

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\
 Data File : VW006286.D
 Acq On : 23 Oct 2018 08:22
 Operator : VA/AP
 Sample : J5624-02MS
 Misc : 5.59G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Quant Time: Oct 23 08:46:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	204629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	313875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	159806	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	88850	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
35) Dibromofluoromethane	7.88	113	91790	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.33	98	331450	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	12.62	95	127089	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	49488	48.871	ug/l	95
3) Chloromethane	2.21	50	60695	46.564	ug/l	95
4) Vinyl Chloride	2.37	62	95020	51.045	ug/l	97
5) Bromomethane	2.79	94	85453	50.471	ug/l	99
6) Chloroethane	2.93	64	69057	51.767	ug/l	100
7) Trichlorofluoromethane	3.26	101	73682	42.490	ug/l	96
8) Diethyl Ether	3.68	74	50242	54.515	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	90423	49.756	ug/l	98
10) Methyl Iodide	4.27	142	163971	54.210	ug/l	99
11) Tert butyl alcohol	5.21	59	28014	245.530	ug/l	99
12) 1,1-Dichloroethene	4.04	96	89314	52.238	ug/l	96
13) Acrolein	3.90	56	21343	193.318	ug/l	97
14) Allyl chloride	4.67	41	99097	40.536	ug/l	99
15) Acrylonitrile	5.38	53	98403	297.687	ug/l	99
16) Acetone	4.14	43	77596	243.414	ug/l	97
17) Carbon Disulfide	4.38	76	237749	46.075	ug/l	100
18) Methyl Acetate	4.68	43	55191	64.646	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	151796	58.291	ug/l	98
20) Methylene Chloride	4.92	84	110803	62.121	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	106780	55.952	ug/l	96
22) Diisopropyl ether	6.31	45	280499	58.062	ug/l	99
23) Vinyl Acetate	6.26	43	646622	226.802	ug/l	99
24) 1,1-Dichloroethane	6.21	63	182444	58.527	ug/l	98
25) 2-Butanone	7.18	43	125058	272.871	ug/l	96
26) 2,2-Dichloropropane	7.17	77	93486	42.521	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	123333	58.563	ug/l	97
28) Bromochloromethane	7.51	49	73399	60.991	ug/l	96
29) Tetrahydrofuran	7.54	42	82315	292.199	ug/l	98
30) Chloroform	7.68	83	201607	59.361	ug/l	99
31) Cyclohexane	7.96	56	138817	44.717	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	162841	53.153	ug/l	98
36) 1,1-Dichloropropene	8.09	75	146410	50.607	ug/l	100
37) Ethyl Acetate	7.26	43	57558	53.548	ug/l	98
38) Carbon Tetrachloride	8.07	117	151066	47.632	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\
 Data File : VW006286.D
 Acq On : 23 Oct 2018 08:22
 Operator : VA/AP
 Sample : J5624-02MS
 Misc : 5.59G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Quant Time: Oct 23 08:46:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	165746	43.100	ug/l	98
40) Benzene	8.33	78	429532	54.125	ug/l	100
41) Methacrylonitrile	7.49	41	34269	52.886	ug/l	93
42) 1,2-Dichloroethane	8.40	62	130407	55.931	ug/l	99
43) Isopropyl Acetate	8.43	43	116294	52.915	ug/l	100
44) Trichloroethene	9.09	130	127528	52.379	ug/l	98
45) 1,2-Dichloropropane	9.37	63	104674	55.121	ug/l	99
46) Dibromomethane	9.46	93	61613	56.926	ug/l	99
47) Bromodichloromethane	9.65	83	141924	54.085	ug/l	99
48) Methyl methacrylate	9.44	41	56129	53.879	ug/l	93
49) 1,4-Dioxane	9.47	88	16793	1007.850	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	303712	275.813	ug/l	99
52) Toluene	10.39	92	284508	53.475	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	132697	50.756	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	154671	51.547	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	86474	57.093	ug/l	97
56) Ethyl methacrylate	10.65	69	103435	55.706	ug/l	98
57) 1,3-Dichloropropane	10.94	76	141644	56.493	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	180048	253.768	ug/l	99
59) 2-Hexanone	10.98	43	204457	260.110	ug/l	97
60) Dibromochloromethane	11.13	129	103484	54.852	ug/l	100
61) 1,2-Dibromoethane	11.24	107	86161	56.933	ug/l	99
64) Tetrachloroethene	10.87	164	119210	52.941	ug/l	98
65) Chlorobenzene	11.66	112	331365	53.365	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	120291	54.512	ug/l	99
67) Ethyl Benzene	11.74	91	557877	51.843	ug/l	100
68) m/p-Xylenes	11.84	106	437197	102.790	ug/l	99
69) o-Xylene	12.17	106	213541	52.680	ug/l	99
70) Styrene	12.18	104	351758	53.365	ug/l	99
71) Bromoform	12.35	173	64413	52.334	ug/l	99
73) Isopropylbenzene	12.47	105	564168	49.971	ug/l	99
74) N-amyl acetate	12.28	43	101363	46.226	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	99812	58.127	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	120646	98.841	ug/l #	100
77) Bromobenzene	12.75	156	151190	54.675	ug/l	100
78) n-propylbenzene	12.81	91	645477	49.143	ug/l	100
79) 2-Chlorotoluene	12.90	91	380508	51.560	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	477958	50.219	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	22234	43.542	ug/l	99
82) 4-Chlorotoluene	12.99	91	405088	52.400	ug/l	100
83) tert-Butylbenzene	13.21	119	420655	49.400	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	493691	51.261	ug/l	100
85) sec-Butylbenzene	13.39	105	574007	47.715	ug/l	100
86) p-Isopropyltoluene	13.51	119	521647	47.941	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	287804	52.297	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	286900	52.359	ug/l	99
89) n-Butylbenzene	13.83	91	451082	45.329	ug/l	100
90) Hexachloroethane	14.10	117	84039	45.597	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	261373	53.245	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15927	51.806	ug/l	95

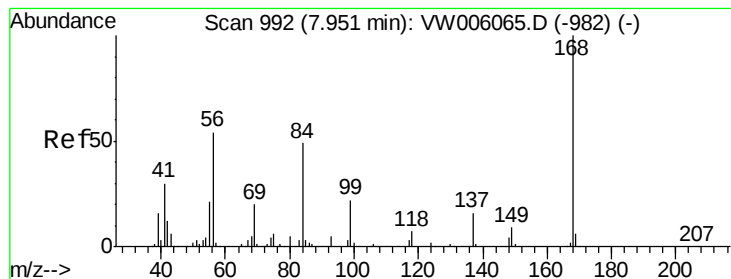
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
Data File : VW006286.D
Acq On : 23 Oct 2018 08:22
Operator : VA/AP
Sample : J5624-02MS
Misc : 5.59G/5ML/MSVOA W/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Quant Time: Oct 23 08:46:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	178078	47.146	ug/l	99
94) Hexachlorobutadiene	15.24	225	97831	41.231	ug/l	99
95) Naphthalene	15.38	128	328853	52.338	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	158578	48.539	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

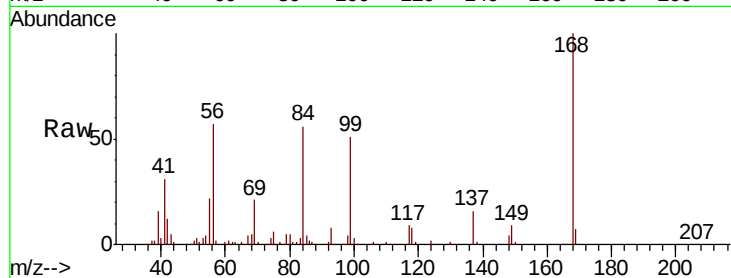
PA-SED-01MS

Tot Ion:168 Resp: 204629

Ion Ratio Lower Upper

168 100

99 50.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

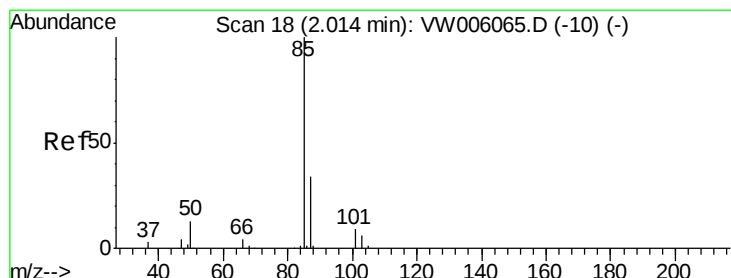
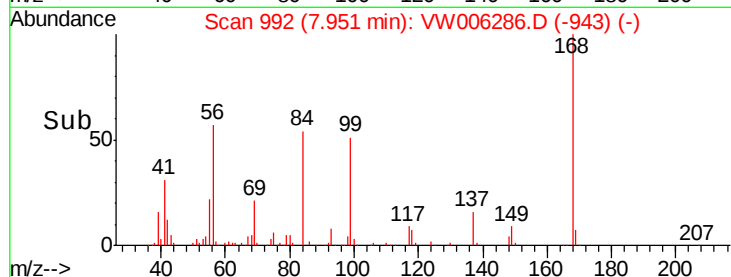
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 48.871 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006286.D

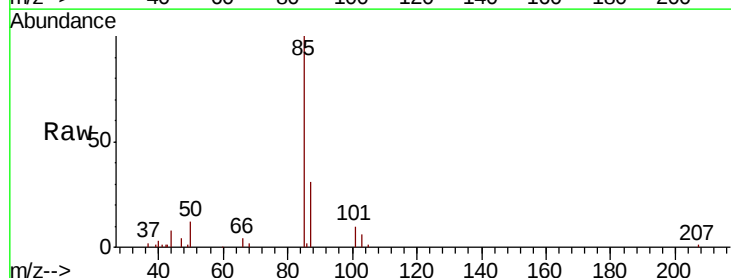
Acq: 23 Oct 2018 08:22

Tgt Ion: 85 Resp: 49488

Ion Ratio Lower Upper

85 100

87 31.1 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

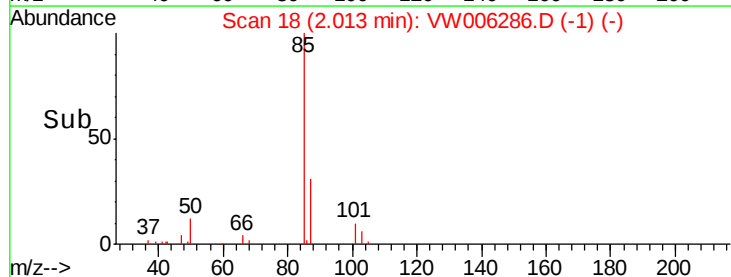
10000

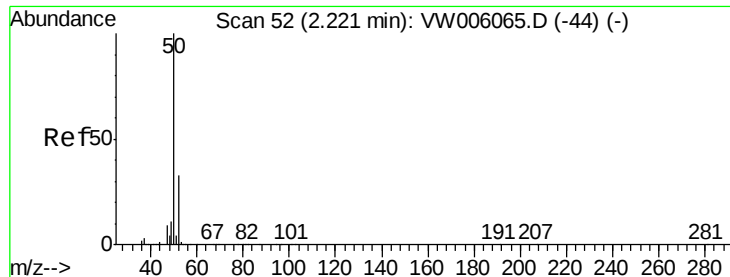
5000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 46.564 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

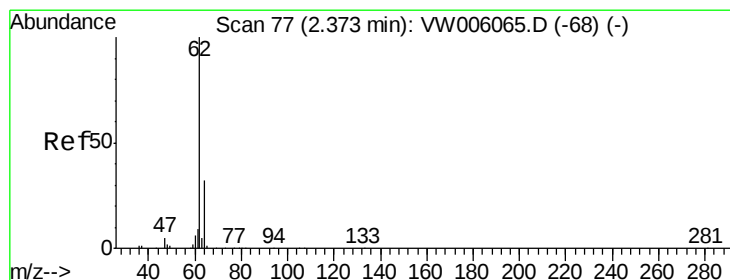
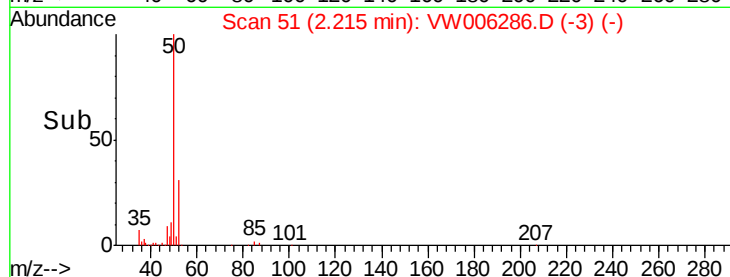
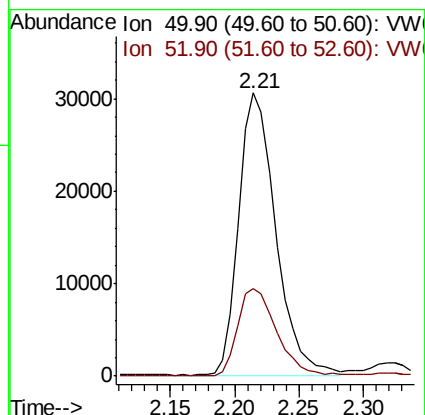
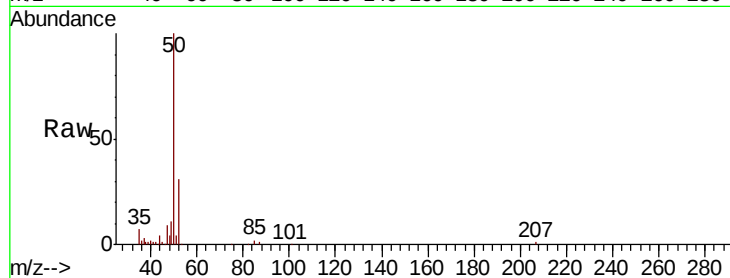
PA-SED-01MS

Tot Ion: 50 Resp: 60695

Ion Ratio Lower Upper

50 100

52 30.9 26.8 40.2



#4

Vinyl Chloride

Concen: 51.045 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006286.D

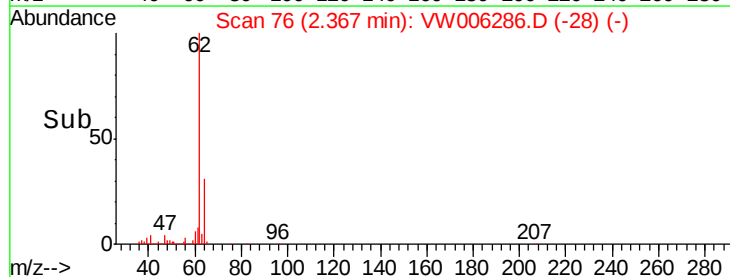
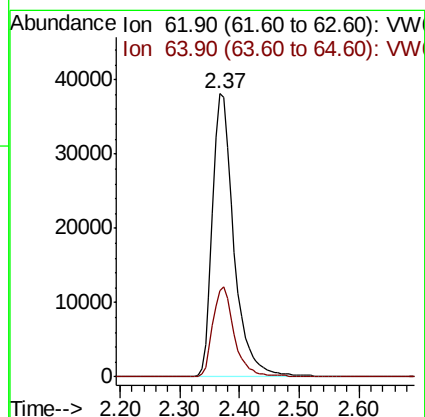
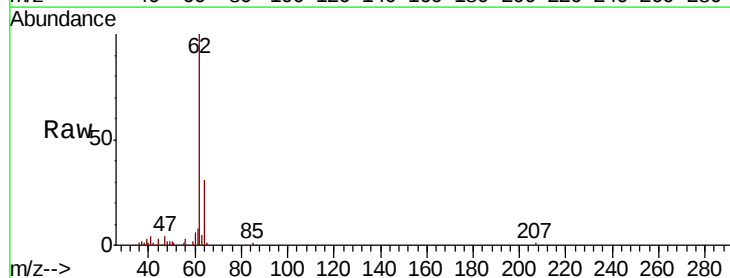
Acq: 23 Oct 2018 08:22

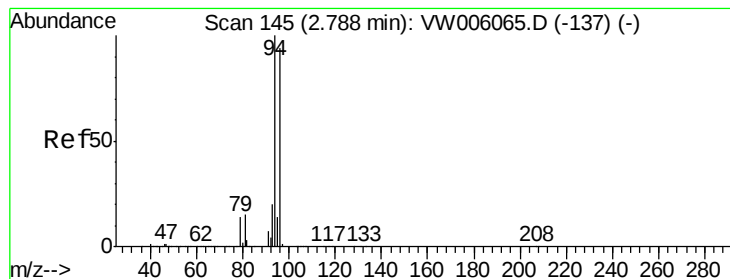
Tgt Ion: 62 Resp: 95020

Ion Ratio Lower Upper

62 100

64 30.5 25.9 38.9





#5

Bromomethane

Concen: 50.471 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

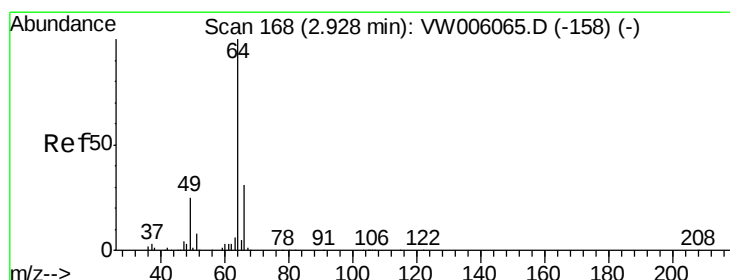
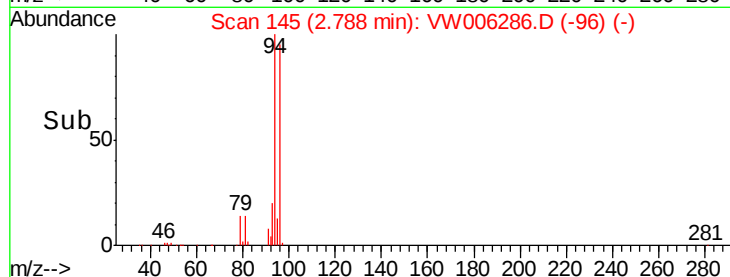
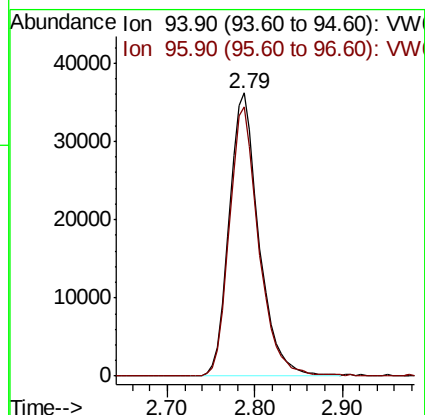
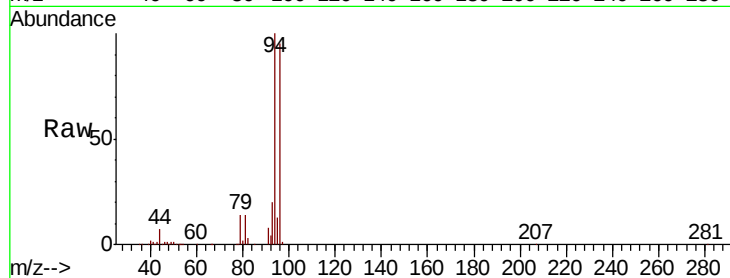
PA-SED-01MS

Tot Ion: 94 Resp: 85453

Ion Ratio Lower Upper

94 100

96 94.8 74.9 112.3



#6

Chloroethane

Concen: 51.767 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006286.D

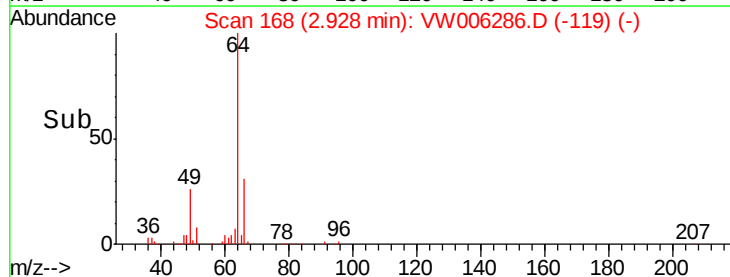
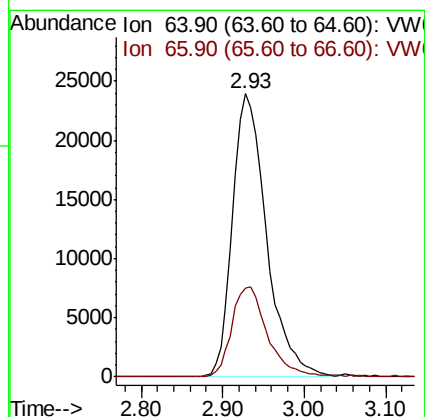
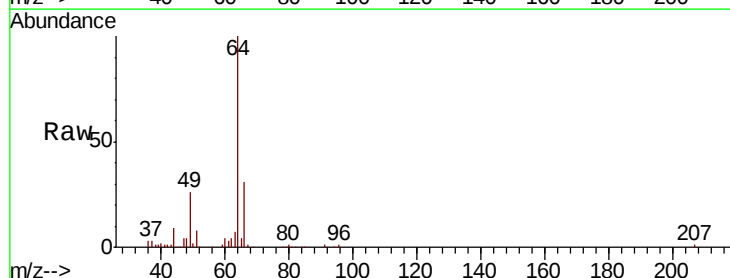
Acq: 23 Oct 2018 08:22

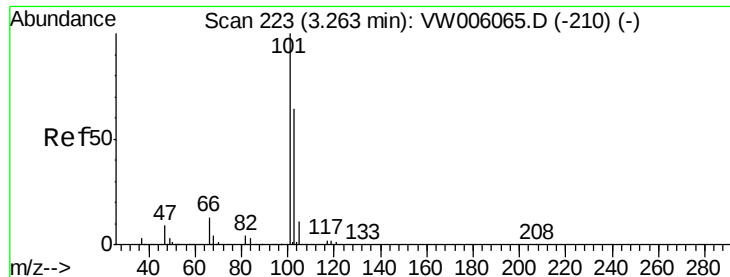
Tgt Ion: 64 Resp: 69057

Ion Ratio Lower Upper

64 100

66 31.3 24.9 37.3



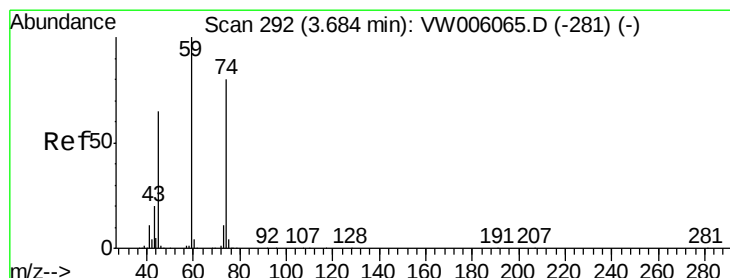
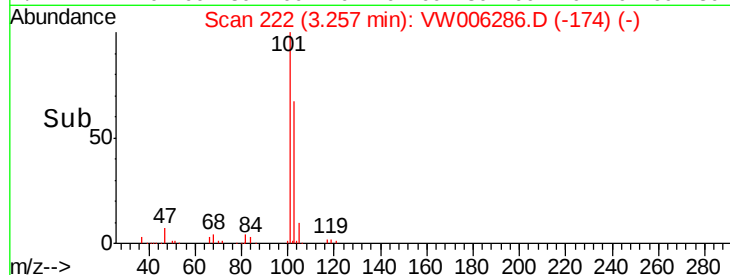
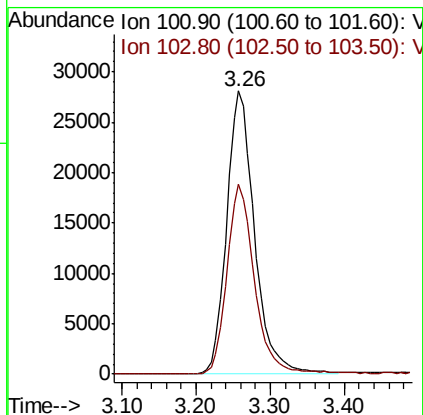
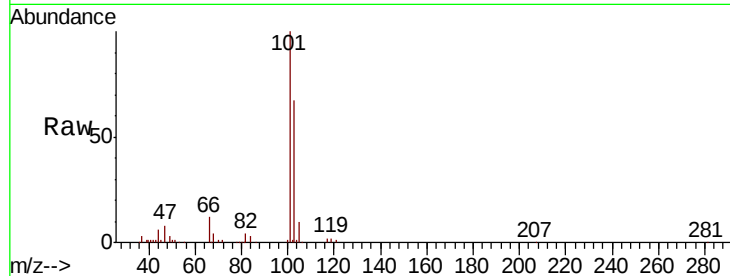


#7

Trichlorofluoromethane
 Concen: 42.490 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

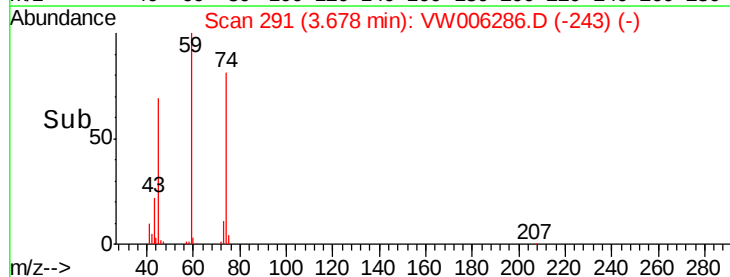
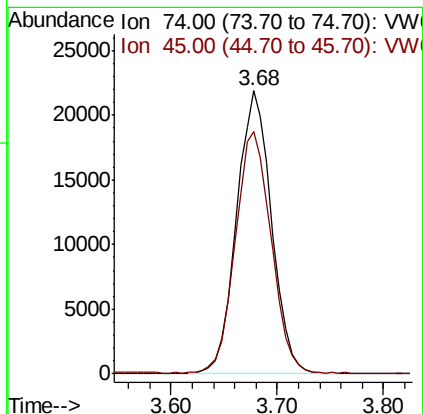
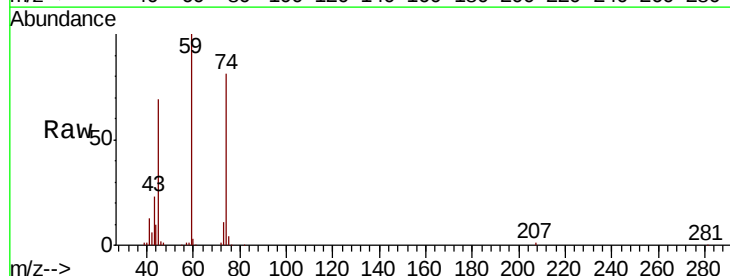
Tot Ion:101 Resp: 73682
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.2 76.8



#8

Diethyl Ether
 Concen: 54.515 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion: 74 Resp: 50242
 Ion Ratio Lower Upper
 74 100
 45 88.9 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.756 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampled :

PA-SED-01MS

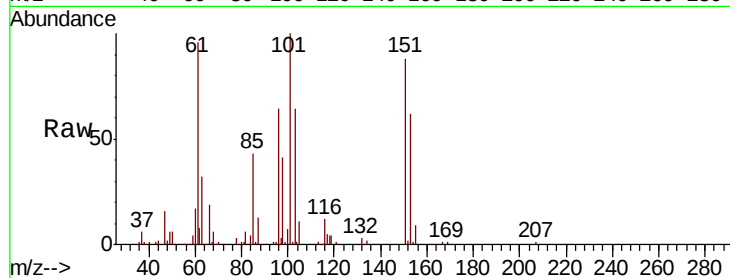
Tot Ion:101 Resp: 90423

Ion Ratio Lower Upper

101 100

85 43.2 34.9 52.3

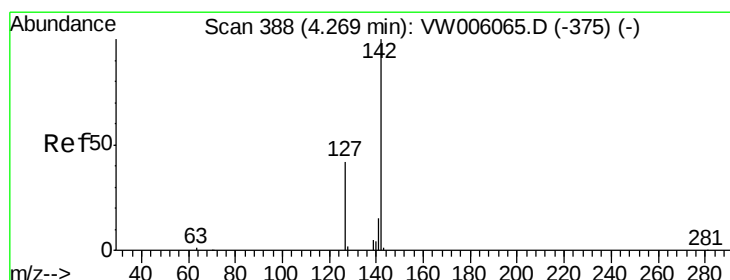
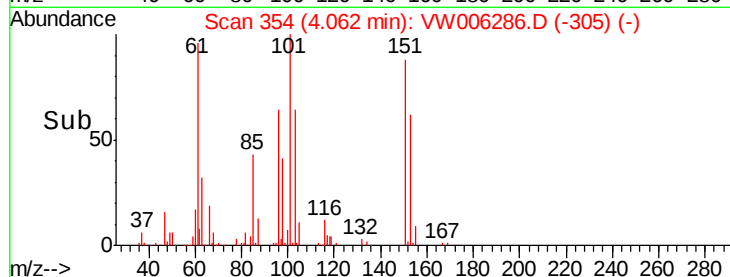
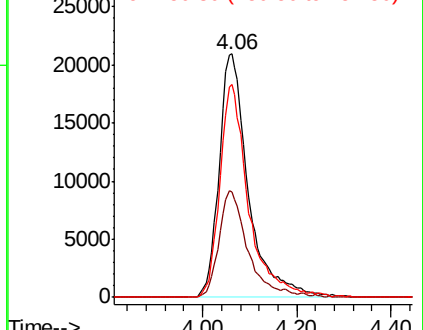
151 85.6 70.4 105.6



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: 54.210 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

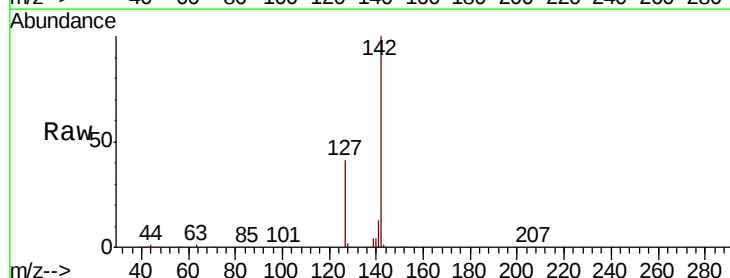
Tgt Ion:142 Resp: 163971

Ion Ratio Lower Upper

142 100

127 41.4 33.6 50.4

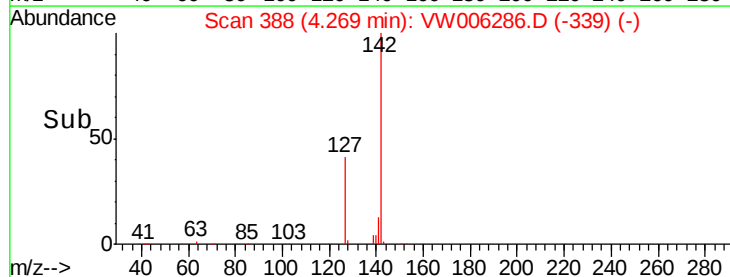
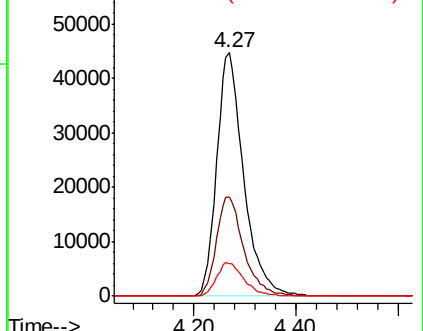
141 14.3 11.6 17.4

