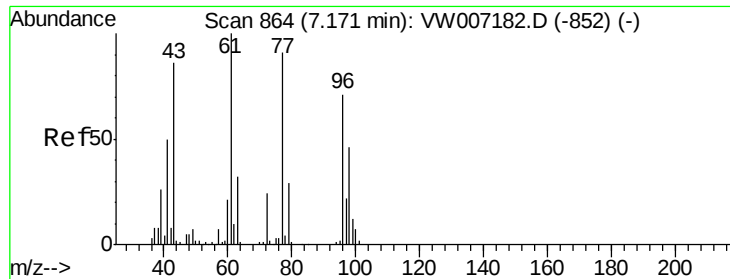
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->



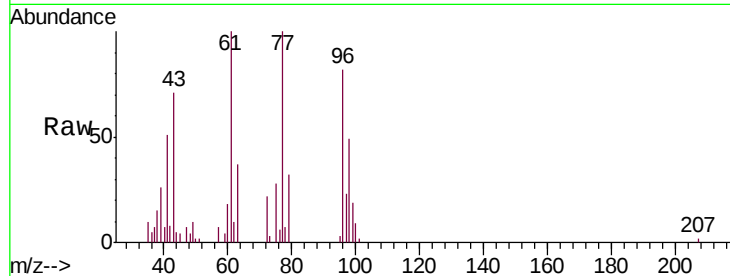


#27

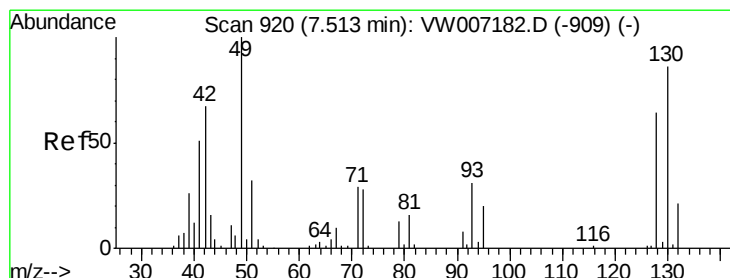
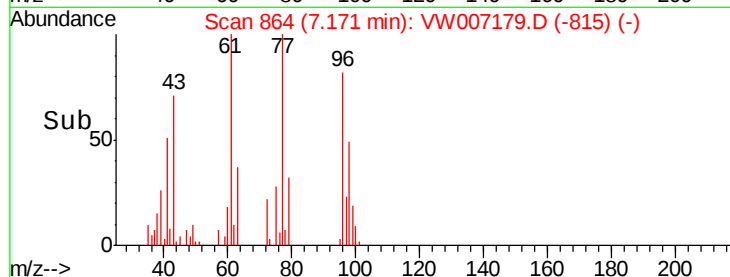
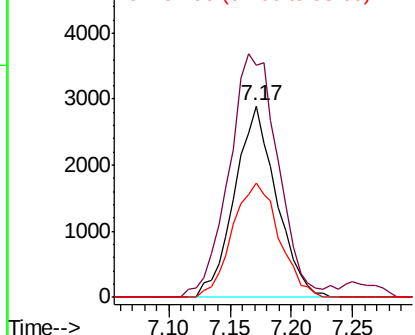
cis-1,2-Dichloroethene
Concen: 4.799 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 6886
Ion Ratio Lower Upper
96 100
61 148.8 0.0 282.4
98 66.7 0.0 129.8



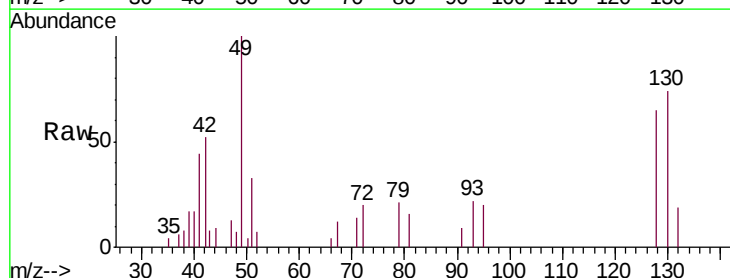
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



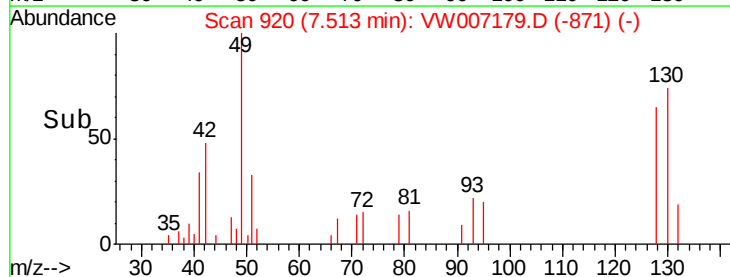
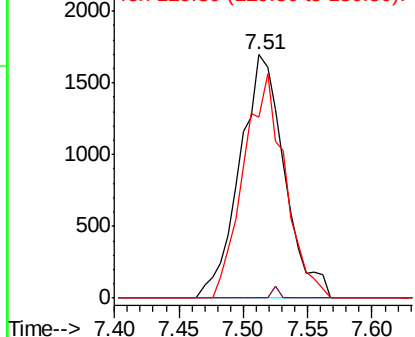
#28

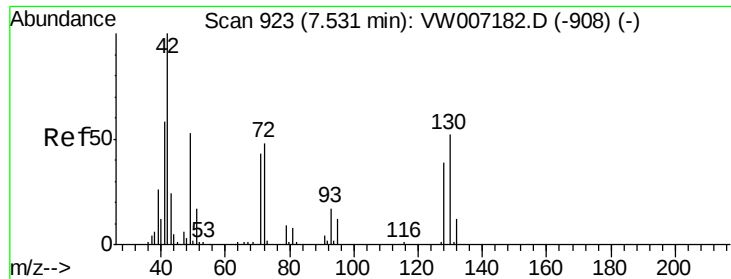
Bromochloromethane
Concen: 5.108 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 49 Resp: 4072
Ion Ratio Lower Upper
49 100
129 0.7 0.0 3.8
130 85.4 70.3 105.5



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

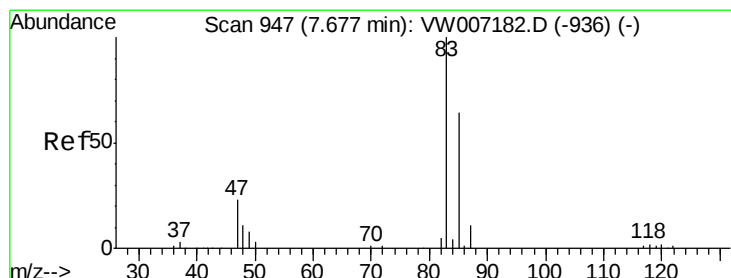
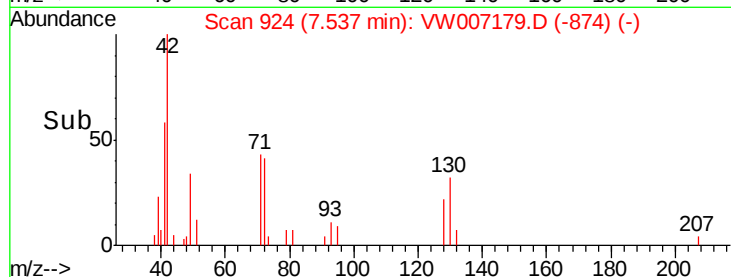
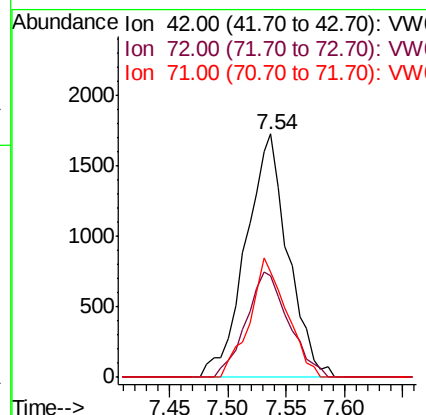
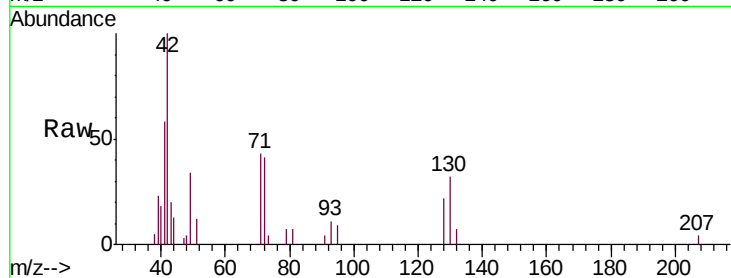




#29
Tetrahydrofuran
Concen: 22.016 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

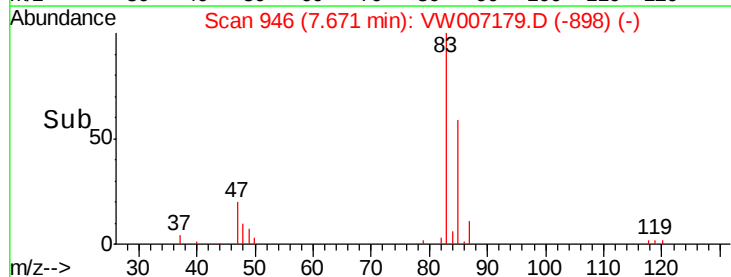
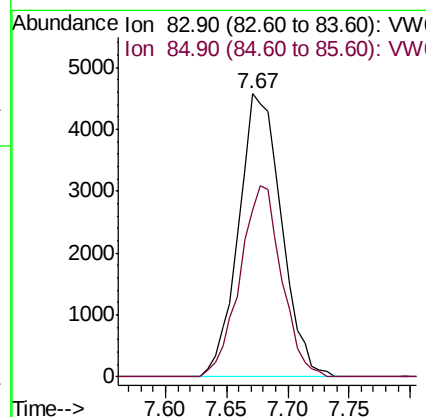
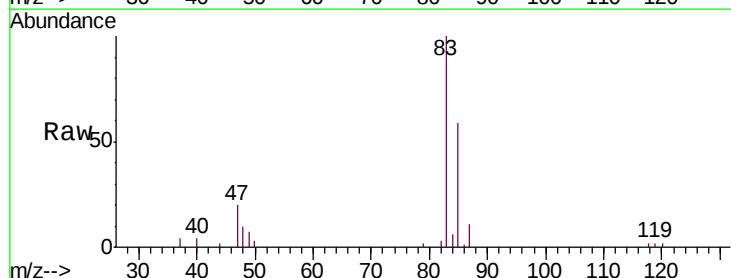
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

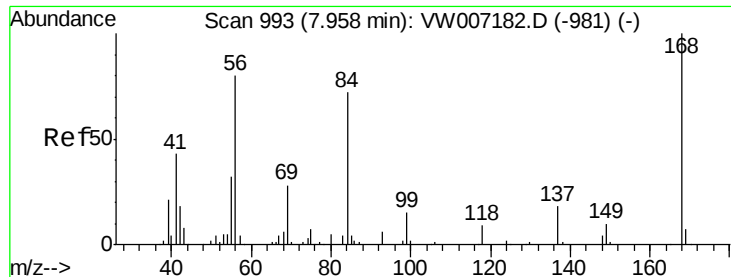
Tgt Ion: 42 Resp: 4352
Ion Ratio Lower Upper
42 100
72 43.6 36.6 55.0
71 42.6 34.8 52.2



#30
Chloroform
Concen: 4.838 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 83 Resp: 11116
Ion Ratio Lower Upper
83 100
85 58.9 51.5 77.3

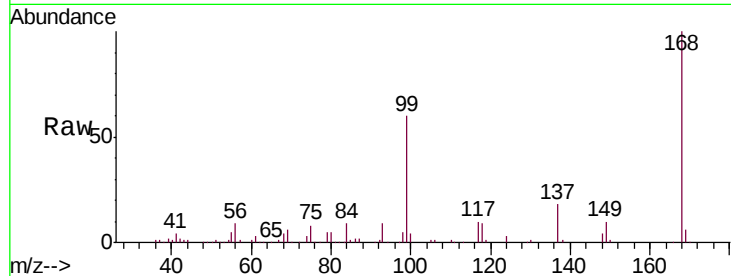




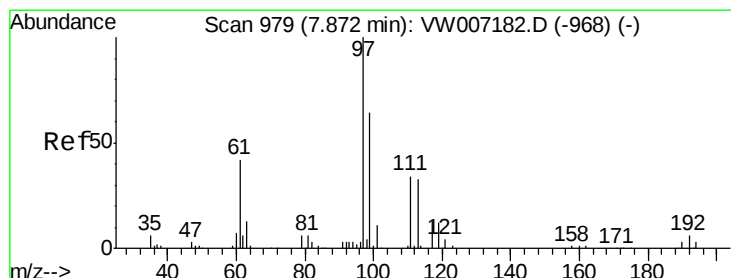
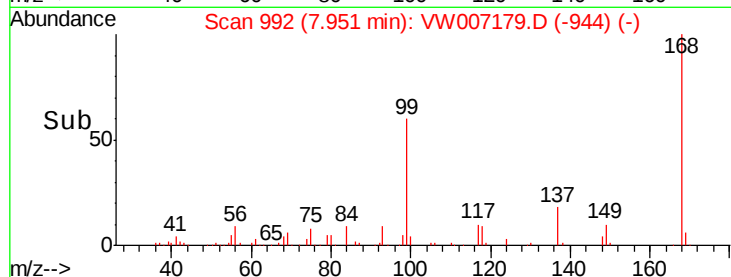
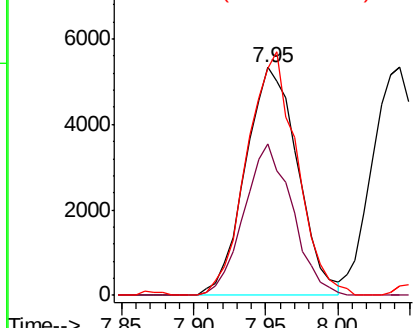
#31
Cyclohexane
Concen: 5.821 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 13465
Ion Ratio Lower Upper
56 100
69 66.4 28.2 42.2#
84 99.6 72.1 108.1

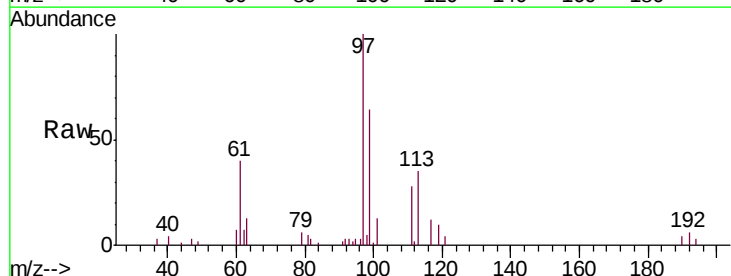


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

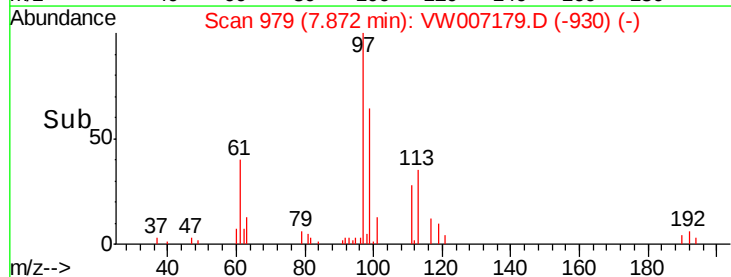
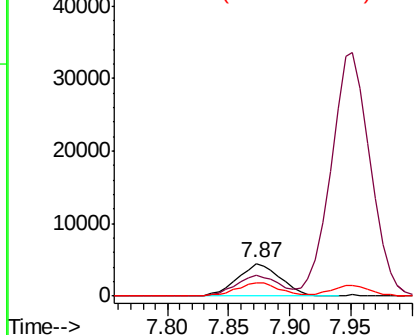


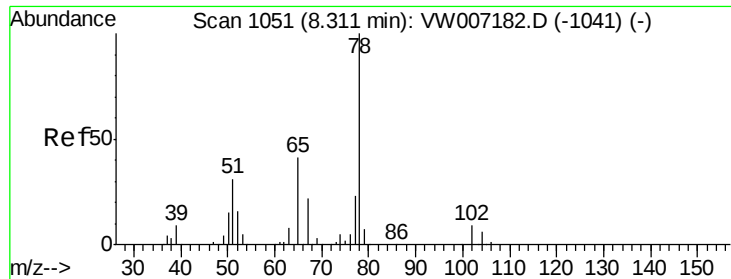
#32
1,1,1-Trichloroethane
Concen: 5.074 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 97 Resp: 10971
Ion Ratio Lower Upper
97 100
99 62.6 51.3 76.9
61 41.6 33.2 49.8



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

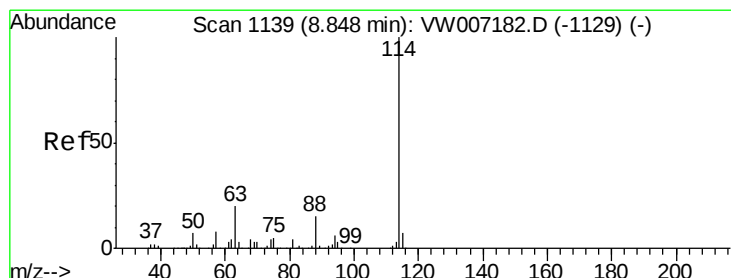
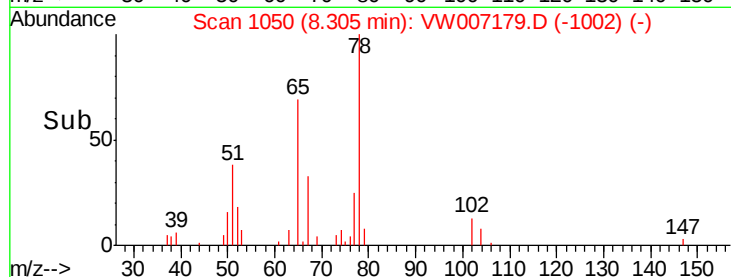
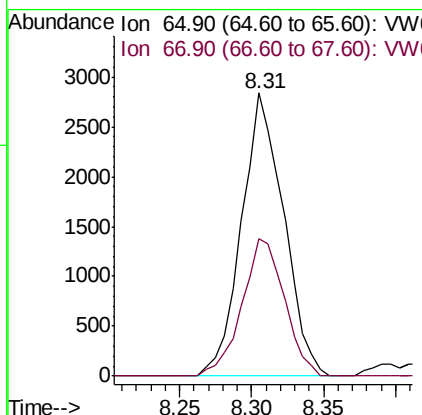
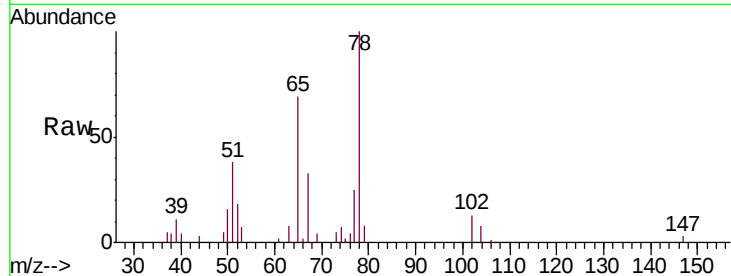




#33
 1,2-Dichloroethane-d4
 Concen: 4.933 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

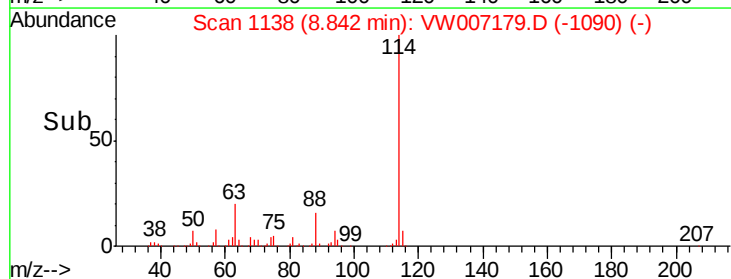
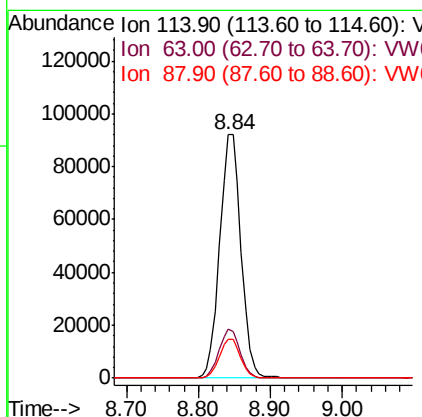
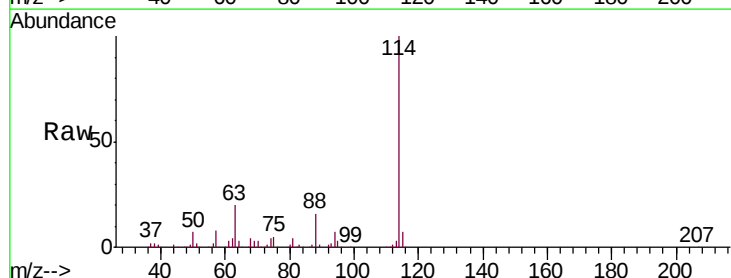
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

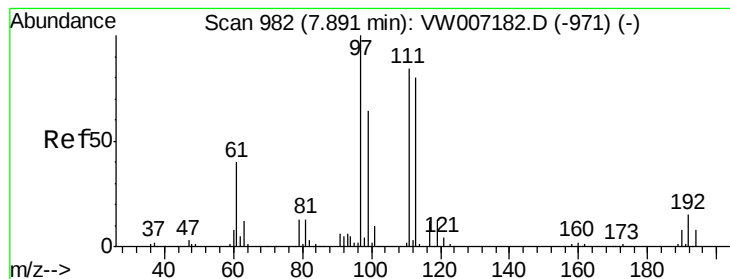
Tgt Ion: 65 Resp: 5750
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Tgt Ion: 114 Resp: 189248
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.2
 88 16.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 4.770 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

