

Data File : VW008642.D
Acq On : 13 Feb 2019 16:03
Operator : SY/VA
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Quant Time: Feb 14 03:48:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:43:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	412964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	641634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	578386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	310024	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	456783	106.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.78%	
35) Dibromofluoromethane	7.88	113	406447	102.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.04%	
50) Toluene-d8	10.32	98	1582016	103.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.02%	
62) 4-Bromofluorobenzene	12.62	95	609737	105.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.80%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	277854	105.049	ug/l	98
3) Chloromethane	2.21	50	410409	107.634	ug/l	99
4) Vinyl Chloride	2.37	62	524307	104.681	ug/l	100
5) Bromomethane	2.77	94	417947	105.455	ug/l	99
6) Chloroethane	2.92	64	393084	105.473	ug/l	100
7) Trichlorofluoromethane	3.25	101	442407	113.409	ug/l	100
8) Diethyl Ether	3.67	74	241645	103.803	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	422969	102.600	ug/l	98
10) Methyl Iodide	4.26	142	659922	102.562	ug/l	100
11) Tert butyl alcohol	5.18	59	164521	488.163	ug/l	100
12) 1,1-Dichloroethene	4.03	96	407454	101.065	ug/l	96
13) Acrolein	3.89	56	181658	513.286	ug/l	96
14) Allyl chloride	4.65	41	711814	106.269	ug/l	100
15) Acrylonitrile	5.36	53	512263	522.803	ug/l	99
16) Acetone	4.12	43	501568	515.165	ug/l	99
17) Carbon Disulfide	4.37	76	1253467	103.025	ug/l	99
18) Methyl Acetate	4.67	43	229352	102.734	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	727878	102.846	ug/l	97
20) Methylene Chloride	4.90	84	421094	75.320	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	448675	101.622	ug/l	95
22) Diisopropyl ether	6.31	45	1410286	104.611	ug/l	98
23) Vinyl Acetate	6.25	43	4769212	545.074	ug/l	100
24) 1,1-Dichloroethane	6.21	63	804192	103.376	ug/l	100
25) 2-Butanone	7.17	43	733759	531.888	ug/l	99
26) 2,2-Dichloropropane	7.16	77	491846	101.207	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	486225	101.843	ug/l	97
28) Bromochloromethane	7.51	49	357567	108.883	ug/l	99
29) Tetrahydrofuran	7.53	42	478586	526.338	ug/l	99
30) Chloroform	7.67	83	806994	103.529	ug/l	98
31) Cyclohexane	7.95	56	753601	95.977	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	682822	103.722	ug/l	99
36) 1,1-Dichloropropene	8.08	75	653701	101.406	ug/l	100
37) Ethyl Acetate	7.25	43	331435	106.584	ug/l	99
38) Carbon Tetrachloride	8.07	117	666288	103.943	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	826487	101.365	ug/l	99
40) Benzene	8.32	78	1775137	100.828	ug/l	100
41) Methacrylonitrile	7.48	41	169453	96.853	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	559416	102.440	ug/l	100
43) Isopropyl Acetate	8.42	43	667222	107.606	ug/l	100
44) Trichloroethene	9.09	130	490789	100.542	ug/l	100
45) 1,2-Dichloropropane	9.37	63	443688	101.832	ug/l	97
46) Dibromomethane	9.45	93	246179	102.568	ug/l	100
47) Bromodichloromethane	9.64	83	617669	107.081	ug/l	99
48) Methyl methacrylate	9.43	41	314803	109.551	ug/l	99
49) 1,4-Dioxane	9.45	88	78988	2061.705	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1706962	535.907	ug/l	100
52) Toluene	10.38	92	1177969	103.715	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	666510	109.989	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	732440	106.625	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	340223	103.308	ug/l	97
56) Ethyl methacrylate	10.65	69	480697	109.923	ug/l	98
57) 1,3-Dichloropropane	10.93	76	600423	102.756	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	1124843	536.209	ug/l	99
59) 2-Hexanone	10.97	43	1224758	547.356	ug/l	99
60) Dibromochloromethane	11.13	129	426265	108.176	ug/l	100
61) 1,2-Dibromoethane	11.23	107	338034	104.248	ug/l	99
64) Tetrachloroethene	10.86	164	434505	101.022	ug/l	99
65) Chlorobenzene	11.66	112	1271458	101.992	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	466763	105.693	ug/l	99
67) Ethyl Benzene	11.73	91	2300696	103.605	ug/l	99
68) m/p-Xylenes	11.84	106	1798103	208.107	ug/l	99
69) o-Xylene	12.16	106	864800	105.887	ug/l	99
70) Styrene	12.18	104	1455266	109.092	ug/l	99
71) Bromoform	12.35	173	268001	112.629	ug/l #	100
73) Isopropylbenzene	12.46	105	2414034	104.535	ug/l	99
74) N-amyl acetate	12.27	43	709195	113.566	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	423399	105.379	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	591208	159.777	ug/l #	100
77) Bromobenzene	12.75	156	540295	101.781	ug/l	98
78) n-propylbenzene	12.80	91	2850443	103.884	ug/l	100
79) 2-Chlorotoluene	12.90	91	1610755	103.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2003998	104.476	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	148575	118.634	ug/l	97
82) 4-Chlorotoluene	12.99	91	1719483	104.627	ug/l	99
83) tert-Butylbenzene	13.21	119	1719931	103.265	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2061248	104.554	ug/l	98
85) sec-Butylbenzene	13.38	105	2523283	104.046	ug/l	99
86) p-Isopropyltoluene	13.50	119	2261634	104.244	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1092210	101.496	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	1070644	100.951	ug/l	100
89) n-Butylbenzene	13.83	91	2152411	104.401	ug/l	99
90) Hexachloroethane	14.10	117	408773	107.844	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	966328	101.355	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	73516	105.293	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021319\
Quantitation Report (Not Reviewed)

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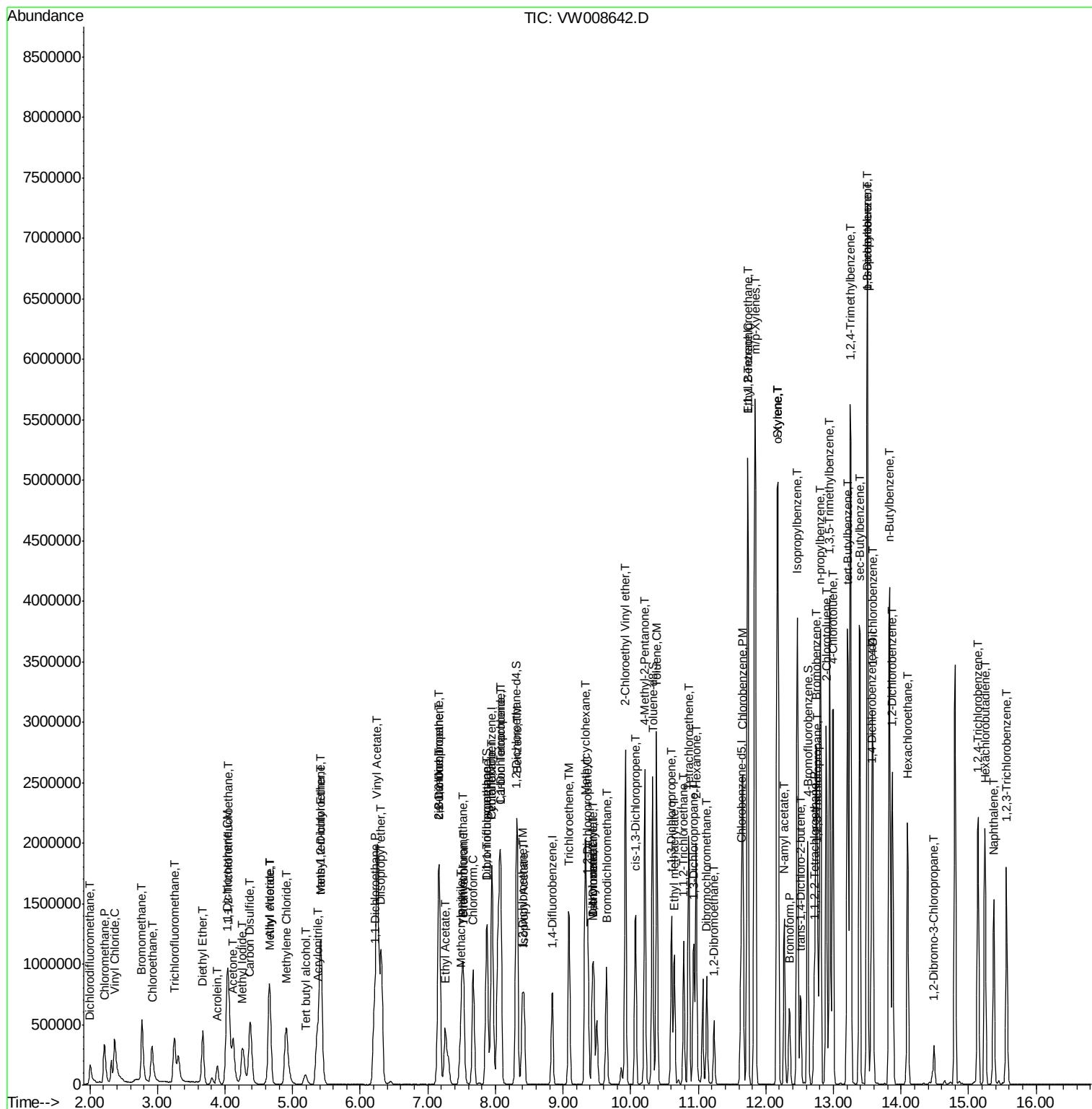
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	668046	98.433	ug/l	99
94) Hexachlorobutadiene	15.24	225	385870	97.674	ug/l	99
95) Naphthalene	15.37	128	1262960	103.840	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	578258	99.291	ug/l	100

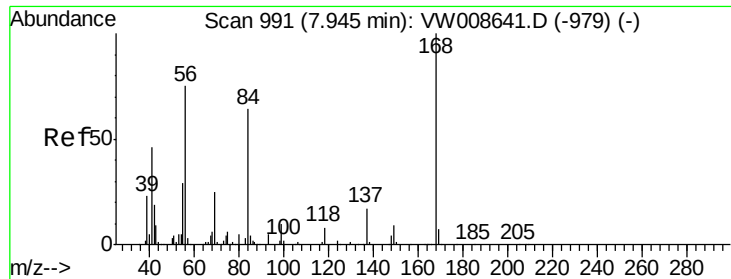
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

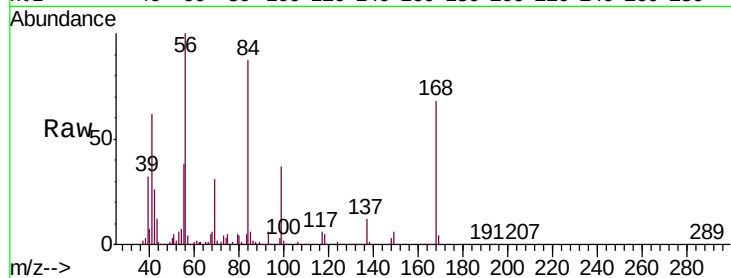
VSTDIC100

Tgt Ion:168 Resp: 412964

Ion Ratio Lower Upper

168 100

99 54.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

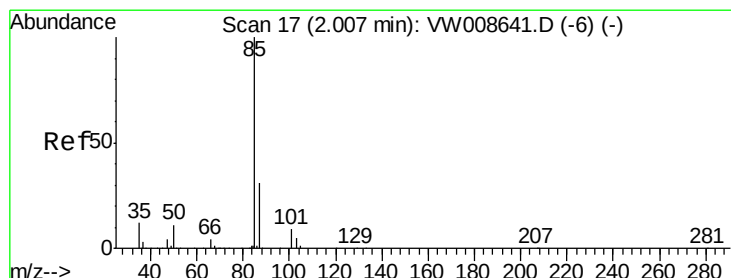
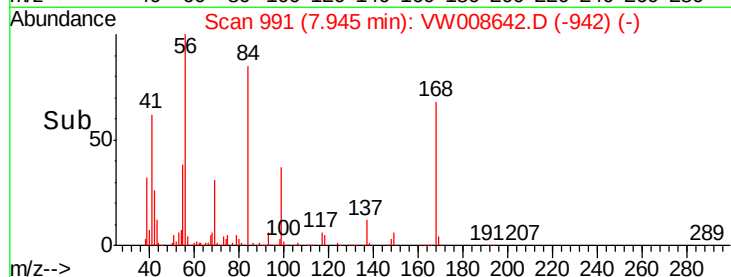
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 105.049 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008642.D

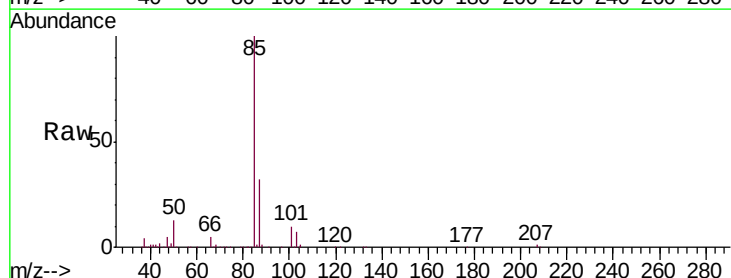
Acq: 13 Feb 2019 16:03

Tgt Ion: 85 Resp: 277854

Ion Ratio Lower Upper

85 100

87 32.1 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80000

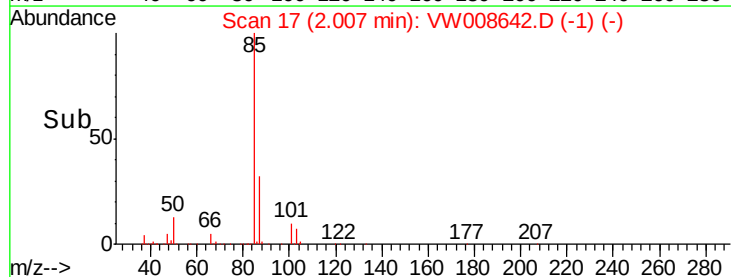
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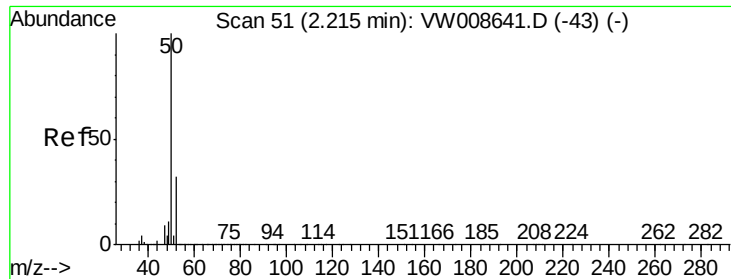
40000

20000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 107.634 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

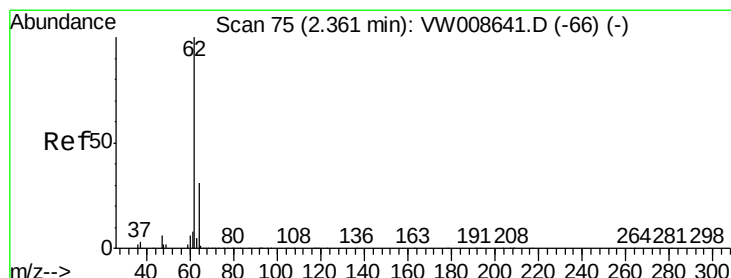
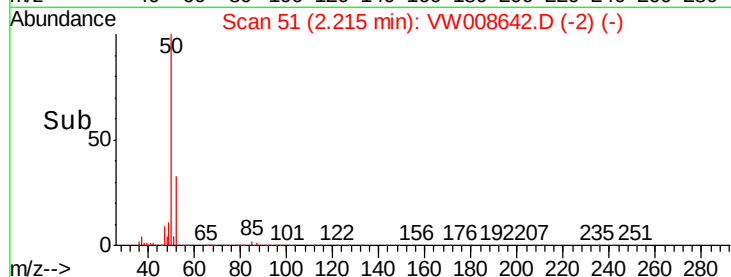
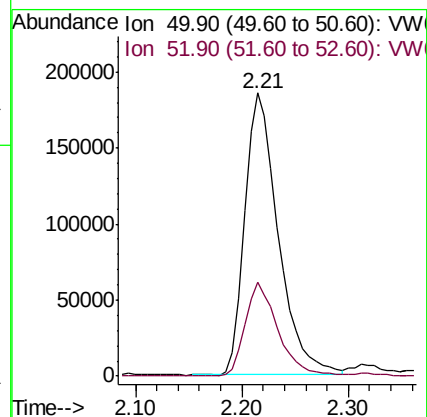
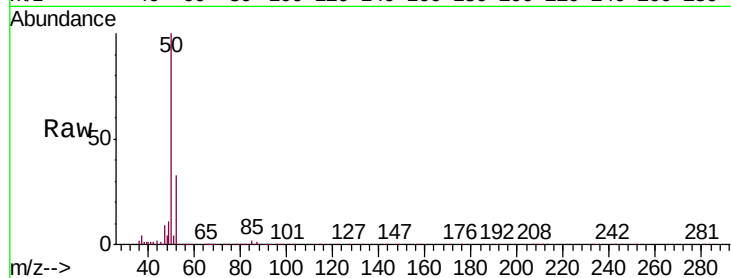
VSTDIC100

Tgt Ion: 50 Resp: 410409

Ion Ratio Lower Upper

50 100

52 33.3 26.0 39.0



#4

Vinyl Chloride

Concen: 104.681 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW008642.D

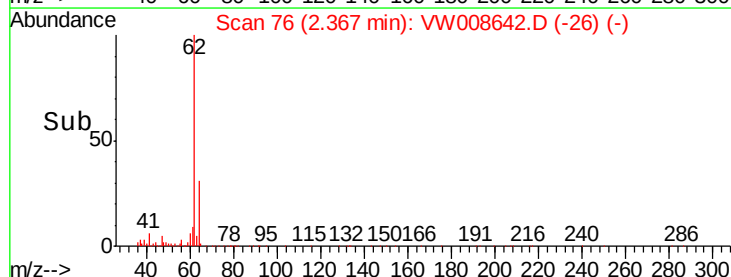
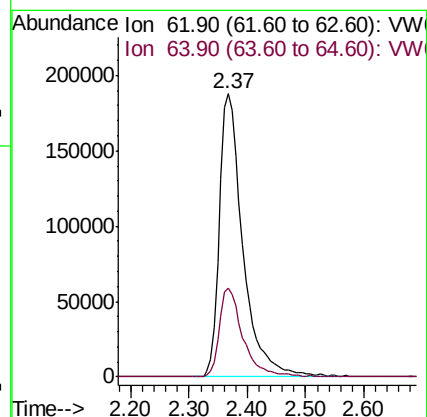
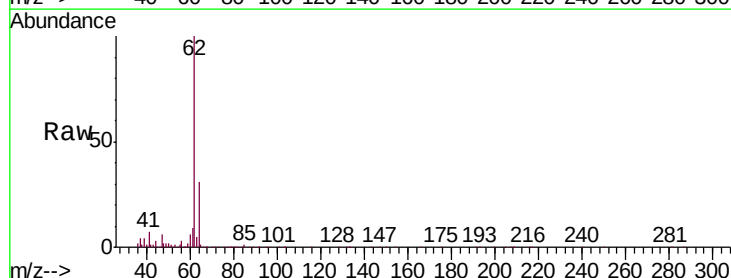
Acq: 13 Feb 2019 16:03

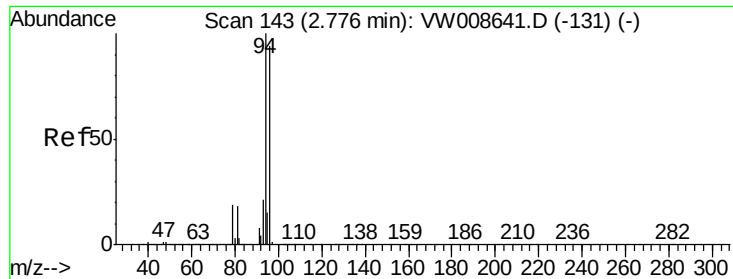
Tgt Ion: 62 Resp: 524307

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7





#5

Bromomethane

Concen: 105.455 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

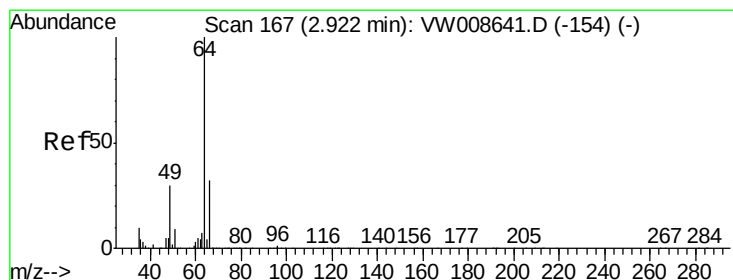
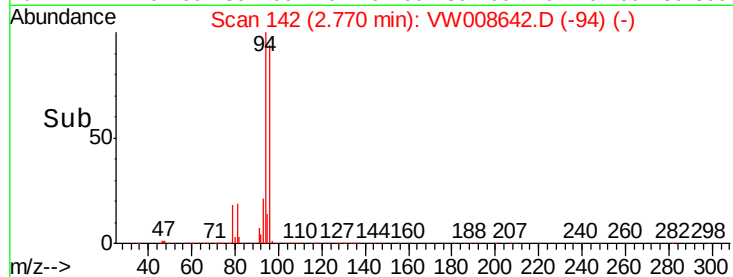
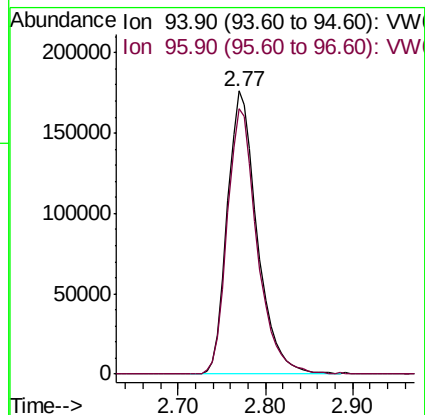
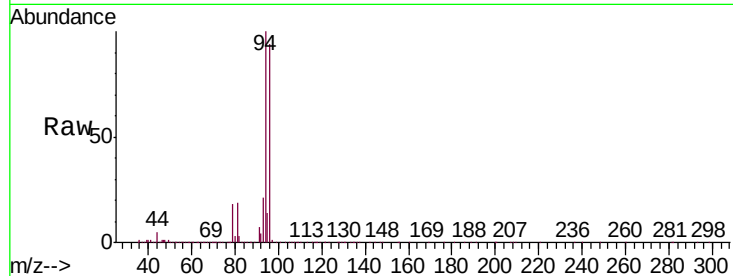
VSTDIC100

Tgt Ion: 94 Resp: 417947

Ion Ratio Lower Upper

94 100

96 93.6 75.5 113.3



#6

Chloroethane

Concen: 105.473 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008642.D

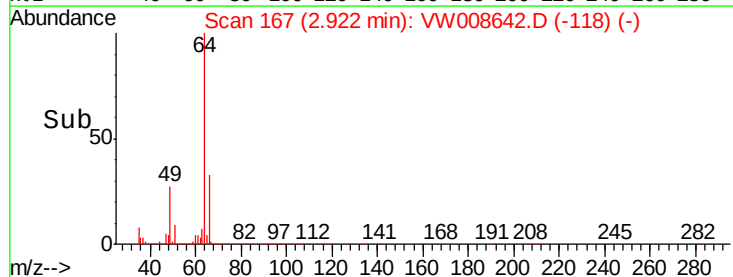
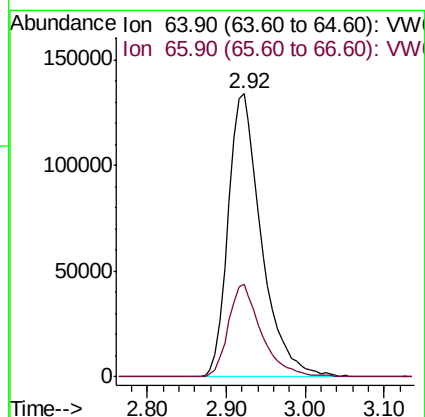
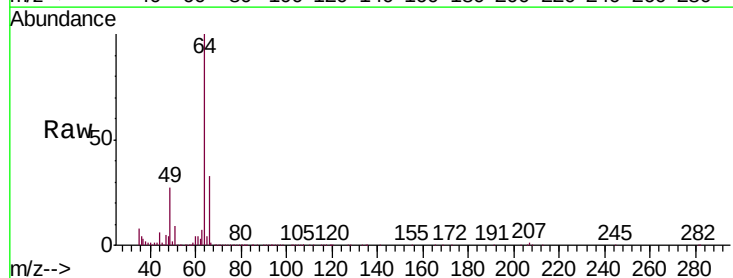
Acq: 13 Feb 2019 16:03

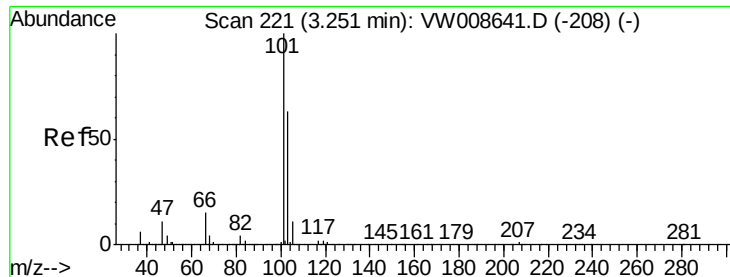
Tgt Ion: 64 Resp: 393084

Ion Ratio Lower Upper

64 100

66 32.6 26.2 39.4



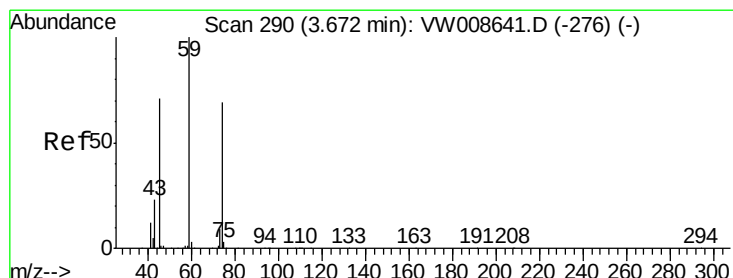
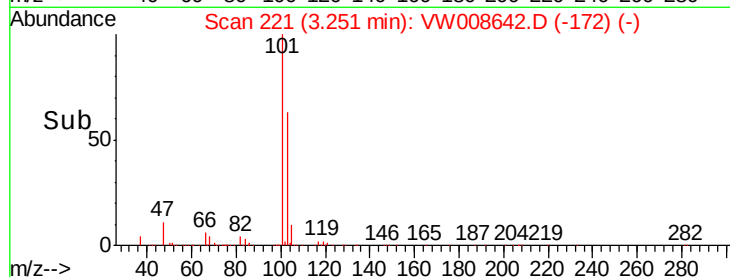
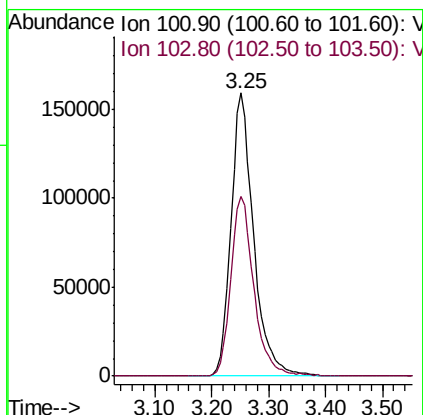
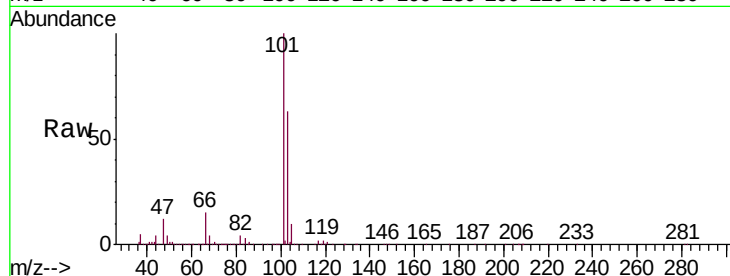


#7

Trichlorofluoromethane
Concen: 113.409 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
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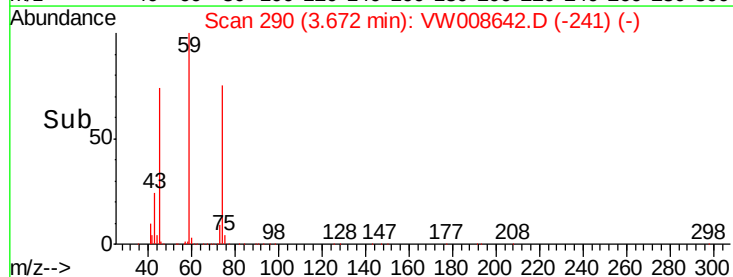
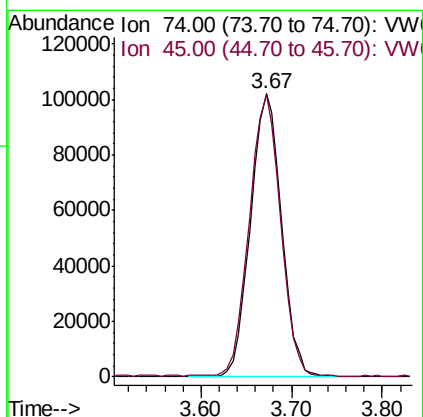
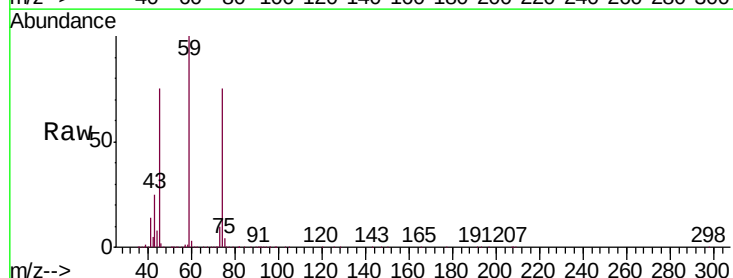
Tgt Ion:101 Resp: 442407
Ion Ratio Lower Upper
101 100
103 63.3 50.5 75.7

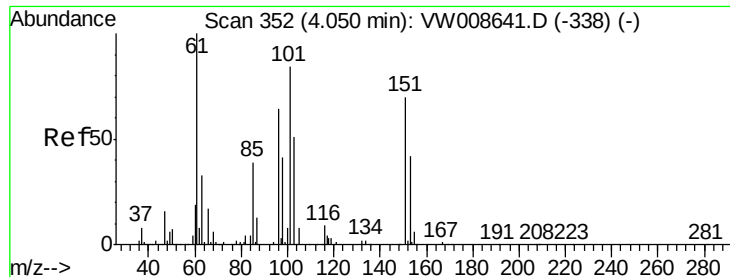


#8

Diethyl Ether
Concen: 103.803 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion: 74 Resp: 241645
Ion Ratio Lower Upper
74 100
45 100.1 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.600 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW008642.D

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Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

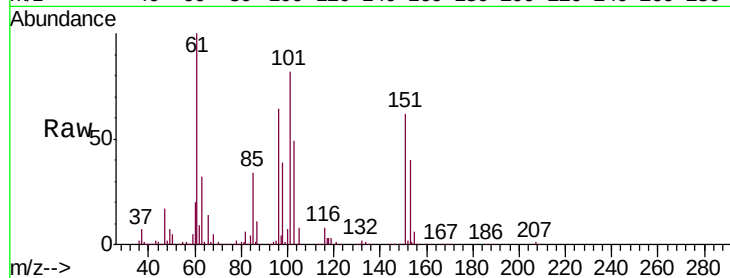
Tgt Ion:101 Resp: 422969

Ion Ratio Lower Upper

101 100

85 44.3 34.3 51.5

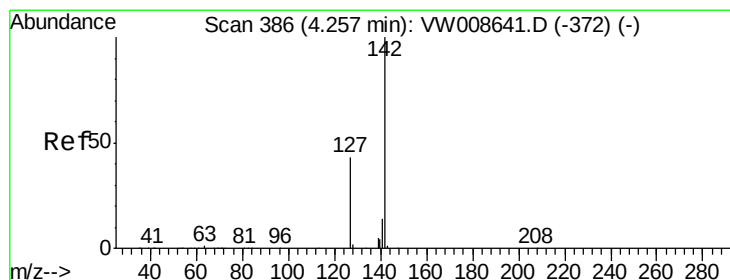
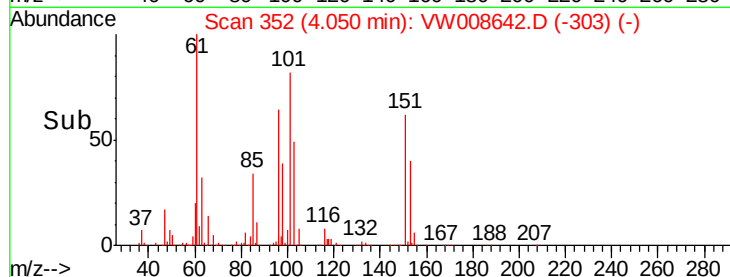
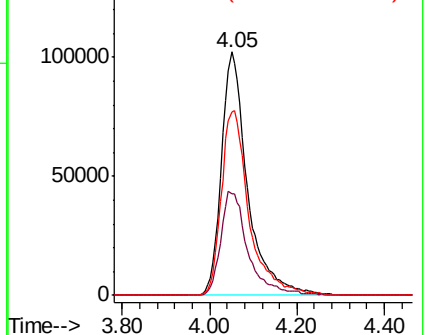
151 80.4 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 102.562 ug/l

