

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110218\
 Data File : VW006544.D
 Acq On : 01 Nov 2018 00:21
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 01 03:07:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	289817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	418304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	390049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	219560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	49817	20.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.06%	
35) Dibromofluoromethane	7.88	113	51651	20.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.30%	
50) Toluene-d8	10.33	98	199282	20.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.76%	
62) 4-Bromofluorobenzene	12.62	95	72167	20.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34037	24.010	ug/l	99
3) Chloromethane	2.21	50	40013	21.766	ug/l	100
4) Vinyl Chloride	2.37	62	57245	21.920	ug/l	98
5) Bromomethane	2.79	94	48096	20.352	ug/l	97
6) Chloroethane	2.93	64	39978	21.431	ug/l	98
7) Trichlorofluoromethane	3.26	101	47848	19.873	ug/l	95
8) Diethyl Ether	3.68	74	25947	20.314	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53196	20.799	ug/l	99
10) Methyl Iodide	4.27	142	95687	22.241	ug/l	100
11) Tert butyl alcohol	5.23	59	13858	87.530	ug/l	98
12) 1,1-Dichloroethene	4.03	96	50265	20.811	ug/l	95
13) Acrolein	3.90	56	17238	108.347	ug/l	99
14) Allyl chloride	4.67	41	65244	19.124	ug/l	100
15) Acrylonitrile	5.38	53	45913	98.606	ug/l	99
16) Acetone	4.15	43	42135	82.404	ug/l	100
17) Carbon Disulfide	4.38	76	142813	19.798	ug/l	100
18) Methyl Acetate	4.68	43	23782	19.868	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	74904	20.452	ug/l	100
20) Methylene Chloride	4.91	84	66563	23.427	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	57034	21.135	ug/l	98
22) Diisopropyl ether	6.32	45	137376	20.223	ug/l	98
23) Vinyl Acetate	6.26	43	373468	93.760	ug/l	99
24) 1,1-Dichloroethane	6.22	63	92850	21.088	ug/l	99
25) 2-Butanone	7.18	43	59320	92.403	ug/l	100
26) 2,2-Dichloropropane	7.17	77	55497	18.217	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	63369	21.213	ug/l	99
28) Bromochloromethane	7.51	49	34933	20.602	ug/l	100
29) Tetrahydrofuran	7.54	42	36658	92.746	ug/l	99
30) Chloroform	7.68	83	102428	21.264	ug/l	99
31) Cyclohexane	7.96	56	84001	19.389	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	86618	20.162	ug/l	99
36) 1,1-Dichloropropene	8.09	75	78555	20.524	ug/l	99
37) Ethyl Acetate	7.26	43	25540	18.048	ug/l	99
38) Carbon Tetrachloride	8.07	117	82117	19.707	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99745	19.705	ug/l	98
40) Benzene	8.32	78	223096	21.082	ug/l	99
41) Methacrylonitrile	7.49	41	16301	19.248	ug/l	97
42) 1,2-Dichloroethane	8.40	62	63470	20.548	ug/l	99
43) Isopropyl Acetate	8.43	43	51590	17.945	ug/l	100
44) Trichloroethene	9.09	130	67684	20.837	ug/l	95
45) 1,2-Dichloropropane	9.37	63	52349	20.755	ug/l	99
46) Dibromomethane	9.46	93	30434	21.110	ug/l	99
47) Bromodichloromethane	9.65	83	69403	19.924	ug/l	97
48) Methyl methacrylate	9.44	41	25068	18.344	ug/l	98
49) 1,4-Dioxane	9.49	88	8665	393.072	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	133458	92.201	ug/l	99
52) Toluene	10.39	92	149183	21.033	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	66056	19.111	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	79776	20.063	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42437	20.987	ug/l	97
56) Ethyl methacrylate	10.65	69	46879	19.040	ug/l	96
57) 1,3-Dichloropropane	10.94	76	68383	20.490	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	113129	115.650	ug/l	100
59) 2-Hexanone	10.98	43	91803	89.205	ug/l	97
60) Dibromochloromethane	11.13	129	49457	19.727	ug/l	99
61) 1,2-Dibromoethane	11.24	107	42396	20.996	ug/l	98
64) Tetrachloroethene	10.87	164	65919	21.603	ug/l	98
65) Chlorobenzene	11.66	112	175003	20.933	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	60740	20.506	ug/l	99
67) Ethyl Benzene	11.74	91	292977	20.335	ug/l	99
68) m/p-Xylenes	11.84	106	234452	41.087	ug/l	100
69) o-Xylene	12.17	106	110359	20.285	ug/l	99
70) Styrene	12.18	104	180641	20.397	ug/l	100
71) Bromoform	12.35	173	30222	18.441	ug/l #	99
73) Isopropylbenzene	12.47	105	303665	19.723	ug/l	100
74) N-amyl acetate	12.28	43	49709	16.915	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	47247	20.171	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	58824	34.622	ug/l #	100
77) Bromobenzene	12.75	156	79135	20.854	ug/l	99
78) n-propylbenzene	12.81	91	354999	19.878	ug/l	100
79) 2-Chlorotoluene	12.90	91	203544	20.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	261235	20.156	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11742	17.070	ug/l	97
82) 4-Chlorotoluene	12.99	91	213835	20.248	ug/l	100
83) tert-Butylbenzene	13.21	119	230643	19.880	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	268193	20.388	ug/l	99
85) sec-Butylbenzene	13.39	105	325325	19.907	ug/l	100
86) p-Isopropyltoluene	13.51	119	293362	19.829	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	156490	20.725	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	156231	20.795	ug/l	99
89) n-Butylbenzene	13.83	91	263807	19.552	ug/l	100
90) Hexachloroethane	14.10	117	46745	18.747	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	140873	20.910	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7389	17.884	ug/l	95

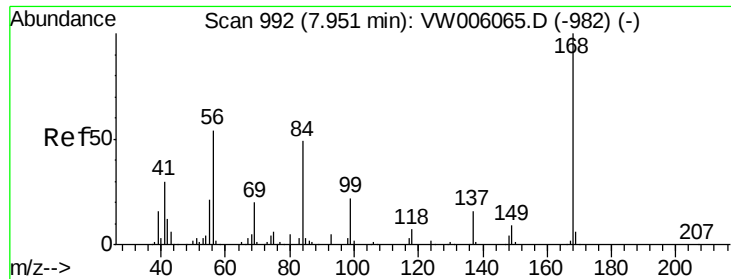
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110218\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	104635	20.170	ug/l	99
94) Hexachlorobutadiene	15.24	225	66036	20.394	ug/l	100
95) Naphthalene	15.38	128	163665	19.040	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	92615	20.611	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

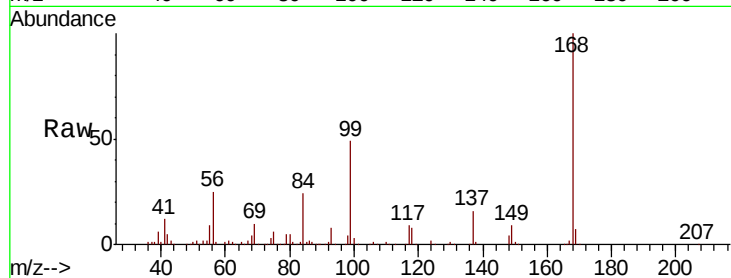
VSTDIC020

Tgt Ion:168 Resp: 289817

Ion Ratio Lower Upper

168 100

99 48.7 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

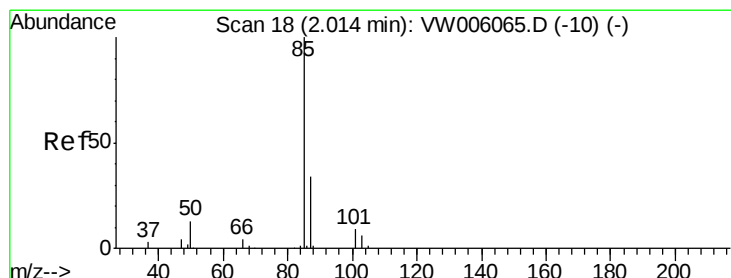
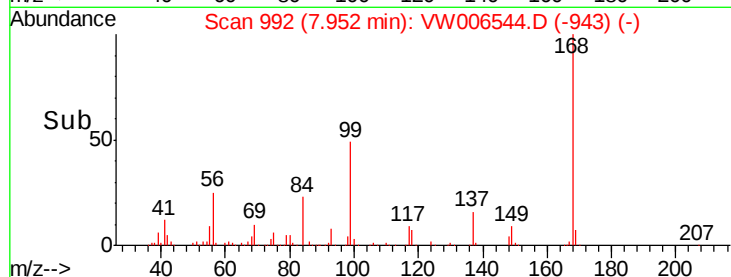
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.010 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW006544.D

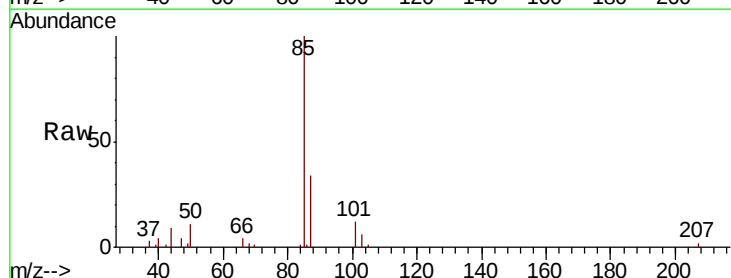
Acq: 01 Nov 2018 00:21

Tgt Ion: 85 Resp: 34037

Ion Ratio Lower Upper

85 100

87 34.0 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

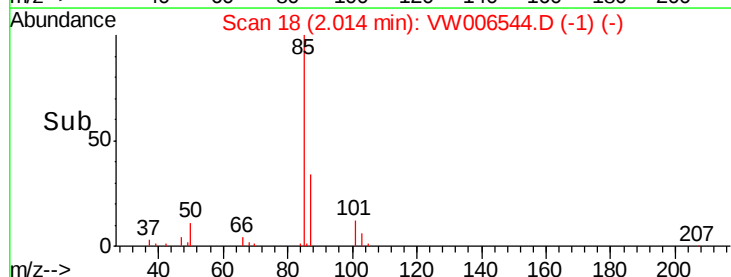
4000

2000

0

1.90 2.00 2.10 2.20

Time-->

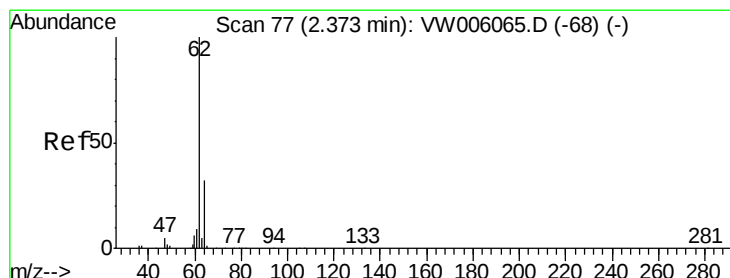
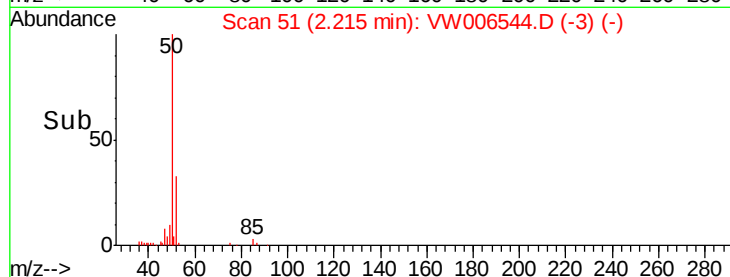
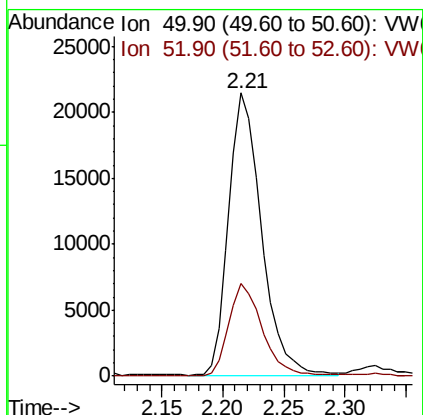
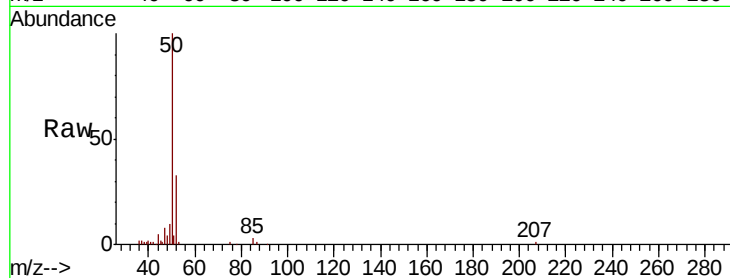




#3
Chloromethane
Concen: 21.766 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

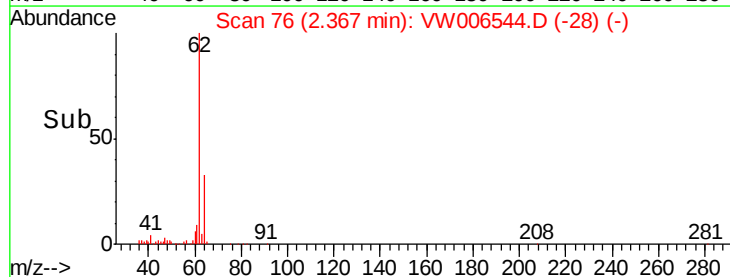
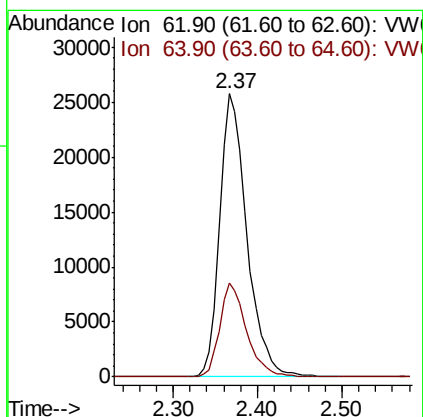
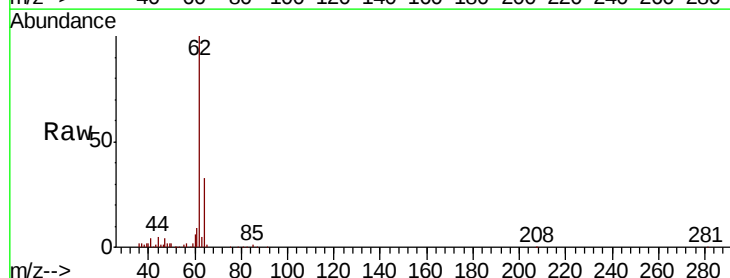
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

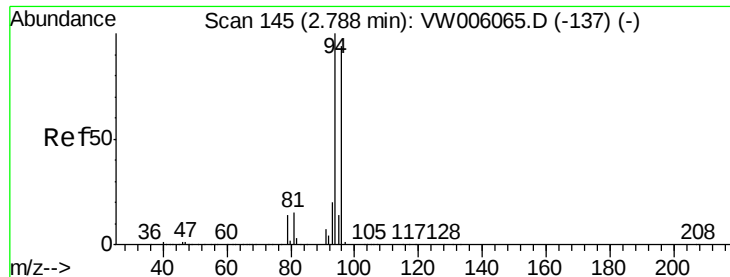
Tgt Ion: 50 Resp: 40013
Ion Ratio Lower Upper
50 100
52 32.8 26.2 39.4



#4
Vinyl Chloride
Concen: 21.920 ug/l
RT: 2.37 min Scan# 76
Delta R.T. -0.01 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion: 62 Resp: 57245
Ion Ratio Lower Upper
62 100
64 33.0 25.4 38.0





#5

Bromomethane

Concen: 20.352 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

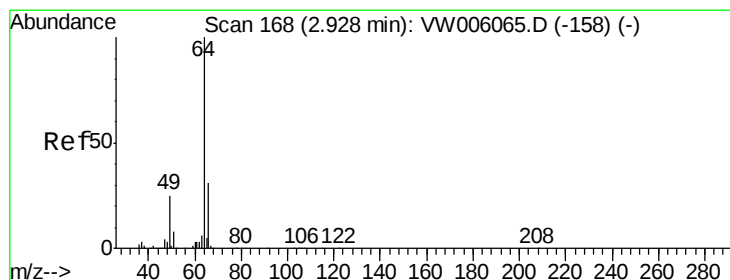
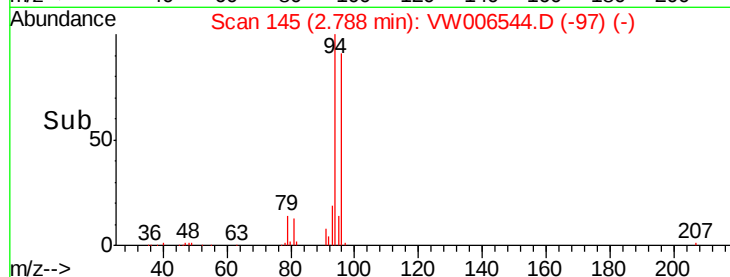
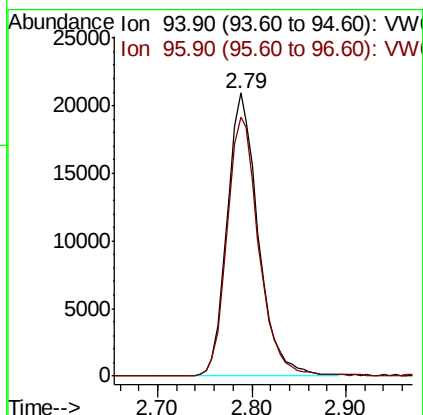
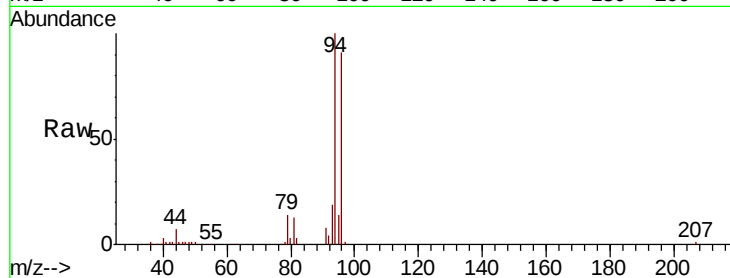
VSTDIC020

Tgt Ion: 94 Resp: 48096

Ion Ratio Lower Upper

94 100

96 91.4 75.7 113.5



#6

Chloroethane

Concen: 21.431 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006544.D

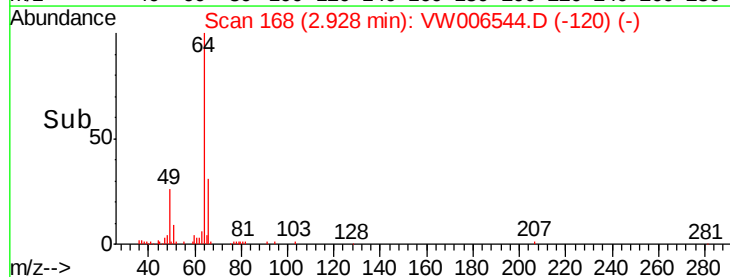
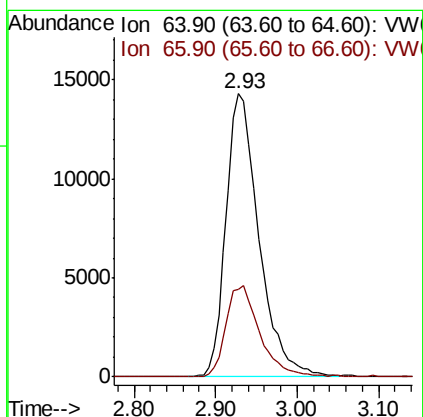
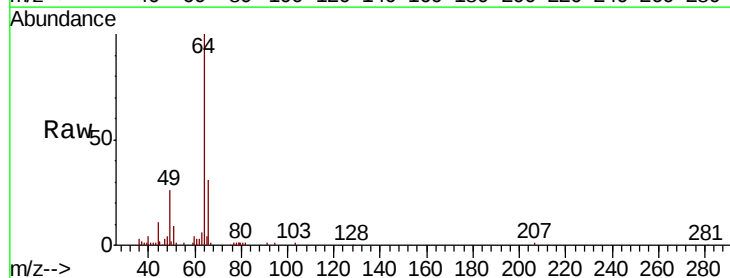
Acq: 01 Nov 2018 00:21

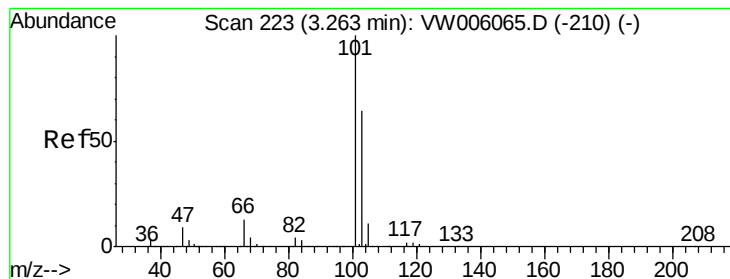
Tgt Ion: 64 Resp: 39978

Ion Ratio Lower Upper

64 100

66 31.1 25.9 38.9



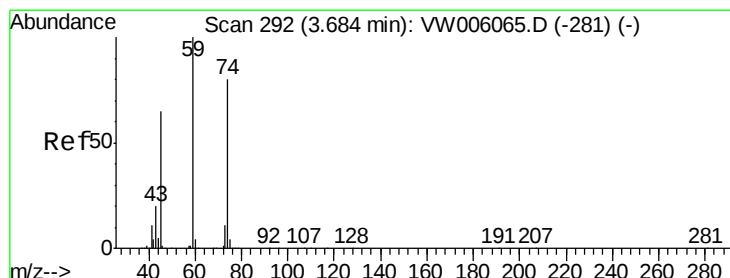
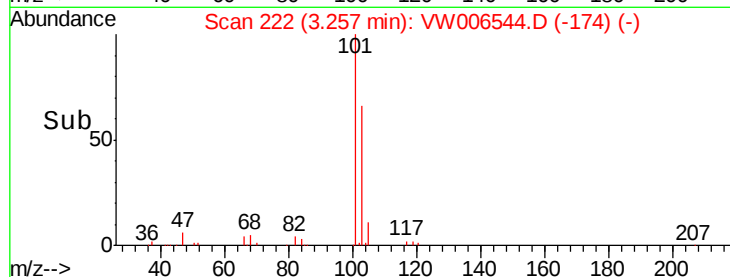
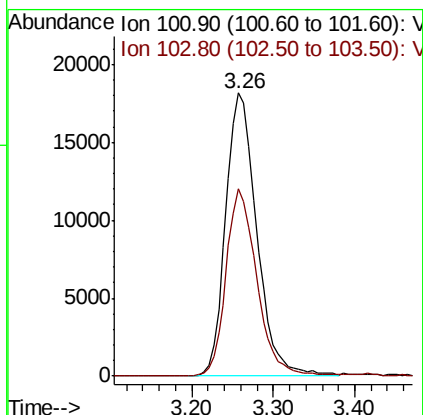
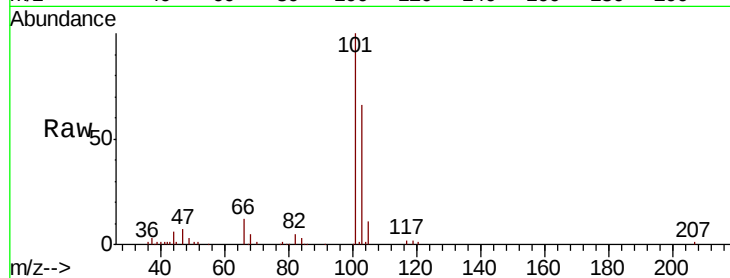


#7

Trichlorofluoromethane
Concen: 19.873 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006544.D
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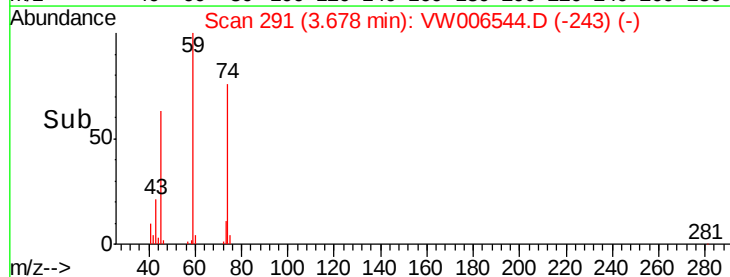
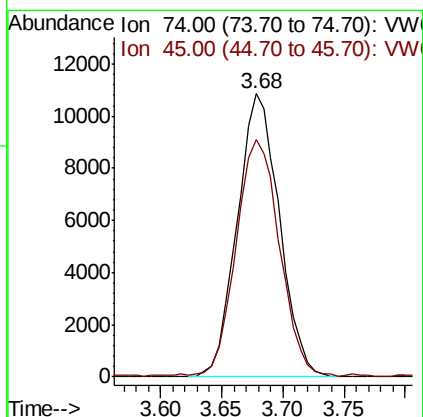
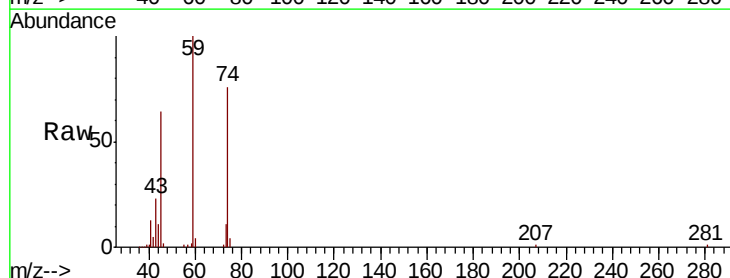
Tgt Ion:101 Resp: 47848
Ion Ratio Lower Upper
101 100
103 66.4 49.8 74.8

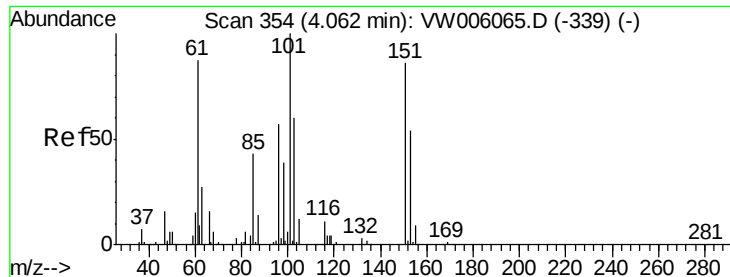


#8

Diethyl Ether
Concen: 20.314 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion: 74 Resp: 25947
Ion Ratio Lower Upper
74 100
45 87.0 41.1 123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.799 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

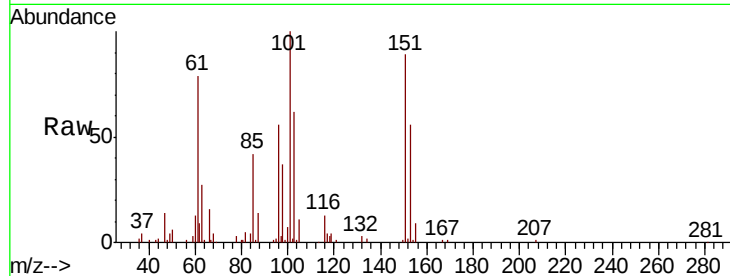
Tgt Ion:101 Resp: 53196

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

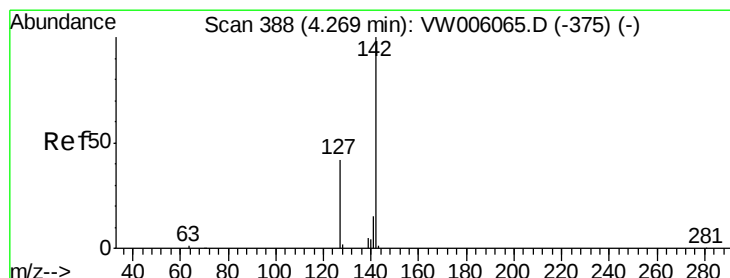
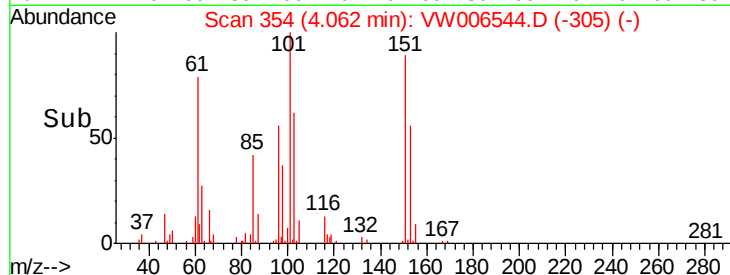
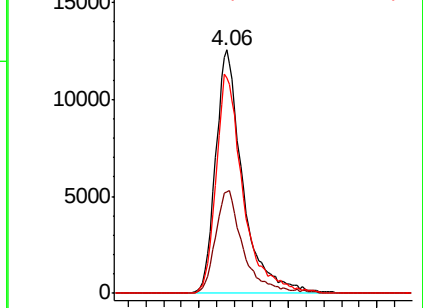
151 89.8 70.7 106.1



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: 22.241 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006544.D

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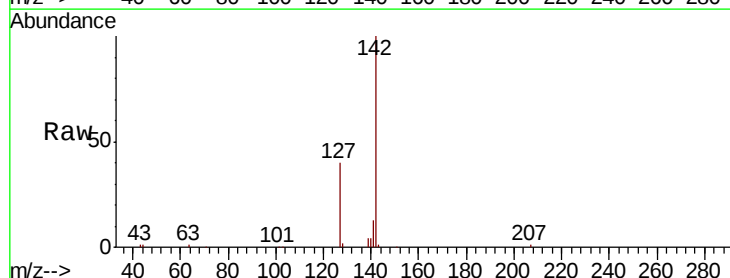
Tgt Ion:142 Resp: 95687

Ion Ratio Lower Upper

142 100

127 40.2 32.3 48.5

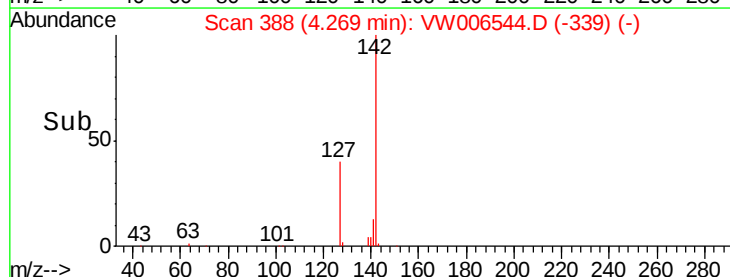
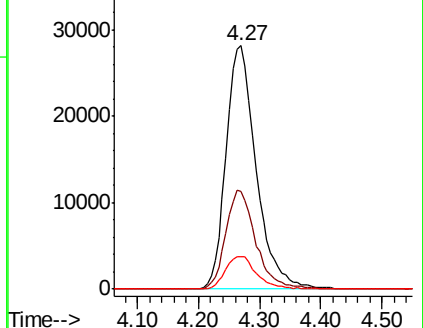
141 13.7 11.3 16.9

