

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009564.D
 Acq On : 29 Mar 2019 09:54
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 29 12:28:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 12:17:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	281406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	444342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217738	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	15935	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
35) Dibromofluoromethane	7.88	113	14445	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
50) Toluene-d8	10.32	98	48337	4.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.94%	
62) 4-Bromofluorobenzene	12.62	95	17497	4.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.66%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	11859	7.207	ug/l 95
3) Chloromethane	2.21	50	12733	5.848	ug/l 99
4) Vinyl Chloride	2.36	62	17665	5.911	ug/l 99
5) Bromomethane	2.78	94	14161	6.273	ug/l 96
6) Chloroethane	2.92	64	12787	5.660	ug/l 93
7) Trichlorofluoromethane	3.25	101	11755	5.669	ug/l 97
8) Diethyl Ether	3.67	74	7538	5.145	ug/l 84
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15543	5.614	ug/l 96
10) Methyl Iodide	4.26	142	21215	5.455	ug/l 96
11) Tert butyl alcohol	5.18	59	5279	29.275	ug/l # 78
12) 1,1-Dichloroethene	4.03	96	15111	5.752	ug/l 93
13) Acrolein	3.88	56	3500	25.646	ug/l 87
14) Allyl chloride	4.66	41	23081	5.327	ug/l 98
15) Acrylonitrile	5.37	53	17341	26.710	ug/l 98
16) Acetone	4.12	43	20423	28.102	ug/l 91
17) Carbon Disulfide	4.38	76	43672	5.951	ug/l 97
18) Methyl Acetate	4.67	43	10735	6.324	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	17992	4.740	ug/l # 77
20) Methylene Chloride	4.92	84	22927	7.996	ug/l 92
21) trans-1,2-Dichloroethene	5.41	96	15446	5.471	ug/l # 88
22) Diisopropyl ether	6.31	45	44227	4.672	ug/l 95
23) Vinyl Acetate	6.25	43	120681	20.228	ug/l 95
24) 1,1-Dichloroethane	6.21	63	30117	5.430	ug/l 97
25) 2-Butanone	7.17	43	23331	23.580	ug/l 98
26) 2,2-Dichloropropane	7.15	77	17941	5.654	ug/l 98
27) cis-1,2-Dichloroethene	7.16	96	16137	5.160	ug/l 95
28) Bromochloromethane	7.51	49	12545	5.360	ug/l 92
29) Tetrahydrofuran	7.52	42	14399	23.248	ug/l 98
30) Chloroform	7.67	83	30347	5.320	ug/l 89
31) Cyclohexane	7.95	56	32111	6.485	ug/l # 83
32) 1,1,1-Trichloroethane	7.87	97	25485	5.486	ug/l 96
36) 1,1-Dichloropropene	8.08	75	23749	5.135	ug/l 98
37) Ethyl Acetate	7.26	43	10232	4.710	ug/l 96
38) Carbon Tetrachloride	8.06	117	24922	5.322	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009564.D
 Acq On : 29 Mar 2019 09:54
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 29 12:28:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 12:17:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	26779	5.026	ug/l	99
40) Benzene	8.32	78	64235	5.135	ug/l	97
41) Methacrylonitrile	7.49	41	5767	4.462	ug/l	94
42) 1,2-Dichloroethane	8.40	62	21745	5.209	ug/l	98
43) Isopropyl Acetate	8.43	43	21192	5.035	ug/l	98
44) Trichloroethene	9.09	130	16657	5.160	ug/l	92
45) 1,2-Dichloropropane	9.37	63	16474	5.165	ug/l	98
46) Dibromomethane	9.46	93	8539	5.007	ug/l	96
47) Bromodichloromethane	9.65	83	21951	4.941	ug/l	92
48) Methyl methacrylate	9.44	41	8645	4.142	ug/l	93
49) 1,4-Dioxane	9.44	88	2528	95.881	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	52554	22.776	ug/l	94
52) Toluene	10.38	92	37159	4.632	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	20734	4.688	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	21877	4.450	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	11680	5.036	ug/l	97
56) Ethyl methacrylate	10.65	69	11782	3.907	ug/l #	87
57) 1,3-Dichloropropane	10.93	76	20167	4.836	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.92	63	24815	16.798	ug/l	96
59) 2-Hexanone	10.97	43	33896	20.648	ug/l	97
60) Dibromochloromethane	11.13	129	13685	4.859	ug/l	99
61) 1,2-Dibromoethane	11.24	107	10803	4.826	ug/l	97
64) Tetrachloroethene	10.86	164	15129	5.566	ug/l	96
65) Chlorobenzene	11.66	112	44556	5.210	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	15216	4.843	ug/l	93
67) Ethyl Benzene	11.73	91	71718	4.578	ug/l	98
68) m/p-Xylenes	11.84	106	53265	8.947	ug/l	96
69) o-Xylene	12.16	106	23856	4.272	ug/l	98
70) Styrene	12.18	104	38288	4.058	ug/l	100
71) Bromoform	12.35	173	8146	4.804	ug/l #	98
73) Isopropylbenzene	12.46	105	67740	4.212	ug/l	99
74) N-amyl acetate	12.27	43	16556	4.082	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	14277	5.034	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	18321	8.897	ug/l #	100
77) Bromobenzene	12.75	156	16869	4.706	ug/l	100
78) n-propylbenzene	12.80	91	86546	4.368	ug/l	99
79) 2-Chlorotoluene	12.90	91	49816	4.475	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	56349	4.140	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	4106	4.655	ug/l	94
82) 4-Chlorotoluene	12.99	91	52309	4.462	ug/l	100
83) tert-Butylbenzene	13.21	119	47668	4.116	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	57376	4.083	ug/l	98
85) sec-Butylbenzene	13.38	105	74002	4.208	ug/l	99
86) p-Isopropyltoluene	13.50	119	61827	4.045	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	36395	4.932	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	36907	5.031	ug/l	94
89) n-Butylbenzene	13.83	91	64008	4.252	ug/l	97
90) Hexachloroethane	14.10	117	12884	4.550	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	31953	4.811	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2610	4.998	ug/l	96

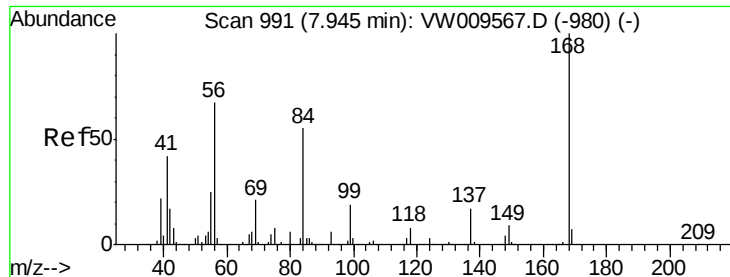
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
Data File : VW009564.D
Acq On : 29 Mar 2019 09:54
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Mar 29 12:28:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 29 12:17:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	18170	4.130	ug/l	97
94) Hexachlorobutadiene	15.24	225	13823	5.054	ug/l	98
95) Naphthalene	15.37	128	28334	3.471	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	16081	4.148	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

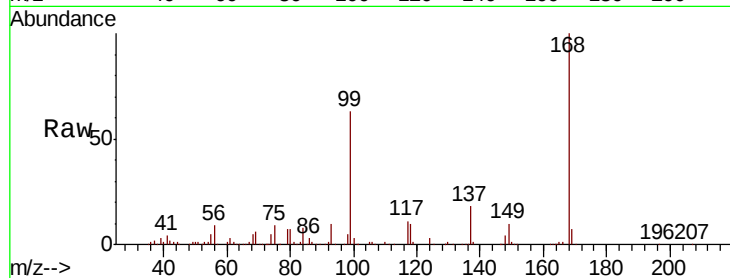
VSTDIC005

Tgt Ion:168 Resp: 281406

Ion Ratio Lower Upper

168 100

99 62.7 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

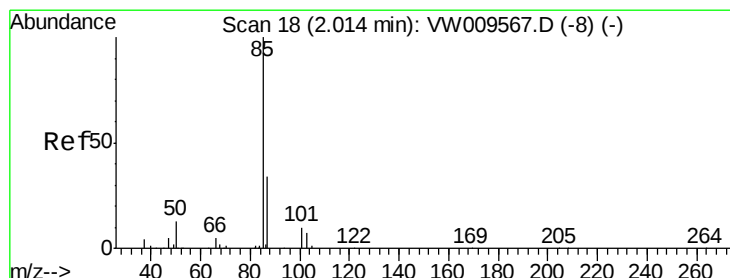
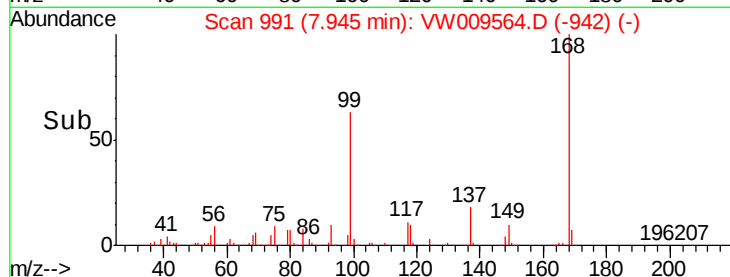
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 7.207 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009564.D