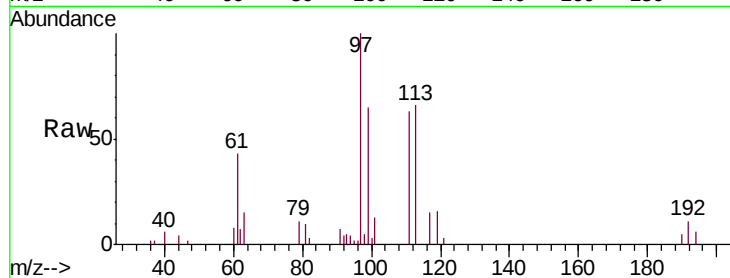
Tgt Ion:113 Resp: 5169

Ion Ratio Lower Upper

113 100

111 98.6 82.2 123.4

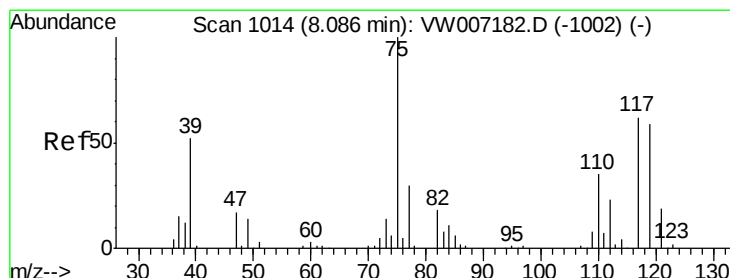
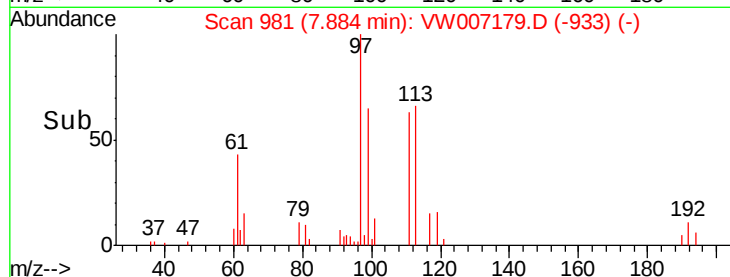
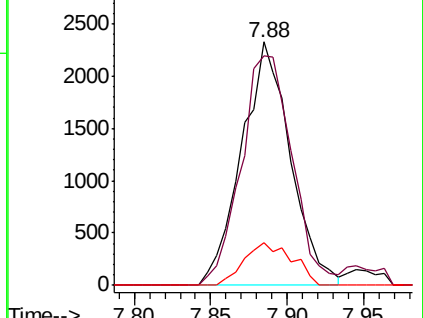
192 17.1 14.4 21.6



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: 5.212 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

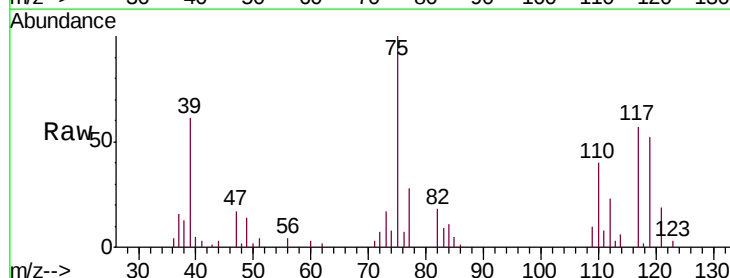
Tgt Ion: 75 Resp: 9597

Ion Ratio Lower Upper

75 100

110 36.2 18.3 54.9

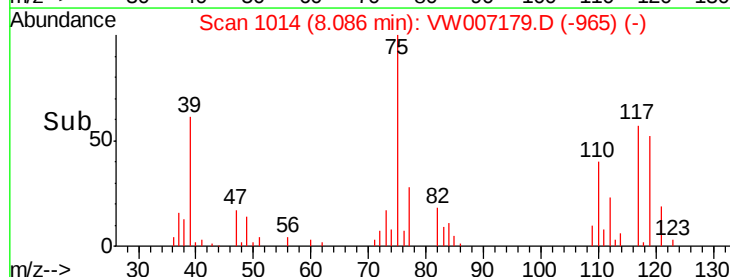
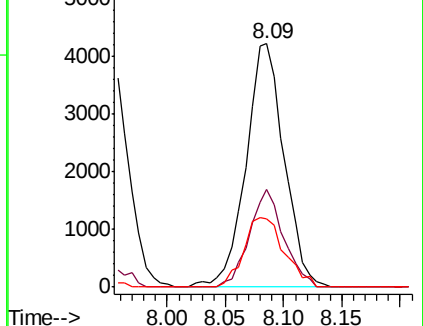
77 30.5 24.9 37.3

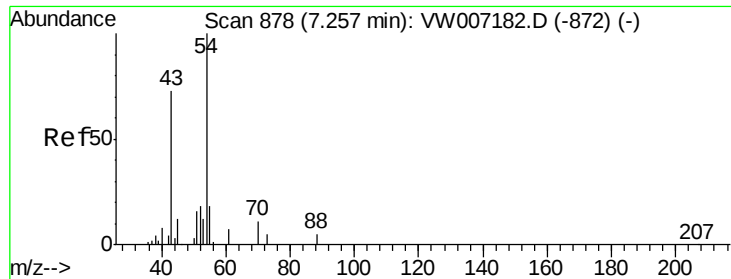


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

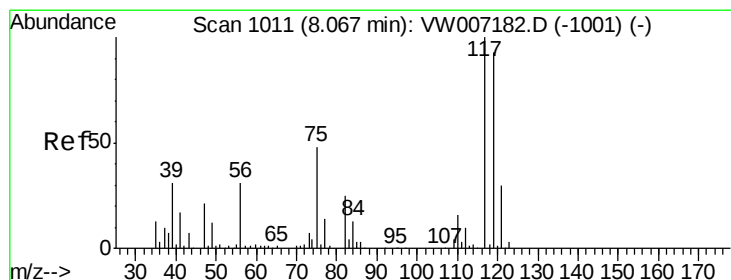
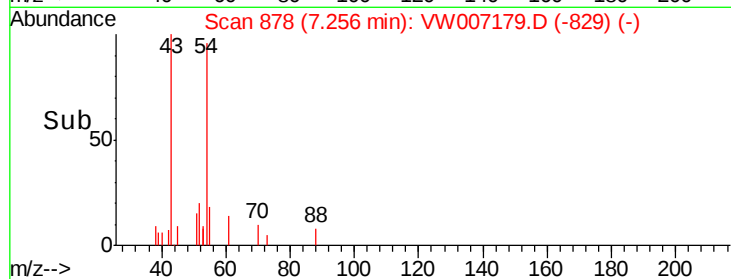
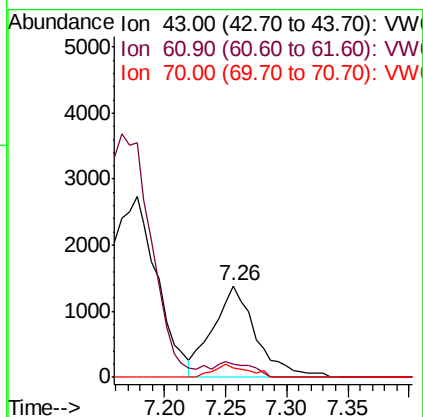
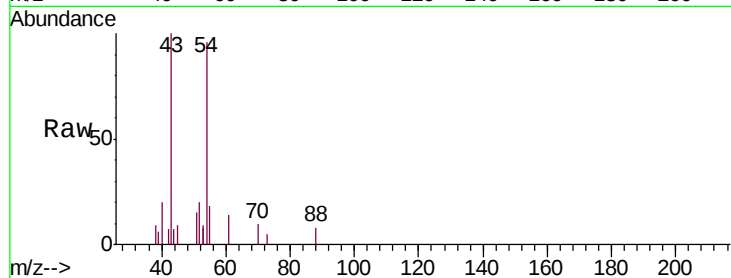




#37
Ethyl Acetate
Concen: 5.071 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

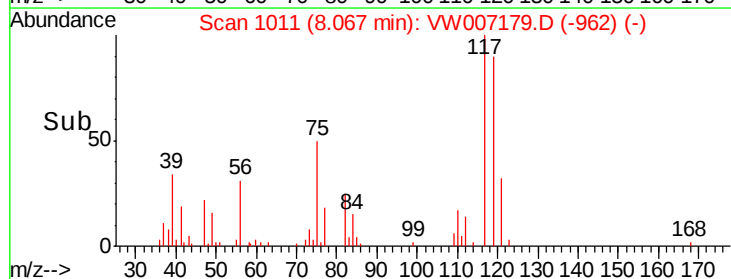
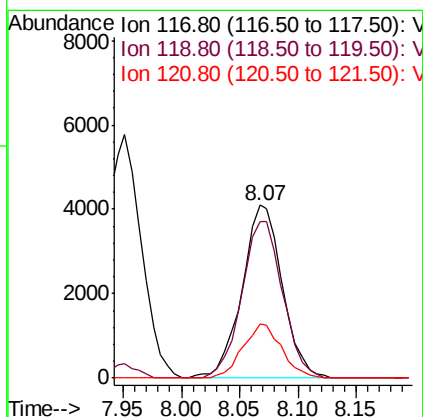
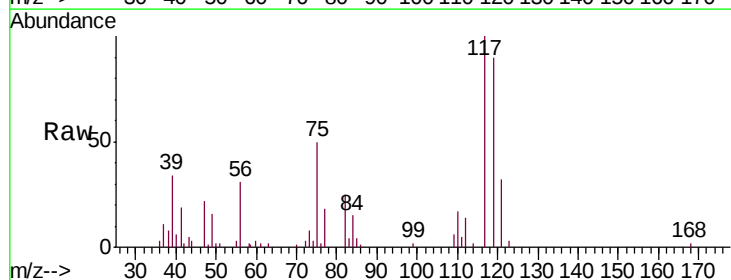
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

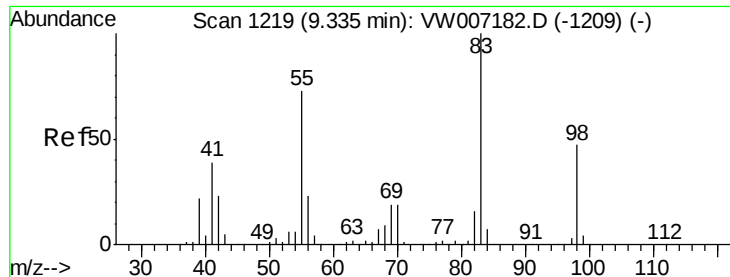
Tgt Ion: 43 Resp: 3378
Ion Ratio Lower Upper
43 100
61 16.1 12.1 18.1
70 10.7 9.1 13.7



#38
Carbon Tetrachloride
Concen: 5.270 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 117 Resp: 9905
Ion Ratio Lower Upper
117 100
119 90.3 74.1 111.1
121 31.7 23.9 35.9

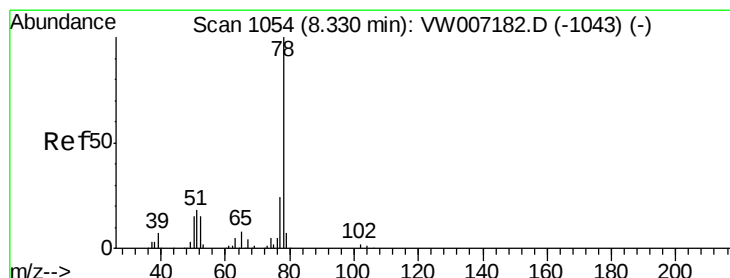
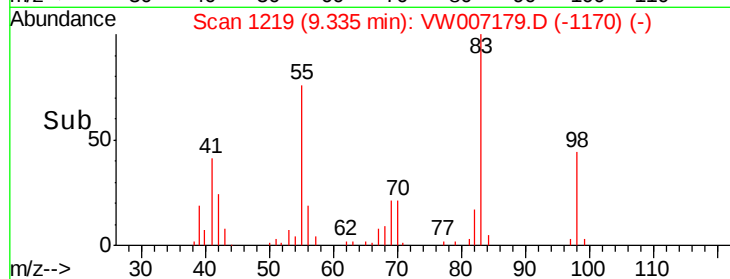
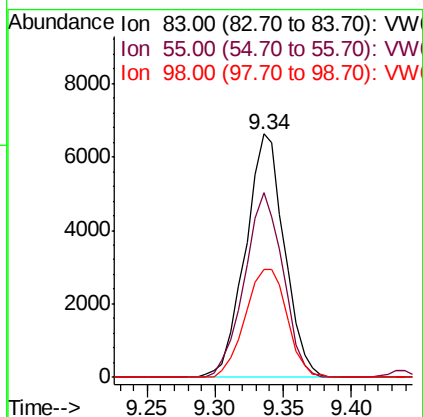
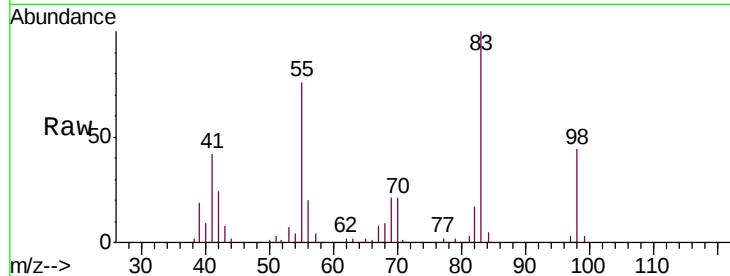




#39
Methylcyclohexane
Concen: 5.381 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

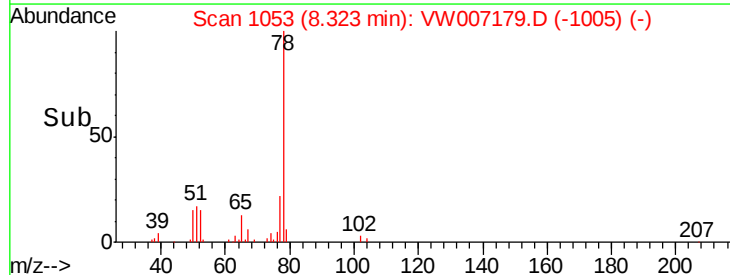
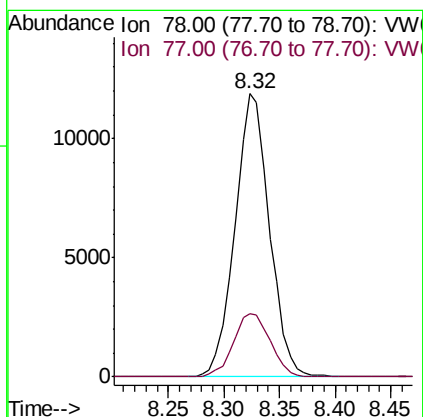
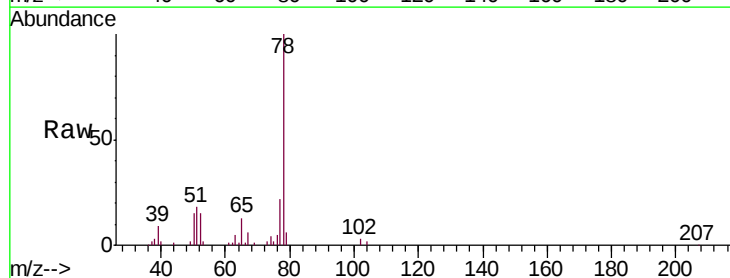
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

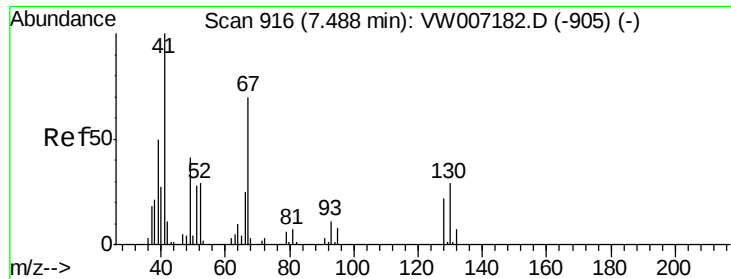
Tgt Ion: 83 Resp: 13264
Ion Ratio Lower Upper
83 100
55 76.0 58.1 87.1
98 44.1 37.3 55.9



#40
Benzene
Concen: 5.029 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 78 Resp: 25394
Ion Ratio Lower Upper
78 100
77 22.4 18.9 28.3

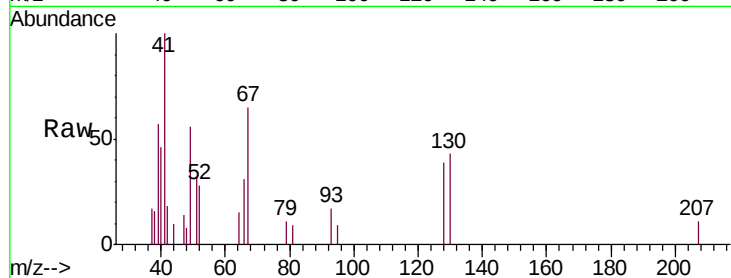




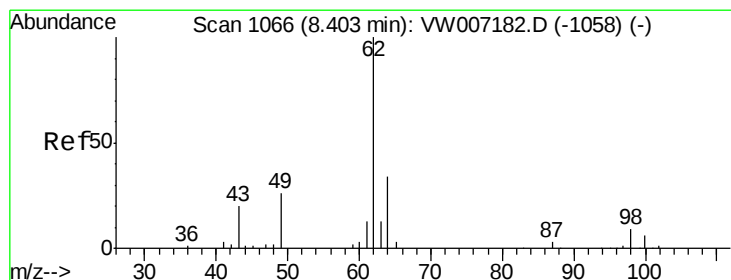
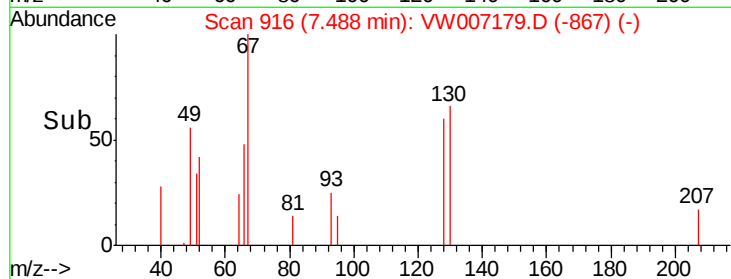
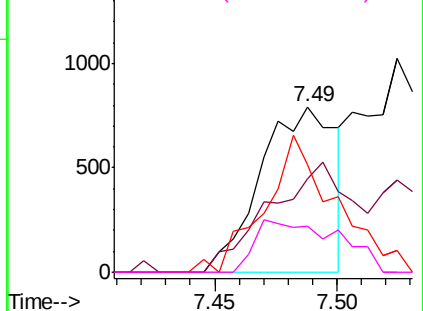
#41
Methacrylonitrile
Concen: 4.271 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion: 41 Resp: 1704
Ion Ratio Lower Upper
41 100
39 73.5 43.4 65.0#
67 77.9 57.4 86.0
52 0.0 23.3 34.9#

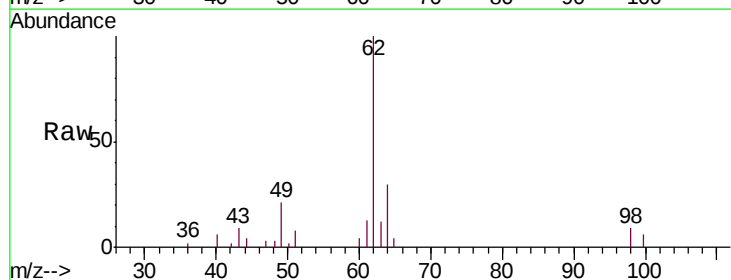


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

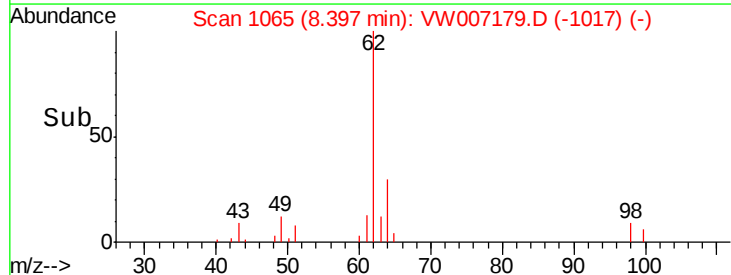
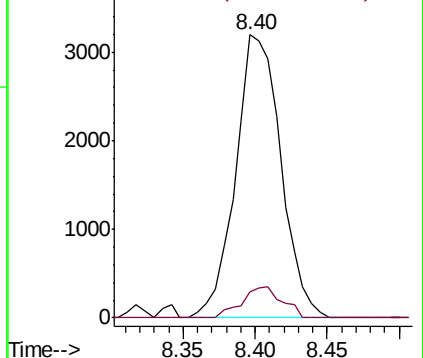


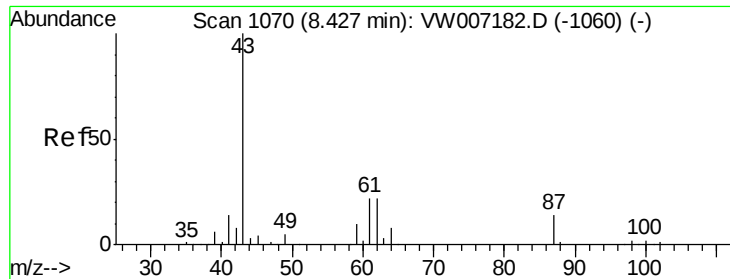
#42
1,2-Dichloroethane
Concen: 4.928 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 62 Resp: 6955
Ion Ratio Lower Upper
62 100
98 9.7 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 4.677 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

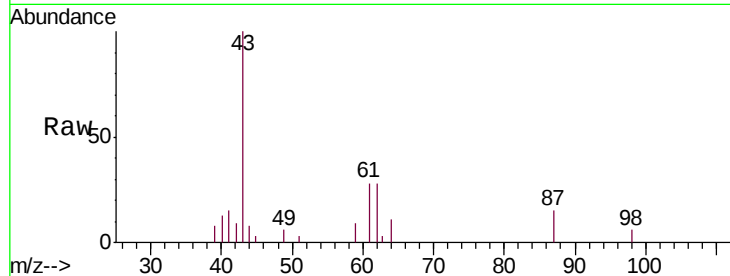
Tgt Ion: 43 Resp: 6051

Ion Ratio Lower Upper

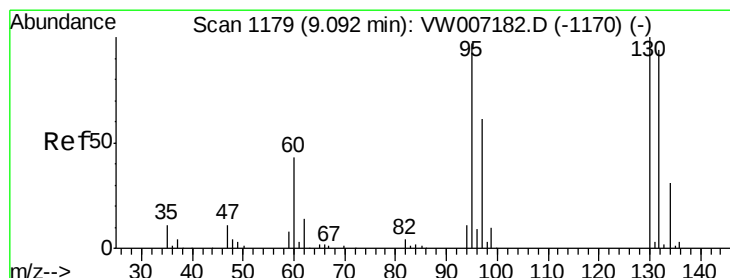
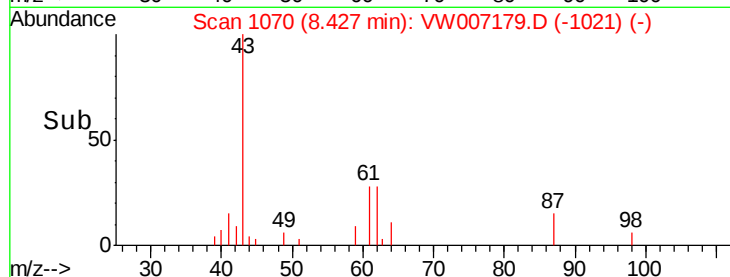
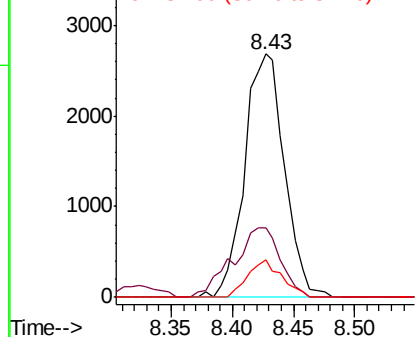
43 100

61 34.1 25.4 38.0

87 13.3 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 5.079 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007179.D