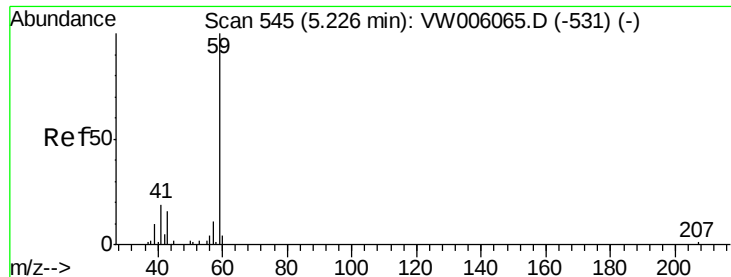


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



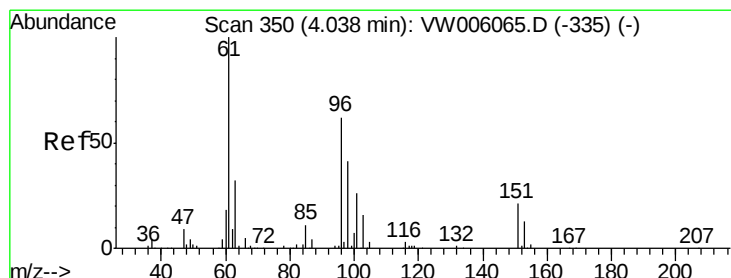
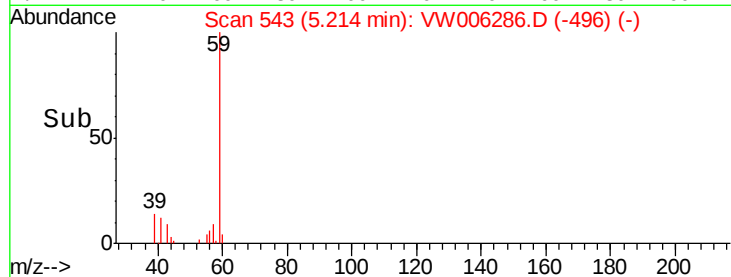
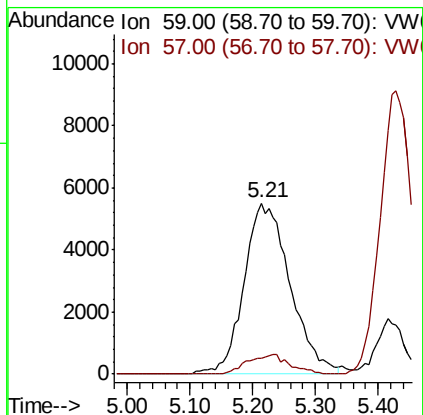
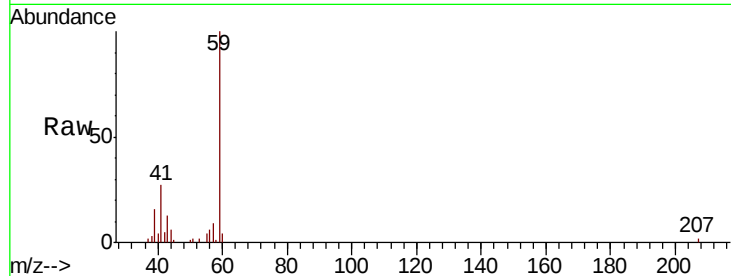


#11

Tert butyl alcohol
 Concen: 245.530 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. -0.01 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

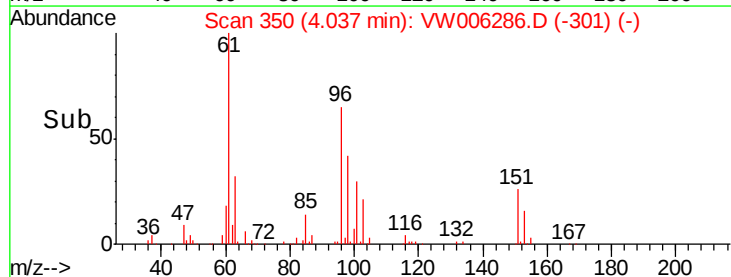
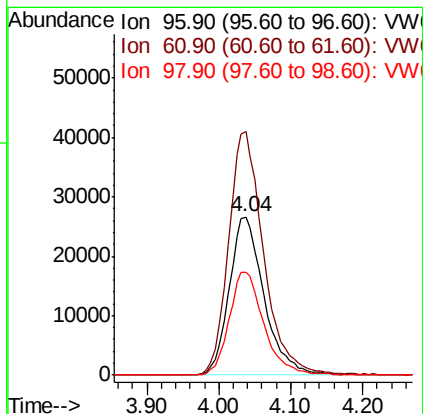
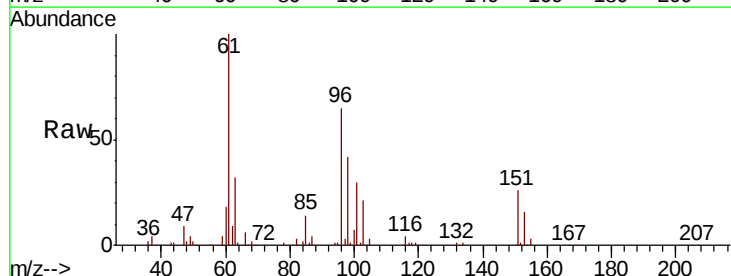
Tot Ion: 59 Resp: 28014
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.7 13.1

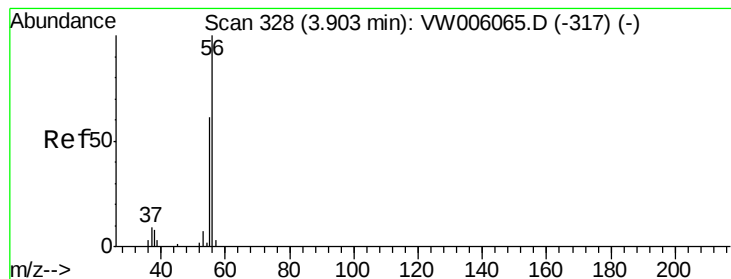


#12

1,1-Dichloroethene
 Concen: 52.238 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion: 96 Resp: 89314
 Ion Ratio Lower Upper
 96 100
 61 154.1 129.3 193.9
 98 65.1 53.1 79.7





#13

Acrolein

Concen: 193.318 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

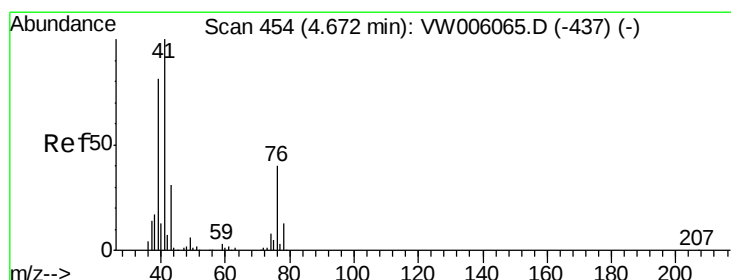
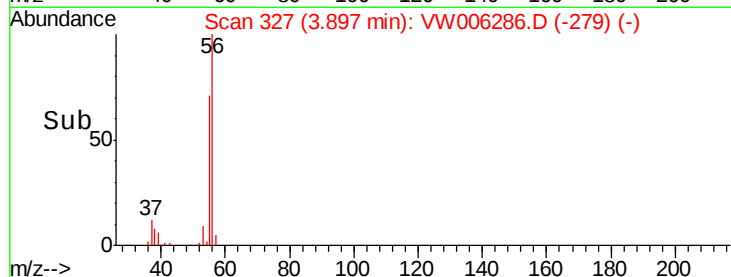
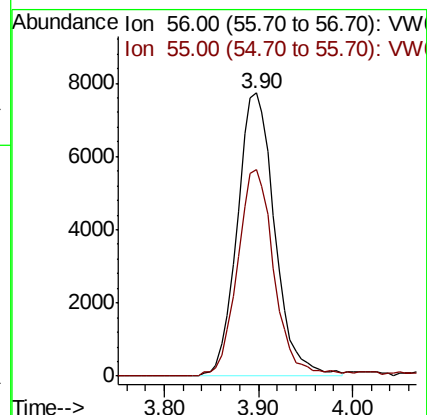
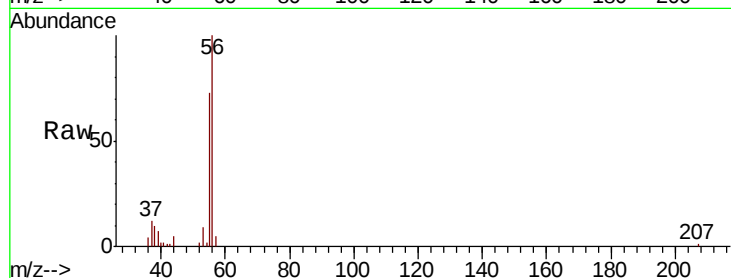
PA-SED-01MS

Tot Ion: 56 Resp: 21343

Ion Ratio Lower Upper

56 100

55 70.6 54.5 81.7



#14

Allyl chloride

Concen: 40.536 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

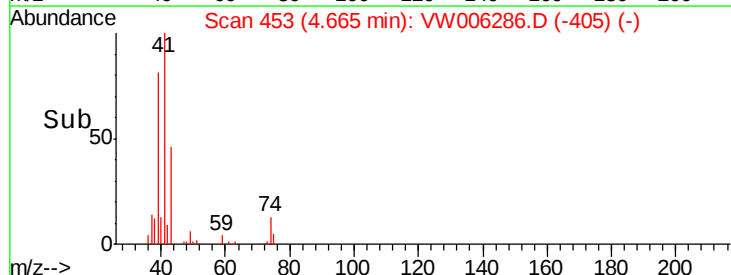
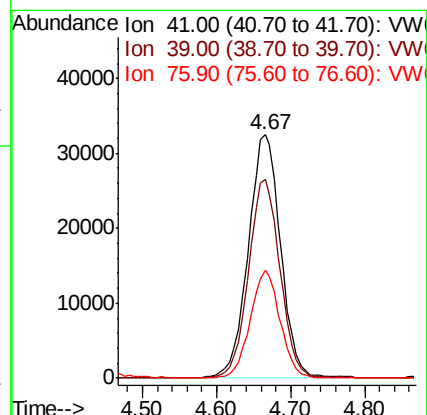
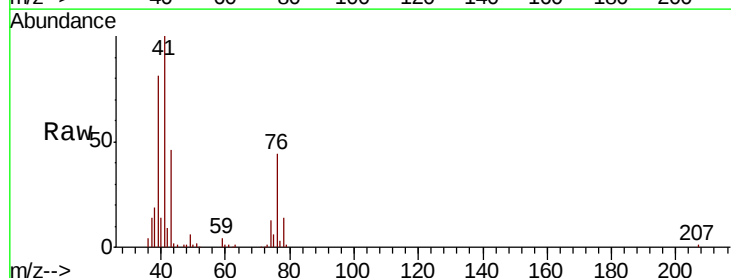
Tgt Ion: 41 Resp: 99097

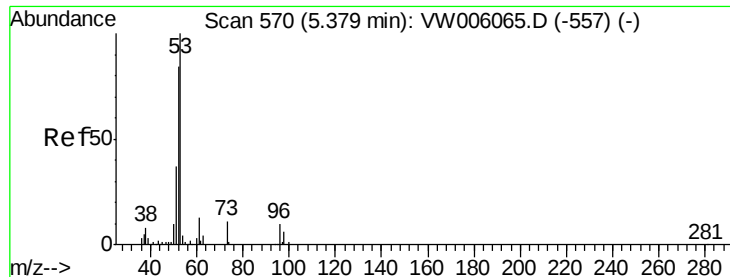
Ion Ratio Lower Upper

41 100

39 79.5 64.1 96.1

76 40.8 32.2 48.4





#15

Acrylonitrile

Concen: 297.687 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

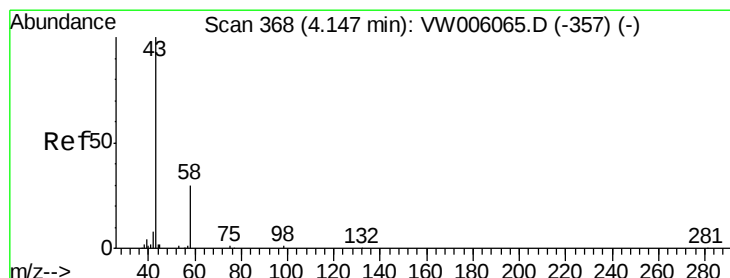
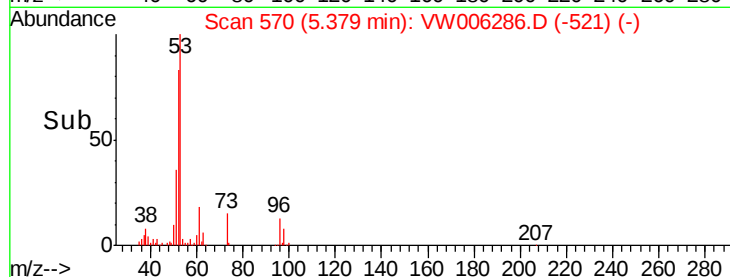
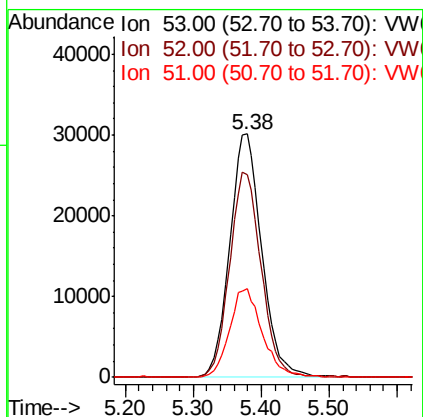
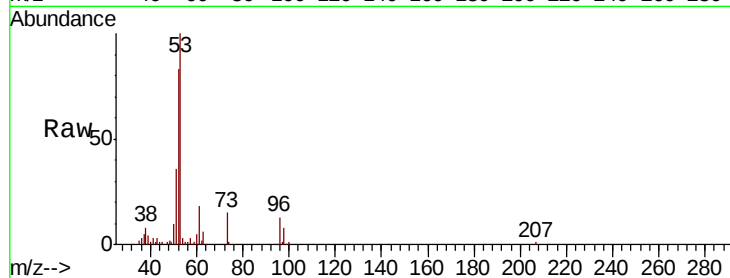
Tot Ion: 53 Resp: 98403

Ion Ratio Lower Upper

53 100

52 82.9 66.9 100.3

51 37.4 30.1 45.1



#16

Acetone

Concen: 243.414 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006286.D

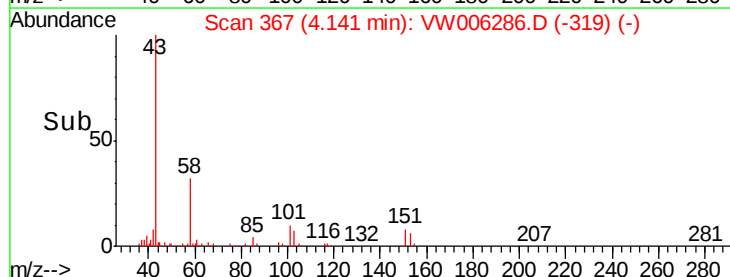
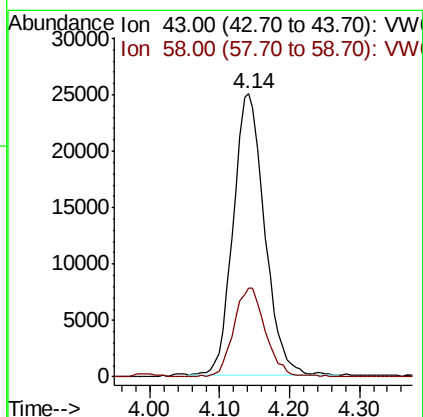
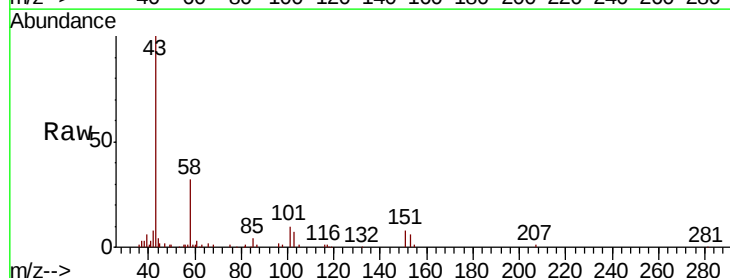
Acq: 23 Oct 2018 08:22

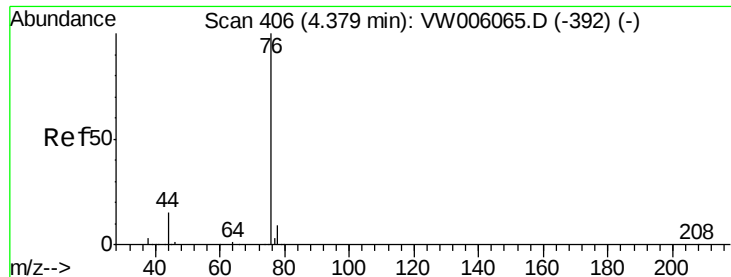
Tgt Ion: 43 Resp: 77596

Ion Ratio Lower Upper

43 100

58 31.8 24.0 36.0





#17

Carbon Disulfide

Concen: 46.075 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

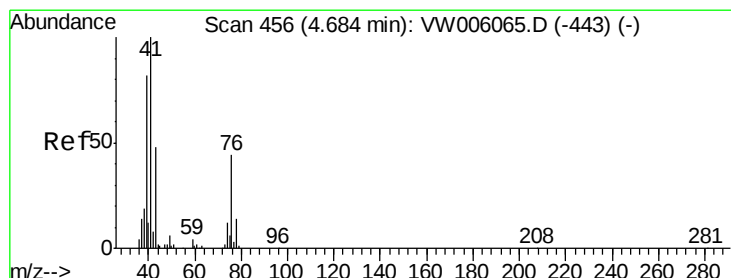
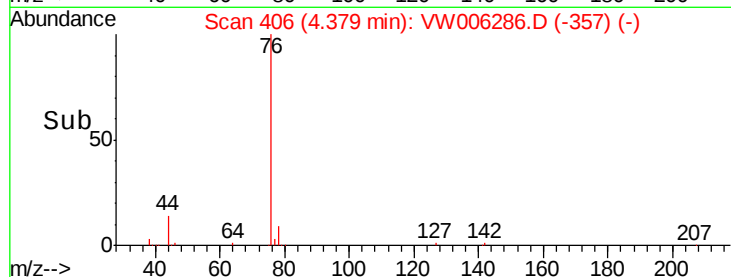
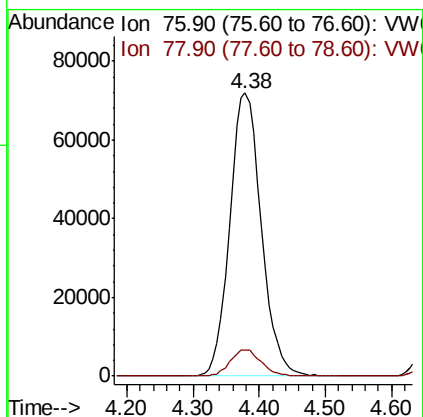
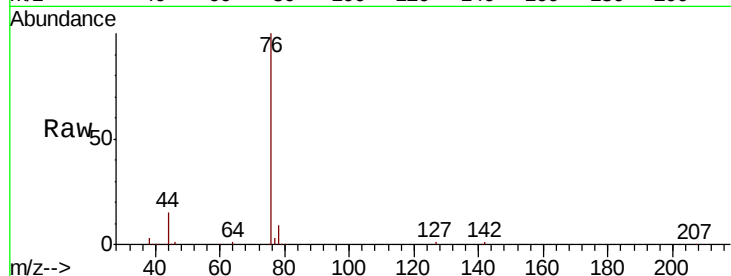
PA-SED-01MS

Tot Ion: 76 Resp: 237749

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



#18

Methyl Acetate

Concen: 64.646 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006286.D

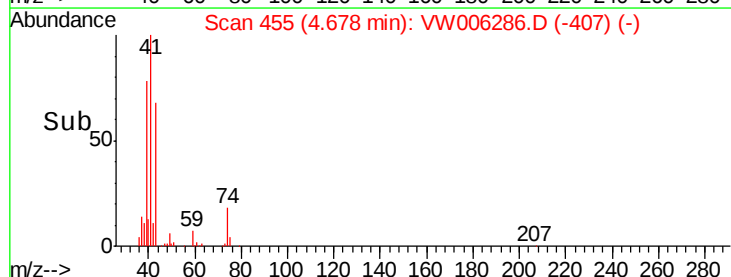
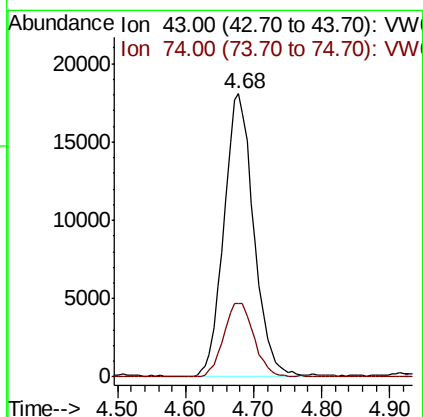
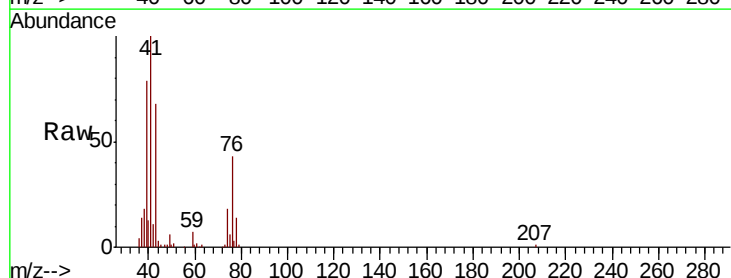
Acq: 23 Oct 2018 08:22

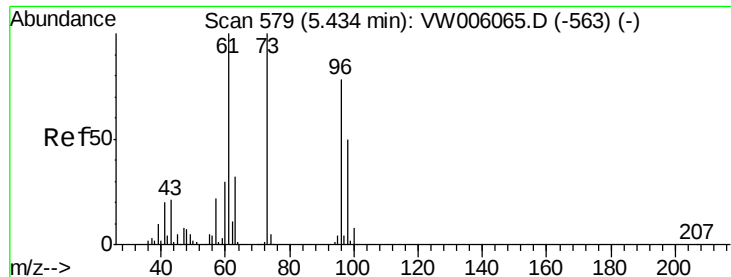
Tgt Ion: 43 Resp: 55191

Ion Ratio Lower Upper

43 100

74 26.2 20.5 30.7

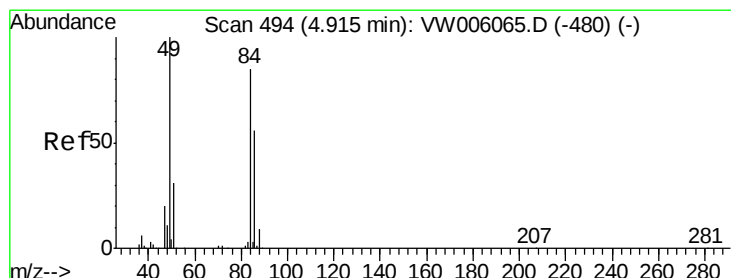
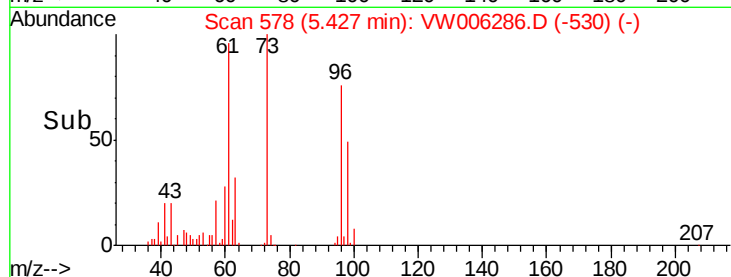
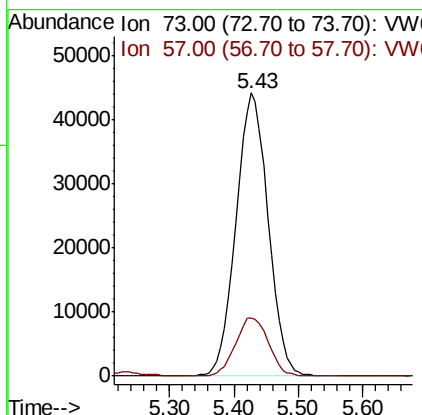
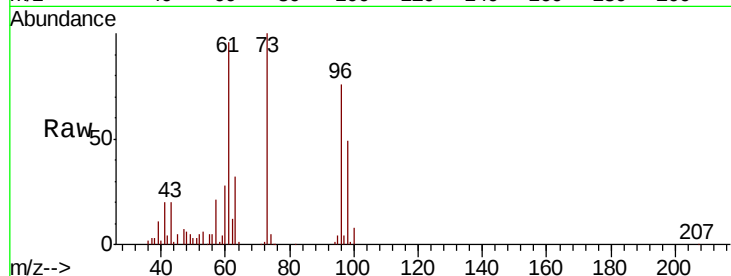




#19
Methyl tert-butyl Ether
Concen: 58.291 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

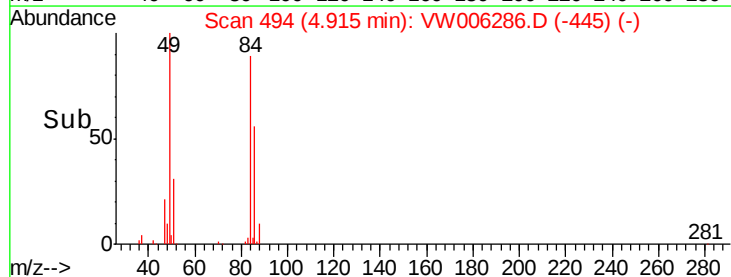
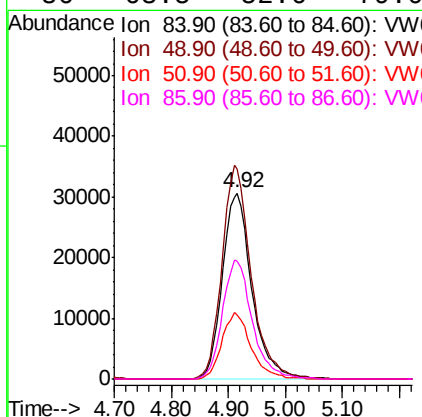
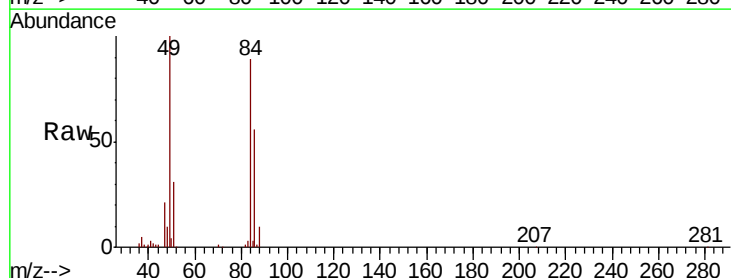
Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

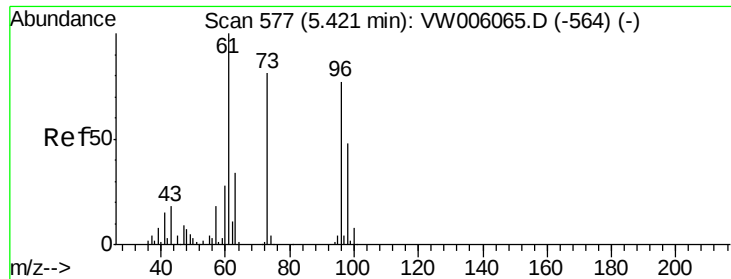
Tot Ion: 73 Resp: 151796
Ion Ratio Lower Upper
73 100
57 20.7 17.4 26.2



#20
Methylene Chloride
Concen: 62.121 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion: 84 Resp: 110803
Ion Ratio Lower Upper
84 100
49 112.7 93.6 140.4
51 34.8 29.0 43.4
86 63.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 55.952 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

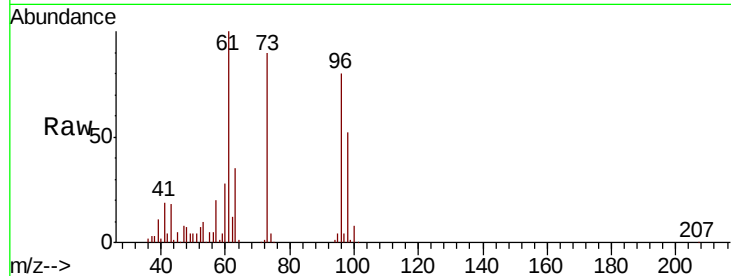
Tot Ion: 96 Resp: 106780

Ion Ratio Lower Upper

96 100

61 125.0 104.5 156.7

98 65.0 50.6 75.8

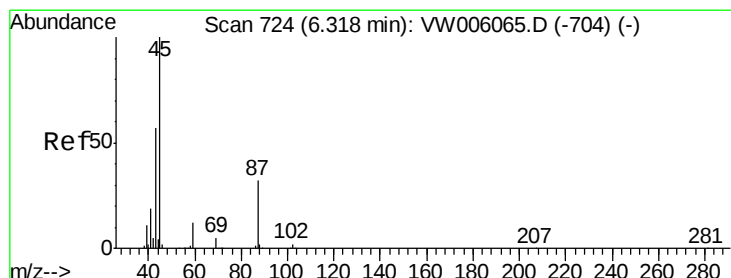
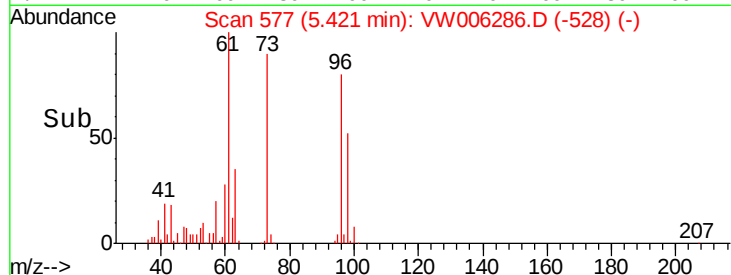
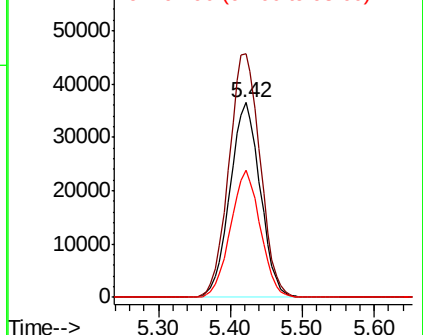


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 58.062 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Tgt Ion: 45 Resp: 280499

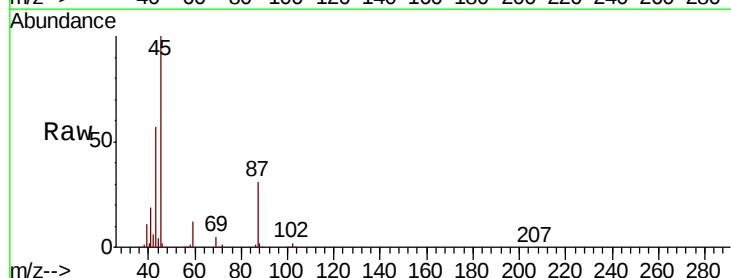
Ion Ratio Lower Upper

45 100

43 56.2 45.7 68.5

87 31.4 25.9 38.9

59 12.3 9.6 14.4



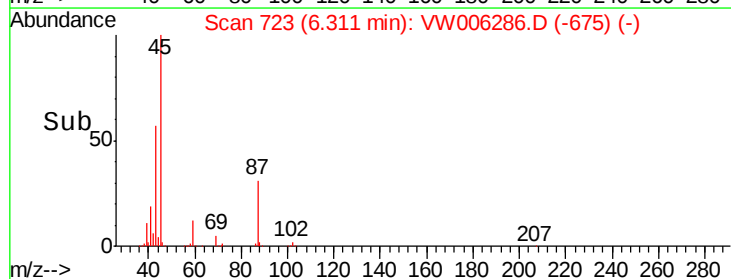
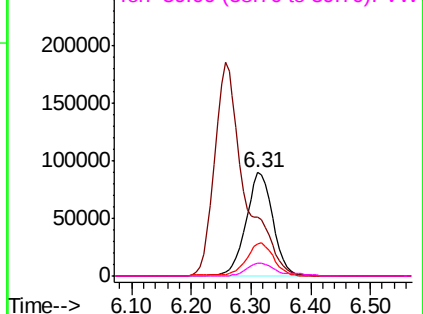
Abundance