RT: 4.26 min Scan# 386

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

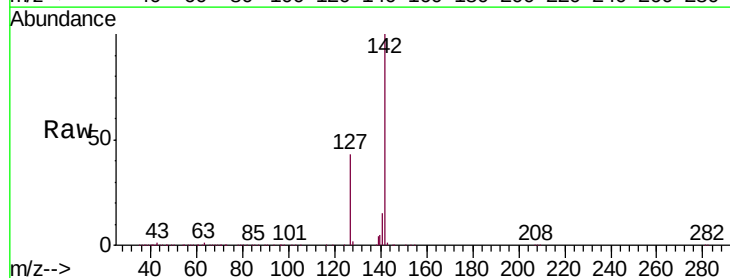
Tgt Ion:142 Resp: 659922

Ion Ratio Lower Upper

142 100

127 43.6 34.8 52.2

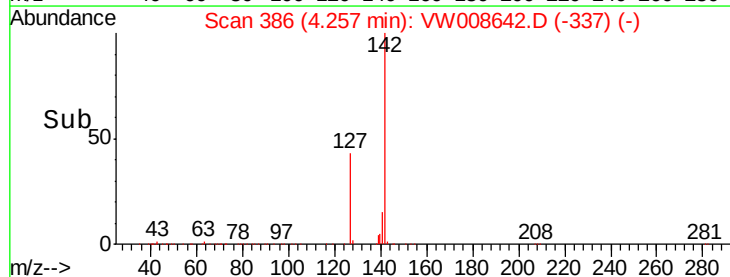
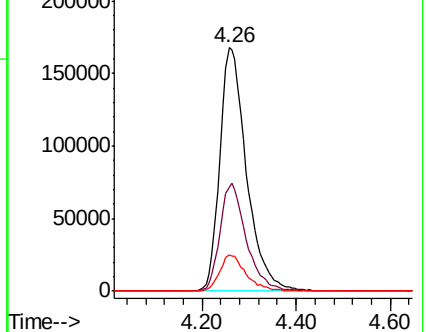
141 14.6 11.8 17.8

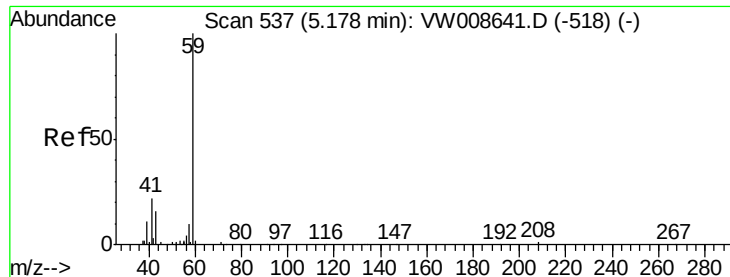


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

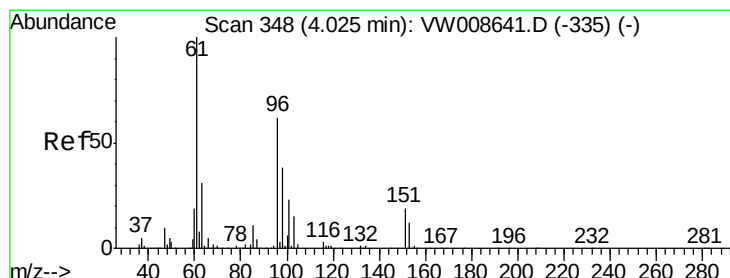
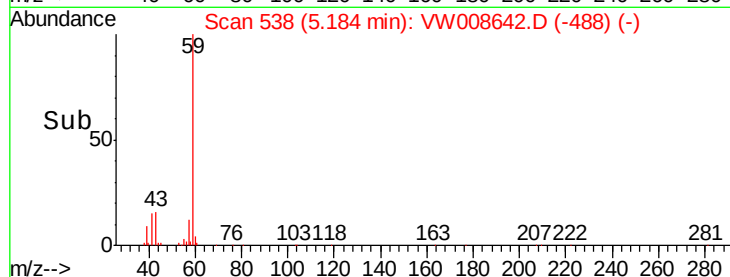
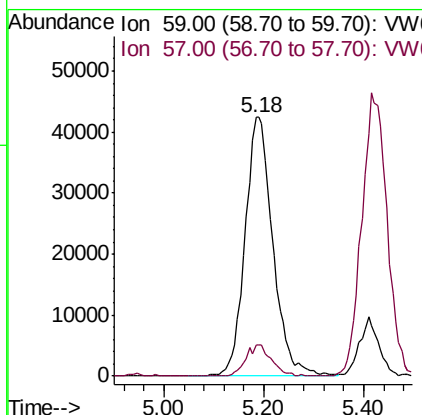
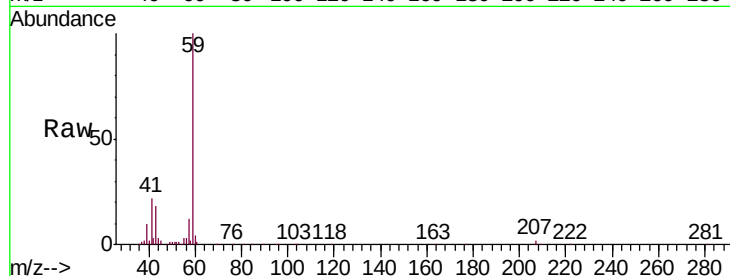




#11
Tert butyl alcohol
Concen: 488.163 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

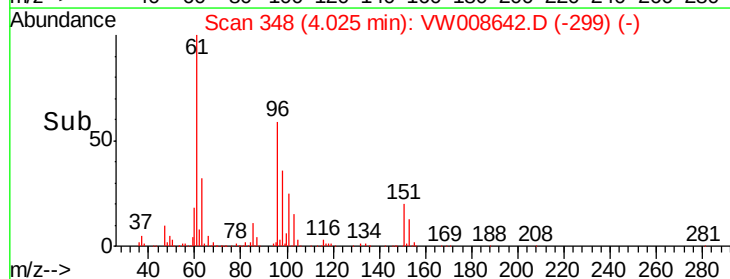
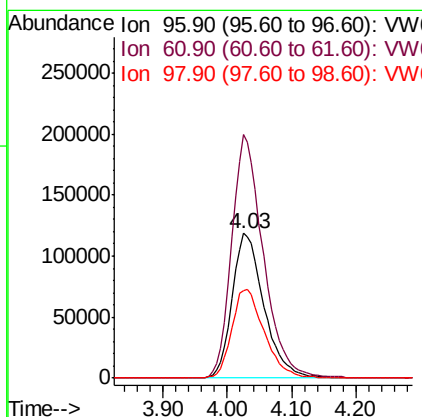
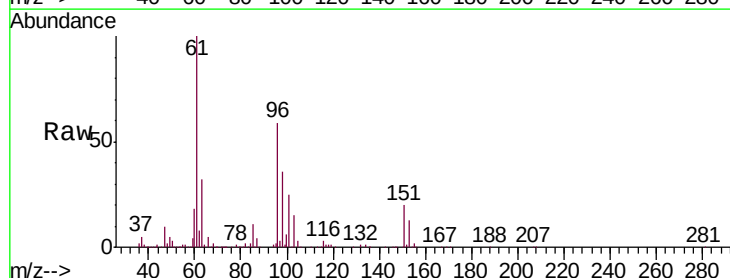
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

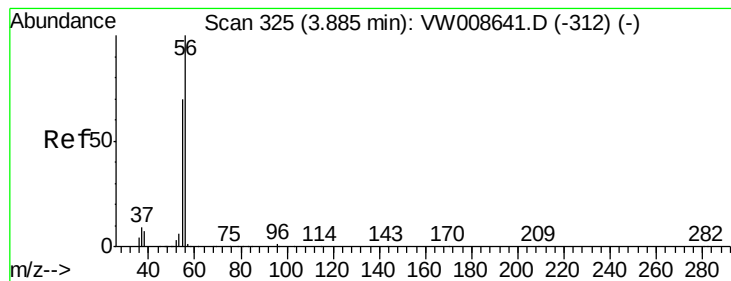
Tgt Ion: 59 Resp: 164521
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5



#12
1,1-Dichloroethene
Concen: 101.065 ug/l
RT: 4.03 min Scan# 348
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion: 96 Resp: 407454
Ion Ratio Lower Upper
96 100
61 168.2 129.8 194.6
98 60.1 49.3 73.9





#13

Acrolein

Concen: 513.286 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

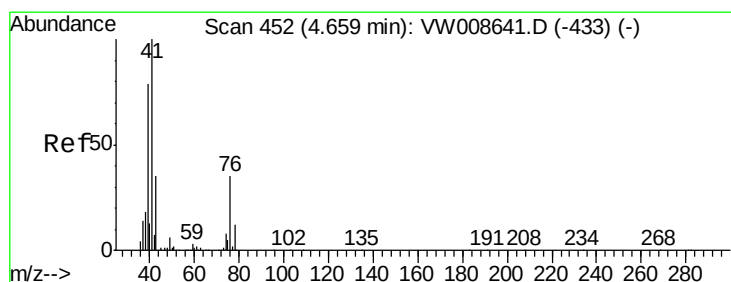
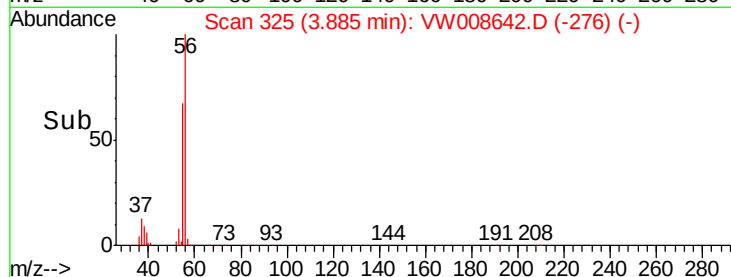
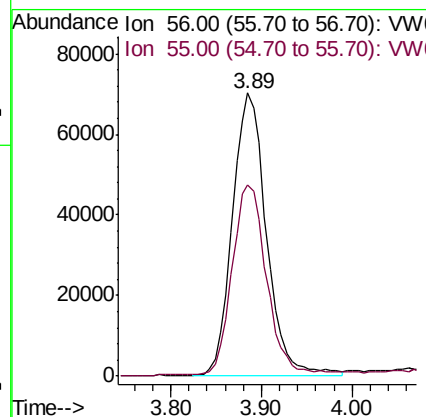
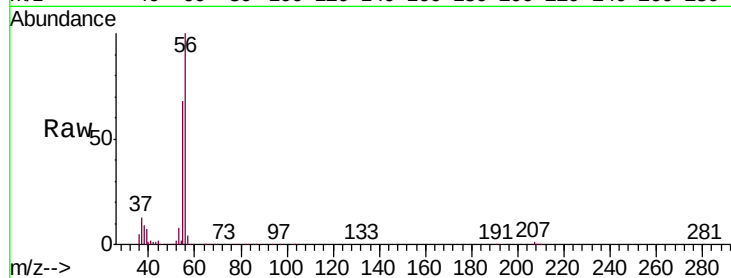
VSTDIC100

Tgt Ion: 56 Resp: 181658

Ion Ratio Lower Upper

56 100

55 68.8 57.4 86.2



#14

Allyl chloride

Concen: 106.269 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

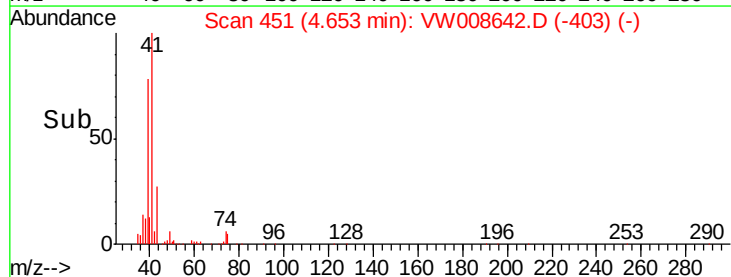
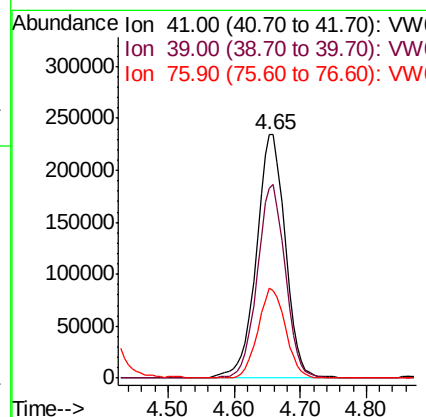
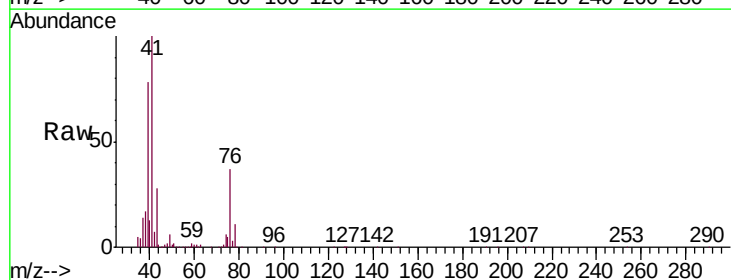
Tgt Ion: 41 Resp: 711814

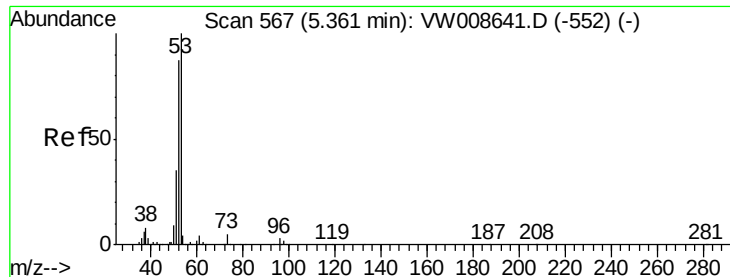
Ion Ratio Lower Upper

41 100

39 77.0 61.7 92.5

76 34.9 27.7 41.5





#15

Acrylonitrile

Concen: 522.803 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

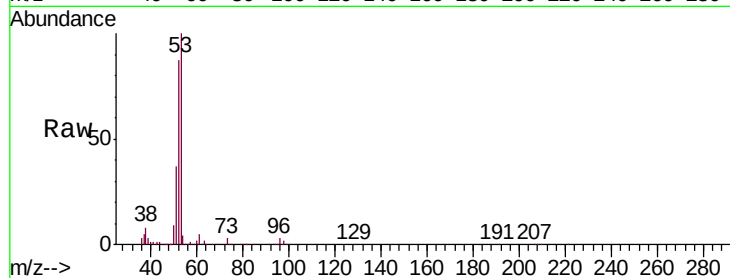
Tgt Ion: 53 Resp: 512263

Ion Ratio Lower Upper

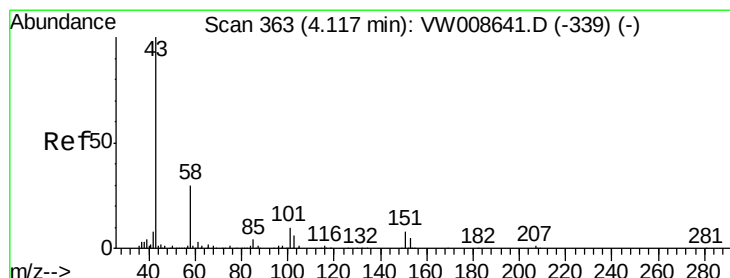
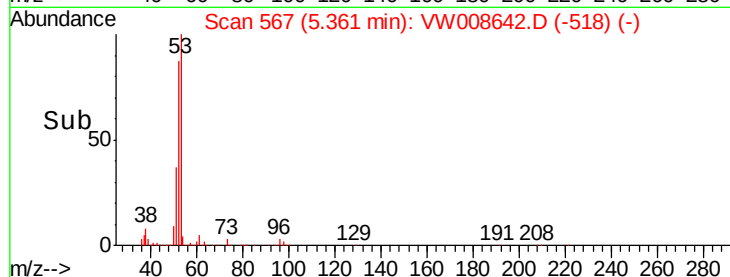
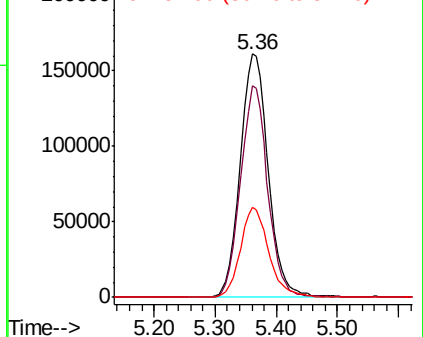
53 100

52 84.1 66.8 100.2

51 37.4 29.4 44.0



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



#16

Acetone

Concen: 515.165 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008642.D

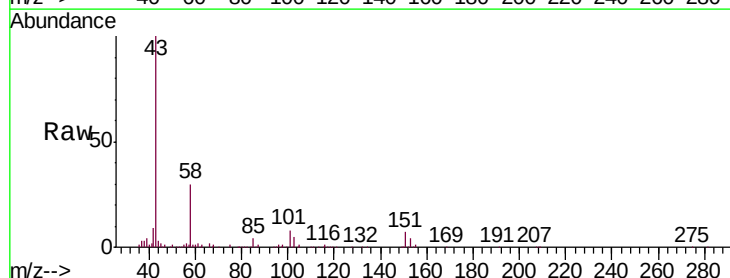
Acq: 13 Feb 2019 16:03

Tgt Ion: 43 Resp: 501568

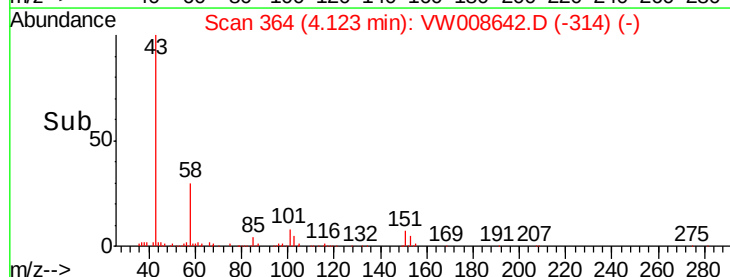
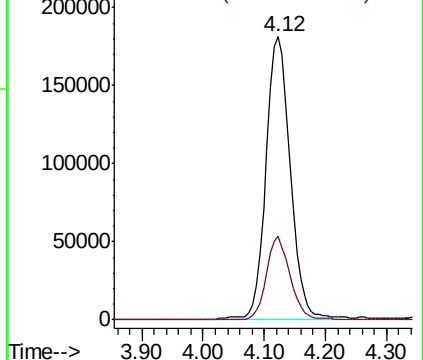
Ion Ratio Lower Upper

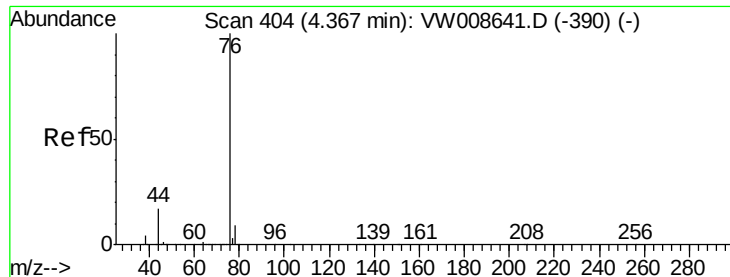
43 100

58 29.5 24.1 36.1



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





#17

Carbon Disulfide

Concen: 103.025 ug/l

RT: 4.37 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

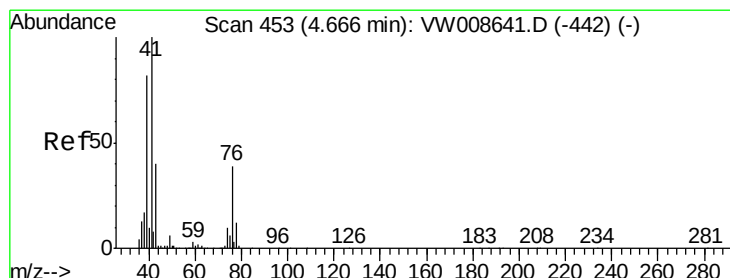
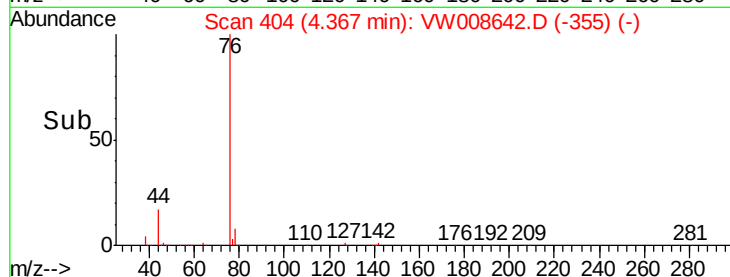
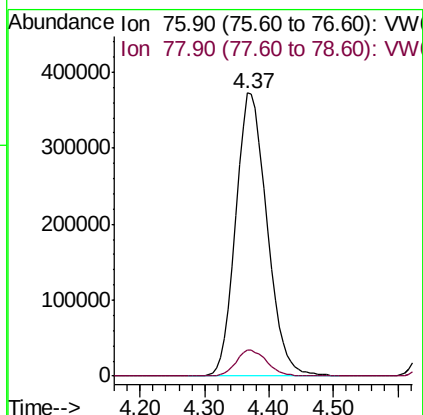
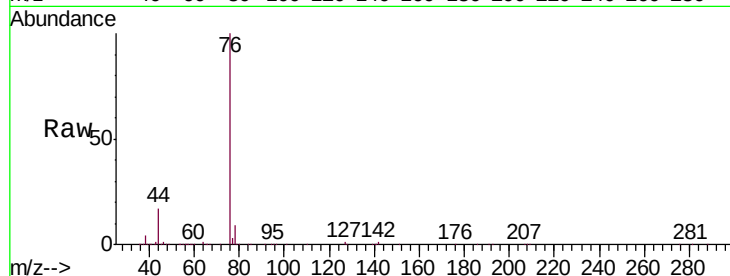
VSTDIC100

Tgt Ion: 76 Resp: 1253467

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#18

Methyl Acetate

Concen: 102.734 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW008642.D

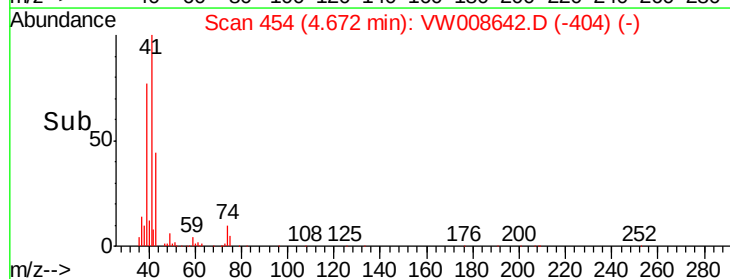
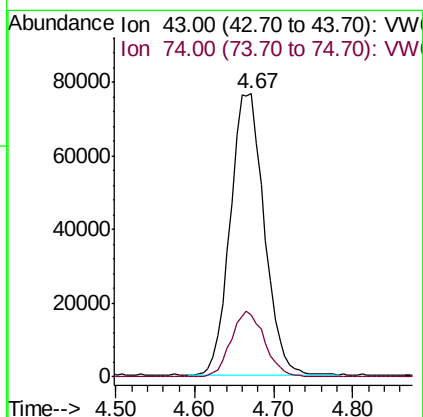
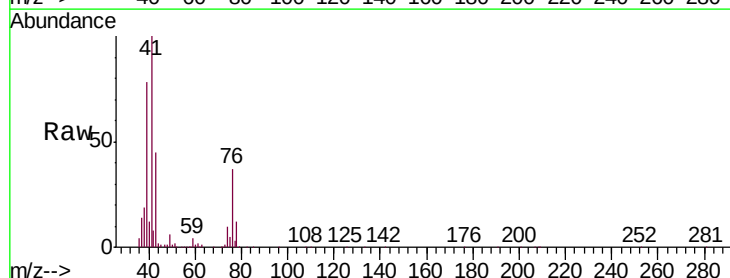
Acq: 13 Feb 2019 16:03

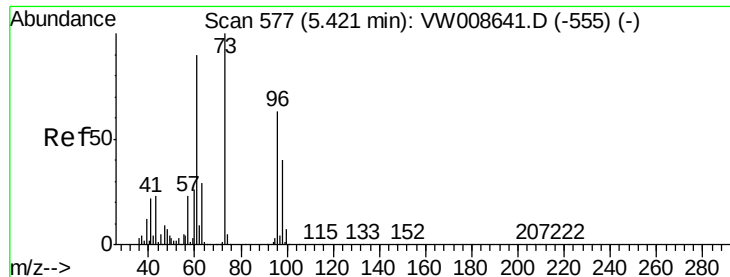
Tgt Ion: 43 Resp: 229352

Ion Ratio Lower Upper

43 100

74 23.1 19.0 28.4



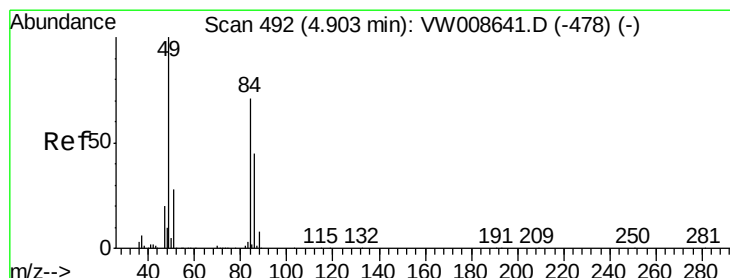
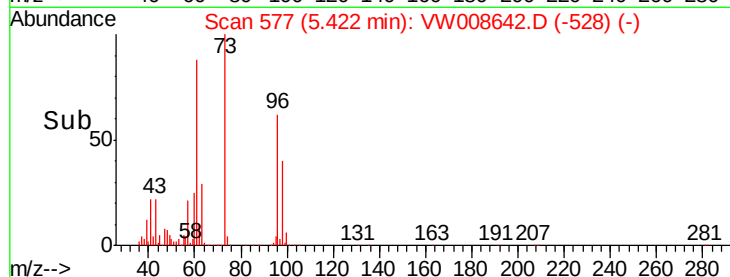
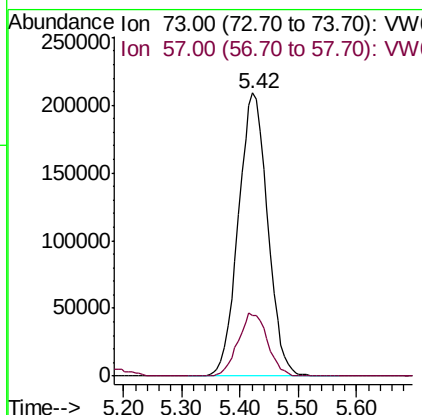
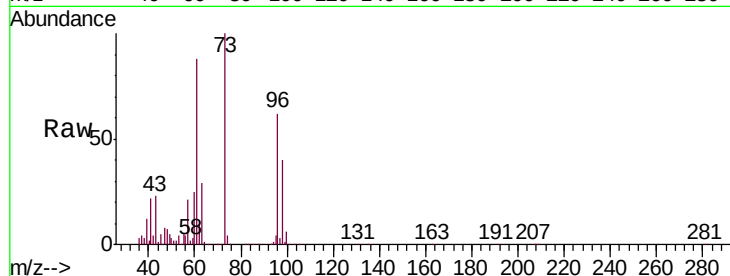


#19

Methyl tert-butyl Ether
 Concen: 102.846 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

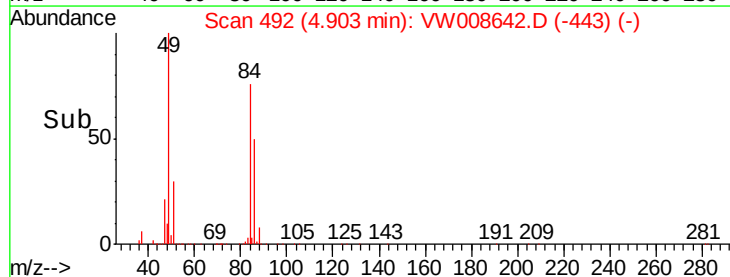
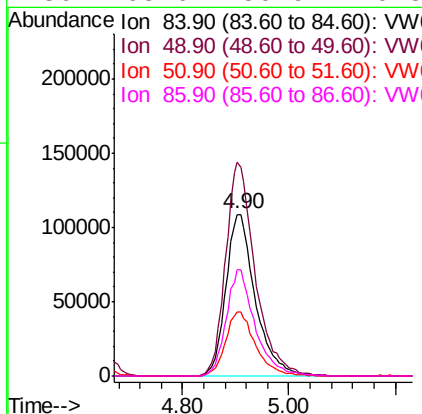
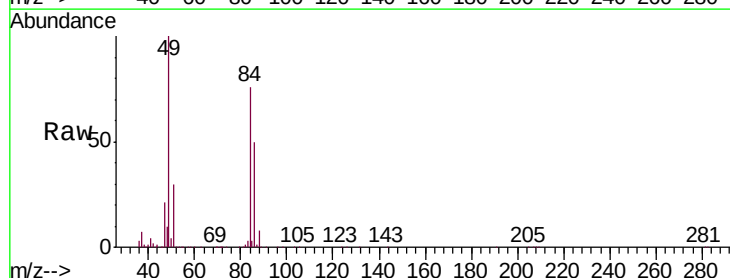
Tgt Ion: 73 Resp: 727878
 Ion Ratio Lower Upper
 73 100
 57 21.4 18.2 27.2

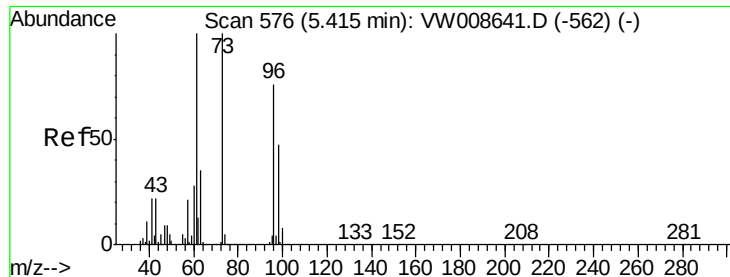


#20

Methylene Chloride
 Concen: 75.320 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Tgt Ion: 84 Resp: 421094
 Ion Ratio Lower Upper
 84 100
 49 132.1 113.3 169.9
 51 39.8 32.1 48.1
 86 65.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 101.622 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

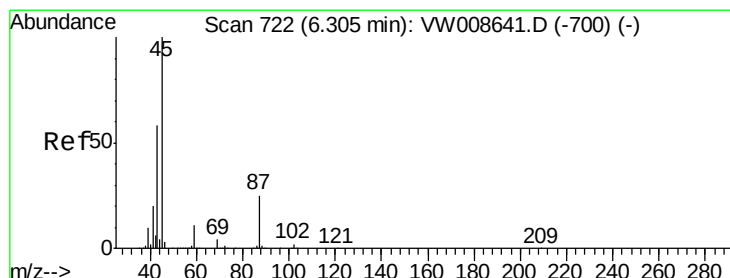
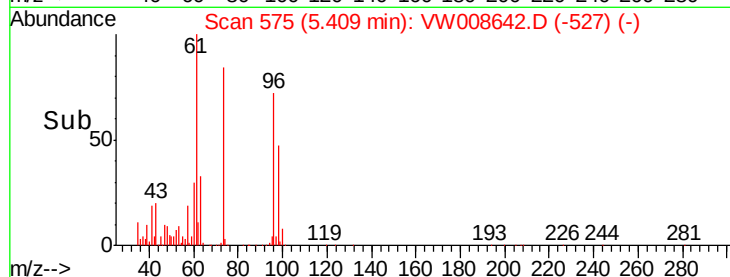
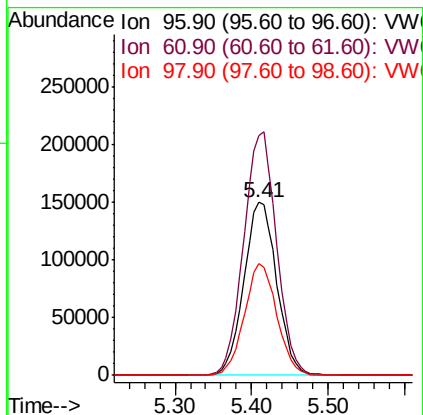
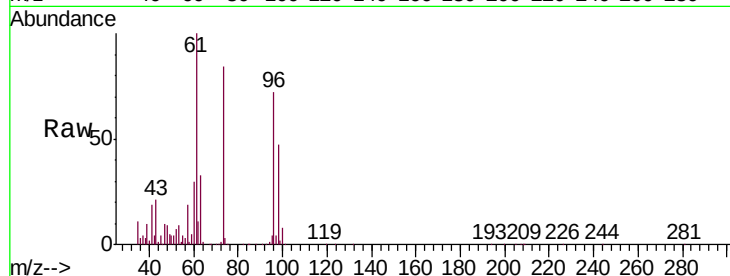
Tgt Ion: 96 Resp: 448675