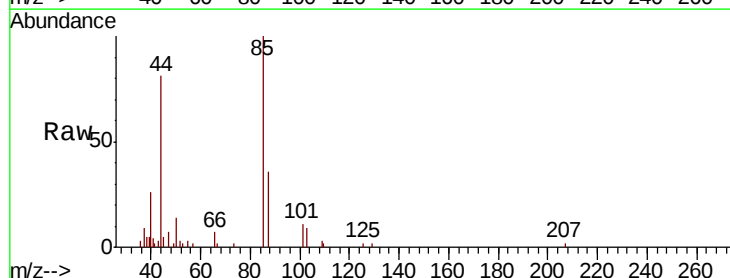
Acq: 29 Mar 2019 09:54

Tgt Ion: 85 Resp: 11859

Ion Ratio Lower Upper

85 100

87 36.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

3000

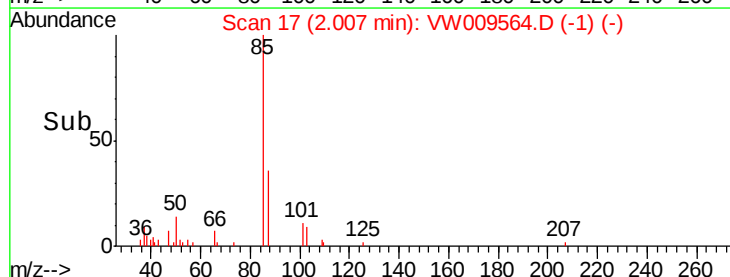
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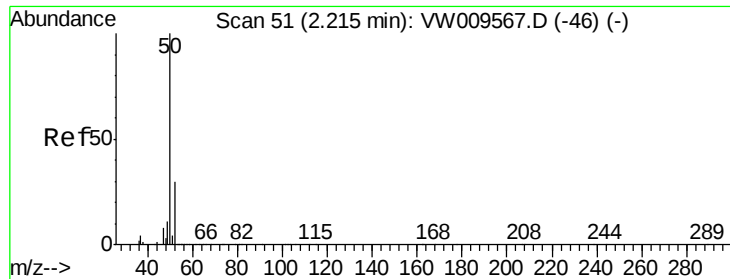
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 5.848 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

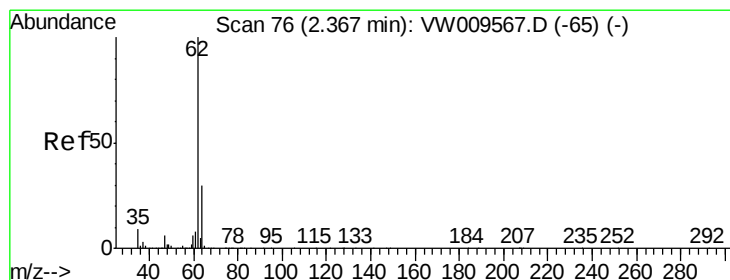
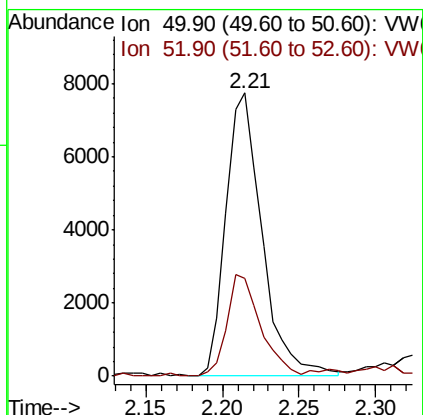
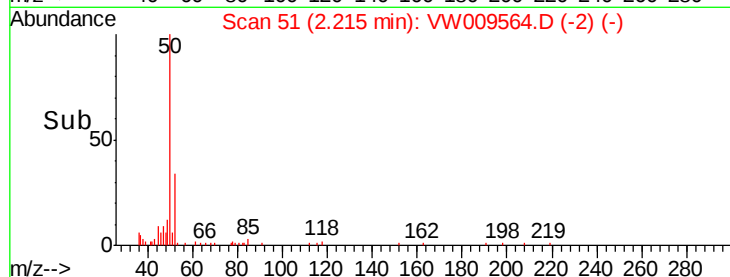
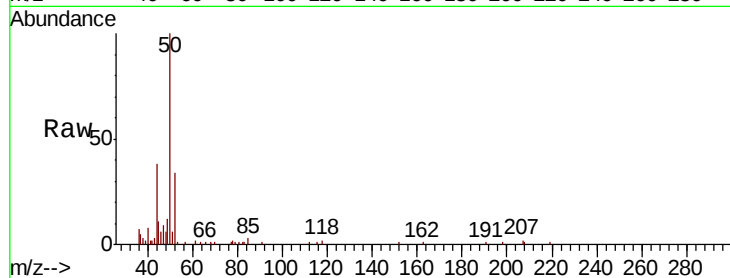
VSTDIC005

Tgt Ion: 50 Resp: 12733

Ion Ratio Lower Upper

50 100

52 34.4 27.2 40.8



#4

Vinyl Chloride

Concen: 5.911 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW009564.D

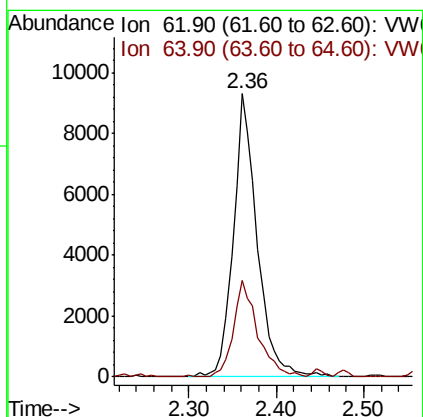
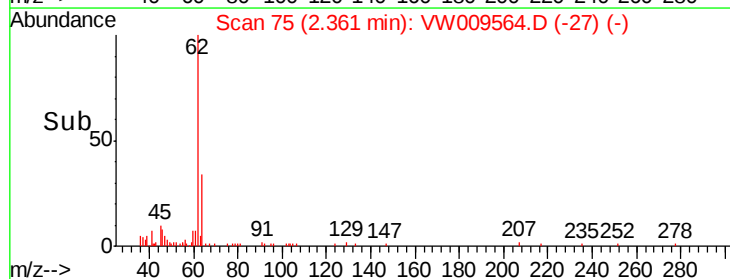
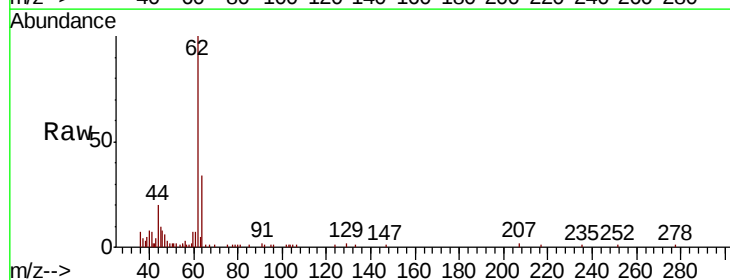
Acq: 29 Mar 2019 09:54

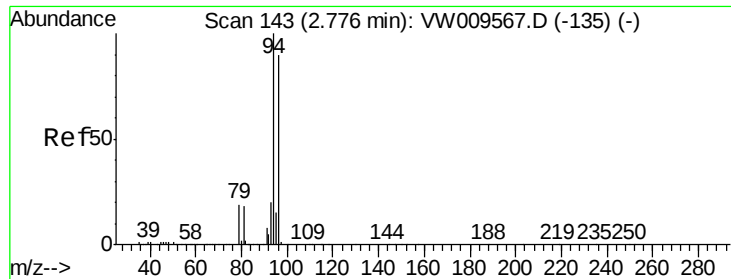
Tgt Ion: 62 Resp: 17665

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.2





#5

Bromomethane

Concen: 6.273 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

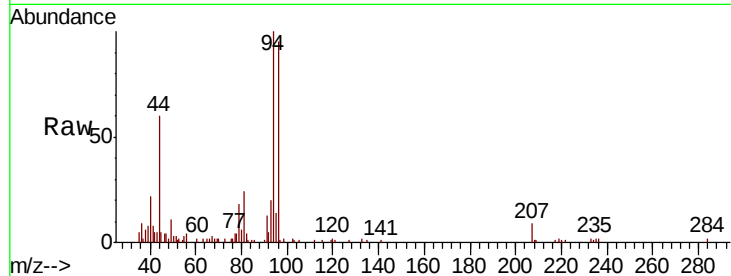
VSTDIC005

Tgt Ion: 94 Resp: 14161

Ion Ratio Lower Upper

94 100

96 93.2 71.4 107.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

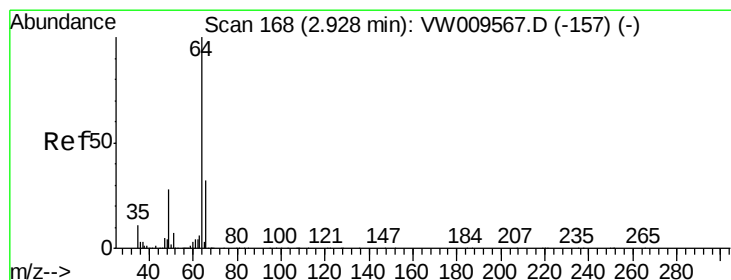
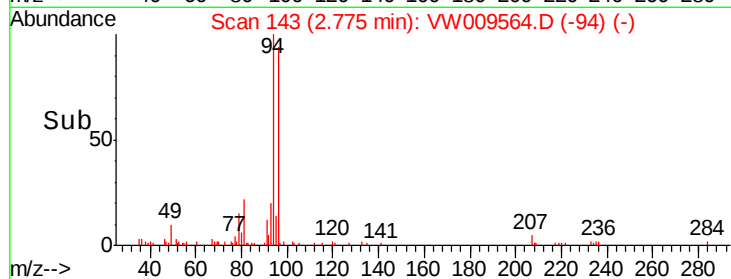
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 5.660 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009564.D

