

Data File : VW007181.D
Acq On : 04 Dec 2018 12:04
Operator : SY/AP
Sample : VSTDIC020
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Quant Time: Dec 05 00:47:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 00:43:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	113940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	175997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	158562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	82279	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	19951	18.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.62%	
35) Dibromofluoromethane	7.89	113	19002	18.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.72%	
50) Toluene-d8	10.33	98	83013	18.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.40%	
62) 4-Bromofluorobenzene	12.62	95	31697	18.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	27016	21.672	ug/l	99
3) Chloromethane	2.22	50	34603	21.919	ug/l	98
4) Vinyl Chloride	2.36	62	20551	20.792	ug/l	96
5) Bromomethane	2.75	94	9316	18.809	ug/l	98
6) Chloroethane	2.91	64	11195	20.186	ug/l	95
7) Trichlorofluoromethane	3.26	101	40278	20.901	ug/l	96
8) Diethyl Ether	3.68	74	11389	21.202	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	24293	20.868	ug/l	99
10) Methyl Iodide	4.27	142	18123	18.275	ug/l	99
11) Tert butyl alcohol	5.17	59	12704	102.607	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	22623	20.737	ug/l	96
13) Acrolein	3.90	56	7894	106.200	ug/l	97
14) Allyl chloride	4.67	41	35274	20.172	ug/l	100
15) Acrylonitrile	5.37	53	22985	102.357	ug/l	98
16) Acetone	4.13	43	23489	93.532	ug/l	98
17) Carbon Disulfide	4.38	76	73367	20.402	ug/l	100
18) Methyl Acetate	4.68	43	12185	21.256	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	53127	20.684	ug/l	95
20) Methylene Chloride	4.92	84	31425	21.042	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	25068	20.579	ug/l	91
22) Diisopropyl ether	6.32	45	64477	20.540	ug/l	99
23) Vinyl Acetate	6.26	43	176433	103.004	ug/l	99
24) 1,1-Dichloroethane	6.22	63	41461	20.607	ug/l	99
25) 2-Butanone	7.18	43	28991	99.586	ug/l	97
26) 2,2-Dichloropropane	7.17	77	38675	20.003	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	26517	20.306	ug/l	98
28) Bromochloromethane	7.52	49	14944	20.598	ug/l	98
29) Tetrahydrofuran	7.54	42	18684	103.860	ug/l	99
30) Chloroform	7.68	83	42883	20.508	ug/l	99
31) Cyclohexane	7.96	56	43763	20.788	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	39929	20.291	ug/l	99
36) 1,1-Dichloropropene	8.09	75	35916	20.973	ug/l	99
37) Ethyl Acetate	7.26	43	12686	20.479	ug/l	100
38) Carbon Tetrachloride	8.07	117	35286	20.188	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	46798	20.414	ug/l	95
40) Benzene	8.32	78	96479	20.546	ug/l	96
41) Methacrylonitrile	7.49	41	7628	20.559	ug/l	99
42) 1,2-Dichloroethane	8.40	62	26691	20.338	ug/l	99
43) Isopropyl Acetate	8.43	43	24607	20.453	ug/l	100
44) Trichloroethene	9.09	130	27342	20.714	ug/l	98
45) 1,2-Dichloropropane	9.37	63	22854	20.914	ug/l	100
46) Dibromomethane	9.46	93	11875	20.913	ug/l	95
47) Bromodichloromethane	9.65	83	30552	20.455	ug/l	99
48) Methyl methacrylate	9.44	41	11736	18.795	ug/l	91
49) 1,4-Dioxane	9.45	88	3950	398.210	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	58730	99.058	ug/l	100
52) Toluene	10.39	92	65767	20.134	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	30542	20.338	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	35593	20.225	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	17363	21.497	ug/l	92
56) Ethyl methacrylate	10.65	69	20949	19.884	ug/l	95
57) 1,3-Dichloropropane	10.93	76	28472	20.880	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	48158	113.799	ug/l	99
59) 2-Hexanone	10.97	43	43754	101.802	ug/l	96
60) Dibromochloromethane	11.13	129	20162	20.310	ug/l	98
61) 1,2-Dibromoethane	11.24	107	16201	20.913	ug/l	97
64) Tetrachloroethene	10.87	164	23747	20.498	ug/l	95
65) Chlorobenzene	11.66	112	71677	20.240	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.73	131	22892	20.931	ug/l	98
67) Ethyl Benzene	11.73	91	134090	20.775	ug/l	94
68) m/p-Xylenes	11.84	106	107212	42.342	ug/l	99
69) o-Xylene	12.17	106	47956	20.271	ug/l	98
70) Styrene	12.18	104	77915	20.120	ug/l	99
71) Bromoform	12.35	173	11380	20.786	ug/l #	97
73) Isopropylbenzene	12.47	105	129327	19.326	ug/l	98
74) N-amyl acetate	12.27	43	22886	19.289	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	16722	19.240	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	25059	22.660	ug/l #	100
77) Bromobenzene	12.75	156	28522	19.745	ug/l	99
78) n-propylbenzene	12.80	91	157533	19.759	ug/l	98
79) 2-Chlorotoluene	12.90	91	87996	19.545	ug/l	95
80) 1,3,5-Trimethylbenzene	12.95	105	113311	19.793	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	5466	18.492	ug/l	92
82) 4-Chlorotoluene	12.99	91	98331	20.530	ug/l	96
83) tert-Butylbenzene	13.21	119	98000	19.588	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	119212	20.400	ug/l	99
85) sec-Butylbenzene	13.39	105	146696	20.539	ug/l	96
86) p-Isopropyltoluene	13.51	119	128635	20.232	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	61764	20.829	ug/l	94
88) 1,4-Dichlorobenzene	13.58	146	60771	20.289	ug/l	96
89) n-Butylbenzene	13.83	91	117671	19.805	ug/l	99
90) Hexachloroethane	14.10	117	18282	18.869	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	51163	19.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3343	19.856	ug/l	95

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

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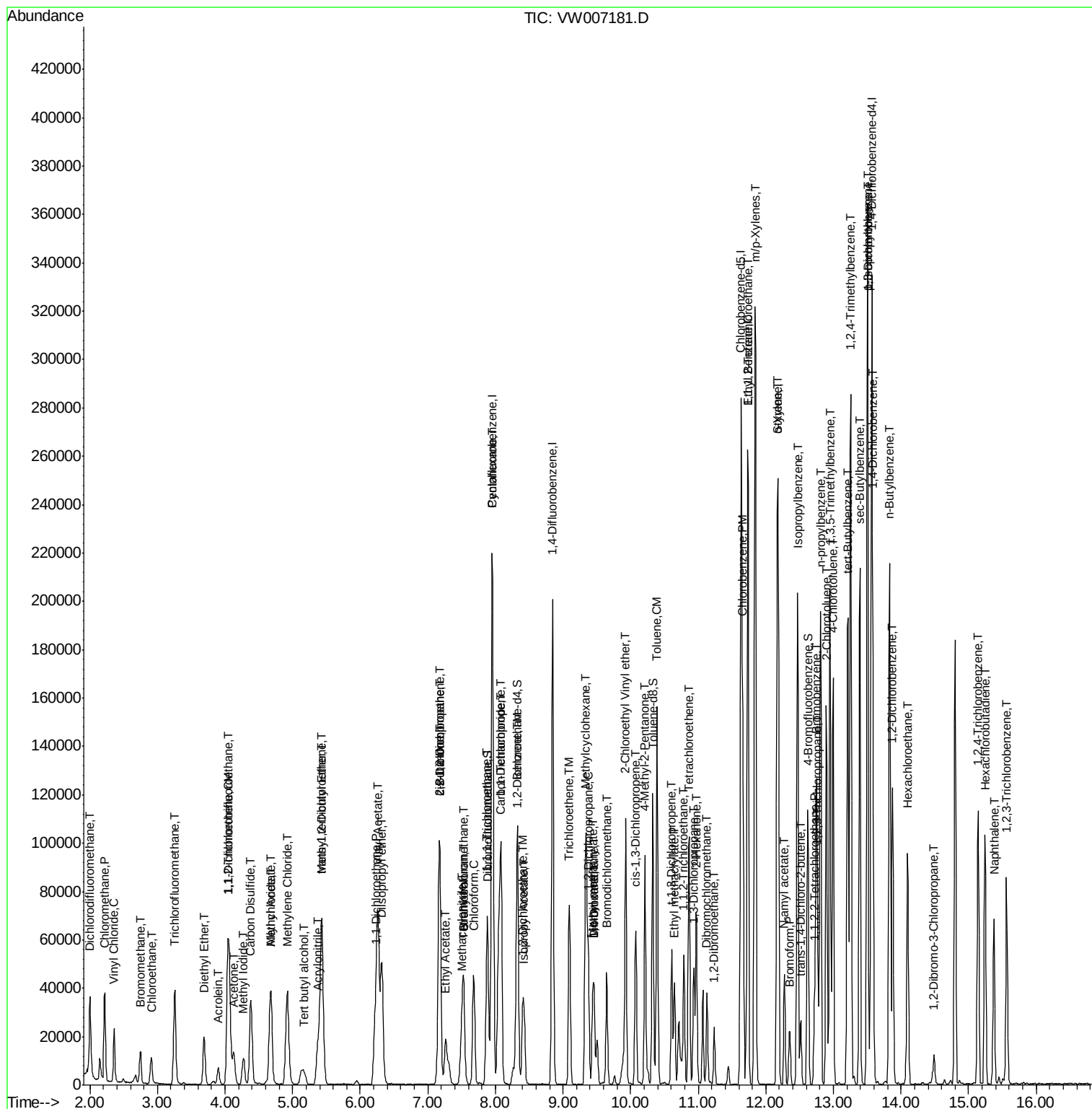
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	35774	20.109	ug/l	99
94) Hexachlorobutadiene	15.24	225	19503	20.329	ug/l	97
95) Naphthalene	15.38	128	62317	19.545	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	29754	19.834	ug/l	99

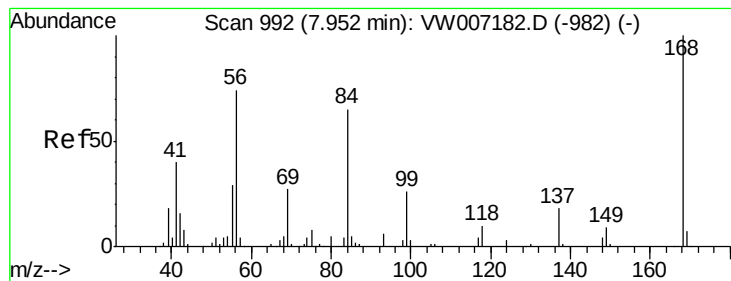
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

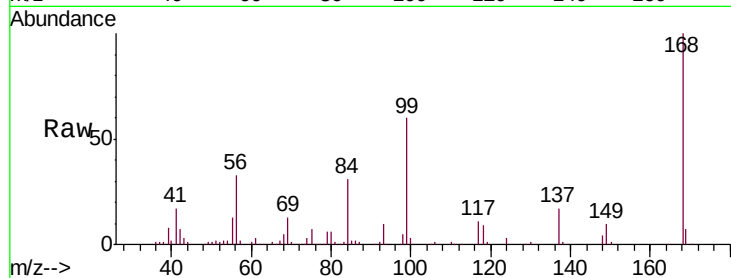
VSTDIC020

Tgt Ion:168 Resp: 113940

Ion Ratio Lower Upper

168 100

99 59.9 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

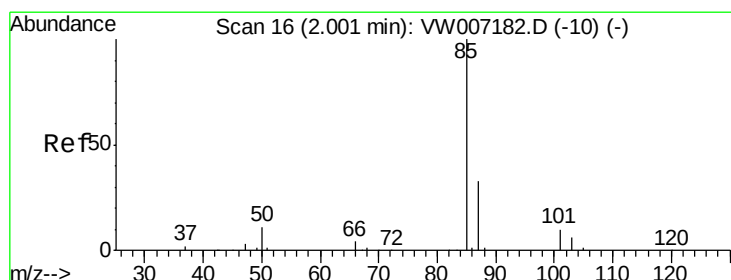
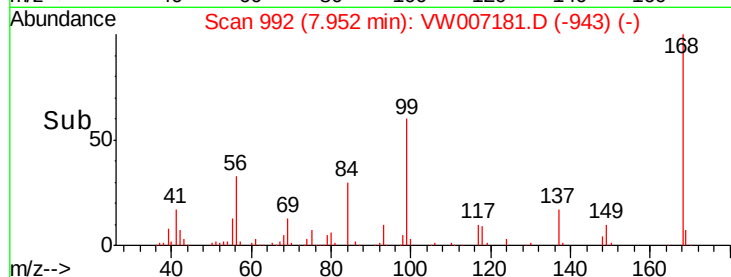
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.672 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007181.D

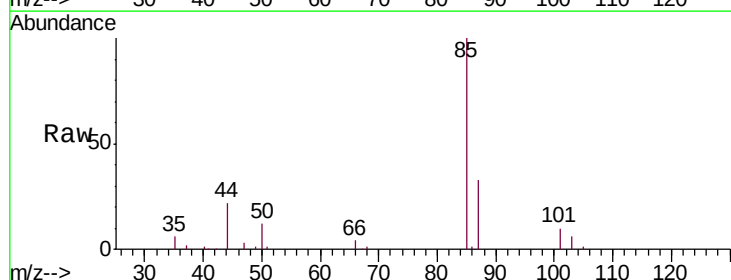
Acq: 04 Dec 2018 12:04

Tgt Ion: 85 Resp: 27016

Ion Ratio Lower Upper

85 100

87 32.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

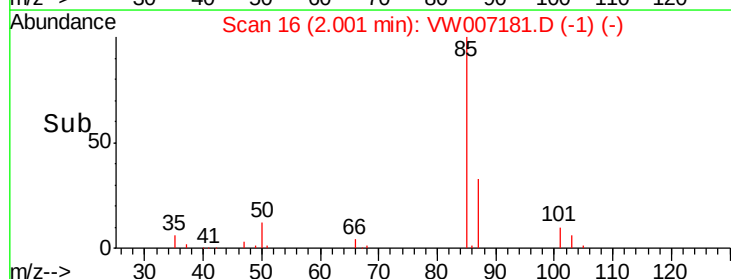
15000

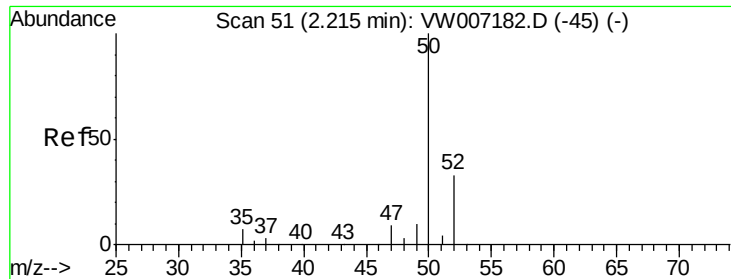
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.919 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

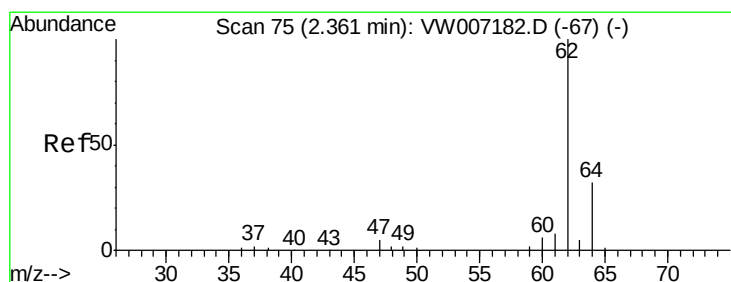
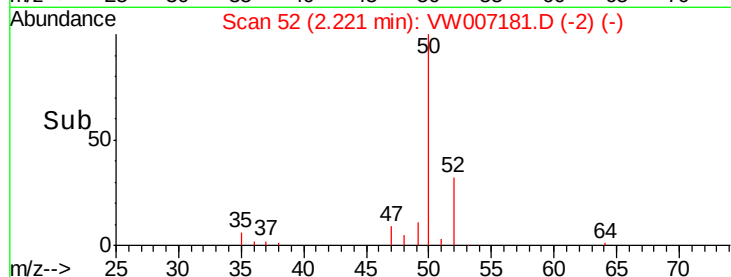
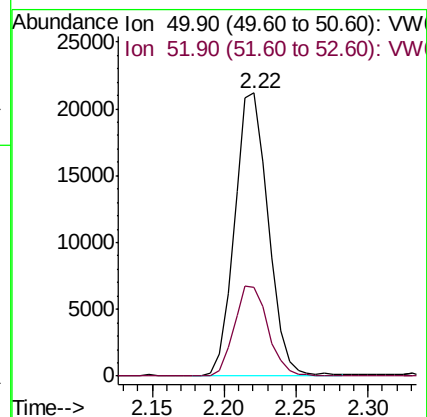
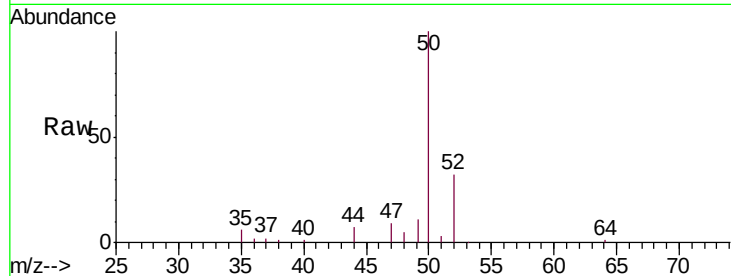
VSTDIC020

Tgt Ion: 50 Resp: 34603

Ion Ratio Lower Upper

50 100

52 31.6 26.2 39.2



#4

Vinyl Chloride

Concen: 20.792 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007181.D

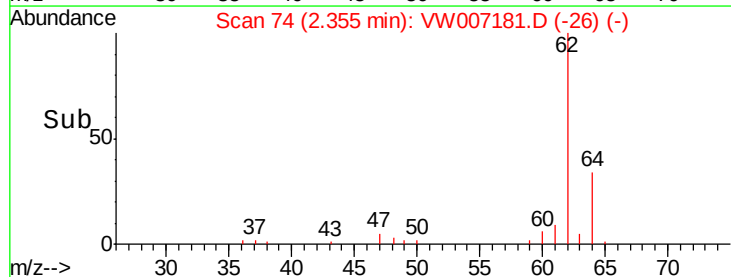
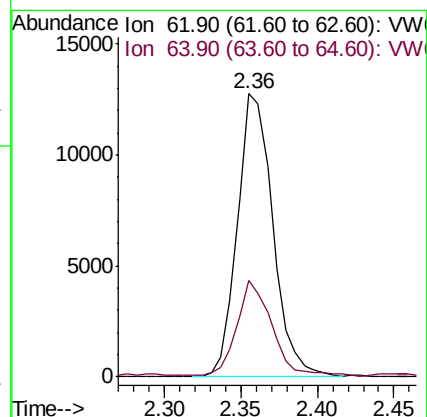
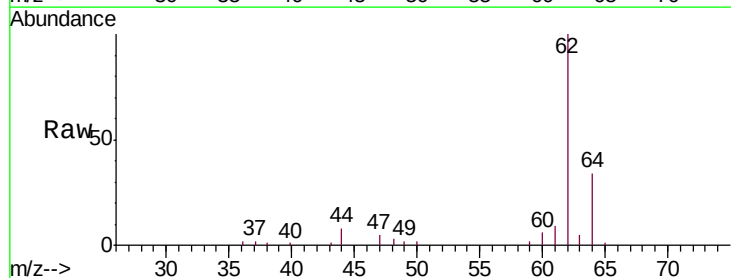
Acq: 04 Dec 2018 12:04

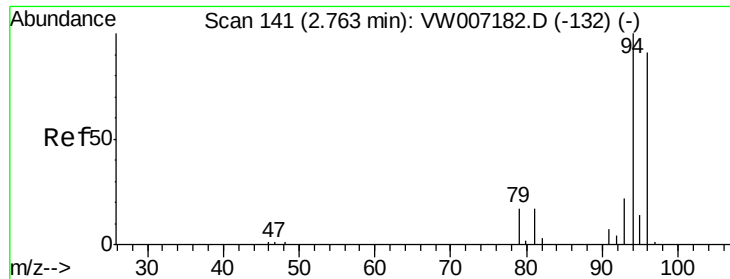
Tgt Ion: 62 Resp: 20551

Ion Ratio Lower Upper

62 100

64 33.6 25.3 37.9





#5

Bromomethane

Concen: 18.809 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

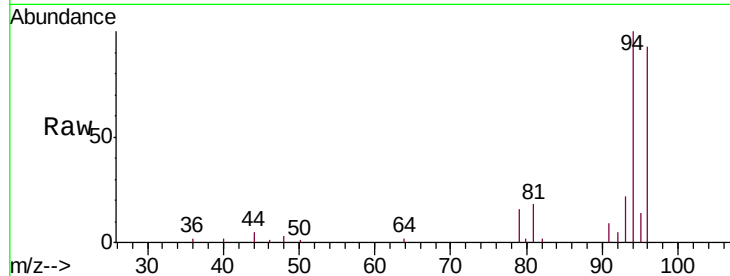
VSTDIC020

Tgt Ion: 94 Resp: 9316

Ion Ratio Lower Upper

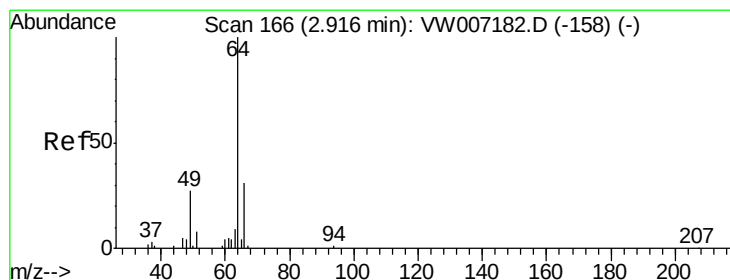
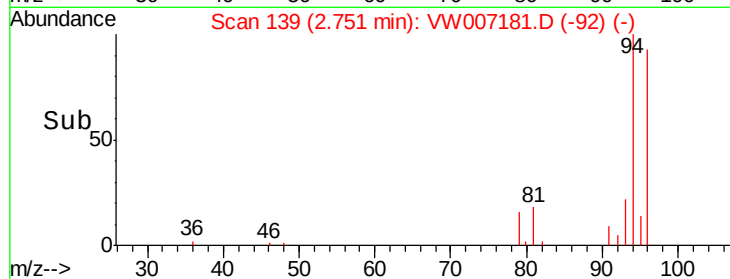
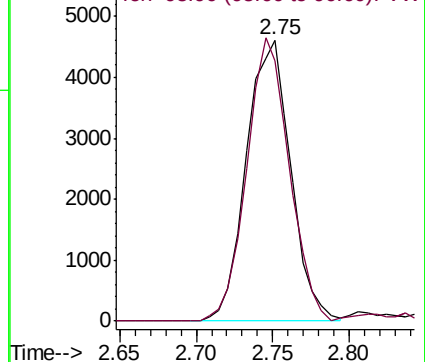
94 100

96 92.6 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.186 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW007181.D

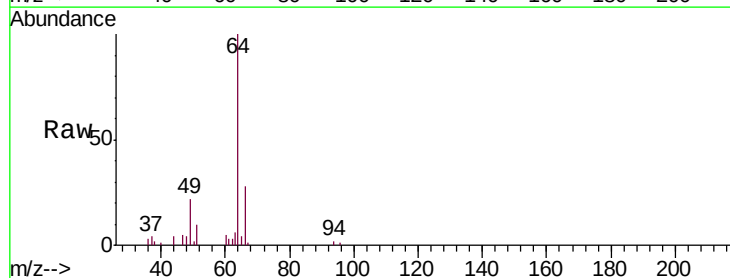
Acq: 04 Dec 2018 12:04

Tgt Ion: 64 Resp: 11195

Ion Ratio Lower Upper

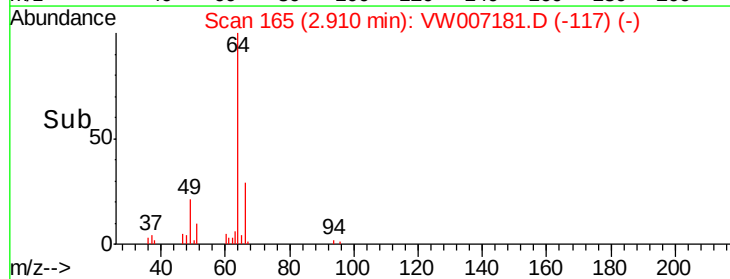
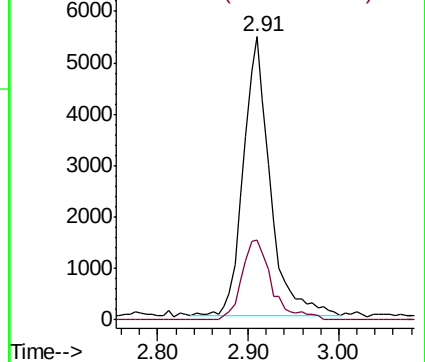
64 100

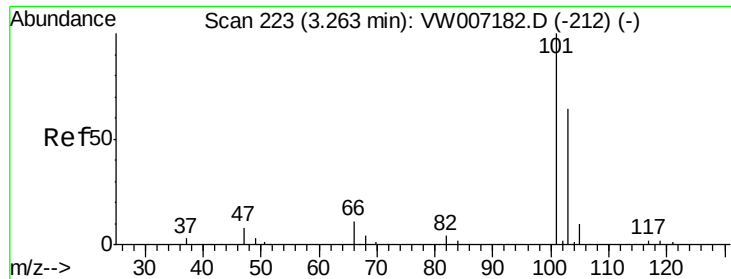
66 28.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



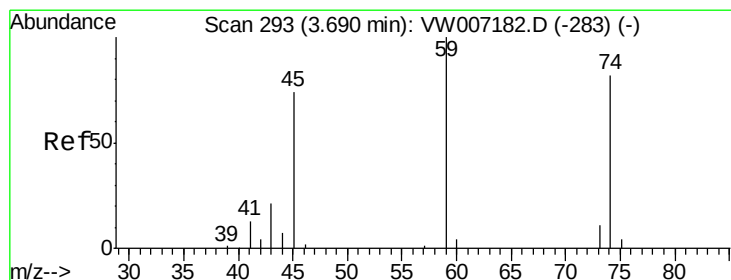
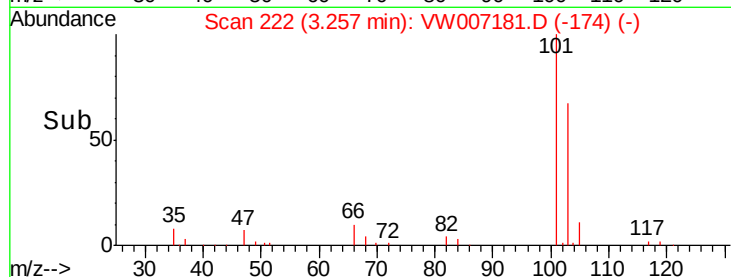
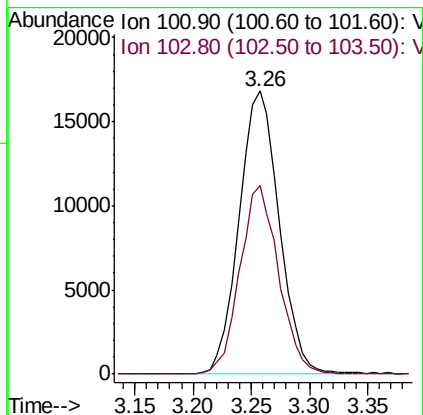
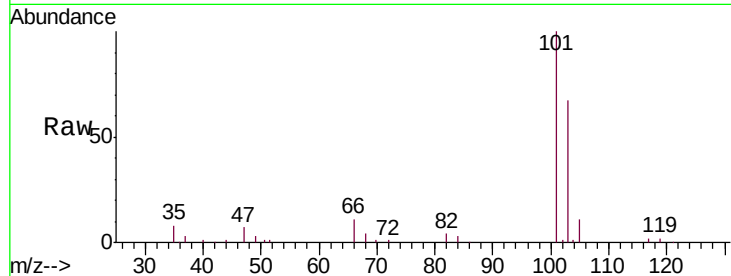


#7

Trichlorofluoromethane
 Concen: 20.901 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
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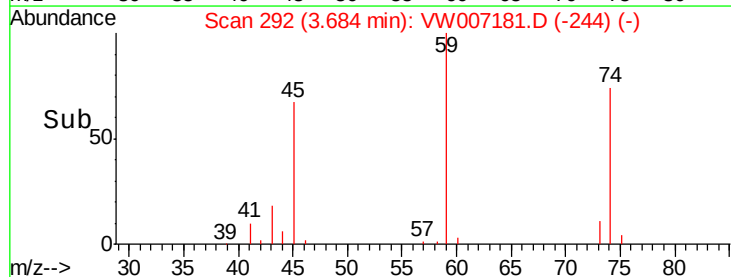
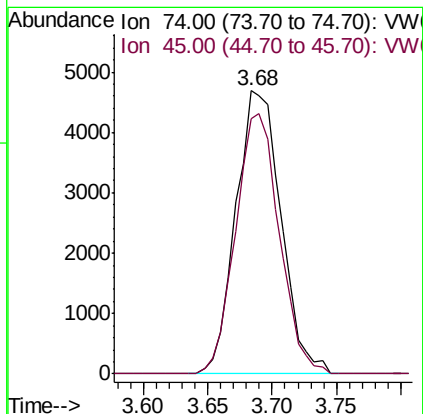
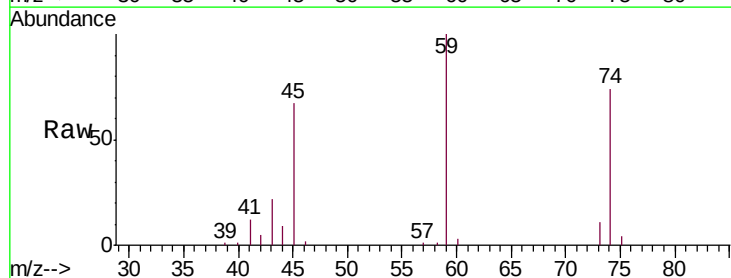
Tgt Ion: 101 Resp: 40278
 Ion Ratio Lower Upper
 101 100
 103 66.9 50.9 76.3

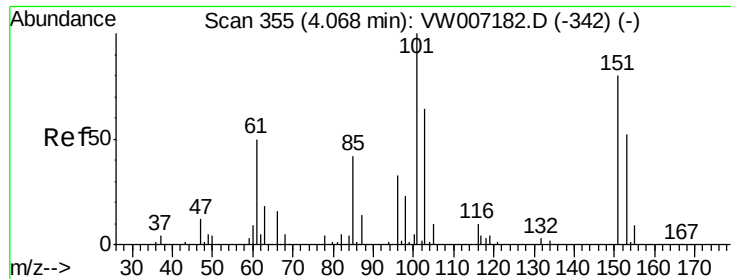


#8

Diethyl Ether
 Concen: 21.202 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Tgt Ion: 74 Resp: 11389
 Ion Ratio Lower Upper
 74 100
 45 89.1 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.868 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

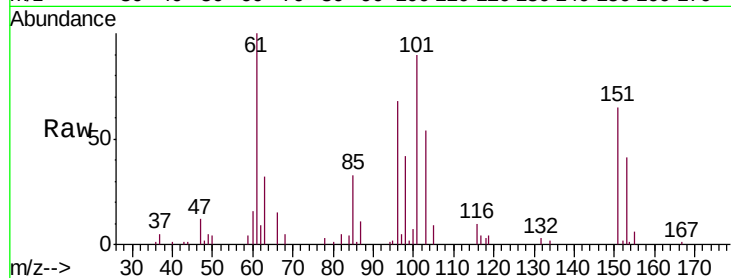
Tgt Ion:101 Resp: 24293

Ion Ratio Lower Upper

101 100

85 42.3 33.4 50.2

151 79.5 63.9 95.9

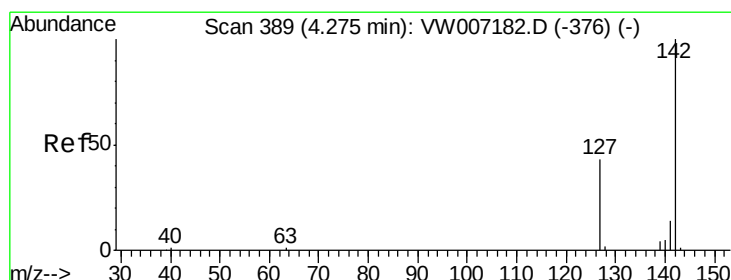
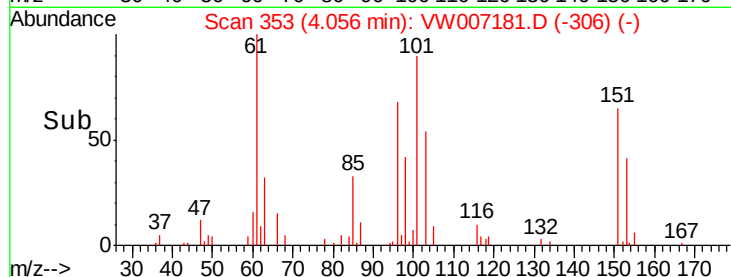
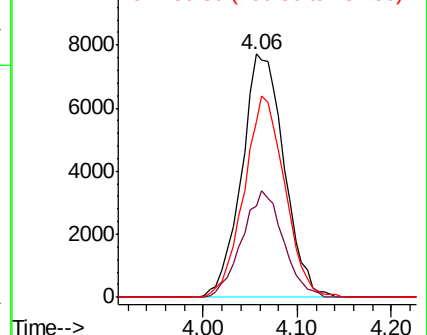