Ion Ratio Lower Upper

96 100

61 138.3 105.9 158.9

98 64.9 49.8 74.6



#22

Diisopropyl ether

Concen: 104.611 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Tgt Ion: 45 Resp: 1410286

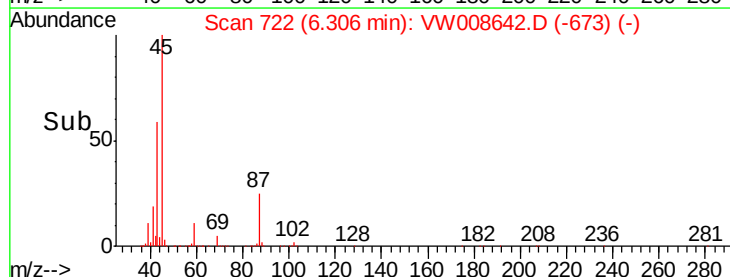
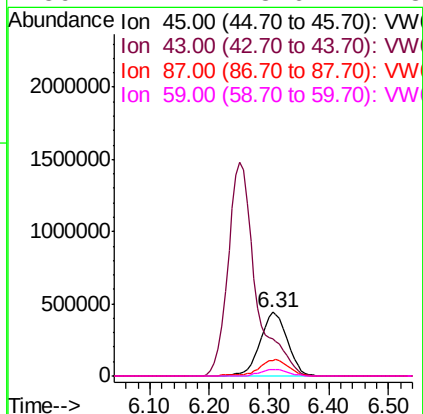
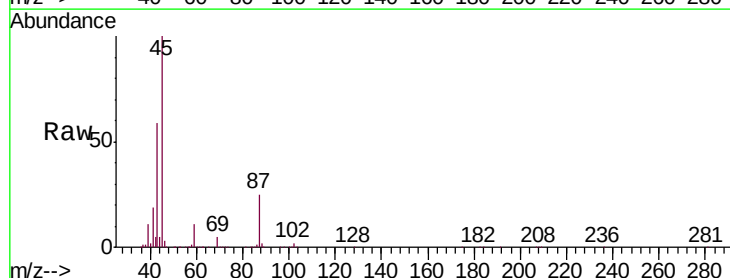
Ion Ratio Lower Upper

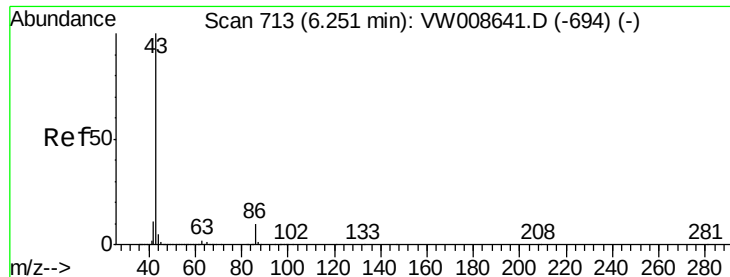
45 100

43 58.8 46.1 69.1

87 24.9 20.5 30.7

59 11.1 8.6 12.8





#23

Vinyl Acetate

Concen: 545.074 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

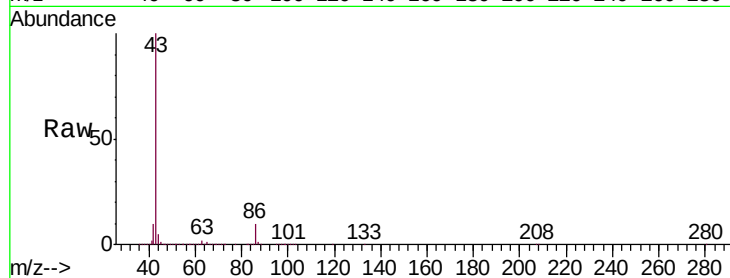
VSTDIC100

Tgt Ion: 43 Resp: 4769212

Ion Ratio Lower Upper

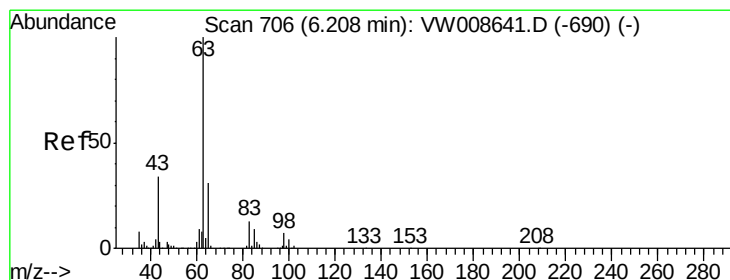
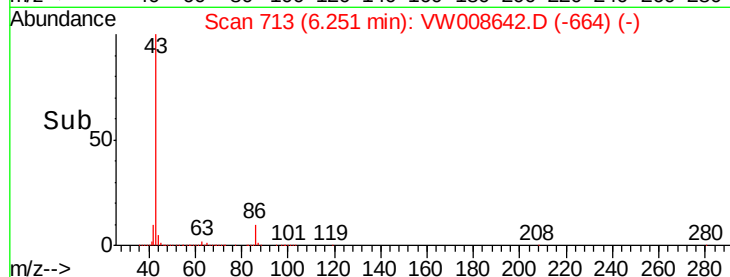
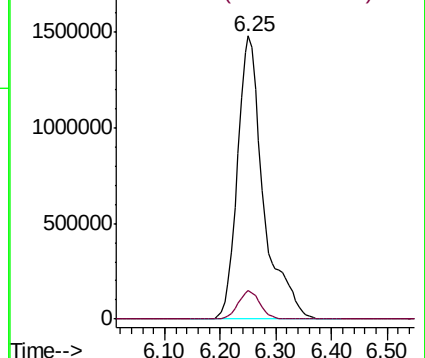
43 100

86 9.9 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 103.376 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

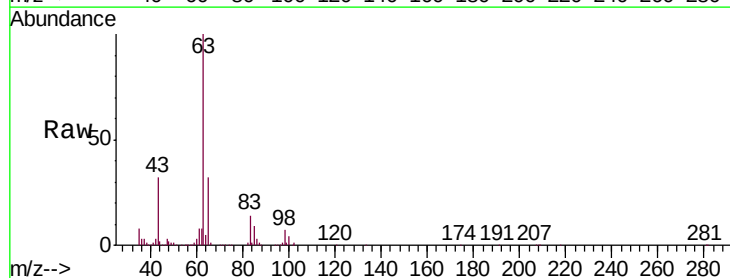
Tgt Ion: 63 Resp: 804192

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

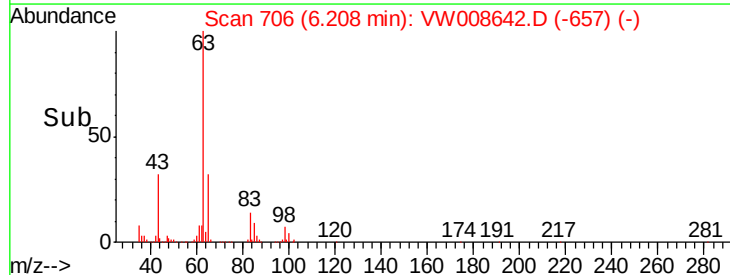
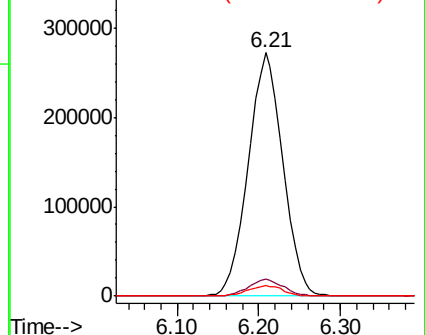
100 4.3 2.2 6.6

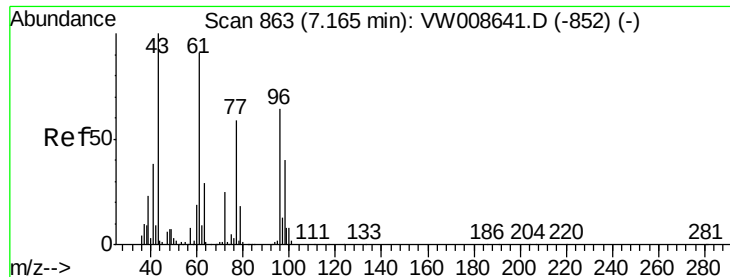


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 531.888 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

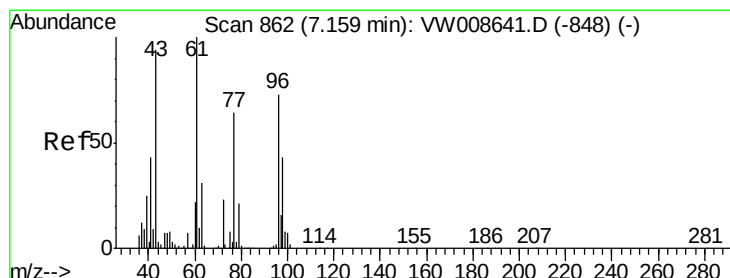
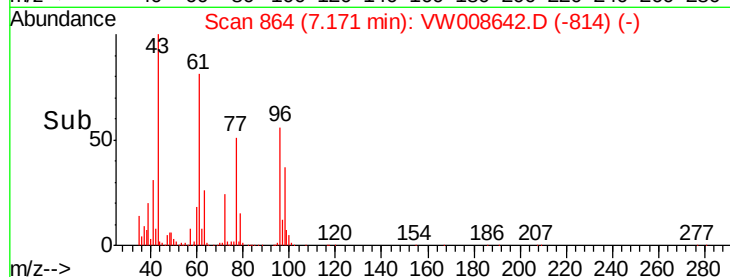
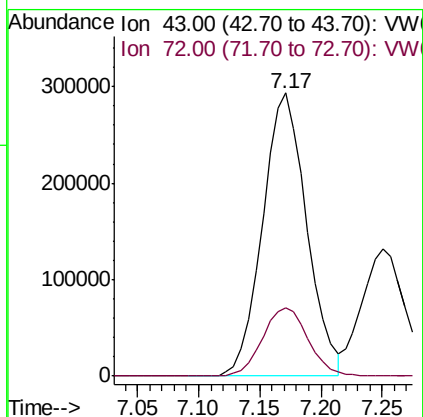
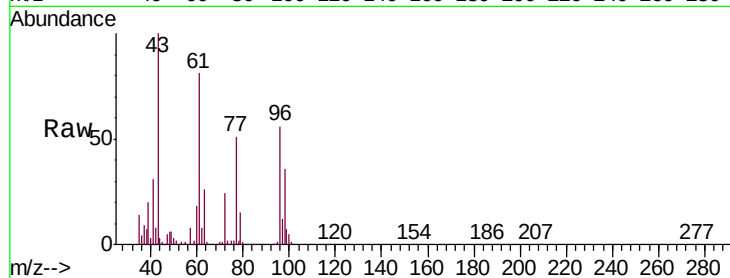
VSTDIC100

Tgt Ion: 43 Resp: 733759

Ion Ratio Lower Upper

43 100

72 24.1 19.7 29.5



#26

2,2-Dichloropropane

Concen: 101.207 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW008642.D

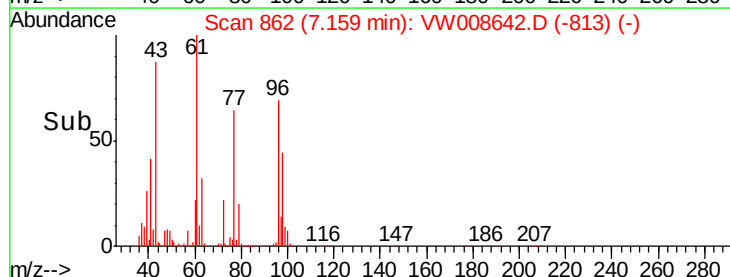
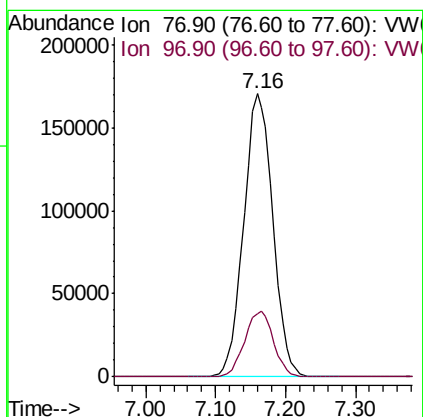
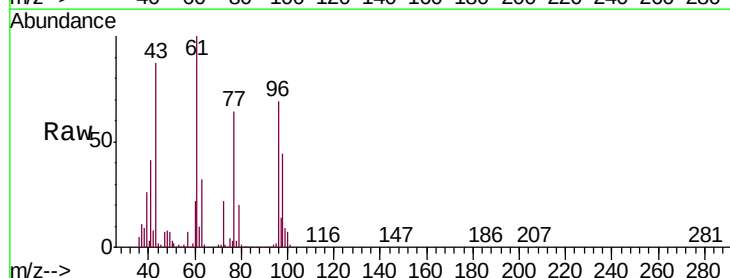
Acq: 13 Feb 2019 16:03

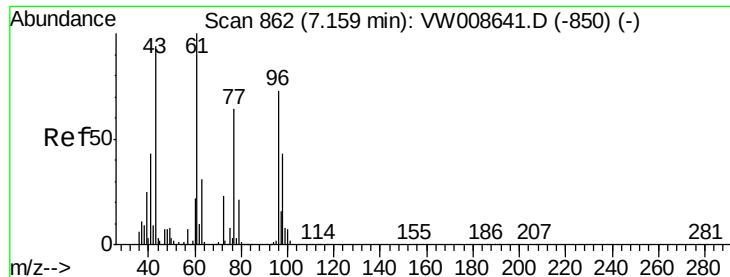
Tgt Ion: 77 Resp: 491846

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0



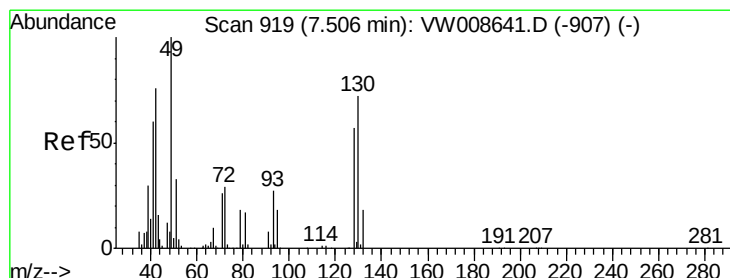
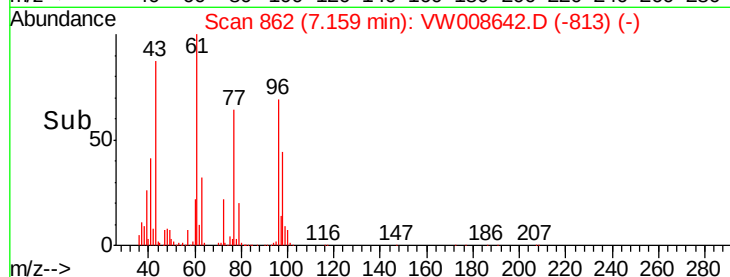
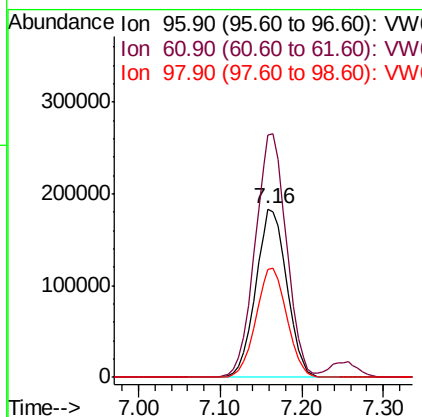
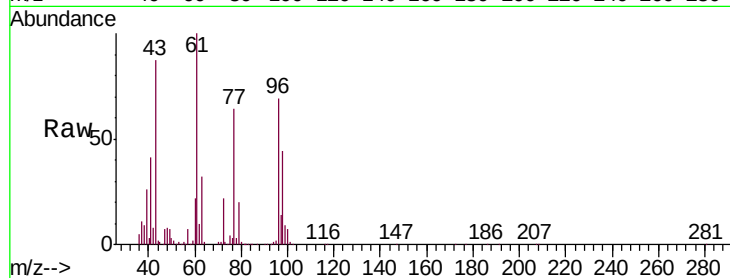


#27

cis-1,2-Dichloroethene
 Concen: 101.843 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

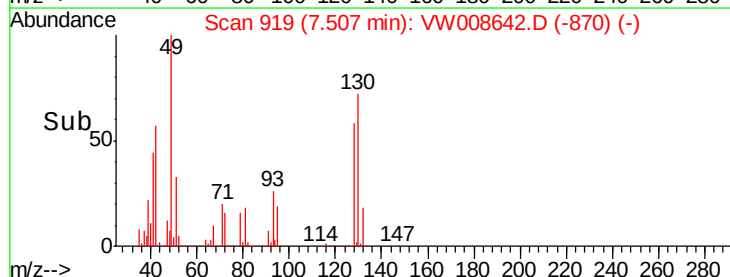
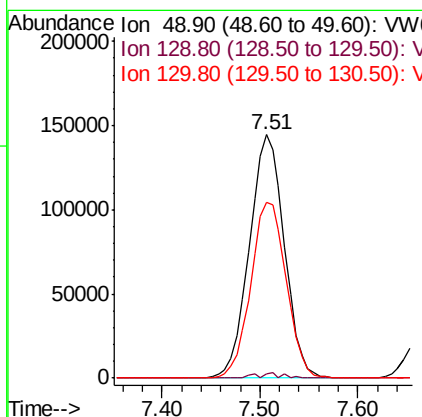
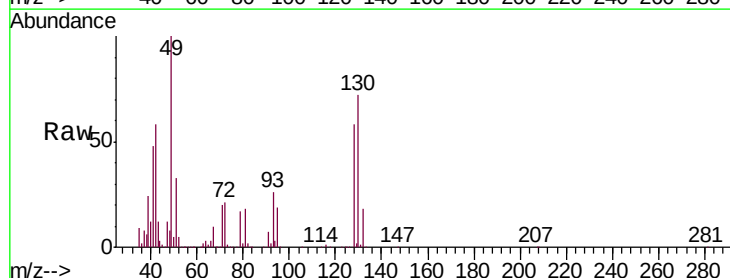
Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	286.4
98	64.7	0.0	125.0

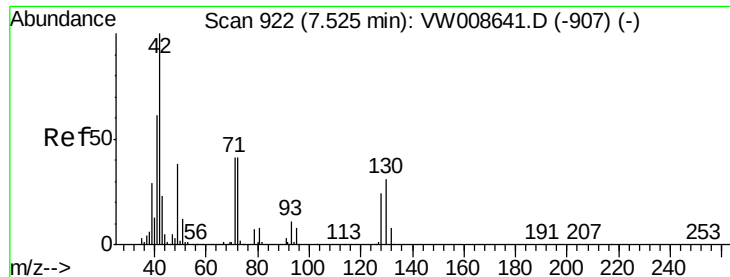


#28

Bromochloromethane
 Concen: 108.883 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.2
130	73.5	59.4	89.0





#29

Tetrahydrofuran

Concen: 526.338 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

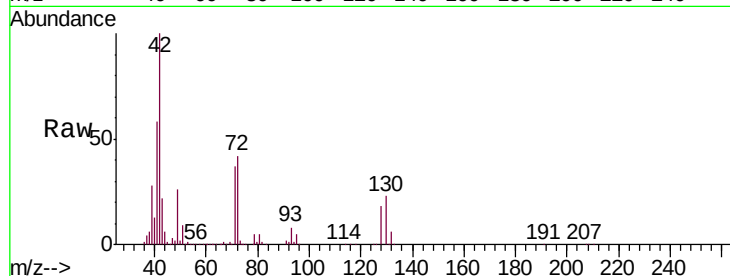
Tgt Ion: 42 Resp: 478586

Ion Ratio Lower Upper

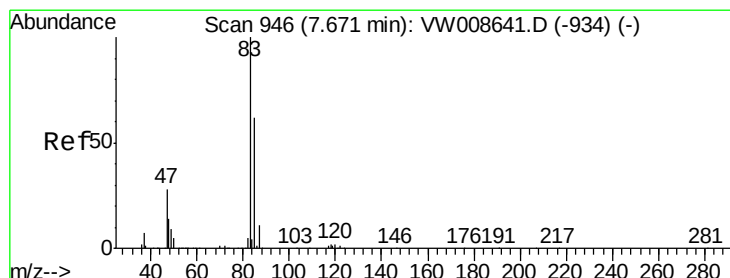
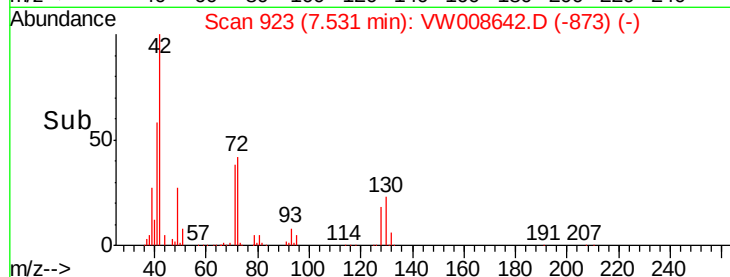
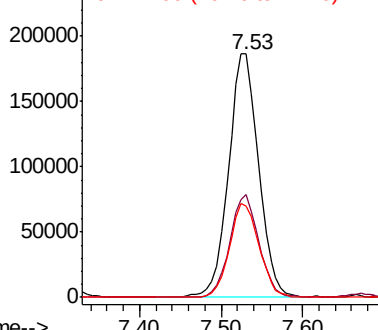
42 100

72 40.8 32.2 48.2

71 37.9 31.0 46.6



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 103.529 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008642.D

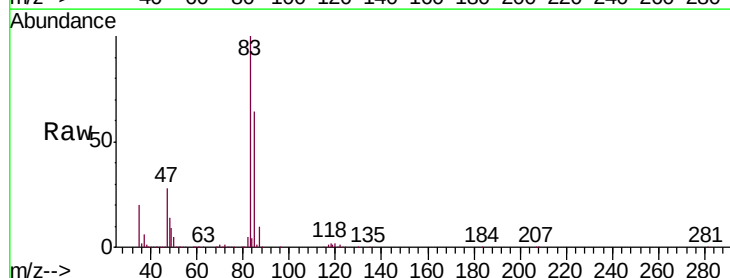
Acq: 13 Feb 2019 16:03

Tgt Ion: 83 Resp: 806994

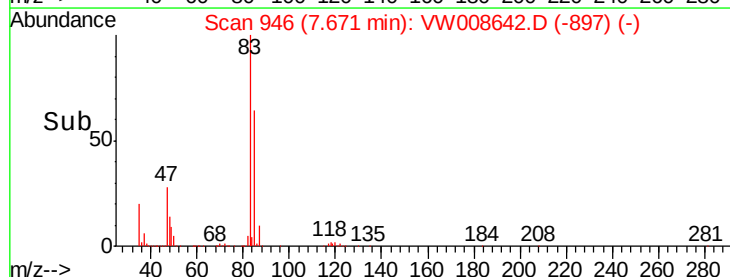
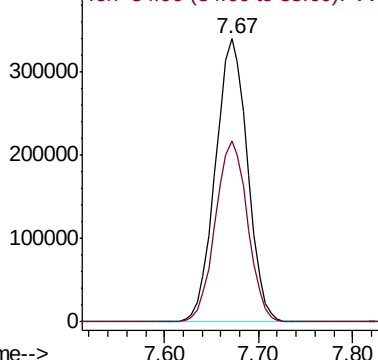
Ion Ratio Lower Upper

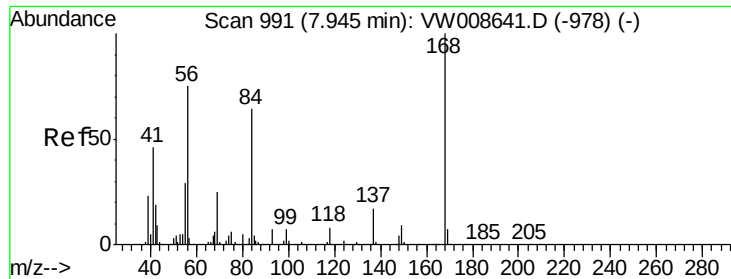
83 100

85 64.0 49.8 74.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

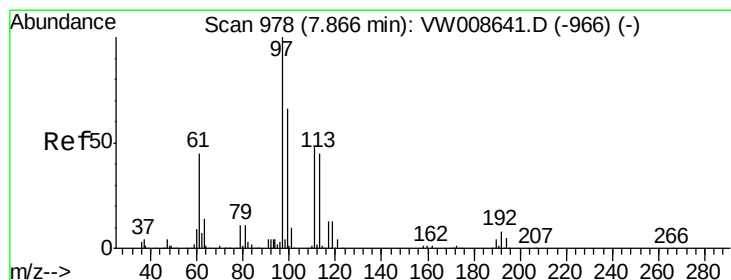
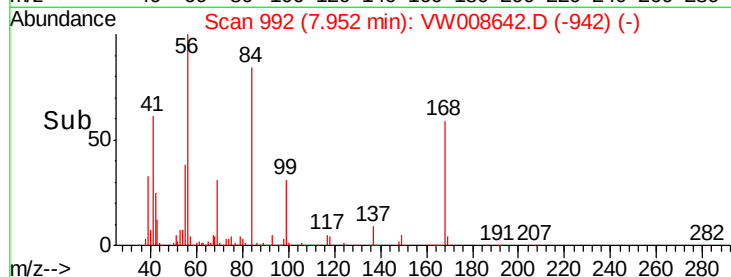
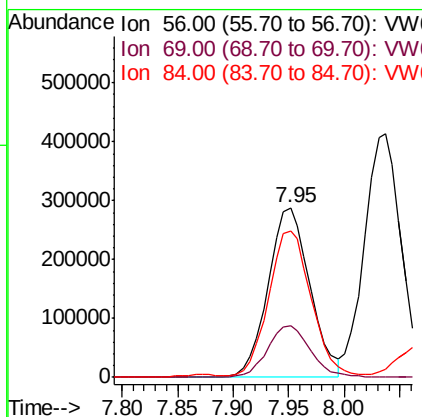
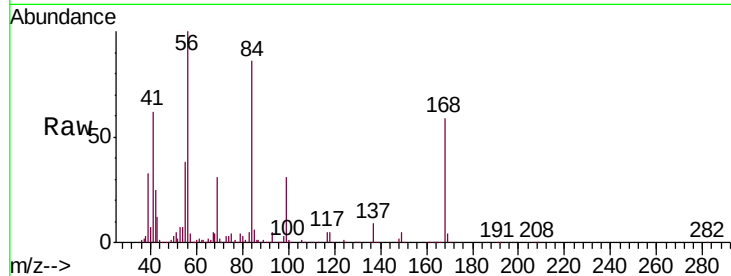




#31
Cyclohexane
Concen: 95.977 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

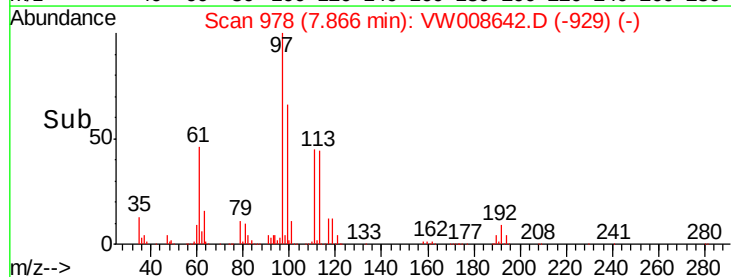
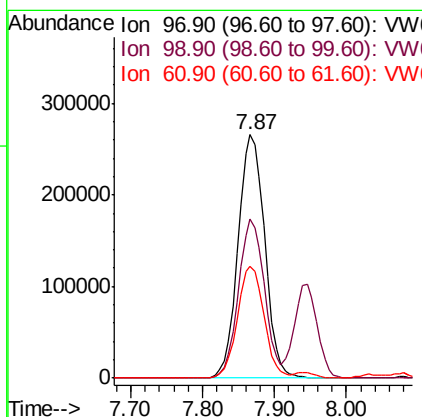
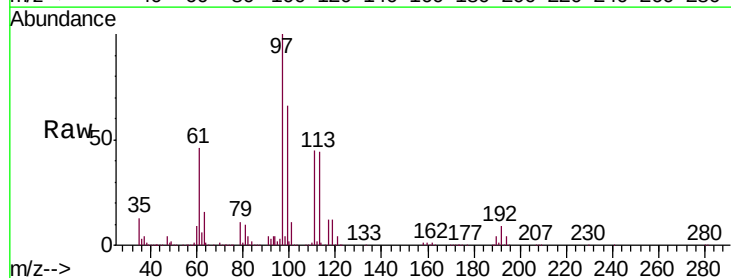
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

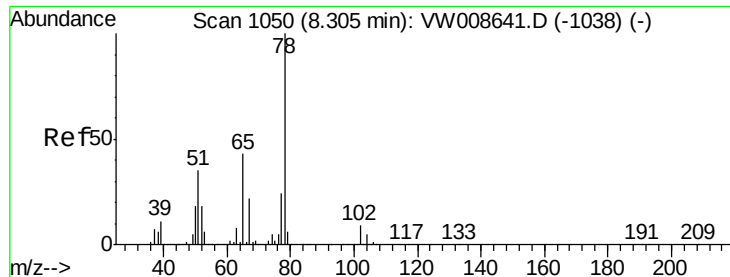
Tgt Ion: 56 Resp: 753601
Ion Ratio Lower Upper
56 100
69 30.6 26.4 39.6
84 84.8 67.4 101.2



#32
1,1,1-Trichloroethane
Concen: 103.722 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion: 97 Resp: 682822
Ion Ratio Lower Upper
97 100
99 63.8 51.6 77.4
61 45.6 35.8 53.6

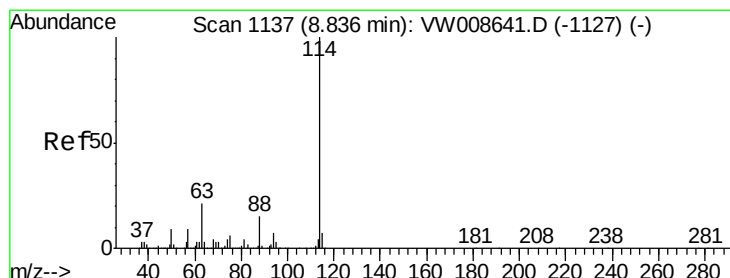
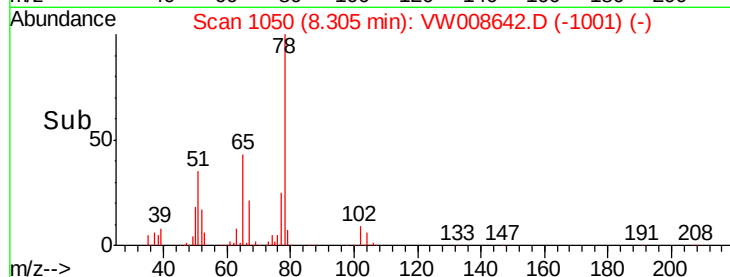
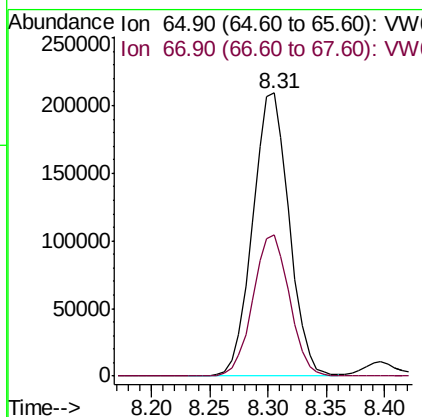
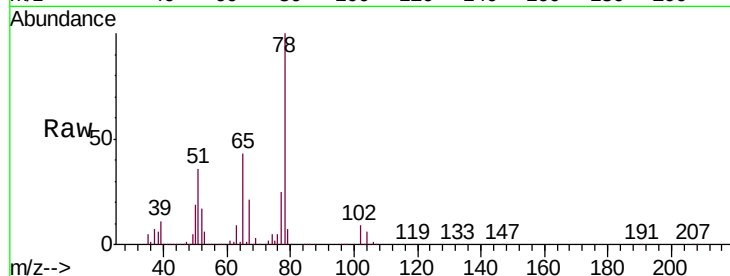




#33
 1,2-Dichloroethane-d4
 Concen: 106.394 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