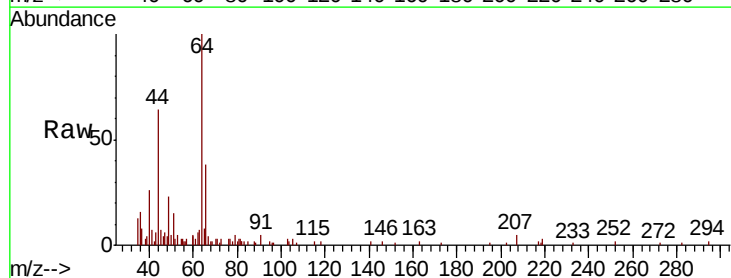
Acq: 29 Mar 2019 09:54

Tgt Ion: 64 Resp: 12787

Ion Ratio Lower Upper

64 100

66 36.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

5000

4000

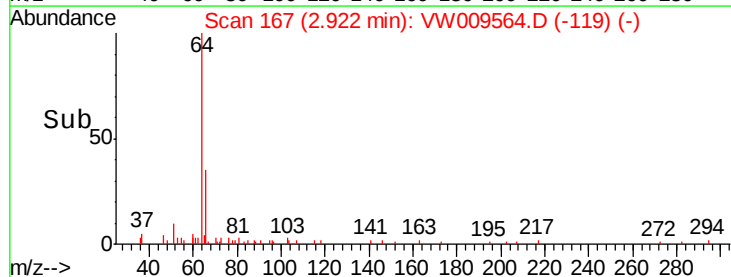
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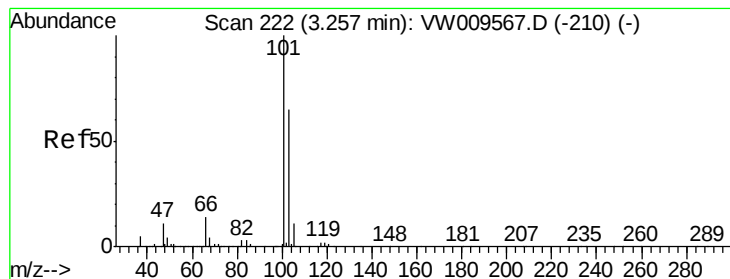
2000

1000

0

Time-->





#7

Trichlorofluoromethane

Concen: 5.669 ug/l

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

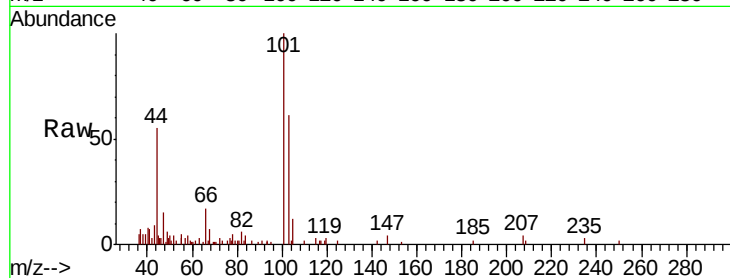
VSTDIC005

Tgt Ion: 101 Resp: 11755

Ion Ratio Lower Upper

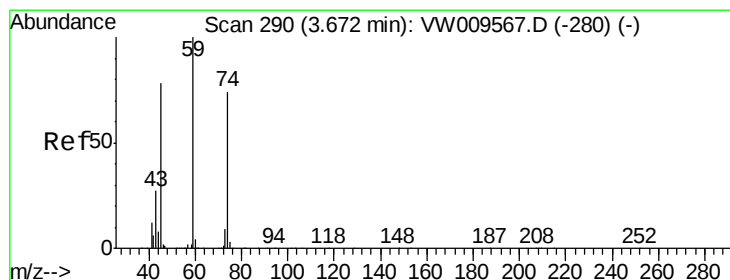
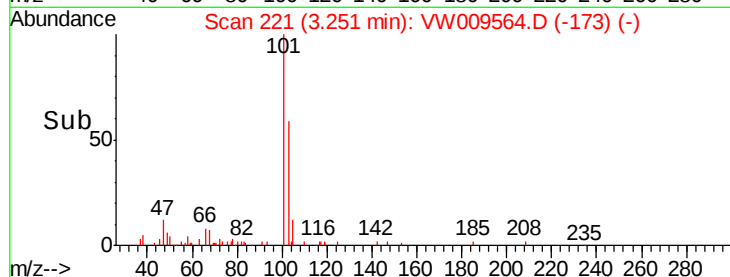
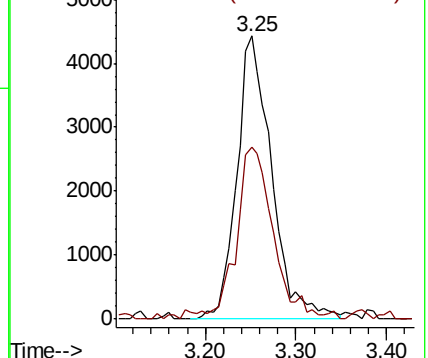
101 100

103 60.8 50.5 75.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.145 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW009564.D

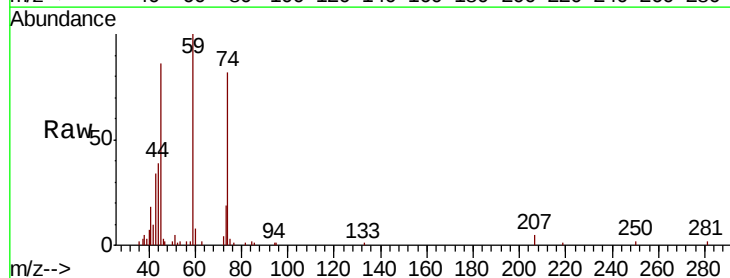
Acq: 29 Mar 2019 09:54

Tgt Ion: 74 Resp: 7538

Ion Ratio Lower Upper

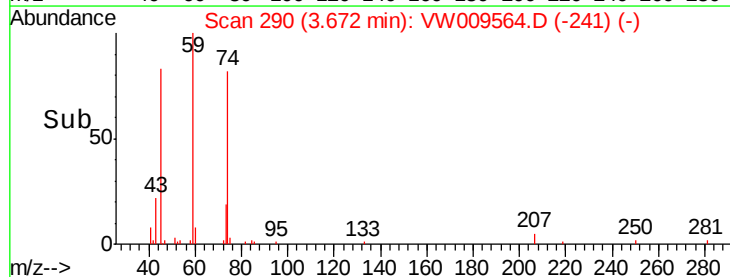
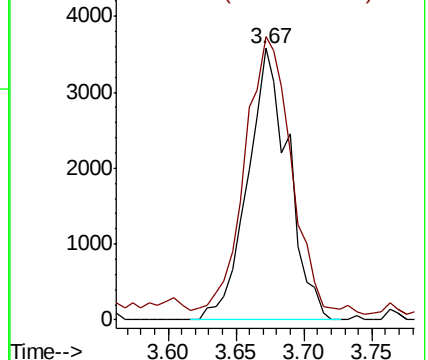
74 100

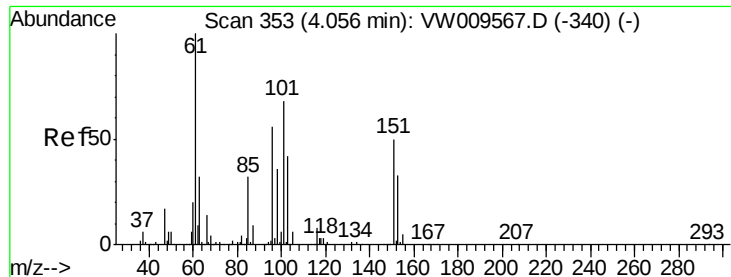
45 117.2 50.6 151.9



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: 5.614 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

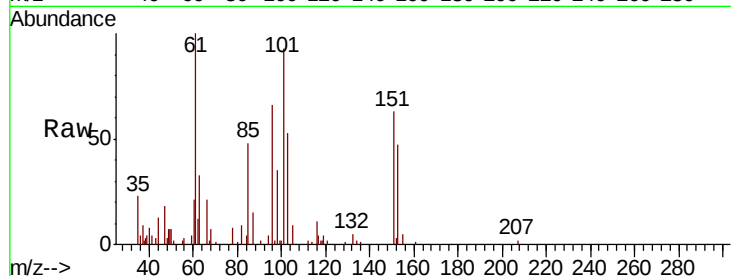
Tgt Ion:101 Resp: 15543

Ion Ratio Lower Upper

101 100

85 50.6 35.1 52.7

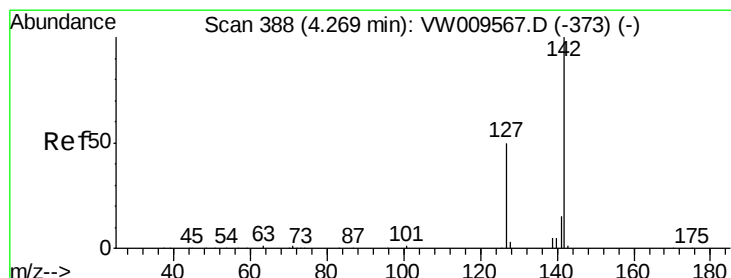
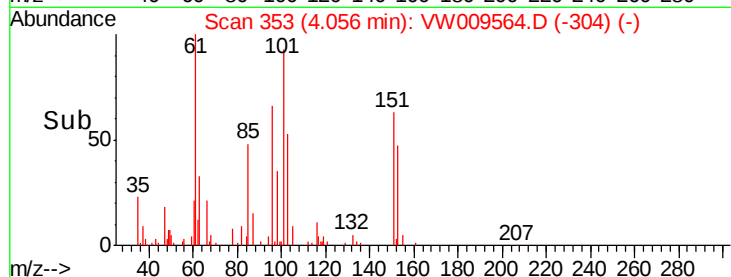
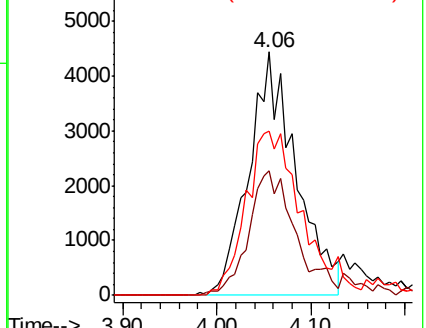
151 79.5 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.455 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

