

Data File : VW002526.D

Acq On : 14 May 2018 21:41

Operator : JC/SY

Sample : VSTDIC020

Misc : 5.00G/5ML/MSVOA_W/SOIL

ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Quant Time: May 15 02:25:48 2018

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M

Quant Title : SW846 8260

QLast Update : Tue May 15 02:22:37 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	350554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	325452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	46808	19.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.54%	
35) Dibromofluoromethane	7.88	113	43362	19.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.86%	
50) Toluene-d8	10.33	98	163837	19.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.40%	
62) 4-Bromofluorobenzene	12.63	95	58839	19.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	13733	15.87	ug/l	96
3) Chloromethane	2.21	50	32599	18.72	ug/l	99
4) Vinyl Chloride	2.36	62	49831	17.45	ug/l	96
5) Bromomethane	2.76	94	44116	19.06	ug/l	96
6) Chloroethane	2.92	64	36791	18.91	ug/l	99
7) Trichlorofluoromethane	3.24	101	22406	18.83	ug/l	97
8) Diethyl Ether	3.67	74	32780	24.45	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	38506	18.52	ug/l	95
10) Methyl Iodide	4.26	142	62022	18.54	ug/l	100
11) Tert butyl alcohol	5.19	59	16722	92.02	ug/l	97
12) 1,1-Dichloroethene	4.03	96	38194	18.63	ug/l	89
13) Acrolein	3.88	56	18727	120.47	ug/l	99
14) Allyl chloride	4.65	41	56775	18.77	ug/l	100
15) Acrylonitrile	5.36	53	50807	96.93	ug/l	99
16) Acetone	4.12	43	52690	108.66	ug/l	98
17) Carbon Disulfide	4.36	76	105052	17.78	ug/l	97
18) Methyl Acetate	4.67	43	25781	17.78	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	70360	19.34	ug/l	96
20) Methylene Chloride	4.91	84	44282	19.45	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	41526	18.74	ug/l	100
22) Diisopropyl ether	6.31	45	126900	19.07	ug/l	99
23) Vinyl Acetate	6.25	43	386420	96.57	ug/l	100
24) 1,1-Dichloroethane	6.21	63	76270	18.96	ug/l	97
25) 2-Butanone	7.18	43	70656	98.72	ug/l	100
26) 2,2-Dichloropropane	7.16	77	41298	20.25	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	48001	19.14	ug/l	98
28) Bromochloromethane	7.51	49	34112	18.63	ug/l	98
29) Tetrahydrofuran	7.53	42	43562	93.28	ug/l	98
30) Chloroform	7.67	83	80922	19.16	ug/l	94
31) Cyclohexane	7.95	56	63905	17.84	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	60630	19.03	ug/l	100
36) 1,1-Dichloropropene	8.08	75	59148	18.71	ug/l	98
37) Ethyl Acetate	7.26	43	30661	19.72	ug/l	98
38) Carbon Tetrachloride	8.07	117	57407	18.71	ug/l	97

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Quant Title : SW846 8260

QLast Update : Tue May 15 02:22:37 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	65886	17.91	ug/l	95
40) Benzene	8.32	78	174044	18.92	ug/l	96
41) Methacrylonitrile	7.49	41	15842	18.14	ug/l	93
42) 1,2-Dichloroethane	8.40	62	55432	19.21	ug/l	100
43) Isopropyl Acetate	8.43	43	57167	19.38	ug/l	100
44) Trichloroethene	9.09	130	47821	19.02	ug/l	97
45) 1,2-Dichloropropane	9.37	63	45094	19.47	ug/l	94
46) Dibromomethane	9.46	93	25374	19.54	ug/l	96
47) Bromodichloromethane	9.65	83	58102	19.00	ug/l	99
48) Methyl methacrylate	9.44	41	27097	18.95	ug/l	99
49) 1,4-Dioxane	9.45	88	8076	385.47	ug/l	93
51) 4-Methyl-2-Pentanone	10.22	43	155348	95.07	ug/l	100
52) Toluene	10.40	92	110762	18.96	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	58991	19.46	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	65773	19.10	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	36077	19.71	ug/l	98
56) Ethyl methacrylate	10.65	69	42485	18.75	ug/l	96
57) 1,3-Dichloropropane	10.94	76	60847	19.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	106564	96.75	ug/l	100
59) 2-Hexanone	10.98	43	108822	97.19	ug/l	98
60) Dibromochloromethane	11.13	129	42242	19.53	ug/l	99
61) 1,2-Dibromoethane	11.24	107	34581	19.39	ug/l	100
64) Tetrachloroethene	10.87	164	45138	18.27	ug/l	97
65) Chlorobenzene	11.66	112	128417	19.42	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	45701	19.34	ug/l	99
67) Ethyl Benzene	11.74	91	213520	18.74	ug/l	99
68) m/p-Xylenes	11.85	106	168643	38.39	ug/l	99
69) o-Xylene	12.18	106	80249	19.20	ug/l	99
70) Styrene	12.19	104	131886	19.02	ug/l	99
71) Bromoform	12.36	173	26247	19.22	ug/l #	99
73) Isopropylbenzene	12.48	105	212645	18.21	ug/l	100
74) N-amyl acetate	12.28	43	54033	18.34	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	43890	19.23	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	55869	33.51	ug/l #	100
77) Bromobenzene	12.76	156	55167	18.72	ug/l	98
78) n-propylbenzene	12.82	91	259389	18.74	ug/l	99
79) 2-Chlorotoluene	12.90	91	148286	18.64	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	183757	18.69	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11631	18.96	ug/l	98
82) 4-Chlorotoluene	13.00	91	162175	19.13	ug/l	99
83) tert-Butylbenzene	13.22	119	158416	18.75	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	192740	18.90	ug/l	100
85) sec-Butylbenzene	13.40	105	226185	18.69	ug/l	99
86) p-Isopropyltoluene	13.51	119	203969	18.81	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	112350	19.27	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	113115	19.42	ug/l	99
89) n-Butylbenzene	13.83	91	193269	19.06	ug/l	99
90) Hexachloroethane	14.11	117	35445	18.30	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	102793	19.36	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7898	20.00	ug/l	94

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
Quantitation Report (Not Reviewed)

Data File : VW002526.D
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Sample : VSTDICC020
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDICC020

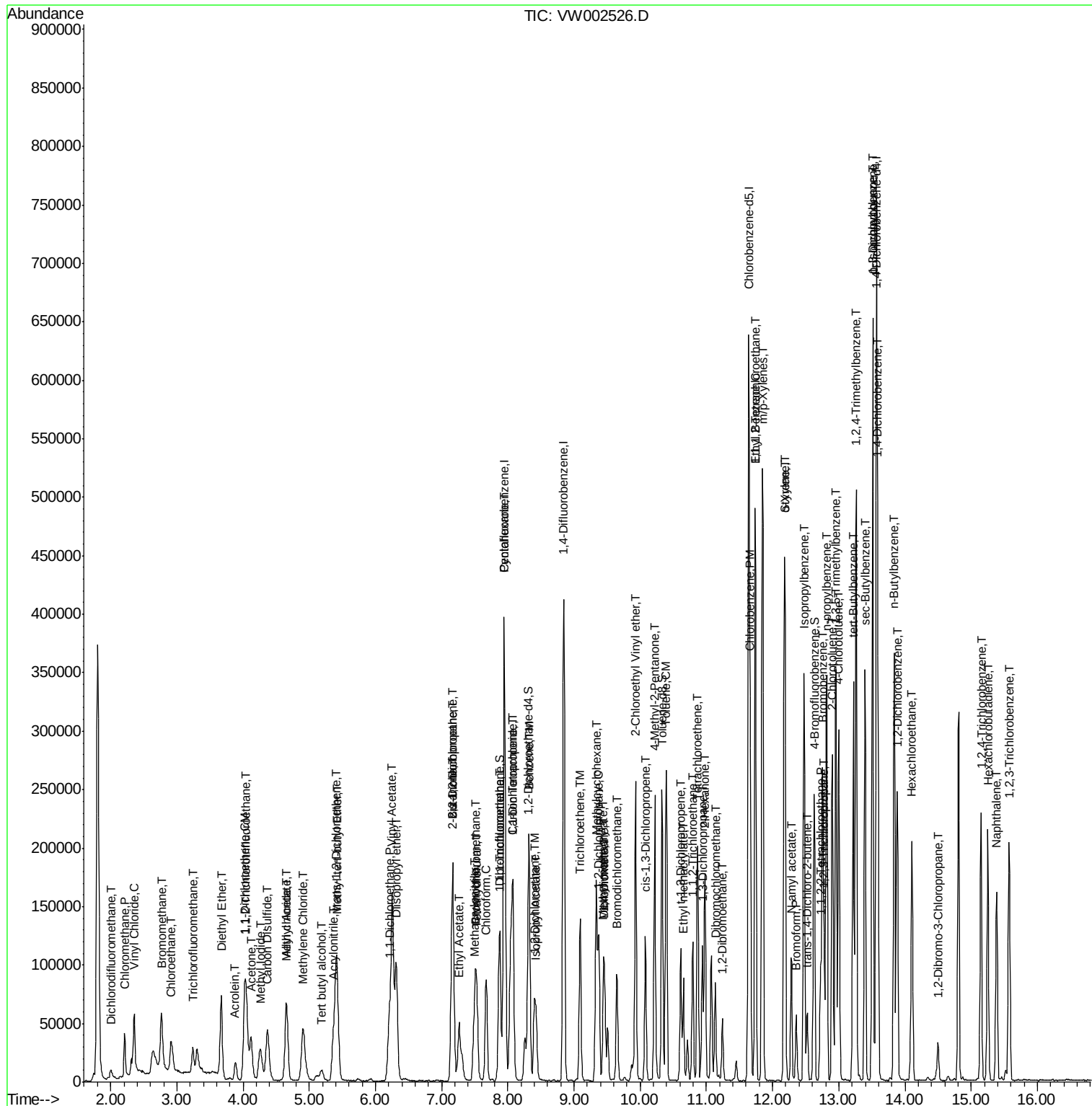
Quant Time: May 15 02:25:48 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
Quant Title : SW846 8260
QLast Update : Tue May 15 02:22:37 2018
Response via : Initial Calibration

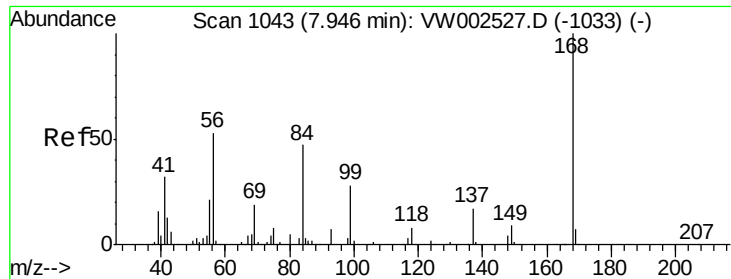
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	74751	19.64	ug/l	98
94) Hexachlorobutadiene	15.25	225	41722	19.69	ug/l	98
95) Naphthalene	15.38	128	134836	19.19	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	68592	20.08	ug/l	98

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

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Quant Time: May 15 02:25:48 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

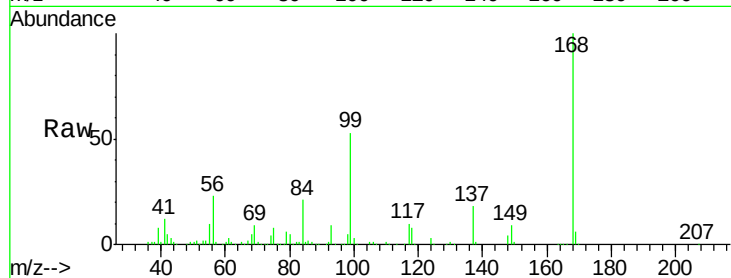
VSTDIC020

Tgt Ion:168 Resp: 230472

Ion Ratio Lower Upper

168 100

99 52.4 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

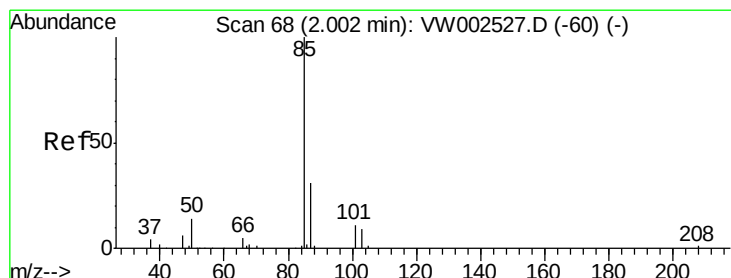
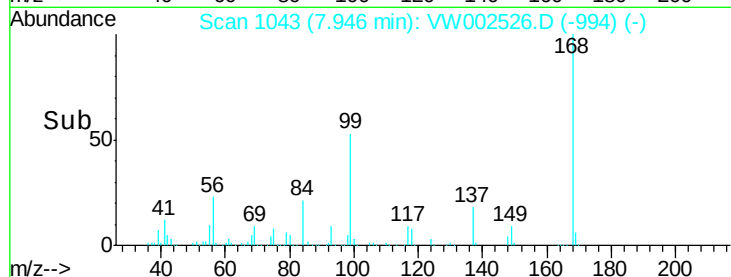
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.87 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002526.D

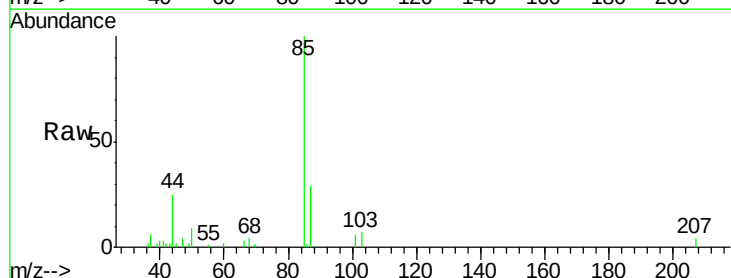
Acq: 14 May 2018 21:41

Tgt Ion: 85 Resp: 13733

Ion Ratio Lower Upper

85 100

87 28.8 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

5000

4000

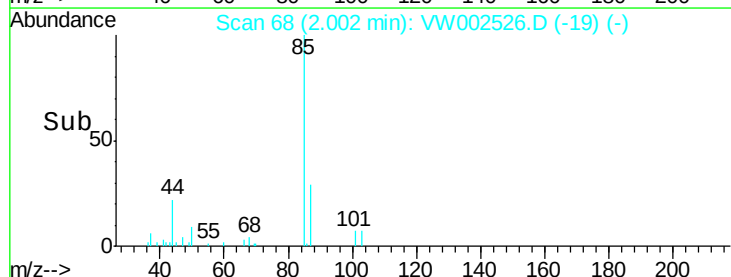
3000

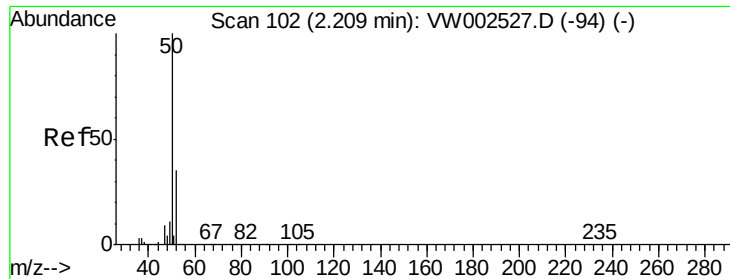
2000

1000

0

Time-->





#3

Chloromethane

Concen: 18.72 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

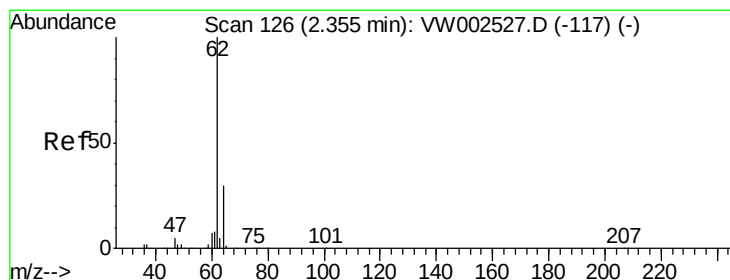
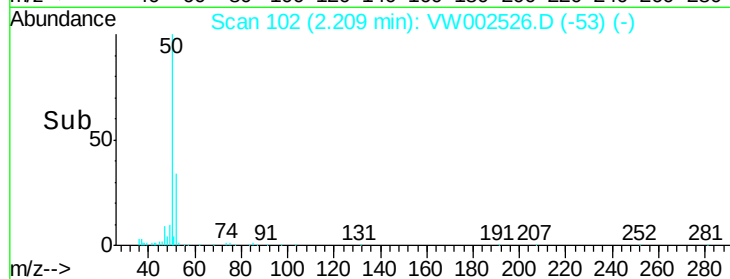
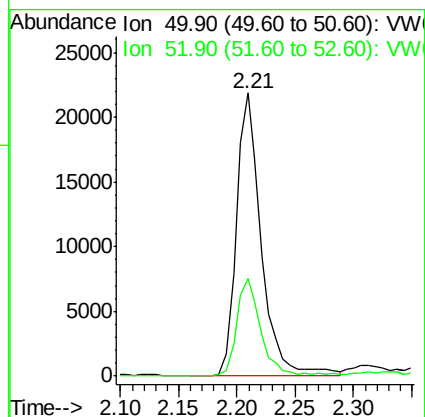
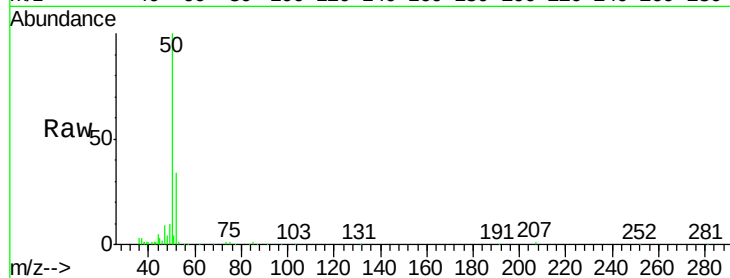
VSTDIC020

Tgt Ion: 50 Resp: 32599

Ion Ratio Lower Upper

50 100

52 34.5 27.8 41.8



#4

Vinyl Chloride

Concen: 17.45 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002526.D

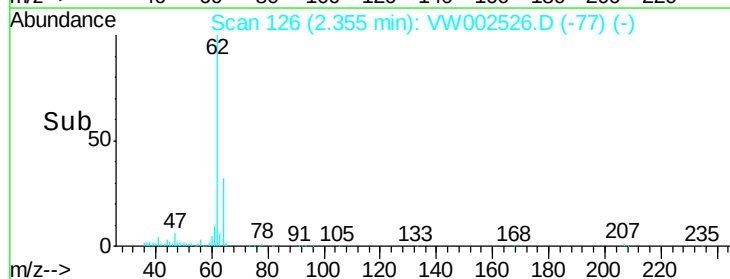
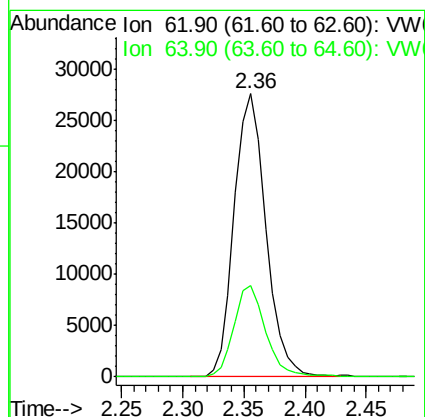
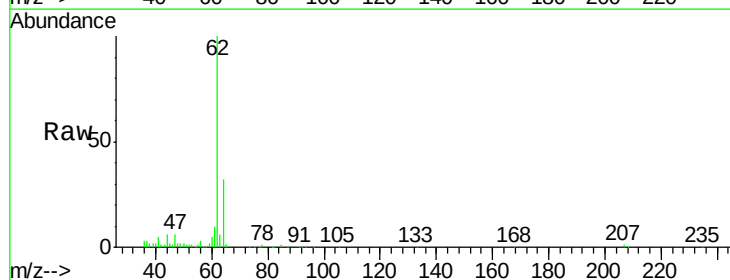
Acq: 14 May 2018 21:41

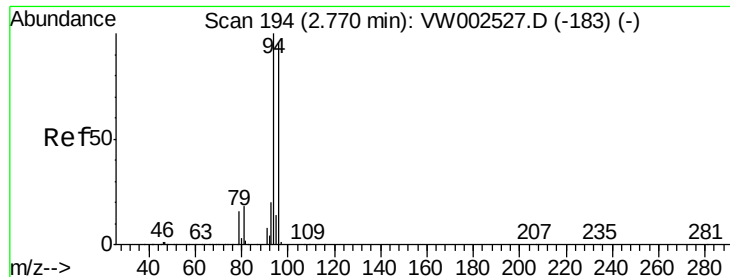
Tgt Ion: 62 Resp: 49831

Ion Ratio Lower Upper

62 100

64 32.1 24.0 36.0





#5

Bromomethane

Concen: 19.06 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

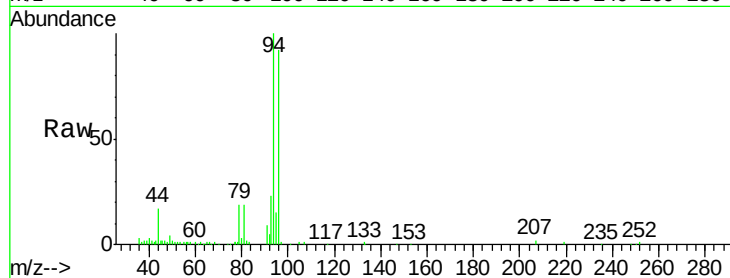
VSTDIC020

Tgt Ion: 94 Resp: 44116

Ion Ratio Lower Upper

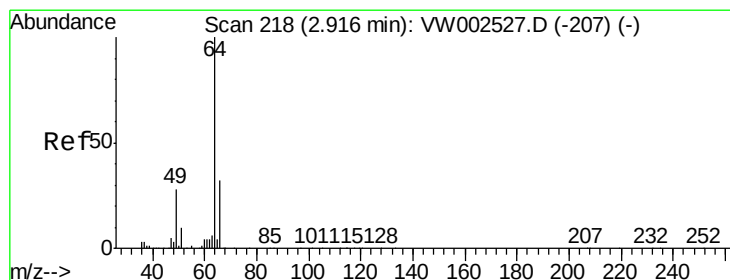
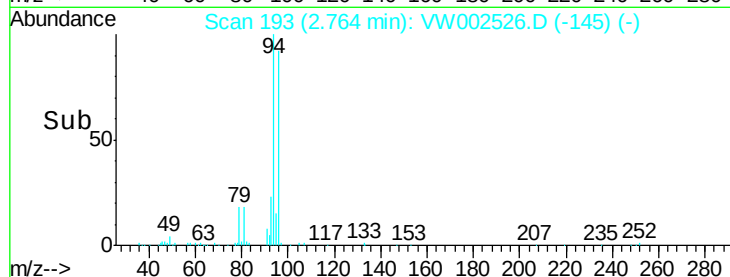
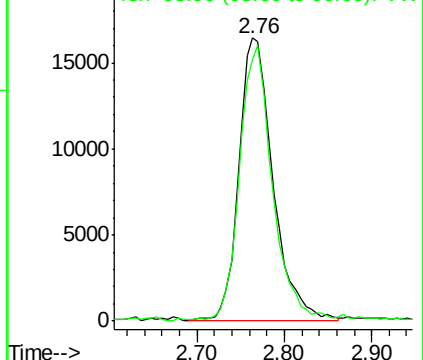
94 100

96 92.3 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.91 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW002526.D

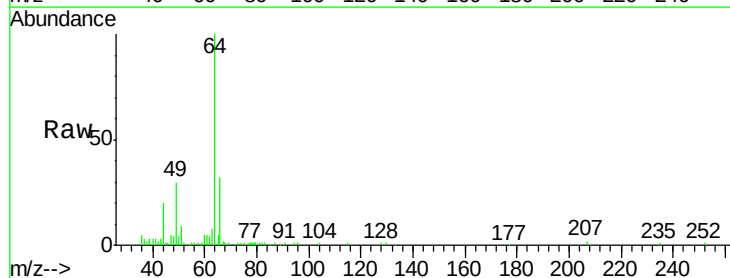
Acq: 14 May 2018 21:41

Tgt Ion: 64 Resp: 36791

Ion Ratio Lower Upper

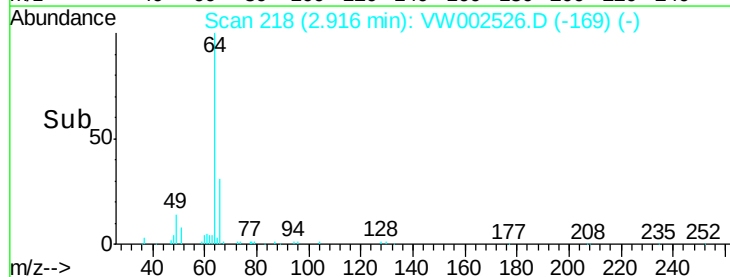
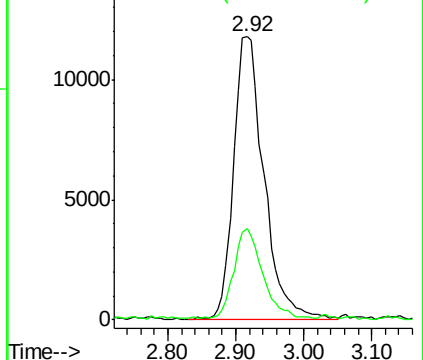
64 100

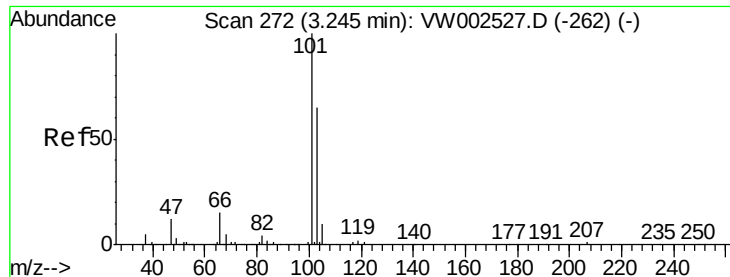
66 31.9 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



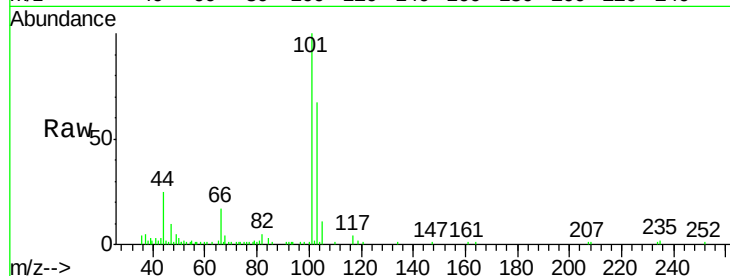


#7

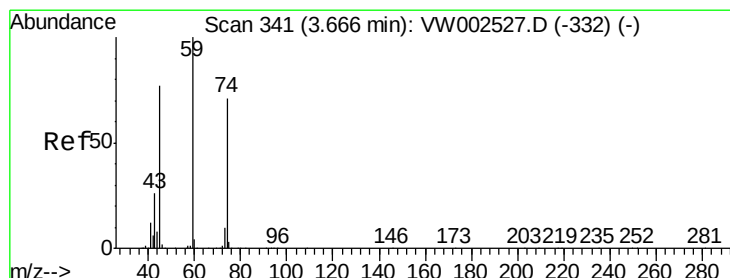
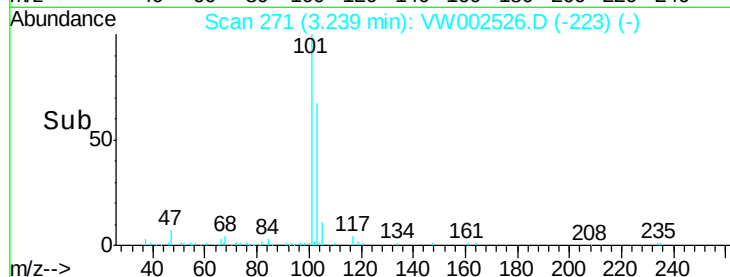
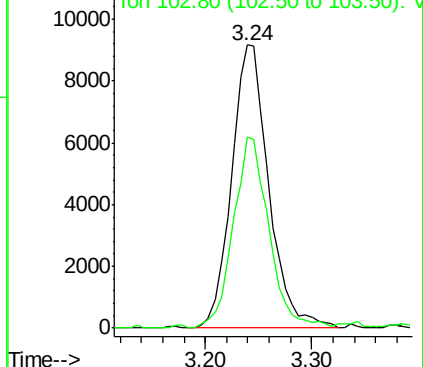
Trichlorofluoromethane
Concen: 18.83 ug/l
RT: 3.24 min Scan# 271
Delta R.T. -0.01 min
Lab File: VW002526.D
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Instrument :
MSVOA_W
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Tgt Ion:101 Resp: 22406
Ion Ratio Lower Upper
101 100
103 67.4 51.8 77.8



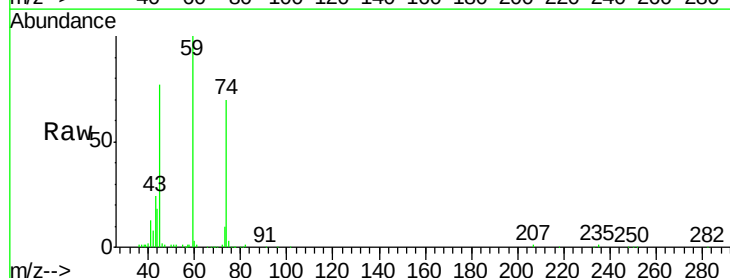
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



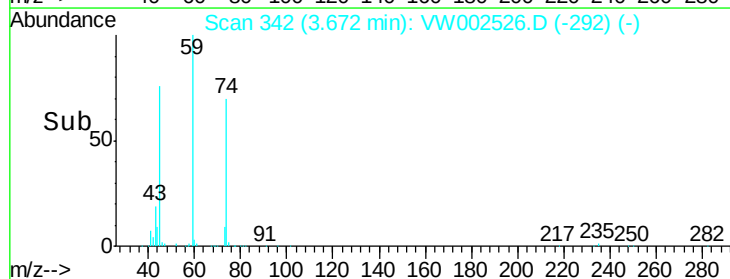
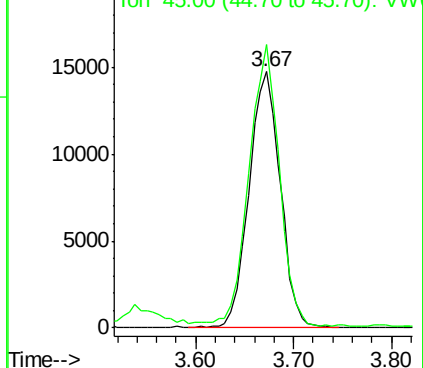
#8

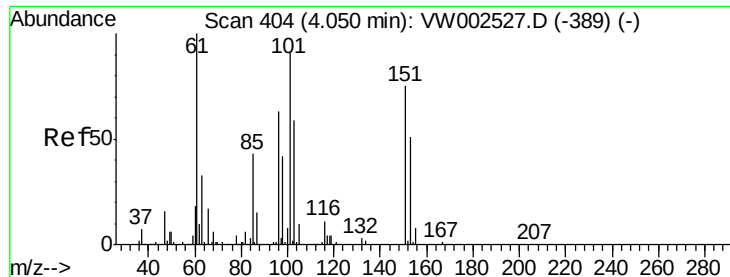
Diethyl Ether
Concen: 24.45 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.01 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Tgt Ion: 74 Resp: 32780
Ion Ratio Lower Upper
74 100
45 106.2 52.3 156.8



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.52 ug/l

RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

Lab File: VW002526.D

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MSVOA_W

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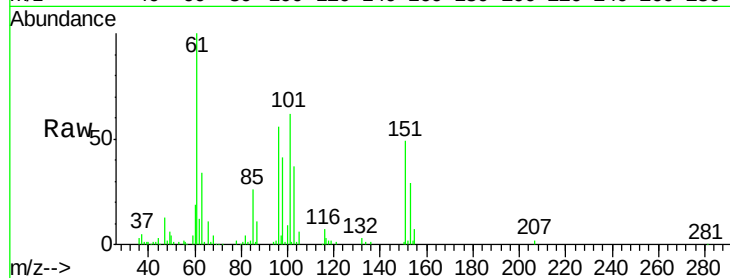
Tgt Ion:101 Resp: 38506

Ion Ratio Lower Upper

101 100

85 42.3 36.5 54.7

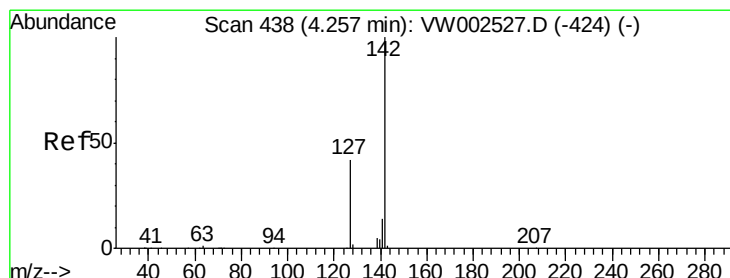
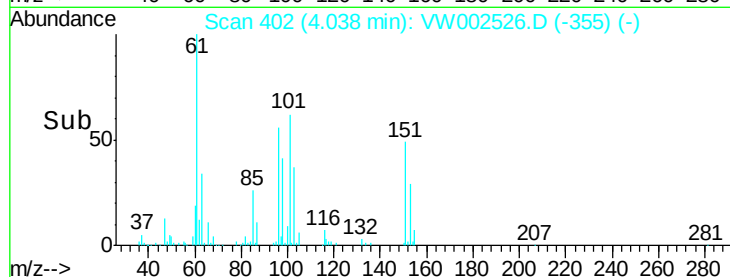
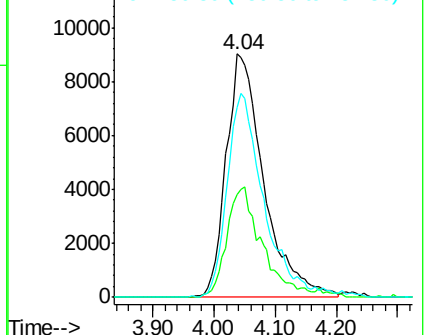
151 79.5 66.7 100.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.54 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