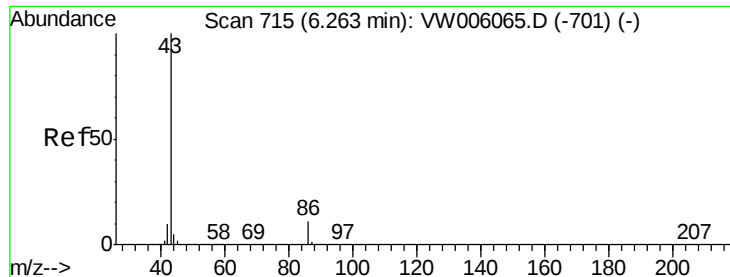
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 226.802 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

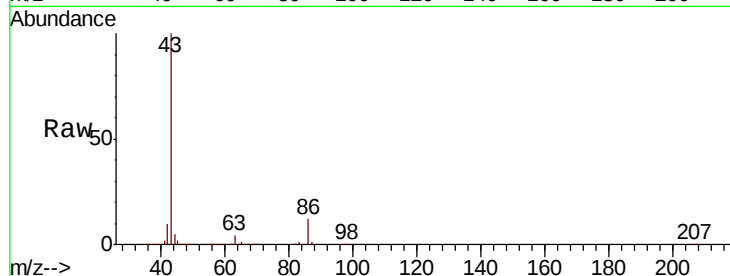
PA-SED-01MS

Tot Ion: 43 Resp: 646622

Ion Ratio Lower Upper

43 100

86 11.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

150000

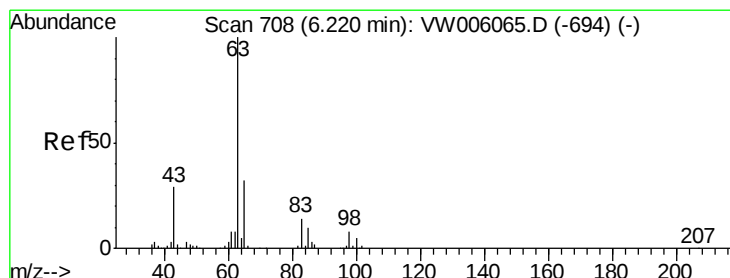
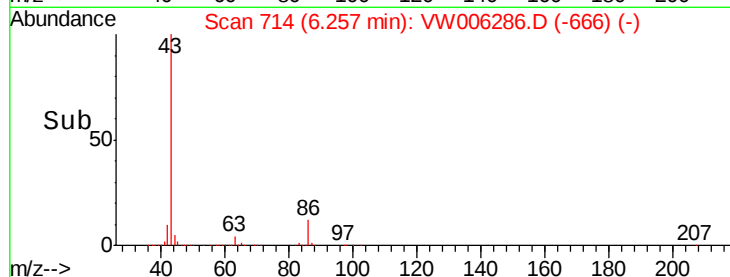
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 58.527 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

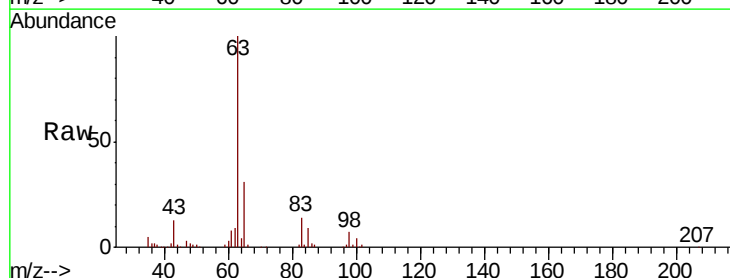
Tgt Ion: 63 Resp: 182444

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

100 4.4 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

80000

60000

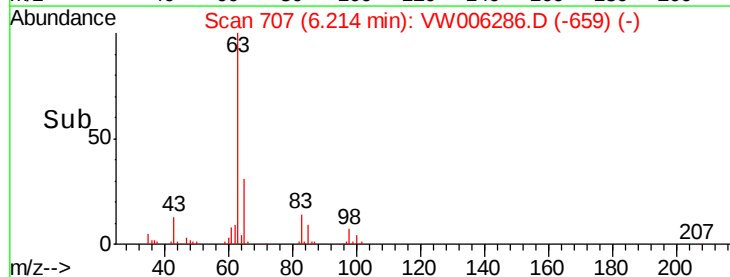
40000

20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 272.871 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

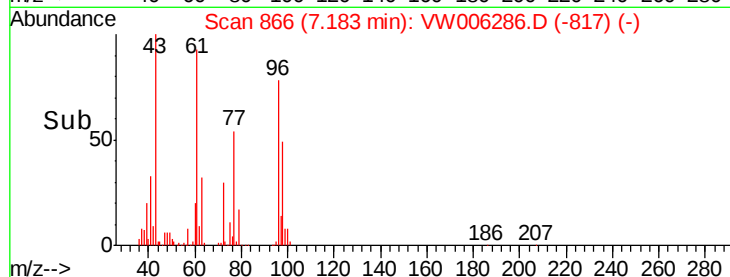
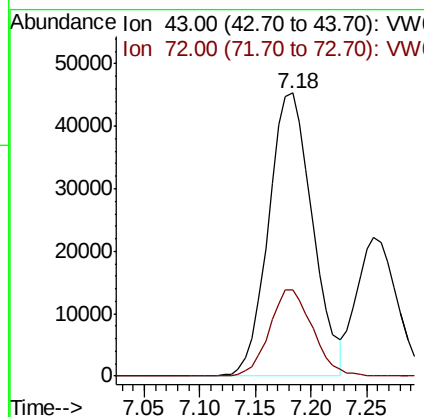
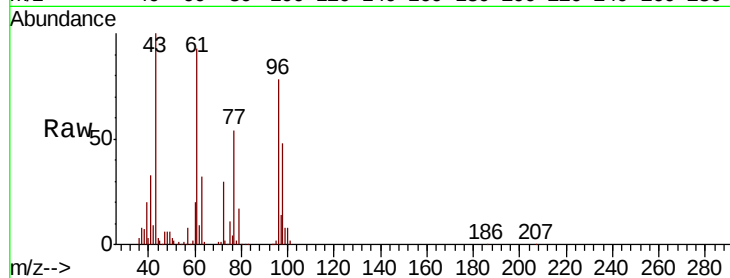
PA-SED-01MS

Tot Ion: 43 Resp: 125058

Ion Ratio Lower Upper

43 100

72 30.4 22.8 34.2



#26

2,2-Dichloropropane

Concen: 42.521 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006286.D

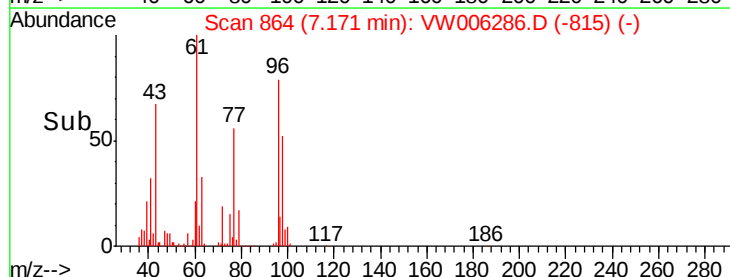
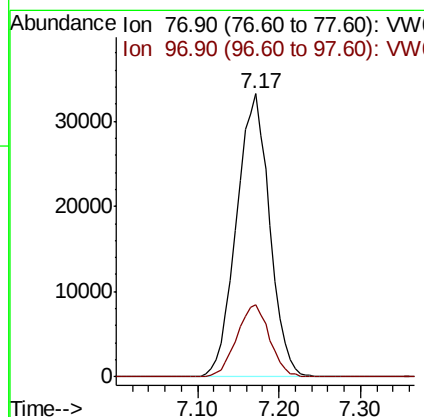
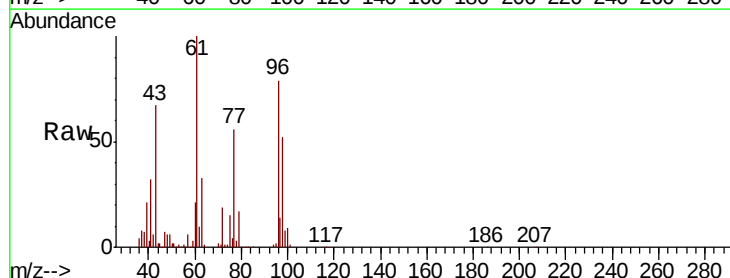
Acq: 23 Oct 2018 08:22

Tgt Ion: 77 Resp: 93486

Ion Ratio Lower Upper

77 100

97 25.0 12.2 36.4



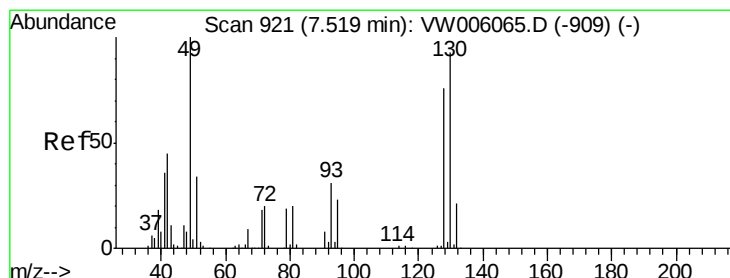
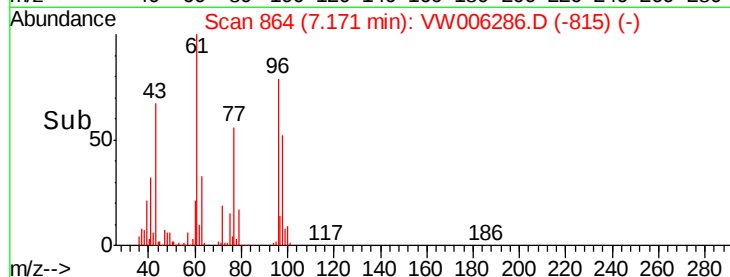
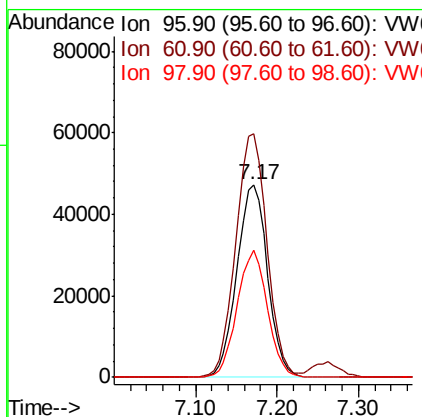
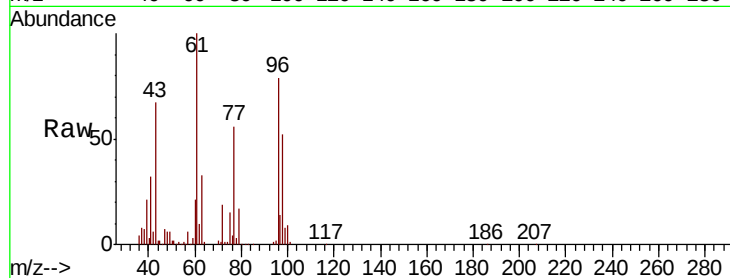


#27

cis-1,2-Dichloroethene
 Concen: 58.563 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

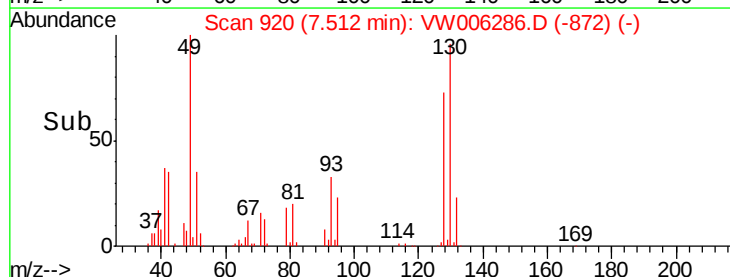
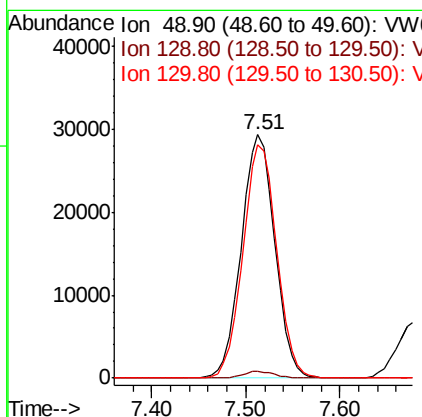
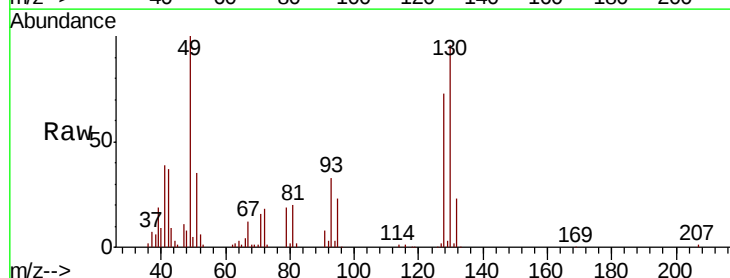
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.6	0.0	267.2
98	64.8	0.0	128.6



#28

Bromochloromethane
 Concen: 60.991 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	96.2	73.8	110.8





#29

Tetrahydrofuran

Concen: 292.199 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

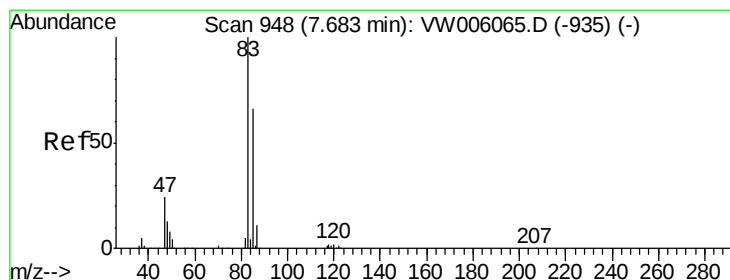
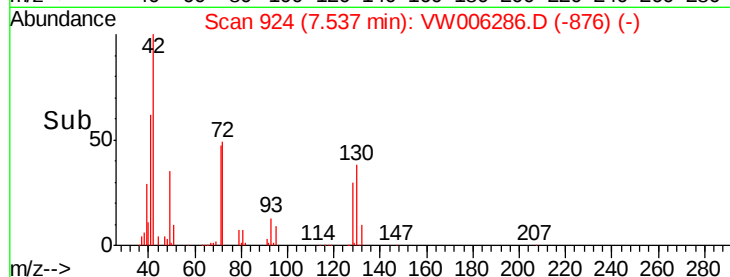
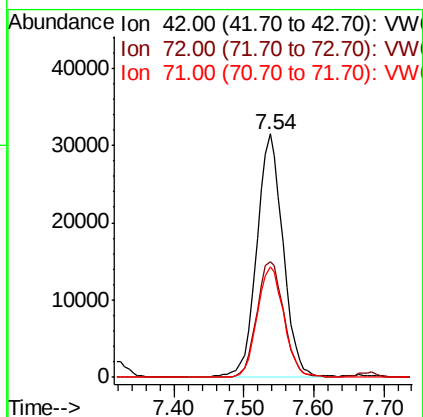
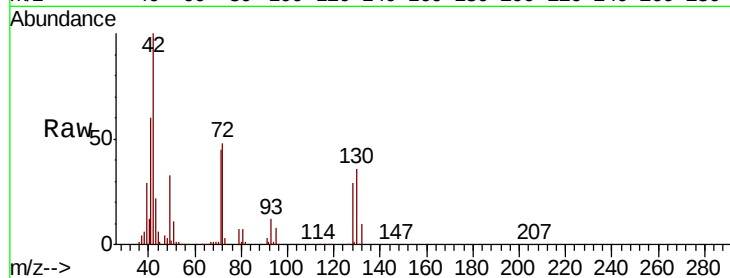
Tot Ion: 42 Resp: 82315

Ion Ratio Lower Upper

42 100

72 48.9 38.0 57.0

71 46.0 35.3 52.9



#30

Chloroform

Concen: 59.361 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006286.D

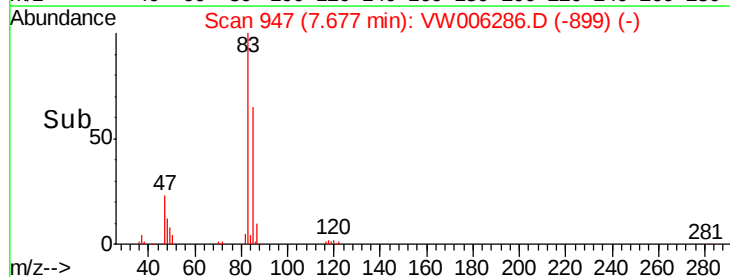
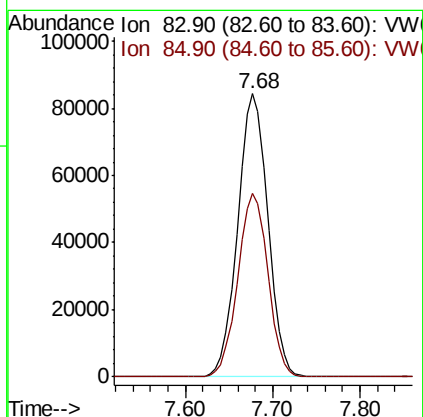
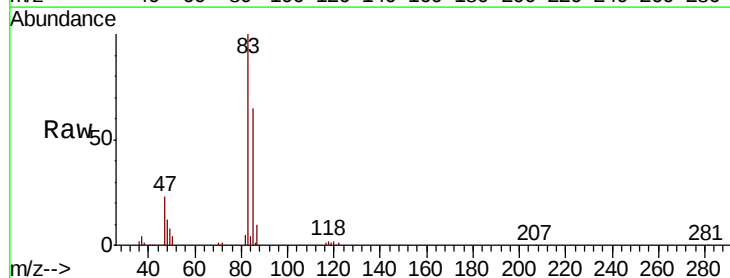
Acq: 23 Oct 2018 08:22

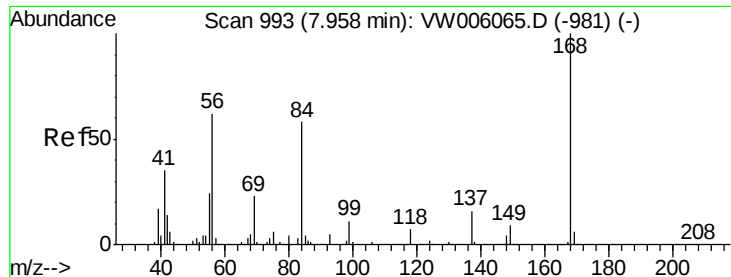
Tgt Ion: 83 Resp: 201607

Ion Ratio Lower Upper

83 100

85 64.8 52.6 79.0

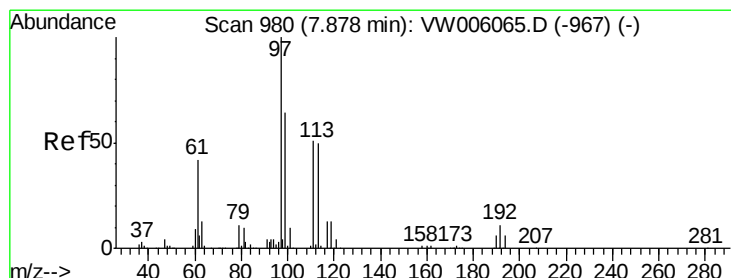
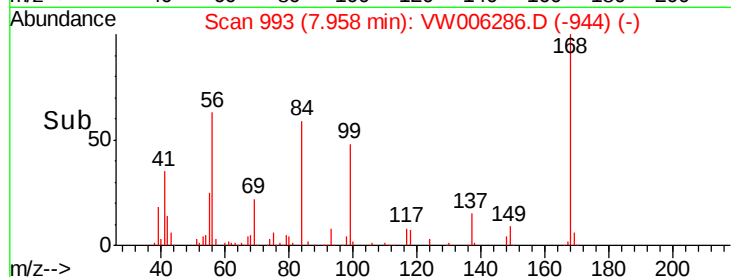
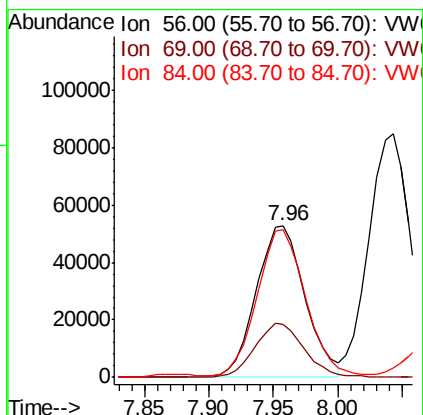
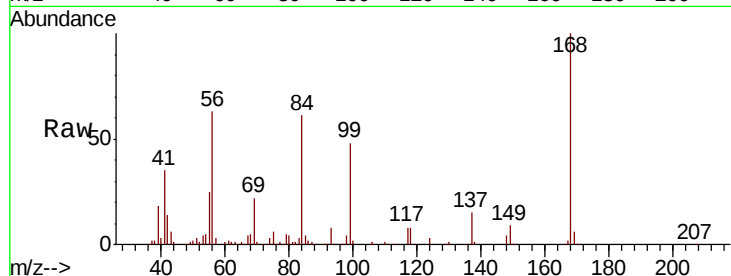




#31
Cyclohexane
Concen: 44.717 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

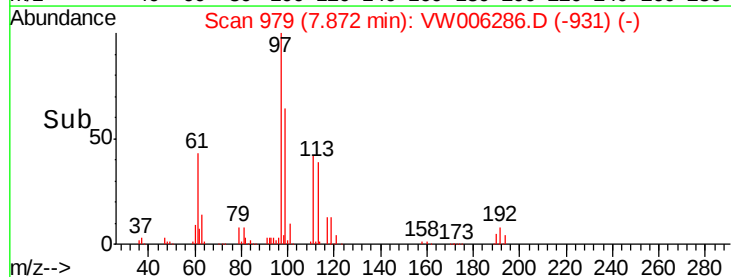
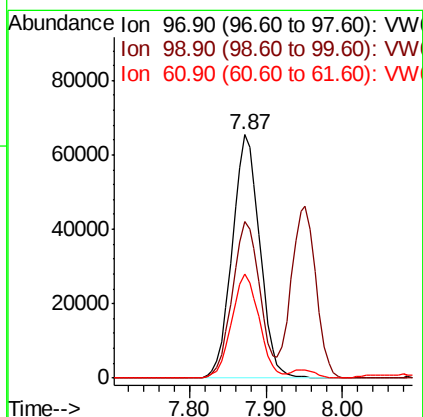
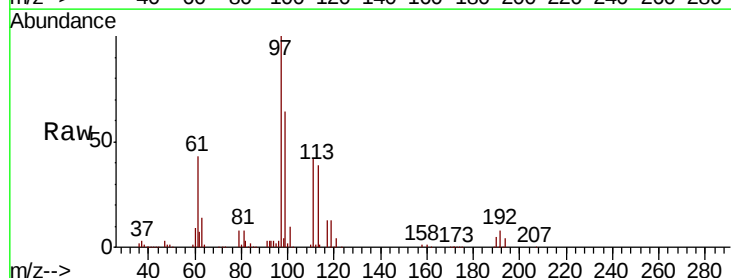
Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

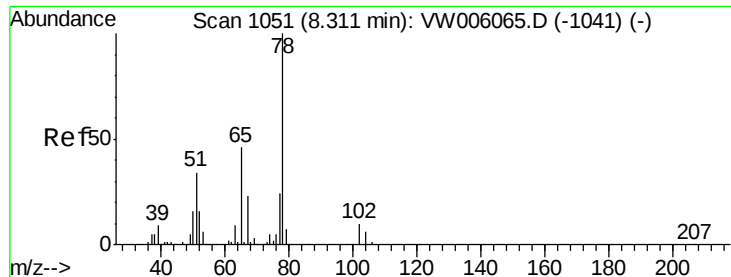
Tot Ion: 56 Resp: 138817
Ion Ratio Lower Upper
56 100
69 35.2 29.4 44.0
84 95.5 74.0 111.0



#32
1,1,1-Trichloroethane
Concen: 53.153 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion: 97 Resp: 162841
Ion Ratio Lower Upper
97 100
99 64.9 50.9 76.3
61 43.0 33.7 50.5

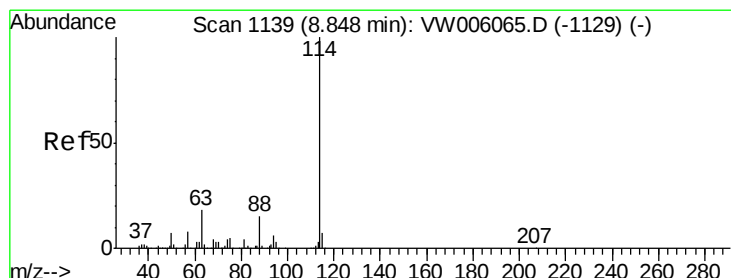
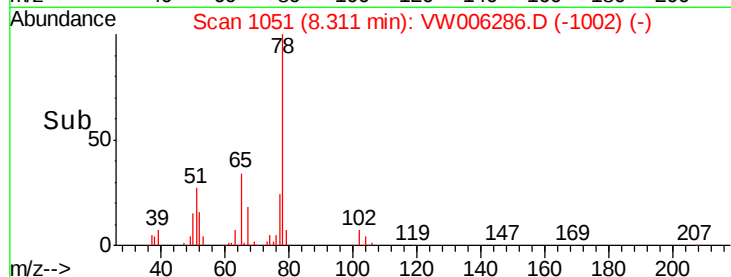
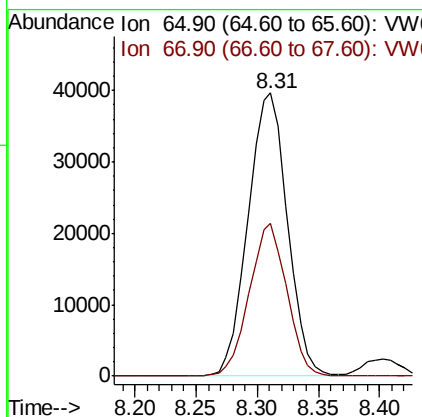
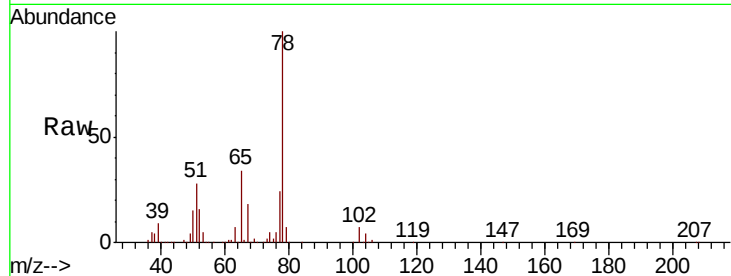




#33
 1,2-Dichloroethane-d4
 Concen: 52.373 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

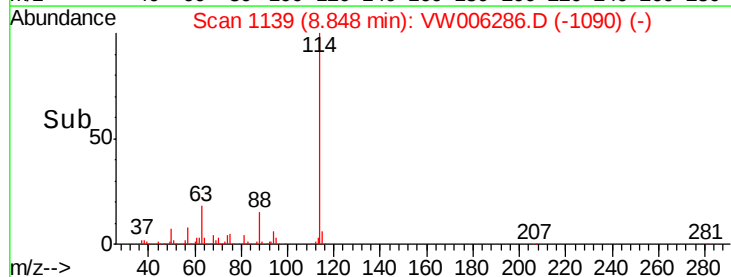
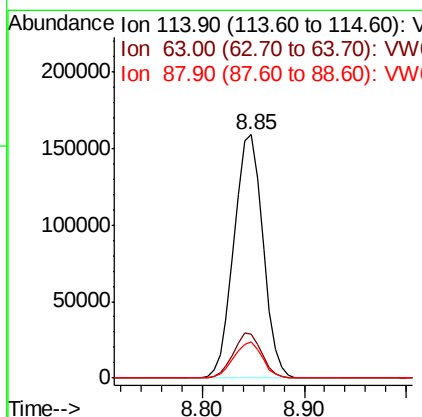
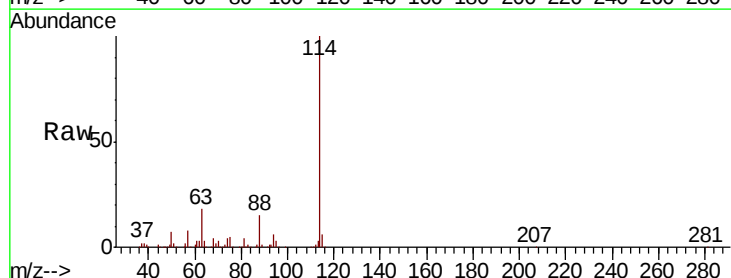
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion: 65 Resp: 88850
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion: 114 Resp: 313875
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.8
 88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.491 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

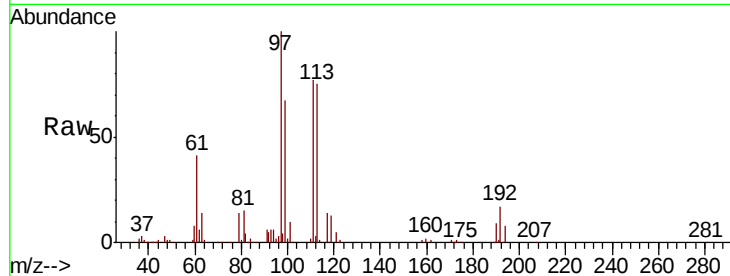
Tot Ion:113 Resp: 91790

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

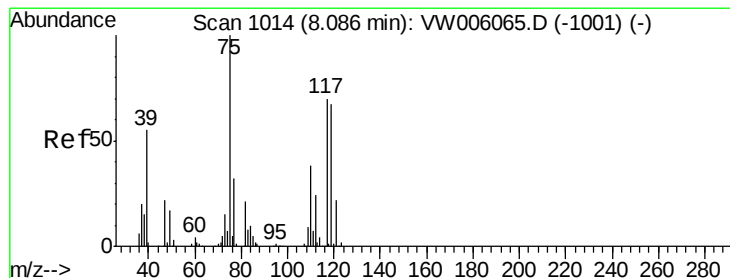
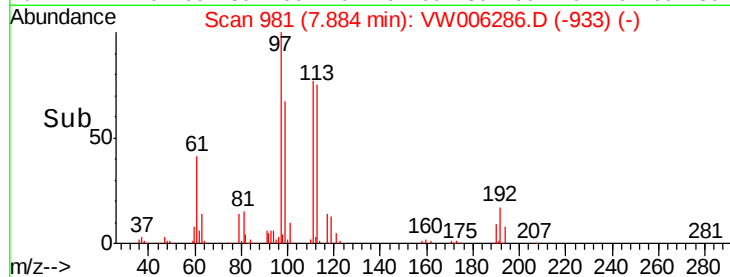
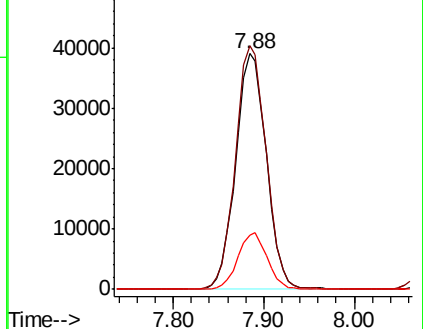
192 23.1 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.607 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