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.275 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

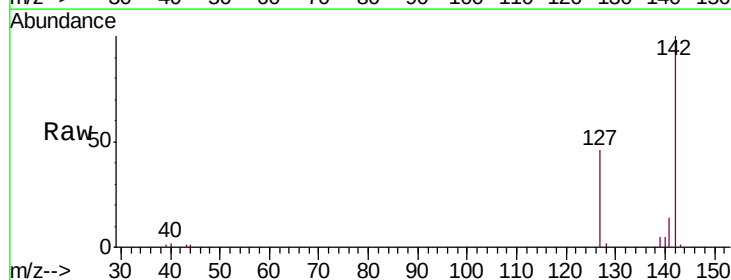
Tgt Ion:142 Resp: 18123

Ion Ratio Lower Upper

142 100

127 43.5 34.9 52.3

141 15.2 11.7 17.5

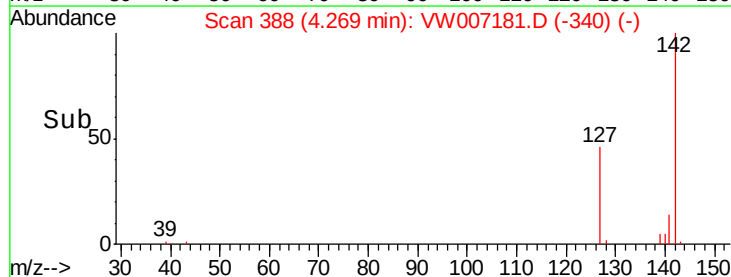
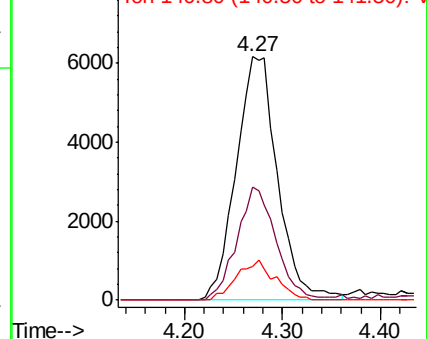


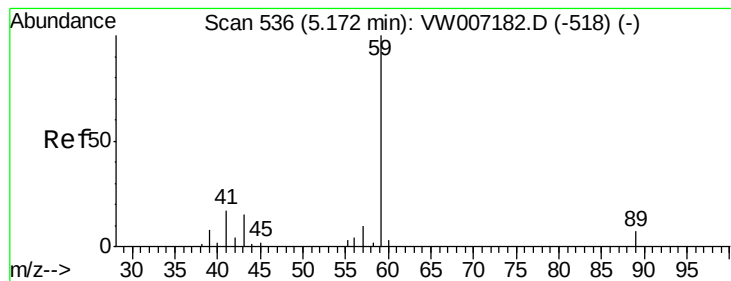
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



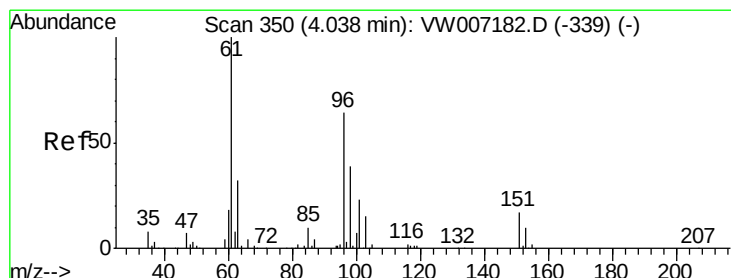
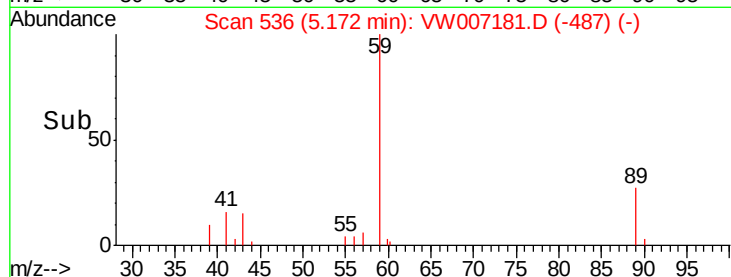
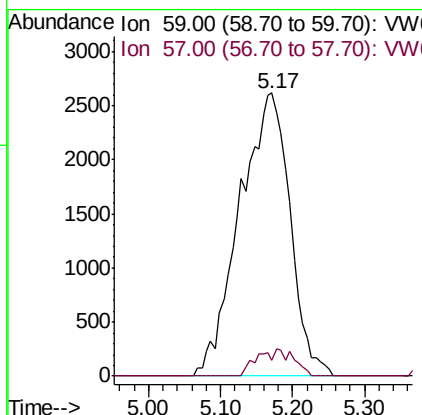
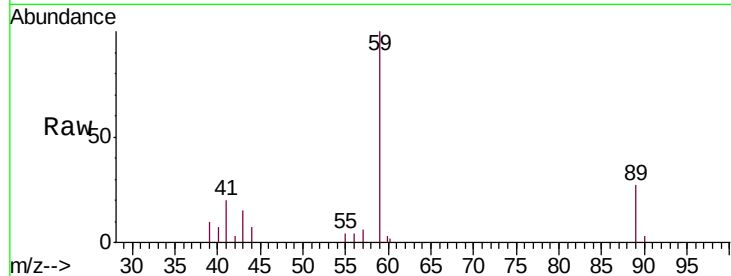


#11

Tert butyl alcohol
 Concen: 102.607 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

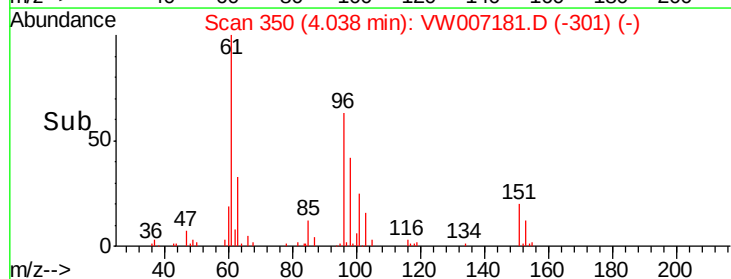
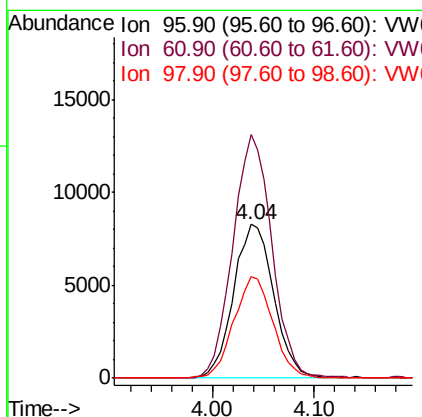
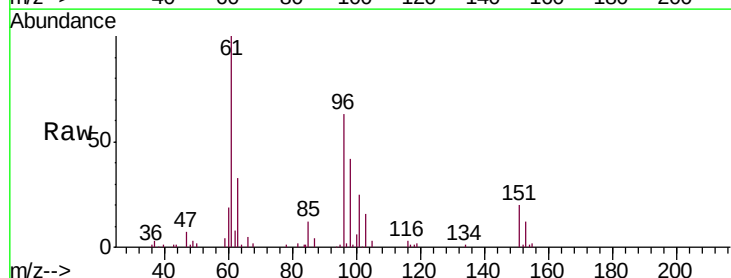
Tgt Ion: 59 Resp: 12704
 Ion Ratio Lower Upper
 59 100
 57 3.7 7.1 10.7#

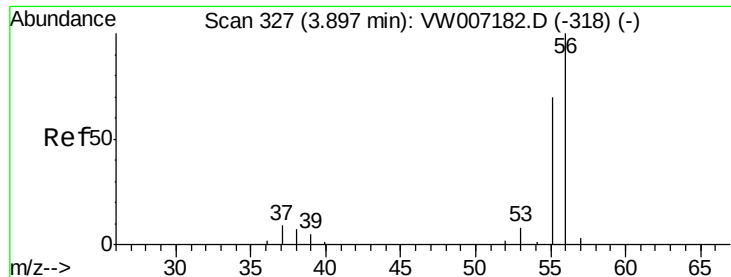


#12

1,1-Dichloroethene
 Concen: 20.737 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Tgt Ion: 96 Resp: 22623
 Ion Ratio Lower Upper
 96 100
 61 158.7 124.1 186.1
 98 66.4 48.6 72.8





#13

Acrolein

Concen: 106.200 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

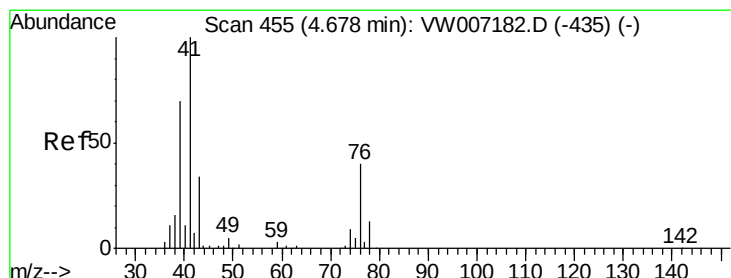
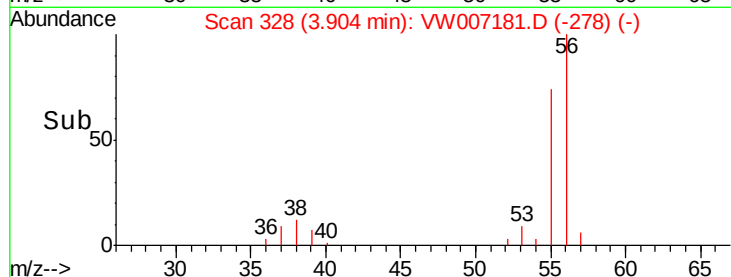
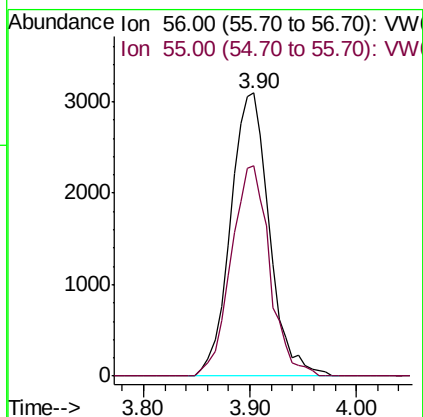
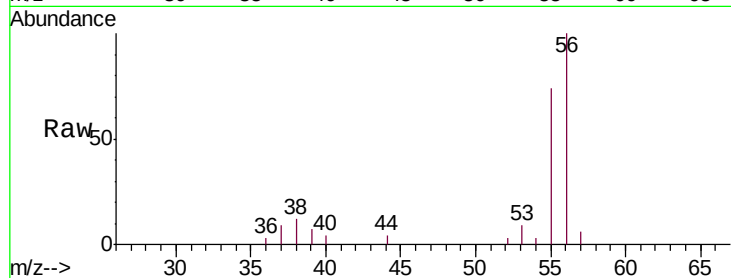
VSTDIC020

Tgt Ion: 56 Resp: 7894

Ion Ratio Lower Upper

56 100

55 73.9 56.9 85.3



#14

Allyl chloride

Concen: 20.172 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

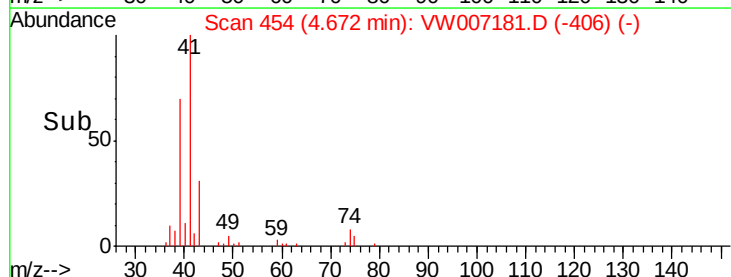
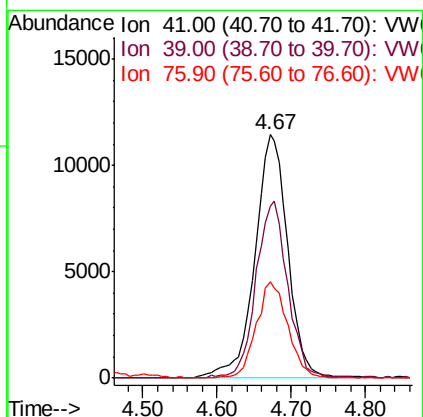
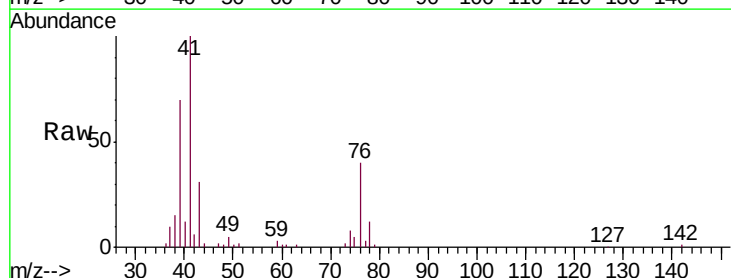
Tgt Ion: 41 Resp: 35274

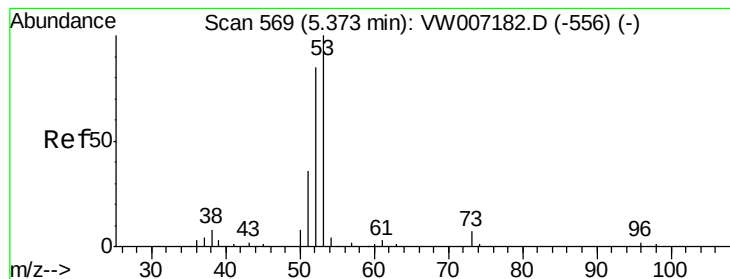
Ion Ratio Lower Upper

41 100

39 70.0 55.9 83.9

76 37.9 30.8 46.2





#15

Acrylonitrile

Concen: 102.357 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

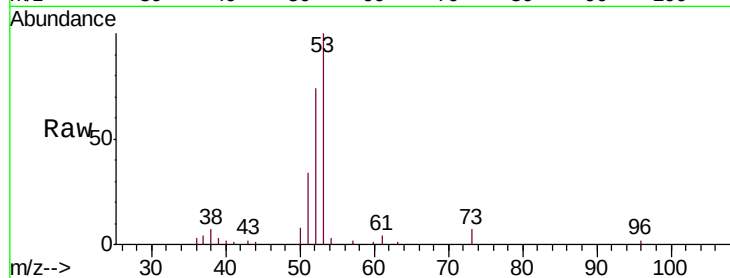
Tgt Ion: 53 Resp: 22985

Ion Ratio Lower Upper

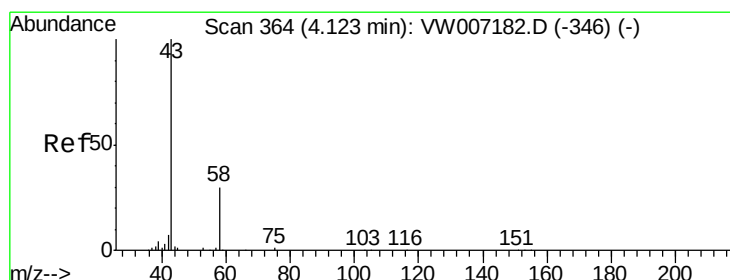
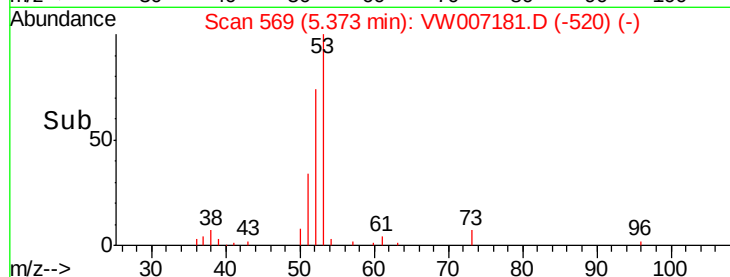
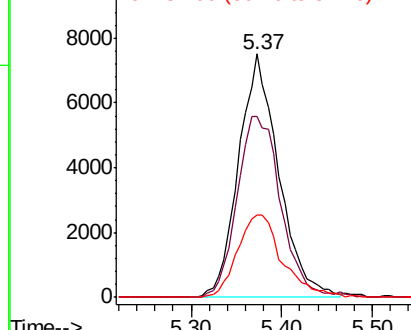
53 100

52 80.4 66.1 99.1

51 38.0 30.3 45.5



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: 93.532 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007181.D

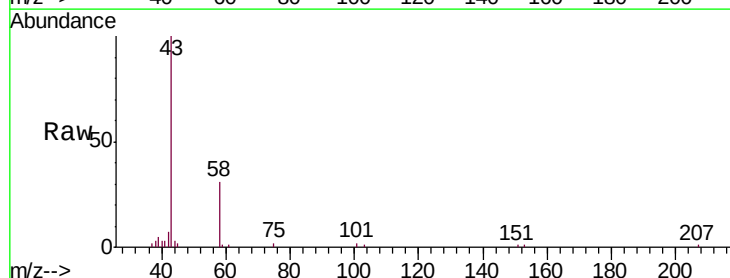
Acq: 04 Dec 2018 12:04

Tgt Ion: 43 Resp: 23489

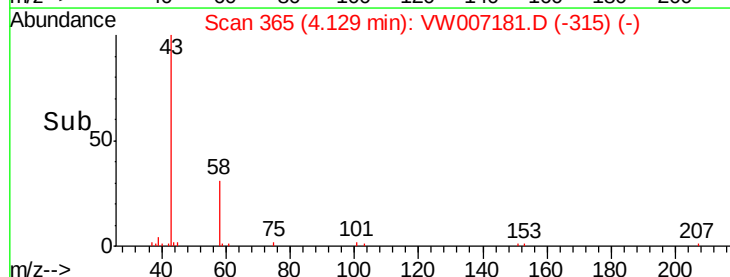
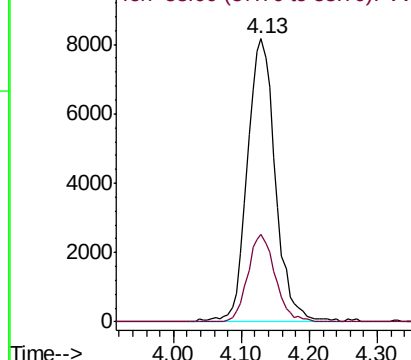
Ion Ratio Lower Upper

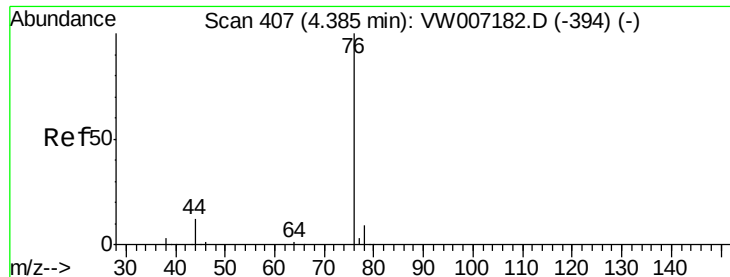
43 100

58 30.7 23.8 35.8



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





#17

Carbon Disulfide

Concen: 20.402 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

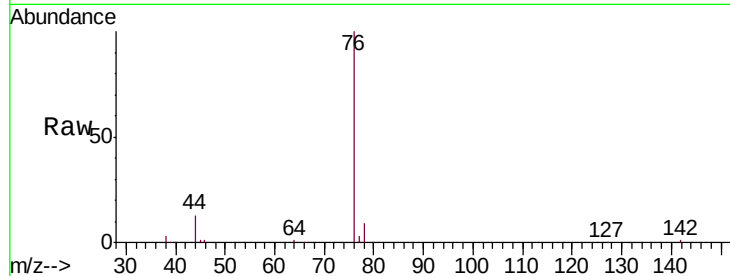
VSTDIC020

Tgt Ion: 76 Resp: 73367

Ion Ratio Lower Upper

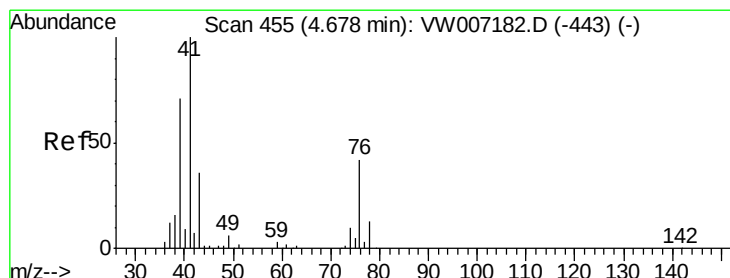
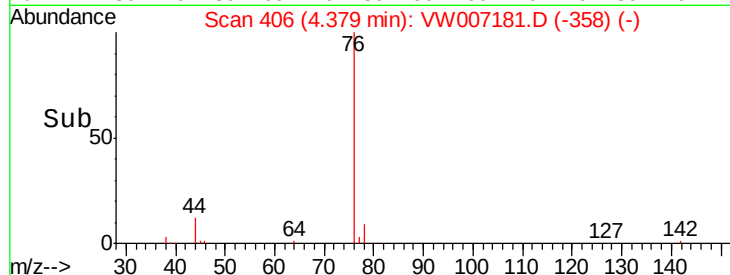
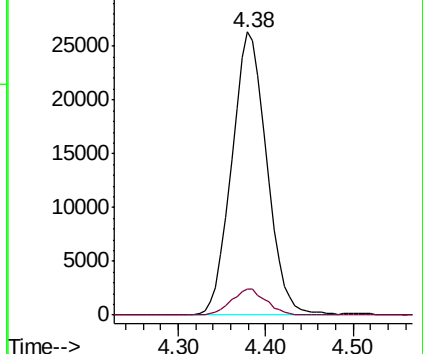
76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.256 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW007181.D

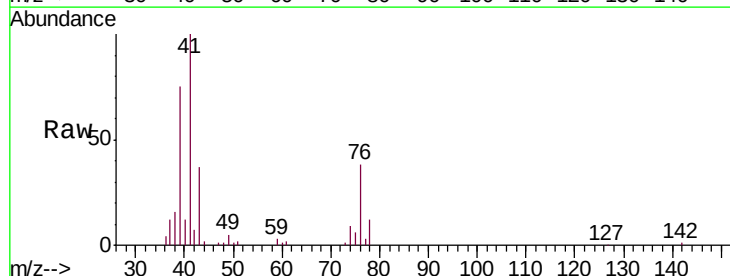
Acq: 04 Dec 2018 12:04

Tgt Ion: 43 Resp: 12185

Ion Ratio Lower Upper

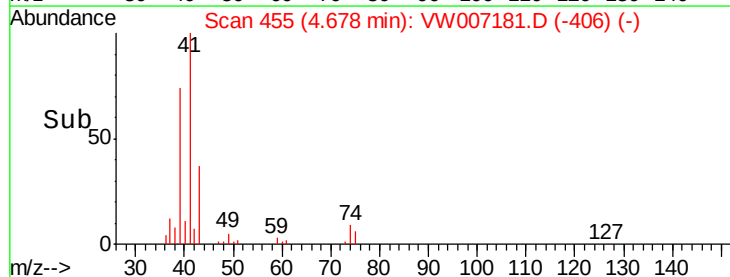
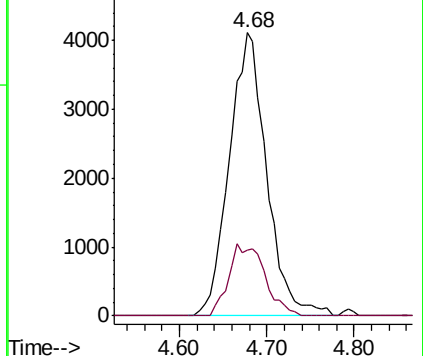
43 100

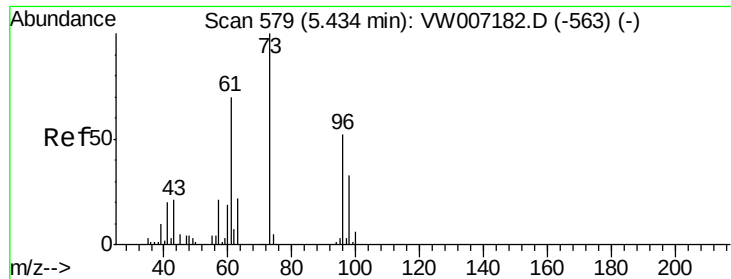
74 24.4 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

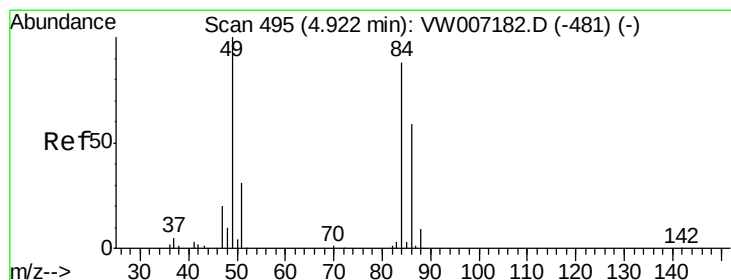
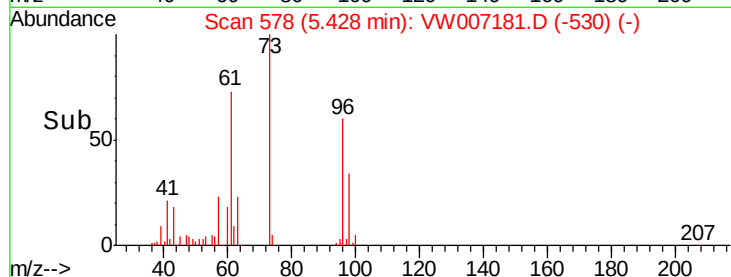
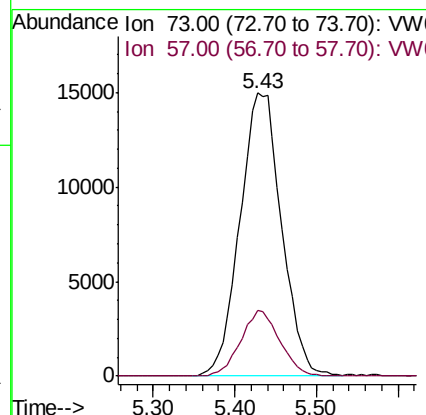
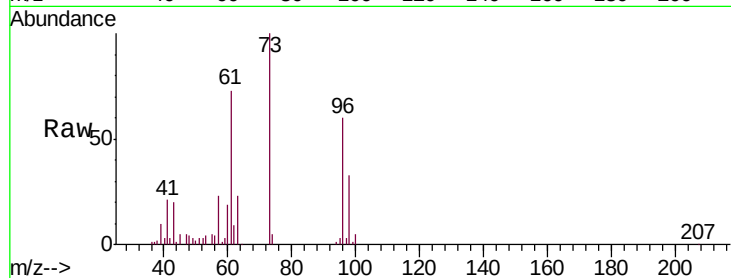




#19
Methyl tert-butyl Ether
Concen: 20.684 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

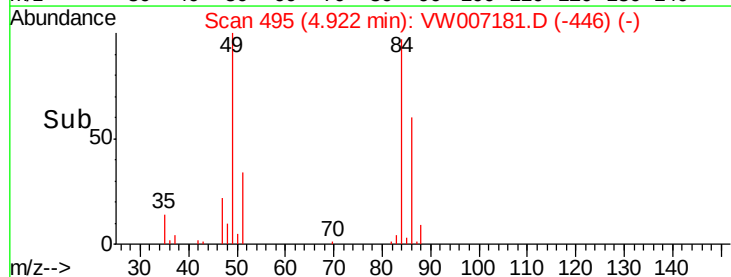
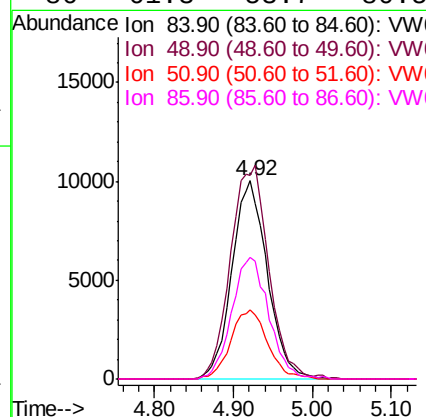
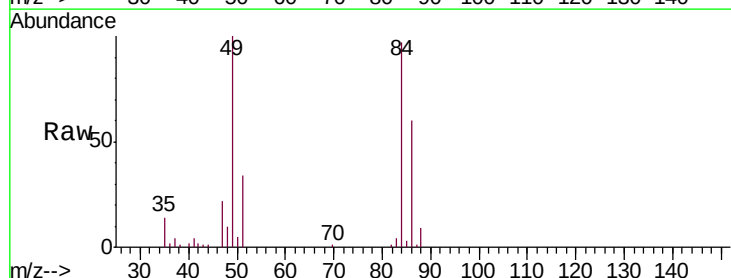
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

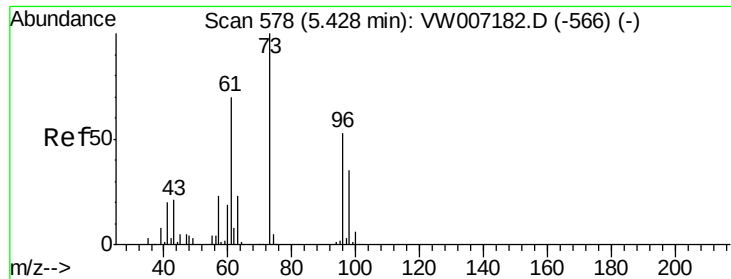
Tgt Ion: 73 Resp: 53127
Ion Ratio Lower Upper
73 100
57 23.1 16.6 25.0



#20
Methylene Chloride
Concen: 21.042 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion: 84 Resp: 31425
Ion Ratio Lower Upper
84 100
49 102.8 90.6 135.8
51 35.1 27.6 41.4
86 61.3 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 20.579 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

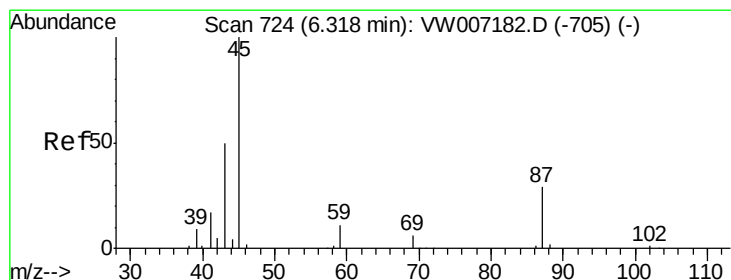
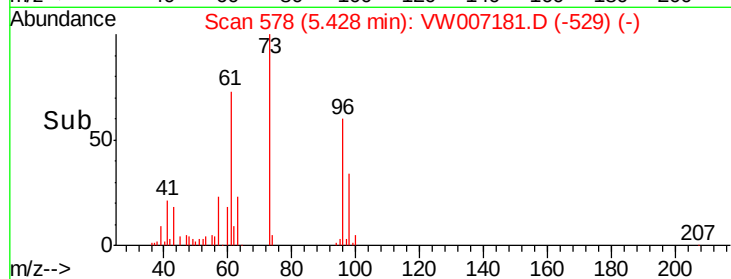
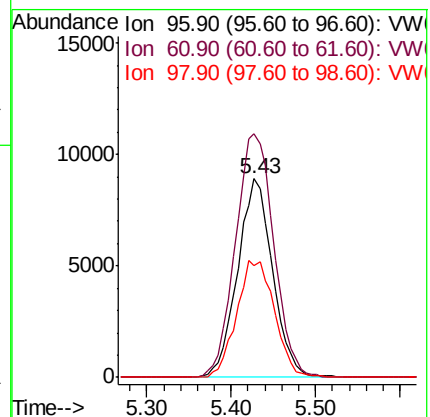
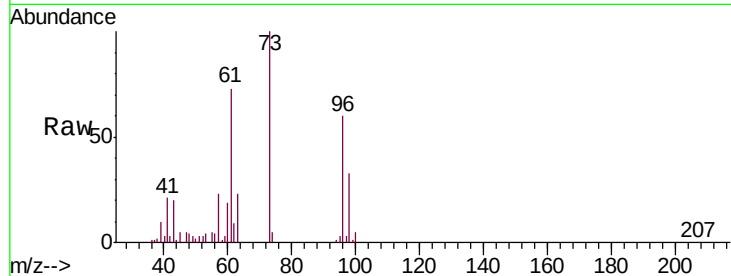
Tgt Ion: 96 Resp: 25068

