

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004313.D
 Acq On : 29 Jul 2018 14:21
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 01:31:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 01:27:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	290137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	438339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	394211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	200964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	434204	148.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.72%	
35) Dibromofluoromethane	7.88	113	409111	147.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.38%	
50) Toluene-d8	10.33	98	1647508	150.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.98%	
62) 4-Bromofluorobenzene	12.62	95	576989	149.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	169563	164.895	ug/l	99
3) Chloromethane	2.21	50	219342	134.776	ug/l	97
4) Vinyl Chloride	2.36	62	326607	116.622	ug/l	99
5) Bromomethane	2.76	94	229612	124.114	ug/l	98
6) Chloroethane	2.92	64	238606	135.715	ug/l	94
7) Trichlorofluoromethane	3.25	101	160140	95.574	ug/l	100
8) Diethyl Ether	3.67	74	165266	112.552	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	400223	137.736	ug/l	99
10) Methyl Iodide	4.26	142	637258	146.599	ug/l	99
11) Tert butyl alcohol	5.18	59	139987	651.962	ug/l	100
12) 1,1-Dichloroethene	4.03	96	413847	142.535	ug/l	98
13) Acrolein	3.89	56	133184	699.805	ug/l	96
14) Allyl chloride	4.66	41	710234	152.141	ug/l	99
15) Acrylonitrile	5.37	53	482601	731.916	ug/l	99
16) Acetone	4.12	43	448369	668.547	ug/l	100
17) Carbon Disulfide	4.37	76	1318078	146.823	ug/l	100
18) Methyl Acetate	4.67	43	244916	141.945	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	767190	148.391	ug/l	99
20) Methylene Chloride	4.91	84	407775	130.643	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	439589	141.956	ug/l	95
22) Diisopropyl ether	6.31	45	1328121	151.175	ug/l	98
23) Vinyl Acetate	6.26	43	4019741	788.661	ug/l	99
24) 1,1-Dichloroethane	6.21	63	789224	139.491	ug/l	99
25) 2-Butanone	7.17	43	629185	774.065	ug/l	98
26) 2,2-Dichloropropane	7.17	77	442706	134.869	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	475790	150.981	ug/l	98
28) Bromochloromethane	7.51	49	283614	143.028	ug/l	99
29) Tetrahydrofuran	7.53	42	414556	797.021	ug/l	99
30) Chloroform	7.68	83	773290	143.089	ug/l	99
31) Cyclohexane	7.95	56	740243	148.161	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	625926	141.023	ug/l	99
36) 1,1-Dichloropropene	8.08	75	642086	146.424	ug/l	99
37) Ethyl Acetate	7.26	43	273411	152.153	ug/l	99
38) Carbon Tetrachloride	8.07	117	617018	142.499	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	811589	153.591	ug/l	96
40) Benzene	8.32	78	1811575	146.853	ug/l	99
41) Methacrylonitrile	7.49	41	179335	172.843	ug/l	99
42) 1,2-Dichloroethane	8.40	62	505994	143.473	ug/l	100
43) Isopropyl Acetate	8.43	43	539817	166.682	ug/l	99
44) Trichloroethene	9.09	130	473363	142.134	ug/l	100
45) 1,2-Dichloropropane	9.37	63	456490	149.124	ug/l	99
46) Dibromomethane	9.46	93	227017	145.235	ug/l	99
47) Bromodichloromethane	9.65	83	579068	146.056	ug/l	99
48) Methyl methacrylate	9.44	41	270295	163.874	ug/l	97
49) 1,4-Dioxane	9.45	88	68916	2908.341	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	1408642	792.519	ug/l	99
52) Toluene	10.39	92	1129869	145.881	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	614031	154.633	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	709550	153.274	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	321088	144.172	ug/l	96
56) Ethyl methacrylate	10.65	69	437286	162.253	ug/l	98
57) 1,3-Dichloropropane	10.94	76	556651	146.705	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	991650	828.303	ug/l	99
59) 2-Hexanone	10.98	43	955630	783.017	ug/l	98
60) Dibromochloromethane	11.13	129	387341	145.353	ug/l	98
61) 1,2-Dibromoethane	11.24	107	304845	143.540	ug/l	97
64) Tetrachloroethene	10.87	164	393119	136.115	ug/l	95
65) Chlorobenzene	11.66	112	1192503	144.034	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	422676	144.747	ug/l	99
67) Ethyl Benzene	11.74	91	2154793	149.306	ug/l	99
68) m/p-Xylenes	11.85	106	1647364	296.634	ug/l	99
69) o-Xylene	12.17	106	783174	152.627	ug/l	96
70) Styrene	12.19	104	1315136	151.704	ug/l	98
71) Bromoform	12.35	173	239154	146.135	ug/l #	99
73) Isopropylbenzene	12.47	105	2155342	154.674	ug/l	100
74) N-amyl acetate	12.28	43	501158	165.973	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	366886	150.302	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	507177	165.593	ug/l #	100
77) Bromobenzene	12.76	156	497855	147.867	ug/l	98
78) n-propylbenzene	12.81	91	2577636	151.843	ug/l	100
79) 2-Chlorotoluene	12.90	91	1444576	148.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1809913	150.771	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	124644	158.132	ug/l	98
82) 4-Chlorotoluene	12.99	91	1501022	146.095	ug/l	99
83) tert-Butylbenzene	13.21	119	1484606	148.450	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	1855792	151.580	ug/l	98
85) sec-Butylbenzene	13.39	105	2218082	151.839	ug/l	98
86) p-Isopropyltoluene	13.51	119	1913394	145.838	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	945319	140.271	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	939190	139.684	ug/l	99
89) n-Butylbenzene	13.83	91	1842378	150.381	ug/l	99
90) Hexachloroethane	14.10	117	345561	147.674	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	843792	139.879	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	62760	147.288	ug/l	96

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ClientSampleId :

Quant Time: Jul 30 01:31:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 30 01:27:22 2018
Response via : Initial Calibration

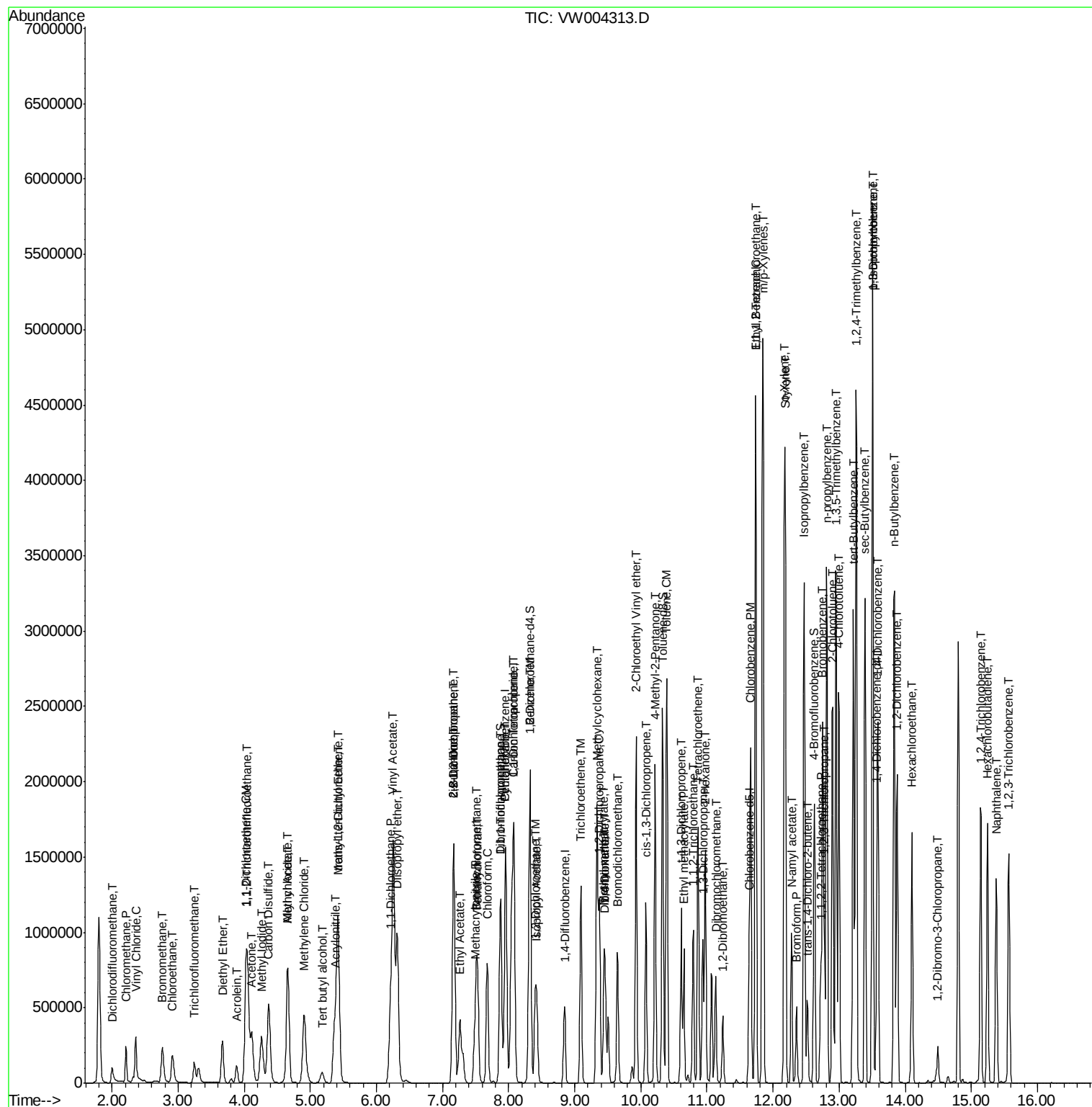
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	617320	145.746	ug/l	100
94) Hexachlorobutadiene	15.25	225	350777	135.552	ug/l	99
95) Naphthalene	15.38	128	1143859	156.971	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	527611	142.354	ug/l	99

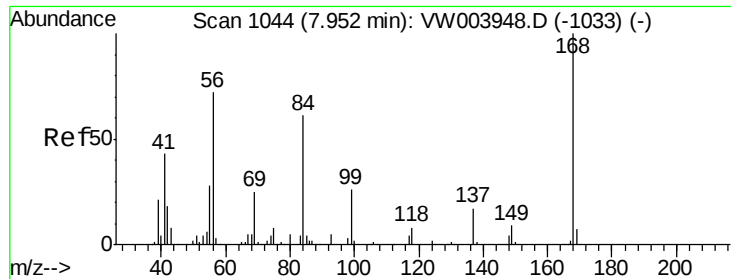
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

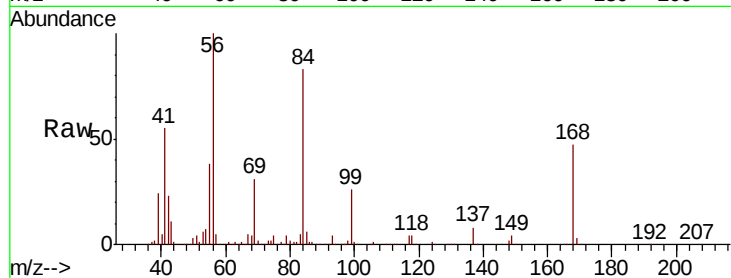
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 290137

Ion Ratio Lower Upper

168 100

99 55.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

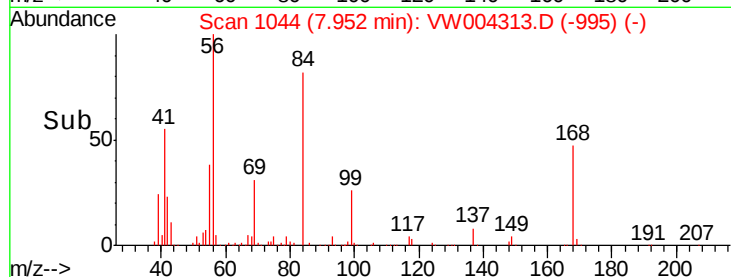
150000

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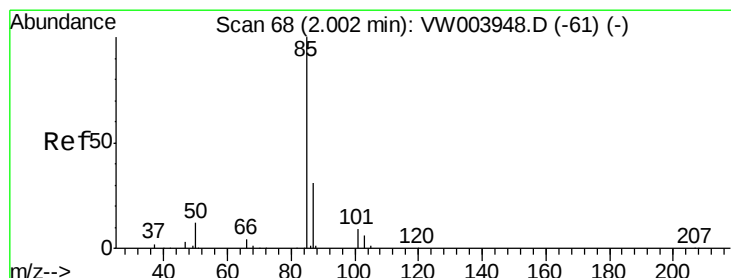
50000

0

7.80 7.90 8.00



Time-->



#2

Dichlorodifluoromethane

Concen: 164.895 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004313.D

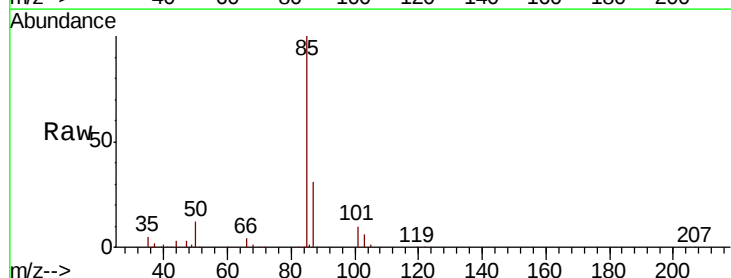
Acq: 29 Jul 2018 14:21

Tgt Ion: 85 Resp: 169563

Ion Ratio Lower Upper

85 100

87 31.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

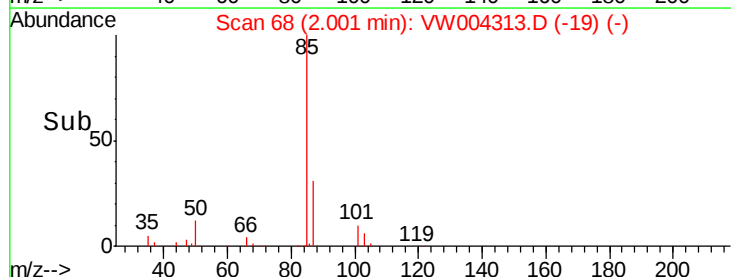
60000

40000

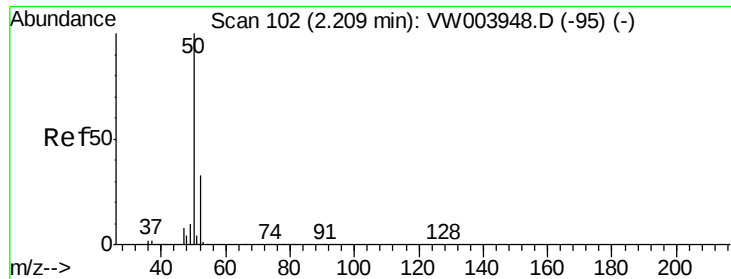
20000

0

1.90 2.00 2.10 2.20



Time-->



#3

Chloromethane

Concen: 134.776 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

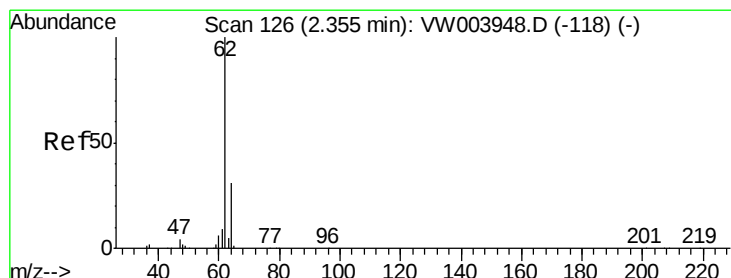
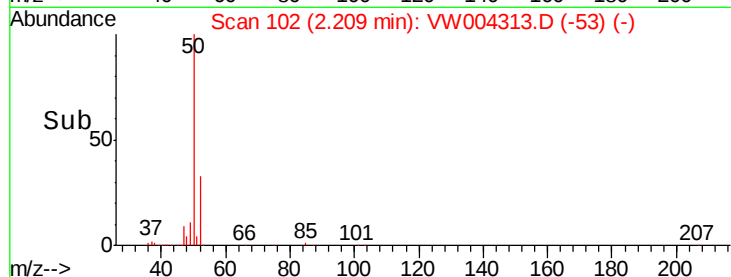
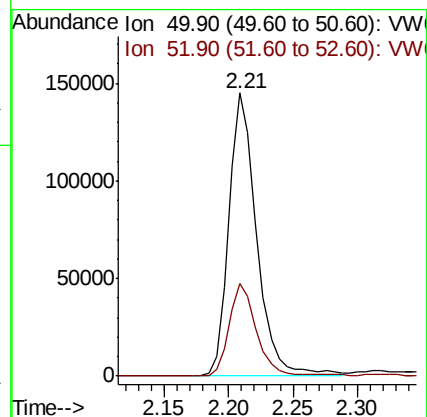
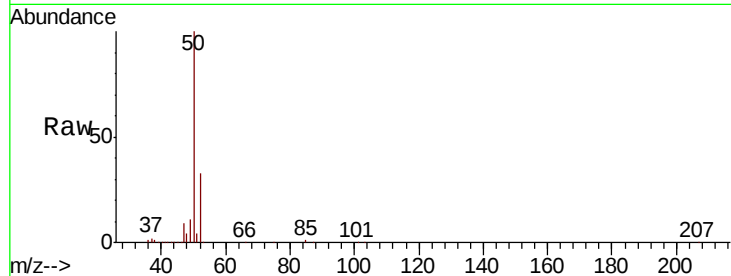
ClientSampleId :

Tot Ion: 50 Resp: 219342

Ion Ratio Lower Upper

50 100

52 32.9 24.8 37.2



#4

Vinyl Chloride

Concen: 116.622 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004313.D

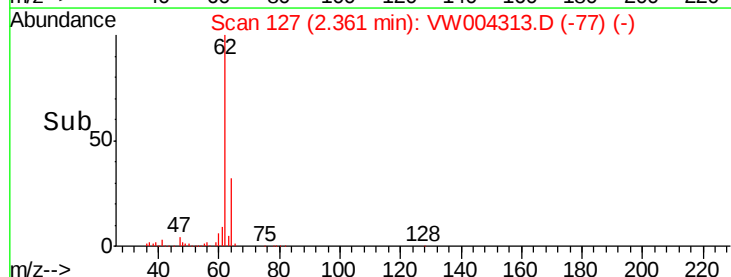
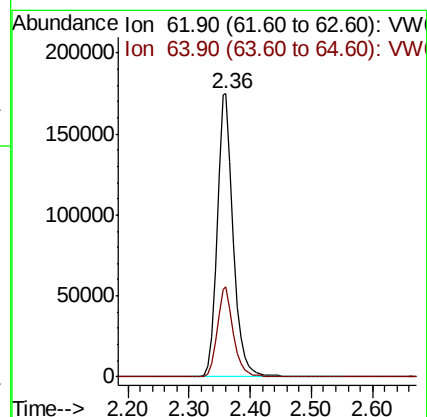
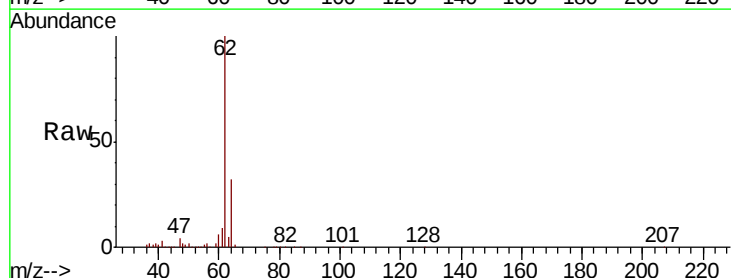
Acq: 29 Jul 2018 14:21

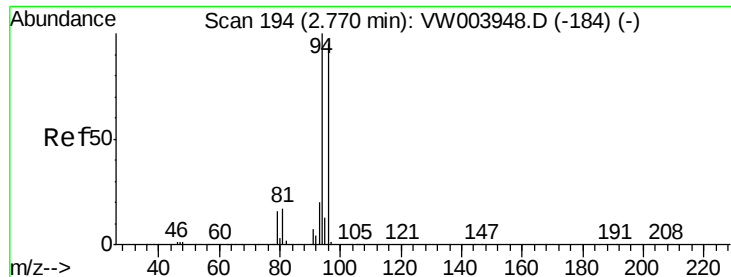
Tgt Ion: 62 Resp: 326607

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 124.114 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

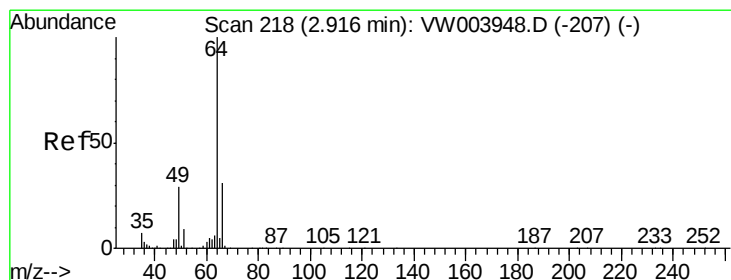
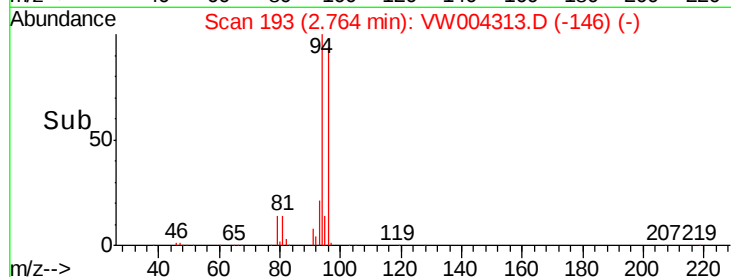
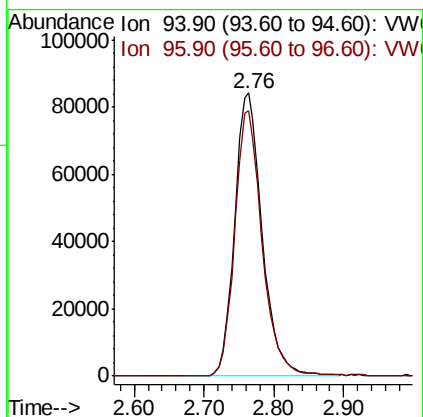
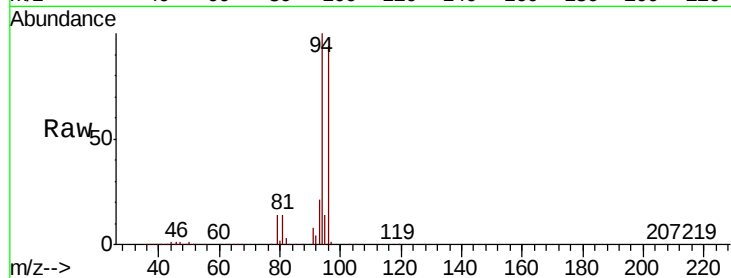
ClientSampleId :

Tot Ion: 94 Resp: 229612

Ion Ratio Lower Upper

94 100

96 93.7 73.3 109.9



#6

Chloroethane

Concen: 135.715 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW004313.D

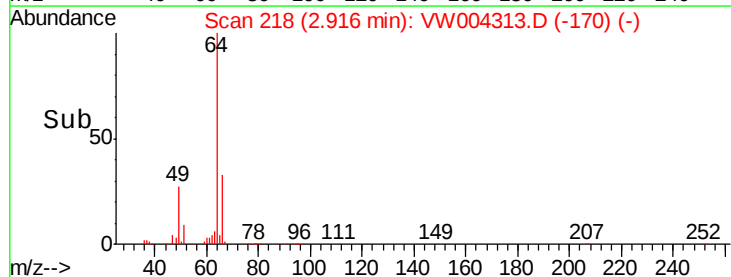
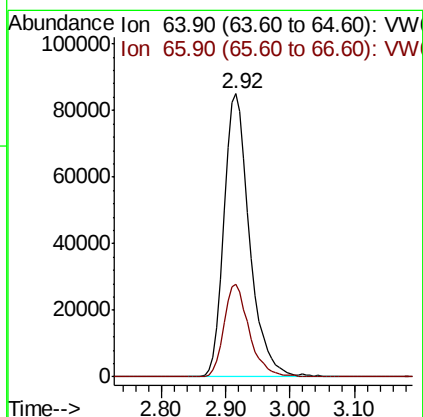
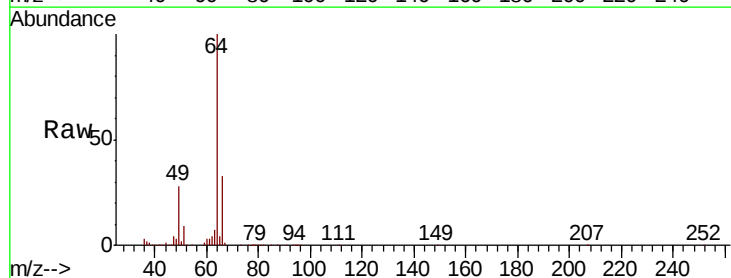
Acq: 29 Jul 2018 14:21

Tgt Ion: 64 Resp: 238606

Ion Ratio Lower Upper

64 100

66 32.6 23.7 35.5



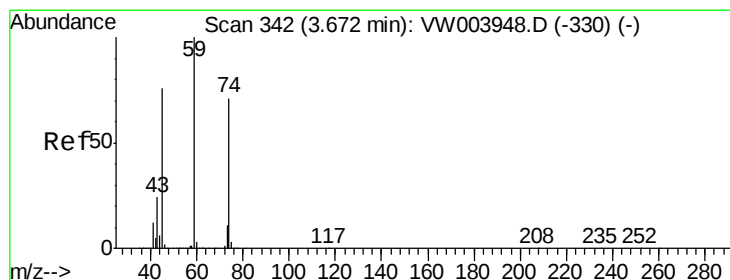
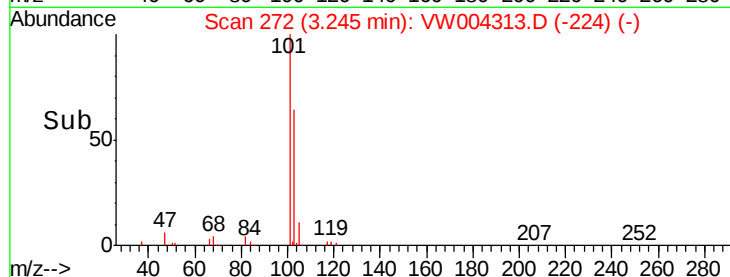
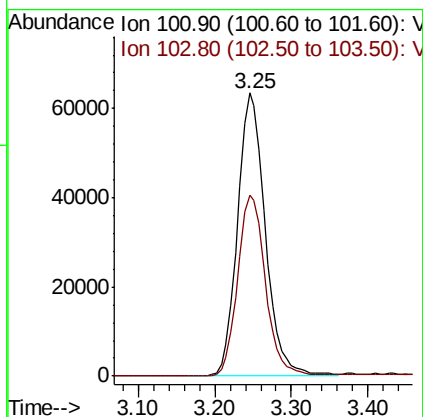
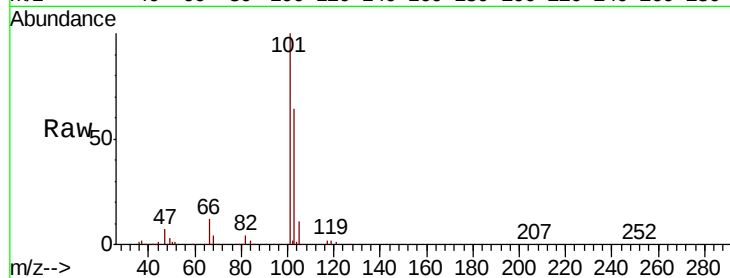


#7

Trichlorofluoromethane
 Concen: 95.574 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.01 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Instrument :
 MSVOA_W
 ClientSampleId :

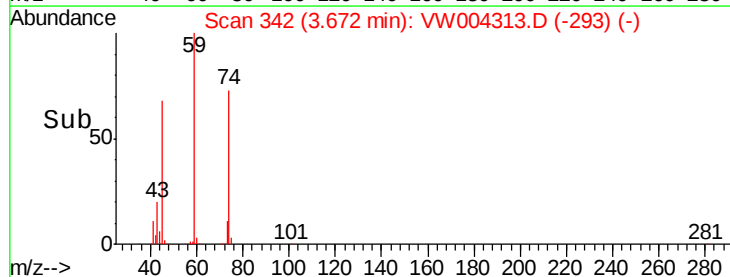
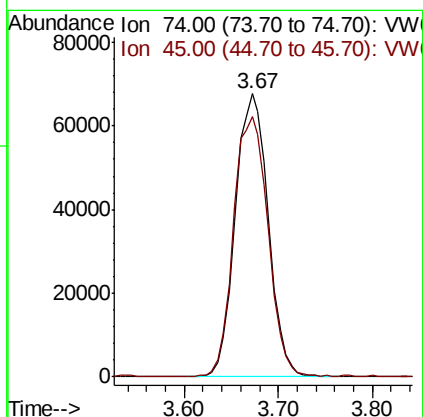
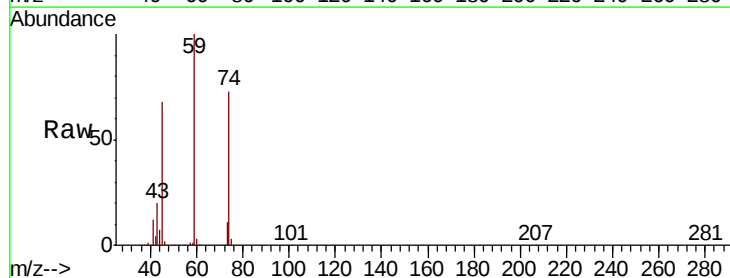
Tot Ion:101 Resp: 160140
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.8 76.2

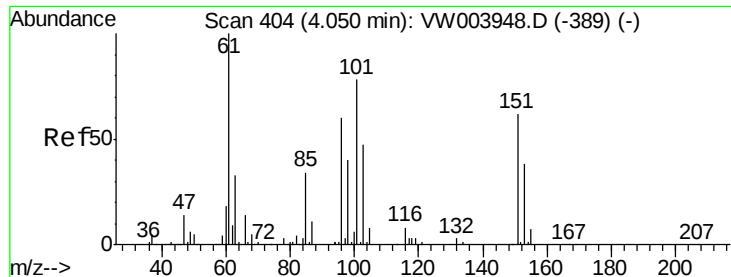


#8

Diethyl Ether
 Concen: 112.552 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Tgt Ion: 74 Resp: 165266
 Ion Ratio Lower Upper
 74 100
 45 95.6 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.736 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

ClientSampled :

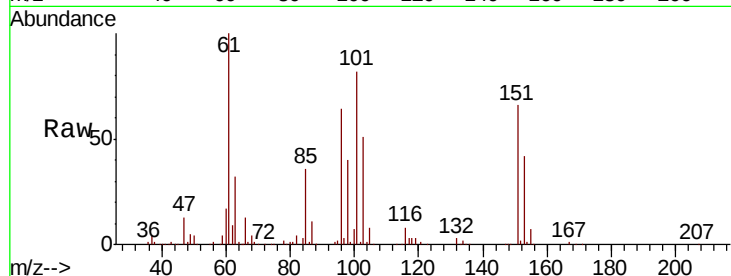
Tot Ion:101 Resp: 400223

Ion Ratio Lower Upper

101 100

85 43.5 35.5 53.3

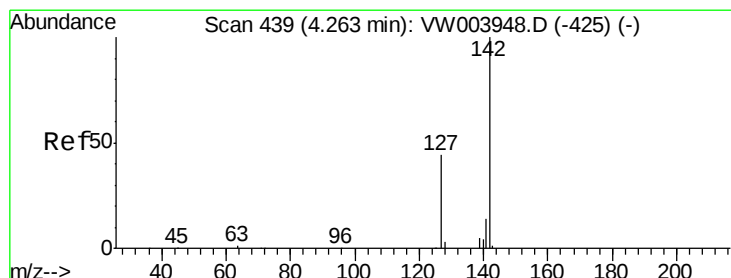
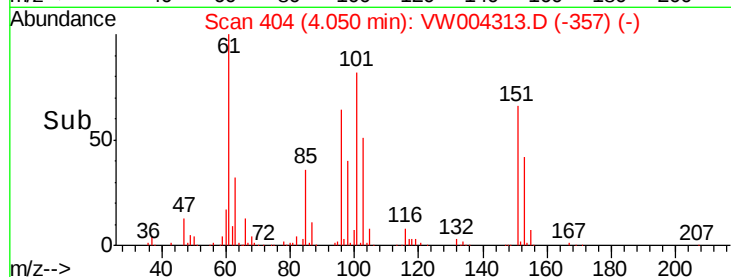
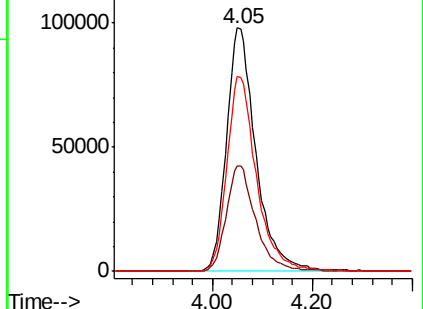
151 80.9 64.6 97.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 146.599 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