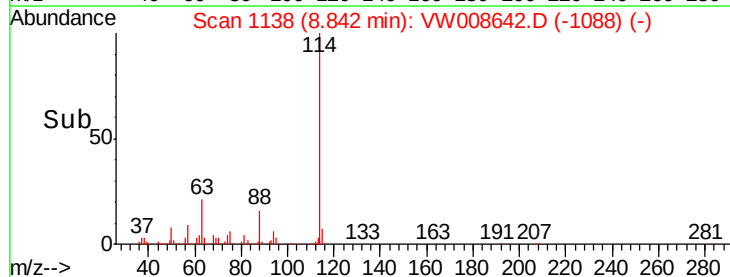
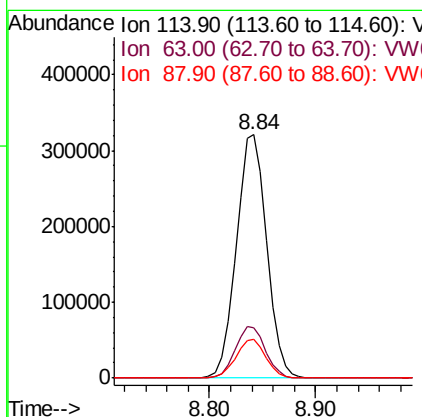
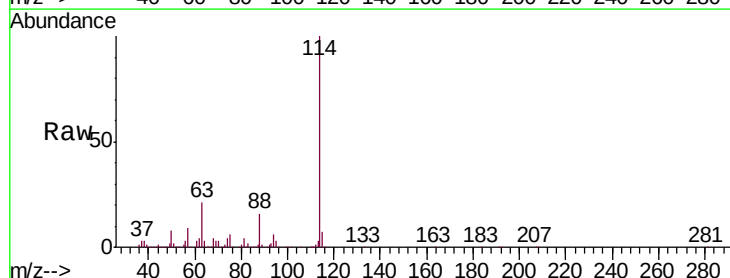
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

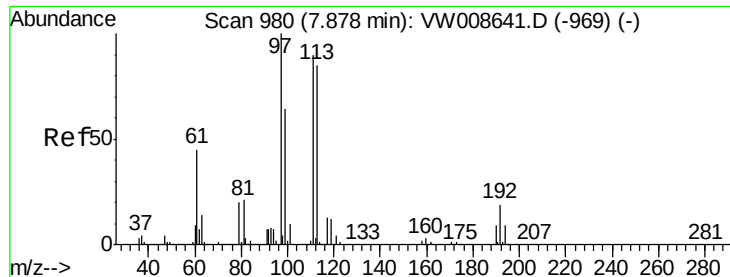
Tgt Ion: 65 Resp: 456783
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Tgt Ion: 114 Resp: 641634
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.2
 88 16.1 0.0 29.6

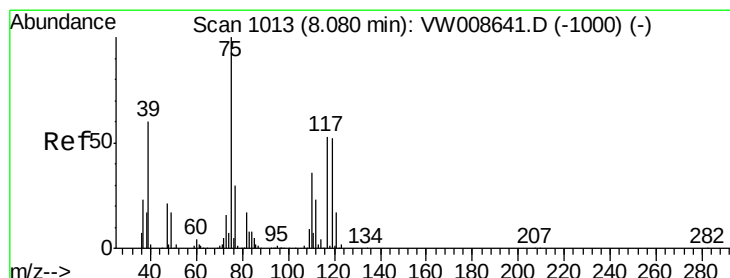
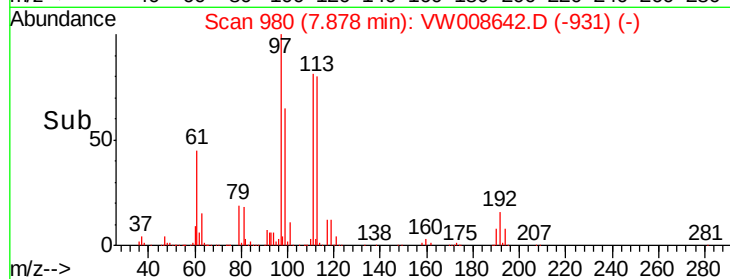
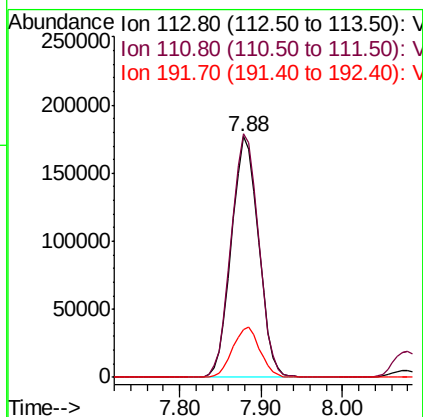
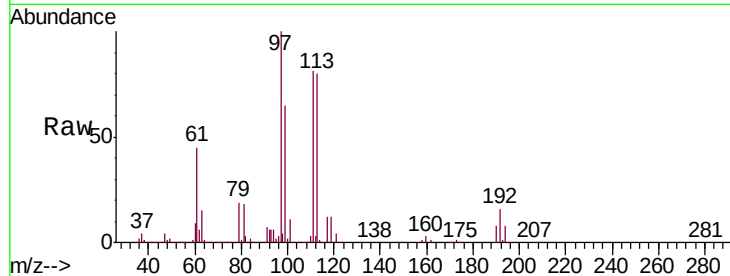




#35
 Dibromofluoromethane
 Concen: 102.016 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

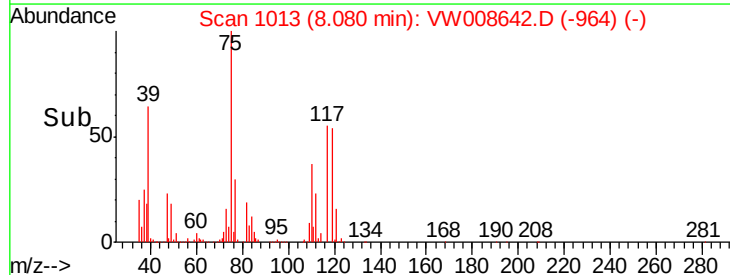
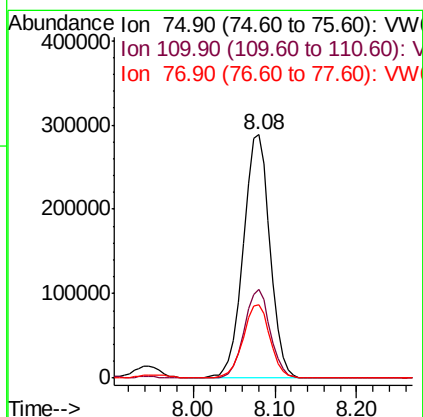
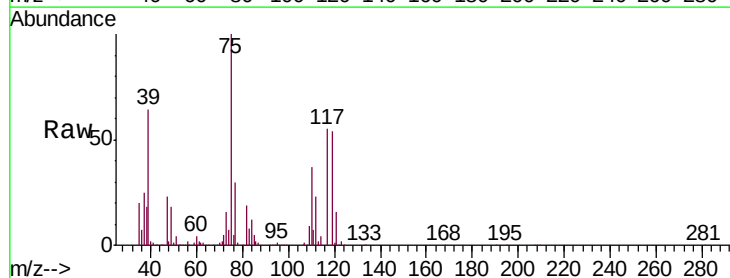
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

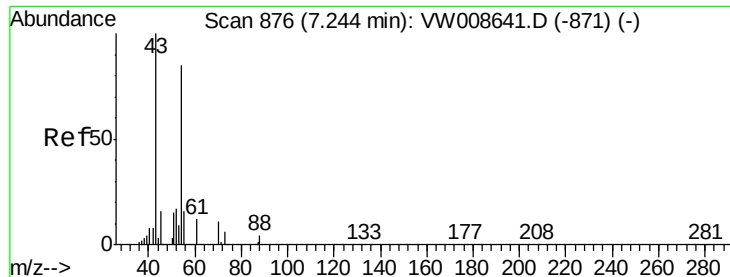
Tgt Ion: 113 Resp: 406447
 Ion Ratio Lower Upper
 113 100
 111 102.7 84.0 126.0
 192 21.0 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 101.406 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Tgt Ion: 75 Resp: 653701
 Ion Ratio Lower Upper
 75 100
 110 35.5 17.8 53.3
 77 30.8 24.7 37.1

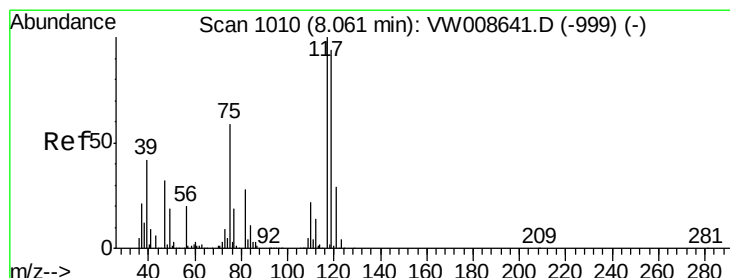
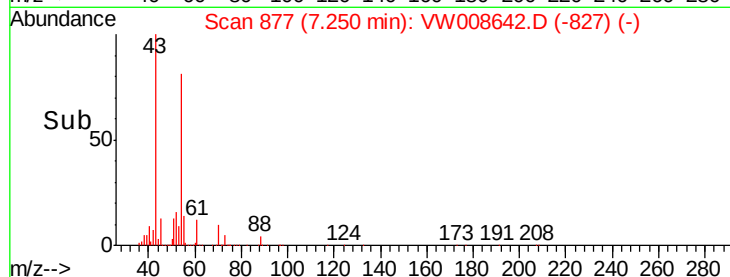
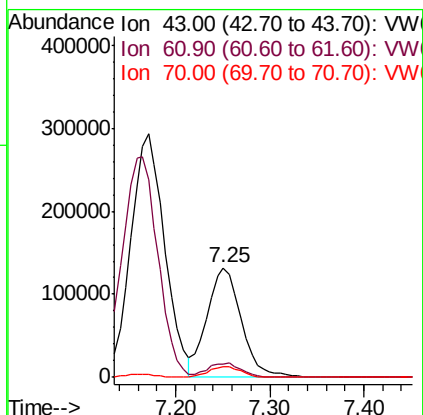
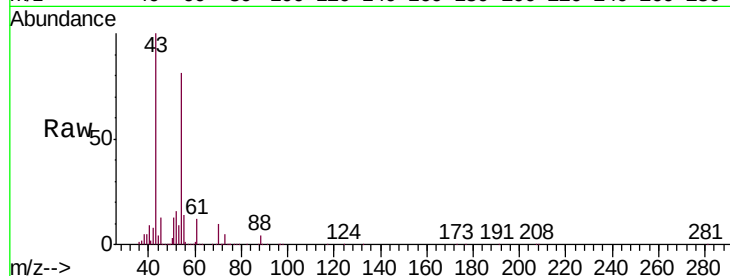




#37
Ethyl Acetate
Concen: 106.584 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

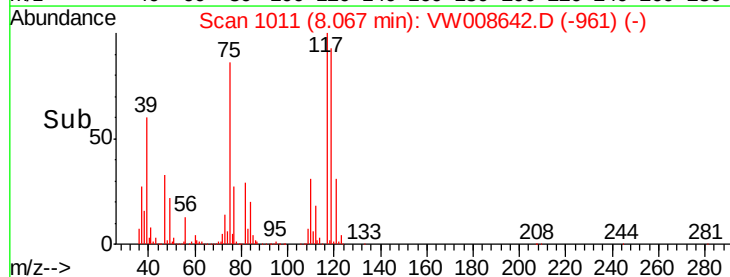
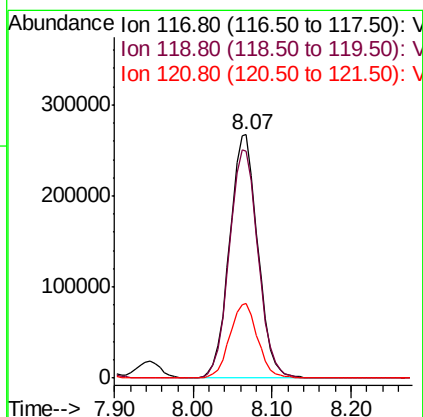
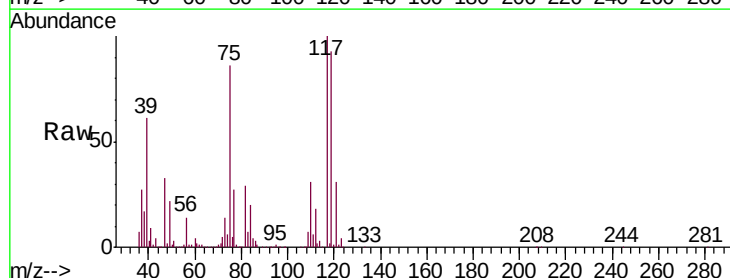
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

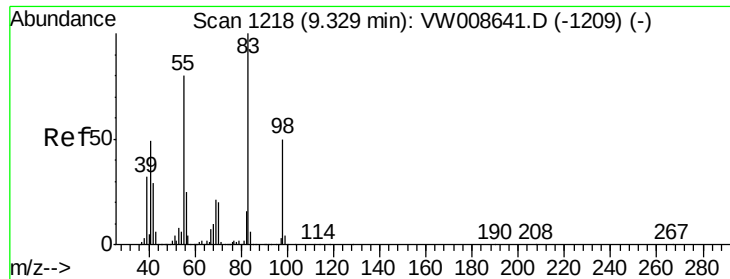
Tgt Ion:	43	Resp:	331435
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.8	8.1	12.1



#38
Carbon Tetrachloride
Concen: 103.943 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion:	117	Resp:	666288
Ion	Ratio	Lower	Upper
117	100		
119	93.4	75.1	112.7
121	30.8	23.5	35.3

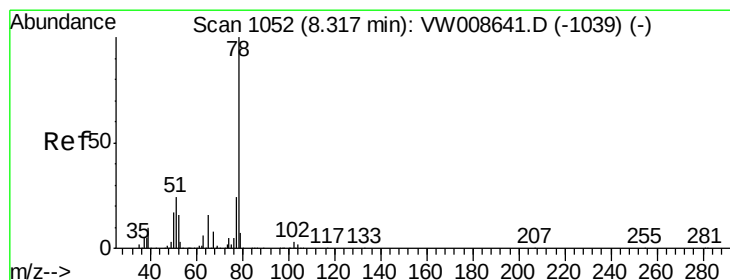
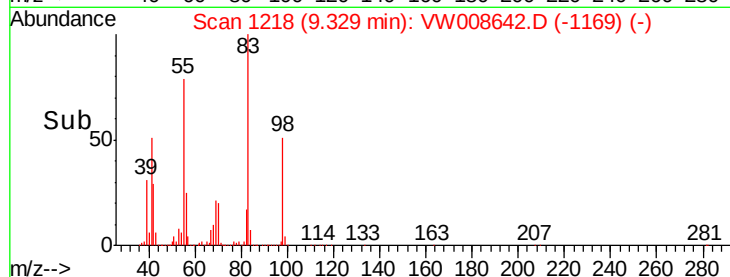
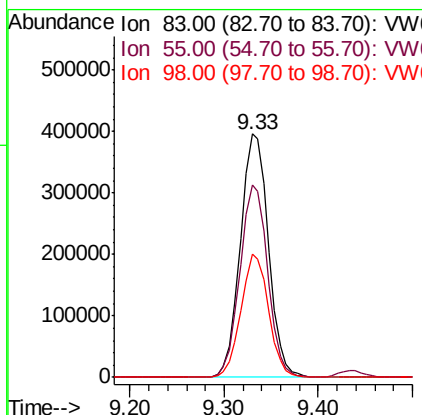
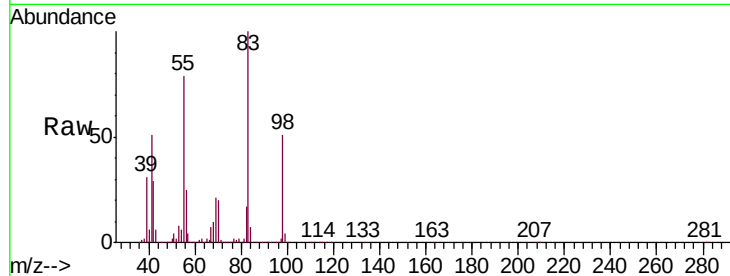




#39
Methylcyclohexane
Concen: 101.365 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

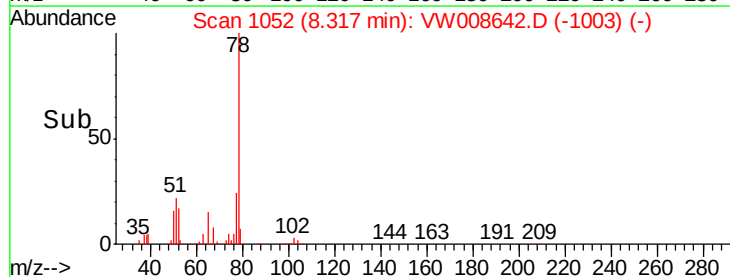
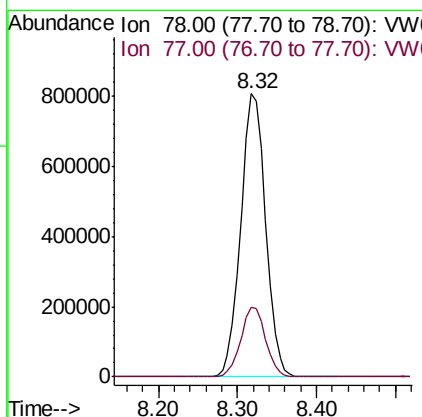
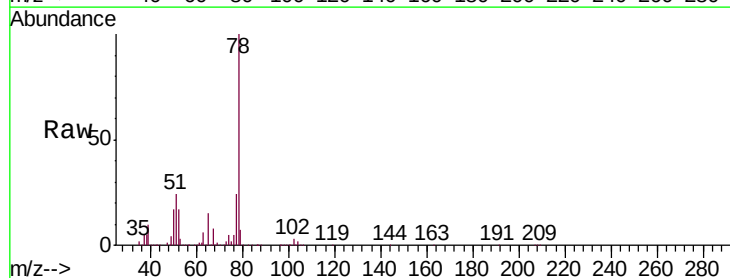
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

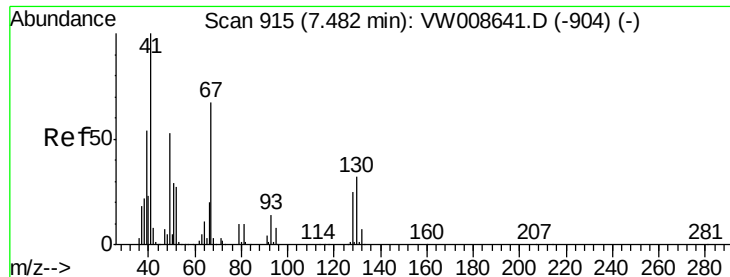
Tgt Ion: 83 Resp: 826487
Ion Ratio Lower Upper
83 100
55 79.2 63.9 95.9
98 50.6 40.2 60.2



#40
Benzene
Concen: 100.828 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion: 78 Resp: 1775137
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3

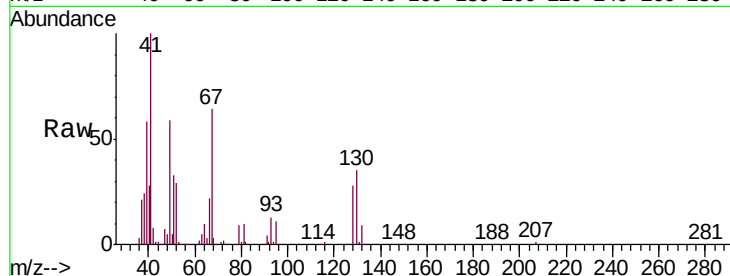




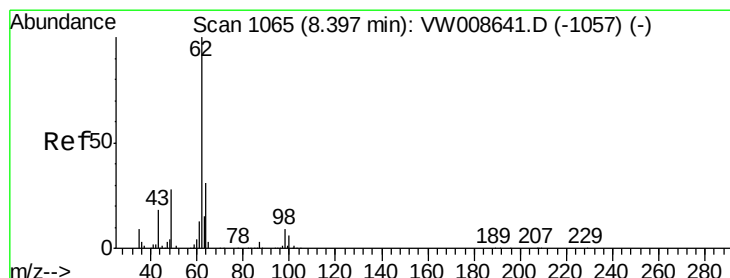
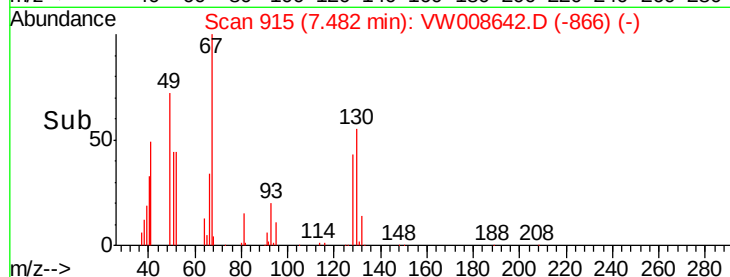
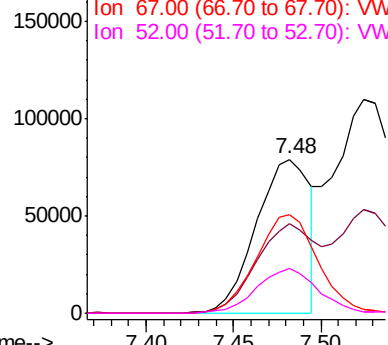
#41
Methacrylonitrile
Concen: 96.853 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	169453
Ion	Ratio	Lower	Upper
41	100		
39	65.0	39.7	59.5#
67	73.8	52.5	78.7
52	33.7	23.1	34.7

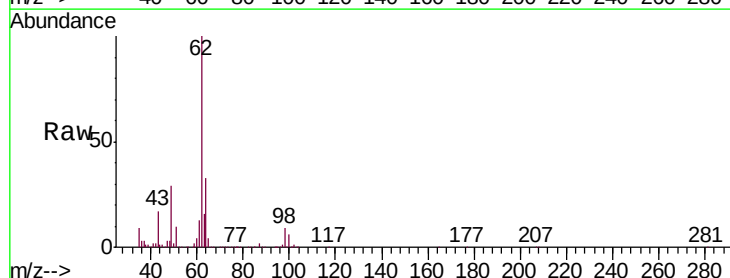


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

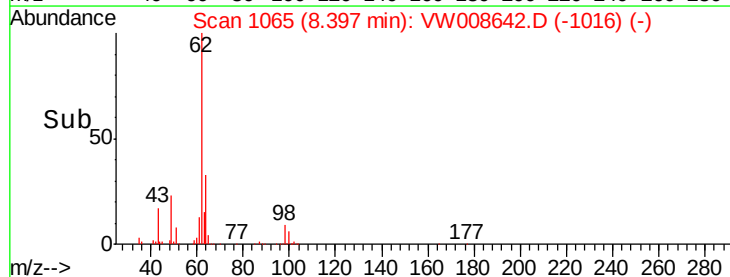
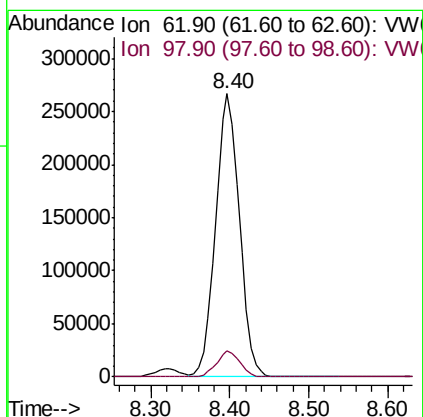


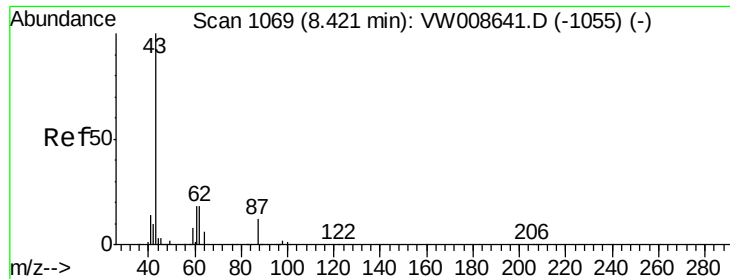
#42
1,2-Dichloroethane
Concen: 102.440 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion:	62	Resp:	559416
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



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





#43

Isopropyl Acetate

Concen: 107.606 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

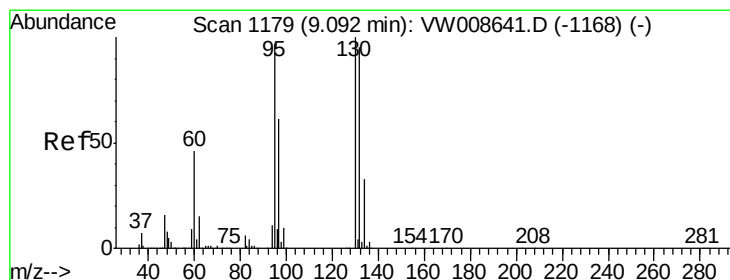
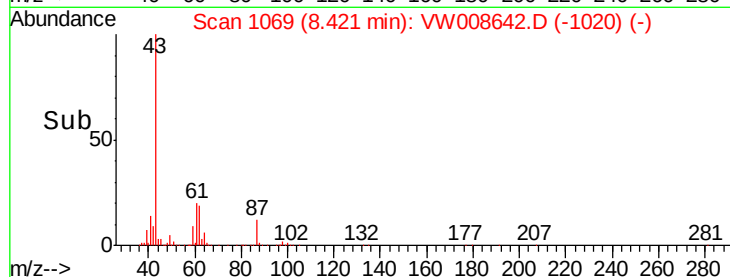
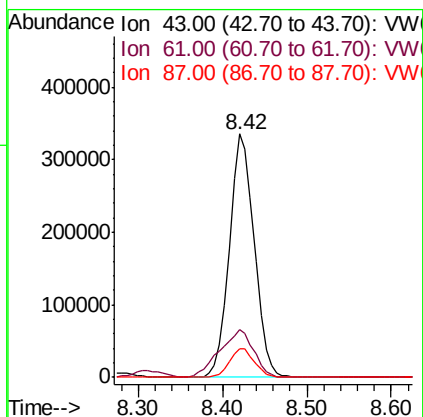
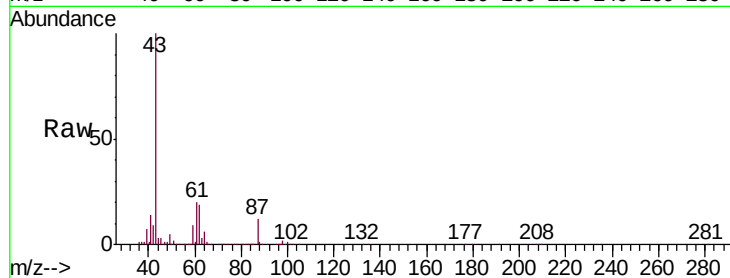
Tgt Ion: 43 Resp: 667222

Ion Ratio Lower Upper

43 100

61 26.9 21.4 32.2

87 11.9 9.8 14.8



#44

Trichloroethene

Concen: 100.542 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008642.D

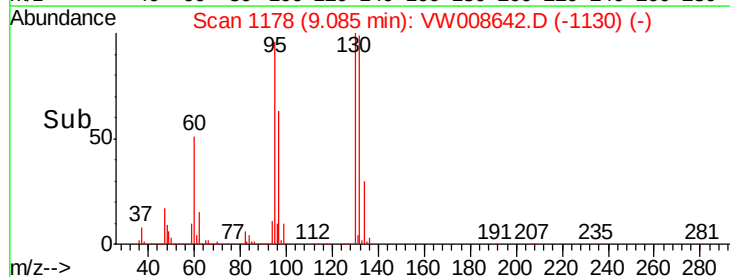
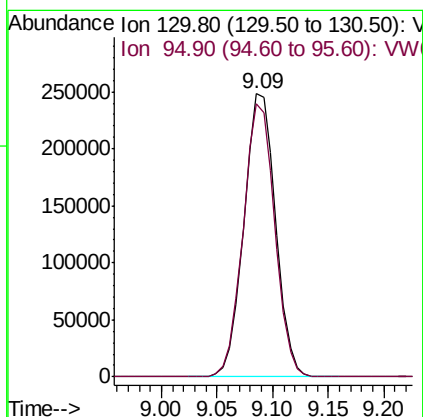
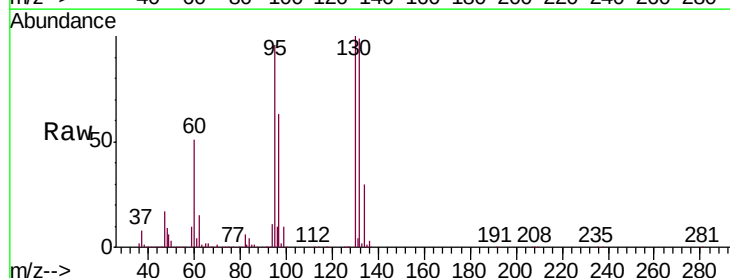
Acq: 13 Feb 2019 16:03

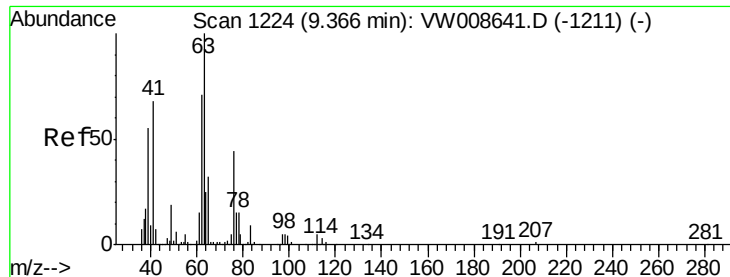
Tgt Ion: 130 Resp: 490789

Ion Ratio Lower Upper

130 100

95 96.3 0.0 193.4

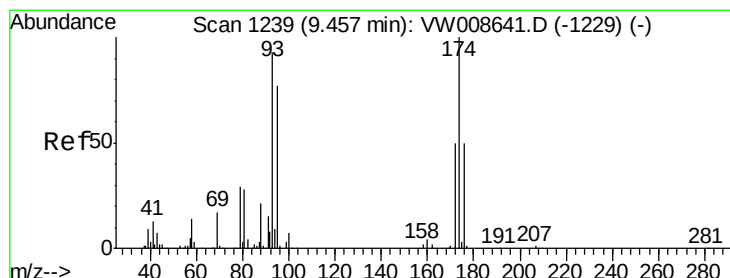
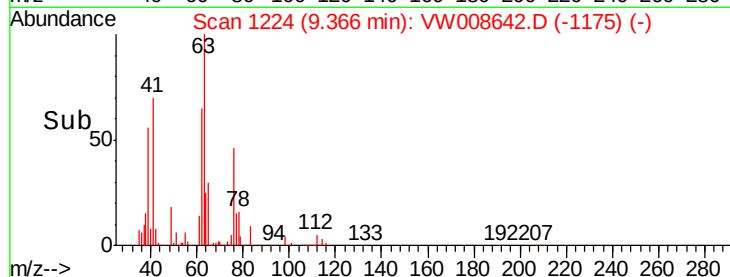
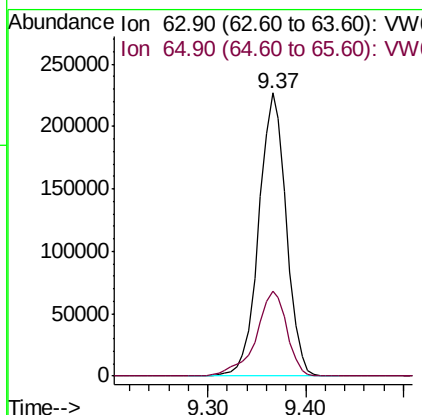
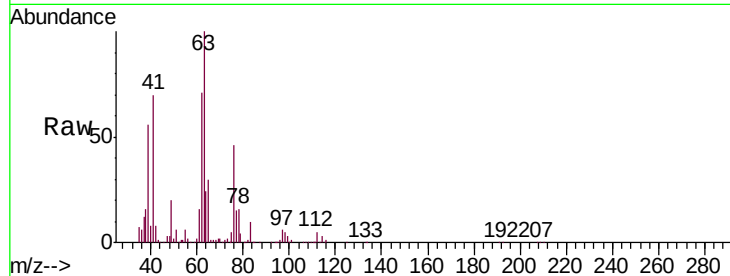




#45
 1,2-Dichloropropane
 Concen: 101.832 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

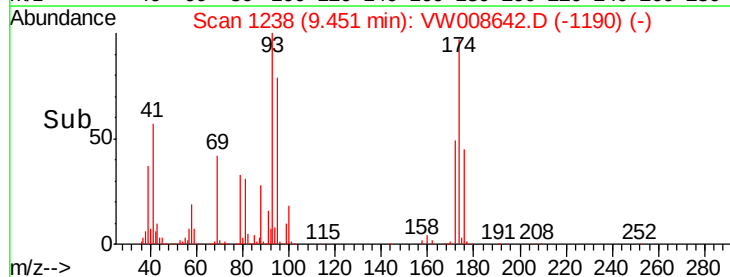
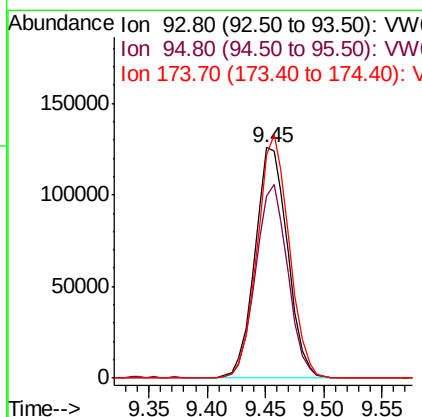
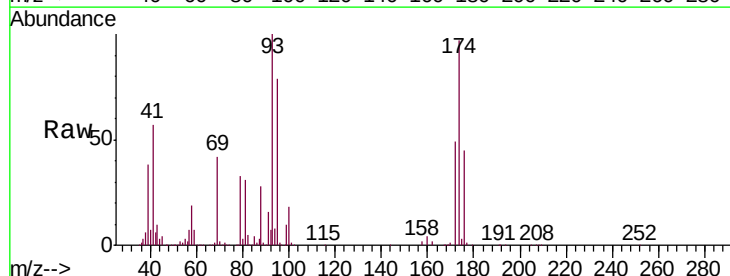
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