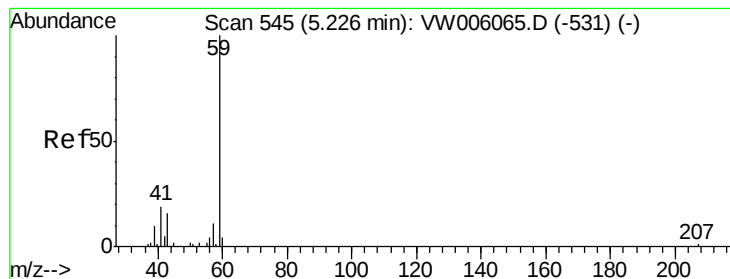


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 87.530 ug/l

RT: 5.23 min Scan# 545

Delta R.T. -0.02 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

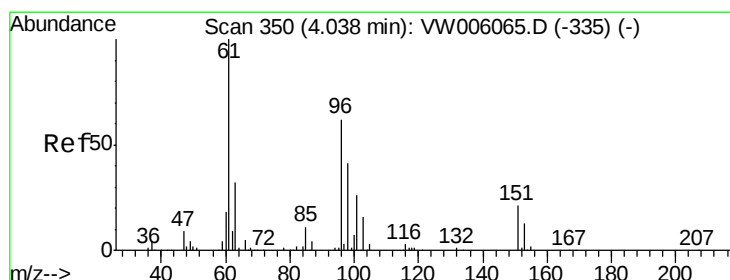
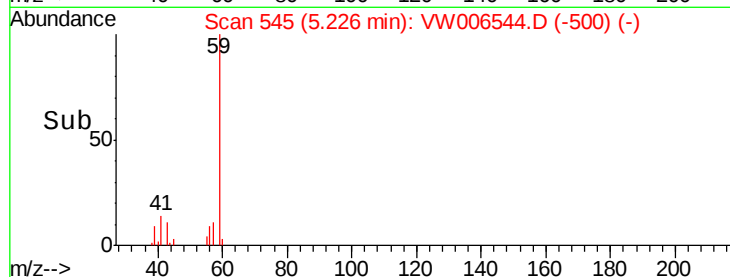
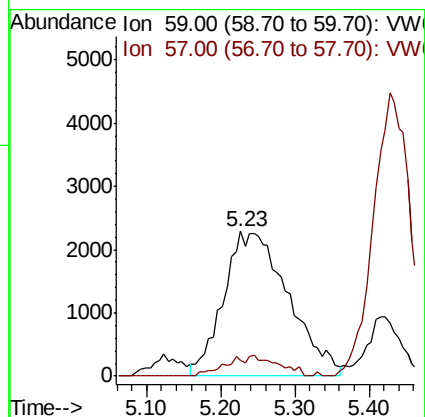
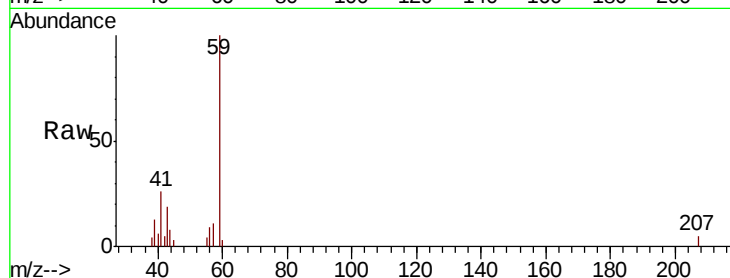
VSTDIC020

Tgt Ion: 59 Resp: 13858

Ion Ratio Lower Upper

59 100

57 4.6 4.3 6.5



#12

1,1-Dichloroethene

Concen: 20.811 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

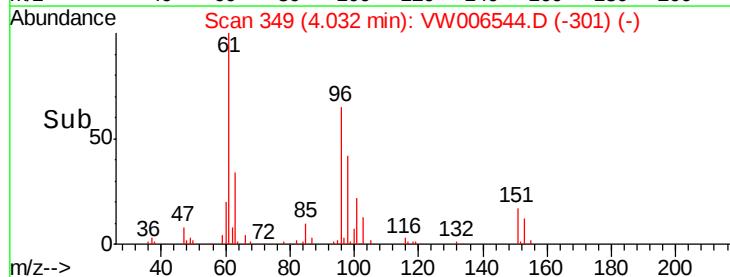
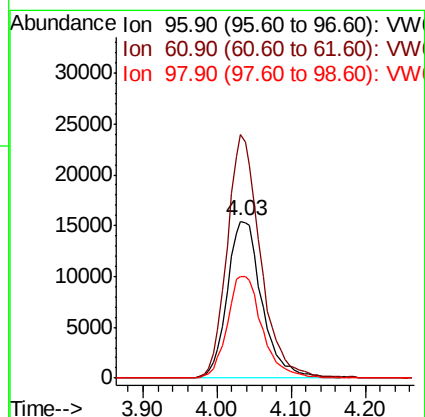
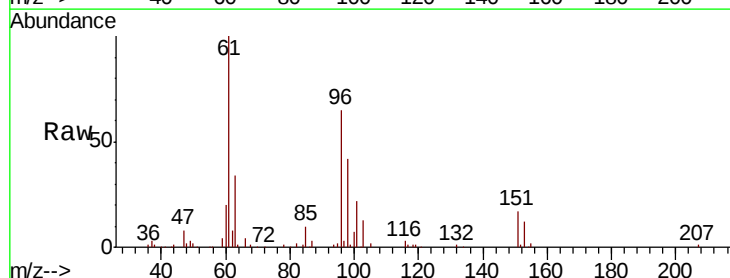
Tgt Ion: 96 Resp: 50265

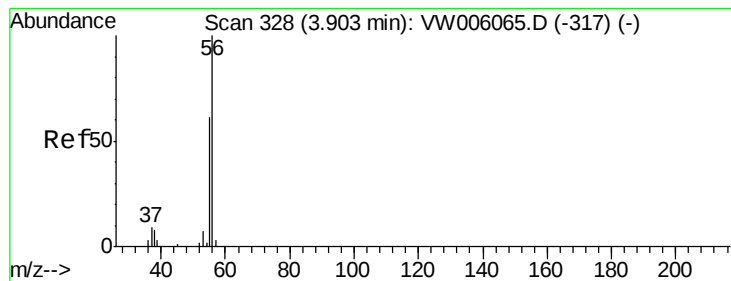
Ion Ratio Lower Upper

96 100

61 155.0 117.0 175.4

98 64.9 52.5 78.7





#13

Acrolein

Concen: 108.347 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

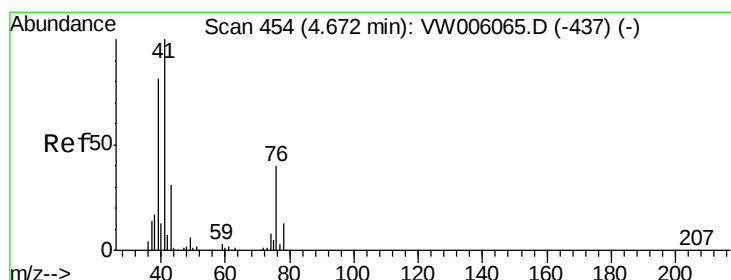
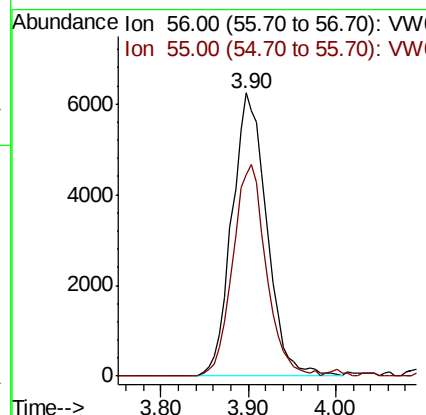
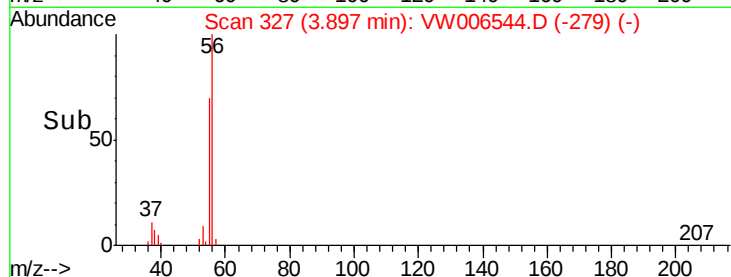
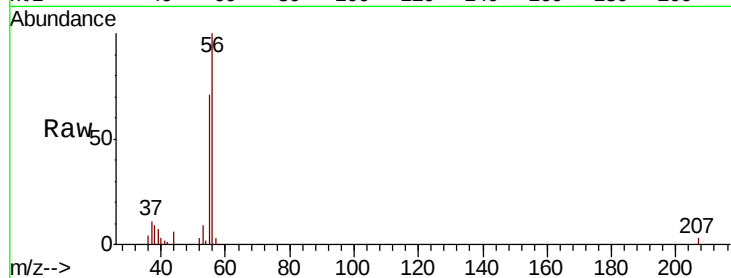
VSTDIC020

Tgt Ion: 56 Resp: 17238

Ion Ratio Lower Upper

56 100

55 72.3 56.9 85.3



#14

Allyl chloride

Concen: 19.124 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

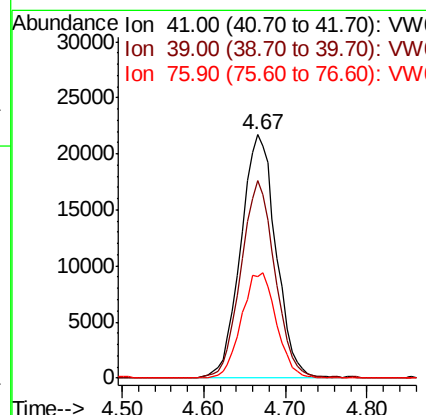
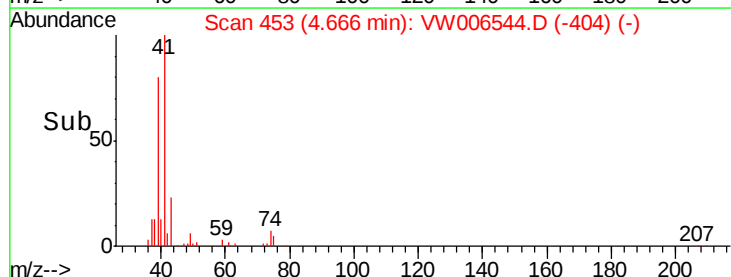
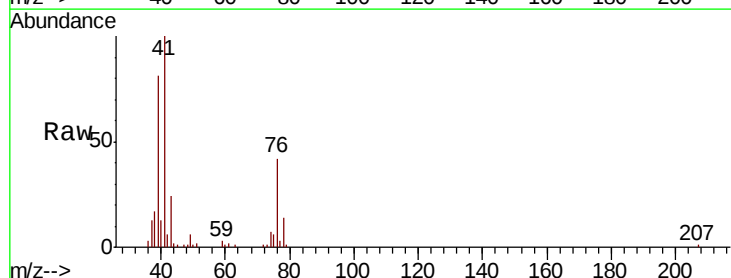
Tgt Ion: 41 Resp: 65244

Ion Ratio Lower Upper

41 100

39 78.0 62.1 93.1

76 42.5 34.2 51.2





#15

Acrylonitrile

Concen: 98.606 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

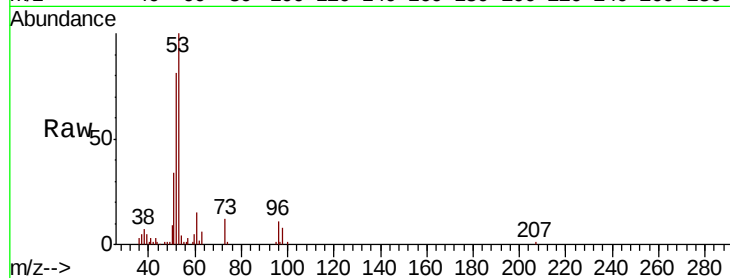
Tgt Ion: 53 Resp: 45913

Ion Ratio Lower Upper

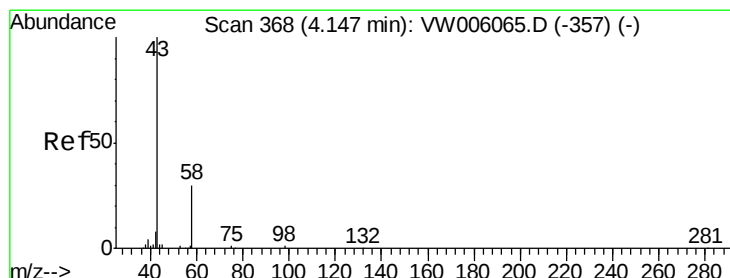
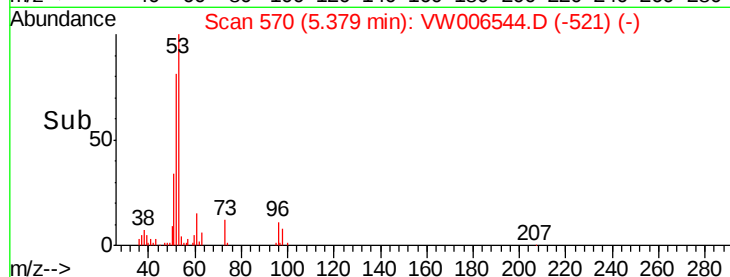
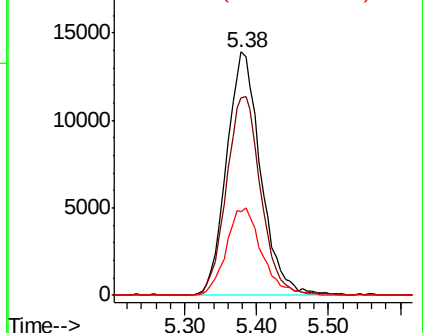
53 100

52 81.9 65.8 98.8

51 37.4 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 82.404 ug/l

RT: 4.15 min Scan# 368

Delta R.T. -0.01 min

Lab File: VW006544.D

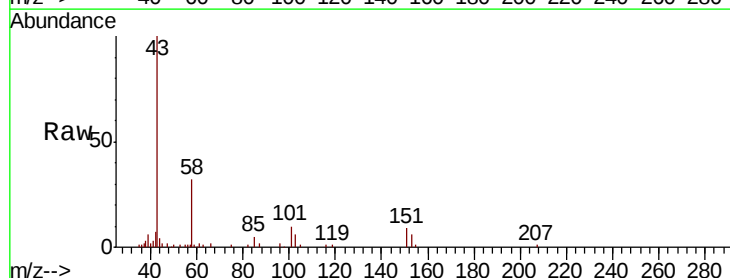
Acq: 01 Nov 2018 00:21

Tgt Ion: 43 Resp: 42135

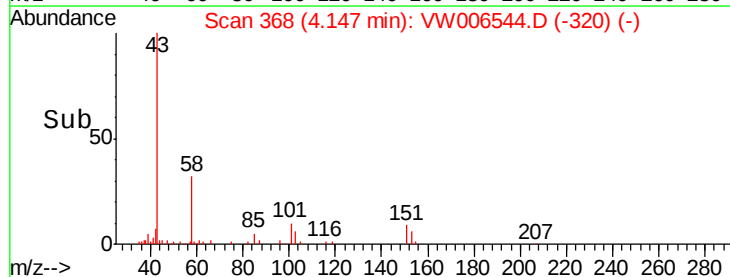
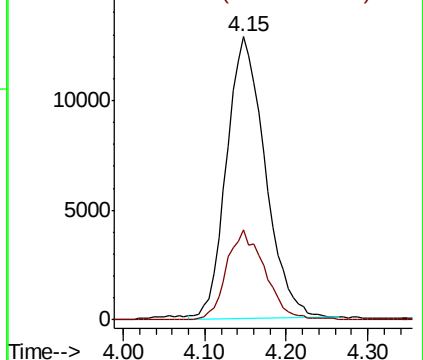
Ion Ratio Lower Upper

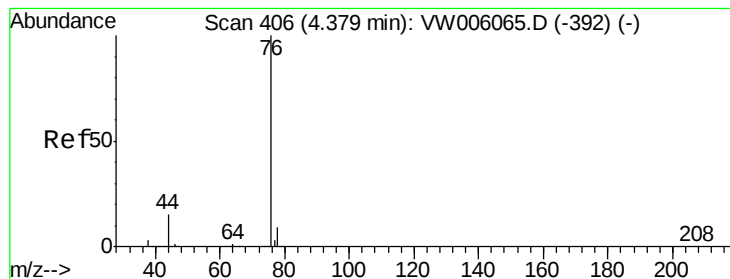
43 100

58 32.3 25.8 38.8



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





#17

Carbon Disulfide

Concen: 19.798 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

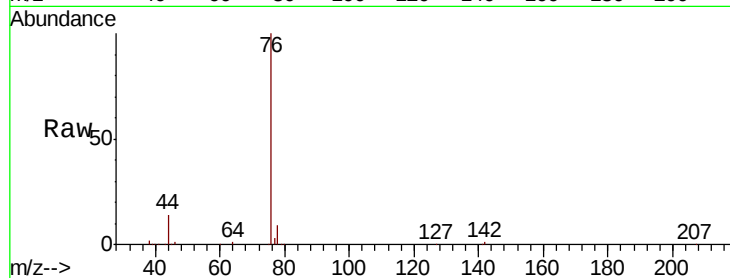
VSTDIC020

Tgt Ion: 76 Resp: 142813

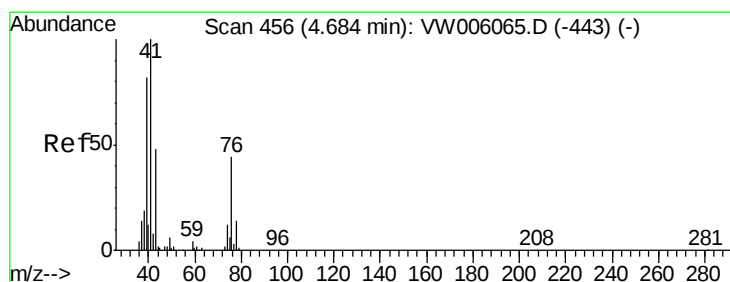
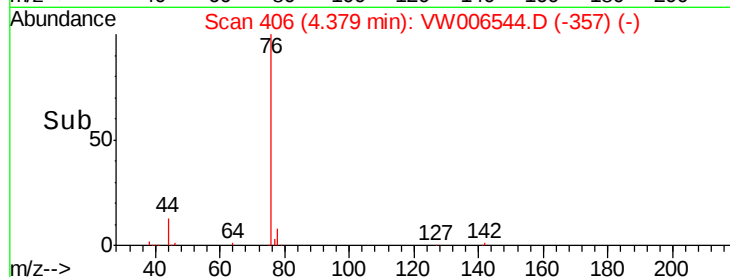
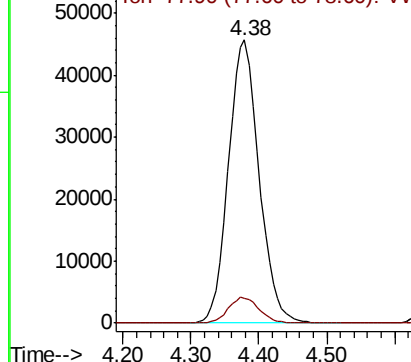
Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.868 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW006544.D

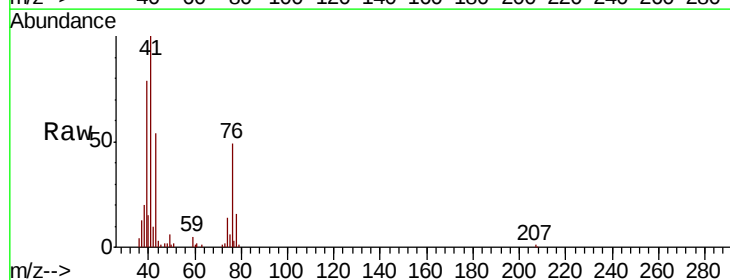
Acq: 01 Nov 2018 00:21

Tgt Ion: 43 Resp: 23782

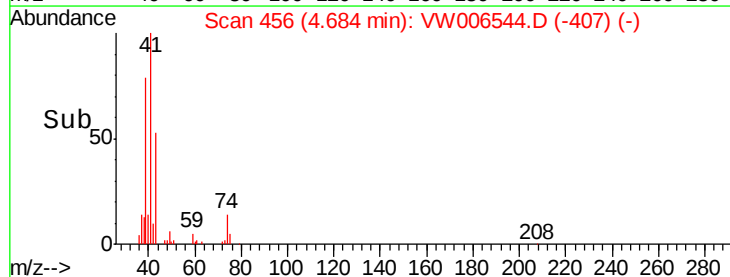
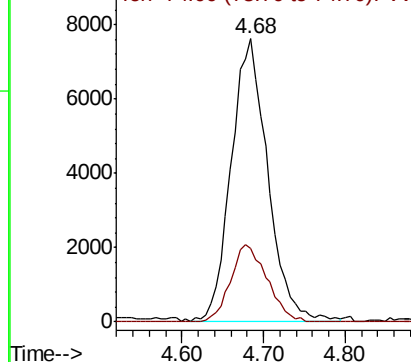
Ion Ratio Lower Upper

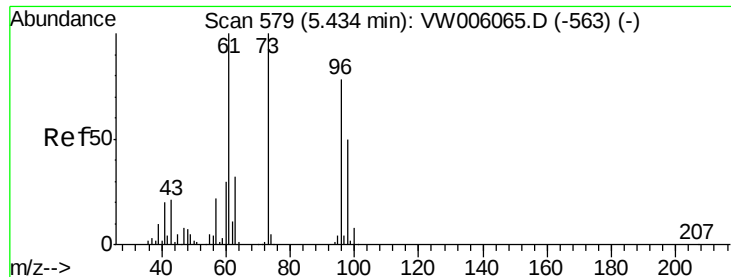
43 100

74 27.1 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

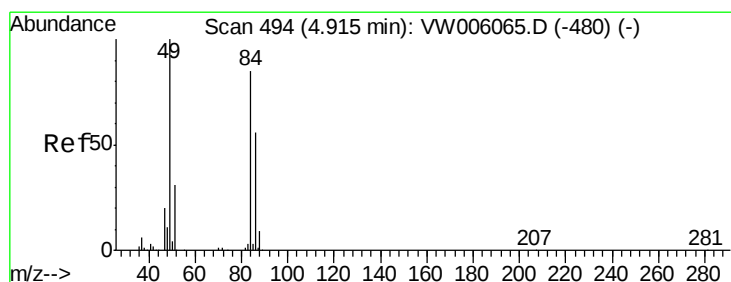
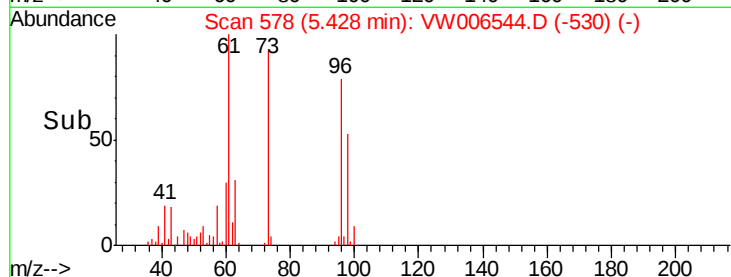
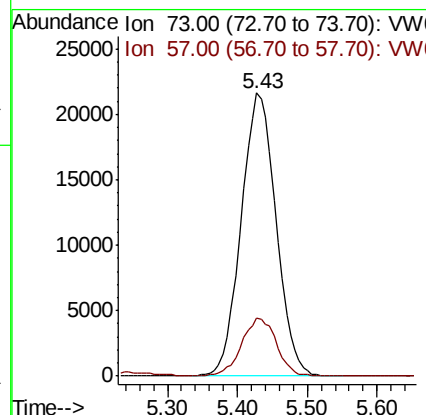
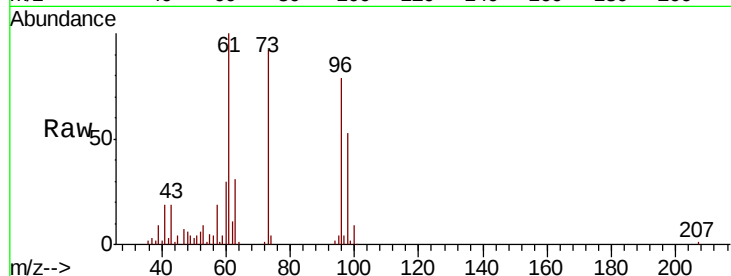




#19
Methyl tert-butyl Ether
Concen: 20.452 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

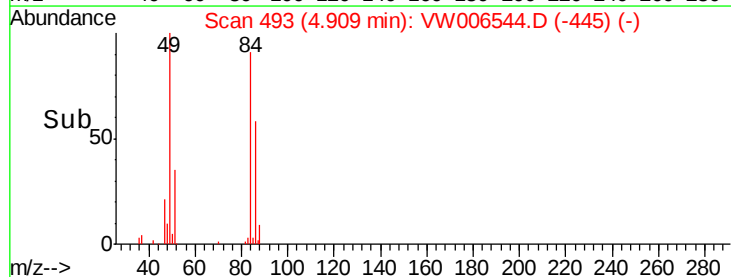
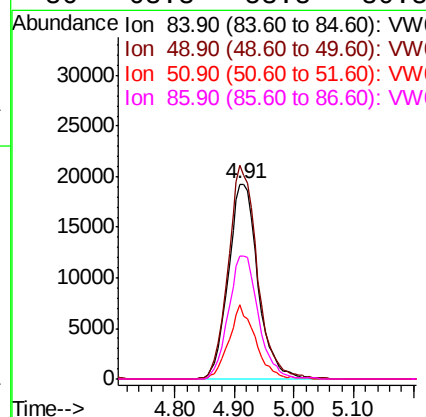
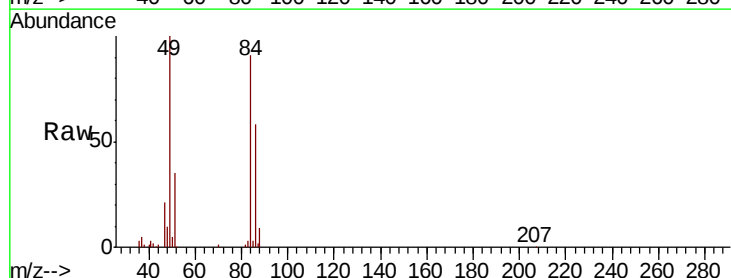
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

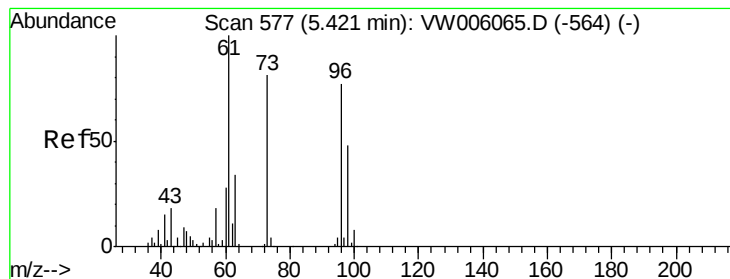
Tgt Ion: 73 Resp: 74904
Ion Ratio Lower Upper
73 100
57 20.7 16.7 25.1



#20
Methylene Chloride
Concen: 23.427 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion: 84 Resp: 66563
Ion Ratio Lower Upper
84 100
49 109.7 88.2 132.4
51 38.0 27.0 40.6
86 63.3 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 21.135 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

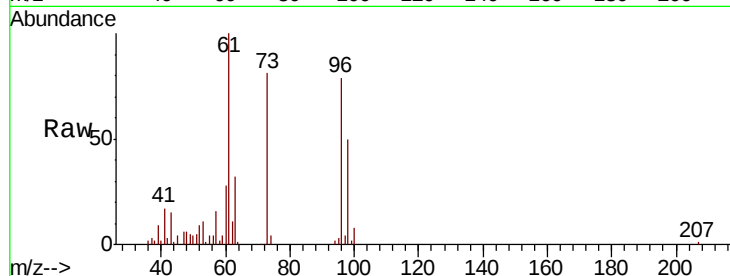
Tgt Ion: 96 Resp: 57034

Ion Ratio Lower Upper

96 100

61 126.0 100.6 150.8

98 62.7 52.9 79.3

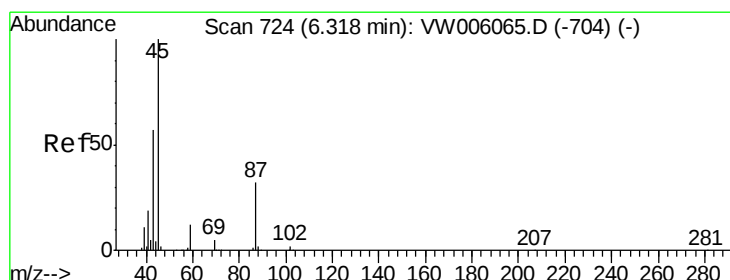
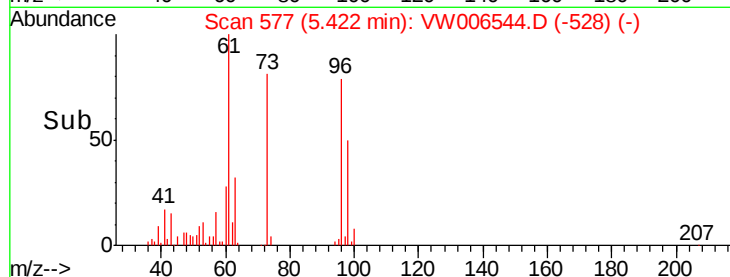
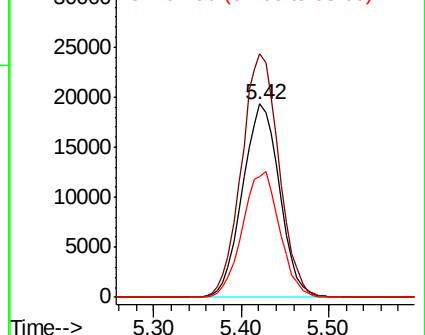


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.223 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Tgt Ion: 45 Resp: 137376

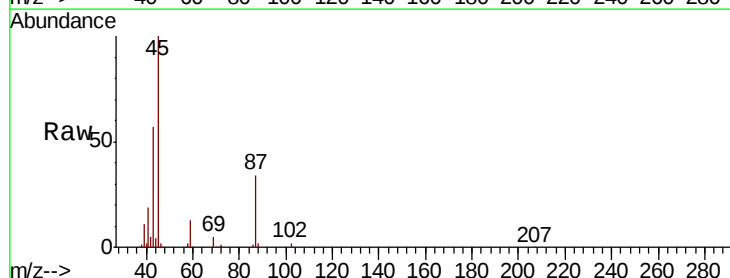
Ion Ratio Lower Upper

45 100

43 56.7 43.6 65.4

87 33.9 26.3 39.5

59 13.1 9.8 14.8



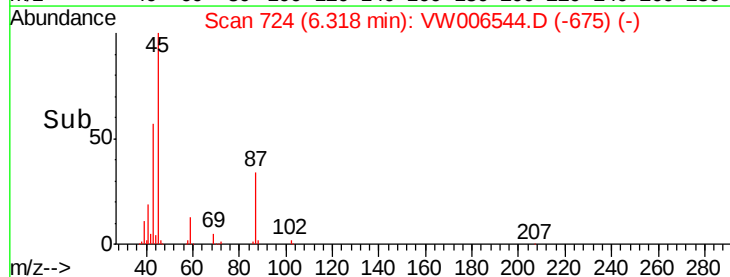
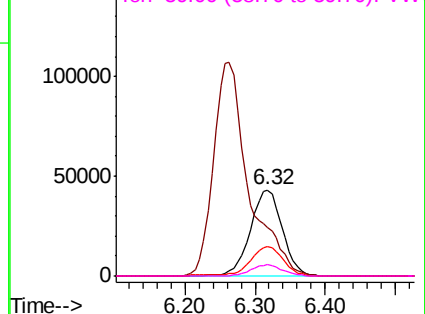
Abundance

Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 93.760 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