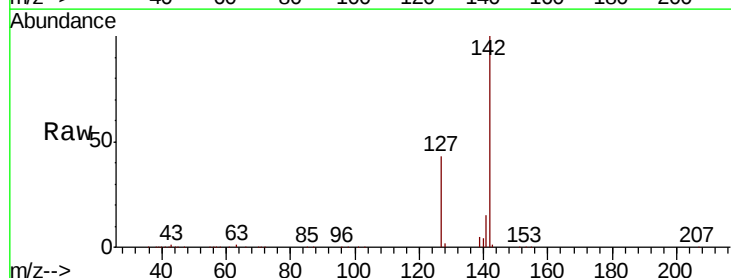
Tgt Ion:142 Resp: 637258

Ion Ratio Lower Upper

142 100

127 42.4 34.6 52.0

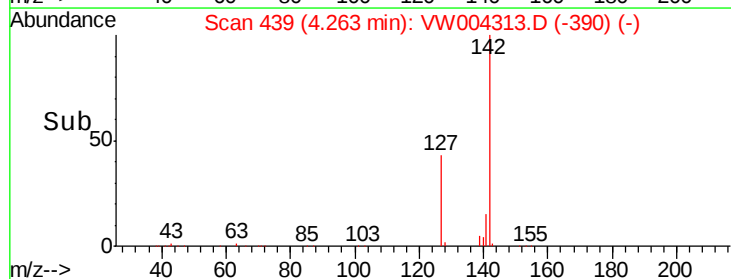
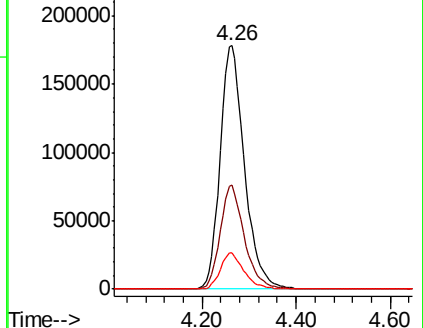
141 14.4 11.5 17.3

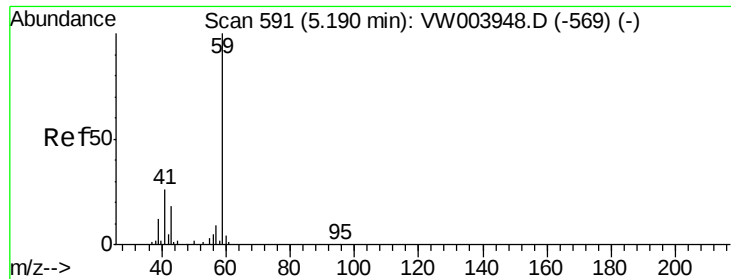


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



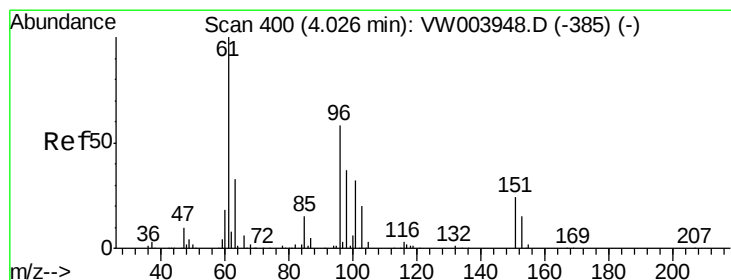
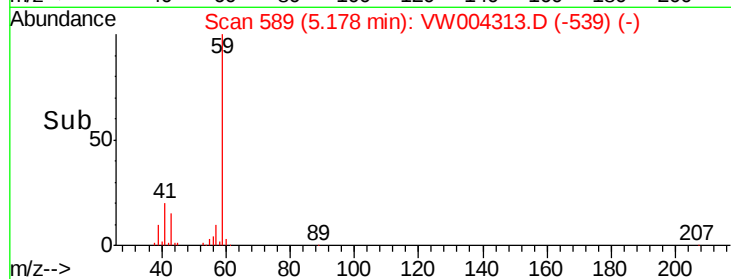
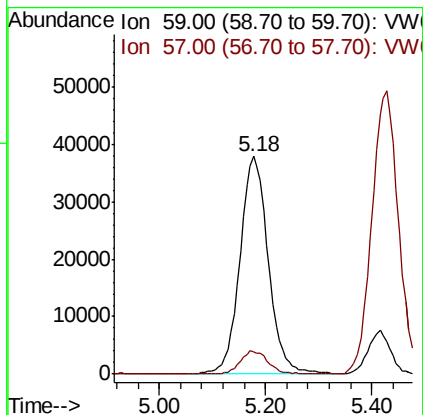
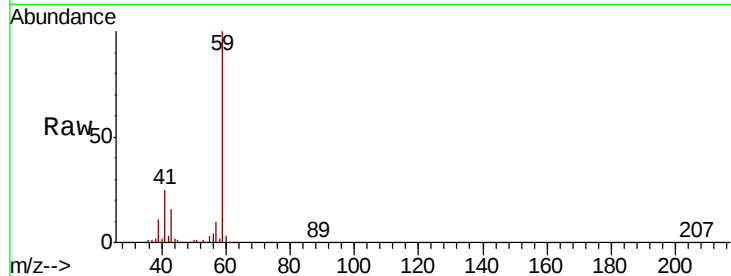


#11

Tert butyl alcohol
 Concen: 651.962 ug/l
 RT: 5.18 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Instrument :
 MSVOA_W
 ClientSampled :

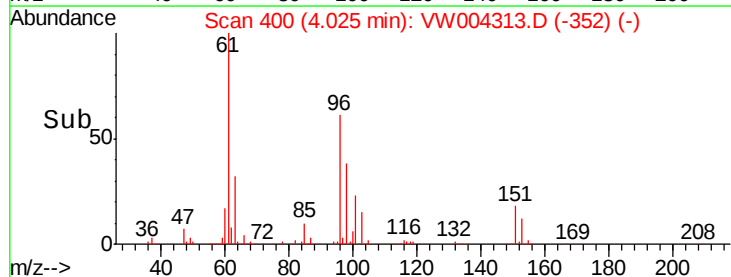
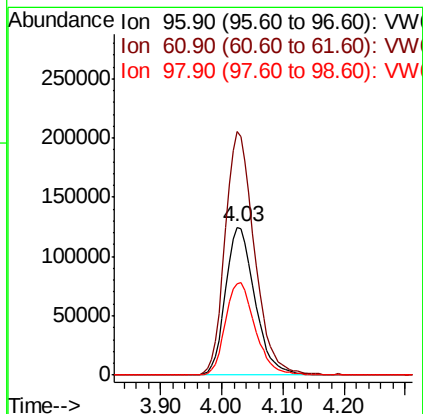
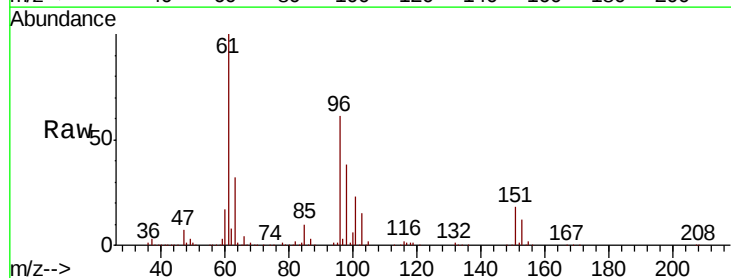
Tot Ion: 59 Resp: 139987
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

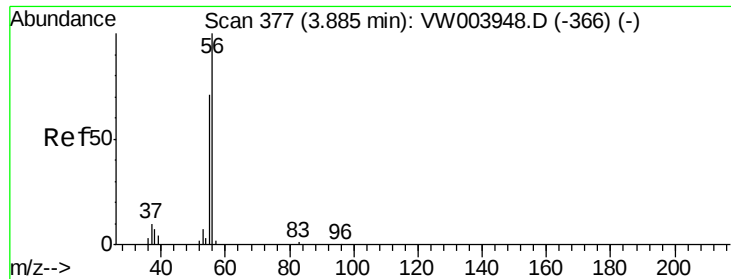


#12

1,1-Dichloroethene
 Concen: 142.535 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Tgt Ion: 96 Resp: 413847
 Ion Ratio Lower Upper
 96 100
 61 164.7 133.4 200.0
 98 62.1 51.9 77.9

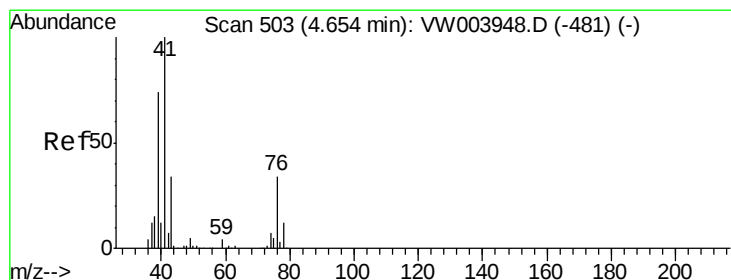
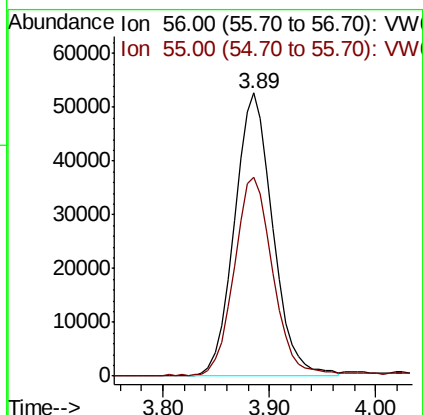
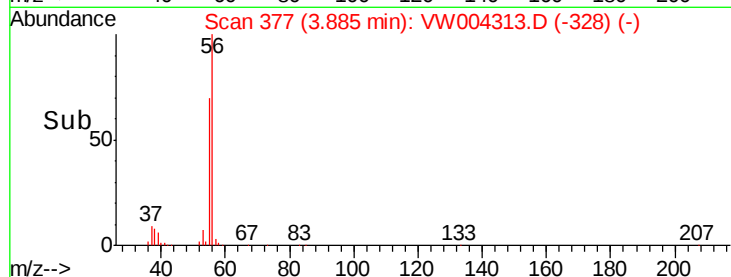
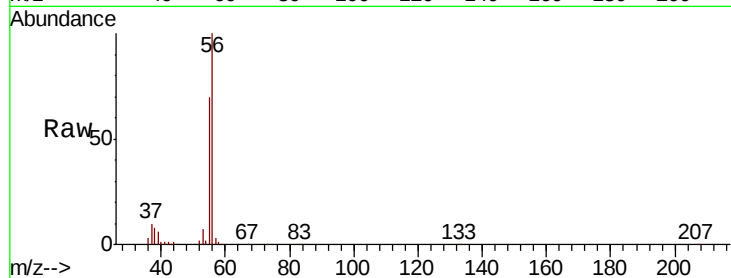




#13
Acrolein
Concen: 699.805 ug/l
RT: 3.89 min Scan# 377
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

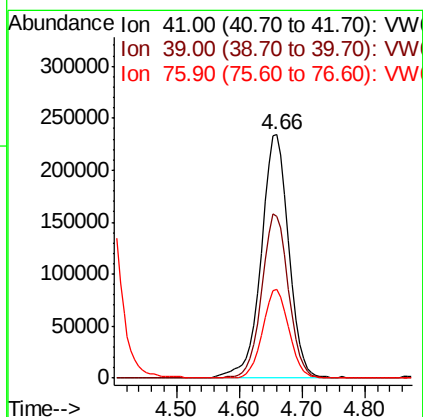
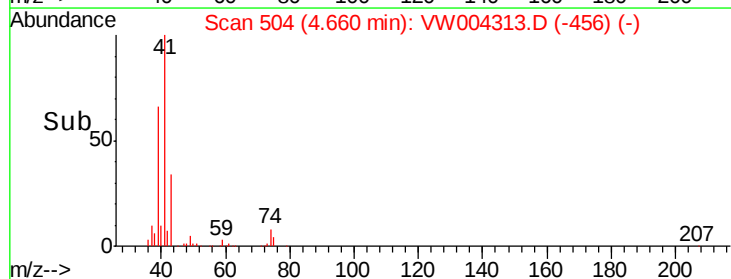
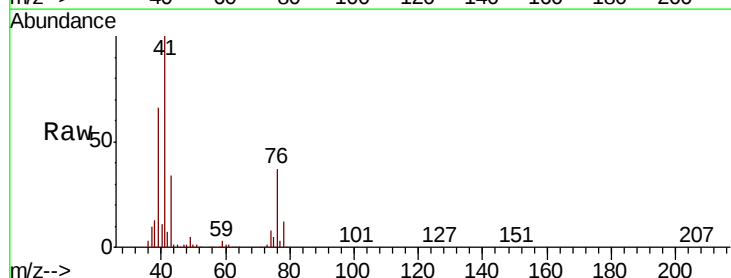
Instrument :
MSVOA_W
ClientSampleId :

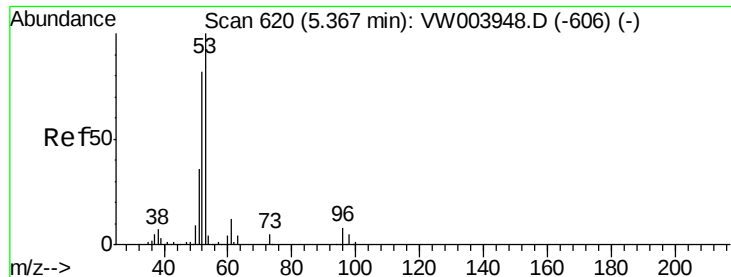
Tot Ion: 56 Resp: 133184
Ion Ratio Lower Upper
56 100
55 70.9 59.4 89.2



#14
Allyl chloride
Concen: 152.141 ug/l
RT: 4.66 min Scan# 504
Delta R.T. -0.01 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion: 41 Resp: 710234
Ion Ratio Lower Upper
41 100
39 65.7 52.3 78.5
76 34.8 27.3 40.9





#15

Acrylonitrile

Concen: 731.916 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

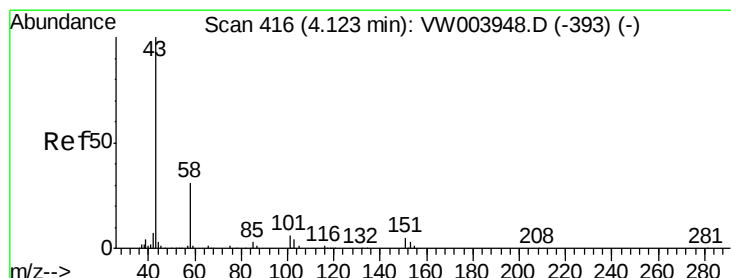
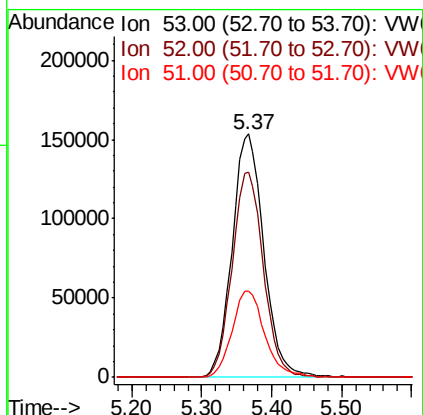
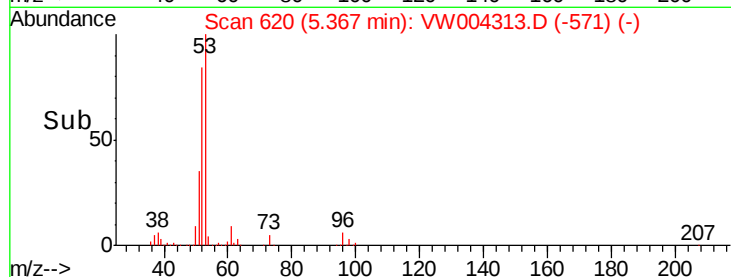
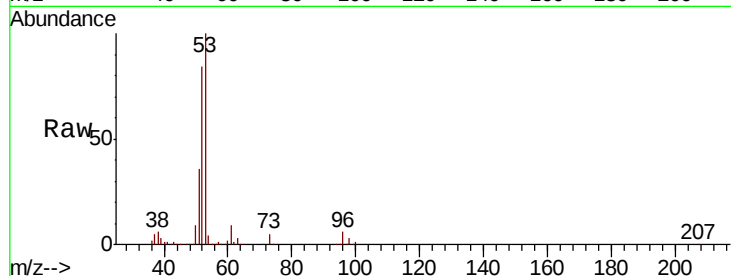
Tot Ion: 53 Resp: 482601

Ion Ratio Lower Upper

53 100

52 83.3 65.7 98.5

51 36.7 29.2 43.8



#16

Acetone

Concen: 668.547 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.00 min

Lab File: VW004313.D

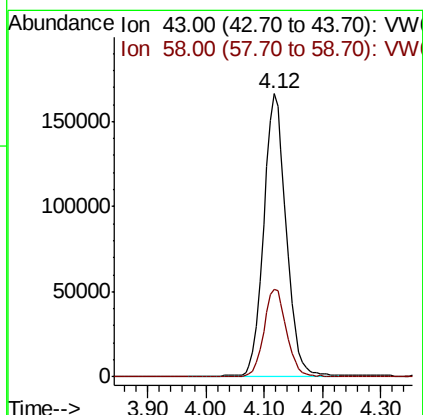
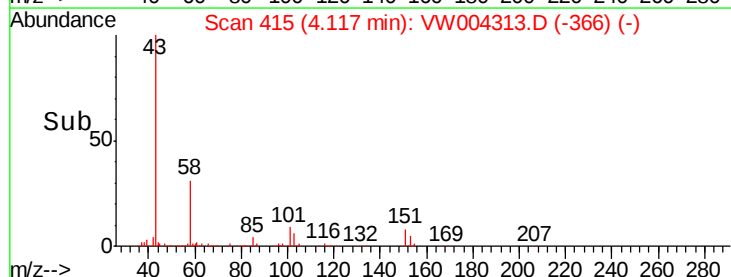
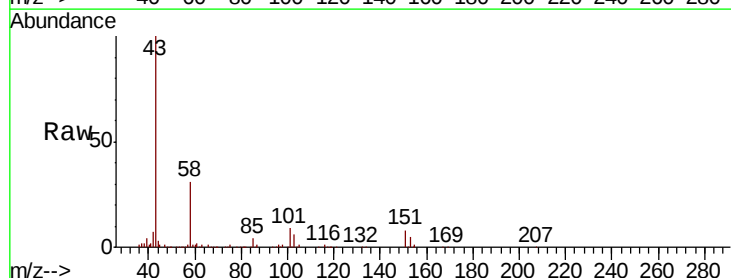
Acq: 29 Jul 2018 14:21

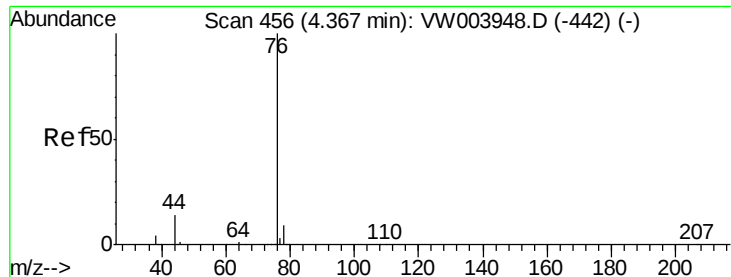
Tgt Ion: 43 Resp: 448369

Ion Ratio Lower Upper

43 100

58 30.9 24.8 37.2

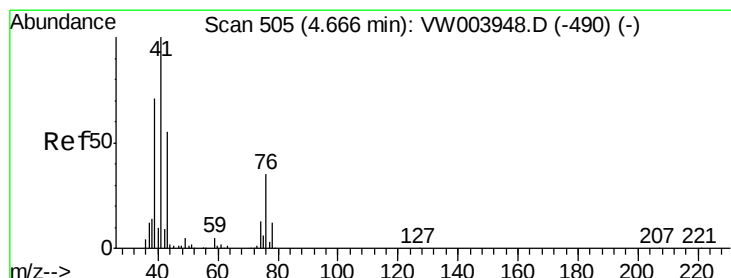
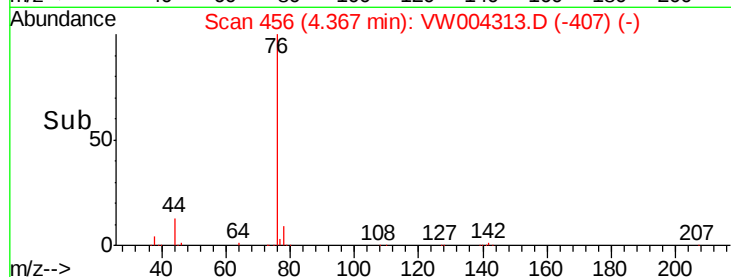
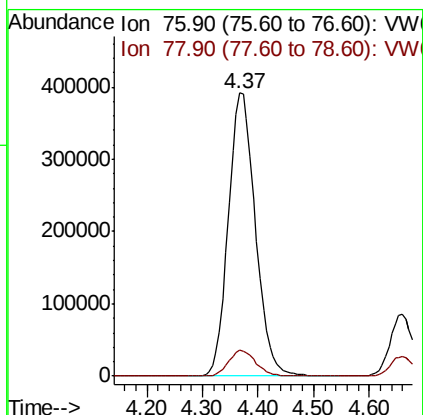
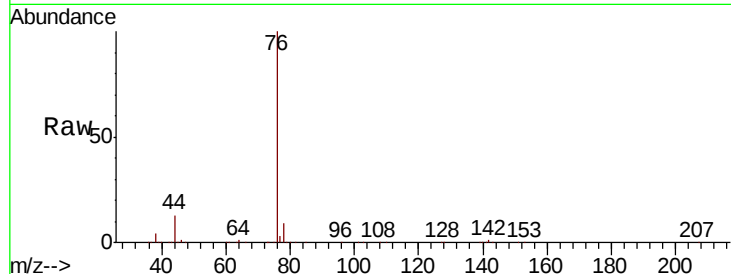




#17
Carbon Disulfide
Concen: 146.823 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

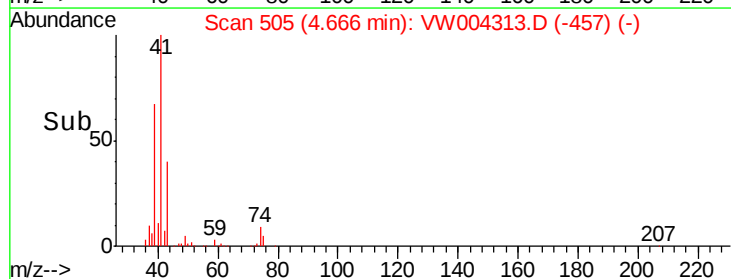
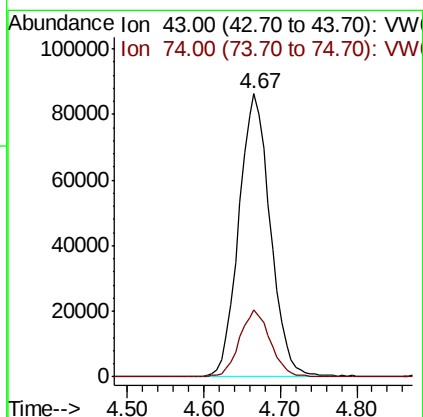
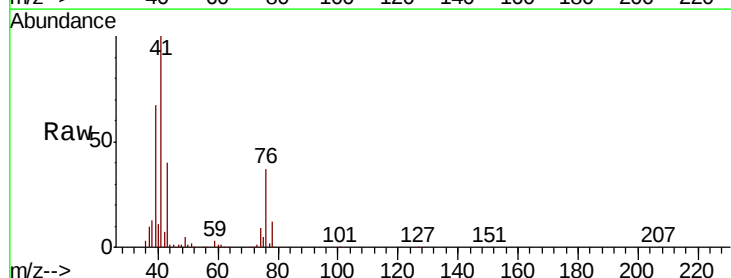
Instrument :
MSVOA_W
ClientSampled :

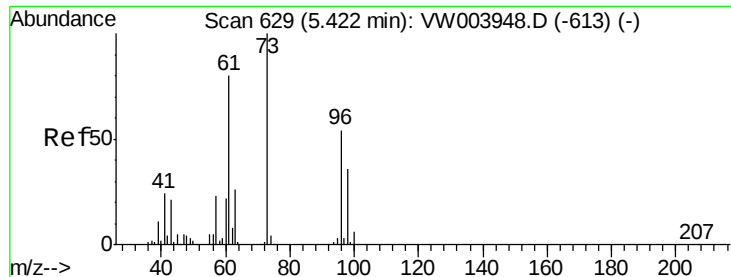
Tot Ion: 76 Resp: 1318078
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 141.945 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion: 43 Resp: 244916
Ion Ratio Lower Upper
43 100
74 23.3 17.8 26.6

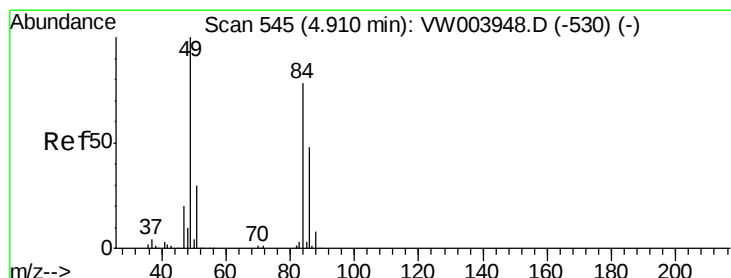
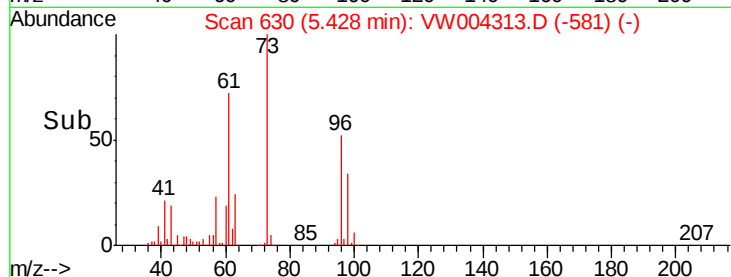
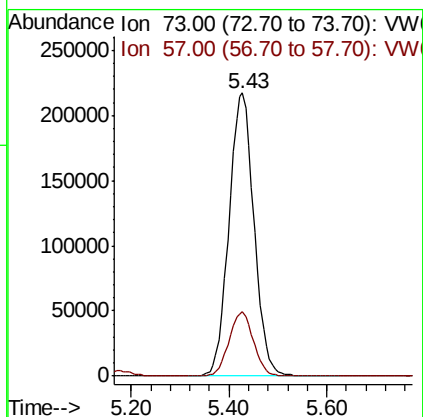
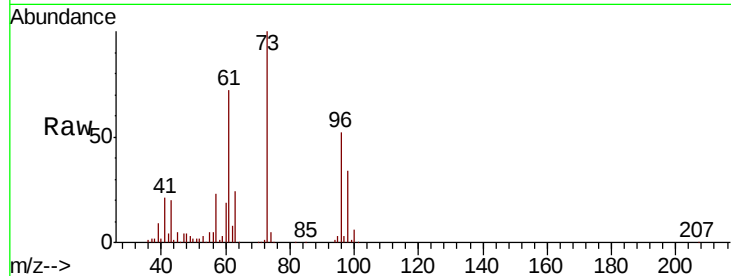




#19
Methvl tert-butvl Ether
Concen: 148.391 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

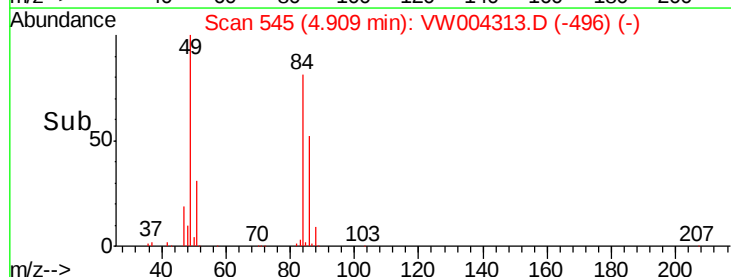
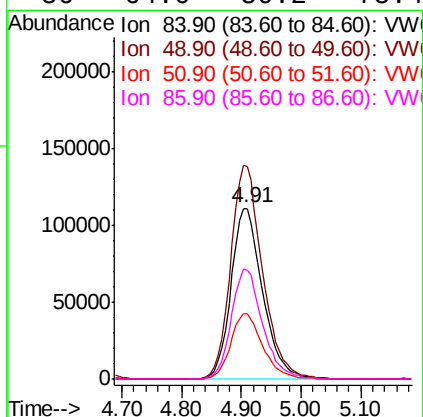
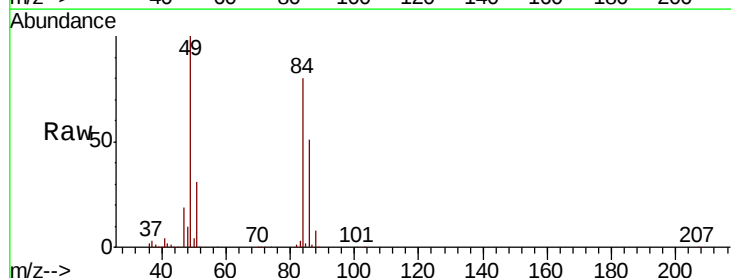
Instrument :
MSVOA_W
ClientSampled :

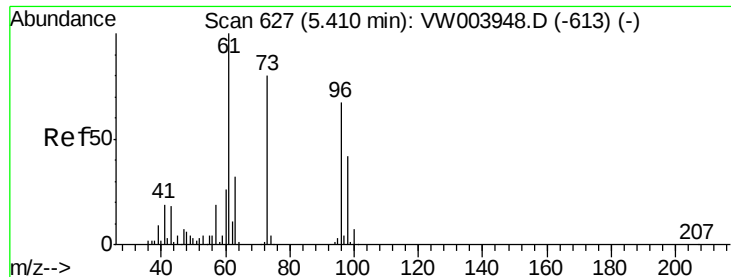
Tot Ion: 73 Resp: 767190
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6



#20
Methylene Chloride
Concen: 130.643 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion: 84 Resp: 407775
Ion Ratio Lower Upper
84 100
49 124.3 100.5 150.7
51 38.5 30.9 46.3
86 64.0 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 141.956 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

ClientSampled :

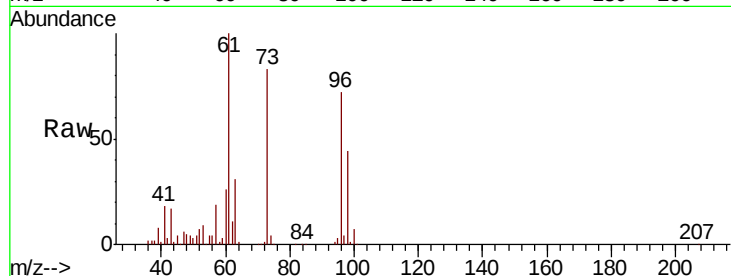
Tot Ion: 96 Resp: 439589

Ion Ratio Lower Upper

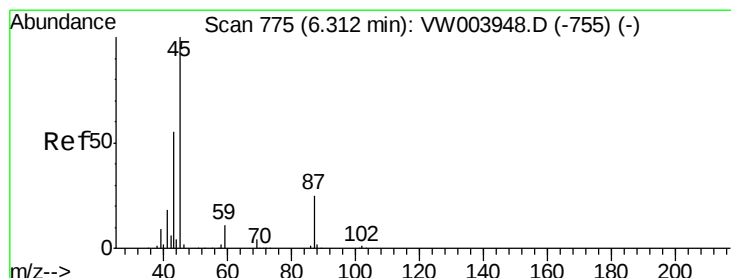
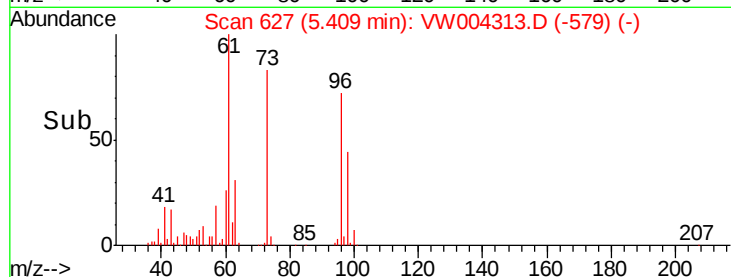
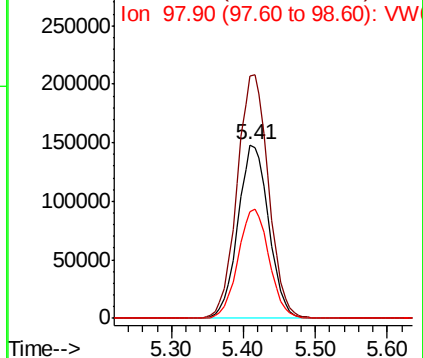
96 100