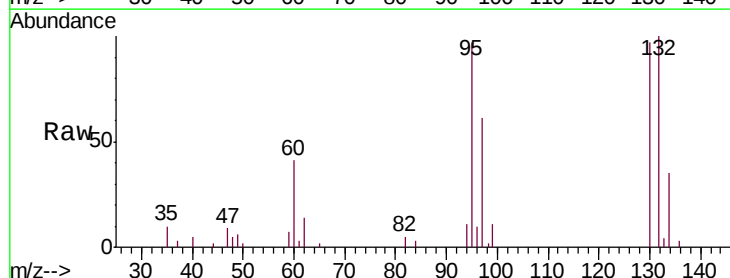
Acq: 04 Dec 2018 11:02

Tgt Ion: 130 Resp: 7209

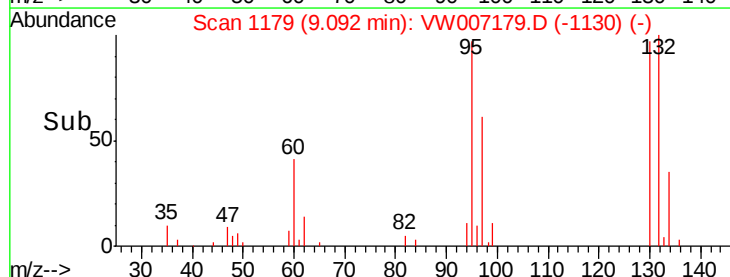
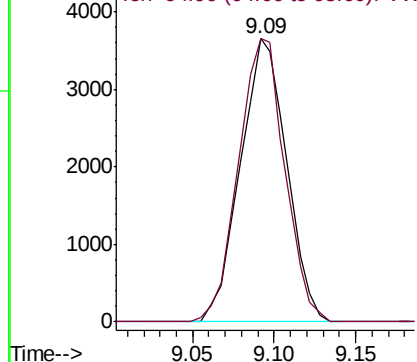
Ion Ratio Lower Upper

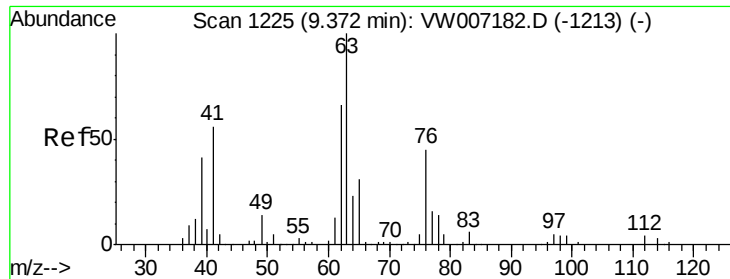
130 100

95 100.1 0.0 194.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

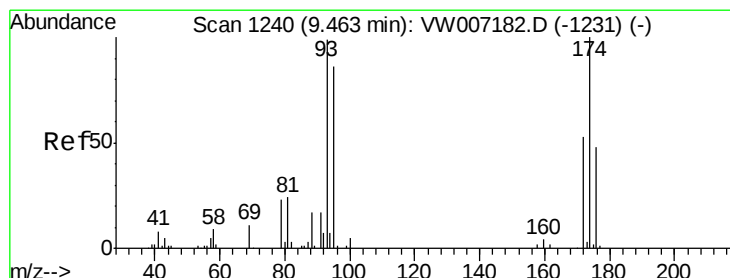
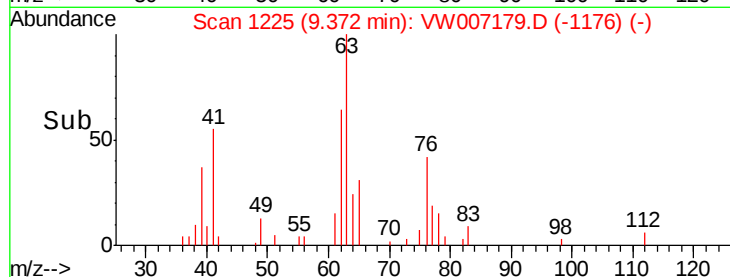
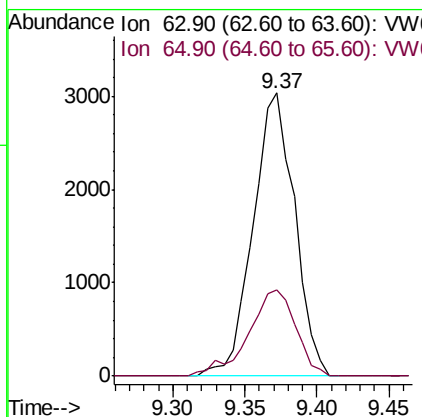
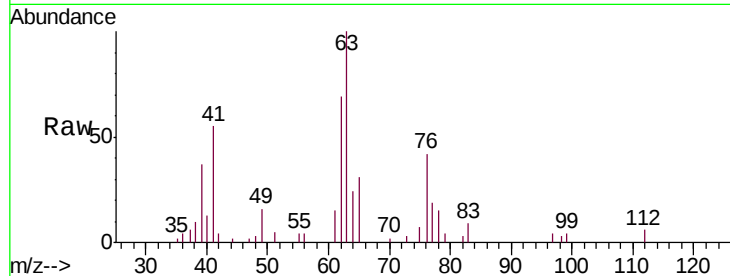




#45
 1,2-Dichloropropane
 Concen: 5.175 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

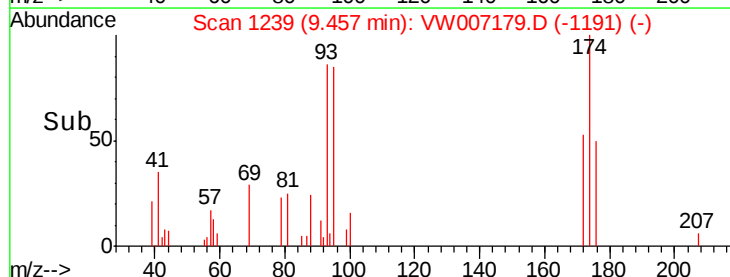
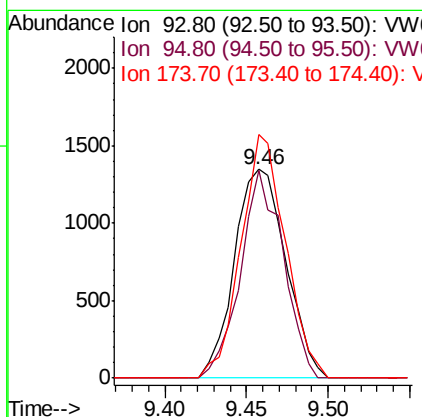
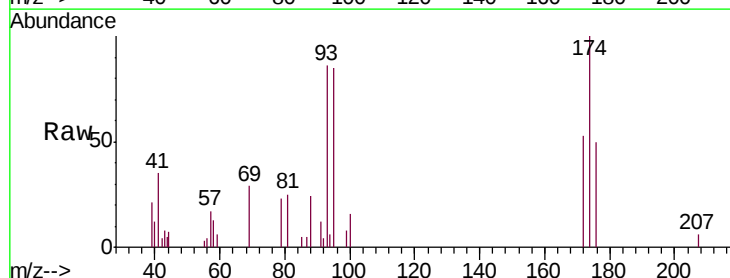
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

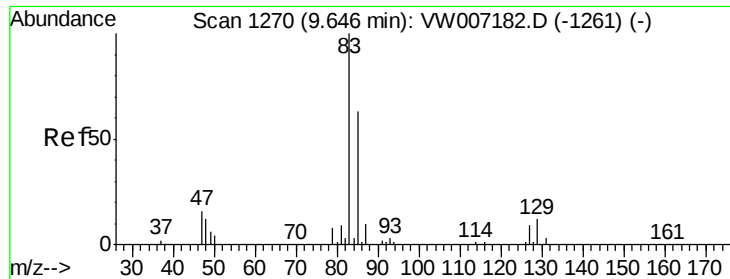
Tgt Ion: 63 Resp: 6081
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4



#46
 Dibromomethane
 Concen: 4.831 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Tgt Ion: 93 Resp: 2950
 Ion Ratio Lower Upper
 93 100
 95 82.4 68.7 103.1
 174 101.3 82.9 124.3





#47

Bromodichloromethane

Concen: 4.804 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

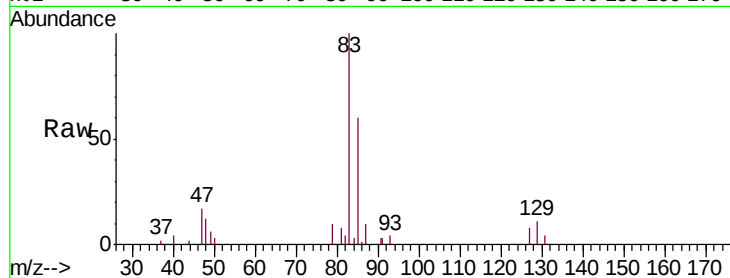
Tgt Ion: 83 Resp: 7715

Ion Ratio Lower Upper

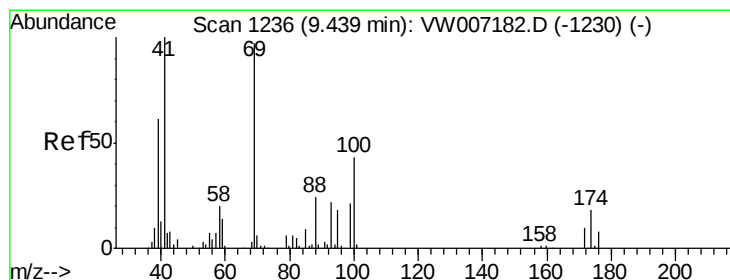
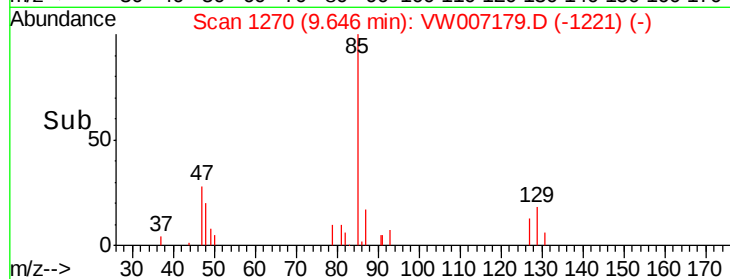
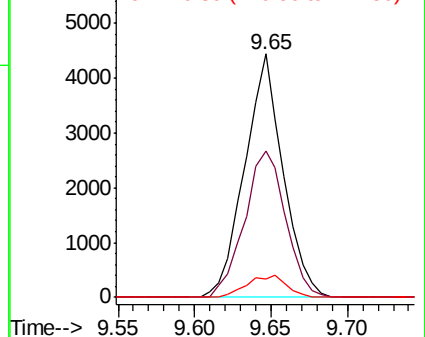
83 100

85 60.0 50.6 76.0

127 7.7 7.3 10.9



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: 4.438 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

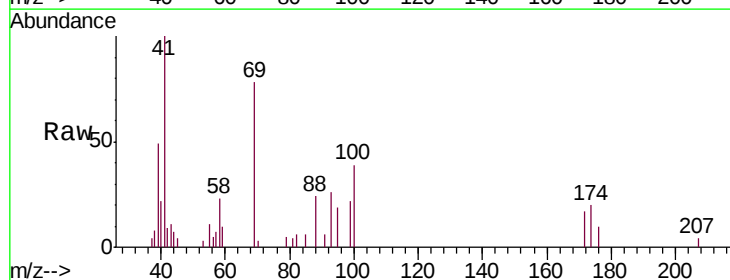
Tgt Ion: 41 Resp: 2980

Ion Ratio Lower Upper

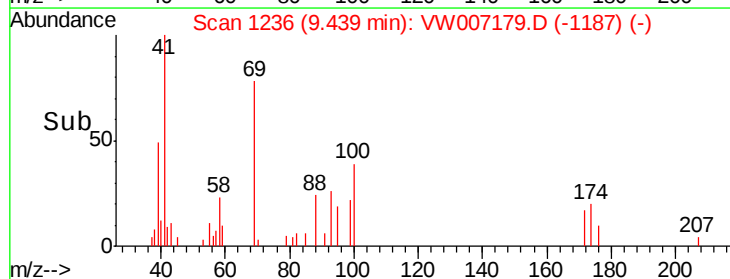
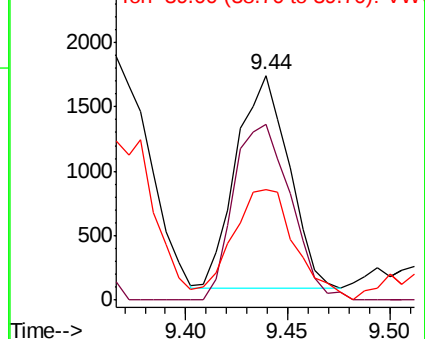
41 100

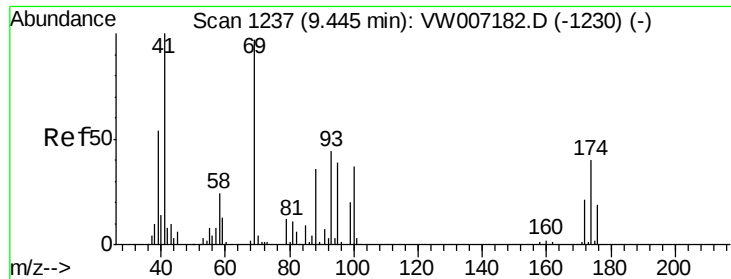
69 89.3 69.6 104.4

39 61.9 42.4 63.6



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

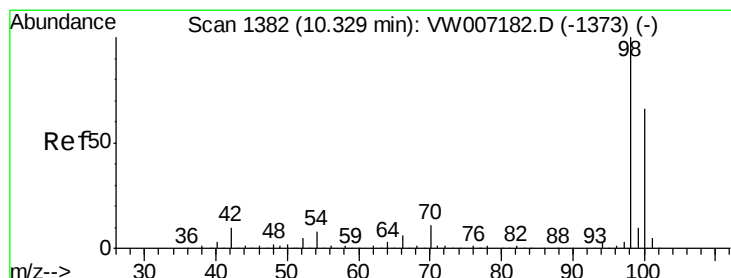
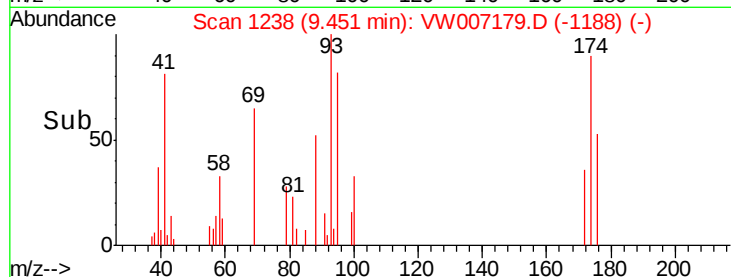
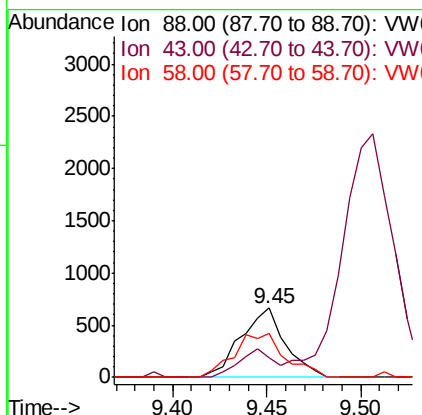
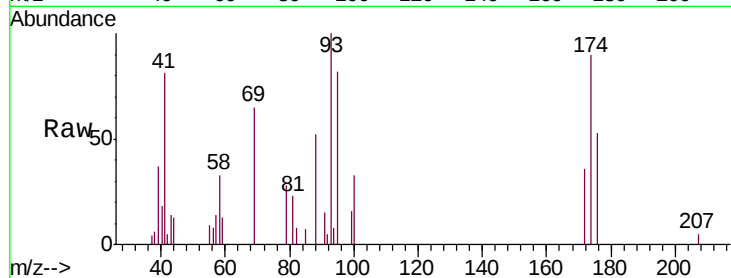




#49
1,4-Dioxane
Concen: 101.535 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

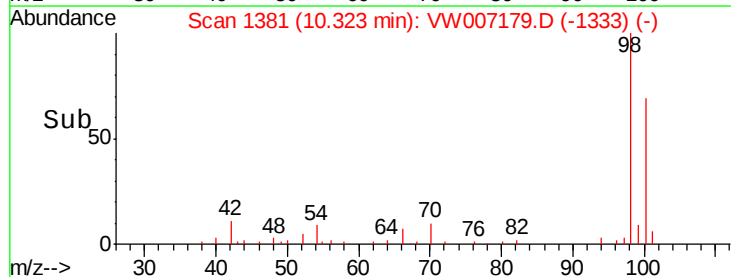
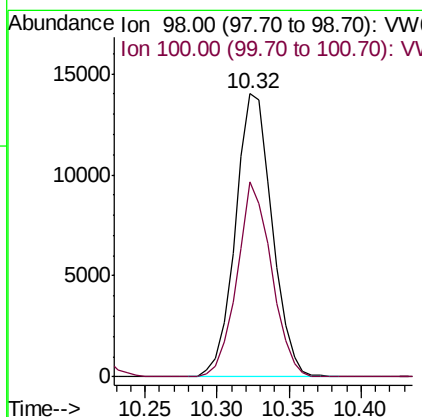
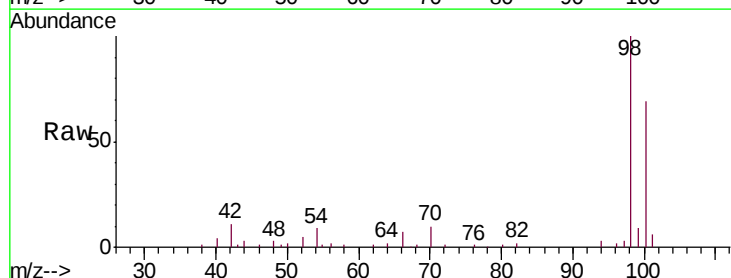
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

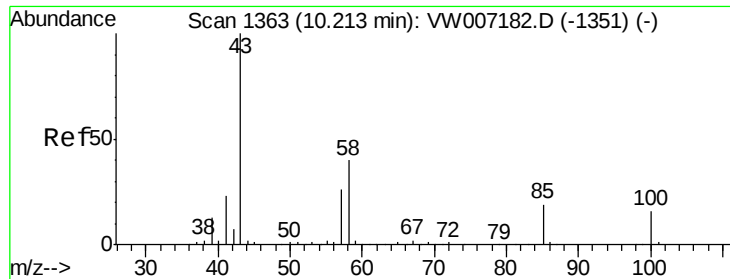
Tgt Ion: 88 Resp: 1083
Ion Ratio Lower Upper
88 100
43 31.9 25.8 38.8
58 72.8 58.9 88.3



#50
Toluene-d8
Concen: 5.189 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 98 Resp: 24768
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1

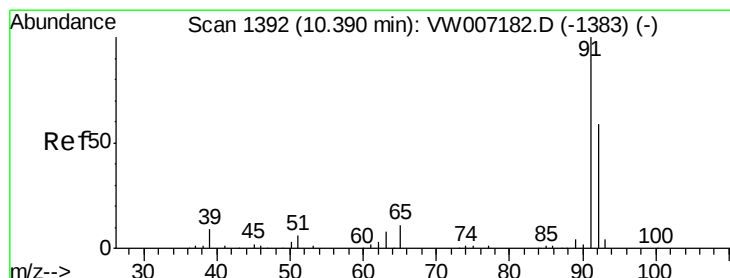
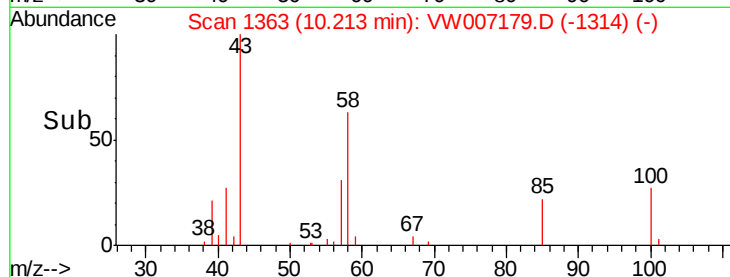
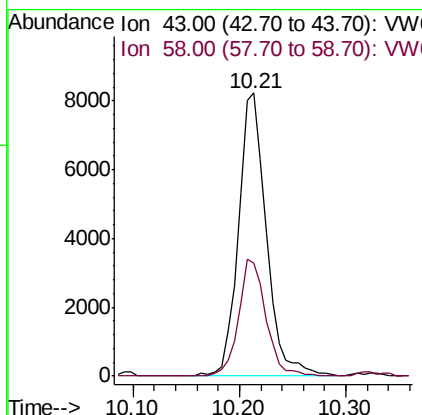
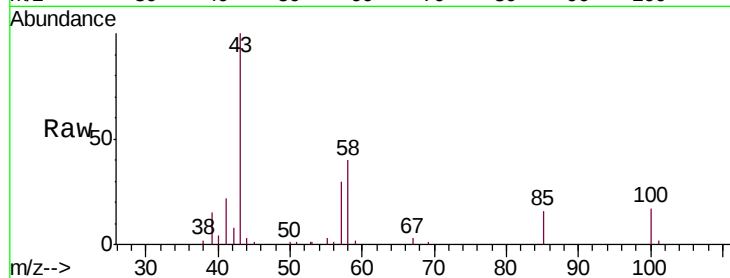




#51
4-Methyl-2-Pentanone
Concen: 23.789 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

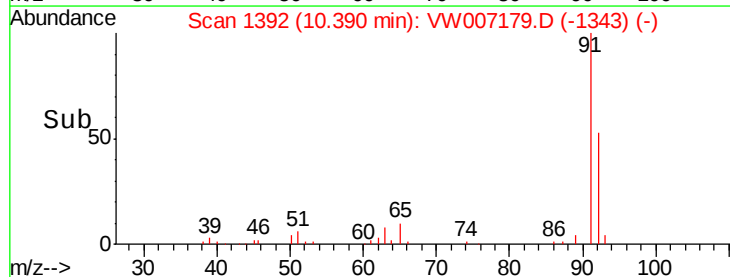
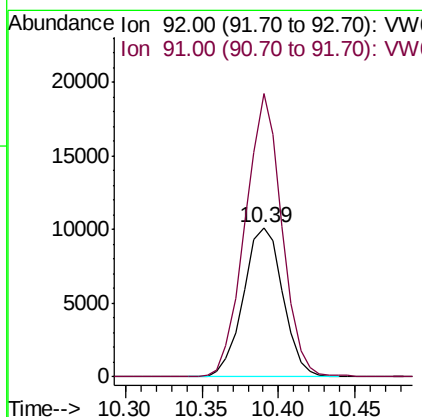
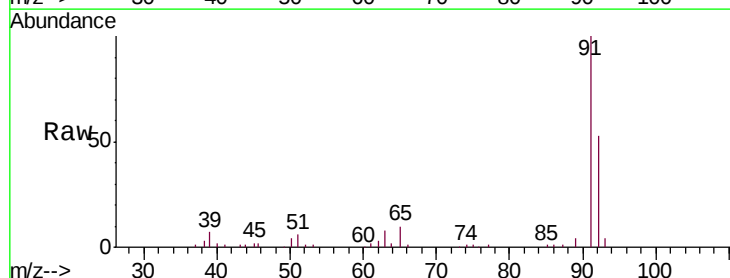
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