Ion Ratio Lower Upper

96 100

61 122.6 105.5 158.3

98 56.2 52.6 79.0



#22

Diisopropyl ether

Concen: 20.540 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Tgt Ion: 45 Resp: 64477

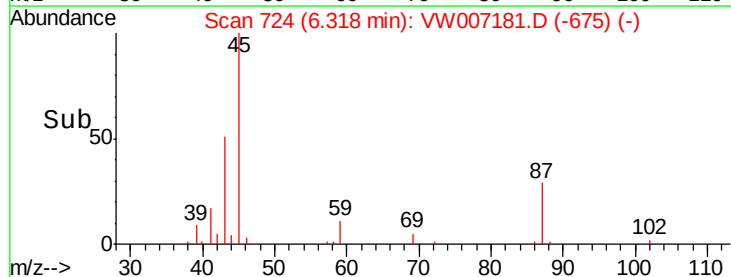
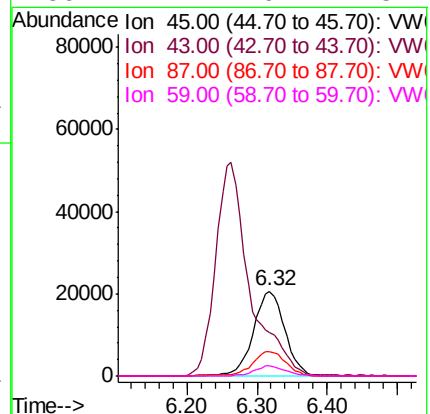
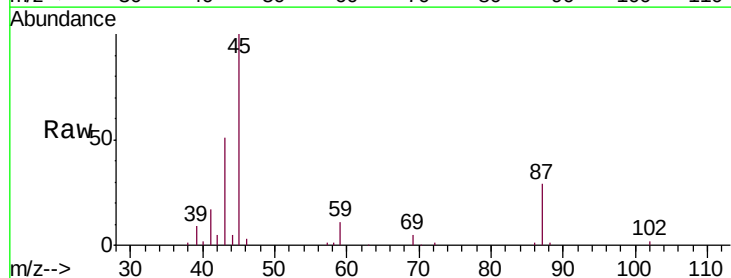
Ion Ratio Lower Upper

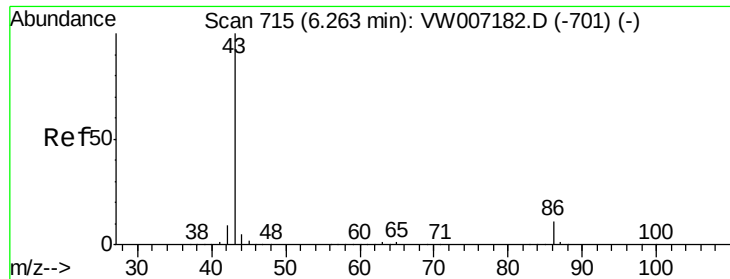
45 100

43 50.6 40.8 61.2

87 29.0 24.0 36.0

59 11.4 9.1 13.7





#23

Vinyl Acetate

Concen: 103.004 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

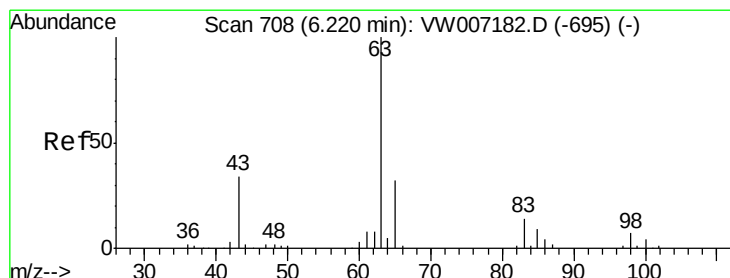
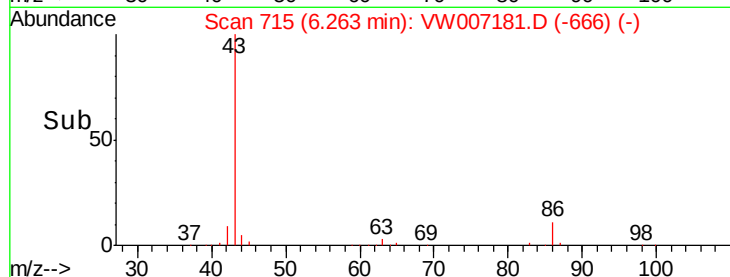
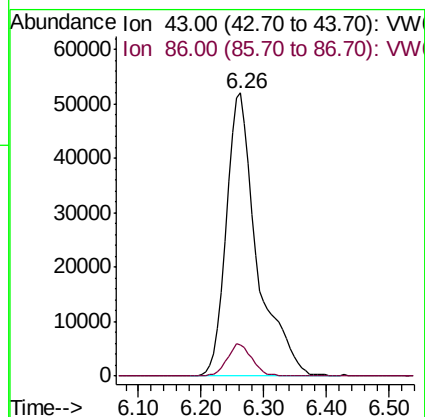
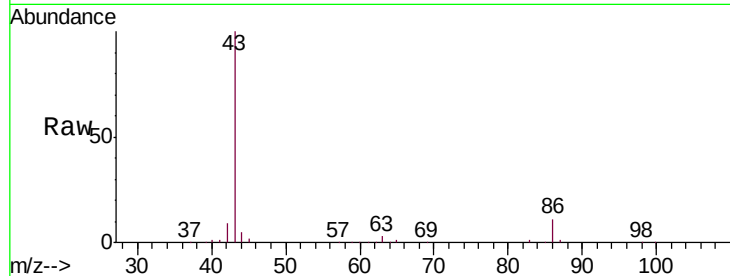
VSTDIC020

Tgt Ion: 43 Resp: 176433

Ion Ratio Lower Upper

43 100

86 10.9 9.0 13.6



#24

1,1-Dichloroethane

Concen: 20.607 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

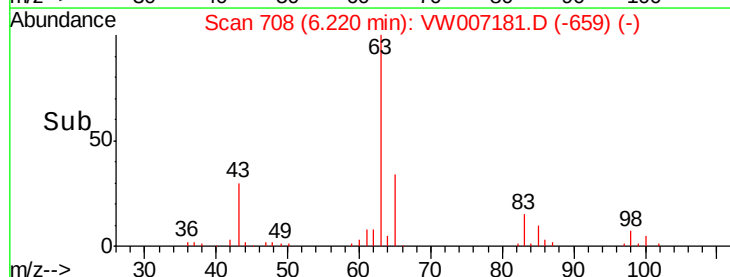
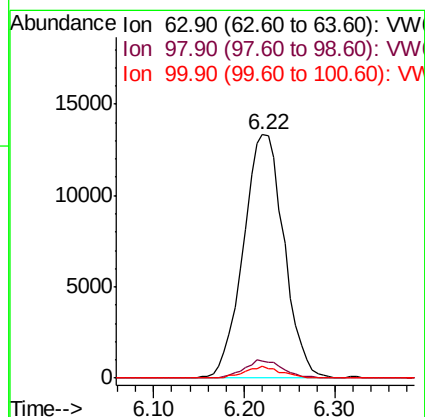
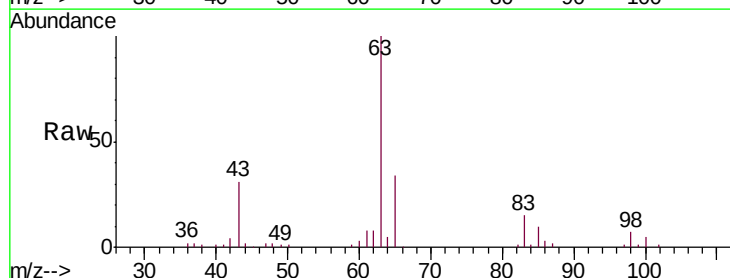
Tgt Ion: 63 Resp: 41461

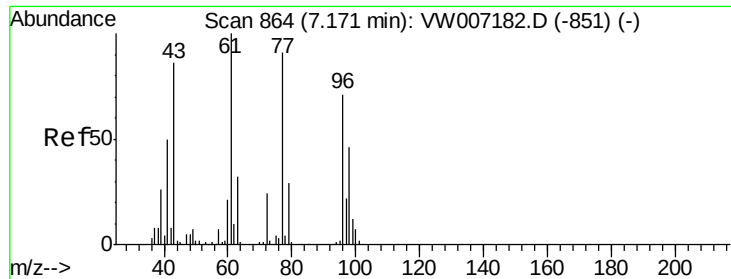
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.7 2.1 6.2





#25

2-Butanone

Concen: 99.586 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

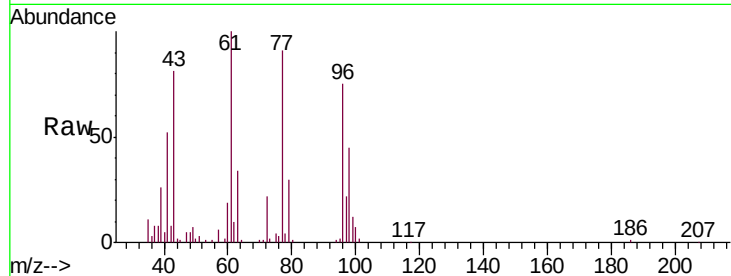
VSTDIC020

Tgt Ion: 43 Resp: 28991

Ion Ratio Lower Upper

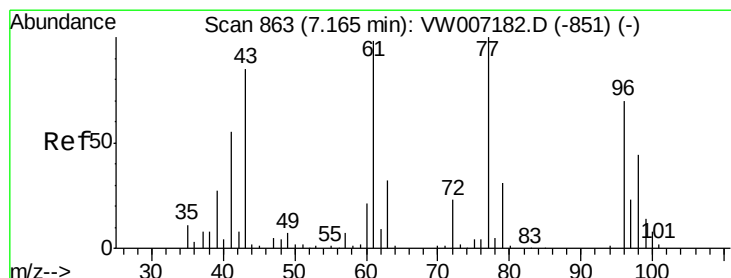
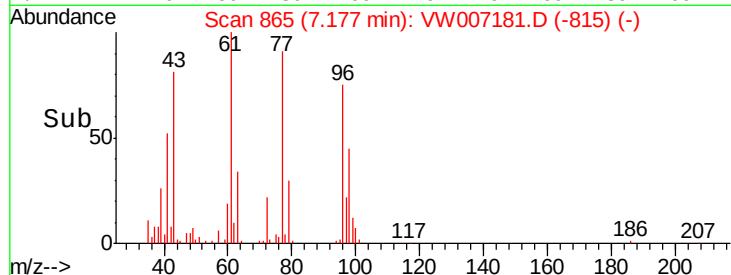
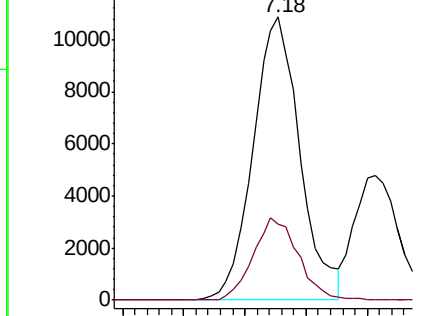
43 100

72 26.7 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 20.003 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007181.D

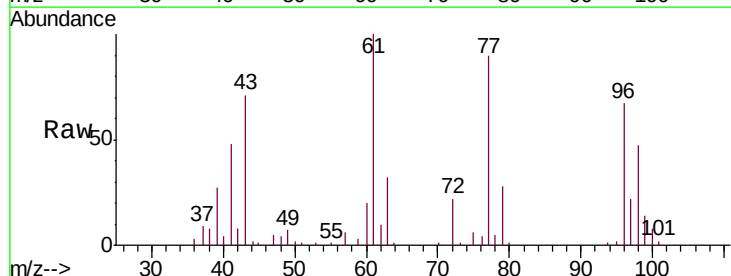
Acq: 04 Dec 2018 12:04

Tgt Ion: 77 Resp: 38675

Ion Ratio Lower Upper

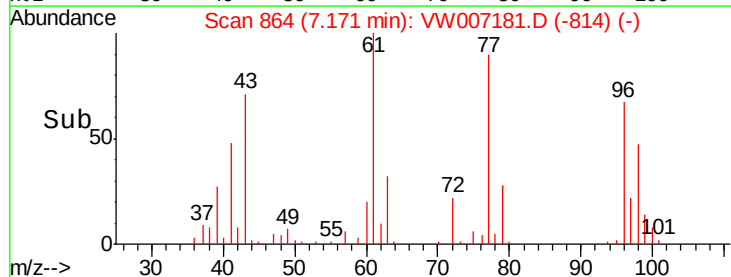
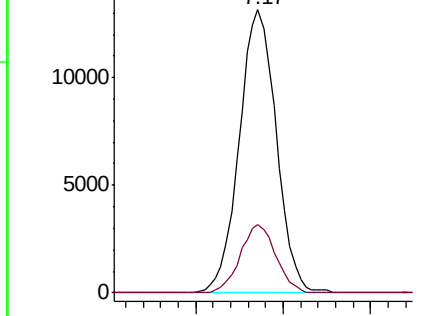
77 100

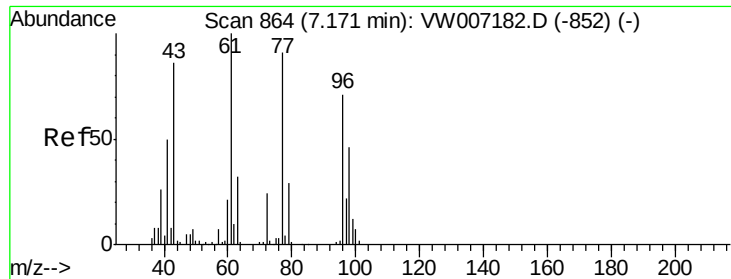
97 23.1 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



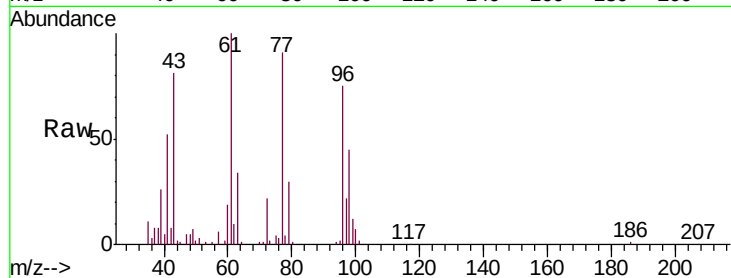


#27

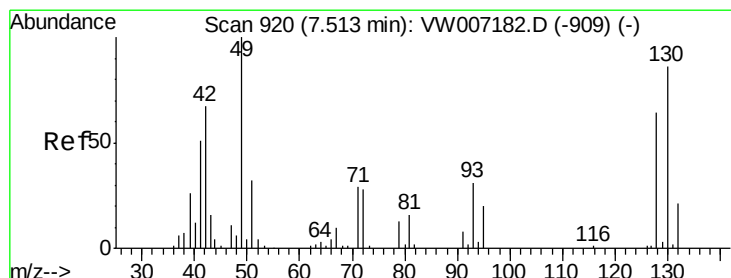
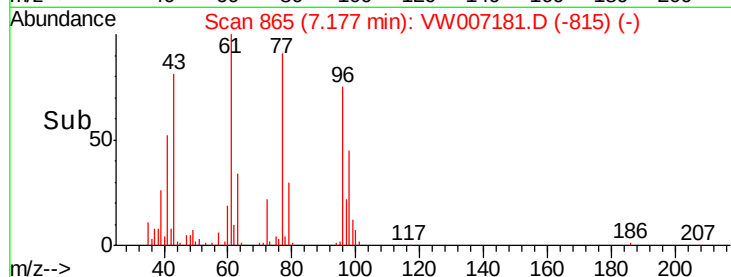
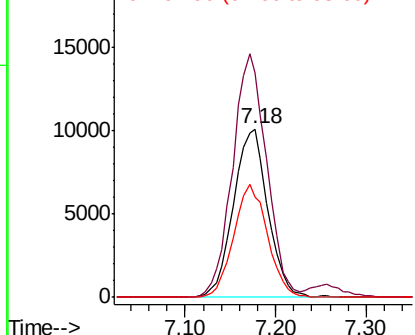
cis-1,2-Dichloroethene
Concen: 20.306 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 26517
Ion Ratio Lower Upper
96 100
61 143.7 0.0 282.4
98 66.0 0.0 129.8



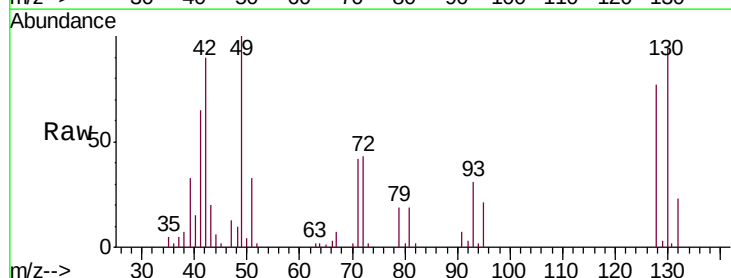
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



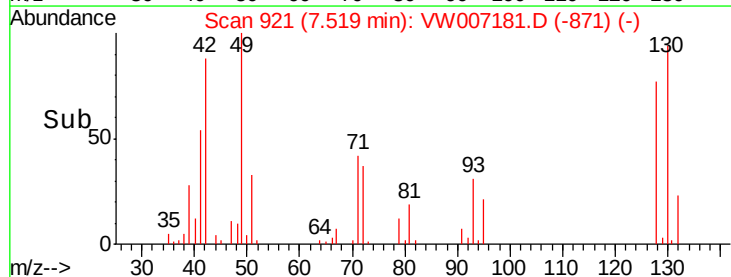
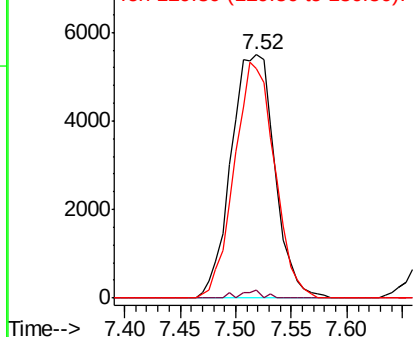
#28

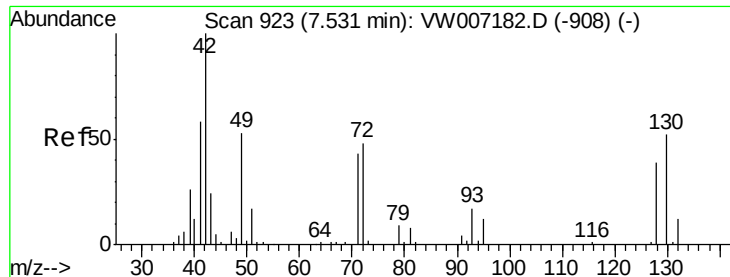
Bromochloromethane
Concen: 20.598 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion: 49 Resp: 14944
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.8
130 89.4 70.3 105.5



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

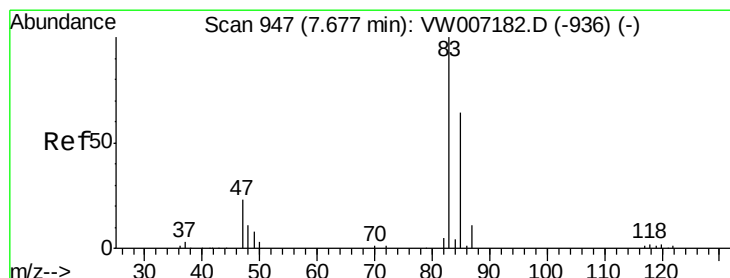
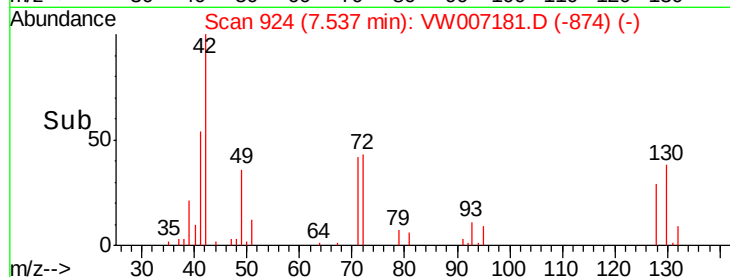
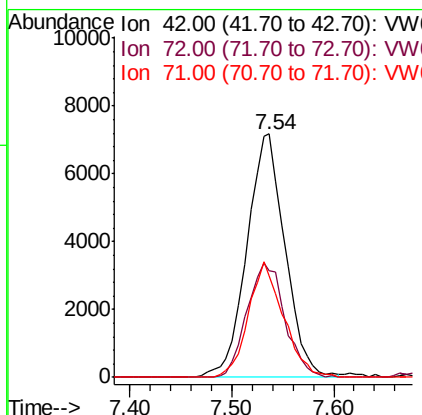
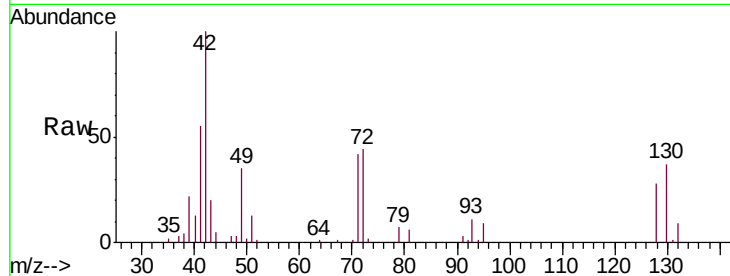




#29
Tetrahydrofuran
Concen: 103.860 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

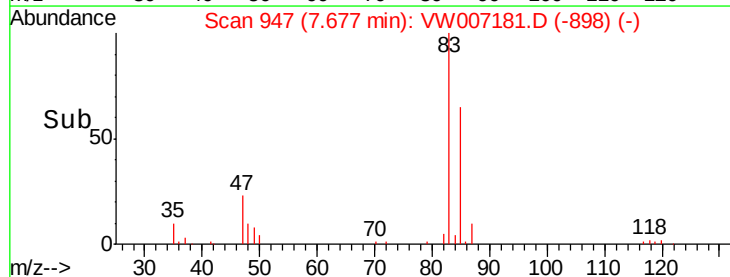
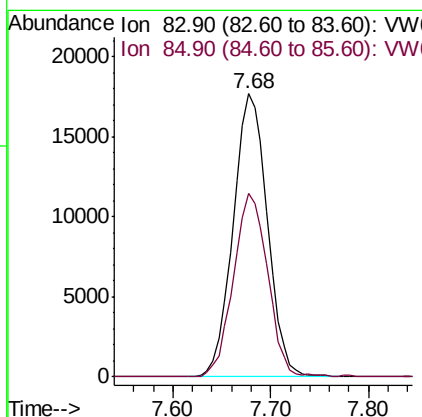
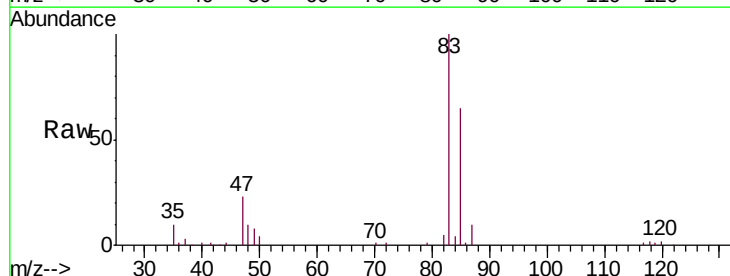
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

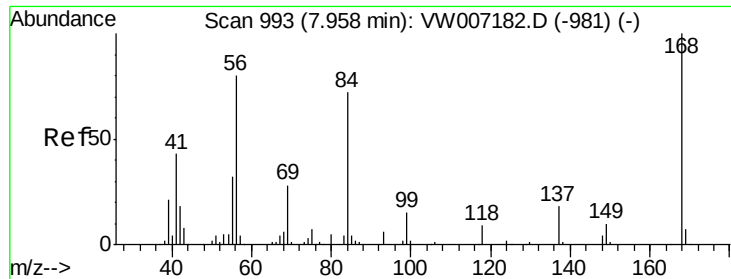
Tgt Ion: 42 Resp: 18684
Ion Ratio Lower Upper
42 100
72 46.5 36.6 55.0
71 43.8 34.8 52.2



#30
Chloroform
Concen: 20.508 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion: 83 Resp: 42883
Ion Ratio Lower Upper
83 100
85 64.9 51.5 77.3

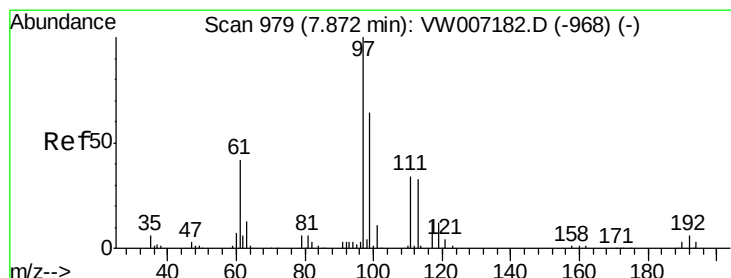
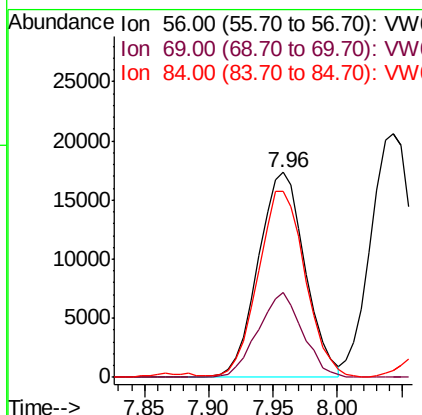
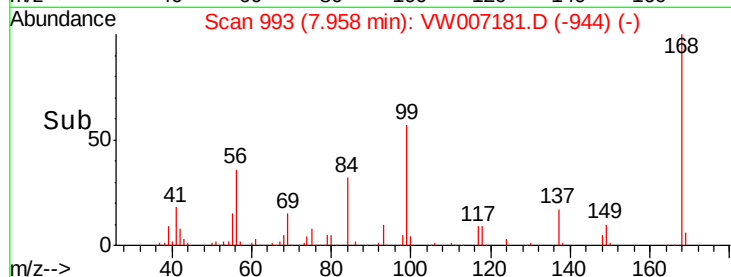
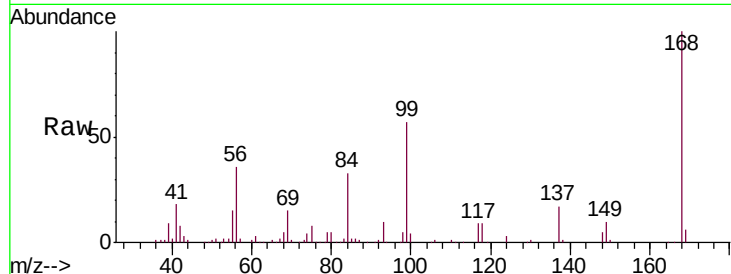




#31
Cyclohexane
Concen: 20.788 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

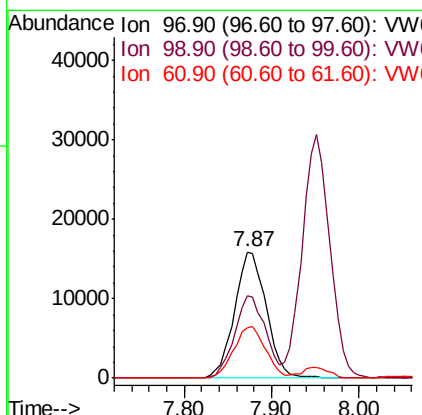
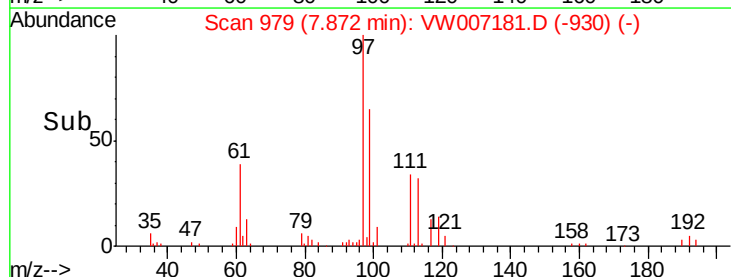
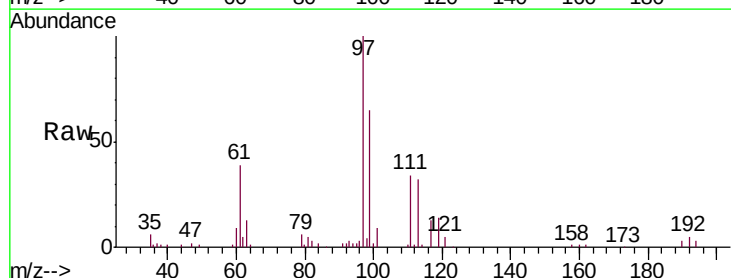
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

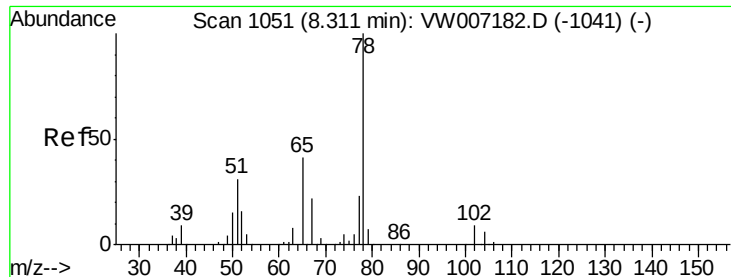
Tgt Ion: 56 Resp: 43763
Ion Ratio Lower Upper
56 100
69 41.7 28.2 42.2
84 89.0 72.1 108.1



#32
1,1,1-Trichloroethane
Concen: 20.291 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion: 97 Resp: 39929
Ion Ratio Lower Upper
97 100
99 63.4 51.3 76.9
61 41.2 33.2 49.8

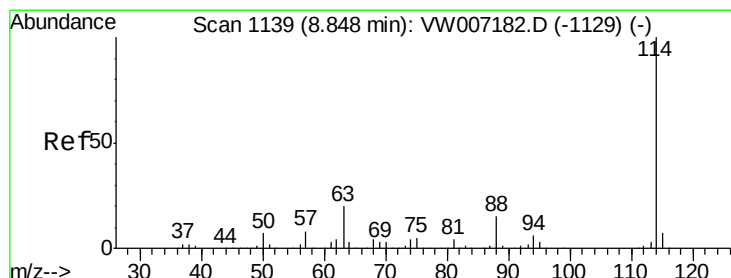
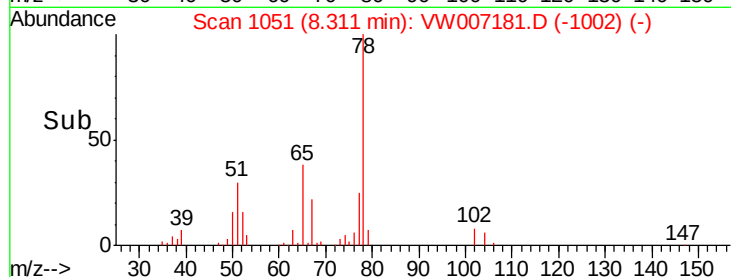
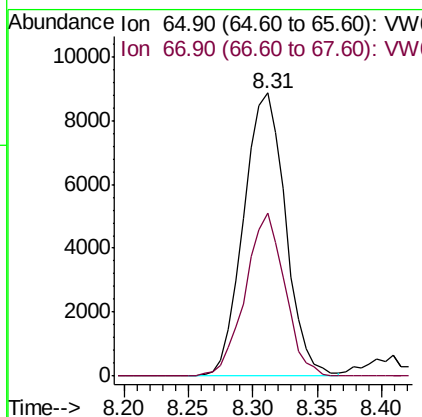
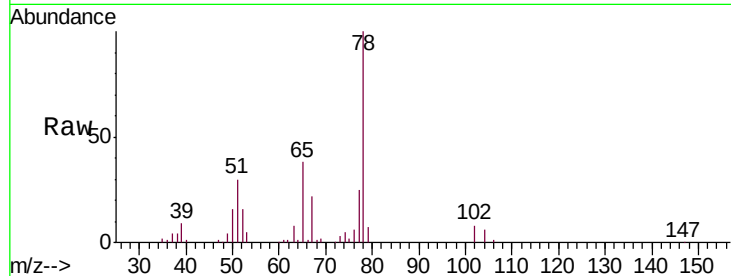




#33
 1,2-Dichloroethane-d4
 Concen: 18.807 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