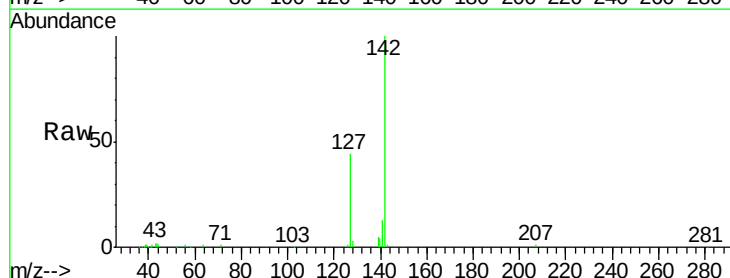
Tgt Ion:142 Resp: 62022

Ion Ratio Lower Upper

142 100

127 43.4 34.6 52.0

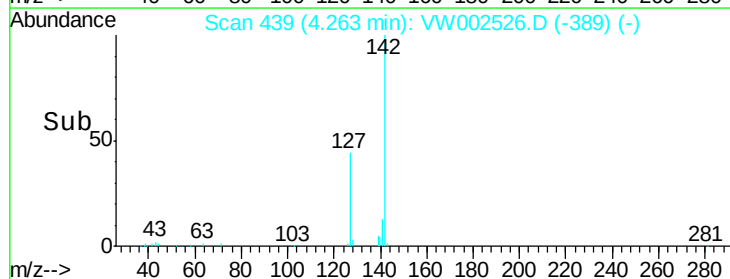
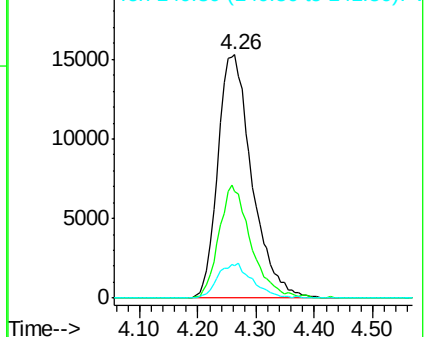
141 14.4 11.8 17.8

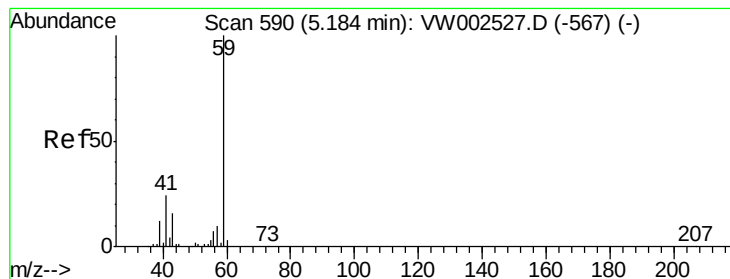


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 92.02 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.01 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

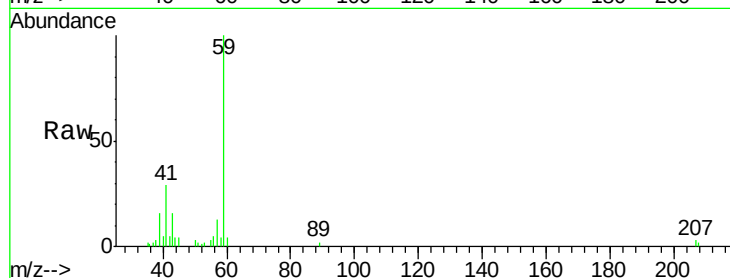
VSTDIC020

Tgt Ion: 59 Resp: 16722

Ion Ratio Lower Upper

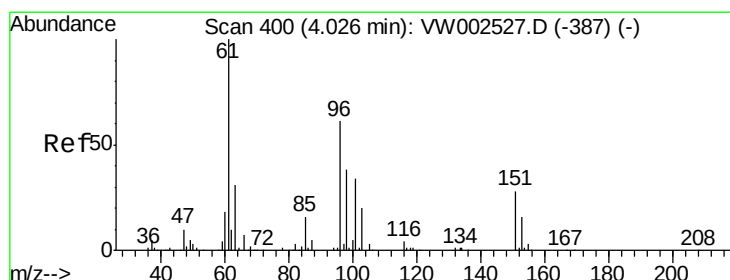
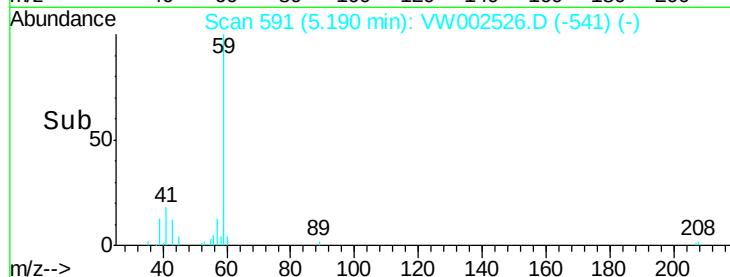
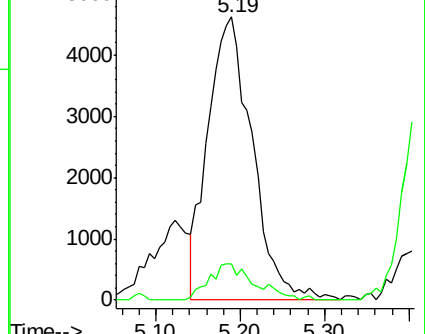
59 100

57 11.3 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 18.63 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

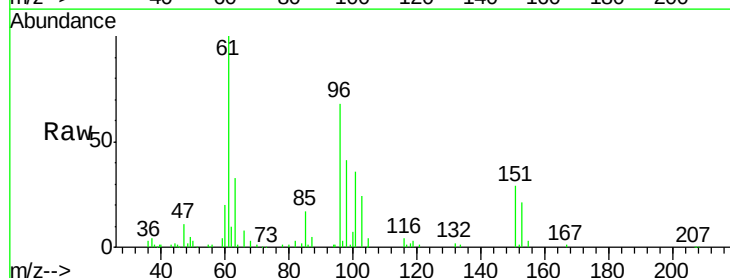
Tgt Ion: 96 Resp: 38194

Ion Ratio Lower Upper

96 100

61 146.0 132.2 198.2

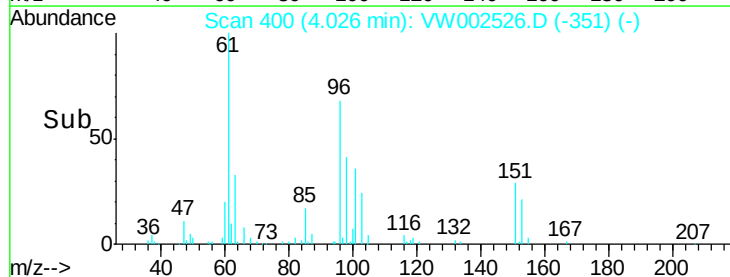
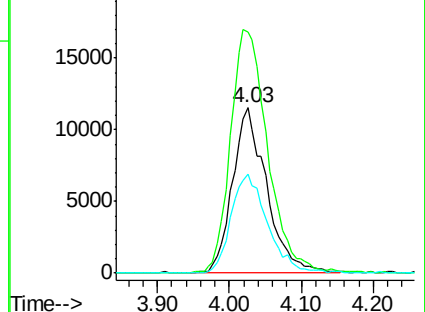
98 59.9 50.6 76.0

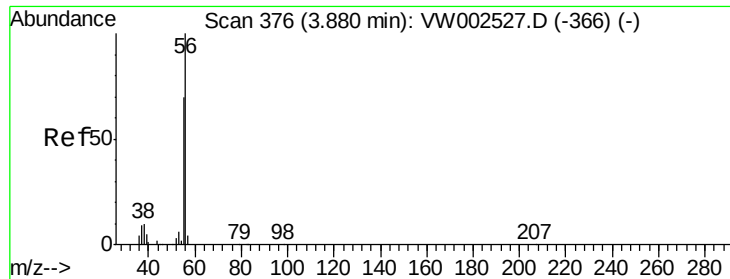


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 120.47 ug/l

RT: 3.88 min Scan# 376

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

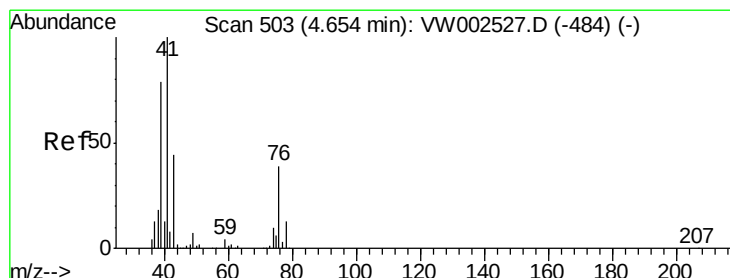
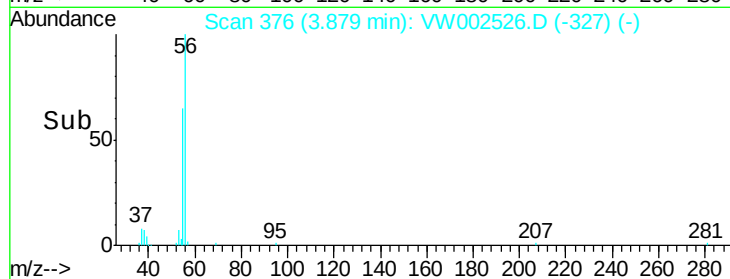
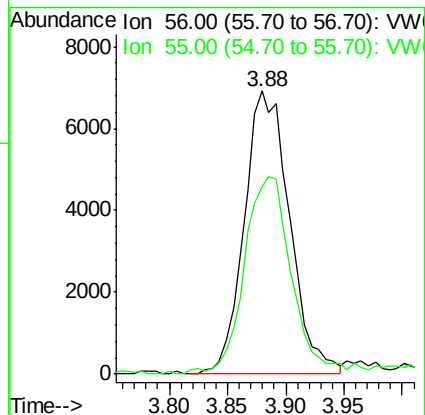
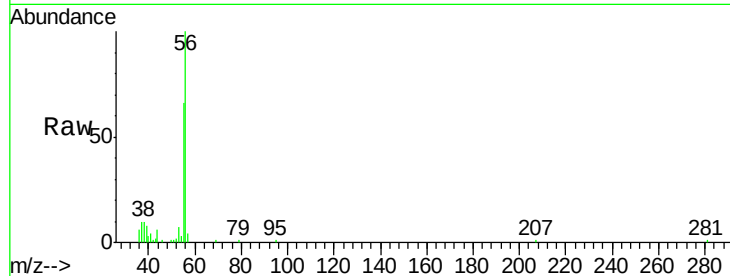
VSTDIC020

Tgt Ion: 56 Resp: 18727

Ion Ratio Lower Upper

56 100

55 72.0 57.0 85.4



#14

Allyl chloride

Concen: 18.77 ug/l

RT: 4.65 min Scan# 502

Delta R.T. -0.01 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

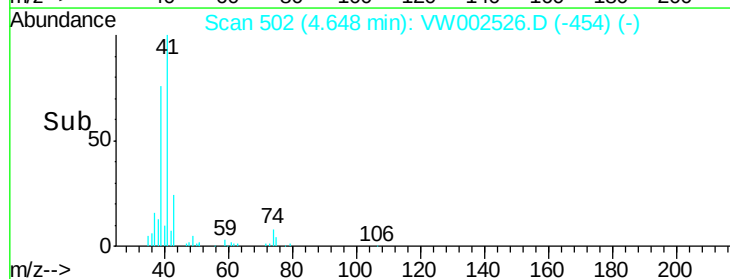
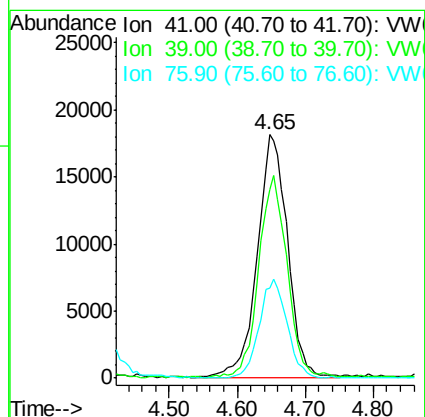
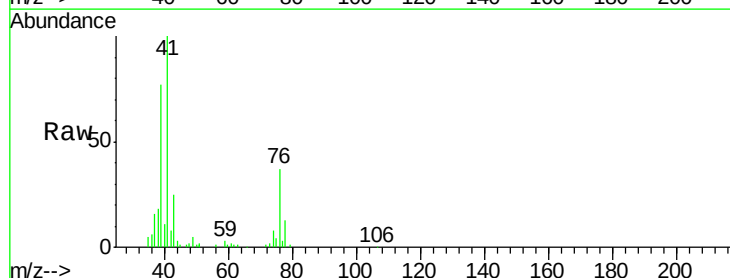
Tgt Ion: 41 Resp: 56775

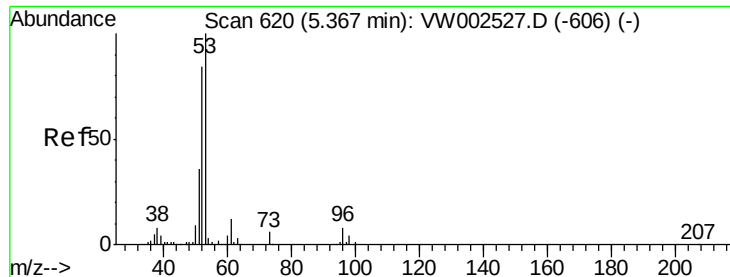
Ion Ratio Lower Upper

41 100

39 76.4 61.4 92.2

76 37.2 29.6 44.4





#15

Acrylonitrile

Concen: 96.93 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

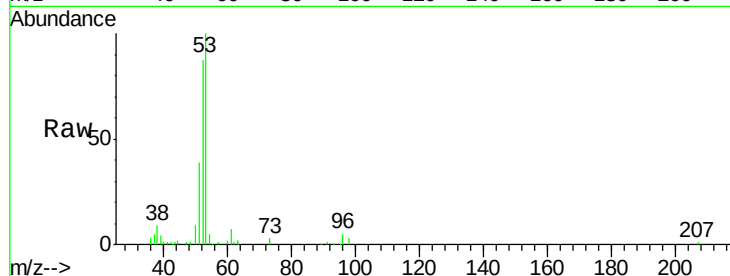
Tgt Ion: 53 Resp: 50807

Ion Ratio Lower Upper

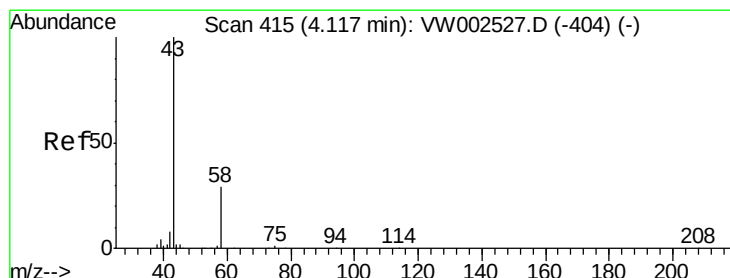
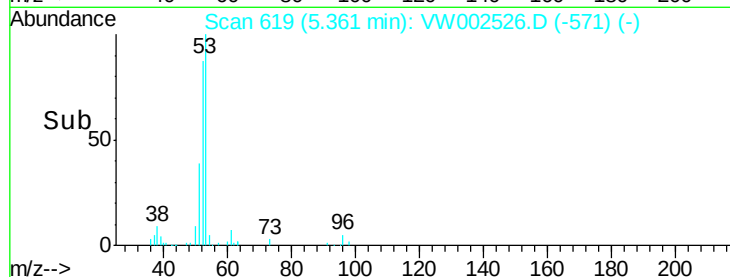
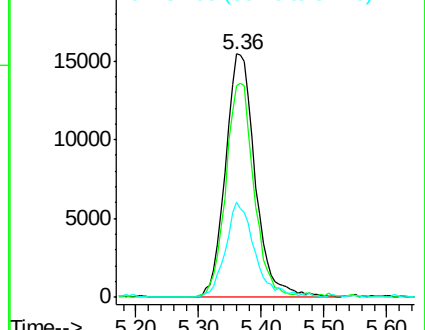
53 100

52 82.5 66.6 100.0

51 38.2 30.6 46.0



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: 108.66 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002526.D

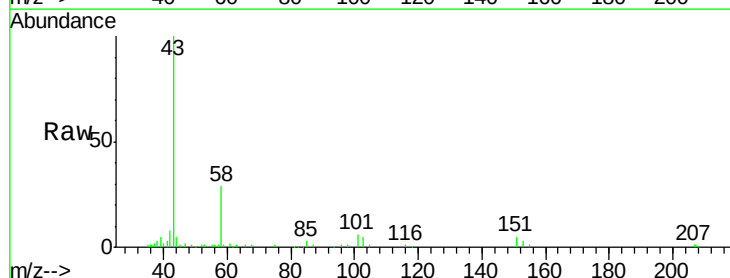
Acq: 14 May 2018 21:41

Tgt Ion: 43 Resp: 52690

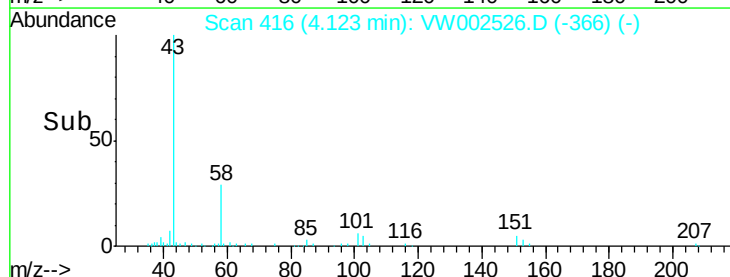
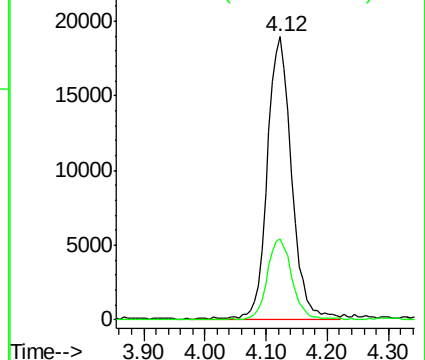
Ion Ratio Lower Upper

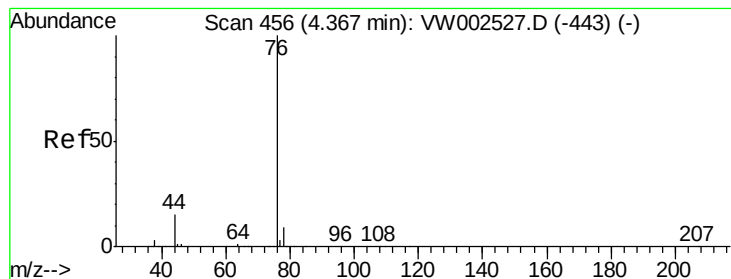
43 100

58 28.3 23.4 35.0



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





#17

Carbon Disulfide

Concen: 17.78 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

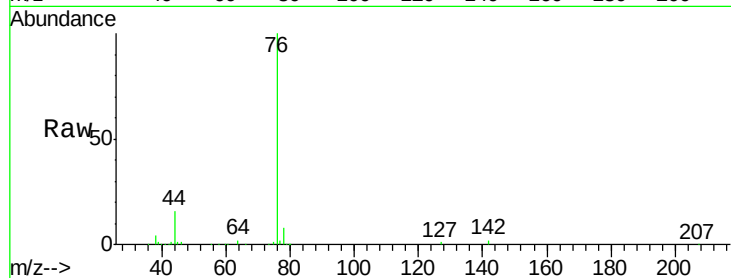
VSTDIC020

Tgt Ion: 76 Resp: 105052

Ion Ratio Lower Upper

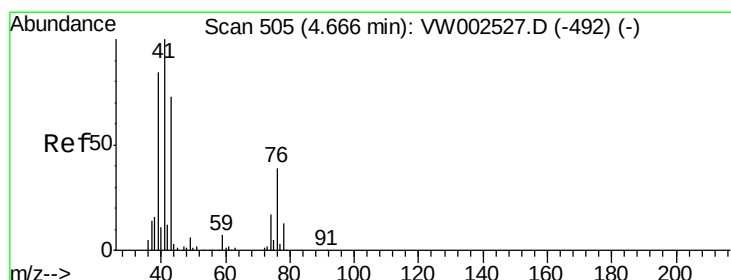
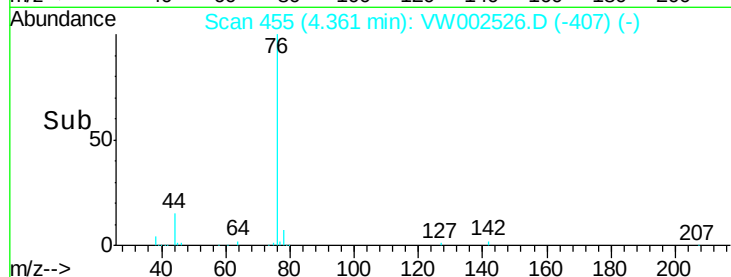
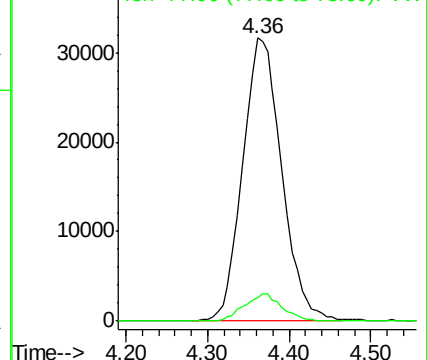
76 100

78 8.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 17.78 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW002526.D

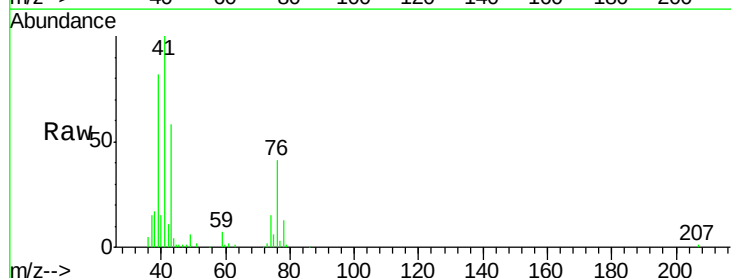
Acq: 14 May 2018 21:41

Tgt Ion: 43 Resp: 25781

Ion Ratio Lower Upper

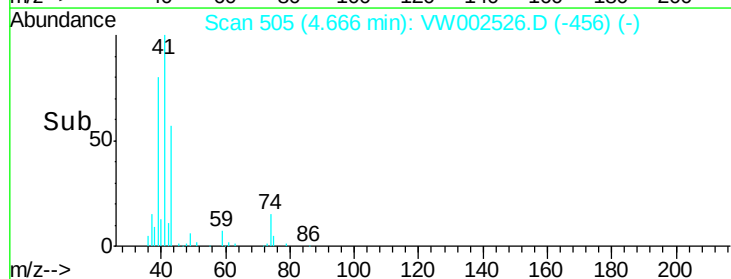
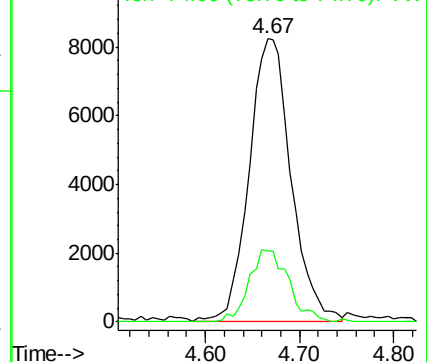
43 100

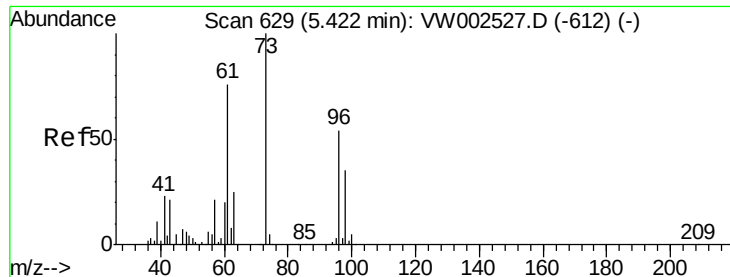
74 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

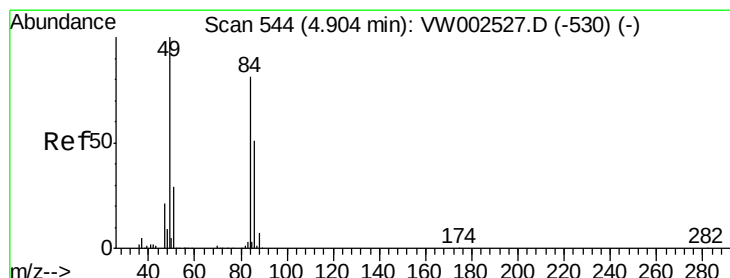
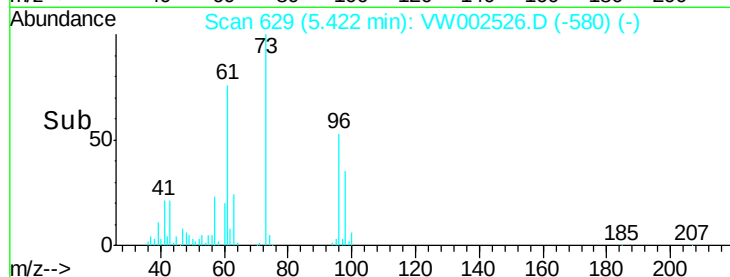
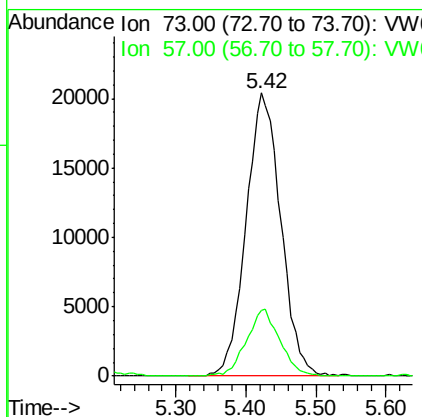
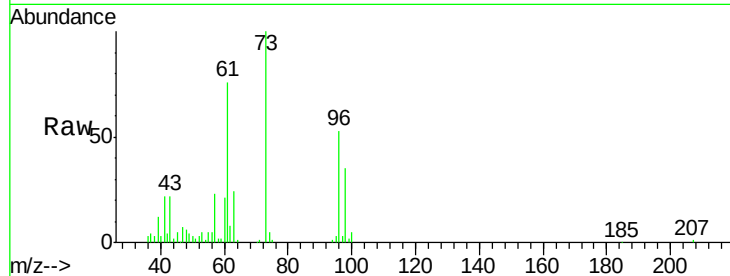




#19
Methyl tert-butyl Ether
Concen: 19.34 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

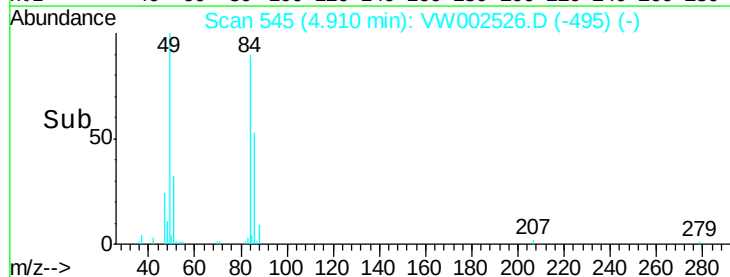
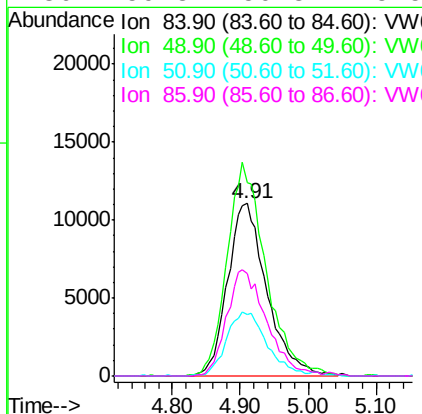
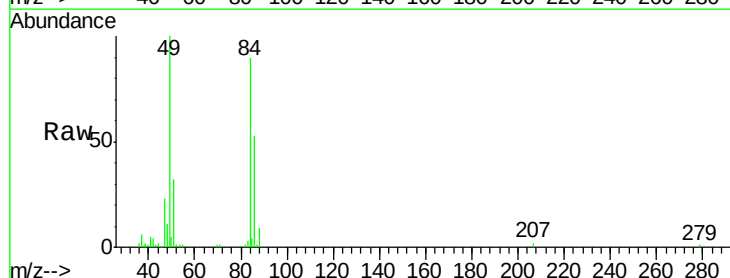
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

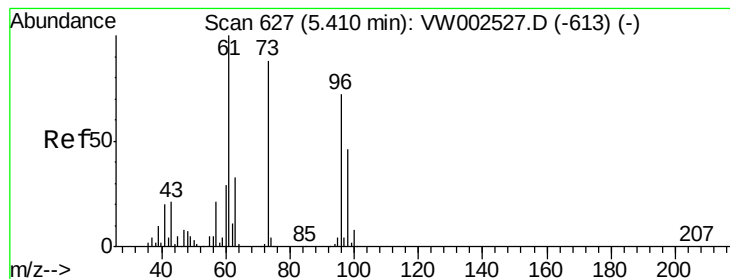
Tgt Ion: 73 Resp: 70360
Ion Ratio Lower Upper
73 100
57 23.1 17.0 25.6



#20
Methylene Chloride
Concen: 19.45 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Tgt Ion: 84 Resp: 44282
Ion Ratio Lower Upper
84 100
49 111.2 99.4 149.0
51 35.5 29.0 43.6
86 59.3 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 18.74 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

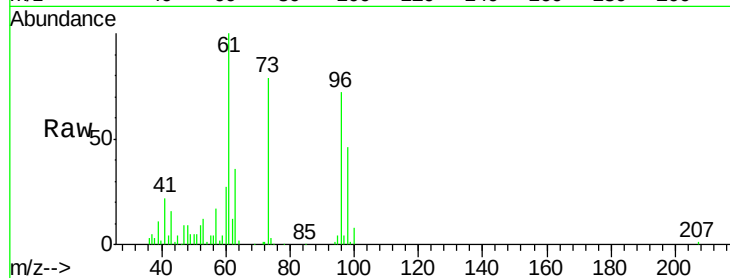
Tgt Ion: 96 Resp: 41526

Ion Ratio Lower Upper

96 100

61 139.6 111.6 167.4

98 64.1 51.7 77.5

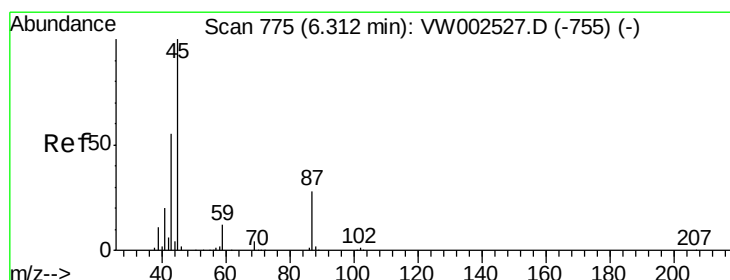
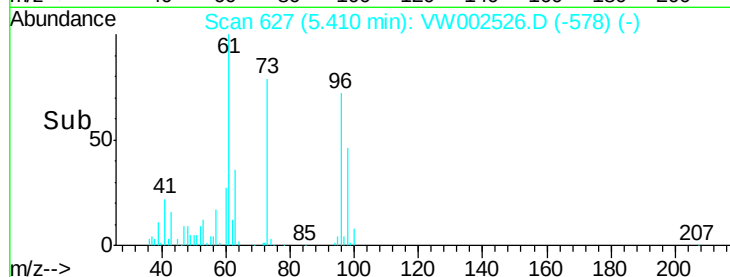
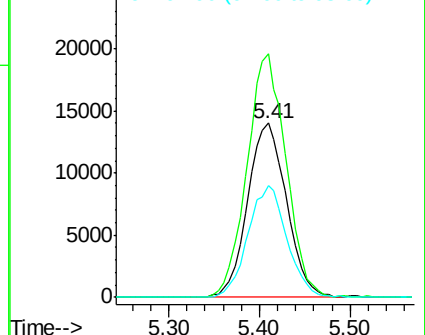


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.07 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Tgt Ion: 45 Resp: 126900