61 139.6 116.2 174.2

98 61.4 52.9 79.3



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



#22

Diisopropyl ether

Concen: 151.175 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Tgt Ion: 45 Resp: 1328121

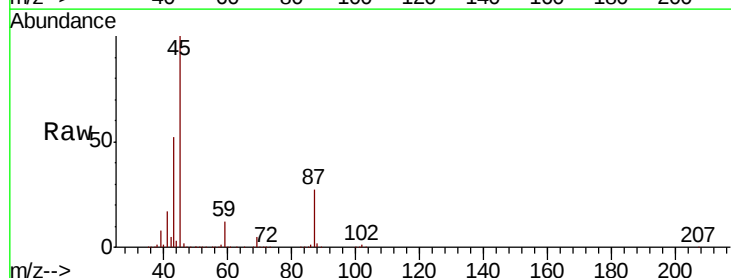
Ion Ratio Lower Upper

45 100

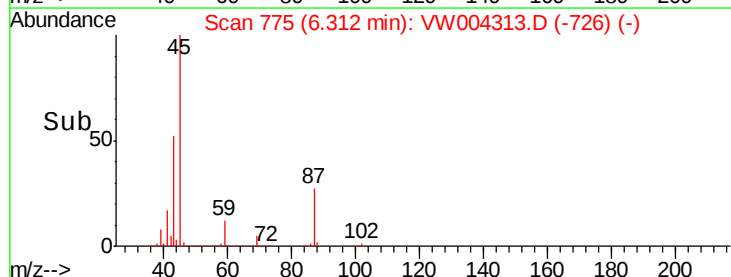
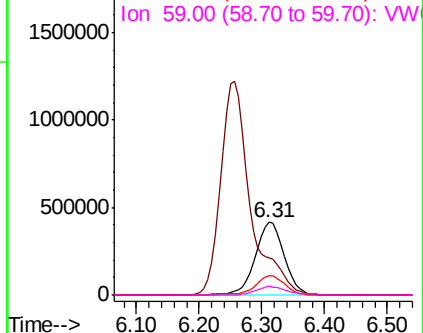
43 51.7 42.3 63.5

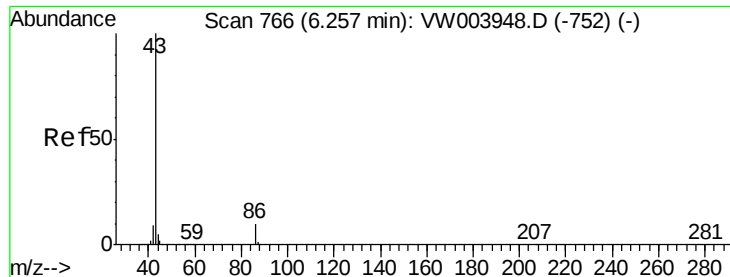
87 26.5 19.9 29.9

59 11.4 8.7 13.1



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: 788.661 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

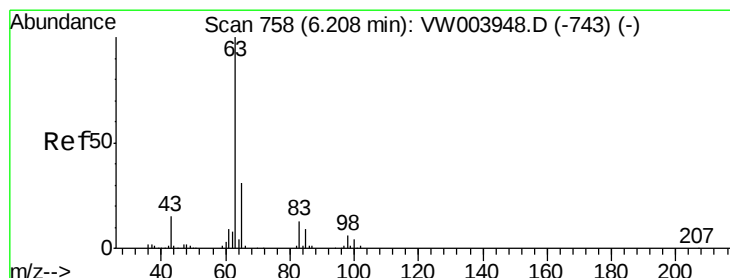
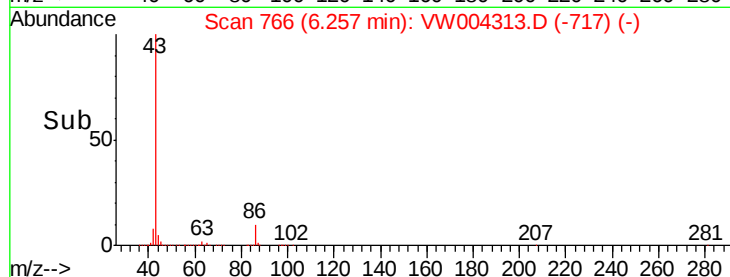
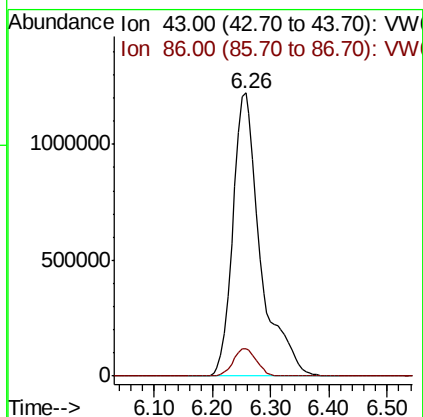
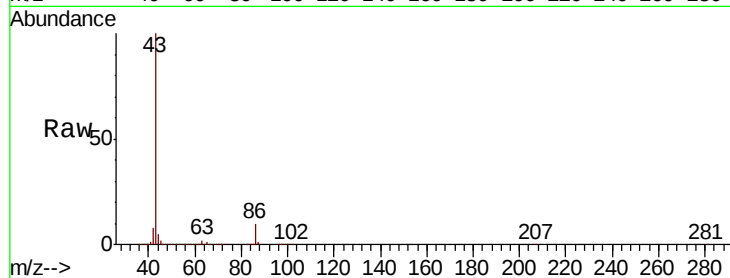
ClientSampled :

Tot Ion: 43 Resp: 4019741

Ion Ratio Lower Upper

43 100

86 9.9 7.7 11.5



#24

1,1-Dichloroethane

Concen: 139.491 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

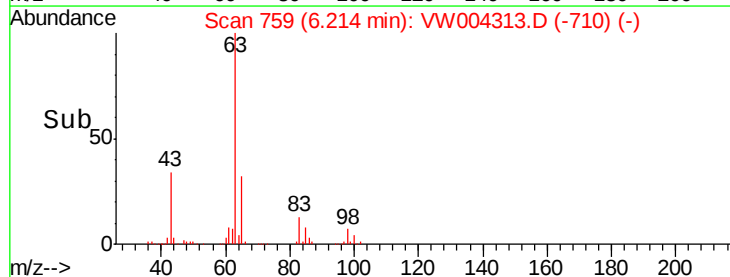
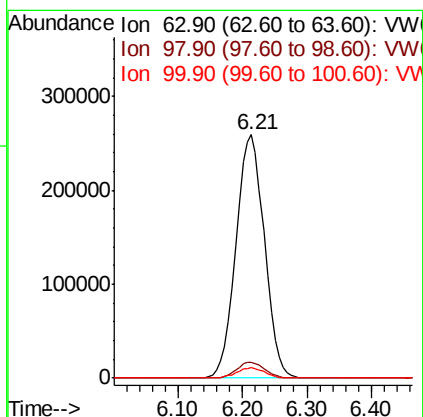
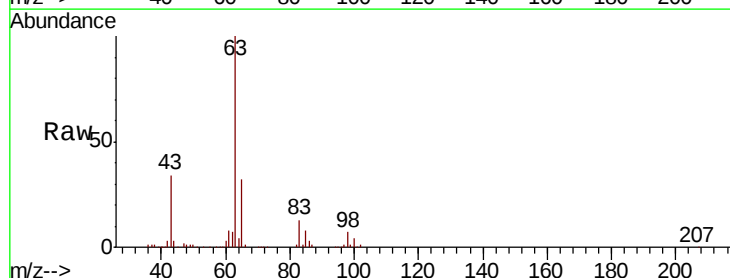
Tgt Ion: 63 Resp: 789224

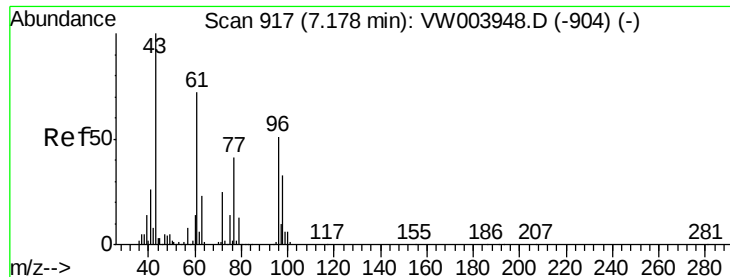
Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

100 4.2 2.3 6.9





#25

2-Butanone

Concen: 774.065 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

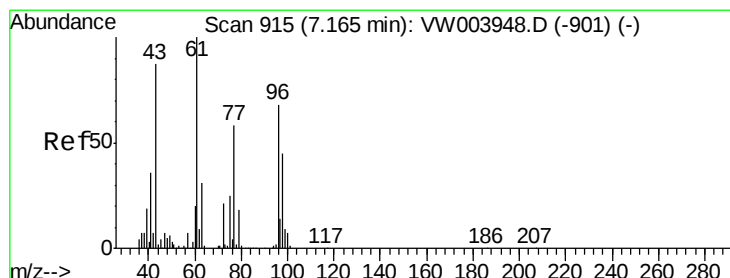
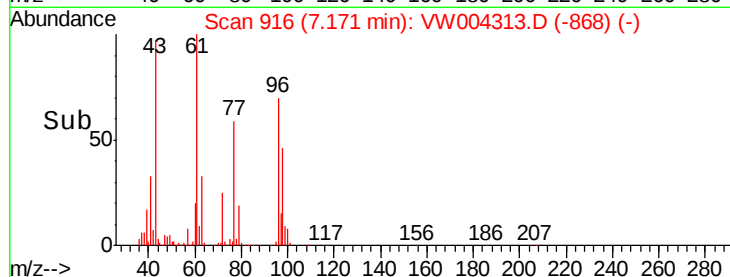
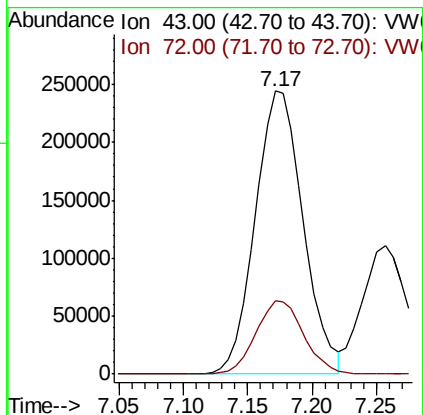
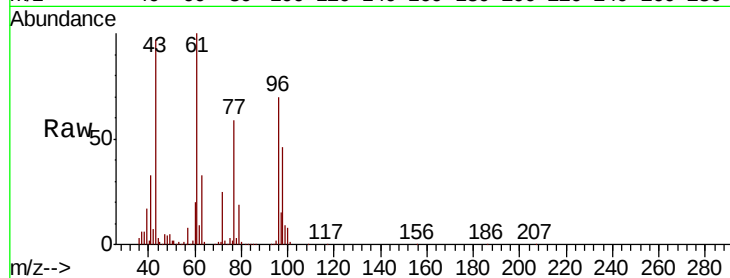
ClientSampleId :

Tot Ion: 43 Resp: 629185

Ion Ratio Lower Upper

43 100

72 26.2 20.3 30.5



#26

2,2-Dichloropropane

Concen: 134.869 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW004313.D

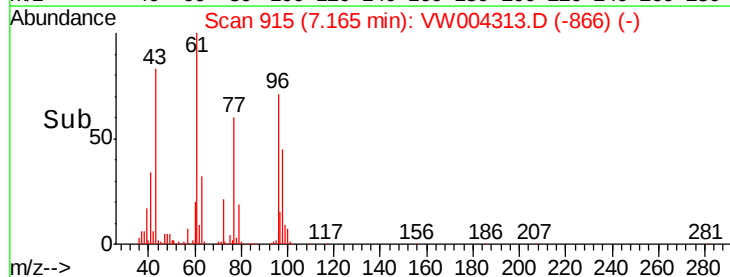
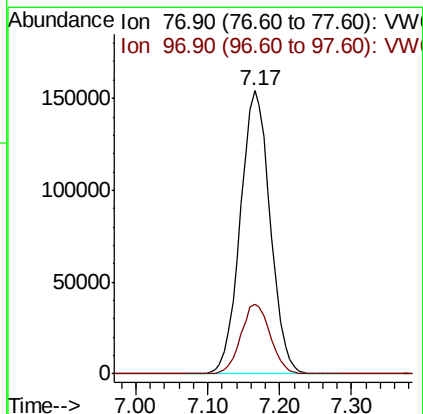
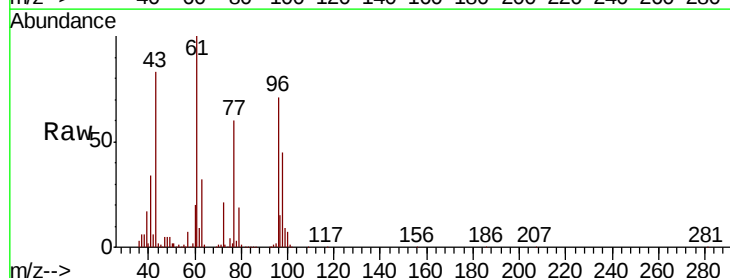
Acq: 29 Jul 2018 14:21

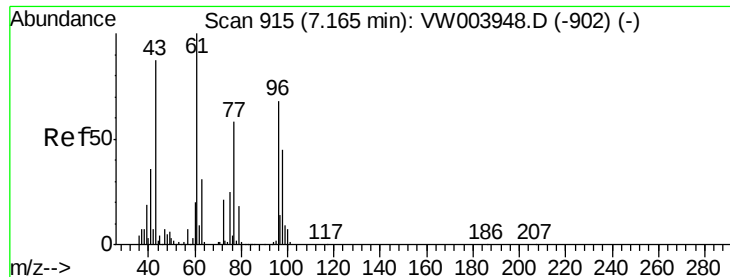
Tgt Ion: 77 Resp: 442706

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.1



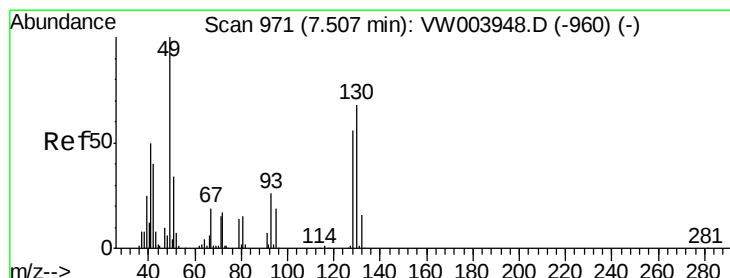
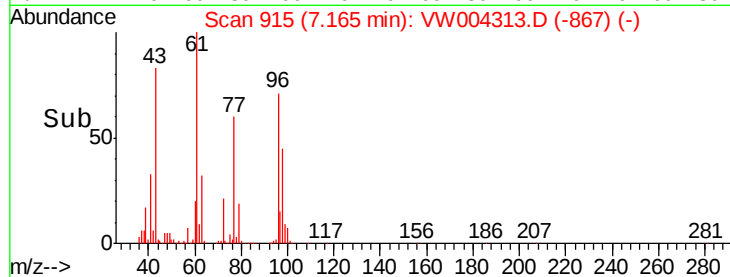
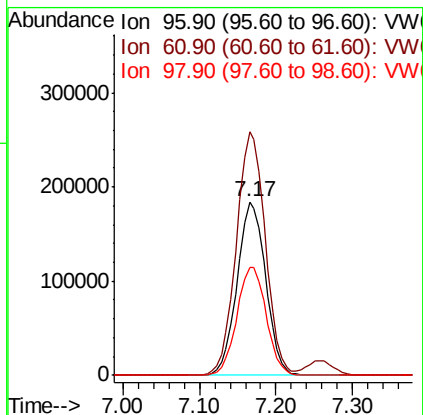
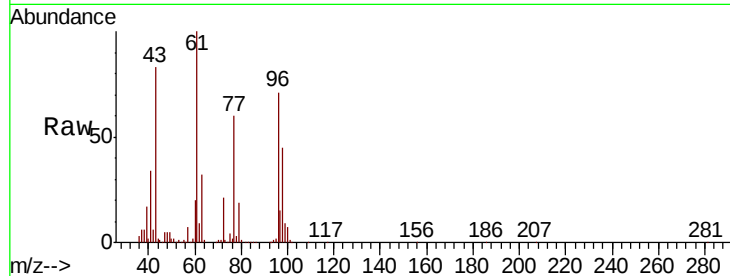


#27

cis-1,2-Dichloroethene
 Concen: 150.981 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Instrument :
 MSVOA_W
 ClientSampleId :

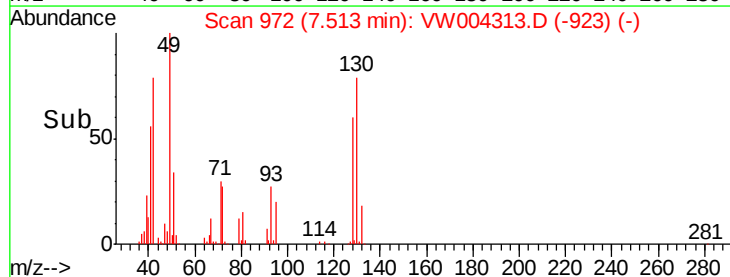
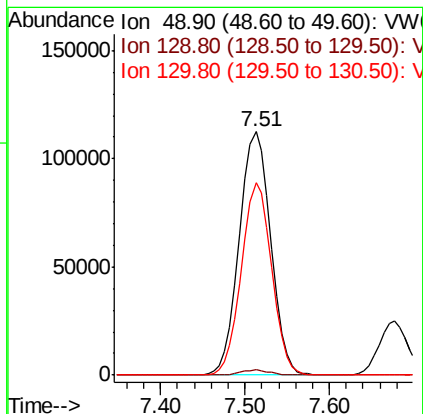
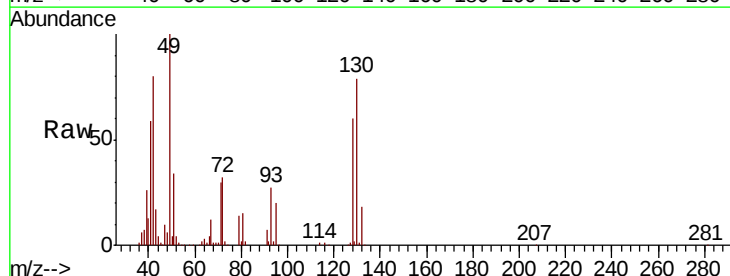
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	292.0
98	64.4	0.0	129.6

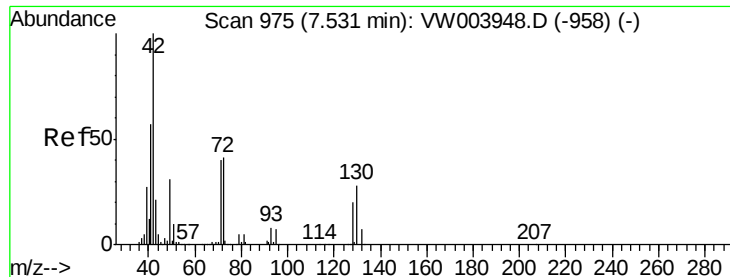


#28

Bromochloromethane
 Concen: 143.028 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	76.1	61.5	92.3





#29

Tetrahydrofuran

Concen: 797.021 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

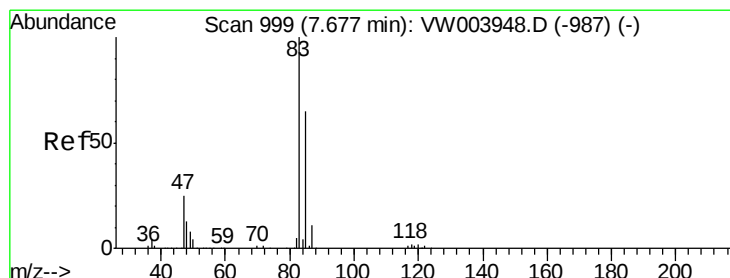
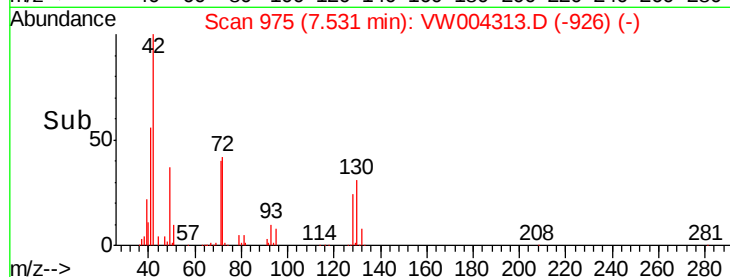
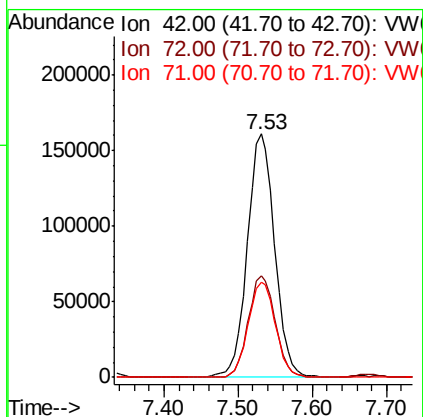
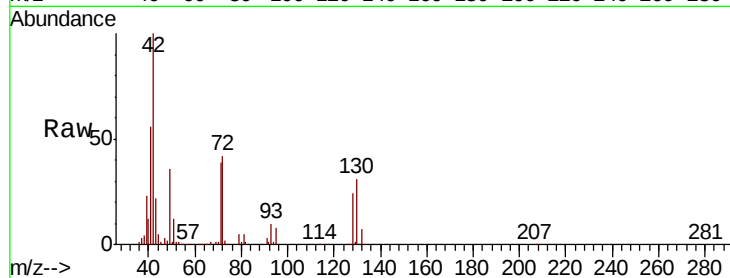
Tot Ion: 42 Resp: 414556

Ion Ratio Lower Upper

42 100

72 41.3 32.6 48.8

71 39.2 31.3 46.9



#30

Chloroform

Concen: 143.089 ug/l

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004313.D

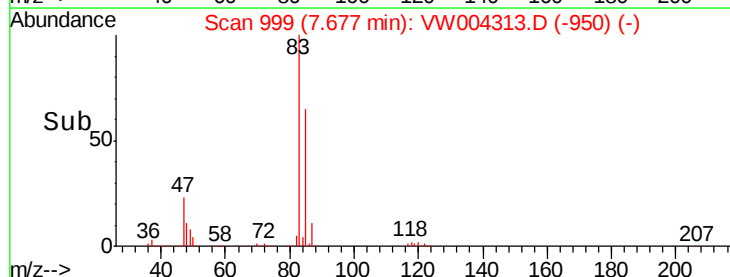
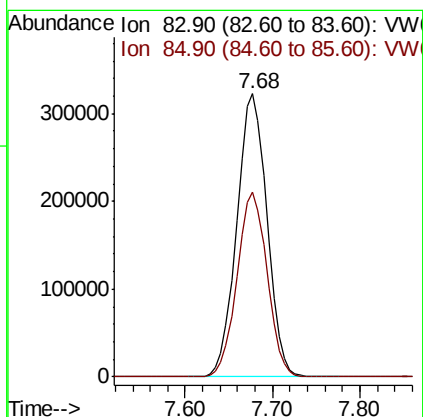
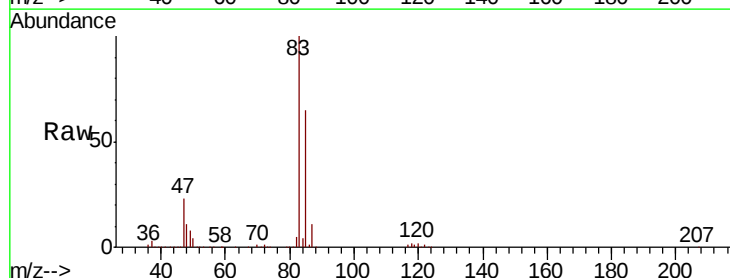
Acq: 29 Jul 2018 14:21

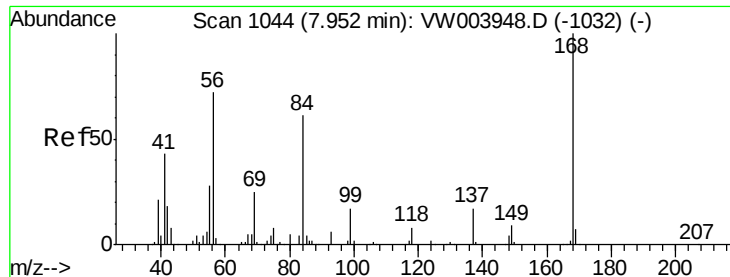
Tgt Ion: 83 Resp: 773290

Ion Ratio Lower Upper

83 100

85 65.2 51.5 77.3

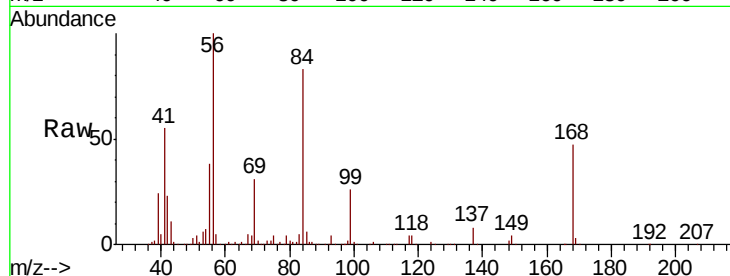




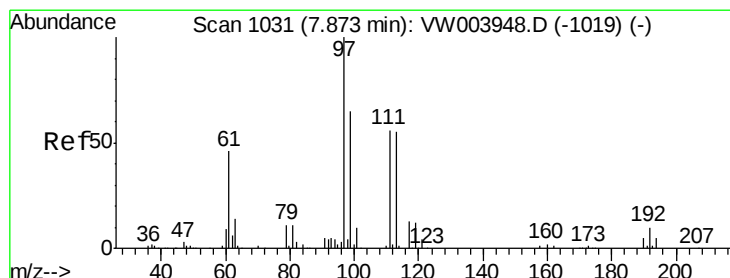
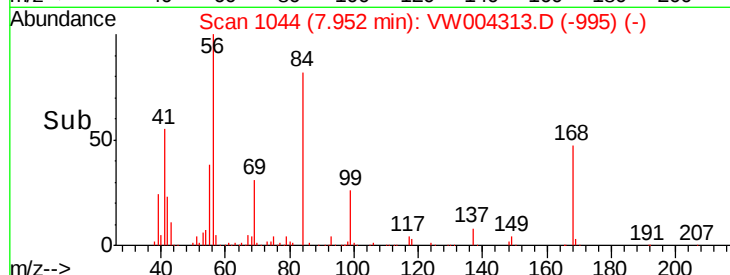
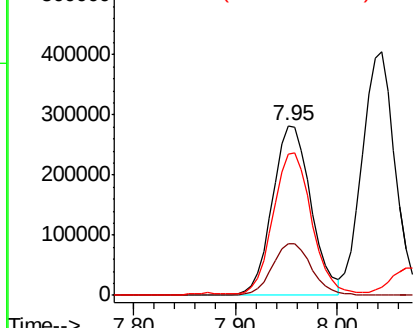
#31
Cyclohexane
Concen: 148.161 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 740243
Ion Ratio Lower Upper
56 100
69 30.7 26.3 39.5
84 82.7 66.2 99.4

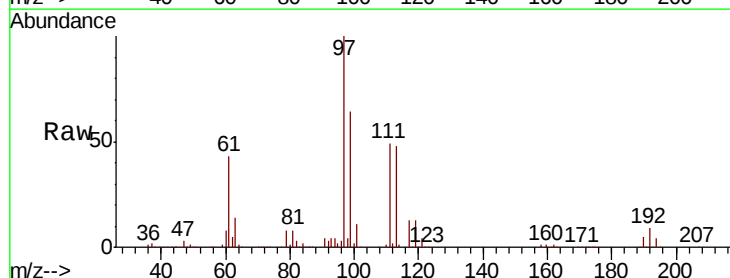


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

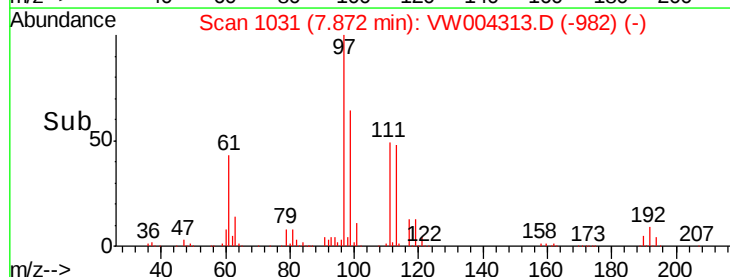
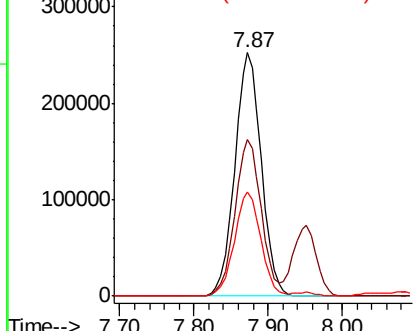


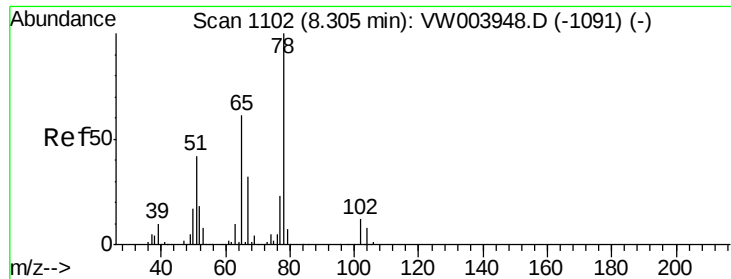
#32
1,1,1-Trichloroethane
Concen: 141.023 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion: 97 Resp: 625926
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 42.9 34.8 52.2



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

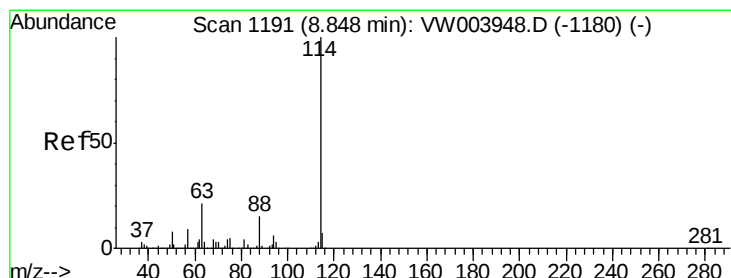
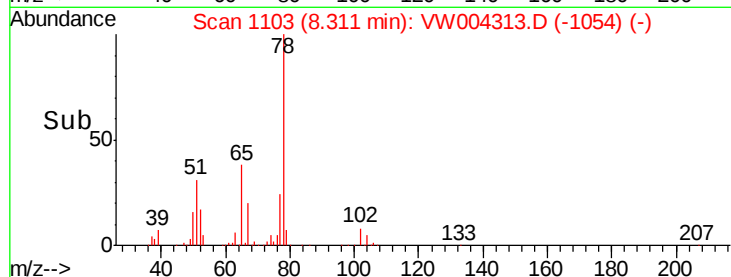
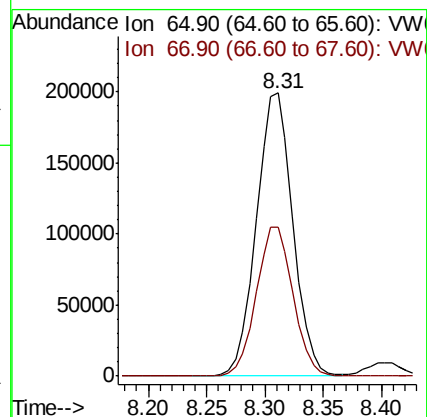
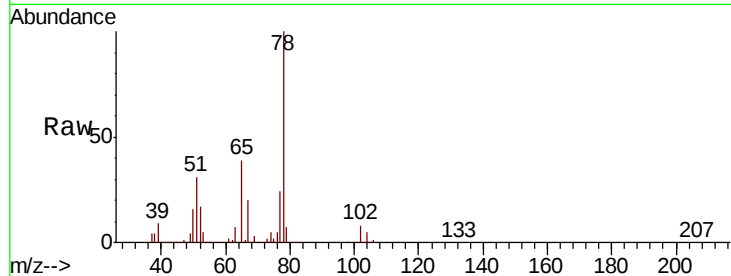




#33
 1,2-Dichloroethane-d4
 Concen: 148.360 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