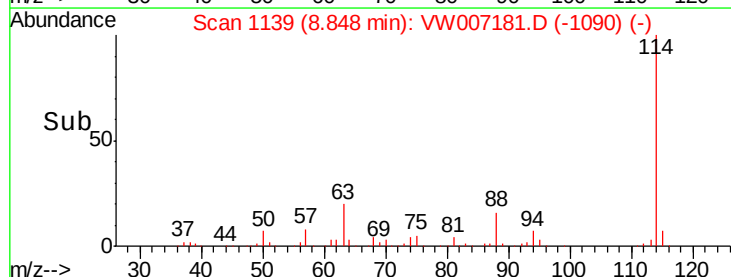
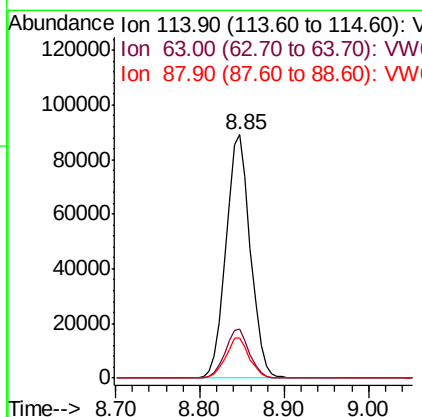
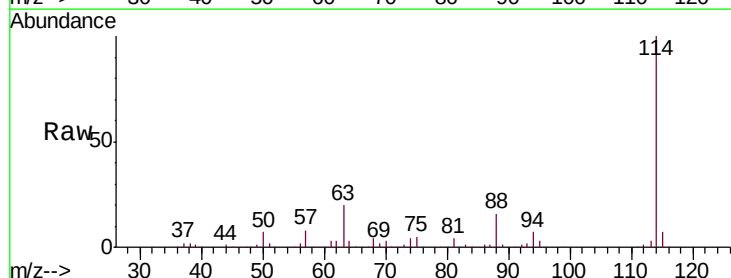
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

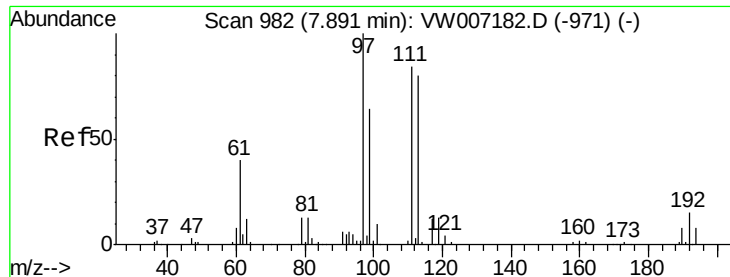
Tgt Ion: 65 Resp: 19951
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Tgt Ion: 114 Resp: 175997
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.2
 88 16.3 0.0 30.0

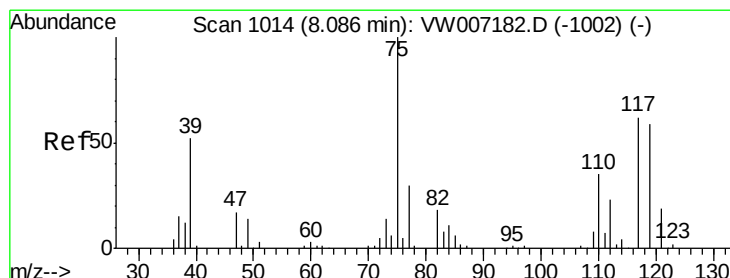
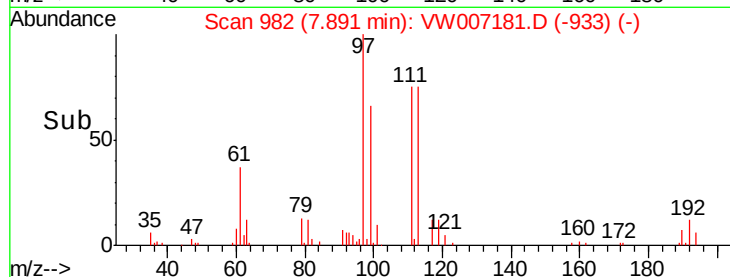
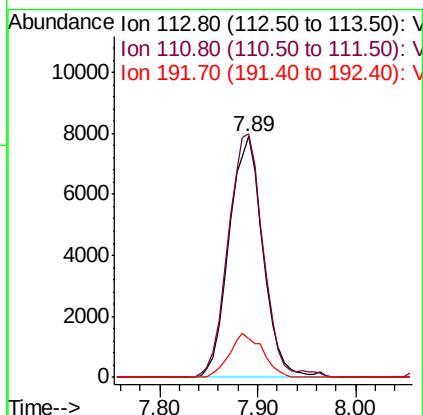
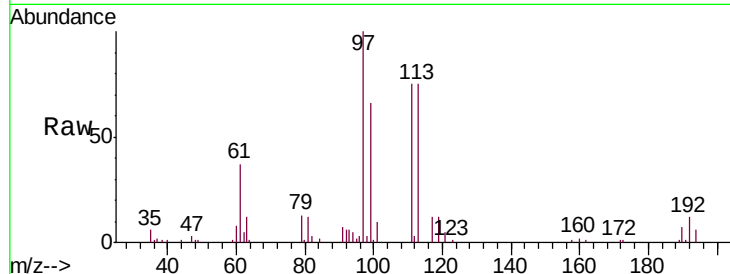




#35
 Dibromofluoromethane
 Concen: 18.856 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

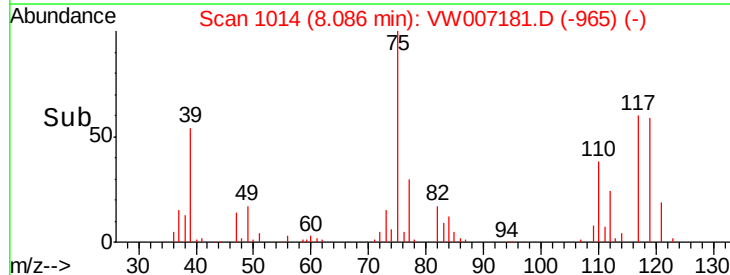
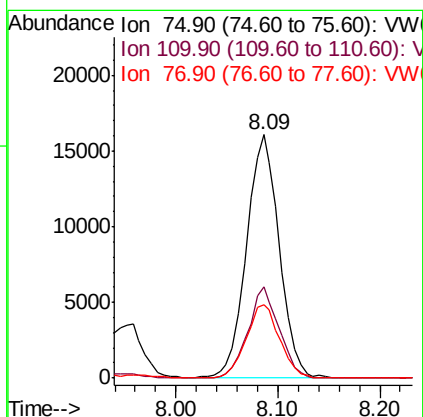
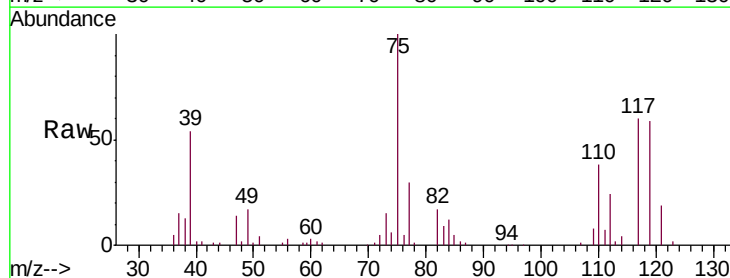
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

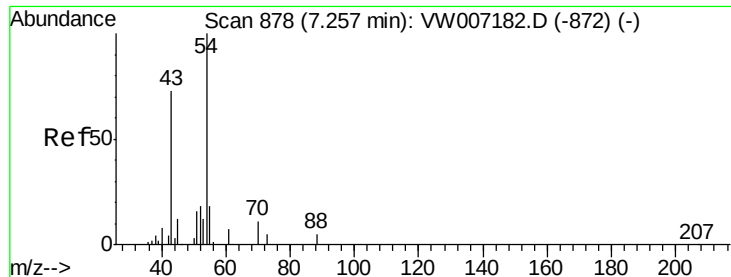
Tgt Ion: 113 Resp: 19002
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.2 123.4
 192 17.9 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 20.973 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Tgt Ion: 75 Resp: 35916
 Ion Ratio Lower Upper
 75 100
 110 35.6 18.3 54.9
 77 31.0 24.9 37.3

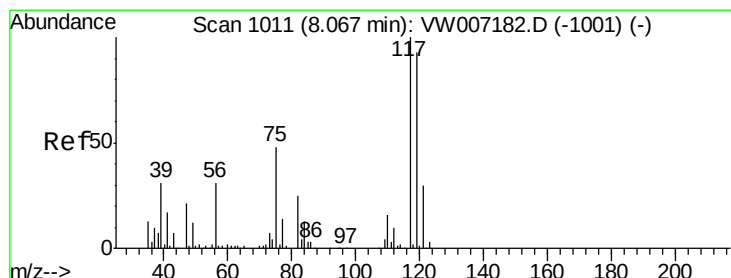
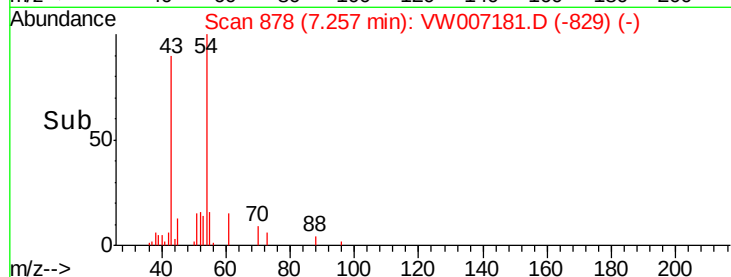
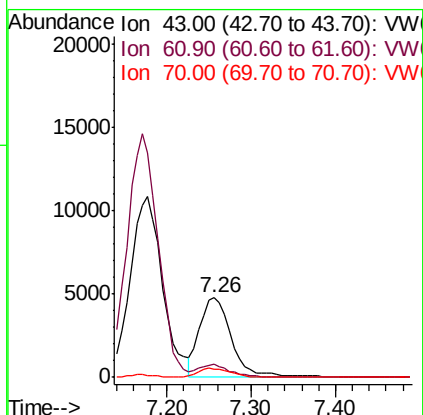
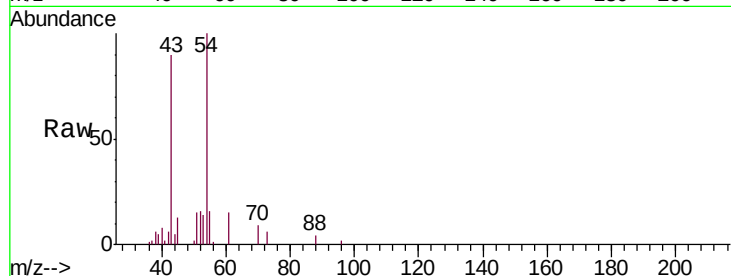




#37
Ethyl Acetate
Concen: 20.479 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

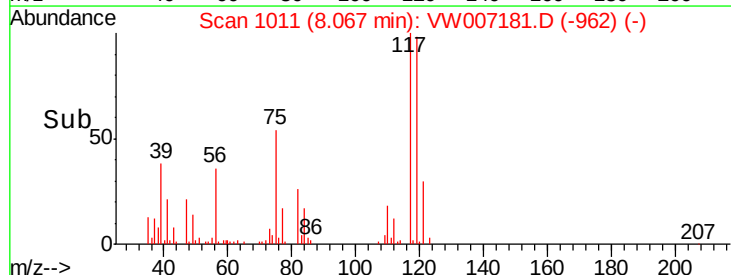
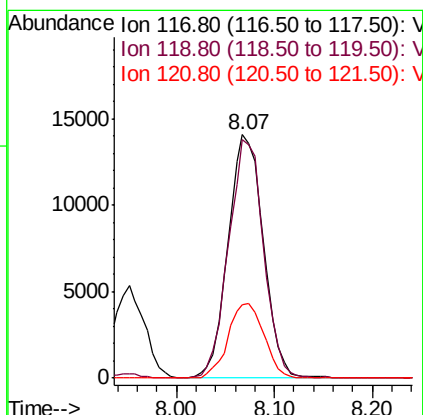
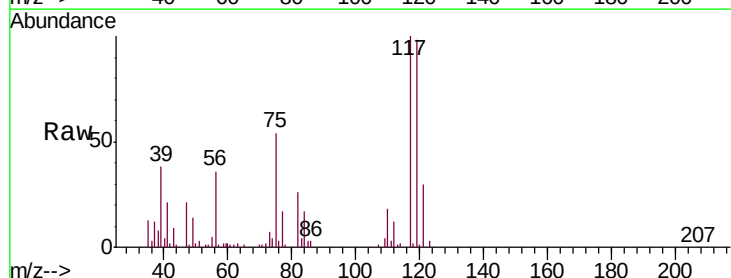
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

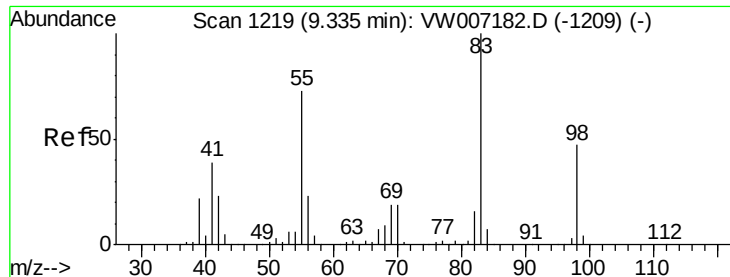
Tgt Ion: 43 Resp: 12686
Ion Ratio Lower Upper
43 100
61 15.4 12.1 18.1
70 11.4 9.1 13.7



#38
Carbon Tetrachloride
Concen: 20.188 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion: 117 Resp: 35286
Ion Ratio Lower Upper
117 100
119 98.0 74.1 111.1
121 30.3 23.9 35.9

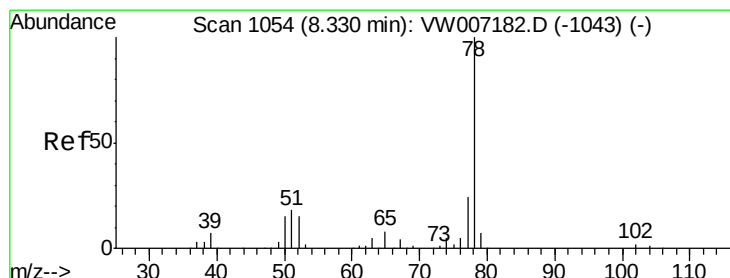
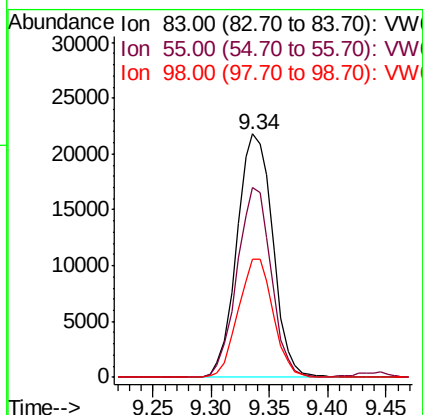
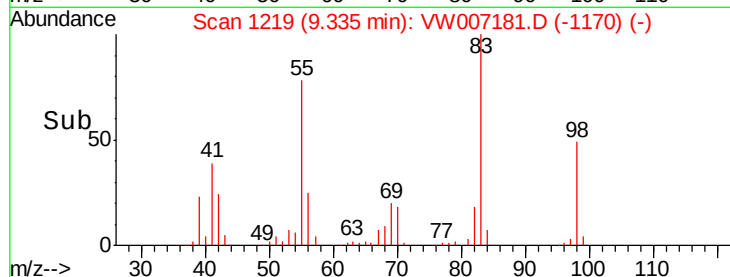
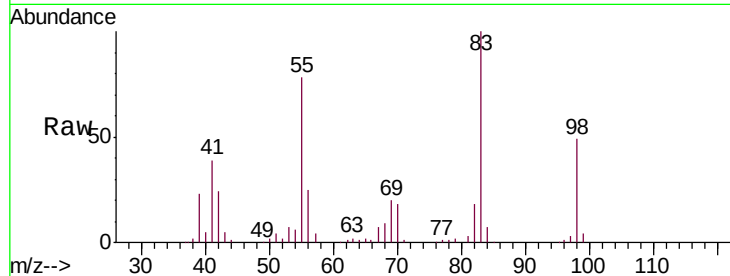




#39
Methylcyclohexane
Concen: 20.414 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

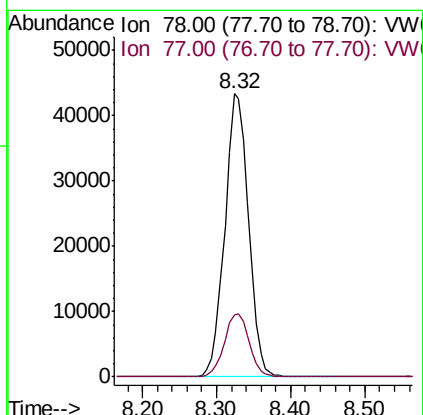
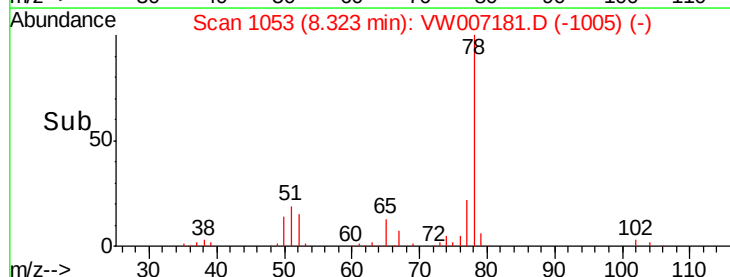
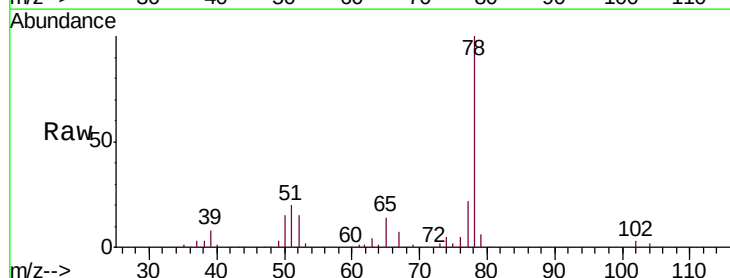
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

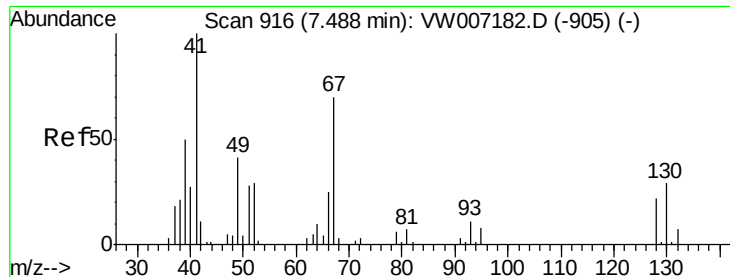
Tgt Ion: 83 Resp: 46798
Ion Ratio Lower Upper
83 100
55 77.8 58.1 87.1
98 48.6 37.3 55.9



#40
Benzene
Concen: 20.546 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion: 78 Resp: 96479
Ion Ratio Lower Upper
78 100
77 21.7 18.9 28.3

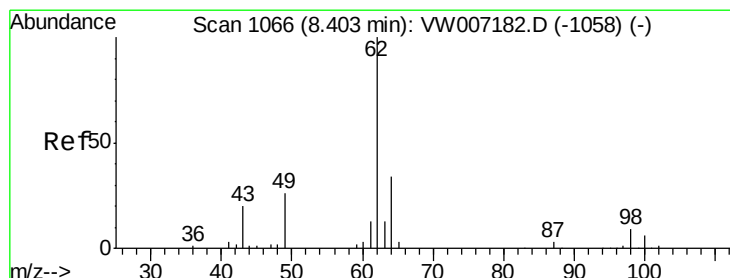
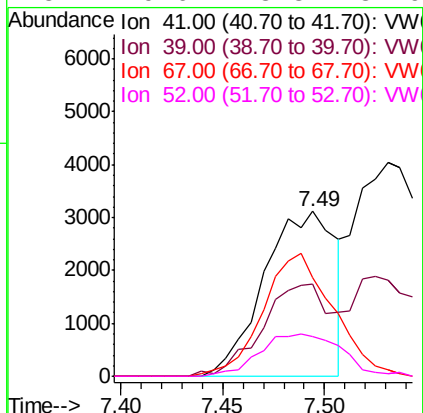
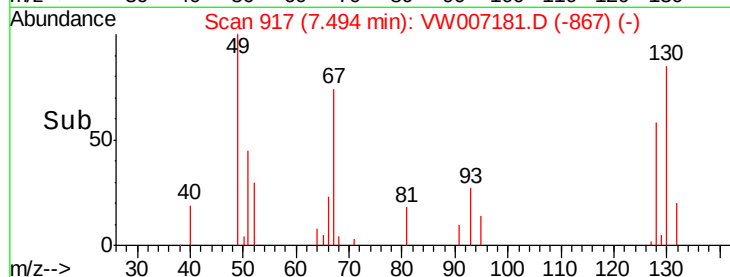
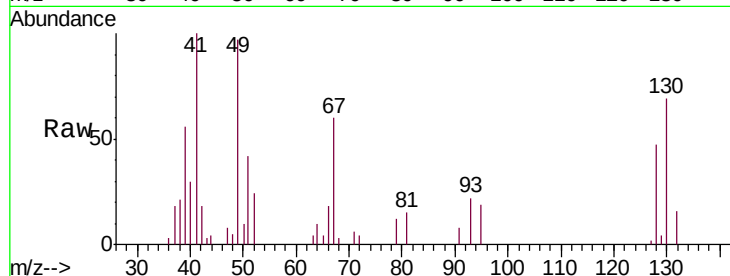




#41
Methacrylonitrile
Concen: 20.559 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

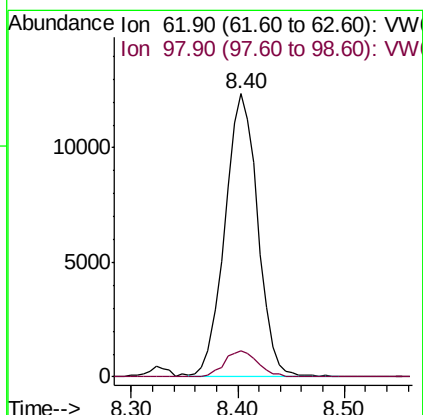
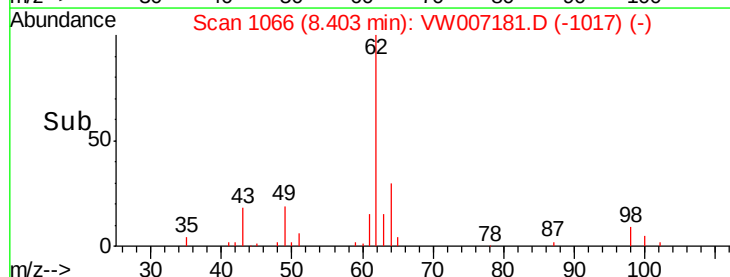
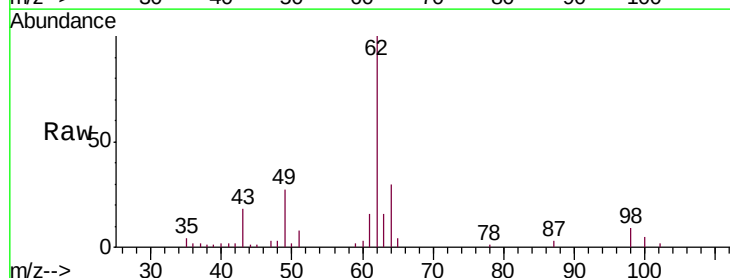
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

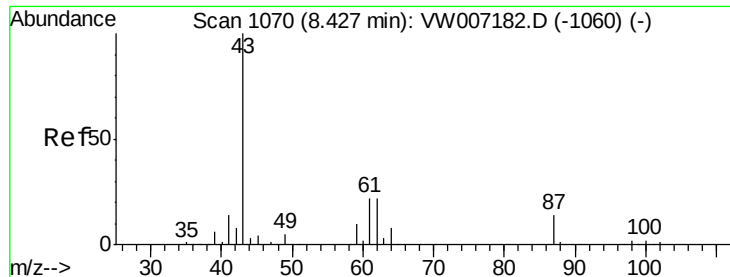
Tgt Ion:	41	Resp:	7628
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.4	65.0
67	73.0	57.4	86.0
52	29.6	23.3	34.9



#42
1,2-Dichloroethane
Concen: 20.338 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion:	62	Resp:	26691
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.8





#43

Isopropyl Acetate

Concen: 20.453 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

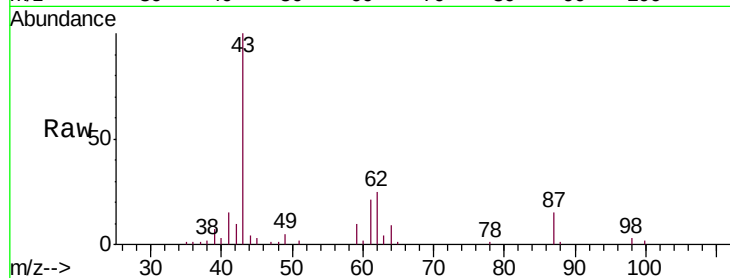
Tgt Ion: 43 Resp: 24607

Ion Ratio Lower Upper

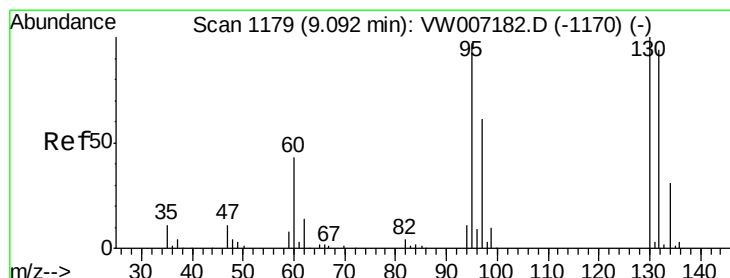
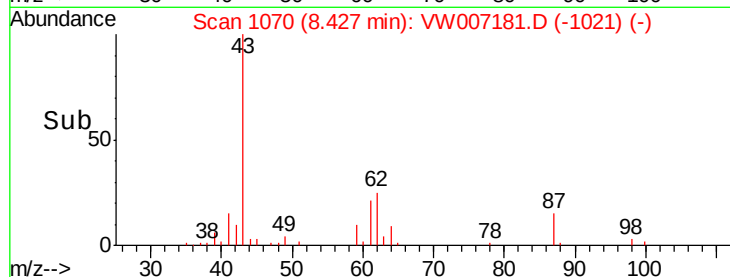
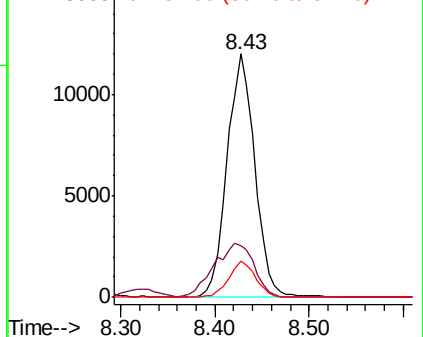
43 100

61 31.6 25.4 38.0

87 14.3 11.4 17.0



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



#44

Trichloroethene

Concen: 20.714 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007181.D

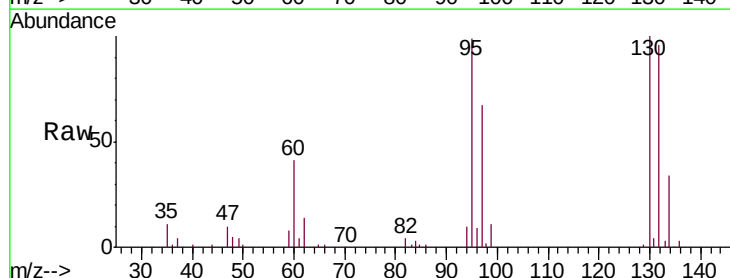
Acq: 04 Dec 2018 12:04

Tgt Ion: 130 Resp: 27342

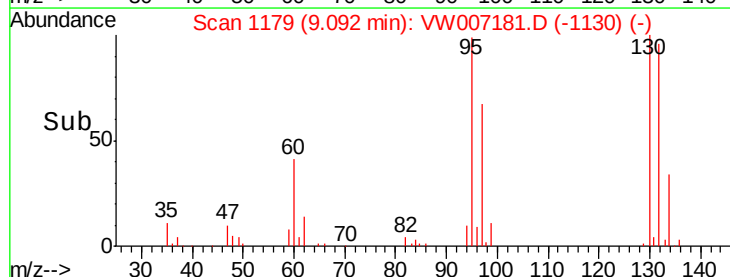
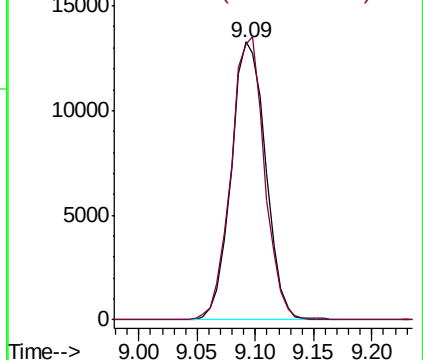
Ion Ratio Lower Upper

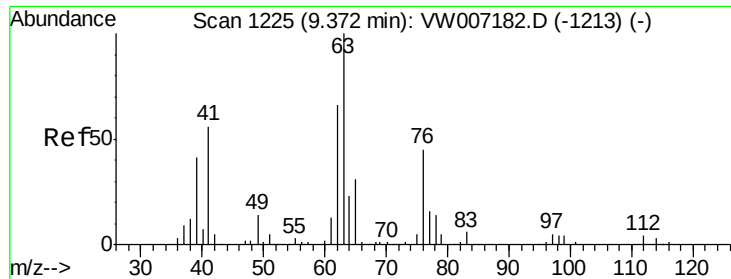
130 100

95 99.1 0.0 194.0



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

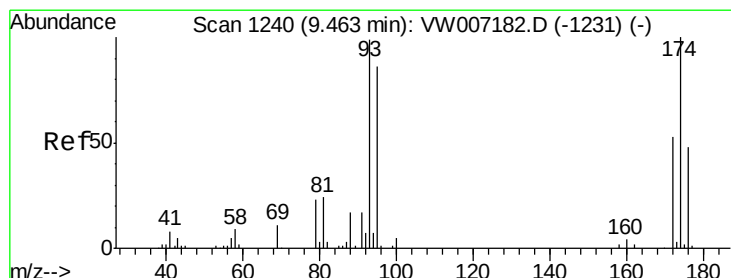
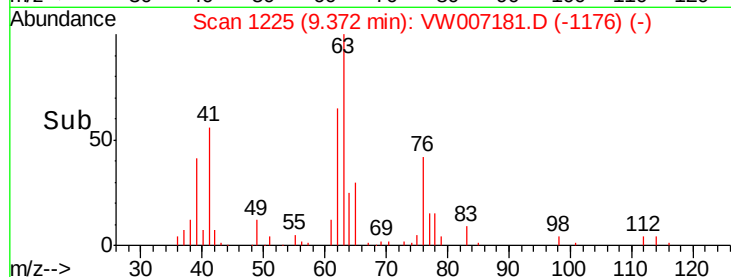
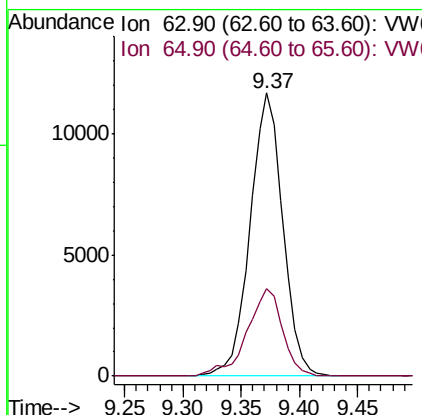
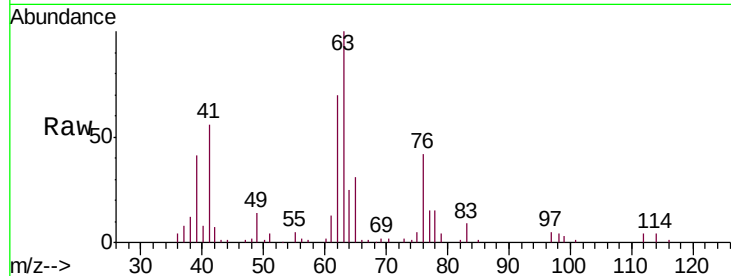




#45
 1,2-Dichloropropane
 Concen: 20.914 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

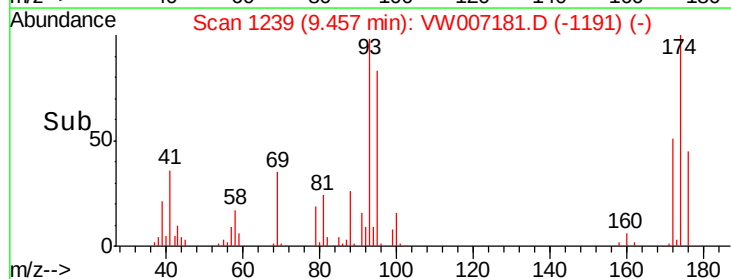
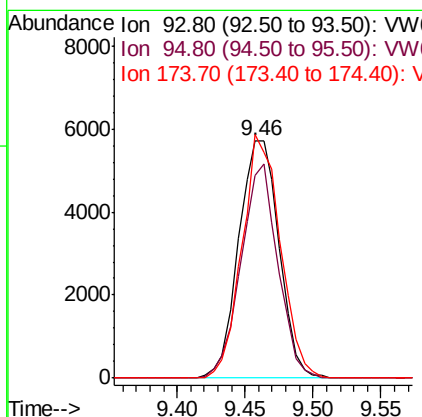
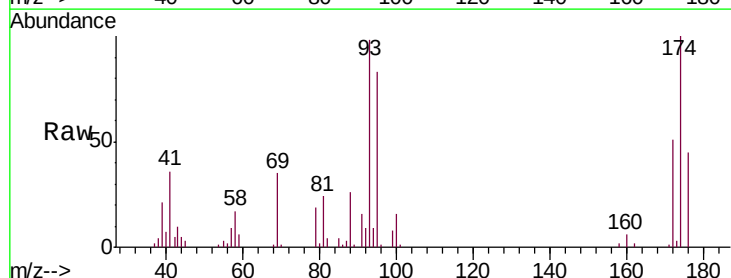
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