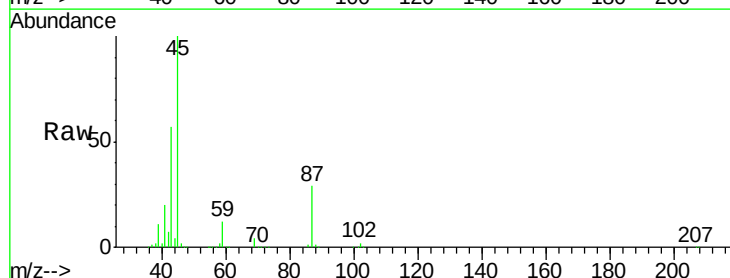
Ion Ratio Lower Upper

45 100

43 56.5 44.4 66.6

87 28.7 23.0 34.4

59 12.0 9.4 14.2



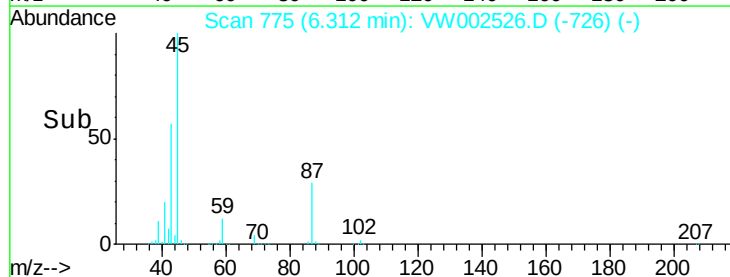
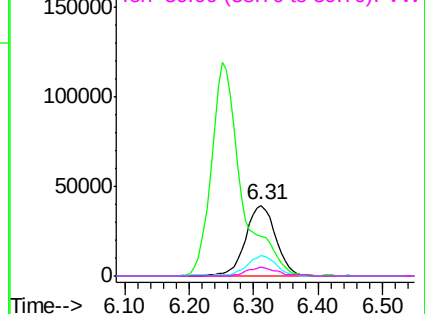
Abundance

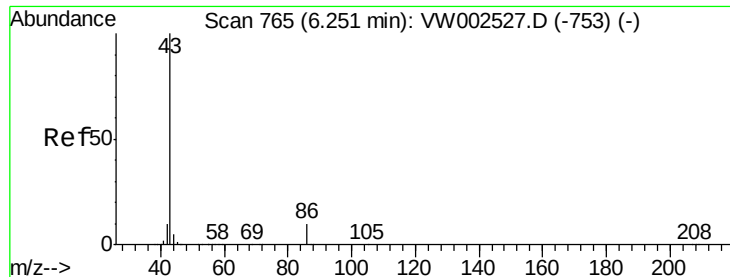
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 96.57 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

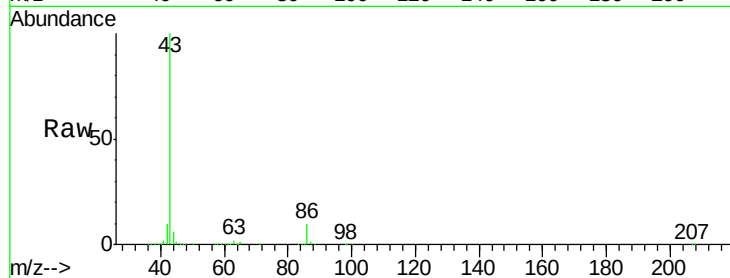
VSTDIC020

Tgt Ion: 43 Resp: 386420

Ion Ratio Lower Upper

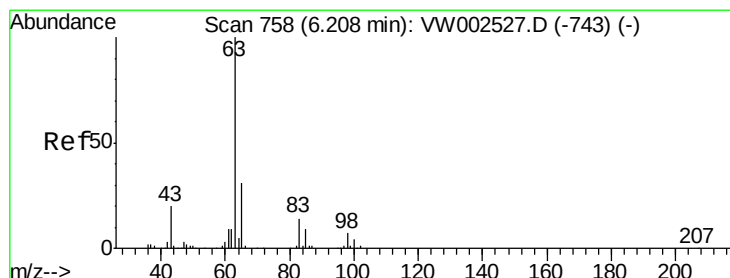
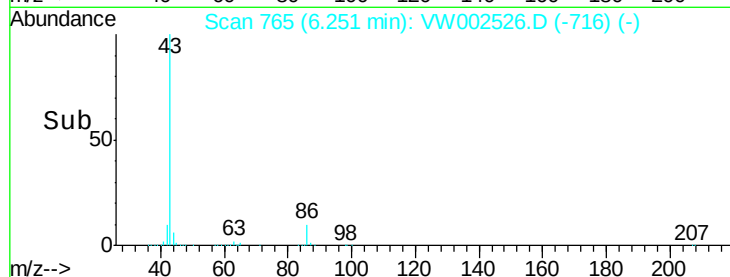
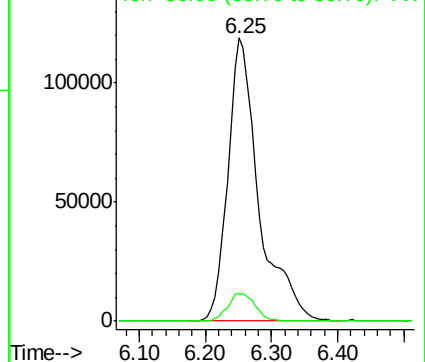
43 100

86 9.7 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: 18.96 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

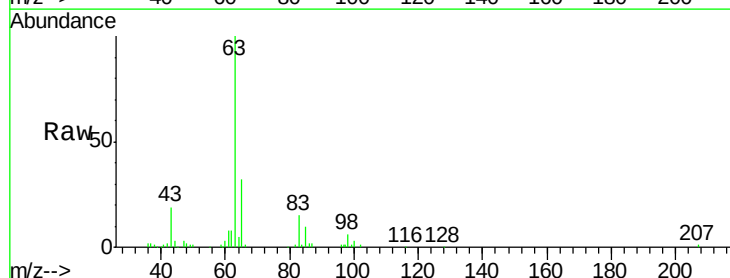
Tgt Ion: 63 Resp: 76270

Ion Ratio Lower Upper

63 100

98 6.4 3.6 10.9

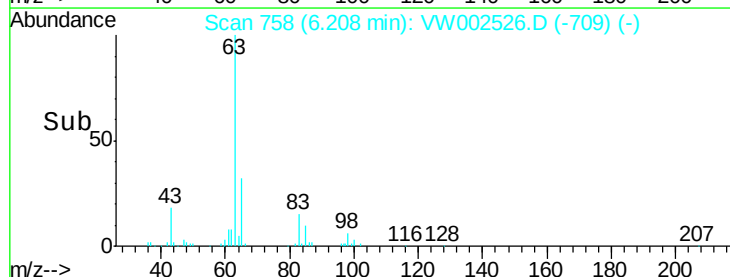
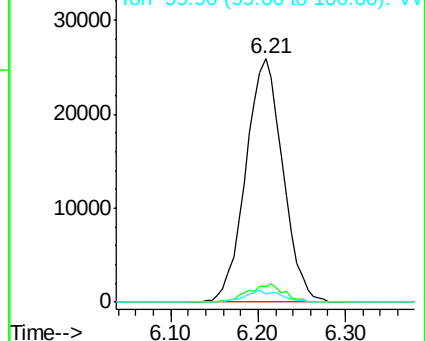
100 3.4 2.1 6.5

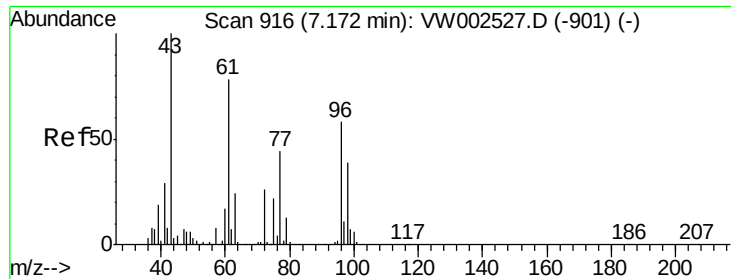


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

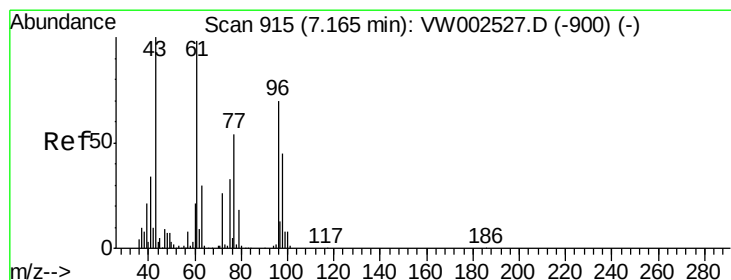
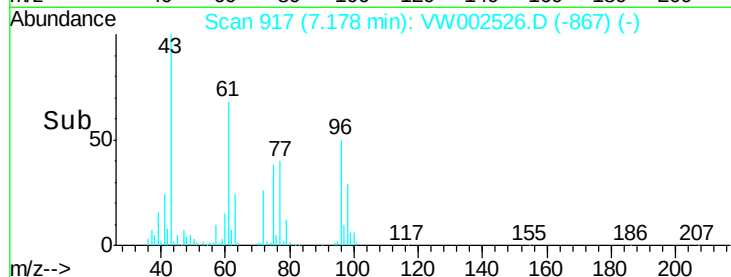
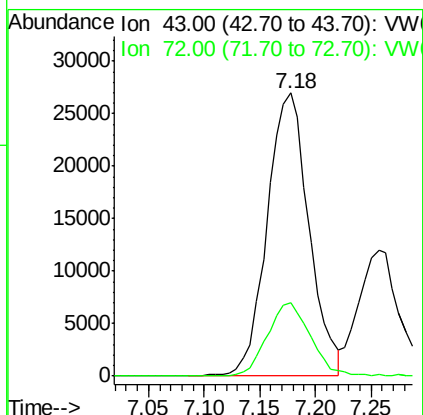
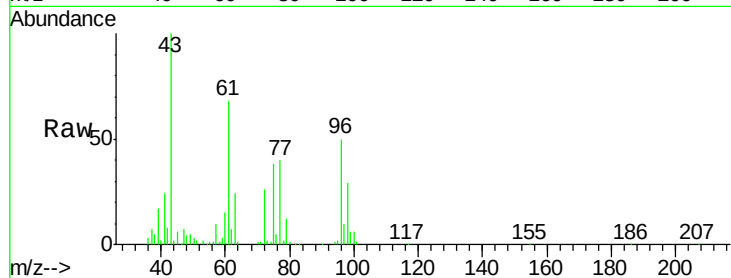




#25
 2-Butanone
 Concen: 98.72 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. 0.01 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

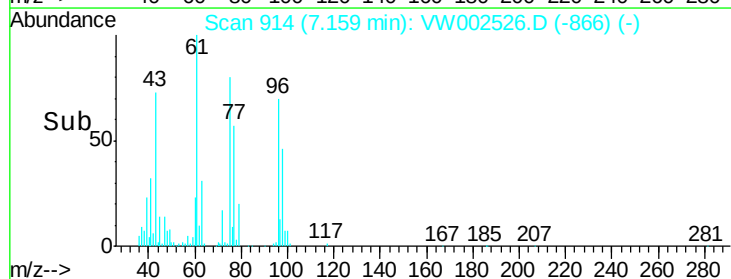
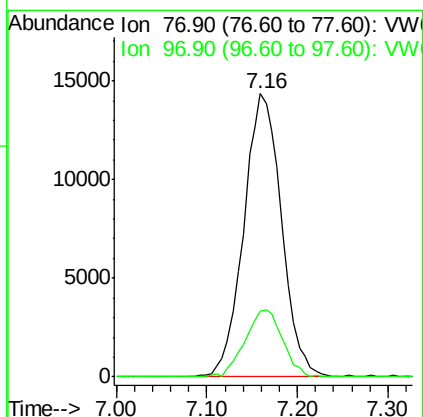
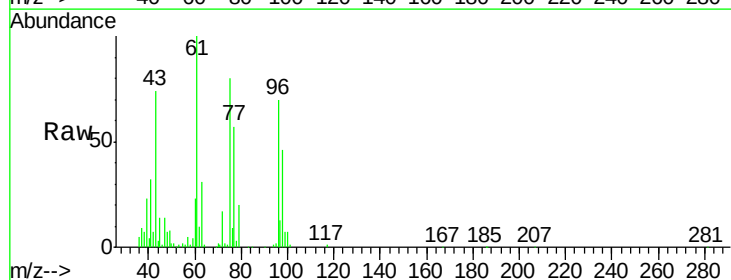
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

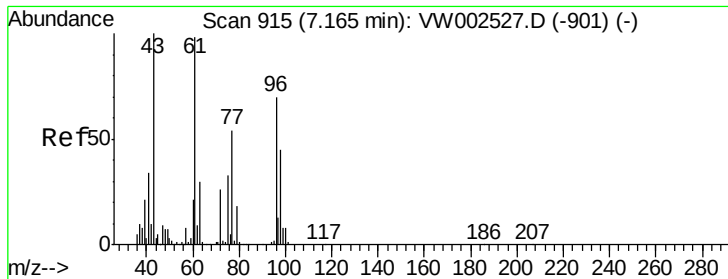
Tgt Ion: 43 Resp: 70656
 Ion Ratio Lower Upper
 43 100
 72 26.1 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 20.25 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion: 77 Resp: 41298
 Ion Ratio Lower Upper
 77 100
 97 23.6 12.1 36.3



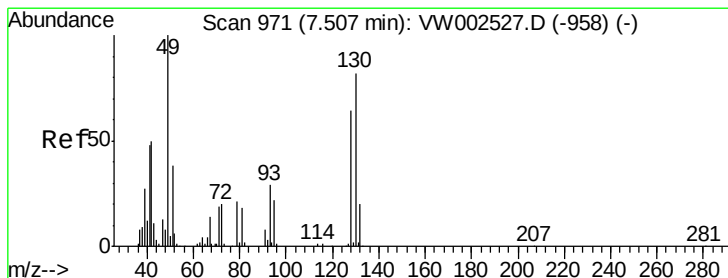
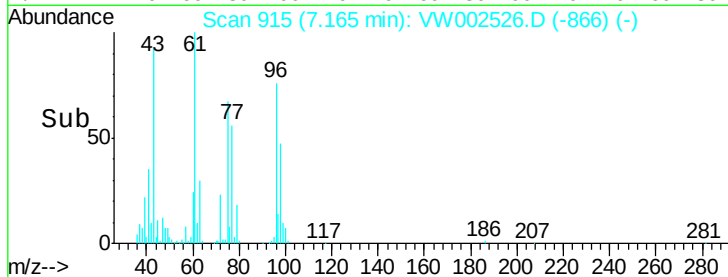
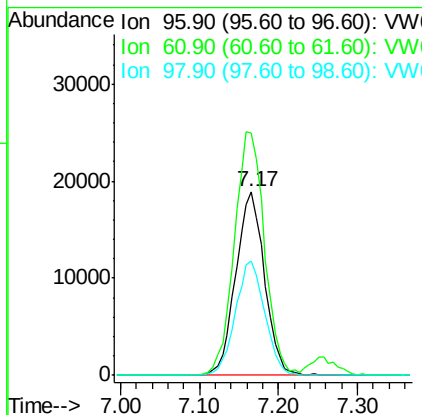
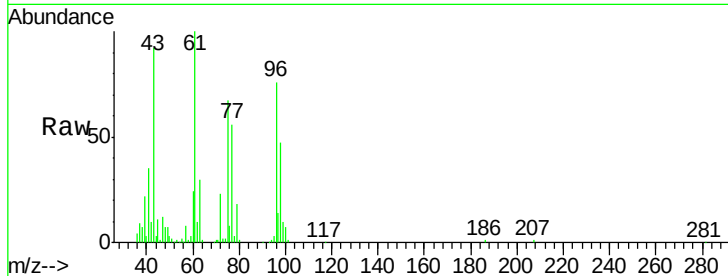


#27

cis-1,2-Dichloroethene
 Concen: 19.14 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

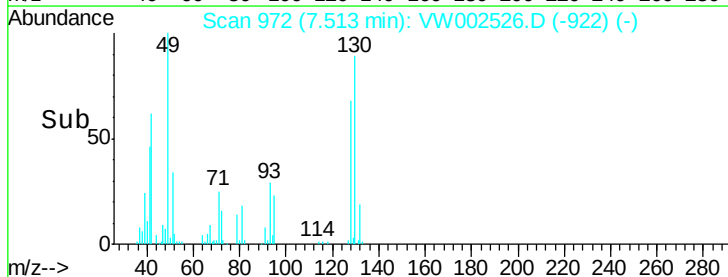
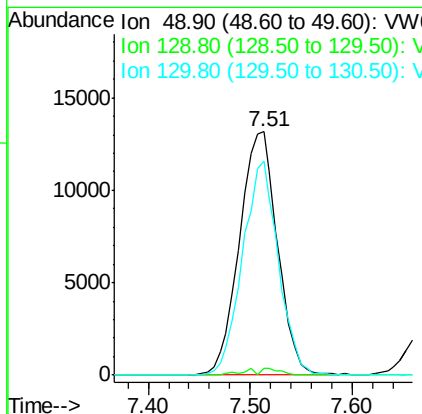
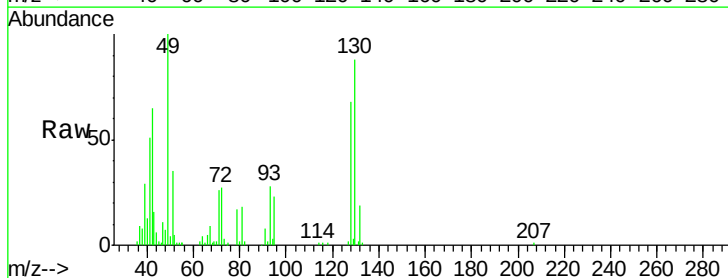
Tgt Ion: 96 Resp: 48001
 Ion Ratio Lower Upper
 96 100
 61 139.0 0.0 281.6
 98 63.3 0.0 130.8

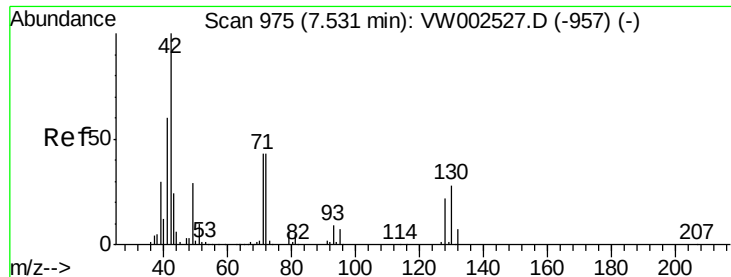


#28

Bromochloromethane
 Concen: 18.63 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion: 49 Resp: 34112
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 4.4
 130 82.7 64.7 97.1

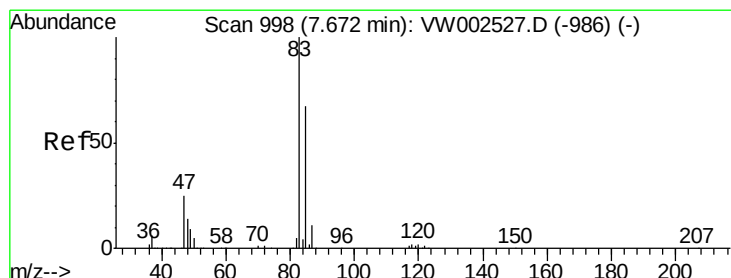
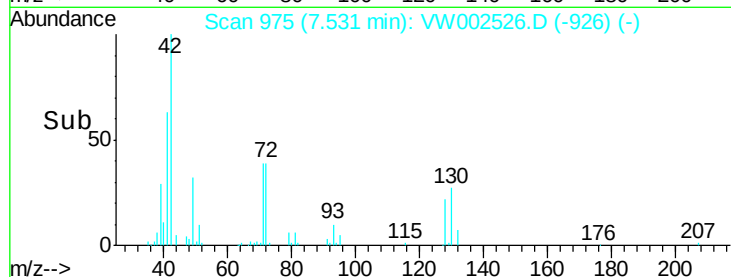
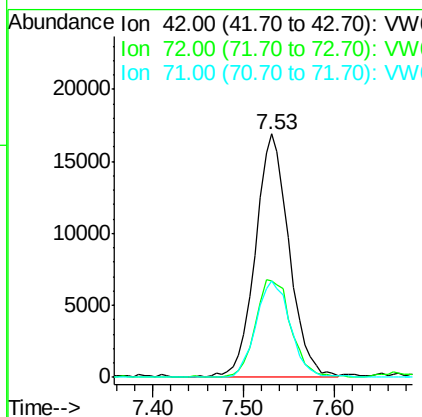
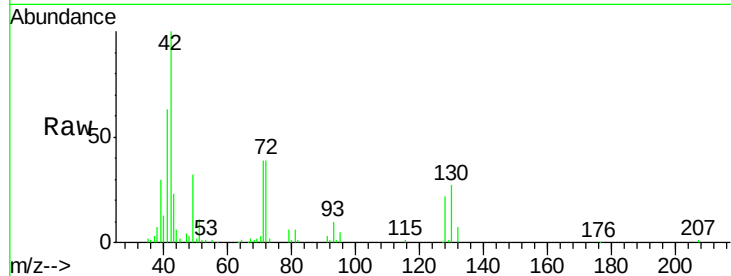




#29
Tetrahydrofuran
Concen: 93.28 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

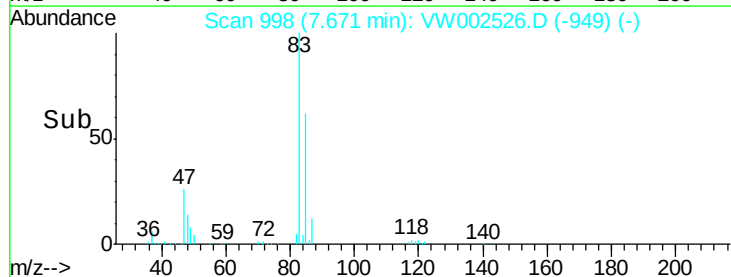
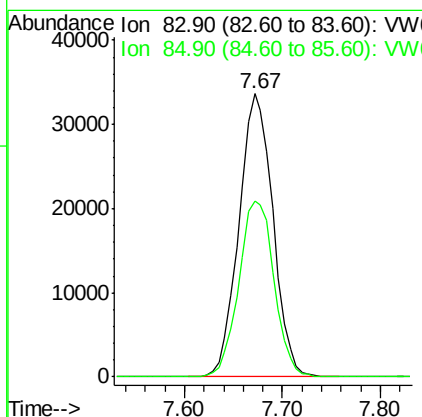
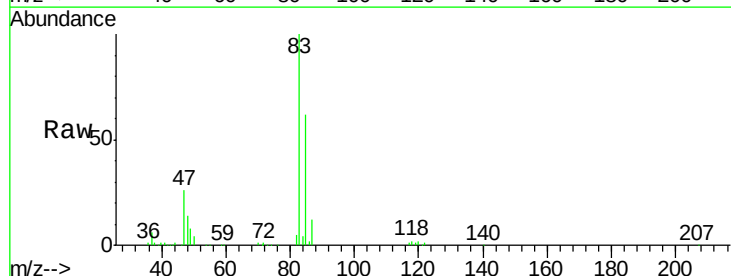
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

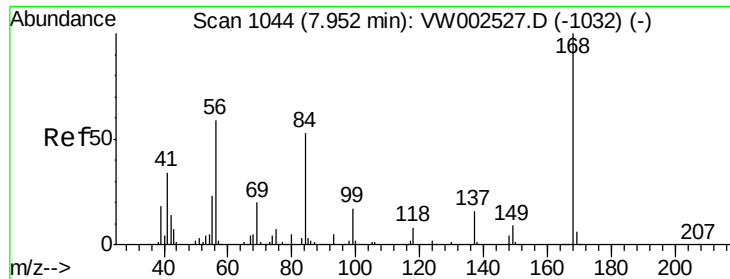
Tgt Ion: 42 Resp: 43562
Ion Ratio Lower Upper
42 100
72 42.1 35.0 52.4
71 39.9 33.0 49.6



#30
Chloroform
Concen: 19.16 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Tgt Ion: 83 Resp: 80922
Ion Ratio Lower Upper
83 100
85 62.2 53.9 80.9

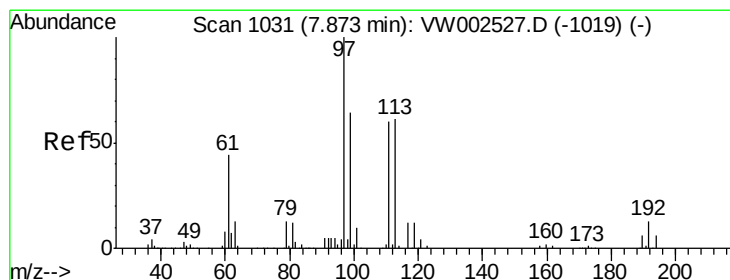
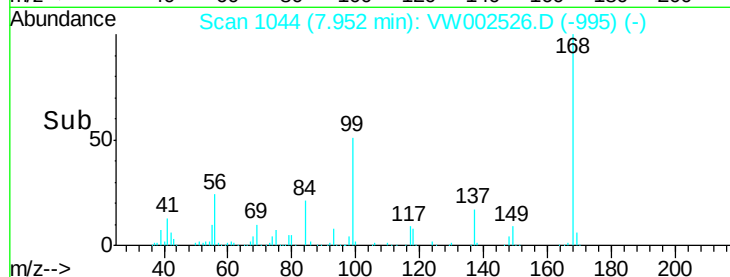
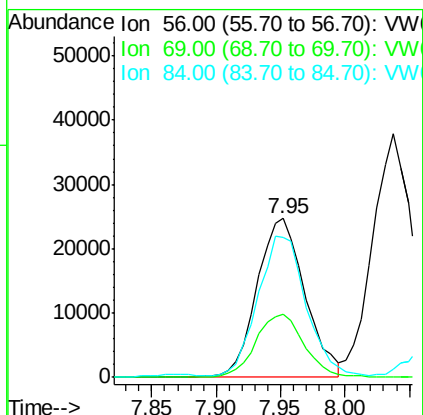
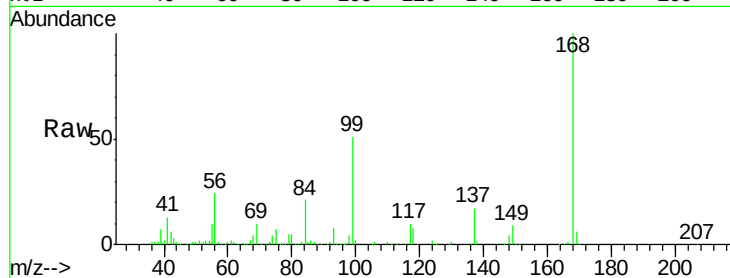




#31
Cyclohexane
Concen: 17.84 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

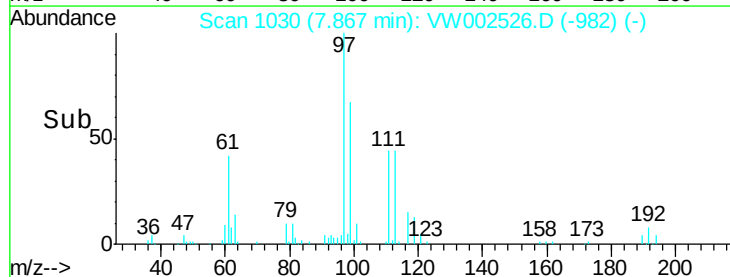
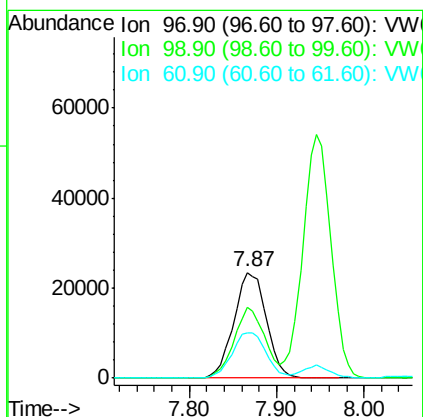
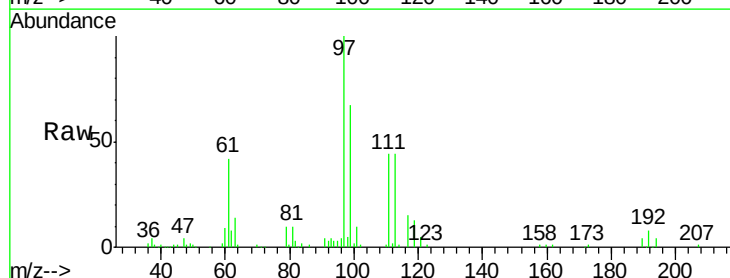
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

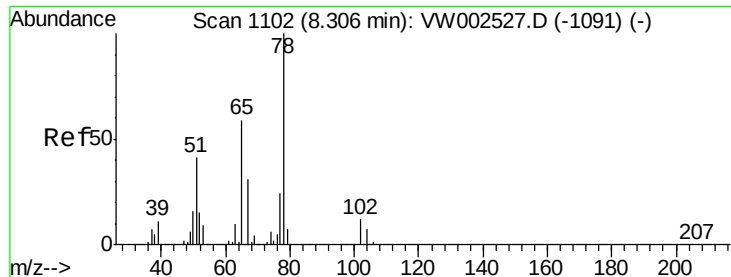
Tgt Ion: 56 Resp: 63905
Ion Ratio Lower Upper
56 100
69 40.1 27.0 40.4
84 86.2 72.2 108.2



#32
1,1,1-Trichloroethane
Concen: 19.03 ug/l
RT: 7.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Tgt Ion: 97 Resp: 60630
Ion Ratio Lower Upper
97 100
99 63.5 51.1 76.7
61 45.1 35.9 53.9

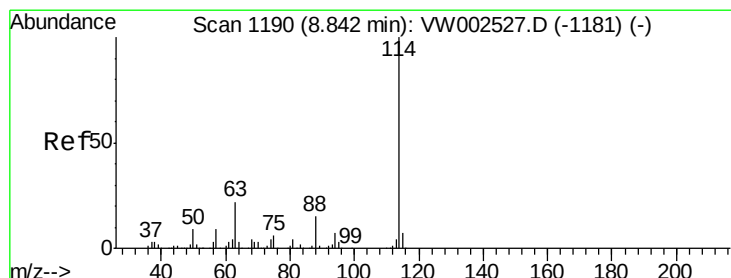
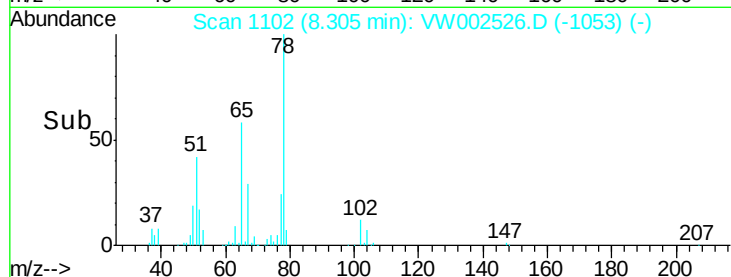
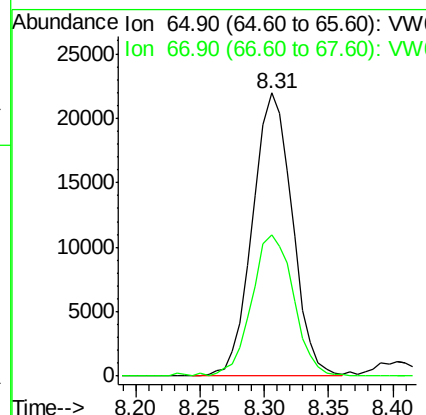
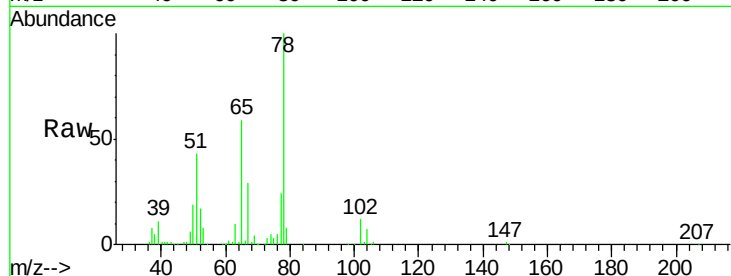




#33
 1,2-Dichloroethane-d4
 Concen: 19.27 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

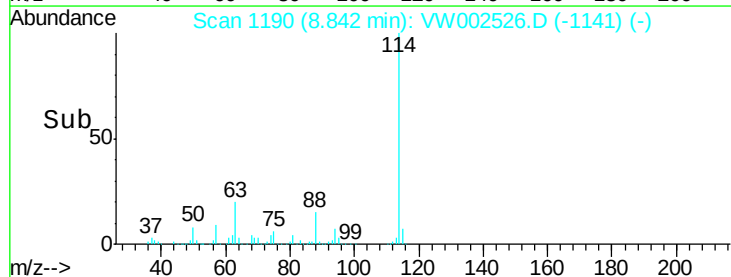
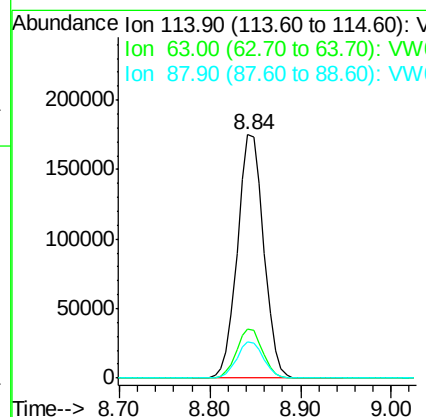
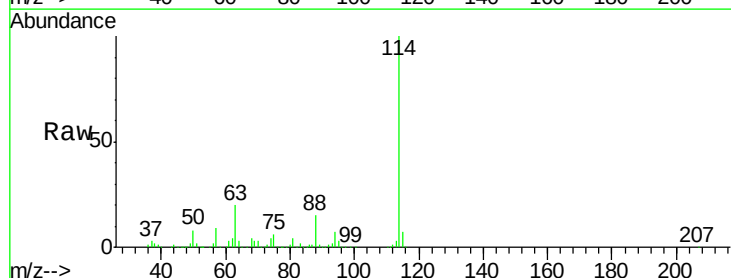
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