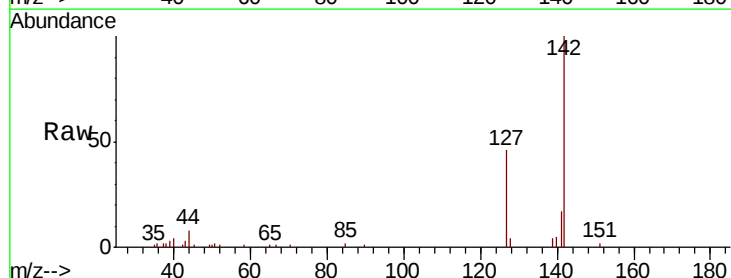
Tgt Ion:142 Resp: 21215

Ion Ratio Lower Upper

142 100

127 47.7 35.9 53.9

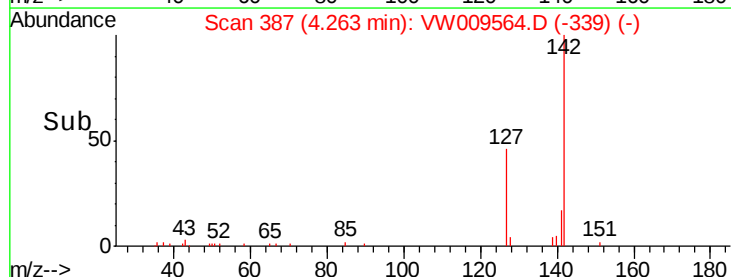
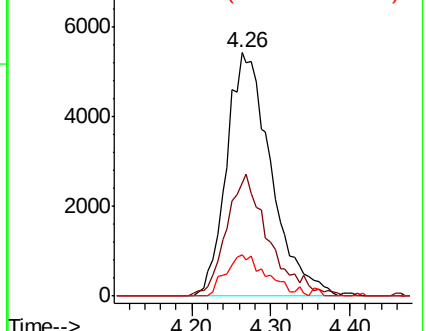
141 15.9 11.4 17.2

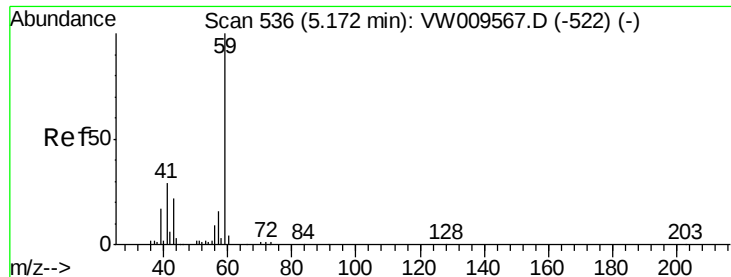


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

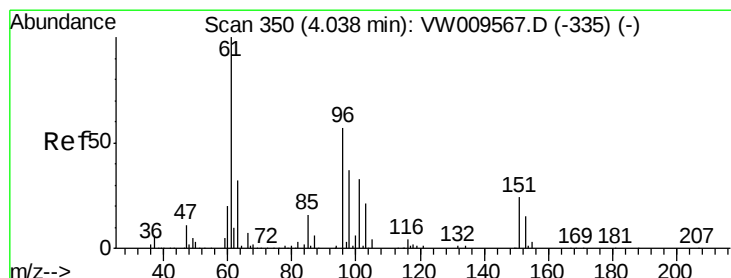
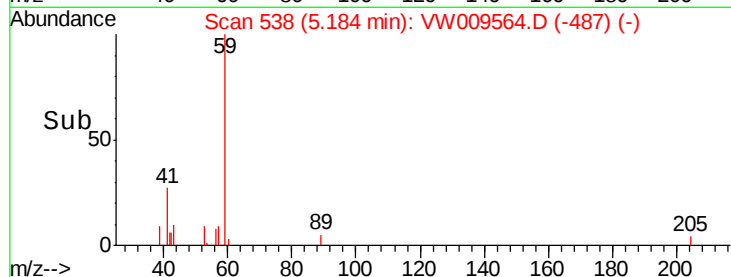
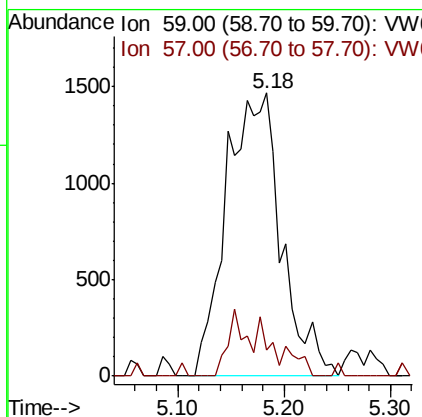
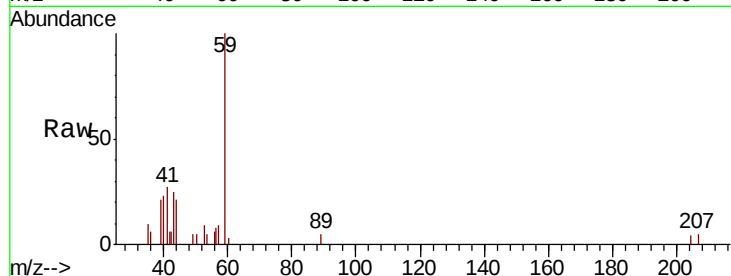




#11
Tert butyl alcohol
Concen: 29.275 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

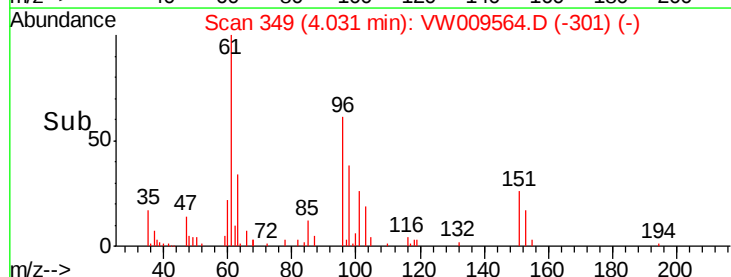
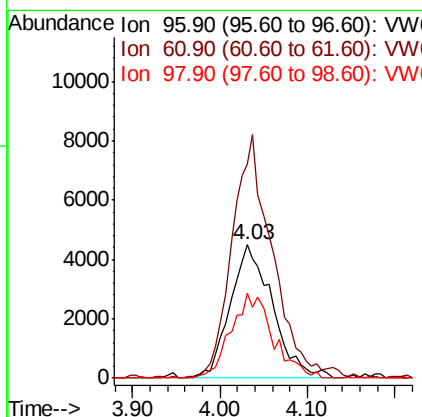
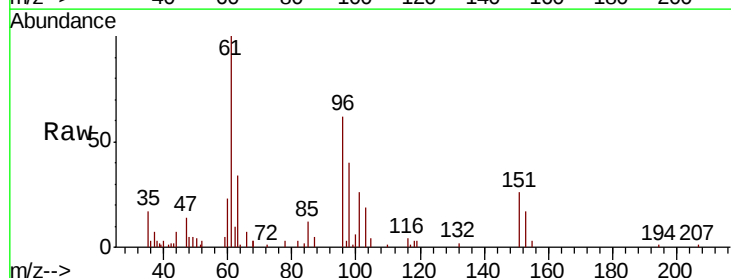
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

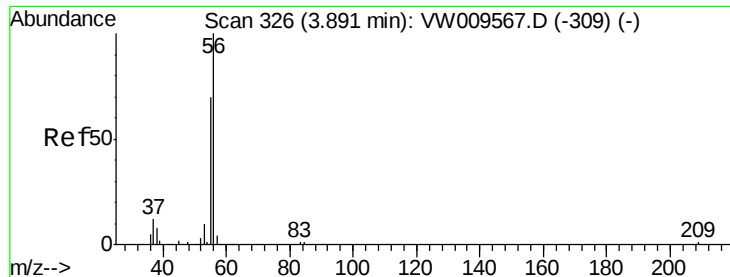
Tgt Ion: 59 Resp: 5279
Ion Ratio Lower Upper
59 100
57 3.4 9.4 14.0#



#12
1,1-Dichloroethene
Concen: 5.752 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 96 Resp: 15111
Ion Ratio Lower Upper
96 100
61 159.9 138.0 207.0
98 64.1 49.8 74.8





#13

Acrolein

Concen: 25.646 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

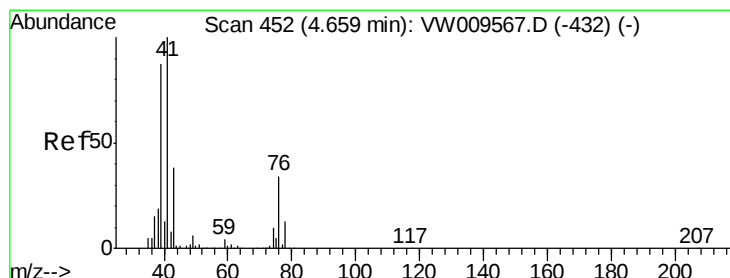
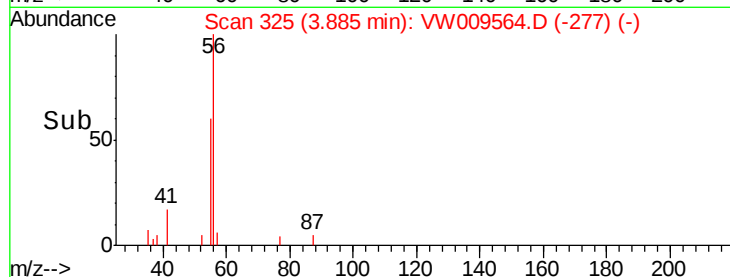
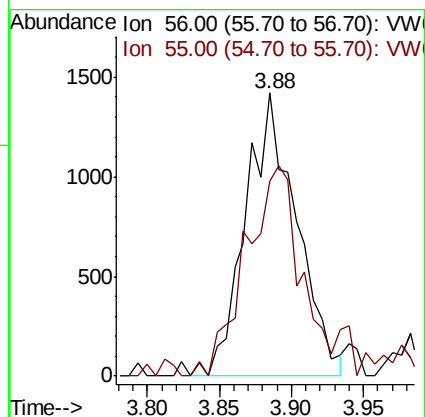
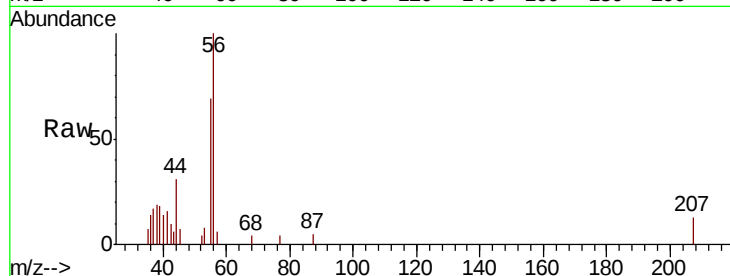
VSTDIC005