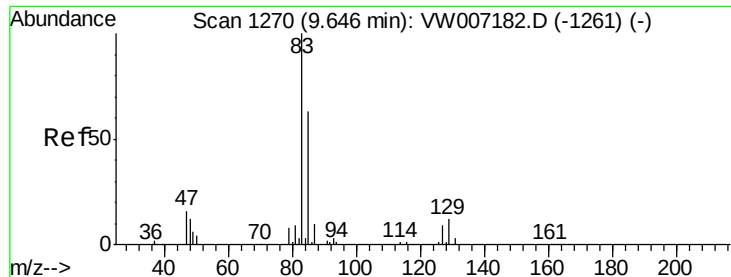
Tgt Ion: 63 Resp: 22854
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.4



#46
 Dibromomethane
 Concen: 20.913 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Tgt Ion: 93 Resp: 11875
 Ion Ratio Lower Upper
 93 100
 95 82.3 68.7 103.1
 174 97.3 82.9 124.3





#47

Bromodichloromethane

Concen: 20.455 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

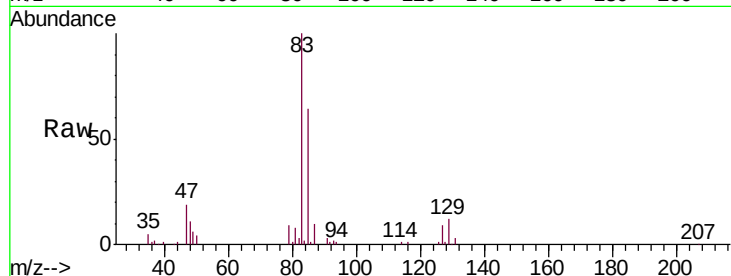
Tgt Ion: 83 Resp: 30552

Ion Ratio Lower Upper

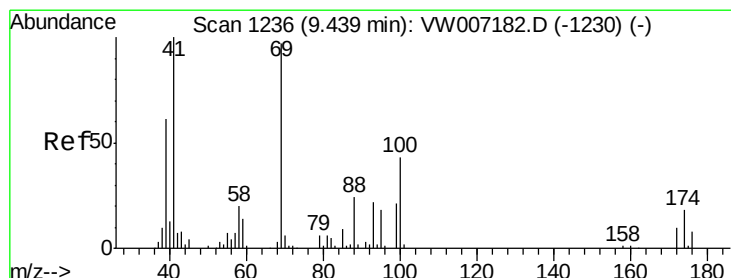
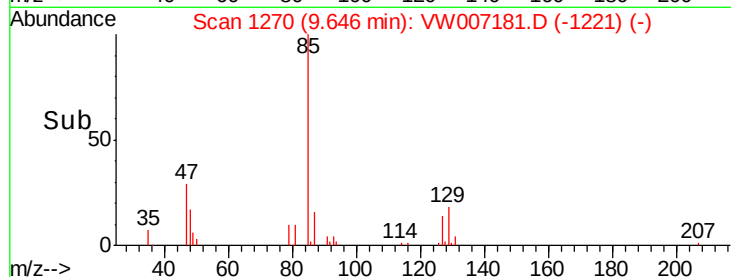
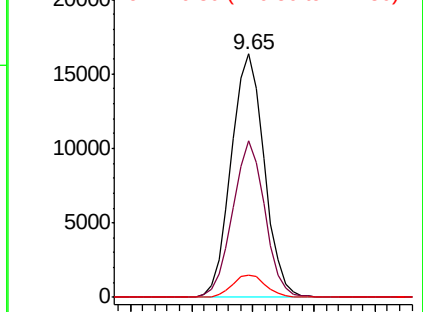
83 100

85 64.3 50.6 76.0

127 8.9 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.795 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

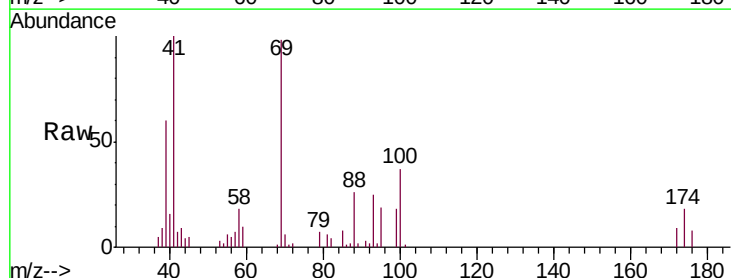
Tgt Ion: 41 Resp: 11736

Ion Ratio Lower Upper

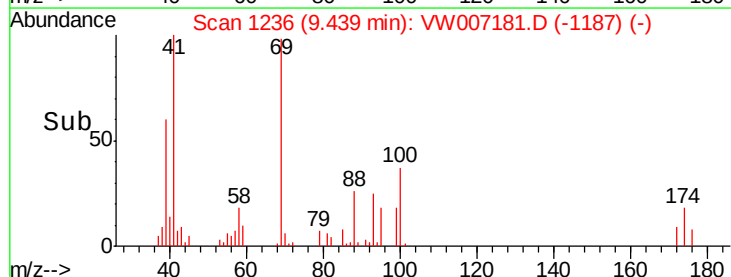
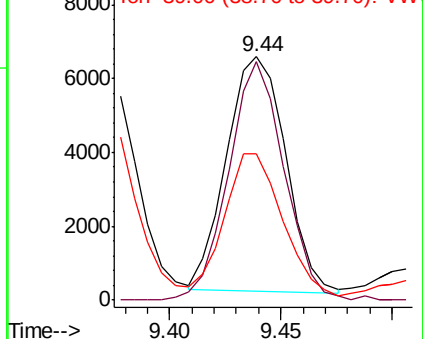
41 100

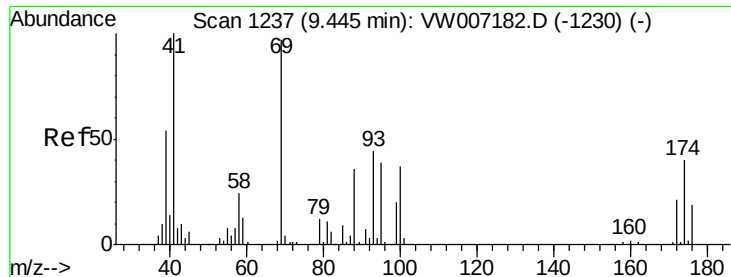
69 95.7 69.6 104.4

39 58.7 42.4 63.6



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

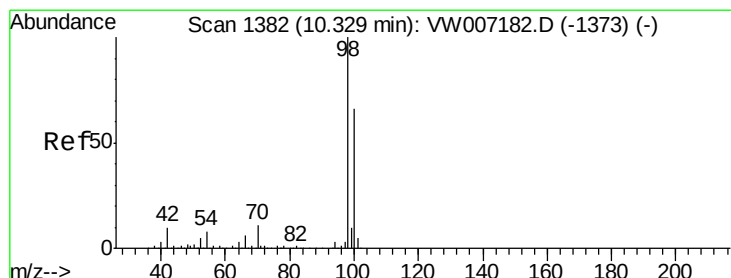
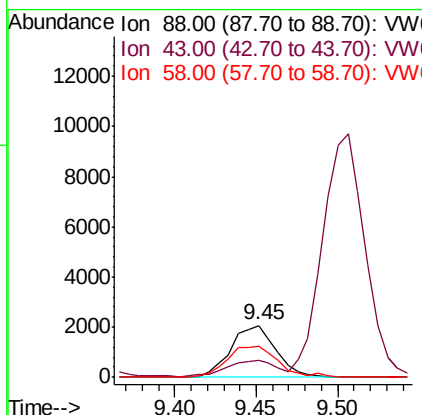
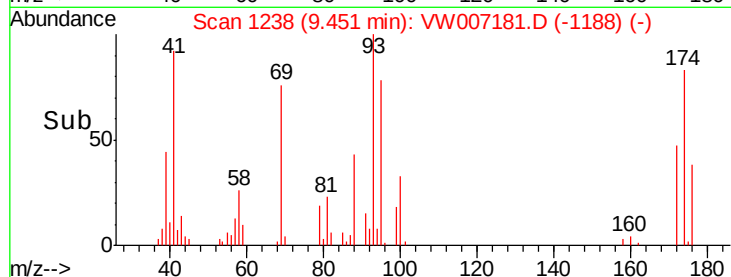
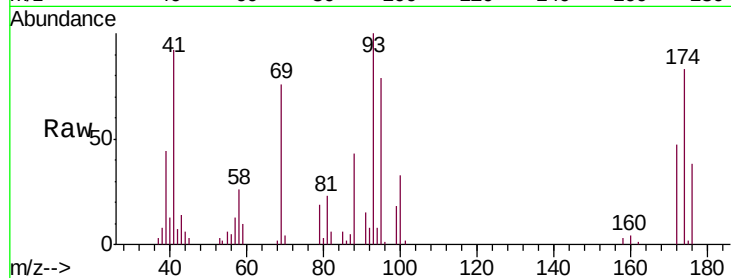




#49
1,4-Dioxane
Concen: 398.210 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

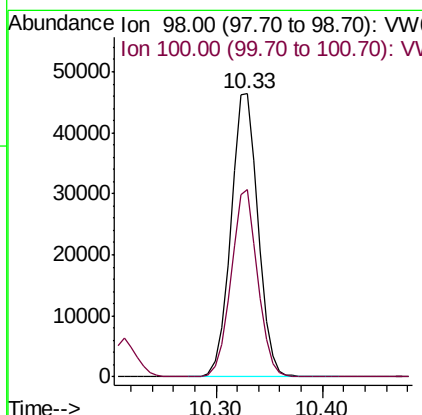
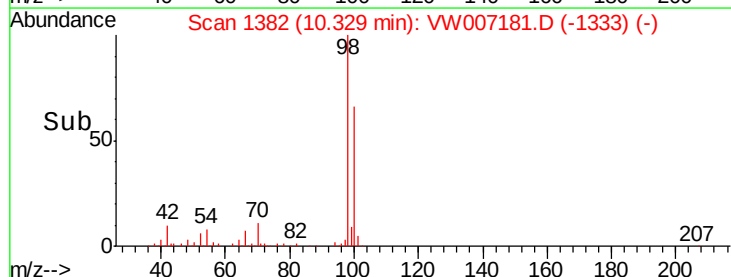
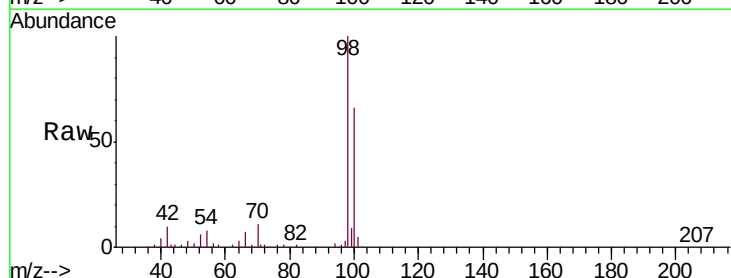
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

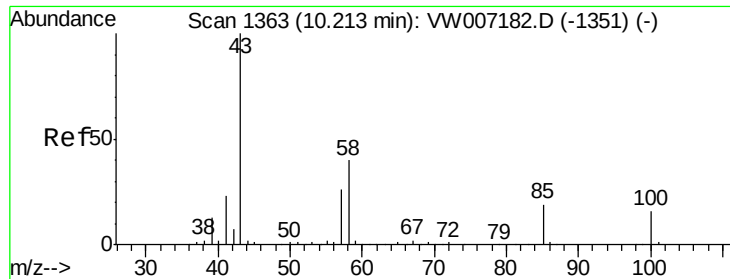
Tgt Ion: 88 Resp: 3950
Ion Ratio Lower Upper
88 100
43 38.1 25.8 38.8
58 69.0 58.9 88.3



#50
Toluene-d8
Concen: 18.700 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion: 98 Resp: 83013
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 99.058 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

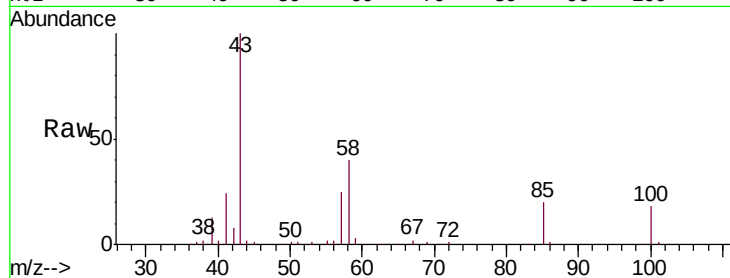
VSTDIC020

Tgt Ion: 43 Resp: 58730

Ion Ratio Lower Upper

43 100

58 40.2 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

40000

30000

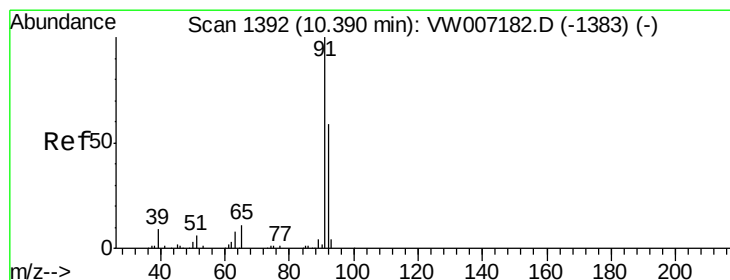
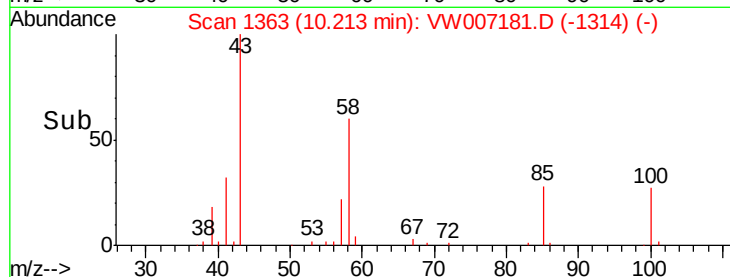
20000

10000

0

Time-->

10.10 10.20 10.30



#52

Toluene

Concen: 20.134 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007181.D

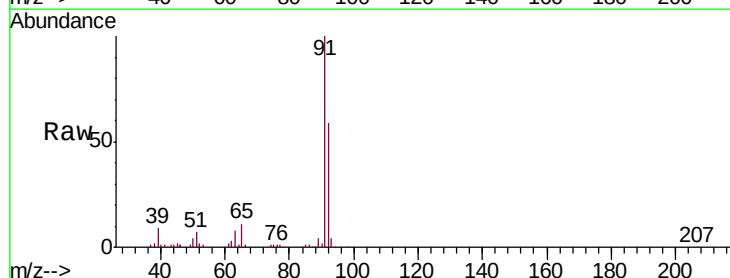
Acq: 04 Dec 2018 12:04

Tgt Ion: 92 Resp: 65767

Ion Ratio Lower Upper

92 100

91 172.4 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

60000

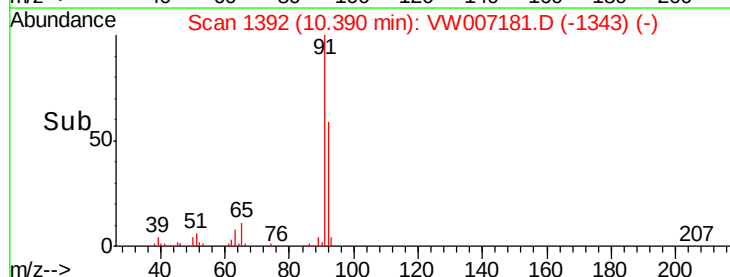
40000

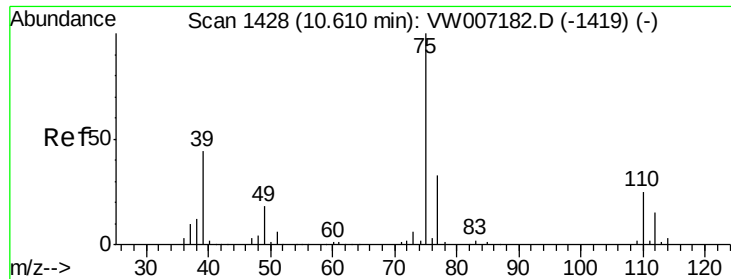
20000

0

Time-->

10.30 10.40

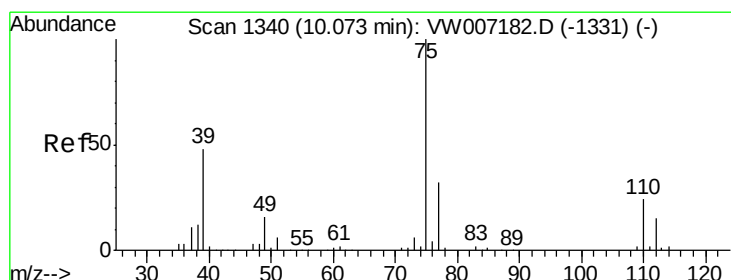
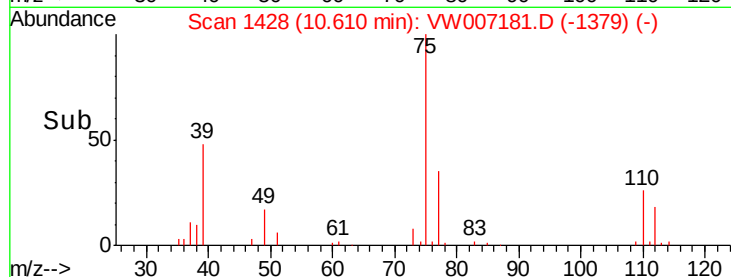
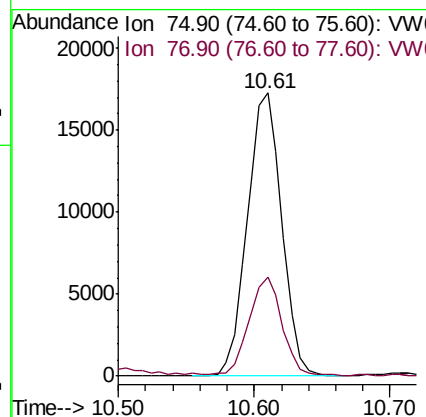
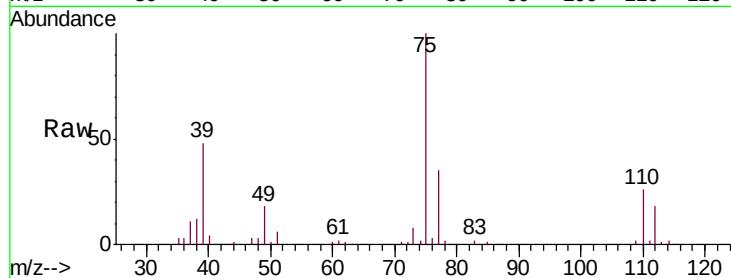




#53
t-1,3-Dichloropropene
Concen: 20.338 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

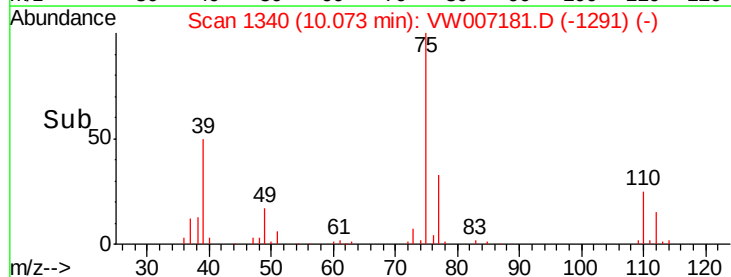
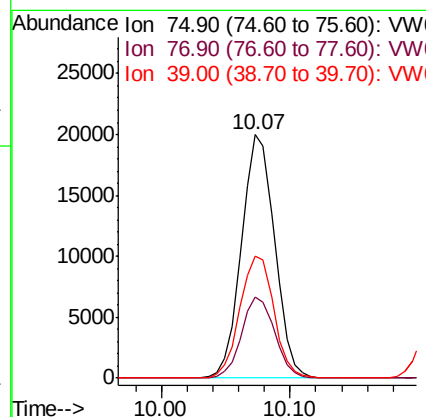
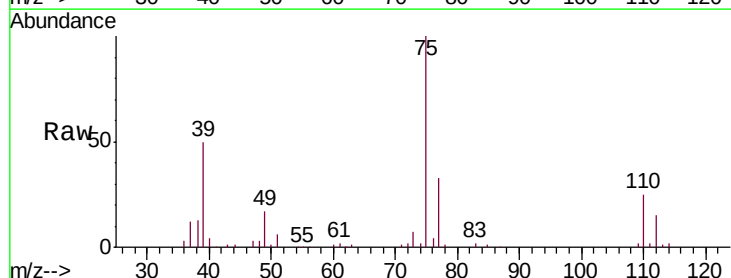
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

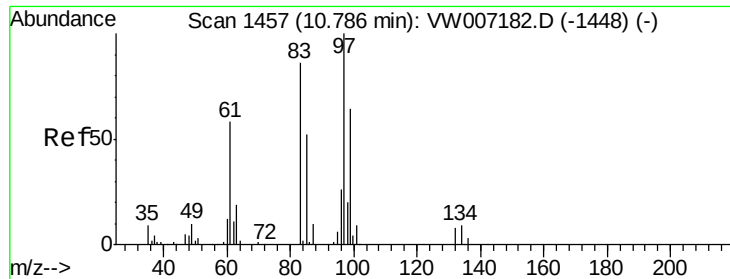
Tgt Ion: 75 Resp: 30542
Ion Ratio Lower Upper
75 100
77 34.5 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 20.225 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion: 75 Resp: 35593
Ion Ratio Lower Upper
75 100
77 33.3 26.0 39.0
39 50.0 38.0 57.0

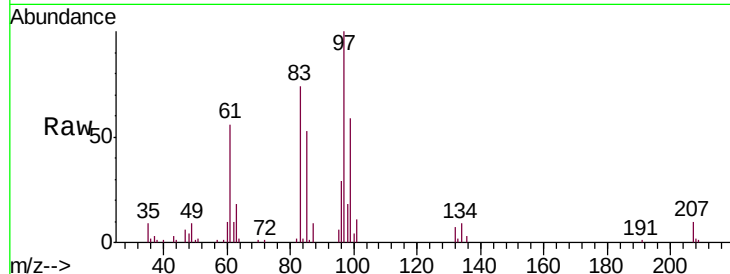




#55
 1,1,2-Trichloroethane
 Concen: 21.497 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	17363
Ion	Ratio	Lower	Upper
97	100		
83	73.9	68.6	102.8
85	52.9	41.4	62.2
99	58.7	51.2	76.8



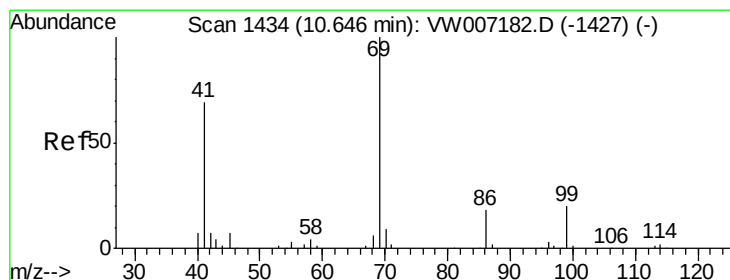
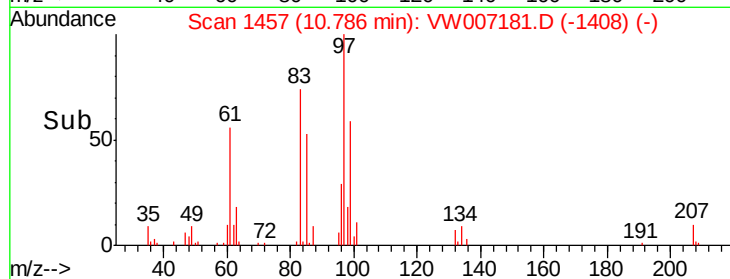
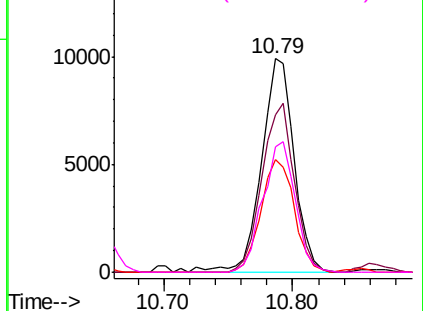
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

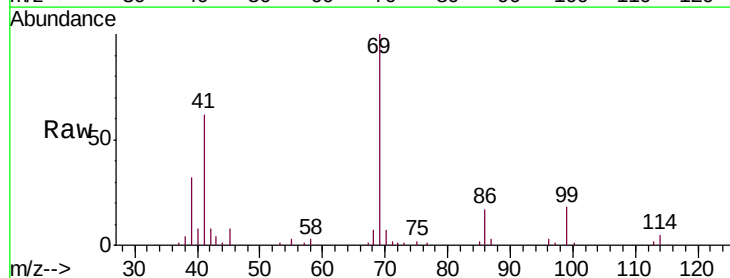
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 19.884 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Tgt Ion:	69	Resp:	20949
Ion	Ratio	Lower	Upper
69	100		
41	69.6	51.8	77.6
39	34.6	28.7	43.1

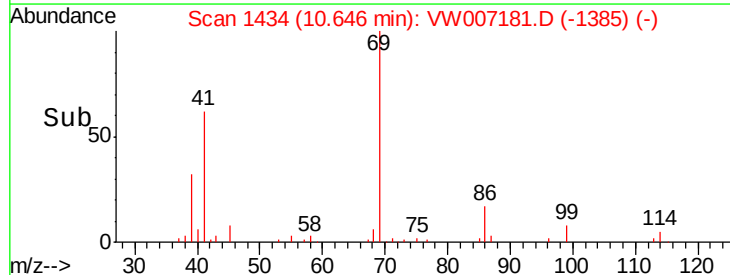
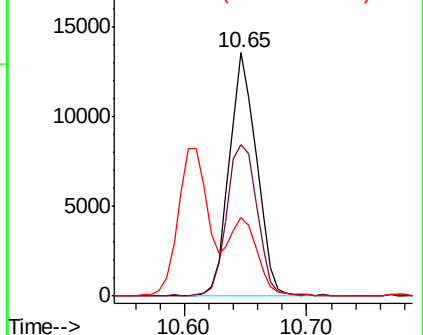


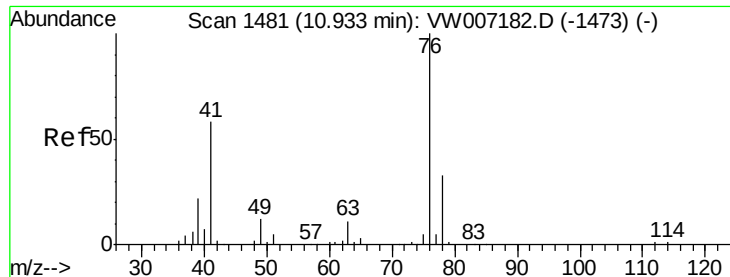
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

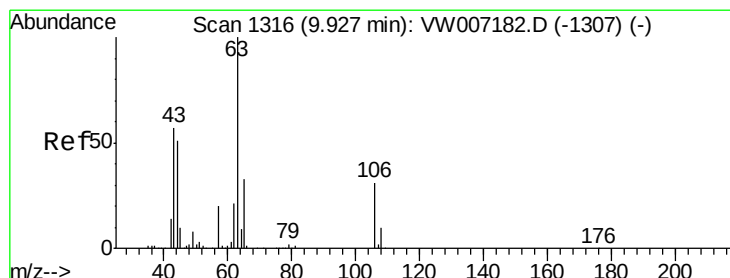
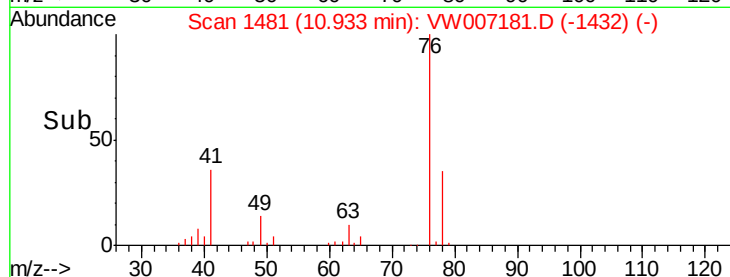
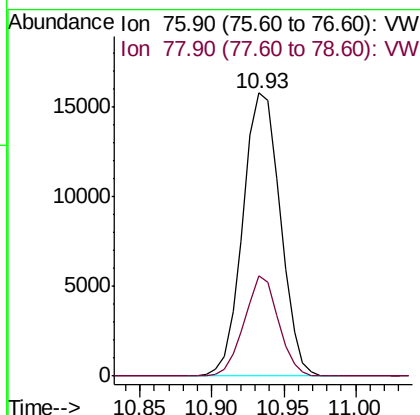
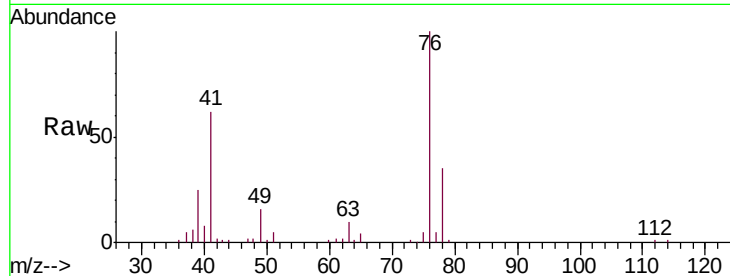




#57
 1,3-Dichloropropane
 Concen: 20.880 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

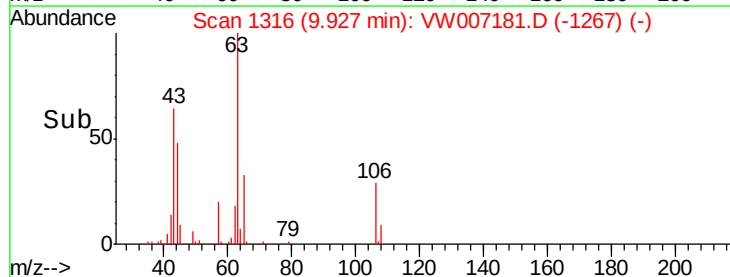
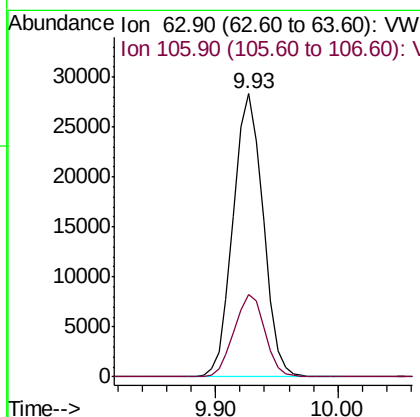
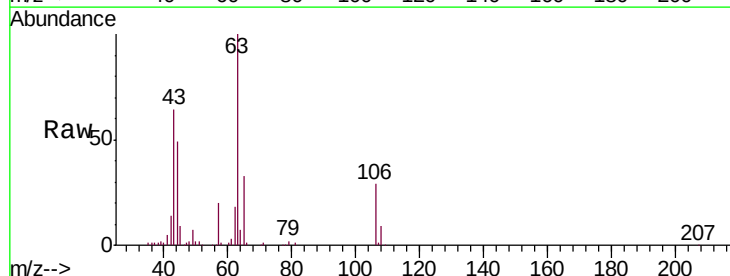
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

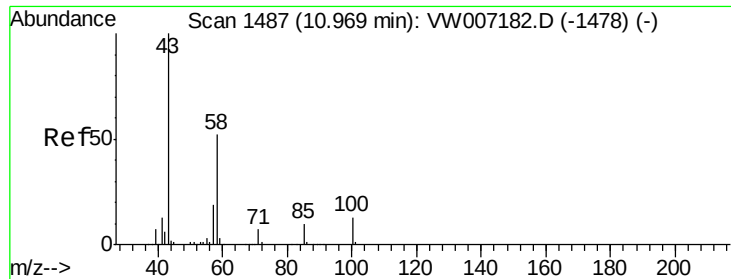
Tgt Ion: 76 Resp: 28472
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.799 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Tgt Ion: 63 Resp: 48158
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.1 36.1