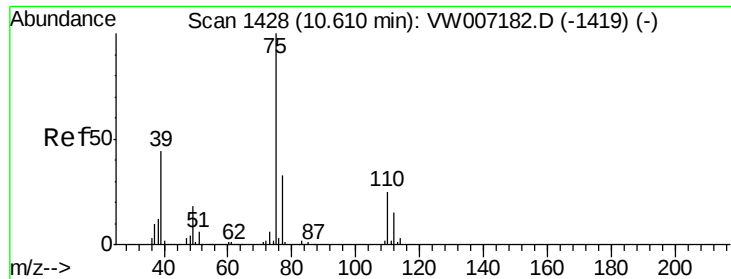
Tgt Ion: 43 Resp: 15166
Ion Ratio Lower Upper
43 100
58 40.2 32.3 48.5



#52
Toluene
Concen: 5.177 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 92 Resp: 18184
Ion Ratio Lower Upper
92 100
91 176.3 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 4.921 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

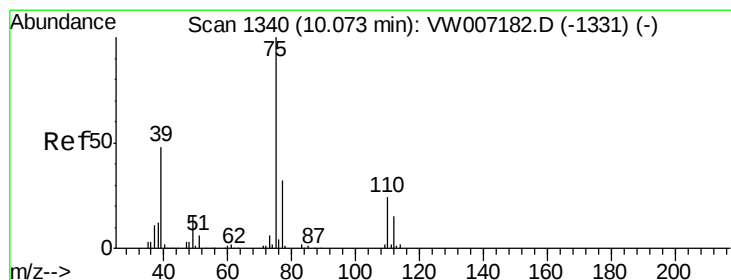
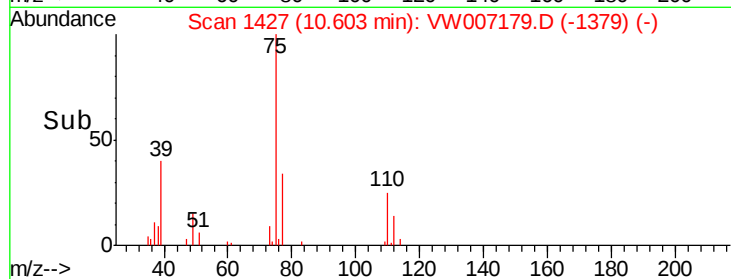
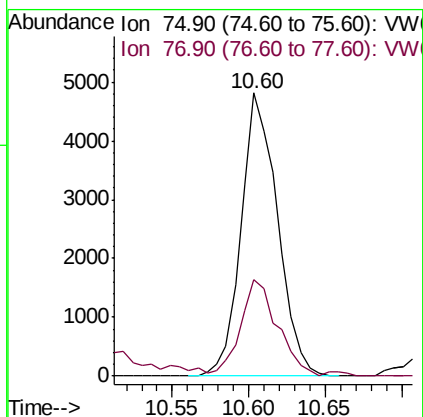
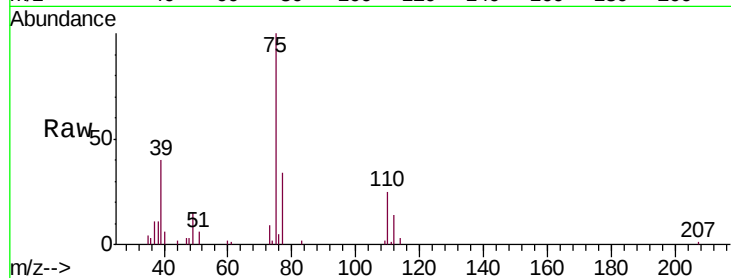
VSTDIC005

Tgt Ion: 75 Resp: 7947

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 4.875 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

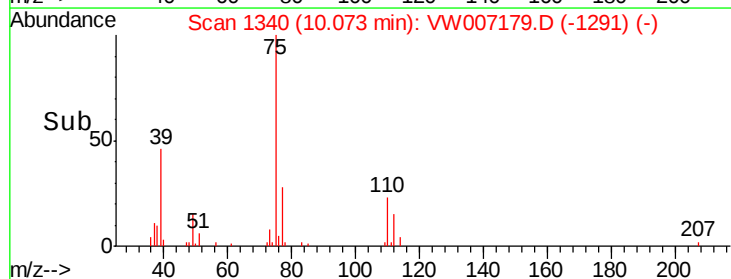
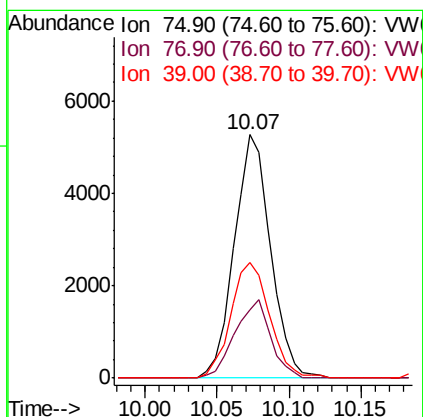
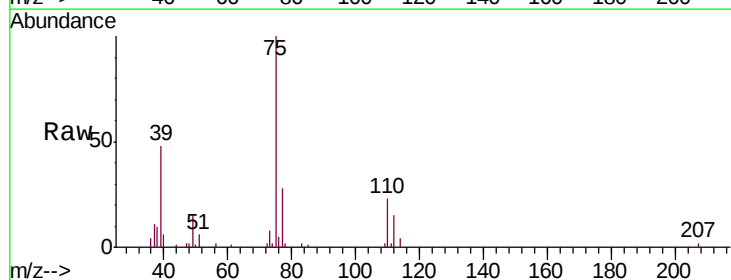
Tgt Ion: 75 Resp: 9226

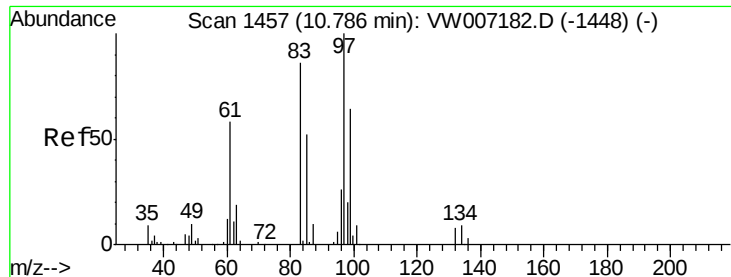
Ion Ratio Lower Upper

75 100

77 28.0 26.0 39.0

39 47.7 38.0 57.0

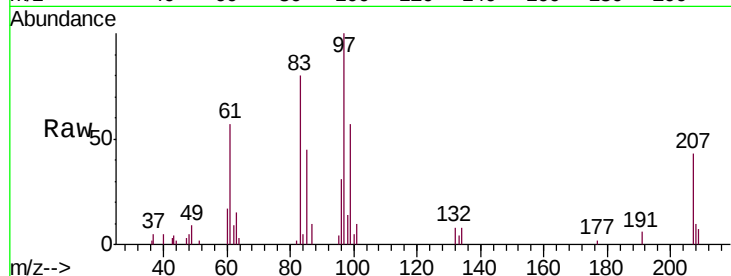




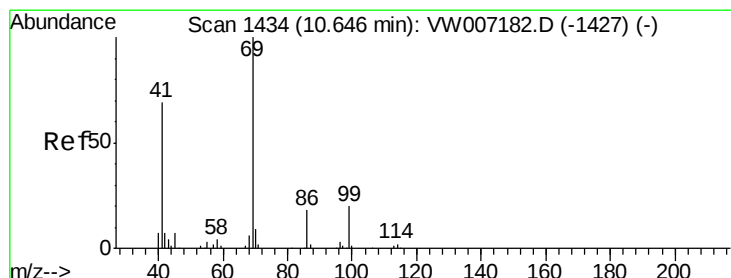
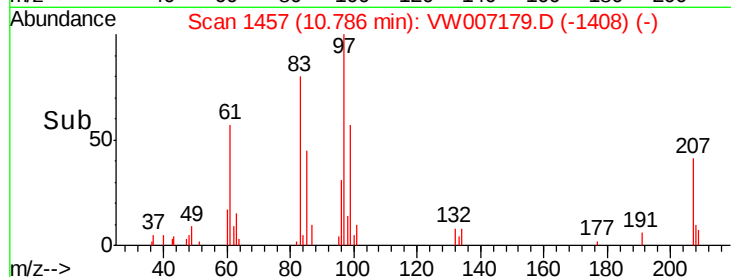
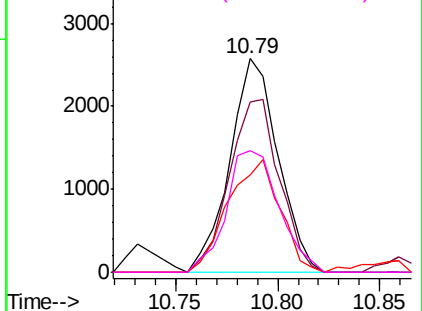
#55
 1,1,2-Trichloroethane
 Concen: 4.875 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:	97	Resp:	4234
Ion	Ratio	Lower	Upper
97	100		
83	80.0	68.6	102.8
85	45.3	41.4	62.2
99	57.1	51.2	76.8

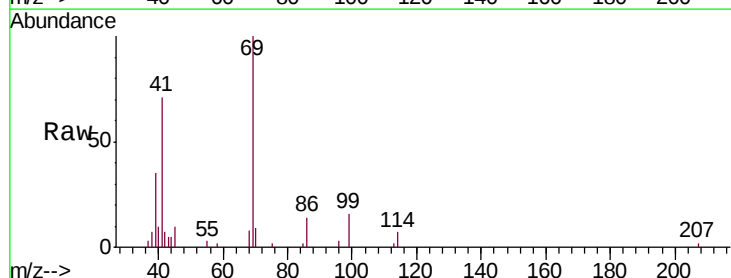


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

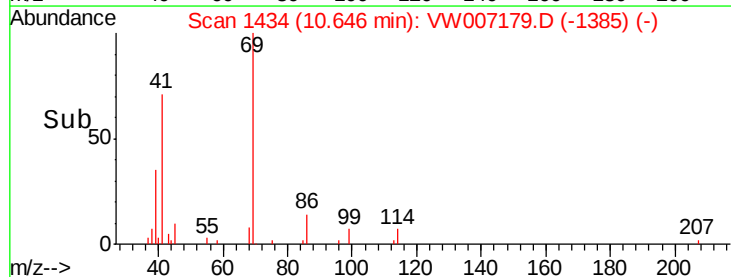
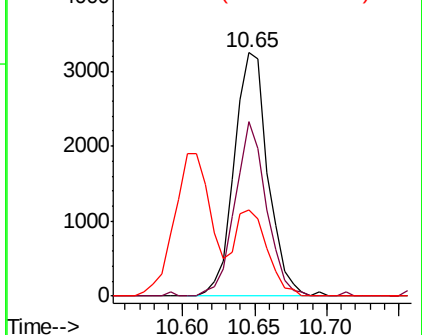


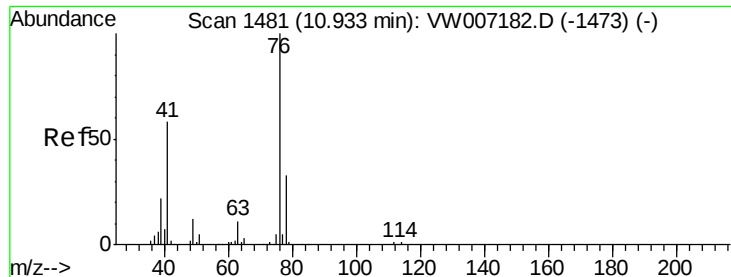
#56
 Ethyl methacrylate
 Concen: 4.679 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Tgt Ion:	69	Resp:	5301
Ion	Ratio	Lower	Upper
69	100		
41	66.6	51.8	77.6
39	34.7	28.7	43.1



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

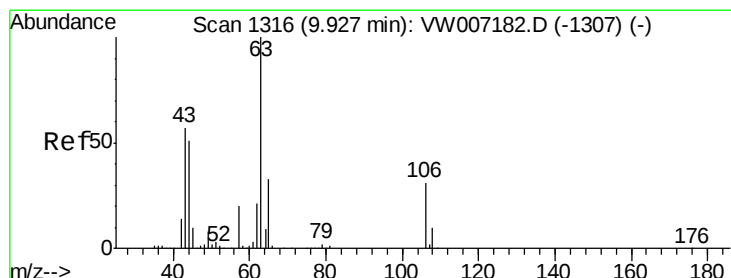
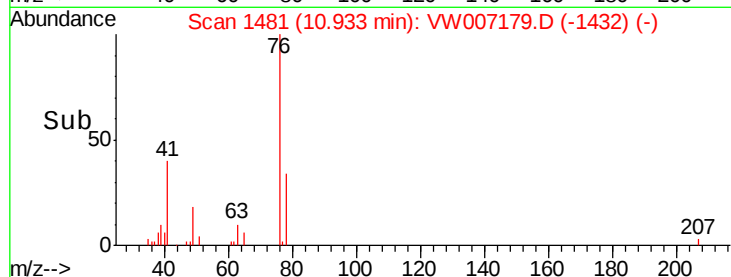
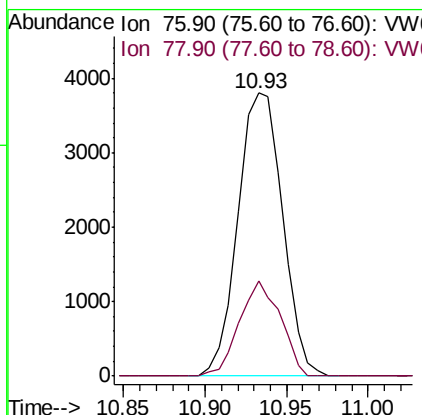
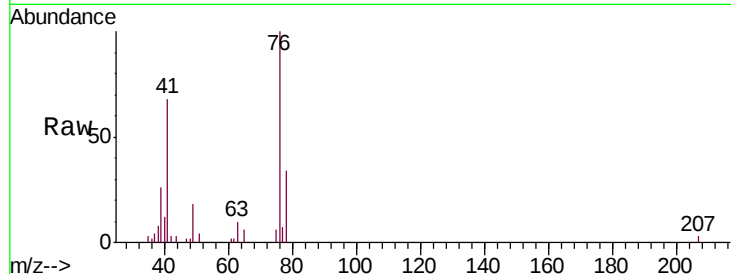




#57
 1,3-Dichloropropane
 Concen: 4.948 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

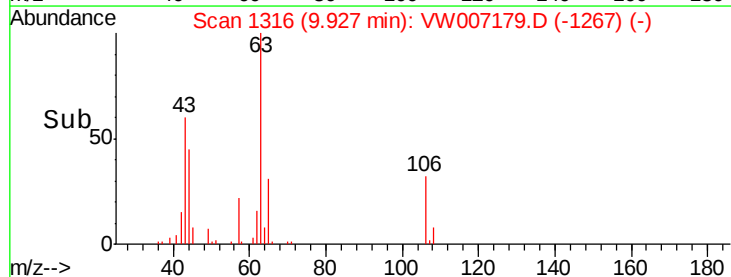
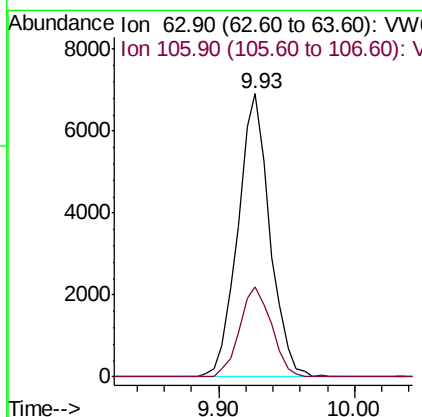
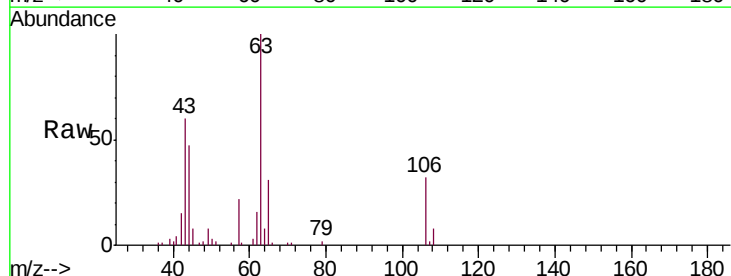
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

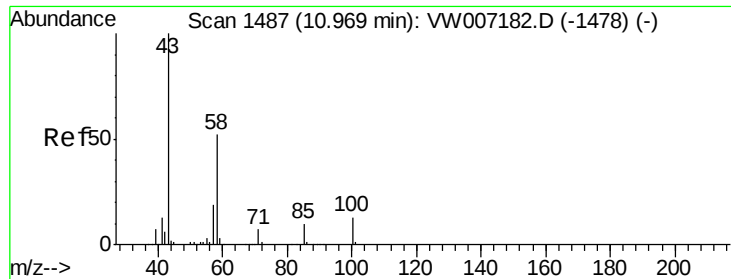
Tgt Ion: 76 Resp: 7255
 Ion Ratio Lower Upper
 76 100
 78 30.8 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.835 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Tgt Ion: 63 Resp: 11301
 Ion Ratio Lower Upper
 63 100
 106 31.8 24.1 36.1

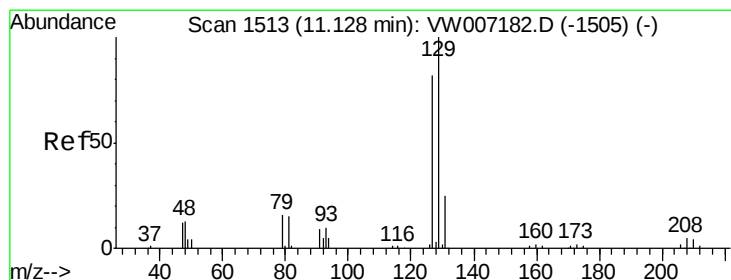
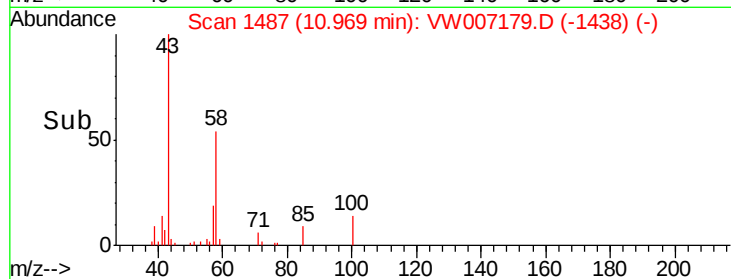
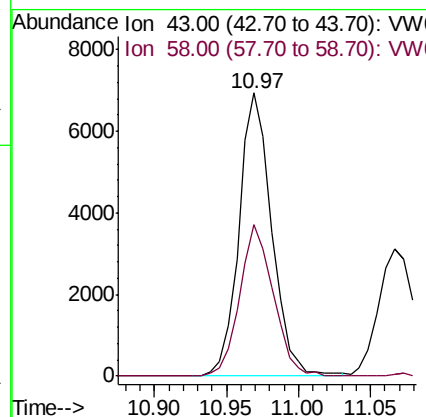
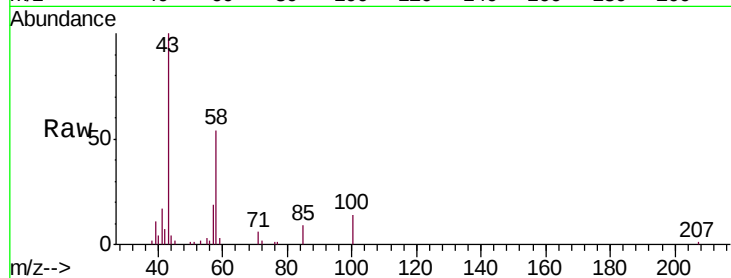




#59
2-Hexanone
Concen: 23.687 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

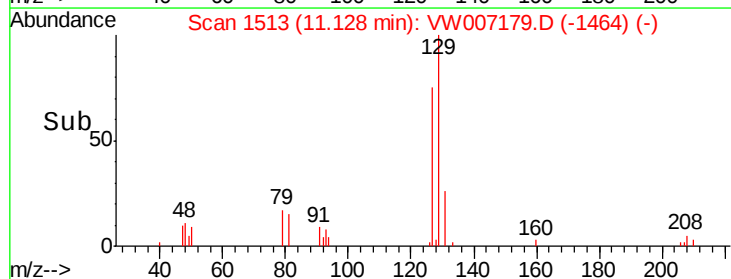
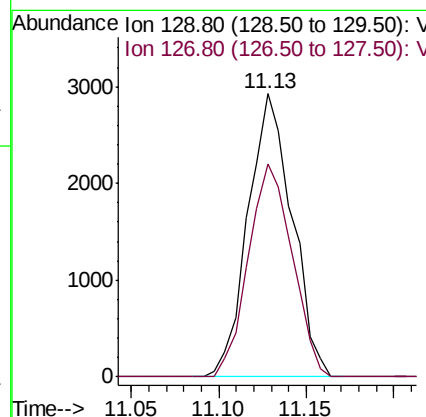
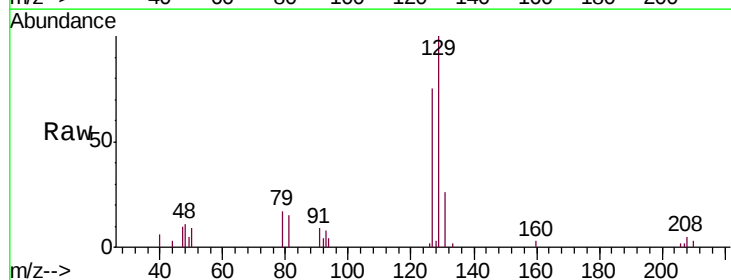
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

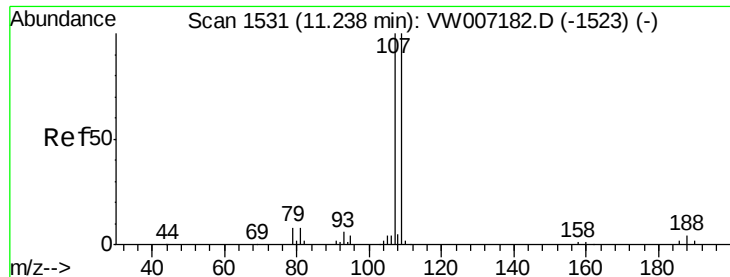
Tgt Ion: 43 Resp: 10947
Ion Ratio Lower Upper
43 100
58 54.9 28.1 84.4



#60
Dibromochloromethane
Concen: 4.797 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 129 Resp: 5121
Ion Ratio Lower Upper
129 100
127 74.8 39.8 119.4