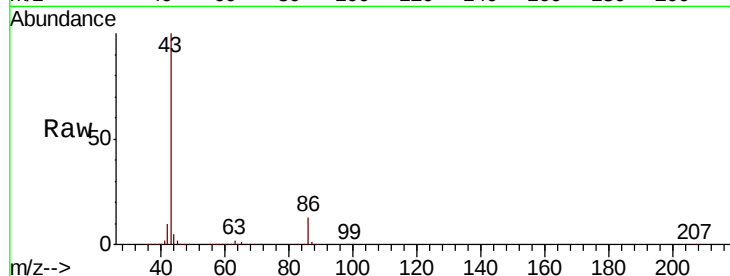
VSTDIC020

Tgt Ion: 43 Resp: 373468

Ion Ratio Lower Upper

43 100

86 12.5 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

120000

100000

80000

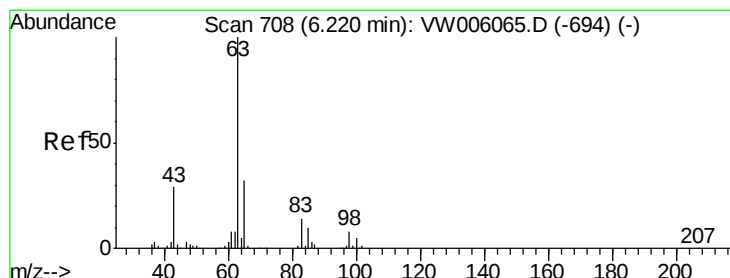
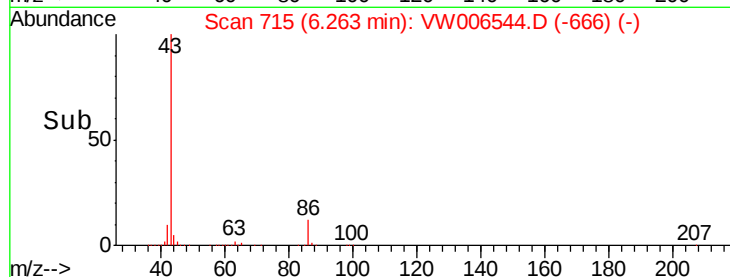
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 21.088 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

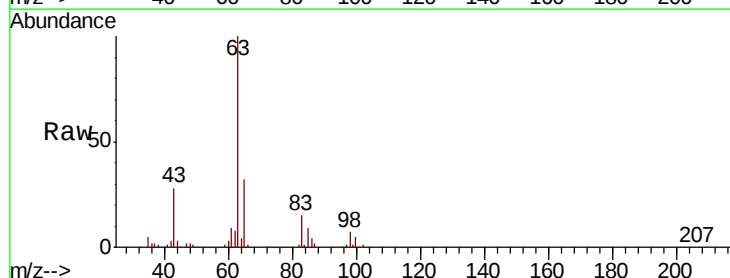
Tgt Ion: 63 Resp: 92850

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.4

100 4.6 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

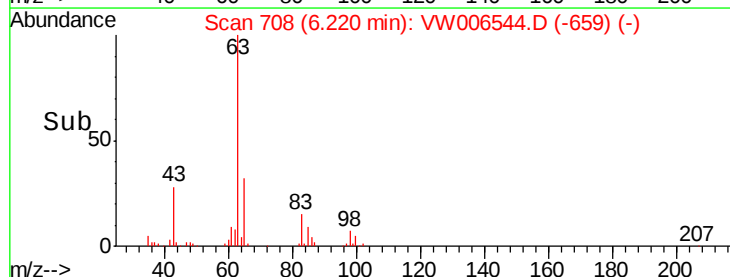
30000

20000

10000

0

Time--> 6.10 6.20 6.30





#25

2-Butanone

Concen: 92.403 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

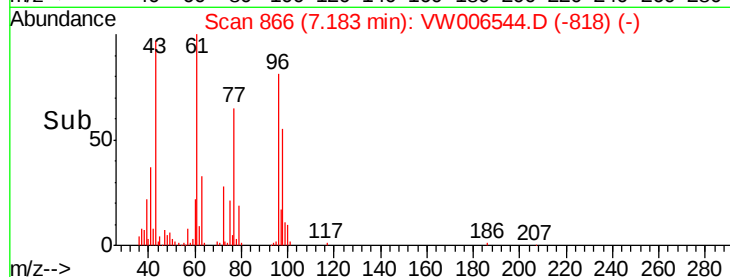
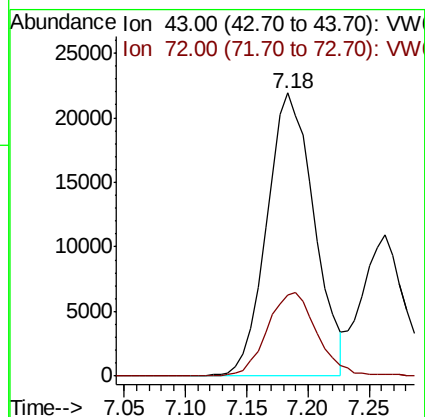
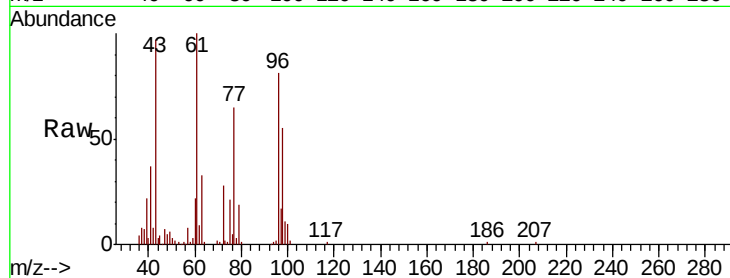
VSTDIC020

Tgt Ion: 43 Resp: 59320

Ion Ratio Lower Upper

43 100

72 28.8 23.2 34.8



#26

2,2-Dichloropropane

Concen: 18.217 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006544.D

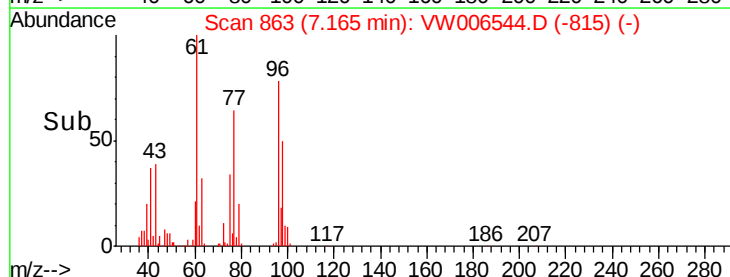
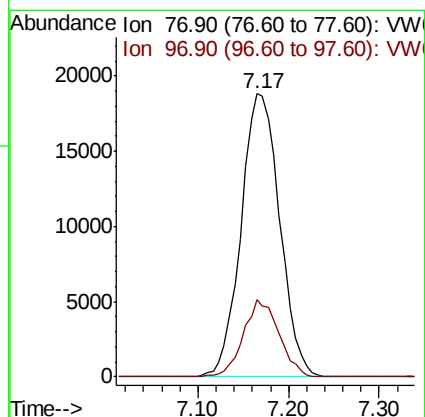
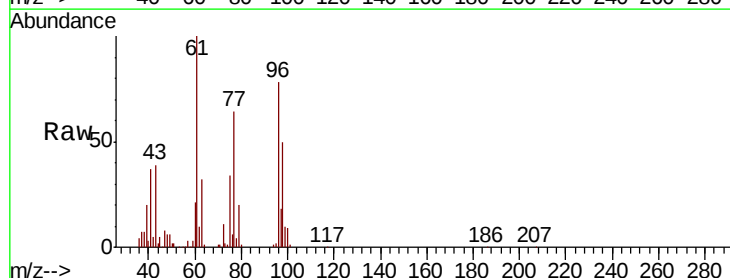
Acq: 01 Nov 2018 00:21

Tgt Ion: 77 Resp: 55497

Ion Ratio Lower Upper

77 100

97 25.2 12.8 38.4



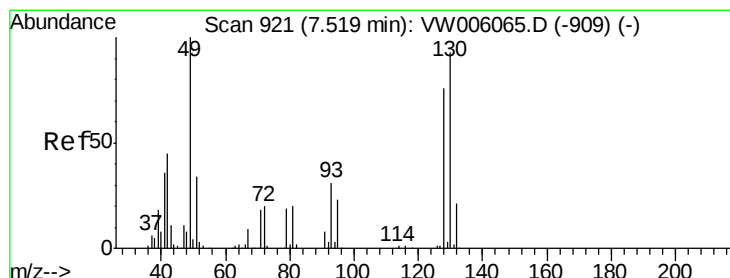
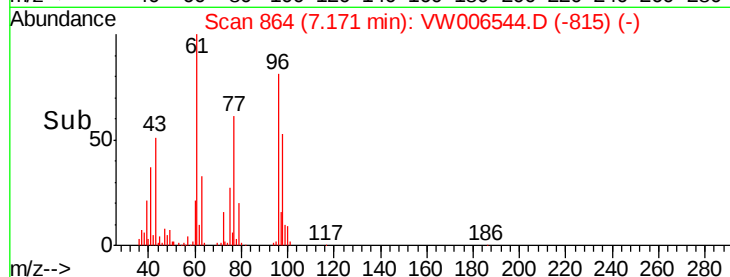
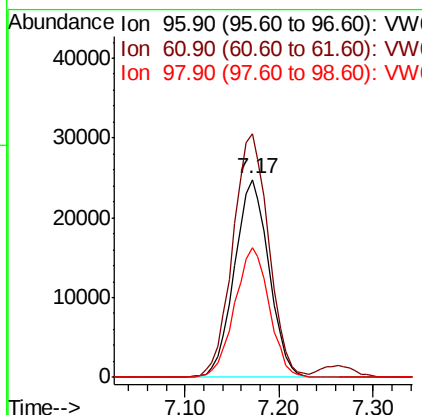
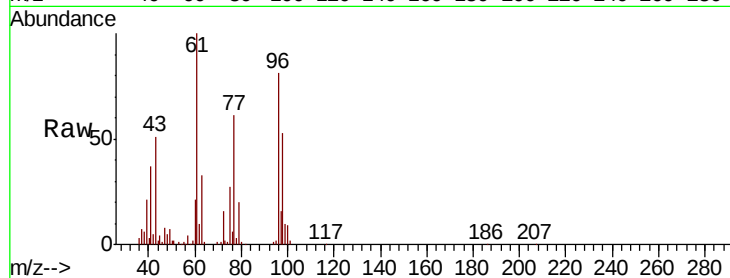


#27

cis-1,2-Dichloroethene
Concen: 21.213 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

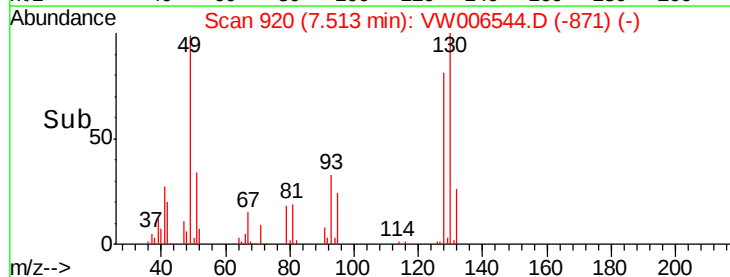
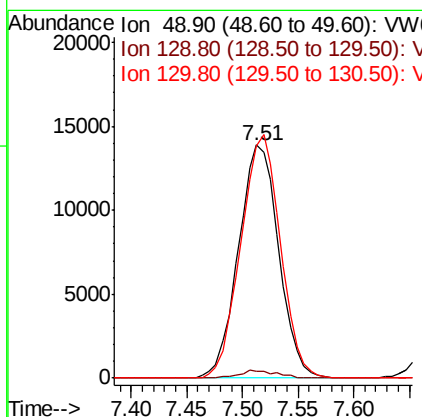
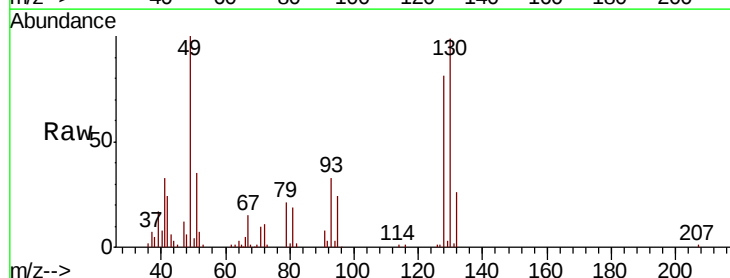
Tgt Ion: 96 Resp: 63369
Ion Ratio Lower Upper
96 100
61 127.8 0.0 254.2
98 65.7 0.0 129.6



#28

Bromochloromethane
Concen: 20.602 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion: 49 Resp: 34933
Ion Ratio Lower Upper
49 100
129 3.0 0.0 5.6
130 102.7 82.2 123.2





#29

Tetrahydrofuran

Concen: 92.746 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

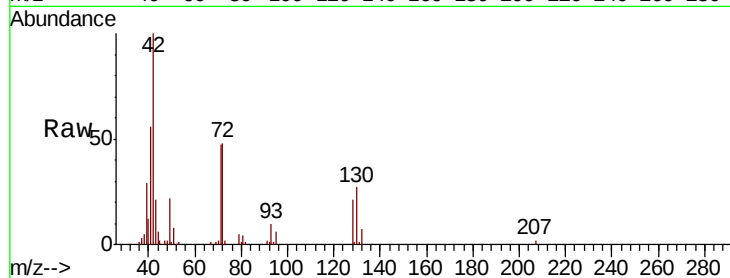
Tgt Ion: 42 Resp: 36658

Ion Ratio Lower Upper

42 100

72 49.5 39.2 58.8

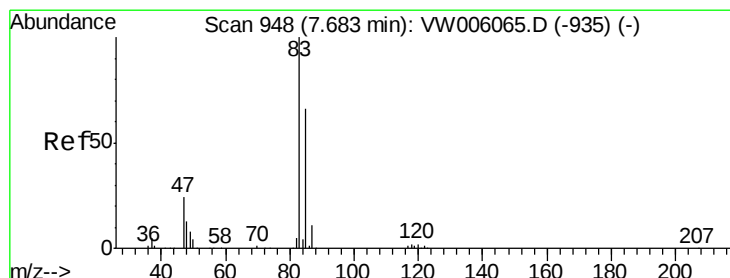
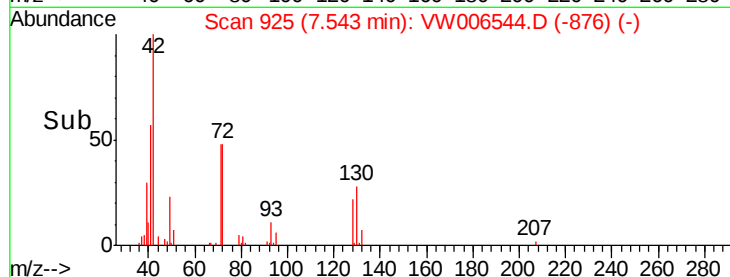
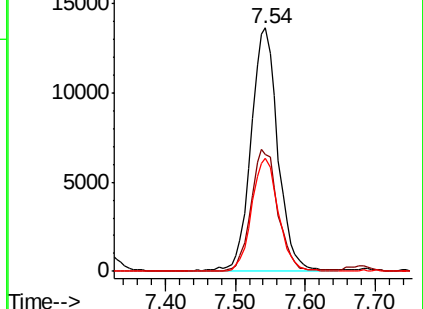
71 45.6 37.6 56.4



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 21.264 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006544.D

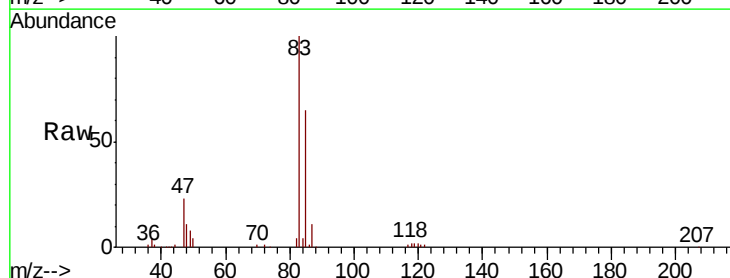
Acq: 01 Nov 2018 00:21

Tgt Ion: 83 Resp: 102428

Ion Ratio Lower Upper

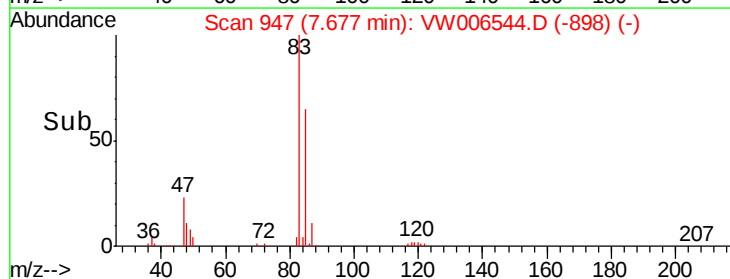
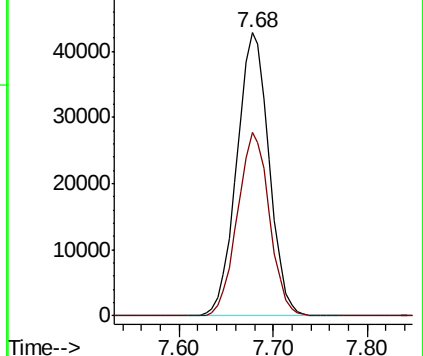
83 100

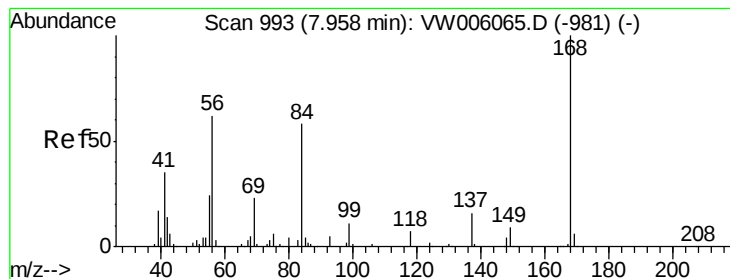
85 64.9 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 19.389 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

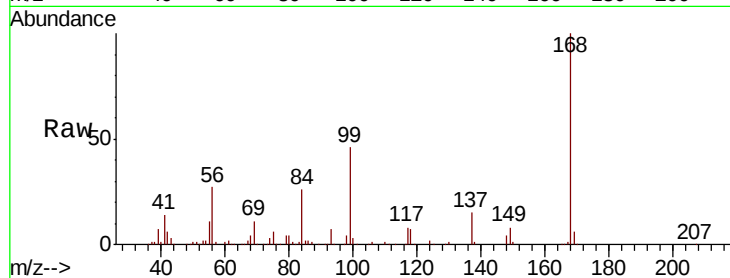
Tgt Ion: 56 Resp: 84001

Ion Ratio Lower Upper

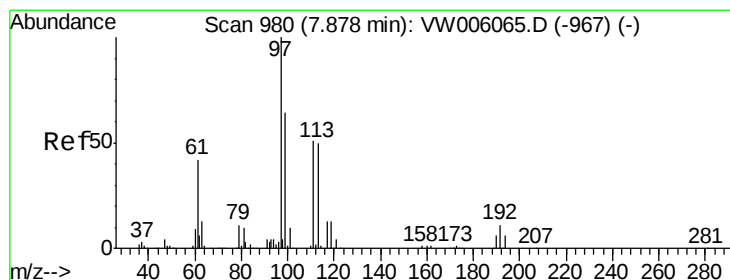
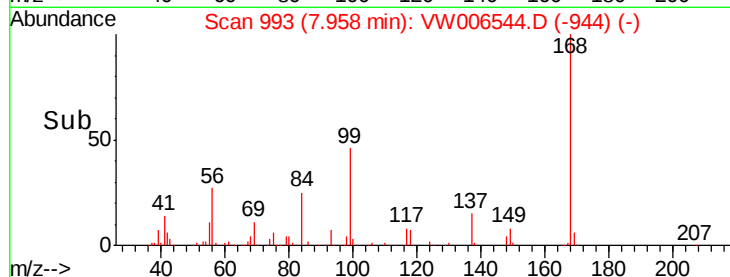
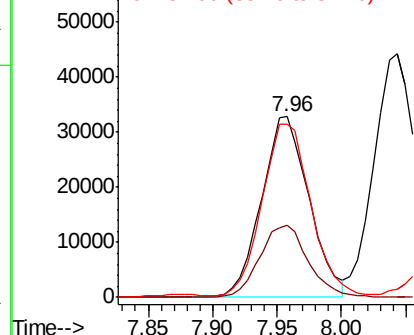
56 100

69 39.8 29.0 43.4

84 94.3 77.8 116.6



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



#32

1,1,1-Trichloroethane

Concen: 20.162 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

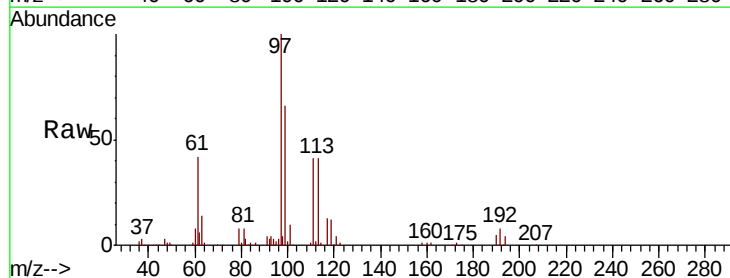
Tgt Ion: 97 Resp: 86618

Ion Ratio Lower Upper

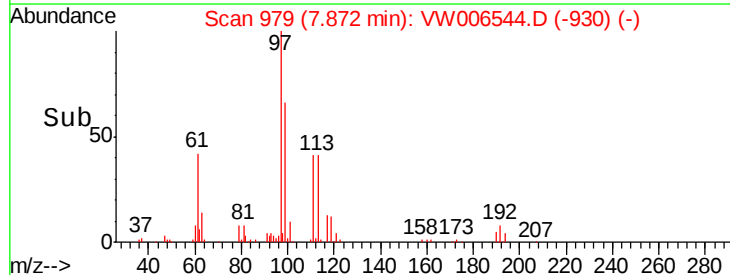
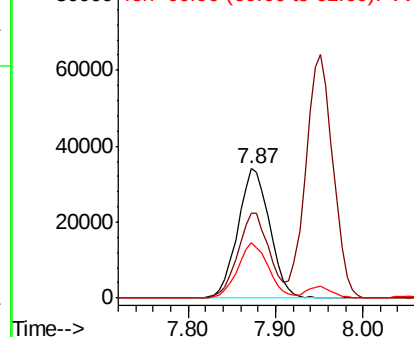
97 100

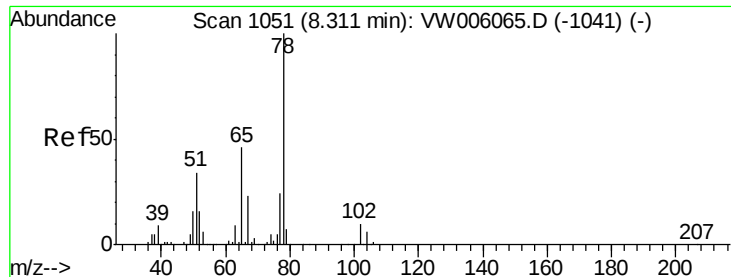
99 64.2 51.7 77.5

61 41.5 32.9 49.3



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

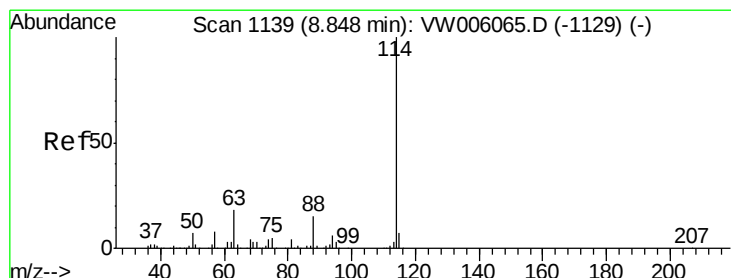
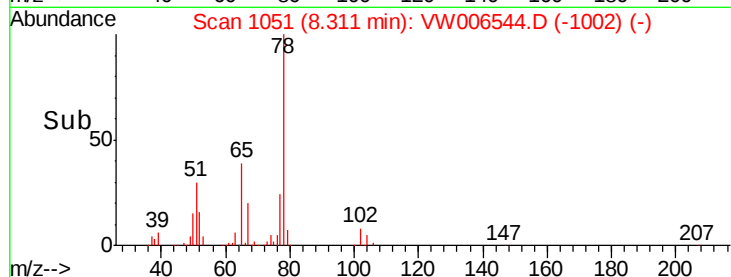
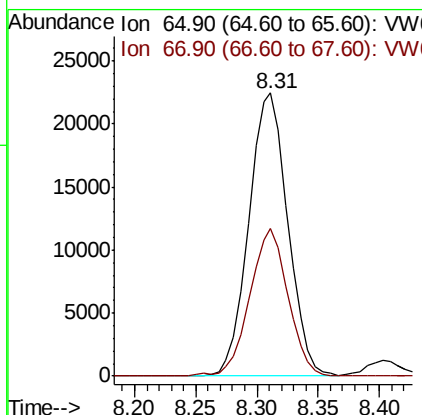
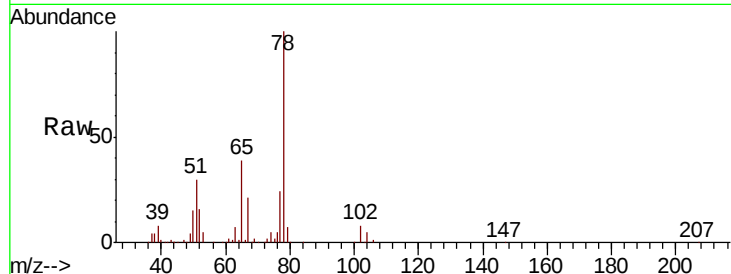




#33
 1,2-Dichloroethane-d4
 Concen: 20.532 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

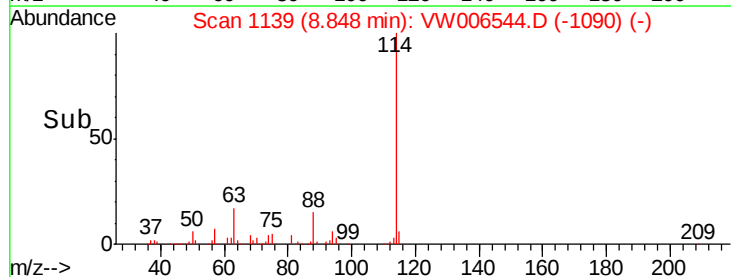
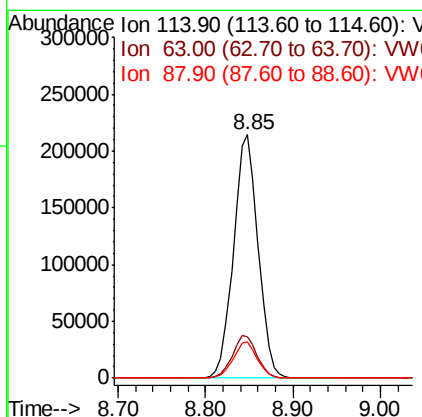
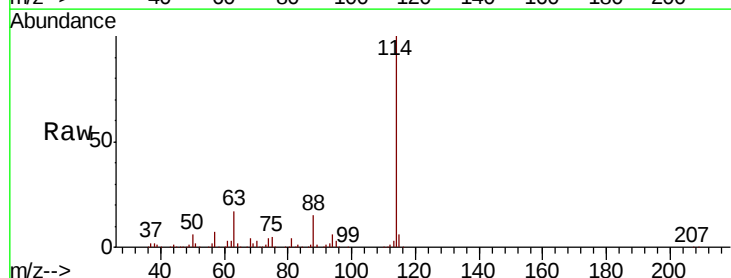
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

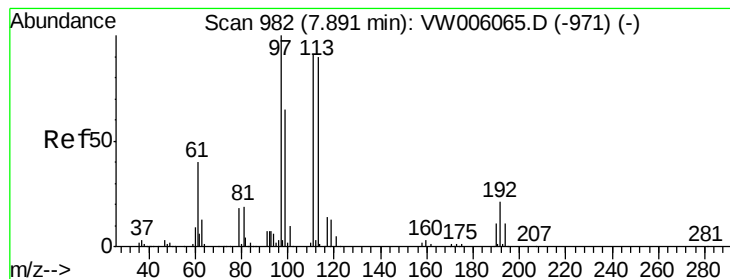
Tgt Ion: 65 Resp: 49817
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

Tgt Ion: 114 Resp: 418304
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 34.4
 88 15.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 20.650 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

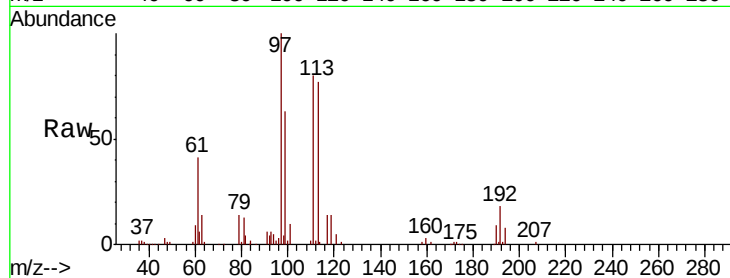
Tgt Ion:113 Resp: 51651

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

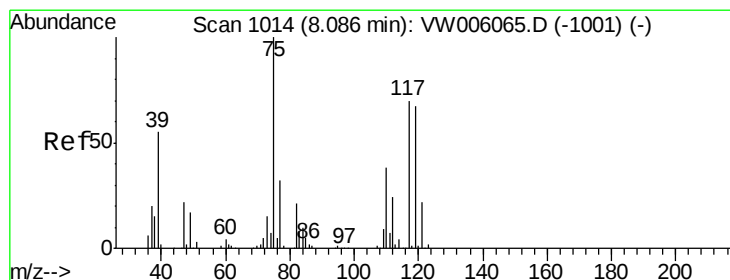
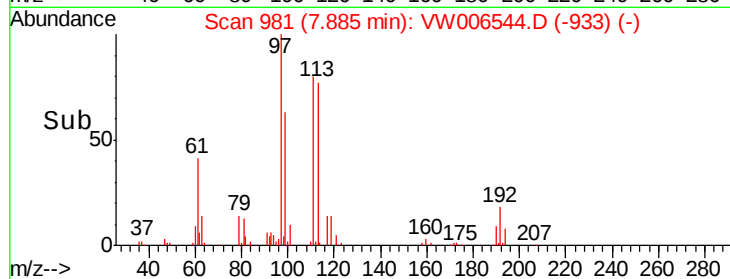
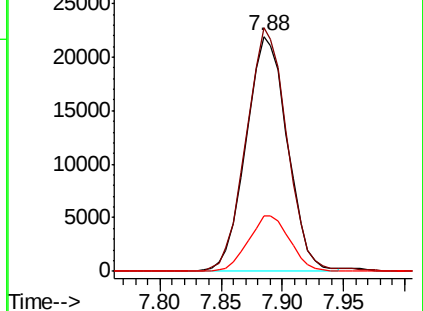
192 23.7 19.0 28.6



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: 20.524 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