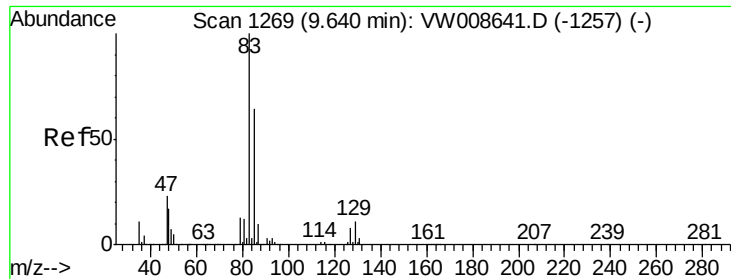
Tgt Ion: 63 Resp: 443688
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.4 38.0



#46
 Dibromomethane
 Concen: 102.568 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Tgt Ion: 93 Resp: 246179
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.8 98.8
 174 103.1 82.5 123.7





#47

Bromodichloromethane

Concen: 107.081 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

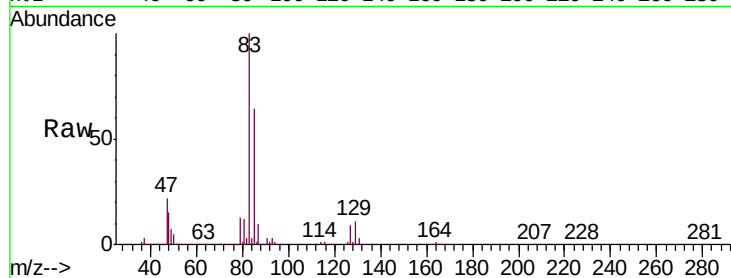
Tgt Ion: 83 Resp: 617669

Ion Ratio Lower Upper

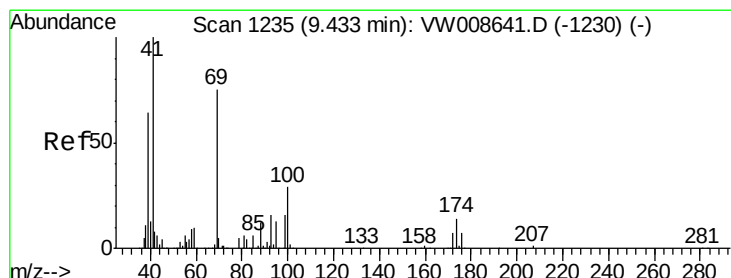
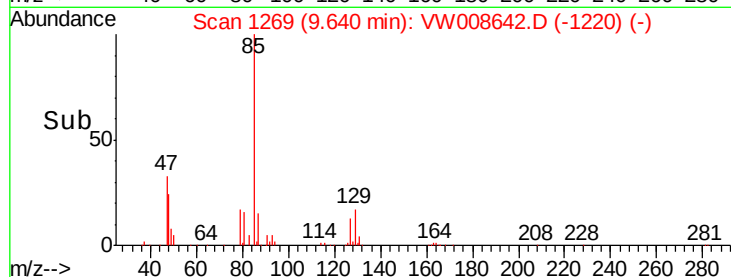
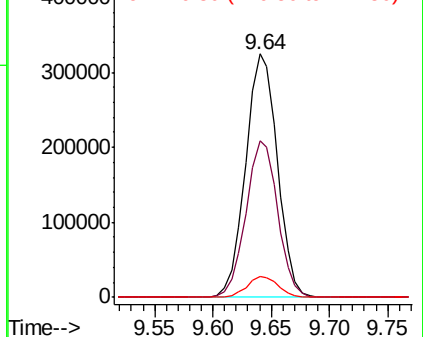
83 100

85 64.4 51.2 76.8

127 8.6 6.4 9.6



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



#48

Methyl methacrylate

Concen: 109.551 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

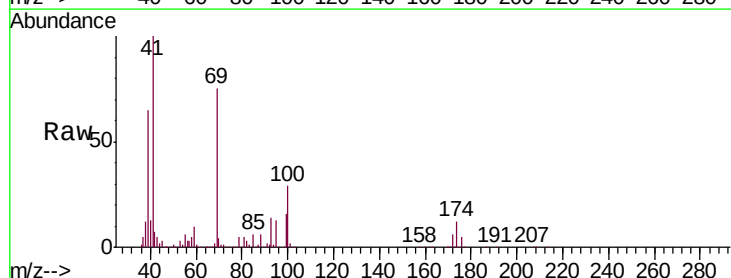
Tgt Ion: 41 Resp: 314803

Ion Ratio Lower Upper

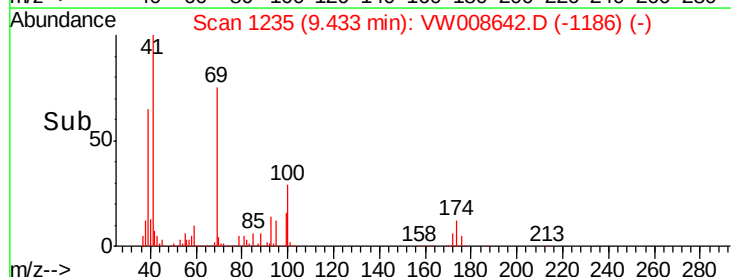
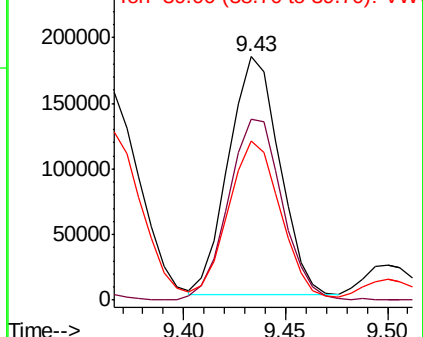
41 100

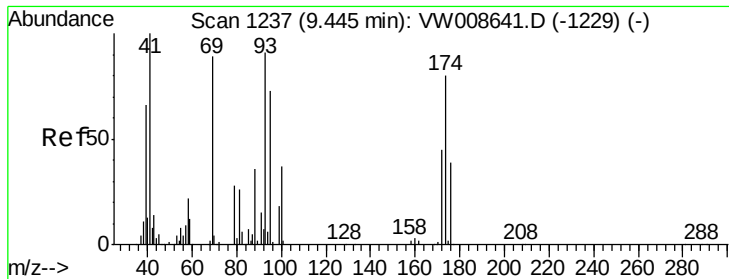
69 80.5 64.1 96.1

39 66.1 52.3 78.5



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





#49

1,4-Dioxane

Concen: 2061.705 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

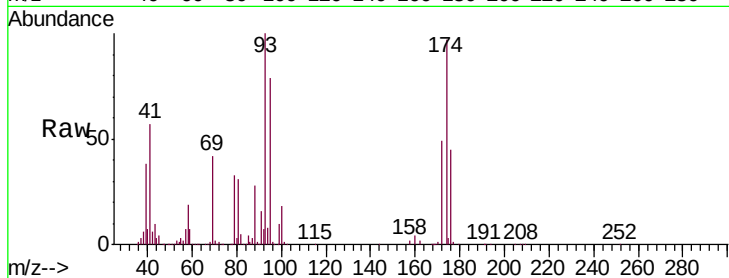
Tgt Ion: 88 Resp: 78988

Ion Ratio Lower Upper

88 100

43 33.4 31.0 46.6

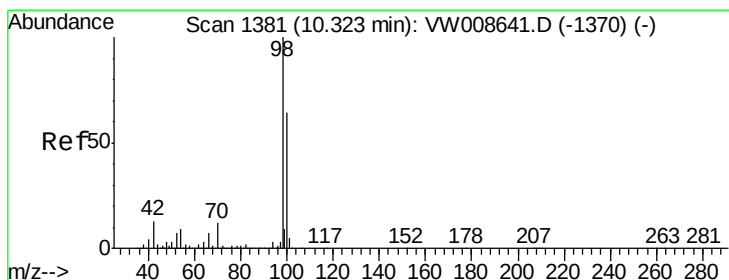
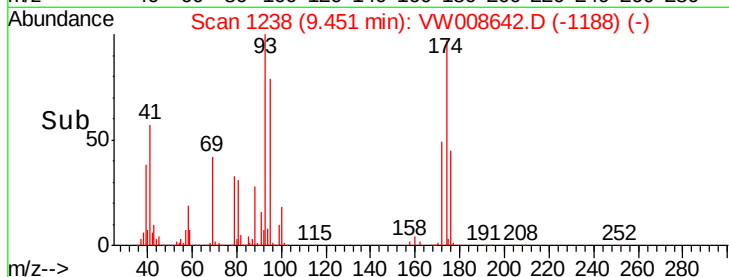
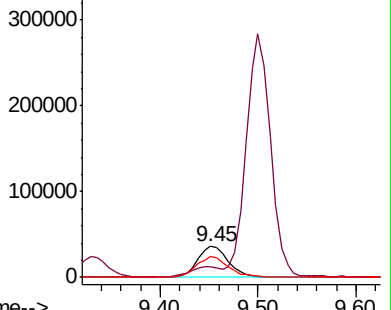
58 70.7 57.0 85.6



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: 103.006 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008642.D

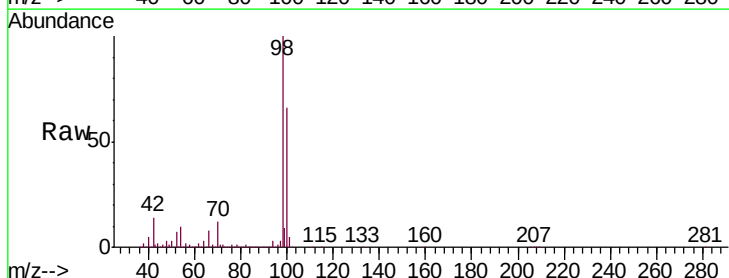
Acq: 13 Feb 2019 16:03

Tgt Ion: 98 Resp: 1582016

Ion Ratio Lower Upper

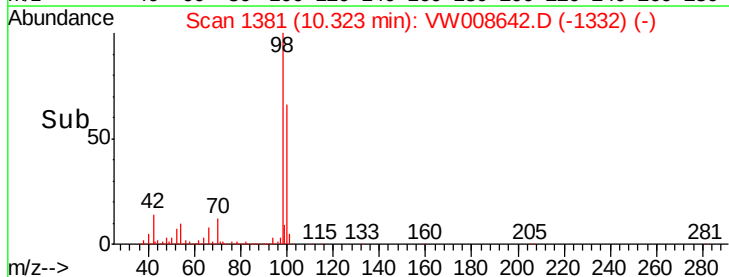
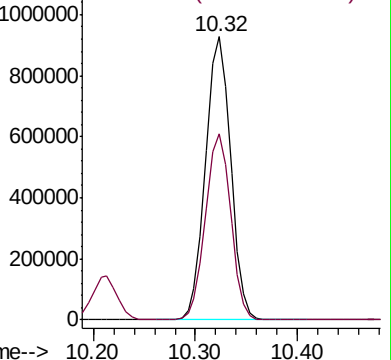
98 100

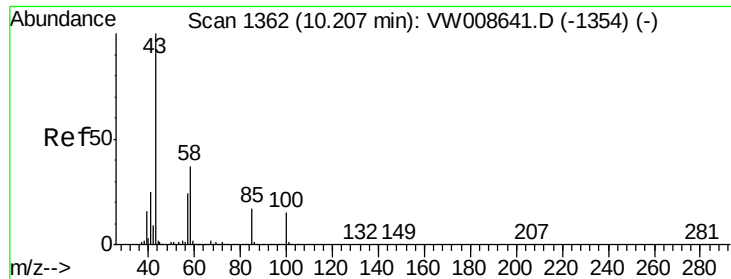
100 66.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

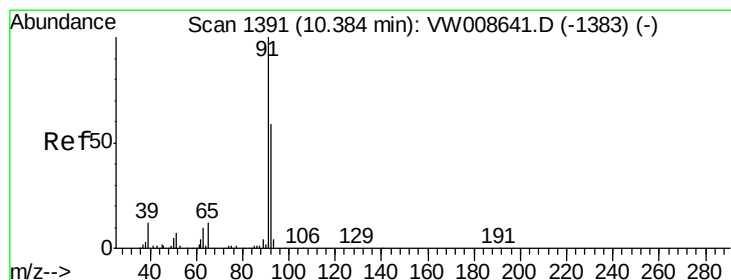
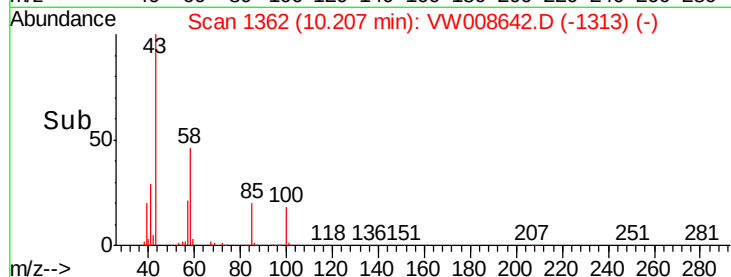
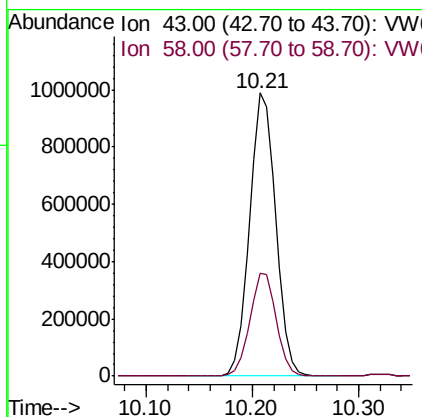
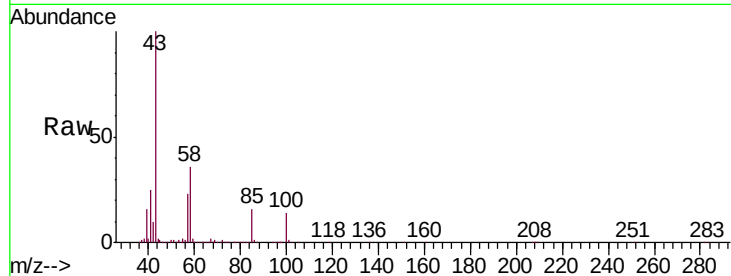




#51
 4-Methyl-2-Pentanone
 Concen: 535.907 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

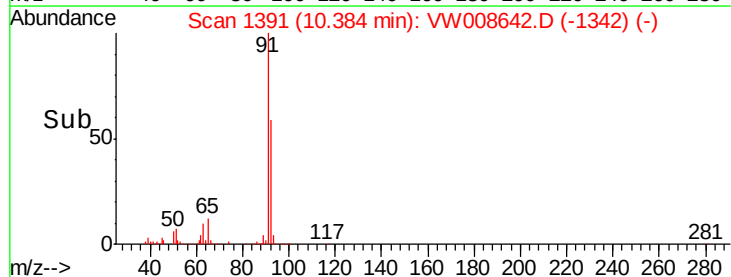
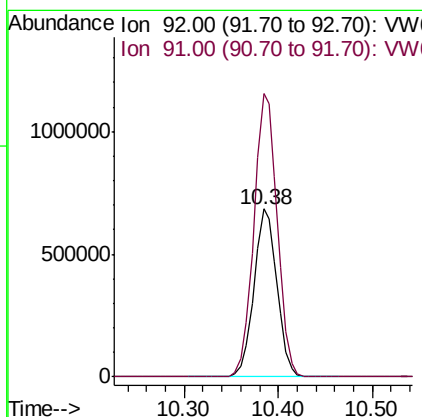
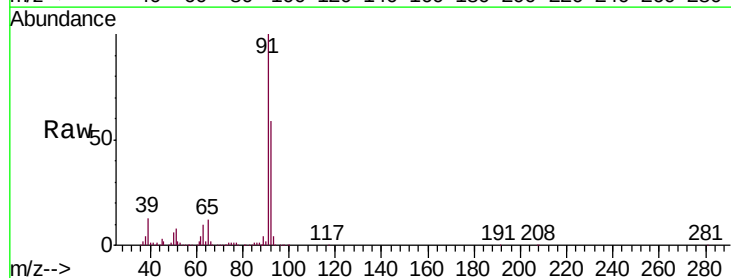
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

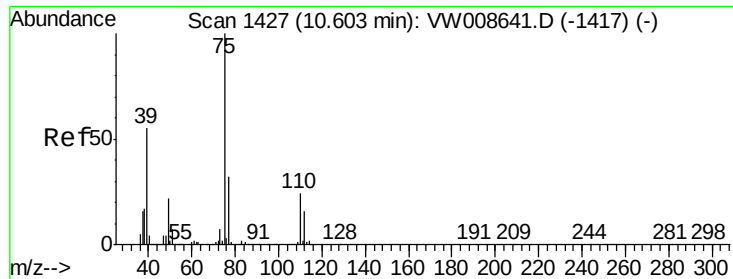
Tgt Ion: 43 Resp: 1706962
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.0 43.6



#52
 Toluene
 Concen: 103.715 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Tgt Ion: 92 Resp: 1177969
 Ion Ratio Lower Upper
 92 100
 91 170.8 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 109.989 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

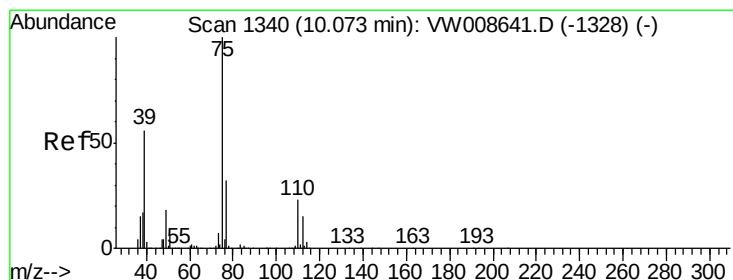
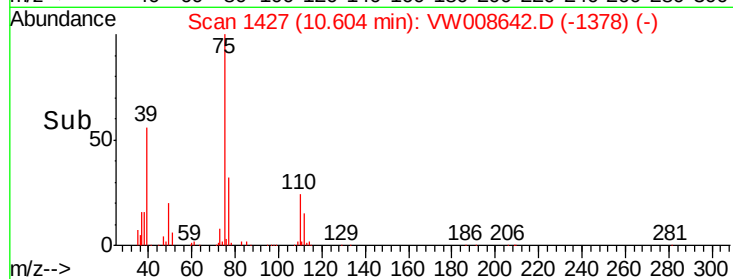
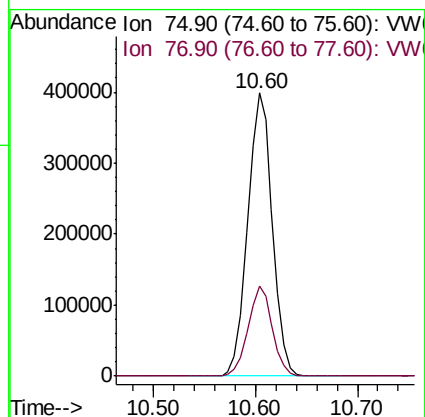
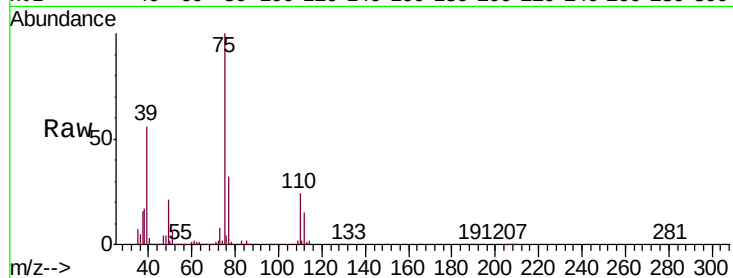
VSTDIC100

Tgt Ion: 75 Resp: 666510

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 106.625 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

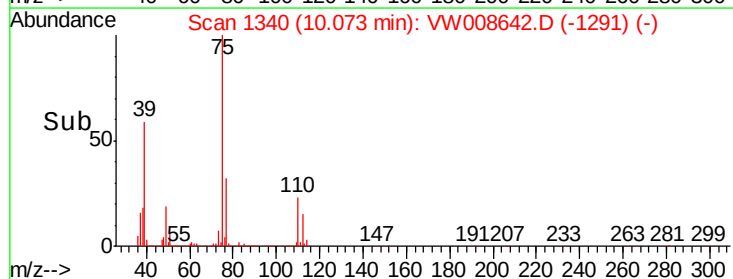
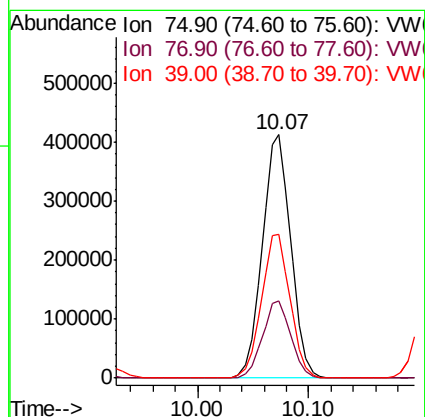
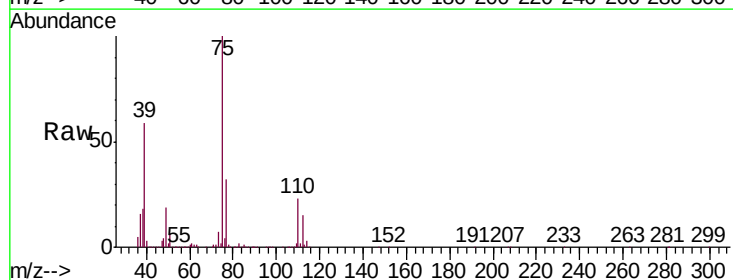
Tgt Ion: 75 Resp: 732440

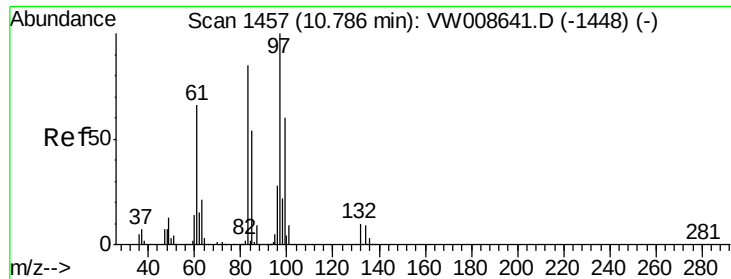
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 58.8 44.5 66.7

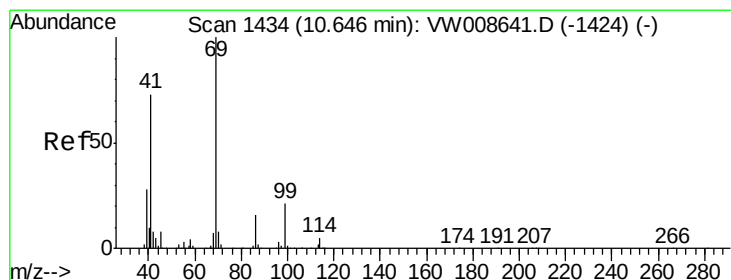
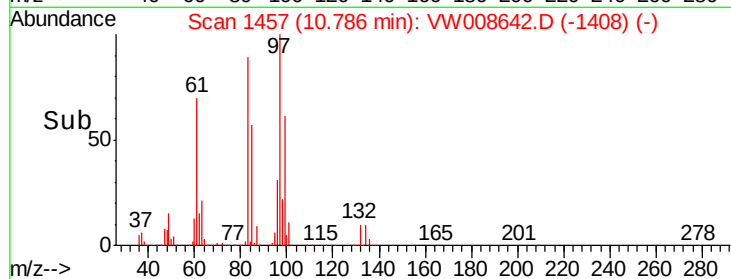
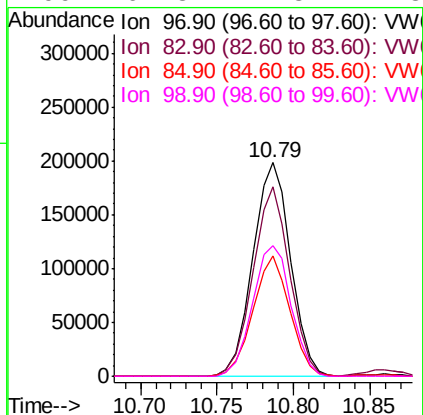
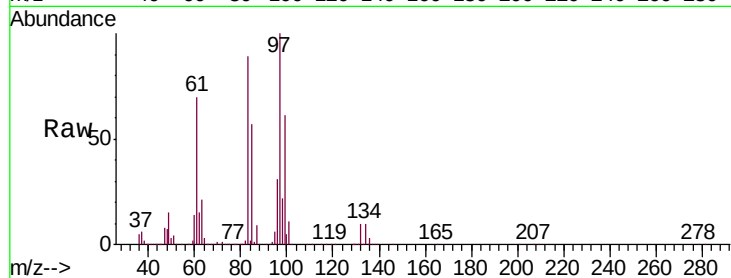




#55
 1,1,2-Trichloroethane
 Concen: 103.308 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

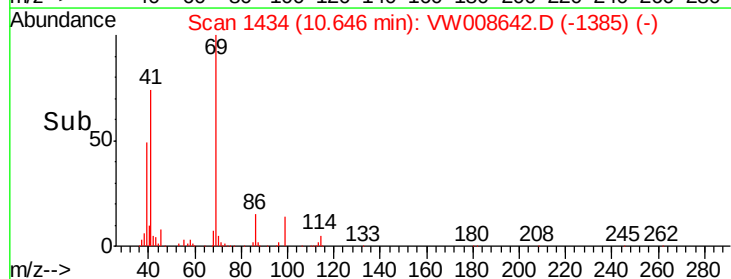
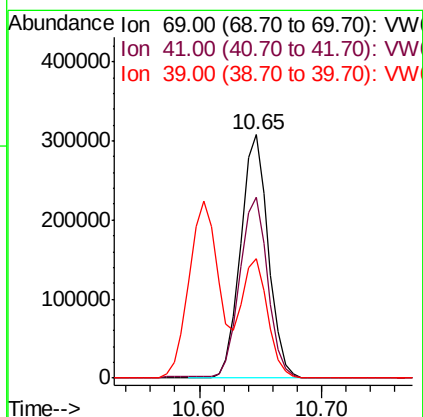
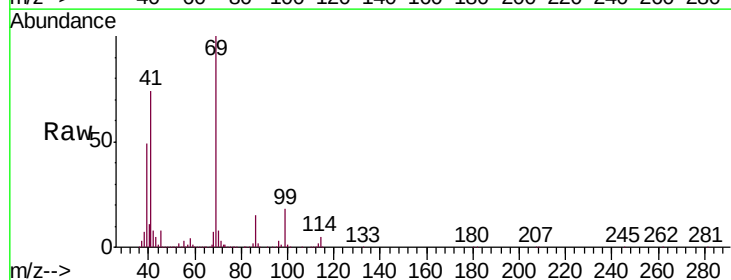
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

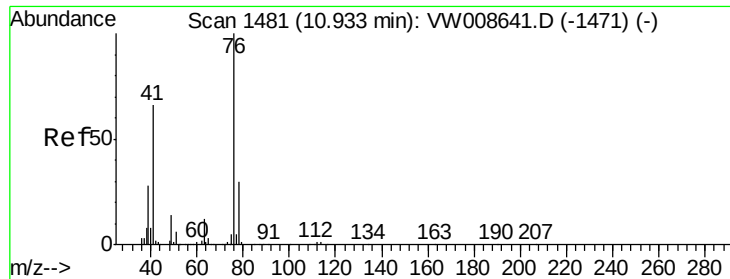
Tgt Ion:	97	Resp:	340223
Ion	Ratio	Lower	Upper
97	100		
83	88.7	68.4	102.6
85	56.6	43.1	64.7
99	61.3	47.8	71.8



#56
 Ethyl methacrylate
 Concen: 109.923 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Tgt Ion:	69	Resp:	480697
Ion	Ratio	Lower	Upper
69	100		
41	75.2	59.0	88.4
39	45.0	34.4	51.6

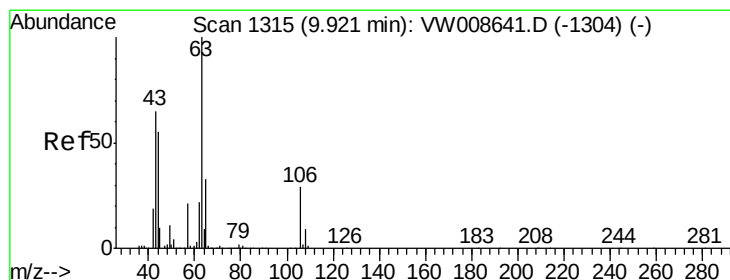
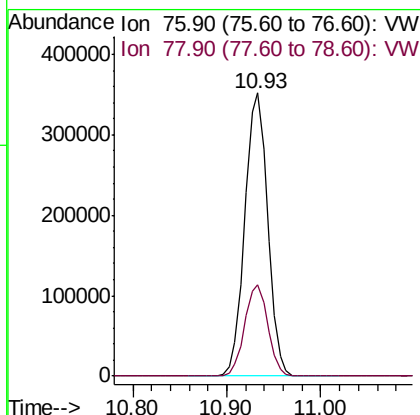
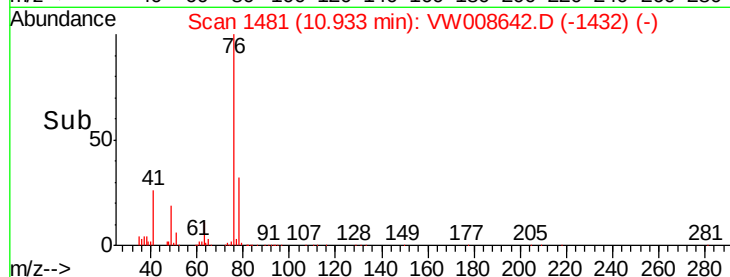
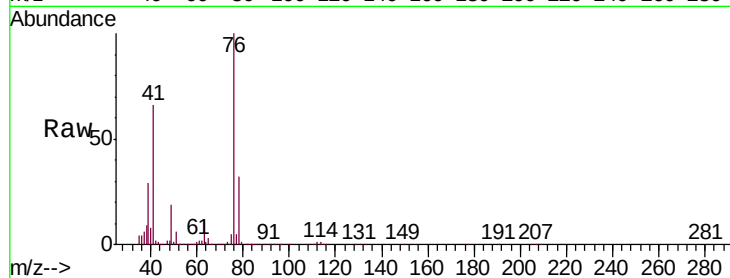




#57
 1,3-Dichloropropane
 Concen: 102.756 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

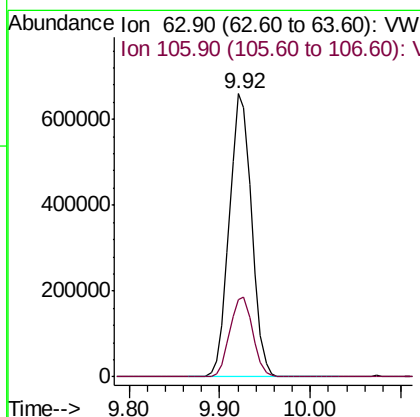
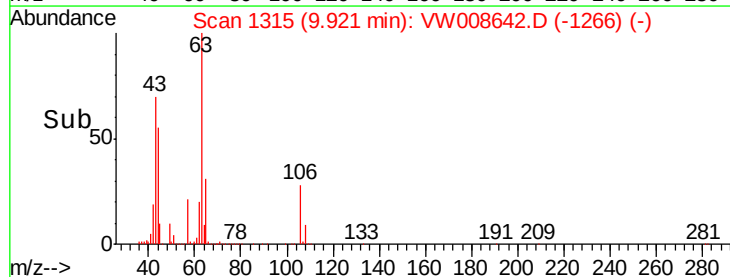
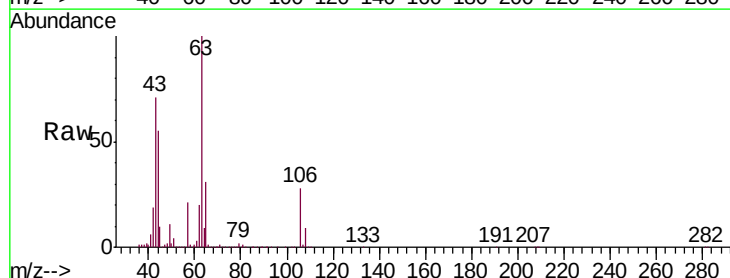
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

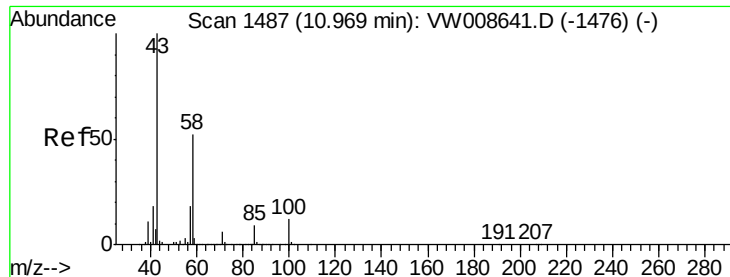
Tgt Ion: 76 Resp: 600423
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 536.209 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Tgt Ion: 63 Resp: 1124843
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.4 35.2