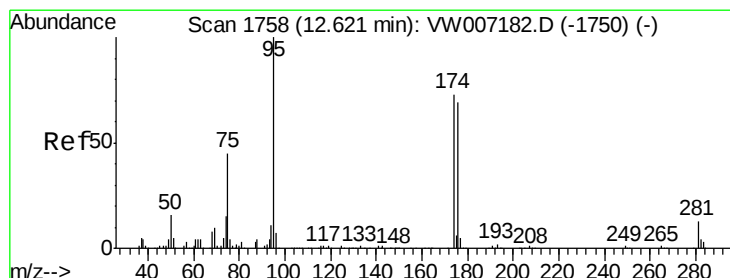
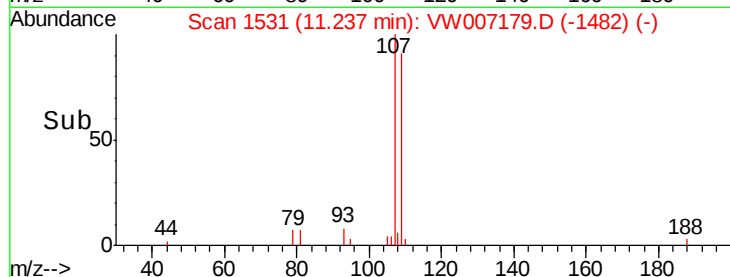
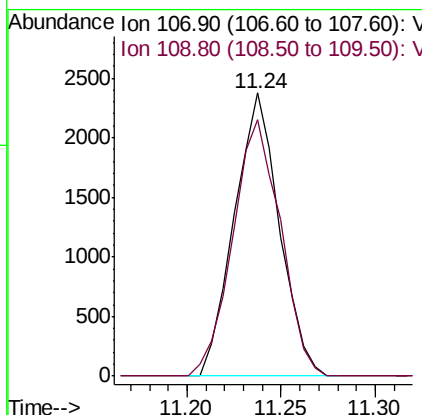
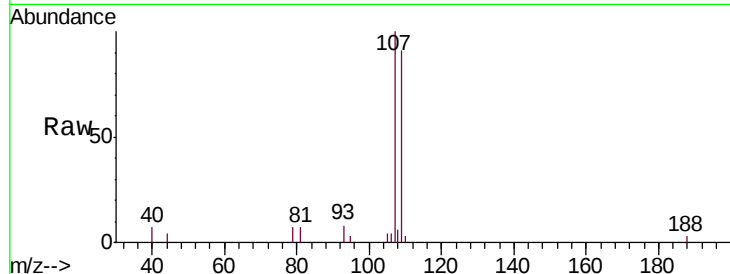




#61
1,2-Dibromoethane
Concen: 4.720 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

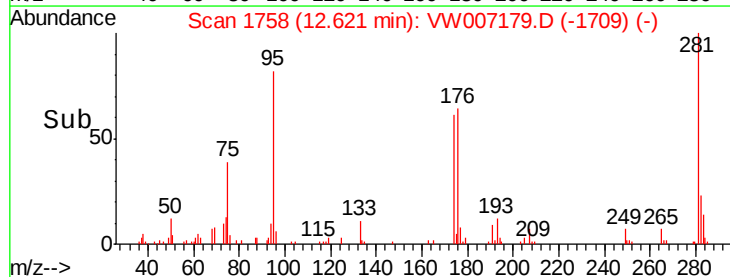
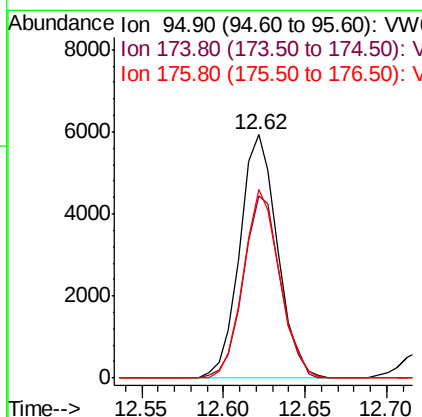
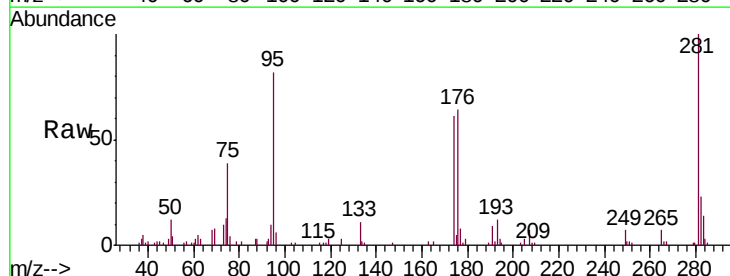
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 107 Resp: 3932
Ion Ratio Lower Upper
107 100
109 96.2 77.3 115.9



#62
4-Bromofluorobenzene
Concen: 5.307 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 95 Resp: 9561
Ion Ratio Lower Upper
95 100
174 73.8 0.0 148.0
176 74.2 0.0 139.4

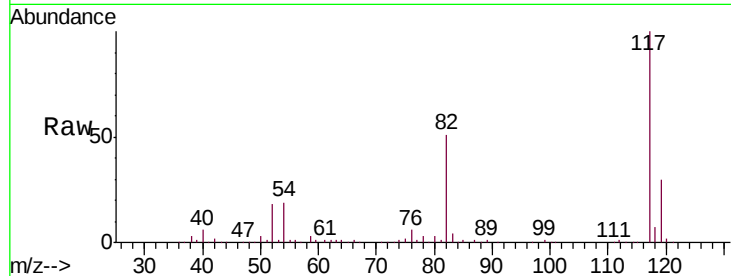




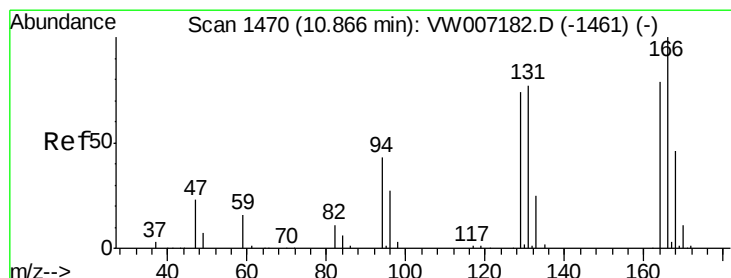
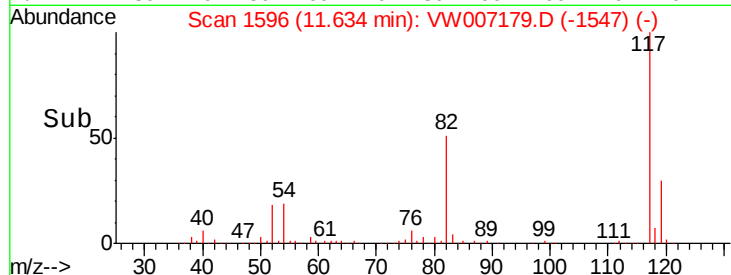
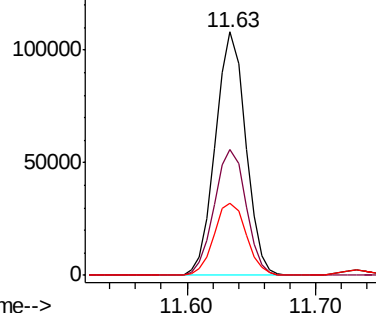
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 175648
Ion Ratio Lower Upper
117 100
82 51.5 47.4 71.2
119 29.8 26.8 40.2

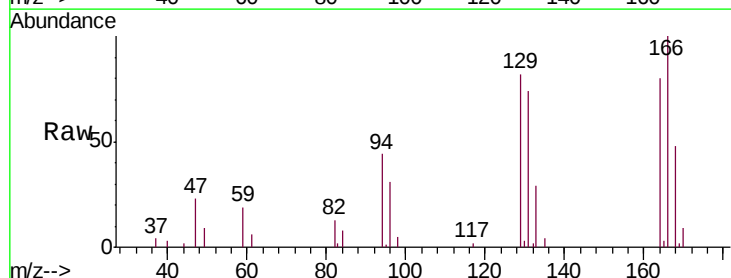


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

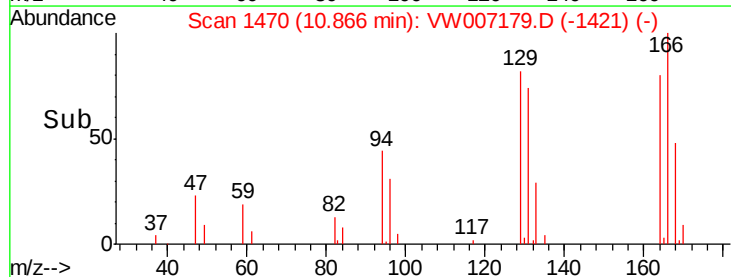
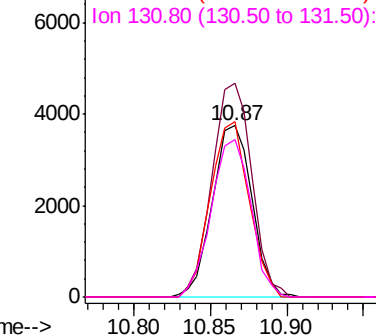


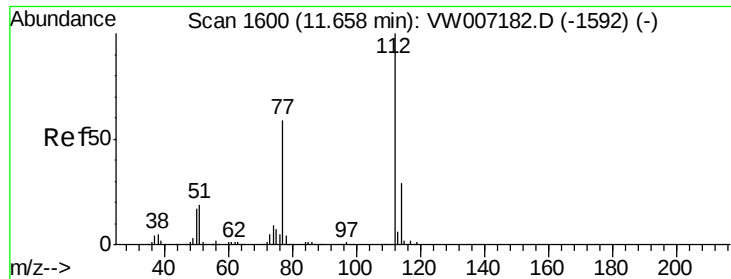
#64
Tetrachloroethene
Concen: 5.277 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion:164 Resp: 6772
Ion Ratio Lower Upper
164 100
166 124.6 101.0 151.4
129 102.4 74.6 111.8
131 91.7 77.6 116.4



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

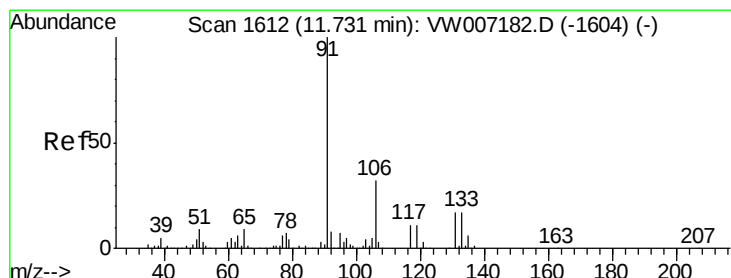
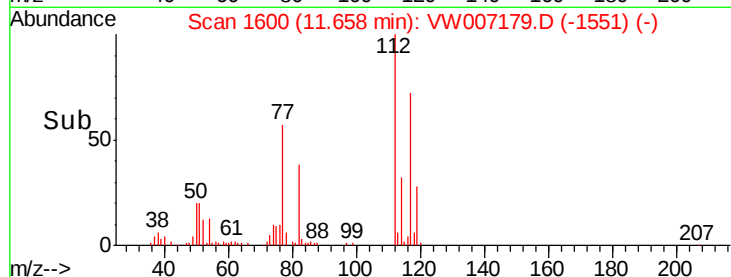
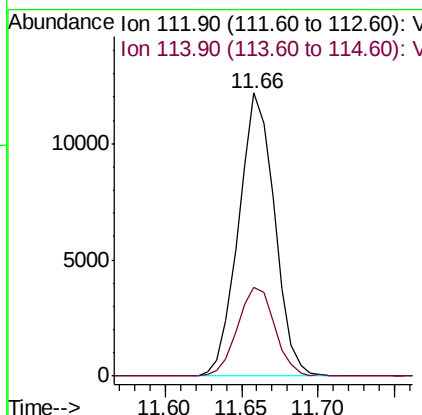
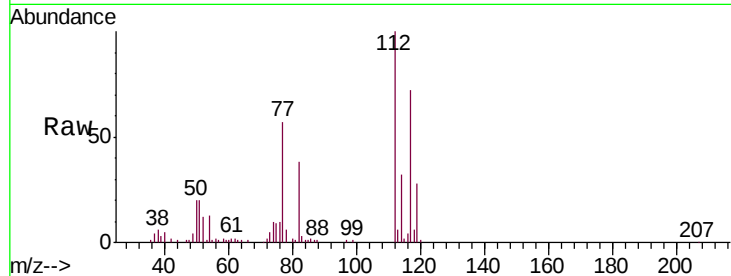




#65
Chlorobenzene
Concen: 5.063 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

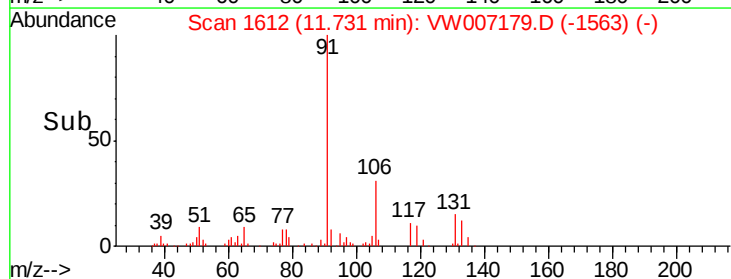
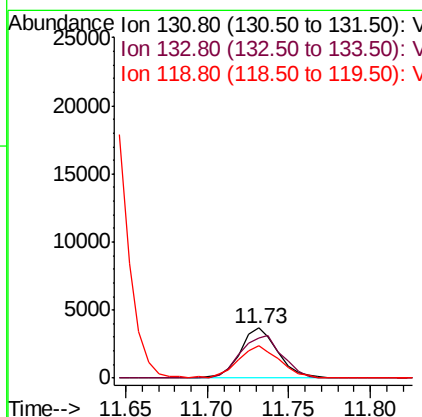
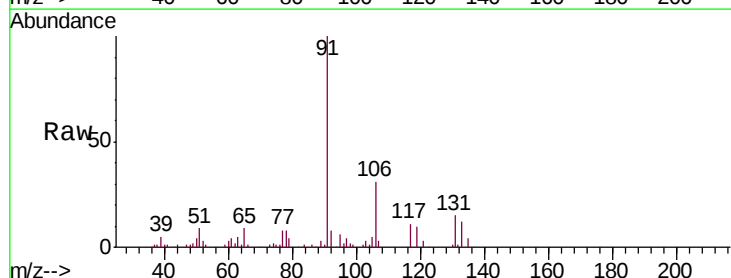
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 19862
Ion Ratio Lower Upper
112 100
114 31.5 23.0 34.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.854 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion:131 Resp: 5881
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.2
119 70.8 32.8 98.4

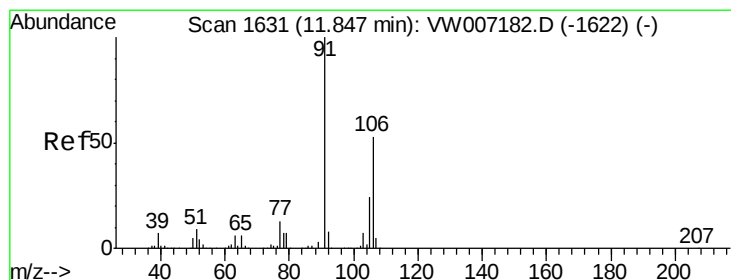
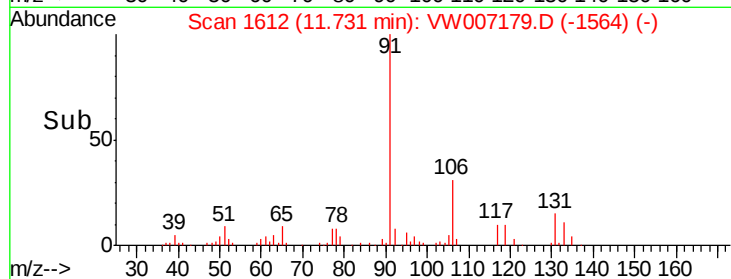
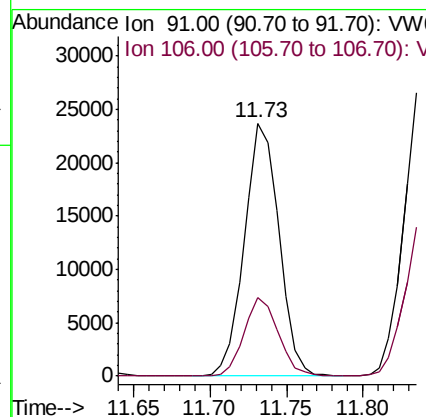
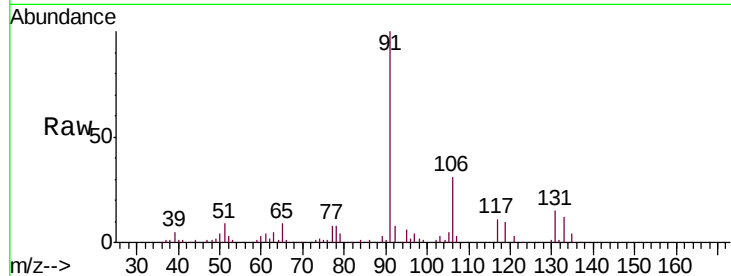




#67
Ethyl Benzene
Concen: 5.217 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

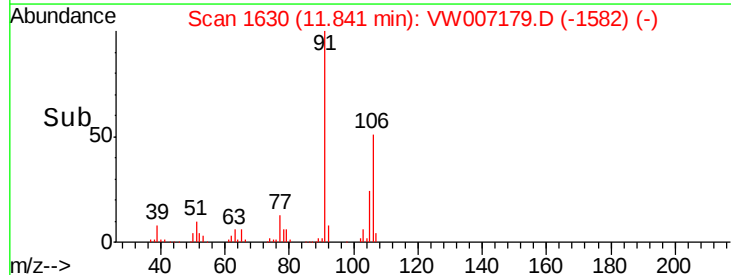
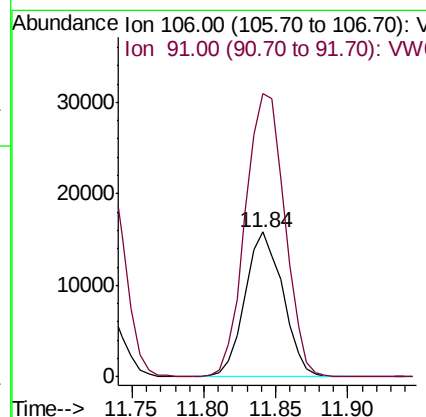
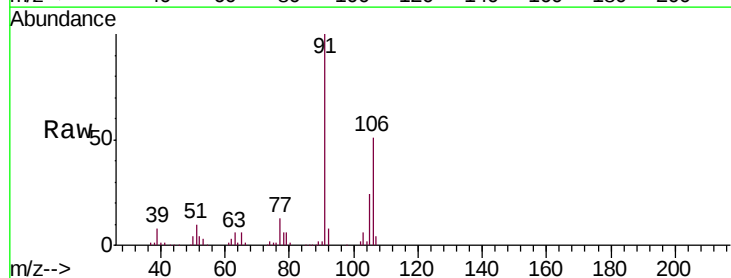
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 37299
Ion Ratio Lower Upper
91 100
106 31.0 26.0 39.0



#68
m/p-Xylenes
Concen: 10.309 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 106 Resp: 28915
Ion Ratio Lower Upper
106 100
91 203.2 160.2 240.4

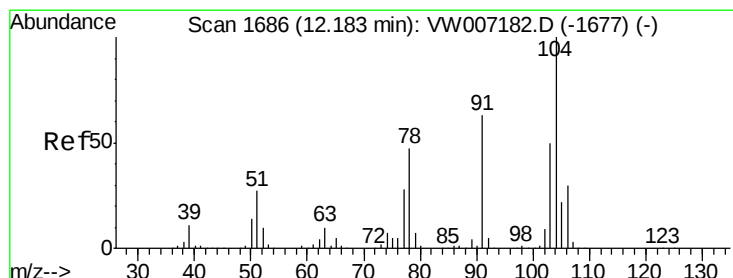
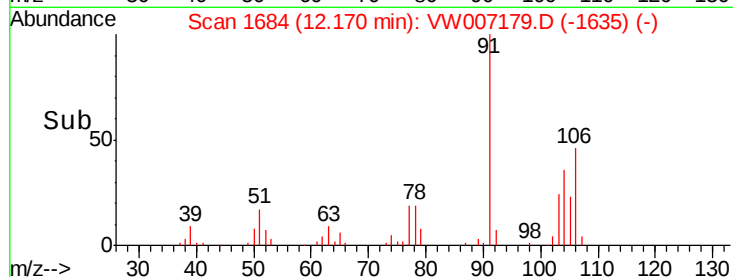
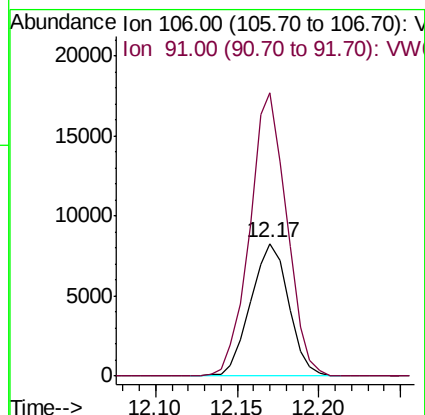
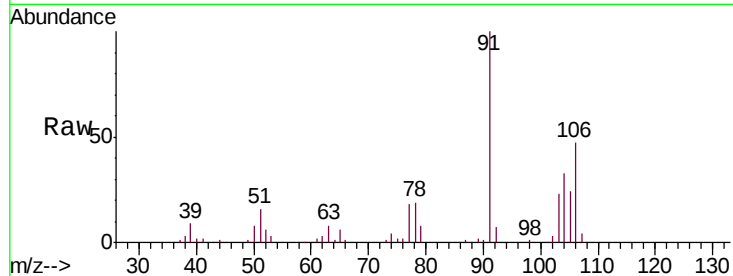




#69
o-Xylene
Concen: 5.117 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

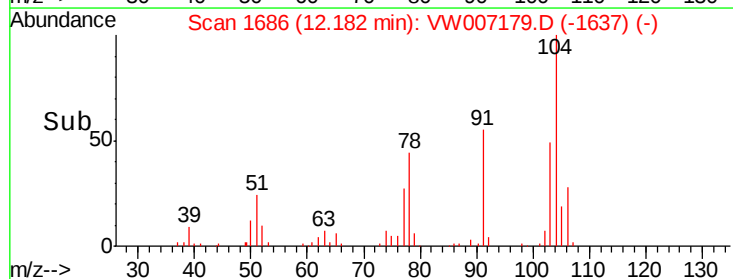
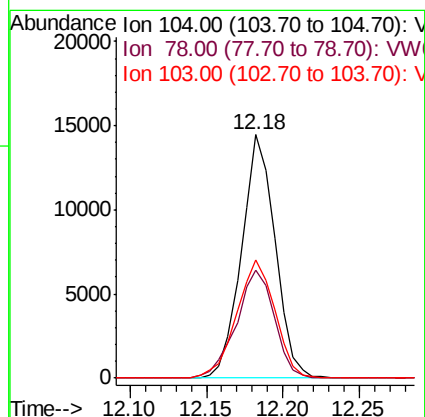
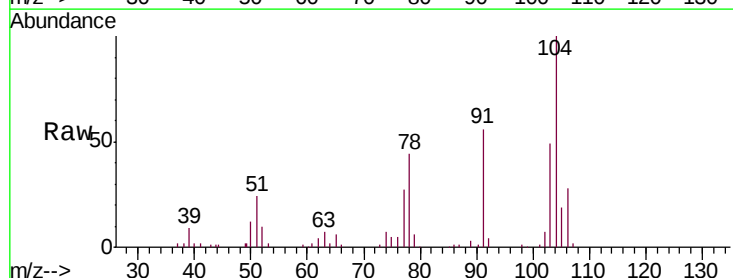
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