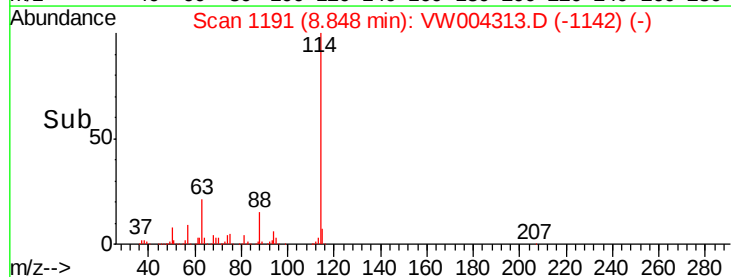
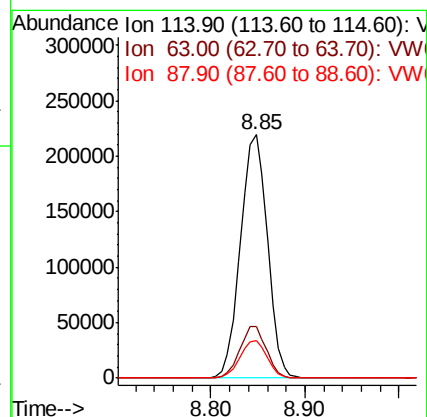
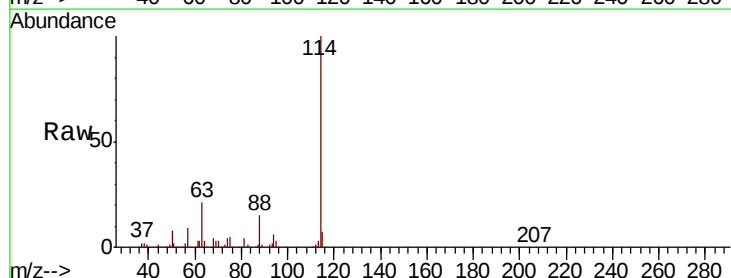
Instrument :
 MSVOA_W
 ClientSampled :

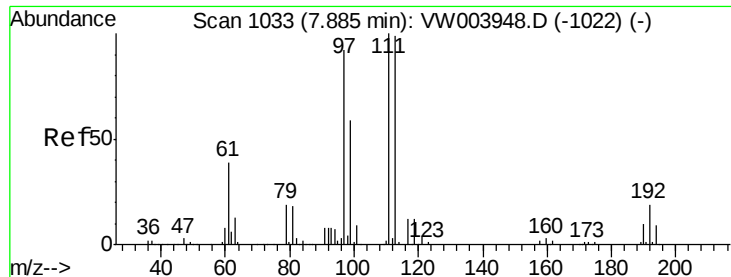
Tot Ion: 65 Resp: 434204
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Tgt Ion: 114 Resp: 438339
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.4
 88 15.5 0.0 30.6

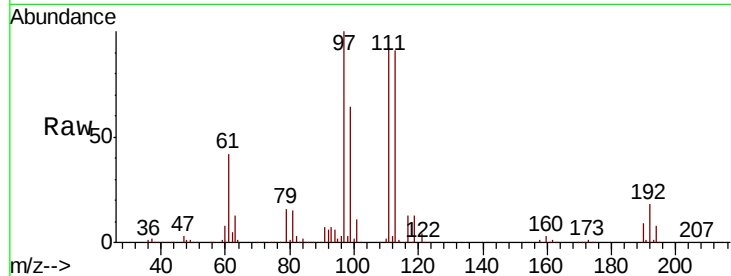




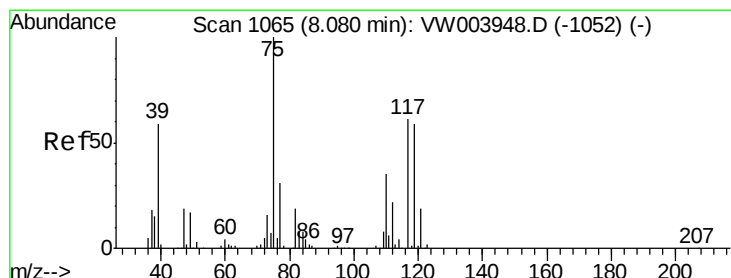
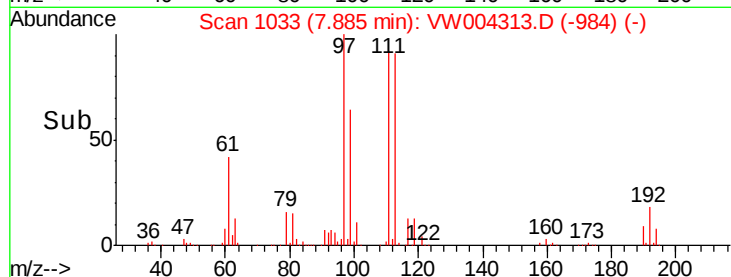
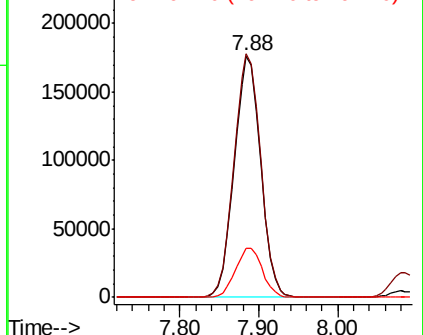
#35
 Dibromofluoromethane
 Concen: 147.687 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 409111
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.1 123.1
 192 20.7 16.2 24.4

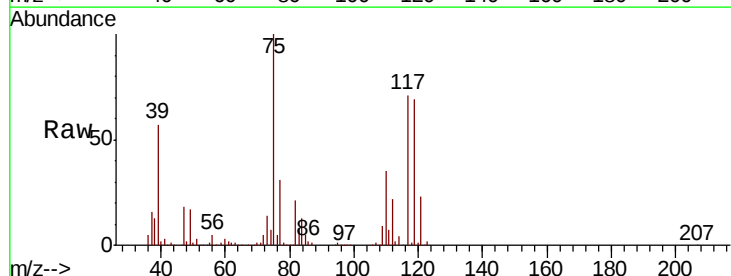


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

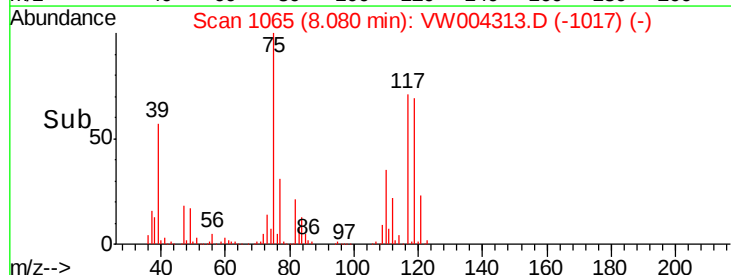
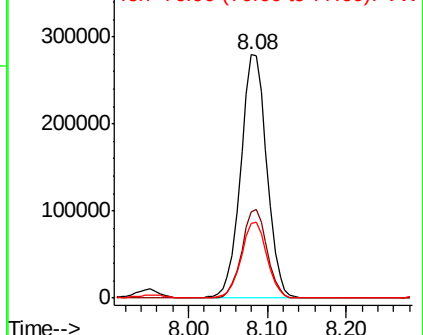


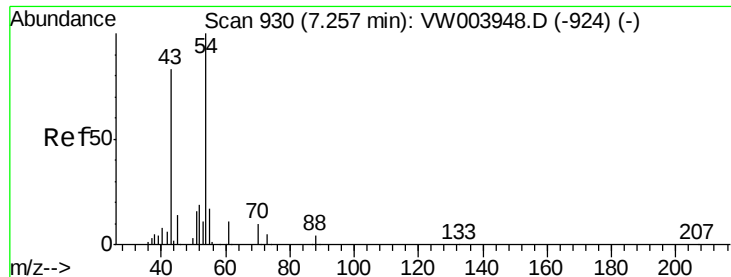
#36
 1,1-Dichloropropene
 Concen: 146.424 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.01 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Tgt Ion: 75 Resp: 642086
 Ion Ratio Lower Upper
 75 100
 110 35.2 17.3 52.0
 77 31.0 25.0 37.6



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

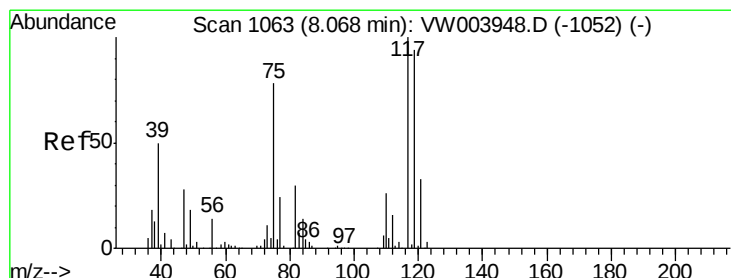
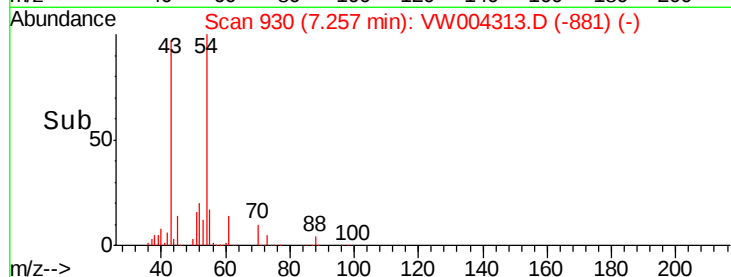
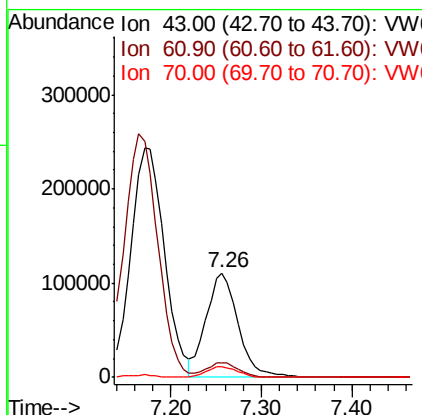
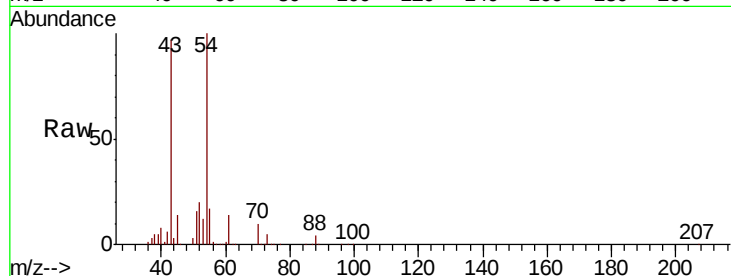




#37
Ethyl Acetate
Concen: 152.153 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

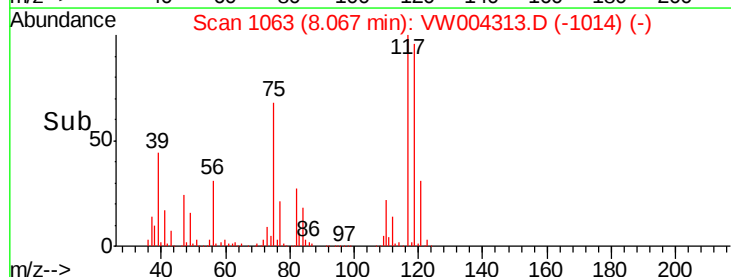
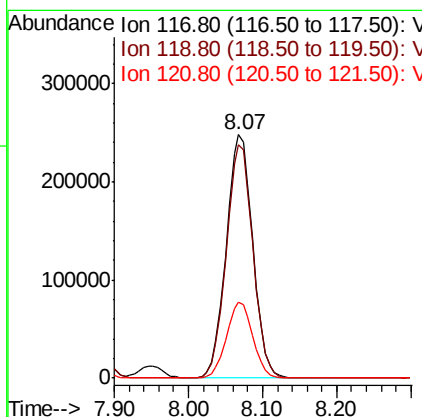
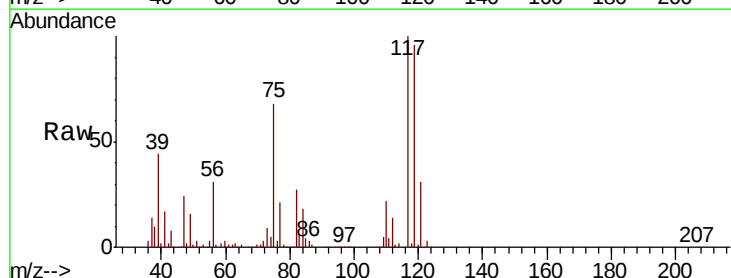
Instrument :
MSVOA_W
ClientSampleId :

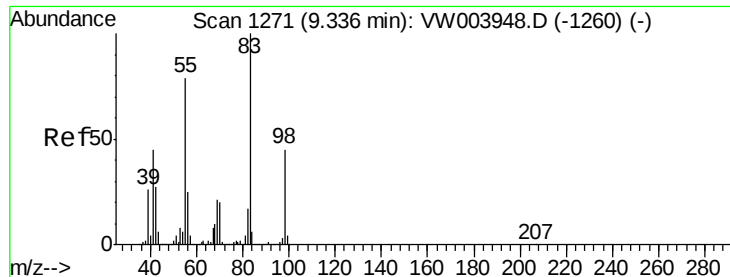
Tot Ion: 43 Resp: 273411
Ion Ratio Lower Upper
43 100
61 13.5 11.1 16.7
70 10.4 7.8 11.6



#38
Carbon Tetrachloride
Concen: 142.499 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion: 117 Resp: 617018
Ion Ratio Lower Upper
117 100
119 96.0 79.7 119.5
121 31.1 25.7 38.5

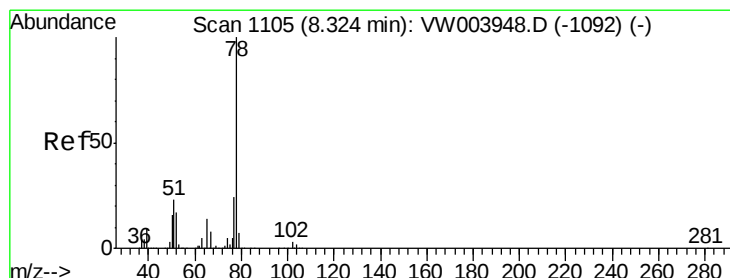
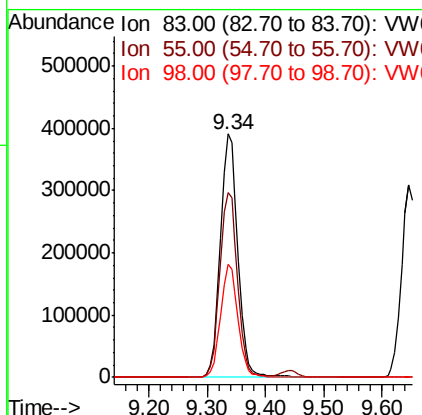
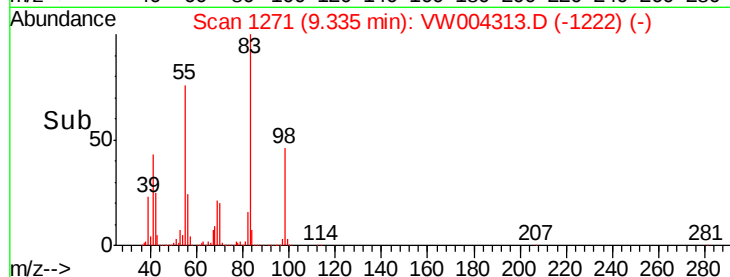
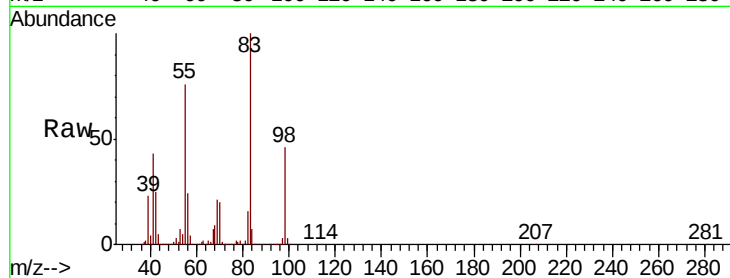




#39
Methylvlcyclohexane
Concen: 153.591 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

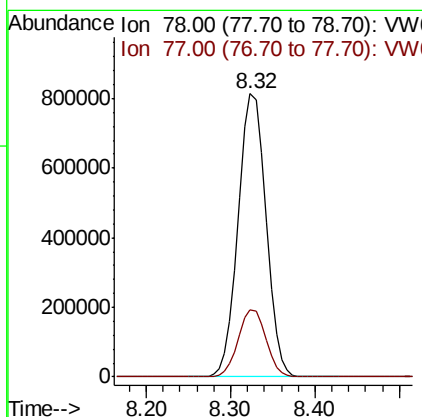
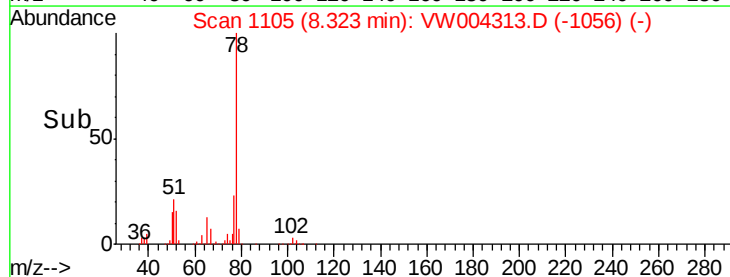
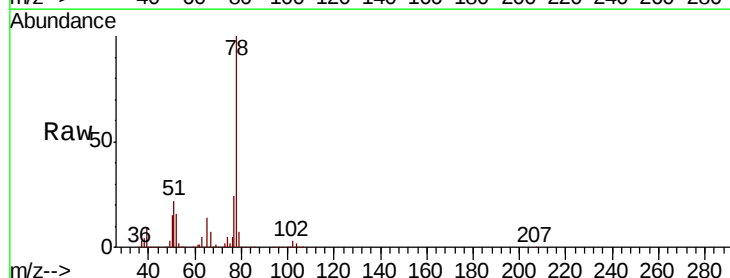
Instrument :
MSVOA_W
ClientSampled :

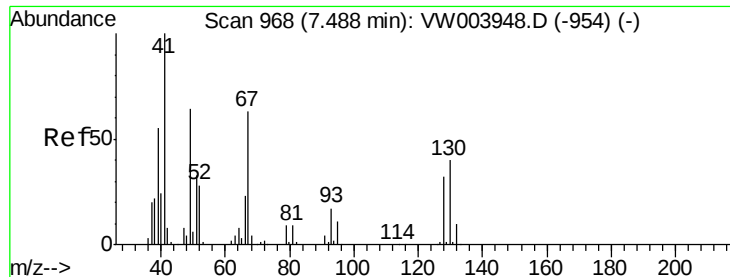
Tot Ion: 83 Resp: 811589
Ion Ratio Lower Upper
83 100
55 75.9 64.3 96.5
98 46.3 36.3 54.5



#40
Benzene
Concen: 146.853 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion: 78 Resp: 1811575
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.0

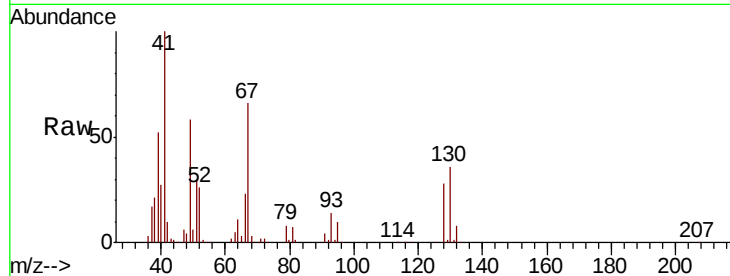




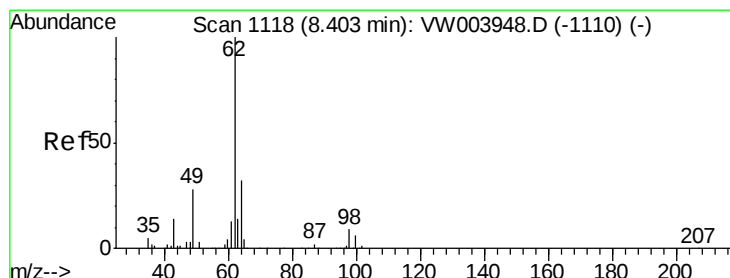
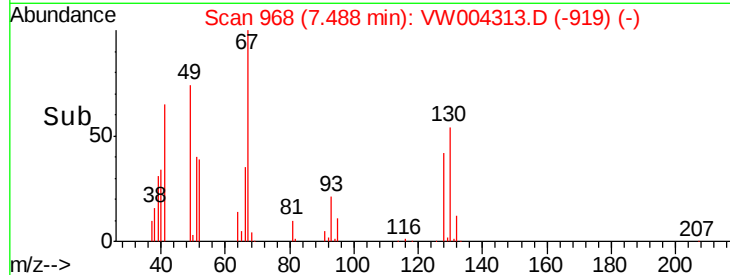
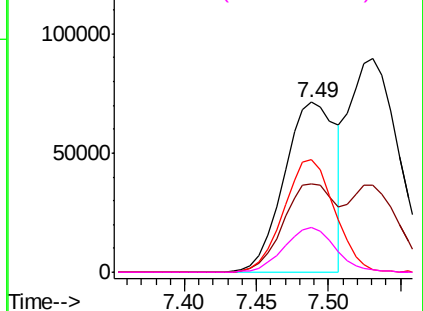
#41
Methacrylonitrile
Concen: 172.843 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	179335
Ion	Ratio	Lower	Upper
41	100		
39	51.5	41.2	61.8
67	65.2	53.4	80.0
52	26.3	22.4	33.6

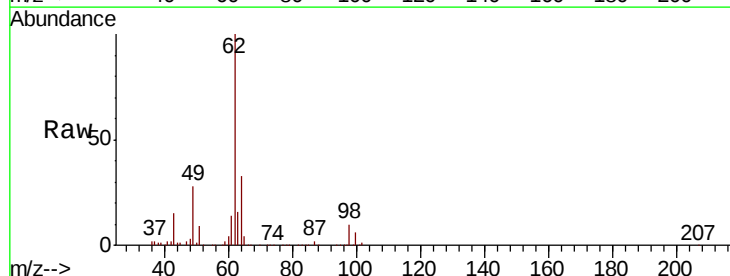


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

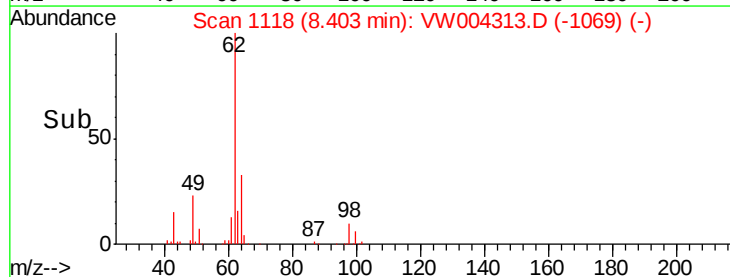
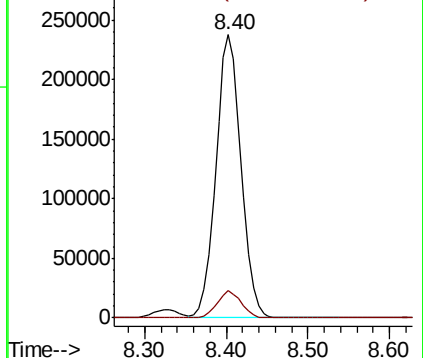


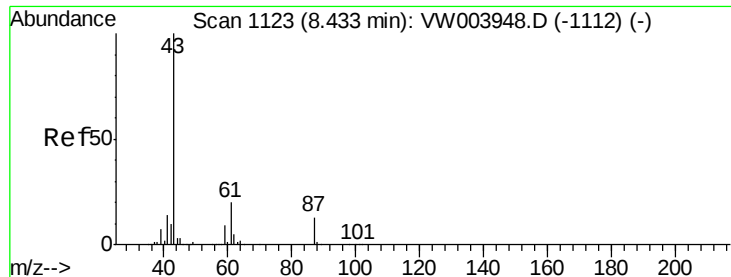
#42
1,2-Dichloroethane
Concen: 143.473 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion:	62	Resp:	505994
Ion	Ratio	Lower	Upper
62	100		
98	9.2	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: 166.682 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

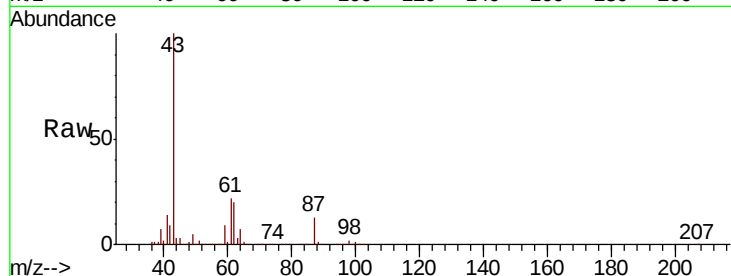
Tot Ion: 43 Resp: 539817

Ion Ratio Lower Upper

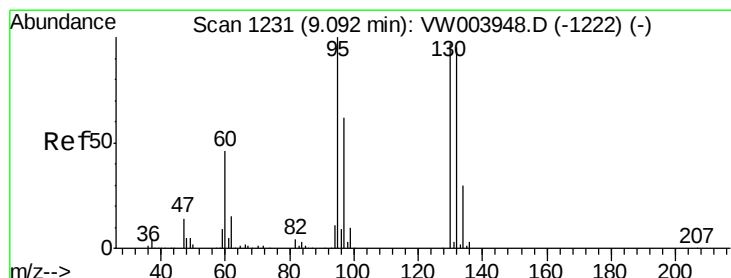
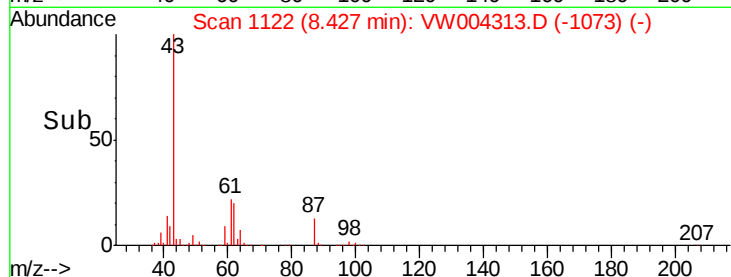
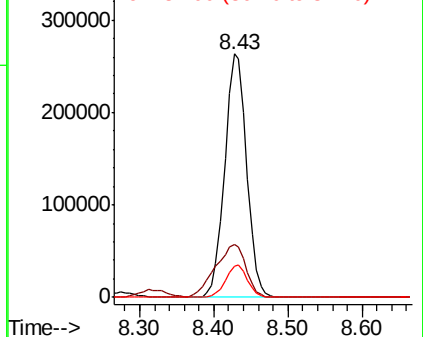
43 100

61 30.0 24.5 36.7

87 13.0 10.4 15.6



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: 142.134 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW004313.D

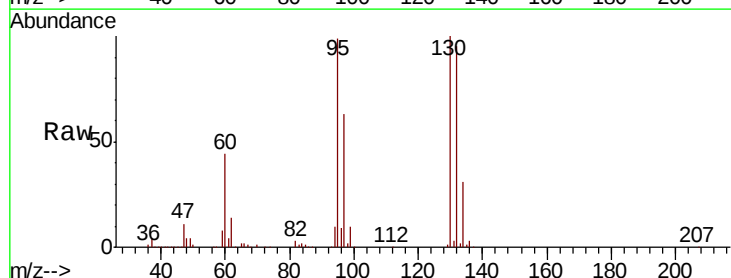
Acq: 29 Jul 2018 14:21

Tgt Ion:130 Resp: 473363

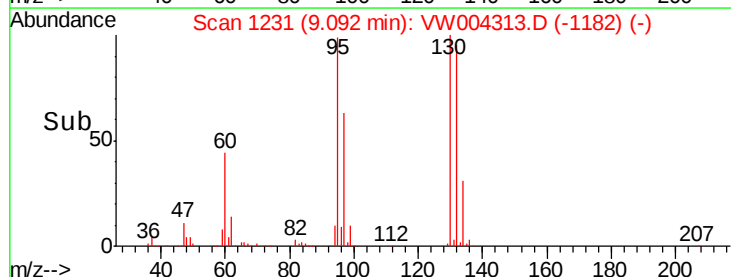
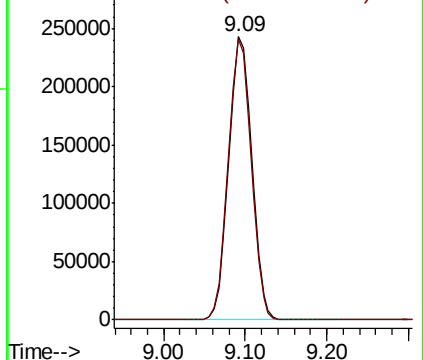
Ion Ratio Lower Upper

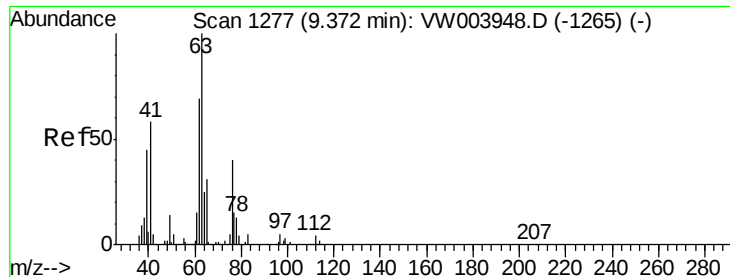
130 100

95 99.2 0.0 199.4



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

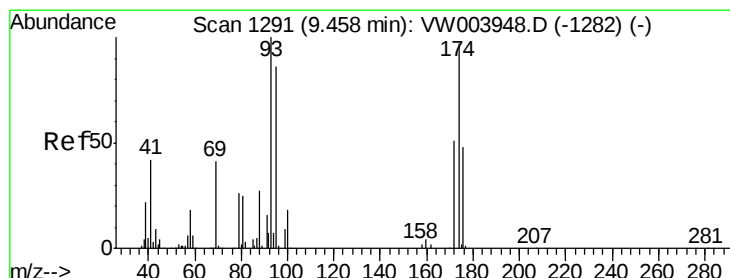
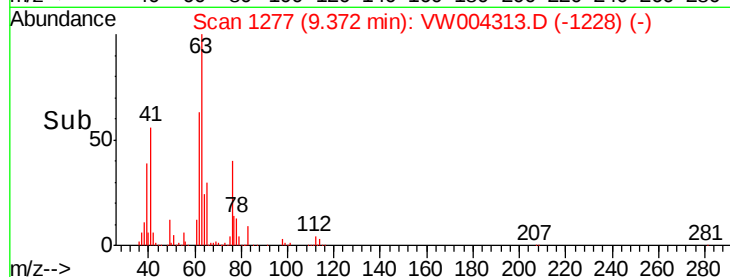
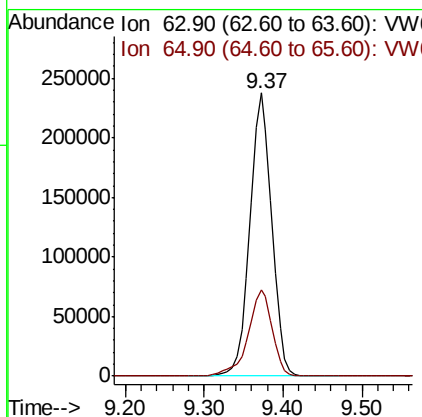
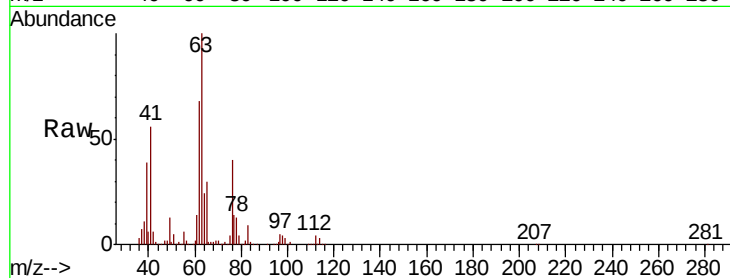




#45
 1,2-Dichloropropane
 Concen: 149.124 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

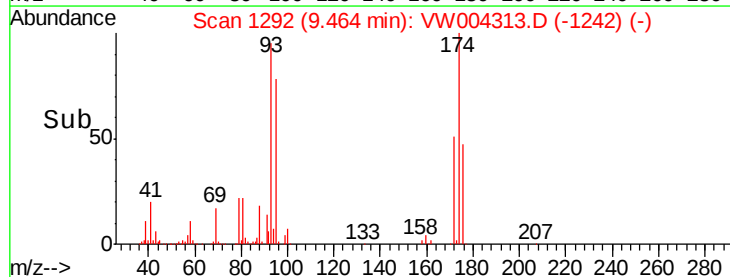
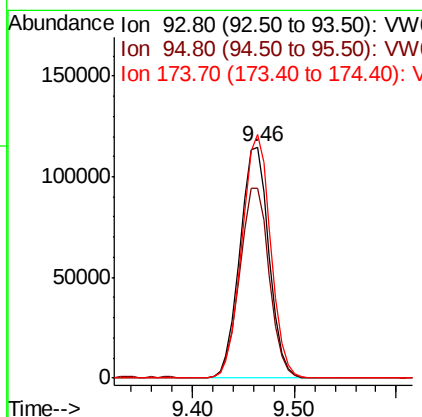
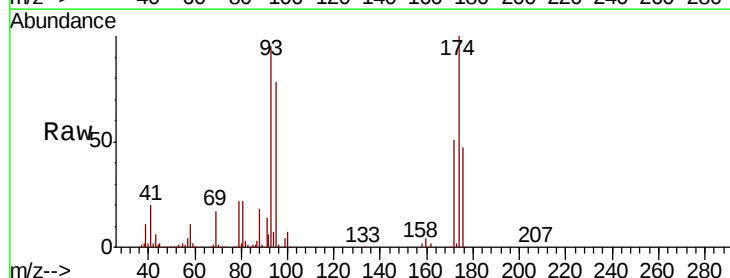
Instrument :
 MSVOA_W
 ClientSampleId :