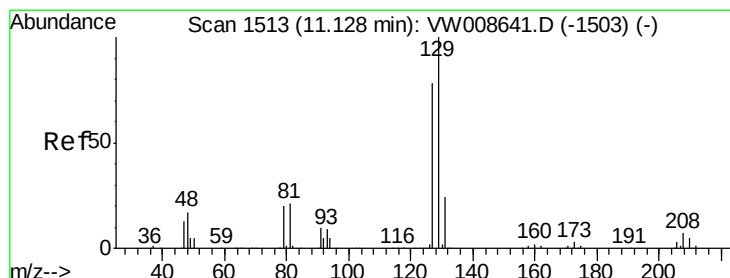
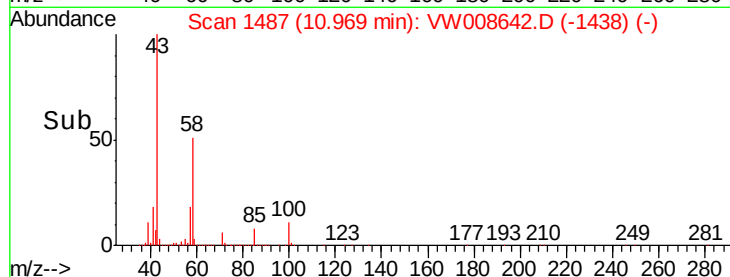
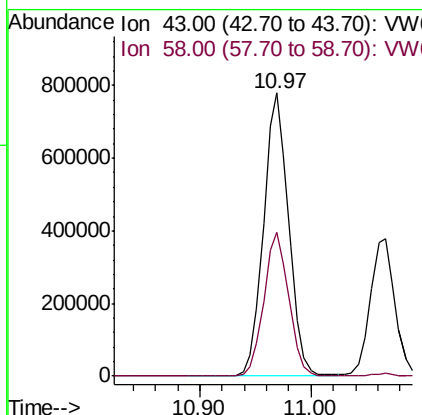
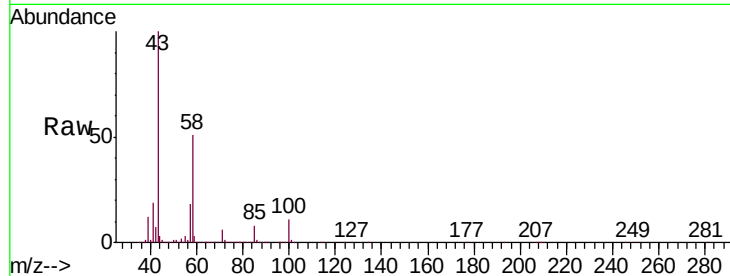




#59
2-Hexanone
Concen: 547.356 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

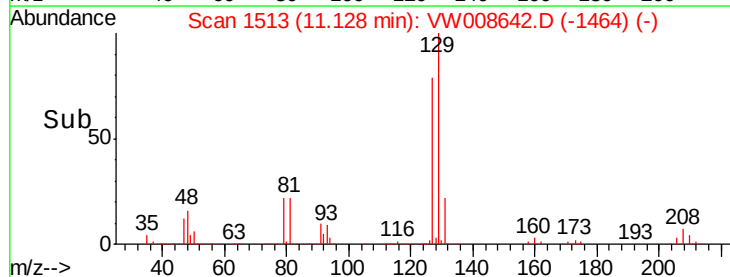
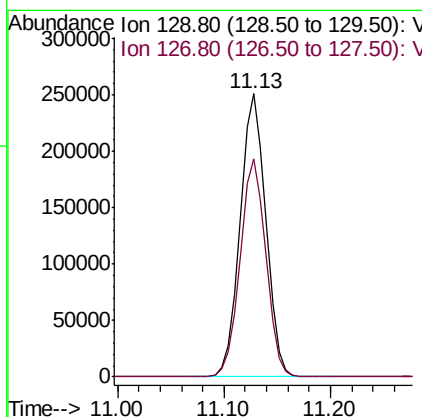
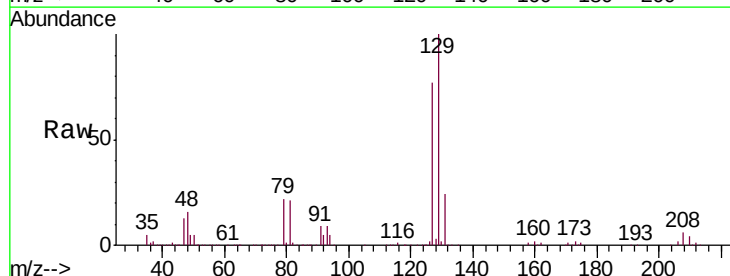
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

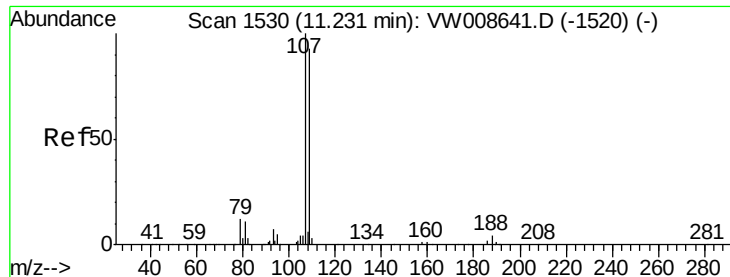
Tgt Ion: 43 Resp: 1224758
Ion Ratio Lower Upper
43 100
58 50.5 25.6 76.6



#60
Dibromochloromethane
Concen: 108.176 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion: 129 Resp: 426265
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3

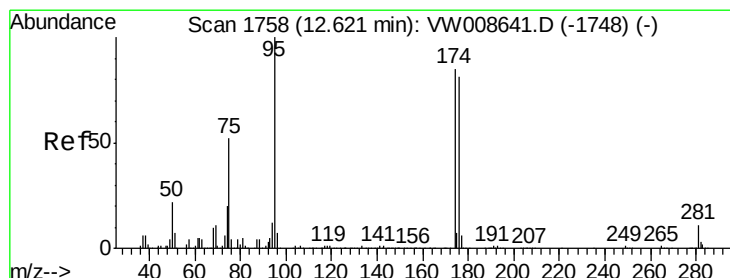
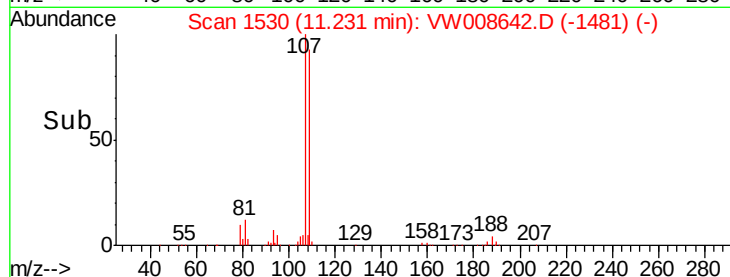
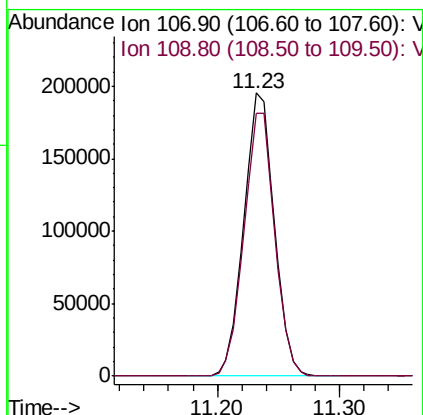
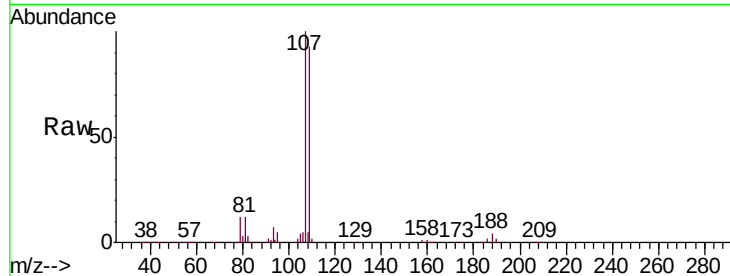




#61
 1,2-Dibromoethane
 Concen: 104.248 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

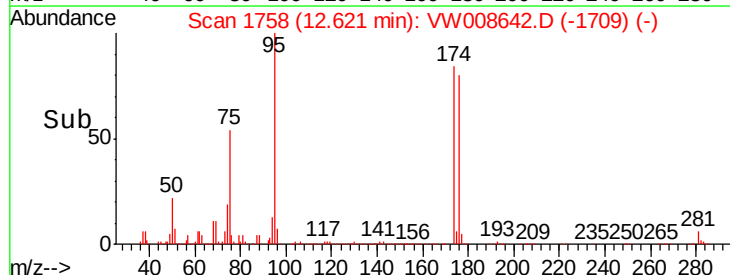
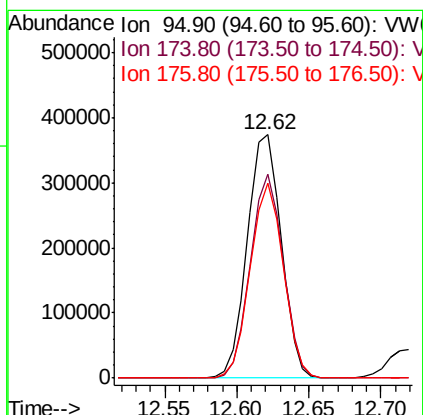
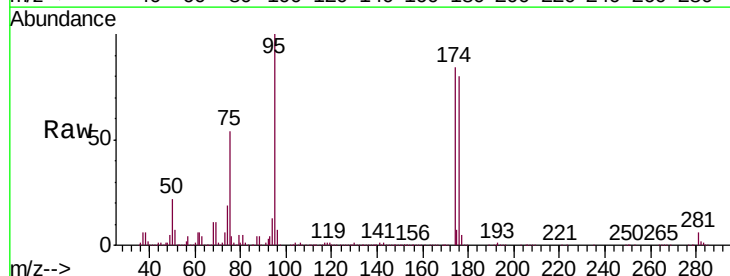
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

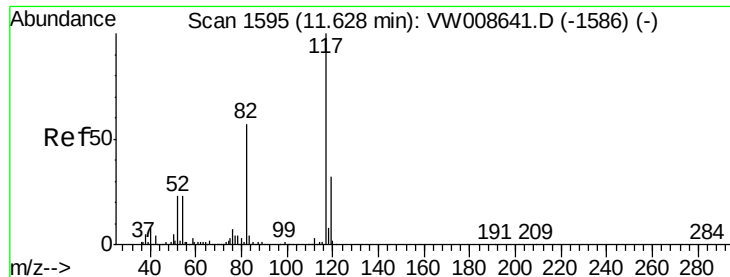
Tgt Ion: 107 Resp: 338034
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 105.400 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Tgt Ion: 95 Resp: 609737
 Ion Ratio Lower Upper
 95 100
 174 81.2 0.0 163.2
 176 77.8 0.0 158.0

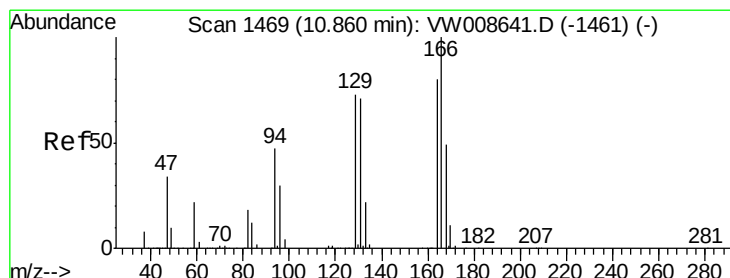
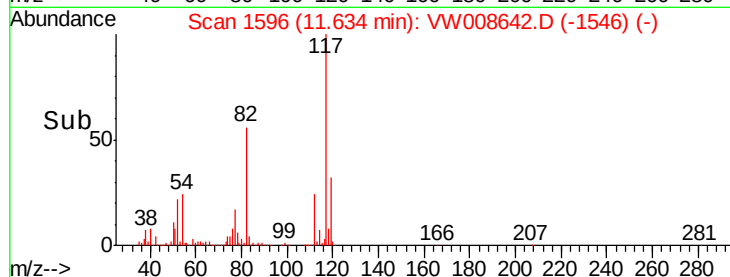
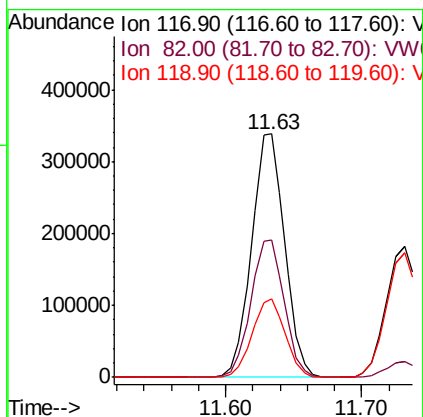
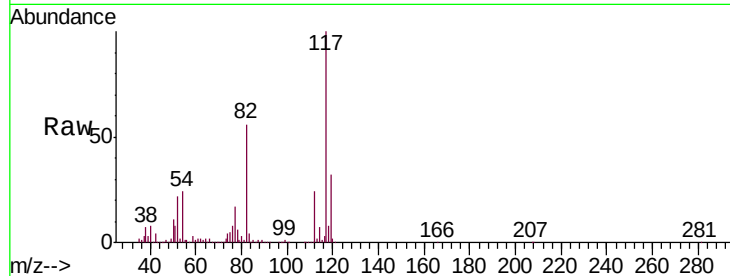




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

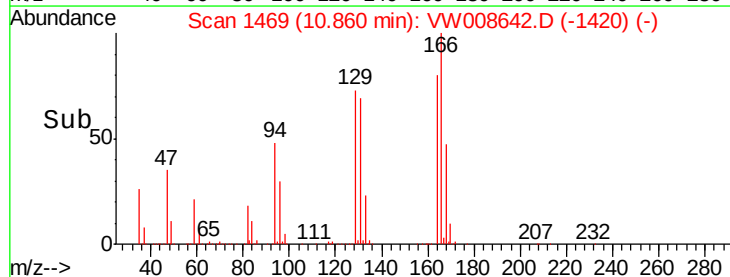
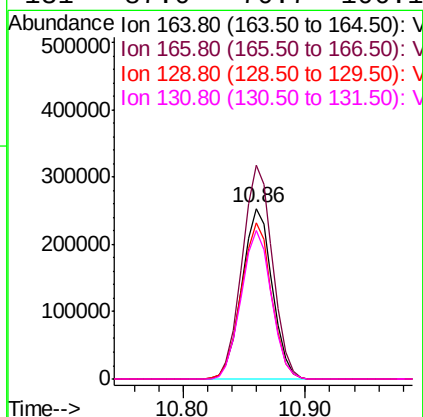
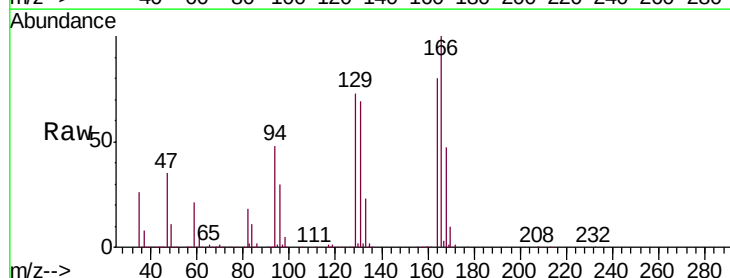
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

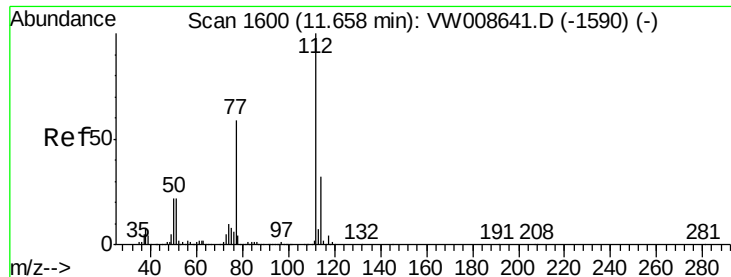
Tgt Ion:117 Resp: 578386
Ion Ratio Lower Upper
117 100
82 56.2 45.6 68.4
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 101.022 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion:164 Resp: 434505
Ion Ratio Lower Upper
164 100
166 125.4 100.2 150.2
129 91.8 73.6 110.4
131 87.0 70.7 106.1

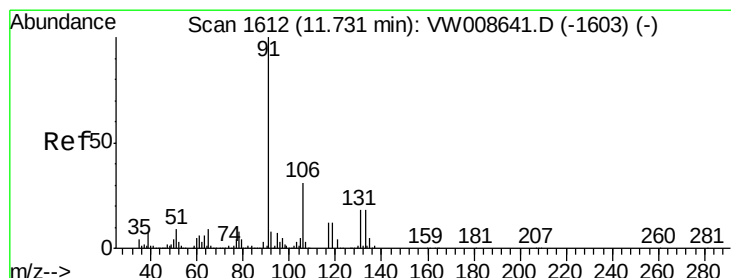
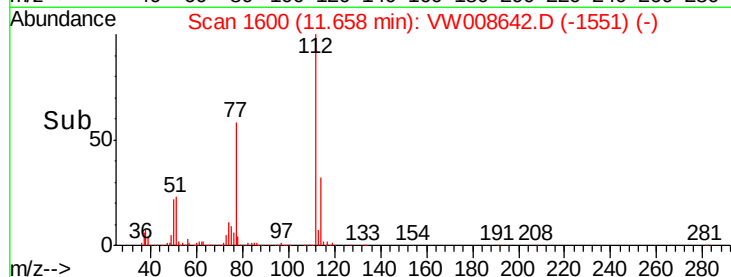
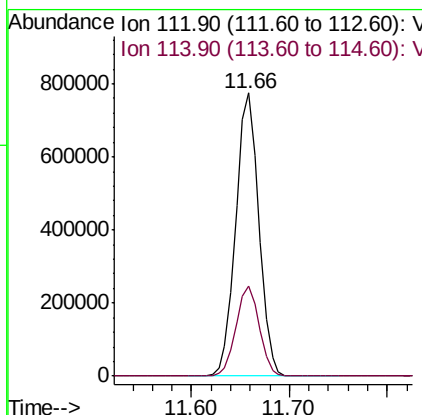
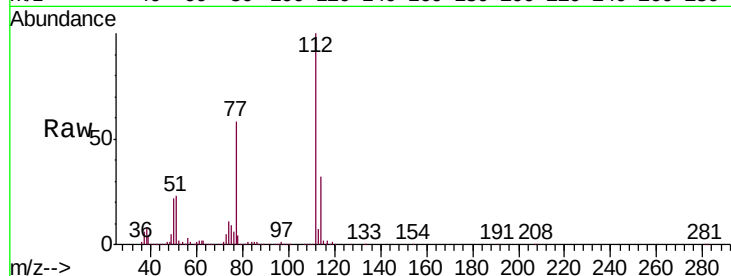




#65
Chlorobenzene
Concen: 101.992 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

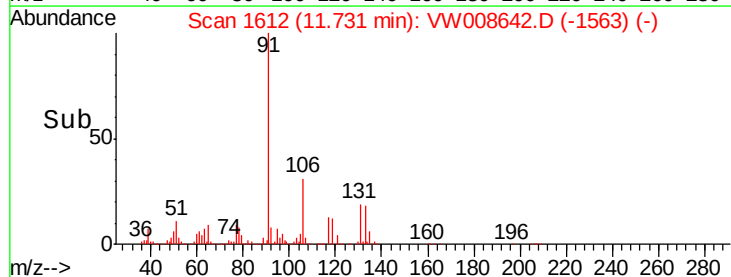
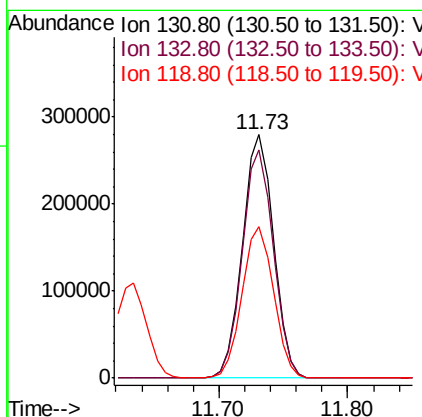
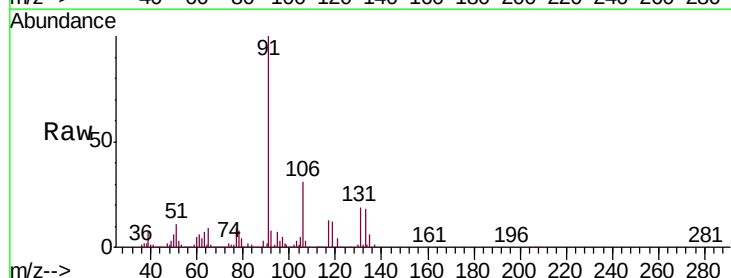
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

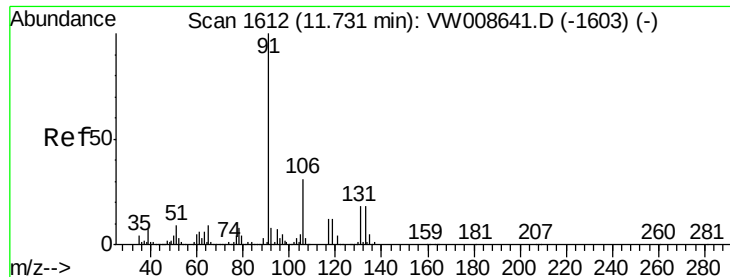
Tgt Ion:112 Resp: 1271458
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 105.693 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion:131 Resp: 466763
Ion Ratio Lower Upper
131 100
133 93.9 47.8 143.4
119 63.1 31.6 94.8

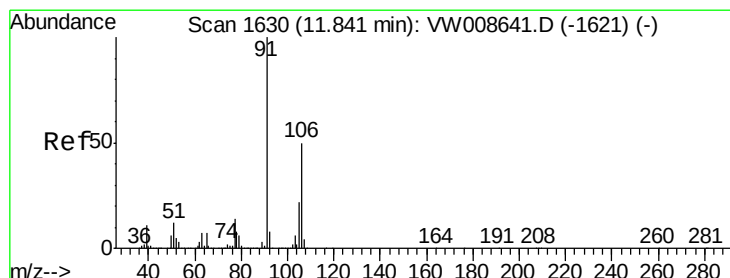
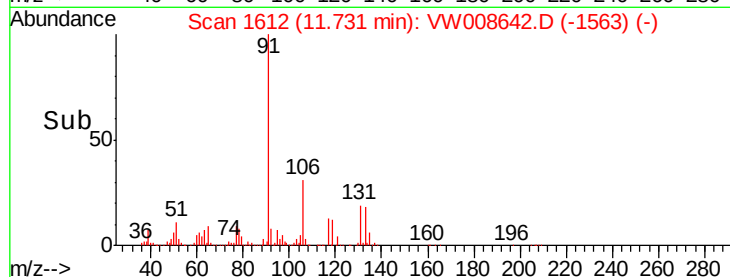
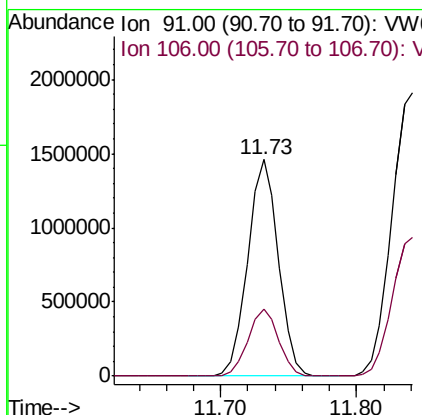
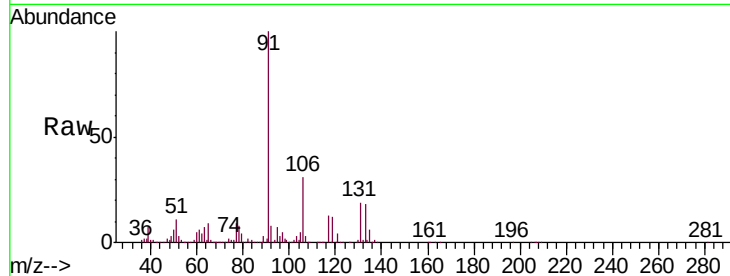




#67
Ethyl Benzene
Concen: 103.605 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

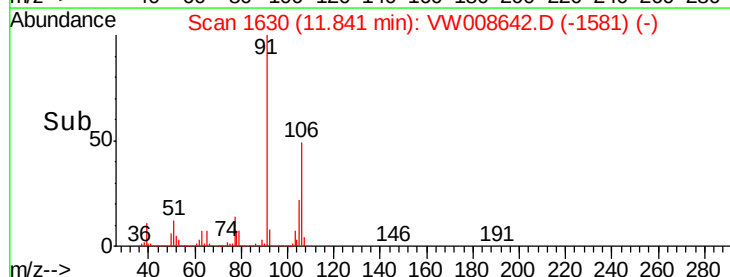
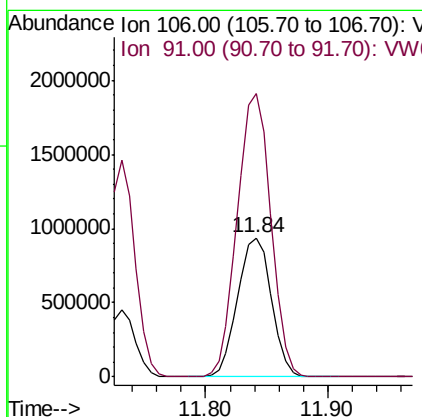
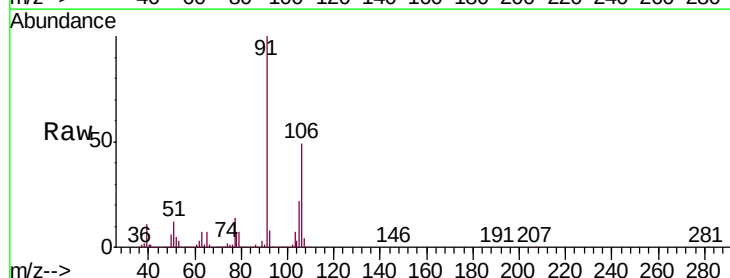
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

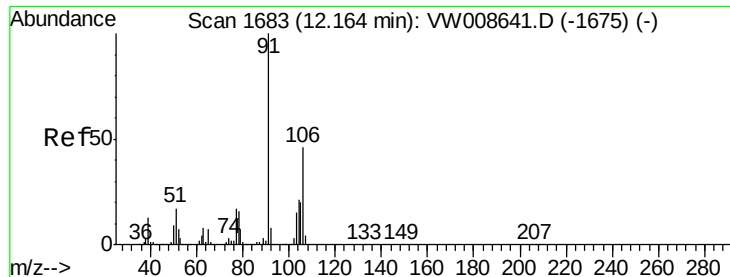
Tgt Ion: 91 Resp: 2300696
Ion Ratio Lower Upper
91 100
106 31.0 24.5 36.7



#68
m/p-Xylenes
Concen: 208.107 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion: 106 Resp: 1798103
Ion Ratio Lower Upper
106 100
91 202.9 161.0 241.4

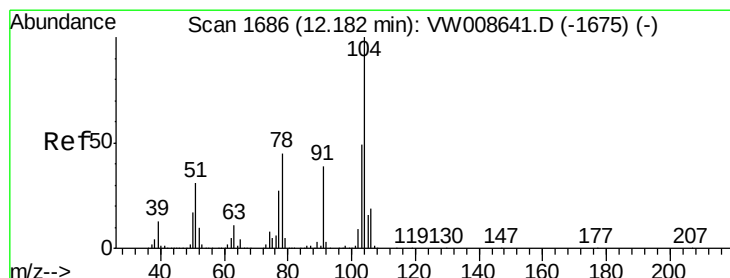
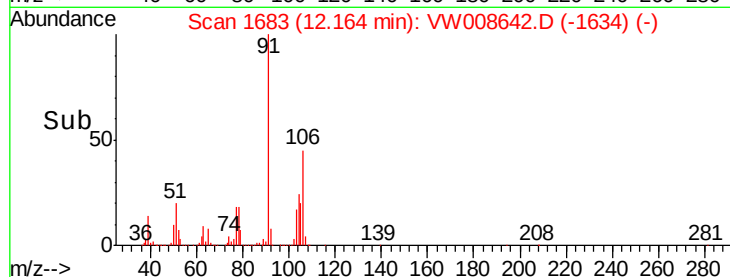
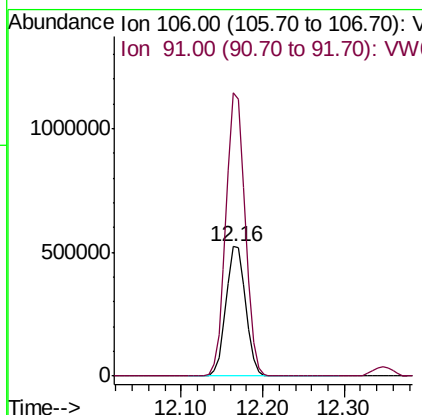
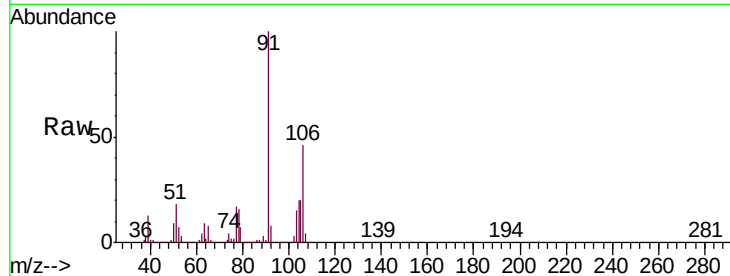




#69
o-Xylene
Concen: 105.887 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

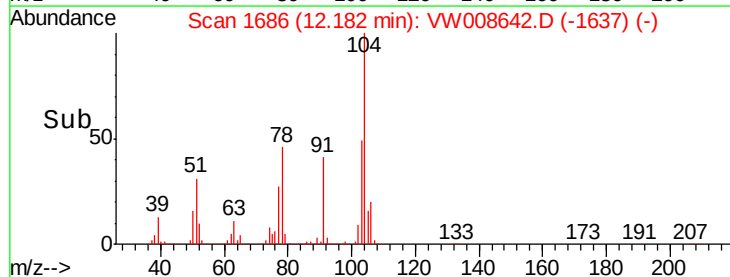
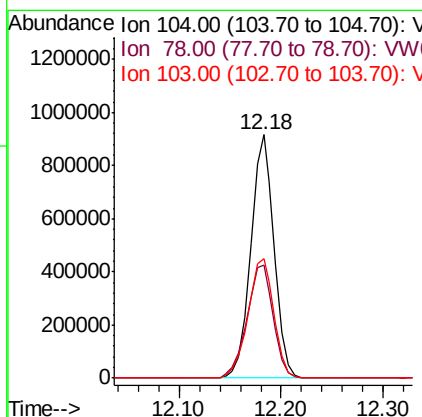
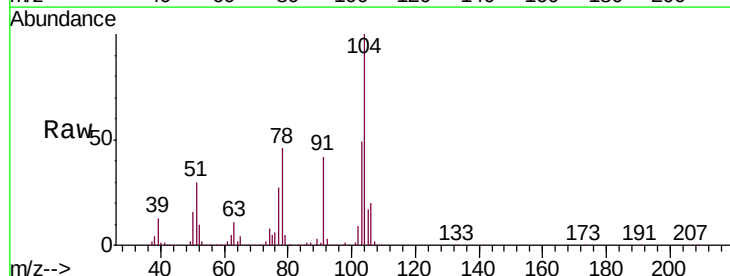
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

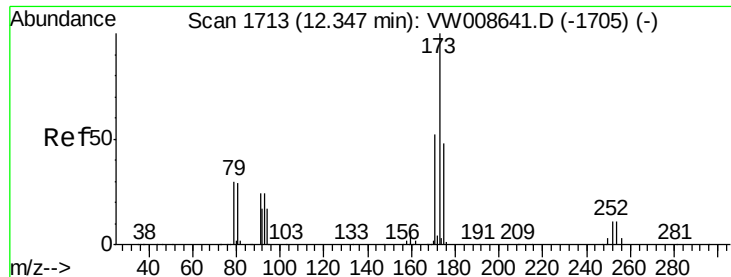
Tgt Ion:106 Resp: 864800
Ion Ratio Lower Upper
106 100
91 214.3 106.7 320.1



#70
Styrene
Concen: 109.092 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion:104 Resp: 1455266
Ion Ratio Lower Upper
104 100
78 52.5 41.5 62.3
103 54.7 43.5 65.3