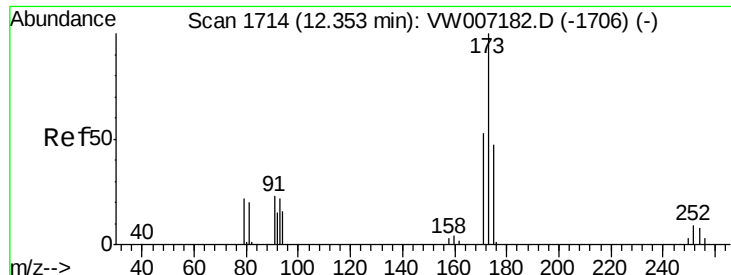
Tgt Ion:106 Resp: 13409
Ion Ratio Lower Upper
106 100
91 208.4 104.9 314.7



#70
Styrene
Concen: 5.134 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion:104 Resp: 22026
Ion Ratio Lower Upper
104 100
78 50.1 40.6 60.8
103 54.9 43.0 64.4

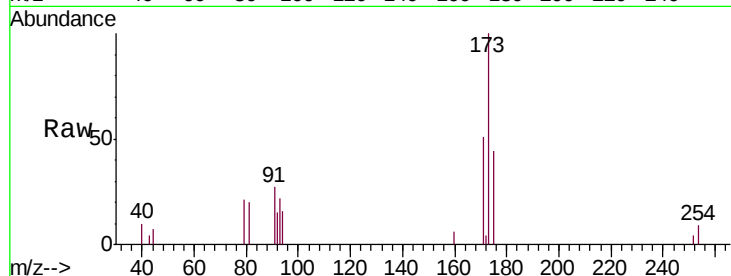




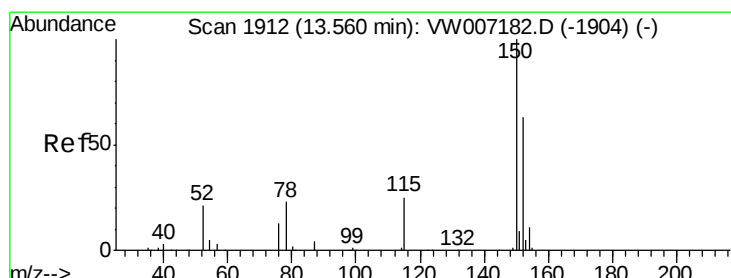
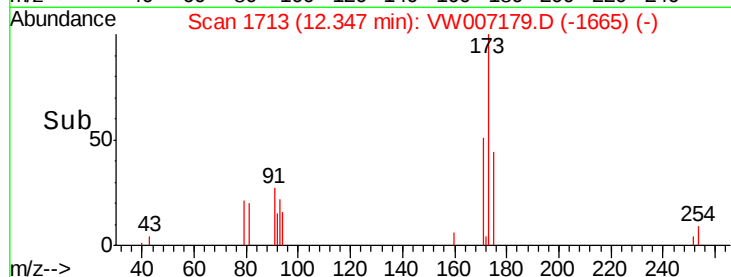
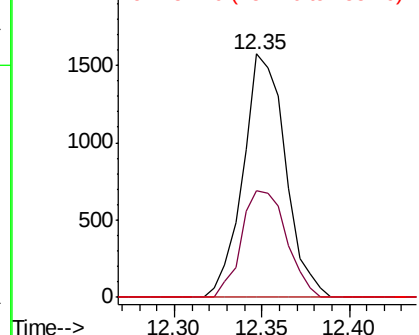
#71
Bromoform
Concen: 4.365 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:173 Resp: 2647
Ion Ratio Lower Upper
173 100
175 46.6 24.0 72.0
254 0.0 0.0 0.0

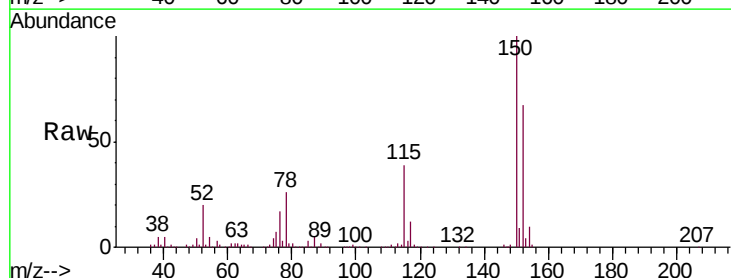


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

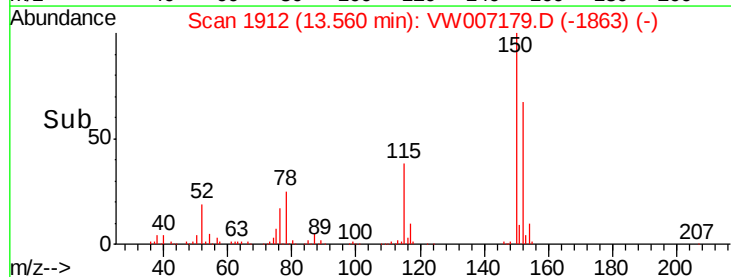
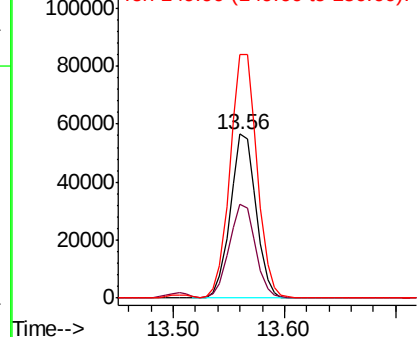


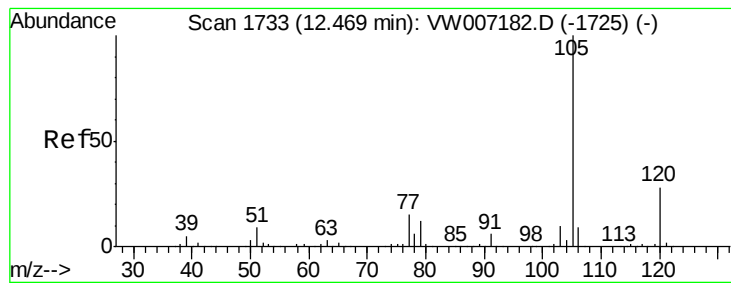
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion:152 Resp: 90240
Ion Ratio Lower Upper
152 100
115 58.9 31.3 93.8
150 156.1 0.0 358.0



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





#73

Isopropylbenzene

Concen: 5.067 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

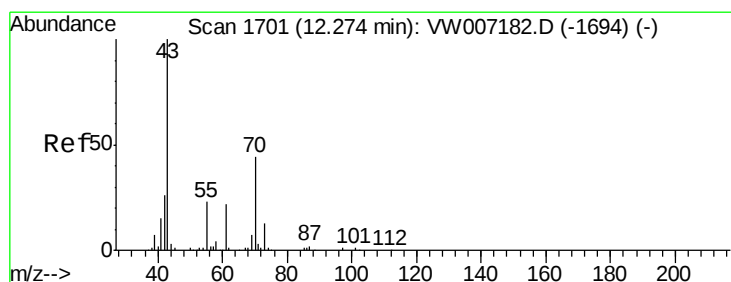
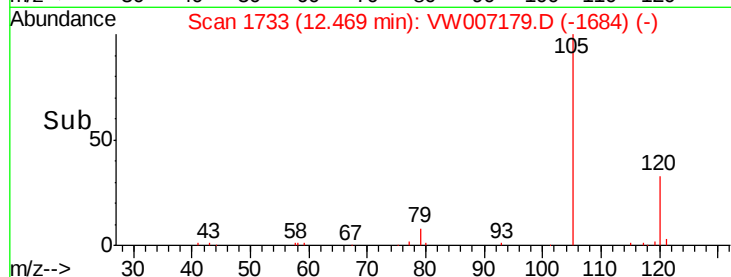
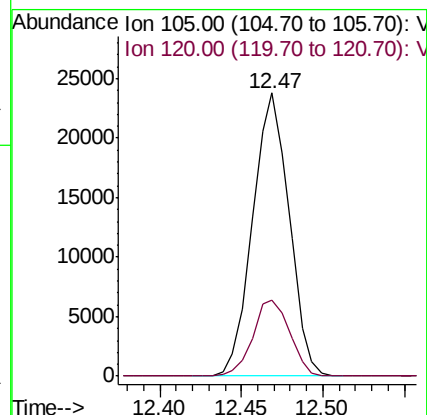
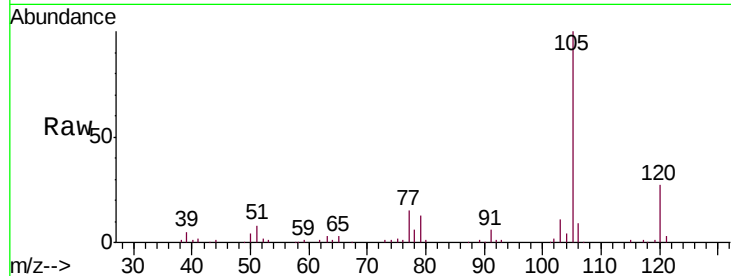
VSTDIC005

Tgt Ion: 105 Resp: 37192

Ion Ratio Lower Upper

105 100

120 27.1 13.2 39.6



#74

N-ethyl acetate

Concen: 4.601 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Tgt Ion: 43 Resp: 5987

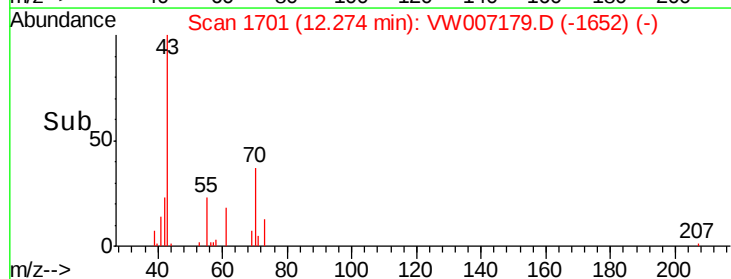
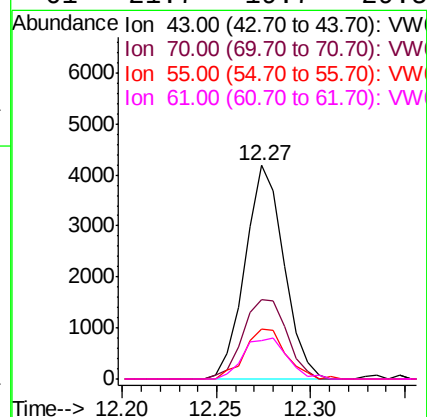
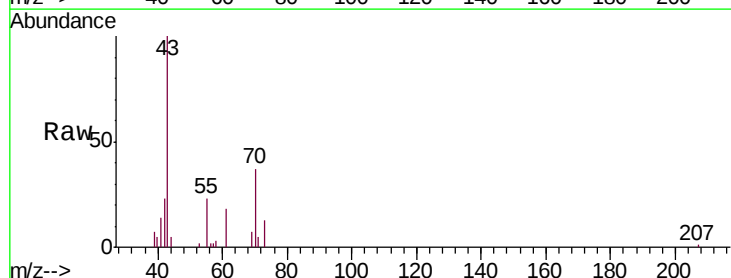
Ion Ratio Lower Upper

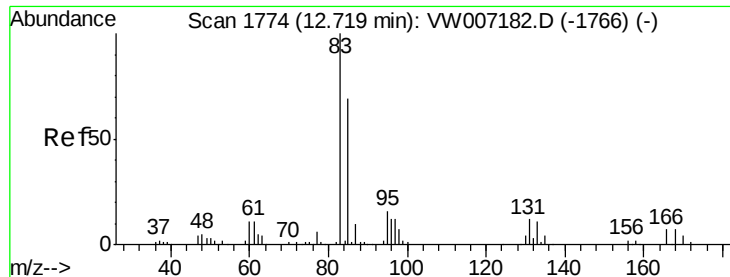
43 100

70 41.8 34.0 51.0

55 24.8 19.0 28.6

61 21.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 4.718 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

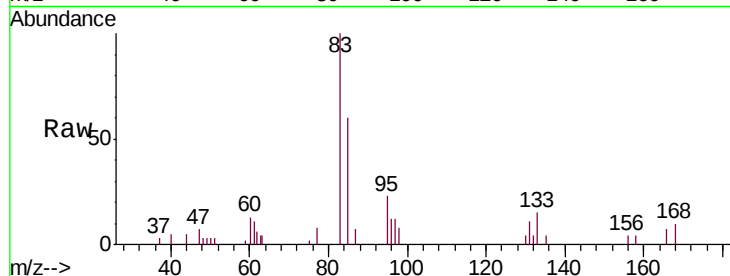
Tgt Ion: 83 Resp: 4497

Ion Ratio Lower Upper

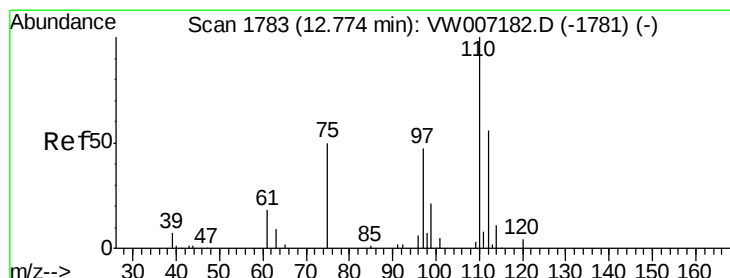
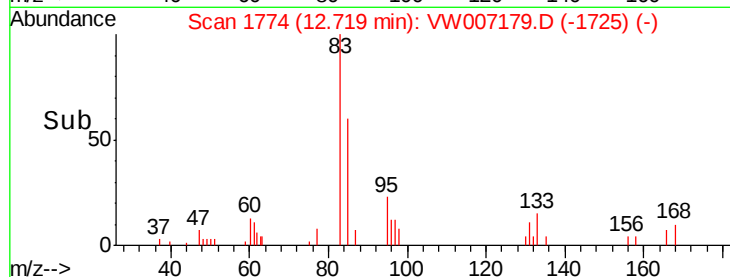
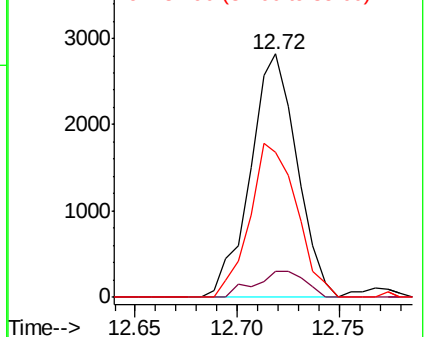
83 100

131 11.5 6.0 18.1

85 63.6 33.0 99.0



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: 4.999 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007179.D

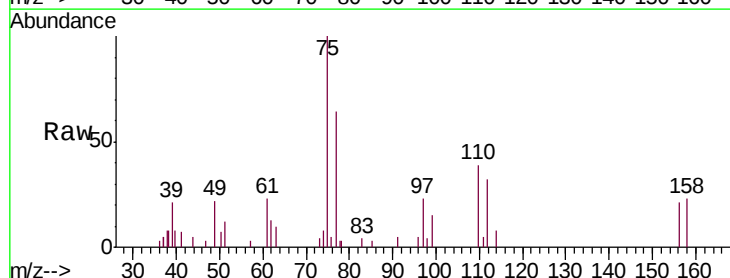
Acq: 04 Dec 2018 11:02

Tgt Ion: 75 Resp: 6063

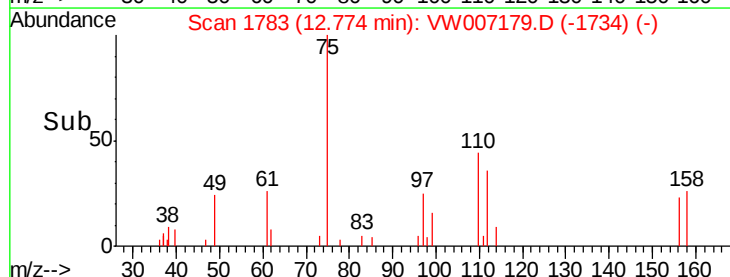
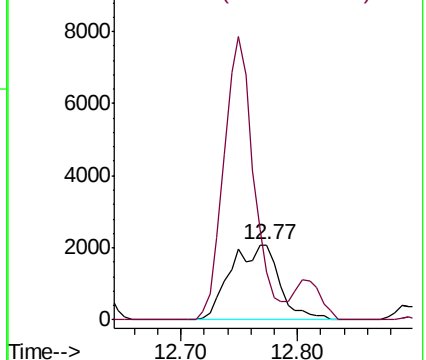
Ion Ratio Lower Upper

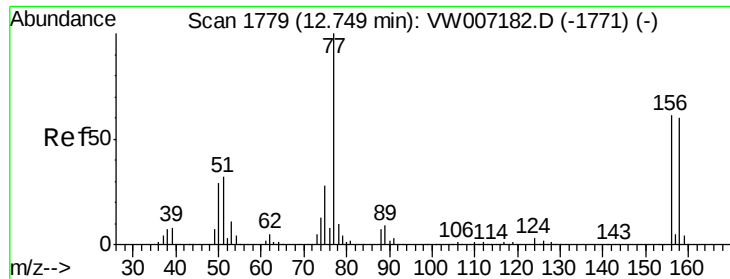
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.057 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007179.D

Acq: 04 Dec 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

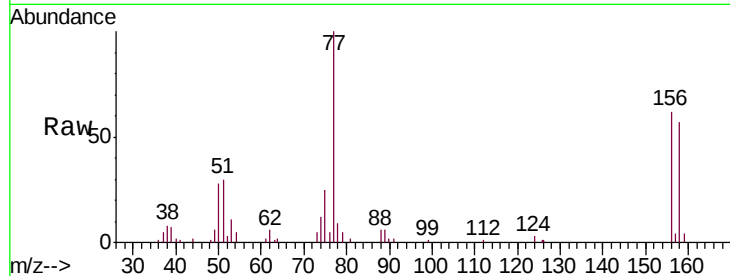
Tgt Ion: 156 Resp: 8011

Ion Ratio Lower Upper

156 100

77 178.0 92.0 276.1

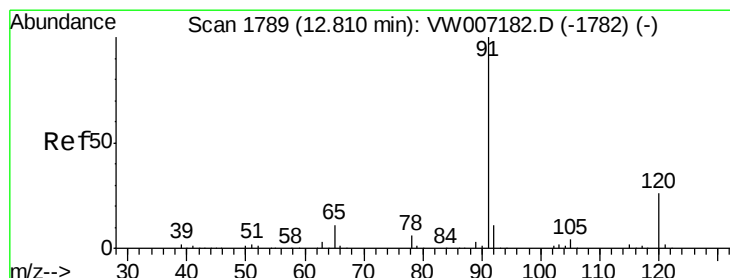
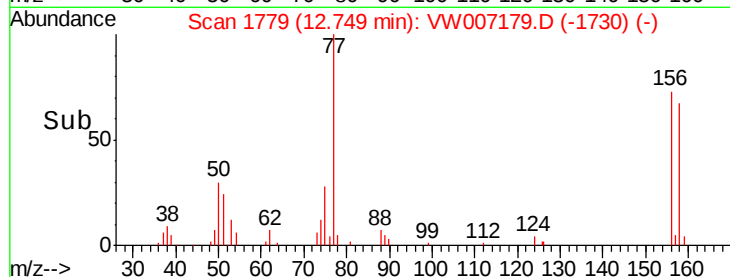
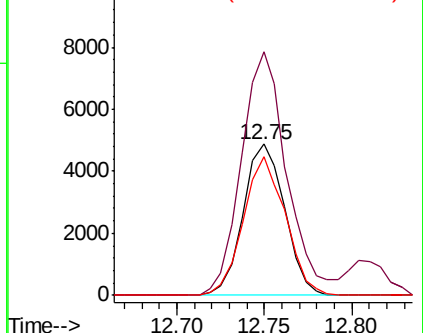
158 93.3 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.272 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007179.D

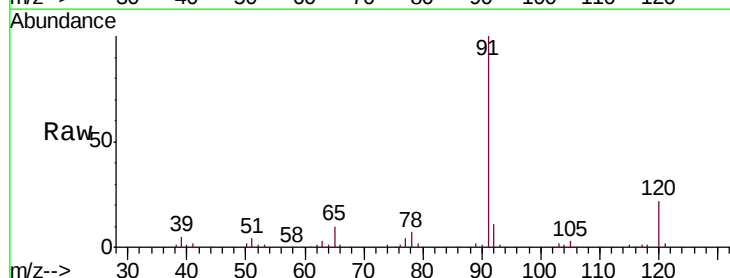
Acq: 04 Dec 2018 11:02

Tgt Ion: 91 Resp: 46102

Ion Ratio Lower Upper

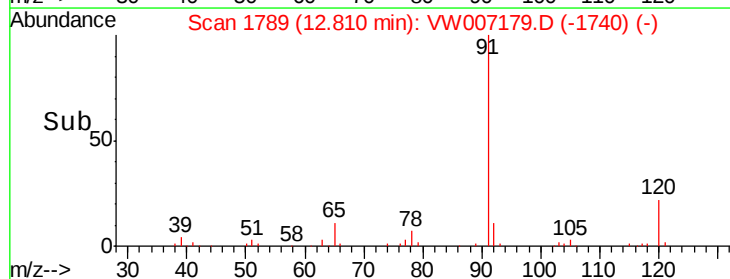
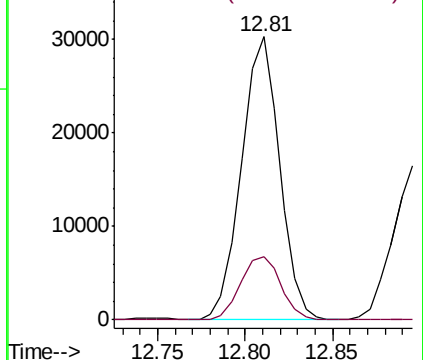
91 100

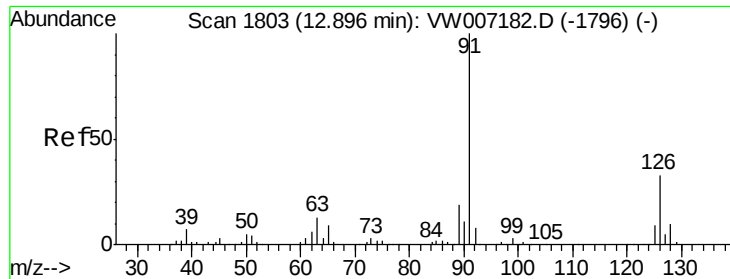
120 23.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