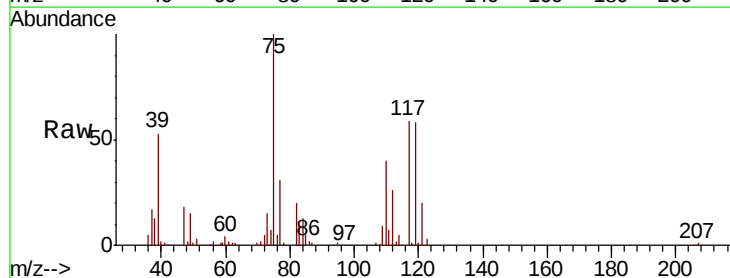
Tgt Ion: 75 Resp: 78555

Ion Ratio Lower Upper

75 100

110 38.6 19.5 58.5

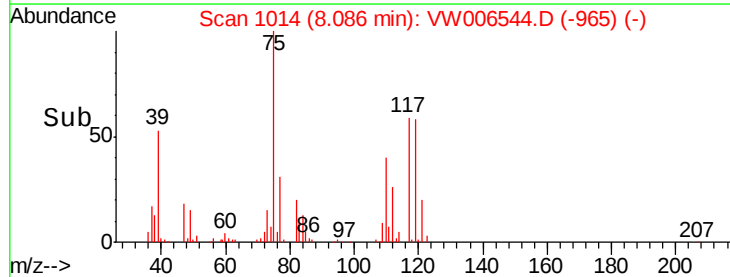
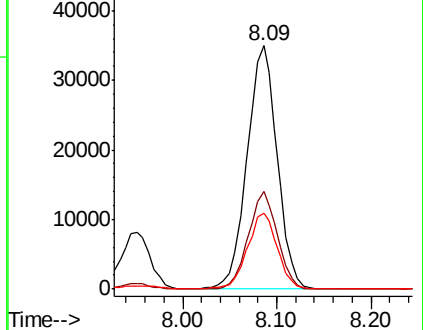
77 31.0 24.6 37.0

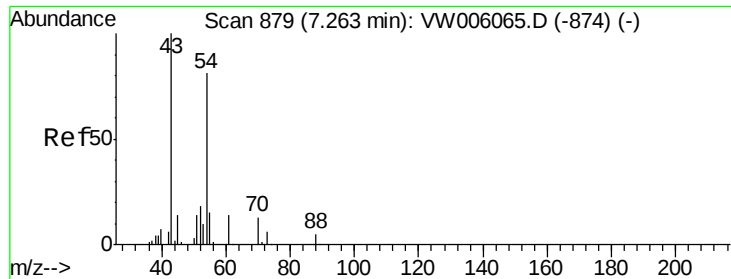


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

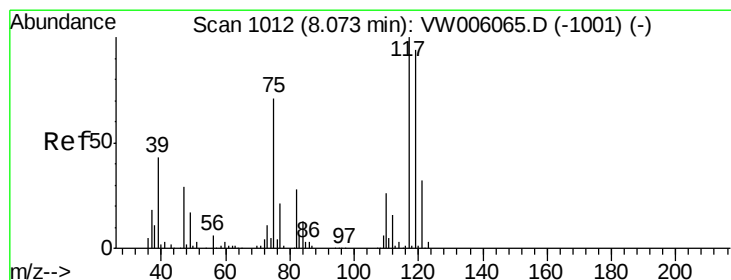
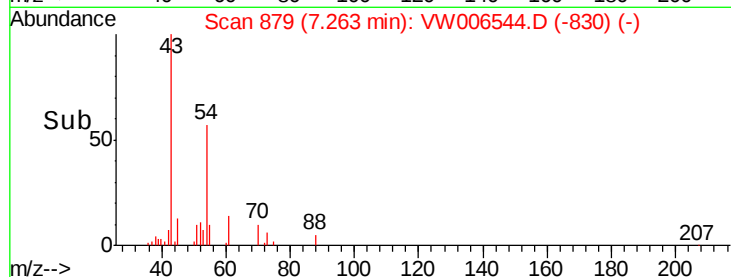
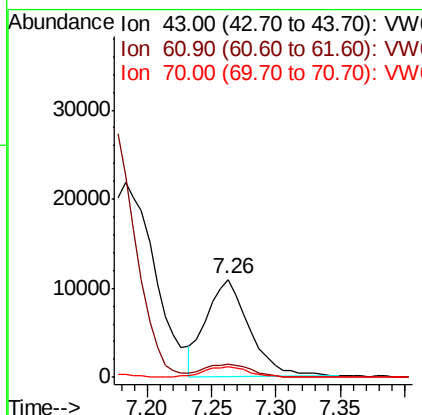
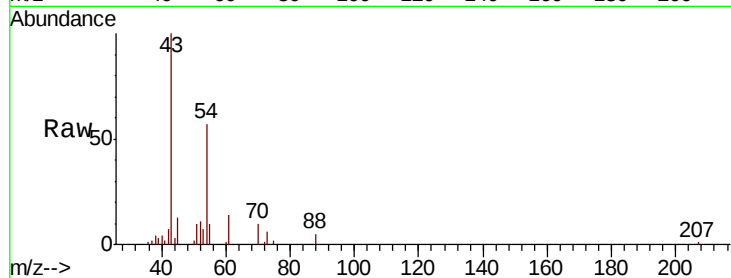




#37
Ethyl Acetate
Concen: 18.048 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

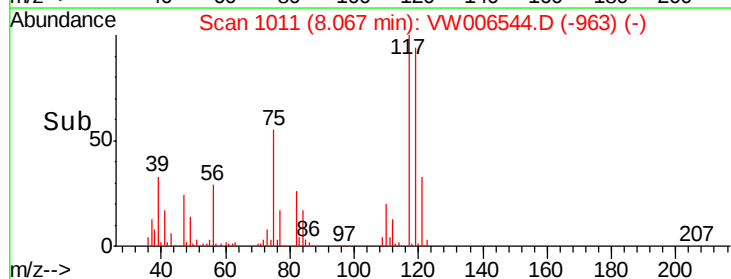
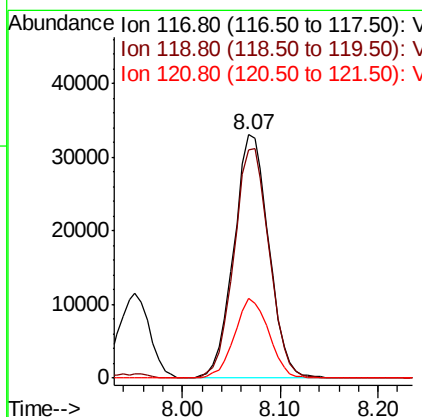
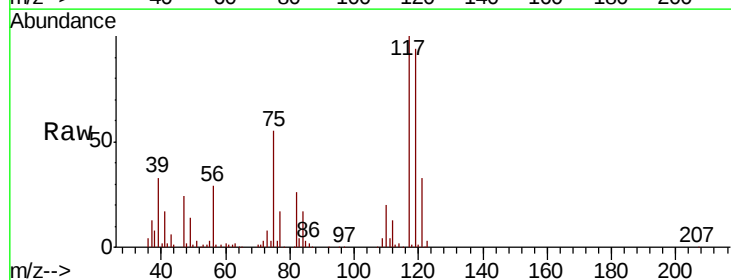
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

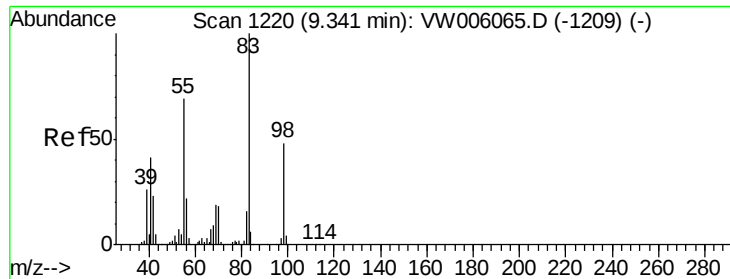
Tgt Ion: 43 Resp: 25540
Ion Ratio Lower Upper
43 100
61 14.9 12.1 18.1
70 11.6 9.8 14.6



#38
Carbon Tetrachloride
Concen: 19.707 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion: 117 Resp: 82117
Ion Ratio Lower Upper
117 100
119 93.6 76.3 114.5
121 32.9 24.1 36.1

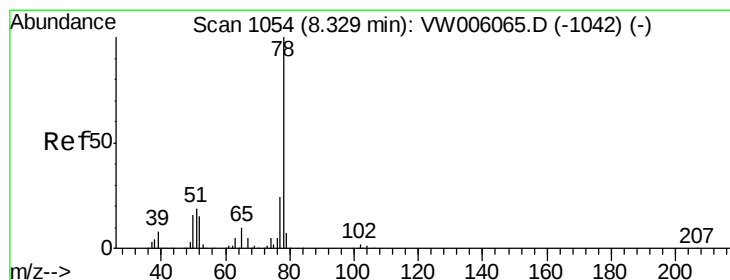
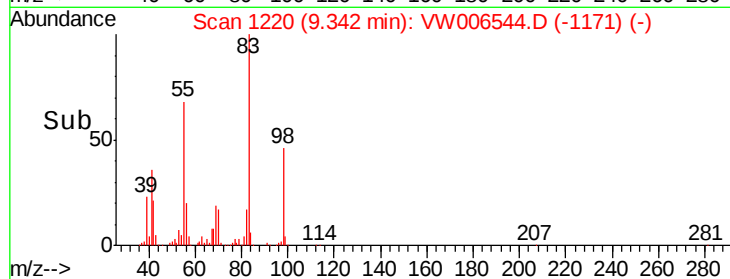
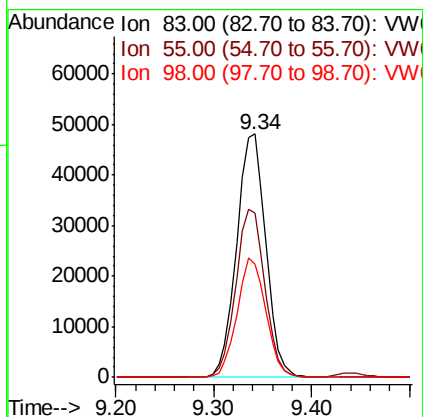
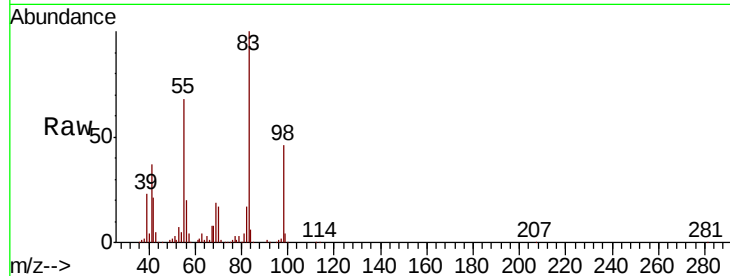




#39
Methylcyclohexane
Concen: 19.705 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

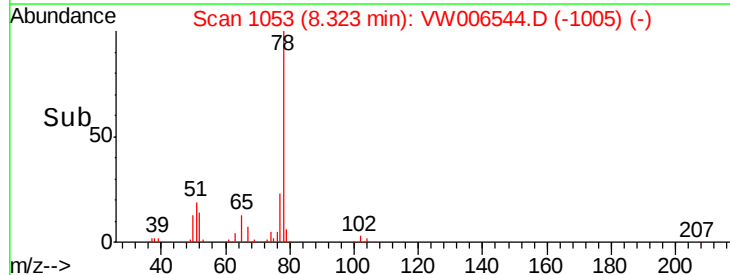
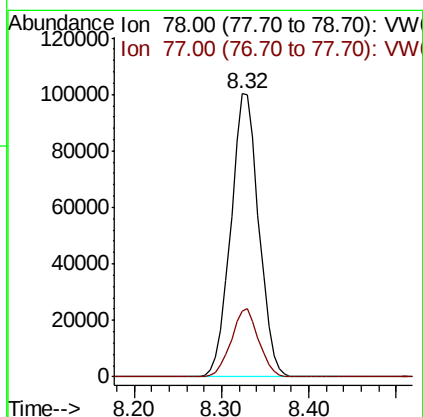
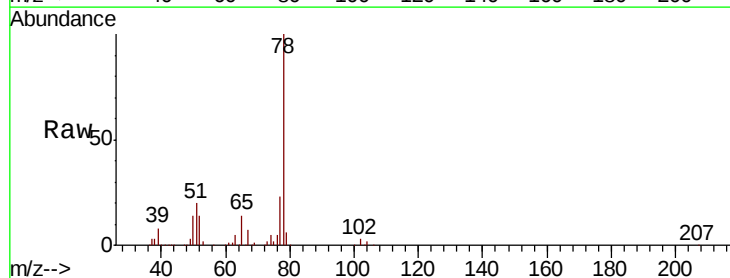
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

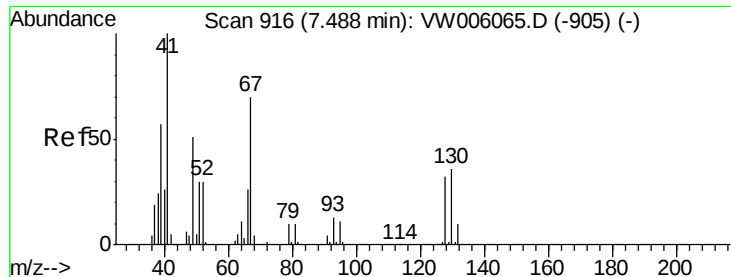
Tgt Ion: 83 Resp: 99745
Ion Ratio Lower Upper
83 100
55 67.7 53.7 80.5
98 46.2 39.2 58.8



#40
Benzene
Concen: 21.082 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion: 78 Resp: 223096
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8

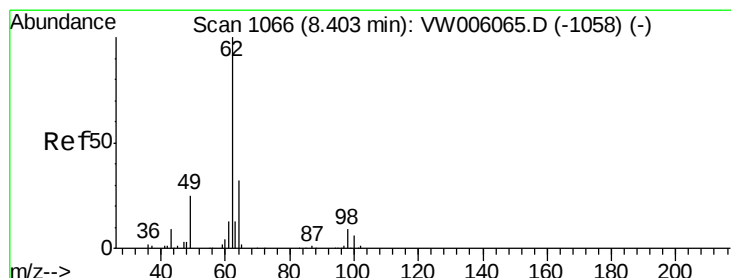
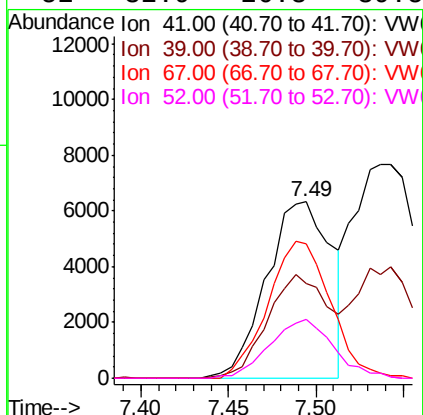
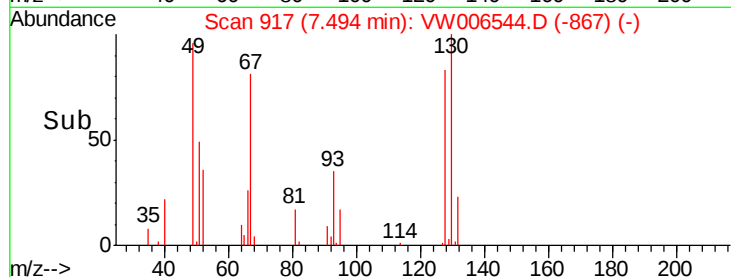
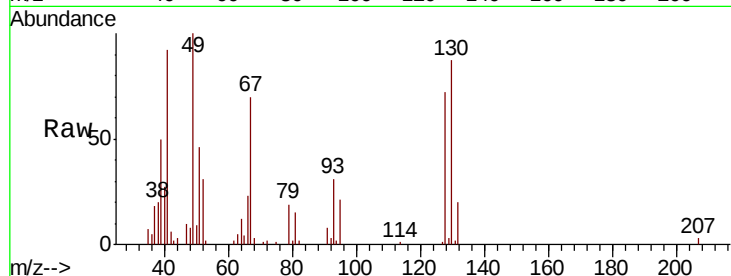




#41
Methacrylonitrile
Concen: 19.248 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

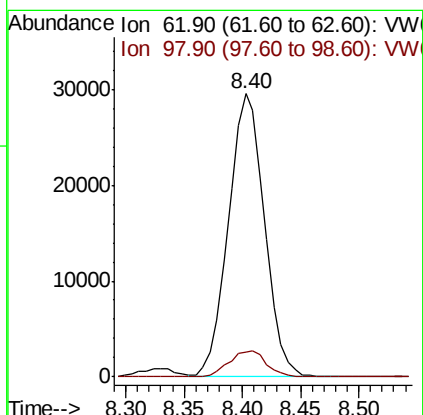
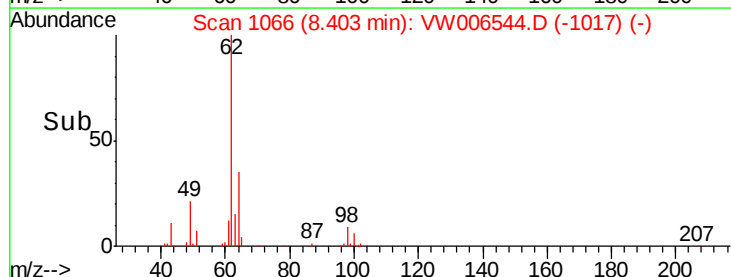
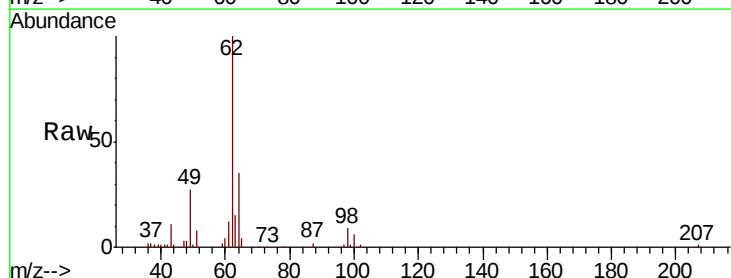
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

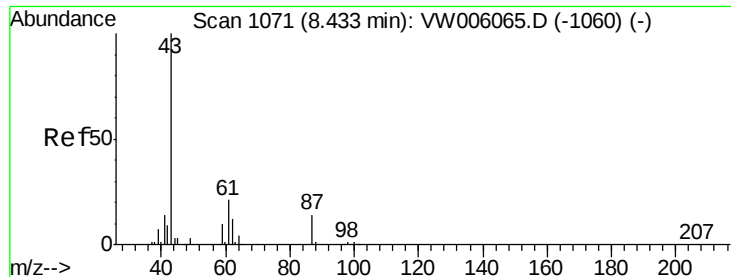
Tgt Ion:	41	Resp:	16301
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.5	66.7
67	75.2	63.8	95.8
52	32.9	26.3	39.5



#42
1,2-Dichloroethane
Concen: 20.548 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion:	62	Resp:	63470
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.8





#43

Isopropyl Acetate

Concen: 17.945 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

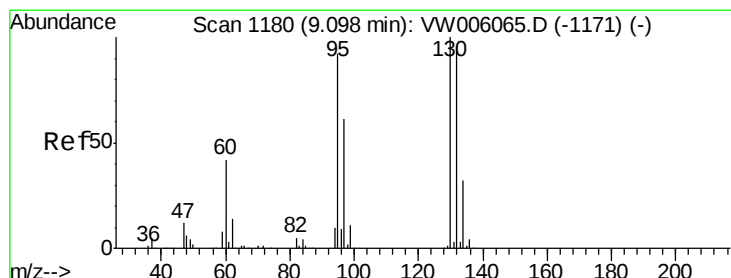
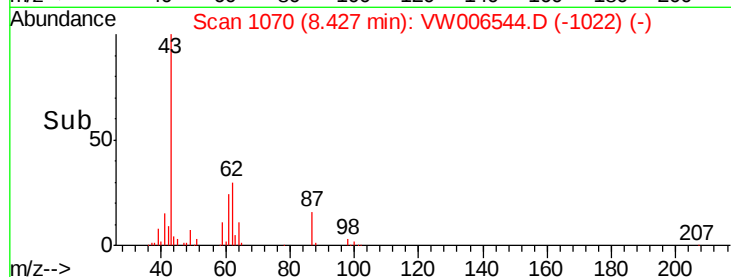
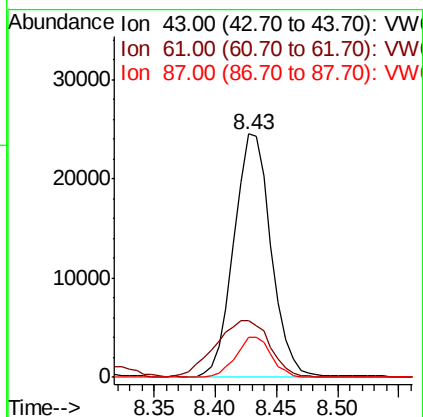
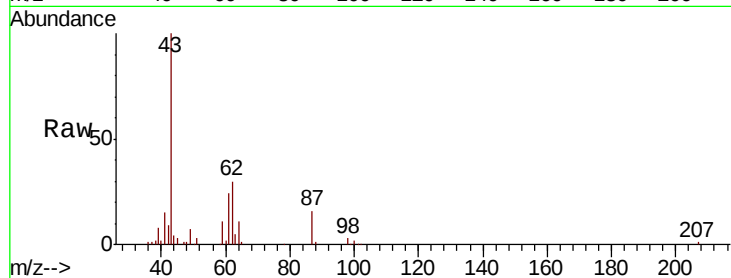
Tgt Ion: 43 Resp: 51590

Ion Ratio Lower Upper

43 100

61 34.2 27.2 40.8

87 15.8 12.9 19.3



#44

Trichloroethene

Concen: 20.837 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW006544.D

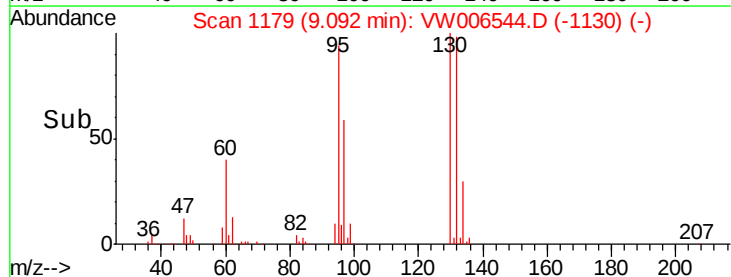
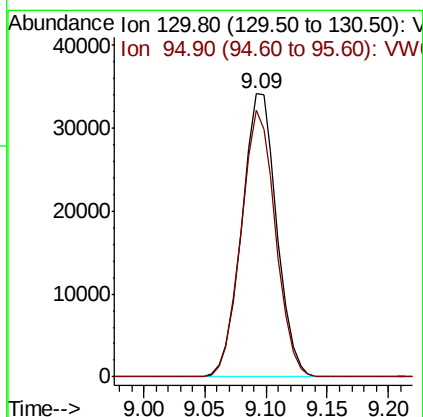
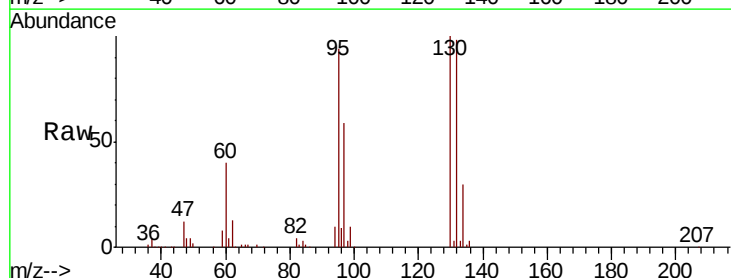
Acq: 01 Nov 2018 00:21

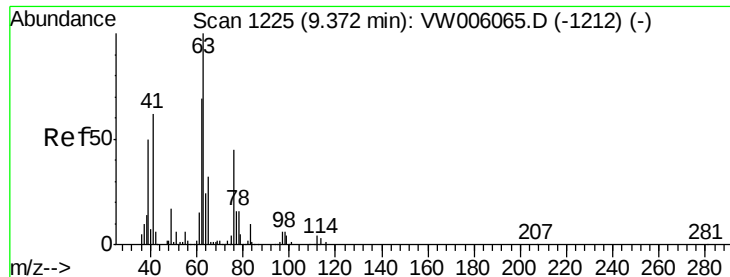
Tgt Ion: 130 Resp: 67684

Ion Ratio Lower Upper

130 100

95 94.2 0.0 179.2

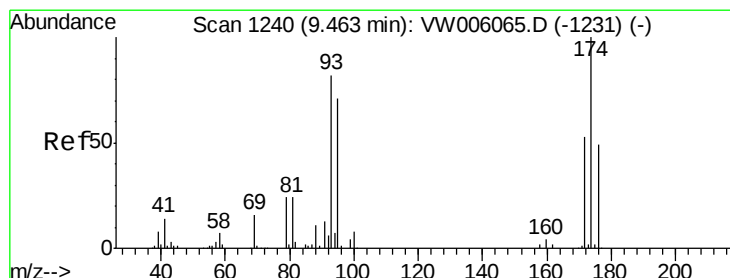
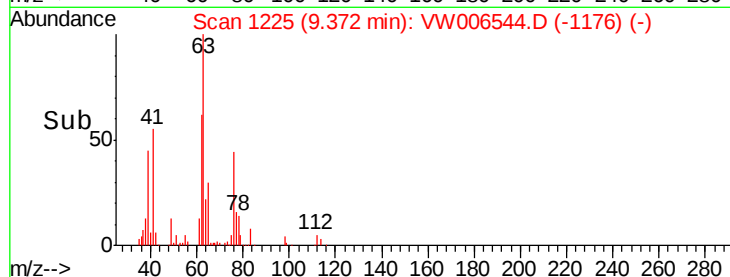
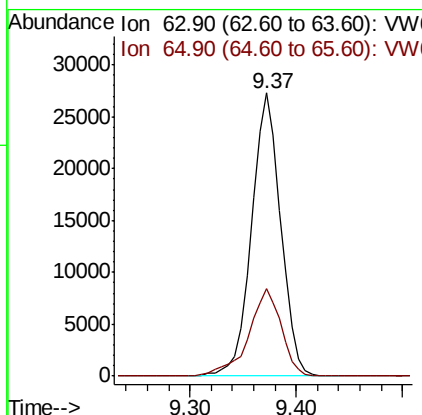
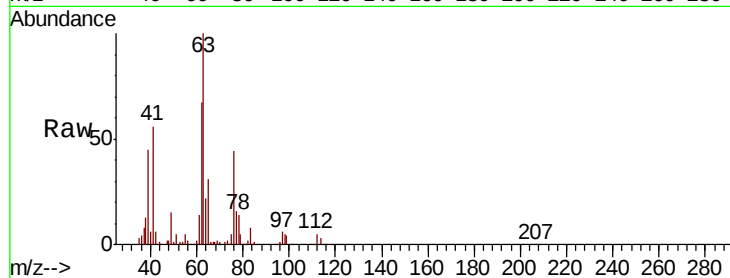




#45
 1,2-Dichloropropane
 Concen: 20.755 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

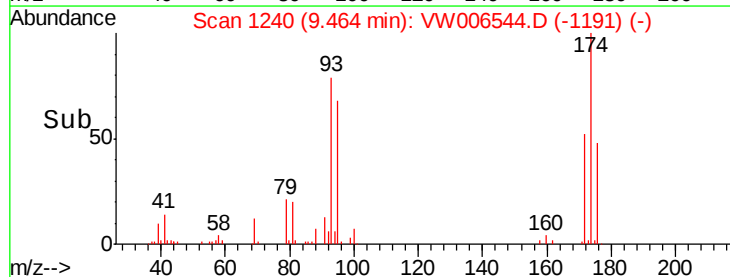
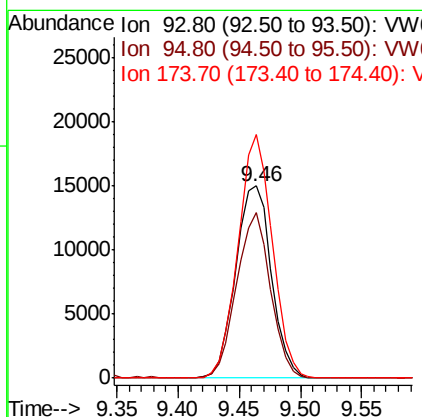
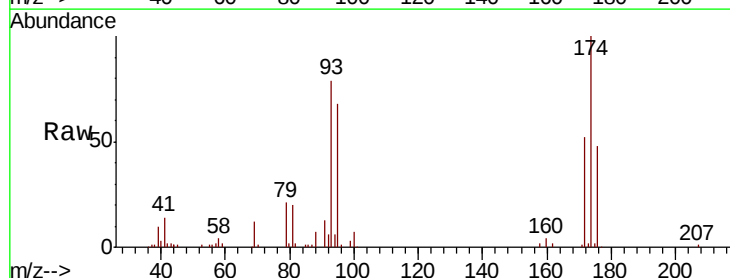
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 63 Resp: 52349
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.1 37.7



#46
 Dibromomethane
 Concen: 21.110 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

Tgt Ion: 93 Resp: 30434
 Ion Ratio Lower Upper
 93 100
 95 81.4 67.2 100.8
 174 121.3 97.3 145.9





#47

Bromodichloromethane

Concen: 19.924 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

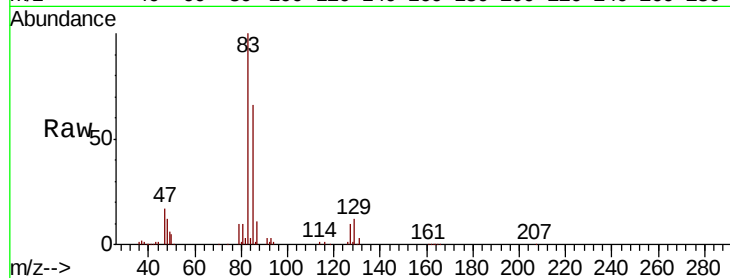
Tgt Ion: 83 Resp: 69403

Ion Ratio Lower Upper

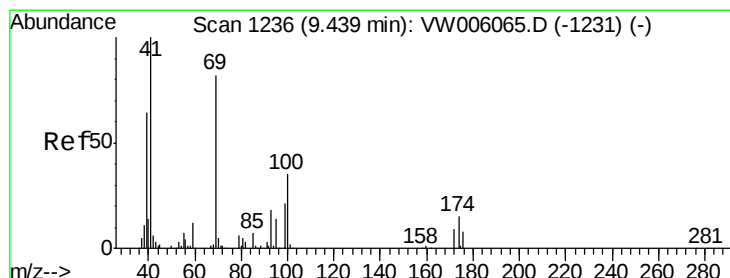
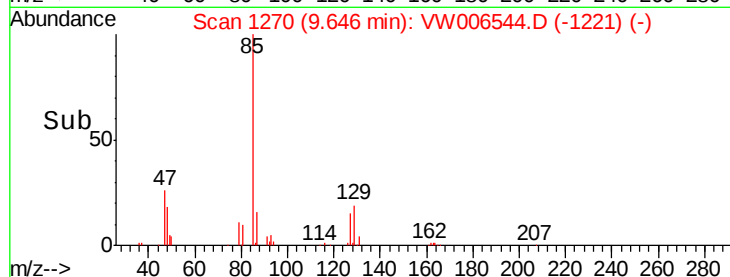
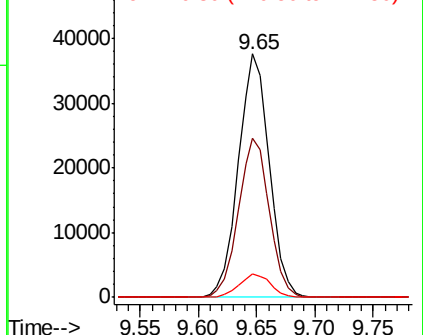
83 100

85 65.6 50.6 75.8

127 9.6 7.5 11.3



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: 18.344 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