Tgt Ion: 56 Resp: 3500

Ion Ratio Lower Upper

56 100

55 79.4 55.2 82.8



#14

Allyl chloride

Concen: 5.327 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

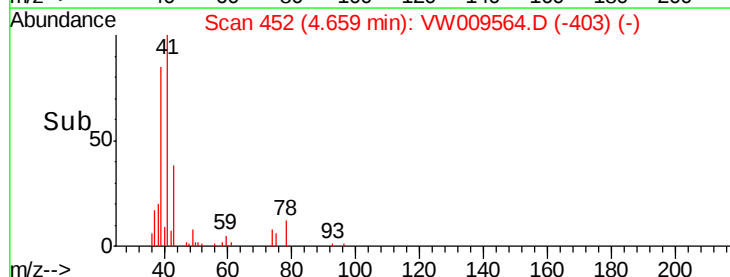
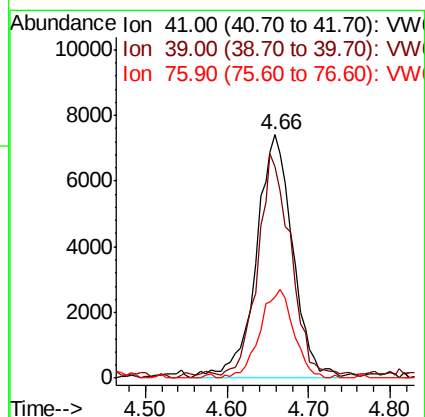
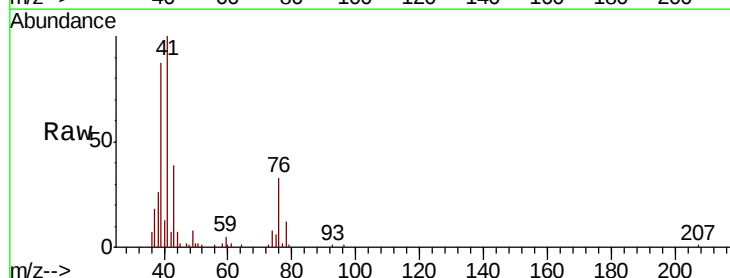
Tgt Ion: 41 Resp: 23081

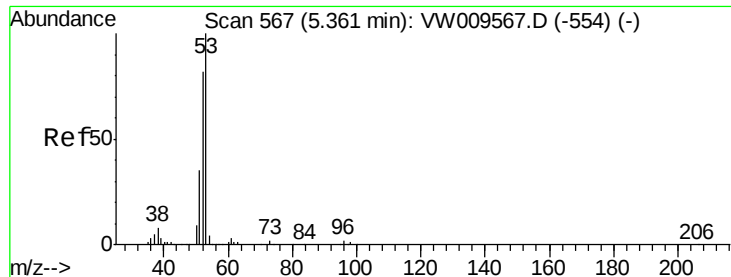
Ion Ratio Lower Upper

41 100

39 81.1 63.8 95.6

76 33.5 27.8 41.6





#15

Acrylonitrile

Concen: 26.710 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

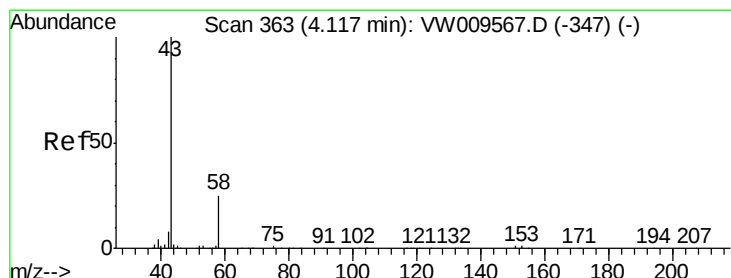
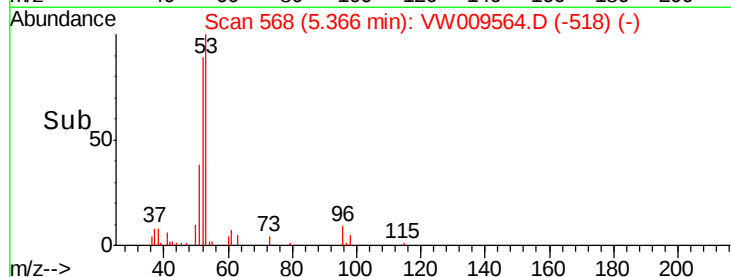
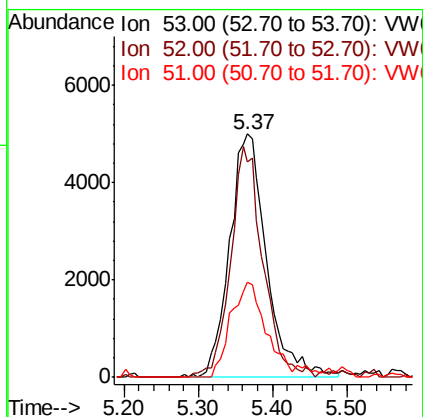
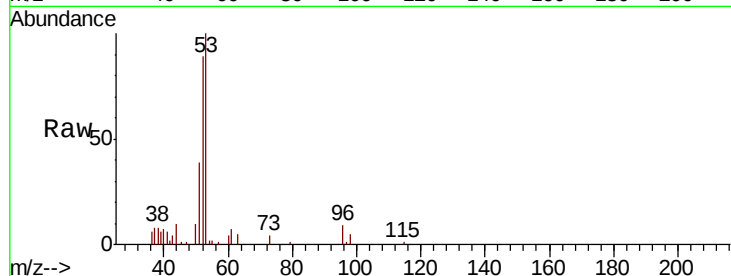
Tgt Ion: 53 Resp: 17341

Ion Ratio Lower Upper

53 100

52 82.9 67.6 101.4

51 37.2 30.6 45.8



#16

Acetone

Concen: 28.102 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009564.D

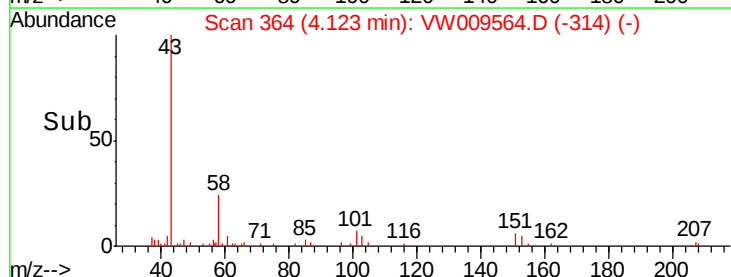
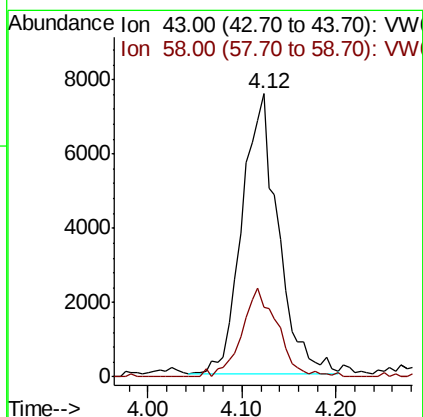
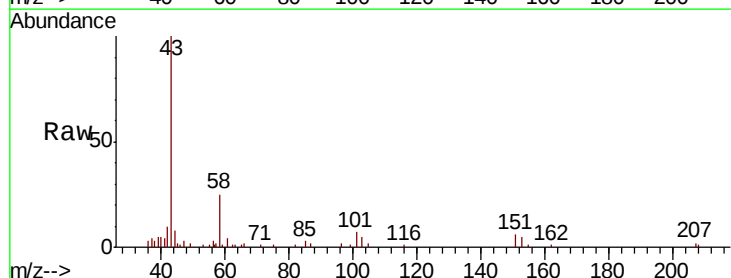
Acq: 29 Mar 2019 09:54