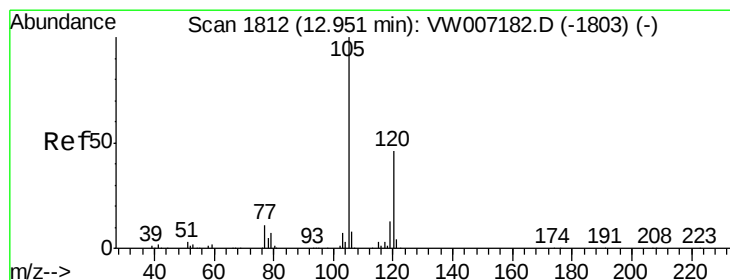
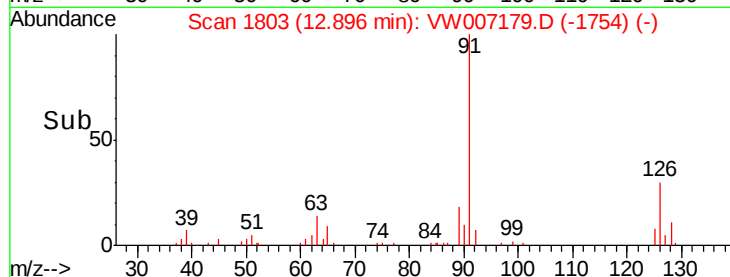
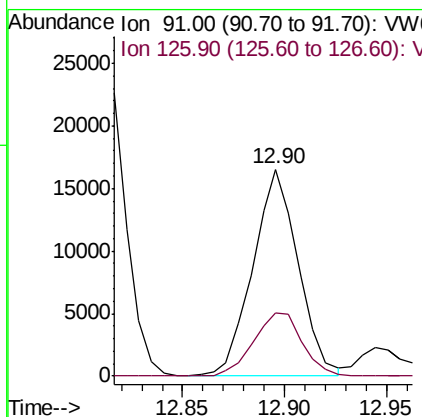
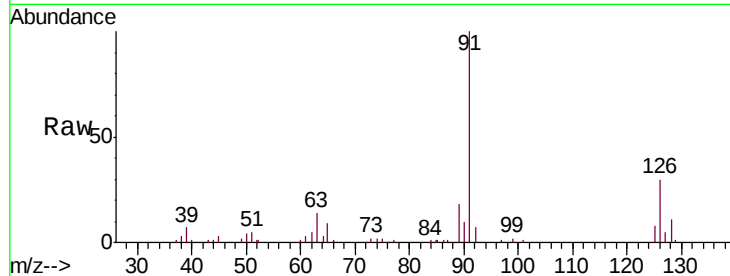




#79
 2-Chlorotoluene
 Concen: 5.180 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

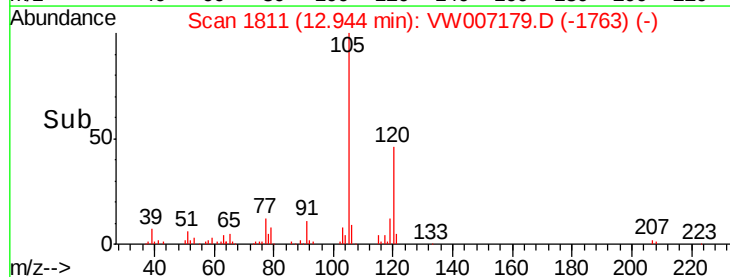
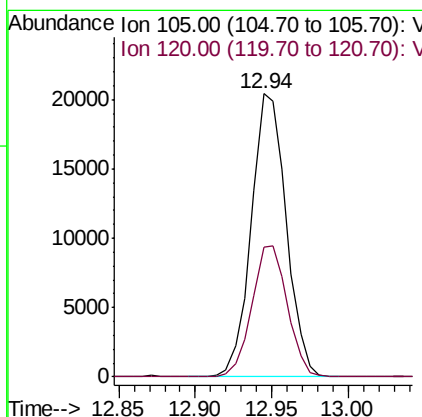
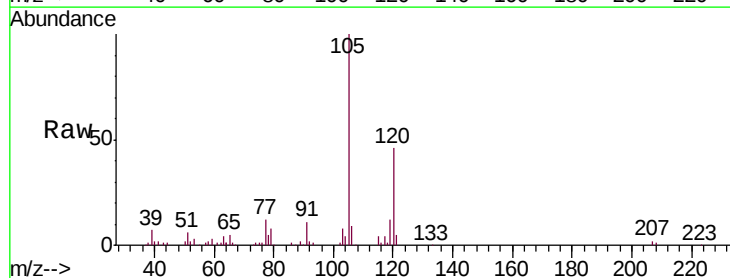
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

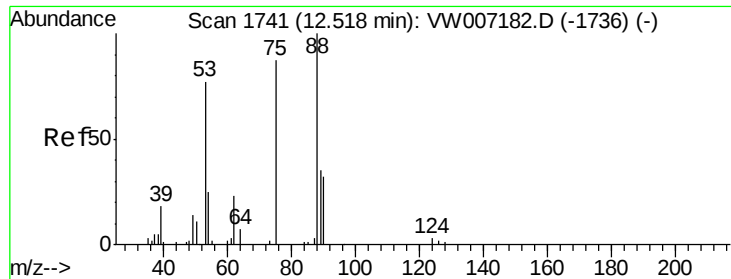
Tgt Ion: 91 Resp: 25578
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 5.180 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Tgt Ion: 105 Resp: 32524
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.8 71.5

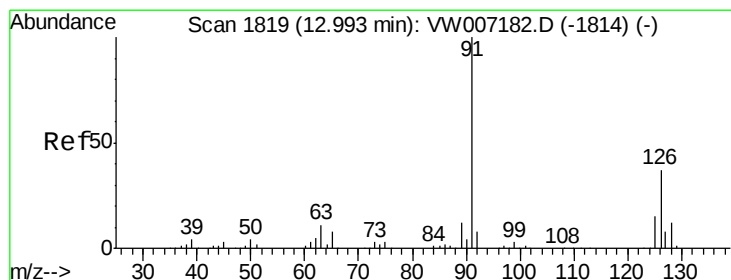
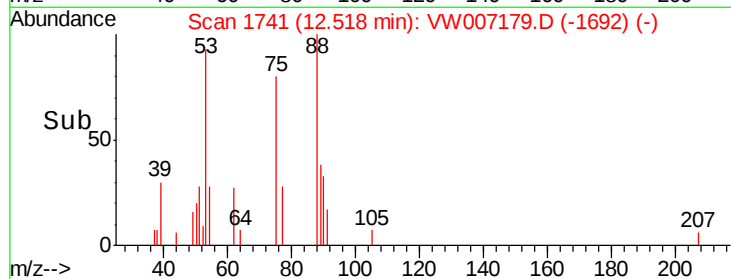
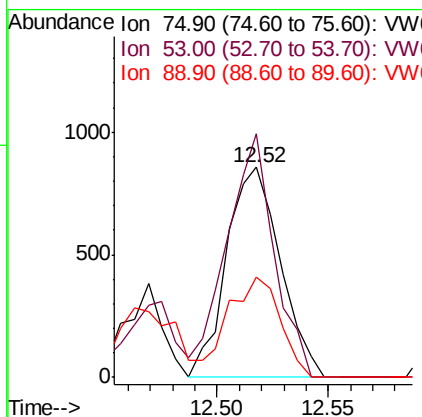
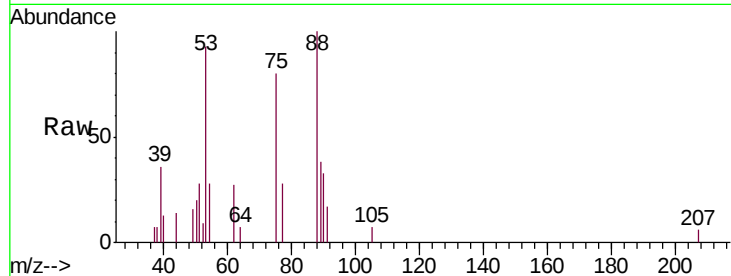




#81
trans-1,4-Dichloro-2-butene
Concen: 4.436 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

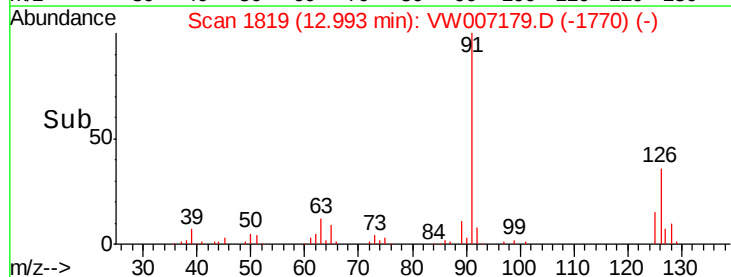
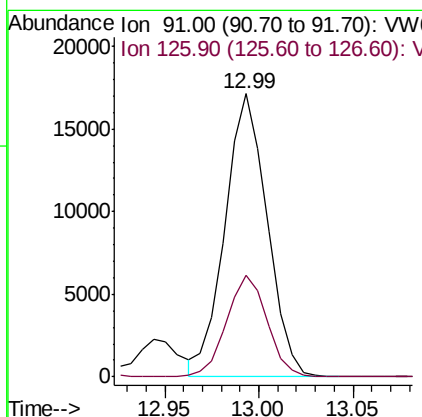
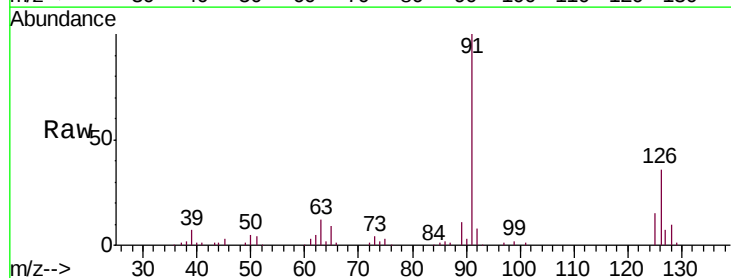
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

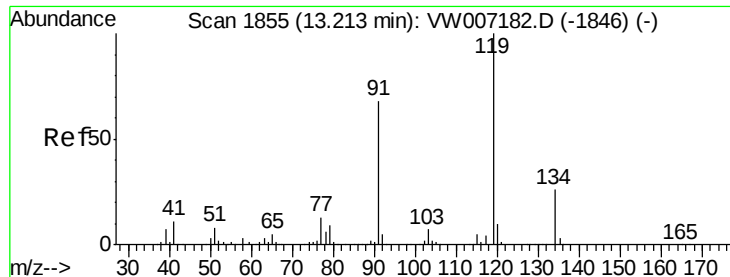
Tgt Ion: 75 Resp: 1438
Ion Ratio Lower Upper
75 100
53 102.0 72.8 109.2
89 45.1 36.4 54.6



#82
4-Chlorotoluene
Concen: 5.059 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 91 Resp: 26573
Ion Ratio Lower Upper
91 100
126 34.5 17.4 52.3

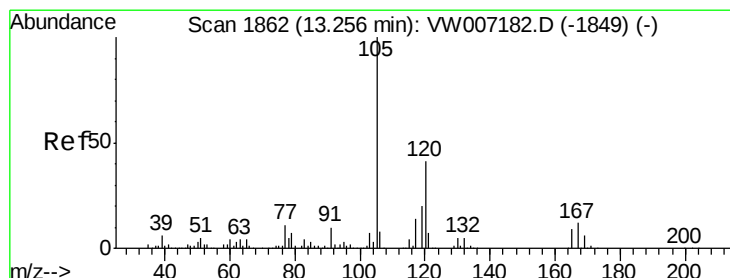
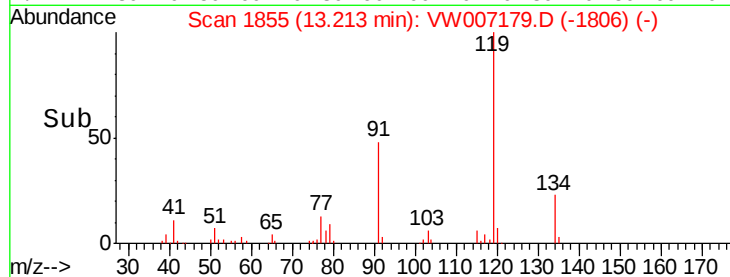
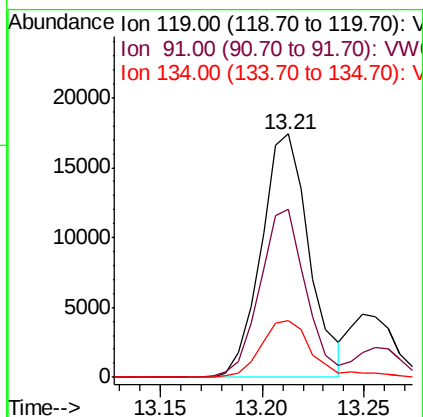
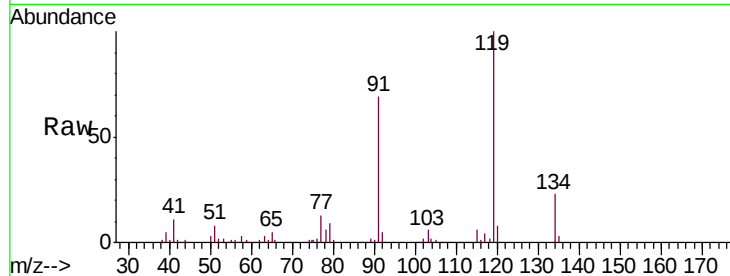




#83
 tert-Butylbenzene
 Concen: 5.206 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

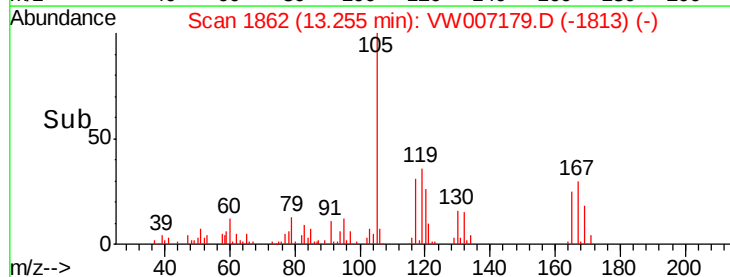
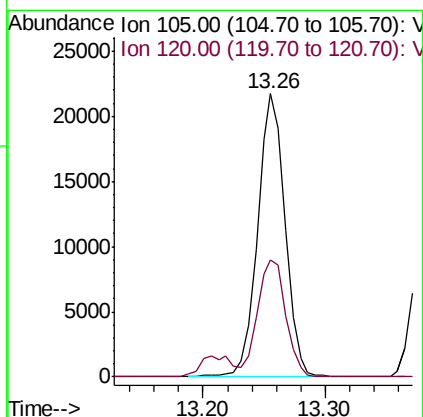
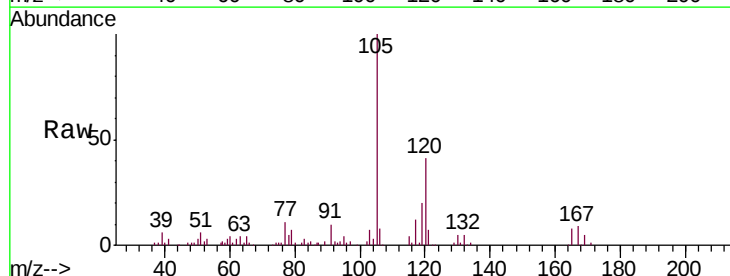
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

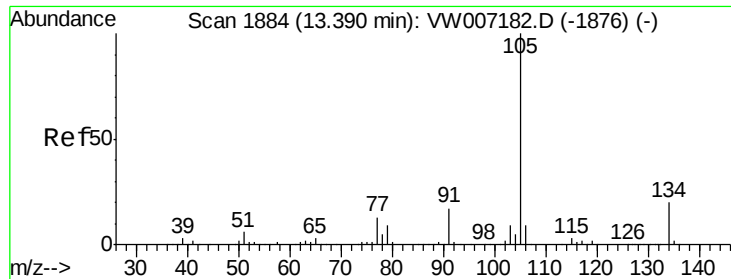
Tgt Ion:119 Resp: 28565
 Ion Ratio Lower Upper
 119 100
 91 65.9 34.0 101.8
 134 25.2 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 5.293 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Tgt Ion:105 Resp: 33924
 Ion Ratio Lower Upper
 105 100
 120 42.3 21.1 63.3

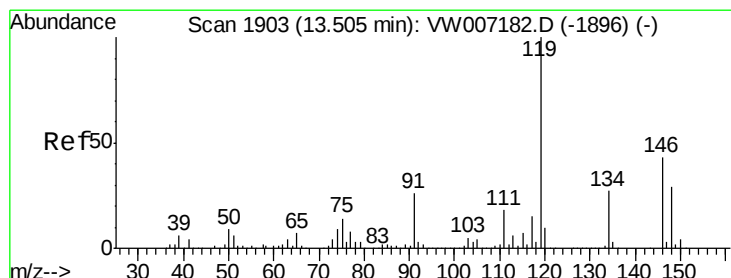
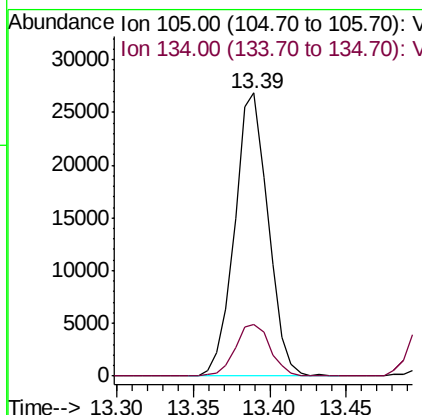
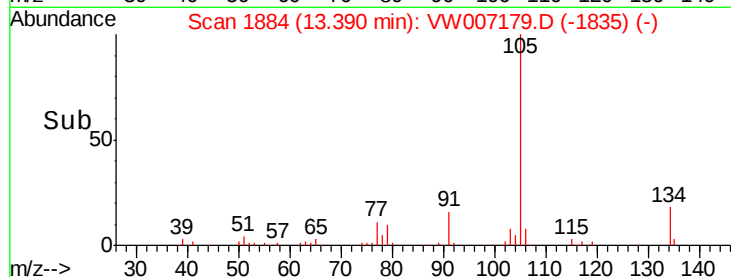
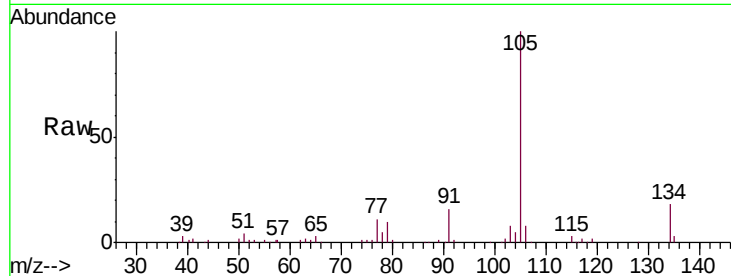




#85
 sec-Butylbenzene
 Concen: 5.188 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

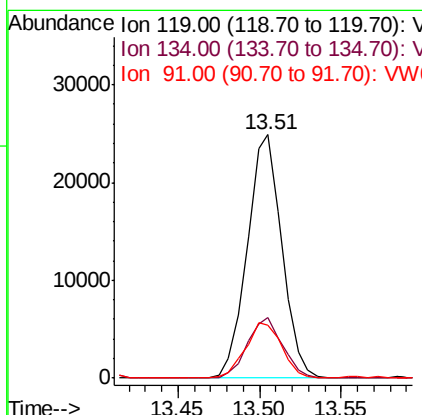
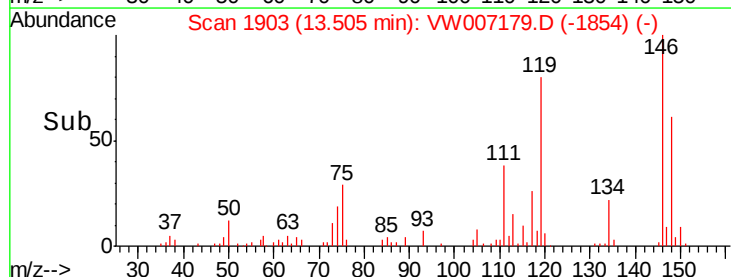
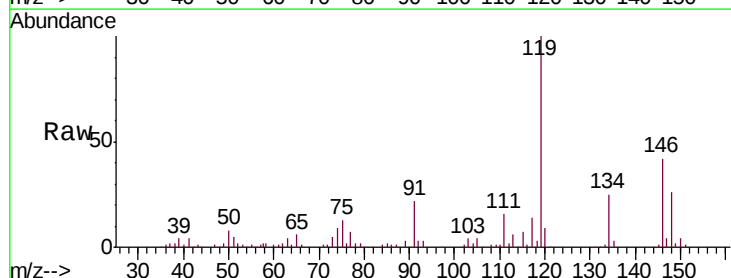
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

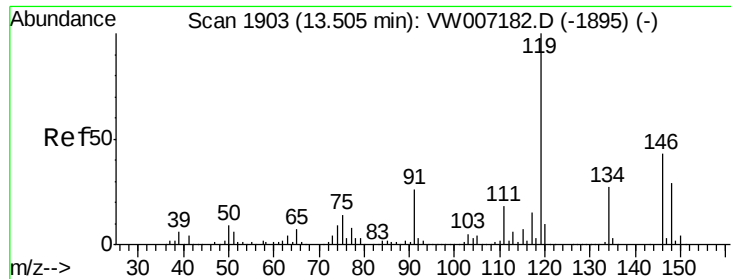
Tgt Ion:105 Resp: 40642
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 5.270 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Tgt Ion:119 Resp: 36746
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.2 39.6
 91 24.2 12.4 37.2

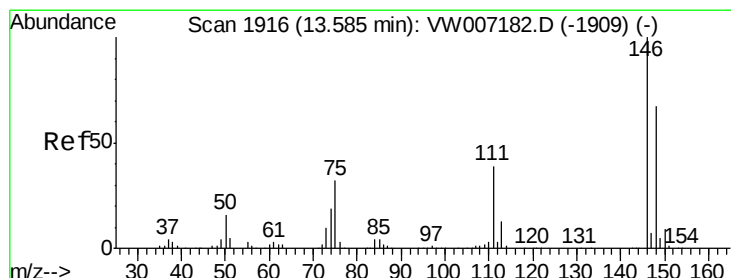
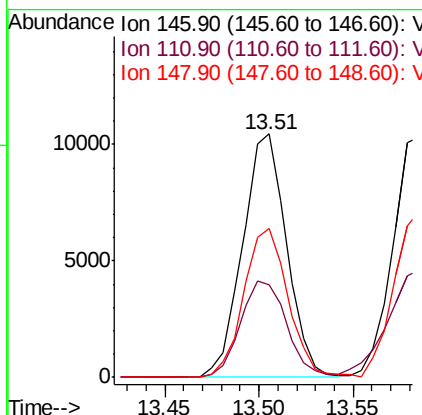
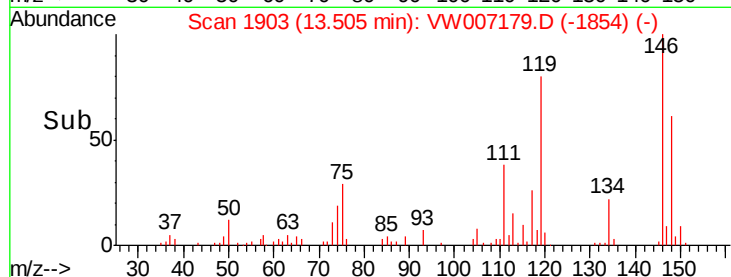
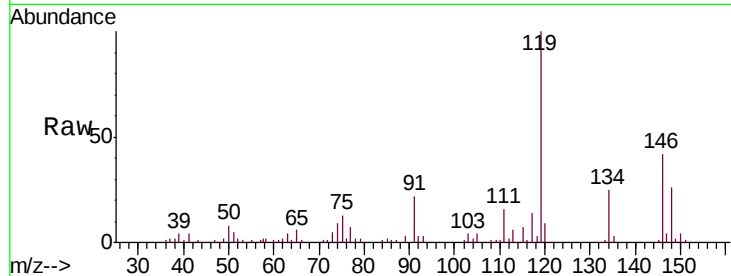