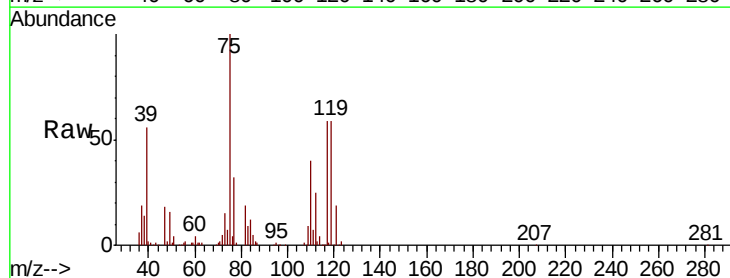
Tgt Ion: 75 Resp: 146410

Ion Ratio Lower Upper

75 100

110 37.9 19.1 57.1

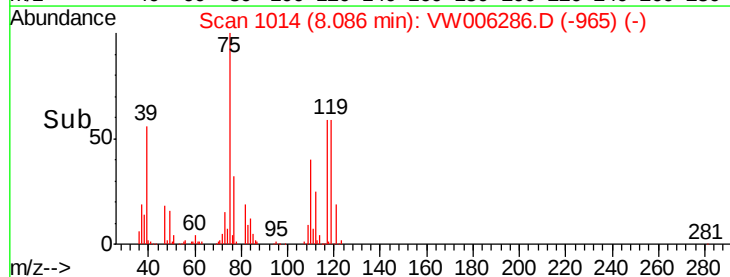
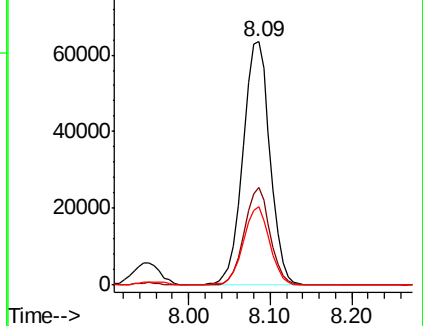
77 31.4 25.0 37.4

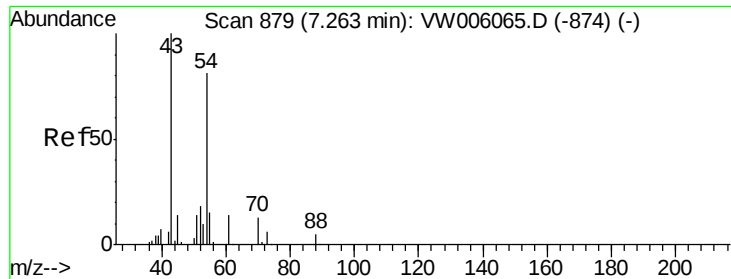


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

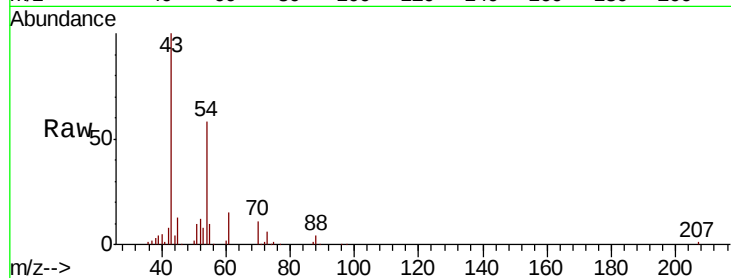




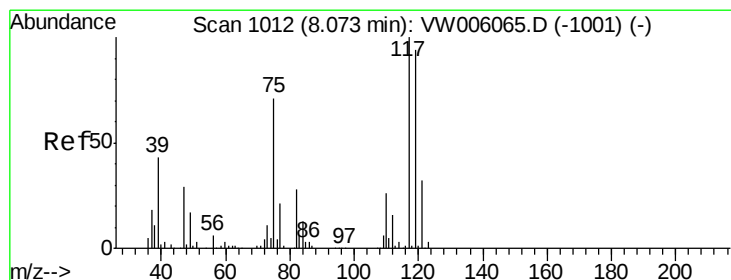
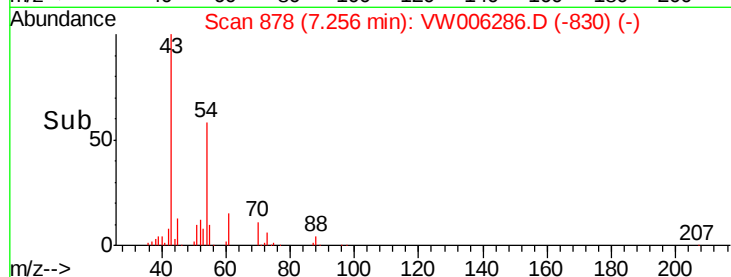
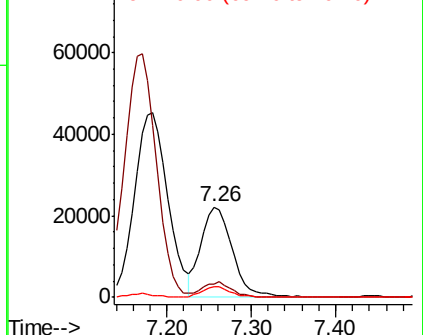
#37
Ethyl Acetate
Concen: 53.548 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion: 43 Resp: 57558
Ion Ratio Lower Upper
43 100
61 15.4 11.5 17.3
70 11.1 9.2 13.8

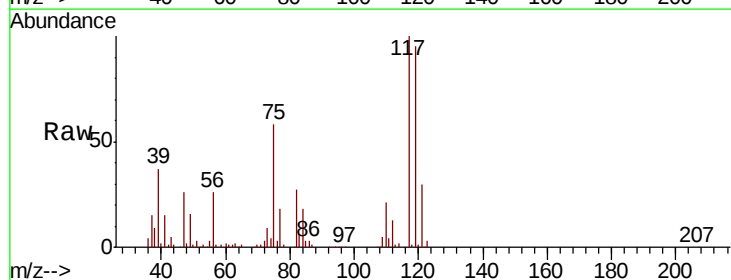


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

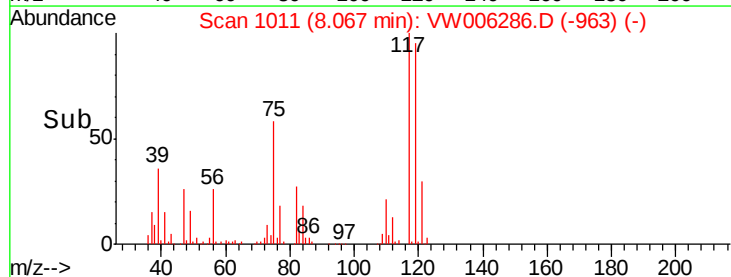
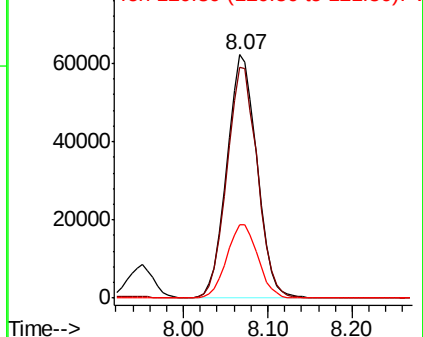


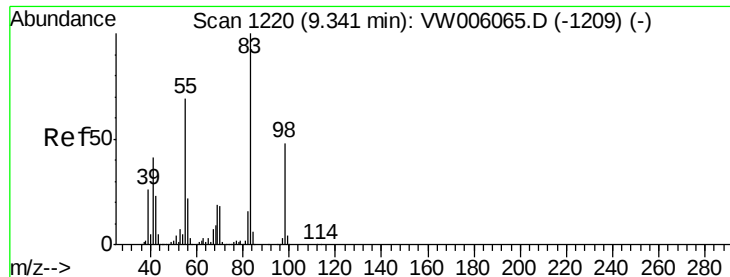
#38
Carbon Tetrachloride
Concen: 47.632 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion: 117 Resp: 151066
Ion Ratio Lower Upper
117 100
119 94.8 75.2 112.8
121 30.1 25.3 37.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

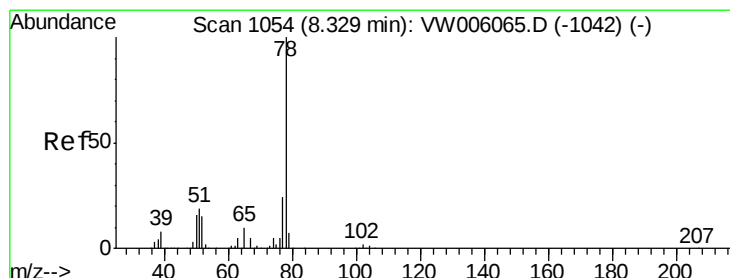
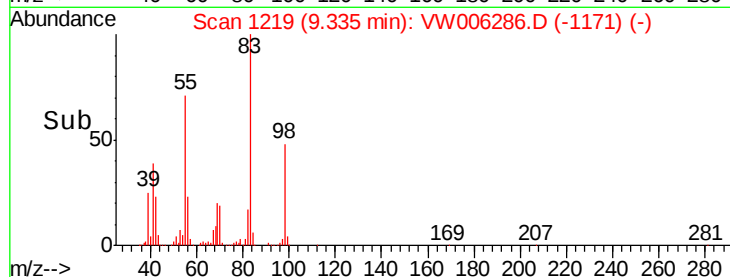
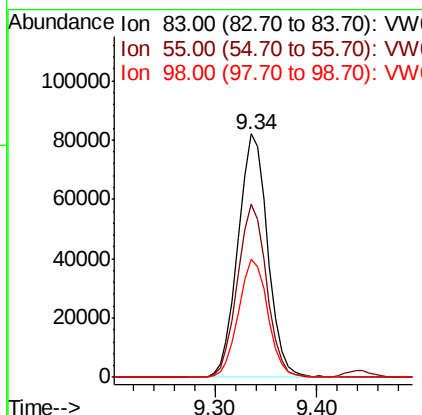
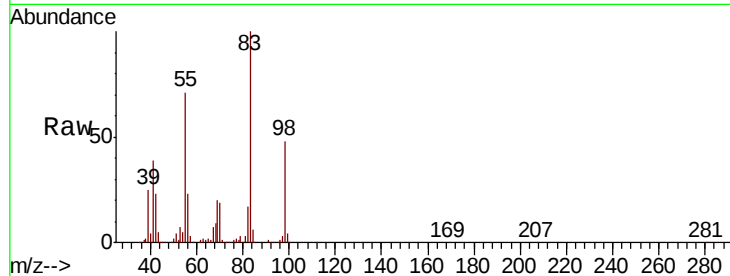




#39
Methvlcvclohexane
Concen: 43.100 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

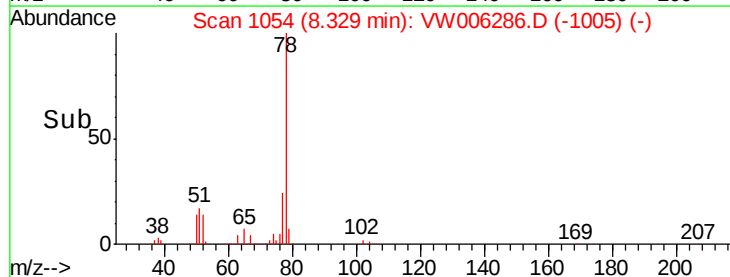
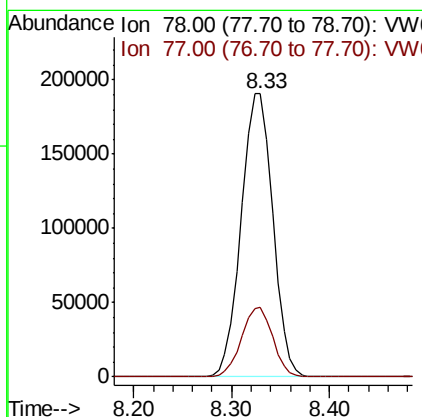
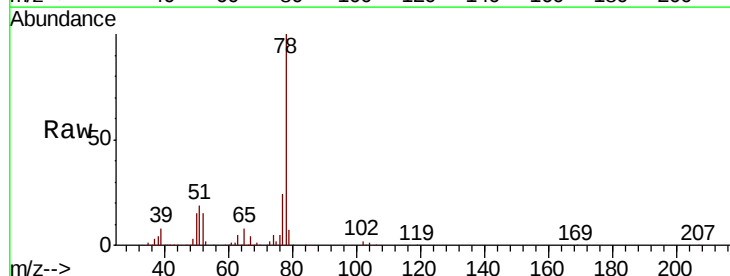
Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

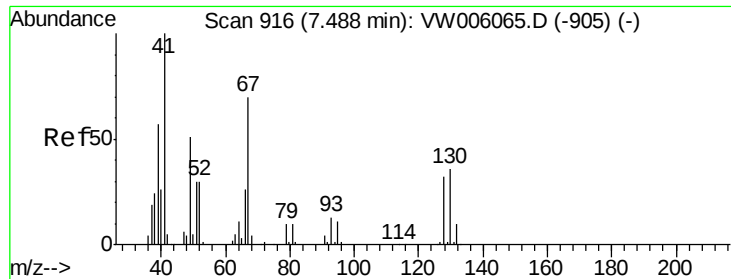
Tot Ion: 83 Resp: 165746
Ion Ratio Lower Upper
83 100
55 71.1 55.0 82.6
98 48.4 38.6 57.8



#40
Benzene
Concen: 54.125 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion: 78 Resp: 429532
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0





#41

Methacrylonitrile

Concen: 52.886 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

Tot Ion: 41 Resp: 34269

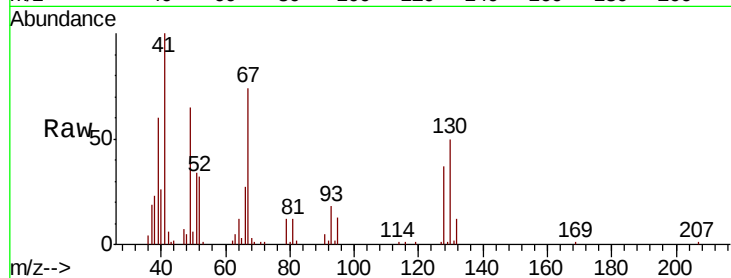
Ion Ratio Lower Upper

41 100

39 63.4 46.2 69.4

67 77.8 57.7 86.5

52 33.2 24.7 37.1



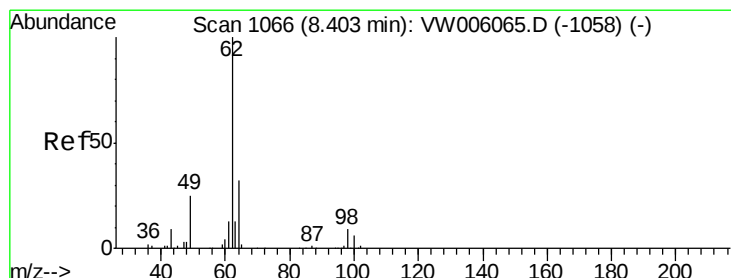
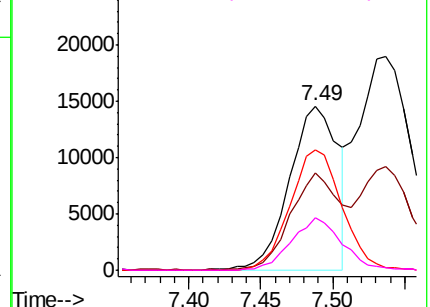
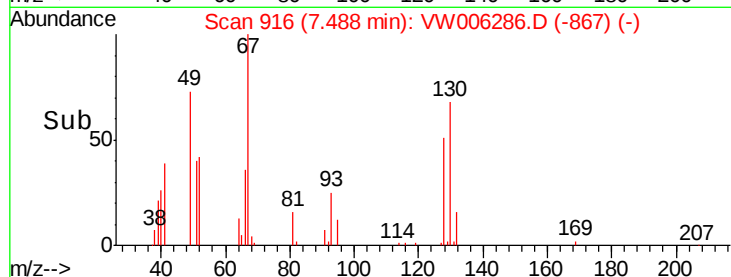
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 55.931 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW006286.D

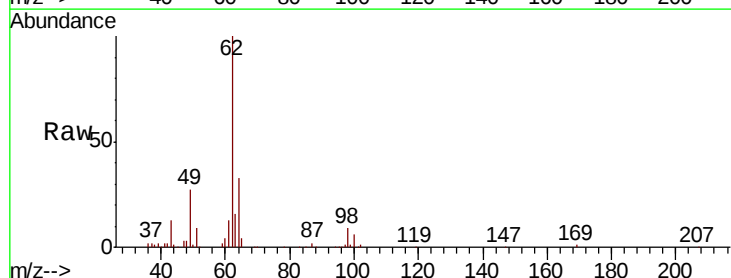
Acq: 23 Oct 2018 08:22

Tgt Ion: 62 Resp: 130407

Ion Ratio Lower Upper

62 100

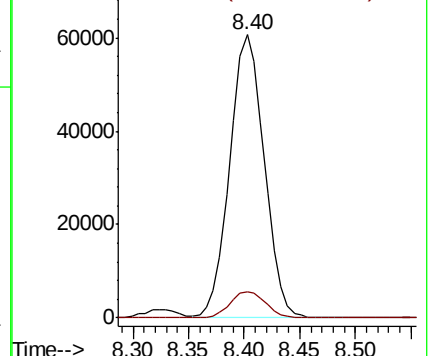
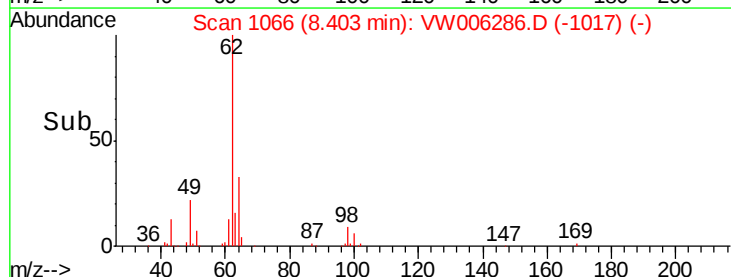
98 9.5 0.0 18.4

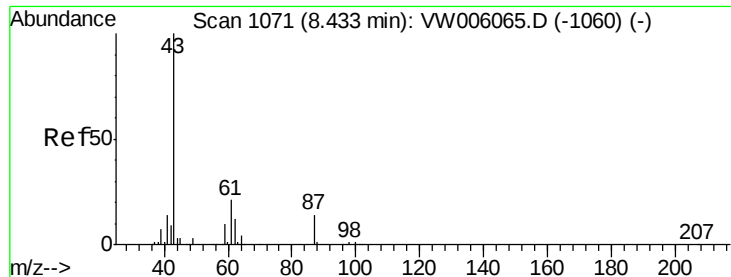


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 52.915 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

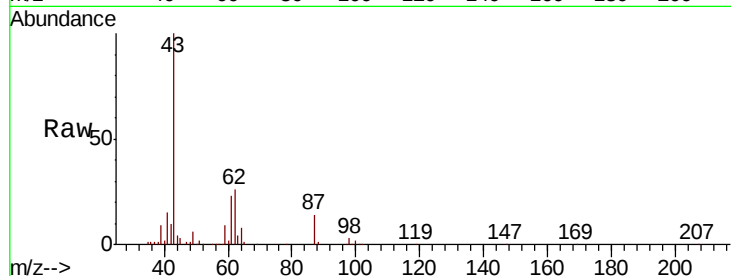
Tot Ion: 43 Resp: 116294

Ion Ratio Lower Upper

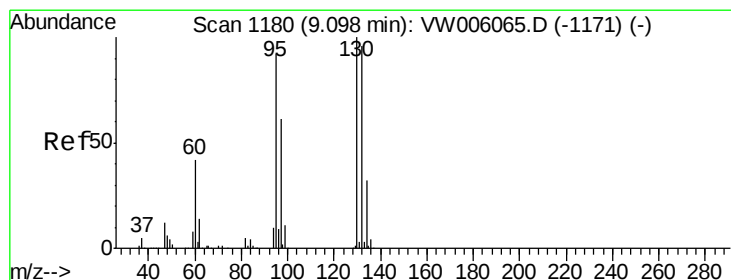
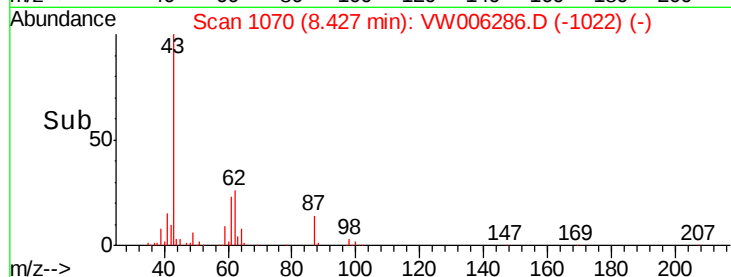
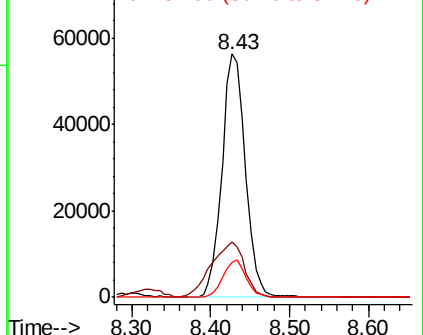
43 100

61 31.9 25.5 38.3

87 15.1 11.7 17.5



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: 52.379 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006286.D

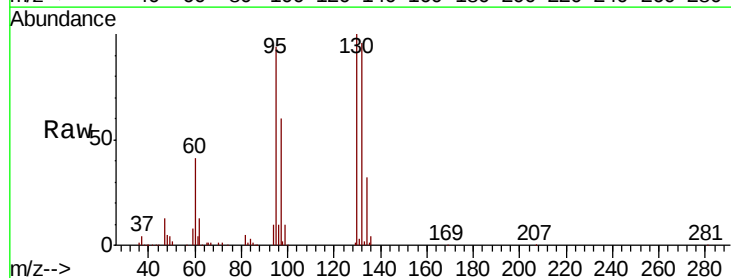
Acq: 23 Oct 2018 08:22

Tgt Ion: 130 Resp: 127528

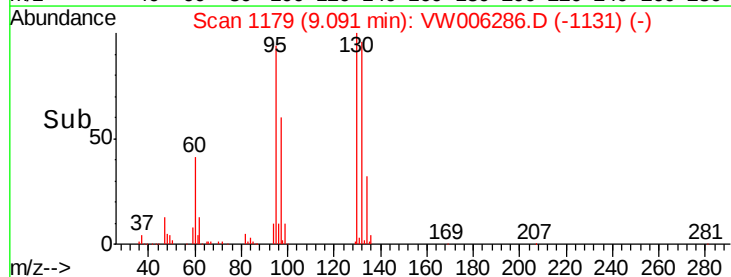
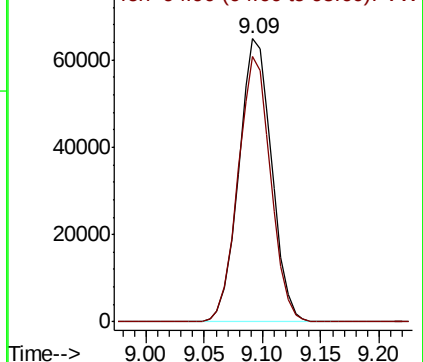
Ion Ratio Lower Upper

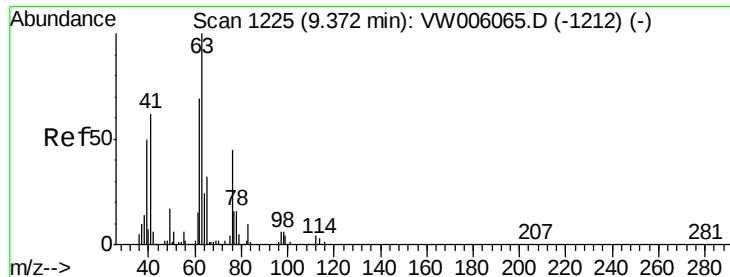
130 100

95 93.7 0.0 183.2



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

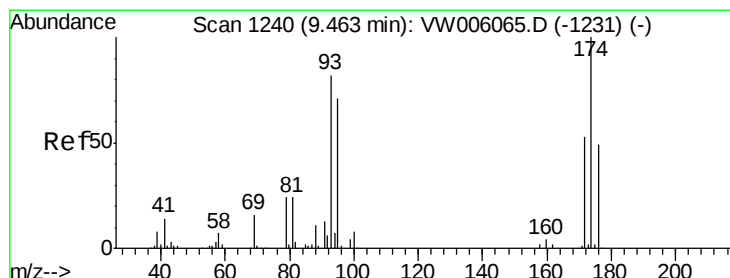
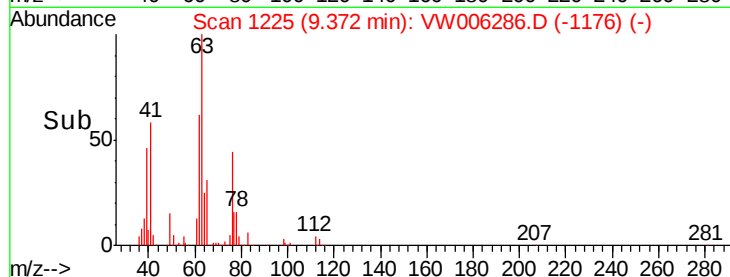
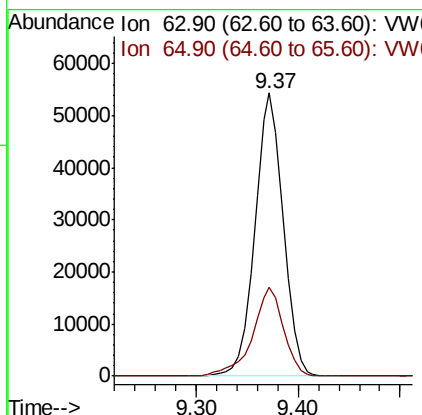
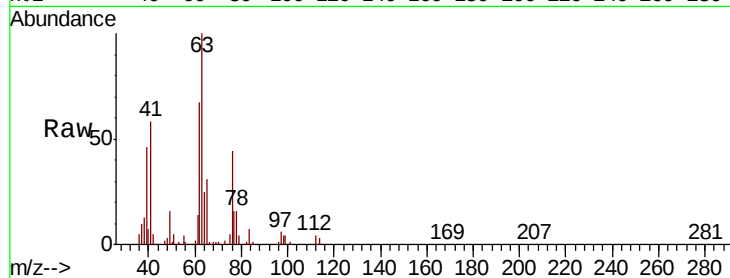




#45
 1,2-Dichloropropane
 Concen: 55.121 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

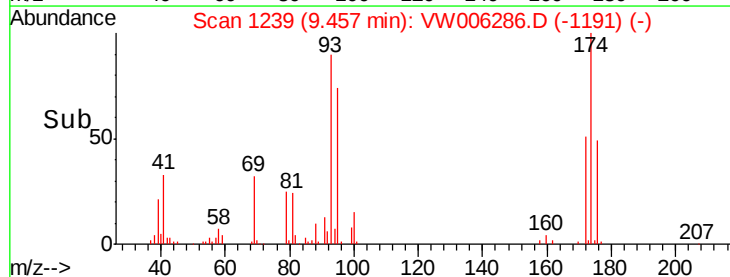
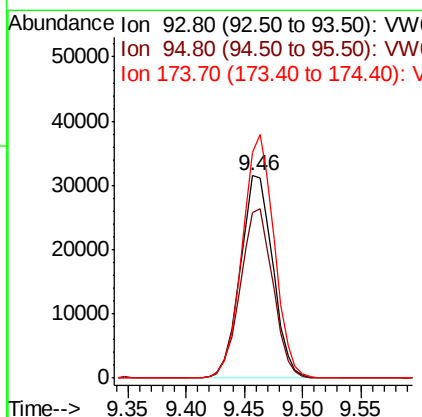
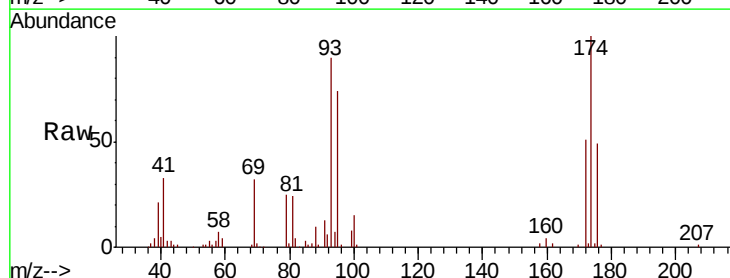
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion: 63 Resp: 104674
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.4 38.0



#46
 Dibromomethane
 Concen: 56.926 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion: 93 Resp: 61613
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.7 101.5
 174 117.7 93.7 140.5





#47

Bromodichloromethane

Concen: 54.085 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

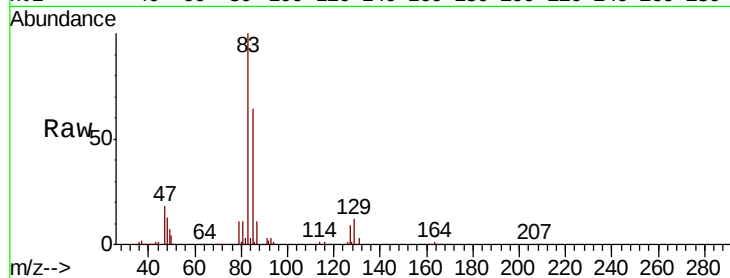
Tot Ion: 83 Resp: 141924

Ion Ratio Lower Upper

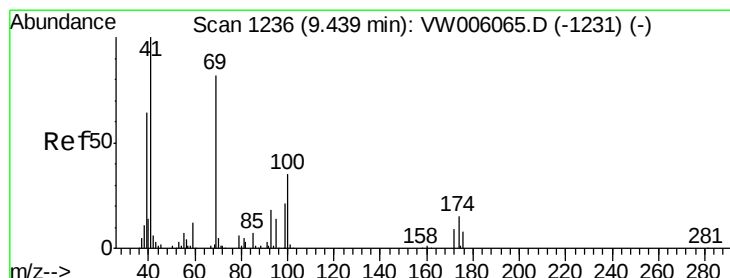
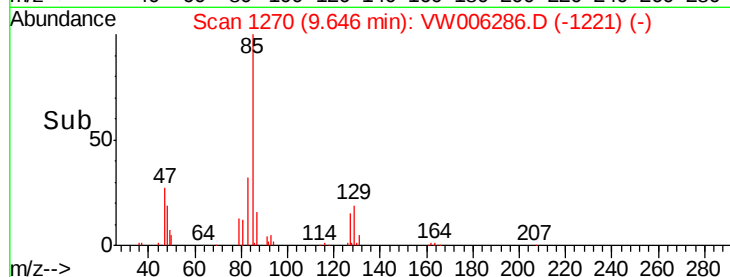
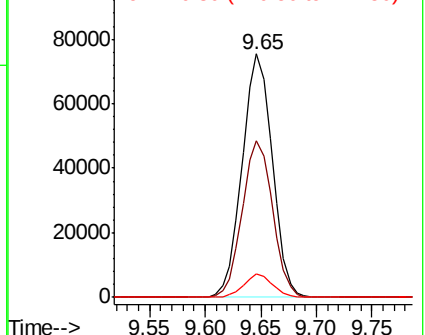
83 100