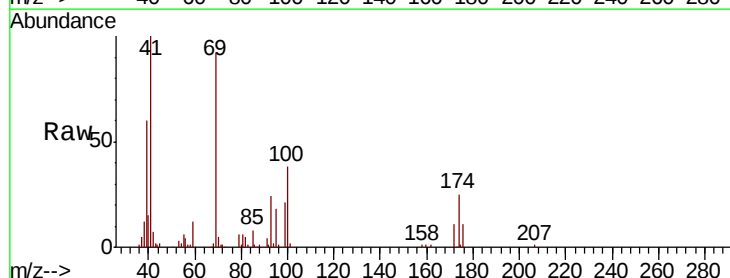
Tgt Ion: 41 Resp: 25068

Ion Ratio Lower Upper

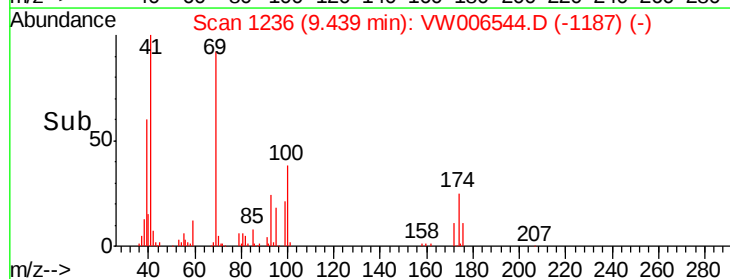
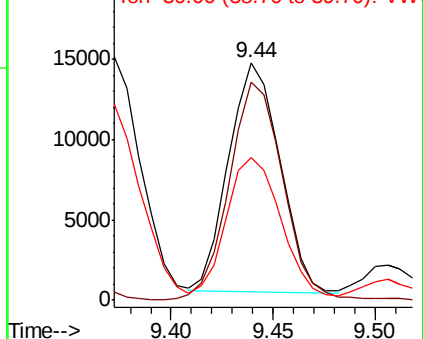
41 100

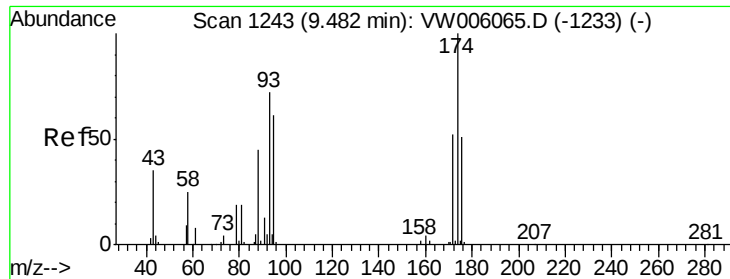
69 99.5 77.8 116.8

39 62.3 48.7 73.1



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

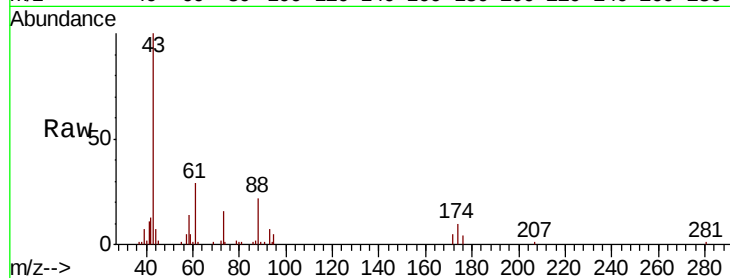




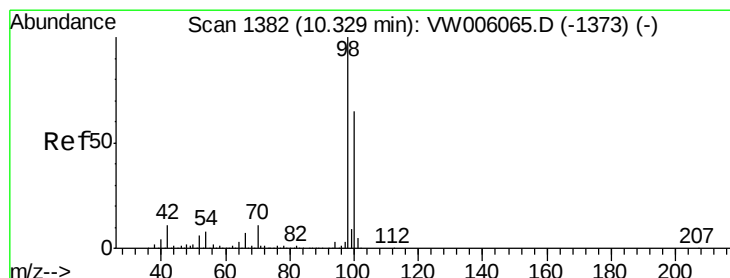
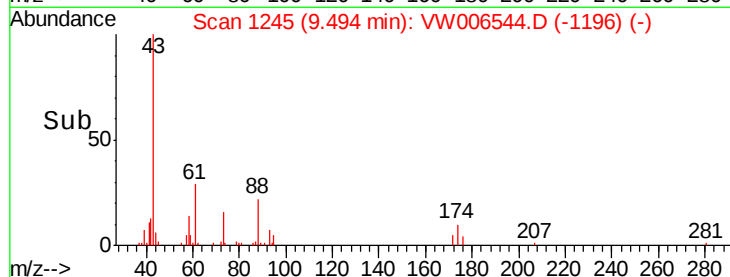
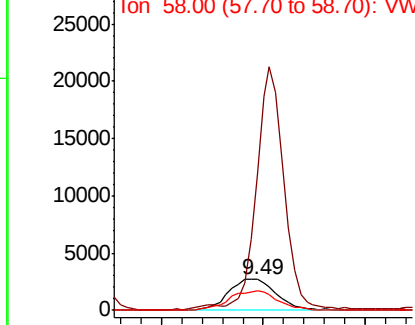
#49
1,4-Dioxane
Concen: 393.072 ug/l
RT: 9.49 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tgt Ion: 88 Resp: 8665
Ion Ratio Lower Upper
88 100
43 454.3 356.6 534.8
58 64.5 51.4 77.2

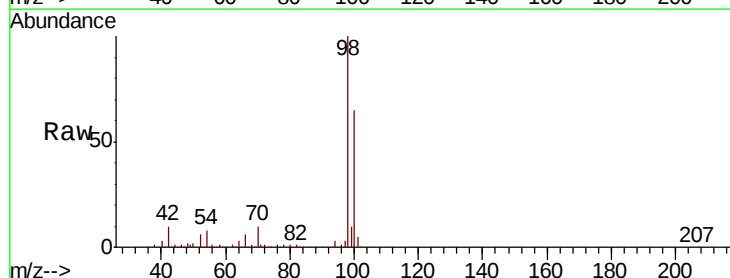


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

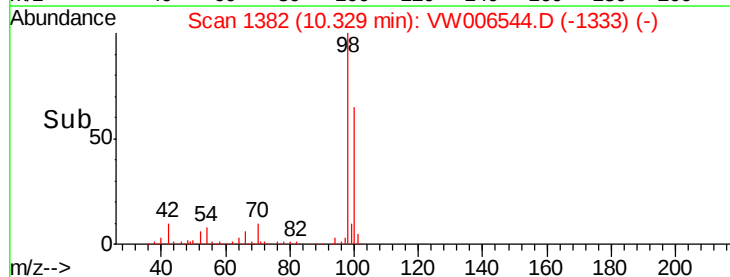
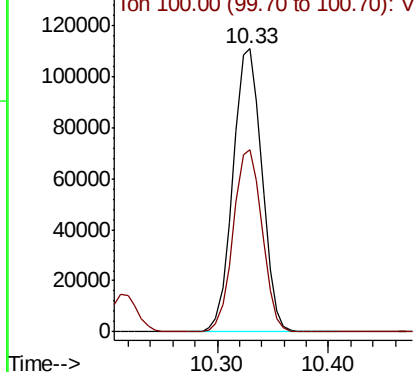


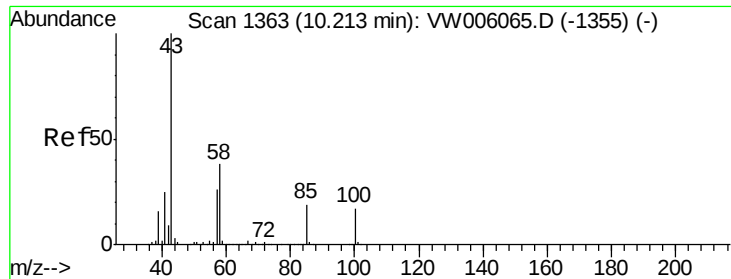
#50
Toluene-d8
Concen: 20.885 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion: 98 Resp: 199282
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

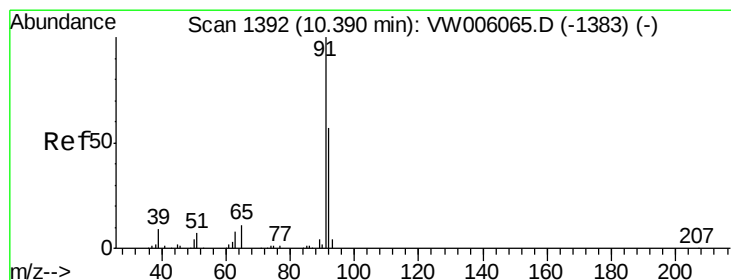
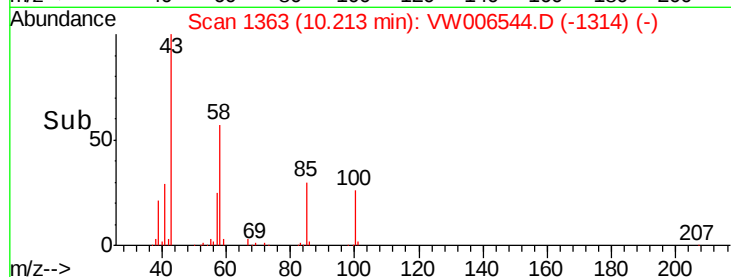
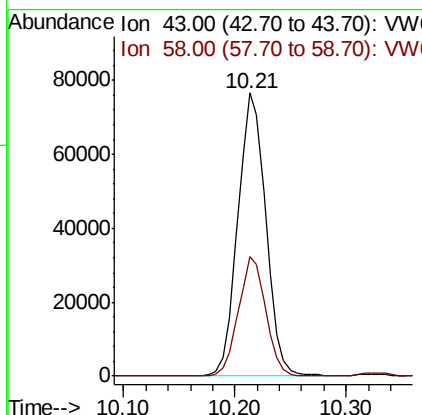
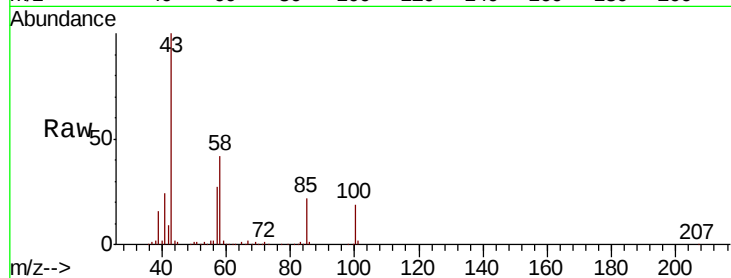




#51
 4-Methyl-2-Pentanone
 Concen: 92.201 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

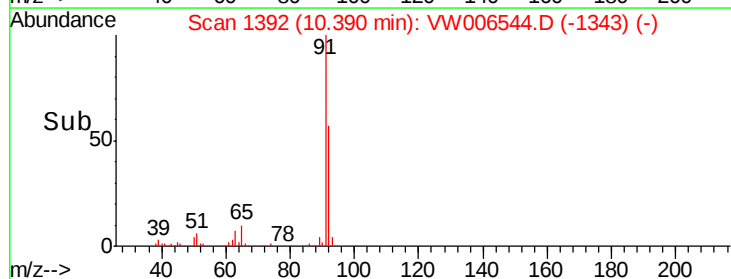
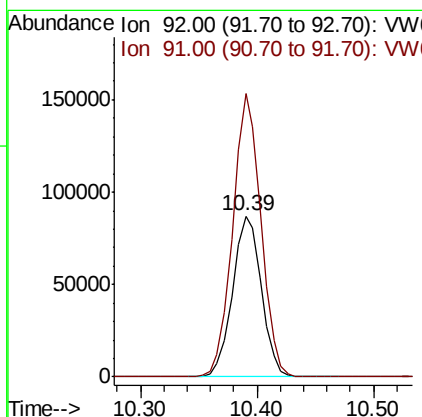
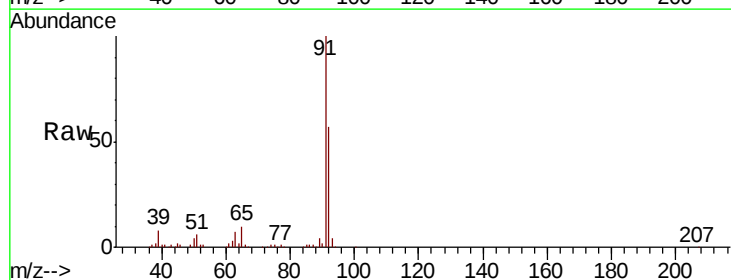
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

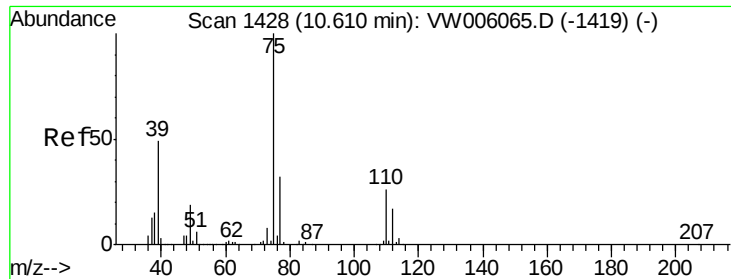
Tgt Ion: 43 Resp: 133458
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.4 50.0



#52
 Toluene
 Concen: 21.033 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

Tgt Ion: 92 Resp: 149183
 Ion Ratio Lower Upper
 92 100
 91 172.9 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 19.111 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

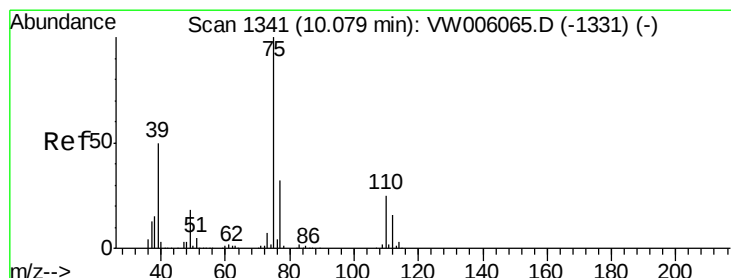
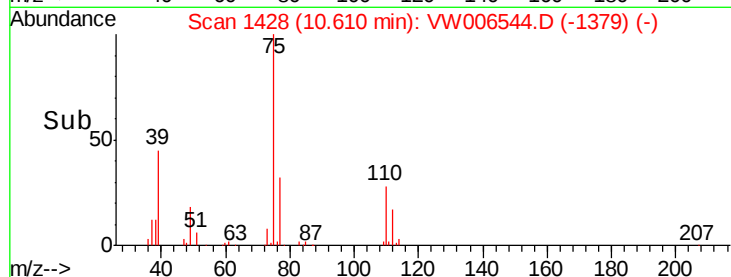
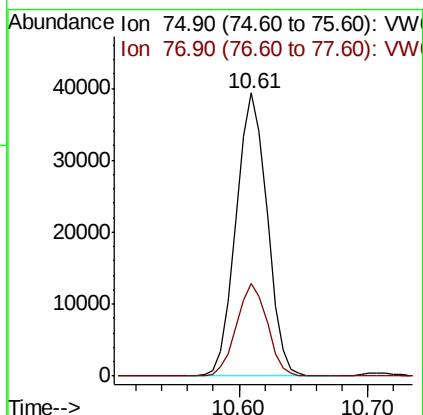
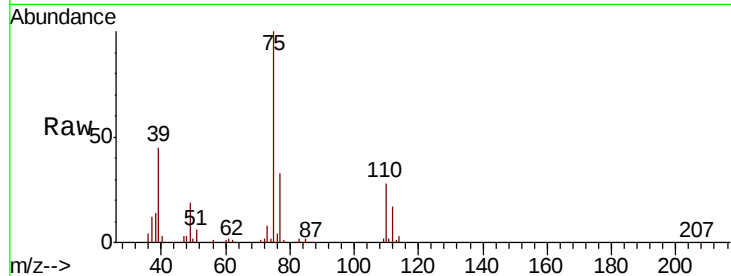
VSTDIC020

Tgt Ion: 75 Resp: 66056

Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 20.063 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

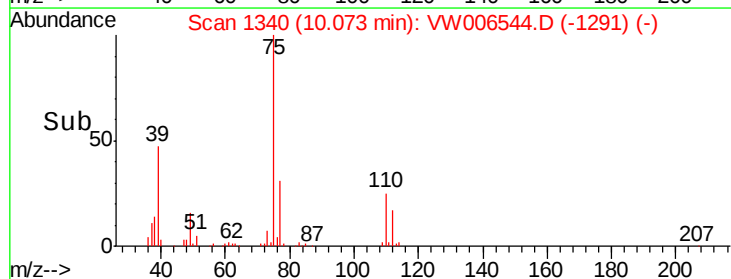
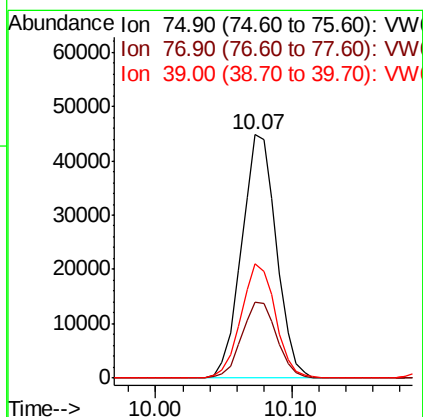
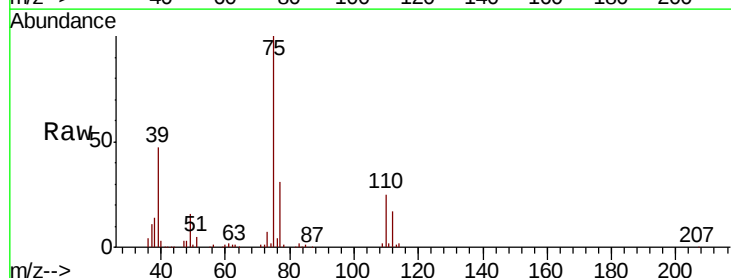
Tgt Ion: 75 Resp: 79776

Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5

39 46.9 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 20.987 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 42437

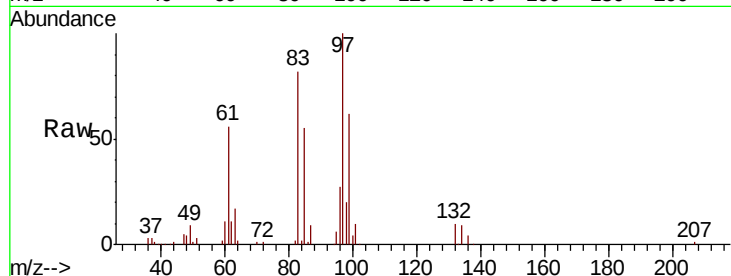
Ion Ratio Lower Upper

97 100

83 82.3 67.9 101.9

85 55.2 44.0 66.0

99 61.6 52.2 78.2

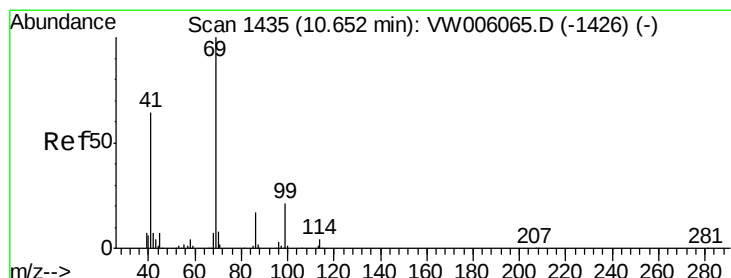
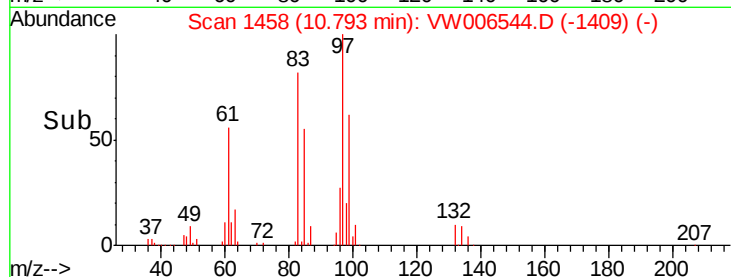
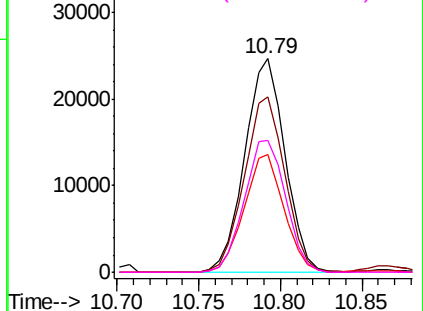


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 19.040 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

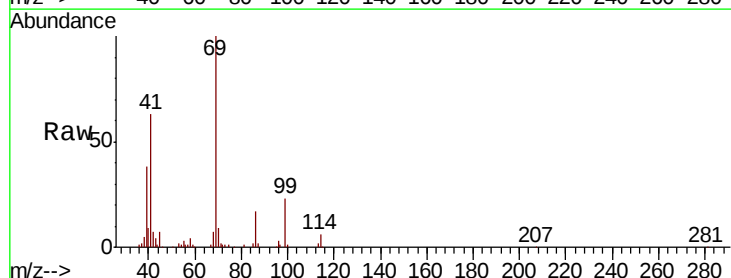
Tgt Ion: 69 Resp: 46879

Ion Ratio Lower Upper

69 100

41 62.5 47.4 71.2

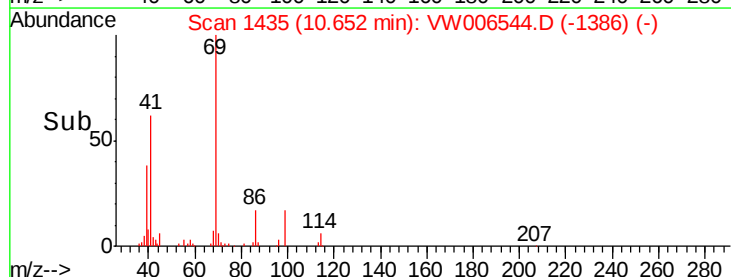
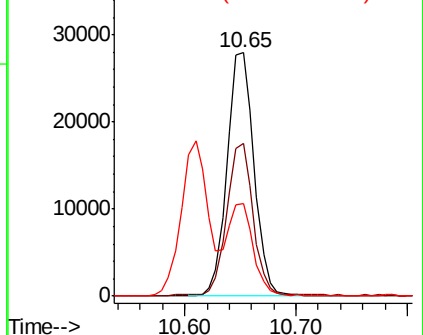
39 33.8 25.3 37.9

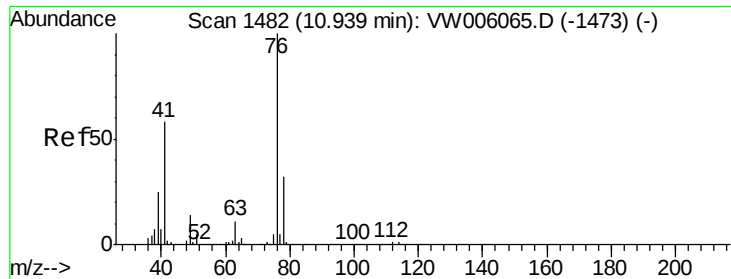


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

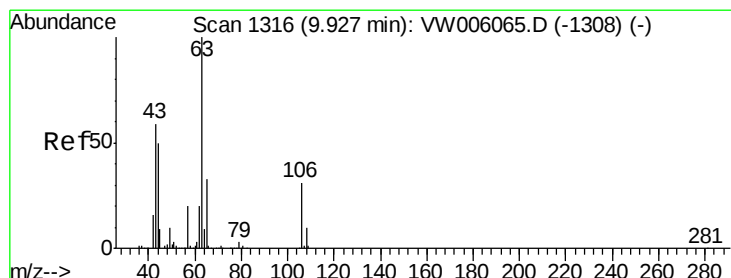
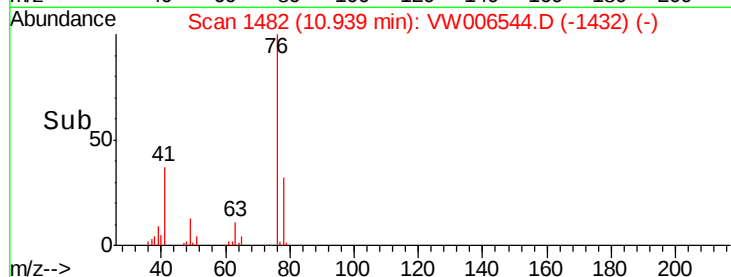
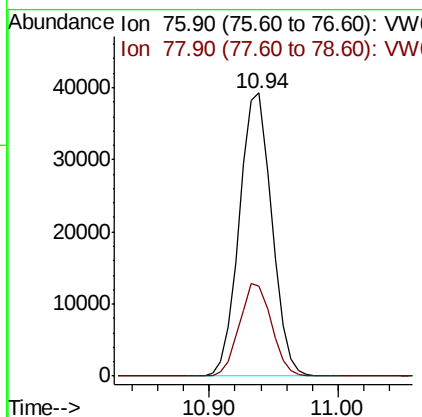
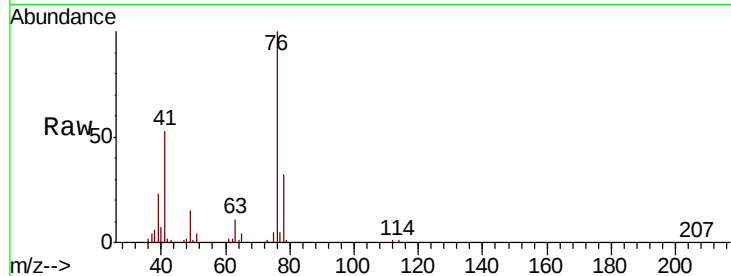




#57
 1,3-Dichloropropane
 Concen: 20.490 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

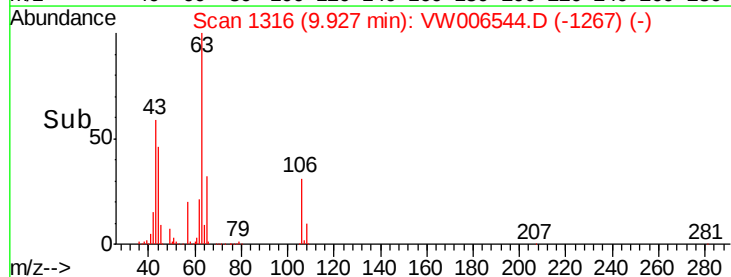
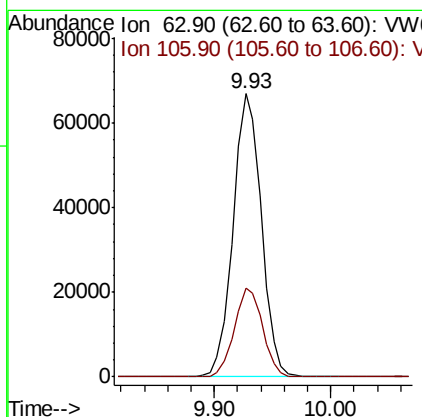
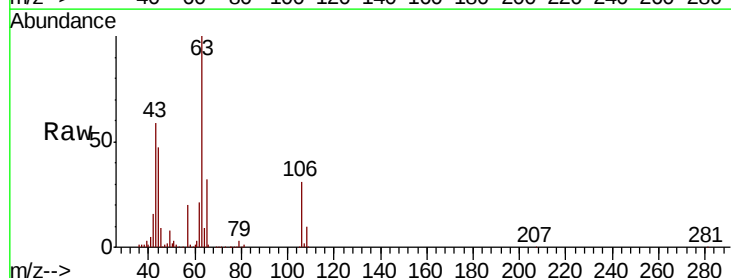
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

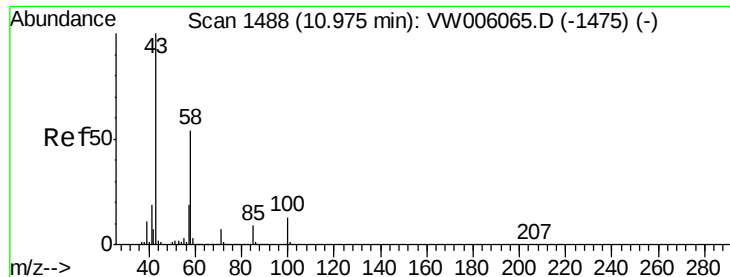
Tgt Ion: 76 Resp: 68383
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.650 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

Tgt Ion: 63 Resp: 113129
 Ion Ratio Lower Upper
 63 100
 106 31.5 25.4 38.2

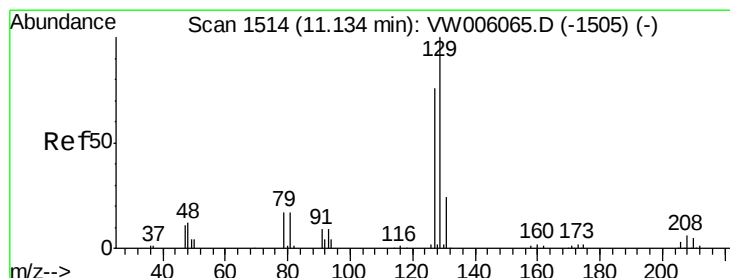
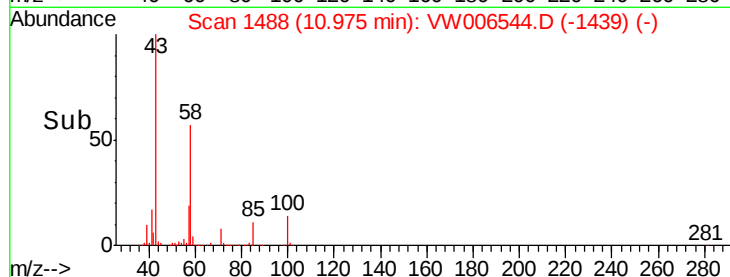
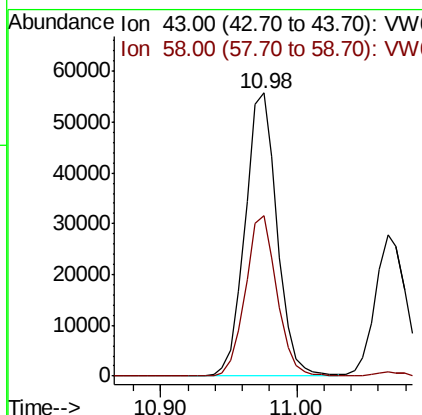
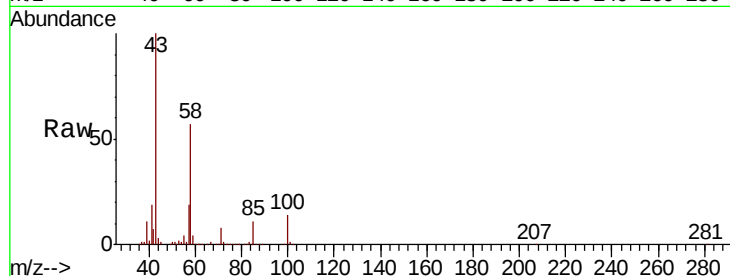




#59
2-Hexanone
Concen: 89.205 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