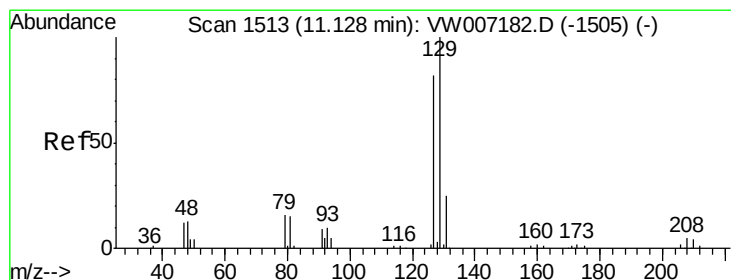
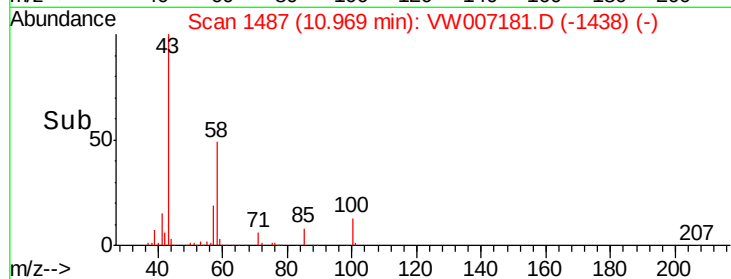
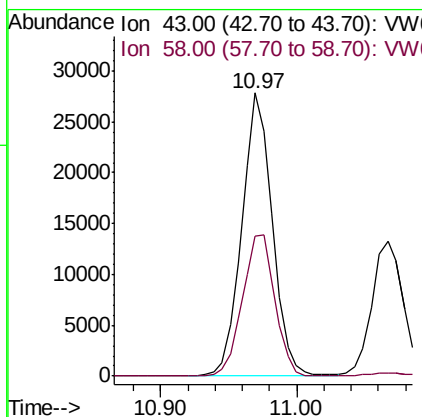
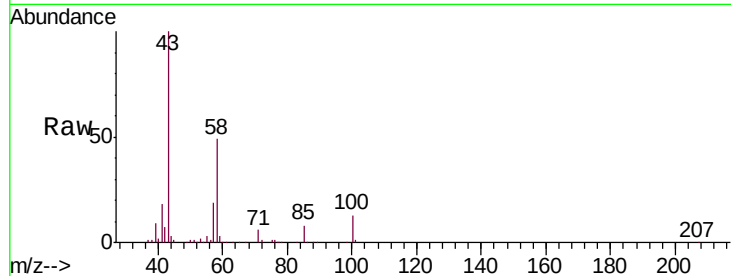




#59
2-Hexanone
Concen: 101.802 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

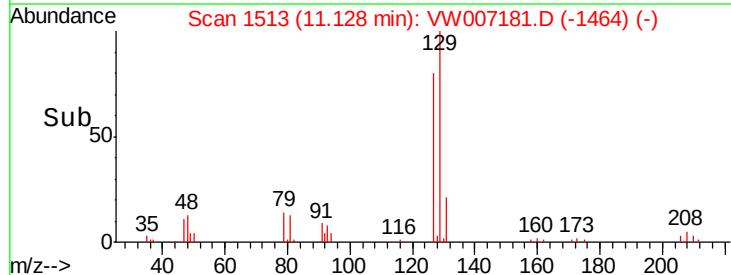
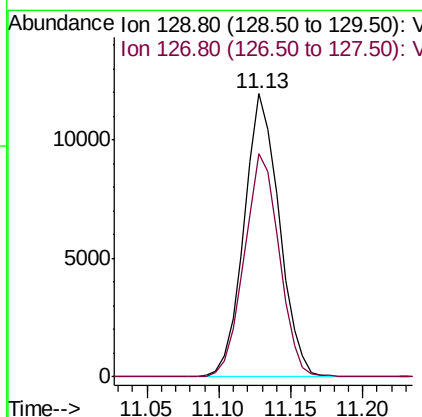
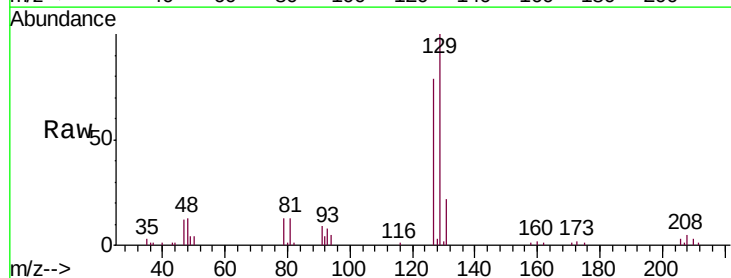
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

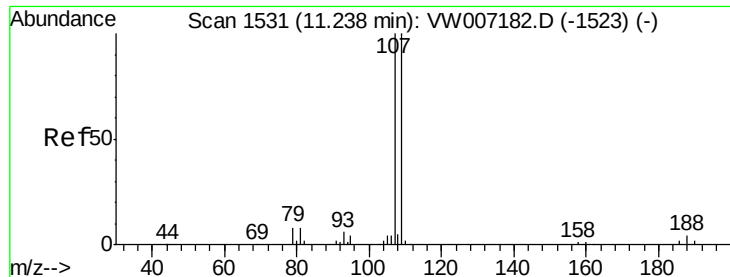
Tgt Ion: 43 Resp: 43754
Ion Ratio Lower Upper
43 100
58 53.2 28.1 84.4



#60
Dibromochloromethane
Concen: 20.310 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion: 129 Resp: 20162
Ion Ratio Lower Upper
129 100
127 78.2 39.8 119.4





#61

1,2-Dibromoethane

Concen: 20.913 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

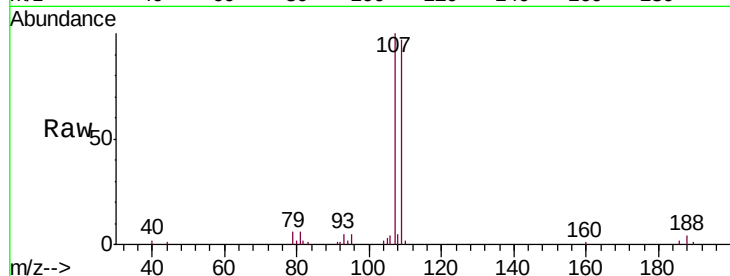
VSTDIC020

Tgt Ion: 107 Resp: 16201

Ion Ratio Lower Upper

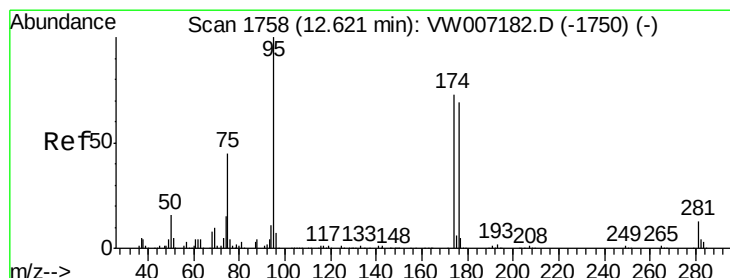
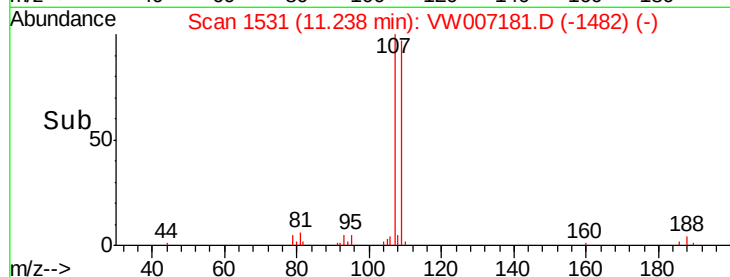
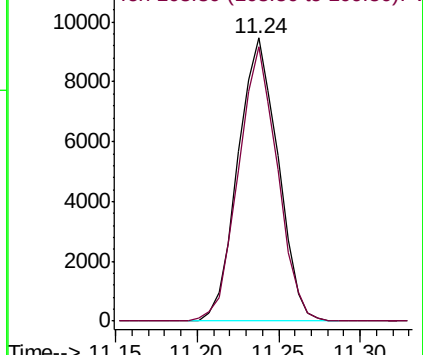
107 100

109 94.1 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.918 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

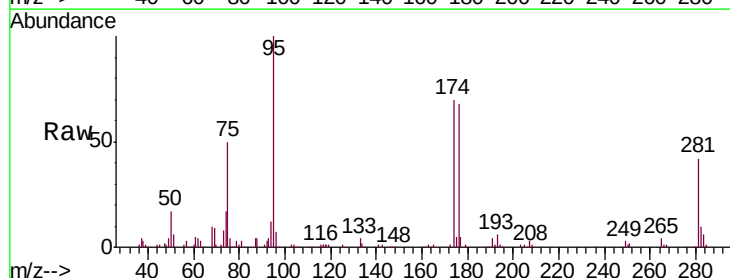
Tgt Ion: 95 Resp: 31697

Ion Ratio Lower Upper

95 100

174 73.0 0.0 148.0

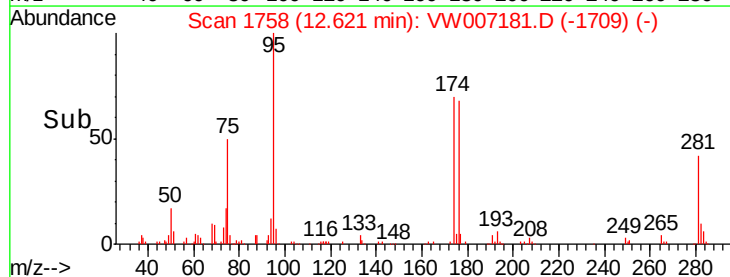
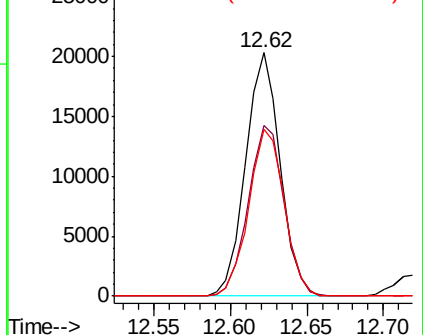
176 71.0 0.0 139.4

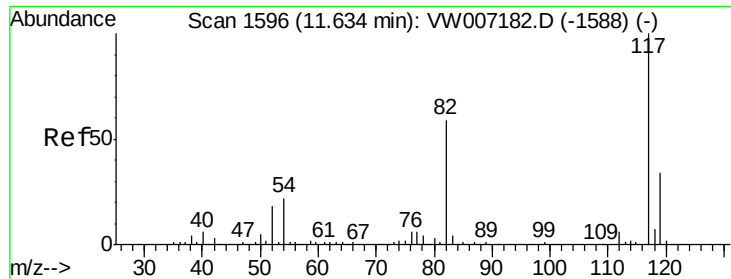


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

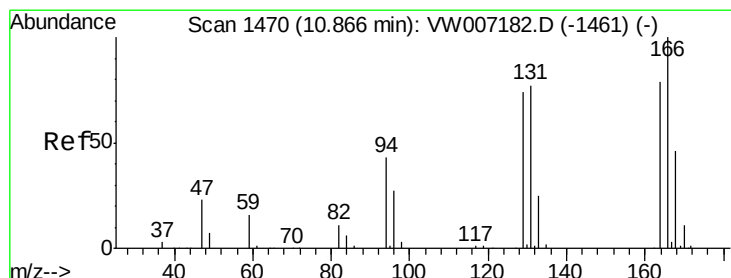
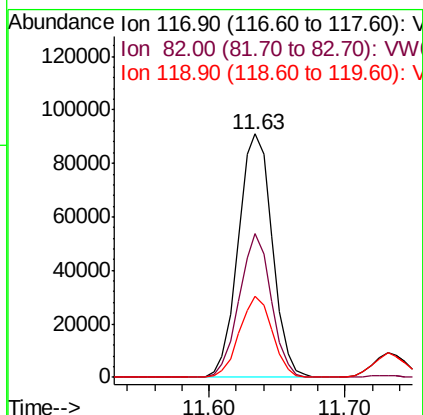
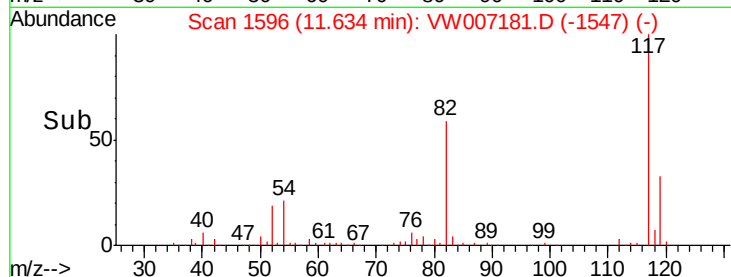
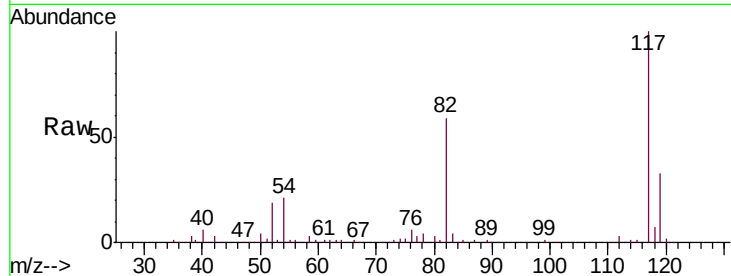




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

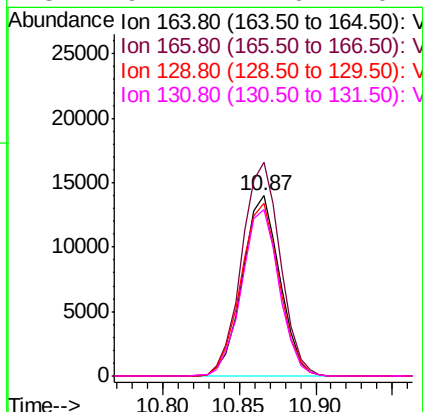
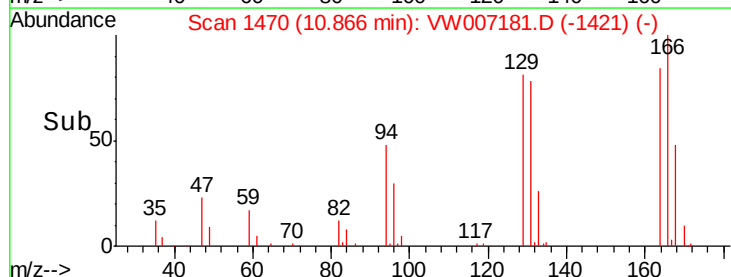
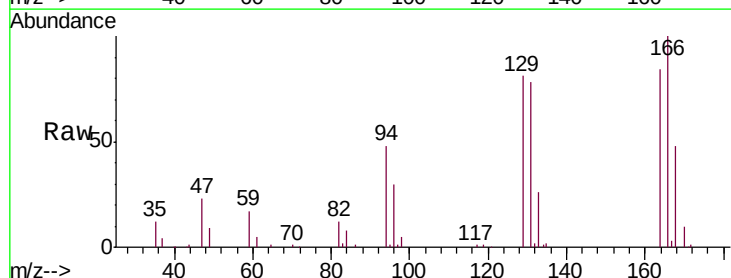
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

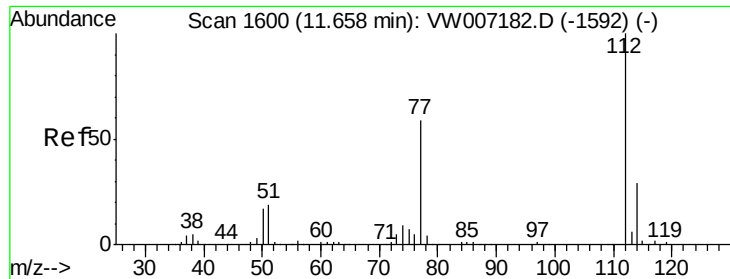
Tgt Ion:117 Resp: 158562
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 33.2 26.8 40.2



#64
Tetrachloroethene
Concen: 20.498 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion:164 Resp: 23747
Ion Ratio Lower Upper
164 100
166 118.6 101.0 151.4
129 96.1 74.6 111.8
131 92.2 77.6 116.4

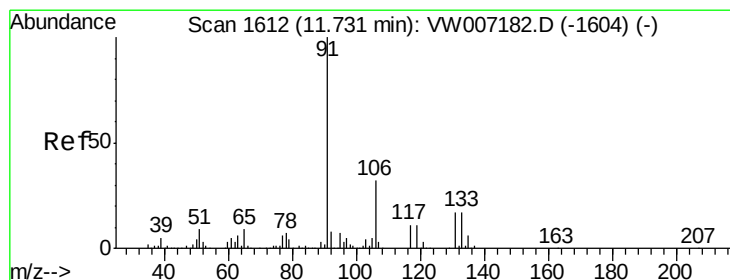
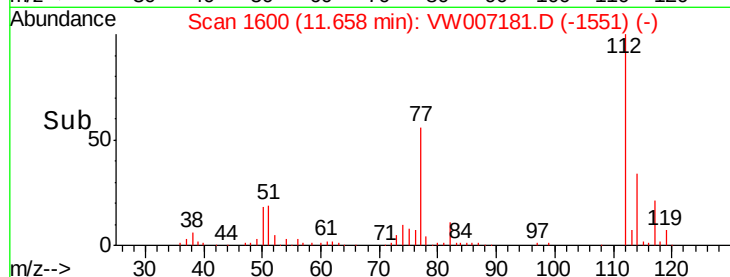
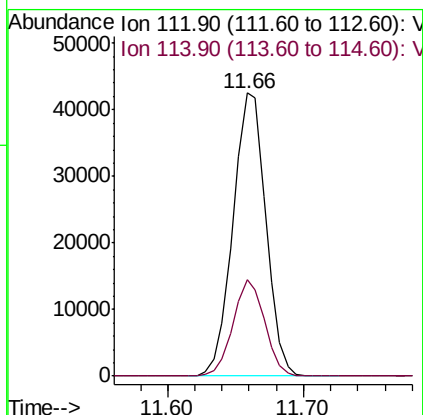
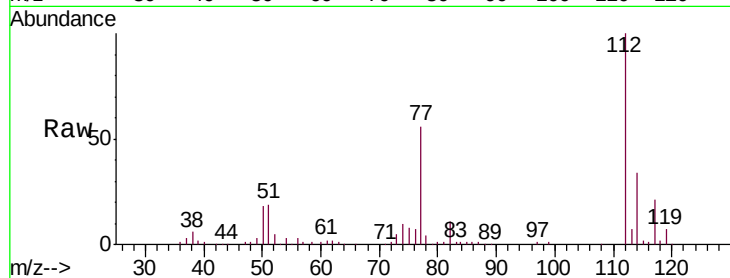




#65
Chlorobenzene
Concen: 20.240 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

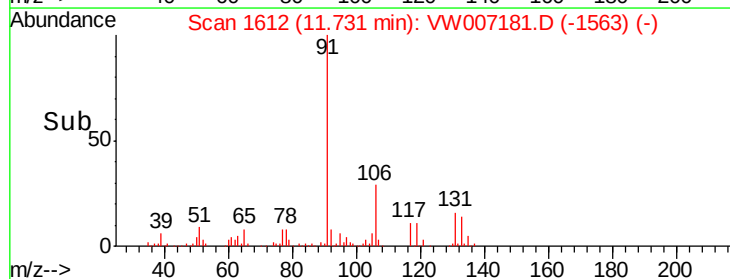
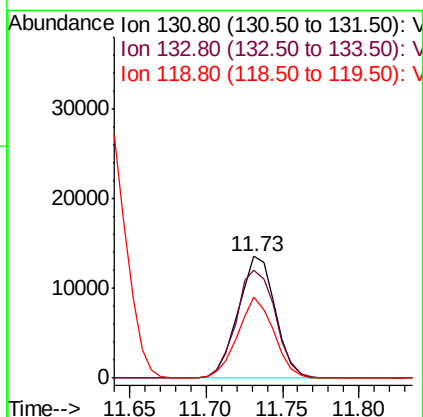
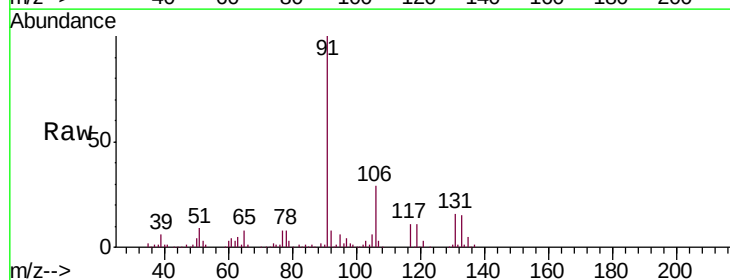
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

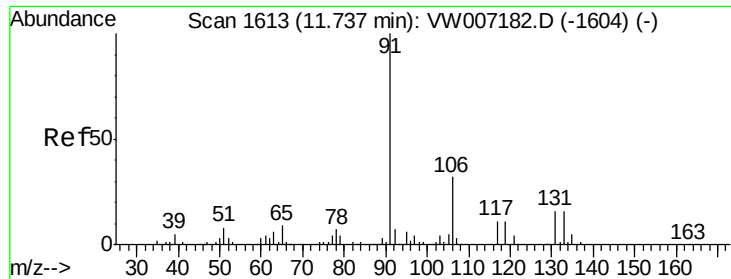
Tgt Ion:112 Resp: 71677
Ion Ratio Lower Upper
112 100
114 34.2 23.0 34.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.931 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion:131 Resp: 22892
Ion Ratio Lower Upper
131 100
133 93.9 48.0 144.2
119 64.9 32.8 98.4

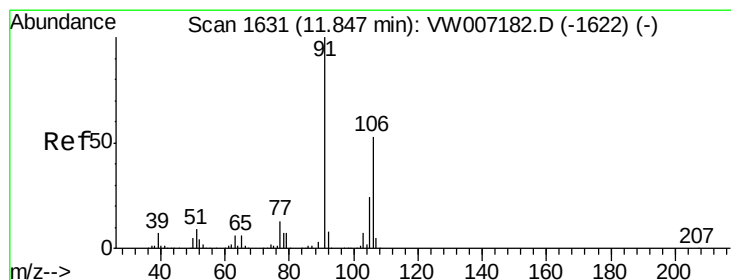
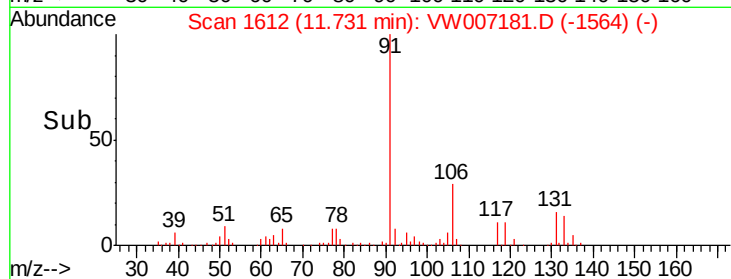
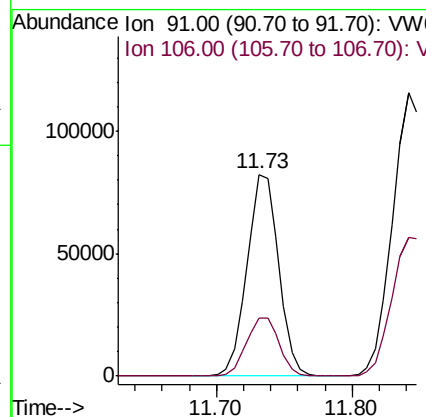
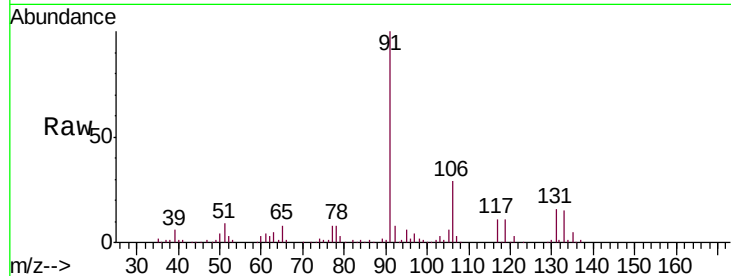




#67
Ethyl Benzene
Concen: 20.775 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

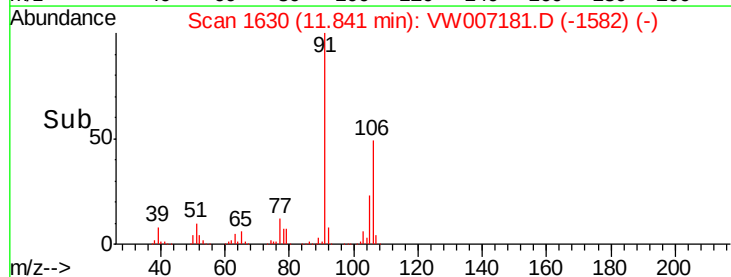
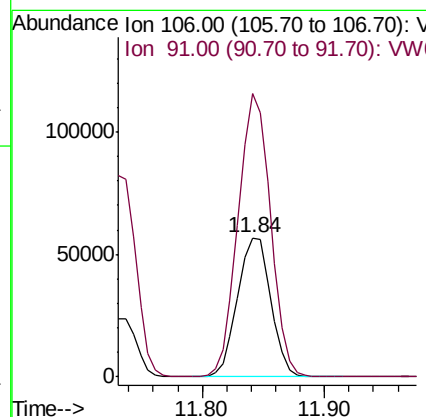
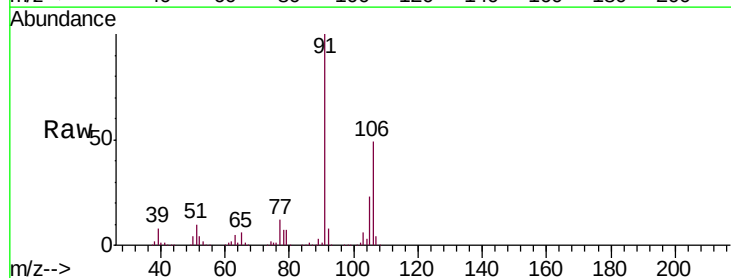
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

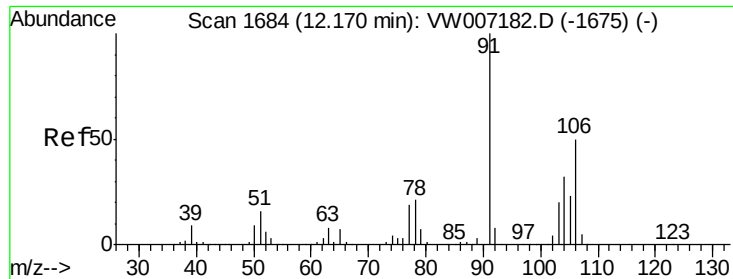
Tgt Ion: 91 Resp: 134090
Ion Ratio Lower Upper
91 100
106 29.1 26.0 39.0



#68
m/p-Xylenes
Concen: 42.342 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion: 106 Resp: 107212
Ion Ratio Lower Upper
106 100
91 198.3 160.2 240.4

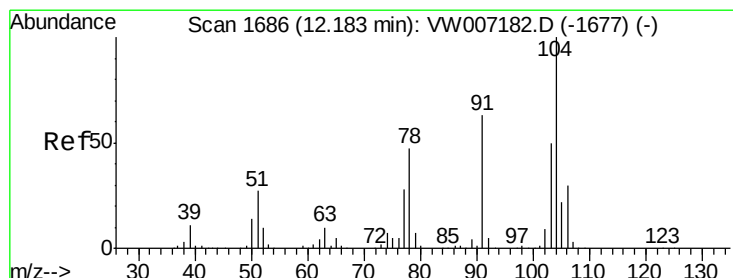
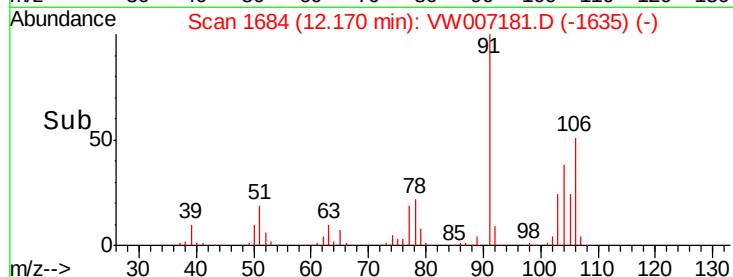
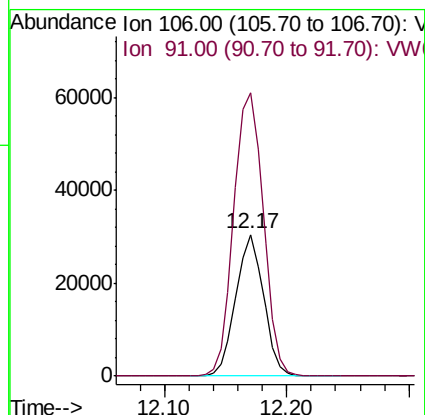
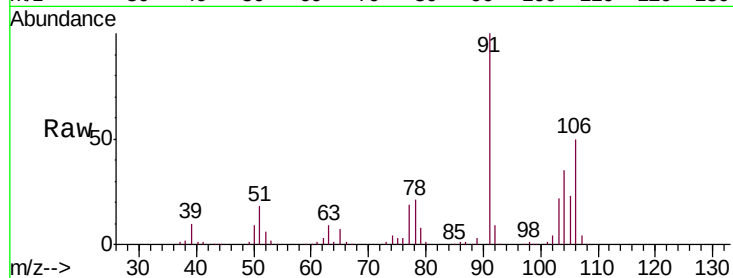




#69
o-Xylene
Concen: 20.271 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

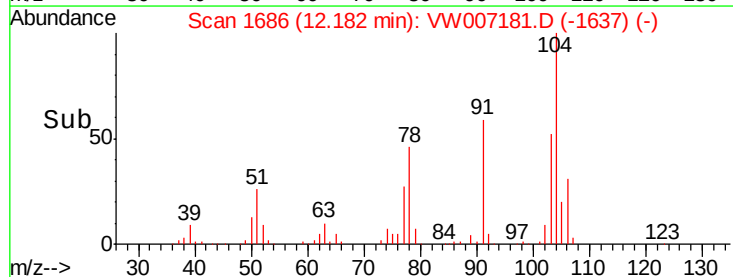
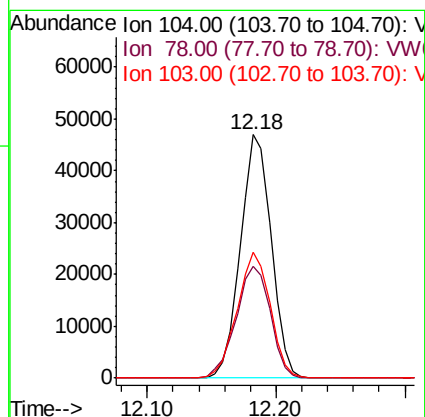
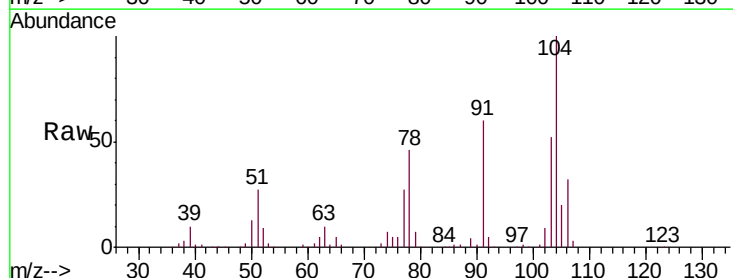
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

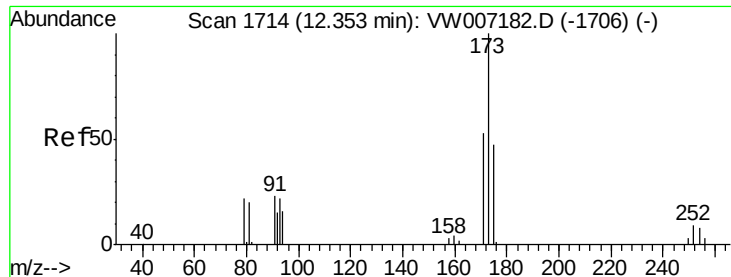
Tgt Ion:106 Resp: 47956
Ion Ratio Lower Upper
106 100
91 213.1 104.9 314.7



#70
Styrene
Concen: 20.120 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion:104 Resp: 77915
Ion Ratio Lower Upper
104 100
78 51.0 40.6 60.8
103 55.5 43.0 64.4