85 64.2 51.8 77.8

127 9.5 6.9 10.3



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



#48

Methyl methacrylate

Concen: 53.879 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

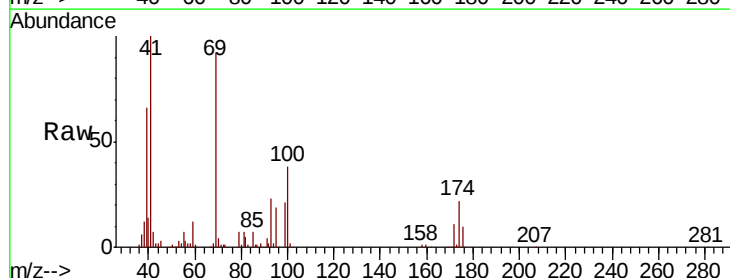
Tgt Ion: 41 Resp: 56129

Ion Ratio Lower Upper

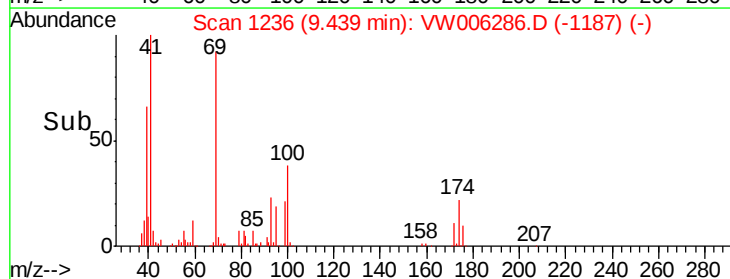
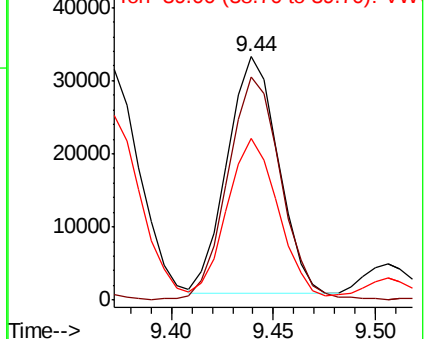
41 100

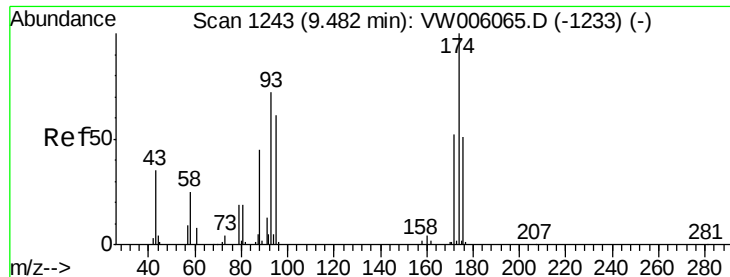
69 97.6 71.8 107.8

39 69.6 52.5 78.7



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

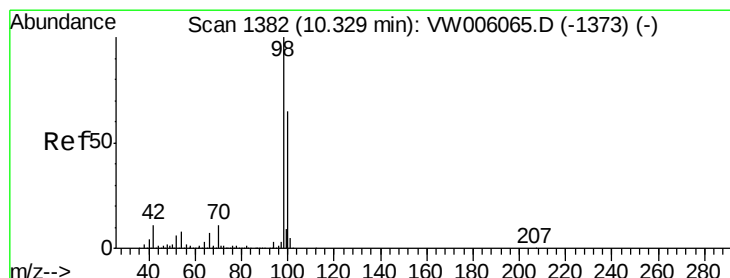
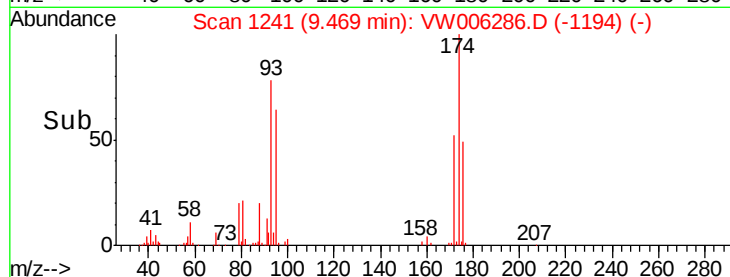
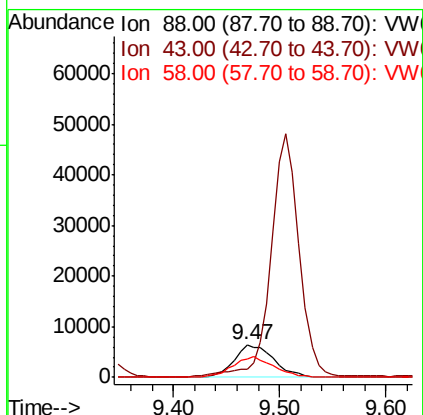
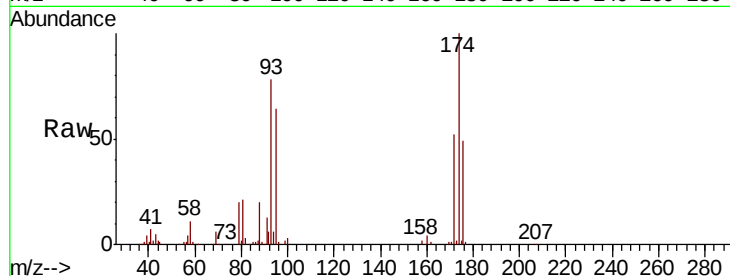




#49
1,4-Dioxane
Concen: 1007.850 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

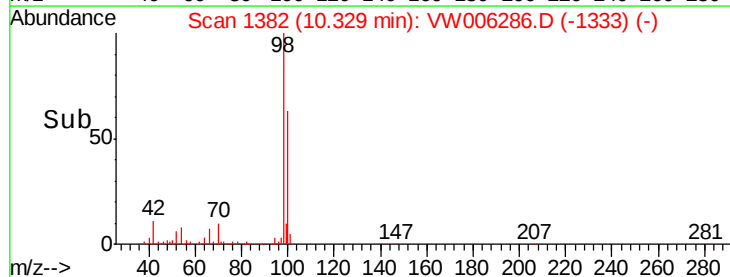
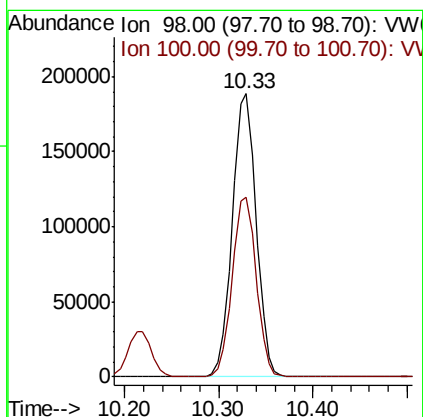
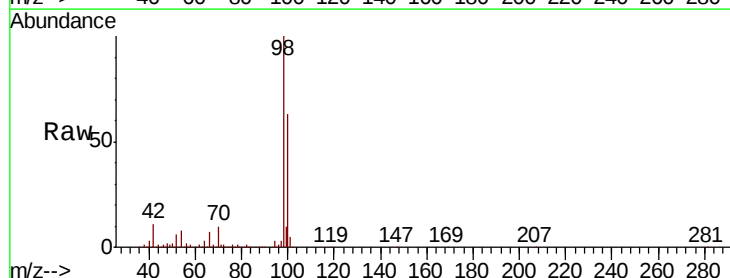
Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

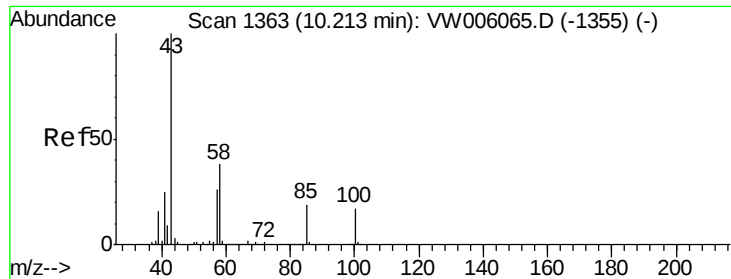
Tot Ion: 88 Resp: 16793
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 66.8 51.2 76.8



#50
Toluene-d8
Concen: 46.973 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion: 98 Resp: 331450
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 275.813 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

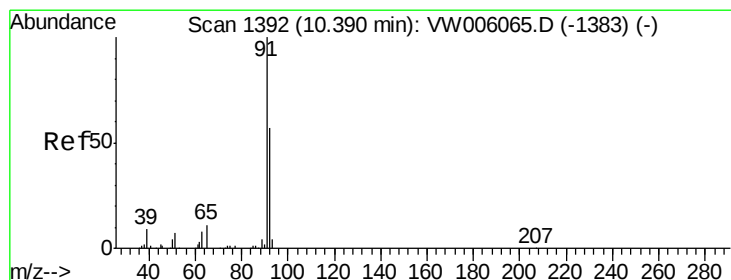
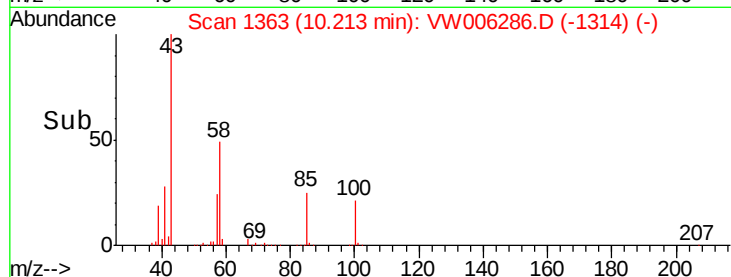
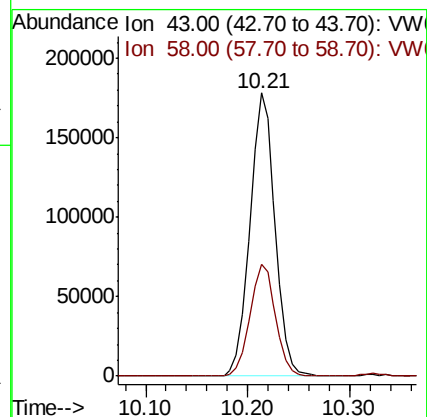
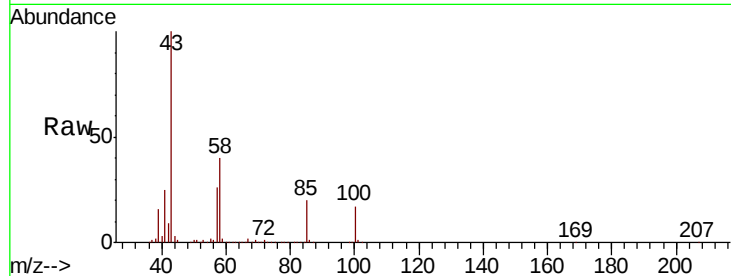
PA-SED-01MS

Tot Ion: 43 Resp: 303712

Ion Ratio Lower Upper

43 100

58 40.3 31.5 47.3



#52

Toluene

Concen: 53.475 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006286.D

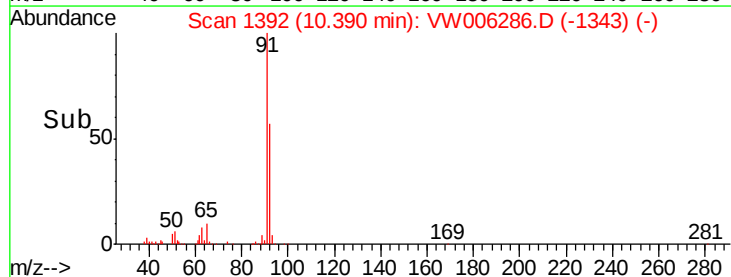
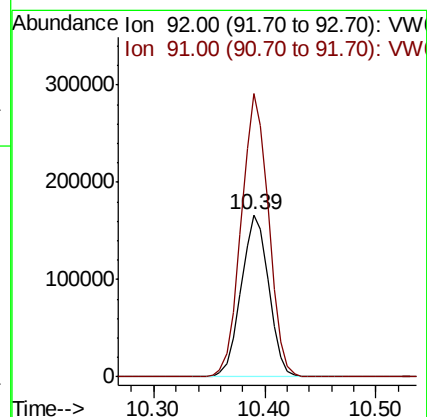
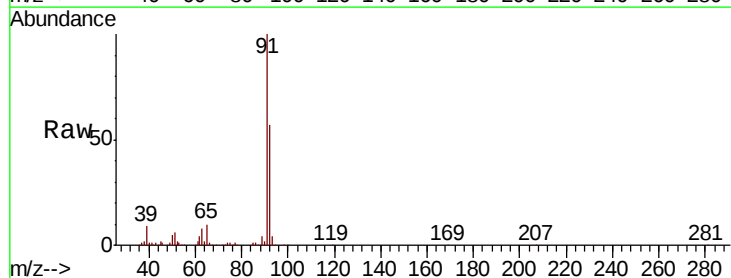
Acq: 23 Oct 2018 08:22

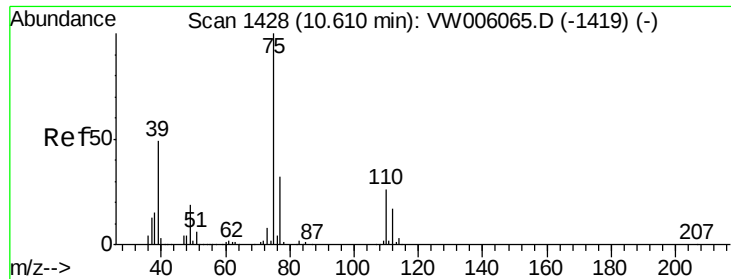
Tgt Ion: 92 Resp: 284508

Ion Ratio Lower Upper

92 100

91 173.3 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 50.756 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

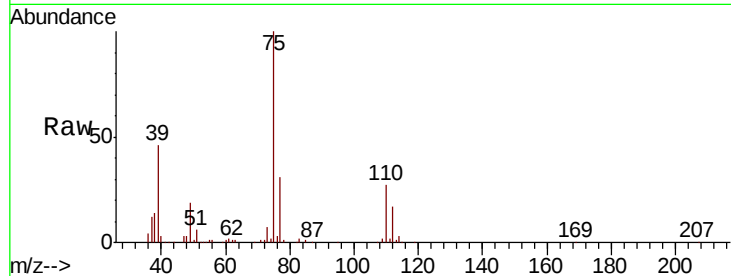
PA-SED-01MS

Tot Ion: 75 Resp: 132697

Ion Ratio Lower Upper

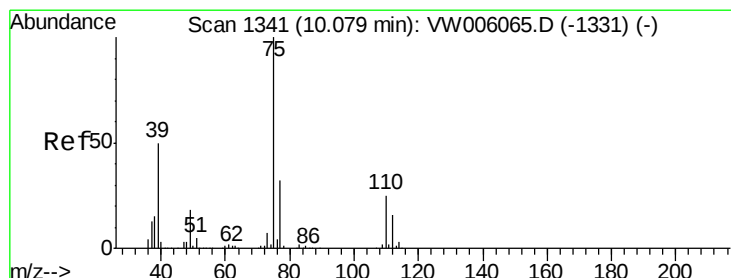
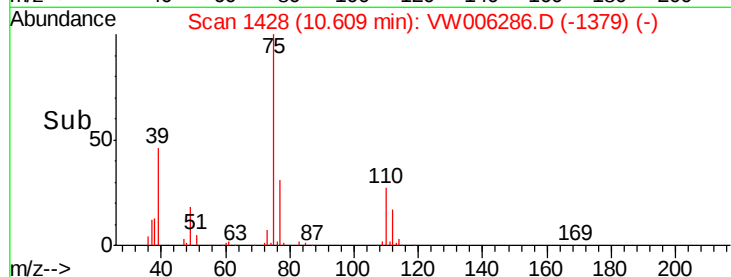
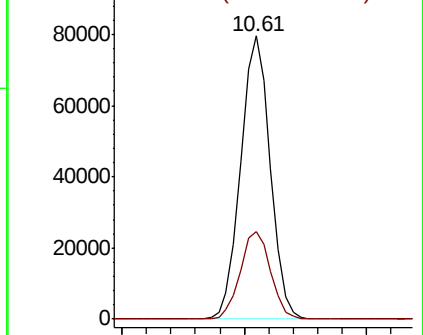
75 100

77 30.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 51.547 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

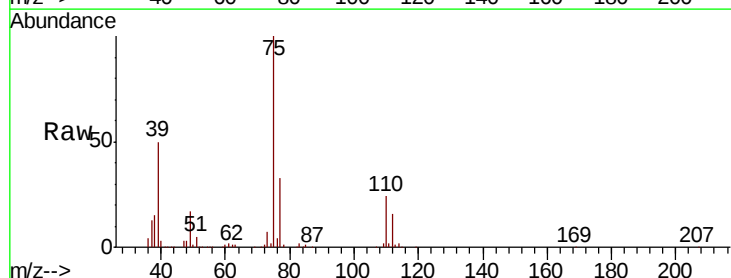
Tgt Ion: 75 Resp: 154671

Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8

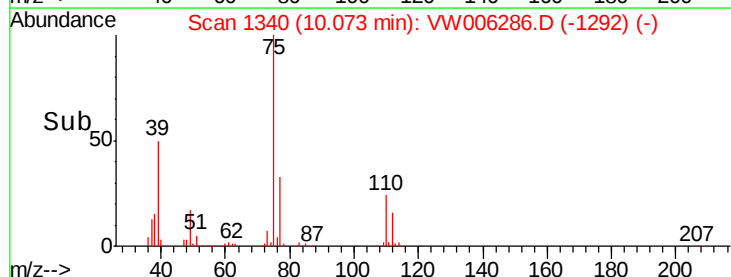
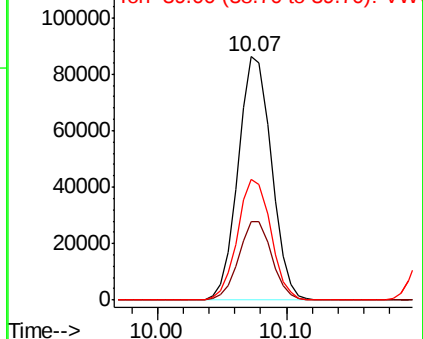
39 49.6 39.9 59.9

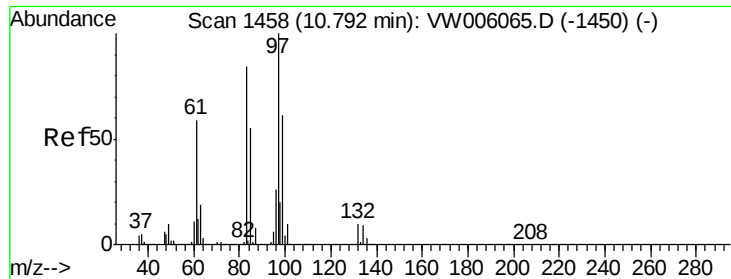


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

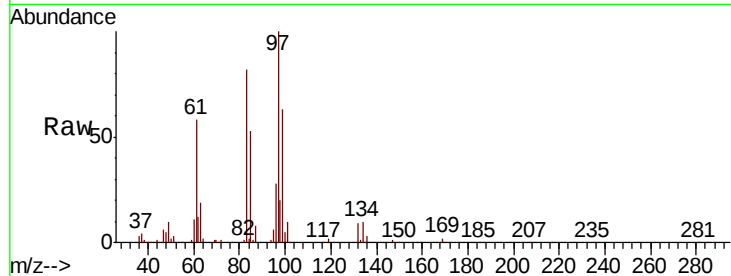




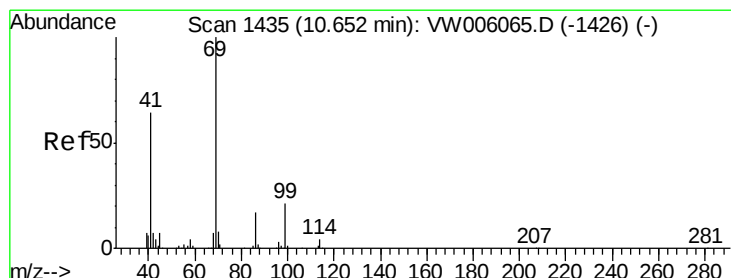
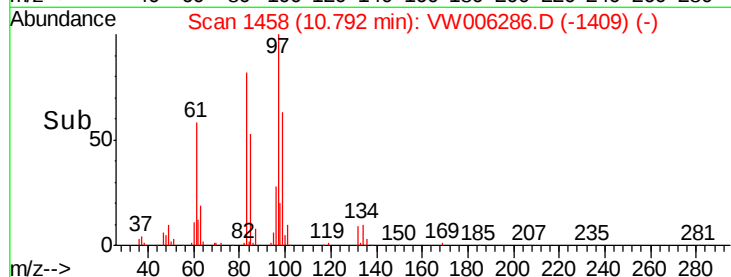
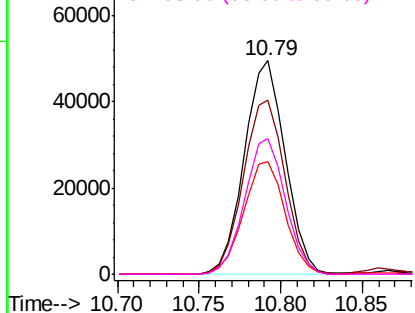
#55
 1,1,2-Trichloroethane
 Concen: 57.093 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion: 97 Resp: 86474
 Ion Ratio Lower Upper
 97 100
 83 81.8 67.2 100.8
 85 52.6 43.7 65.5
 99 63.3 48.5 72.7

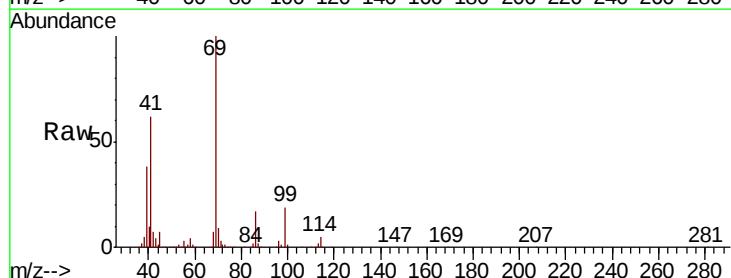


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

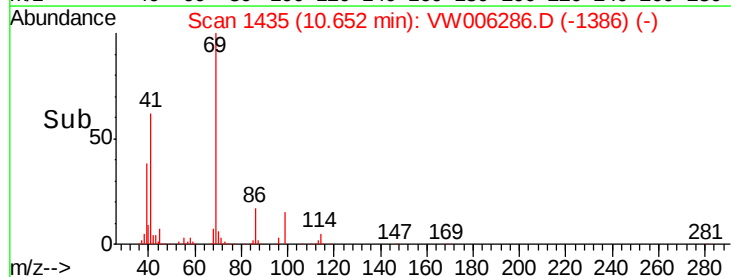
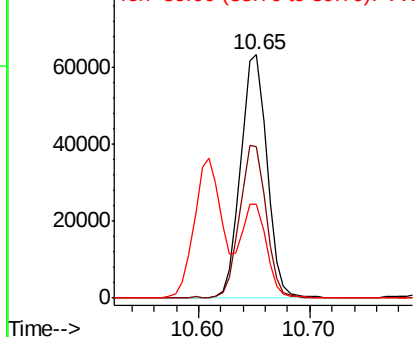


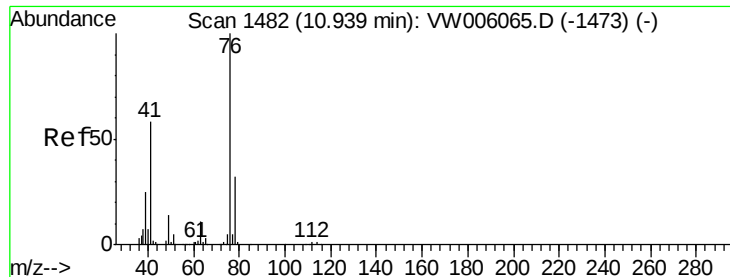
#56
 Ethyl methacrylate
 Concen: 55.706 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion: 69 Resp: 103435
 Ion Ratio Lower Upper
 69 100
 41 64.1 52.8 79.2
 39 38.4 30.6 45.8



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

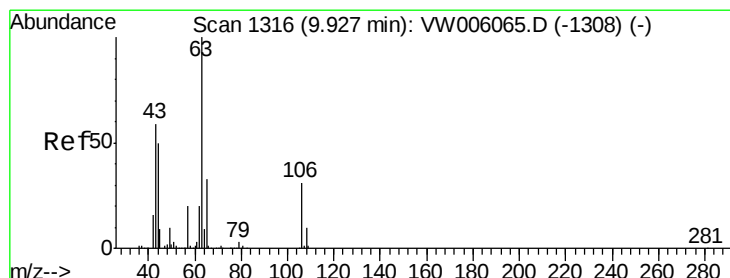
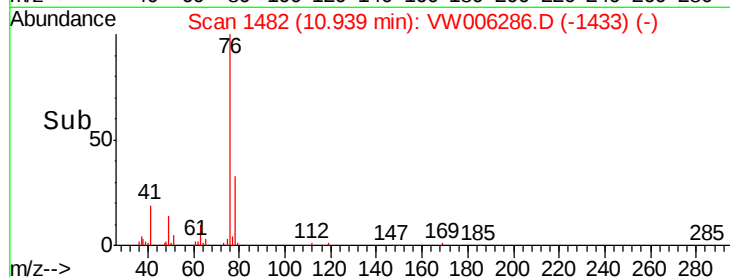
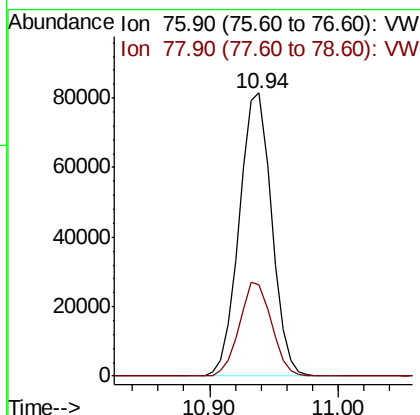
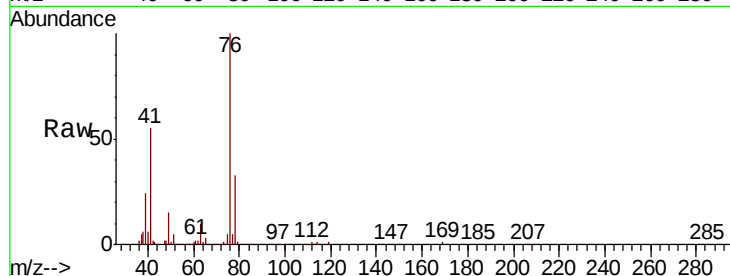




#57
 1,3-Dichloropropane
 Concen: 56.493 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

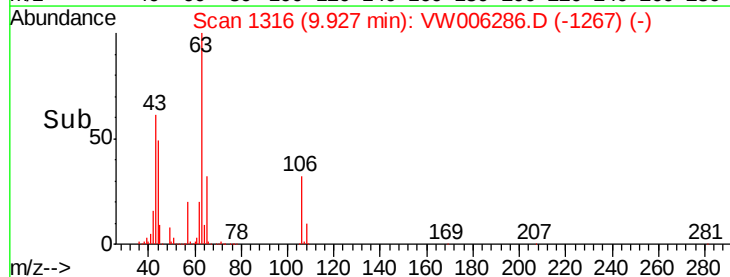
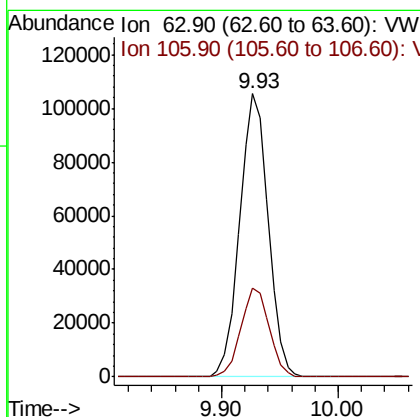
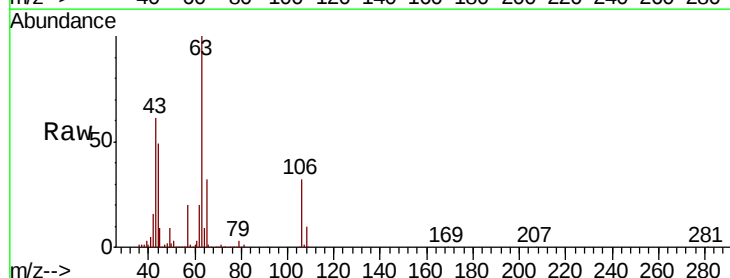
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

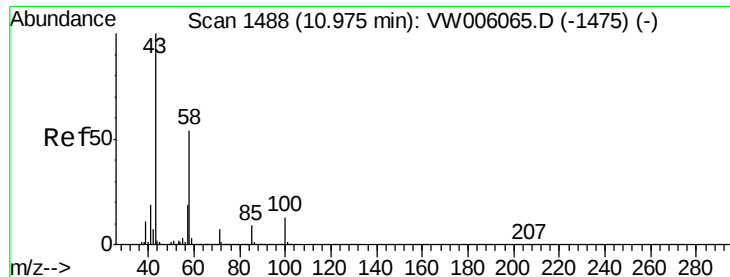
Tot Ion: 76 Resp: 141644
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.768 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion: 63 Resp: 180048
 Ion Ratio Lower Upper
 63 100
 106 31.3 24.5 36.7

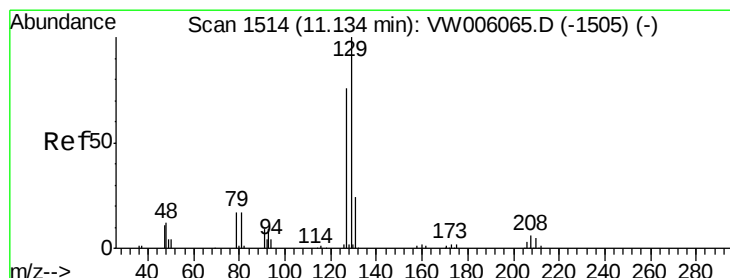
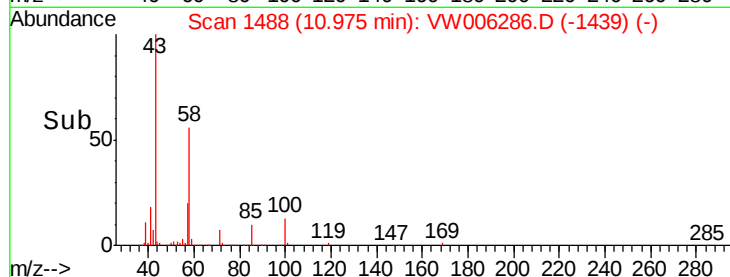
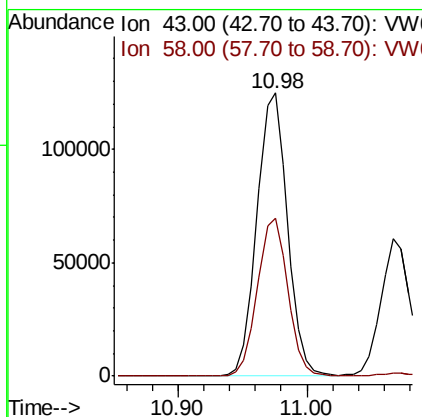
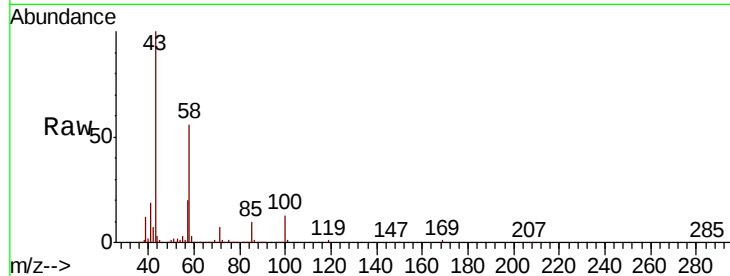