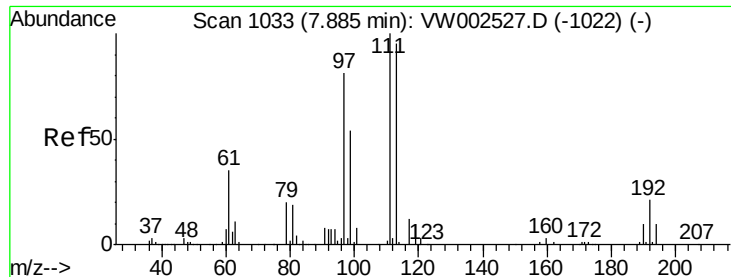
Tgt Ion: 65 Resp: 46808
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion: 114 Resp: 350554
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 43.2
 88 15.1 0.0 29.2

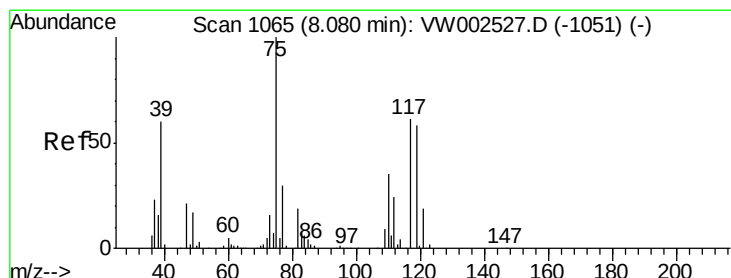
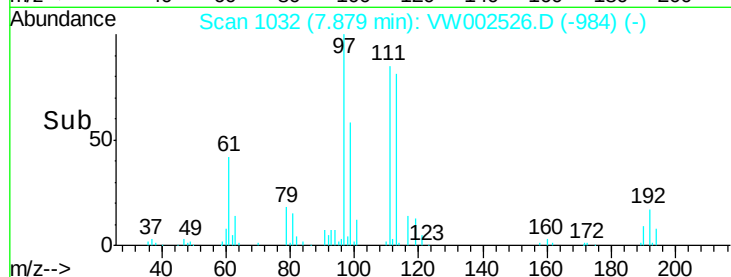
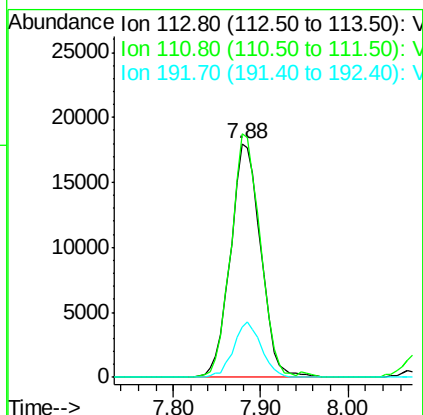
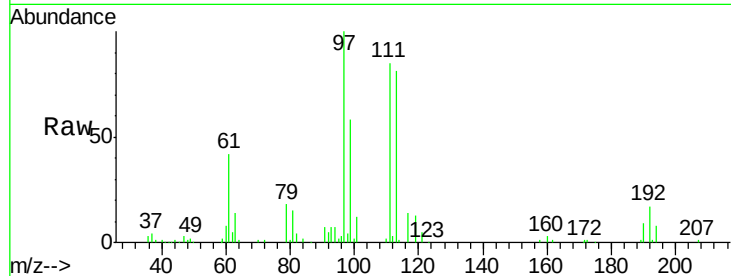




#35
Dibromofluoromethane
Concen: 19.43 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

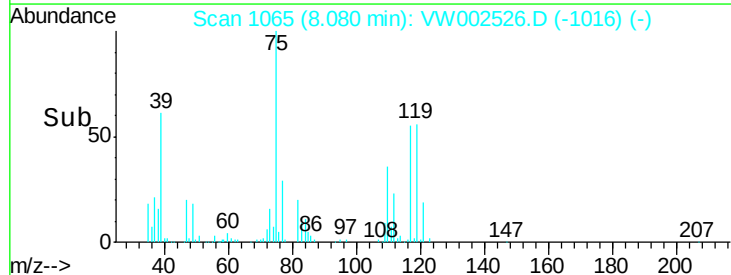
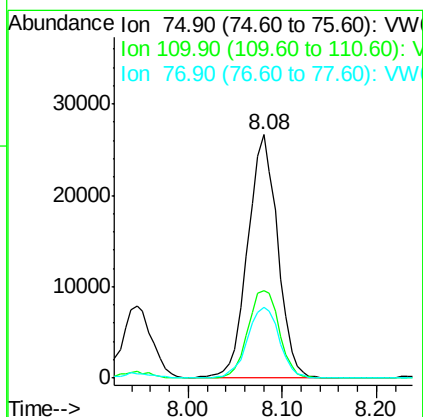
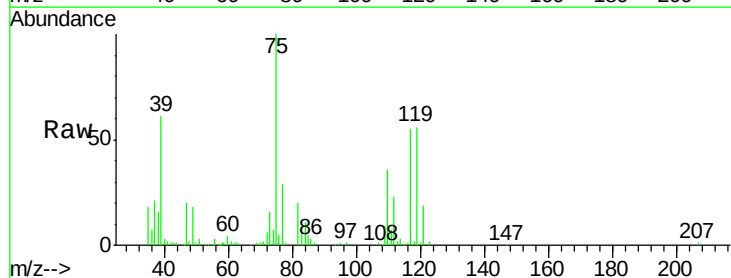
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

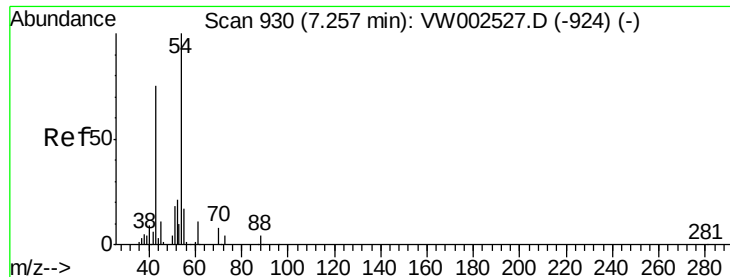
Tgt Ion: 113 Resp: 43362
Ion Ratio Lower Upper
113 100
111 100.4 81.8 122.8
192 21.8 17.5 26.3



#36
1,1-Dichloropropene
Concen: 18.71 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Tgt Ion: 75 Resp: 59148
Ion Ratio Lower Upper
75 100
110 37.6 17.8 53.5
77 31.1 24.5 36.7

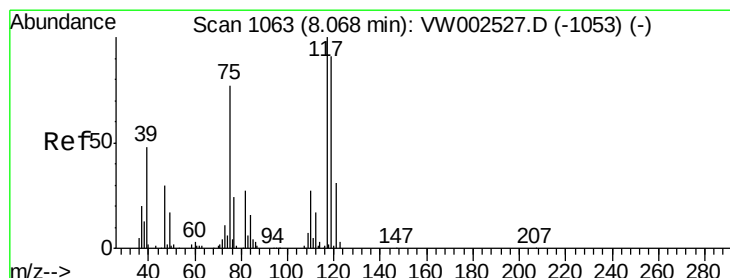
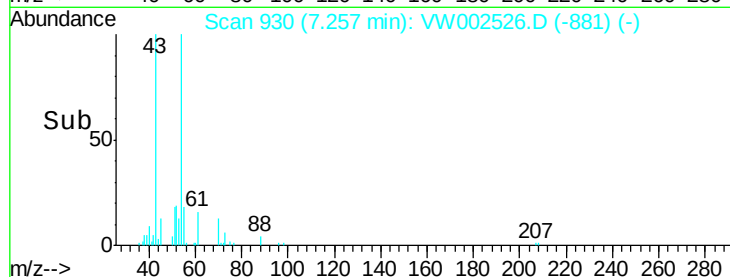
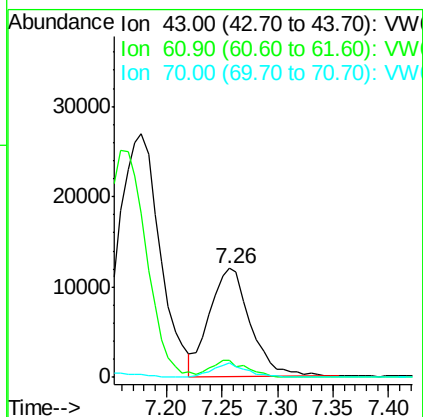
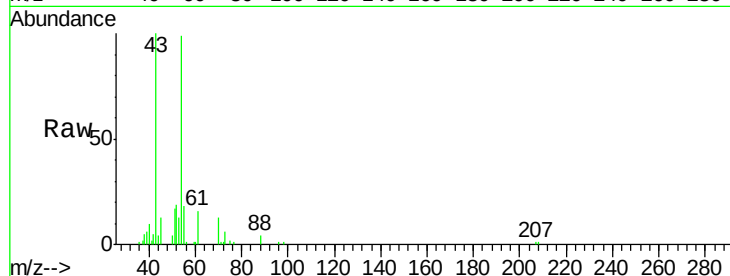




#37
 Ethyl Acetate
 Concen: 19.72 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

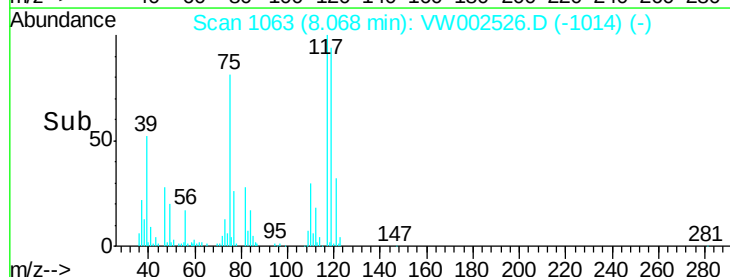
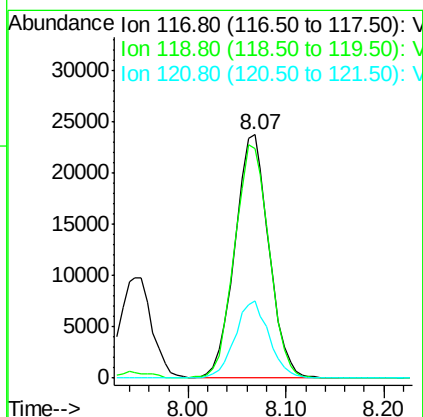
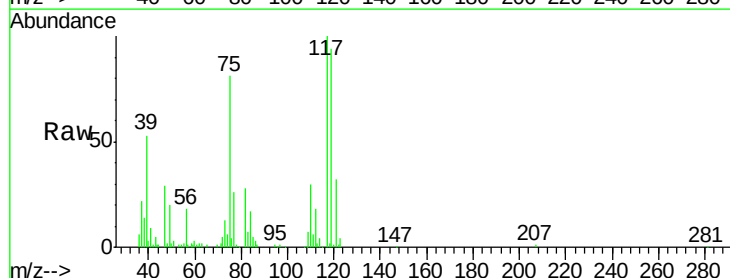
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

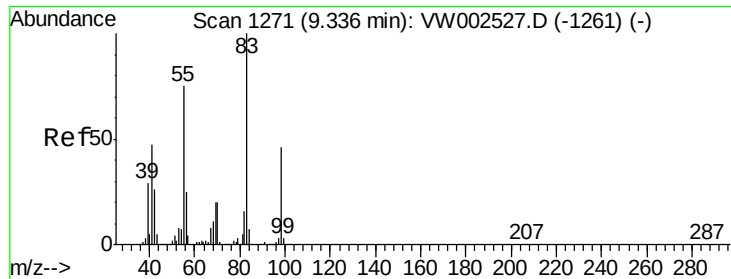
Tgt Ion: 43 Resp: 30661
 Ion Ratio Lower Upper
 43 100
 61 14.3 11.1 16.7
 70 10.9 7.8 11.8



#38
 Carbon Tetrachloride
 Concen: 18.71 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion: 117 Resp: 57407
 Ion Ratio Lower Upper
 117 100
 119 94.3 73.1 109.7
 121 31.6 24.4 36.6

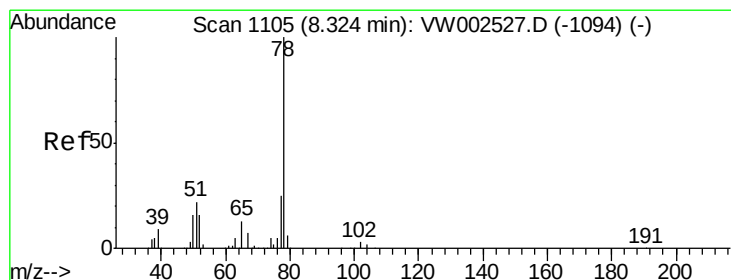
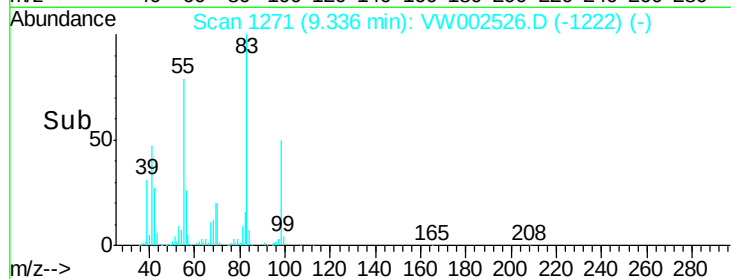
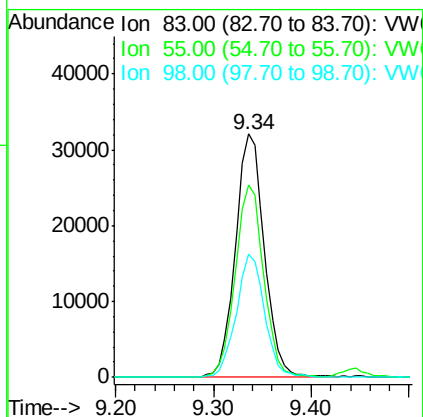
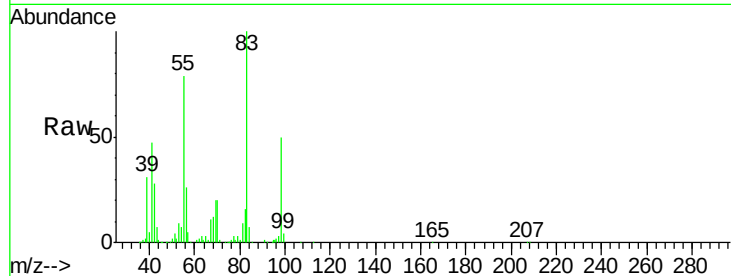




#39
Methylcyclohexane
Concen: 17.91 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

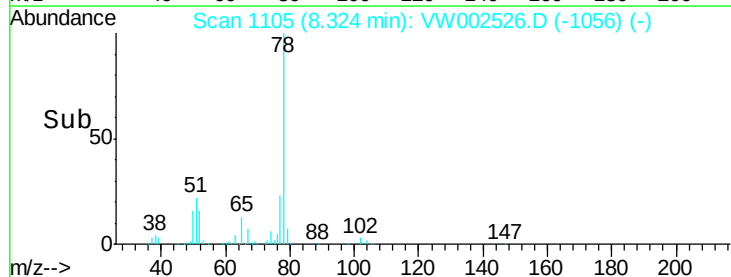
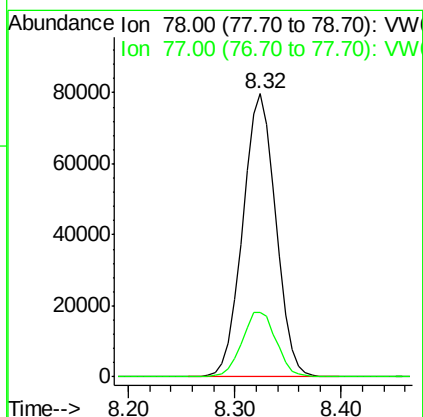
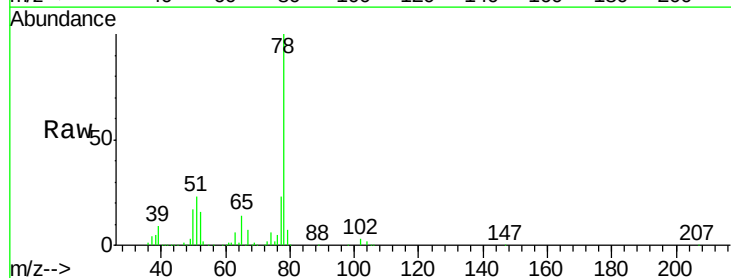
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

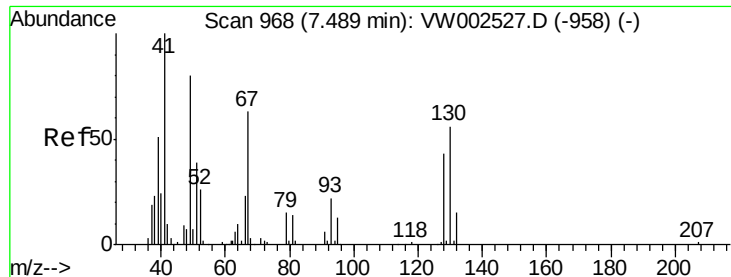
Tgt Ion: 83 Resp: 65886
Ion Ratio Lower Upper
83 100
55 79.0 60.0 90.0
98 50.4 37.0 55.4



#40
Benzene
Concen: 18.92 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Tgt Ion: 78 Resp: 174044
Ion Ratio Lower Upper
78 100
77 23.0 19.9 29.9

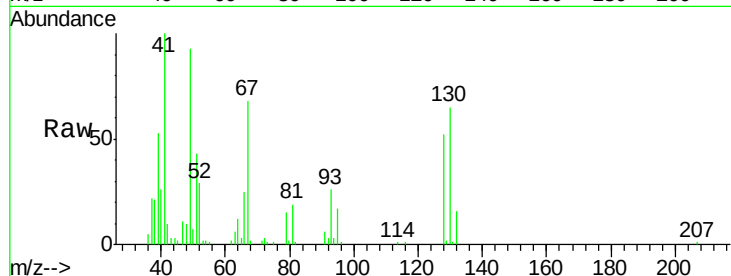




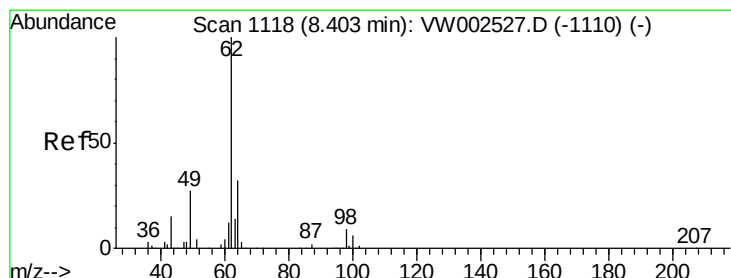
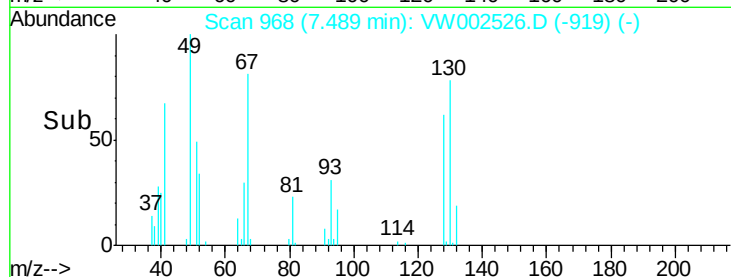
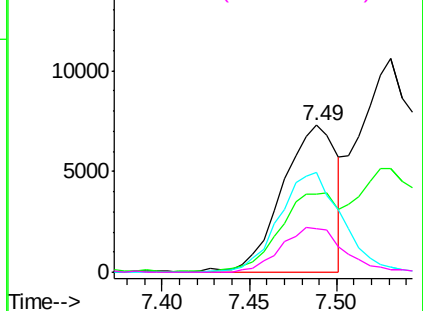
#41
Methacrylonitrile
Concen: 18.14 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	15842
Ion	Ratio	Lower	Upper
41	100		
39	56.8	51.8	77.8
67	78.9	59.9	89.9
52	35.4	26.6	39.8

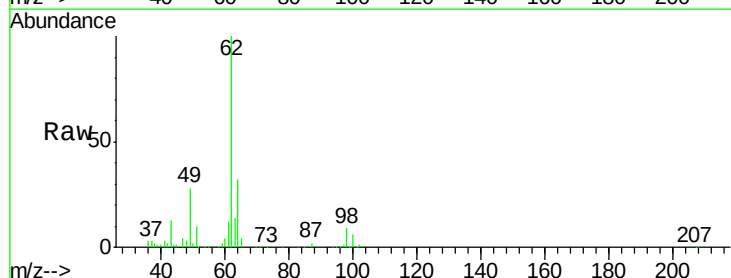


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

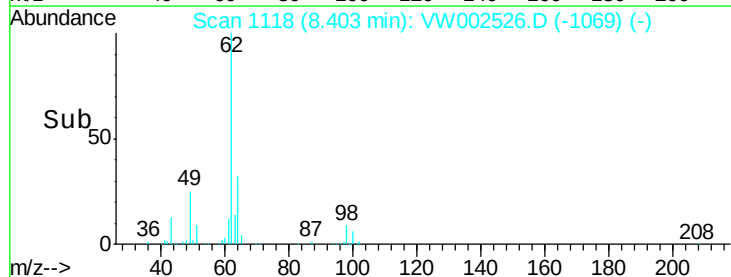
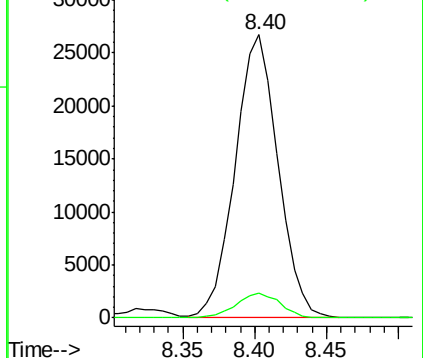


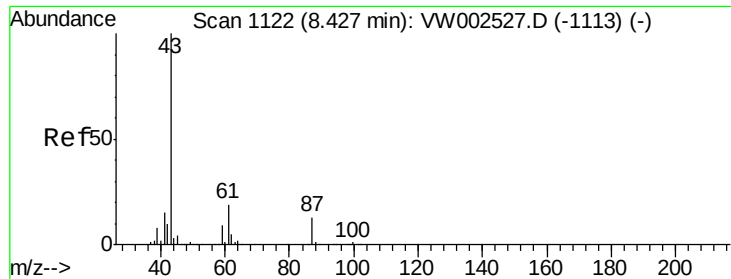
#42
1,2-Dichloroethane
Concen: 19.21 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Tgt Ion:	62	Resp:	55432
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 19.38 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

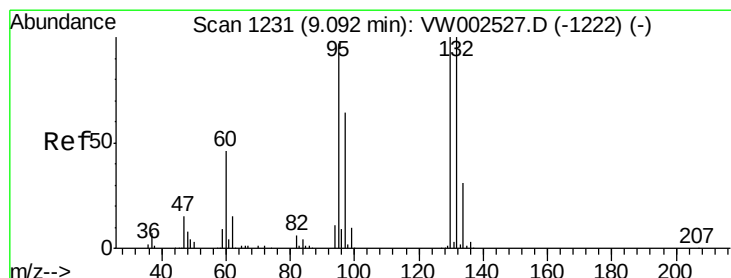
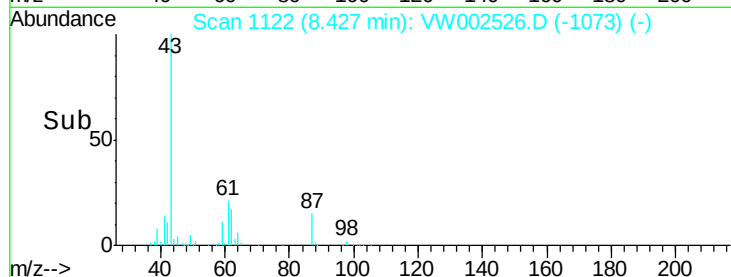
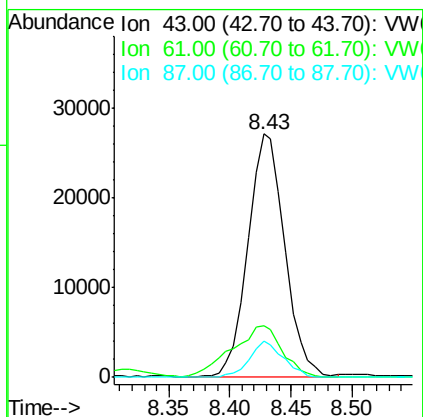
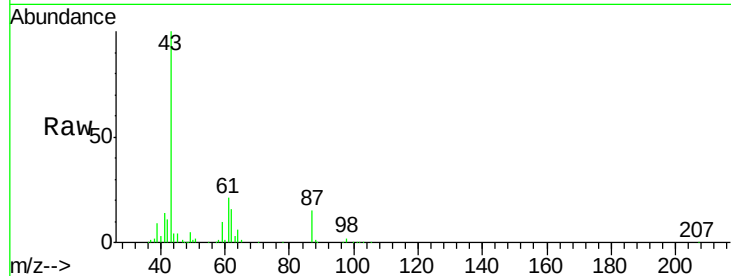
Tgt Ion: 43 Resp: 57167

Ion Ratio Lower Upper

43 100

61 28.9 23.0 34.6

87 13.6 10.6 15.8



#44

Trichloroethene

Concen: 19.02 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002526.D

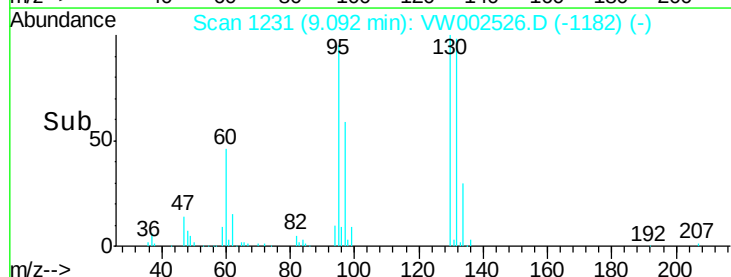
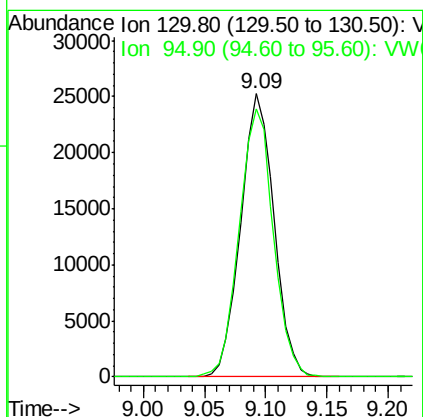
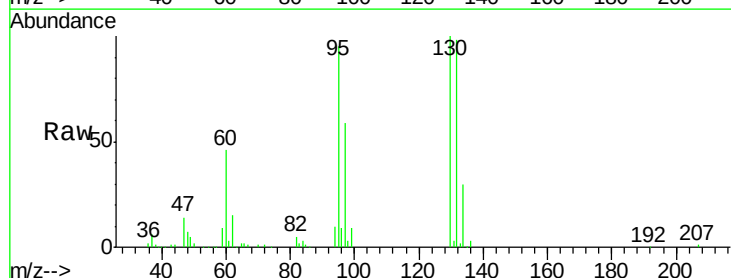
Acq: 14 May 2018 21:41

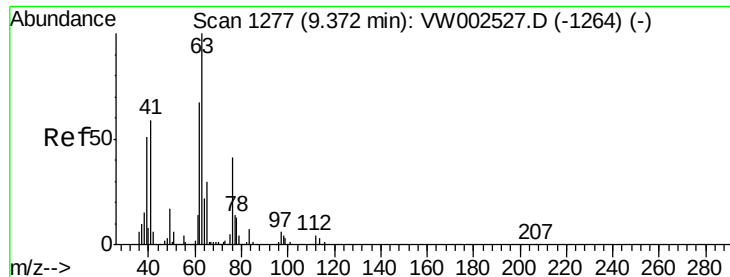
Tgt Ion: 130 Resp: 47821

Ion Ratio Lower Upper

130 100

95 94.6 0.0 194.6

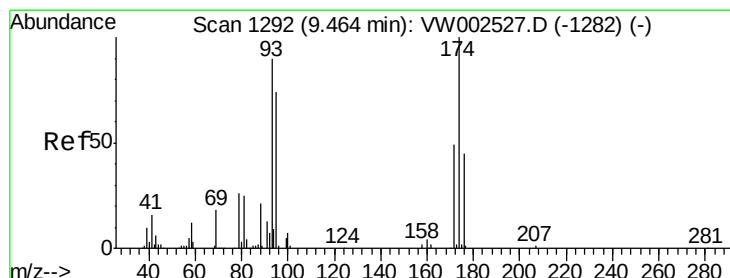
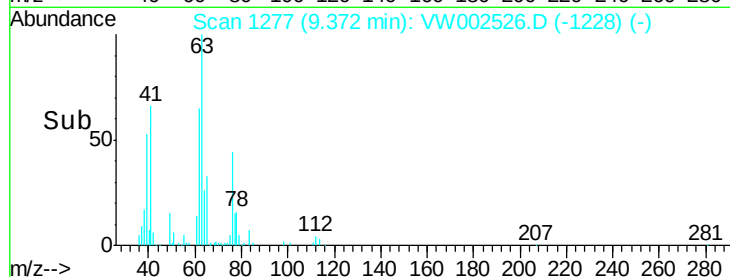
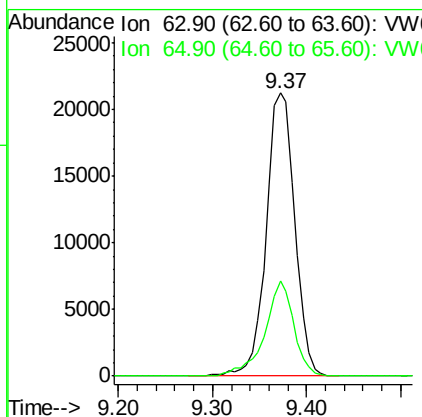
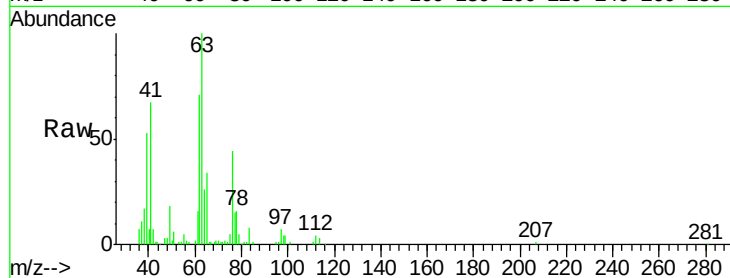




#45
 1,2-Dichloropropane
 Concen: 19.47 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

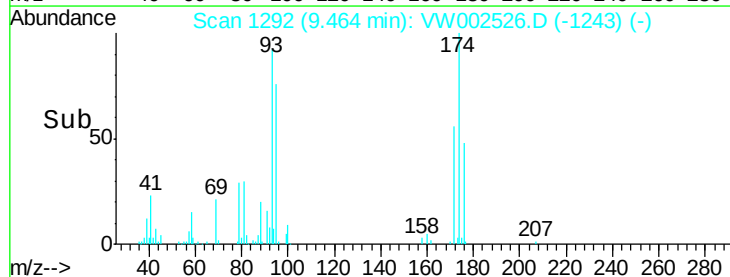
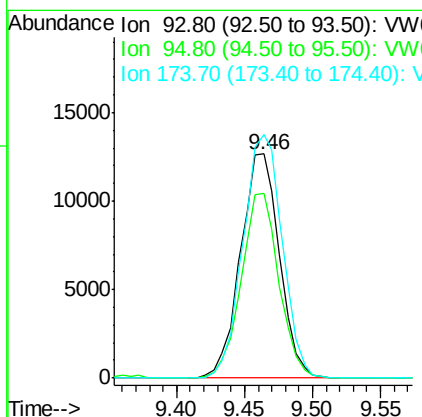
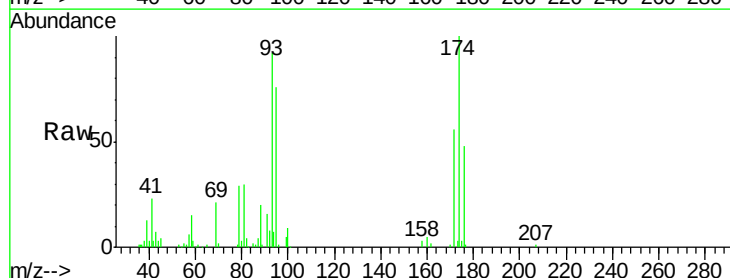
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