#71

Bromoform

Concen: 20.786 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

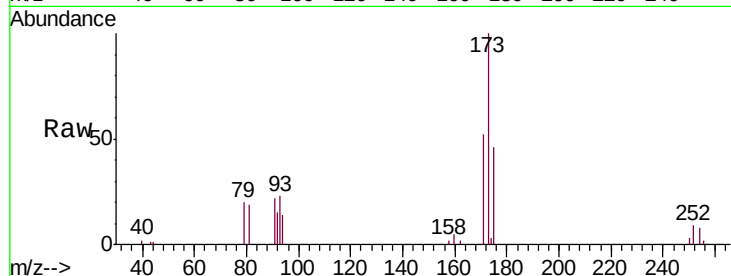
Tgt Ion:173 Resp: 11380

Ion Ratio Lower Upper

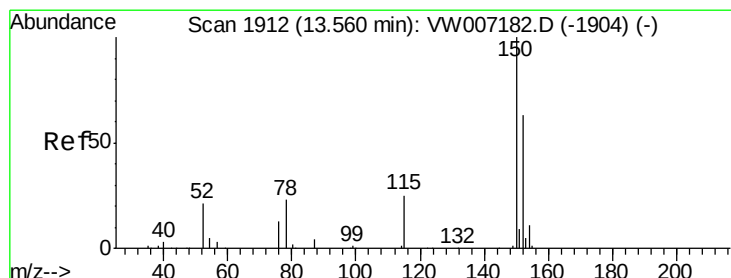
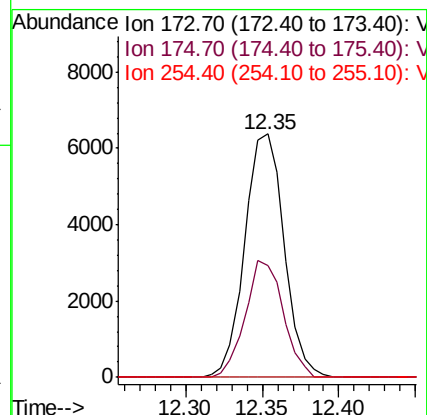
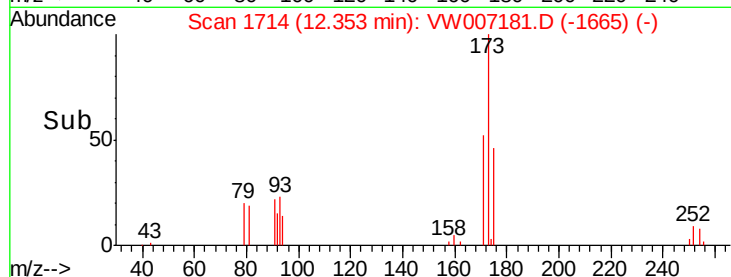
173 100

175 46.3 24.0 72.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

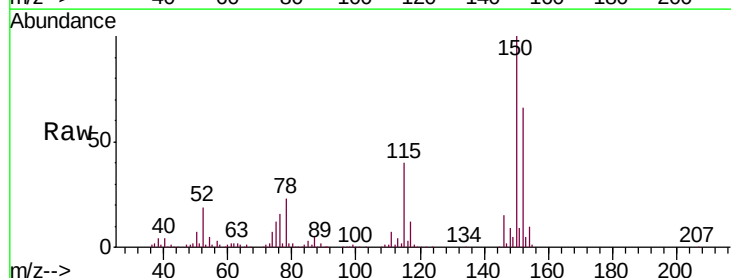
Tgt Ion:152 Resp: 82279

Ion Ratio Lower Upper

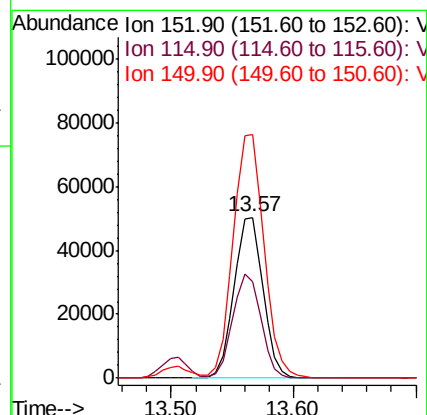
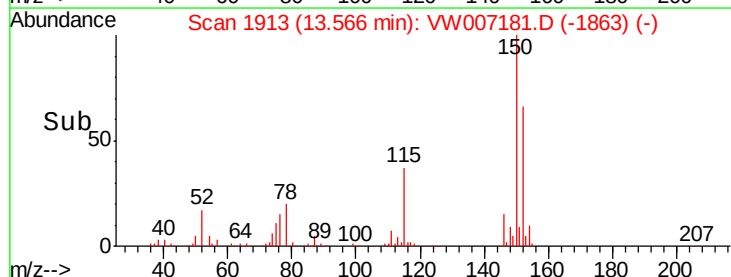
152 100

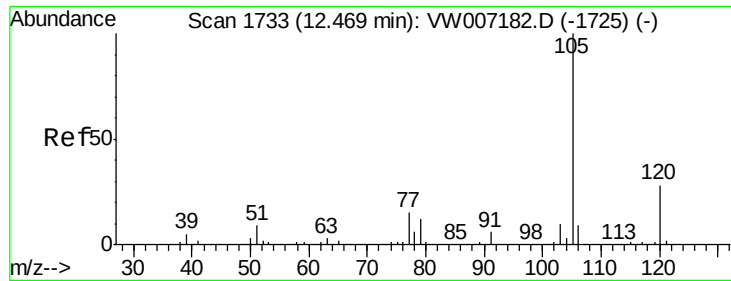
115 63.3 31.3 93.8

150 161.9 0.0 358.0



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





#73

Isopropylbenzene

Concen: 19.326 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

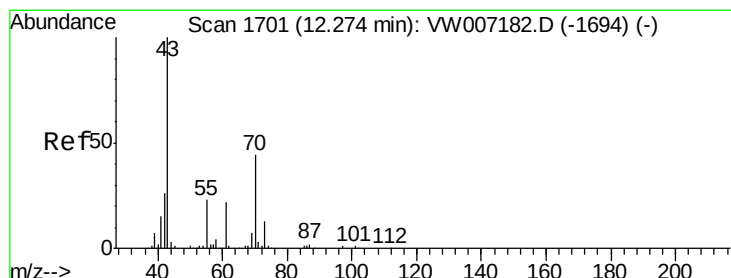
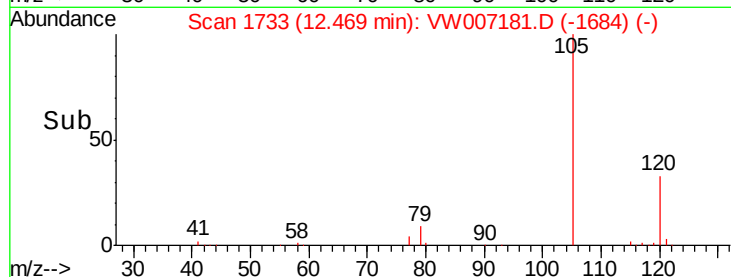
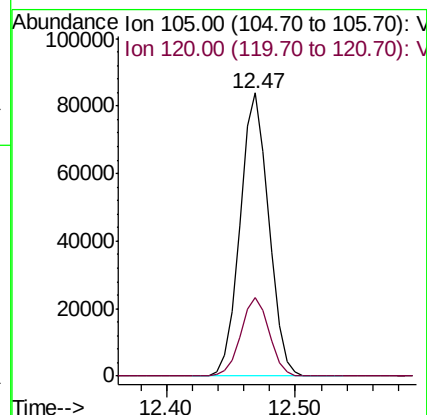
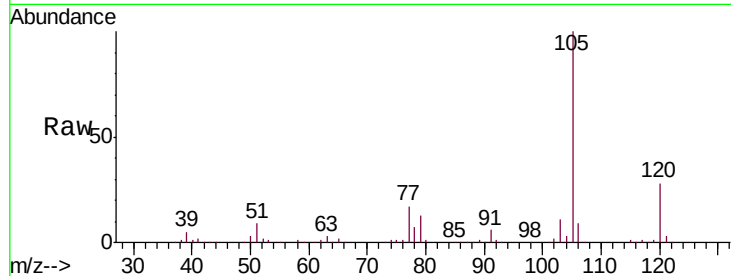
VSTDIC020

Tgt Ion:105 Resp: 129327

Ion Ratio Lower Upper

105 100

120 27.5 13.2 39.6



#74

N-ethyl acetate

Concen: 19.289 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Tgt Ion: 43 Resp: 22886

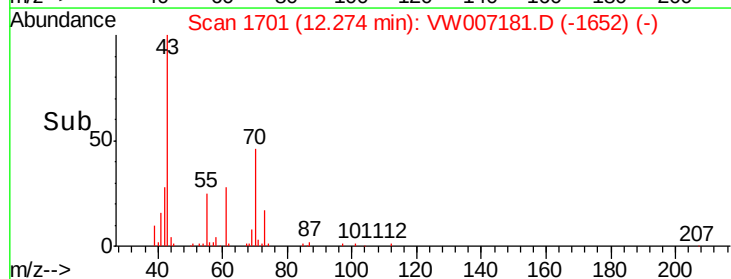
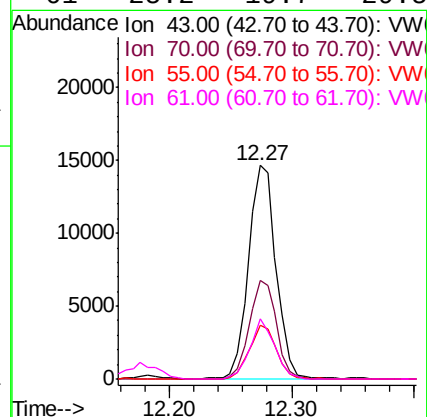
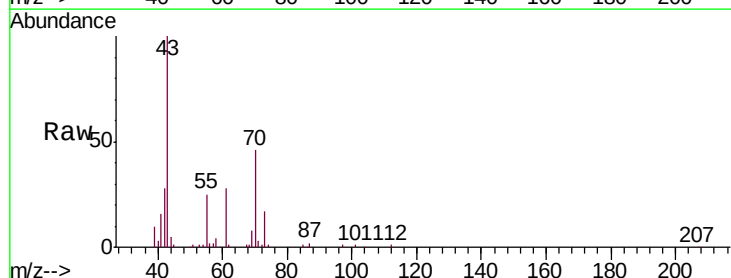
Ion Ratio Lower Upper

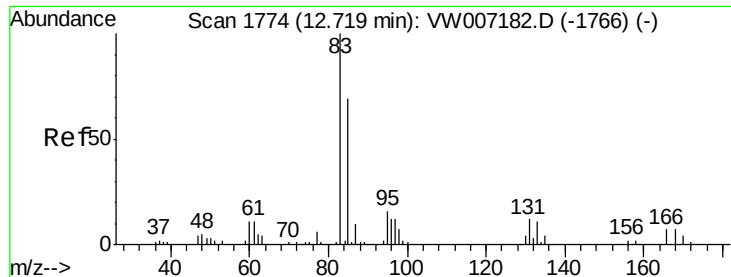
43 100

70 45.4 34.0 51.0

55 25.1 19.0 28.6

61 25.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.240 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

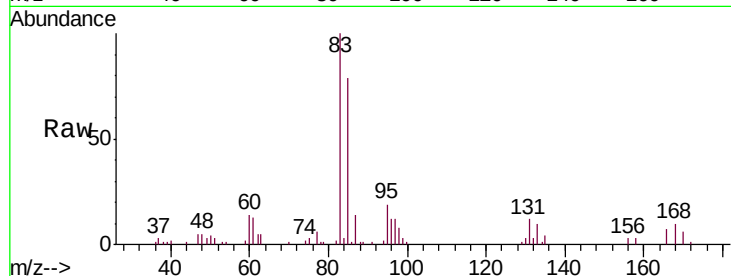
Tgt Ion: 83 Resp: 16722

Ion Ratio Lower Upper

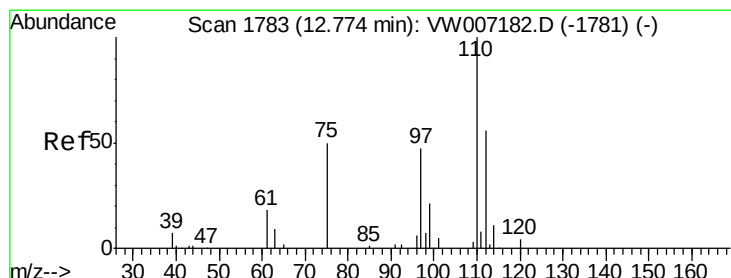
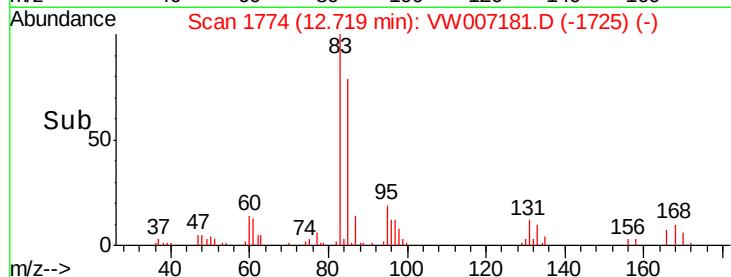
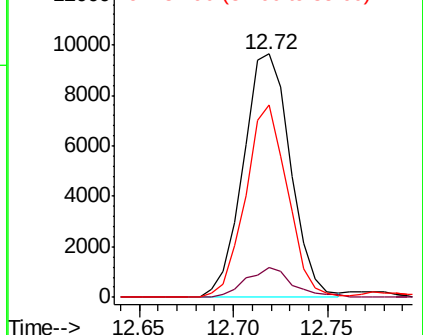
83 100

131 12.1 6.0 18.1

85 70.4 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 22.660 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007181.D

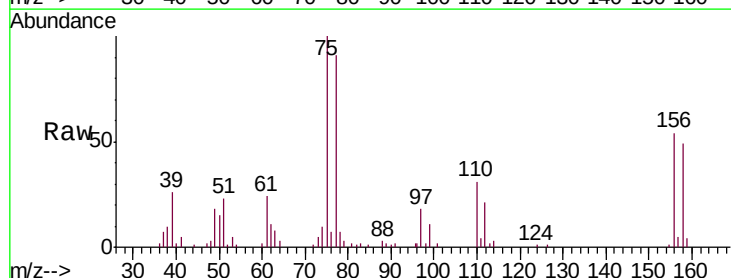
Acq: 04 Dec 2018 12:04

Tgt Ion: 75 Resp: 25059

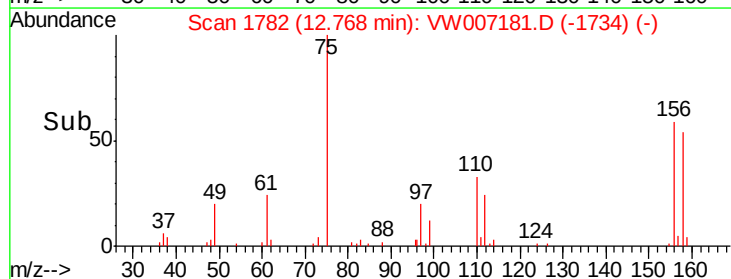
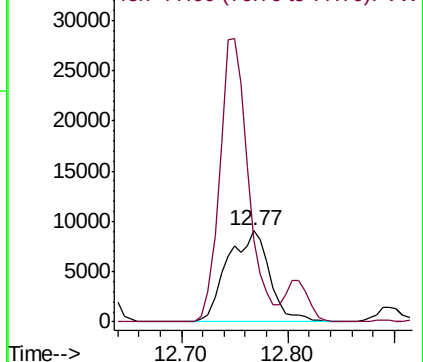
Ion Ratio Lower Upper

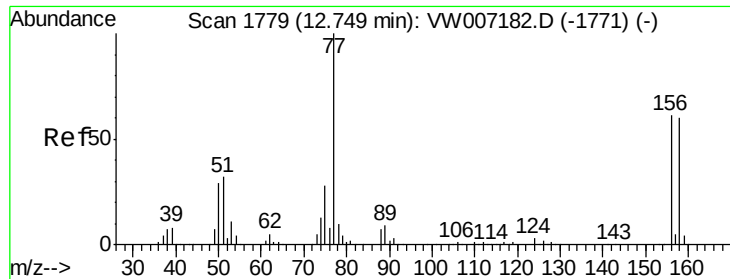
75 100

77 211.4 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: 19.745 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

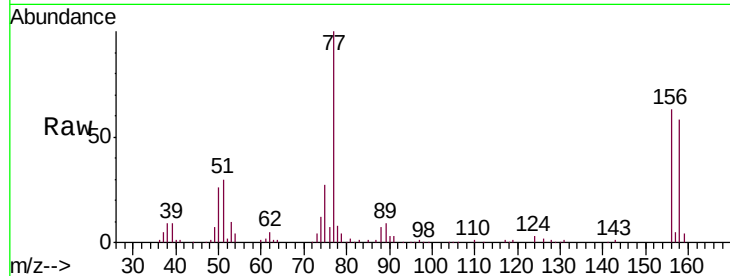
Tgt Ion:156 Resp: 28522

Ion Ratio Lower Upper

156 100

77 185.7 92.0 276.1

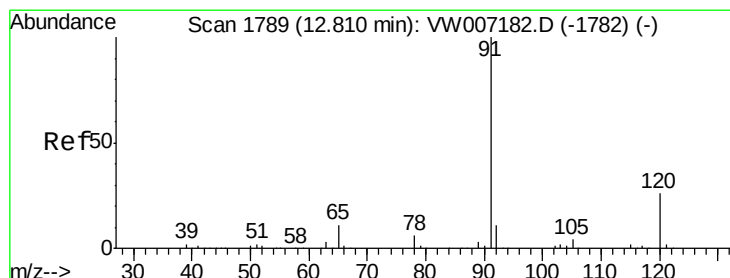
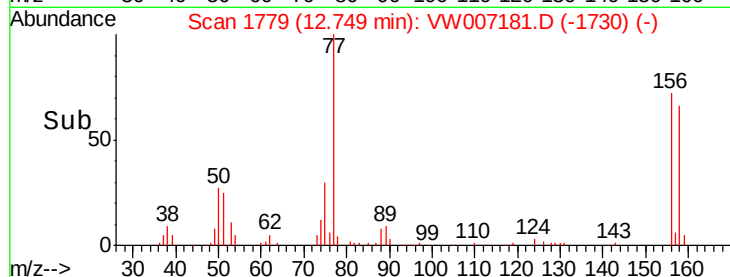
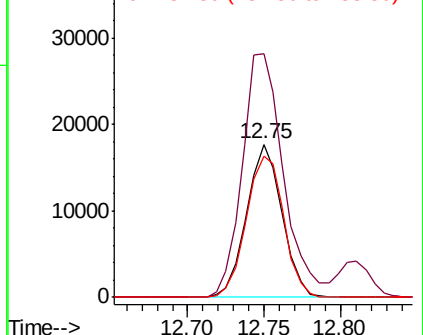
158 97.2 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.759 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007181.D

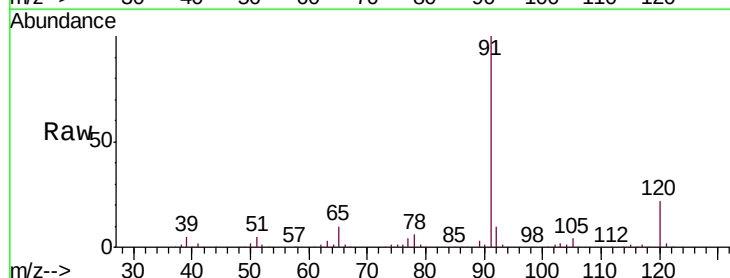
Acq: 04 Dec 2018 12:04

Tgt Ion: 91 Resp: 157533

Ion Ratio Lower Upper

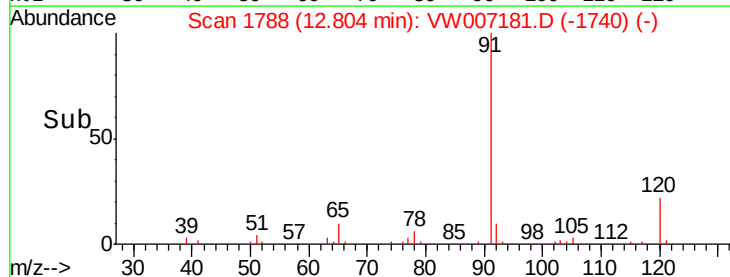
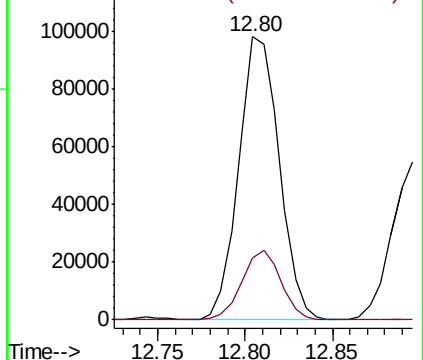
91 100

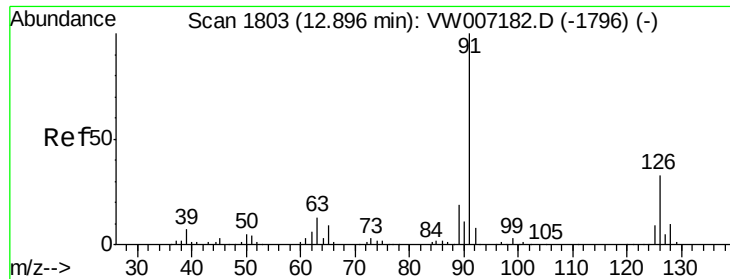
120 23.9 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.545 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

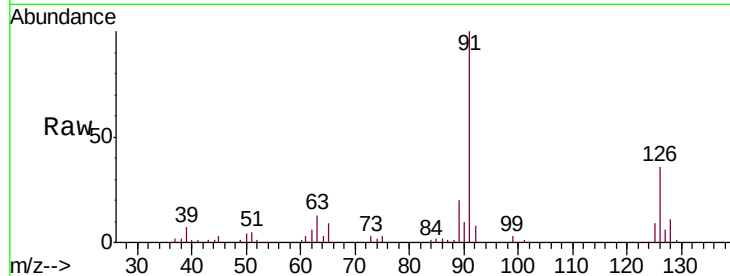
VSTDIC020

Tgt Ion: 91 Resp: 87996

Ion Ratio Lower Upper

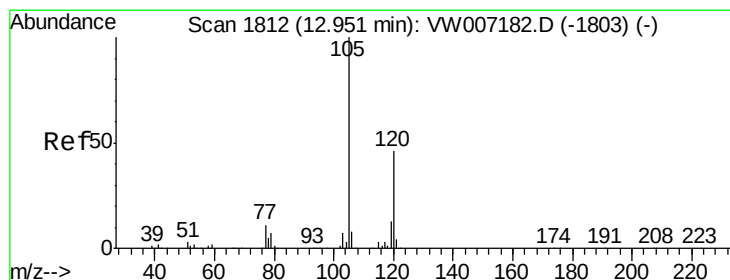
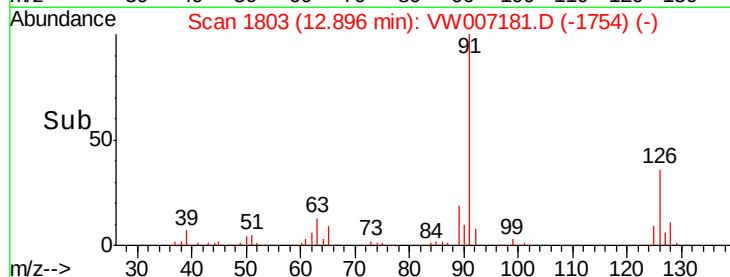
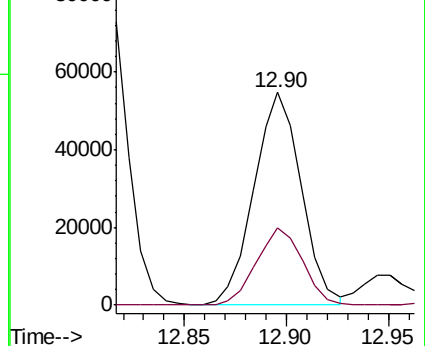
91 100

126 36.0 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.793 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW007181.D

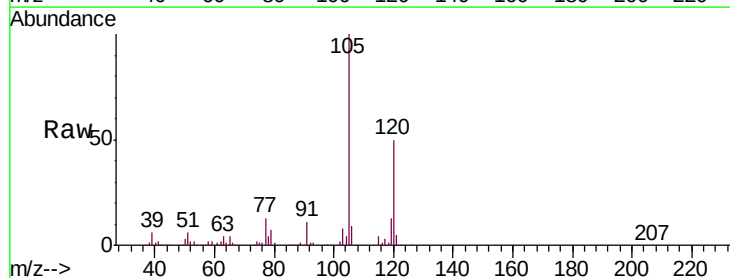
Acq: 04 Dec 2018 12:04

Tgt Ion: 105 Resp: 113311

Ion Ratio Lower Upper

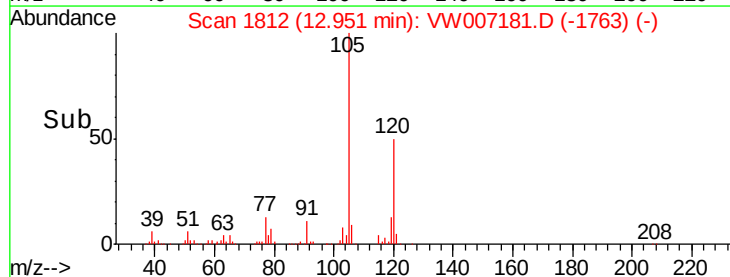
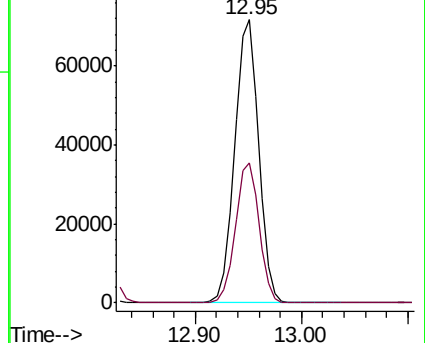
105 100

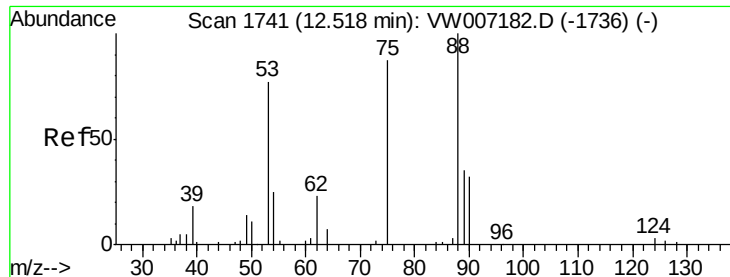
120 49.0 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.492 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007181.D

Acq: 04 Dec 2018 12:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

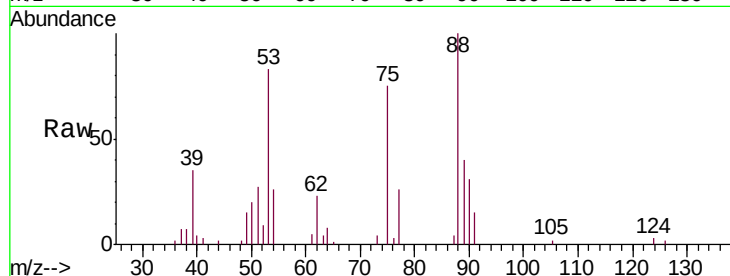
Tgt Ion: 75 Resp: 5466

Ion Ratio Lower Upper

75 100

53 100.8 72.8 109.2

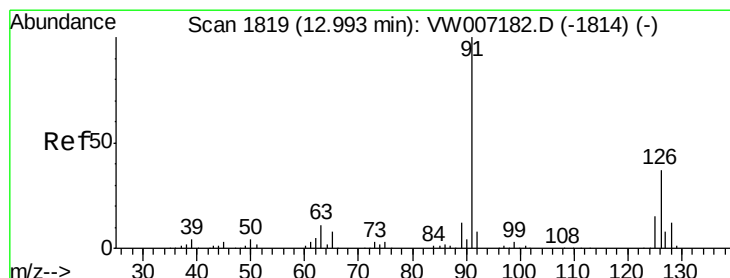
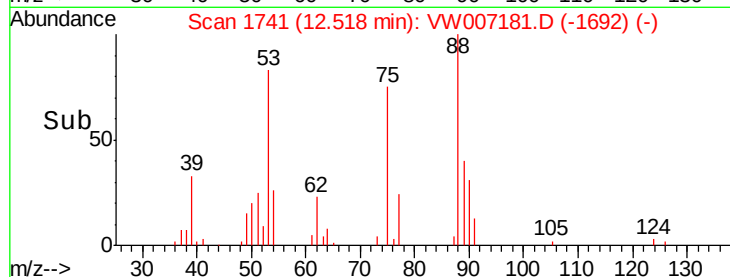
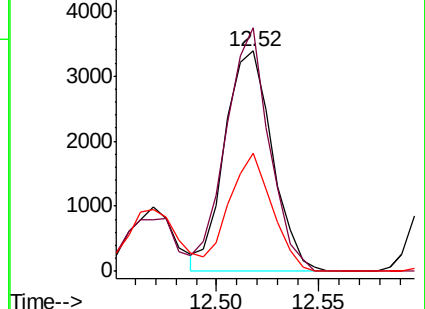
89 48.2 36.4 54.6



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: 20.530 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007181.D

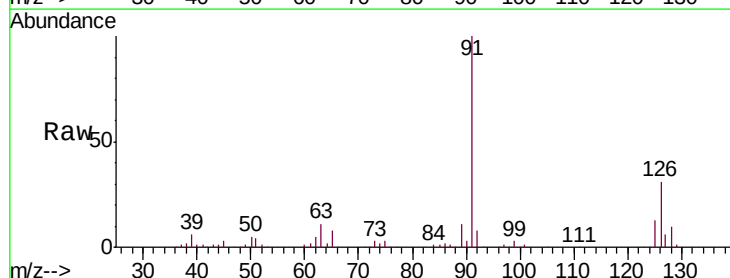
Acq: 04 Dec 2018 12:04

Tgt Ion: 91 Resp: 98331

Ion Ratio Lower Upper

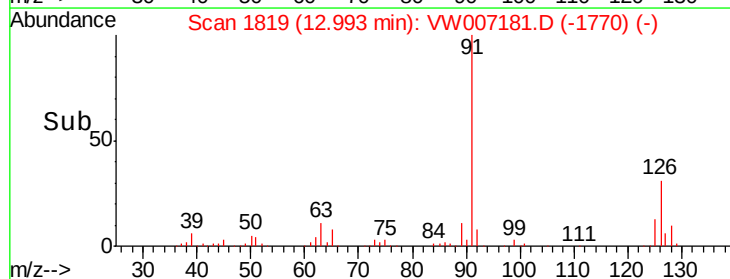
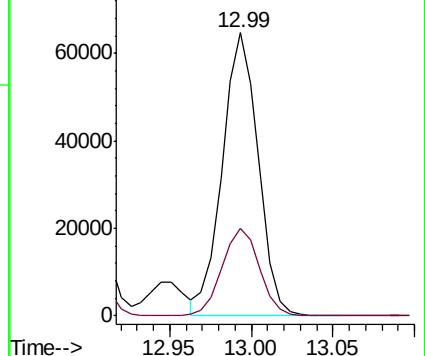
91 100

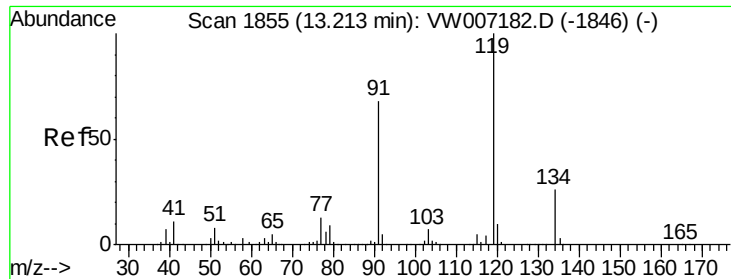
126 32.3 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

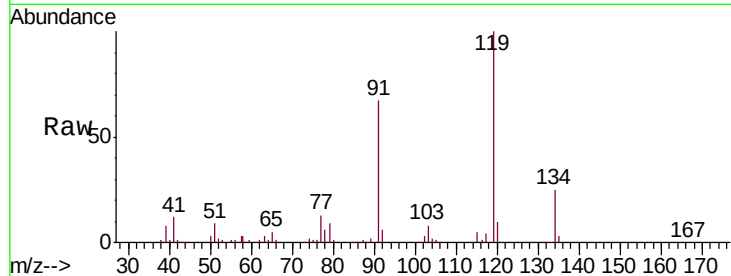




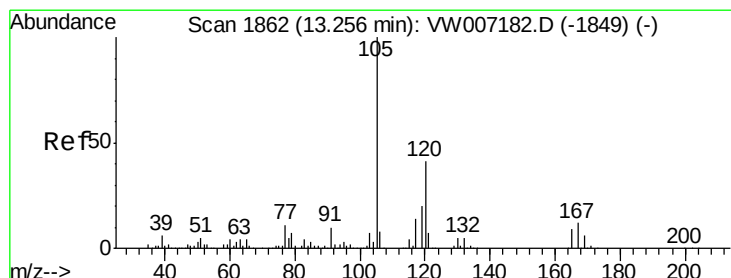
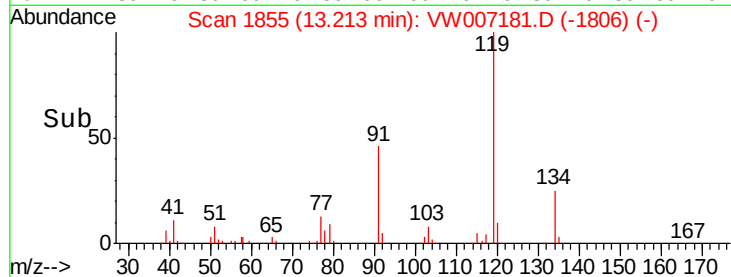
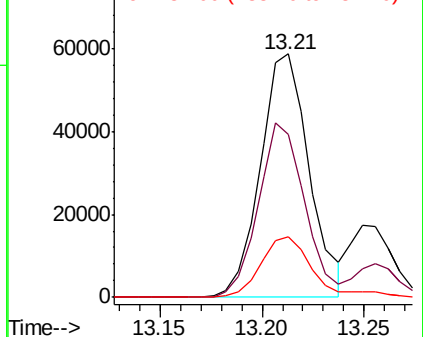
#83
 tert-Butylbenzene
 Concen: 19.588 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 98000
 Ion Ratio Lower Upper
 119 100
 91 68.1 34.0 101.8
 134 26.4 13.2 39.5