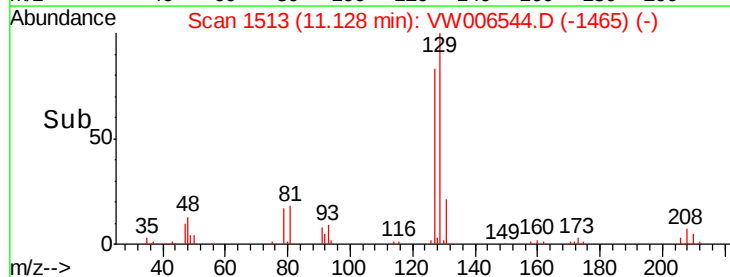
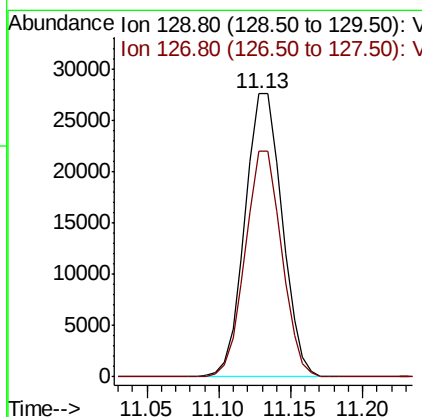
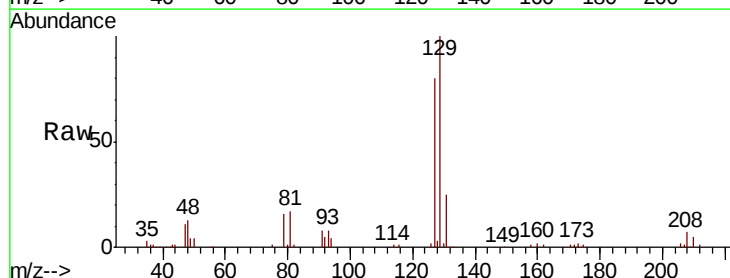
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

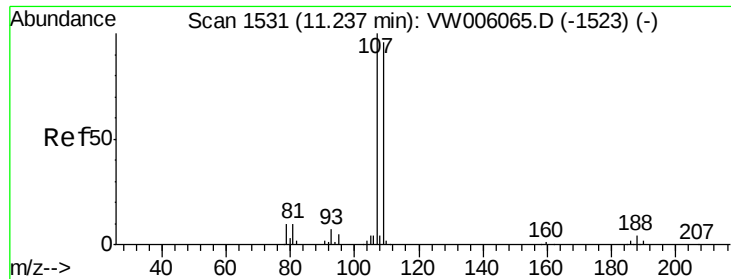
Tgt Ion: 43 Resp: 91803
Ion Ratio Lower Upper
43 100
58 55.6 28.8 86.4



#60
Dibromochloromethane
Concen: 19.727 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion: 129 Resp: 49457
Ion Ratio Lower Upper
129 100
127 78.1 38.8 116.3

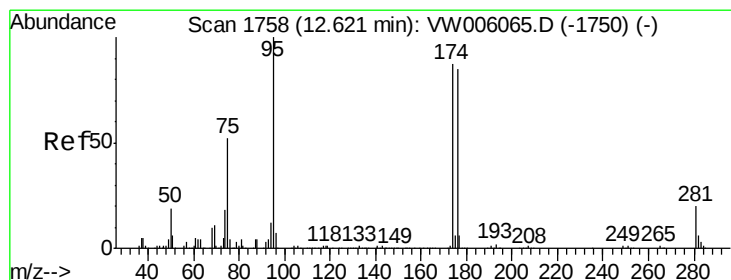
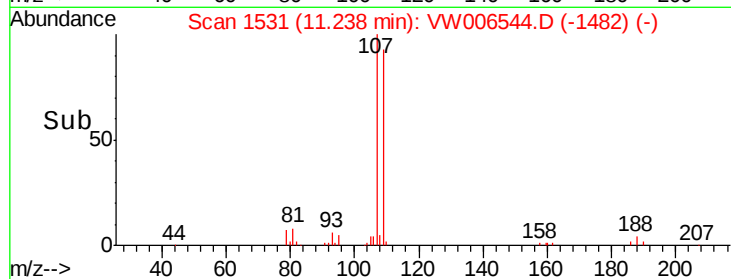
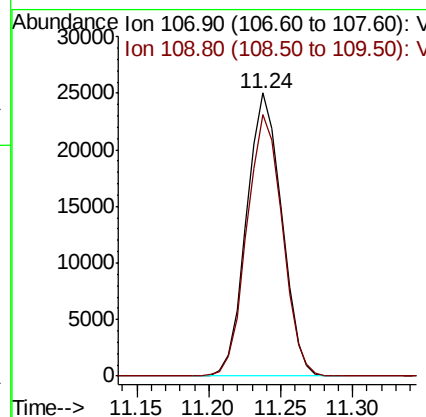
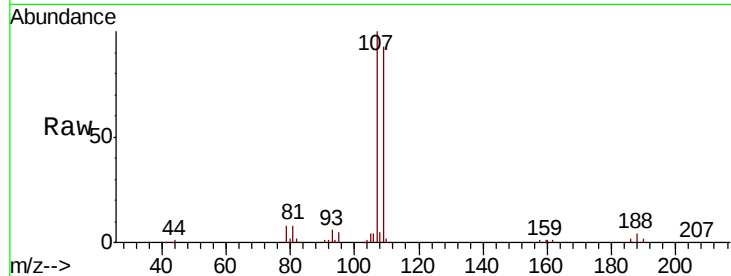




#61
 1,2-Dibromoethane
 Concen: 20.996 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

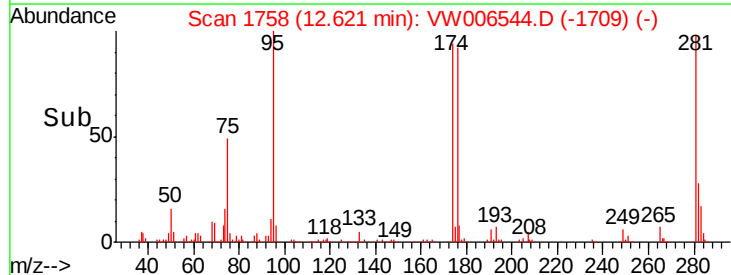
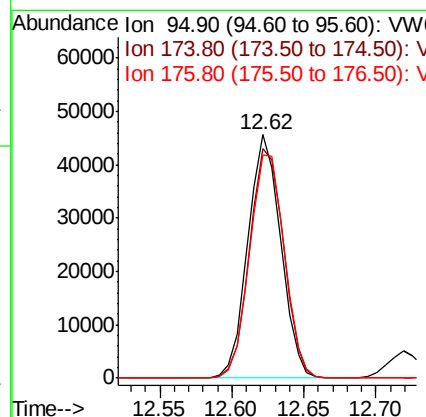
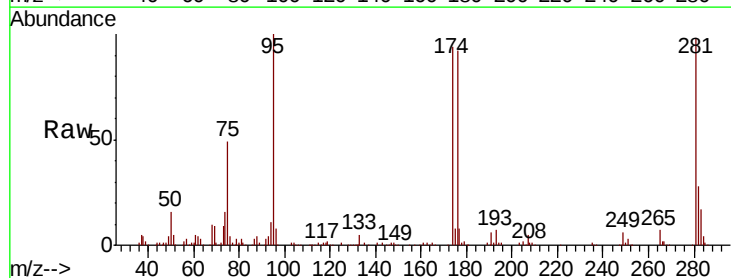
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

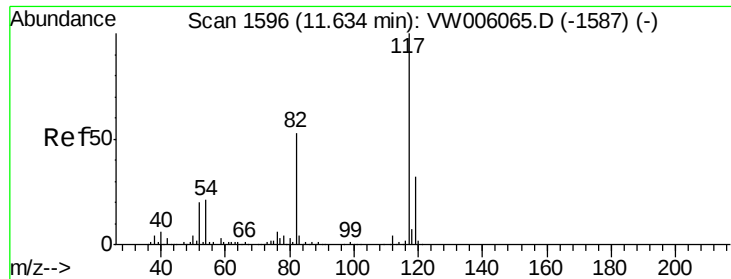
Tgt Ion: 107 Resp: 42396
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 20.272 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

Tgt Ion: 95 Resp: 72167
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 192.4
 176 97.1 0.0 187.4

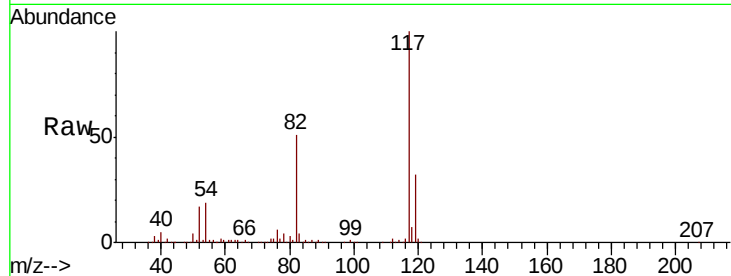




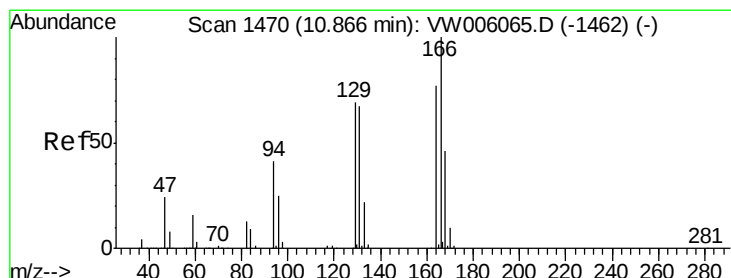
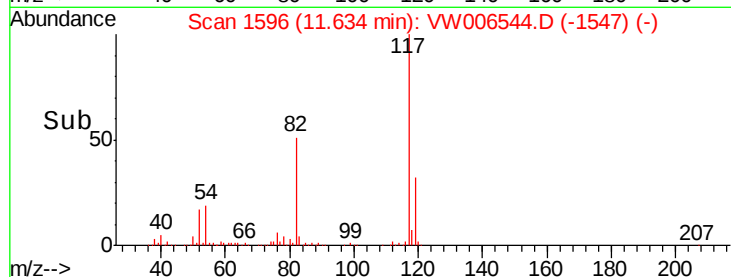
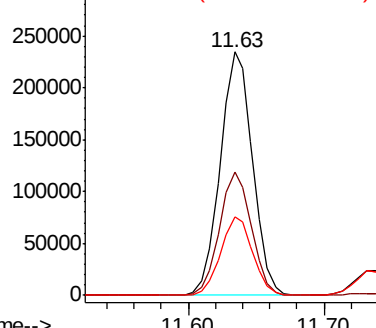
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 390049
Ion Ratio Lower Upper
117 100
82 50.6 40.8 61.2
119 32.4 26.1 39.1

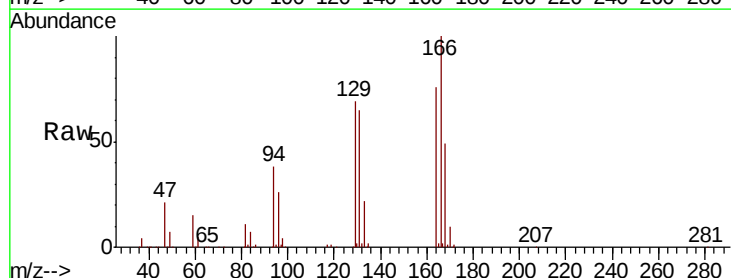


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

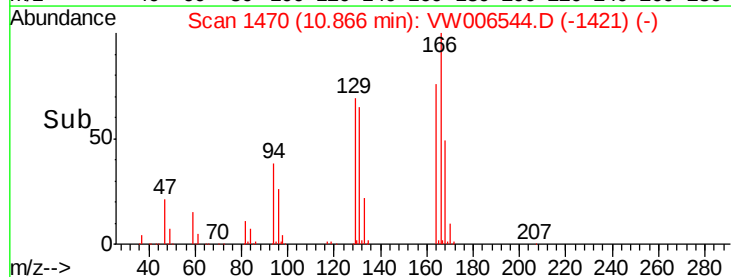
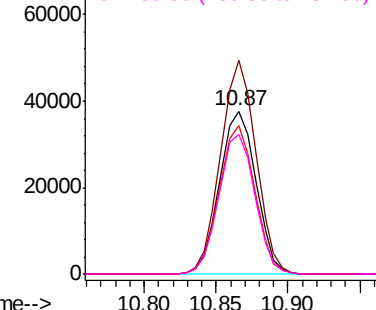


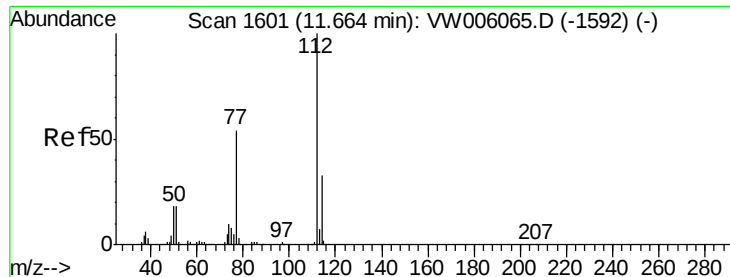
#64
Tetrachloroethene
Concen: 21.603 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion:164 Resp: 65919
Ion Ratio Lower Upper
164 100
166 131.1 102.8 154.2
129 90.9 70.9 106.3
131 85.8 67.0 100.6



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

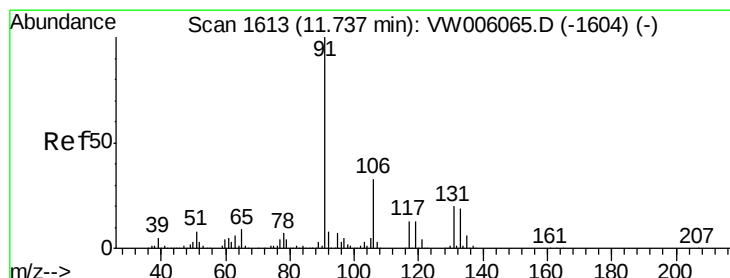
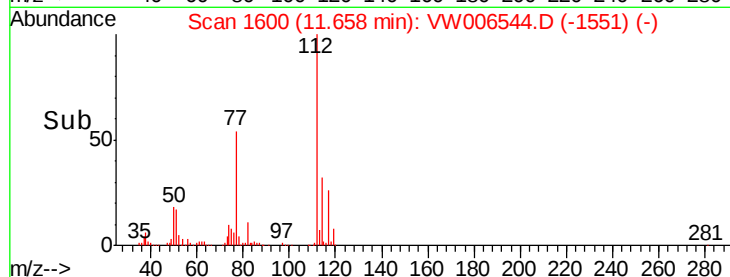
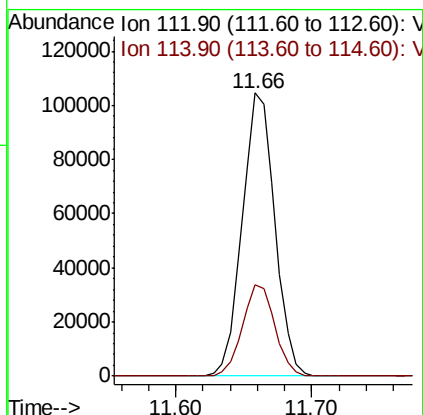
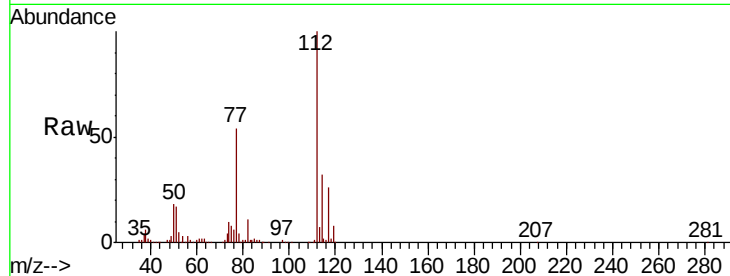




#65
Chlorobenzene
Concen: 20.933 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

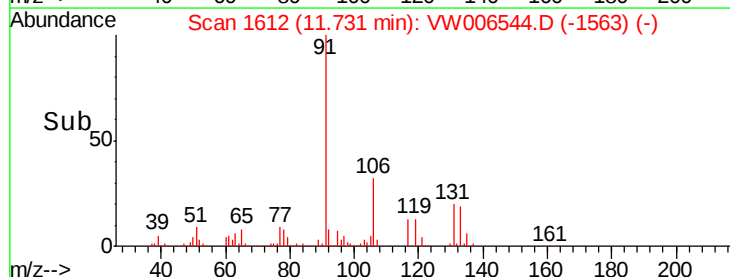
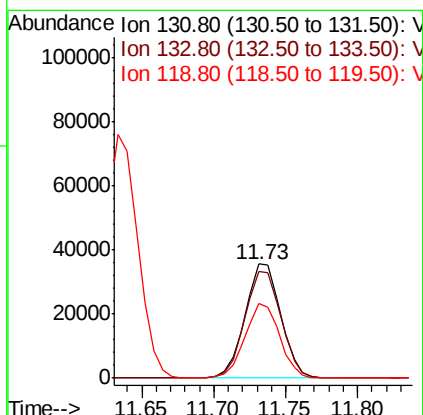
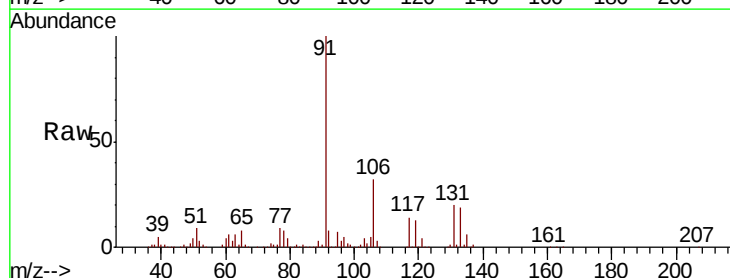
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

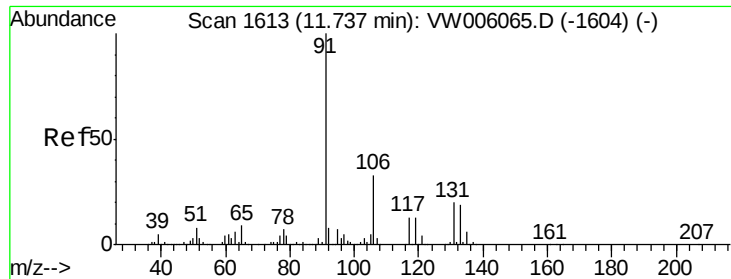
Tgt Ion:112 Resp: 175003
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.506 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion:131 Resp: 60740
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.5
119 64.2 31.9 95.5

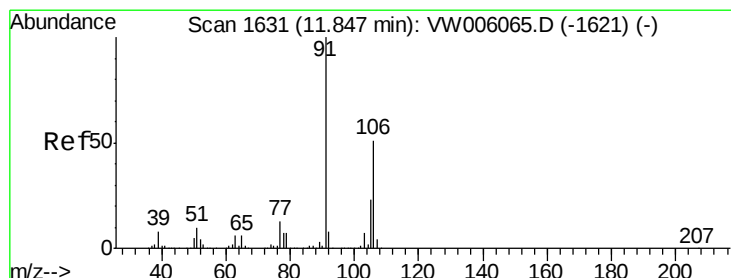
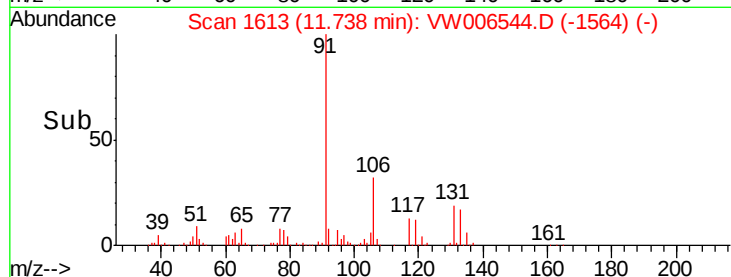
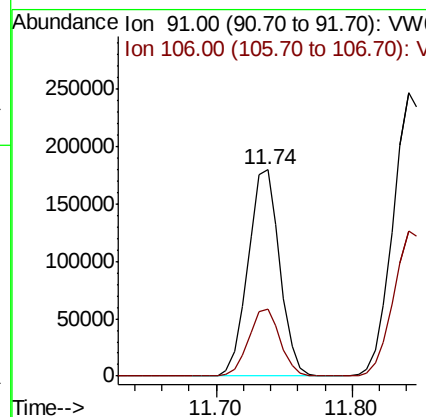
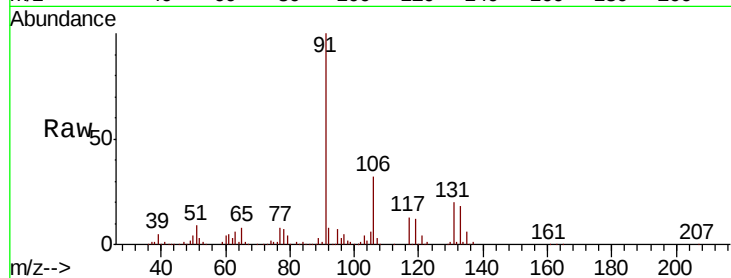




#67
Ethyl Benzene
Concen: 20.335 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

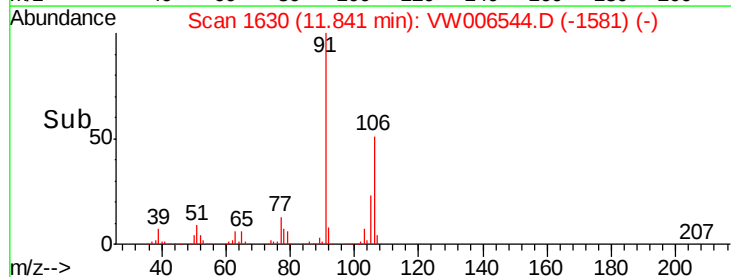
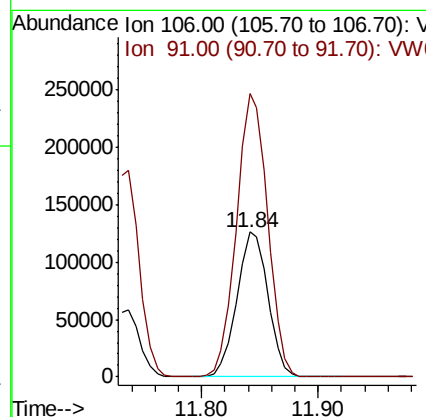
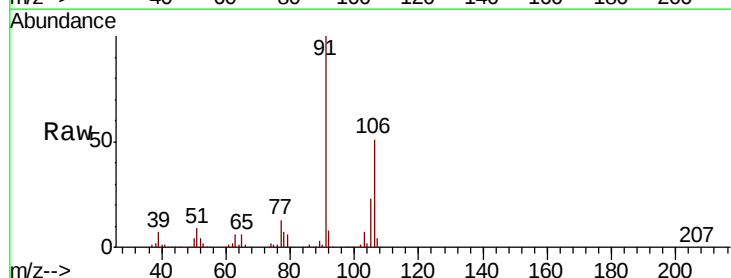
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

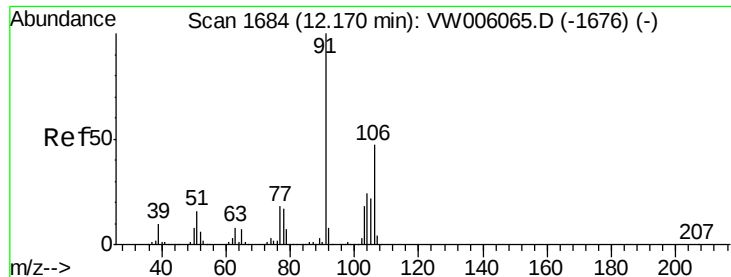
Tgt Ion: 91 Resp: 292977
Ion Ratio Lower Upper
91 100
106 32.4 26.3 39.5



#68
m/p-Xylenes
Concen: 41.087 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion: 106 Resp: 234452
Ion Ratio Lower Upper
106 100
91 196.4 156.7 235.1

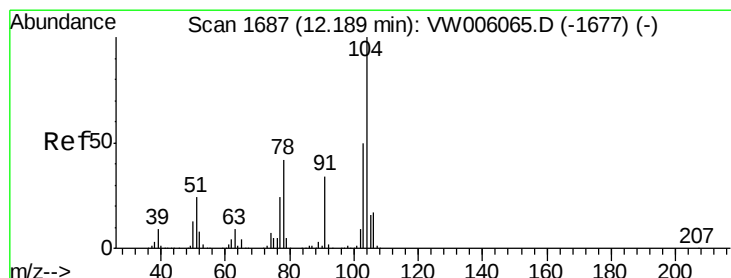
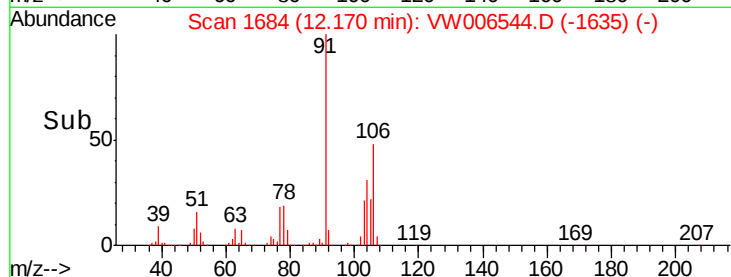
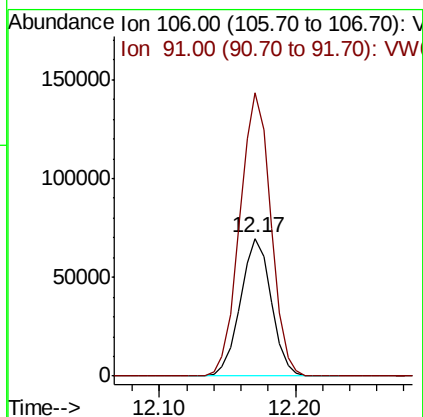
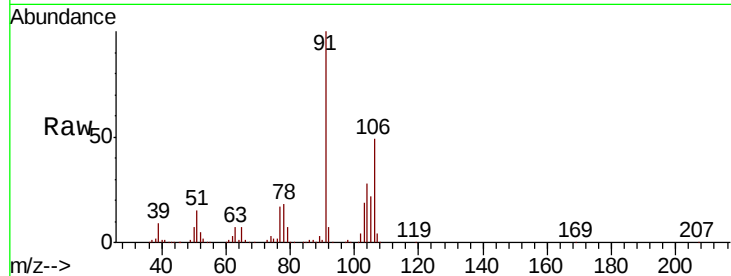




#69
o-Xylene
Concen: 20.285 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

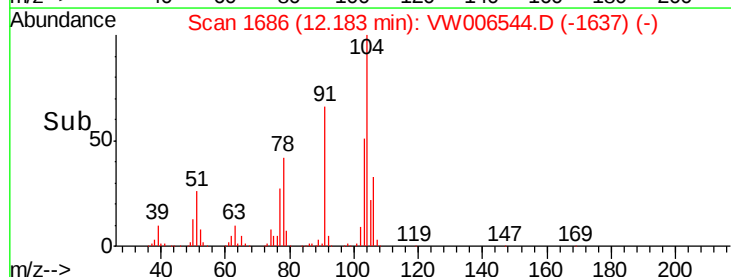
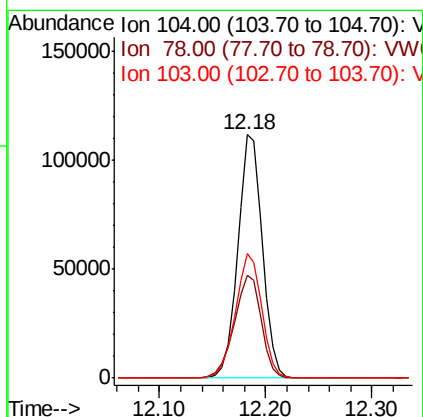
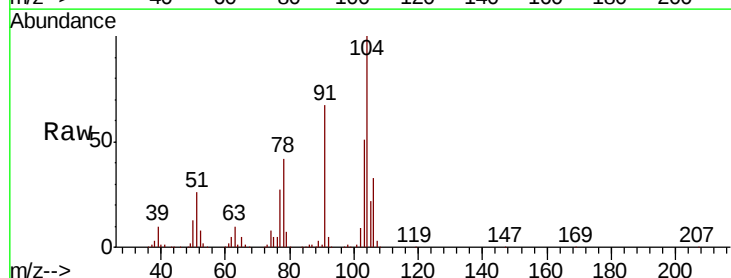
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

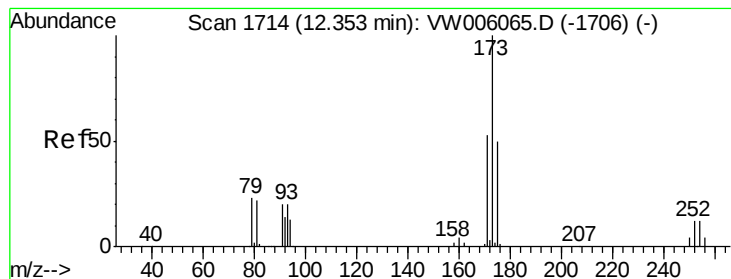
Tgt Ion:106 Resp: 110359
Ion Ratio Lower Upper
106 100
91 206.9 102.8 308.4



#70
Styrene
Concen: 20.397 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion:104 Resp: 180641
Ion Ratio Lower Upper
104 100
78 46.4 37.2 55.8
103 55.0 44.2 66.2





#71

Bromoform

Concen: 18.441 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

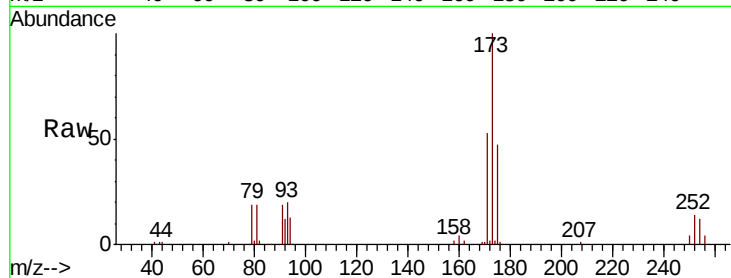
Tgt Ion:173 Resp: 30222

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.4

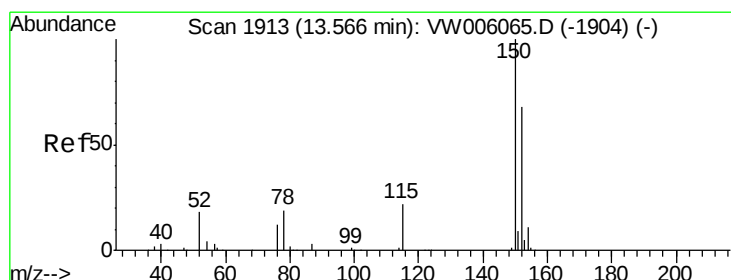
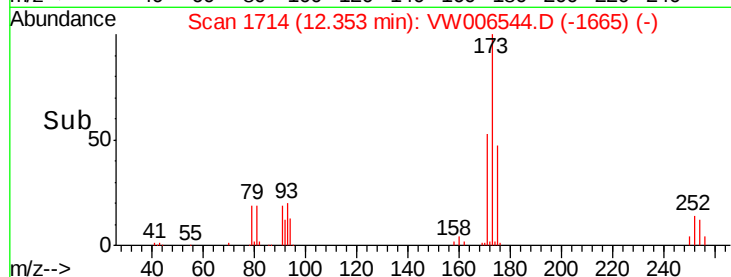
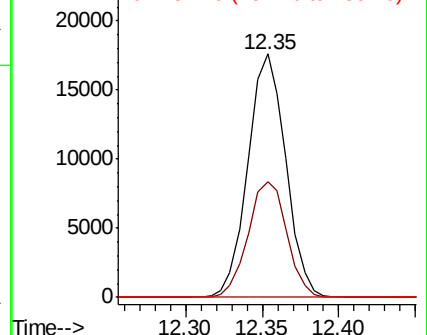
254 0.0 0.1 0.1#



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: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