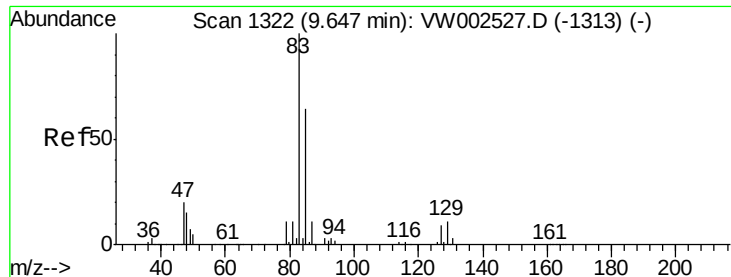
Tgt Ion: 63 Resp: 45094
 Ion Ratio Lower Upper
 63 100
 65 33.8 24.4 36.6



#46
 Dibromomethane
 Concen: 19.54 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion: 93 Resp: 25374
 Ion Ratio Lower Upper
 93 100
 95 79.6 66.6 100.0
 174 109.8 84.0 126.0





#47

Bromodichloromethane

Concen: 19.00 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

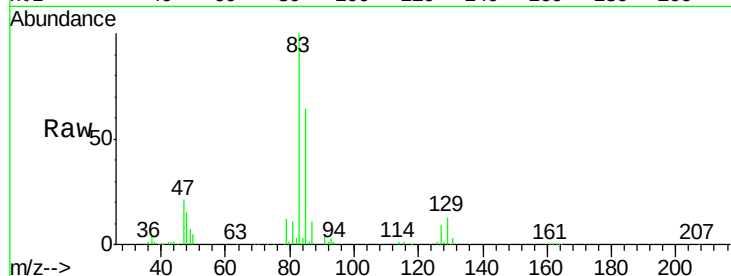
Tgt Ion: 83 Resp: 58102

Ion Ratio Lower Upper

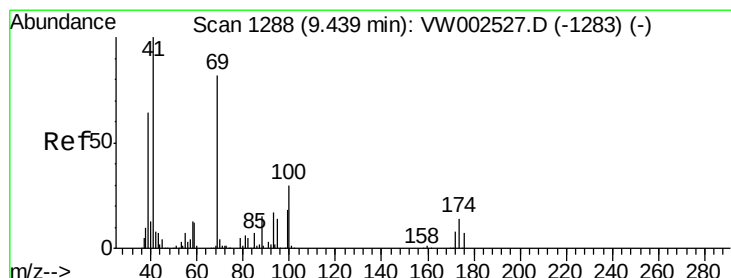
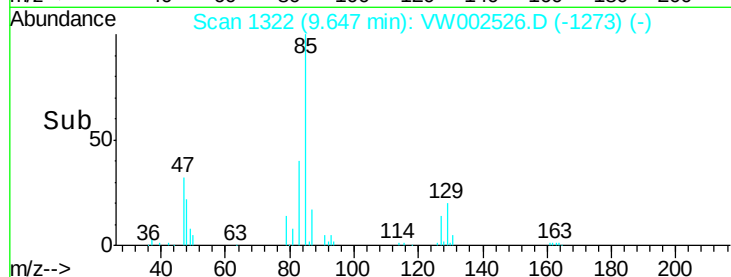
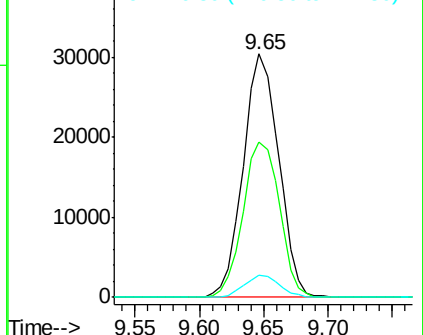
83 100

85 63.9 51.4 77.2

127 8.9 7.0 10.4



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



#48

Methyl methacrylate

Concen: 18.95 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

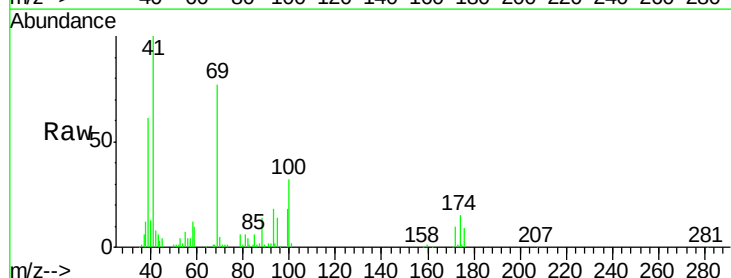
Tgt Ion: 41 Resp: 27097

Ion Ratio Lower Upper

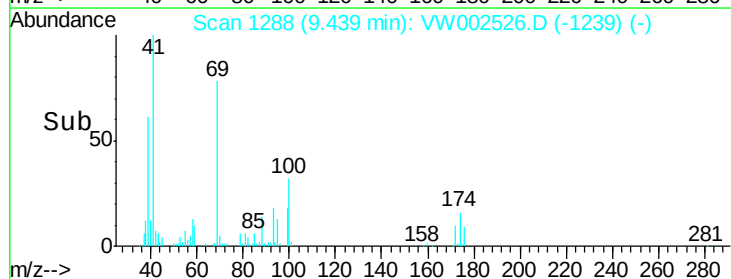
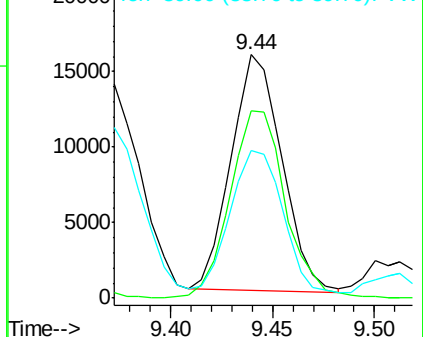
41 100

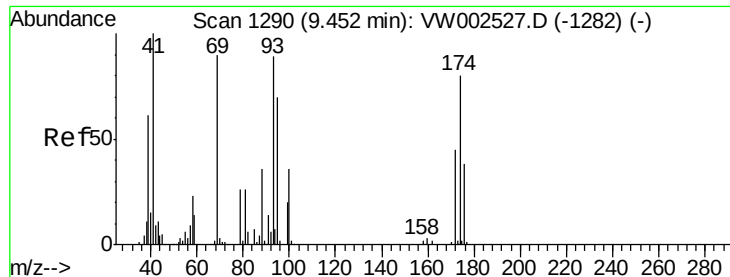
69 86.6 69.7 104.5

39 66.7 55.0 82.4



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: 385.47 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

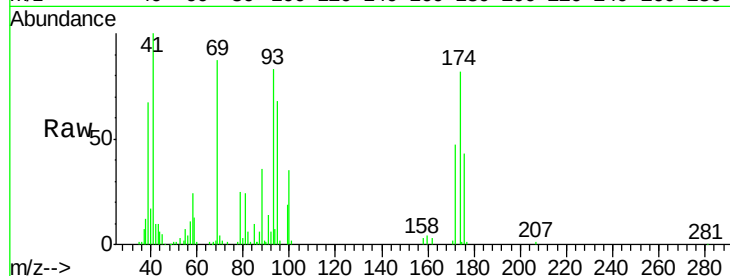
Tgt Ion: 88 Resp: 8076

Ion Ratio Lower Upper

88 100

43 36.7 27.0 40.4

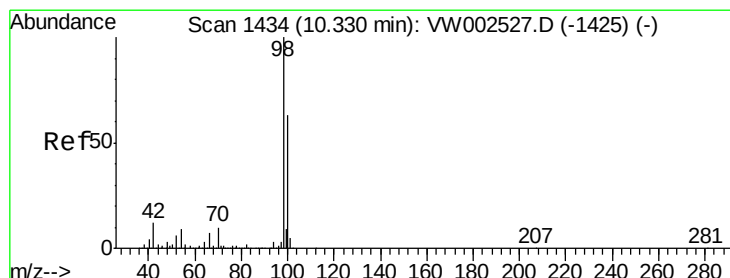
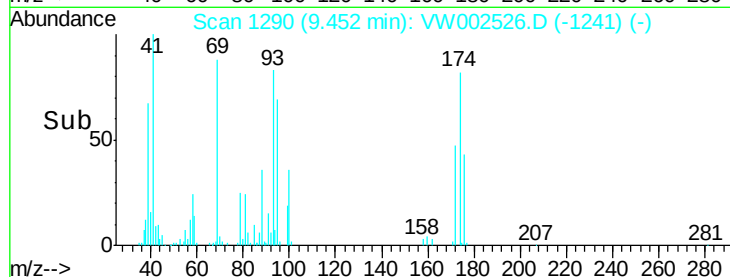
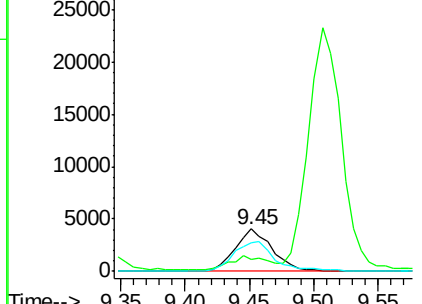
58 78.0 56.9 85.3



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: 19.20 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002526.D

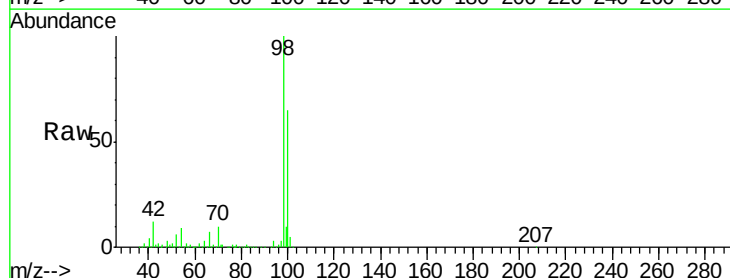
Acq: 14 May 2018 21:41

Tgt Ion: 98 Resp: 163837

Ion Ratio Lower Upper

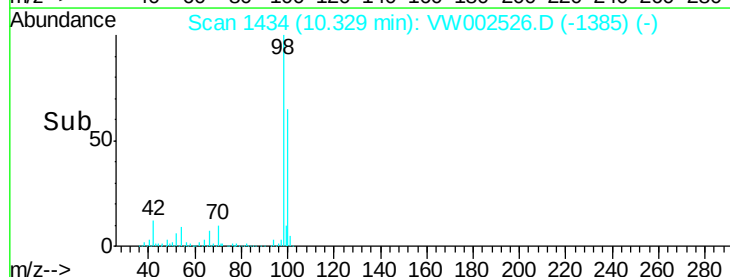
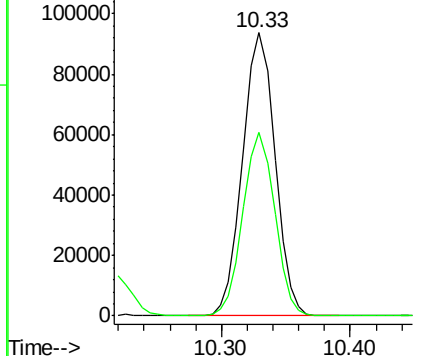
98 100

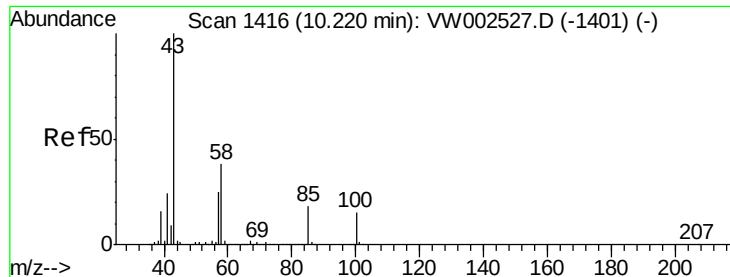
100 63.5 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

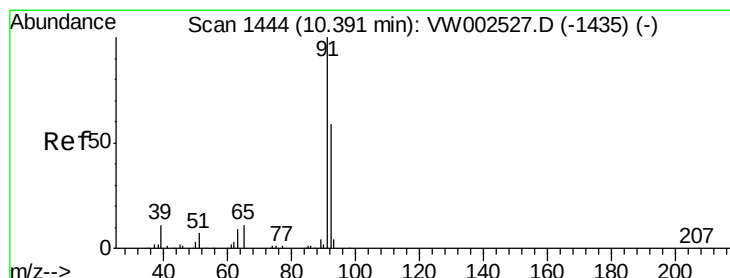
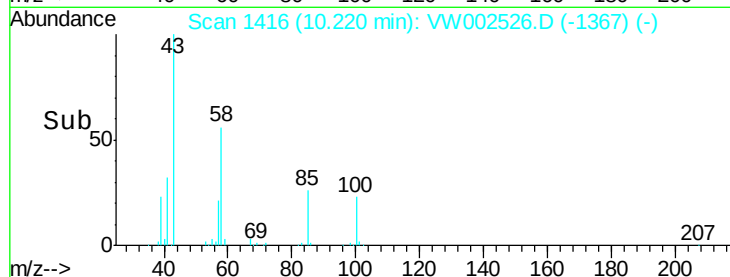
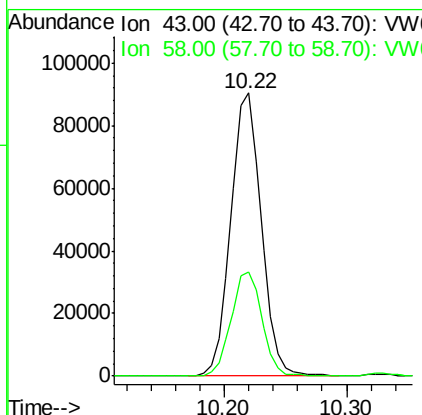
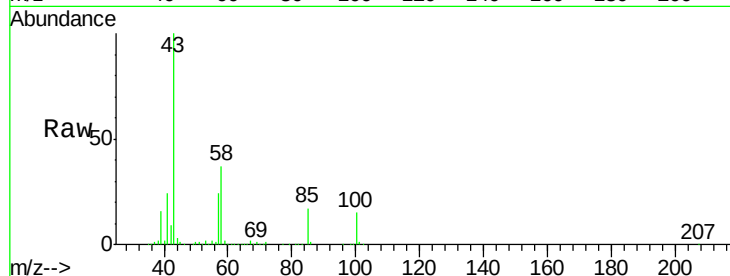




#51
 4-Methyl-2-Pentanone
 Concen: 95.07 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

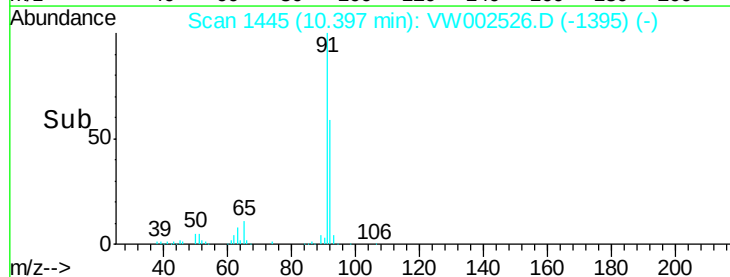
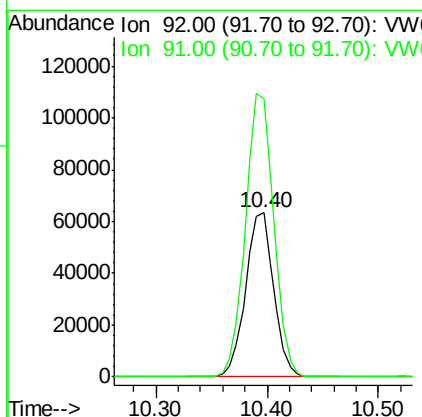
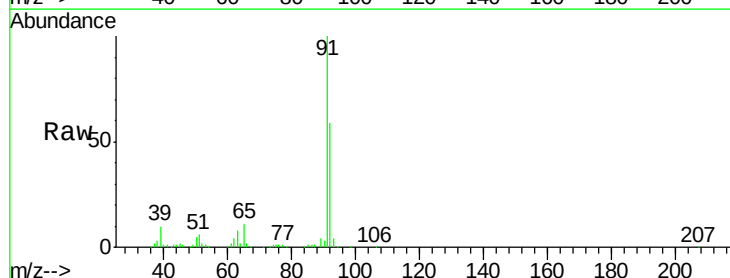
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

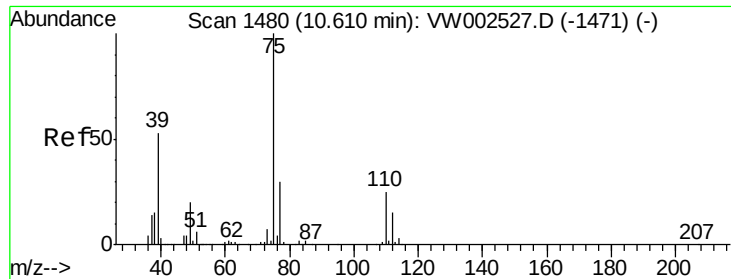
Tgt Ion: 43 Resp: 155348
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.1 45.1



#52
 Toluene
 Concen: 18.96 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion: 92 Resp: 110762
 Ion Ratio Lower Upper
 92 100
 91 175.4 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 19.46 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

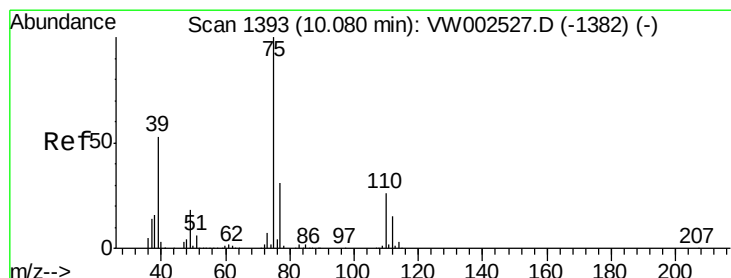
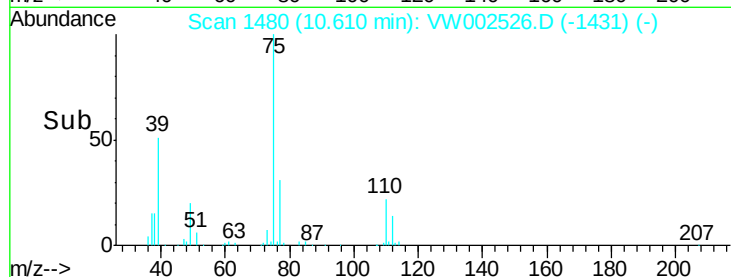
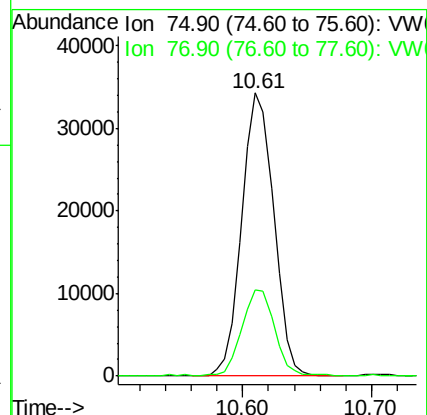
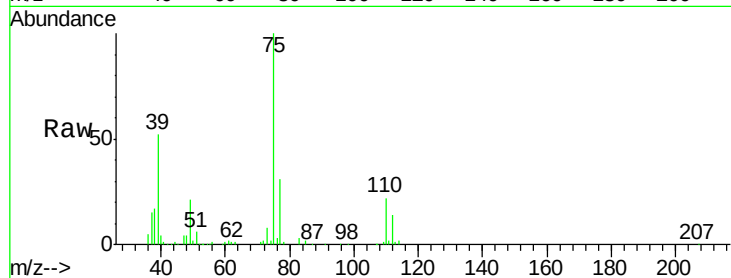
VSTDIC020

Tgt Ion: 75 Resp: 58991

Ion Ratio Lower Upper

75 100

77 30.5 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 19.10 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

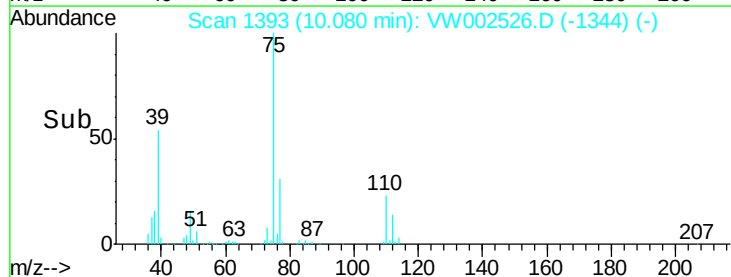
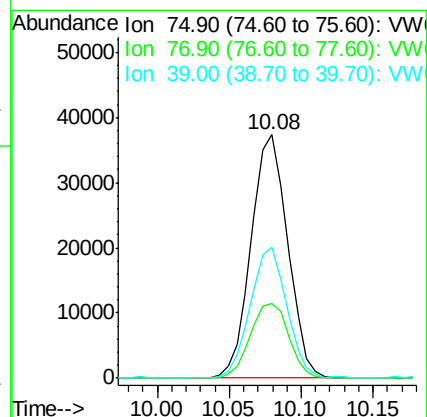
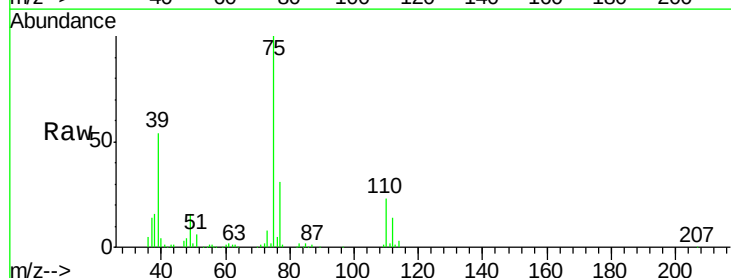
Tgt Ion: 75 Resp: 65773

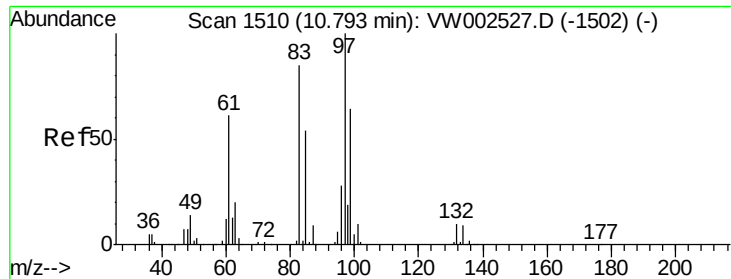
Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4

39 53.9 42.5 63.7

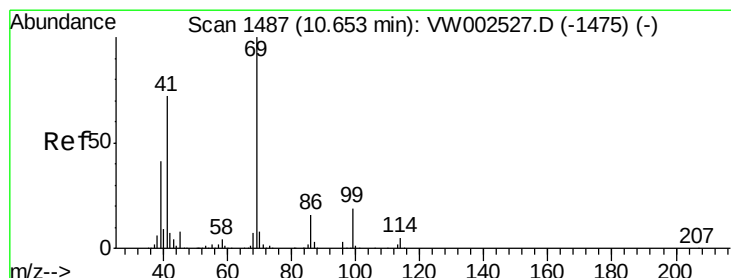
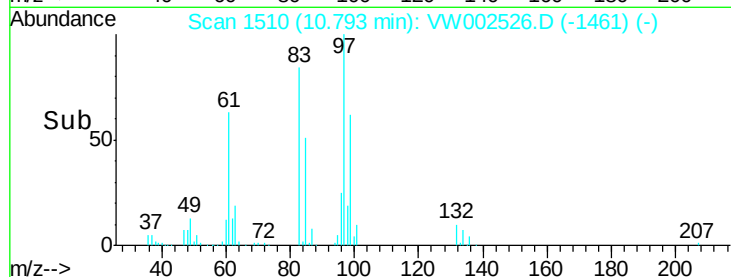
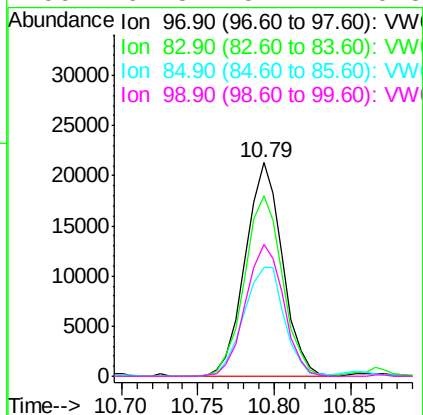
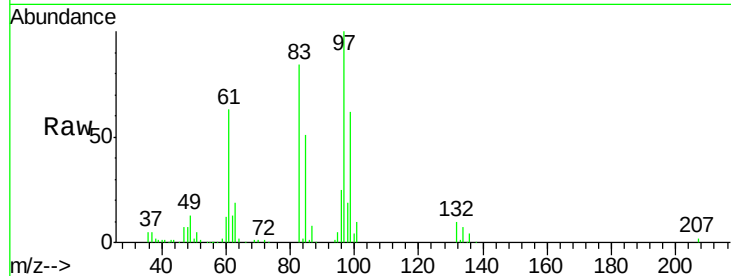




#55
 1,1,2-Trichloroethane
 Concen: 19.71 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

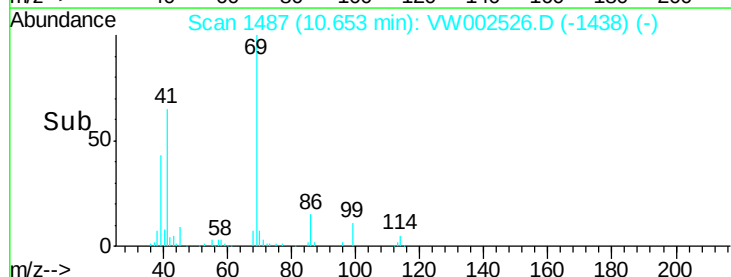
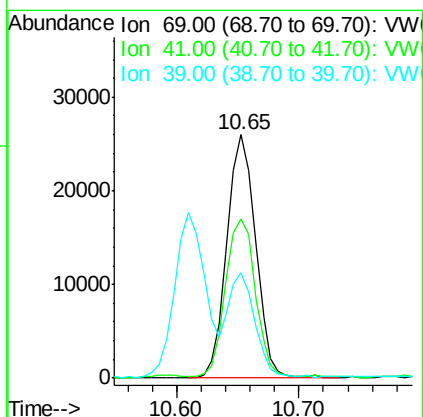
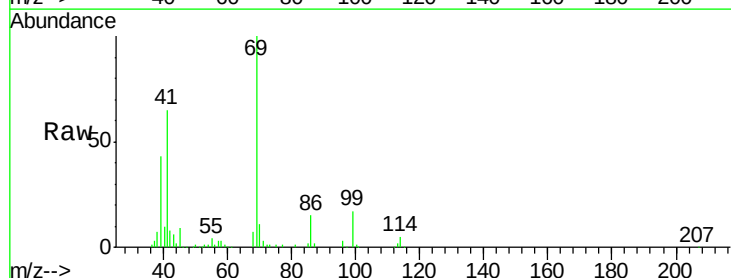
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

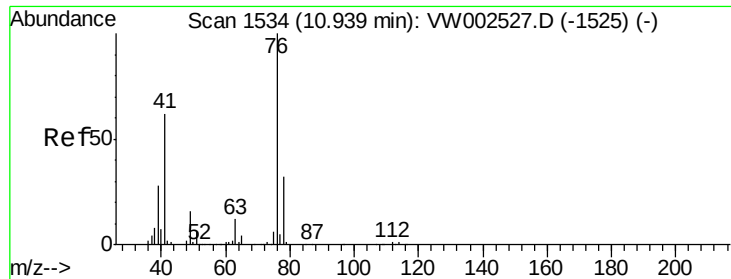
Tgt Ion:	97	Resp:	36077
Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.1	102.1
85	51.0	43.6	65.4
99	61.8	51.2	76.8



#56
 Ethyl methacrylate
 Concen: 18.75 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion:	69	Resp:	42485
Ion	Ratio	Lower	Upper
69	100		
41	65.4	55.3	82.9
39	39.9	33.0	49.6

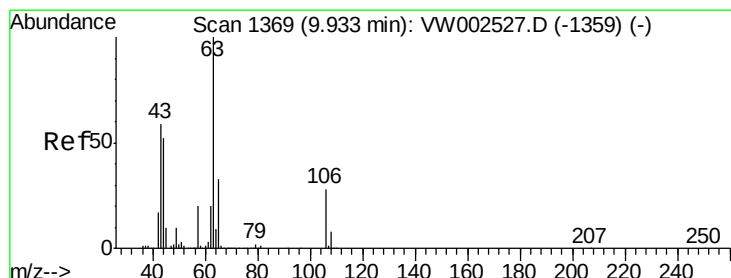
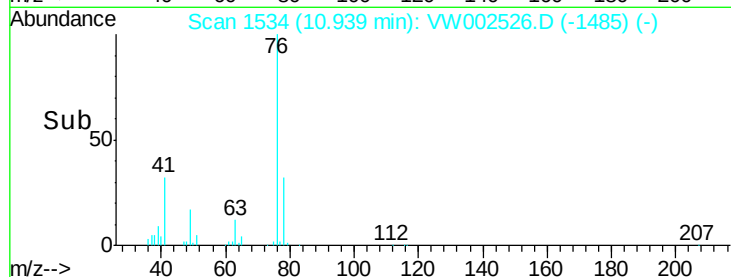
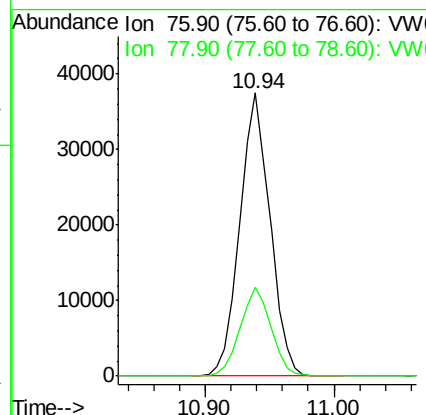
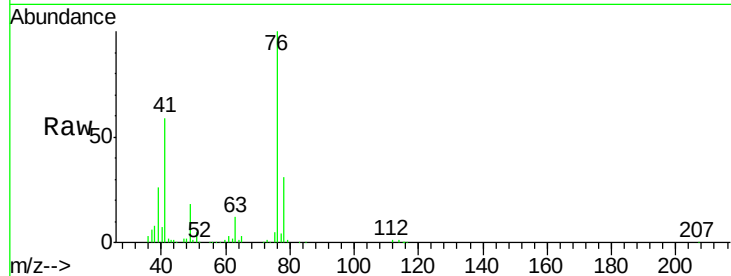




#57
 1,3-Dichloropropane
 Concen: 19.59 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

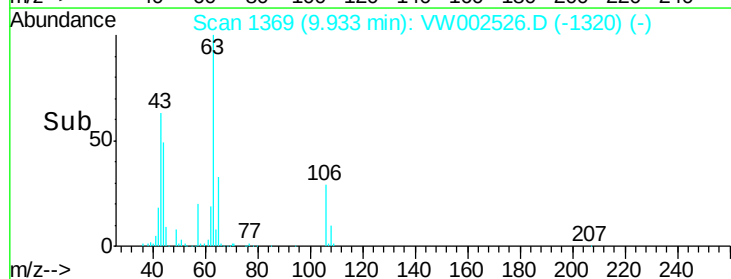
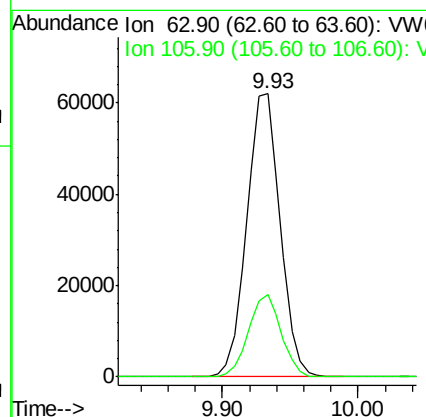
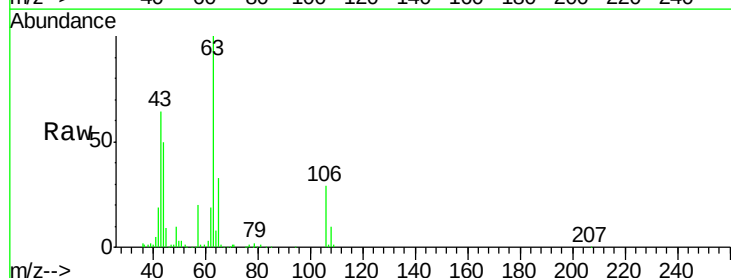
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

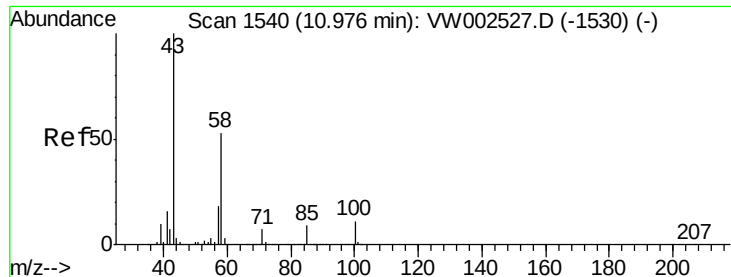
Tgt Ion: 76 Resp: 60847
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.75 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion: 63 Resp: 106564
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.9 34.3