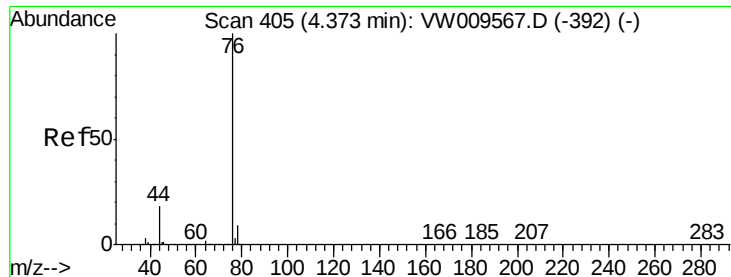
Tgt Ion: 43 Resp: 20423

Ion Ratio Lower Upper

43 100

58 24.9 23.6 35.4





#17

Carbon Disulfide

Concen: 5.951 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

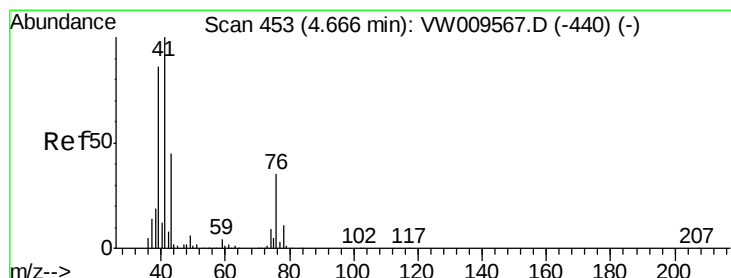
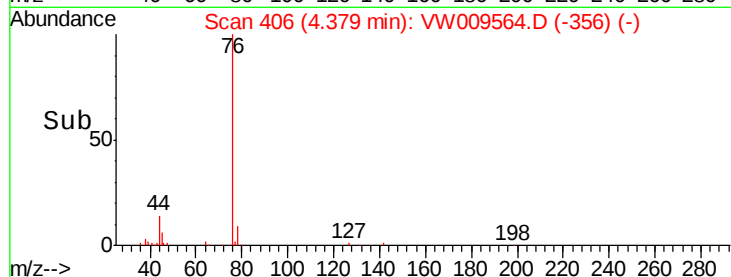
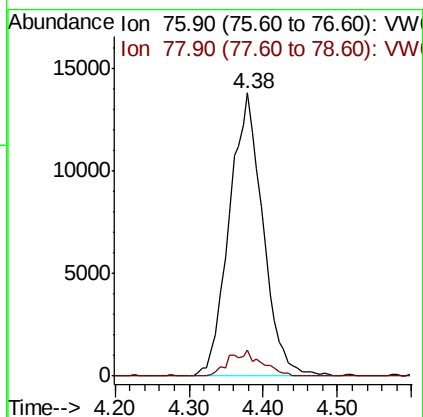
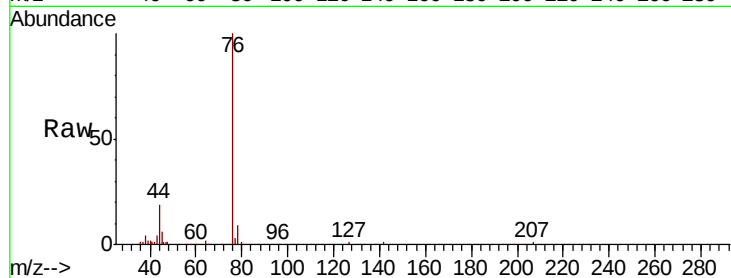
VSTDIC005

Tgt Ion: 76 Resp: 43672

Ion Ratio Lower Upper

76 100

78 9.4 6.6 9.8



#18

Methyl Acetate

Concen: 6.324 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009564.D

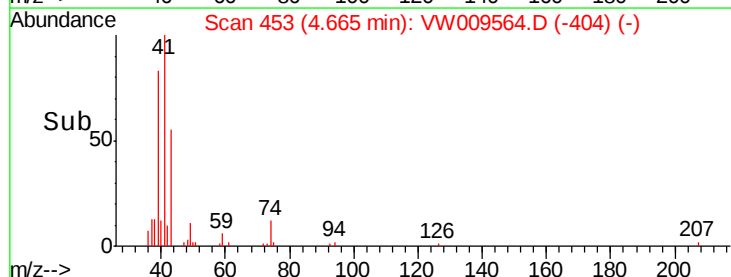
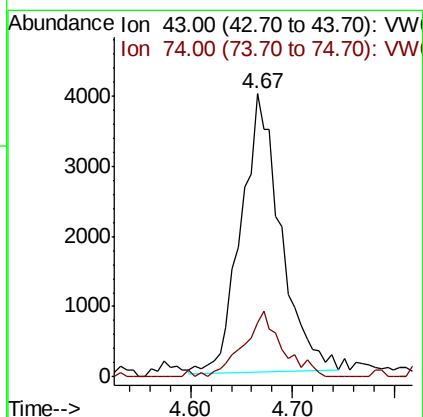
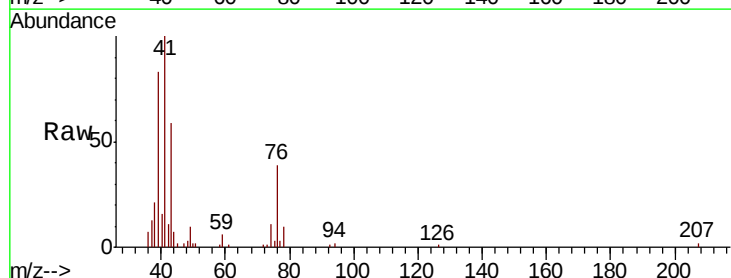
Acq: 29 Mar 2019 09:54

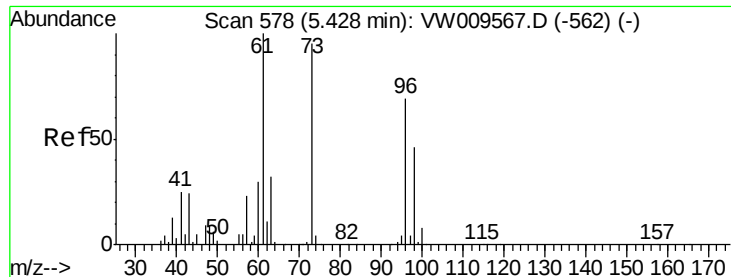
Tgt Ion: 43 Resp: 10735

Ion Ratio Lower Upper

43 100

74 22.8 17.7 26.5

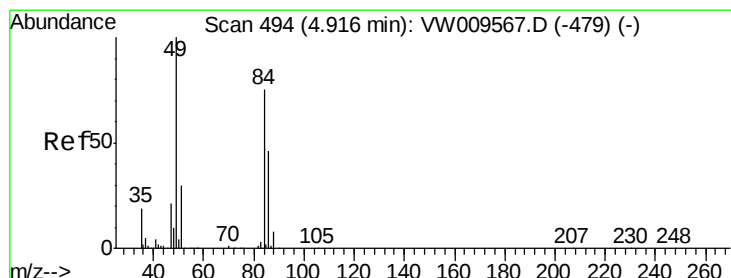
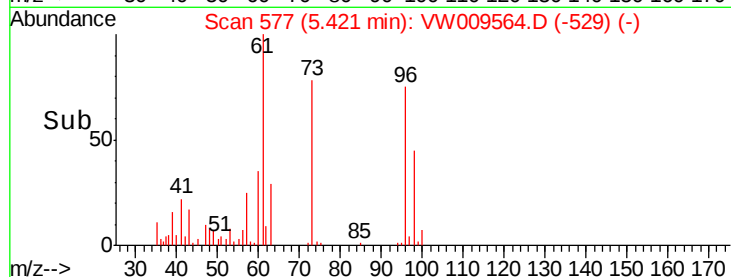
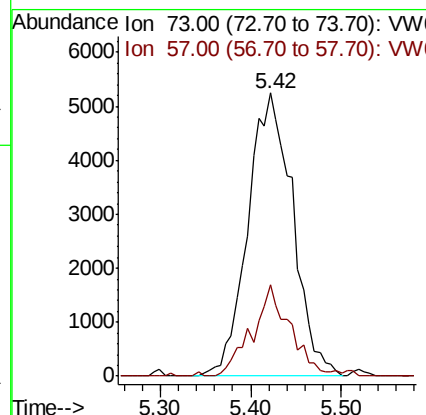
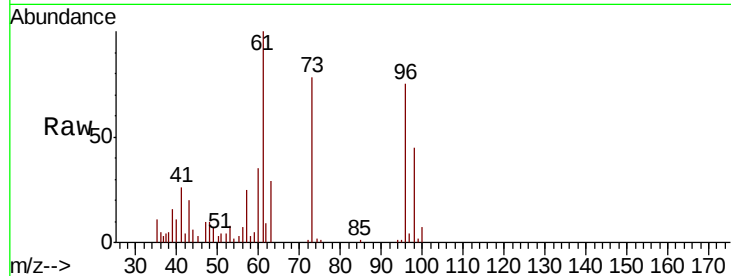




#19
Methyl tert-butyl Ether
Concen: 4.740 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

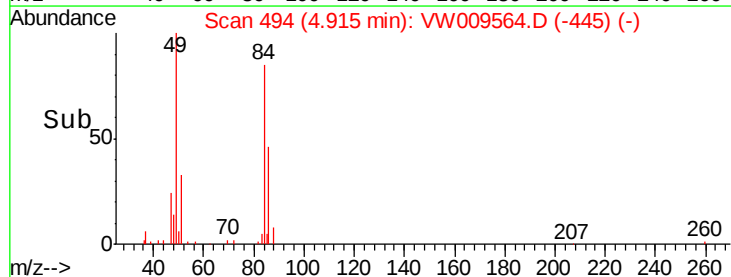
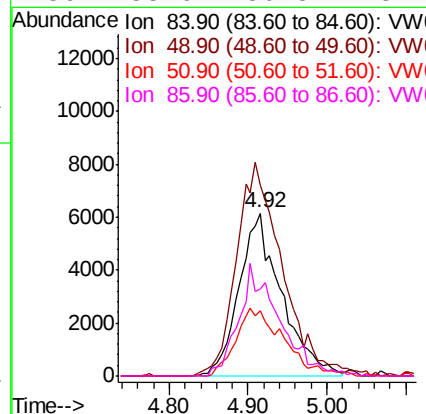
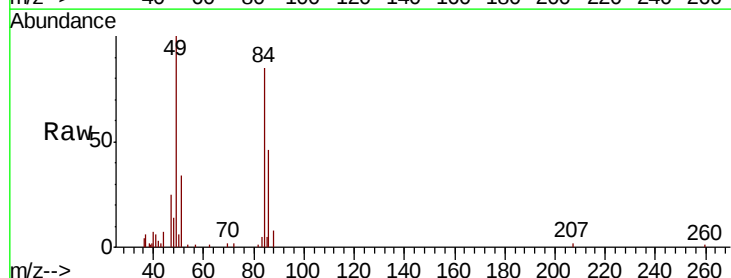
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

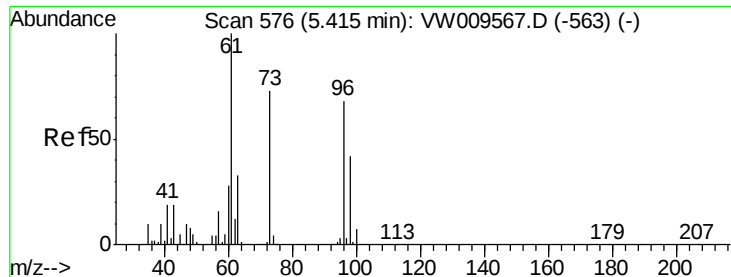
Tgt Ion: 73 Resp: 17992
Ion Ratio Lower Upper
73 100
57 32.2 17.0 25.6#