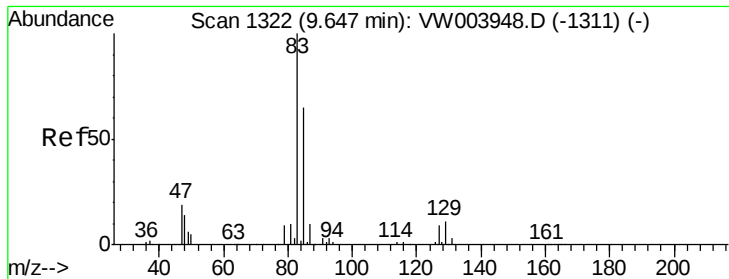
Tot Ion: 63 Resp: 456490
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.9 35.9



#46
 Dibromomethane
 Concen: 145.235 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Tgt Ion: 93 Resp: 227017
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.8 98.8
 174 104.5 83.7 125.5

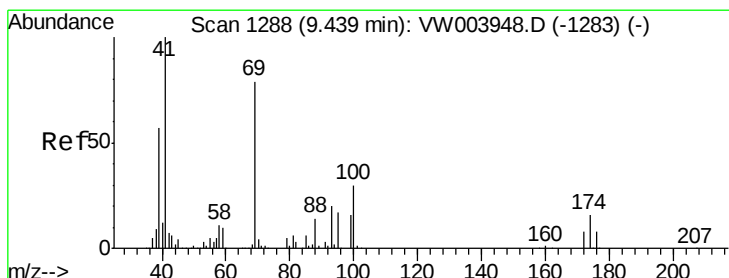
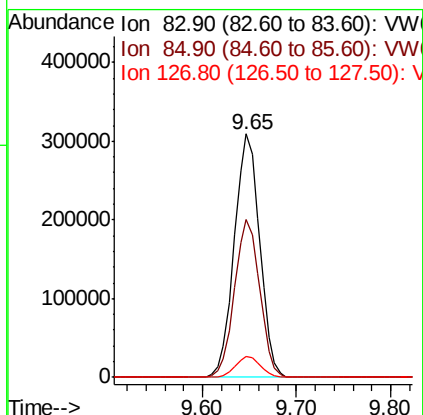
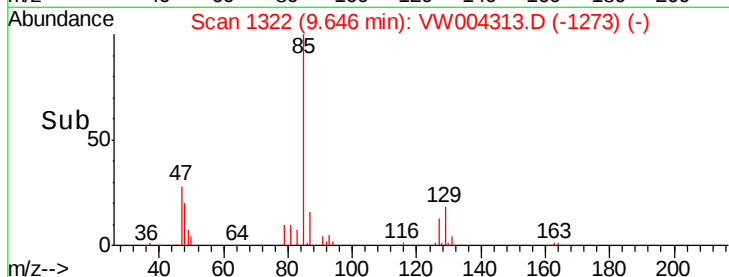
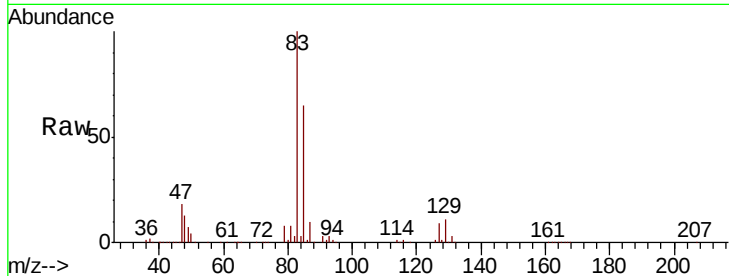




#47
Bromodichloromethane
Concen: 146.056 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

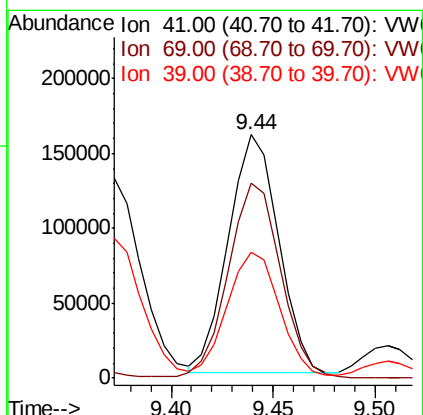
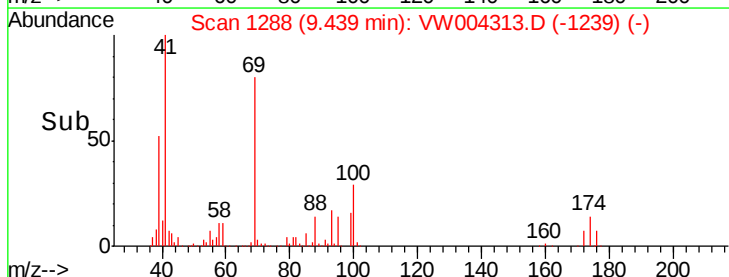
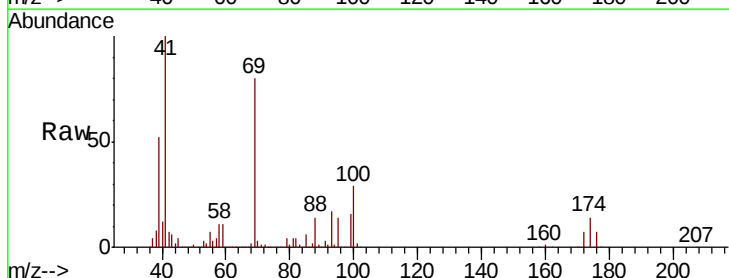
Instrument :
MSVOA_W
ClientSampleId :

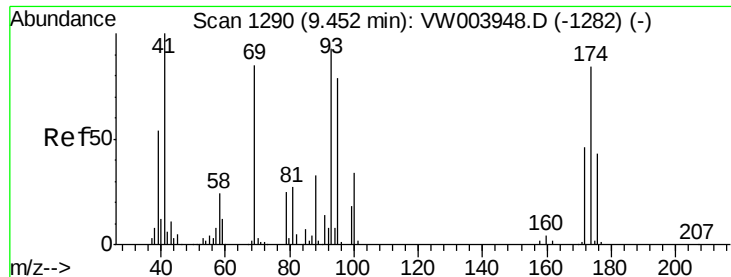
Tot Ion: 83 Resp: 579068
Ion Ratio Lower Upper
83 100
85 64.9 51.3 76.9
127 8.5 6.6 9.8



#48
Methyl methacrylate
Concen: 163.874 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion: 41 Resp: 270295
Ion Ratio Lower Upper
41 100
69 86.6 69.7 104.5
39 56.4 41.8 62.8

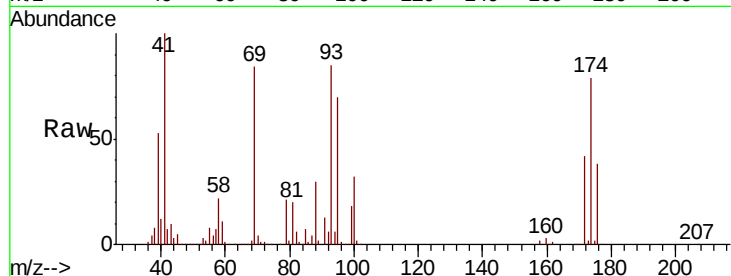




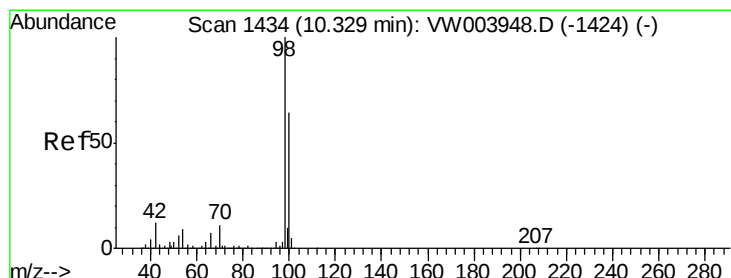
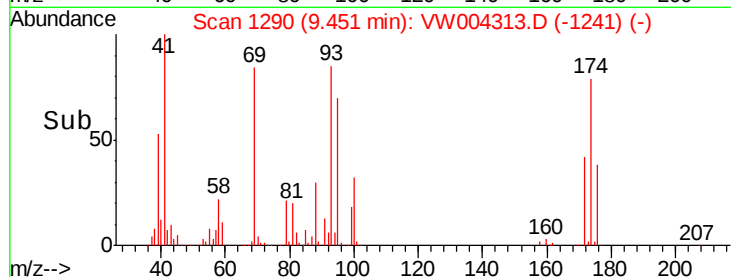
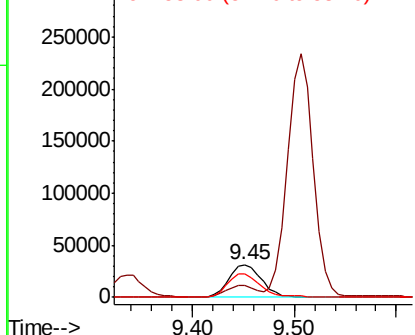
#49
1,4-Dioxane
Concen: 2908.341 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 68916
Ion Ratio Lower Upper
88 100
43 32.6 28.3 42.5
58 74.9 60.2 90.4

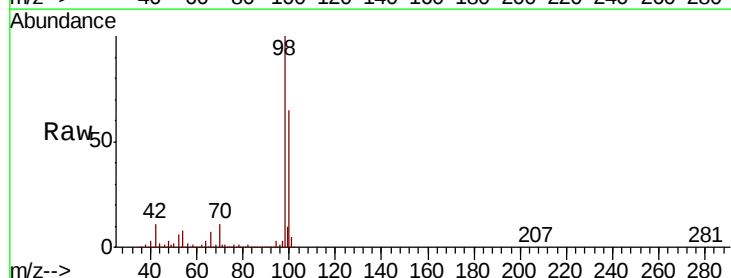


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

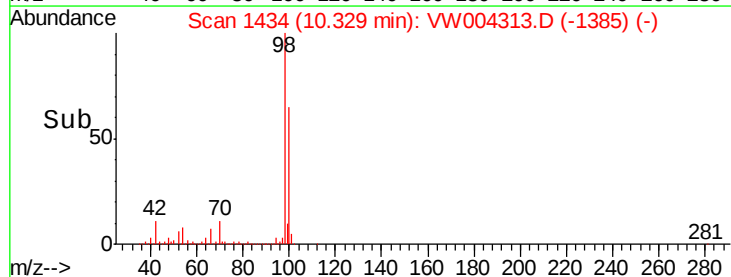
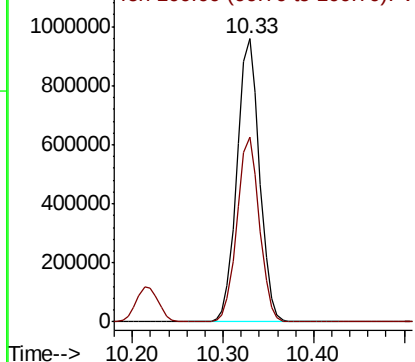


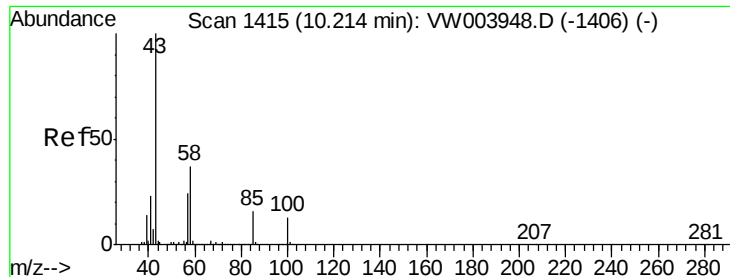
#50
Toluene-d8
Concen: 150.488 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion: 98 Resp: 1647508
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3



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





#51

4-Methyl-2-Pentanone

Concen: 792.519 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

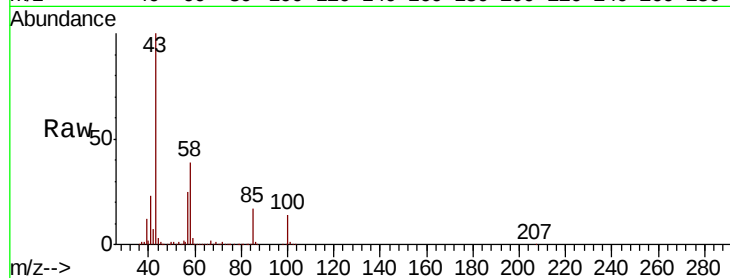
ClientSampled :

Tot Ion: 43 Resp: 1408642

Ion Ratio Lower Upper

43 100

58 38.7 30.6 45.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

800000

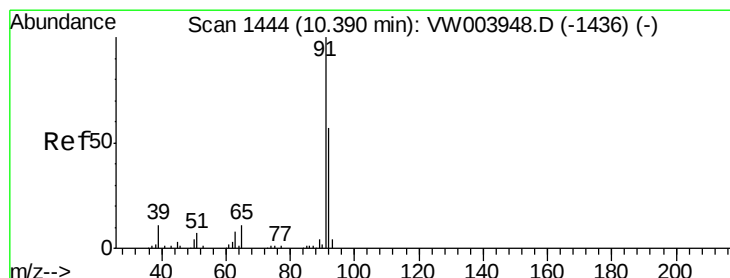
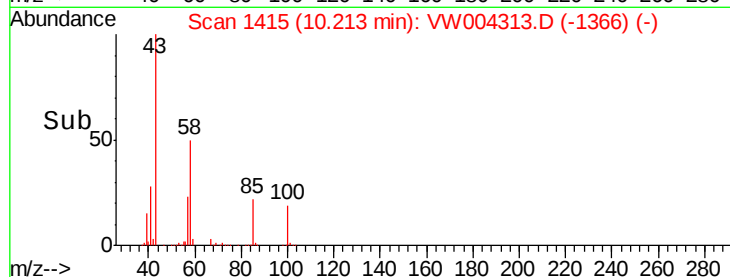
600000

400000

200000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 145.881 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004313.D

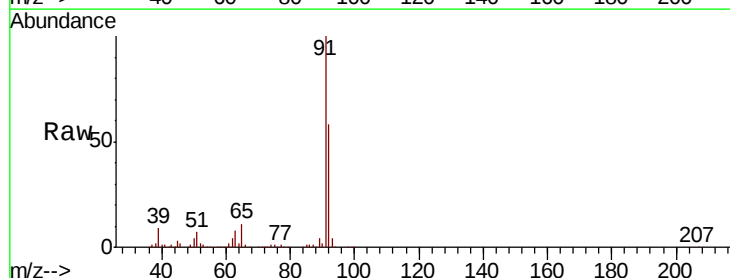
Acq: 29 Jul 2018 14:21

Tgt Ion: 92 Resp: 1129869

Ion Ratio Lower Upper

92 100

91 174.3 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

1200000

1000000

800000

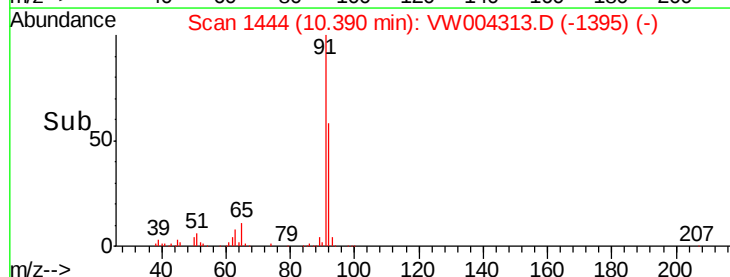
600000

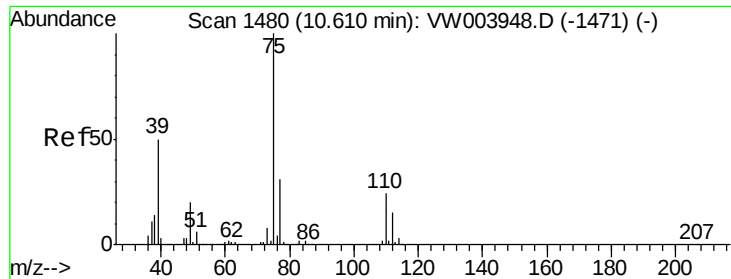
400000

200000

0

Time--> 10.30 10.40





#53

t-1,3-Dichloropropene

Concen: 154.633 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

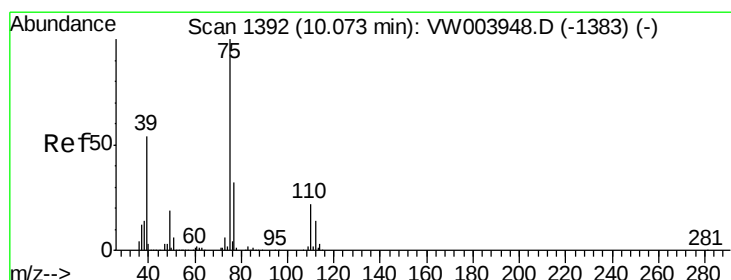
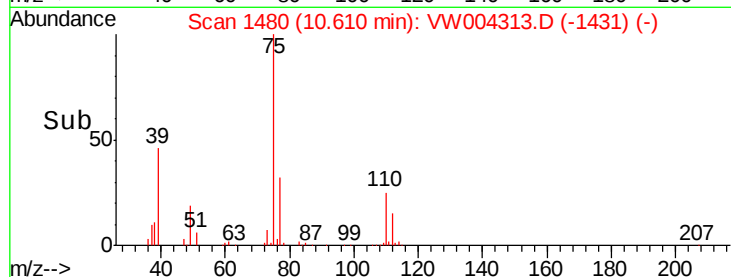
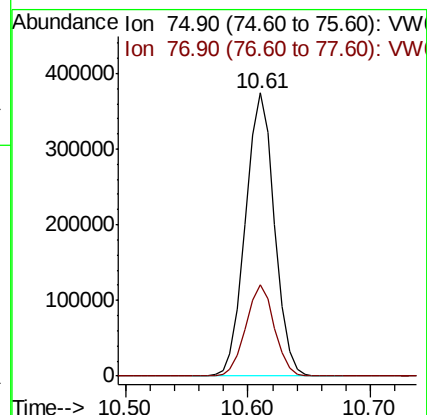
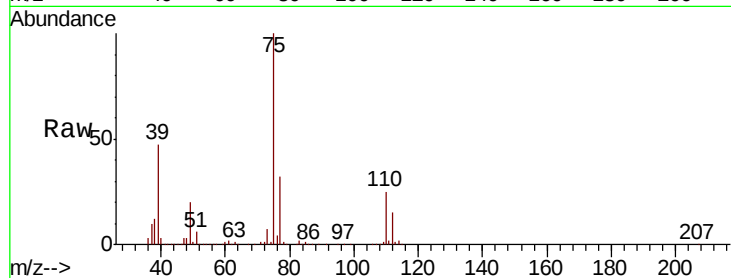
ClientSampleId :

Tot Ion: 75 Resp: 614031

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 153.274 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

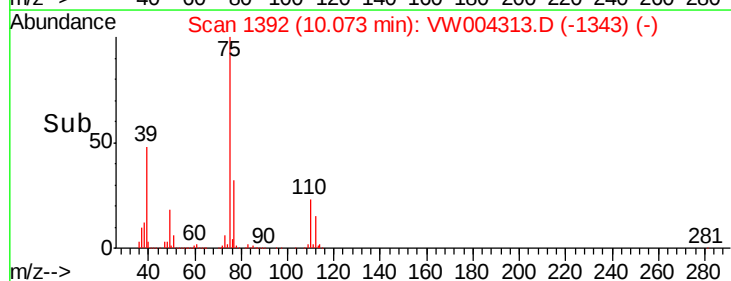
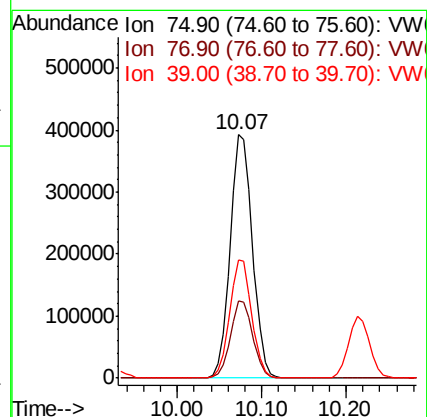
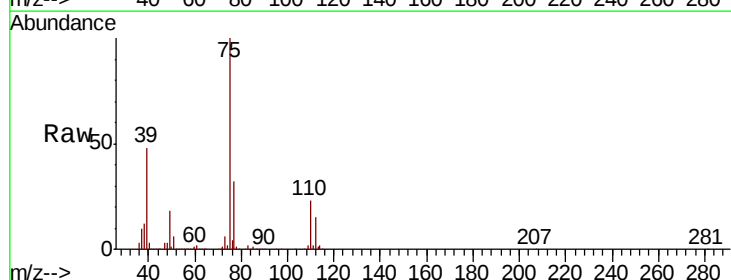
Tgt Ion: 75 Resp: 709550

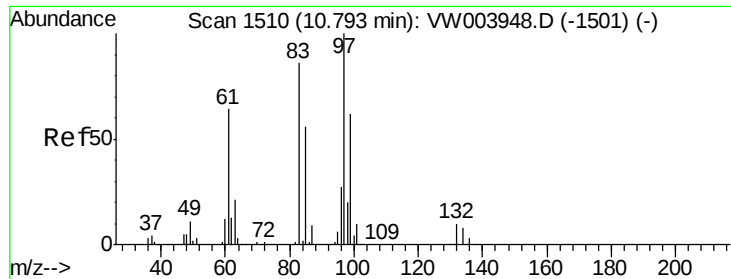
Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4

39 48.3 39.0 58.6

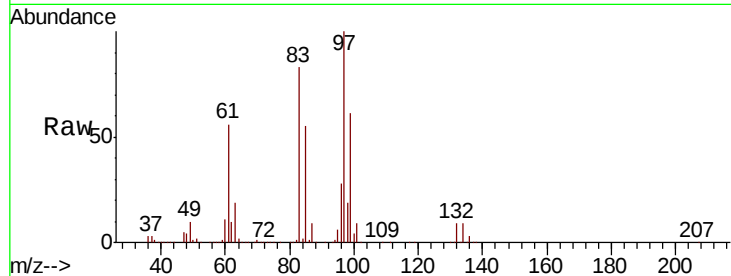




#55
 1,1,2-Trichloroethane
 Concen: 144.172 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	97	Resp	321088
Ion Ratio	Lower	Upper	
97	100		
83	82.6	70.8	106.2
85	54.6	43.7	65.5
99	60.8	45.1	67.7



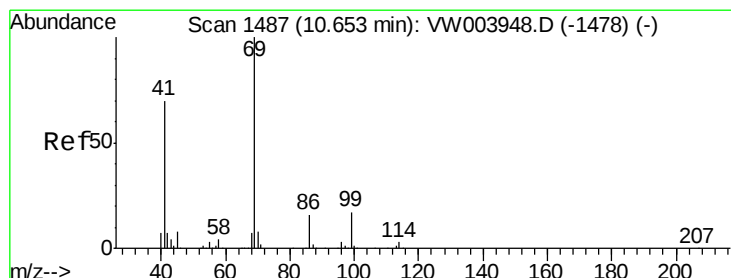
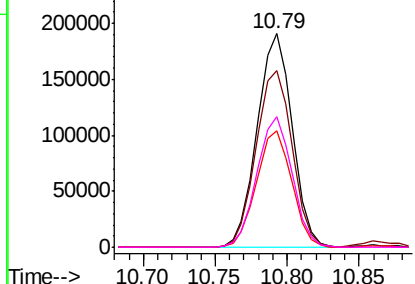
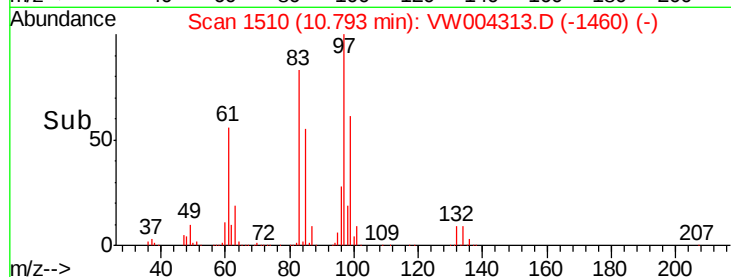
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

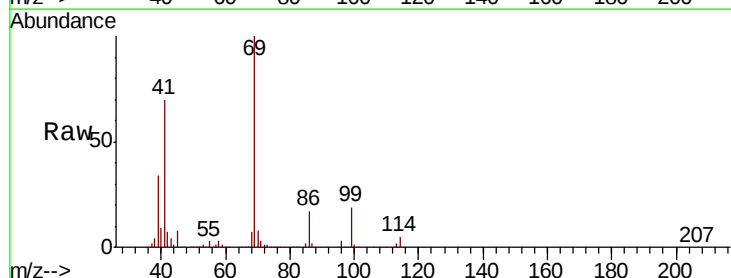
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 162.253 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Tgt Ion	69	Resp	437286
Ion Ratio	Lower	Upper	
69	100		
41	70.2	54.7	82.1
39	31.4	24.4	36.6

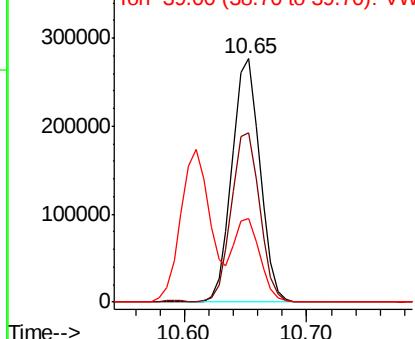
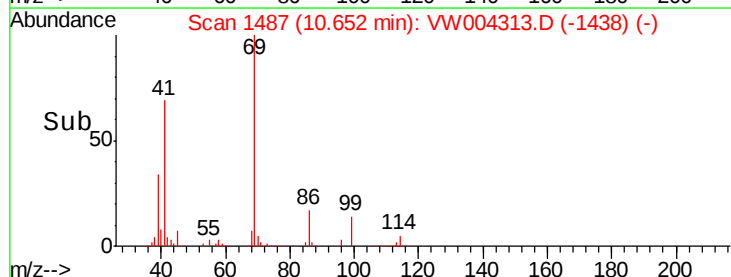


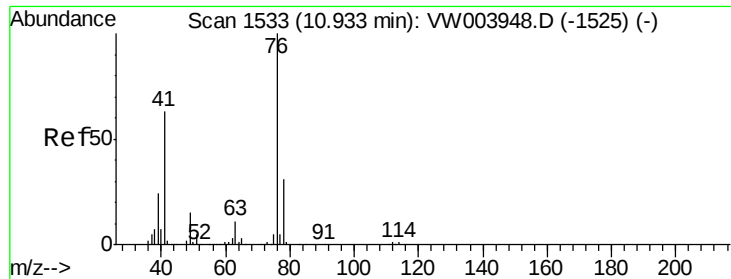
Abundance

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

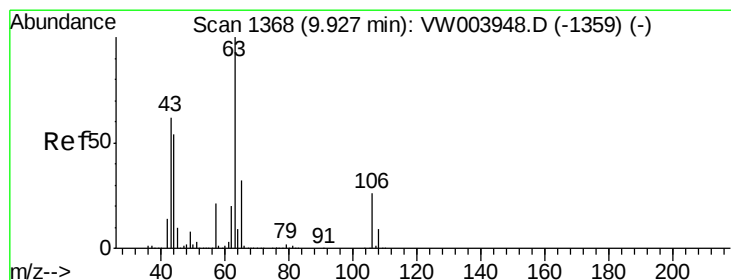
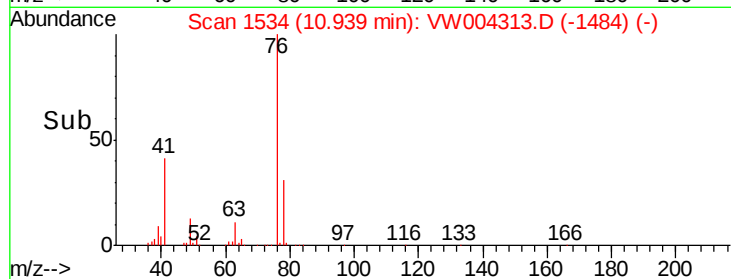
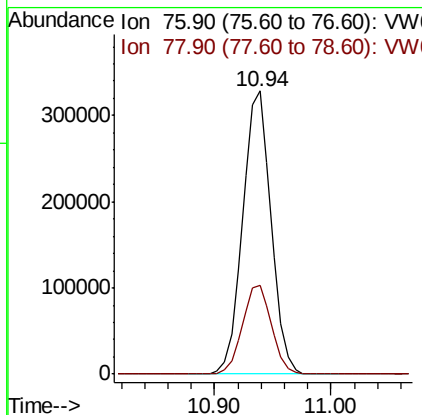
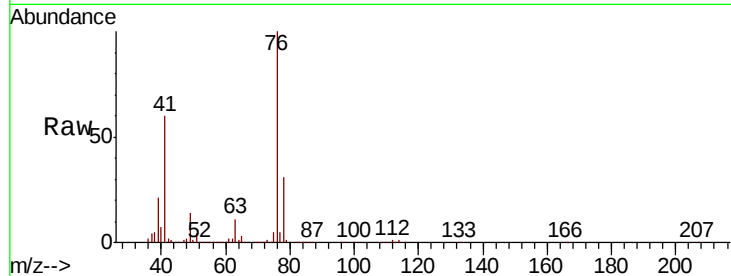




#57
 1,3-Dichloropropane
 Concen: 146.705 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

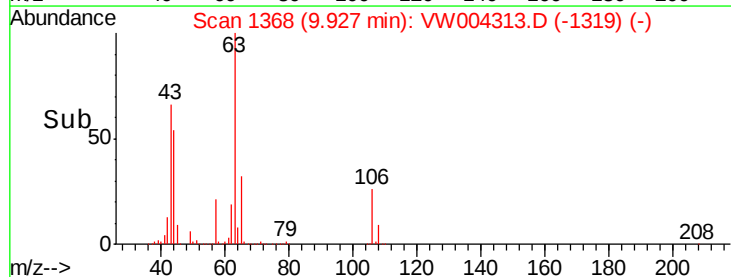
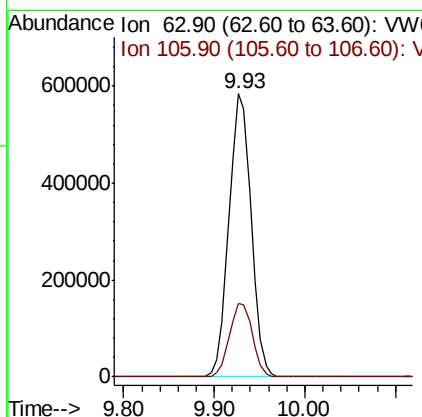
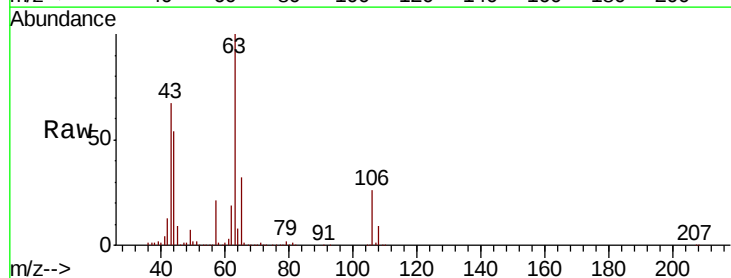
Instrument :
 MSVOA_W
 ClientSampled :

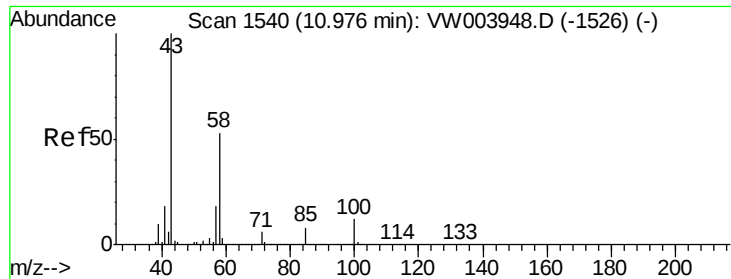
Tot Ion: 76 Resp: 556651
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 828.303 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Tgt Ion: 63 Resp: 991650
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.9 32.9