#59
2-Hexanone
Concen: 260.110 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

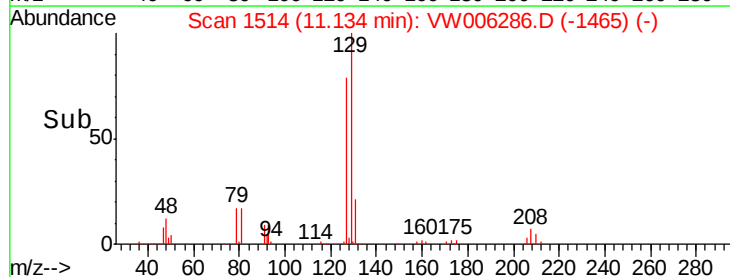
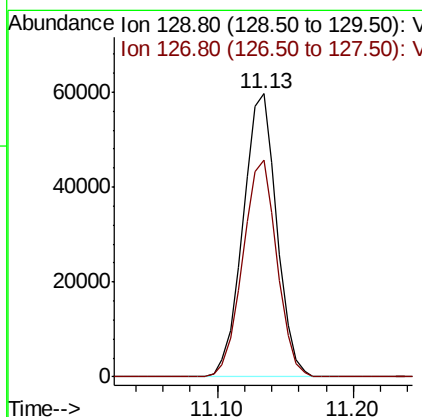
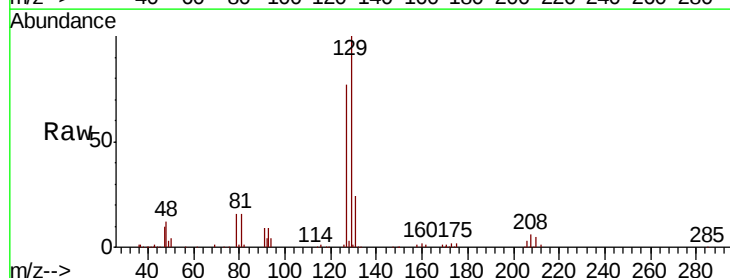
Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

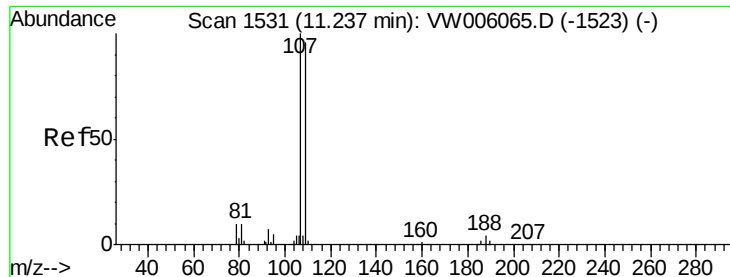
Tot Ion: 43 Resp: 204457
Ion Ratio Lower Upper
43 100
58 55.8 26.9 80.6



#60
Dibromochloromethane
Concen: 54.852 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion: 129 Resp: 103484
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 56.933 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

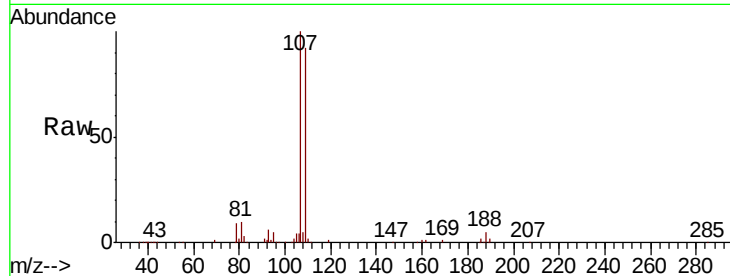
PA-SED-01MS

Tot Ion:107 Resp: 86161

Ion Ratio Lower Upper

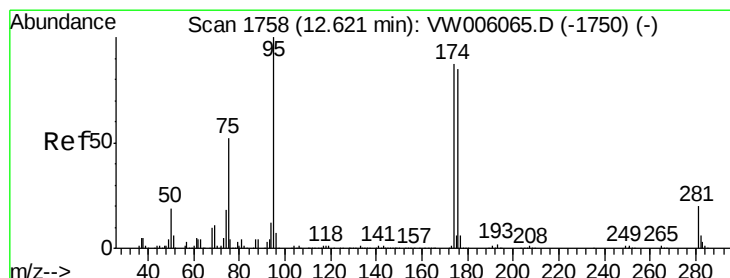
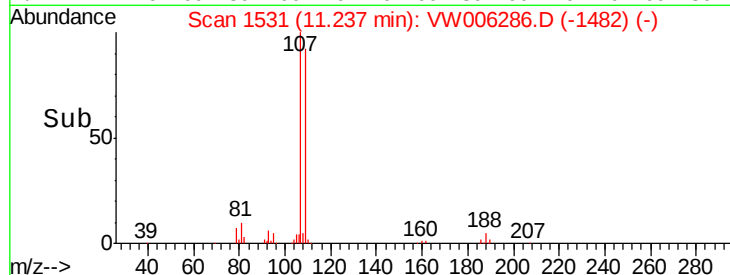
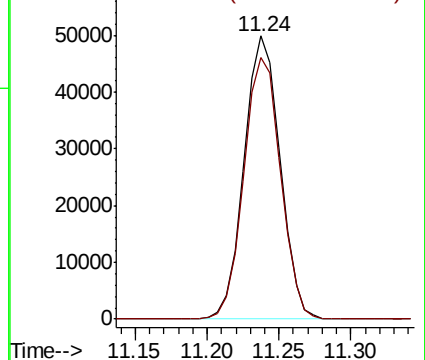
107 100

109 94.2 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.955 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

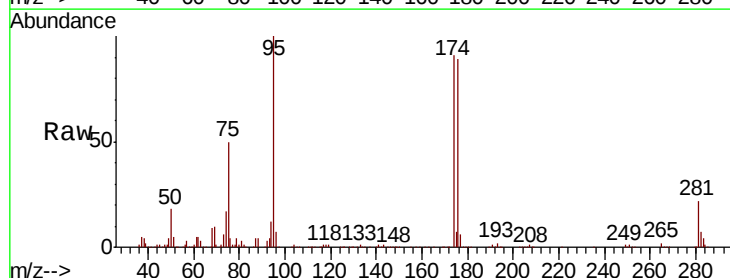
Tgt Ion: 95 Resp: 127089

Ion Ratio Lower Upper

95 100

174 94.5 0.0 186.0

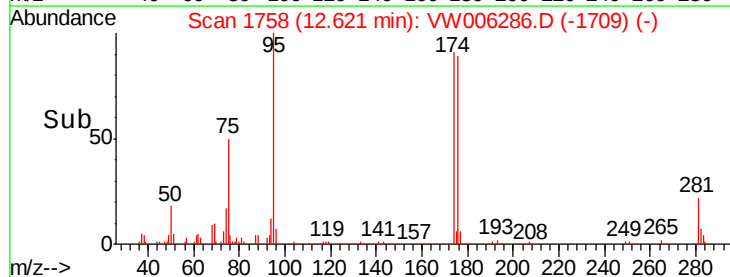
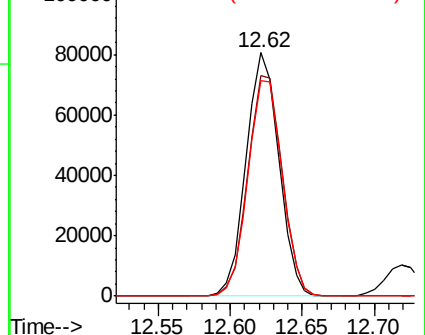
176 92.5 0.0 181.6

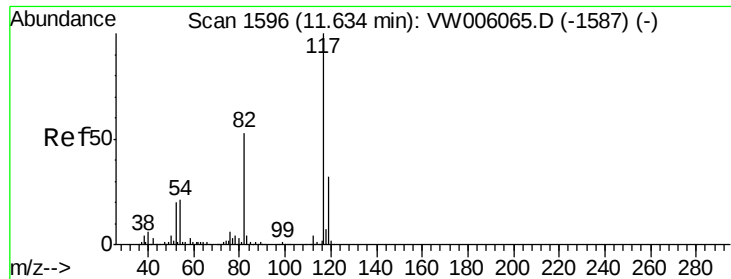


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

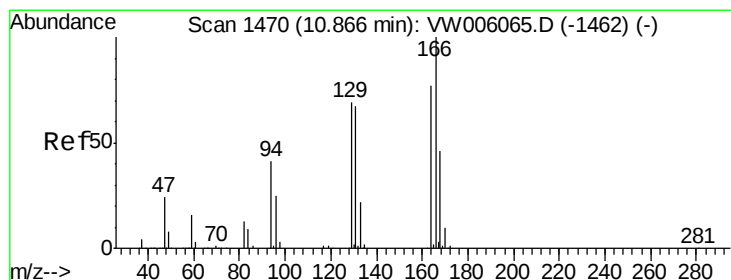
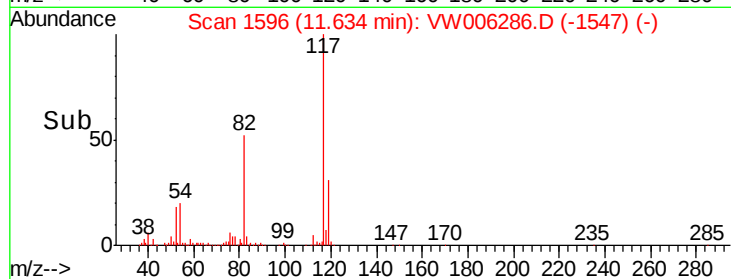
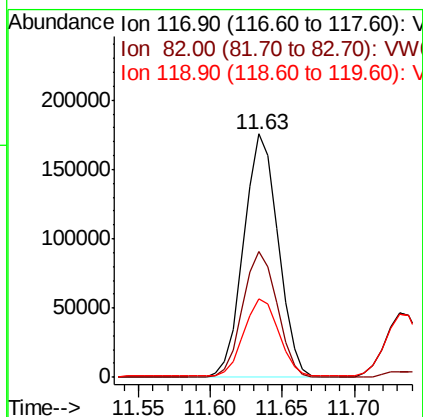
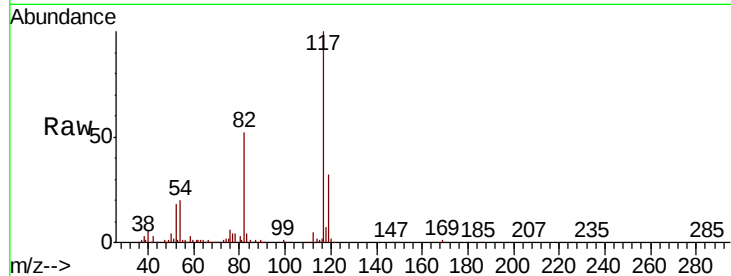




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

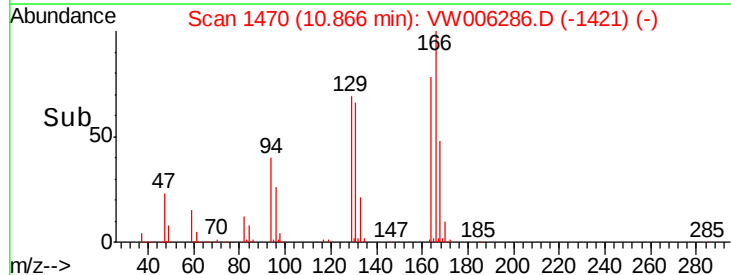
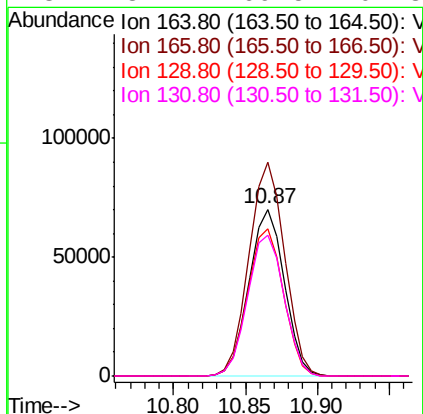
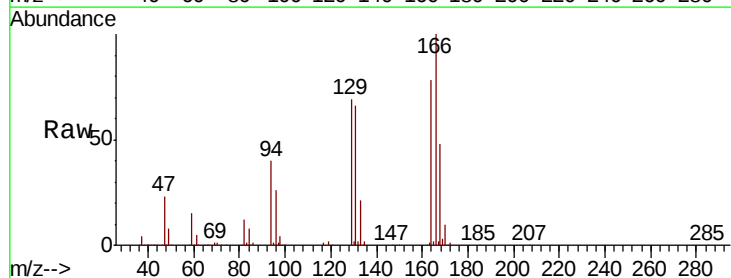
Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

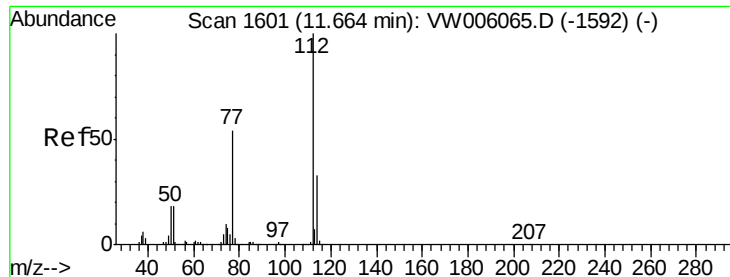
Tot Ion:117 Resp: 290060
Ion Ratio Lower Upper
117 100
82 51.7 42.1 63.1
119 31.5 25.8 38.6



#64
Tetrachloroethene
Concen: 52.941 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion:164 Resp: 119210
Ion Ratio Lower Upper
164 100
166 128.1 103.4 155.0
129 88.2 71.8 107.8
131 84.2 69.5 104.3

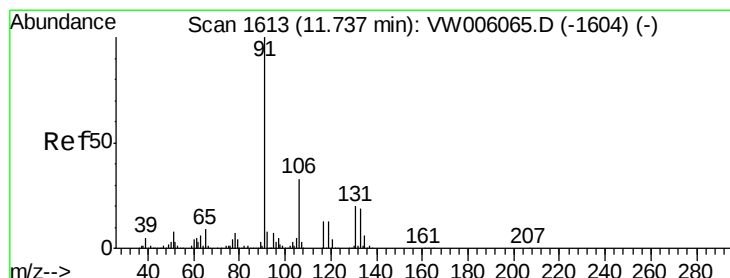
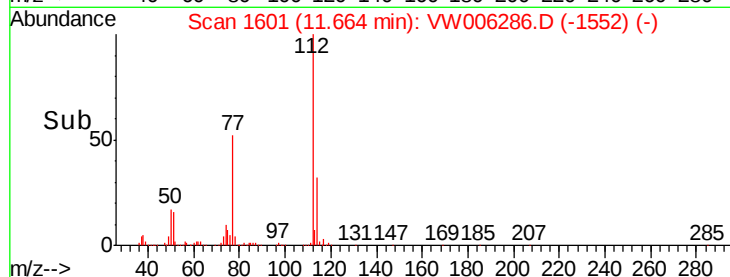
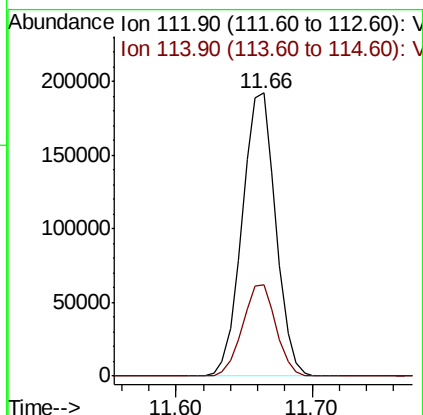
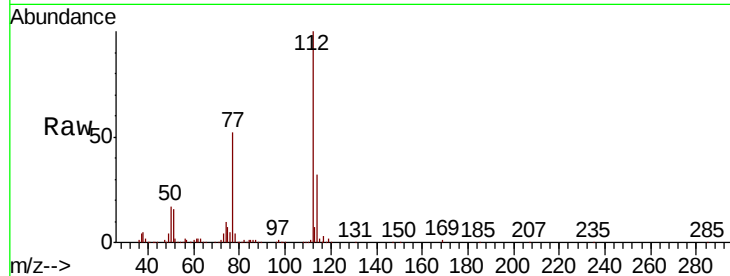




#65
Chlorobenzene
Concen: 53.365 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

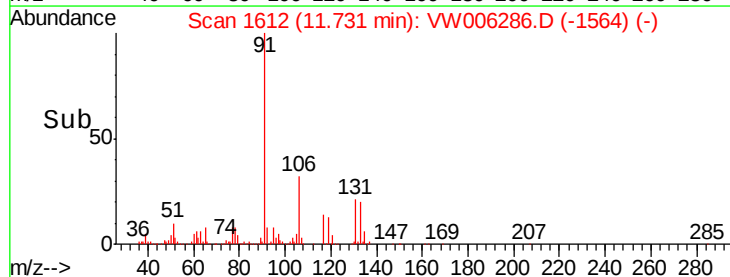
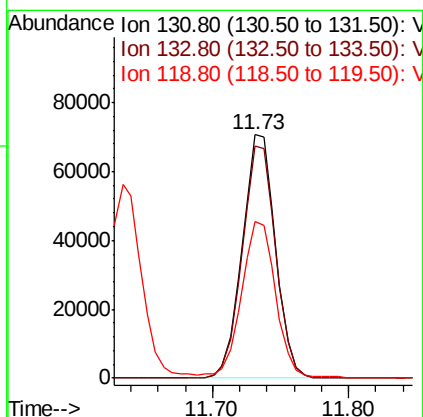
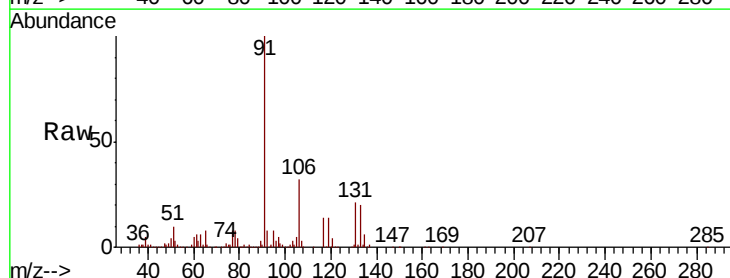
Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

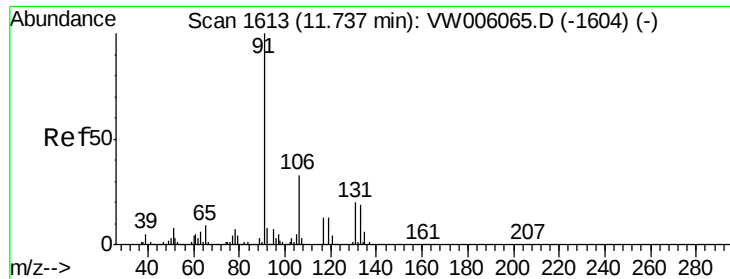
Tot Ion:112 Resp: 331365
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.512 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion:131 Resp: 120291
Ion Ratio Lower Upper
131 100
133 96.5 48.1 144.3
119 65.7 31.6 94.7

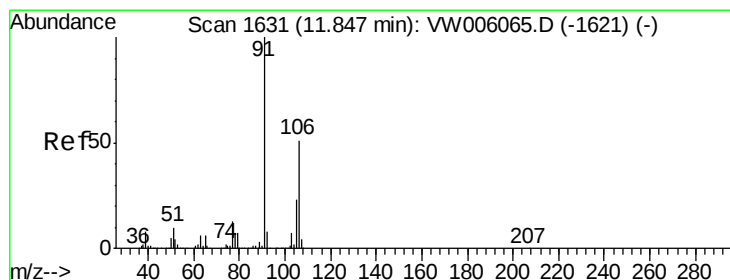
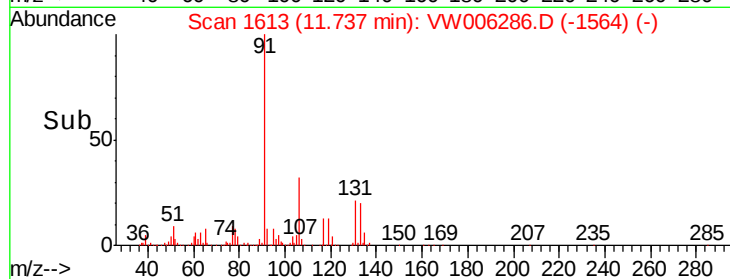
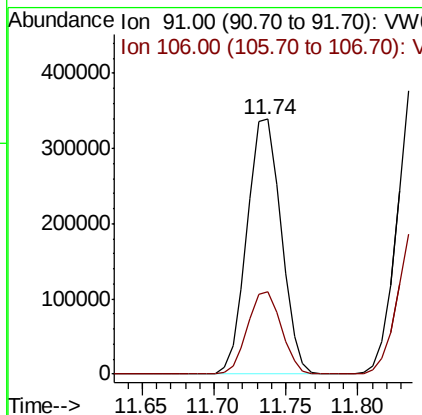
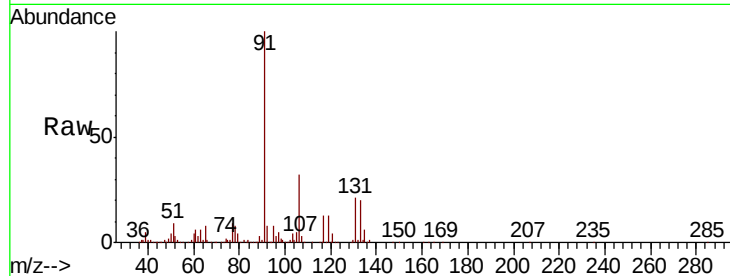




#67
Ethyl Benzene
Concen: 51.843 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

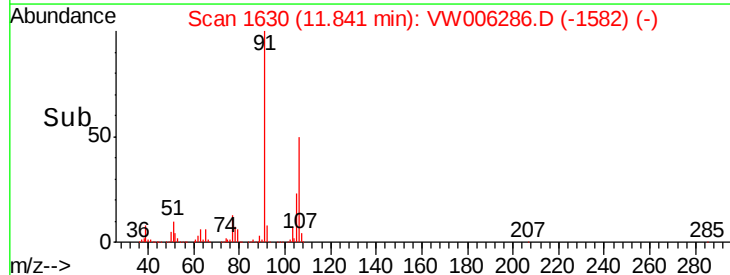
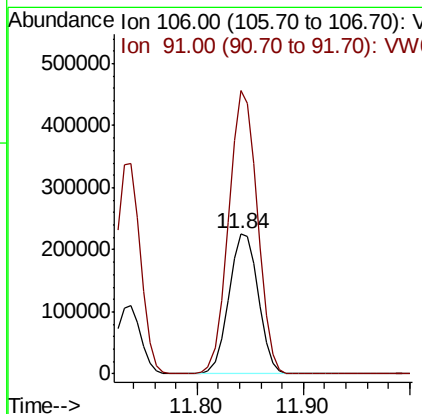
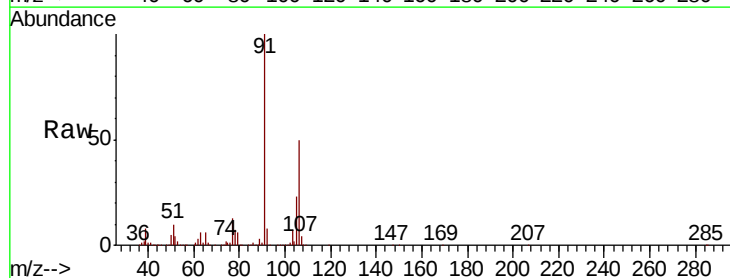
Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

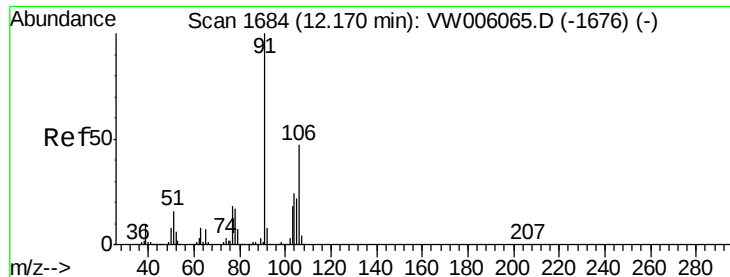
Tot Ion: 91 Resp: 557877
Ion Ratio Lower Upper
91 100
106 32.4 26.1 39.1



#68
m/p-Xylenes
Concen: 102.790 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion: 106 Resp: 437197
Ion Ratio Lower Upper
106 100
91 197.8 159.1 238.7

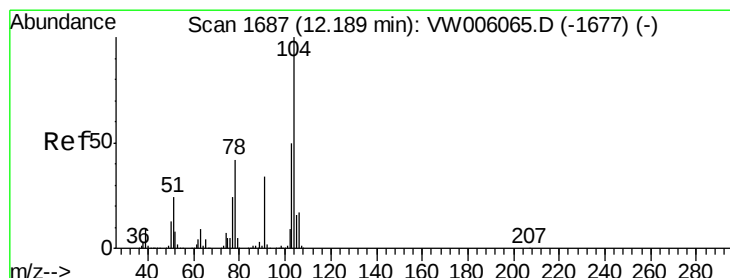
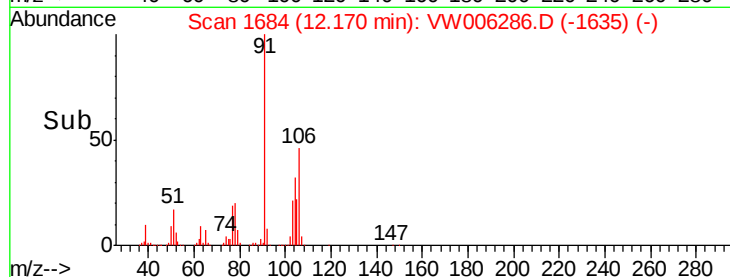
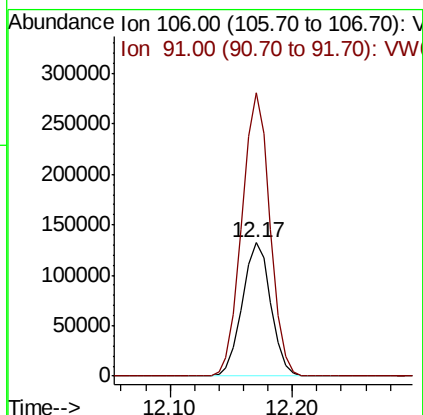
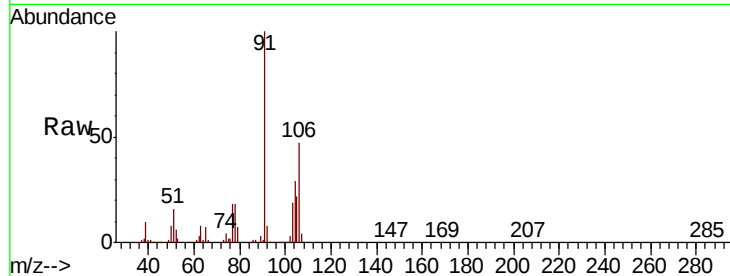




#69
o-Xylene
Concen: 52.680 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

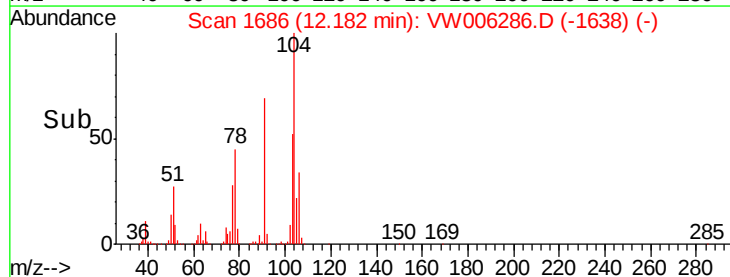
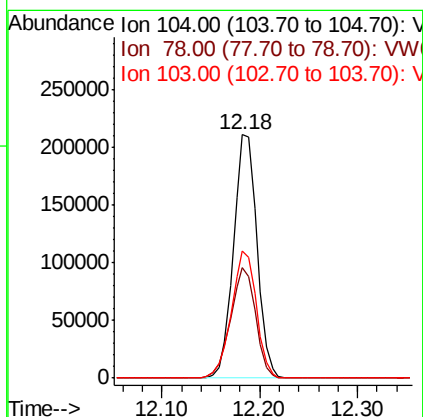
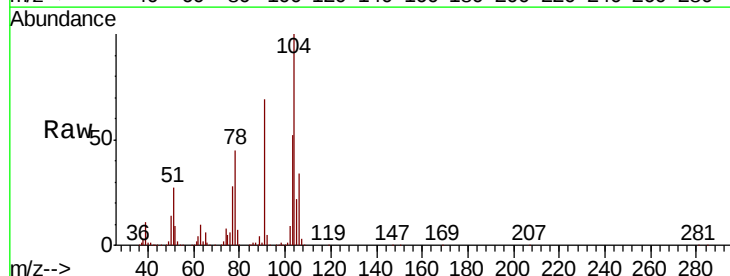
Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

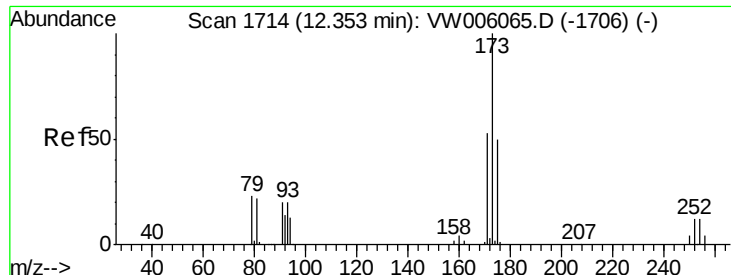
Tot Ion:106 Resp: 213541
Ion Ratio Lower Upper
106 100
91 209.1 105.4 316.1



#70
Styrene
Concen: 53.365 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion:104 Resp: 351758
Ion Ratio Lower Upper
104 100
78 48.2 39.1 58.7
103 55.4 44.3 66.5





#71

Bromoform

Concen: 52.334 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

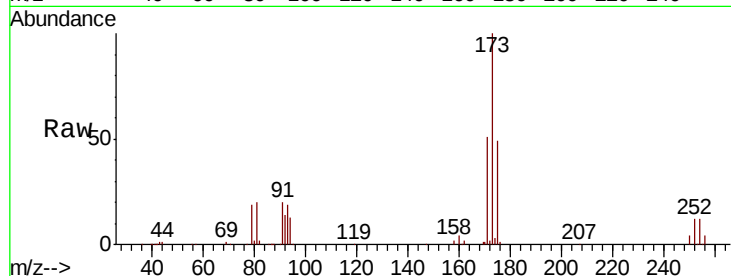
Tot Ion:173 Resp: 64413

Ion Ratio Lower Upper

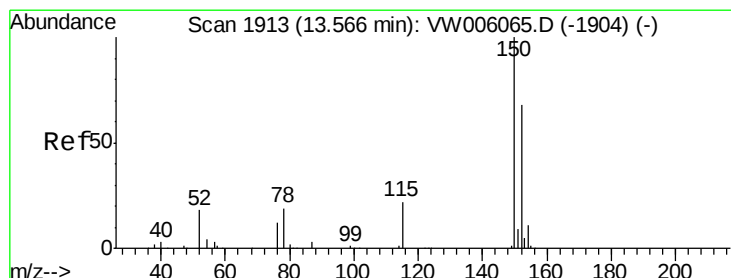
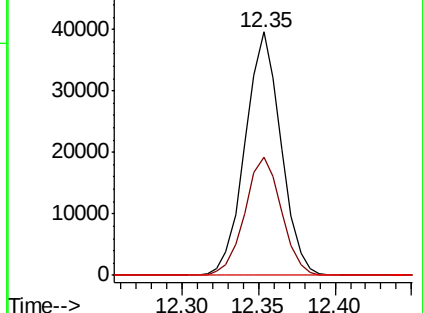
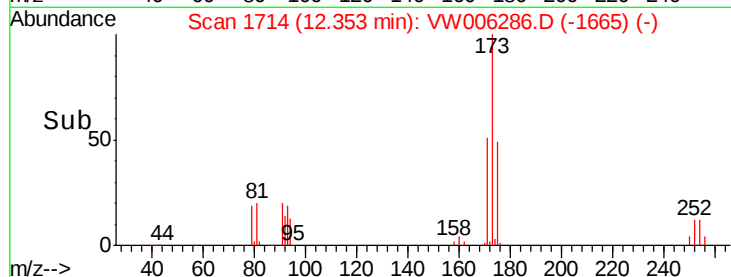
173 100