#71

Bromoform

Concen: 112.629 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

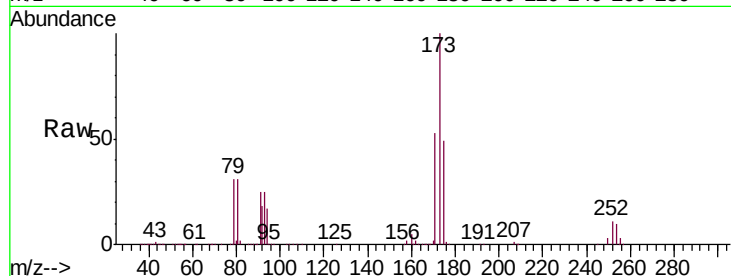
Tgt Ion:173 Resp: 268001

Ion Ratio Lower Upper

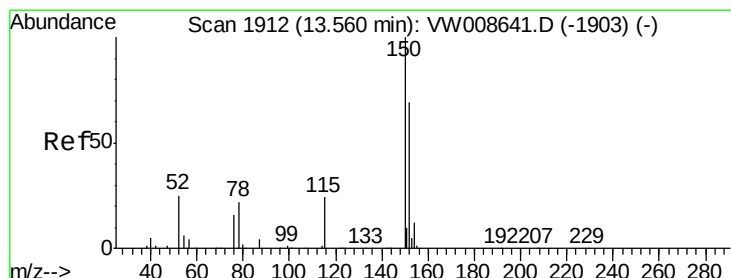
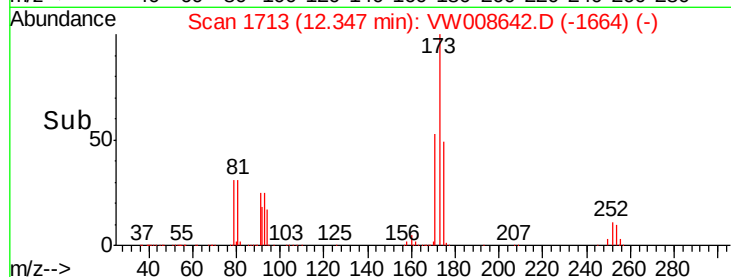
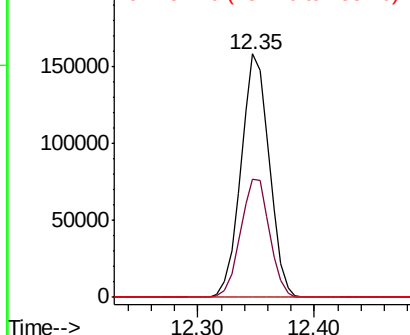
173 100

175 49.9 24.9 74.7

254 0.3 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

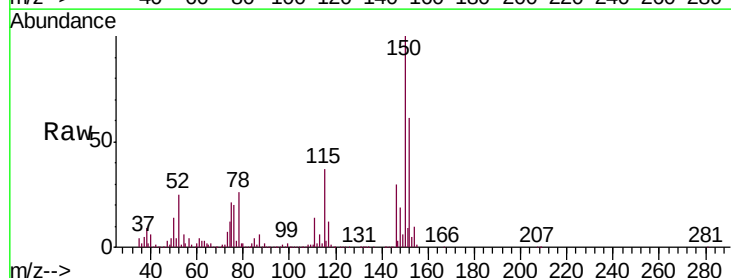
Tgt Ion:152 Resp: 310024

Ion Ratio Lower Upper

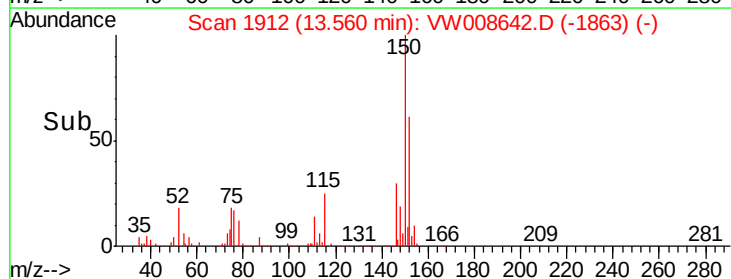
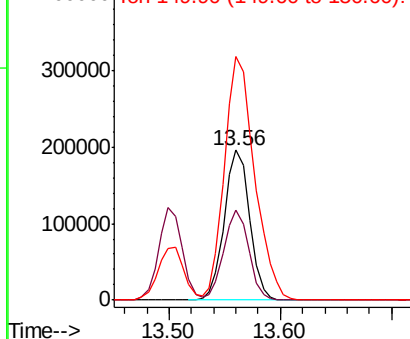
152 100

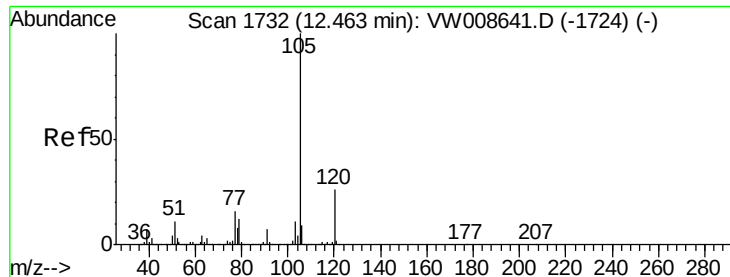
115 59.0 29.3 87.8

150 192.3 0.0 352.8



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: 104.535 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

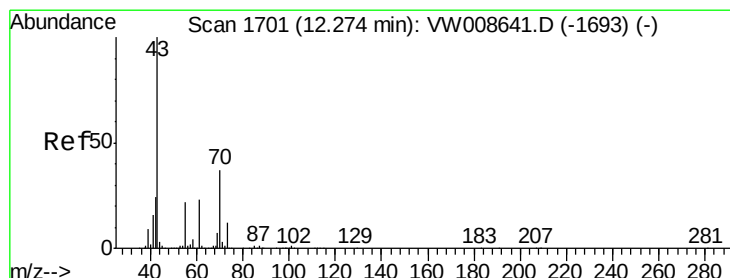
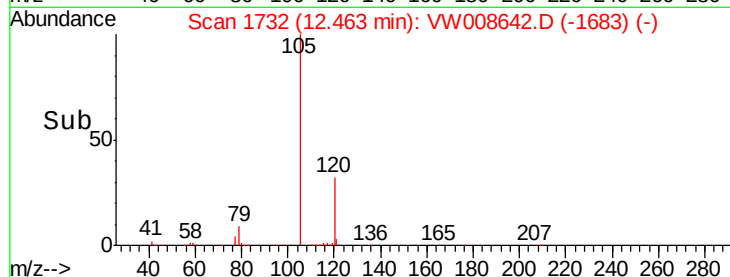
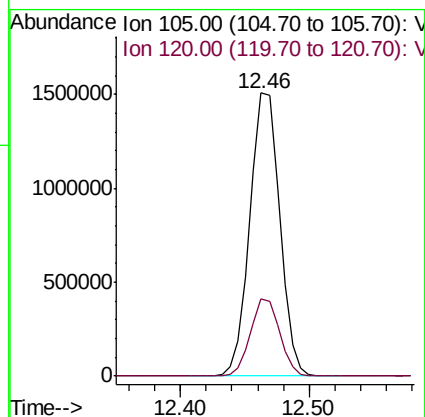
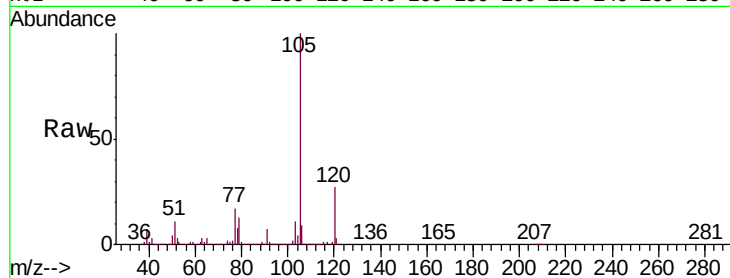
VSTDIC100

Tgt Ion:105 Resp: 2414034

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



#74

N-ethyl acetate

Concen: 113.566 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Tgt Ion: 43 Resp: 709195

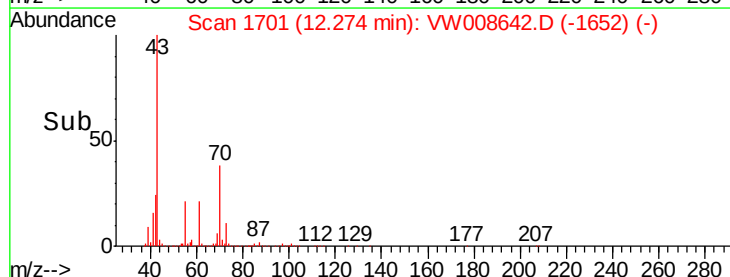
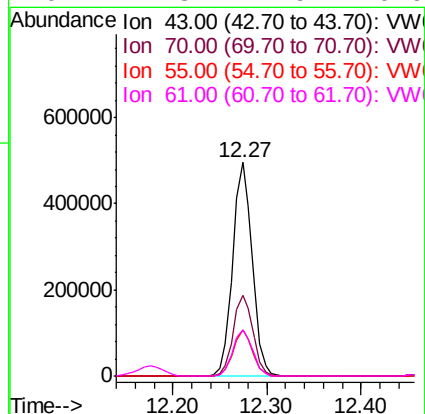
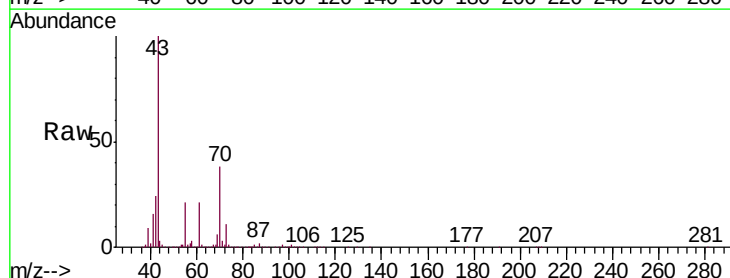
Ion Ratio Lower Upper

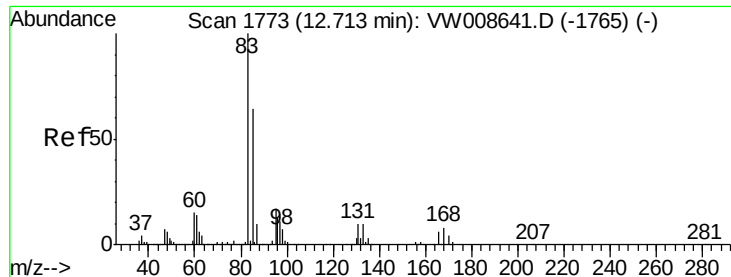
43 100

70 38.3 30.5 45.7

55 21.5 17.6 26.4

61 21.8 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 105.379 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

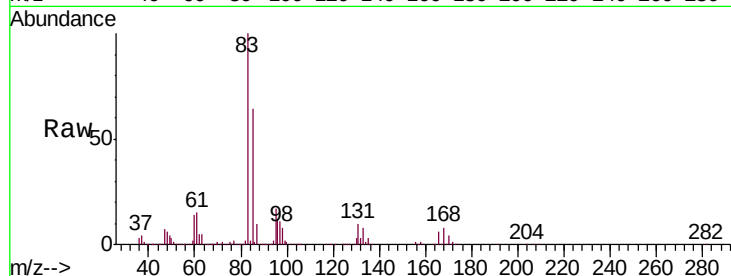
Tgt Ion: 83 Resp: 423399

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.7

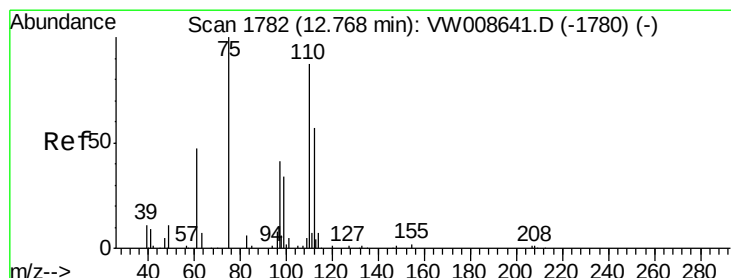
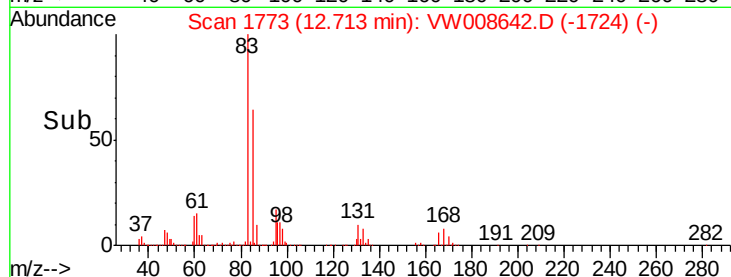
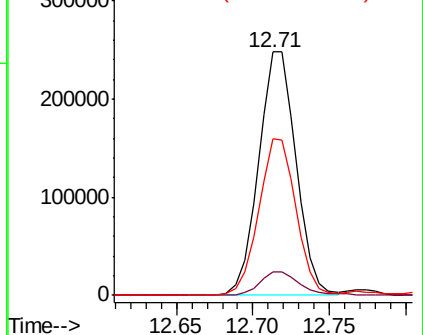
85 64.0 31.8 95.3



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: 159.777 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008642.D

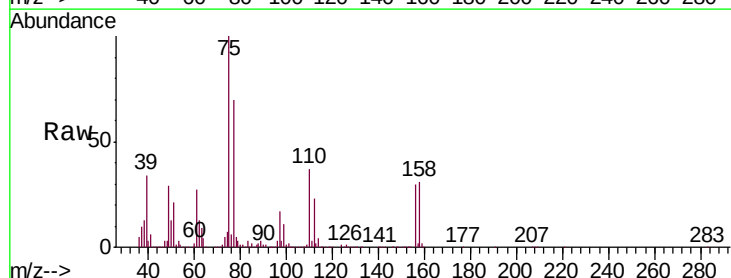
Acq: 13 Feb 2019 16:03

Tgt Ion: 75 Resp: 591208

Ion Ratio Lower Upper

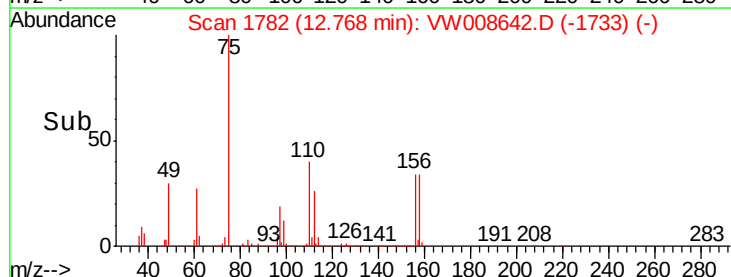
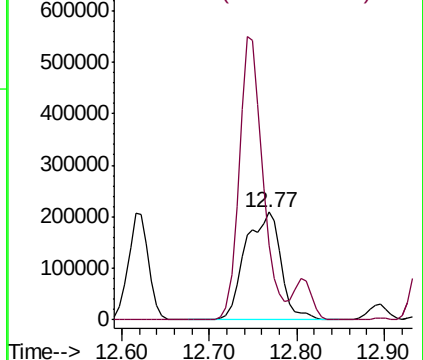
75 100

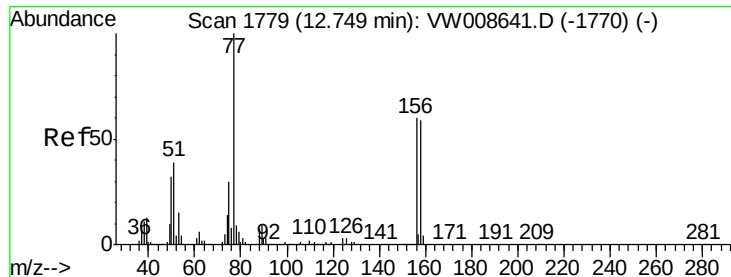
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 101.781 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

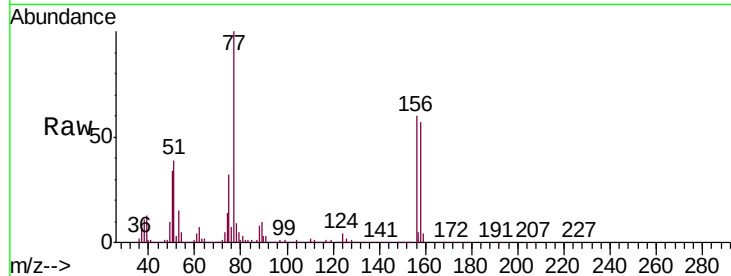
Tgt Ion:156 Resp: 540295

Ion Ratio Lower Upper

156 100

77 190.7 93.2 279.5

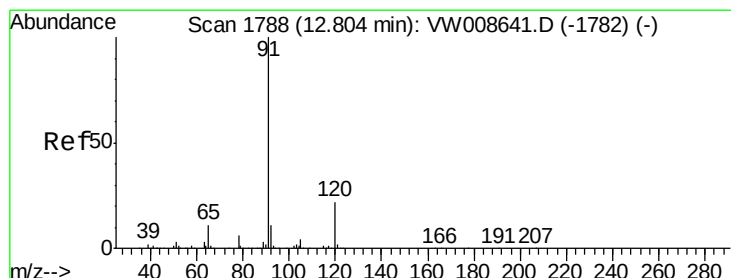
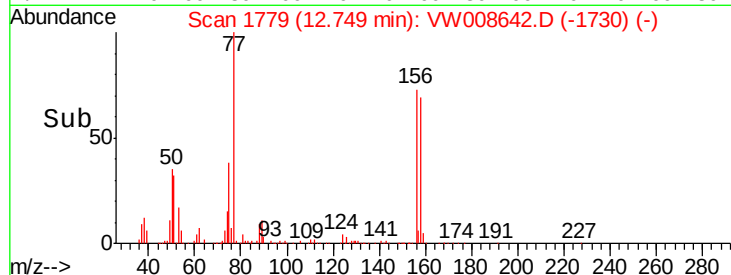
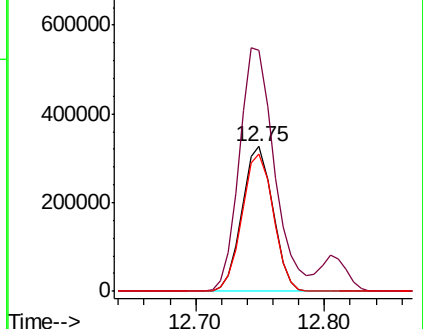
158 96.1 48.5 145.5



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: 103.884 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008642.D

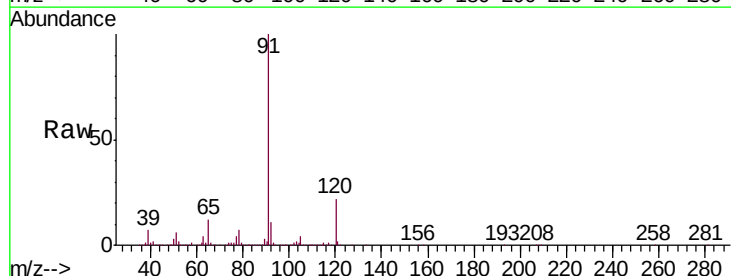
Acq: 13 Feb 2019 16:03

Tgt Ion: 91 Resp: 2850443

Ion Ratio Lower Upper

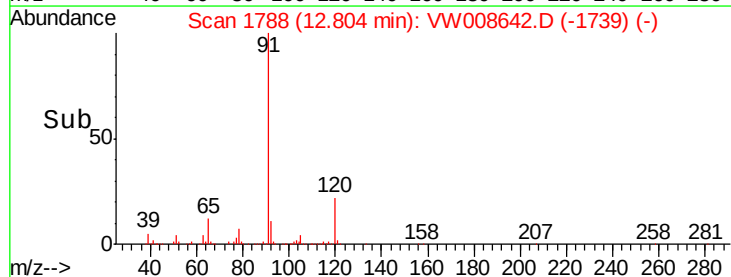
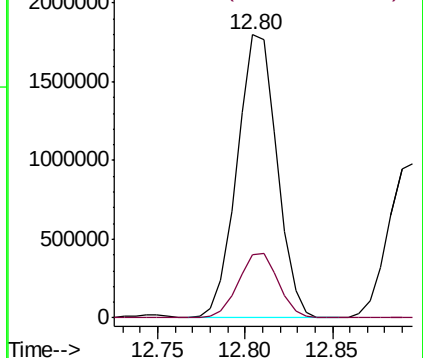
91 100

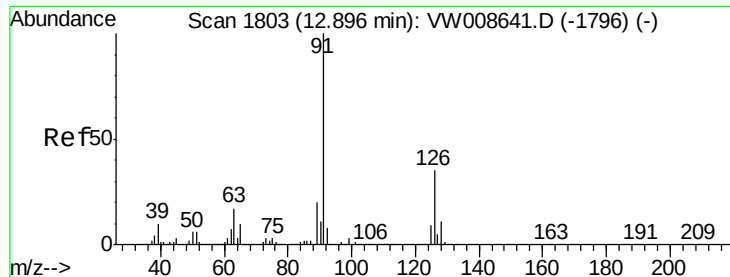
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 103.869 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

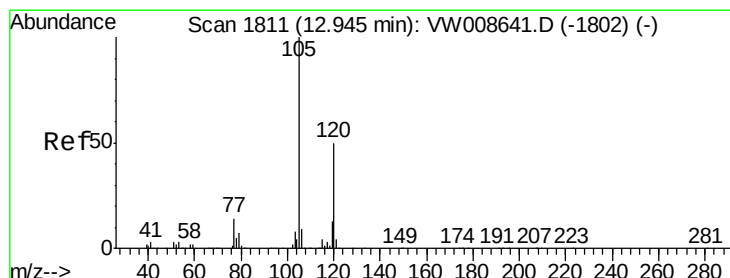
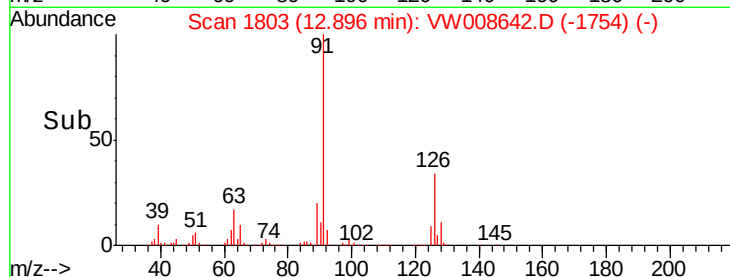
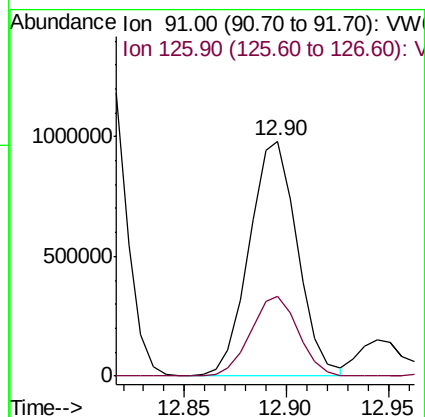
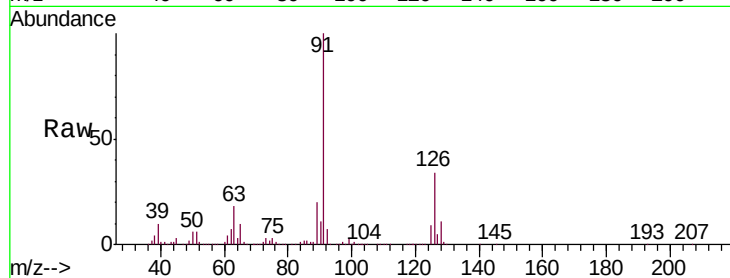
VSTDIC100

Tgt Ion: 91 Resp: 1610755

Ion Ratio Lower Upper

91 100

126 33.5 17.0 50.9



#80

1,3,5-Trimethylbenzene

Concen: 104.476 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008642.D

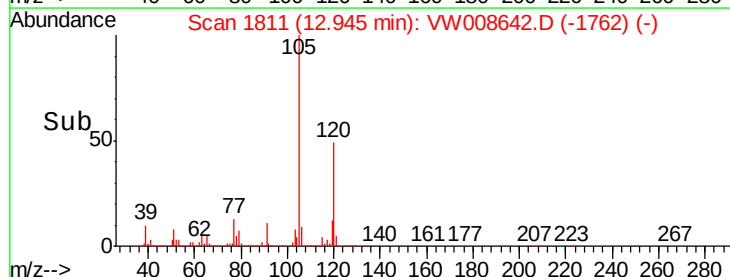
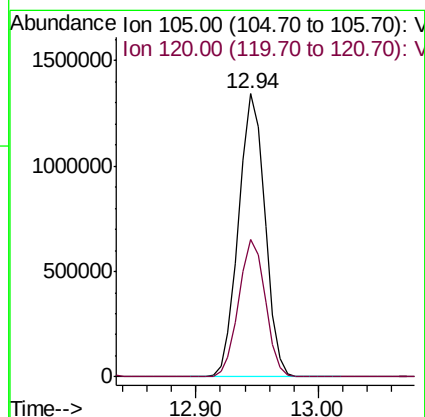
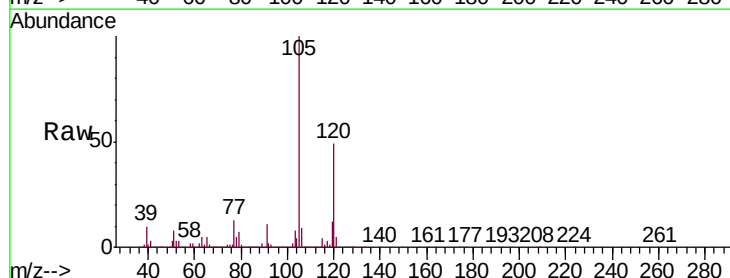
Acq: 13 Feb 2019 16:03

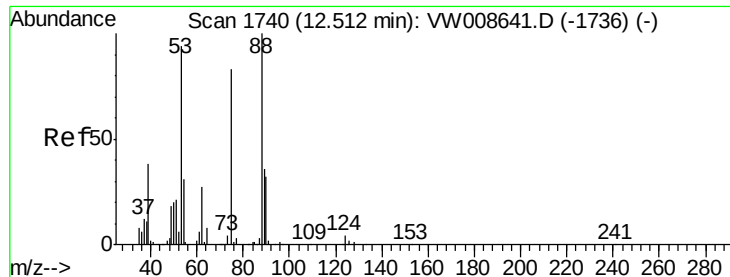
Tgt Ion: 105 Resp: 2003998

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 118.634 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

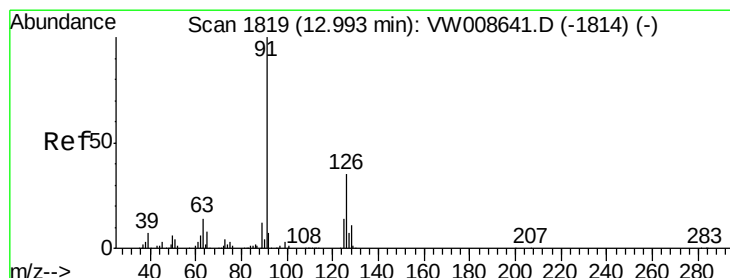
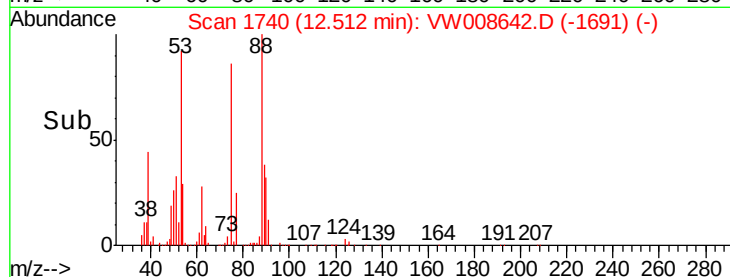
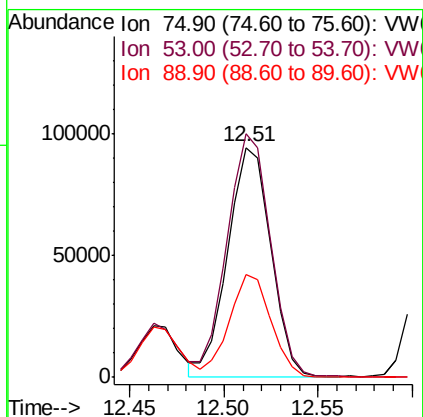
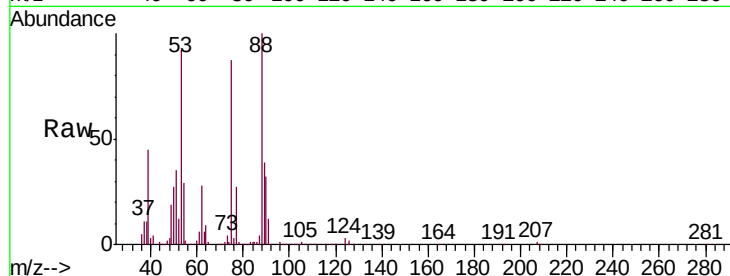
Tgt Ion: 75 Resp: 148575

Ion Ratio Lower Upper

75 100

53 106.5 87.4 131.0

89 43.8 37.0 55.4



#82

4-Chlorotoluene

Concen: 104.627 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW008642.D

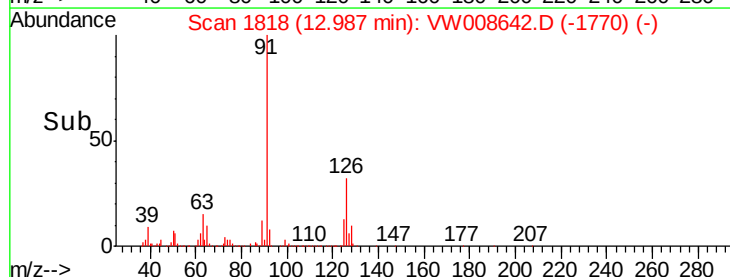
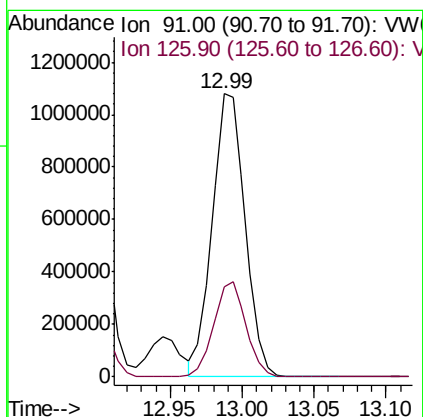
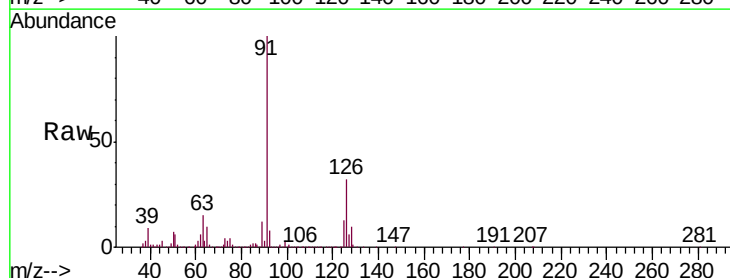
Acq: 13 Feb 2019 16:03

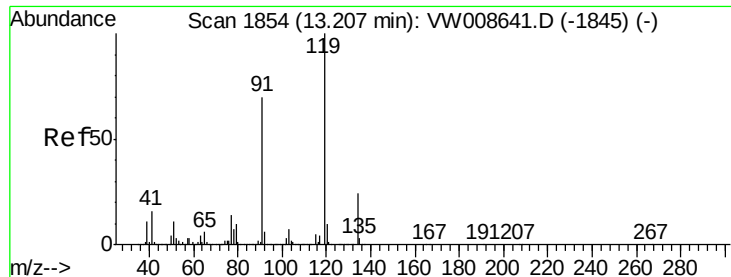
Tgt Ion: 91 Resp: 1719483

Ion Ratio Lower Upper

91 100

126 33.1 16.9 50.7





#83

tert-Butylbenzene

Concen: 103.265 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

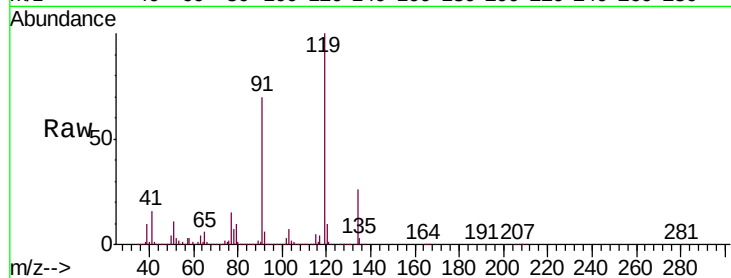
Tgt Ion:119 Resp: 1719931

Ion Ratio Lower Upper

119 100

91 69.2 34.0 102.0

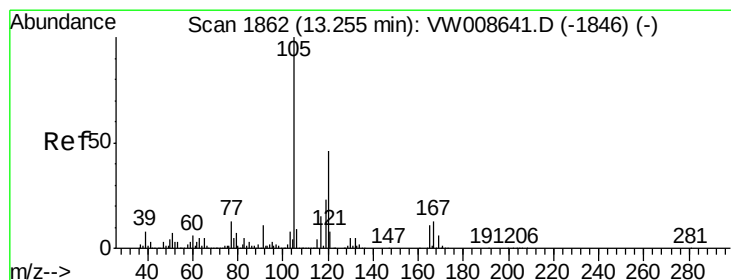
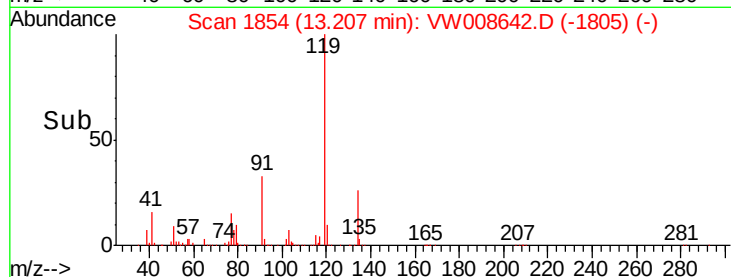
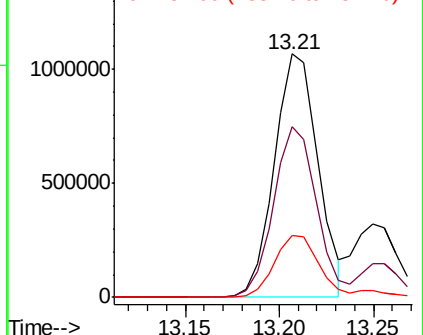
134 27.9 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 104.554 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008642.D