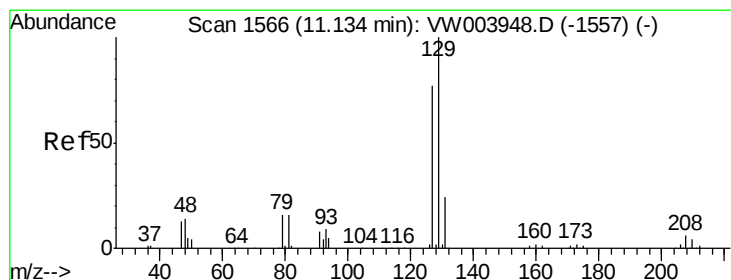
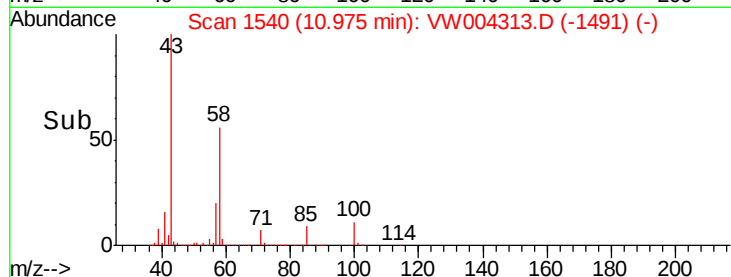
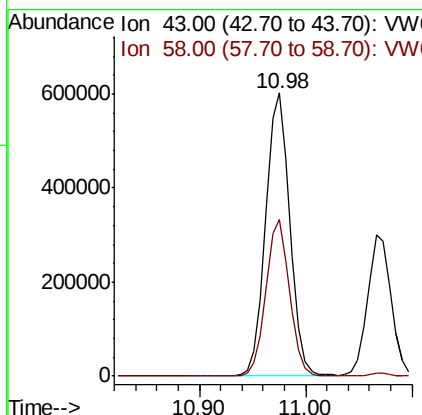
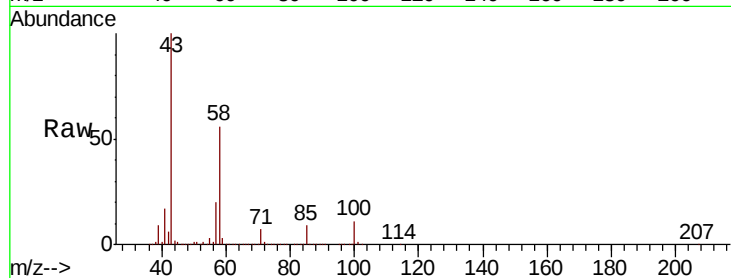




#59
2-Hexanone
Concen: 783.017 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

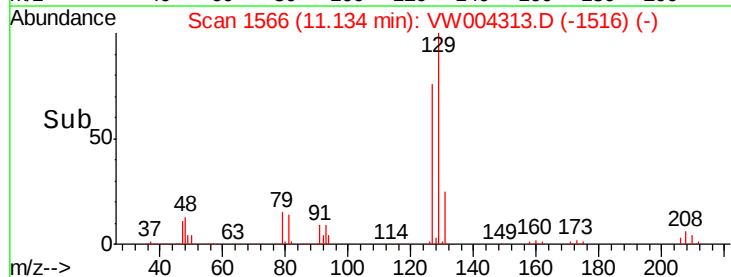
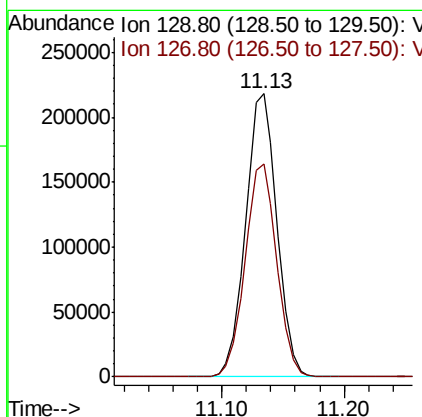
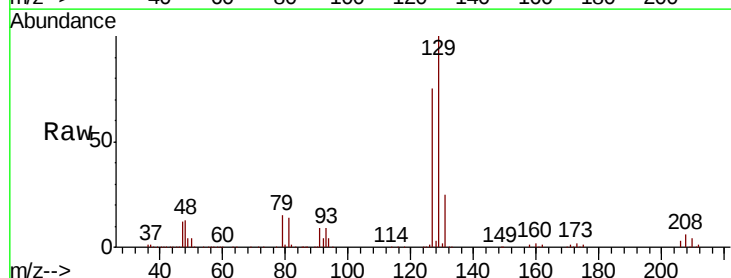
Instrument :
MSVOA_W
ClientSampleId :

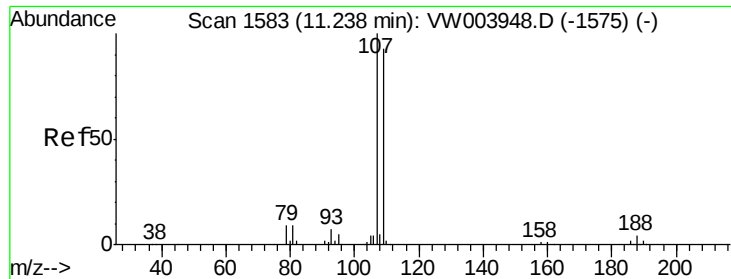
Tot Ion: 43 Resp: 955630
Ion Ratio Lower Upper
43 100
58 54.3 26.5 79.4



#60
Dibromochloromethane
Concen: 145.353 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion:129 Resp: 387341
Ion Ratio Lower Upper
129 100
127 76.2 38.9 116.7

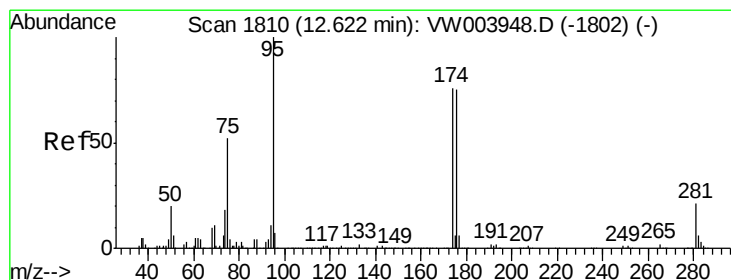
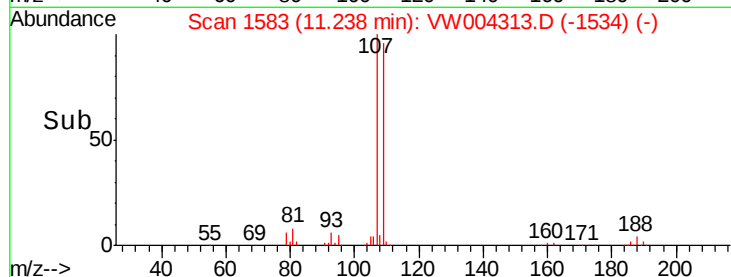
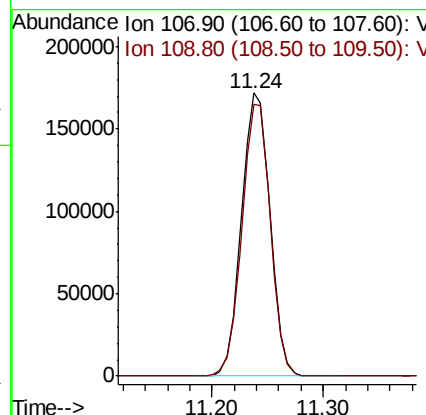
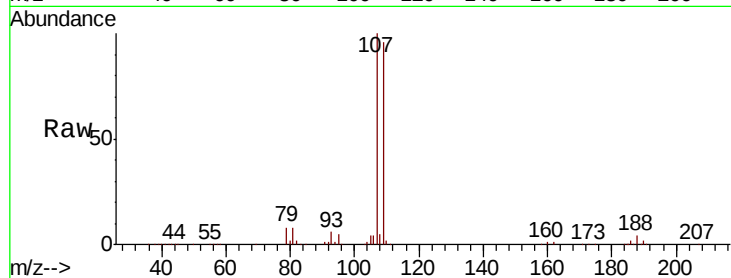




#61
 1,2-Dibromoethane
 Concen: 143.540 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

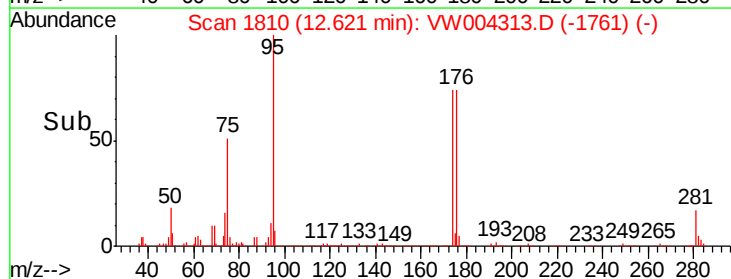
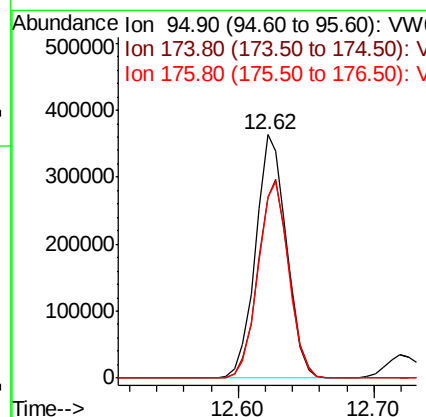
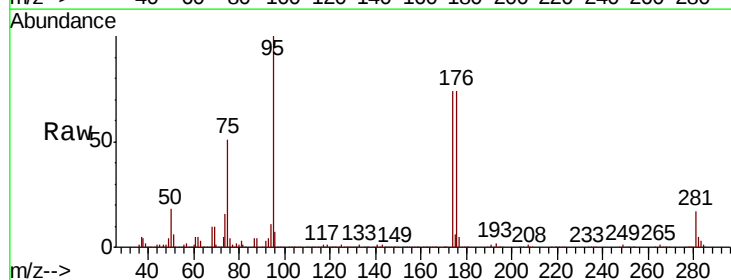
Instrument :
 MSVOA_W
 ClientSampleId :

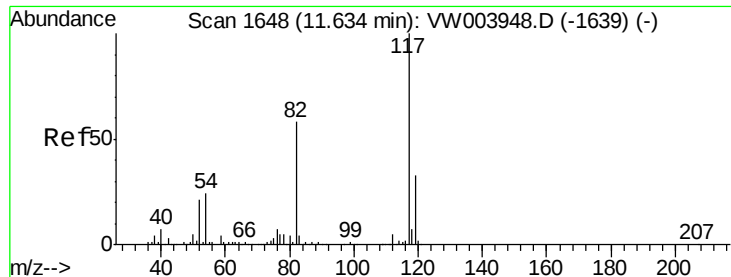
Tot Ion:107 Resp: 304845
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 149.684 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Tgt Ion: 95 Resp: 576989
 Ion Ratio Lower Upper
 95 100
 174 81.9 0.0 167.8
 176 80.2 0.0 162.4

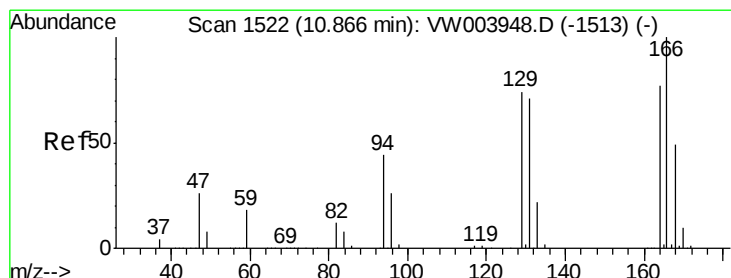
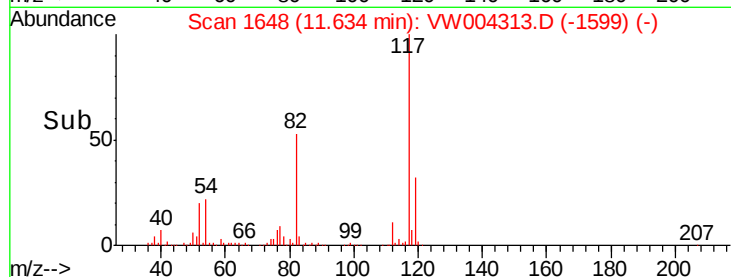
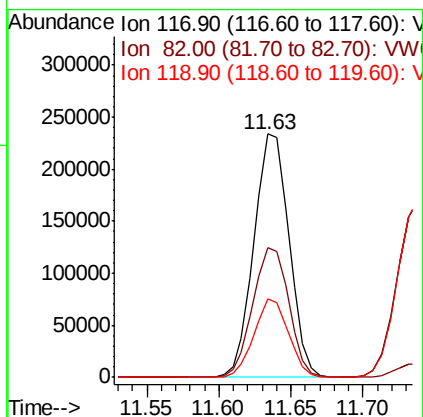
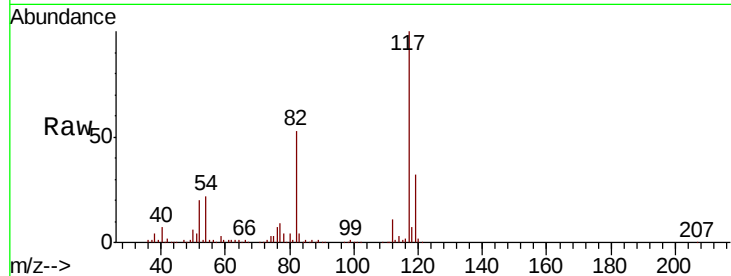




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

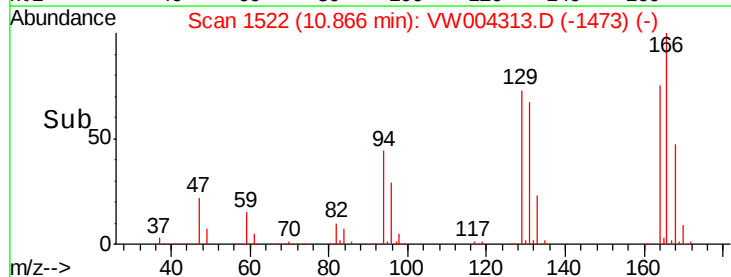
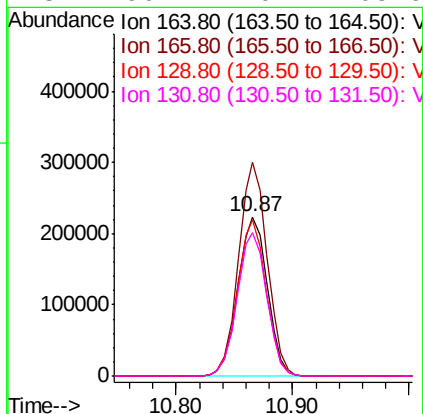
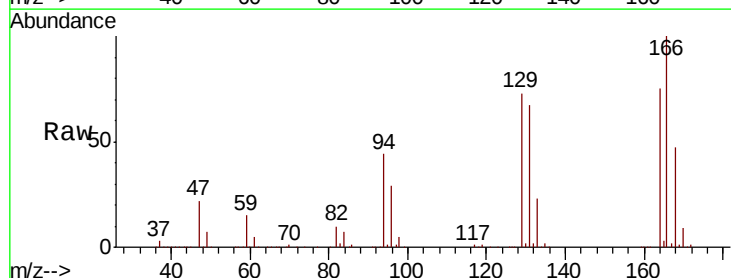
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 394211
Ion Ratio Lower Upper
117 100
82 53.3 47.9 71.9
119 32.4 27.1 40.7



#64
Tetrachloroethene
Concen: 136.115 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion:164 Resp: 393119
Ion Ratio Lower Upper
164 100
166 134.2 103.2 154.8
129 97.8 72.1 108.1
131 90.1 70.4 105.6

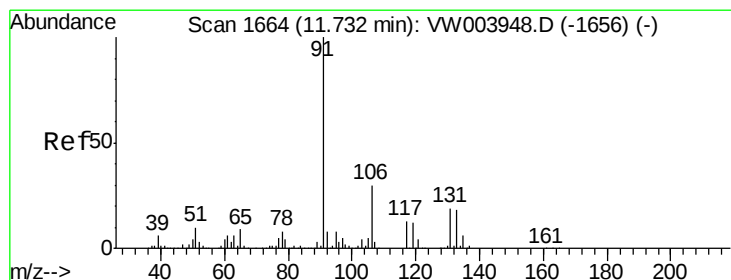
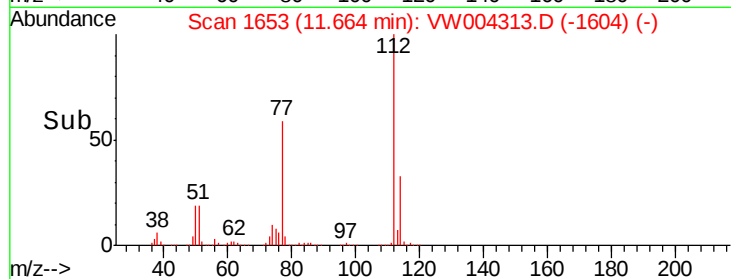
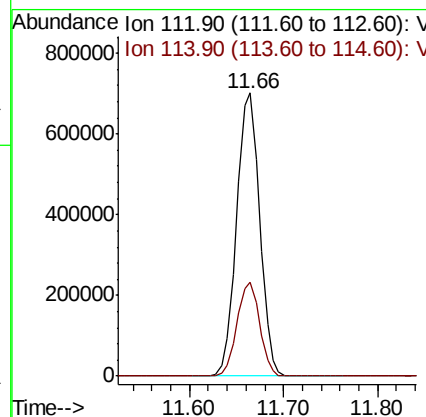
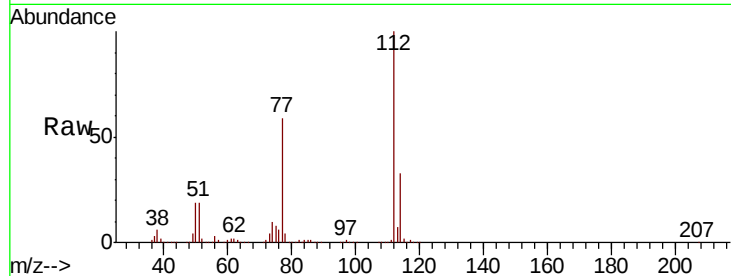




#65
Chlorobenzene
Concen: 144.034 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

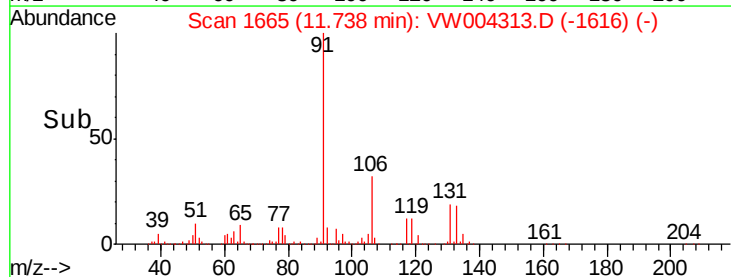
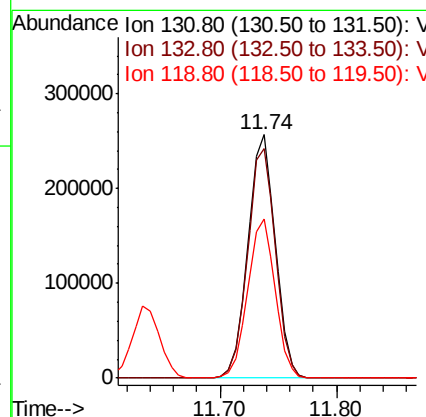
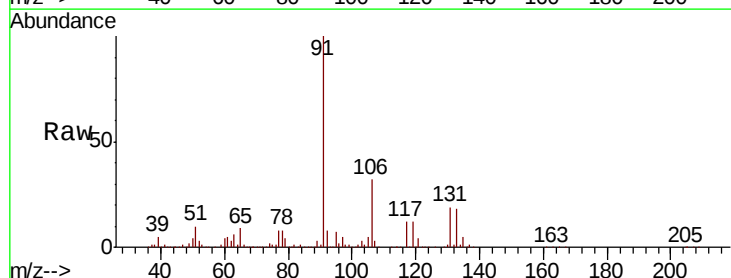
Instrument :
MSVOA_W
ClientSampled :

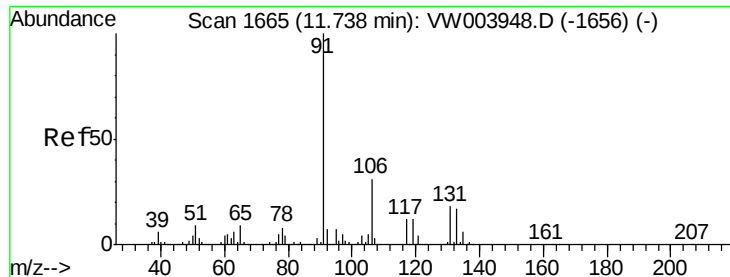
Tot Ion:112 Resp: 1192503
Ion Ratio Lower Upper
112 100
114 33.0 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 144.747 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion:131 Resp: 422676
Ion Ratio Lower Upper
131 100
133 95.9 48.6 145.9
119 65.5 33.1 99.5

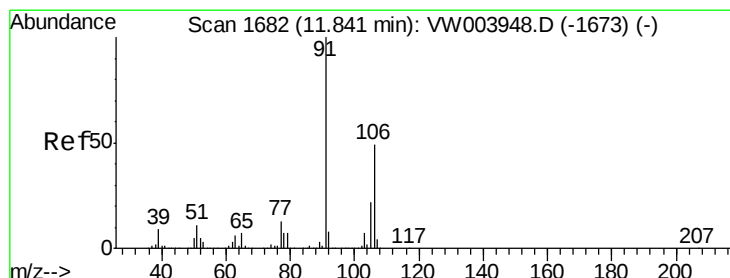
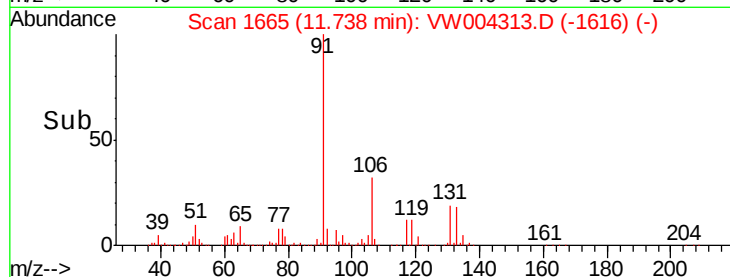
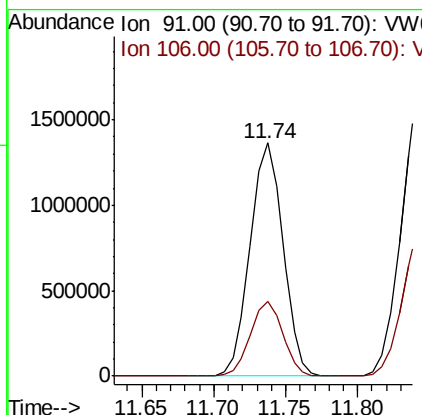
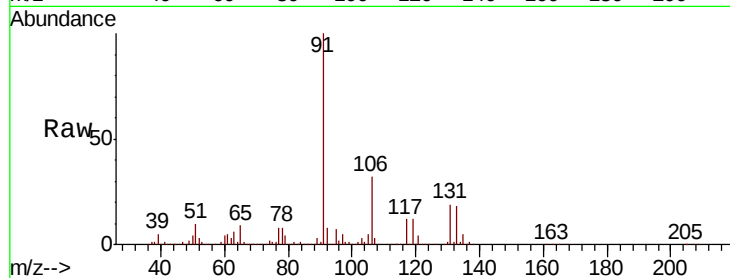




#67
Ethyl Benzene
Concen: 149.306 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

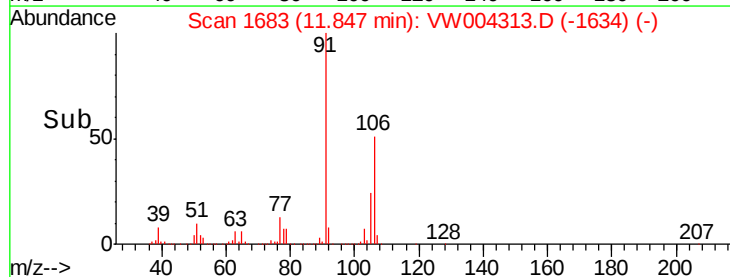
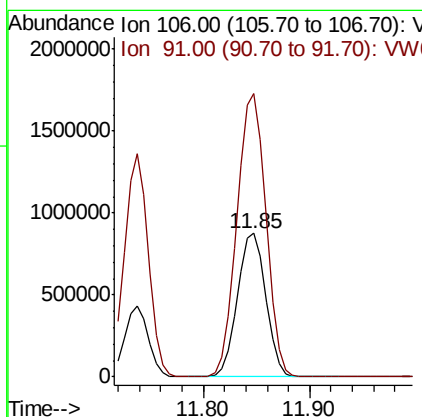
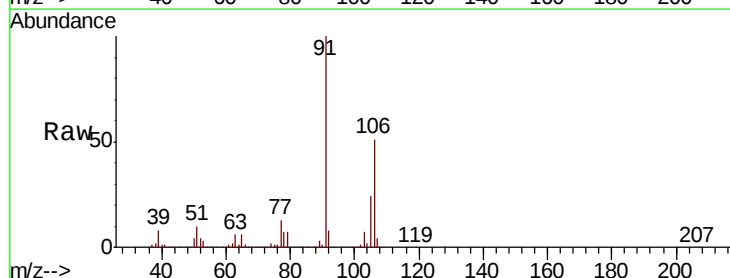
Instrument :
MSVOA_W
ClientSampled :

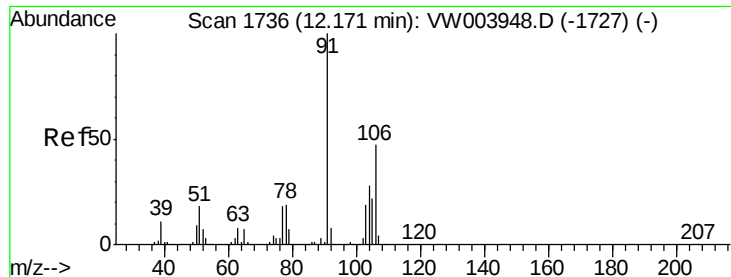
Tot Ion: 91 Resp: 2154793
Ion Ratio Lower Upper
91 100
106 31.9 26.1 39.1



#68
m/p-Xylenes
Concen: 296.634 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion: 106 Resp: 1647364
Ion Ratio Lower Upper
106 100
91 201.4 162.2 243.2

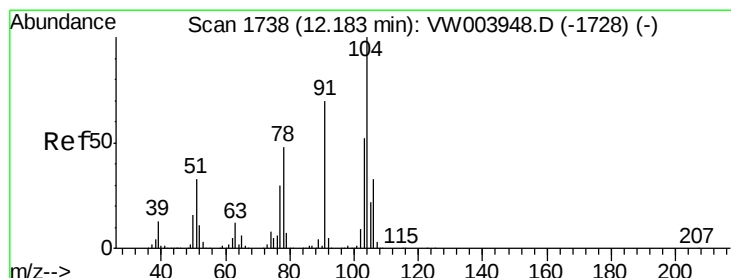
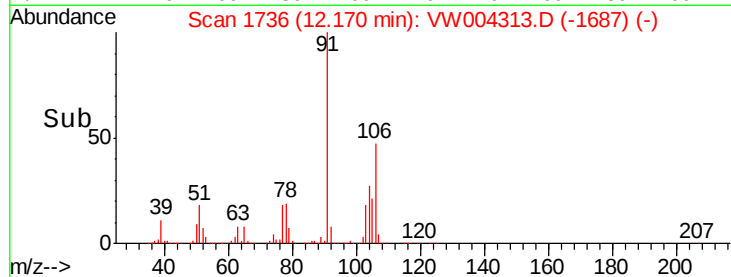
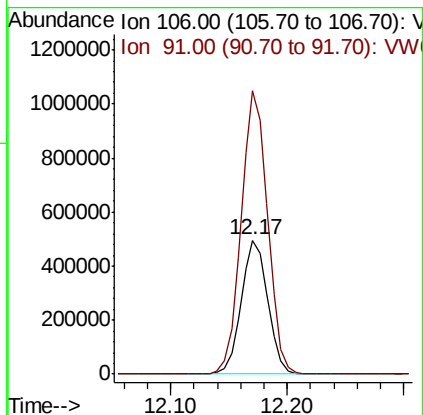
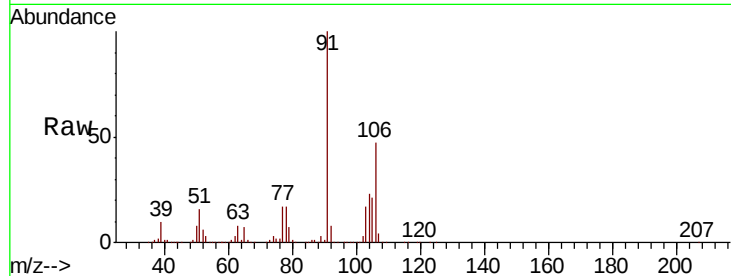




#69
o-Xylene
Concen: 152.627 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

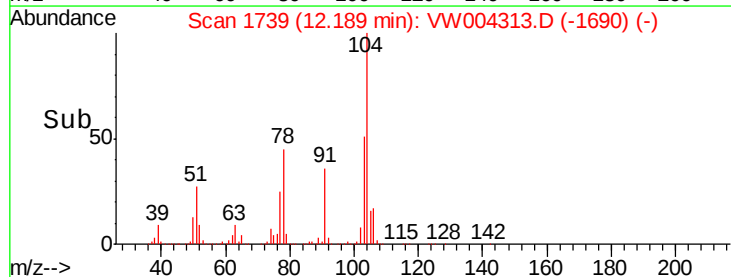
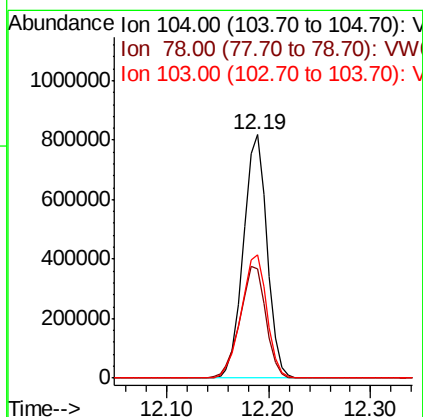
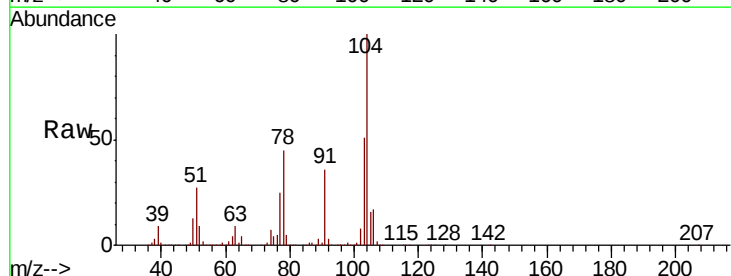
Instrument :
MSVOA_W
ClientSampled :

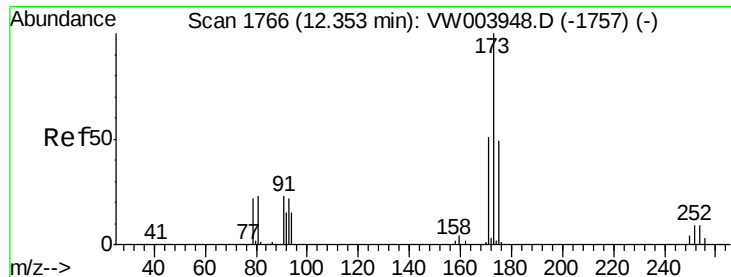
Tot Ion:106 Resp: 783174
Ion Ratio Lower Upper
106 100
91 211.5 108.7 326.1



#70
Styrene
Concen: 151.704 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion:104 Resp: 1315136
Ion Ratio Lower Upper
104 100
78 50.0 40.9 61.3
103 54.9 45.0 67.6