175 49.4 24.2 72.6

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

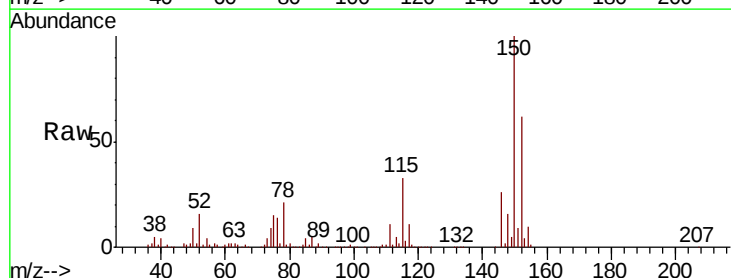
Tgt Ion:152 Resp: 159806

Ion Ratio Lower Upper

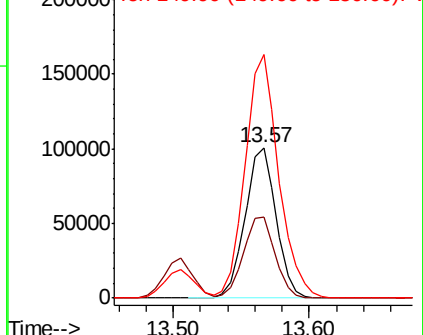
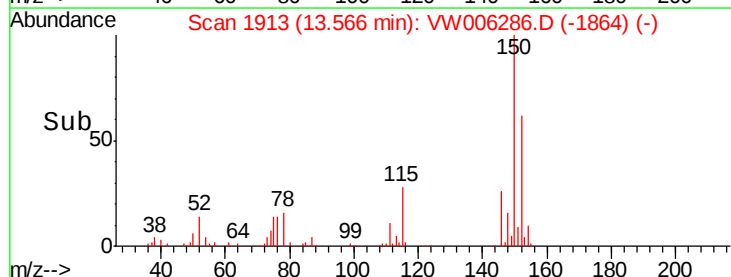
152 100

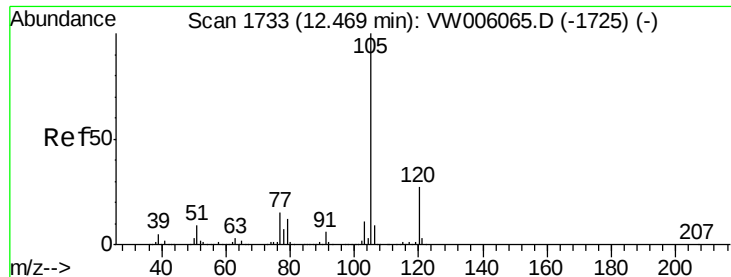
115 55.5 27.8 83.3

150 175.9 0.0 349.2



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: 49.971 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

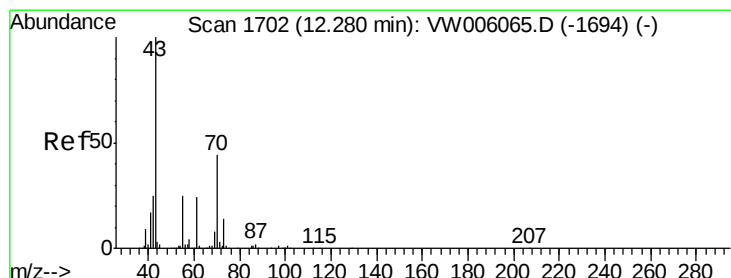
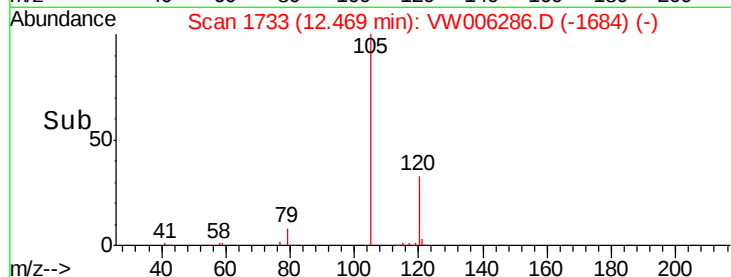
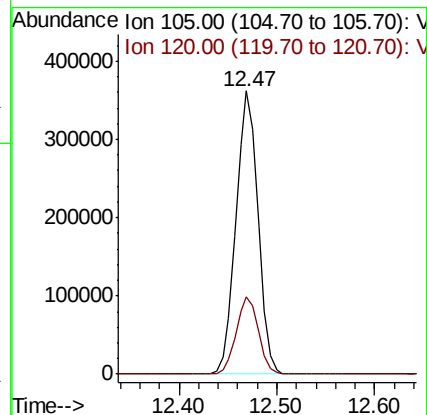
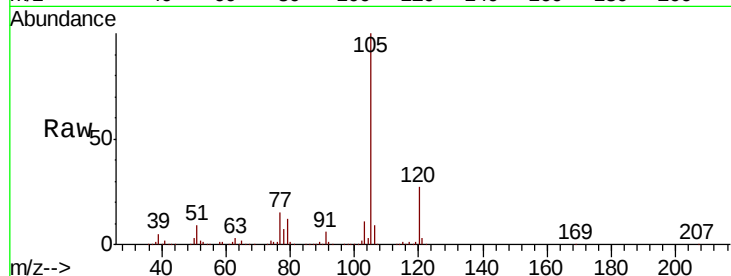
PA-SED-01MS

Tot Ion:105 Resp: 564168

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#74

N-ethyl acetate

Concen: 46.226 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Tgt Ion: 43 Resp: 101363

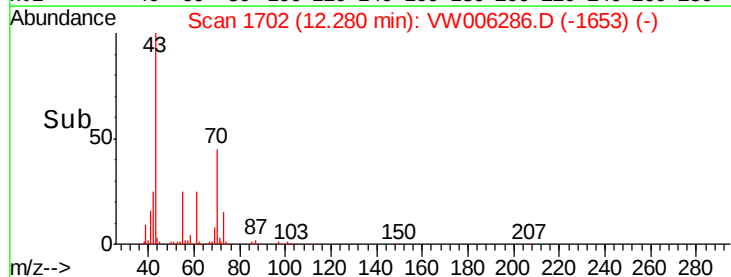
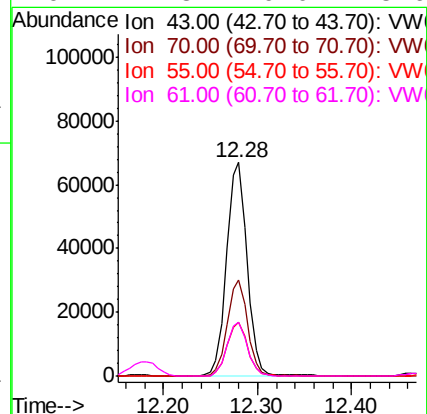
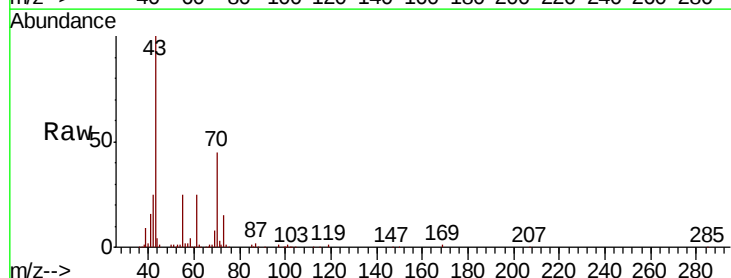
Ion Ratio Lower Upper

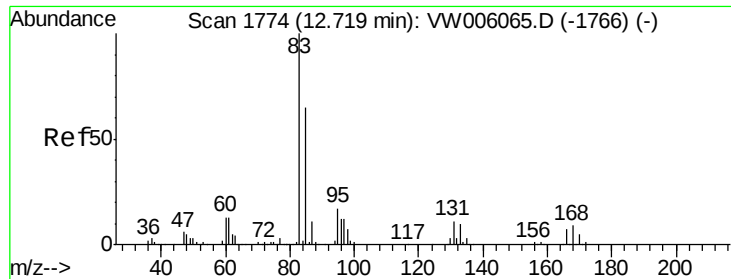
43 100

70 44.5 34.2 51.4

55 25.6 19.2 28.8

61 24.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 58.127 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

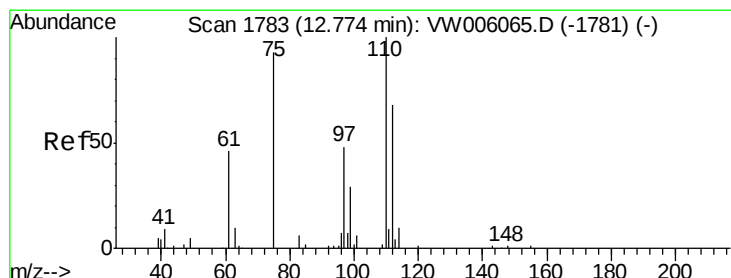
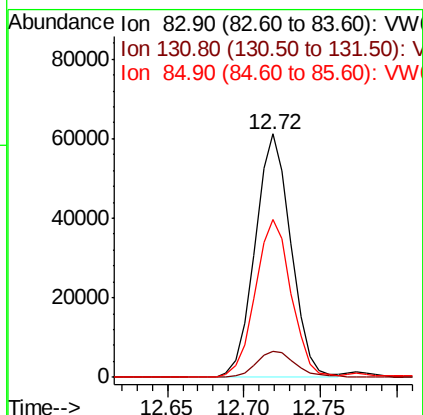
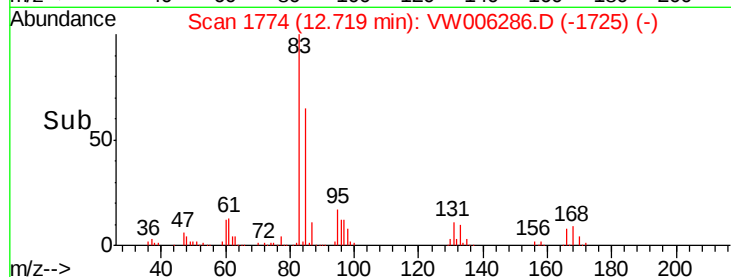
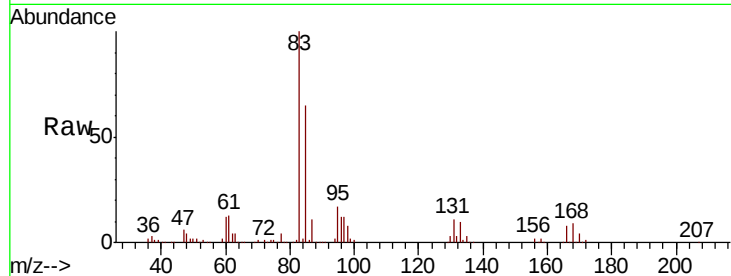
Tot Ion: 83 Resp: 99812

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.7

85 64.9 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 98.841 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006286.D

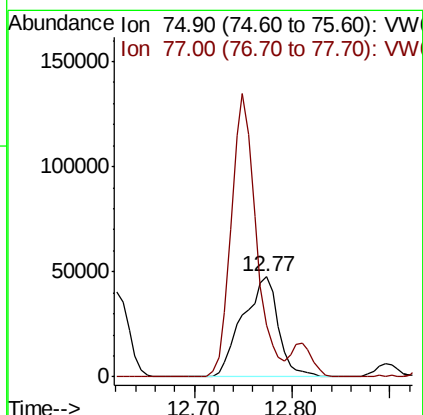
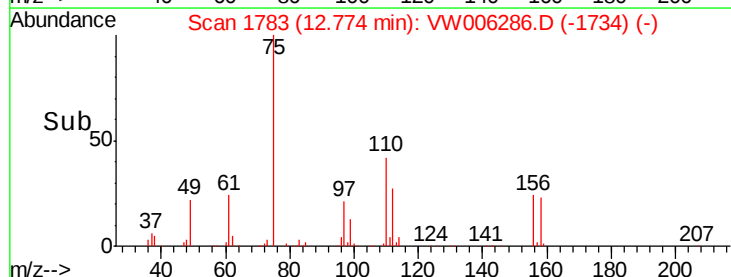
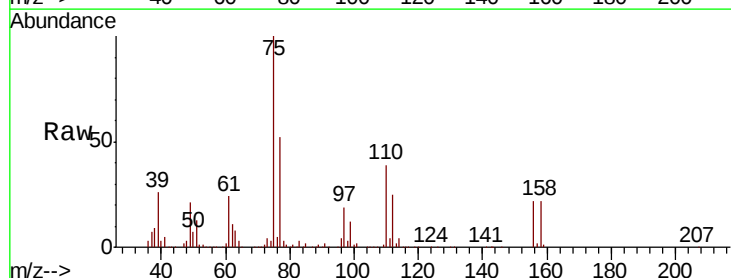
Acq: 23 Oct 2018 08:22

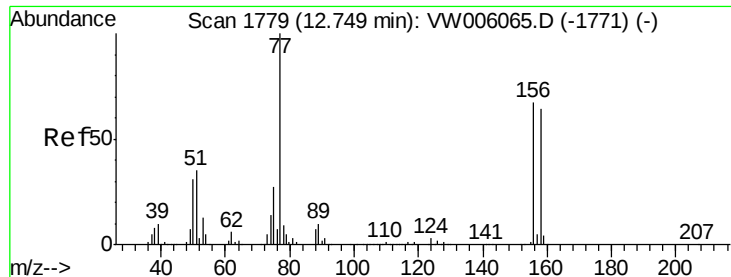
Tgt Ion: 75 Resp: 120646

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.675 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

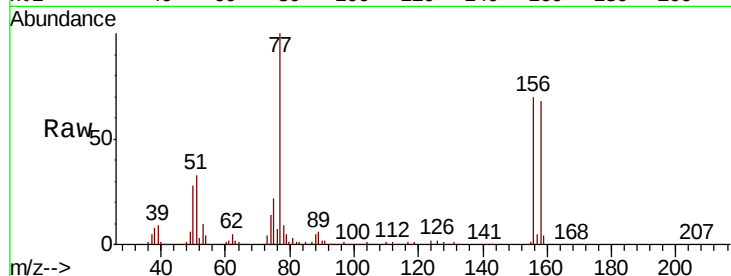
Tot Ion:156 Resp: 151190

Ion Ratio Lower Upper

156 100

77 158.3 79.1 237.4

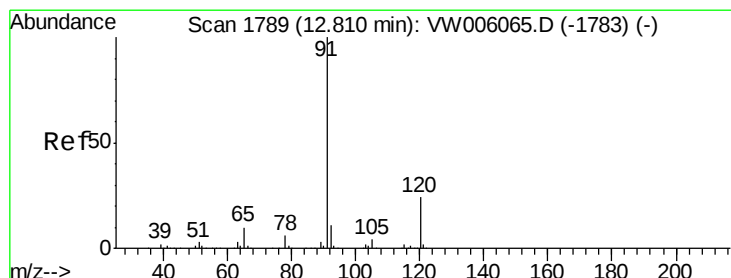
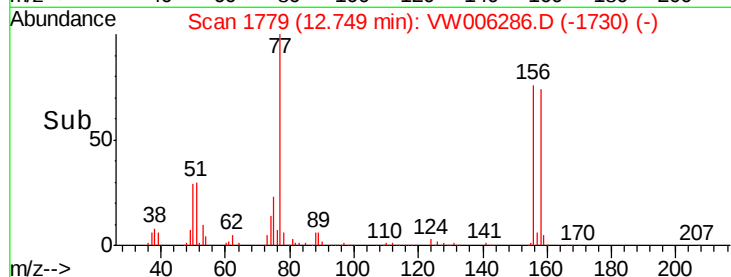
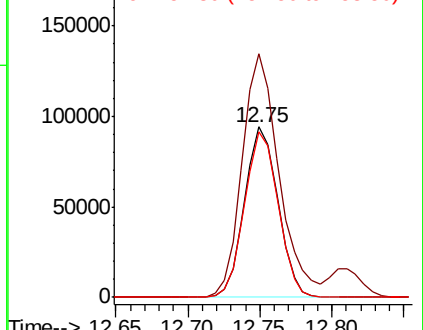
158 97.9 48.5 145.6



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: 49.143 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006286.D

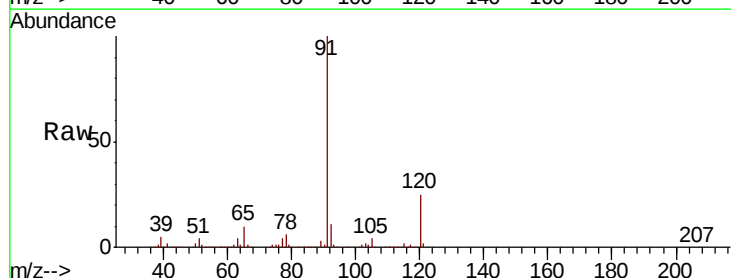
Acq: 23 Oct 2018 08:22

Tgt Ion: 91 Resp: 645477

Ion Ratio Lower Upper

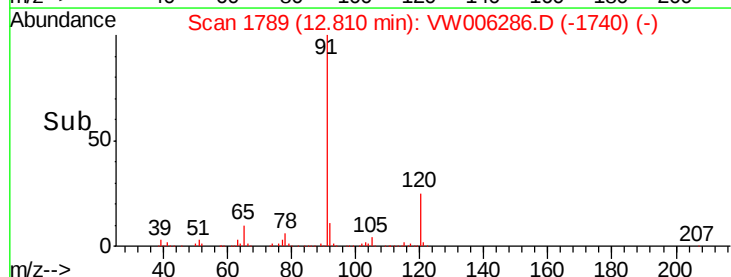
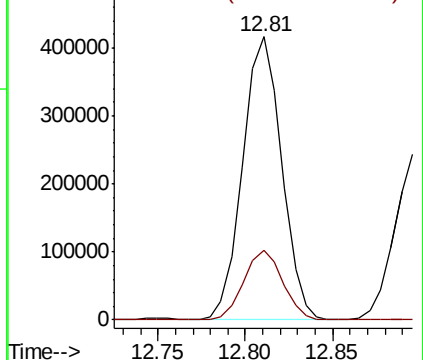
91 100

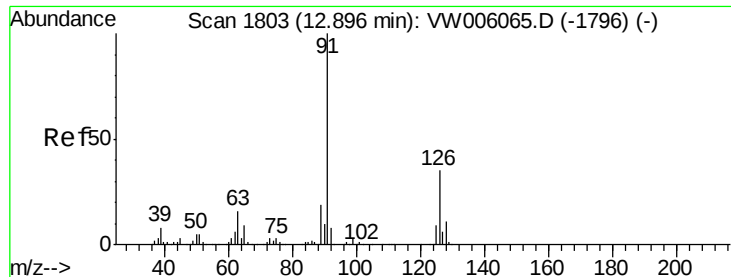
120 24.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

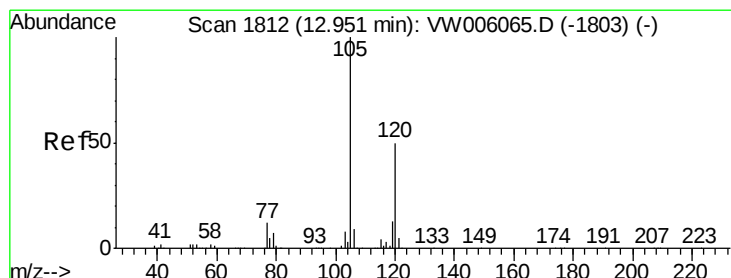
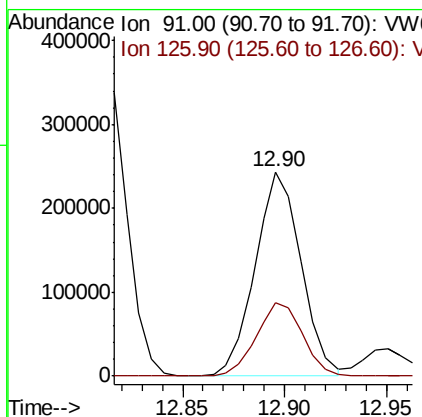
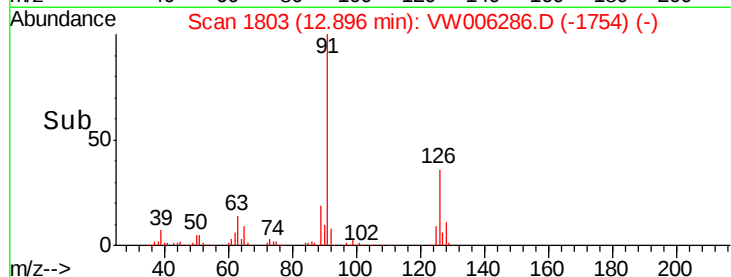
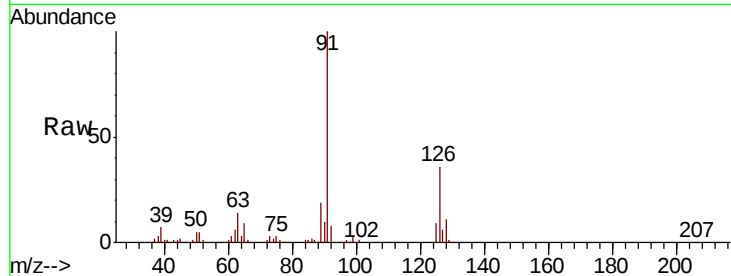




#79
 2-Chlorotoluene
 Concen: 51.560 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

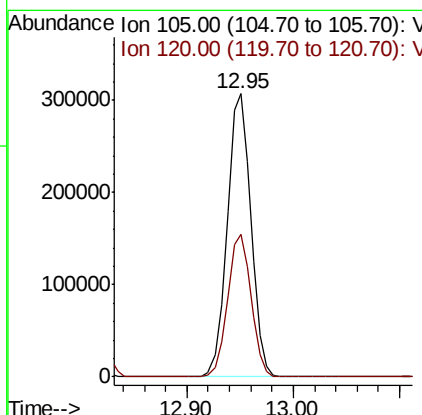
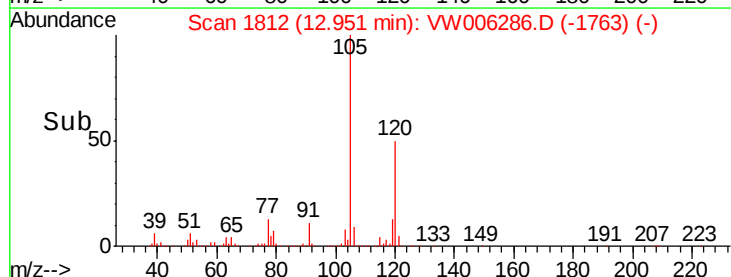
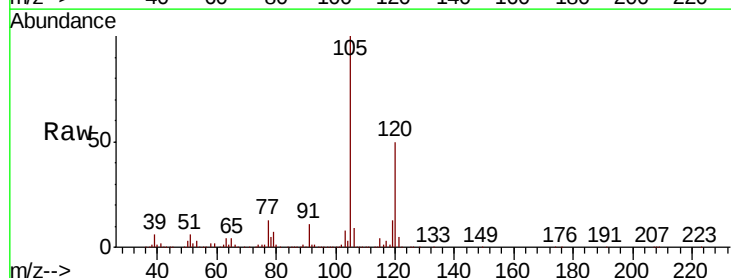
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion: 91 Resp: 380508
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.219 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion: 105 Resp: 477958
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 43.542 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

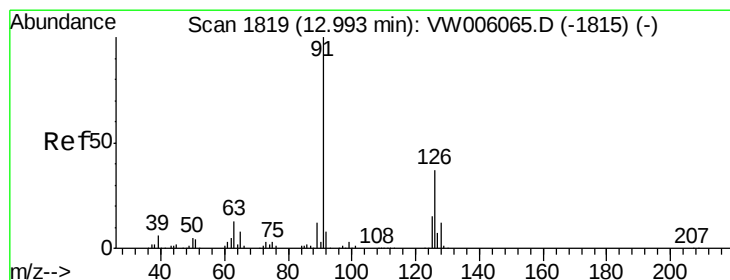
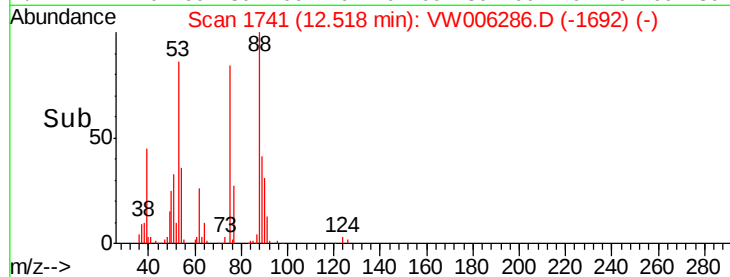
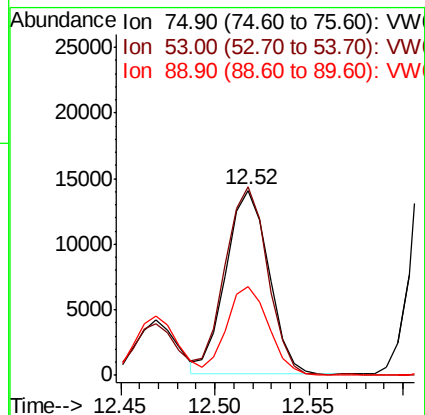
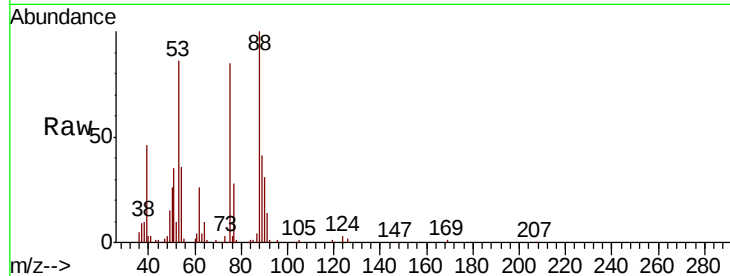
Tot Ion: 75 Resp: 22234

Ion Ratio Lower Upper

75 100

53 101.3 79.8 119.6

89 47.0 37.5 56.3



#82

4-Chlorotoluene

Concen: 52.400 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006286.D

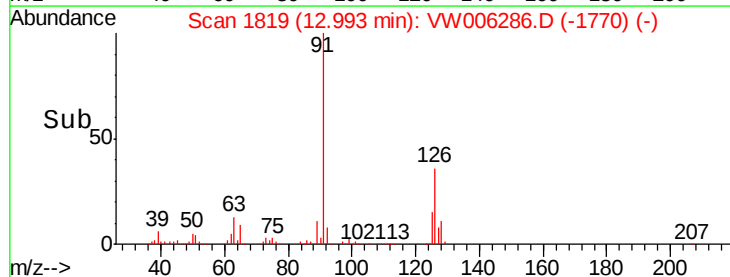
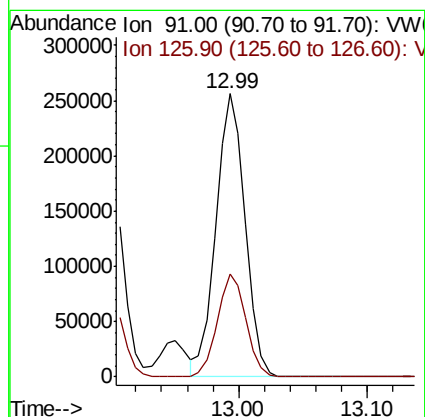
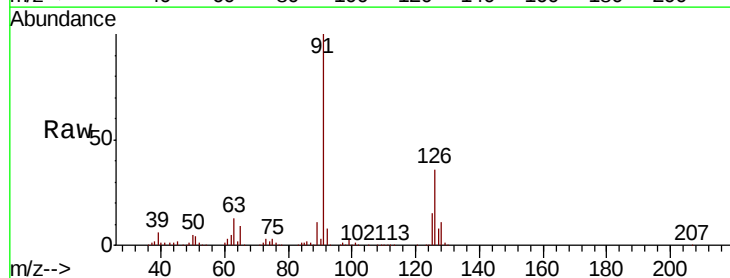
Acq: 23 Oct 2018 08:22

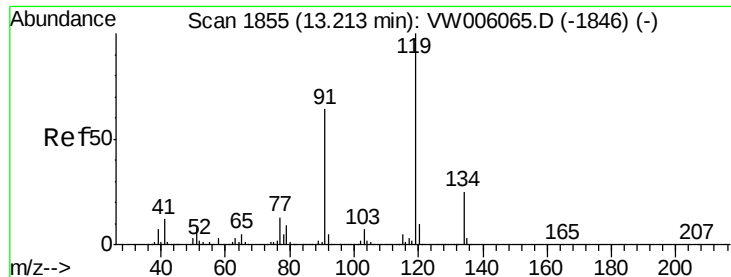
Tgt Ion: 91 Resp: 405088

Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.3

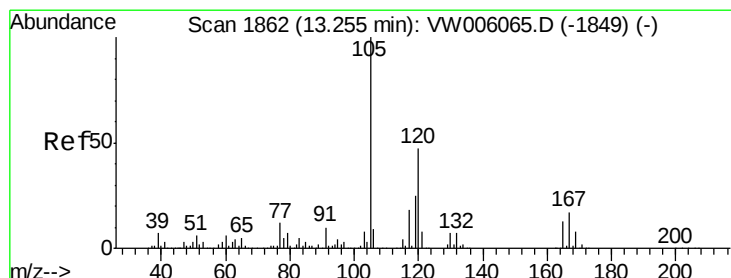
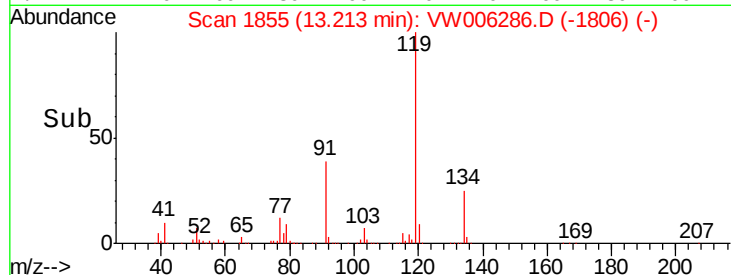
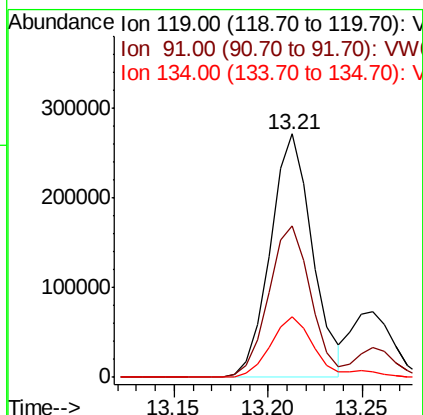
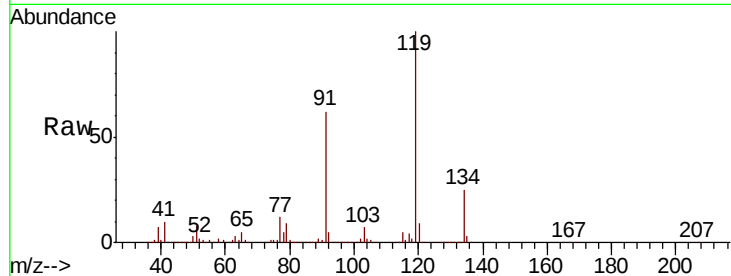