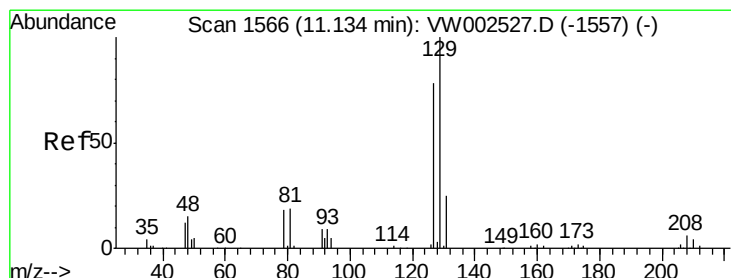
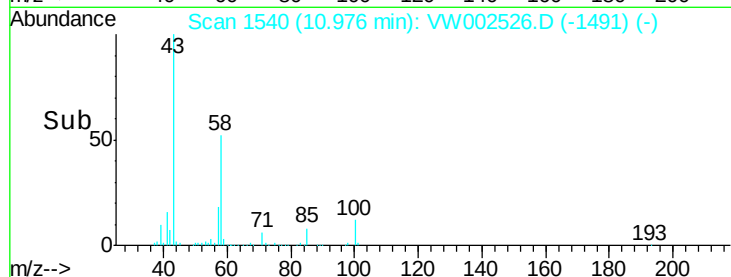
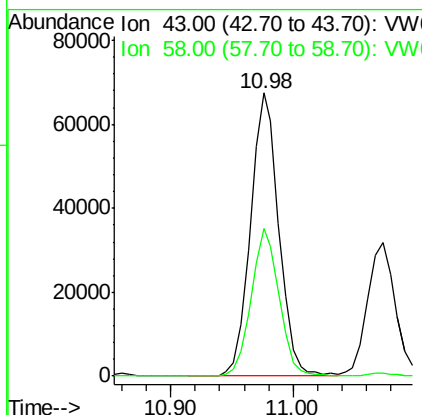
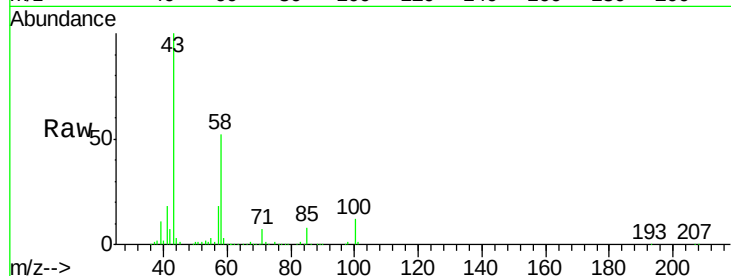




#59
2-Hexanone
Concen: 97.19 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

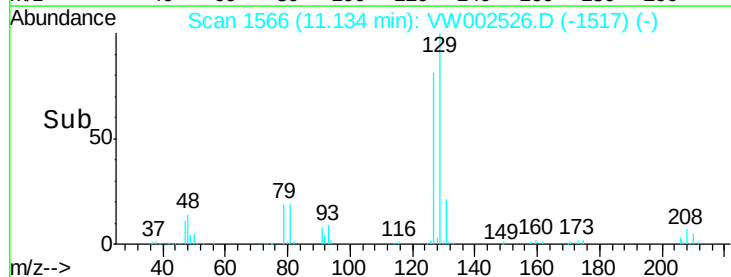
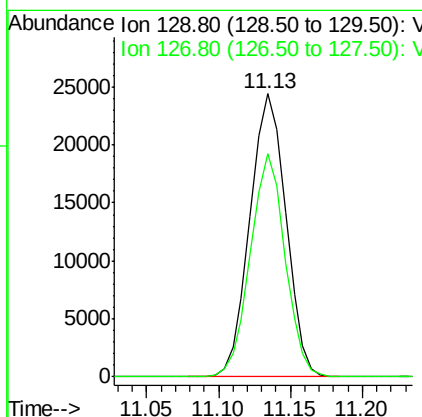
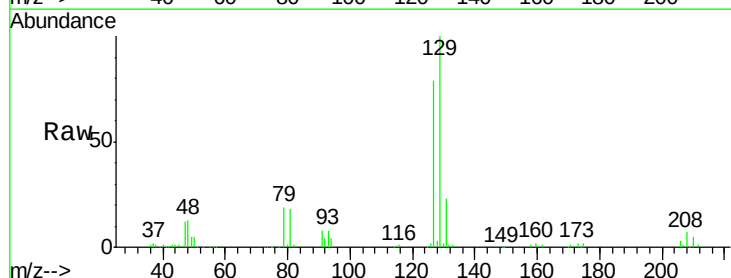
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

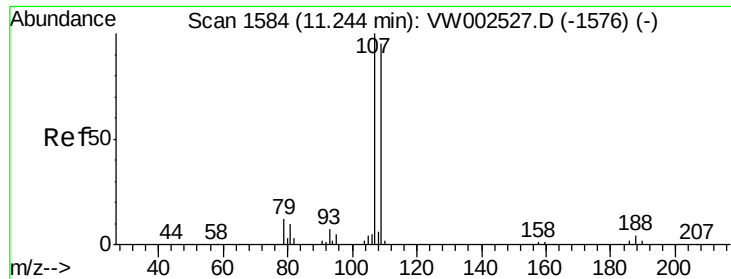
Tgt Ion: 43 Resp: 108822
Ion Ratio Lower Upper
43 100
58 51.3 26.3 78.8



#60
Dibromochloromethane
Concen: 19.53 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Tgt Ion: 129 Resp: 42242
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.7

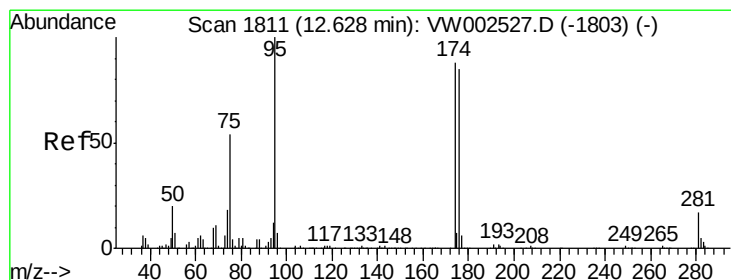
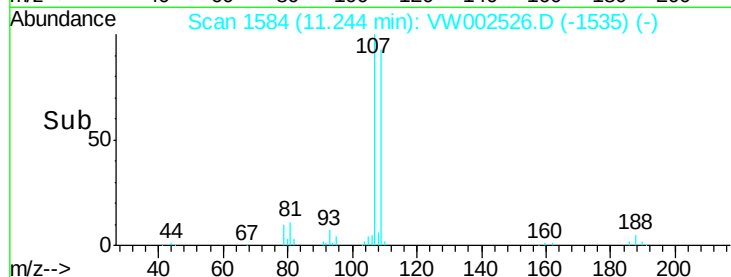
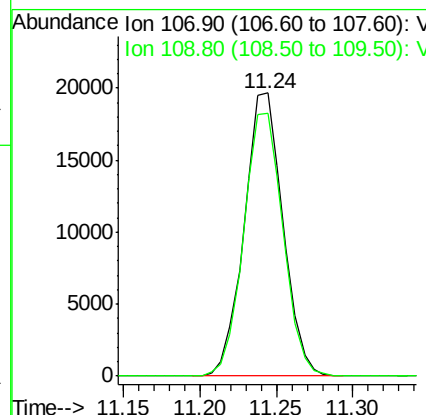
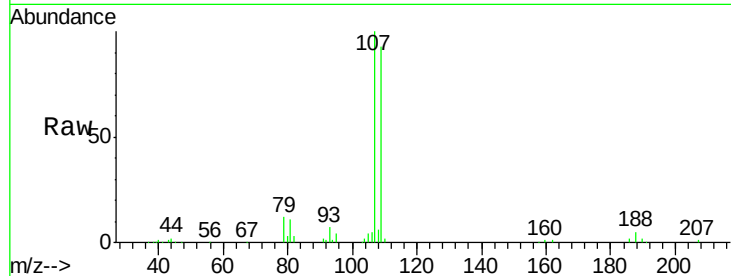




#61
 1,2-Dibromoethane
 Concen: 19.39 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

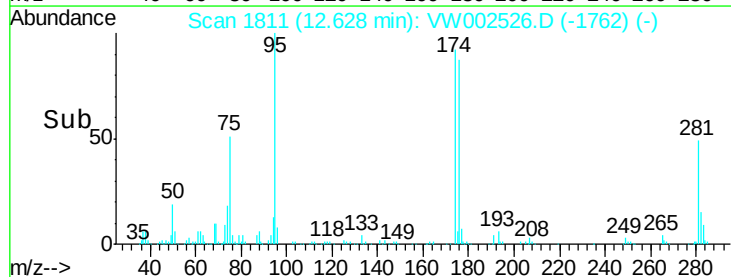
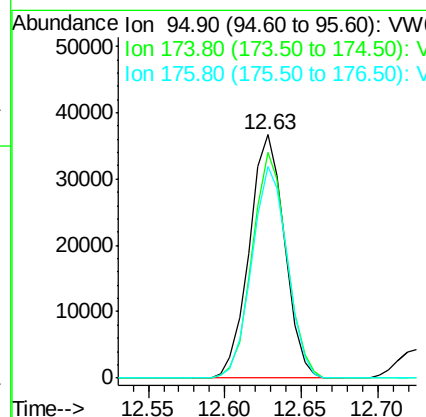
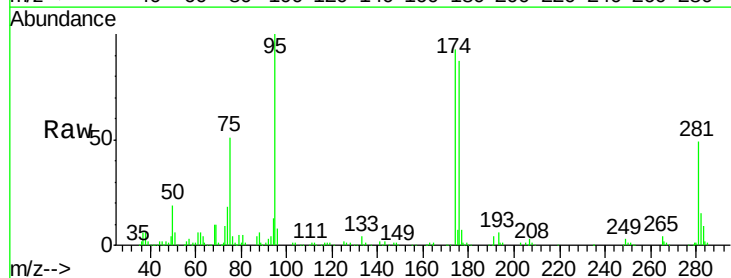
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

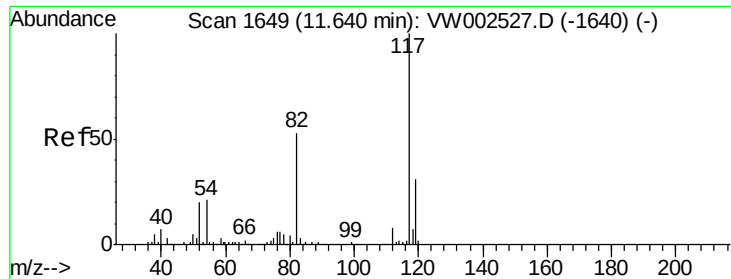
Tgt Ion: 107 Resp: 34581
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 19.07 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion: 95 Resp: 58839
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 176.6
 176 87.3 0.0 172.2

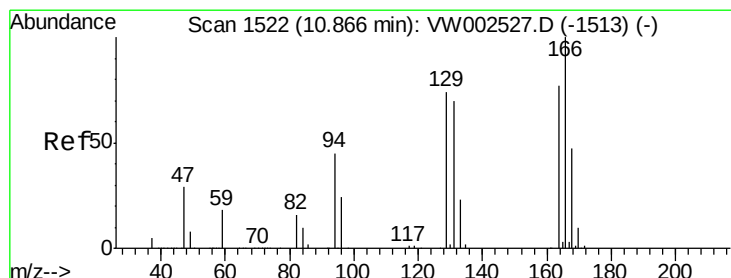
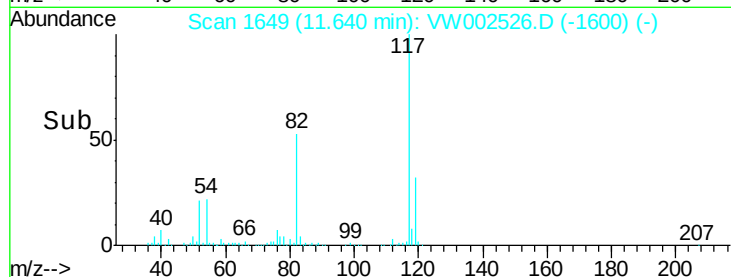
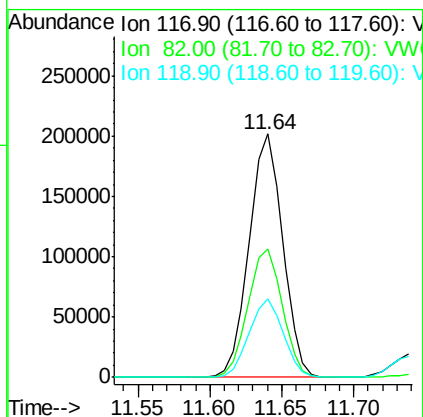
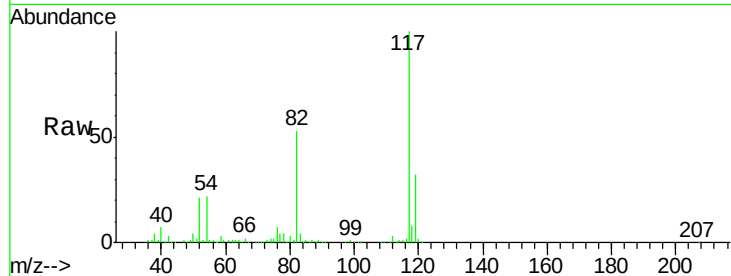




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

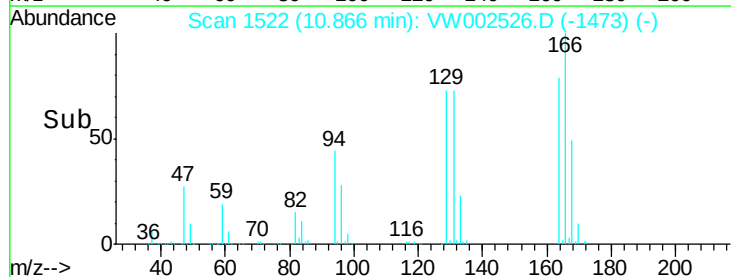
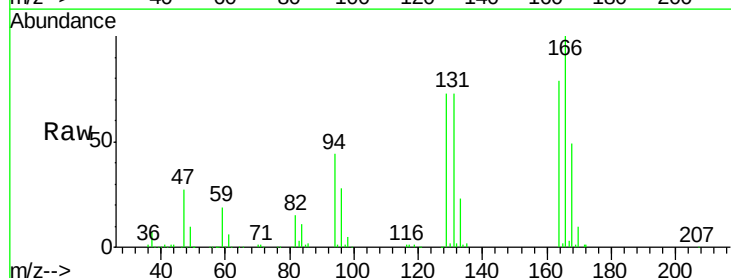
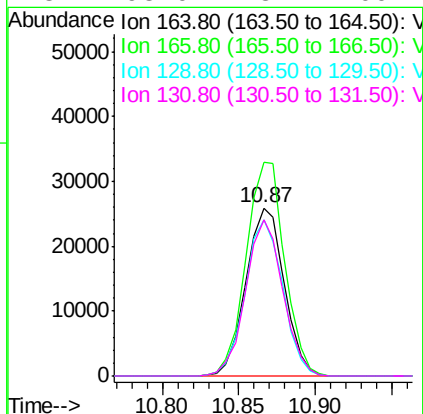
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

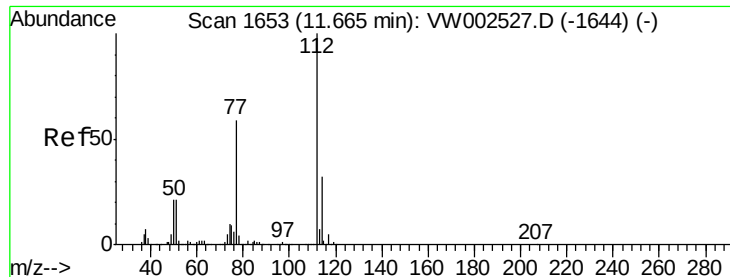
Tgt Ion:117 Resp: 325452
Ion Ratio Lower Upper
117 100
82 53.0 42.6 64.0
119 32.2 25.0 37.6



#64
Tetrachloroethene
Concen: 18.27 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Tgt Ion:164 Resp: 45138
Ion Ratio Lower Upper
164 100
166 127.0 104.2 156.2
129 92.7 77.0 115.4
131 93.0 73.1 109.7





#65

Chlorobenzene

Concen: 19.42 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

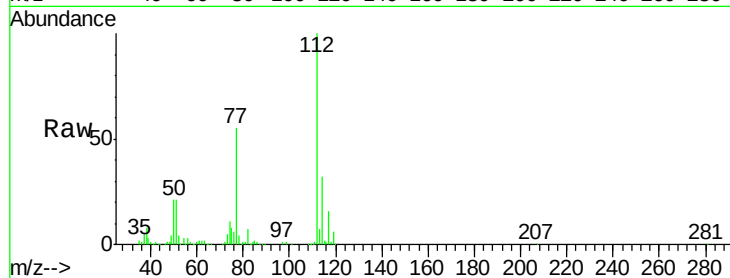
VSTDIC020

Tgt Ion:112 Resp: 128417

Ion Ratio Lower Upper

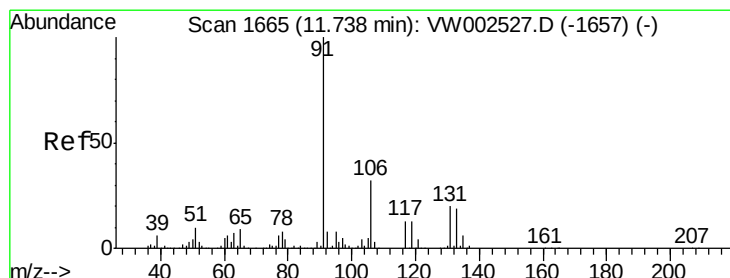
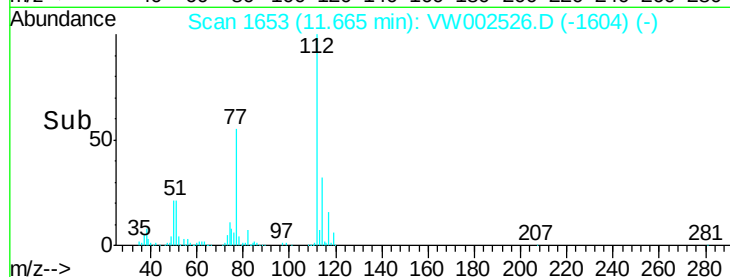
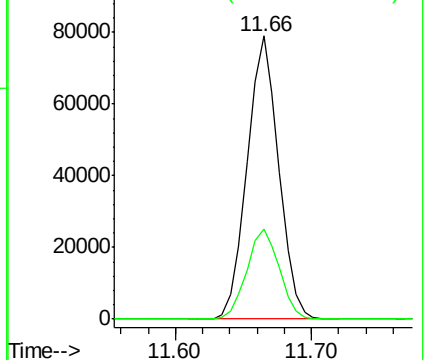
112 100

114 31.8 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.34 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

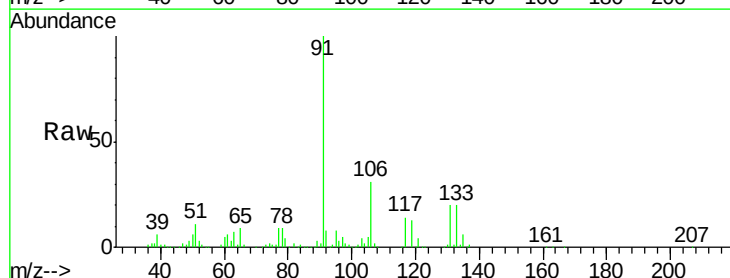
Tgt Ion:131 Resp: 45701

Ion Ratio Lower Upper

131 100

133 95.9 48.4 145.3

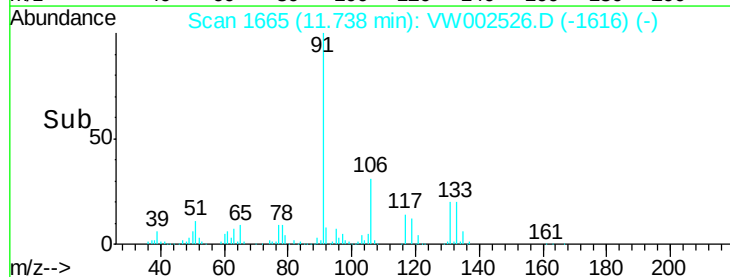
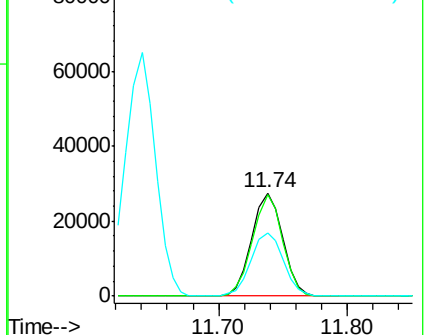
119 64.6 32.2 96.6

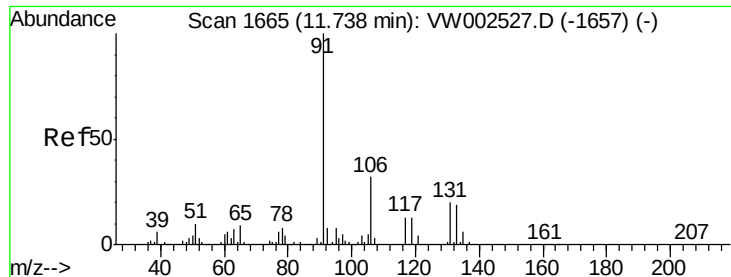


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

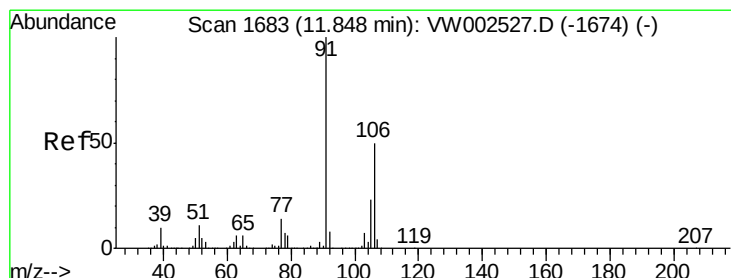
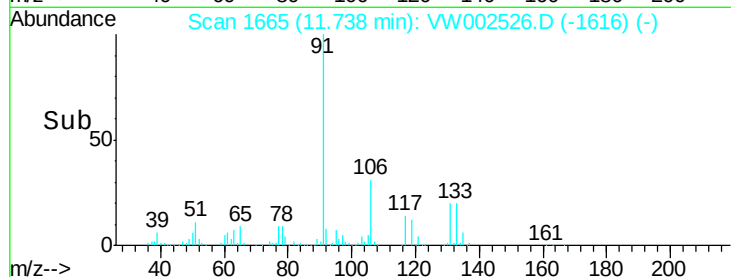
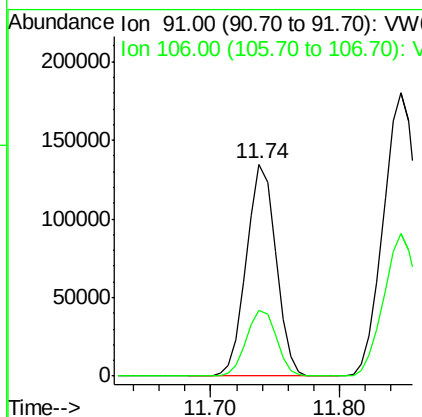
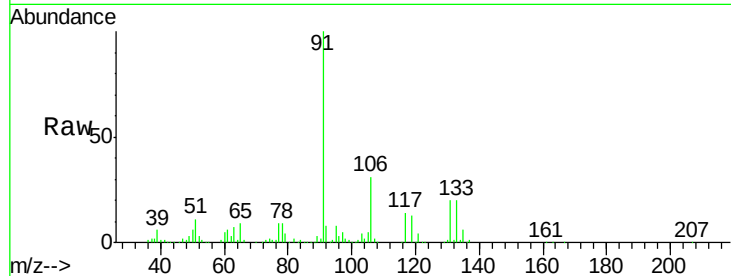




#67
 Ethyl Benzene
 Concen: 18.74 ug/l
 RT: 11.74 min Scan# 1665
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

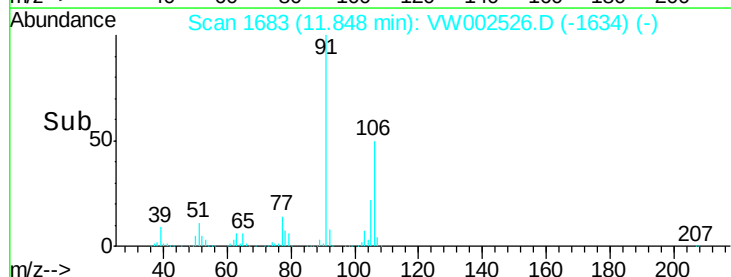
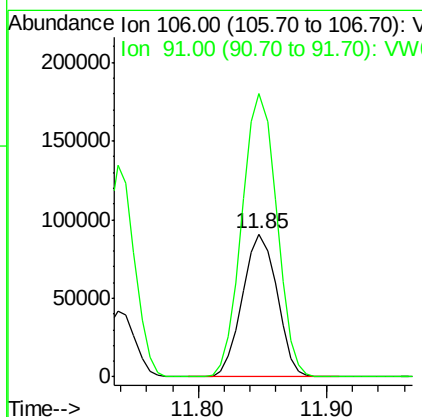
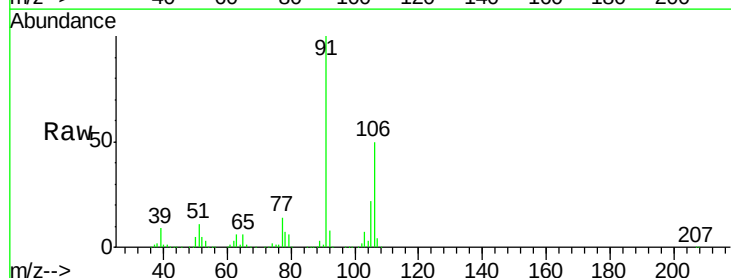
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

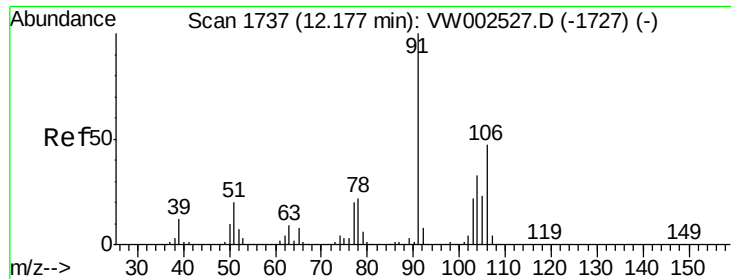
Tgt Ion: 91 Resp: 213520
 Ion Ratio Lower Upper
 91 100
 106 31.1 25.4 38.0



#68
 m/p-Xylenes
 Concen: 38.39 ug/l
 RT: 11.85 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion: 106 Resp: 168643
 Ion Ratio Lower Upper
 106 100
 91 199.6 161.4 242.2

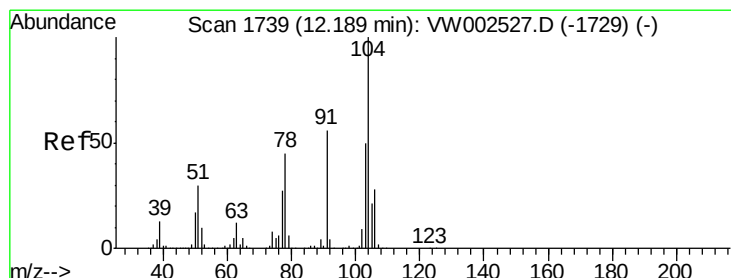
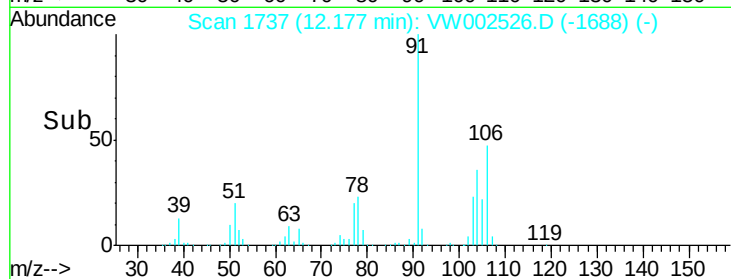
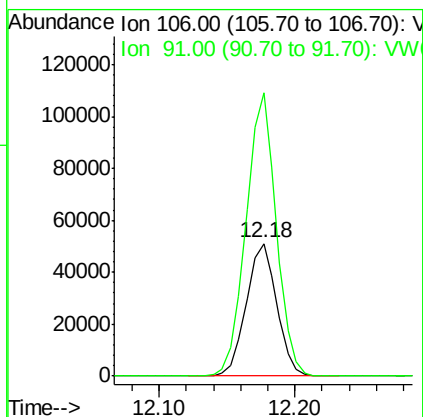
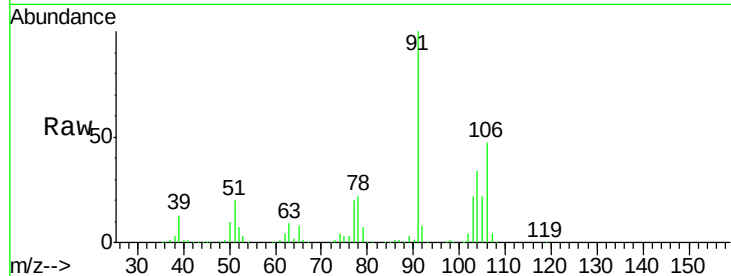




#69
o-Xylene
Concen: 19.20 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

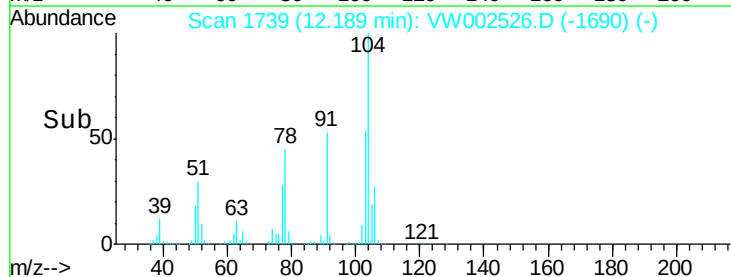
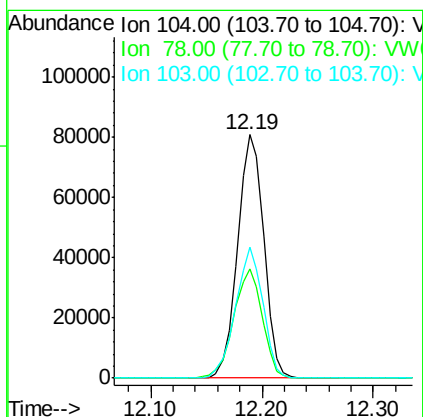
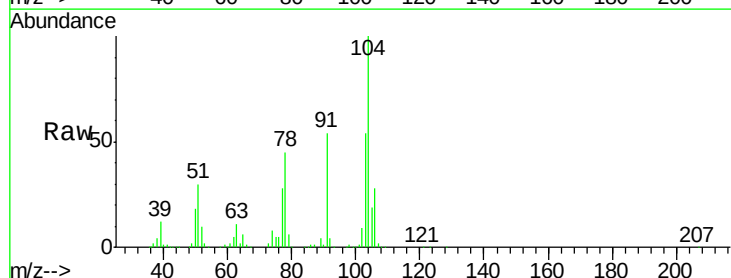
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

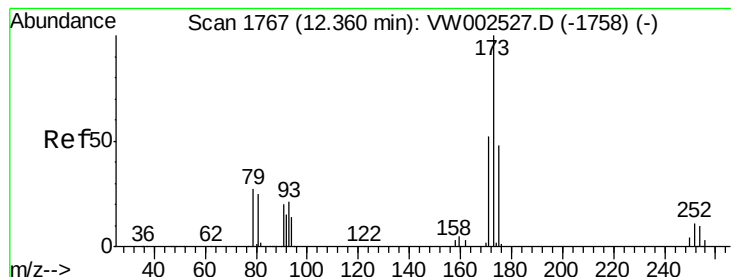
Tgt Ion:106 Resp: 80249
Ion Ratio Lower Upper
106 100
91 211.3 106.7 320.2



#70
Styrene
Concen: 19.02 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Tgt Ion:104 Resp: 131886
Ion Ratio Lower Upper
104 100
78 49.0 40.1 60.1
103 56.0 44.6 66.8