#20
Methylene Chloride
Concen: 7.996 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 84 Resp: 22927
Ion Ratio Lower Upper
84 100
49 117.1 99.1 148.7
51 39.9 28.7 43.1
86 53.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 5.471 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

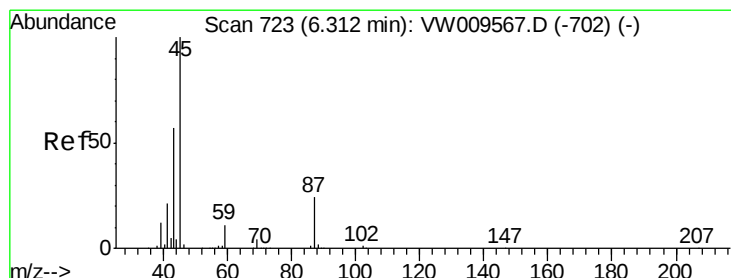
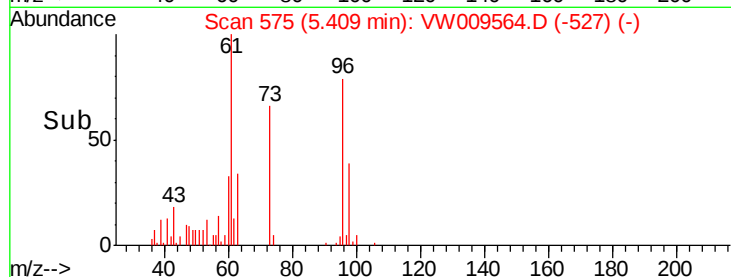
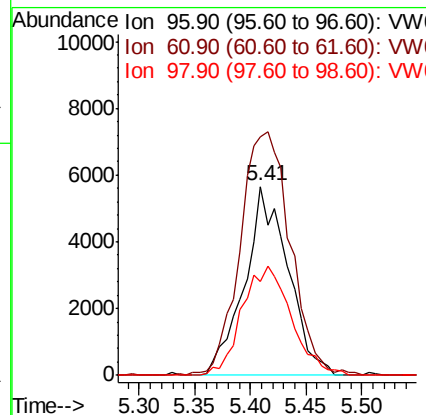
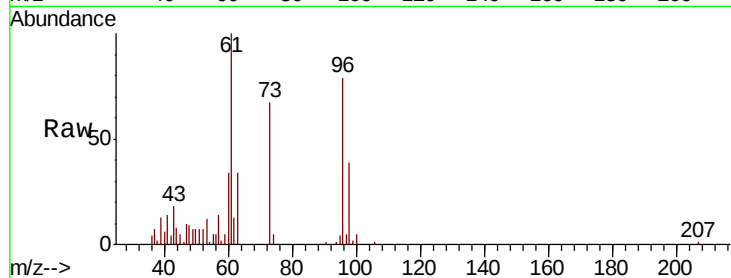
Tgt Ion: 96 Resp: 15446

Ion Ratio Lower Upper

96 100

61 124.2 108.2 162.4

98 49.5 50.9 76.3#



#22

Diisopropyl ether

Concen: 4.672 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Tgt Ion: 45 Resp: 44227

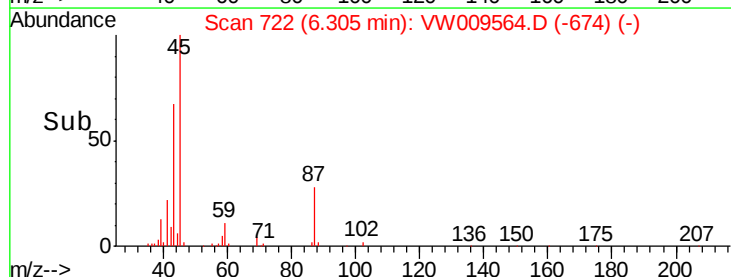
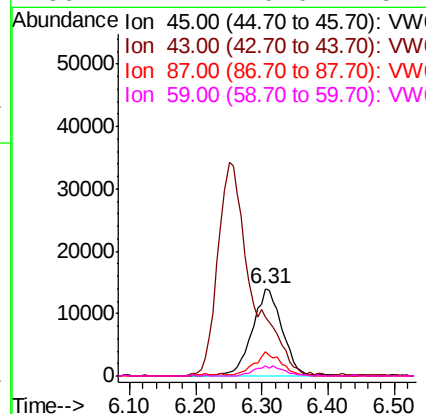
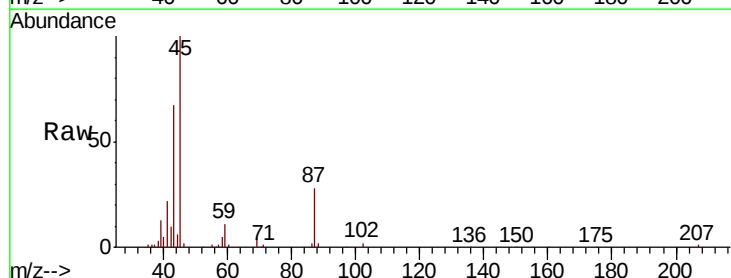
Ion Ratio Lower Upper

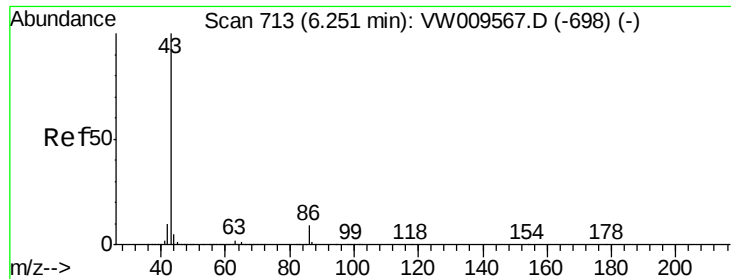
45 100

43 64.6 47.9 71.9

87 27.6 20.6 30.8

59 11.1 9.0 13.4





#23

Vinyl Acetate

Concen: 20.228 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

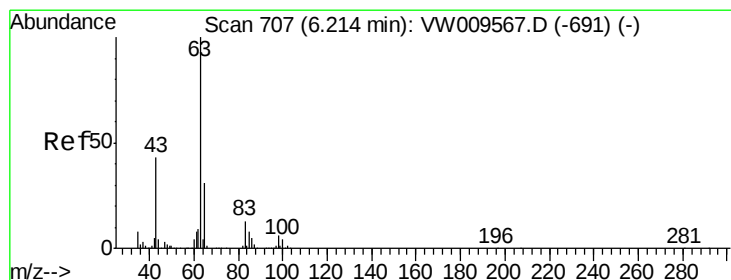
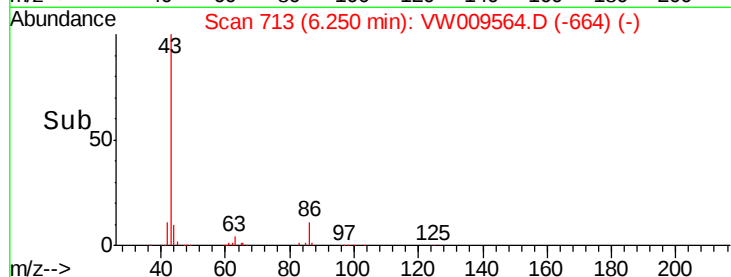
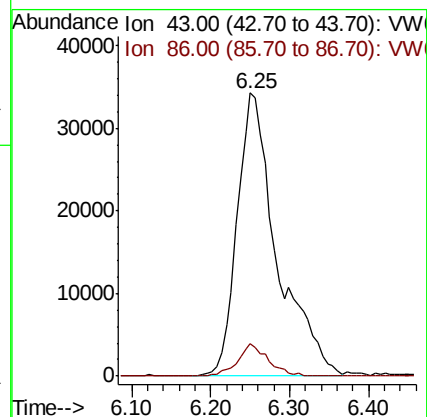
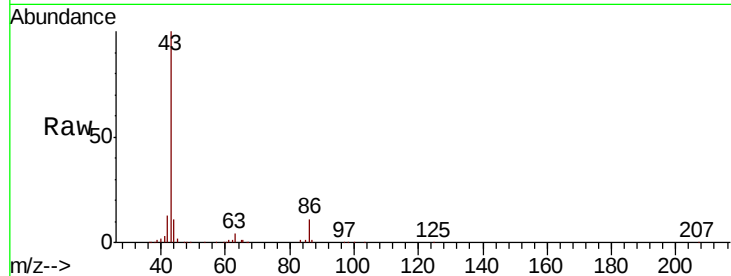
VSTDIC005

Tgt Ion: 43 Resp: 120681

Ion Ratio Lower Upper

43 100

86 11.4 7.7 11.5



#24

1,1-Dichloroethane

Concen: 5.430 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

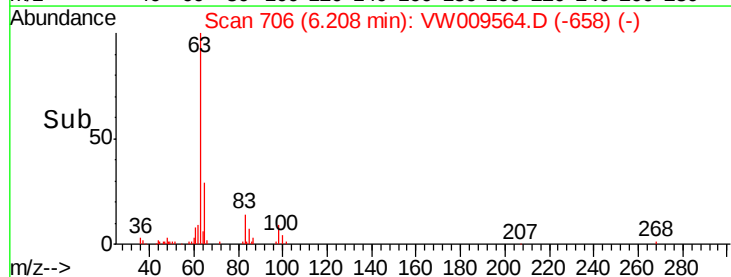
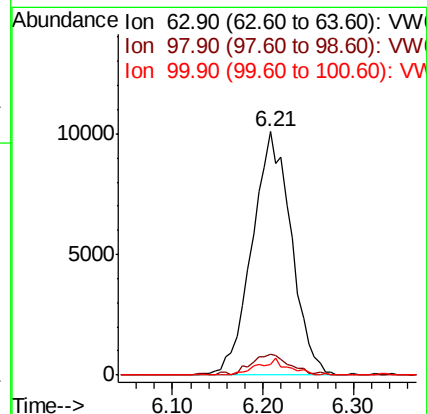
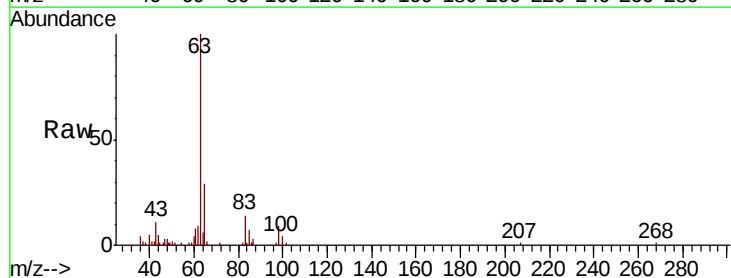
Tgt Ion: 63 Resp: 30117