#87
 1,3-Dichlorobenzene
 Concen: 5.194 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

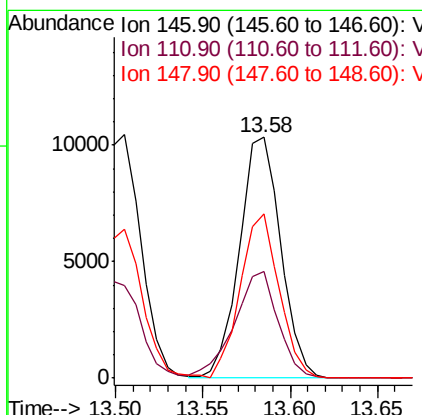
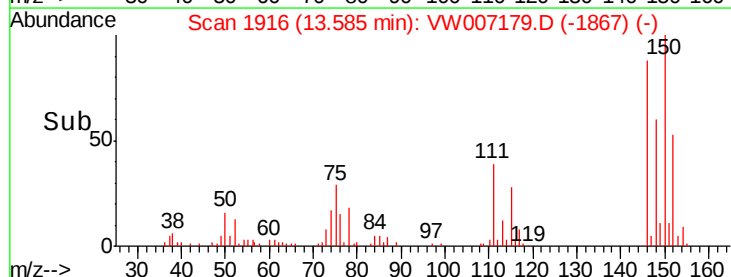
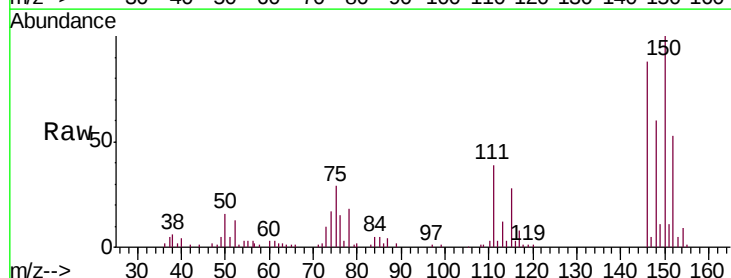
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

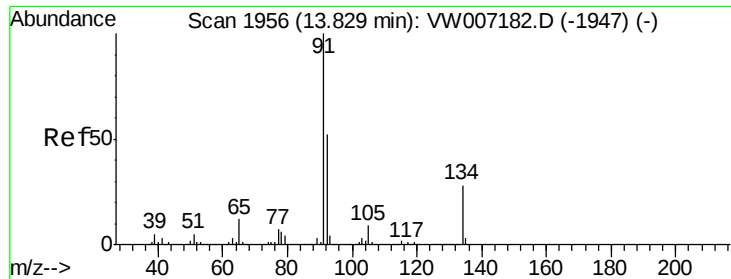
Tgt Ion:146 Resp: 16893
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.1 63.4
 148 61.6 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 5.197 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Tgt Ion:146 Resp: 17074
 Ion Ratio Lower Upper
 146 100
 111 46.6 19.6 58.8
 148 64.6 32.6 98.0

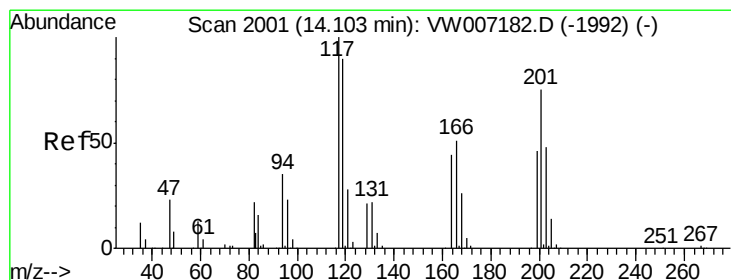
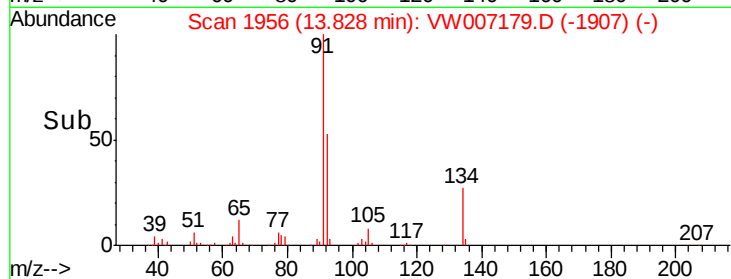
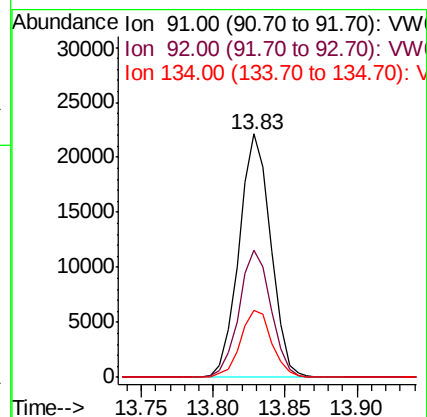
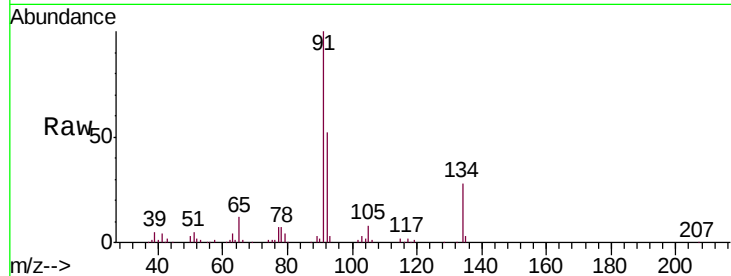




#89
n-Butylbenzene
Concen: 5.205 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

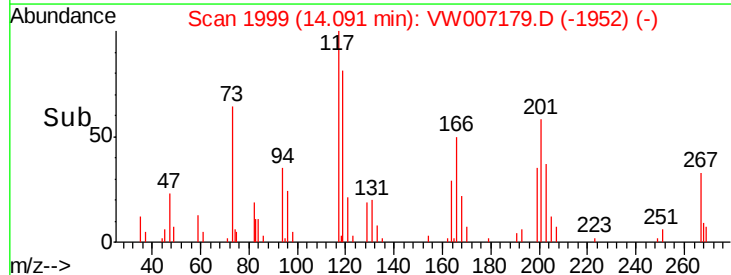
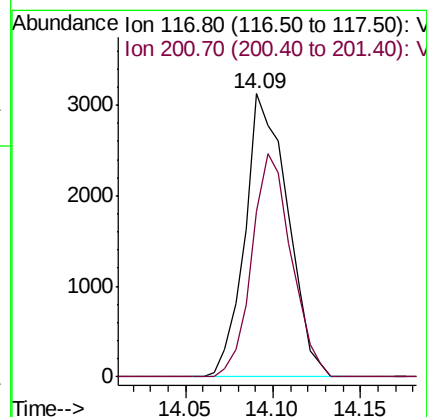
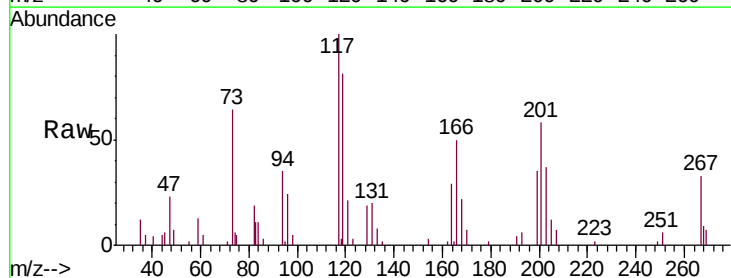
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

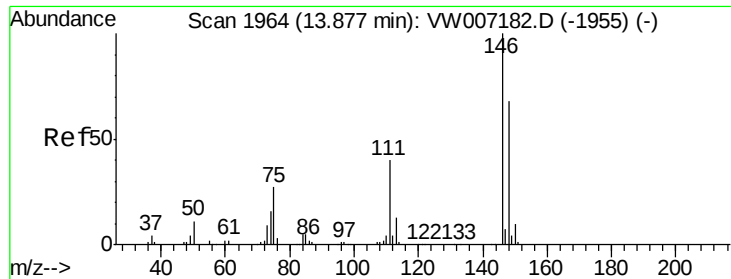
Tgt Ion: 91 Resp: 33916
Ion Ratio Lower Upper
91 100
92 52.3 26.5 79.5
134 27.2 14.1 42.2



#90
Hexachloroethane
Concen: 4.987 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion: 117 Resp: 5299
Ion Ratio Lower Upper
117 100
201 73.1 36.0 108.1

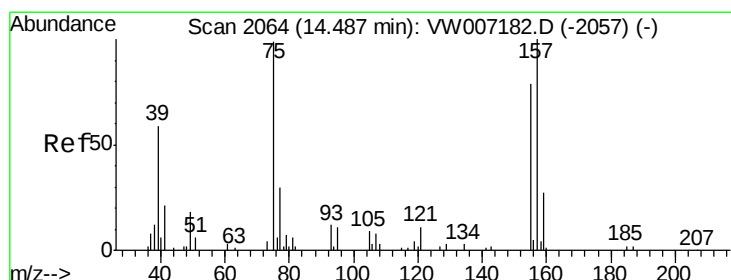
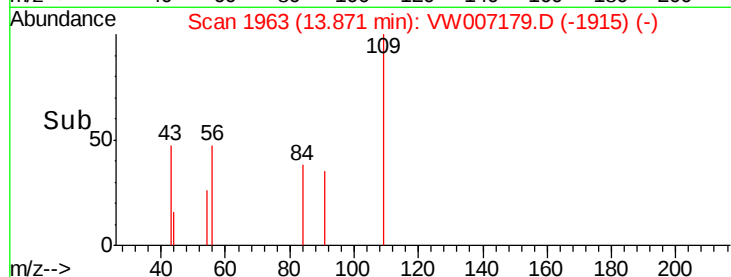
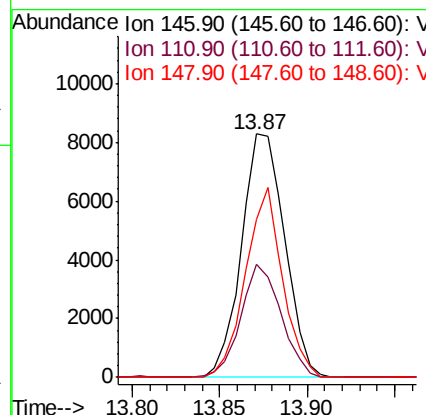
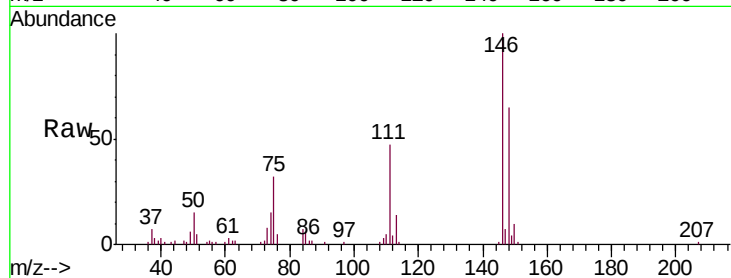




#91
 1,2-Dichlorobenzene
 Concen: 5.066 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

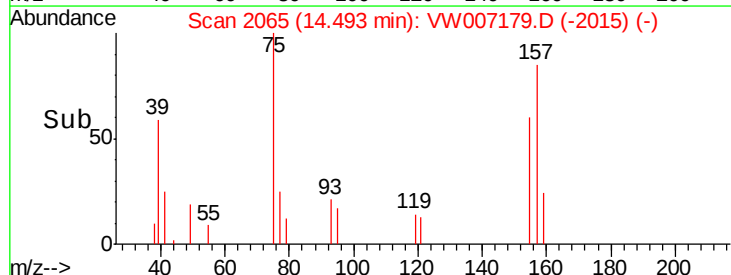
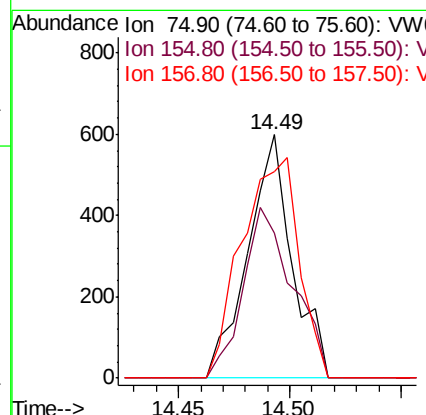
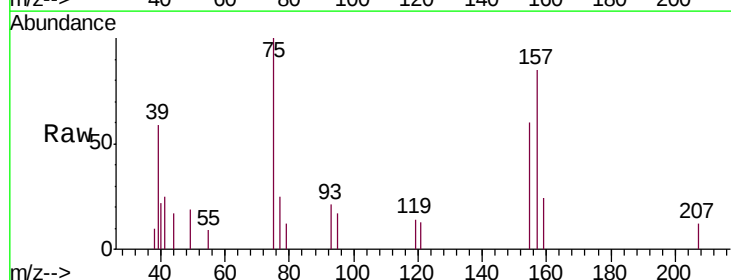
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

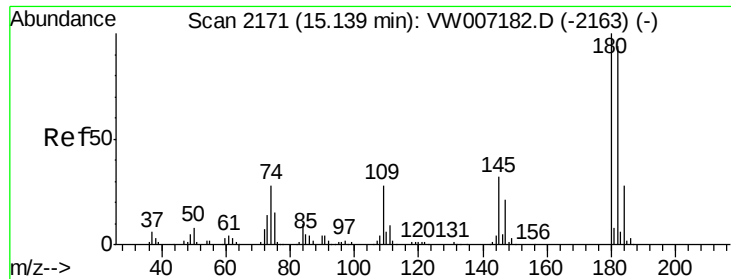
Tgt Ion:146 Resp: 14264
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.6 65.0
 148 66.5 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.500 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007179.D
 Acq: 04 Dec 2018 11:02

Tgt Ion: 75 Resp: 831
 Ion Ratio Lower Upper
 75 100
 155 78.3 42.4 127.2
 157 116.0 55.3 165.9

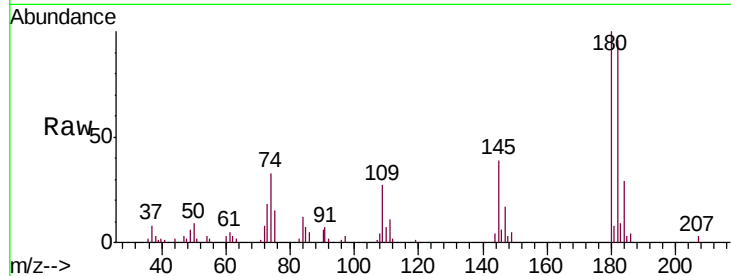




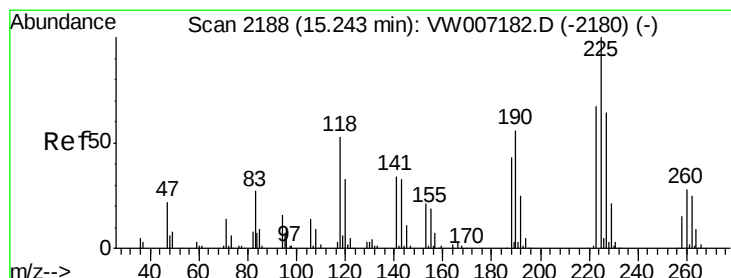
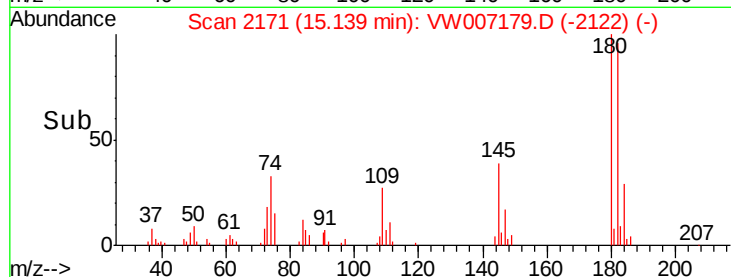
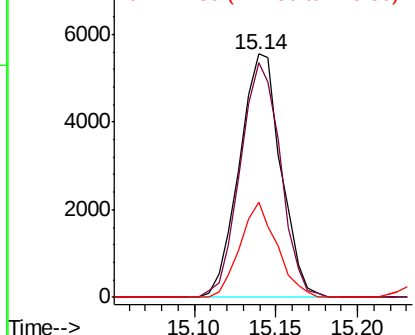
#93
1,2,4-Trichlorobenzene
Concen: 5.045 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:180 Resp: 9843
Ion Ratio Lower Upper
180 100
182 93.3 47.9 143.8
145 34.9 16.6 49.7

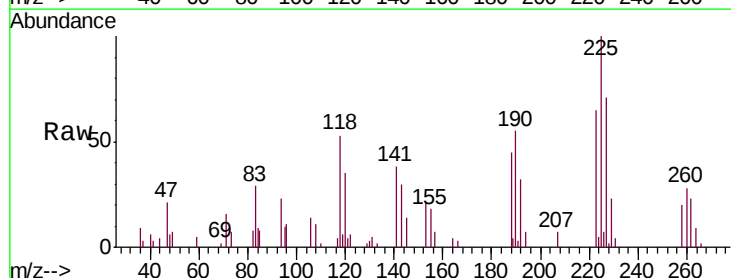


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

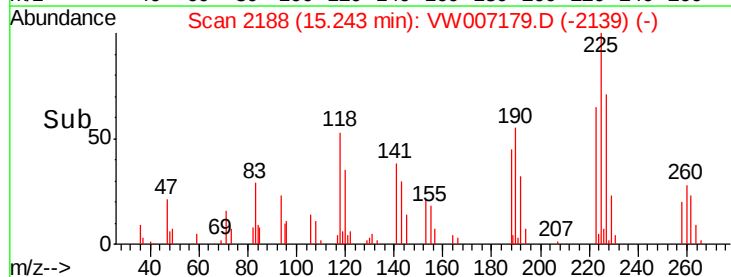
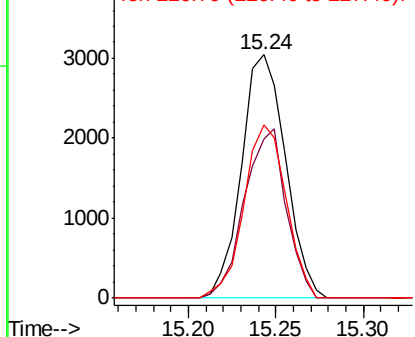


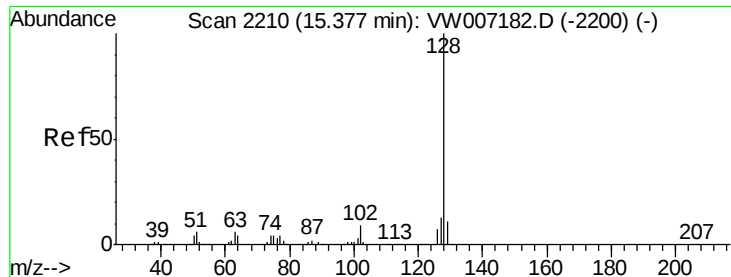
#94
Hexachlorobutadiene
Concen: 5.064 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion:225 Resp: 5328
Ion Ratio Lower Upper
225 100
223 66.0 32.3 96.8
227 68.5 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

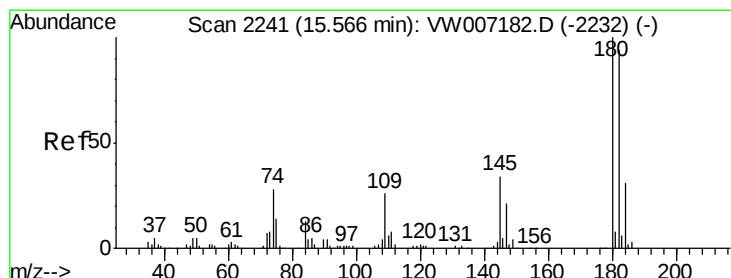
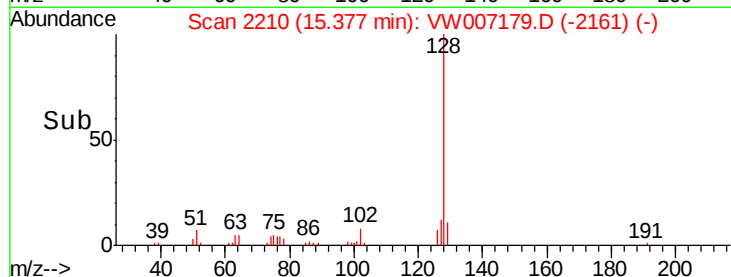
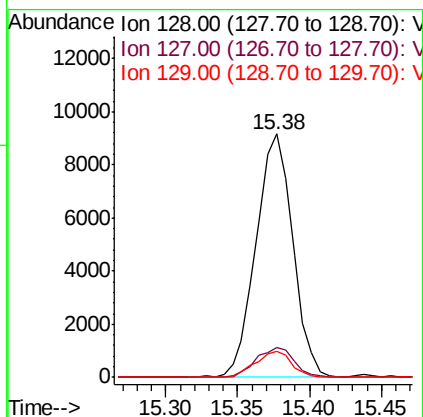
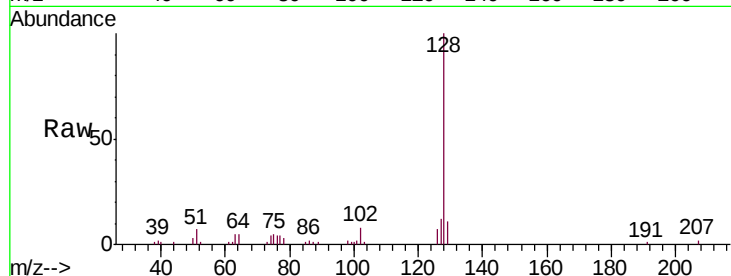




#95
Naphthalene
Concen: 4.632 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 16197
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 5.067 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007179.D
Acq: 04 Dec 2018 11:02

Tgt Ion:180 Resp: 8336
Ion Ratio Lower Upper
180 100
182 90.0 47.4 142.2
145 34.5 17.6 52.8