#83
tert-Butylbenzene
Concen: 49.400 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

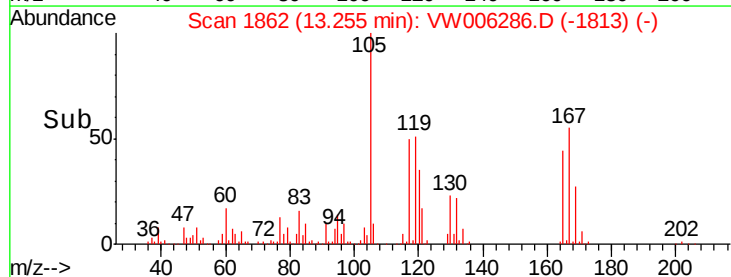
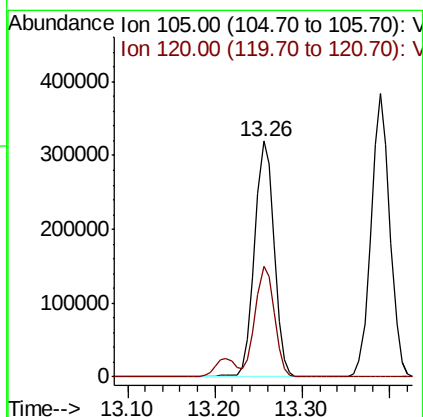
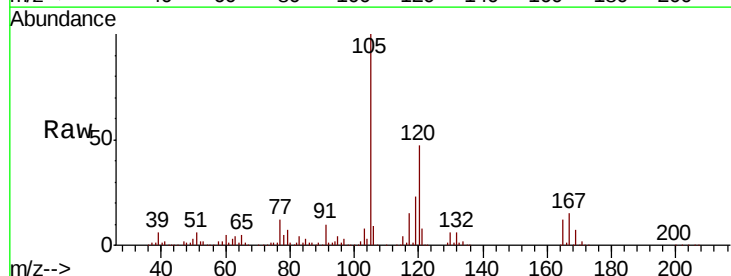
Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

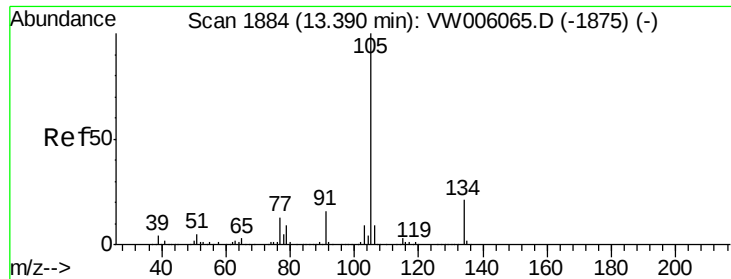
Tot Ion:119 Resp: 420655
Ion Ratio Lower Upper
119 100
91 62.2 32.3 96.9
134 25.0 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 51.261 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion:105 Resp: 493691
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.3





#85

sec-Butylbenzene

Concen: 47.715 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

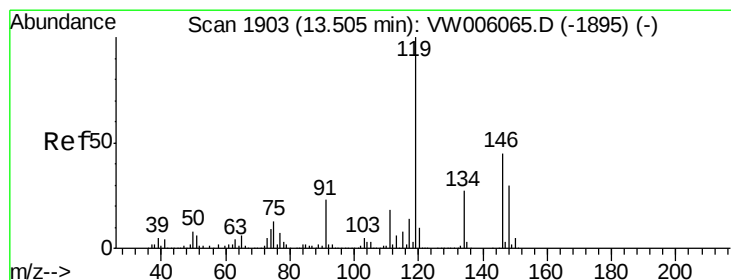
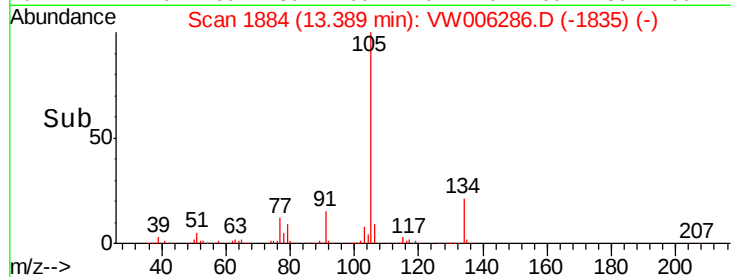
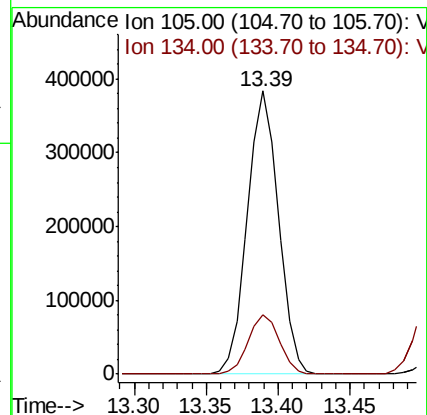
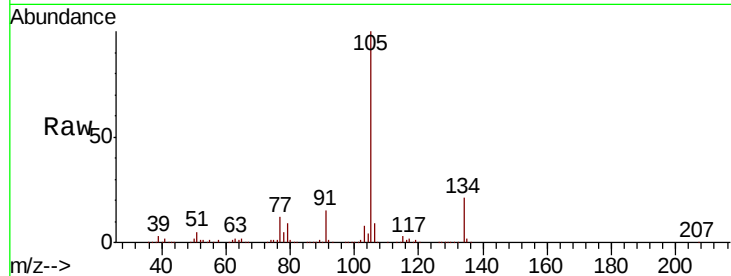
PA-SED-01MS

Tot Ion:105 Resp: 574007

Ion Ratio Lower Upper

105 100

134 21.1 10.5 31.6



#86

p-Isopropyltoluene

Concen: 47.941 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

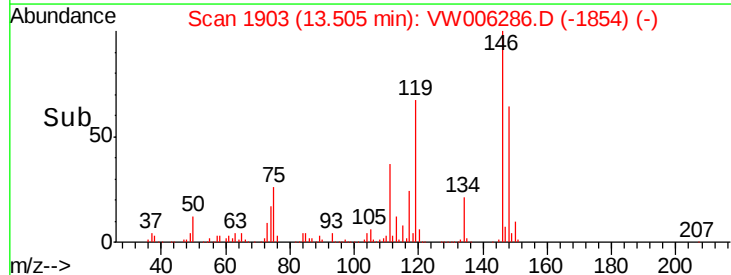
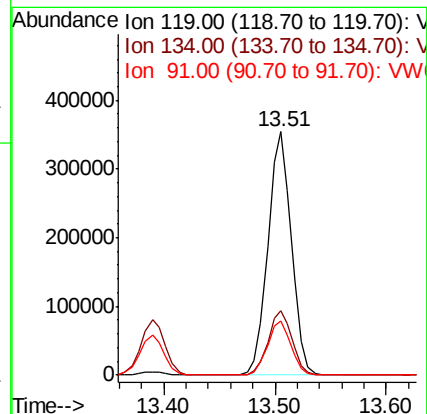
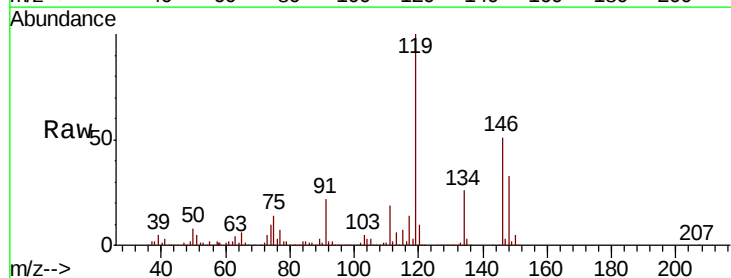
Tgt Ion:119 Resp: 521647

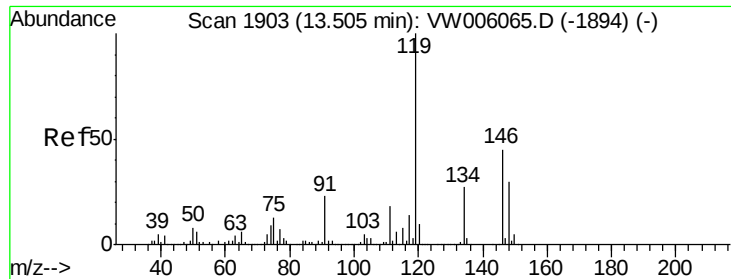
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.2 11.4 34.1

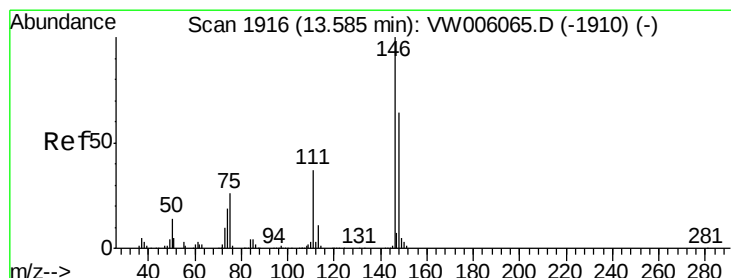
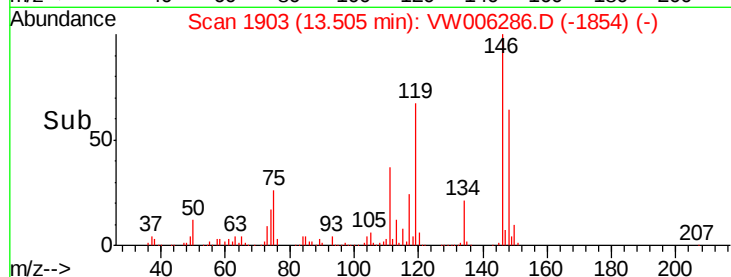
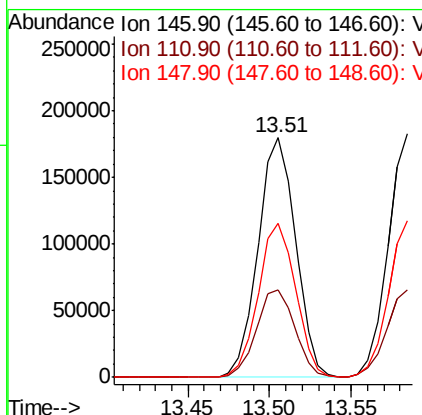
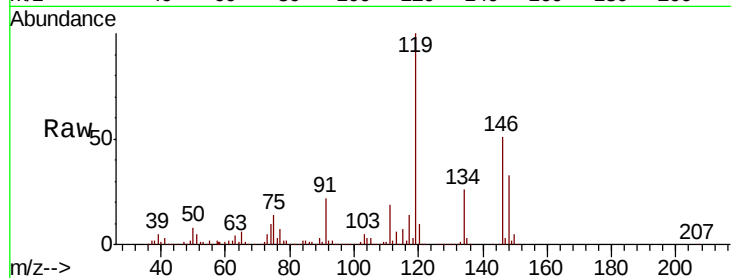




#87
 1,3-Dichlorobenzene
 Concen: 52.297 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

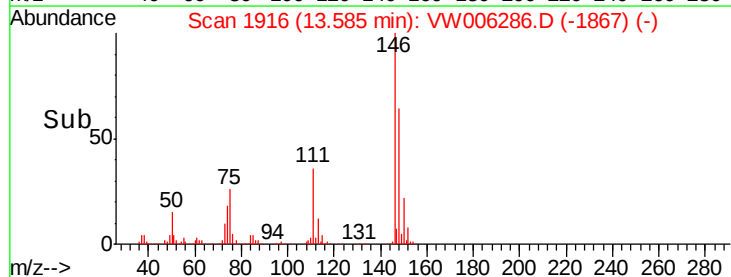
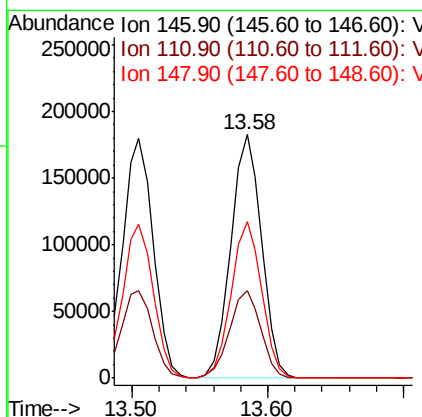
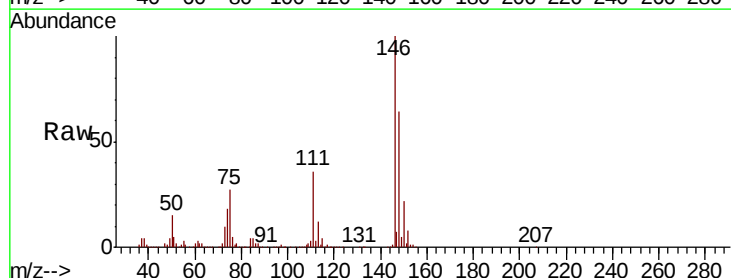
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion:146 Resp: 287804
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.5
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 52.359 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion:146 Resp: 286900
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 56.0
 148 63.8 32.1 96.5





#89

n-Butylbenzene

Concen: 45.329 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

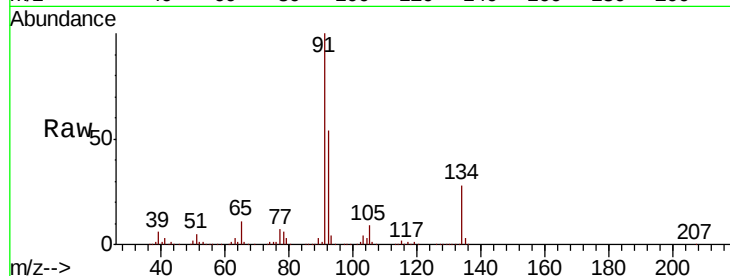
Tot Ion: 91 Resp: 451082

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.7

134 28.3 14.0 41.9

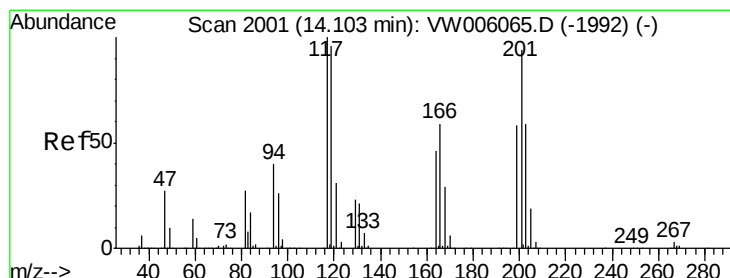
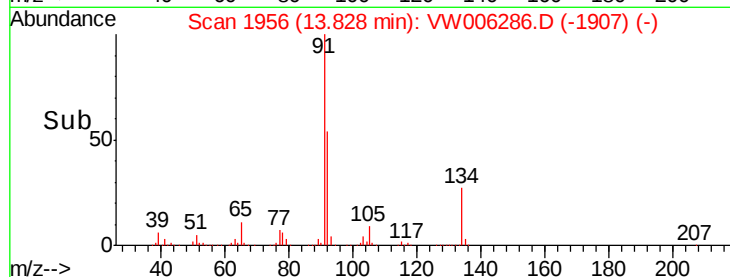
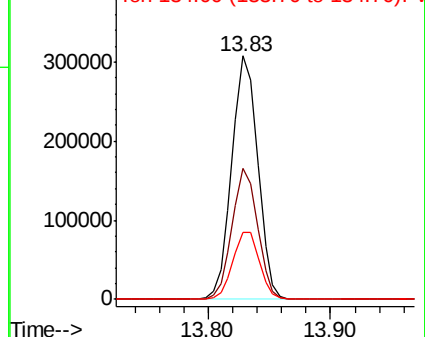


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 45.597 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006286.D

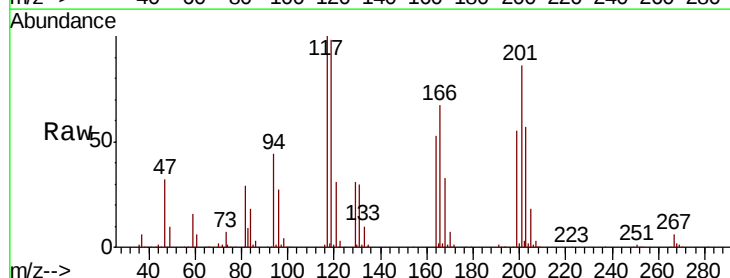
Acq: 23 Oct 2018 08:22

Tgt Ion: 117 Resp: 84039

Ion Ratio Lower Upper

117 100

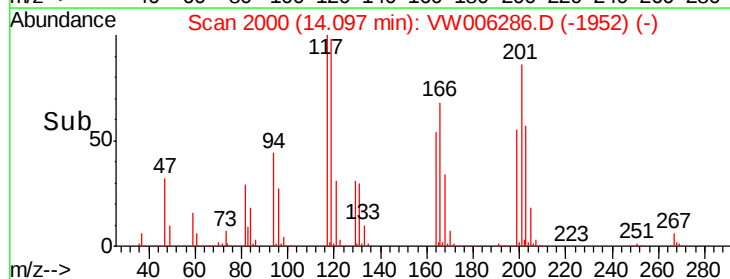
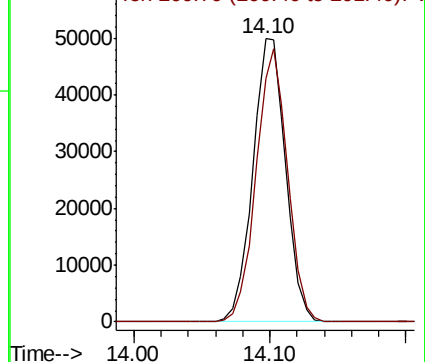
201 92.6 45.3 135.9



Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

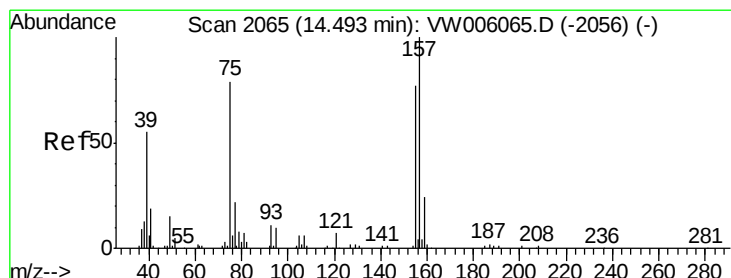
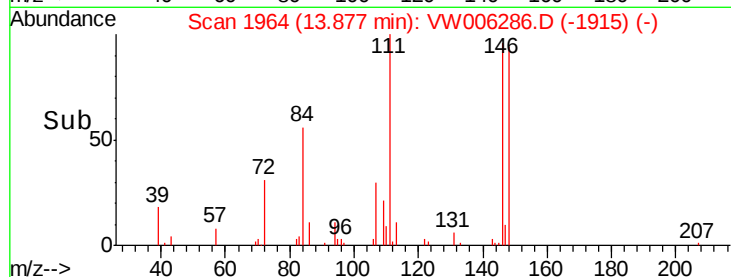
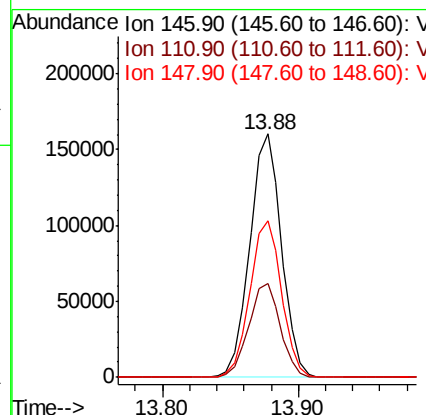
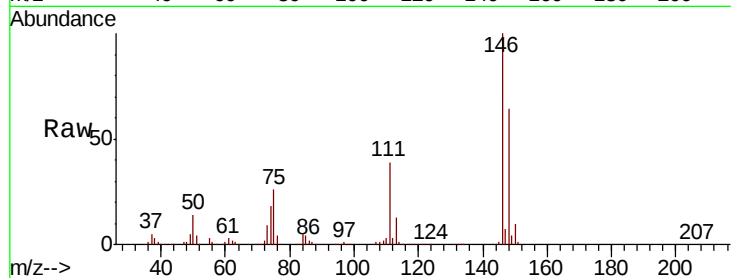




#91
 1,2-Dichlorobenzene
 Concen: 53.245 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

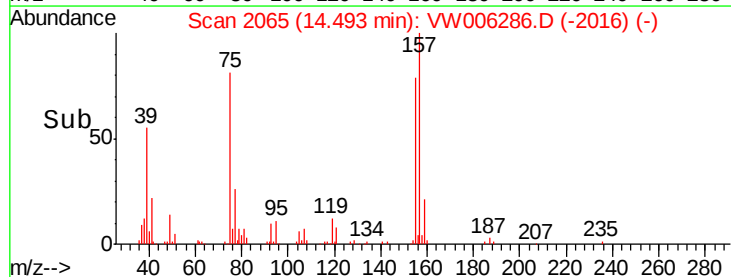
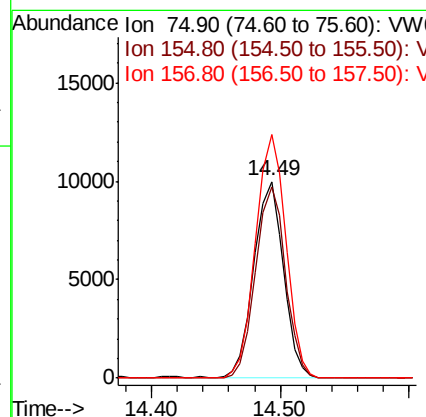
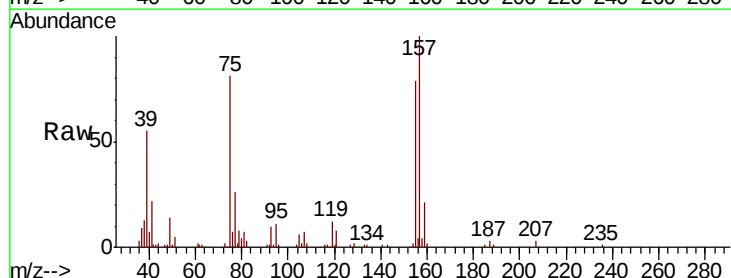
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

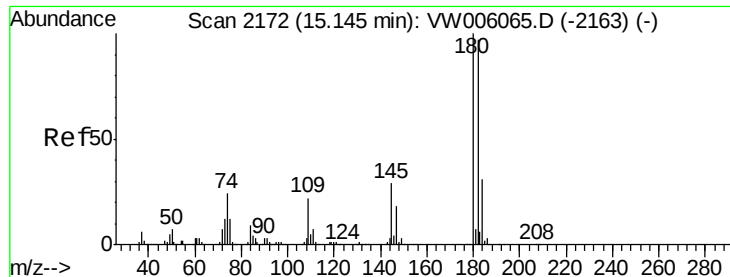
Tot Ion:146 Resp: 261373
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.6 58.7
 148 64.5 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.806 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion: 75 Resp: 15927
 Ion Ratio Lower Upper
 75 100
 155 97.1 46.5 139.5
 157 125.8 59.8 179.4

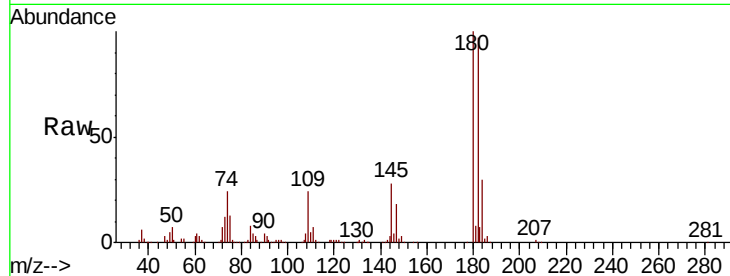




#93
 1,2,4-Trichlorobenzene
 Concen: 47.146 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.6
145	28.3	14.2	42.8

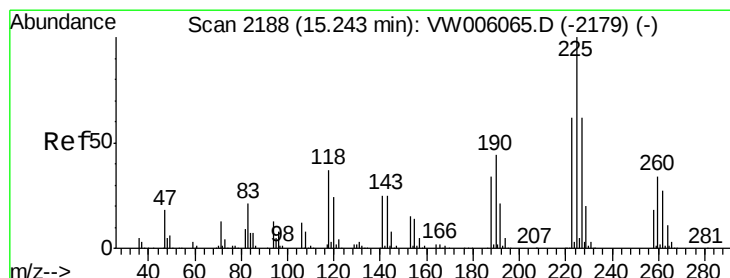
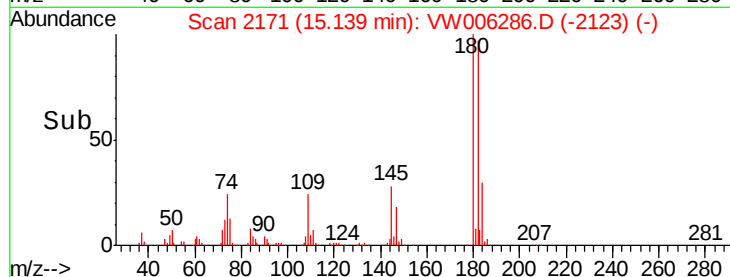
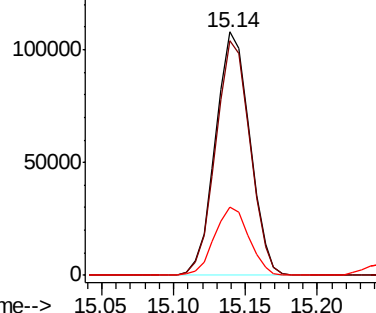


Abundance

Ion 179.80 (179.50 to 180.50): V

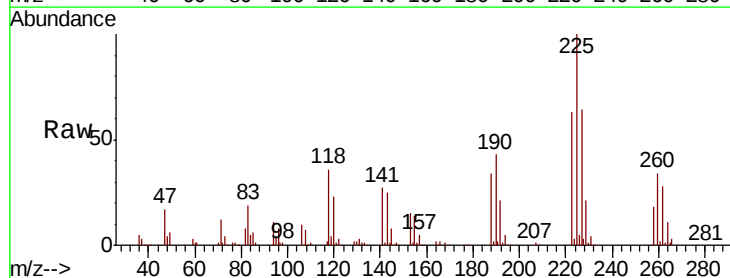
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 41.231 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.1	93.5
227	63.4	32.4	97.0

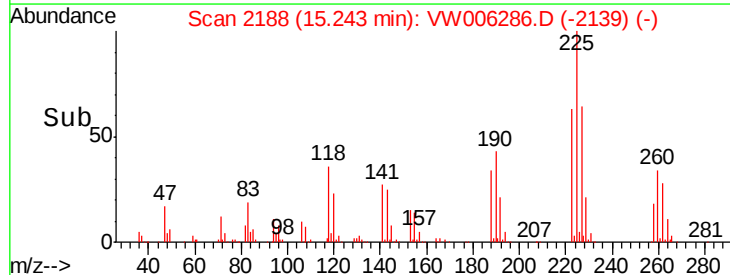
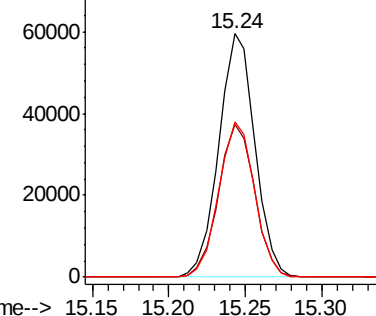


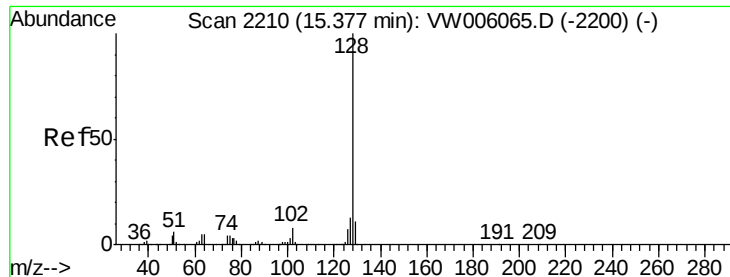
Abundance

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: 52.338 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

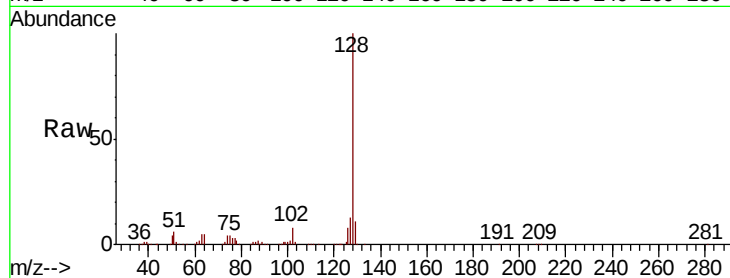
Tot Ion:128 Resp: 328853

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.9 8.7 13.1

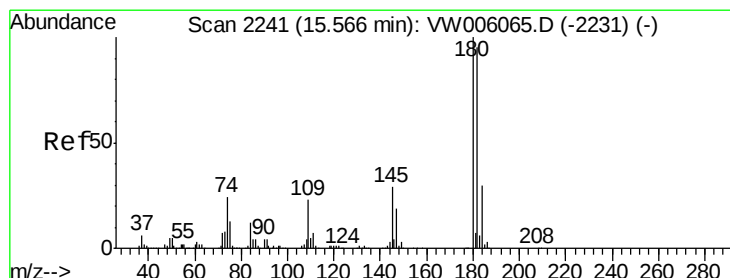
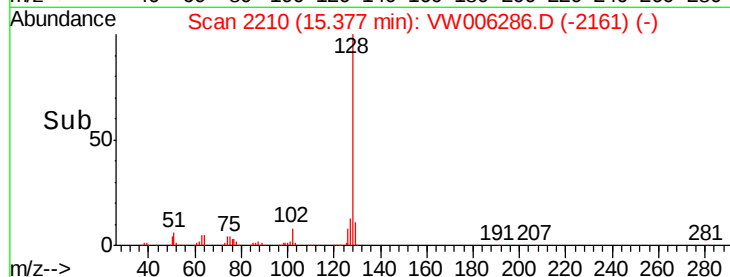
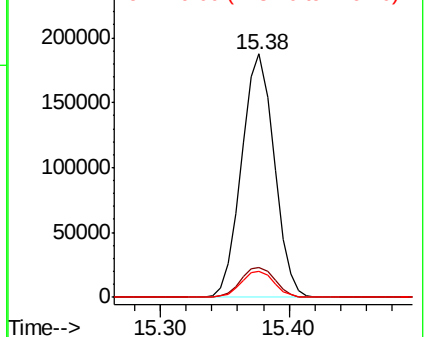


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.539 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

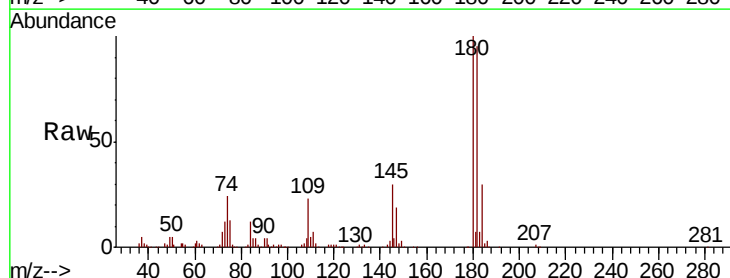
Tgt Ion:180 Resp: 158578

Ion Ratio Lower Upper

180 100

182 95.8 47.8 143.3

145 29.9 15.0 45.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