#71

Bromoform

Concen: 146.135 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

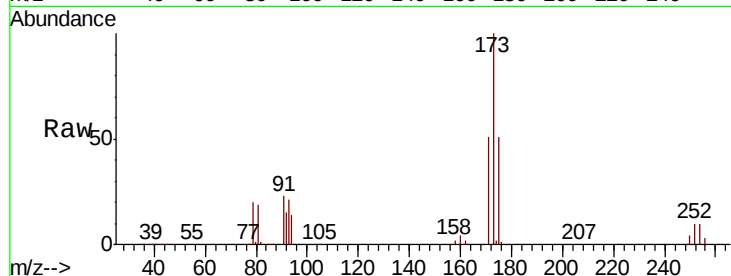
Tot Ion:173 Resp: 239154

Ion Ratio Lower Upper

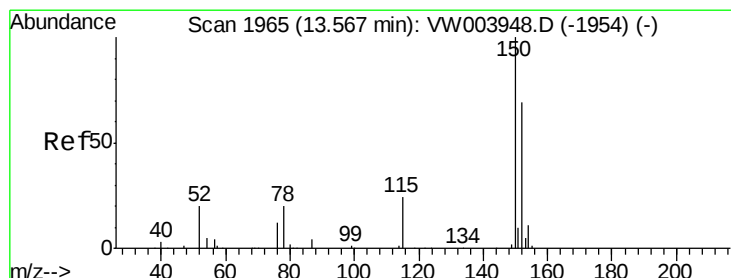
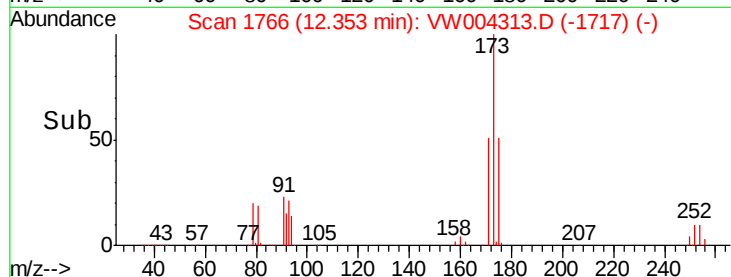
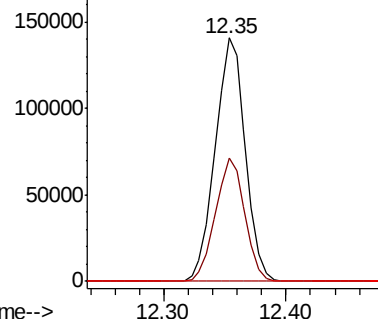
173 100

175 49.4 24.5 73.5

254 0.0 0.2 0.2#



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# 1965

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

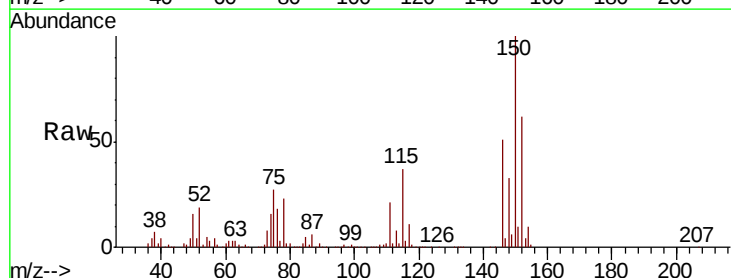
Tgt Ion:152 Resp: 200964

Ion Ratio Lower Upper

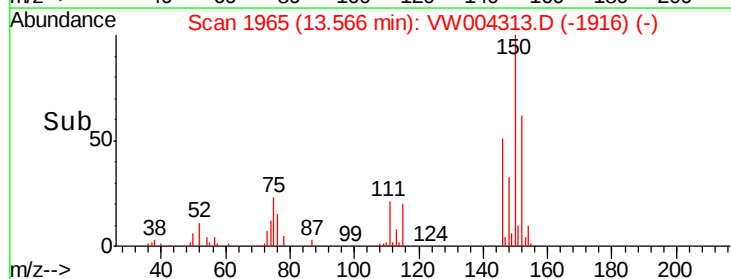
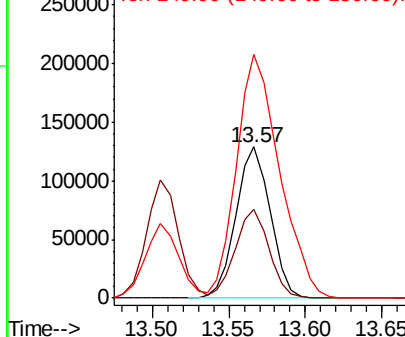
152 100

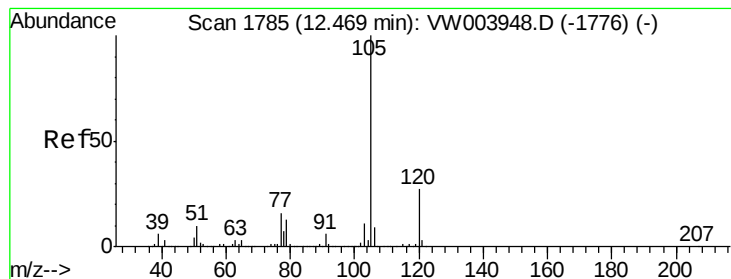
115 57.4 28.8 86.4

150 201.5 0.0 346.4



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





#73

Isopropylbenzene

Concen: 154.674 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

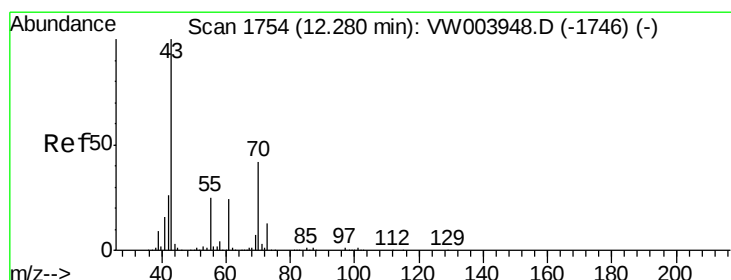
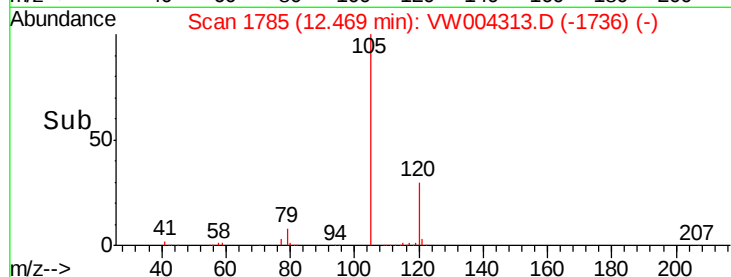
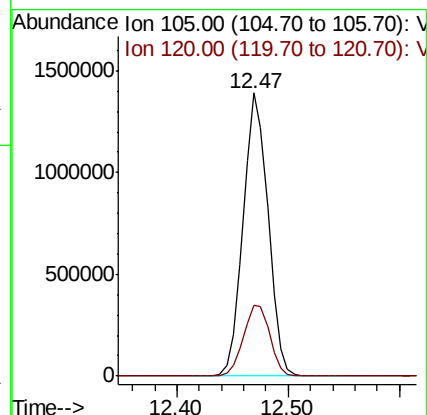
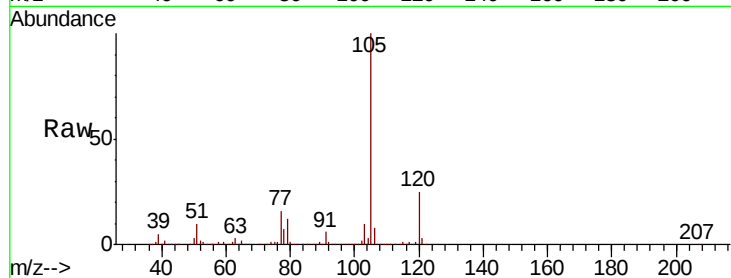
ClientSampleId :

Tot Ion:105 Resp: 2155342

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



#74

N-ethyl acetate

Concen: 165.973 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Tgt Ion: 43 Resp: 501158

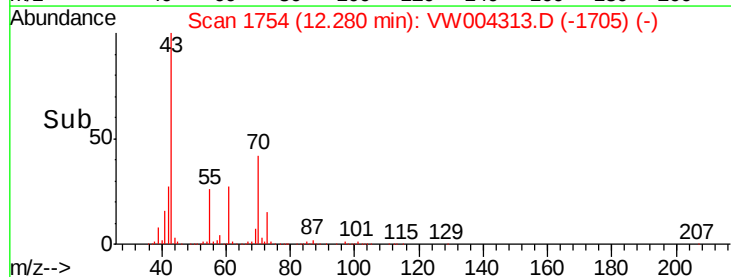
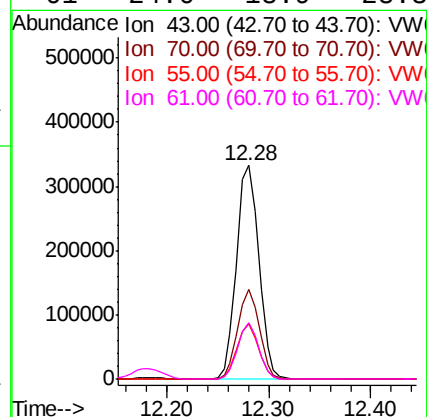
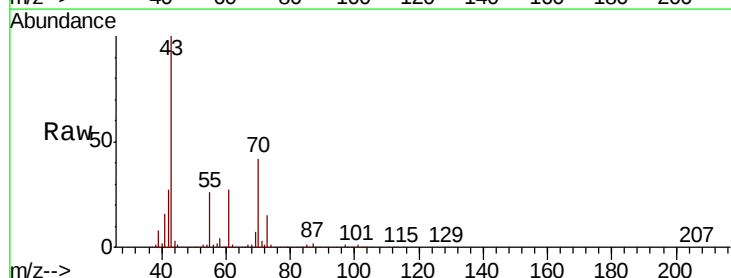
Ion Ratio Lower Upper

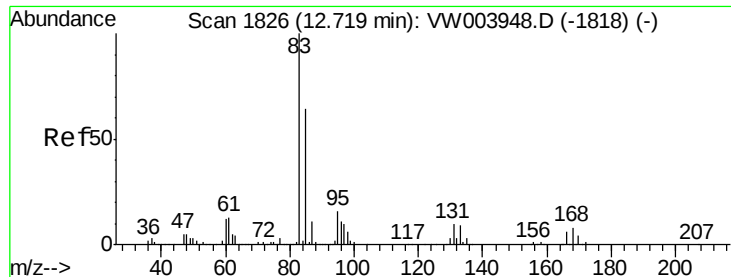
43 100

70 40.8 34.2 51.4

55 24.9 21.8 32.8

61 24.6 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 150.302 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

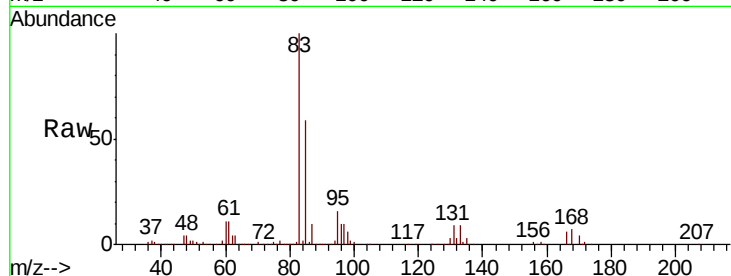
Tot Ion: 83 Resp: 366886

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

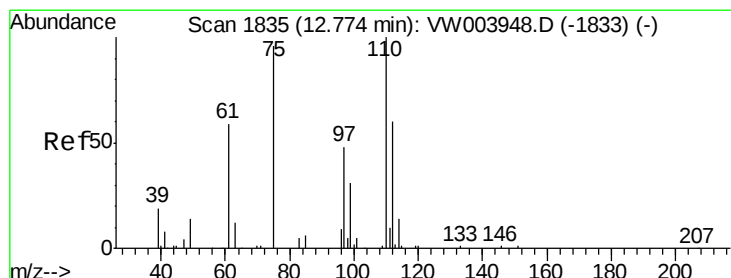
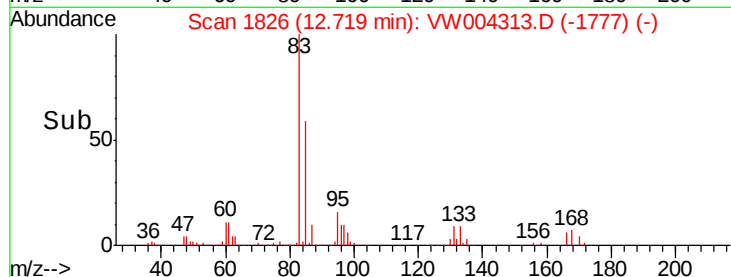
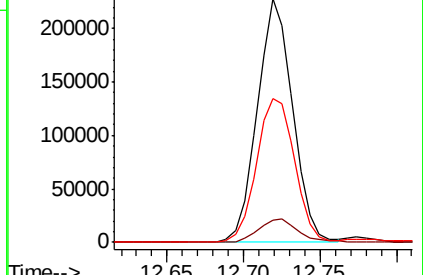
85 63.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 165.593 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004313.D

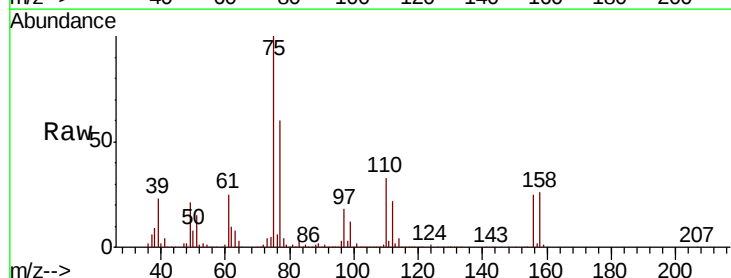
Acq: 29 Jul 2018 14:21

Tgt Ion: 75 Resp: 507177

Ion Ratio Lower Upper

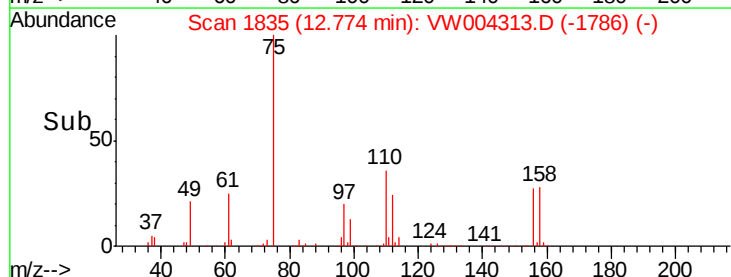
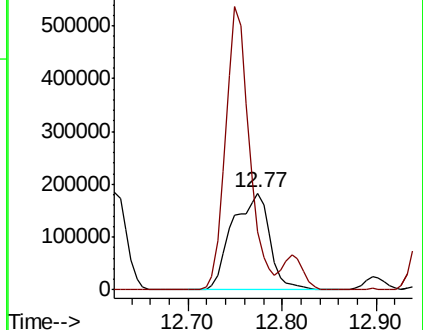
75 100

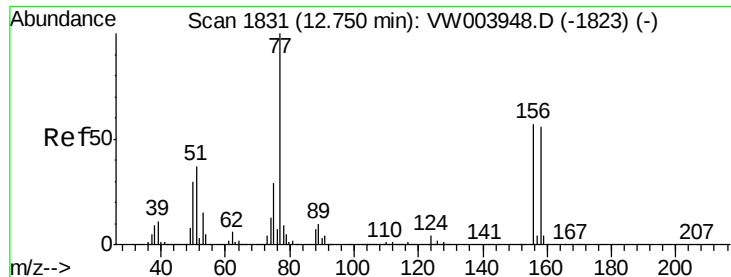
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 147.867 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

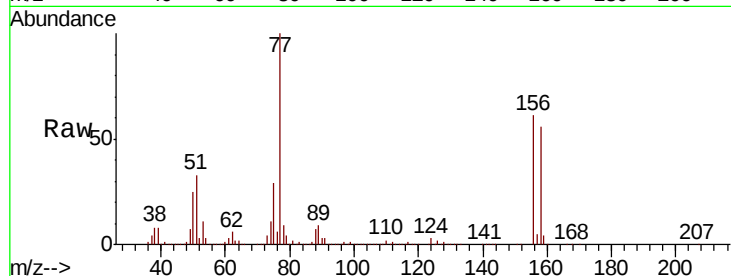
Tot Ion:156 Resp: 497855

Ion Ratio Lower Upper

156 100

77 190.1 92.9 278.7

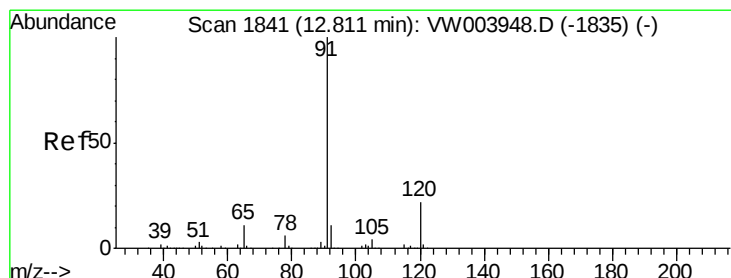
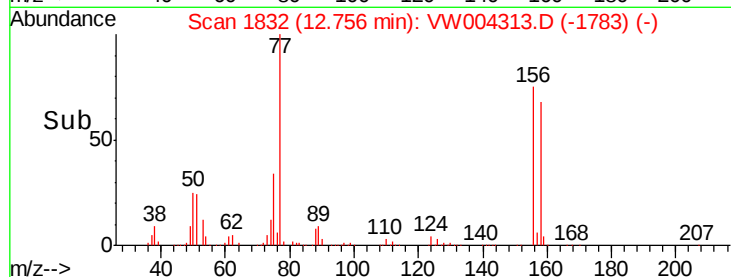
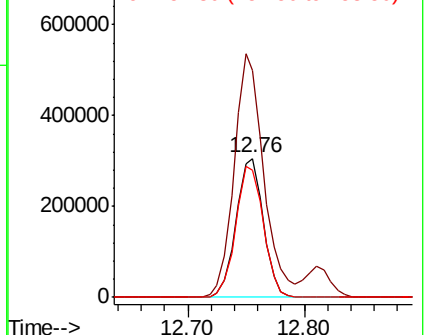
158 96.0 47.6 142.8



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: 151.843 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004313.D

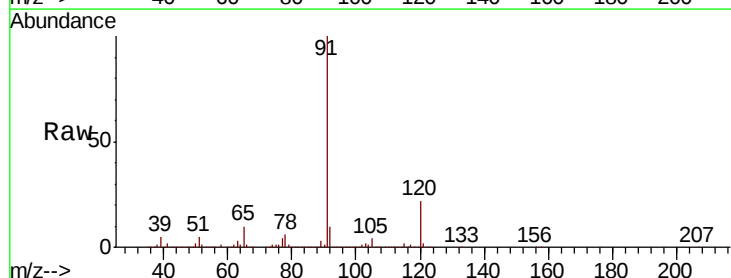
Acq: 29 Jul 2018 14:21

Tgt Ion: 91 Resp: 2577636

Ion Ratio Lower Upper

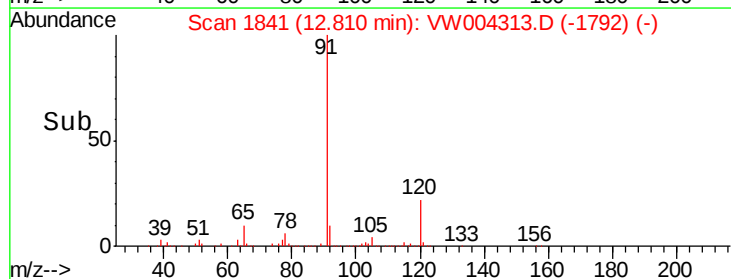
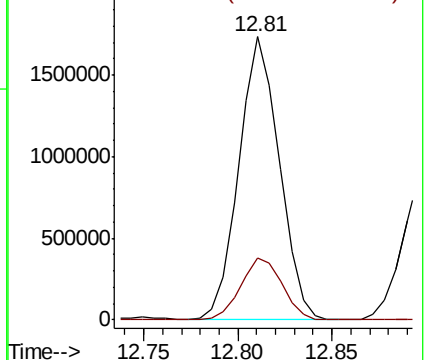
91 100

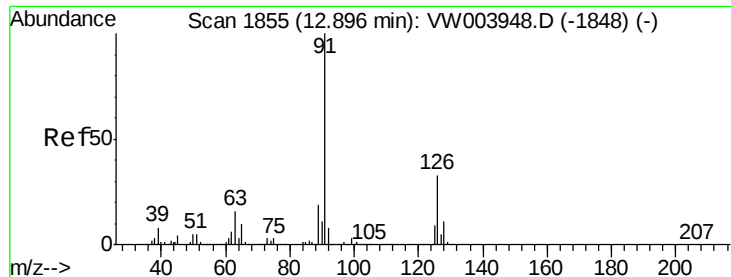
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 148.779 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

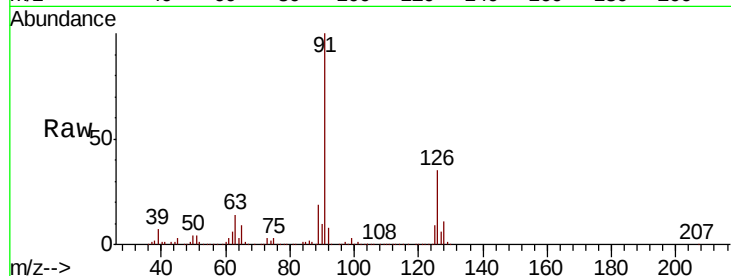
ClientSampled :

Tot Ion: 91 Resp: 1444576

Ion Ratio Lower Upper

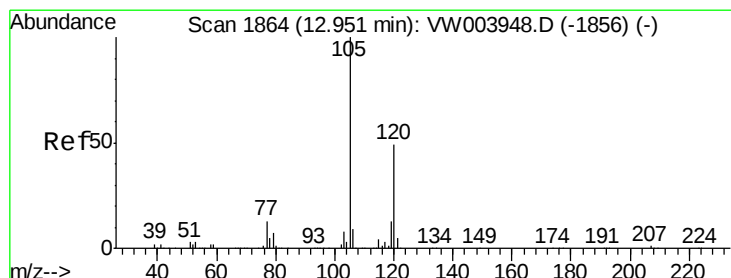
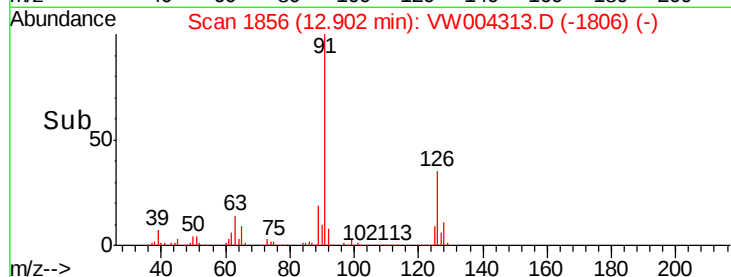
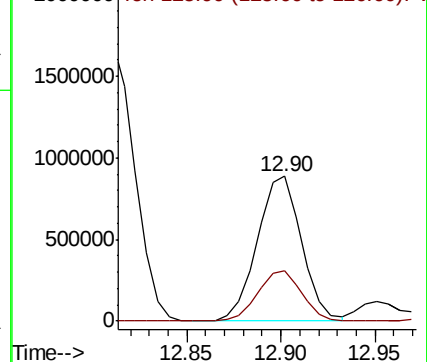
91 100

126 34.5 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 150.771 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004313.D

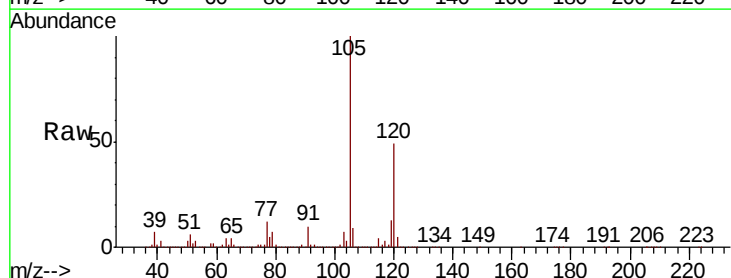
Acq: 29 Jul 2018 14:21

Tgt Ion:105 Resp: 1809913

Ion Ratio Lower Upper

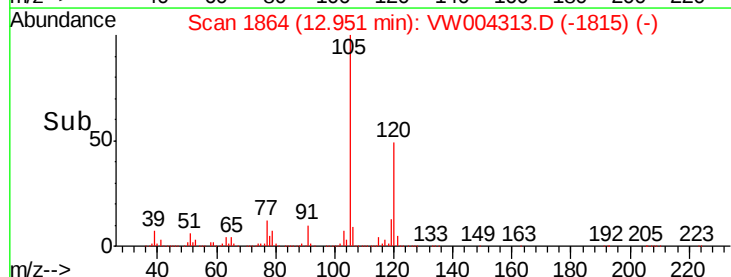
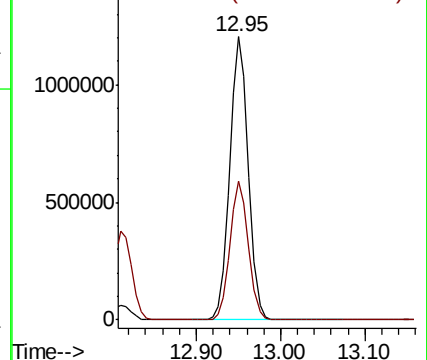
105 100

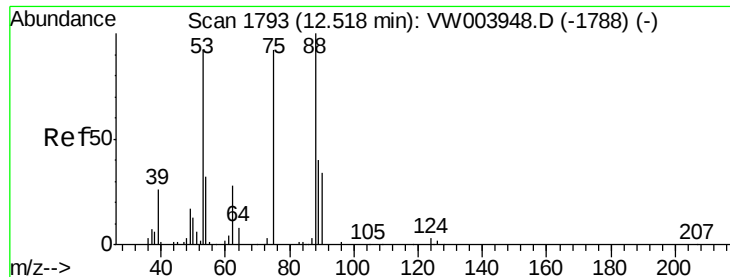
120 48.5 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 158.132 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

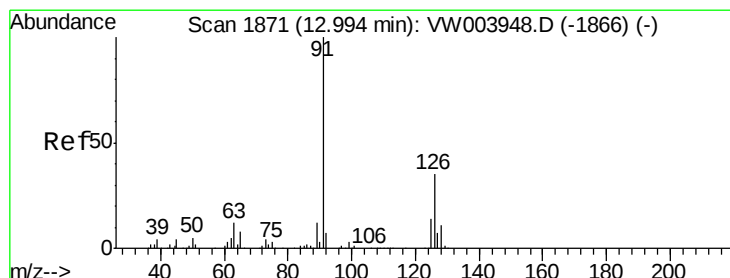
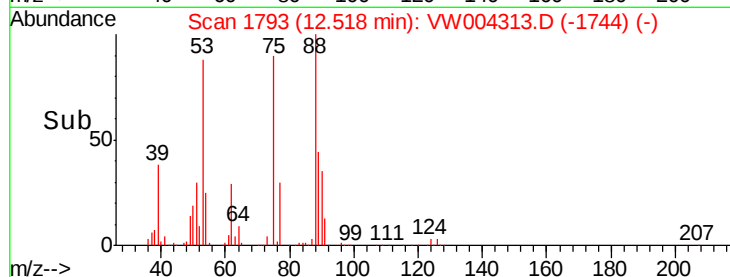
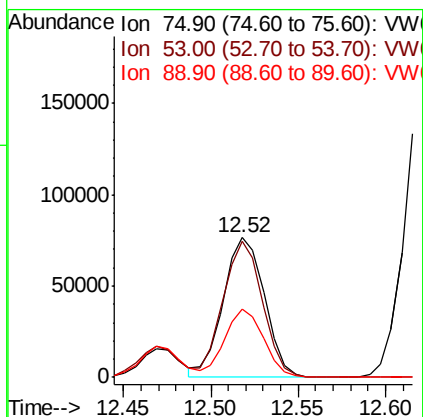
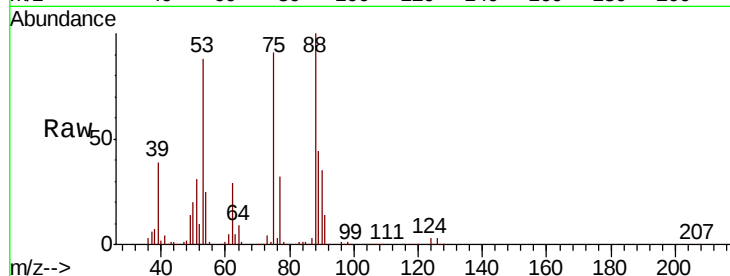
Tot Ion: 75 Resp: 124644

Ion Ratio Lower Upper

75 100

53 95.2 77.6 116.4

89 46.5 36.0 54.0



#82

4-Chlorotoluene

Concen: 146.095 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004313.D

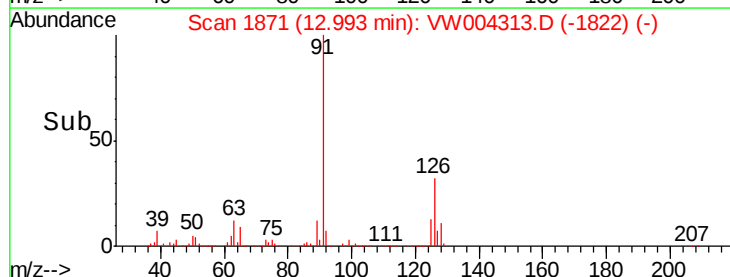
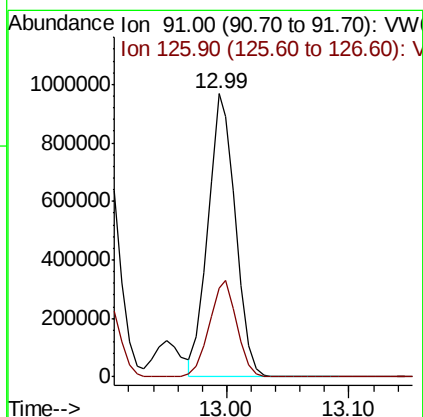
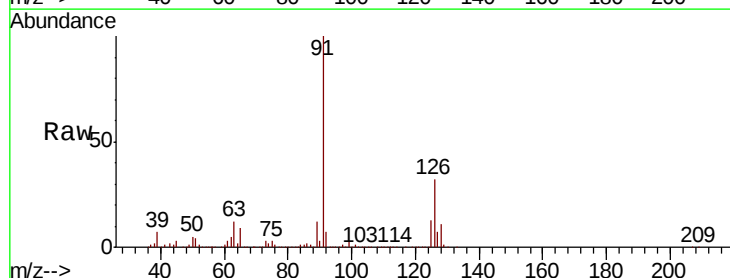
Acq: 29 Jul 2018 14:21

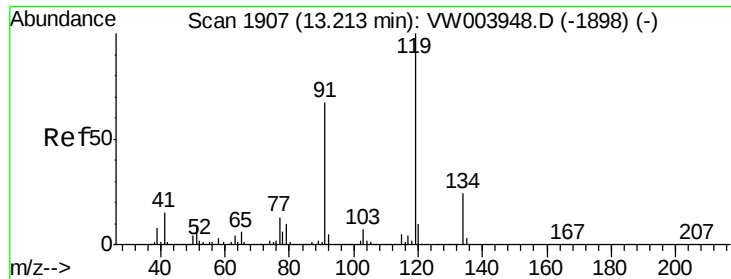
Tgt Ion: 91 Resp: 1501022

Ion Ratio Lower Upper

91 100

126 34.2 17.4 52.3

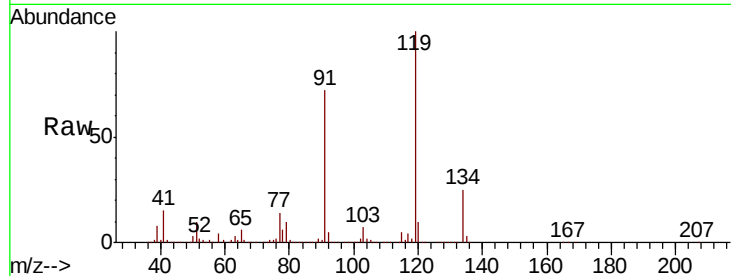




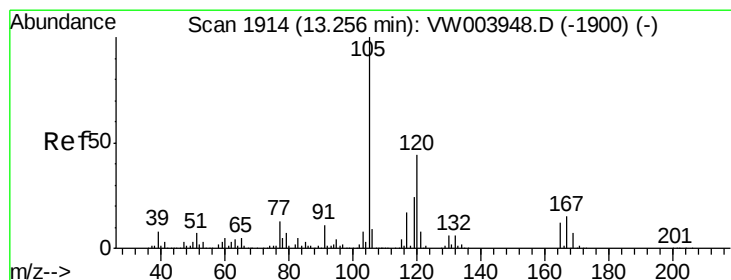
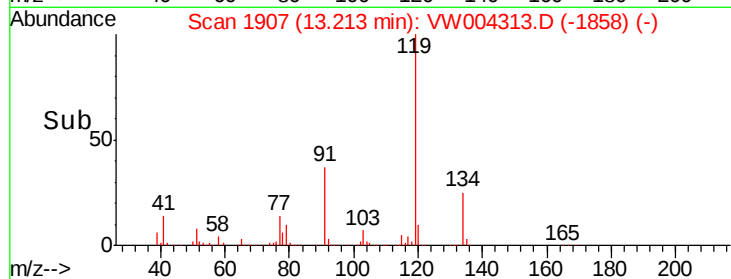
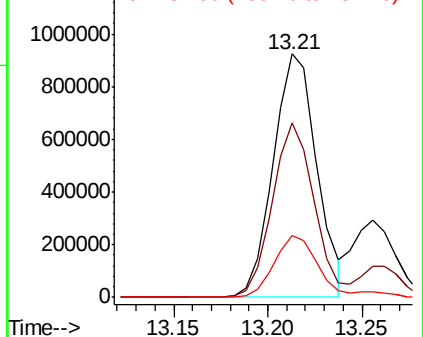
#83
tert-Butylbenzene
Concen: 148.450 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 1484606
Ion Ratio Lower Upper
119 100
91 69.0 32.8 98.3
134 26.7 12.2 36.6