#71

Bromoform

Concen: 19.22 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

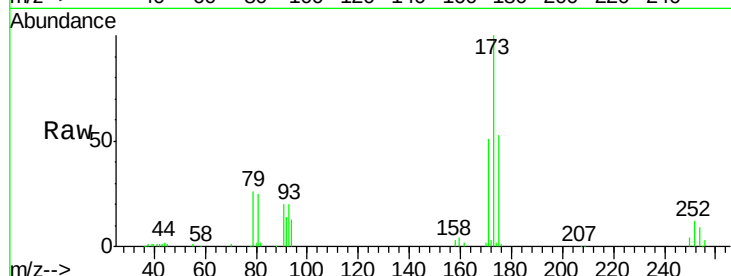
Tgt Ion:173 Resp: 26247

Ion Ratio Lower Upper

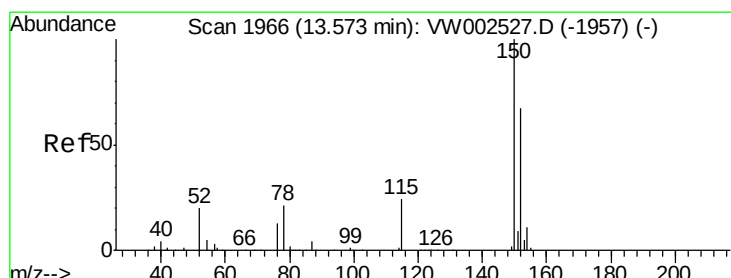
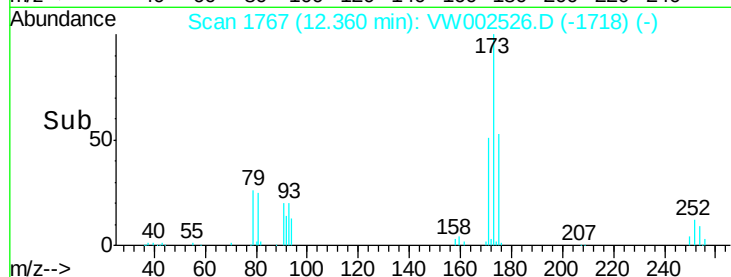
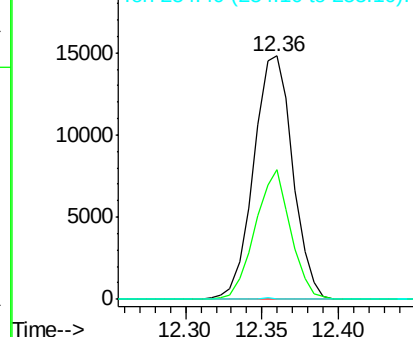
173 100

175 48.6 24.5 73.5

254 0.2 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: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

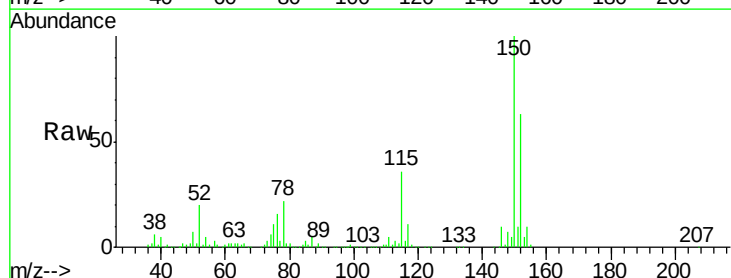
Tgt Ion:152 Resp: 180433

Ion Ratio Lower Upper

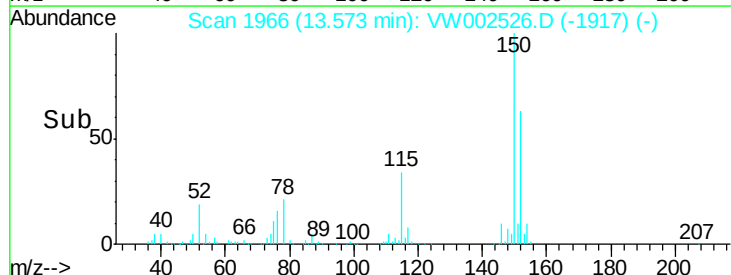
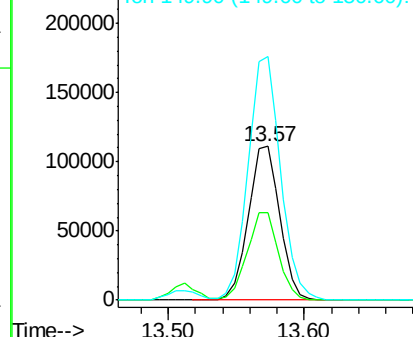
152 100

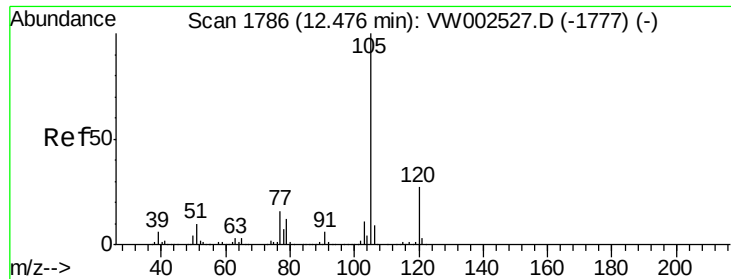
115 56.5 28.0 84.0

150 162.8 0.0 345.4



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





#73

Isopropylbenzene

Concen: 18.21 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

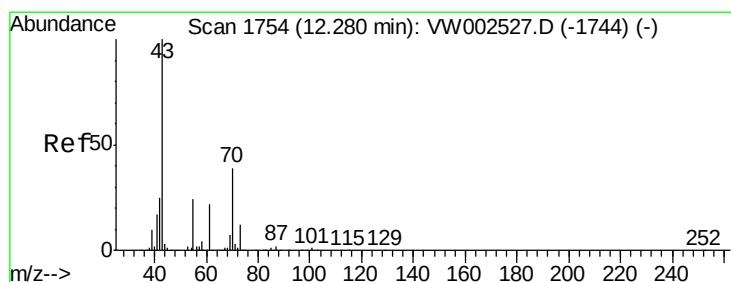
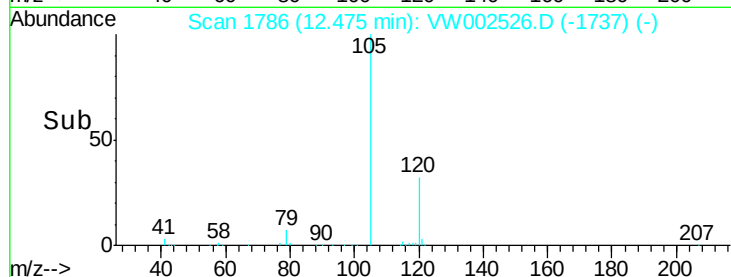
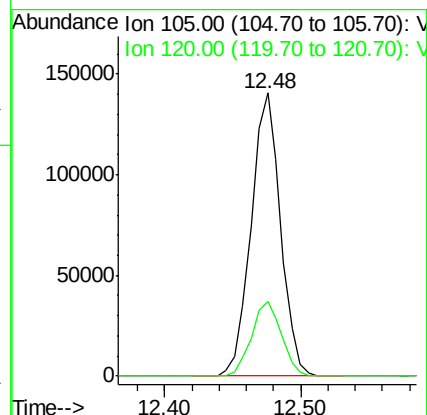
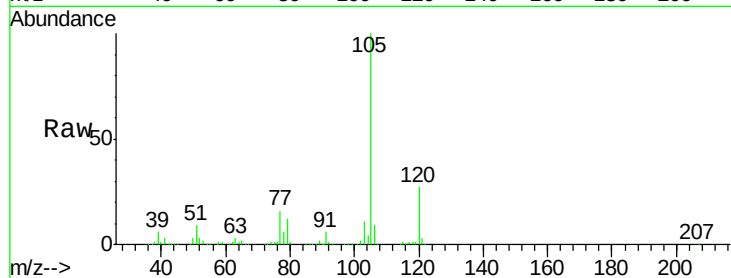
VSTDIC020

Tgt Ion:105 Resp: 212645

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



#74

N-ethyl acetate

Concen: 18.34 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Tgt Ion: 43 Resp: 54033

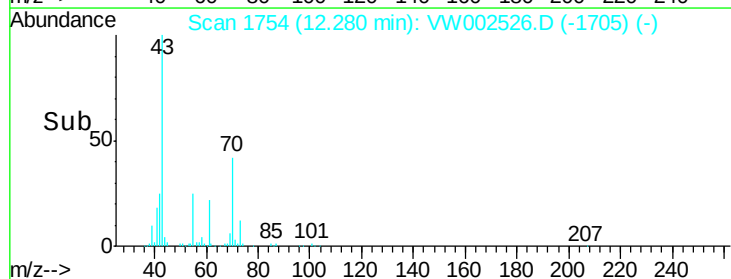
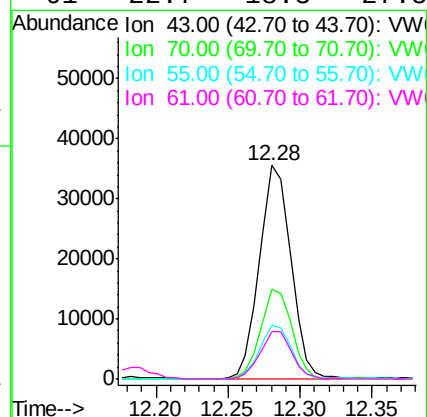
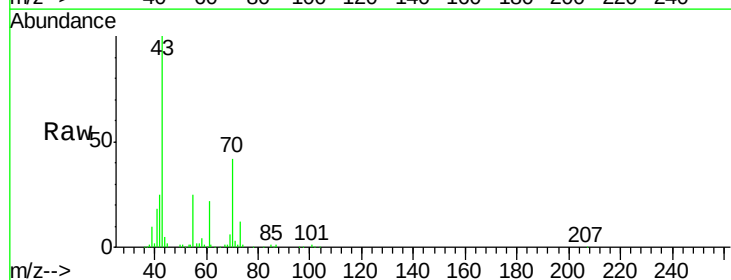
Ion Ratio Lower Upper

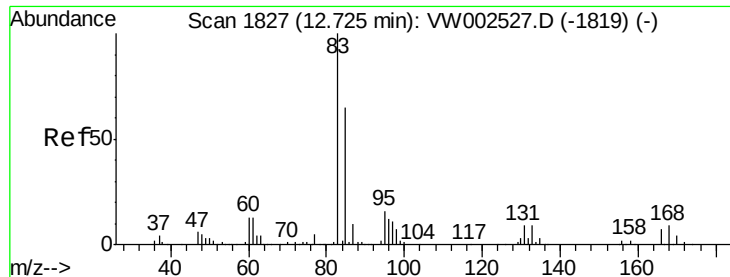
43 100

70 42.3 31.9 47.9

55 25.3 19.4 29.0

61 22.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.23 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

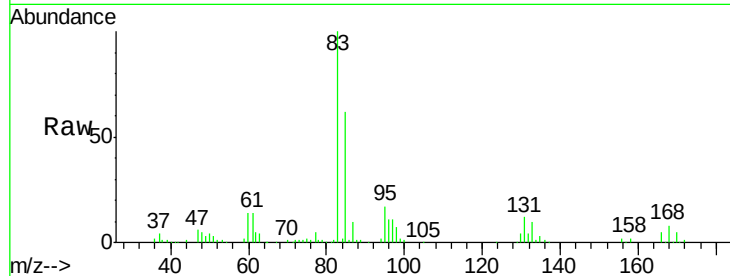
Tgt Ion: 83 Resp: 43890

Ion Ratio Lower Upper

83 100

131 11.8 5.4 16.2

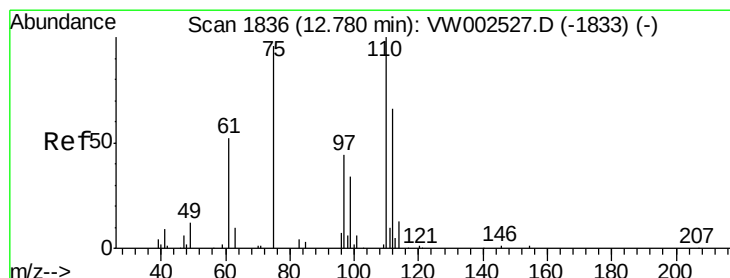
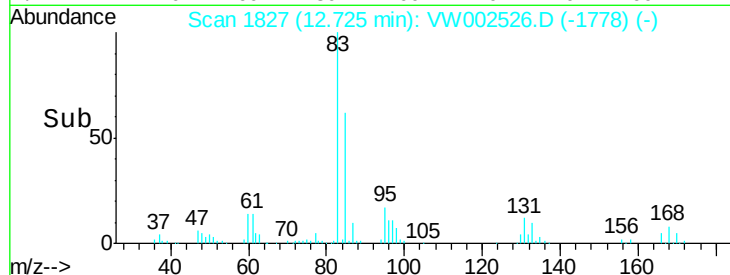
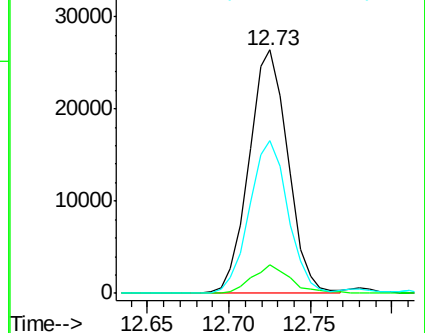
85 62.1 31.6 94.8



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: 33.51 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VW002526.D

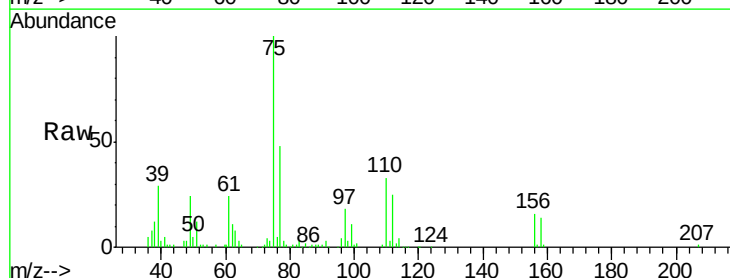
Acq: 14 May 2018 21:41

Tgt Ion: 75 Resp: 55869

Ion Ratio Lower Upper

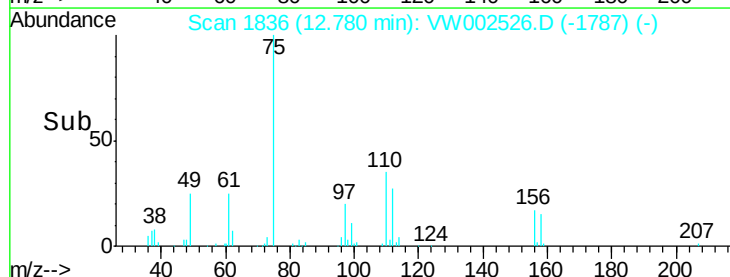
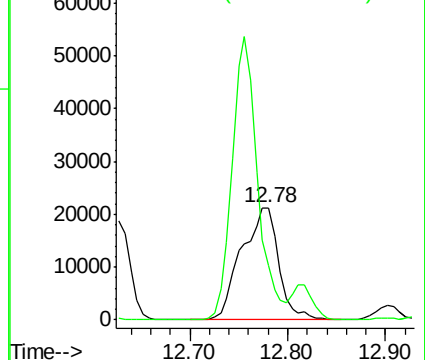
75 100

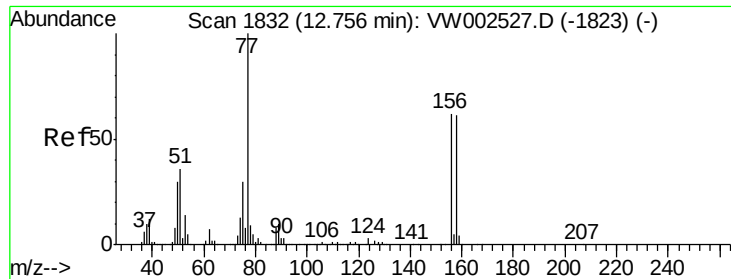
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

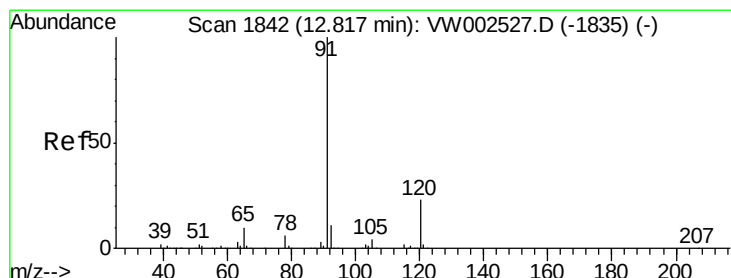
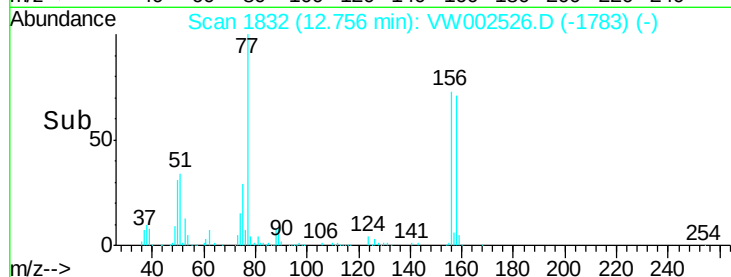
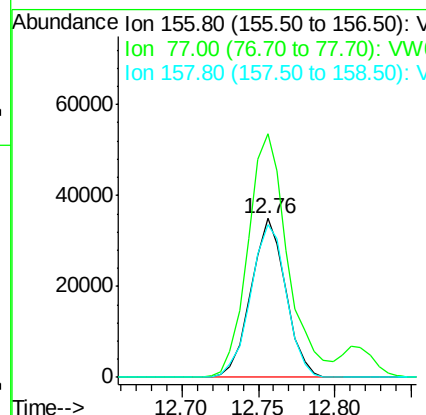
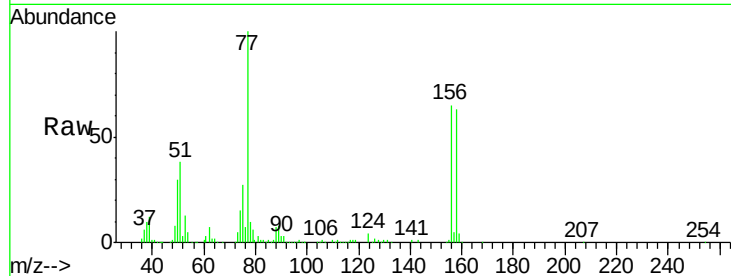




#77
Bromobenzene
Concen: 18.72 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

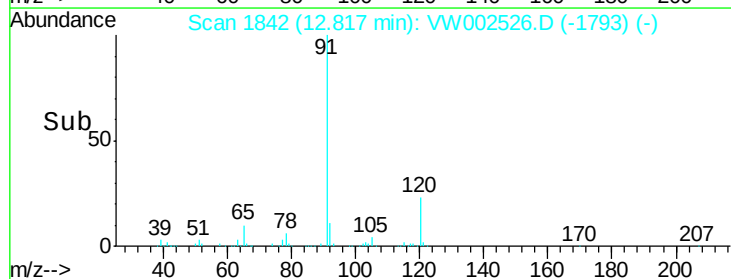
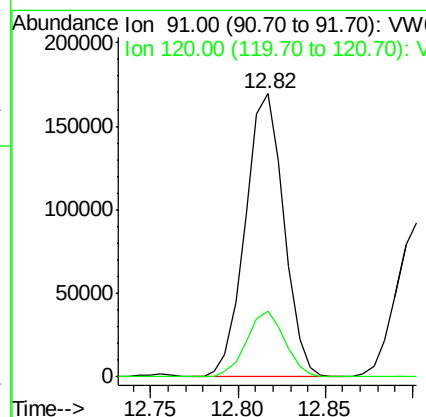
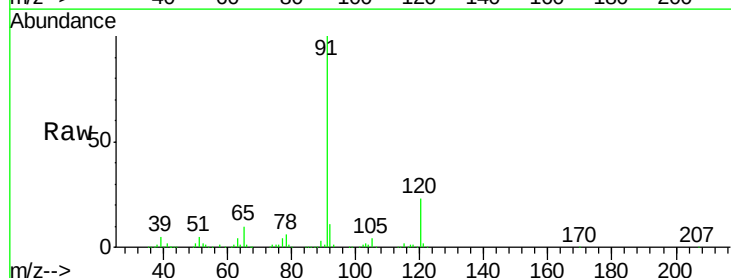
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

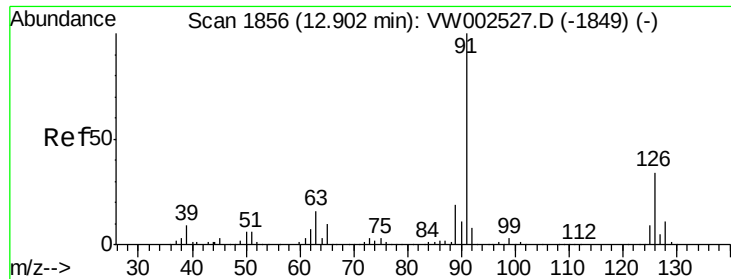
Tgt Ion:156 Resp: 55167
Ion Ratio Lower Upper
156 100
77 176.4 89.8 269.4
158 98.8 48.8 146.3



#78
n-propylbenzene
Concen: 18.74 ug/l
RT: 12.82 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Tgt Ion: 91 Resp: 259389
Ion Ratio Lower Upper
91 100
120 23.0 11.7 35.1





#79

2-Chlorotoluene

Concen: 18.64 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

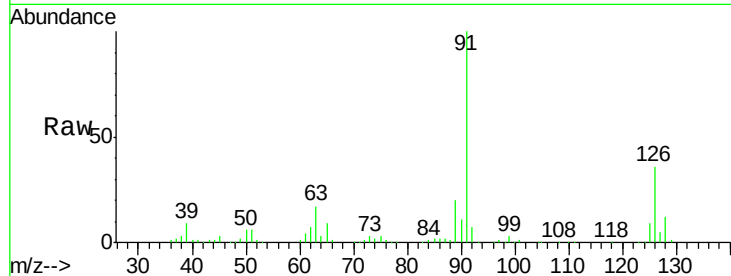
VSTDIC020

Tgt Ion: 91 Resp: 148286

Ion Ratio Lower Upper

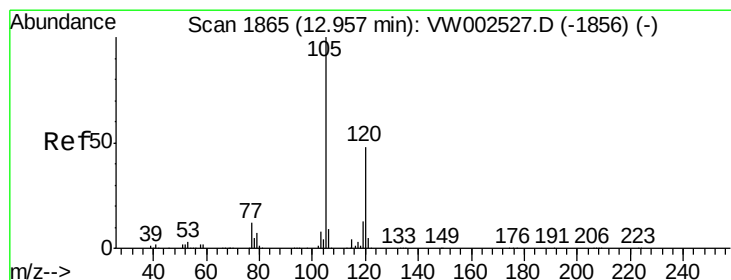
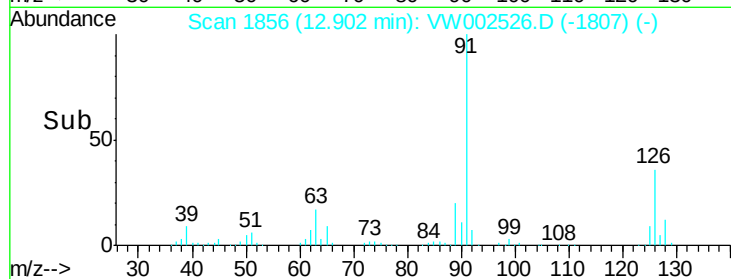
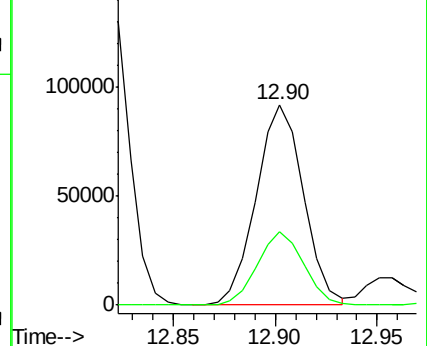
91 100

126 36.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.69 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002526.D

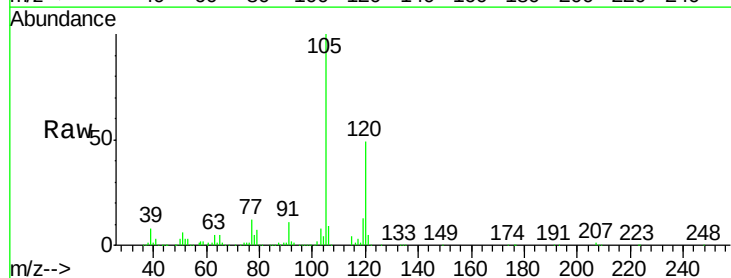
Acq: 14 May 2018 21:41

Tgt Ion: 105 Resp: 183757

Ion Ratio Lower Upper

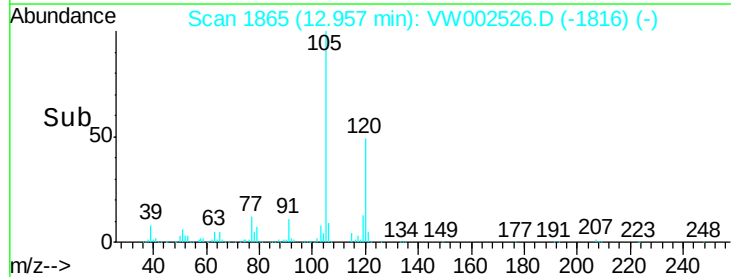
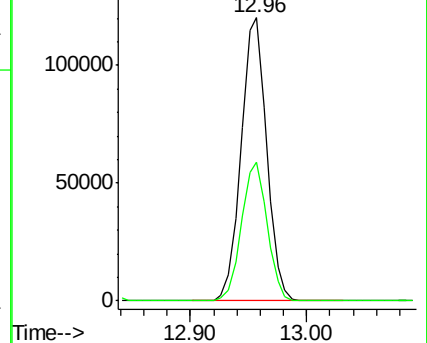
105 100

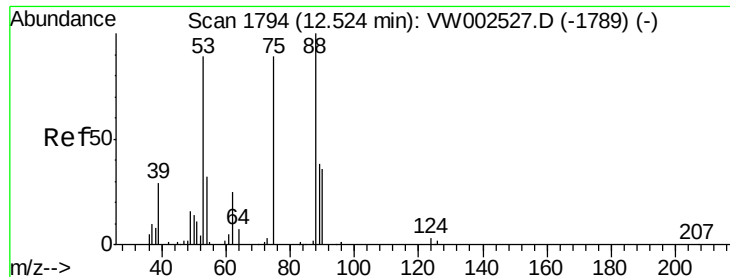
120 49.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.96 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

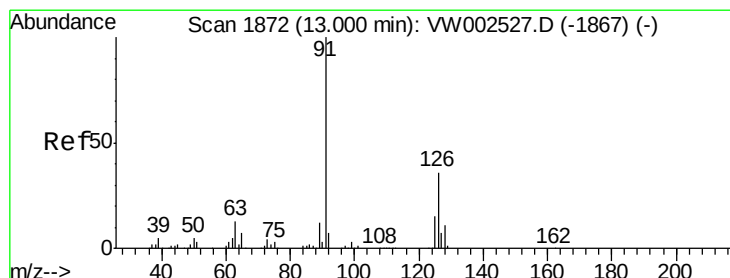
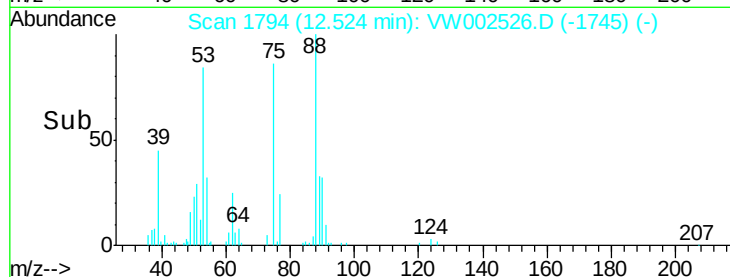
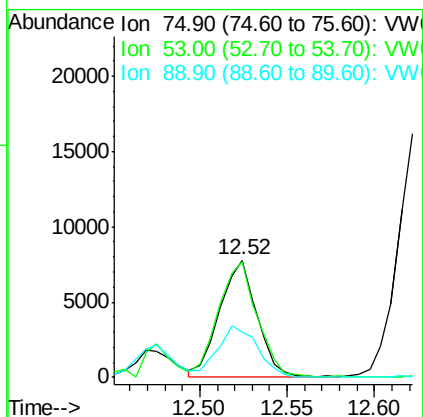
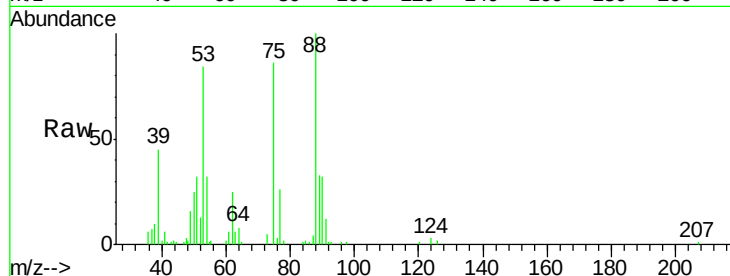
Tgt Ion: 75 Resp: 11631

Ion Ratio Lower Upper

75 100

53 102.4 82.6 124.0

89 45.5 39.2 58.8



#82

4-Chlorotoluene

Concen: 19.13 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VW002526.D

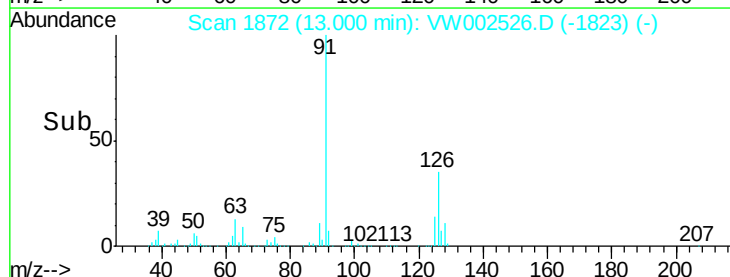
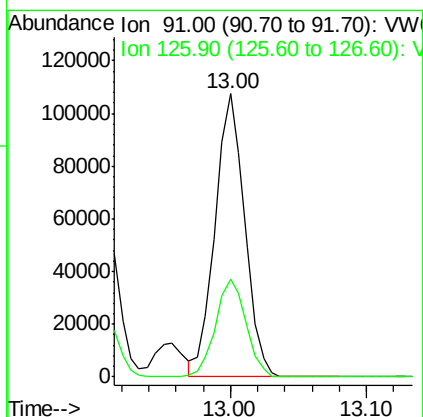
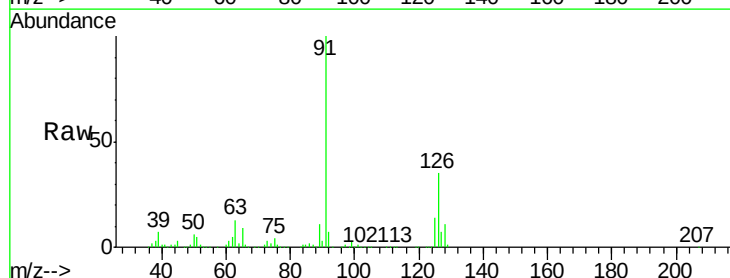
Acq: 14 May 2018 21:41

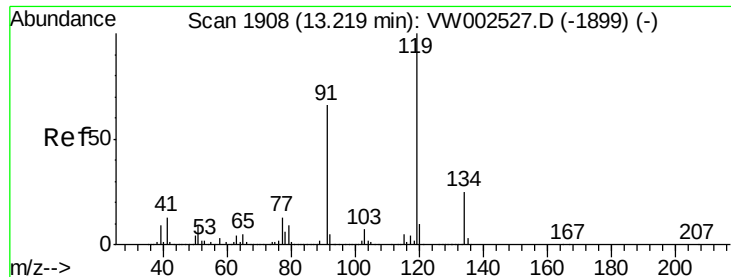
Tgt Ion: 91 Resp: 162175

Ion Ratio Lower Upper

91 100

126 35.4 17.5 52.5

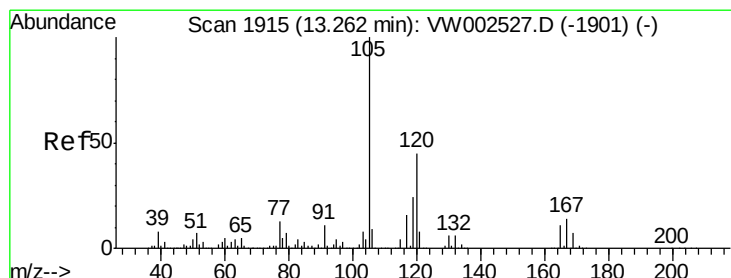
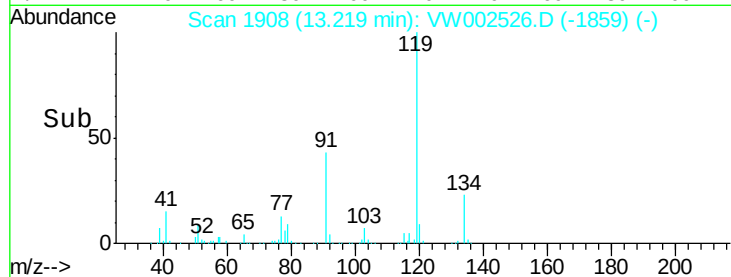
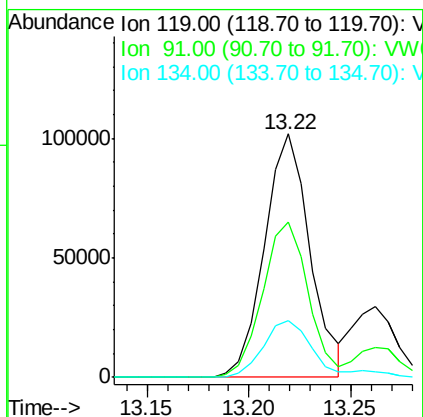
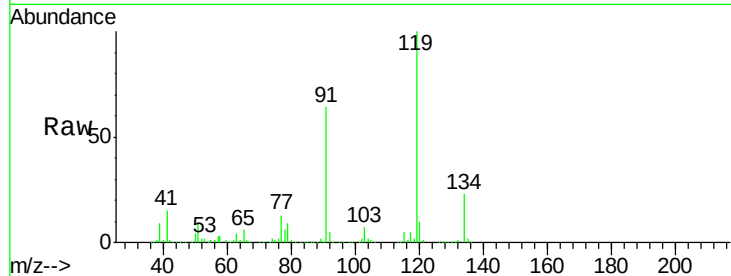