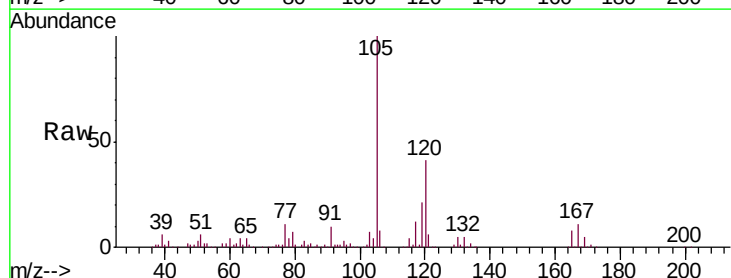


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

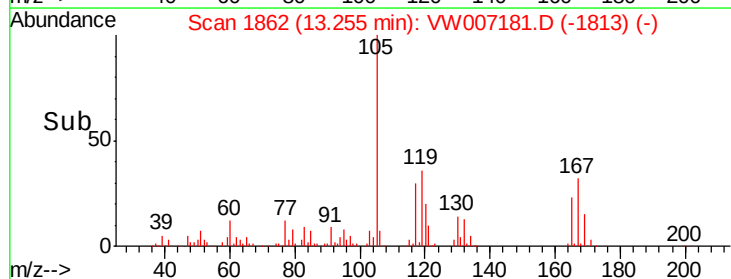
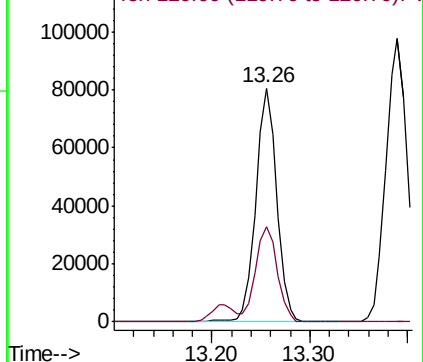


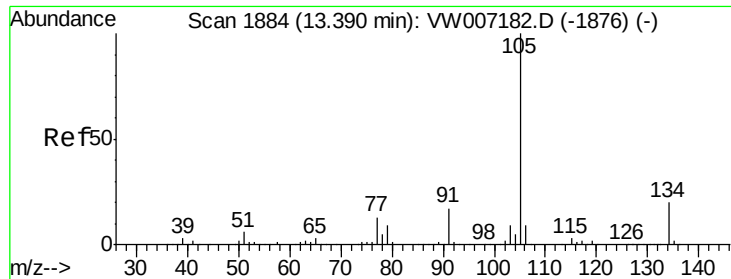
#84
 1,2,4-Trimethylbenzene
 Concen: 20.400 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Tgt Ion:105 Resp: 119212
 Ion Ratio Lower Upper
 105 100
 120 42.9 21.1 63.3



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

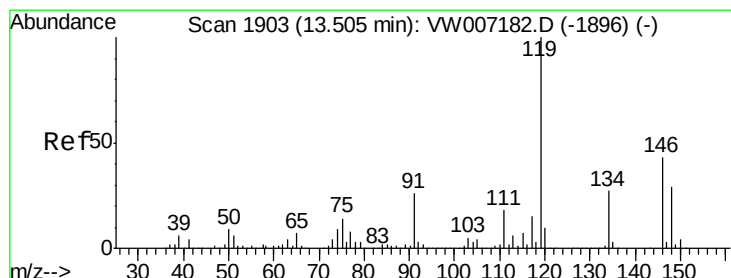
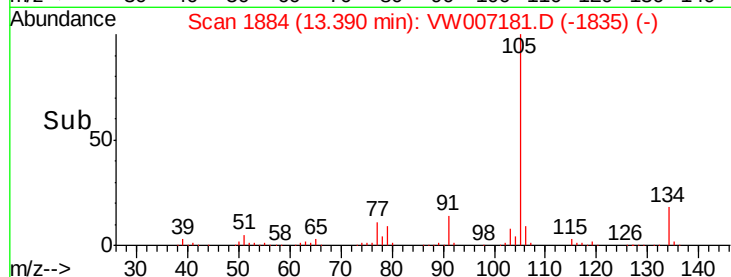
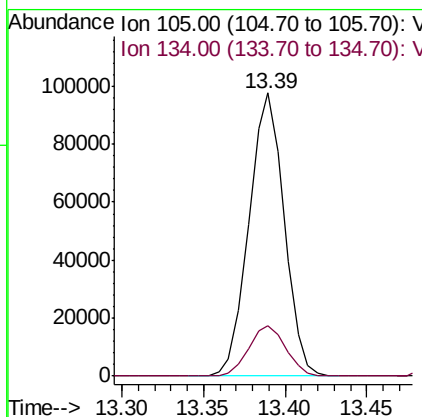
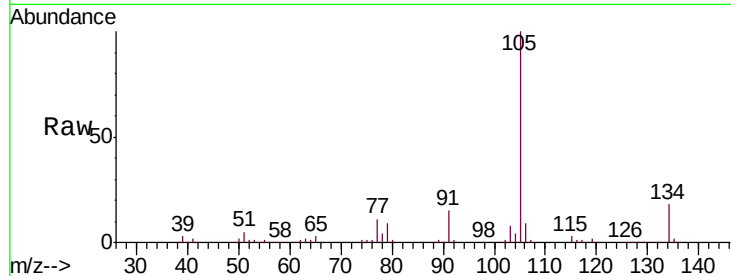




#85
 sec-Butylbenzene
 Concen: 20.539 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

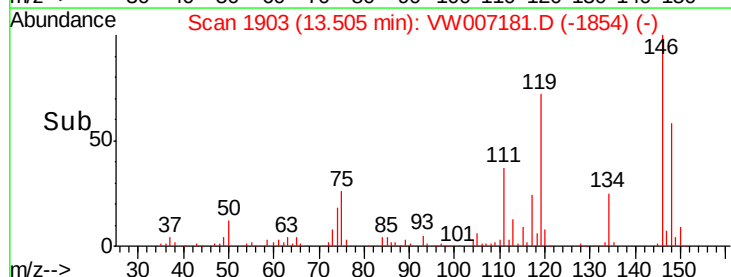
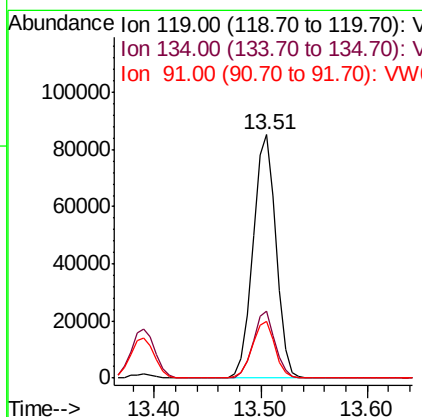
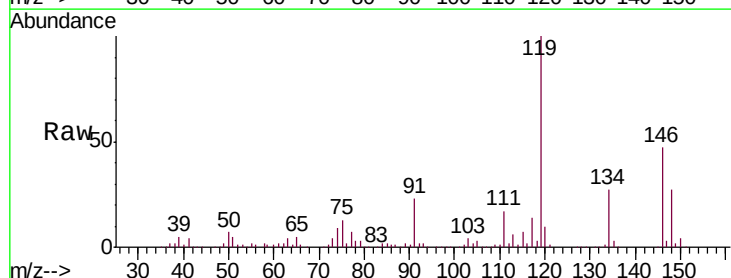
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

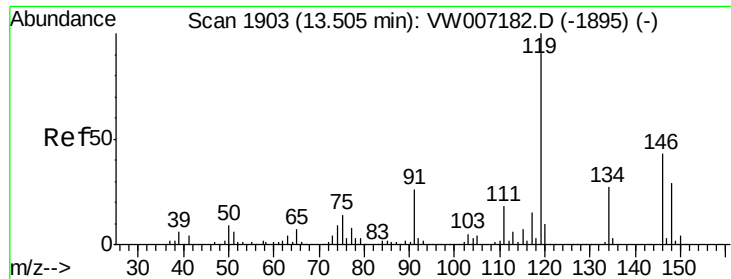
Tgt Ion:105 Resp: 146696
 Ion Ratio Lower Upper
 105 100
 134 18.8 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.232 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Tgt Ion:119 Resp: 128635
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.6
 91 23.2 12.4 37.2

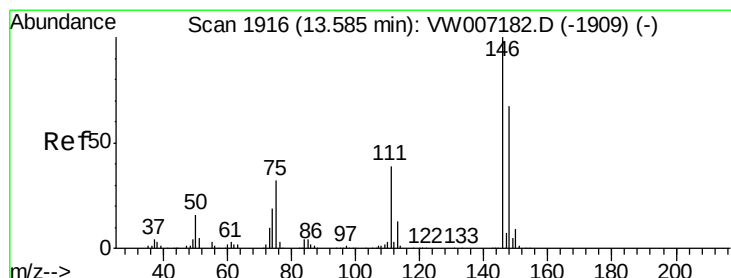
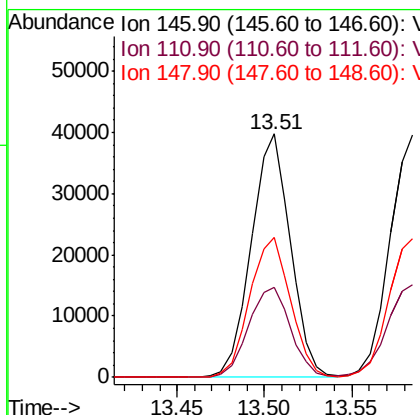
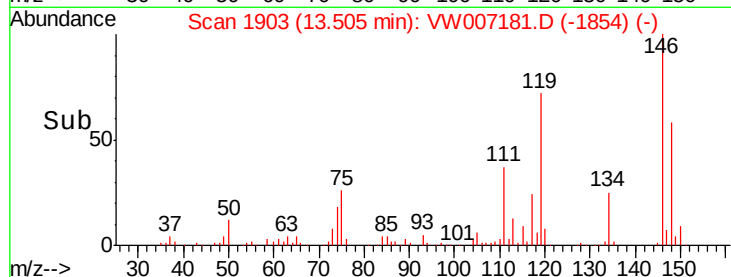
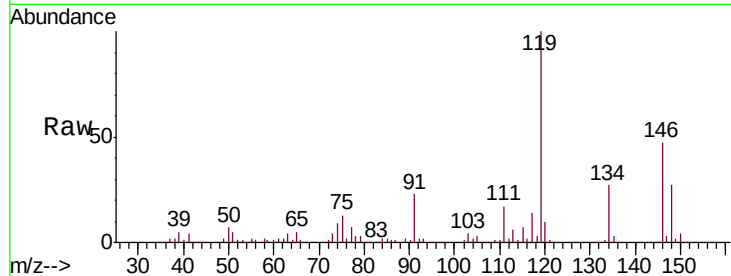




#87
 1,3-Dichlorobenzene
 Concen: 20.829 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

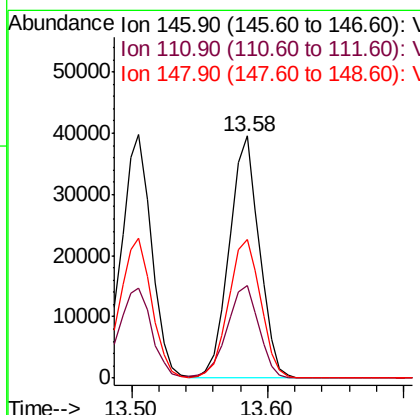
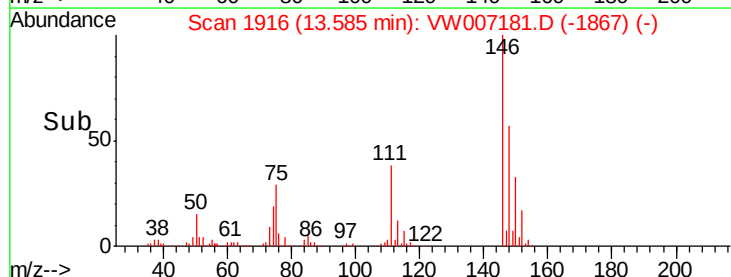
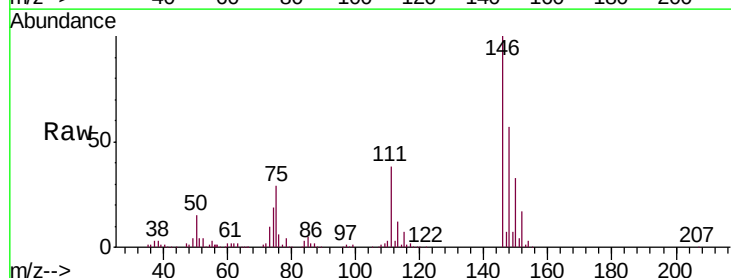
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

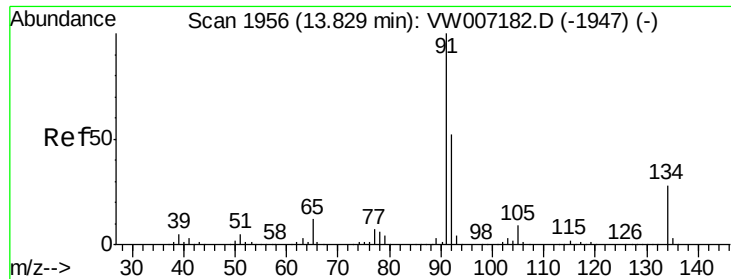
Tgt Ion:146 Resp: 61764
 Ion Ratio Lower Upper
 146 100
 111 39.5 21.1 63.4
 148 60.1 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 20.289 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Tgt Ion:146 Resp: 60771
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.6 58.8
 148 61.5 32.6 98.0

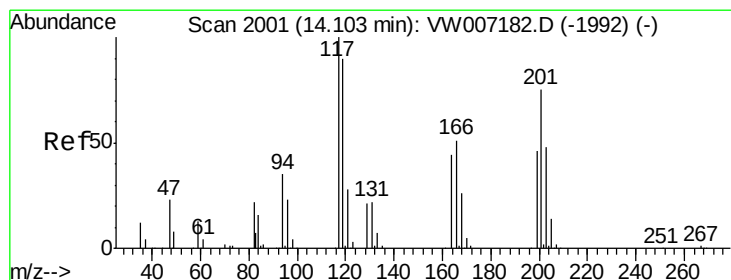
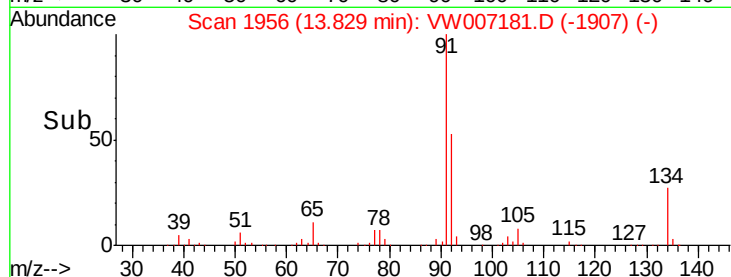
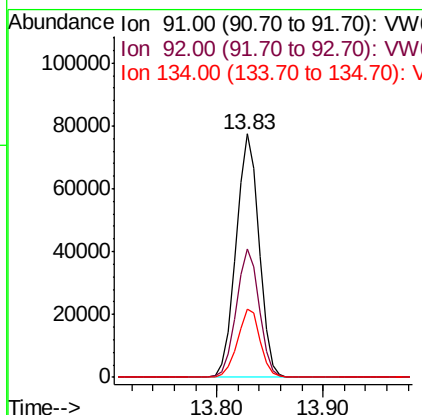
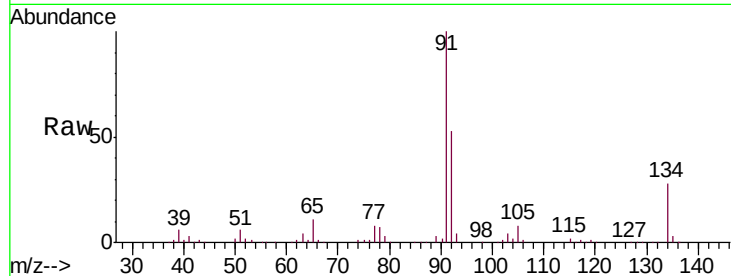




#89
n-Butylbenzene
Concen: 19.805 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

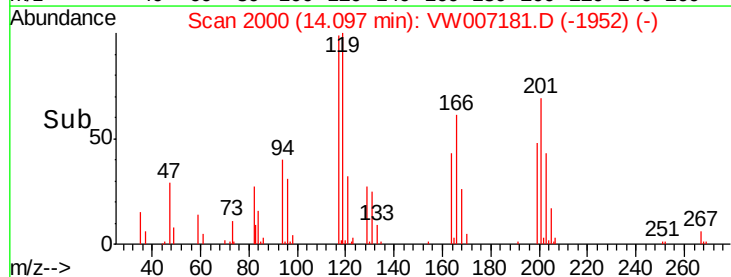
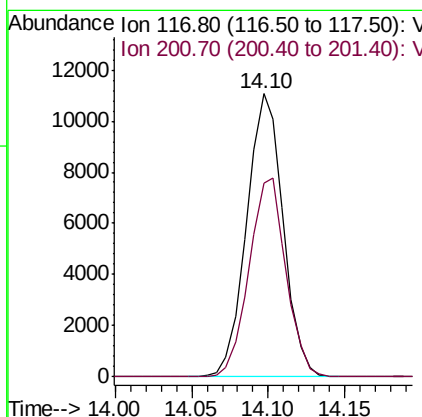
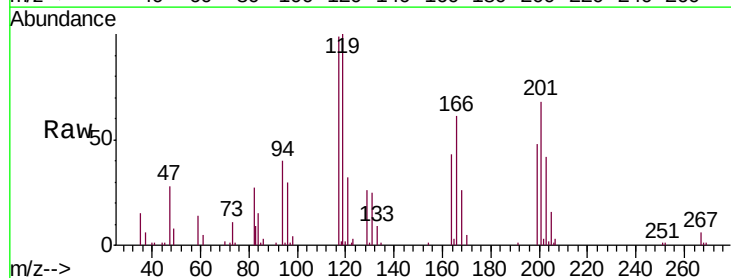
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

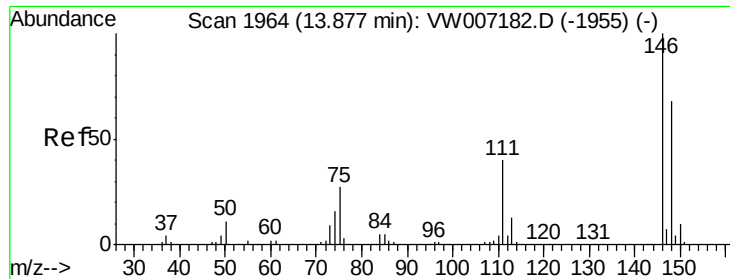
Tgt Ion: 91 Resp: 117671
Ion Ratio Lower Upper
91 100
92 52.3 26.5 79.5
134 27.4 14.1 42.2



#90
Hexachloroethane
Concen: 18.869 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion: 117 Resp: 18282
Ion Ratio Lower Upper
117 100
201 71.1 36.0 108.1

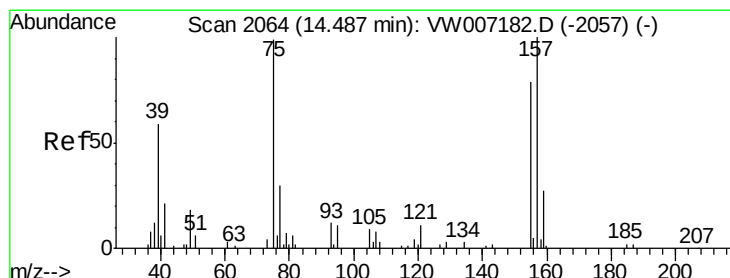
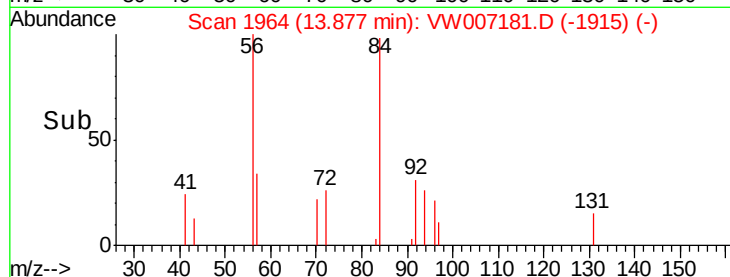
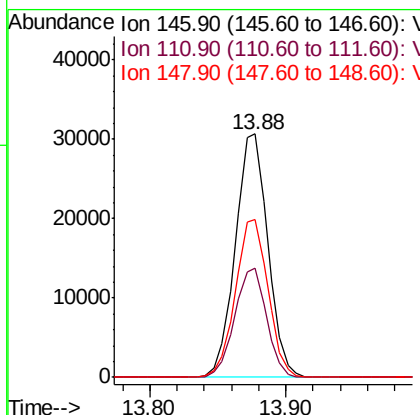
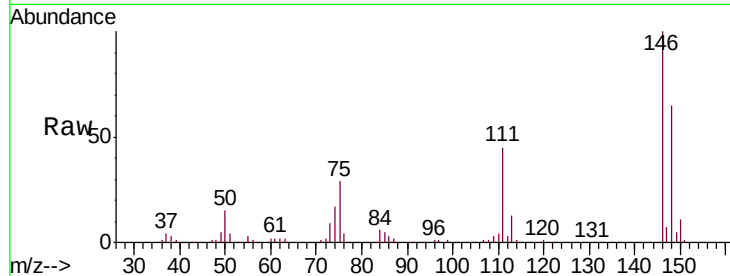




#91
 1,2-Dichlorobenzene
 Concen: 19.930 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

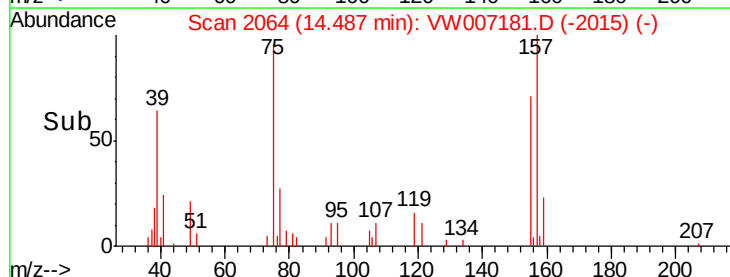
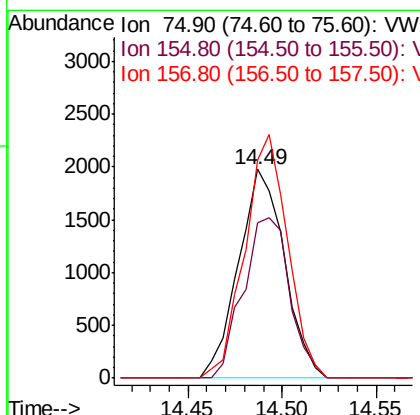
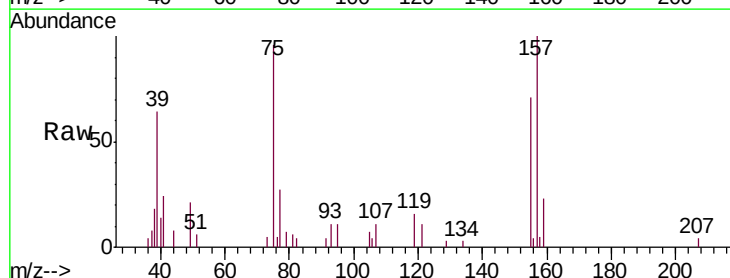
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

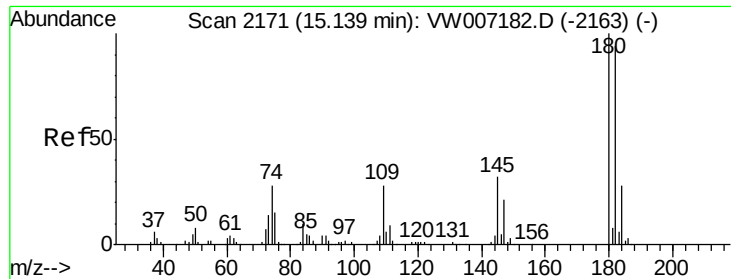
Tgt Ion:146 Resp: 51163
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.6 65.0
 148 64.6 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.856 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Tgt Ion: 75 Resp: 3343
 Ion Ratio Lower Upper
 75 100
 155 77.6 42.4 127.2
 157 108.2 55.3 165.9

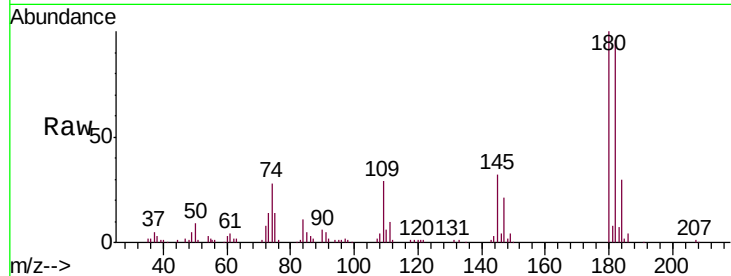




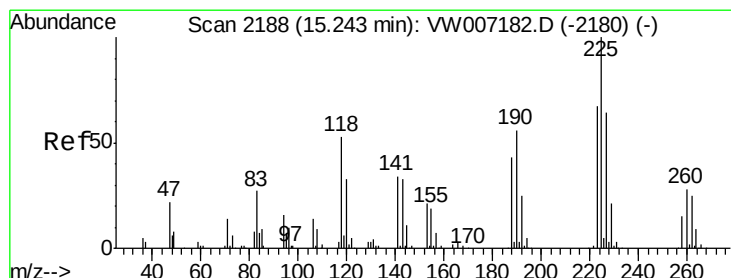
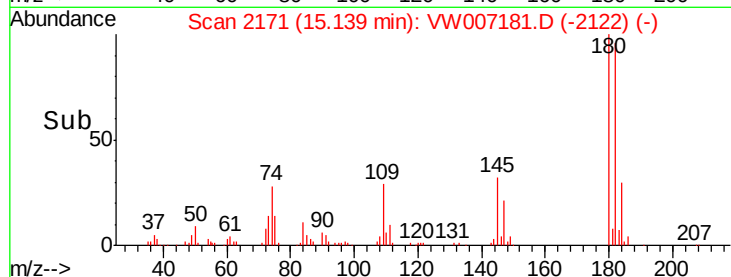
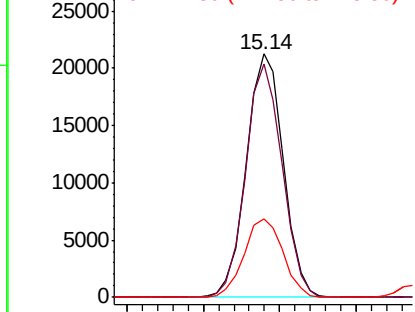
#93
 1,2,4-Trichlorobenzene
 Concen: 20.109 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 35774
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.9 143.8
 145 33.7 16.6 49.7

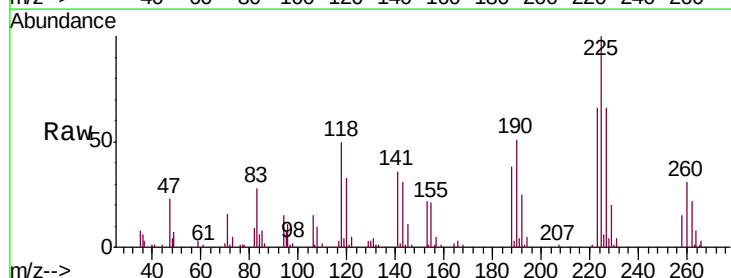


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

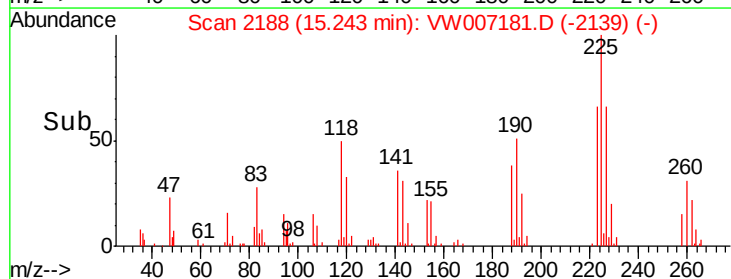
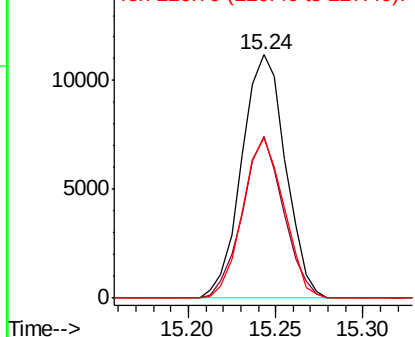


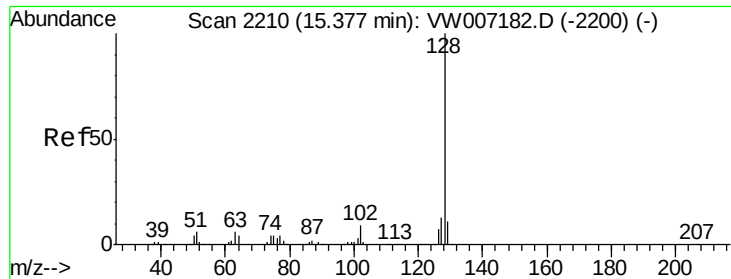
#94
 Hexachlorobutadiene
 Concen: 20.329 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007181.D
 Acq: 04 Dec 2018 12:04

Tgt Ion:225 Resp: 19503
 Ion Ratio Lower Upper
 225 100
 223 62.0 32.3 96.8
 227 62.0 32.1 96.3



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

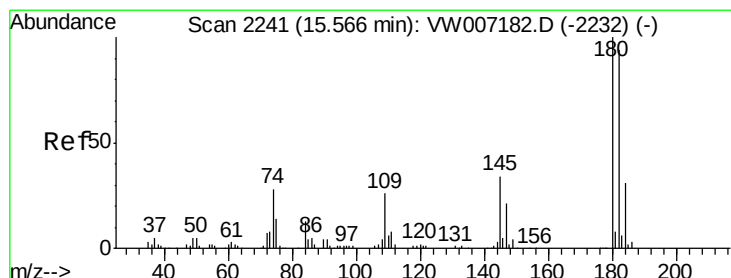
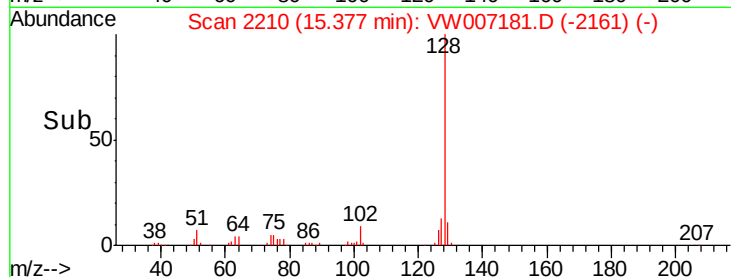
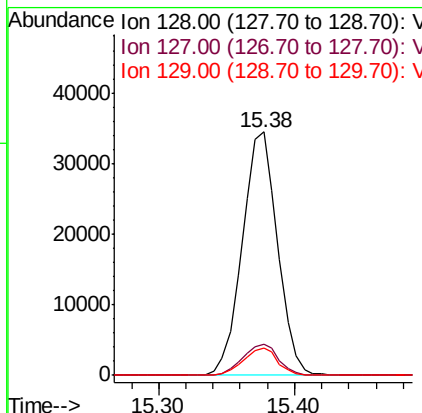
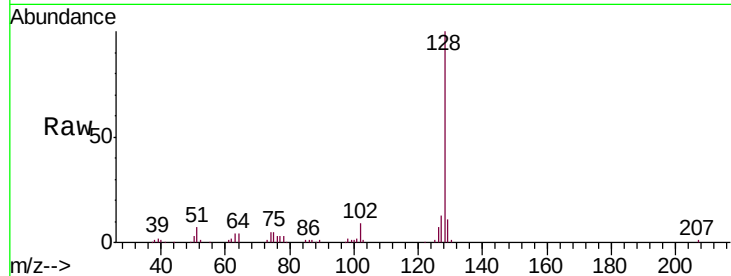




#95
Naphthalene
Concen: 19.545 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 62317
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.834 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007181.D
Acq: 04 Dec 2018 12:04

Tgt Ion:180 Resp: 29754
Ion Ratio Lower Upper
180 100
182 95.5 47.4 142.2
145 35.4 17.6 52.8