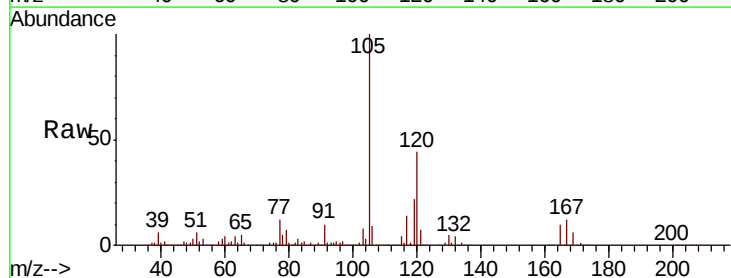


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

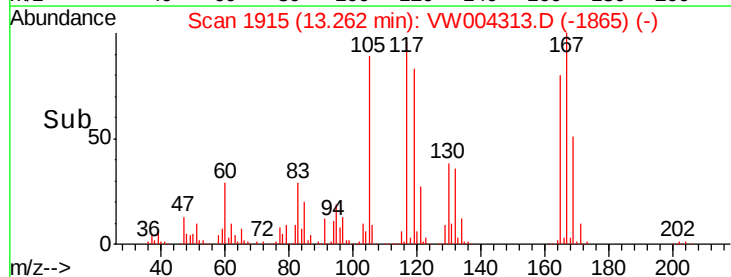
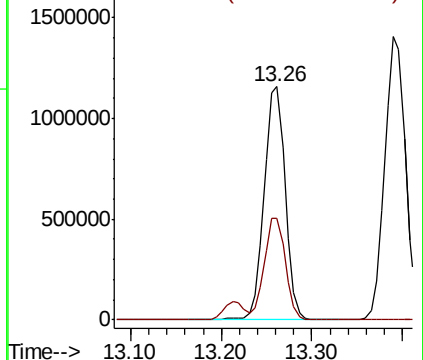


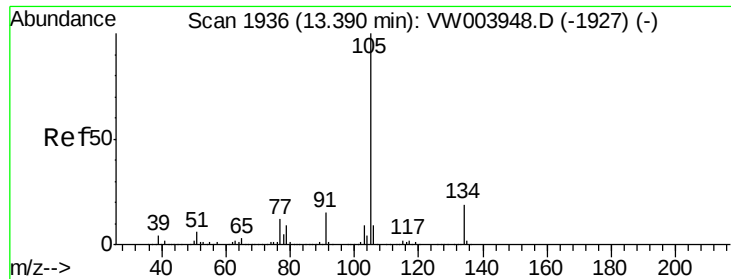
#84
1,2,4-Trimethylbenzene
Concen: 151.580 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.01 min
Lab File: VW004313.D
Acq: 29 Jul 2018 14:21

Tgt Ion:105 Resp: 1855792
Ion Ratio Lower Upper
105 100
120 44.0 22.7 68.0



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

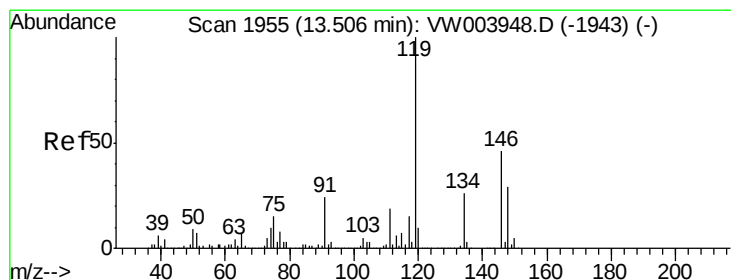
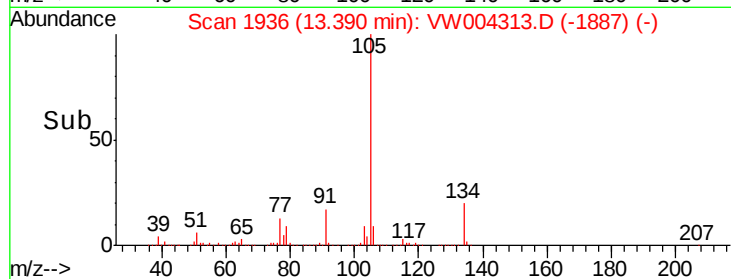
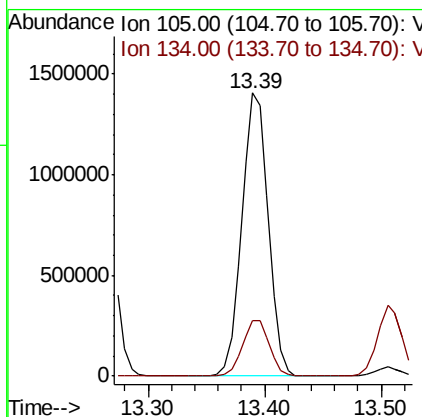
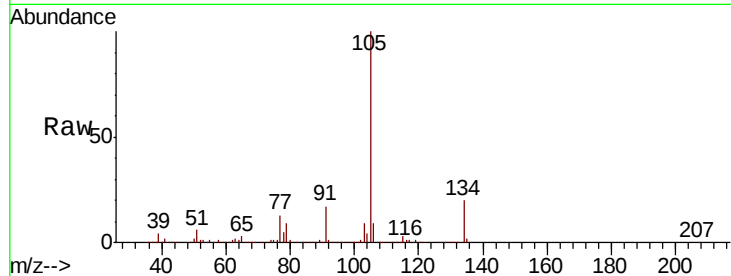




#85
 sec-Butylbenzene
 Concen: 151.839 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

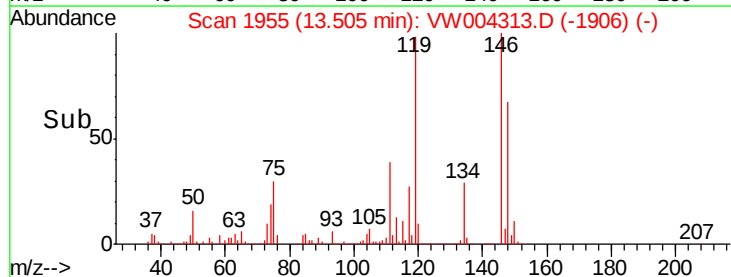
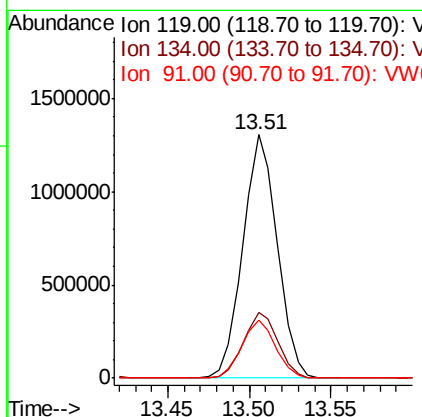
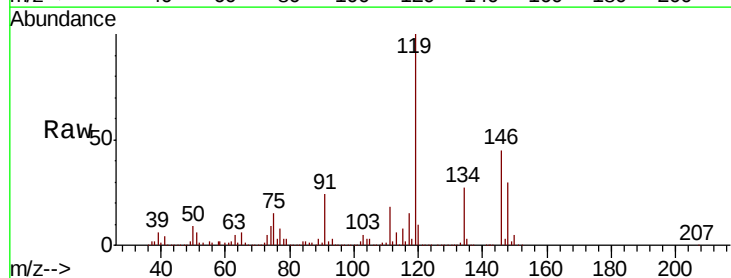
Instrument :
 MSVOA_W
 ClientSampleId :

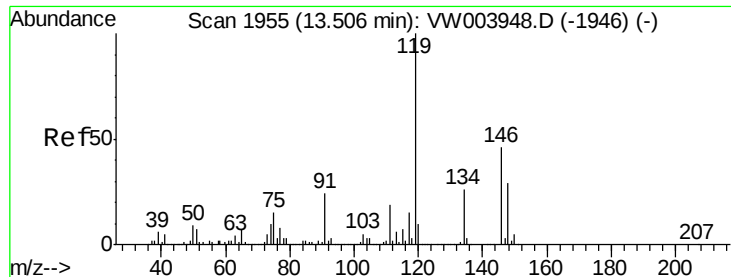
Tot Ion:105 Resp: 2218082
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 145.838 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Tgt Ion:119 Resp: 1913394
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.6 37.8
 91 23.4 11.3 33.9

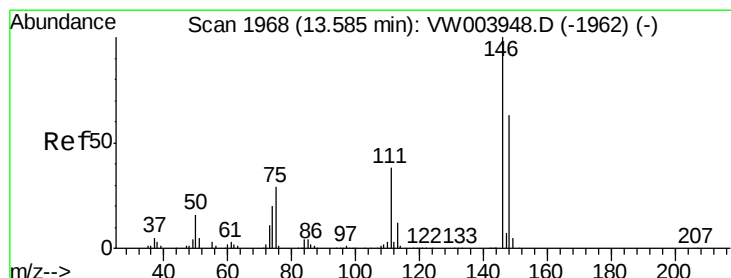
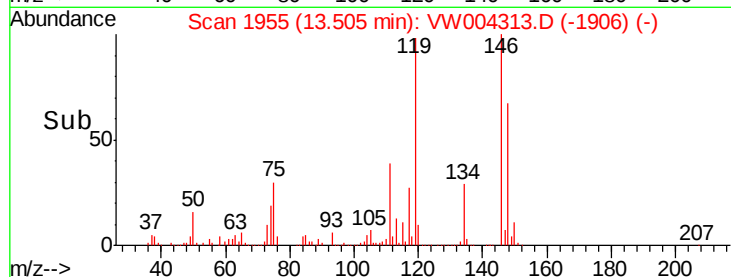
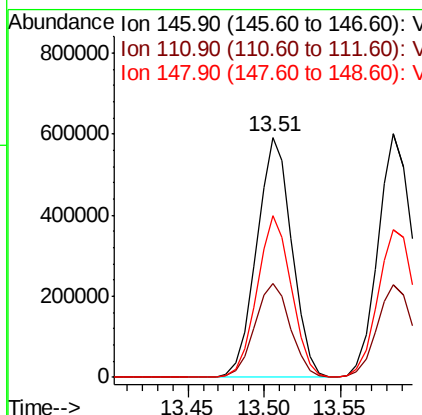
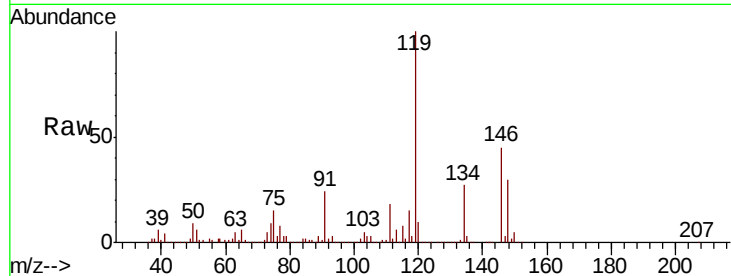




#87
 1,3-Dichlorobenzene
 Concen: 140.271 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

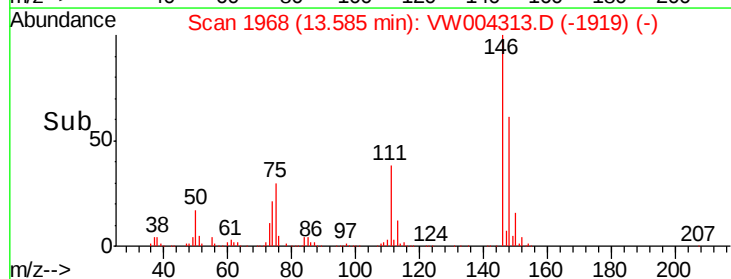
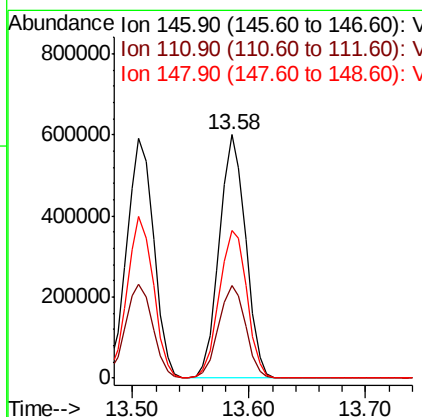
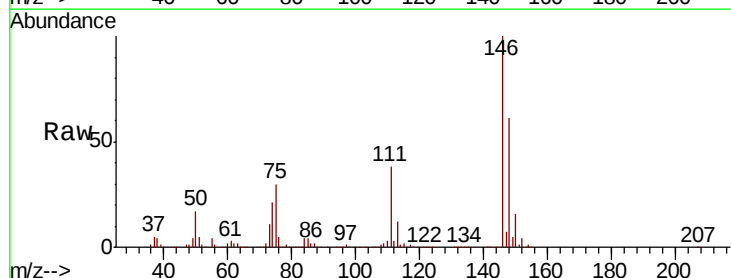
Instrument :
 MSVOA_W
 ClientSampleId :

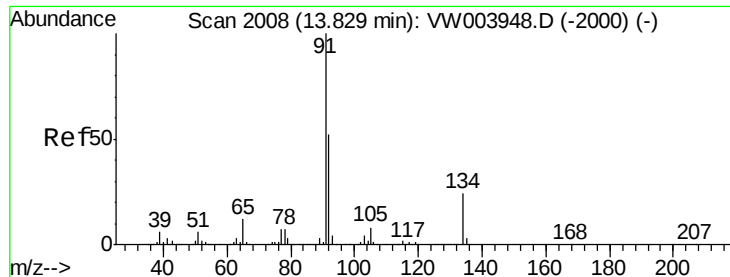
Tot Ion:146 Resp: 945319
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.9 59.6
 148 65.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 139.684 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Tgt Ion:146 Resp: 939190
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.4 58.1
 148 63.7 32.8 98.3





#89

n-Butylbenzene

Concen: 150.381 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

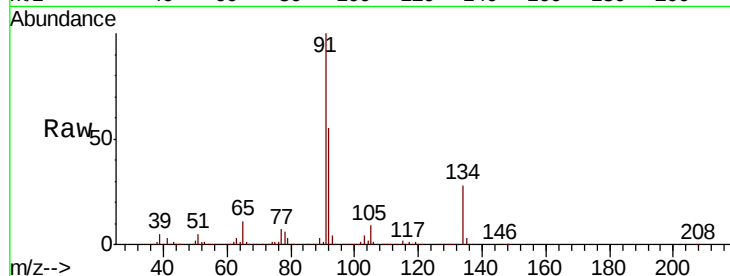
Tot Ion: 91 Resp: 1842378

Ion Ratio Lower Upper

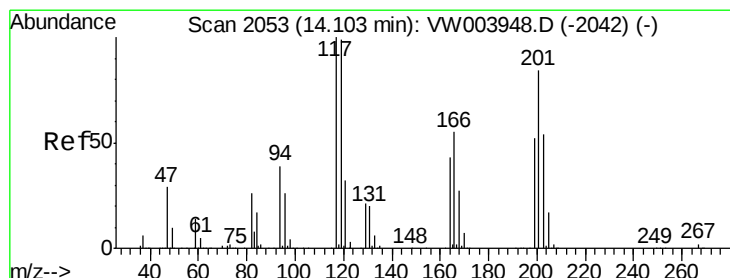
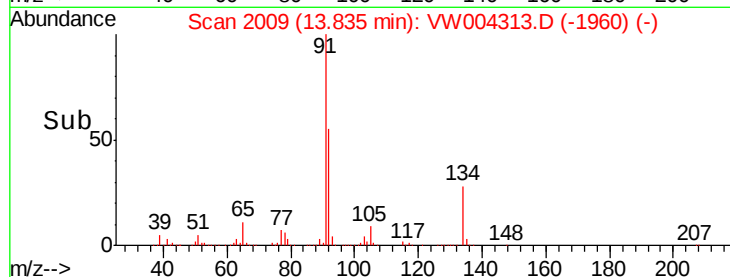
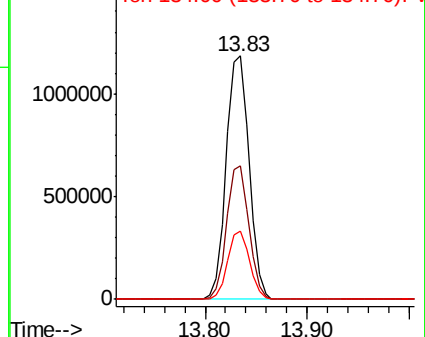
91 100

92 53.0 26.4 79.2

134 26.6 12.9 38.6



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: 147.674 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.01 min

Lab File: VW004313.D

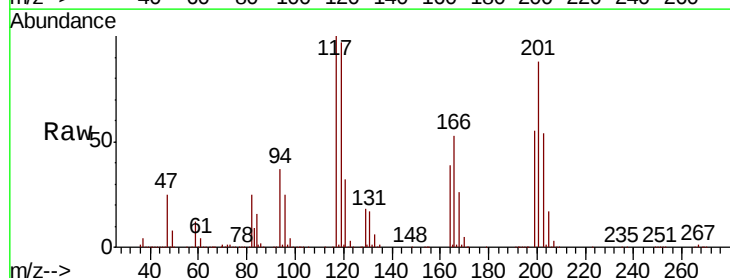
Acq: 29 Jul 2018 14:21

Tgt Ion: 117 Resp: 345561

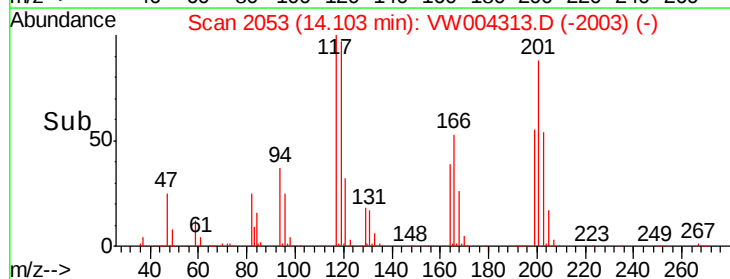
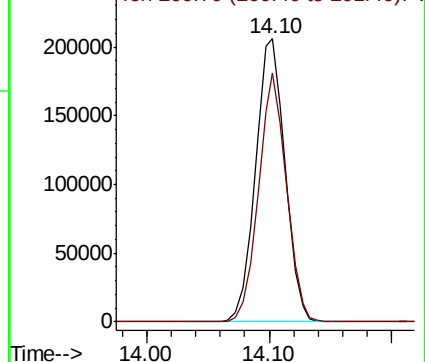
Ion Ratio Lower Upper

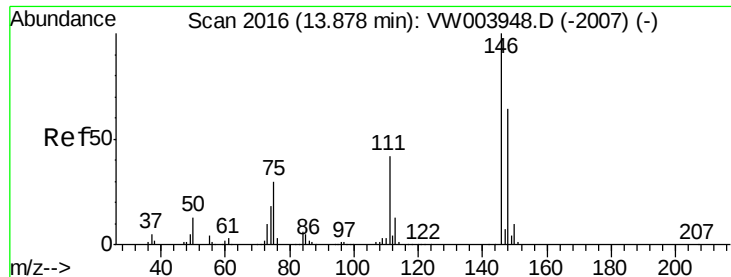
117 100

201 82.9 41.5 124.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 139.879 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

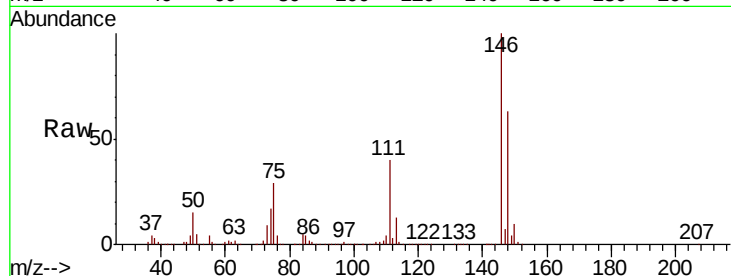
Tot Ion:146 Resp: 843792

Ion Ratio Lower Upper

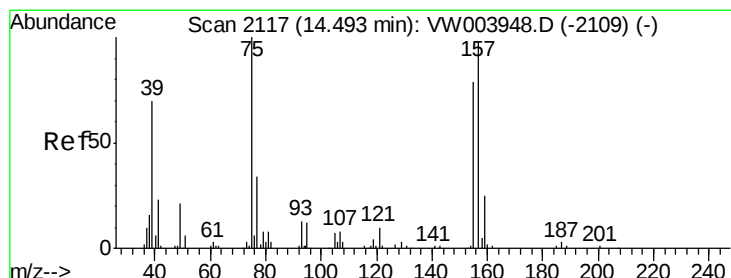
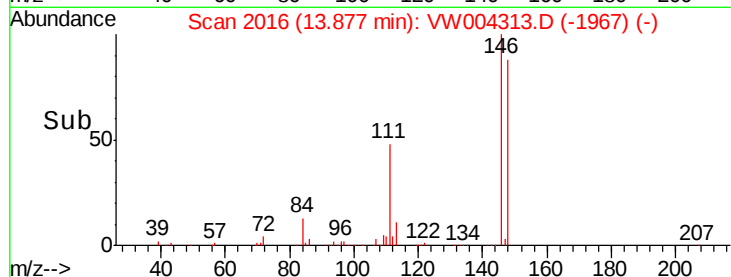
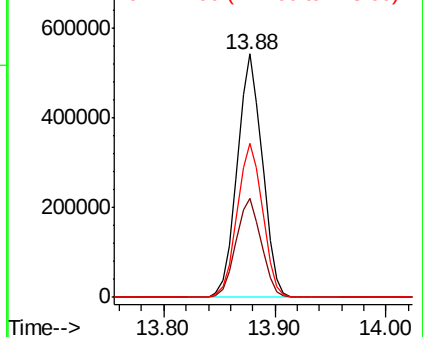
146 100

111 40.9 19.7 59.1

148 64.2 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 147.288 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

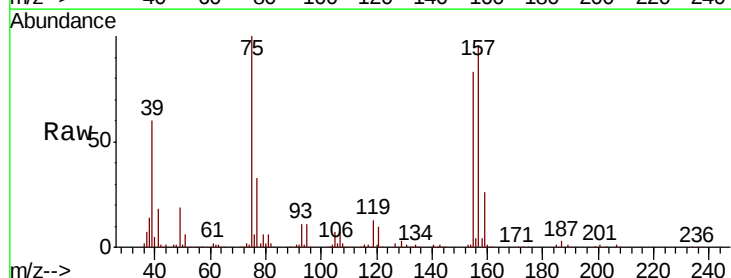
Tgt Ion: 75 Resp: 62760

Ion Ratio Lower Upper

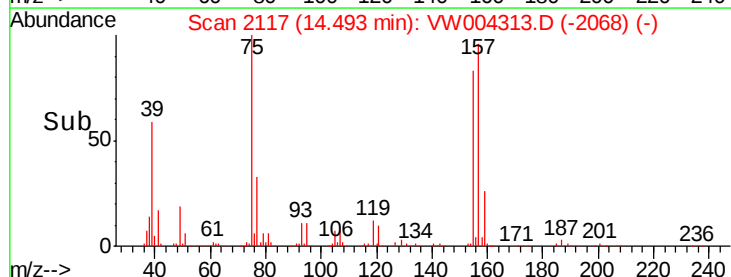
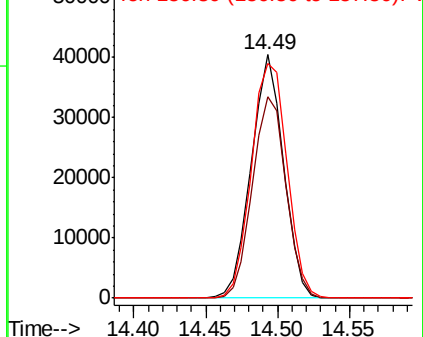
75 100

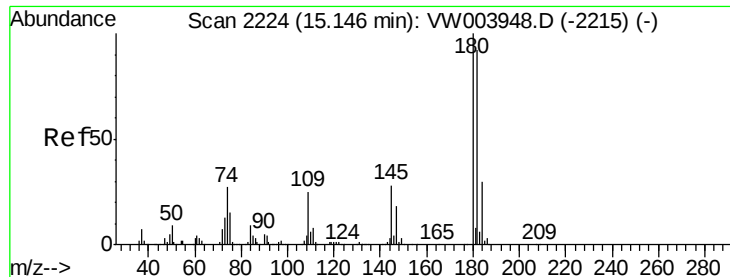
155 85.9 41.4 124.4

157 106.0 55.2 165.6



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

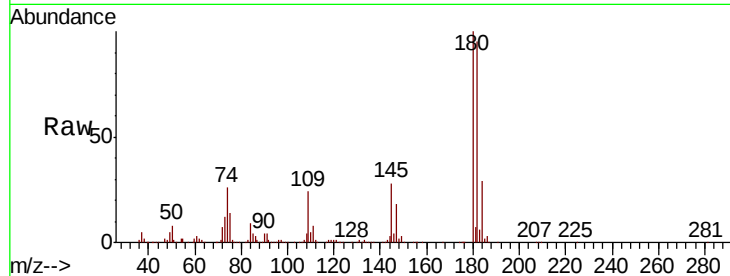




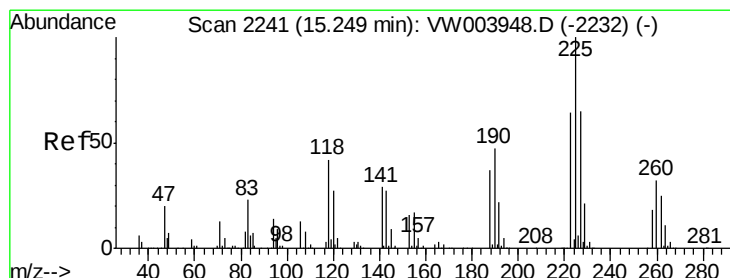
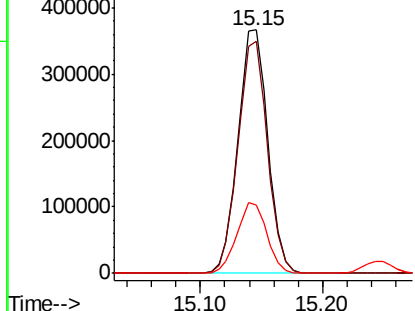
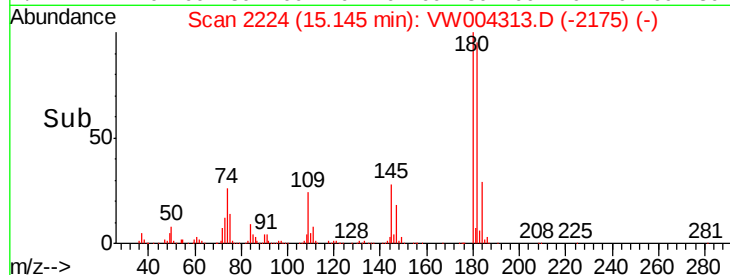
#93
 1,2,4-Trichlorobenzene
 Concen: 145.746 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.8
145	29.4	14.8	44.4

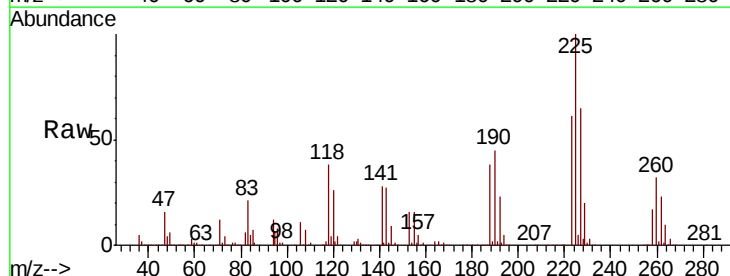


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

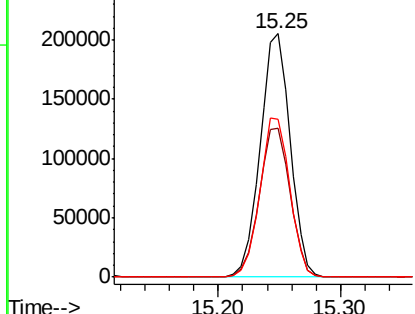
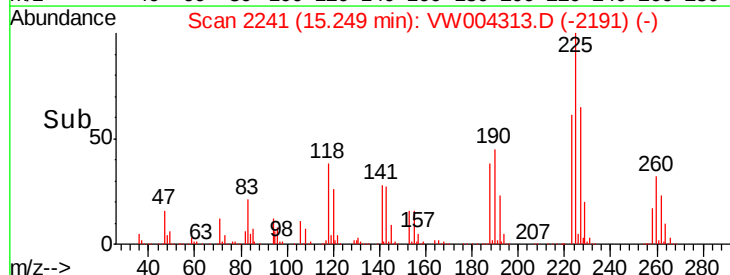


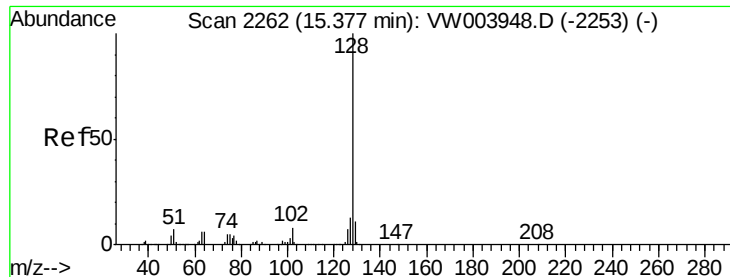
#94
 Hexachlorobutadiene
 Concen: 135.552 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW004313.D
 Acq: 29 Jul 2018 14:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.0	93.0
227	65.3	32.6	97.7



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: 156.971 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

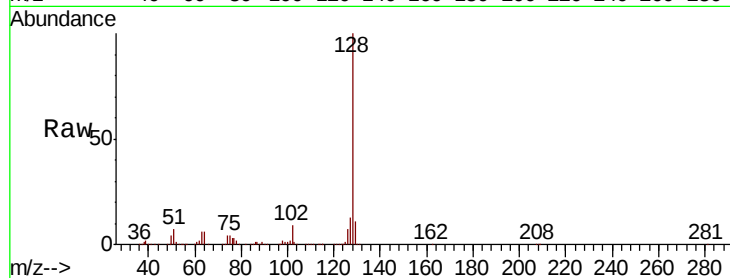
Tot Ion:128 Resp: 1143859

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

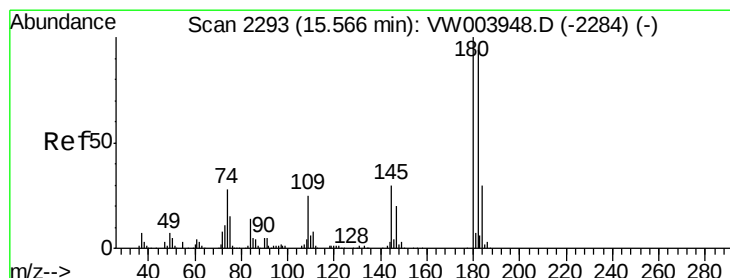
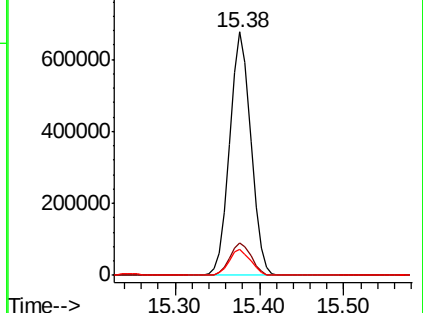
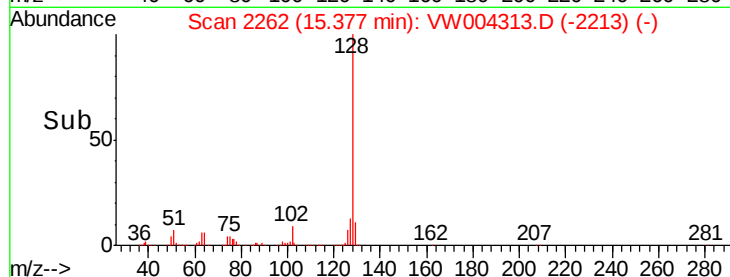
129 10.8 8.6 13.0



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: 142.354 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004313.D

Acq: 29 Jul 2018 14:21

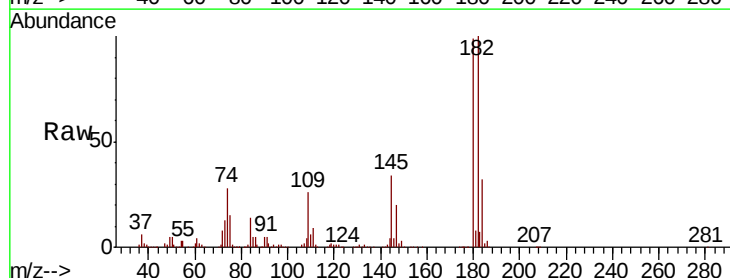
Tgt Ion:180 Resp: 527611

Ion Ratio Lower Upper

180 100

182 96.5 48.0 144.0

145 32.5 16.2 48.5



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