#83
 tert-Butylbenzene
 Concen: 18.75 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

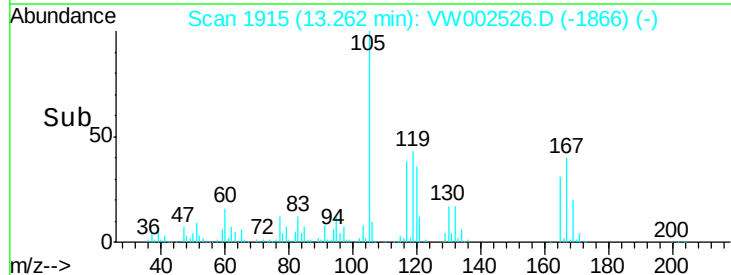
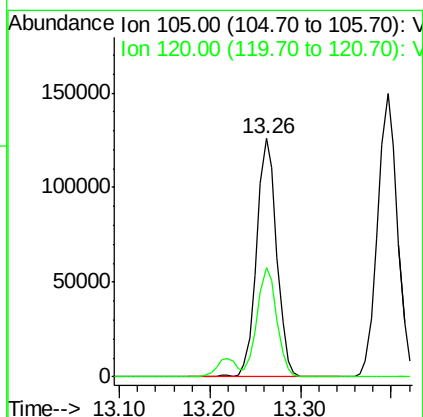
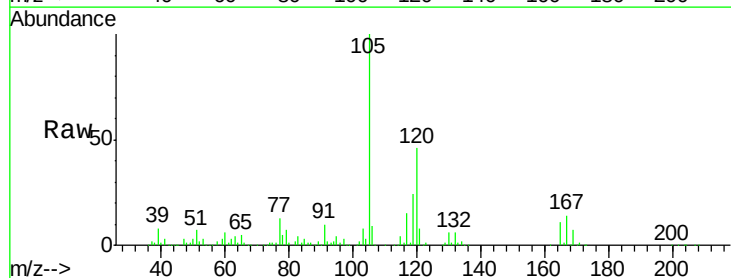
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

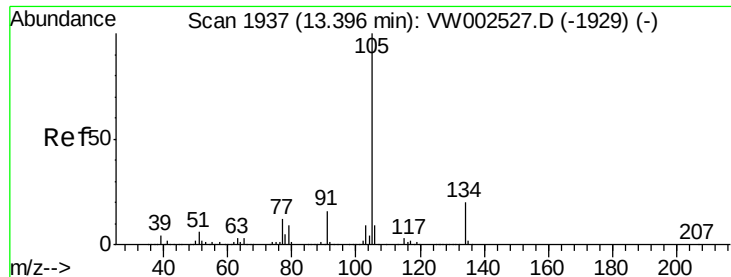
Tgt Ion:119 Resp: 158416
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.5 97.5
 134 26.5 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 18.90 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion:105 Resp: 192740
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.3 66.9





#85

sec-Butylbenzene

Concen: 18.69 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

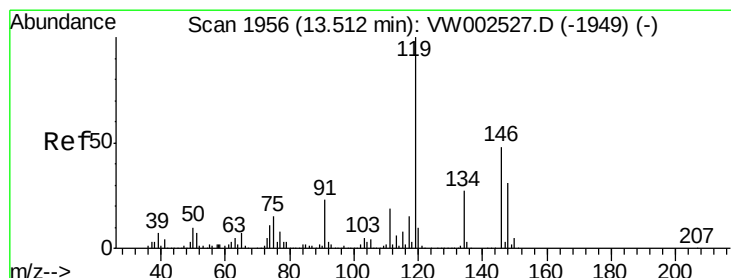
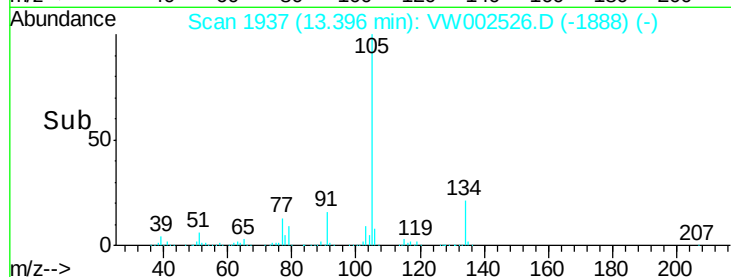
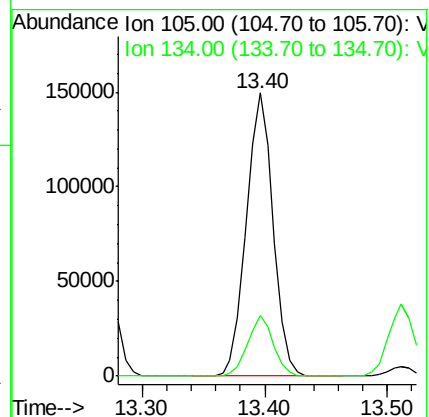
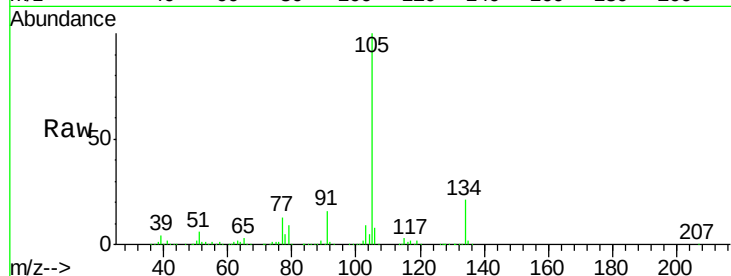
VSTDIC020

Tgt Ion:105 Resp: 226185

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3



#86

p-Isopropyltoluene

Concen: 18.81 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

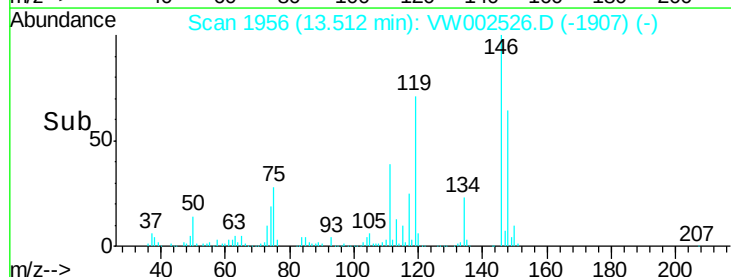
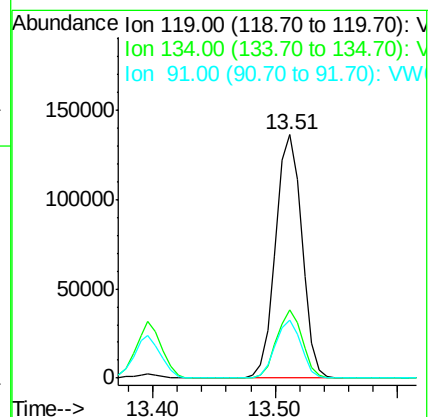
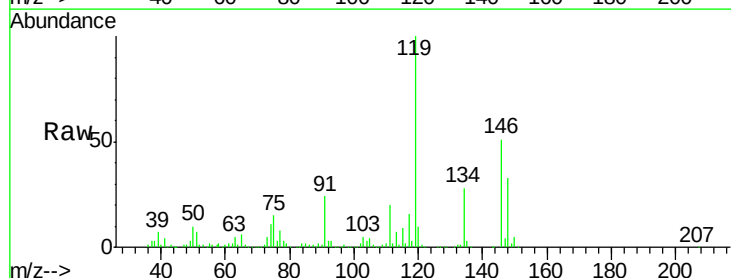
Tgt Ion:119 Resp: 203969

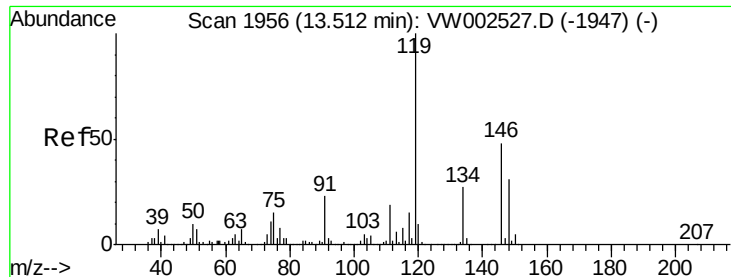
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 23.4 11.6 34.8

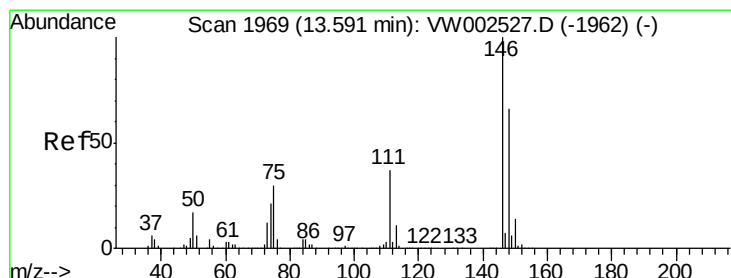
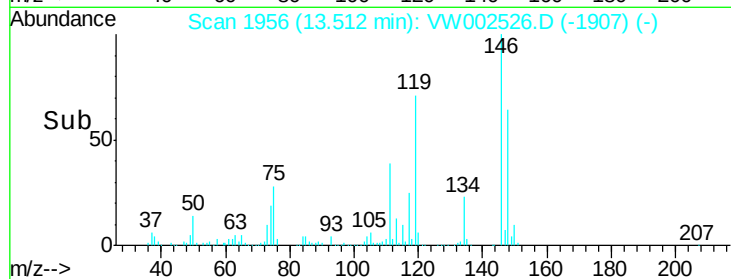
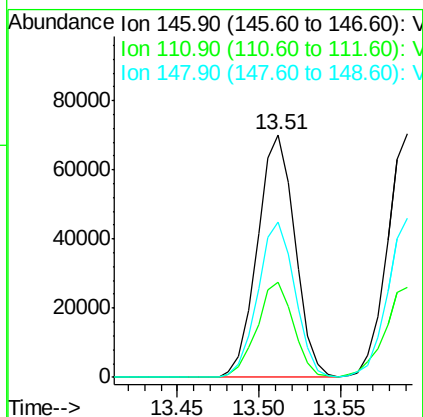
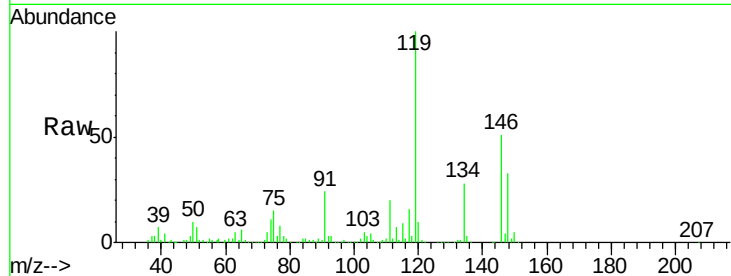




#87
 1,3-Dichlorobenzene
 Concen: 19.27 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

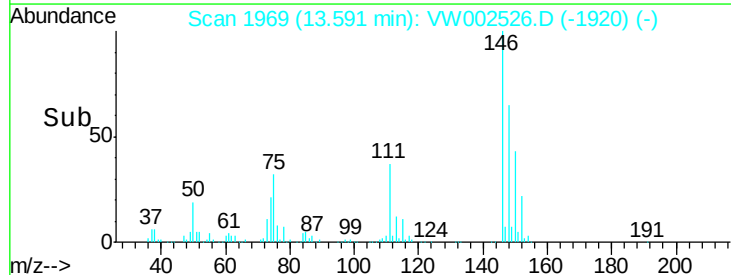
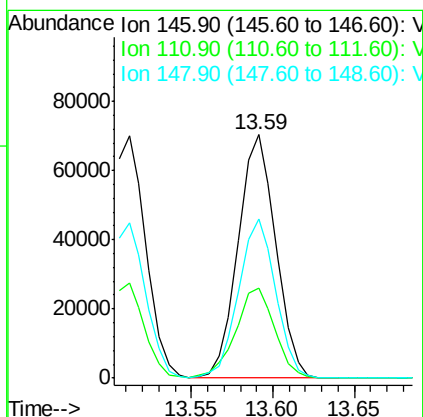
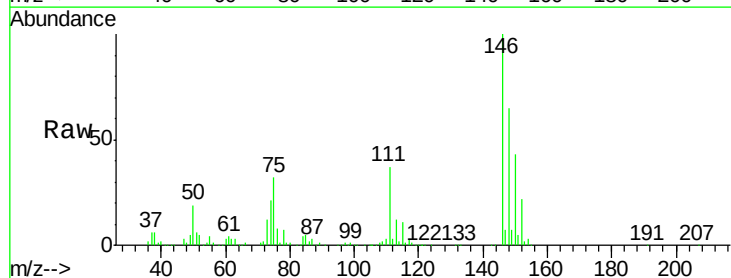
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

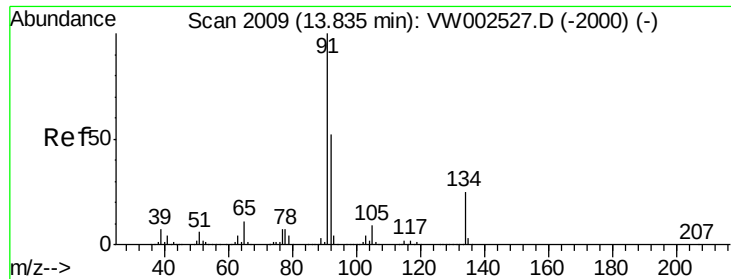
Tgt Ion:146 Resp: 112350
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.6 58.7
 148 63.4 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 19.42 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion:146 Resp: 113115
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.9 56.5
 148 64.4 32.4 97.0





#89

n-Butylbenzene

Concen: 19.06 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW002526.D

Acq: 14 May 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

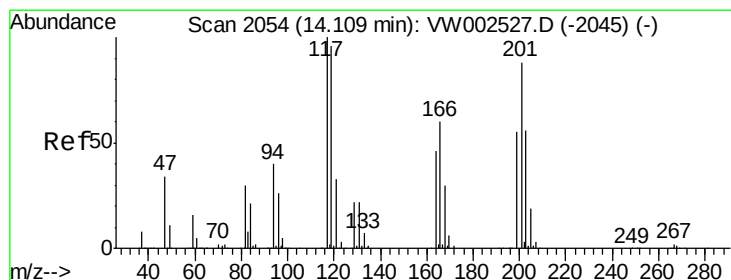
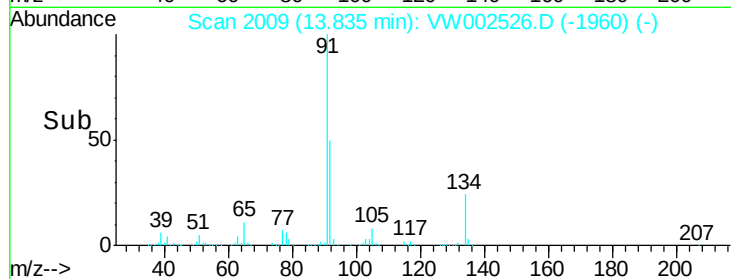
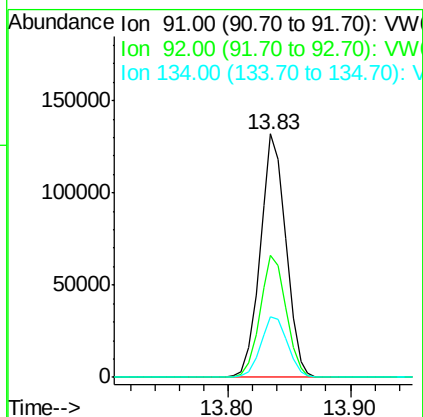
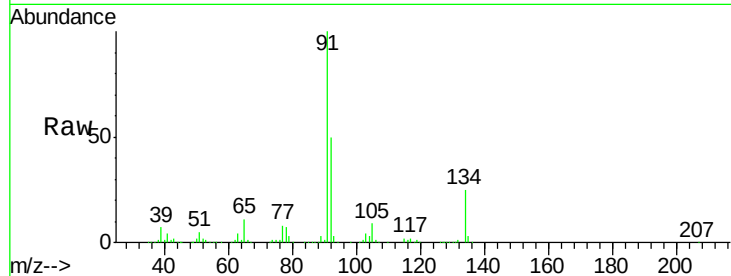
Tgt Ion: 91 Resp: 193269

Ion Ratio Lower Upper

91 100

92 51.0 26.1 78.2

134 26.0 13.1 39.1



#90

Hexachloroethane

Concen: 18.30 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VW002526.D

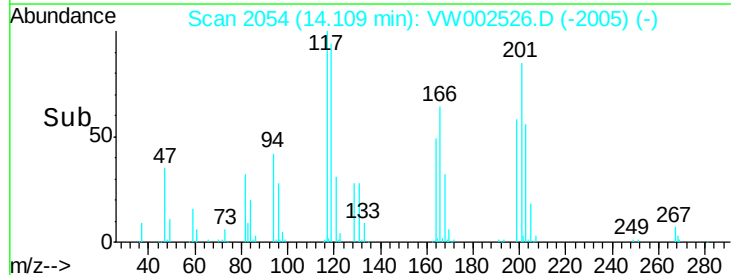
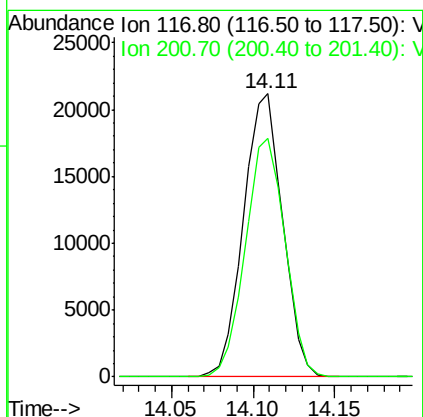
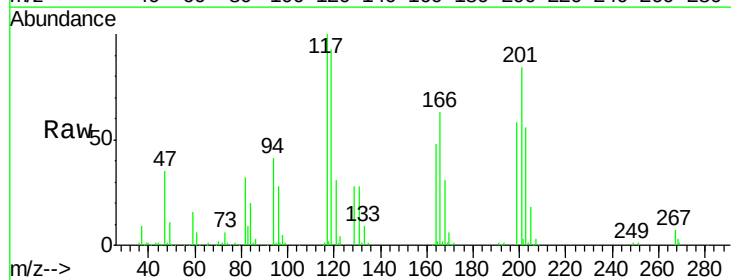
Acq: 14 May 2018 21:41

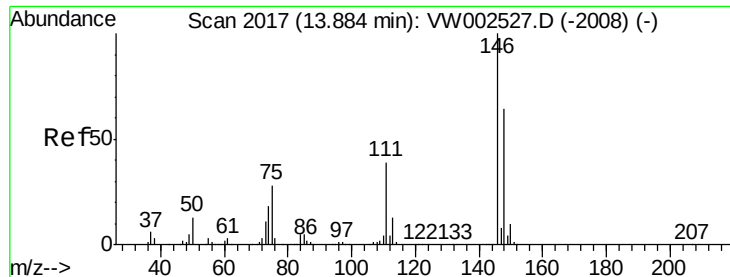
Tgt Ion: 117 Resp: 35445

Ion Ratio Lower Upper

117 100

201 85.6 42.0 126.0

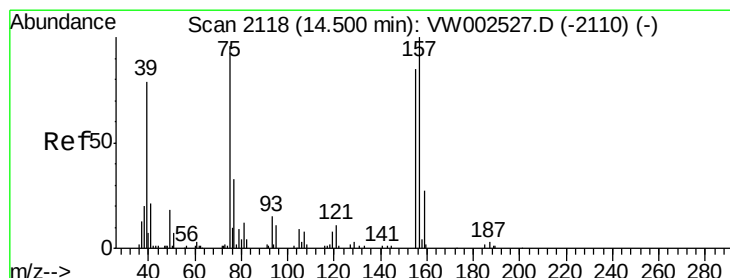
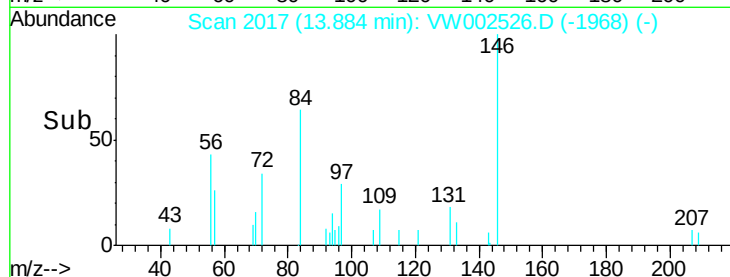
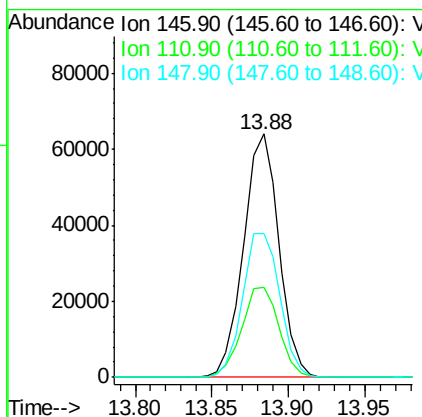
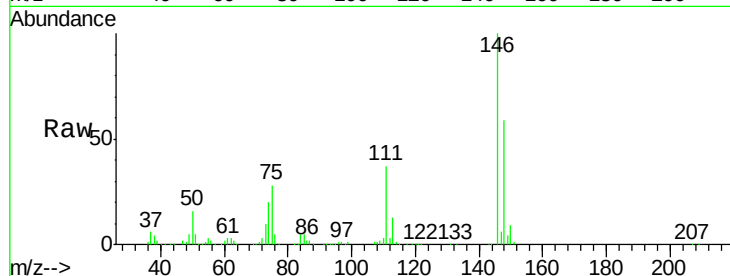




#91
 1,2-Dichlorobenzene
 Concen: 19.36 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

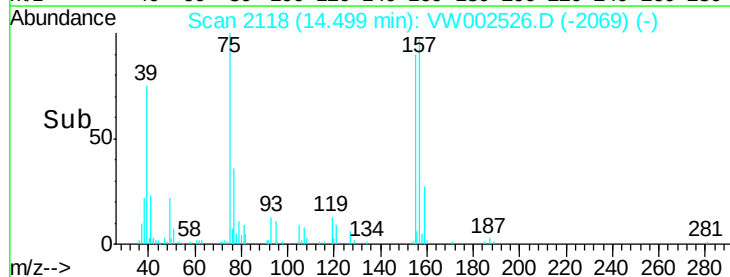
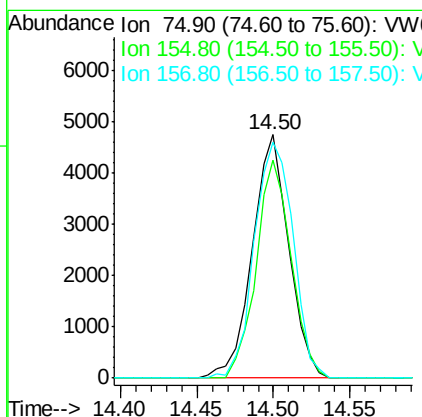
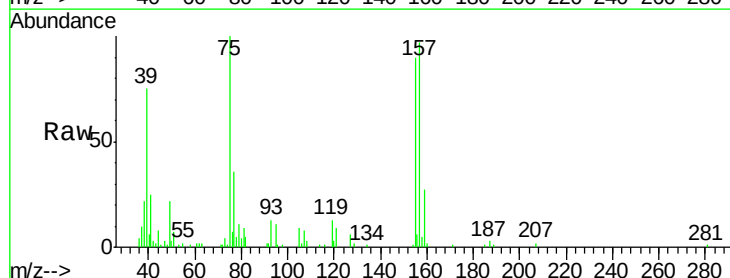
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

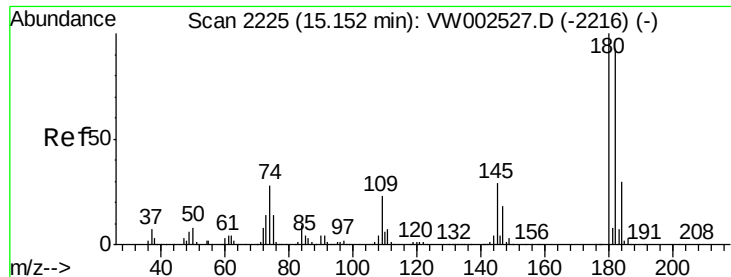
Tgt Ion: 146 Resp: 102793
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.9 59.6
 148 62.8 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.00 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion: 75 Resp: 7898
 Ion Ratio Lower Upper
 75 100
 155 85.8 42.8 128.4
 157 103.1 57.4 172.0

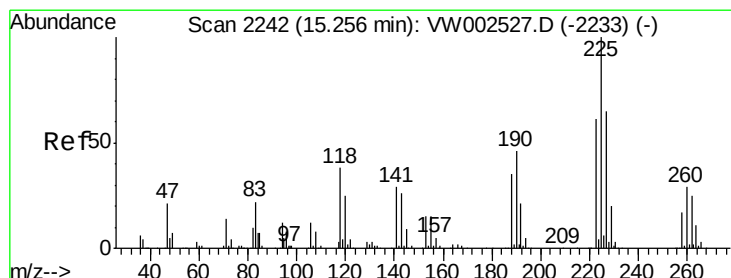
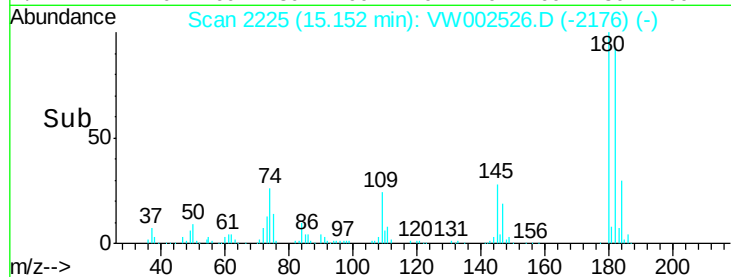
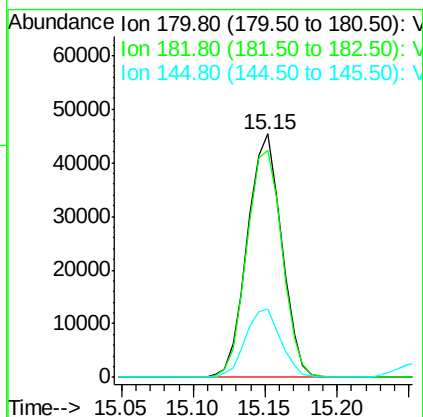
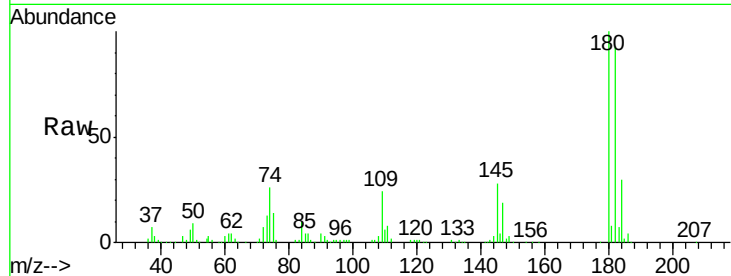




#93
 1,2,4-Trichlorobenzene
 Concen: 19.64 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

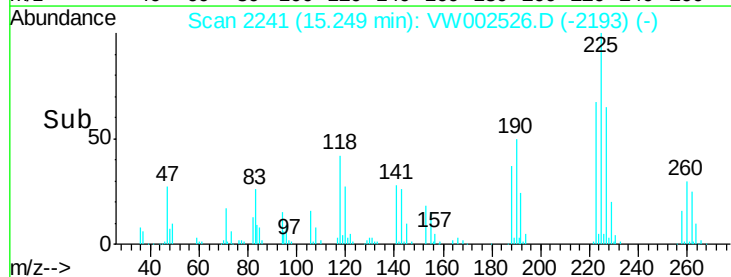
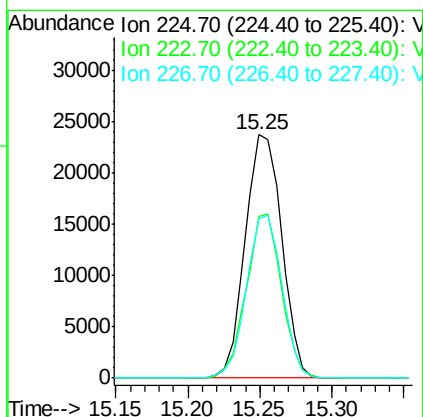
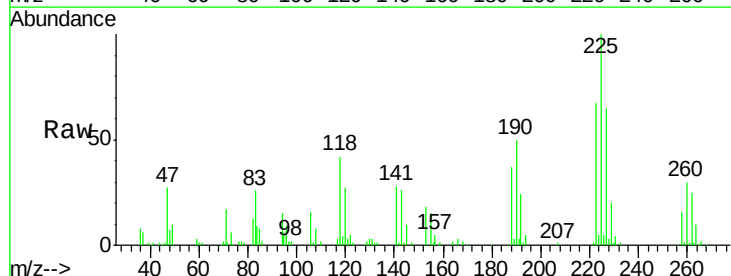
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

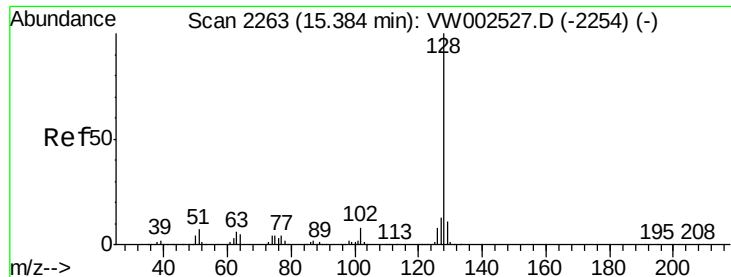
Tgt Ion:180 Resp: 74751
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.2 141.6
 145 28.9 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 19.69 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: VW002526.D
 Acq: 14 May 2018 21:41

Tgt Ion:225 Resp: 41722
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.3 93.9
 227 64.8 31.9 95.5

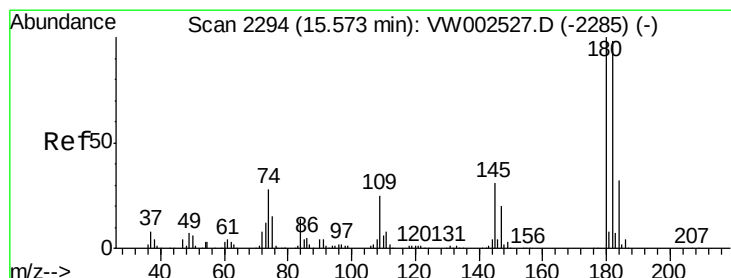
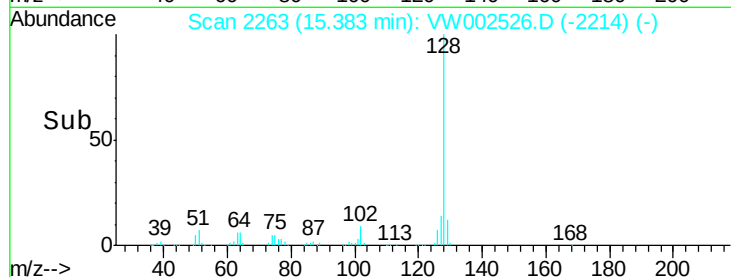
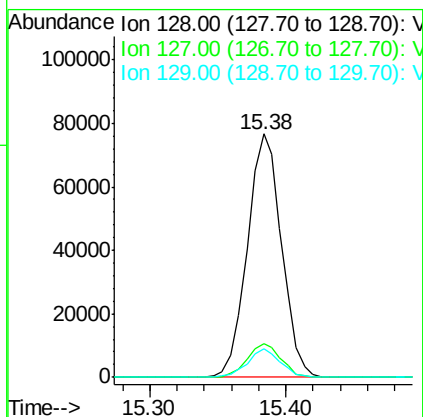
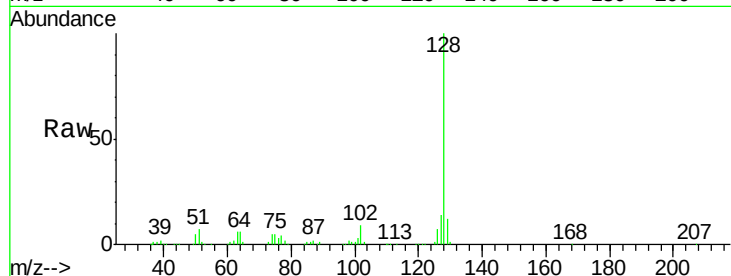




#95
Naphthalene
Concen: 19.19 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	15.8
129	11.2	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.08 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VW002526.D
Acq: 14 May 2018 21:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.8
145	30.9	15.5	46.5