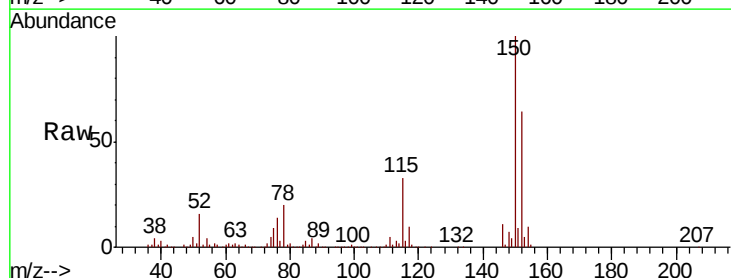
Tgt Ion:152 Resp: 219560

Ion Ratio Lower Upper

152 100

115 53.6 26.6 79.8

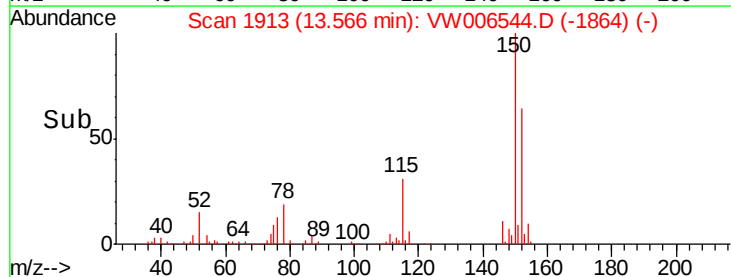
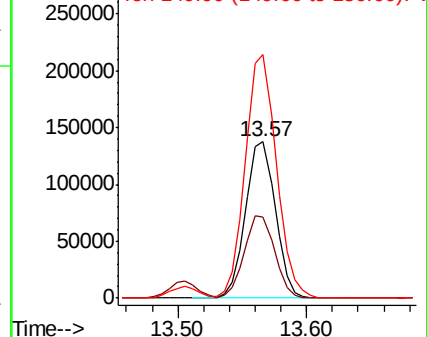
150 163.1 0.0 344.6

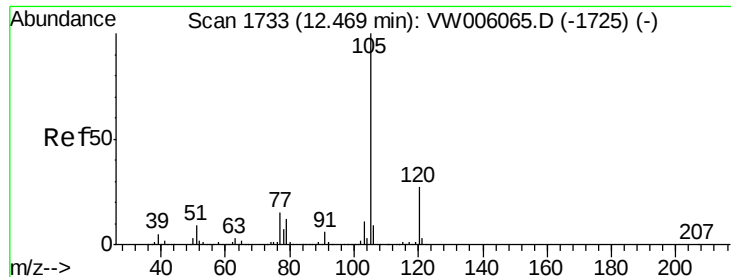


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.723 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

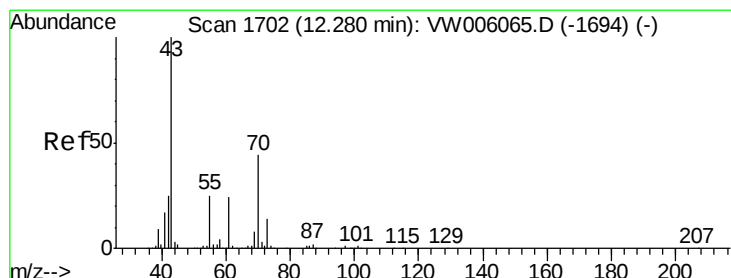
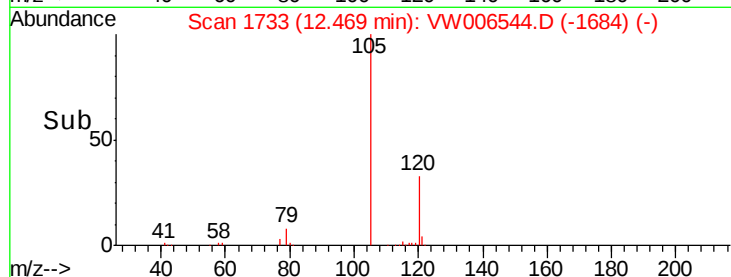
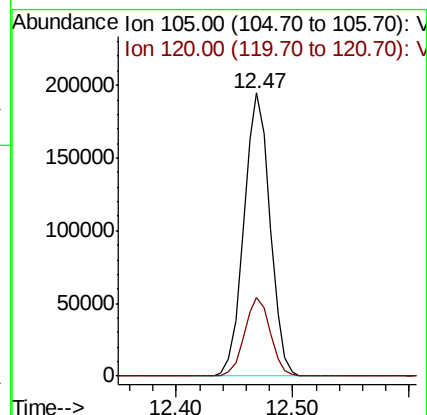
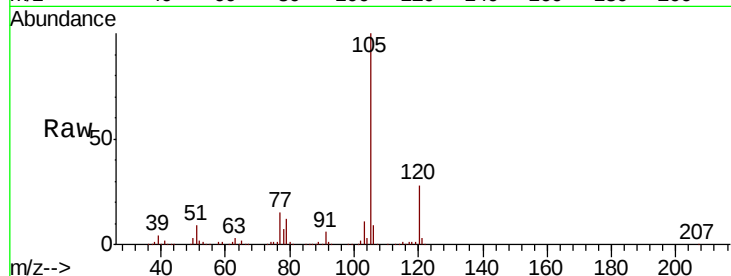
VSTDIC020

Tgt Ion: 105 Resp: 303665

Ion Ratio Lower Upper

105 100

120 27.4 13.7 41.1



#74

N-ethyl acetate

Concen: 16.915 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Tgt Ion: 43 Resp: 49709

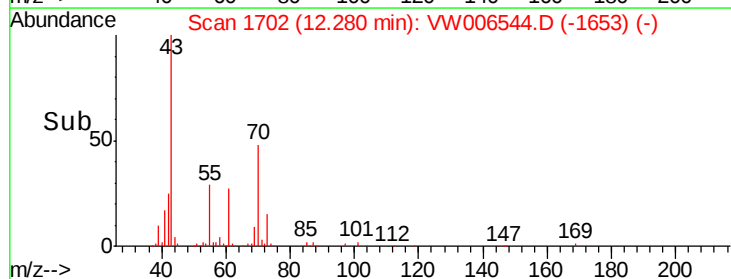
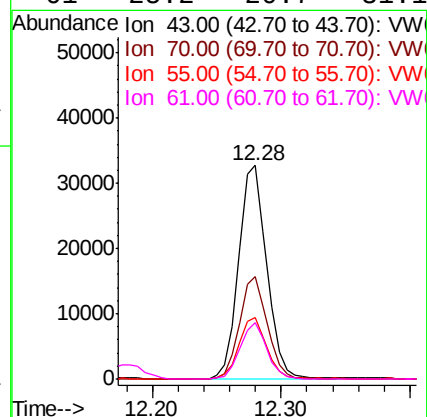
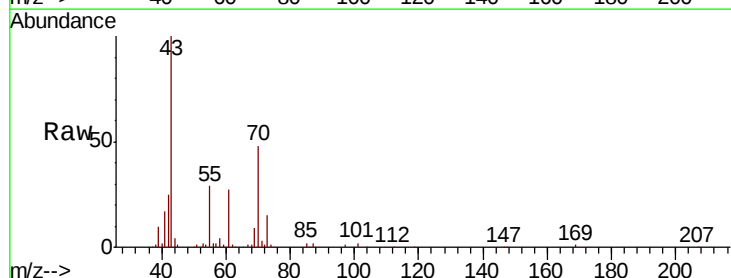
Ion Ratio Lower Upper

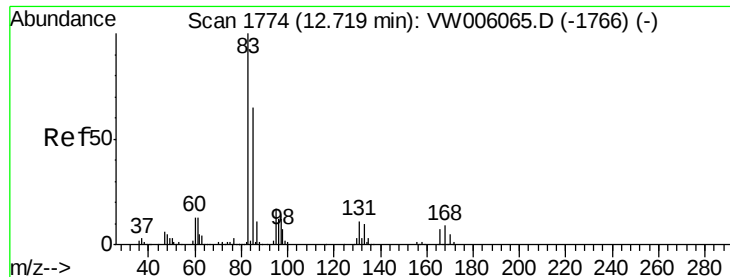
43 100

70 47.1 36.9 55.3

55 28.4 20.7 31.1

61 25.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.171 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

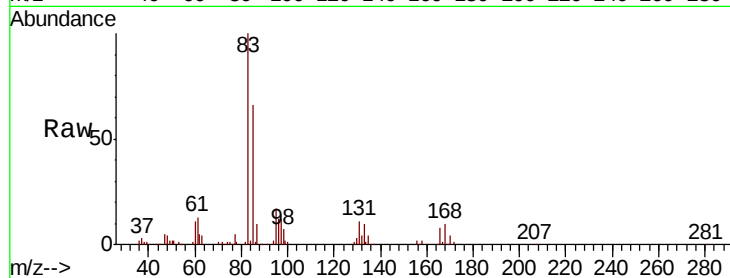
Tgt Ion: 83 Resp: 47247

Ion Ratio Lower Upper

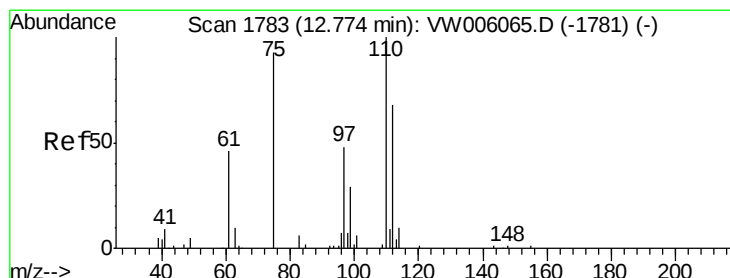
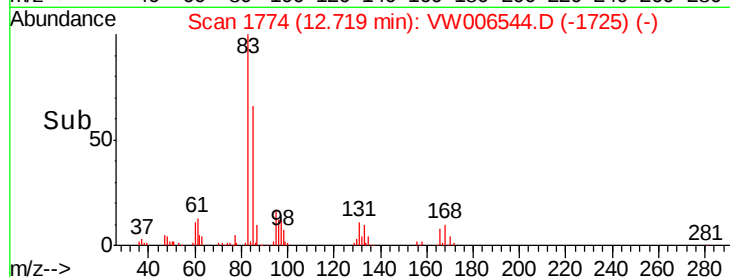
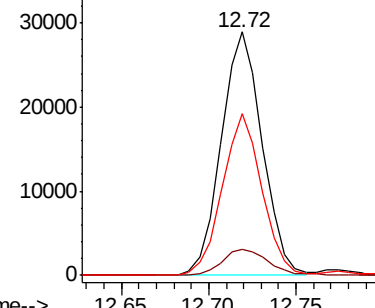
83 100

131 12.1 5.9 17.7

85 64.4 32.3 96.8



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: 34.622 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006544.D

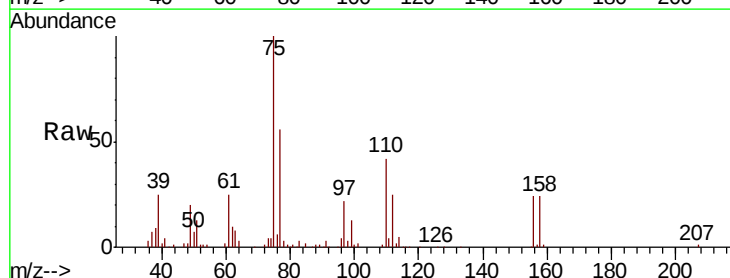
Acq: 01 Nov 2018 00:21

Tgt Ion: 75 Resp: 58824

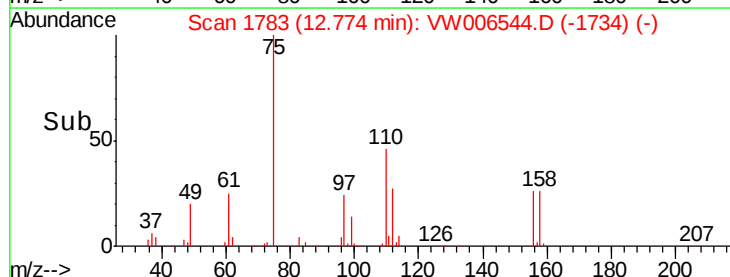
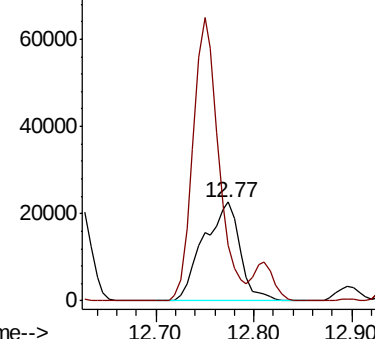
Ion Ratio Lower Upper

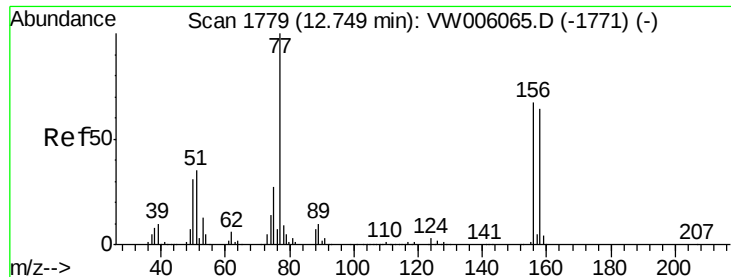
75 100

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

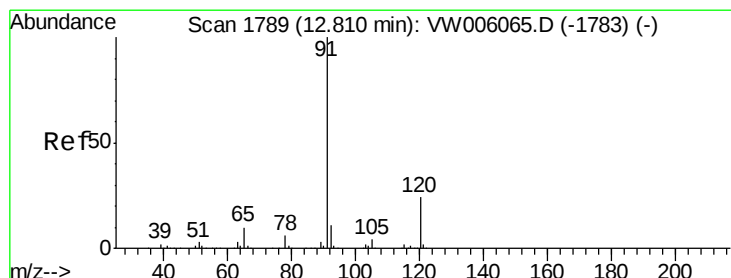
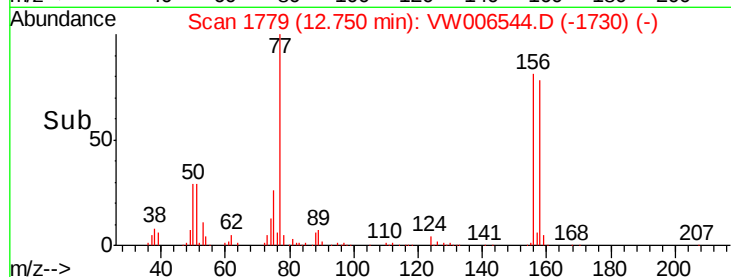
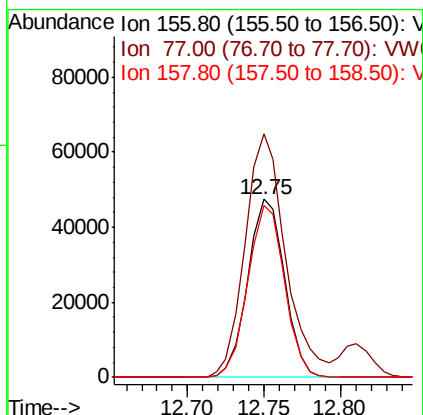
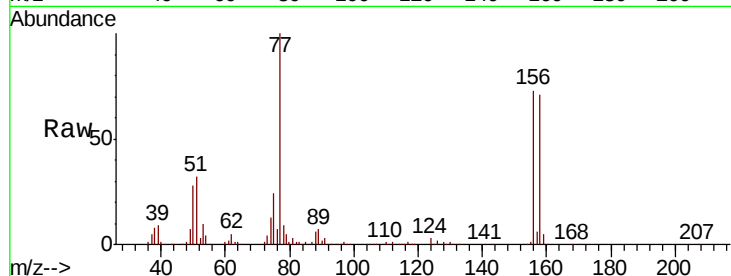




#77
Bromobenzene
Concen: 20.854 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

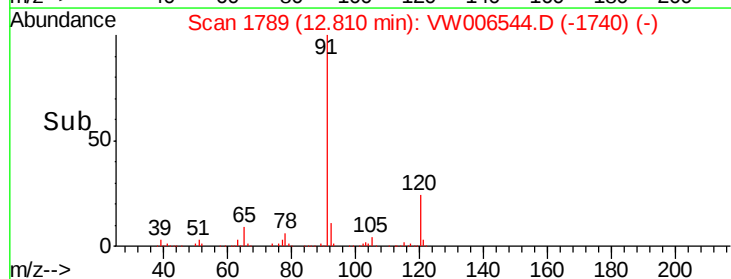
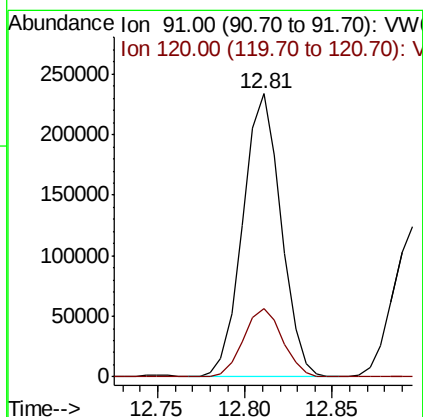
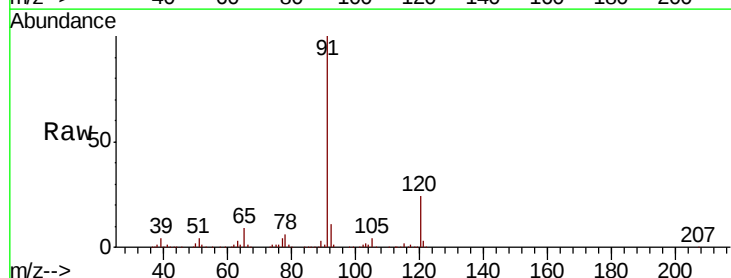
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

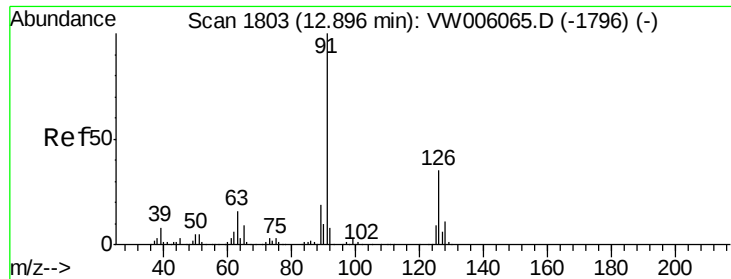
Tgt Ion: 156 Resp: 79135
Ion Ratio Lower Upper
156 100
77 151.0 75.9 227.8
158 96.7 48.6 145.9



#78
n-propylbenzene
Concen: 19.878 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion: 91 Resp: 354999
Ion Ratio Lower Upper
91 100
120 24.6 12.4 37.0





#79

2-Chlorotoluene

Concen: 20.268 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

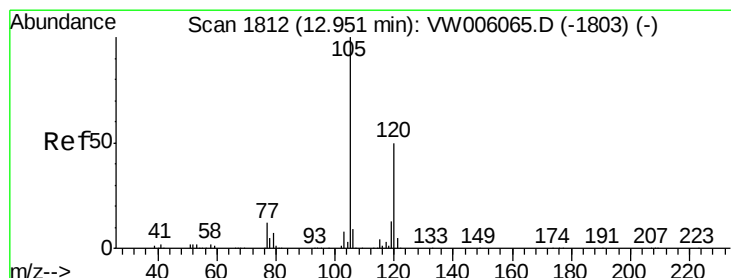
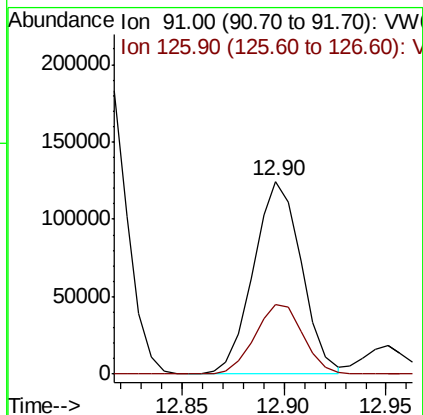
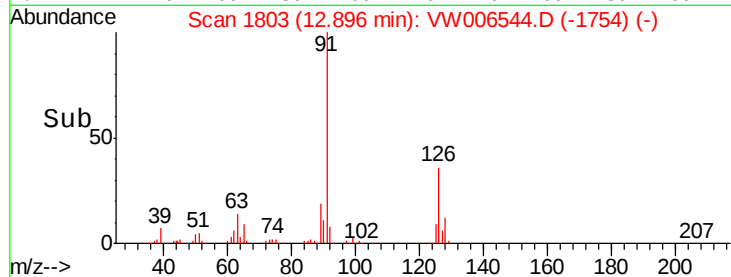
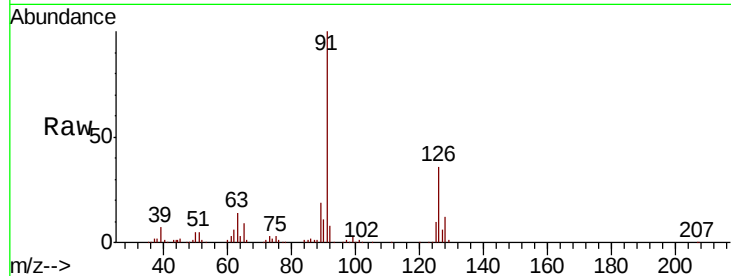
VSTDIC020

Tgt Ion: 91 Resp: 203544

Ion Ratio Lower Upper

91 100

126 36.7 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 20.156 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006544.D

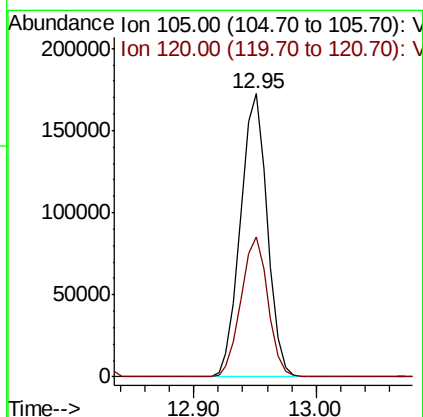
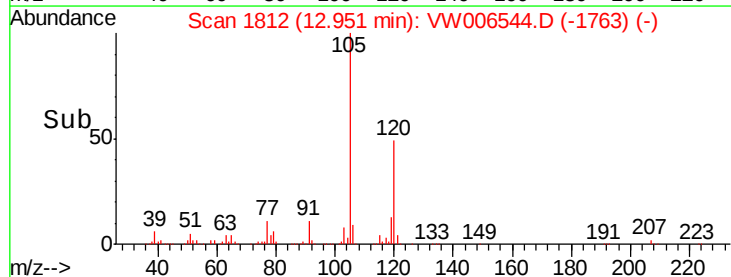
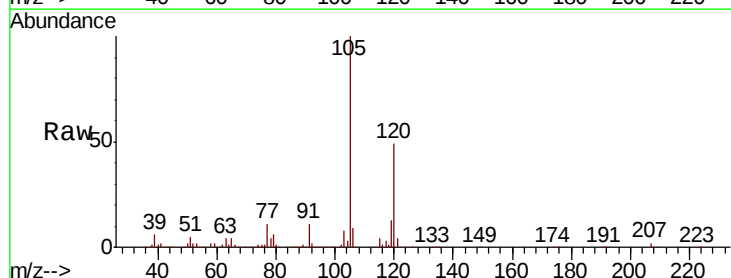
Acq: 01 Nov 2018 00:21

Tgt Ion: 105 Resp: 261235

Ion Ratio Lower Upper

105 100

120 49.6 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 17.070 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

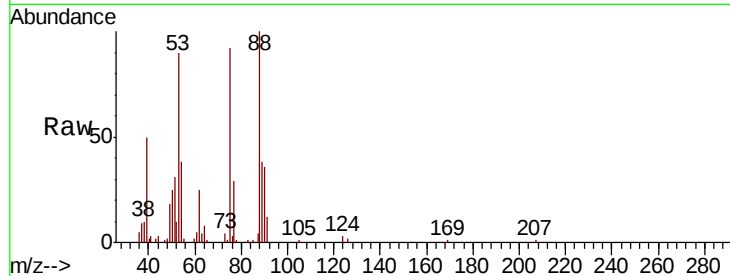
Tgt Ion: 75 Resp: 11742

Ion Ratio Lower Upper

75 100

53 99.7 77.2 115.8

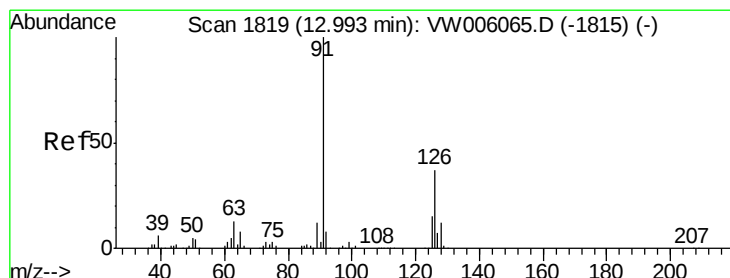
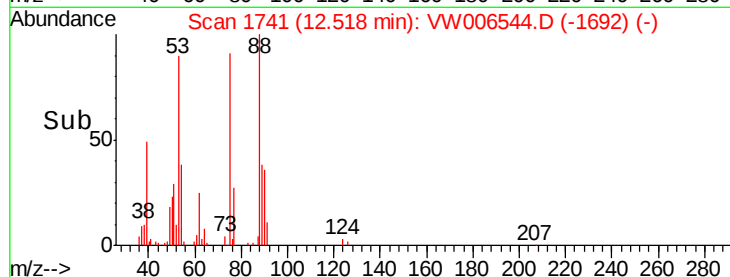
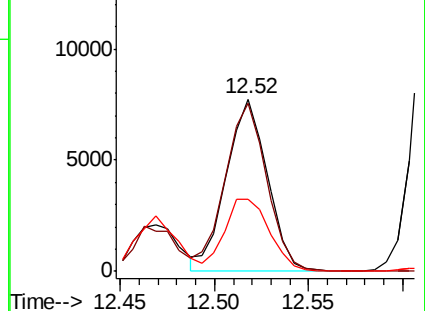
89 45.7 38.6 58.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.248 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006544.D

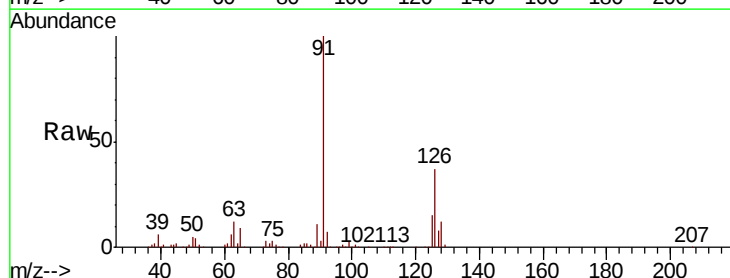
Acq: 01 Nov 2018 00:21

Tgt Ion: 91 Resp: 213835

Ion Ratio Lower Upper

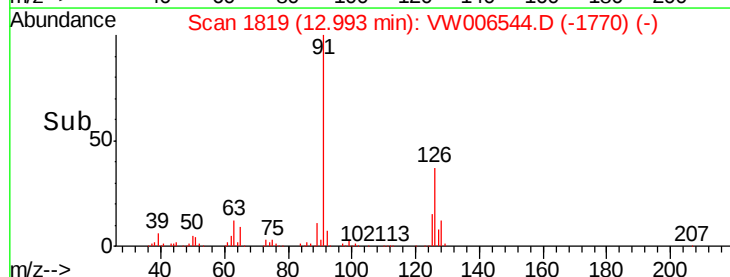
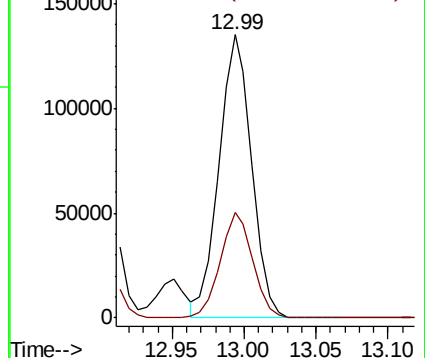
91 100

126 37.1 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

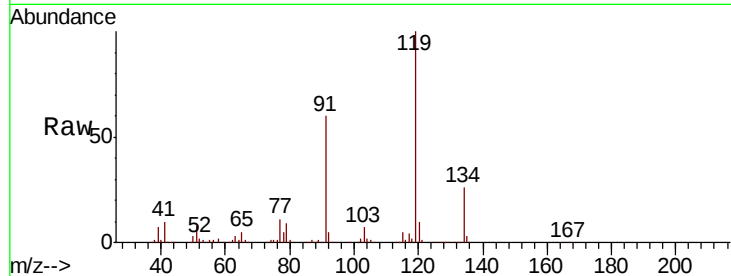




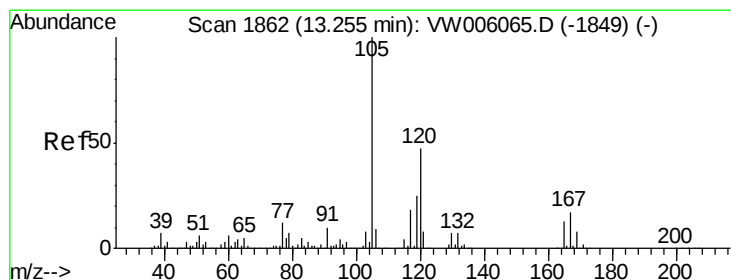
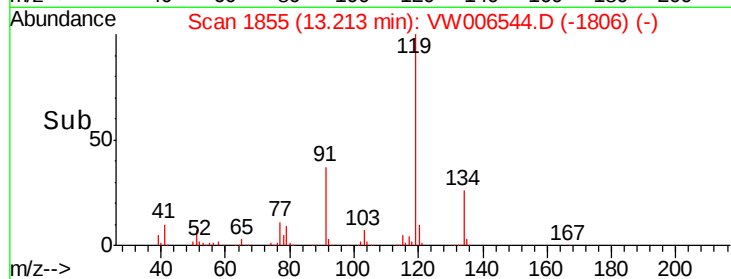
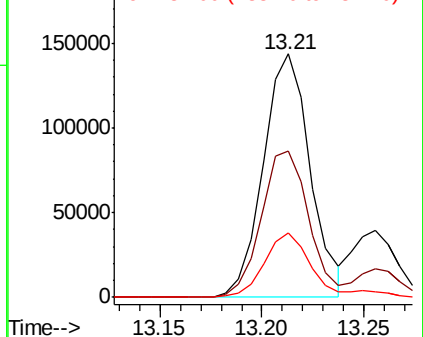
#83
 tert-Butylbenzene
 Concen: 19.880 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 230643
 Ion Ratio Lower Upper
 119 100
 91 60.8 30.4 91.3
 134 27.4 13.5 40.4