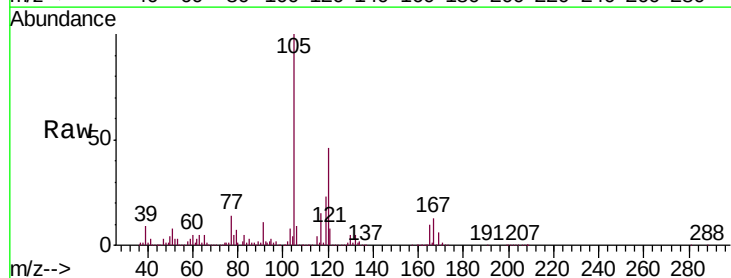
Acq: 13 Feb 2019 16:03

Tgt Ion:105 Resp: 2061248

Ion Ratio Lower Upper

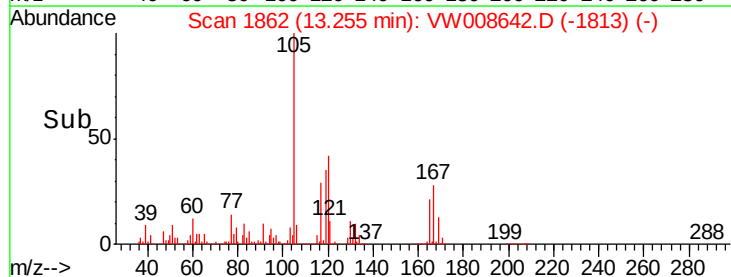
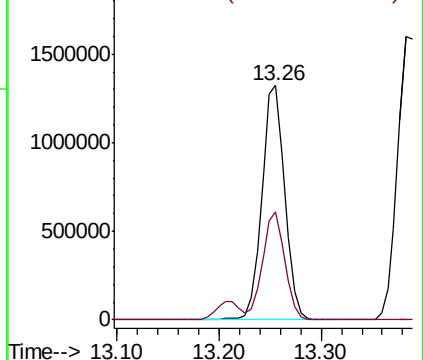
105 100

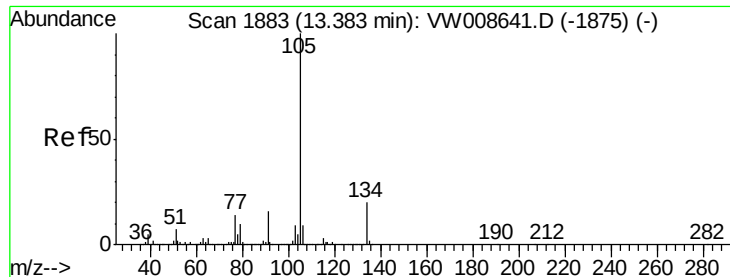
120 44.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 104.046 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

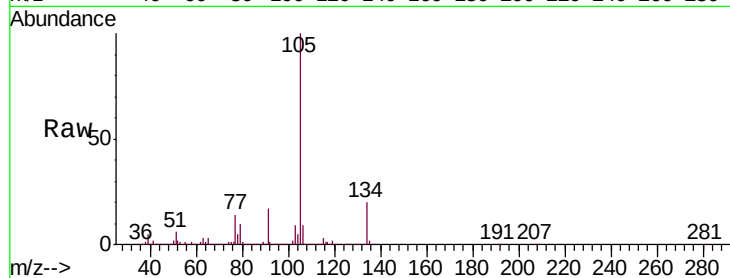
VSTDIC100

Tgt Ion:105 Resp: 2523283

Ion Ratio Lower Upper

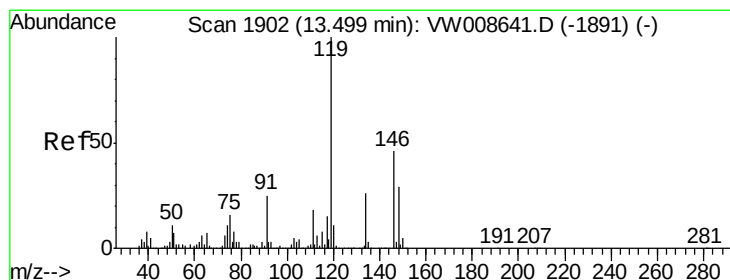
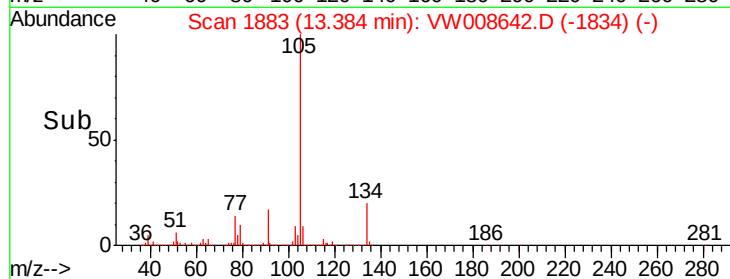
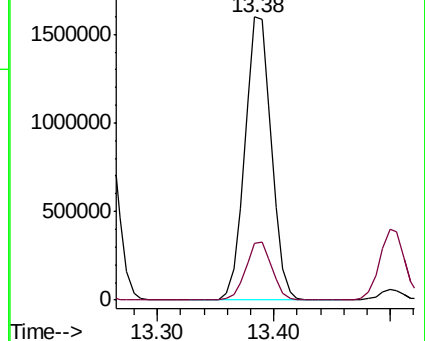
105 100

134 20.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 104.244 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008642.D

Acq: 13 Feb 2019 16:03

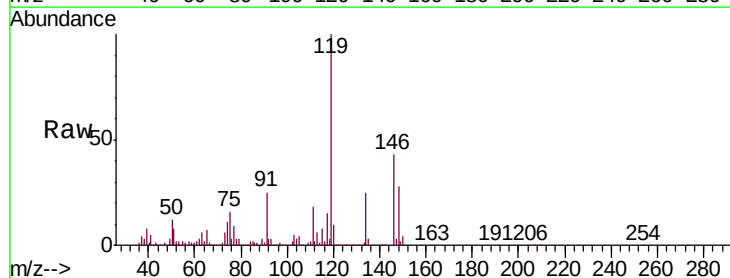
Tgt Ion:119 Resp: 2261634

Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

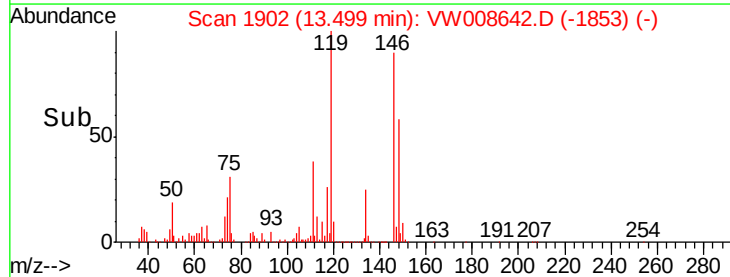
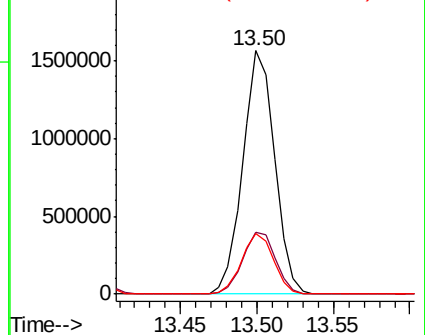
91 25.0 12.3 36.9

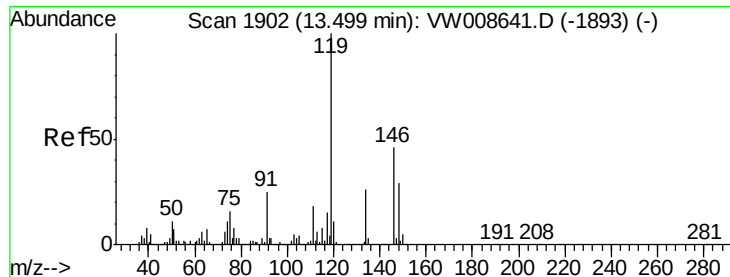


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

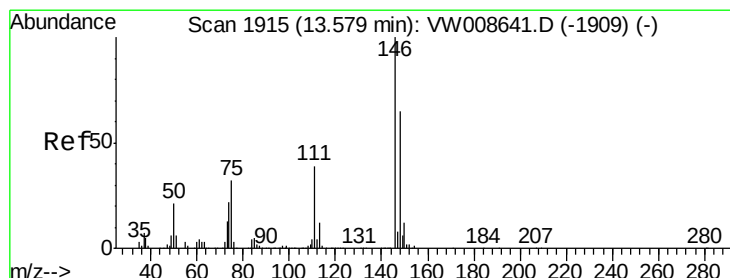
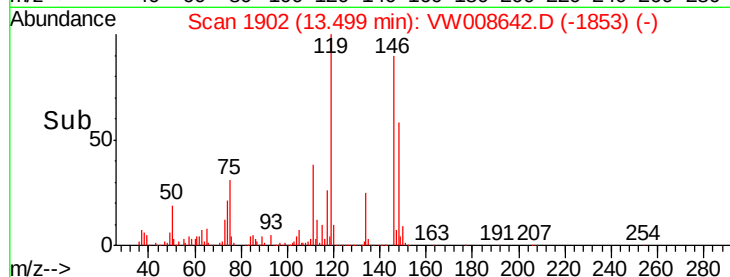
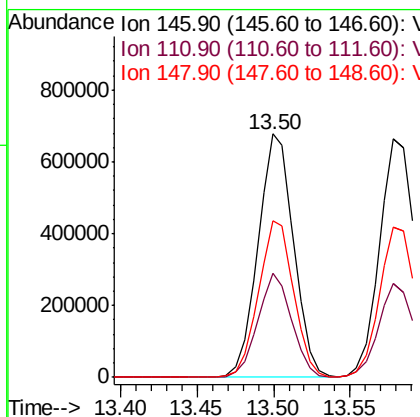
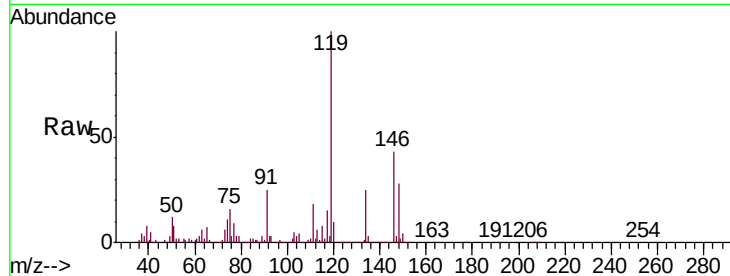




#87
 1,3-Dichlorobenzene
 Concen: 101.496 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

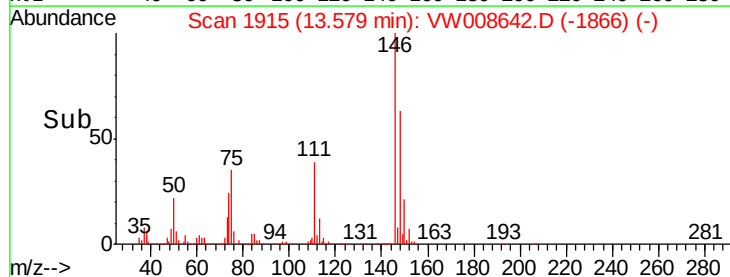
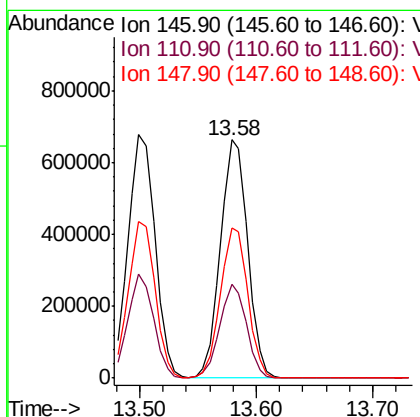
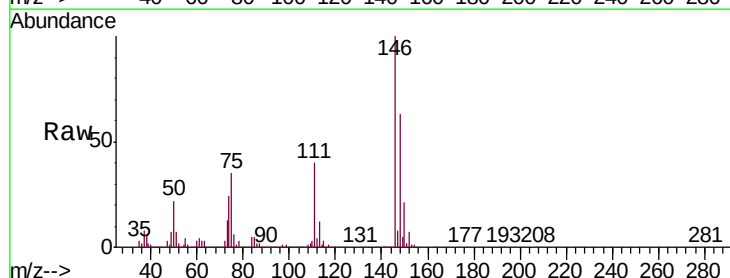
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

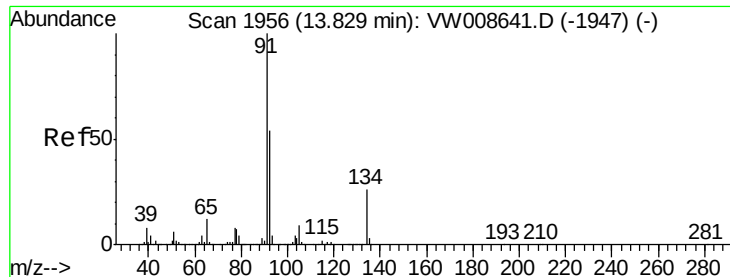
Tgt Ion:146 Resp: 1092210
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.4 58.1
 148 63.9 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 100.951 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Tgt Ion:146 Resp: 1070644
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.4 58.1
 148 63.5 31.8 95.4

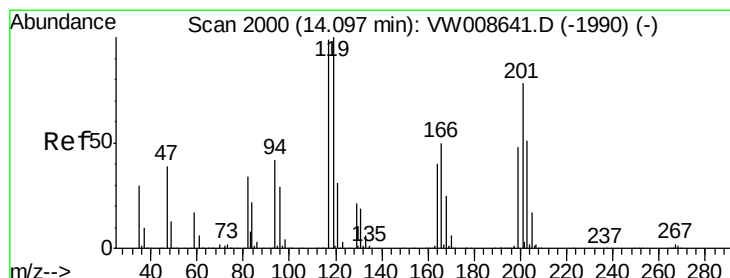
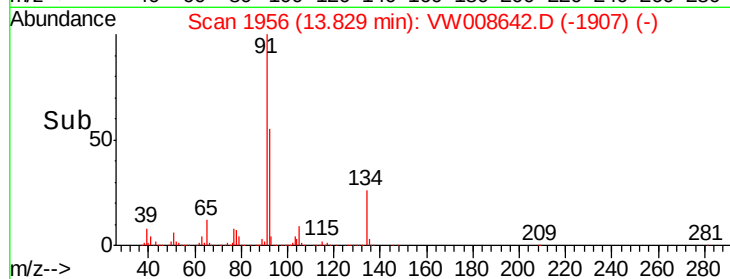
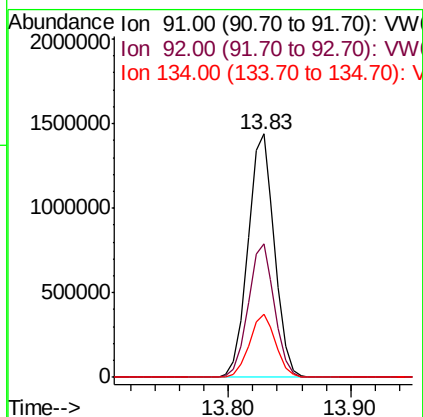
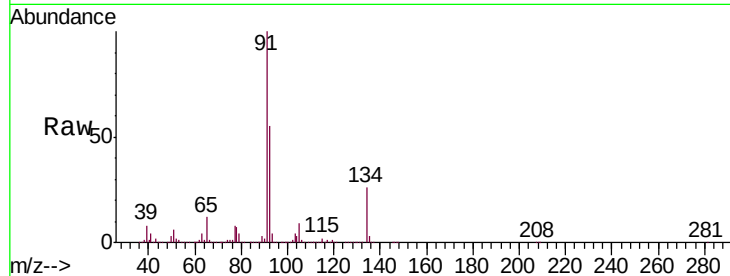




#89
n-Butylbenzene
Concen: 104.401 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

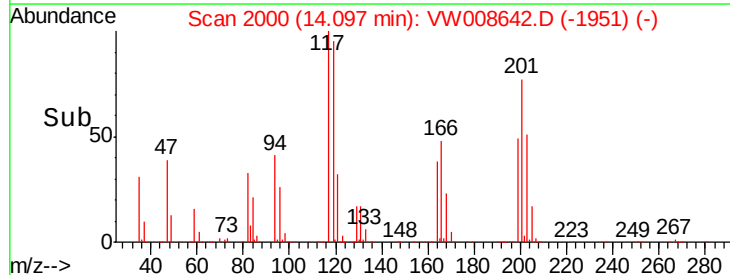
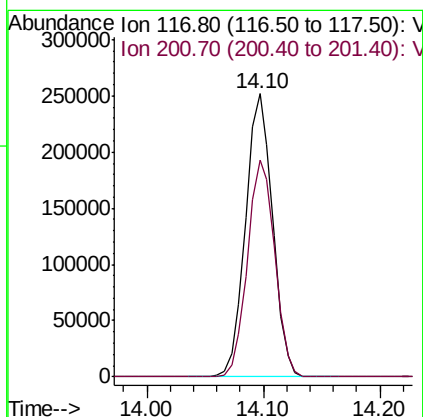
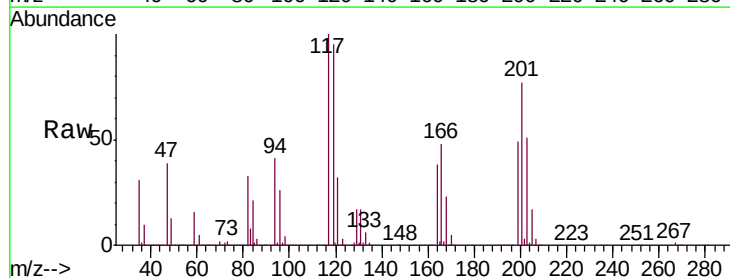
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

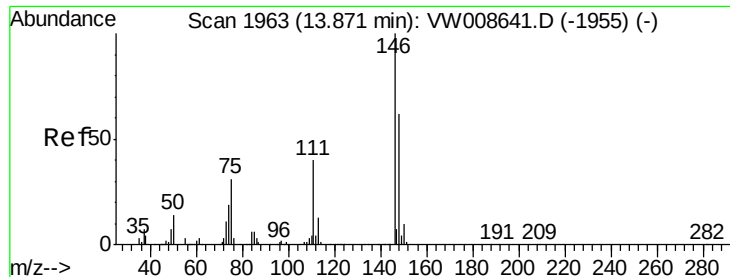
Tgt Ion: 91 Resp: 2152411
Ion Ratio Lower Upper
91 100
92 54.3 26.8 80.4
134 25.7 13.0 39.0



#90
Hexachloroethane
Concen: 107.844 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion: 117 Resp: 408773
Ion Ratio Lower Upper
117 100
201 77.4 38.7 116.1

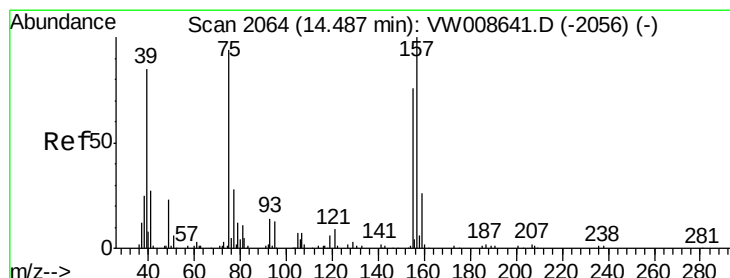
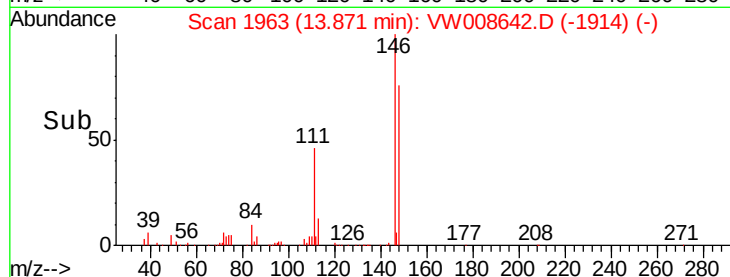
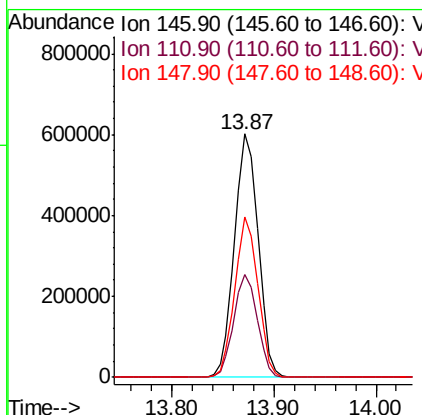
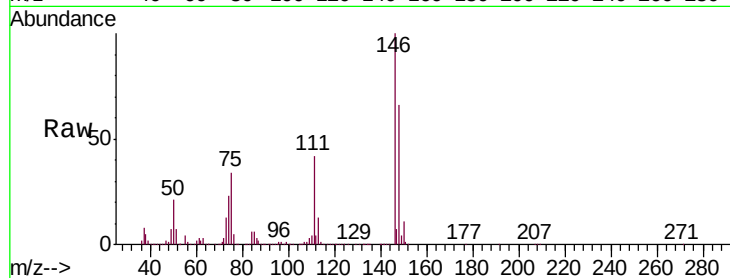




#91
 1,2-Dichlorobenzene
 Concen: 101.355 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

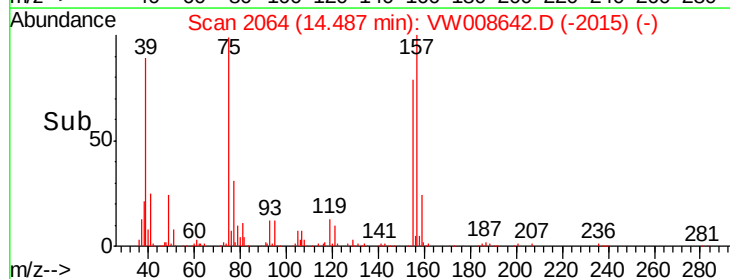
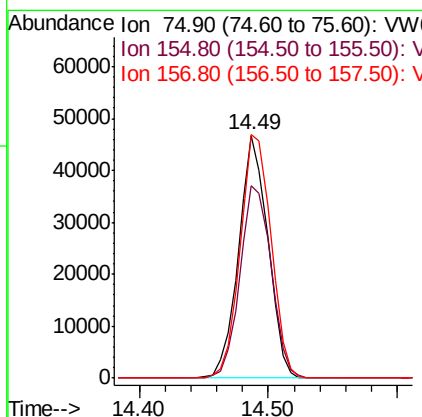
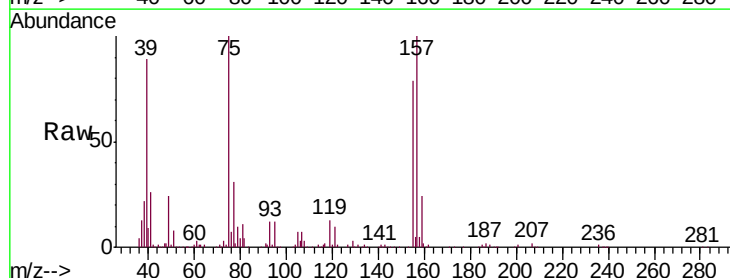
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

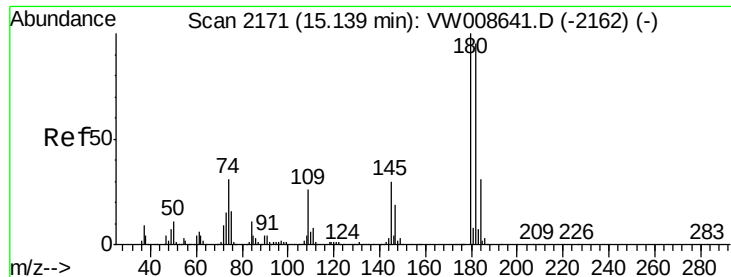
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.5	61.5
148	63.8	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 105.293 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	41.8	125.4
157	105.1	53.8	161.4

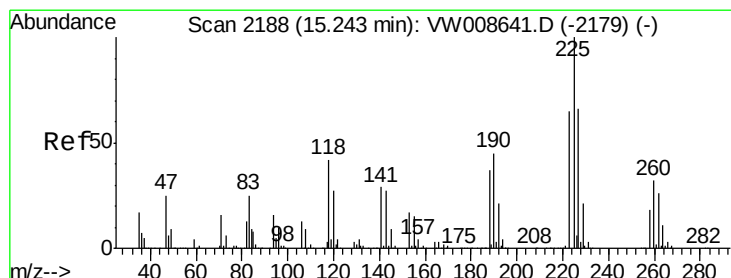
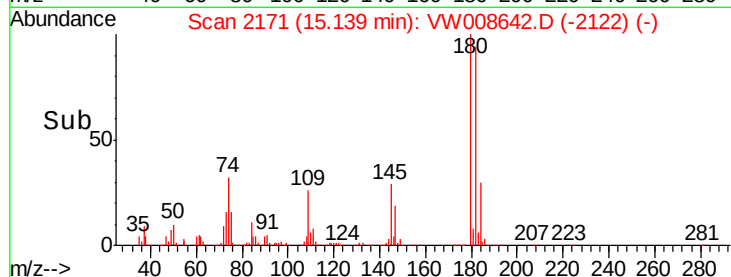
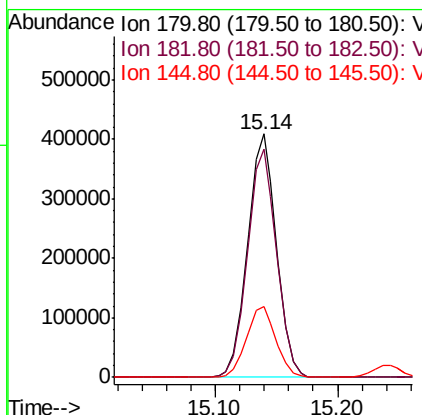
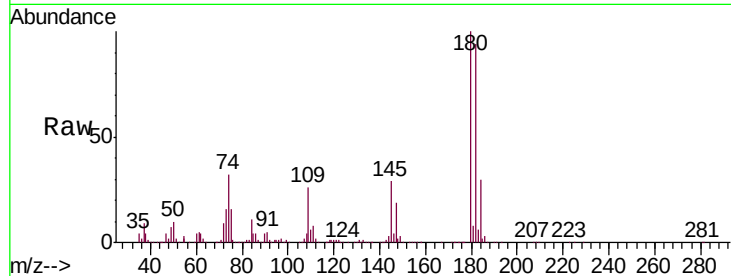




#93
 1,2,4-Trichlorobenzene
 Concen: 98.433 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

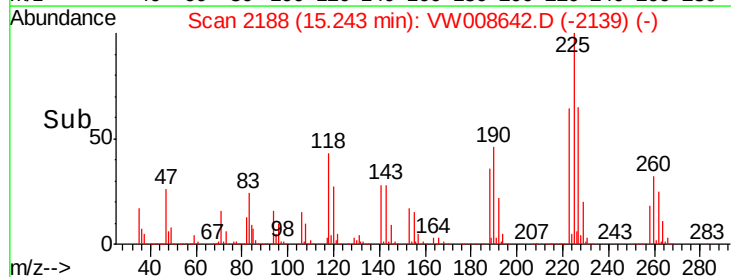
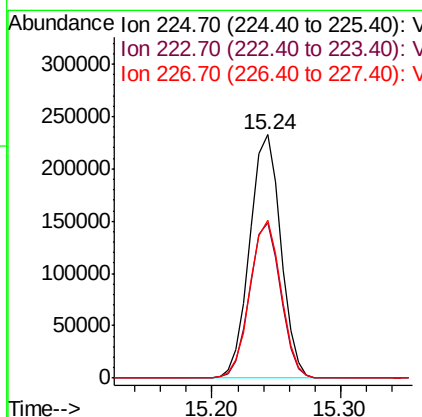
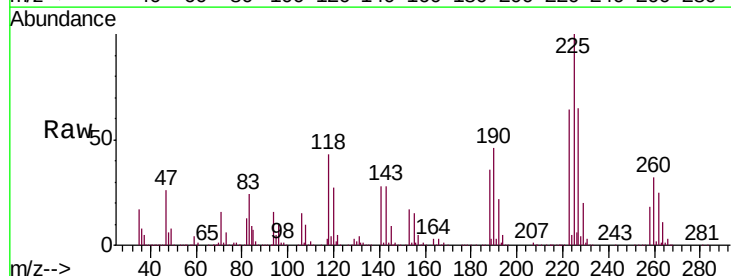
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

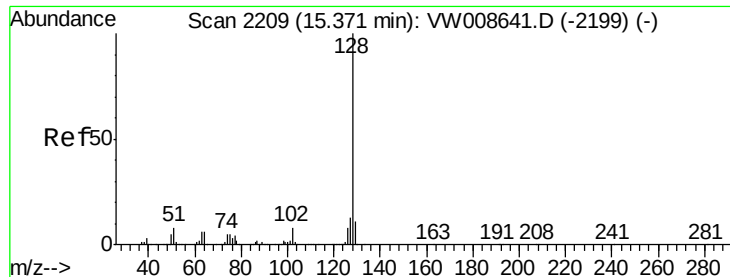
Tgt Ion:180 Resp: 668046
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.5 142.5
 145 29.8 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 97.674 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008642.D
 Acq: 13 Feb 2019 16:03

Tgt Ion:225 Resp: 385870
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.4 94.3
 227 64.8 32.4 97.0

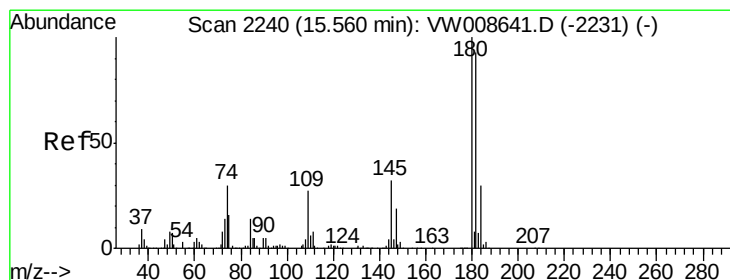
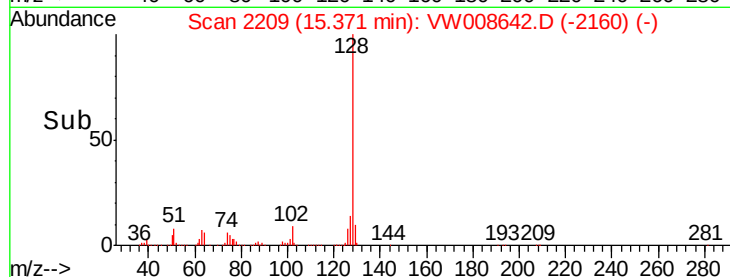
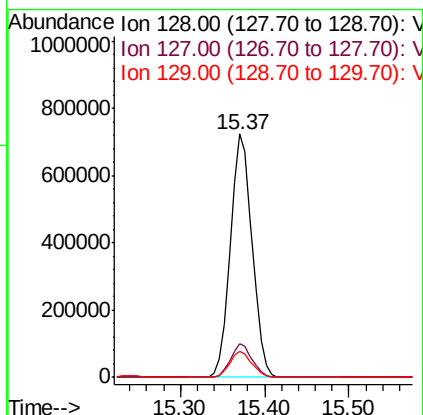
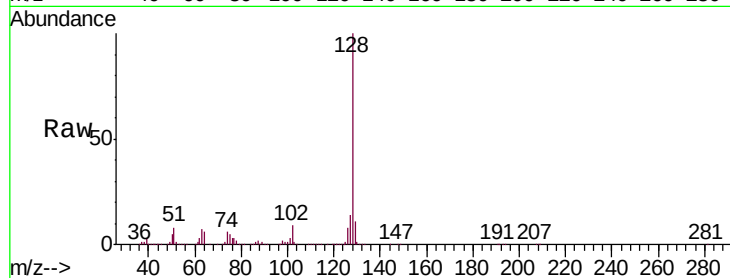




#95
Naphthalene
Concen: 103.840 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 1262960
Ion Ratio Lower Upper
128 100
127 13.5 10.9 16.3
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 99.291 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008642.D
Acq: 13 Feb 2019 16:03

Tgt Ion:180 Resp: 578258
Ion Ratio Lower Upper
180 100
182 95.2 47.5 142.5
145 32.1 15.9 47.7