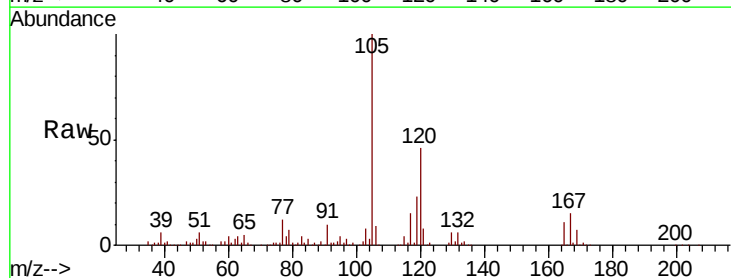


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

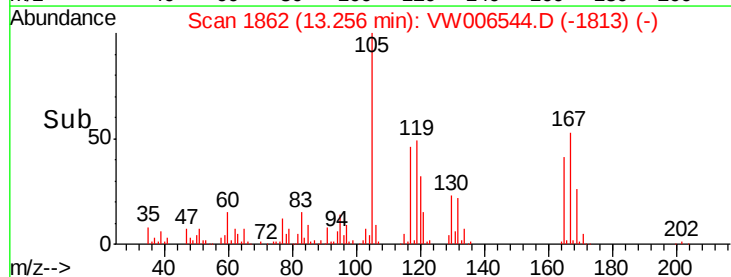
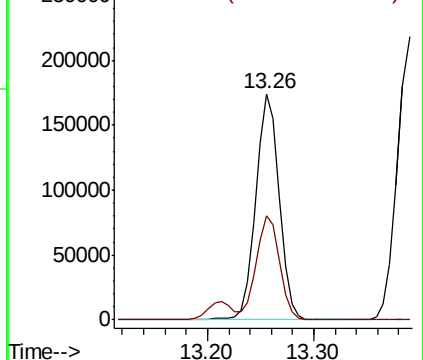


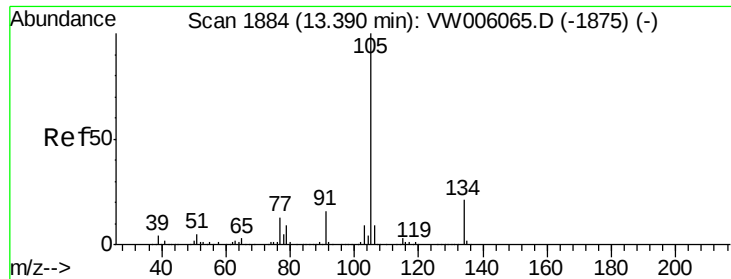
#84
 1,2,4-Trimethylbenzene
 Concen: 20.388 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

Tgt Ion:105 Resp: 268193
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.2 69.6



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

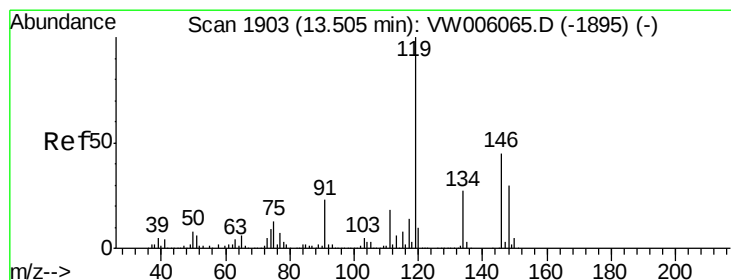
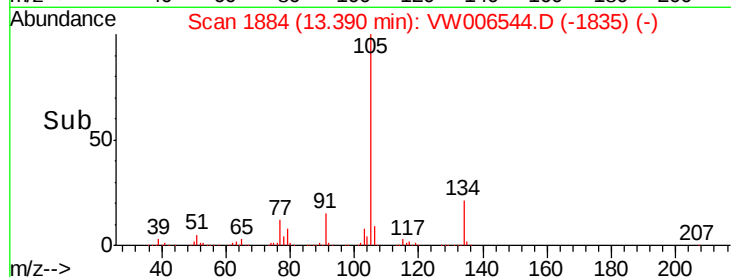
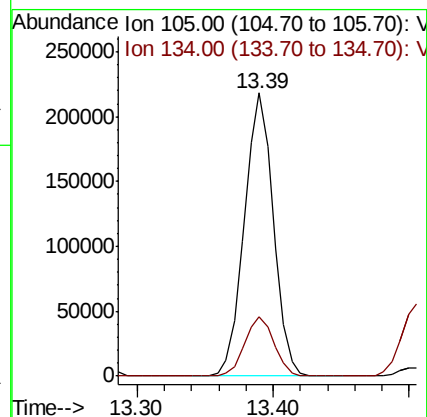
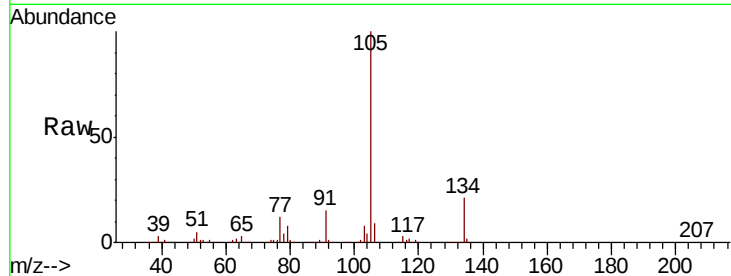




#85
 sec-Butylbenzene
 Concen: 19.907 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

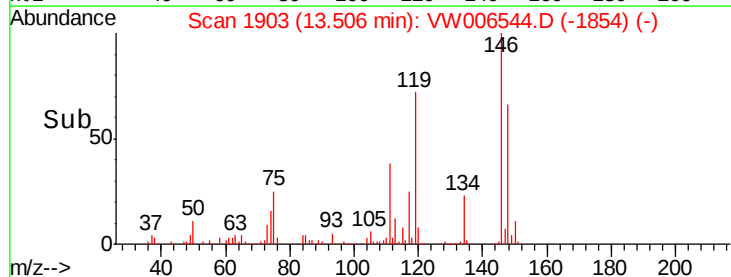
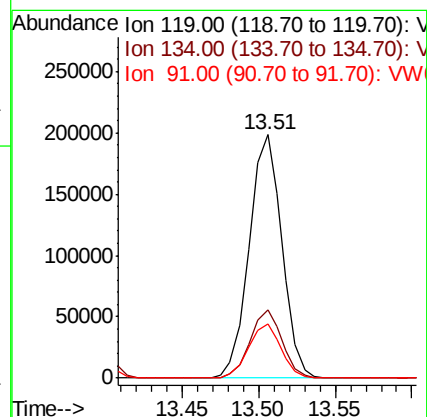
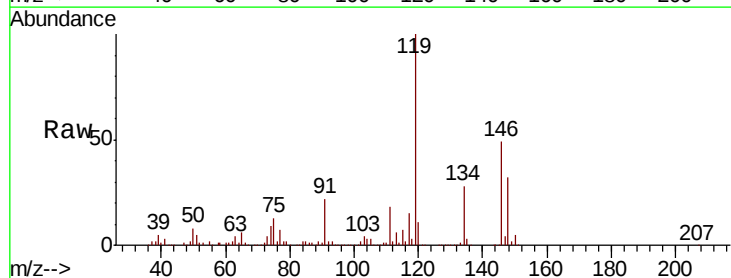
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

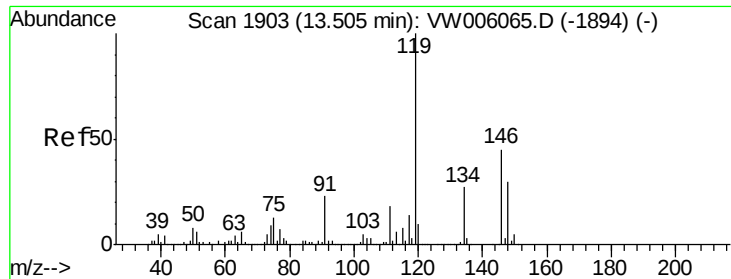
Tgt Ion:105 Resp: 325325
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 19.829 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

Tgt Ion:119 Resp: 293362
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.6 40.7
 91 22.3 10.9 32.6

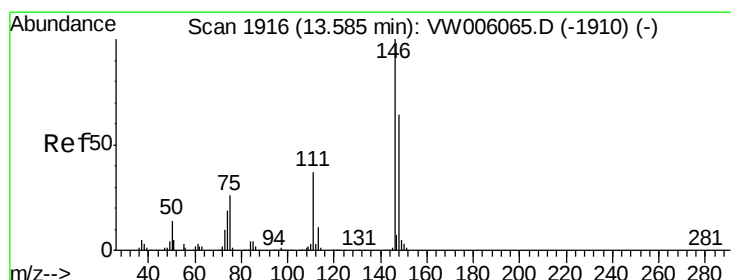
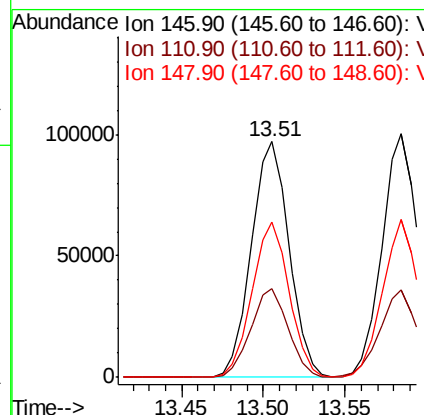
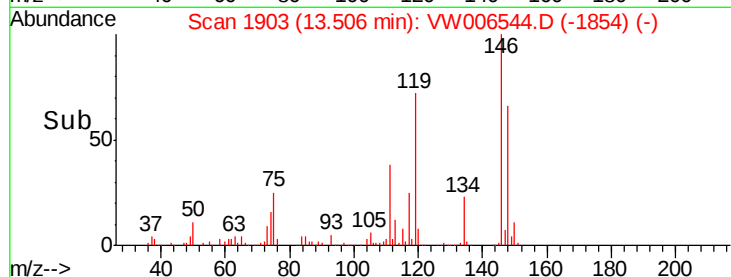
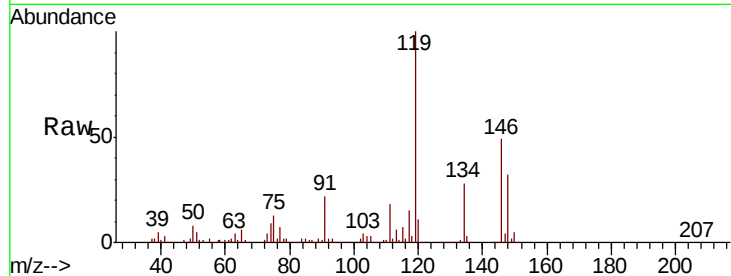




#87
 1,3-Dichlorobenzene
 Concen: 20.725 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

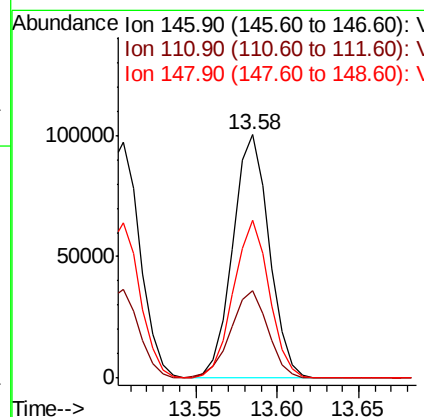
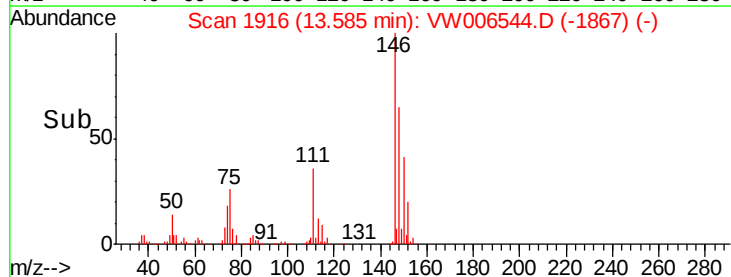
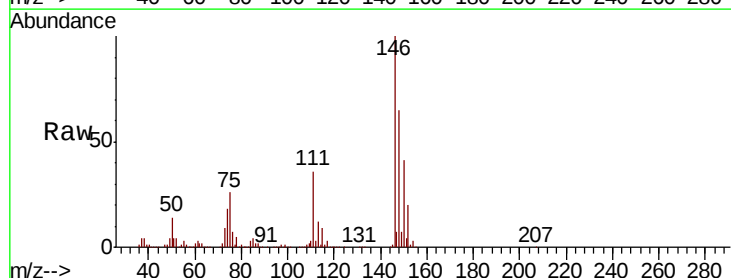
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

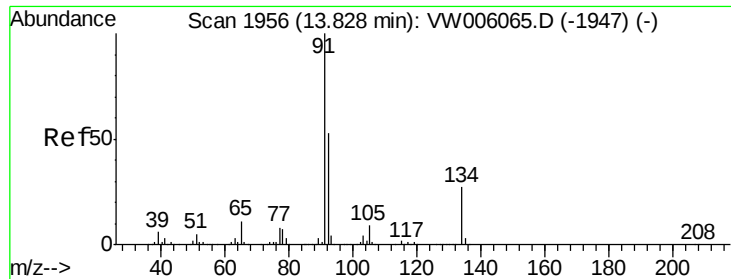
Tgt Ion:146 Resp: 156490
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.6
 148 64.6 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.795 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

Tgt Ion:146 Resp: 156231
 Ion Ratio Lower Upper
 146 100
 111 36.9 17.9 53.7
 148 63.7 32.1 96.5





#89

n-Butylbenzene

Concen: 19.552 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

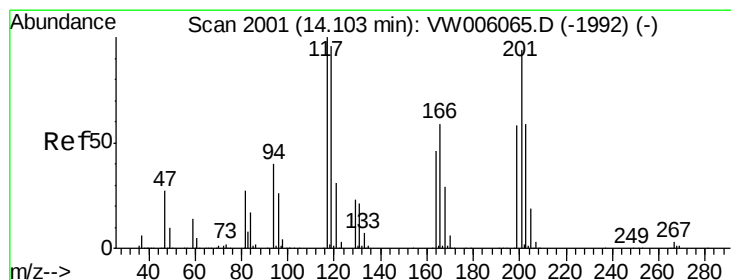
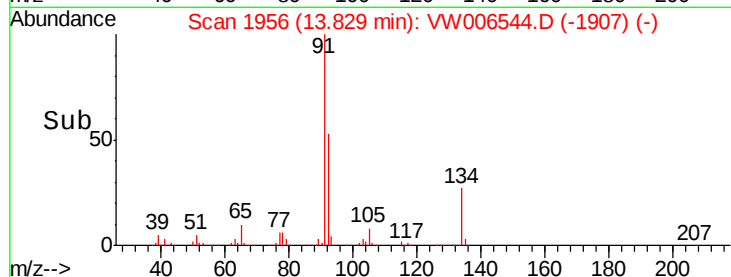
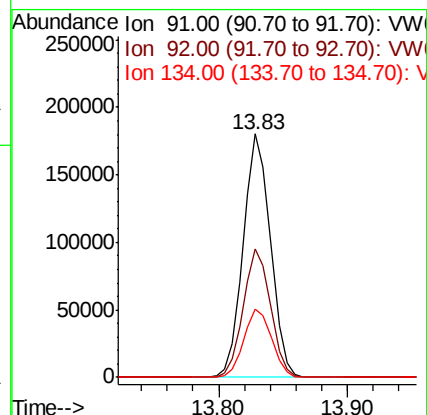
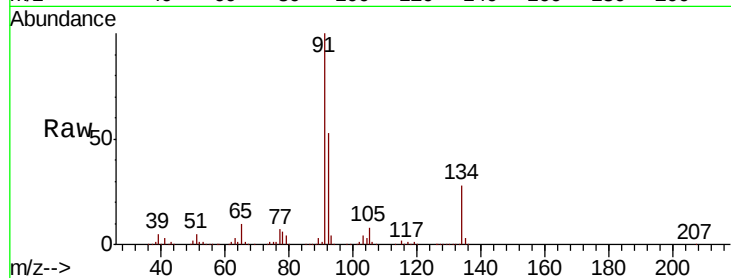
Tgt Ion: 91 Resp: 263807

Ion Ratio Lower Upper

91 100

92 52.4 26.4 79.0

134 28.6 14.3 42.9



#90

Hexachloroethane

Concen: 18.747 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006544.D

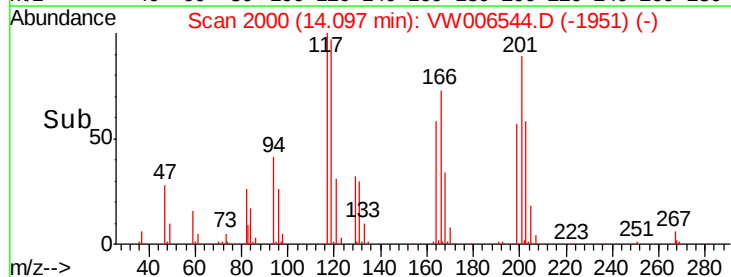
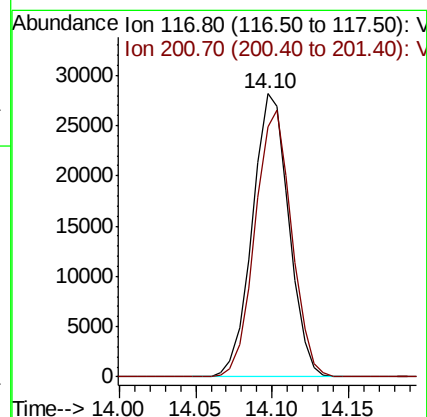
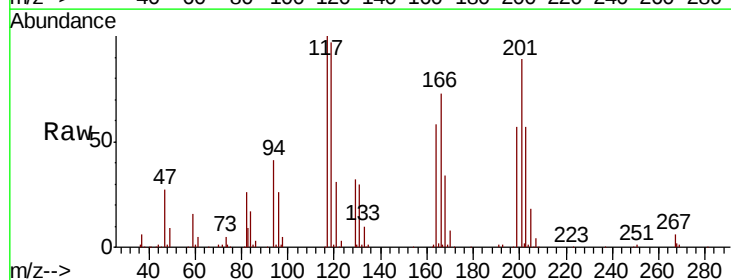
Acq: 01 Nov 2018 00:21

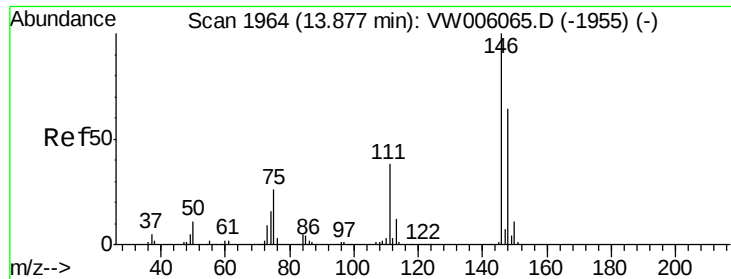
Tgt Ion: 117 Resp: 46745

Ion Ratio Lower Upper

117 100

201 94.4 46.8 140.3





#91

1,2-Dichlorobenzene

Concen: 20.910 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

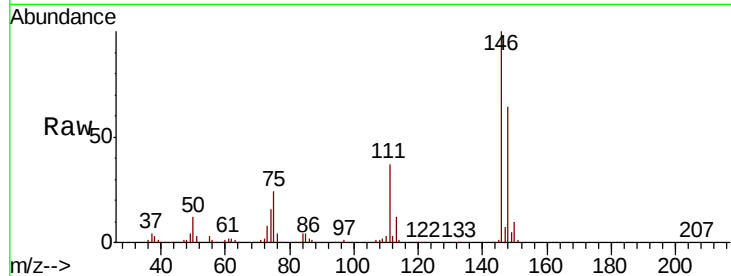
Tgt Ion:146 Resp: 140873

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.5

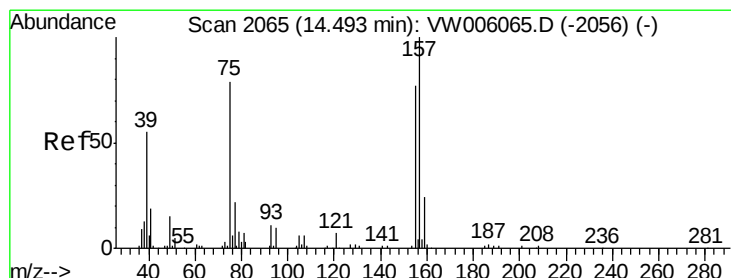
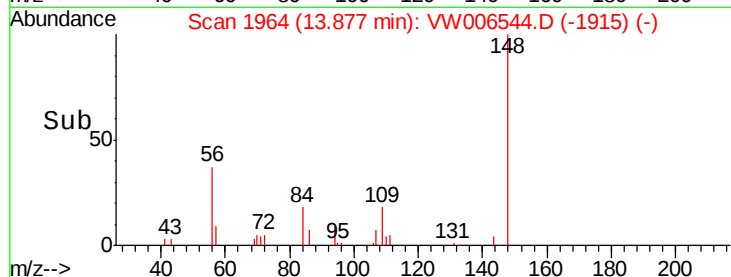
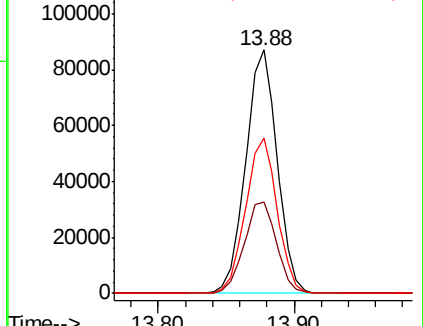
148 64.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.884 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006544.D

Acq: 01 Nov 2018 00:21

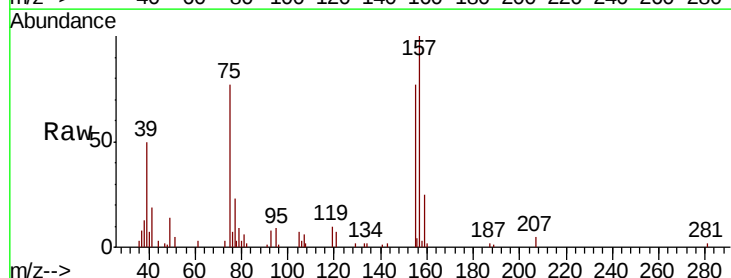
Tgt Ion: 75 Resp: 7389

Ion Ratio Lower Upper

75 100

155 96.6 50.6 151.8

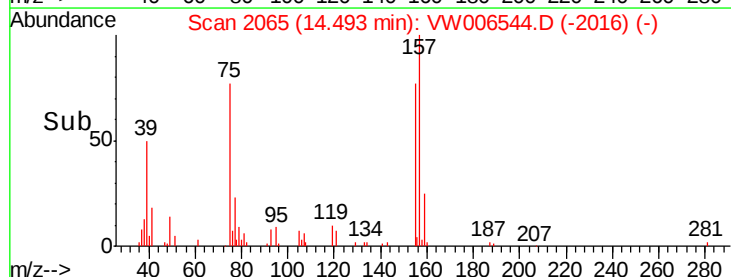
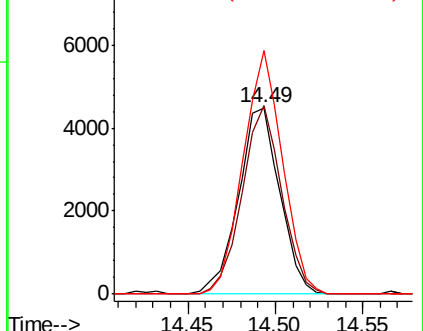
157 124.0 65.0 195.0

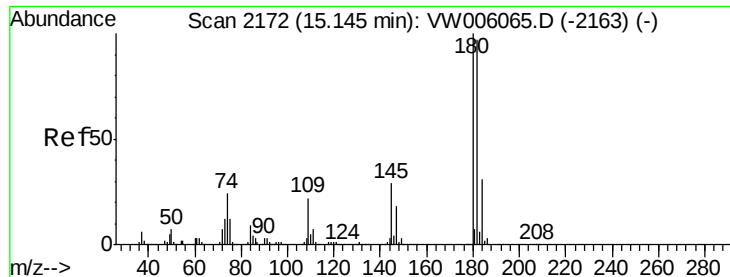


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

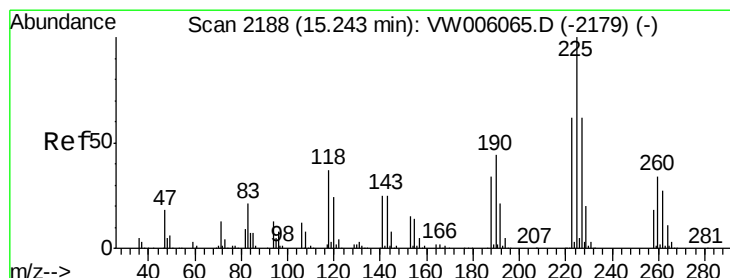
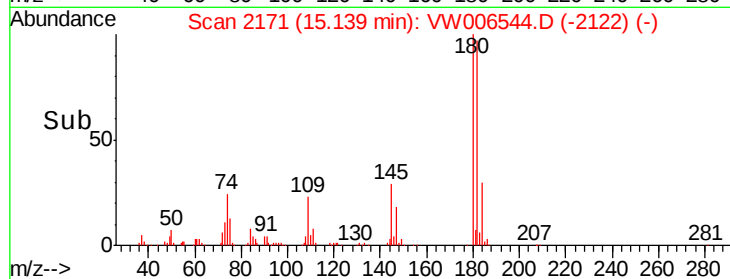
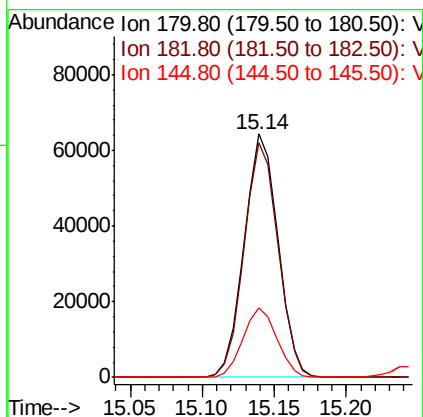
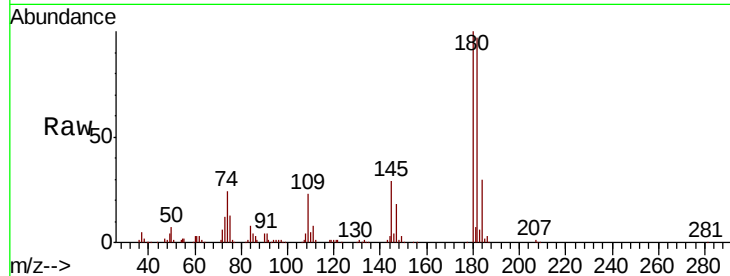




#93
 1,2,4-Trichlorobenzene
 Concen: 20.170 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

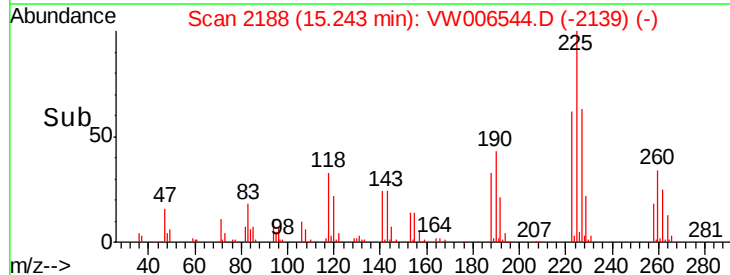
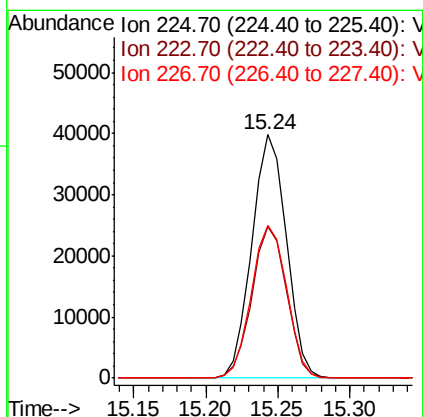
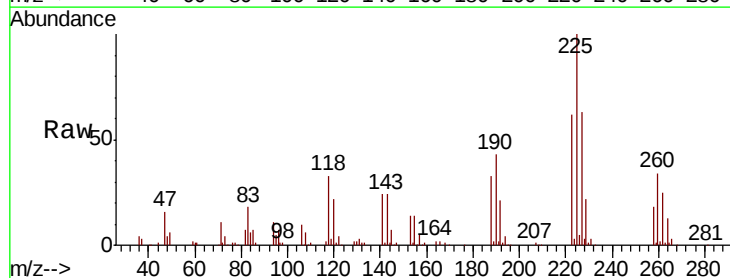
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

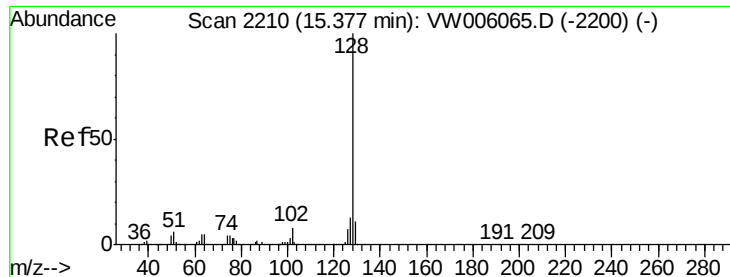
Tgt Ion:180 Resp: 104635
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.5 142.6
 145 28.7 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 20.394 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006544.D
 Acq: 01 Nov 2018 00:21

Tgt Ion:225 Resp: 66036
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.4 94.2
 227 64.2 32.2 96.6

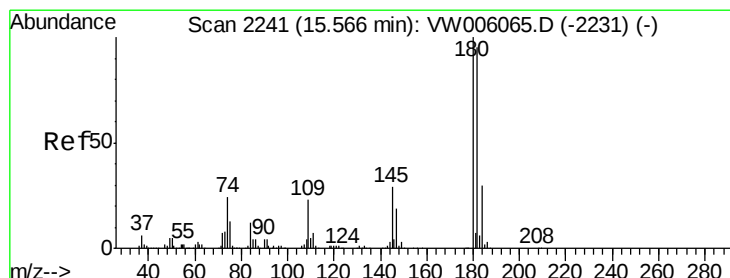
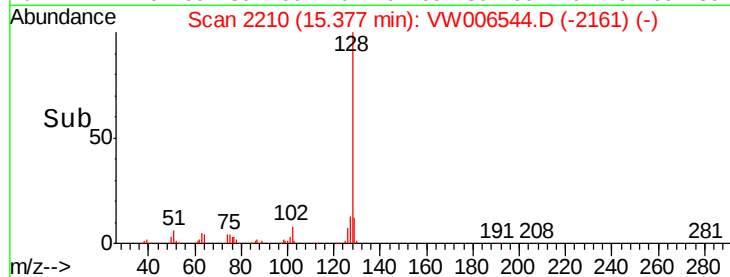
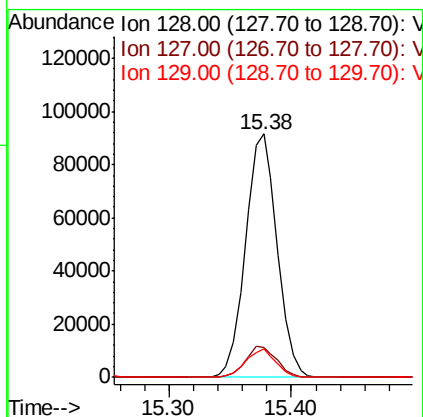
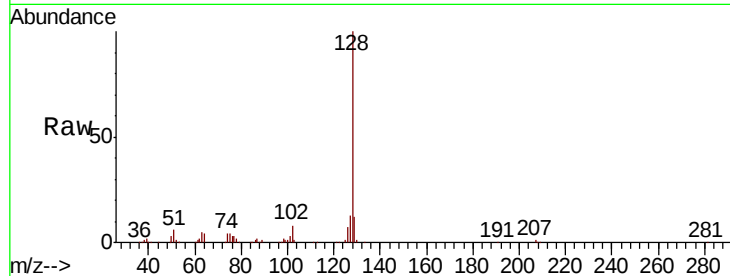




#95
Naphthalene
Concen: 19.040 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 163665
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.611 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006544.D
Acq: 01 Nov 2018 00:21

Tgt Ion:180 Resp: 92615
Ion Ratio Lower Upper
180 100
182 95.3 48.2 144.6
145 29.6 14.9 44.5