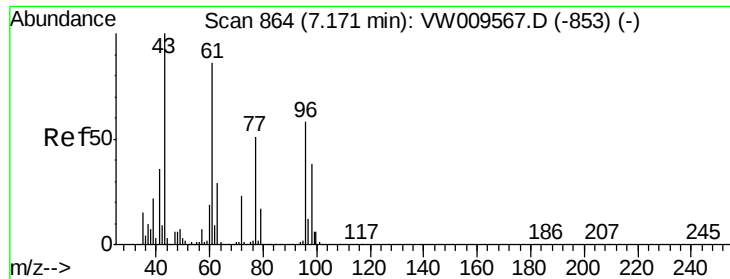
Ion Ratio Lower Upper

63 100

98 8.6 3.7 11.1

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 23.580 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

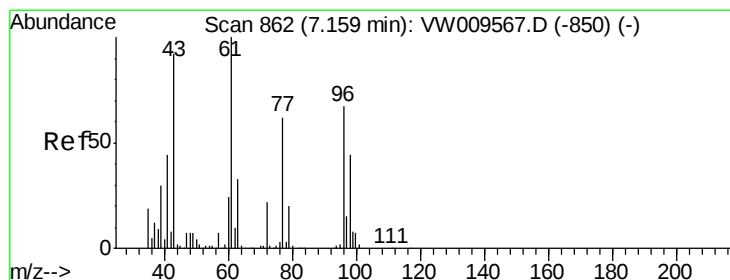
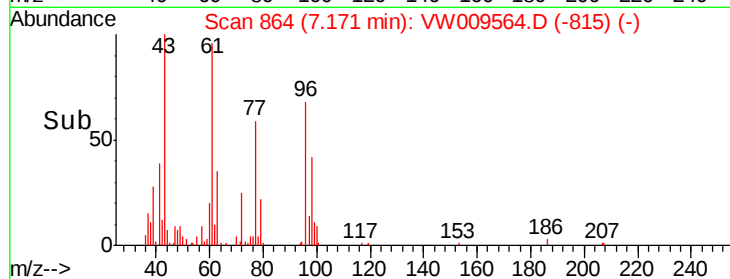
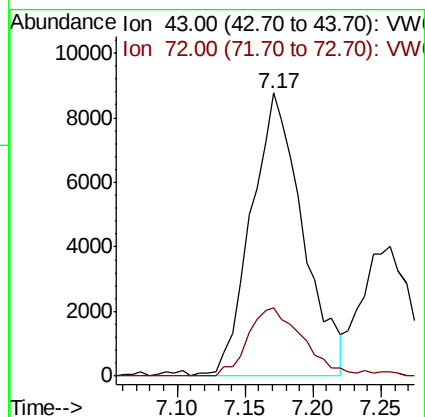
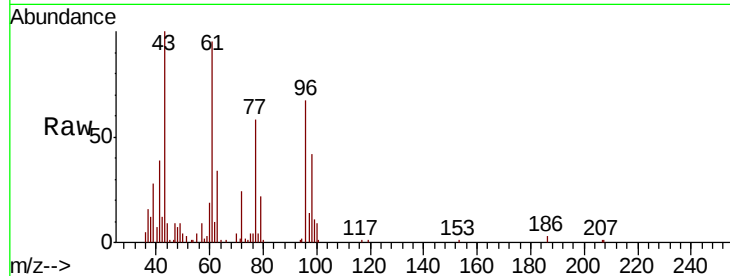
VSTDIC005

Tgt Ion: 43 Resp: 23331

Ion Ratio Lower Upper

43 100

72 24.2 20.0 30.0



#26

2,2-Dichloropropane

Concen: 5.654 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW009564.D

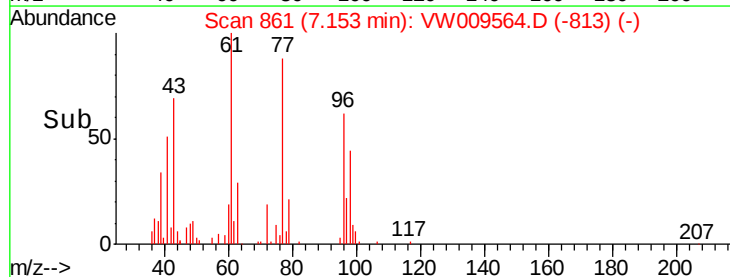
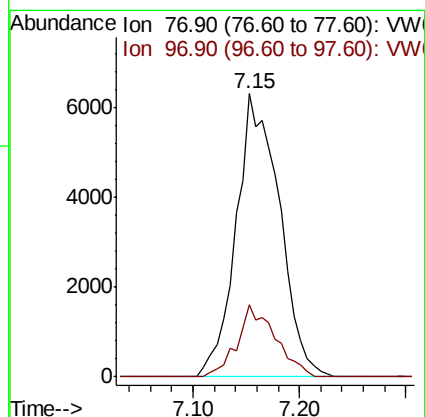
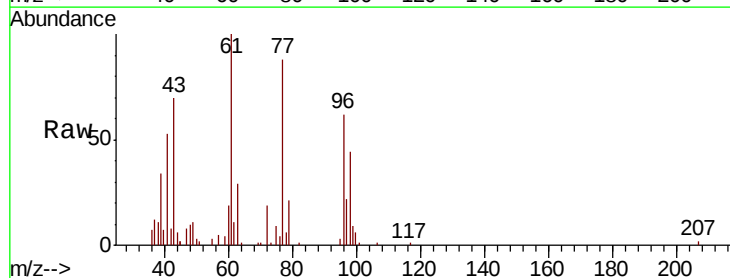
Acq: 29 Mar 2019 09:54

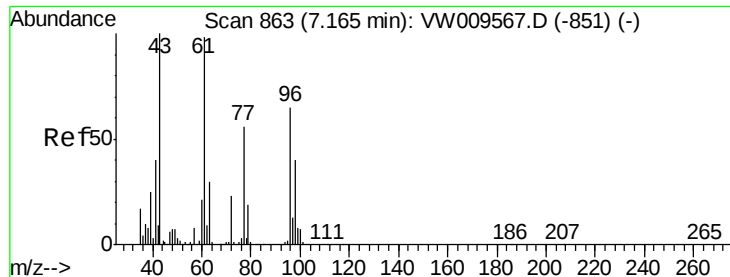
Tgt Ion: 77 Resp: 17941

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 5.160 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

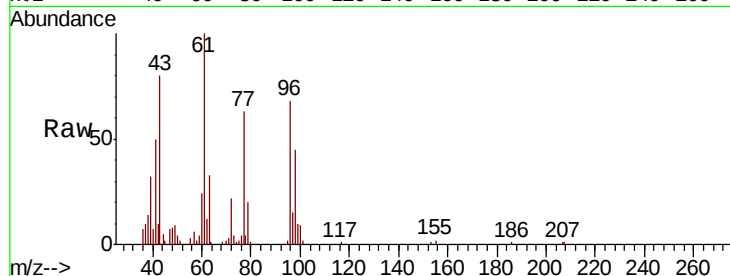
Tgt Ion: 96 Resp: 16137

Ion Ratio Lower Upper

96 100

61 152.4 0.0 289.8

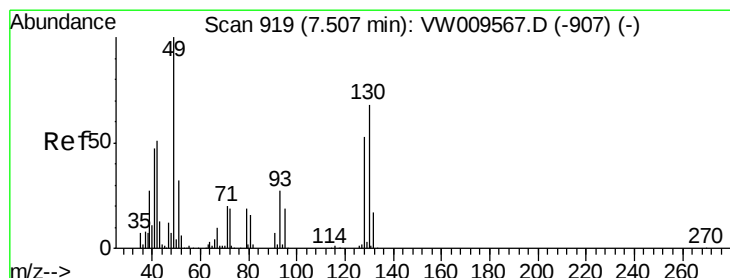
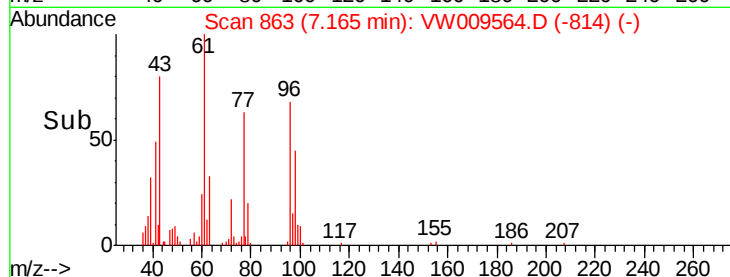
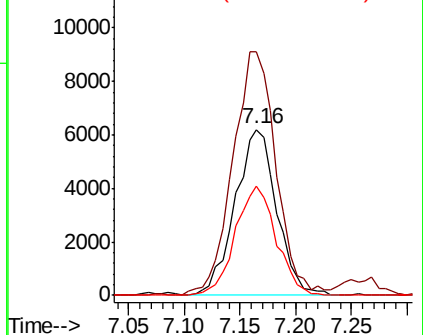
98 64.4 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 5.360 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

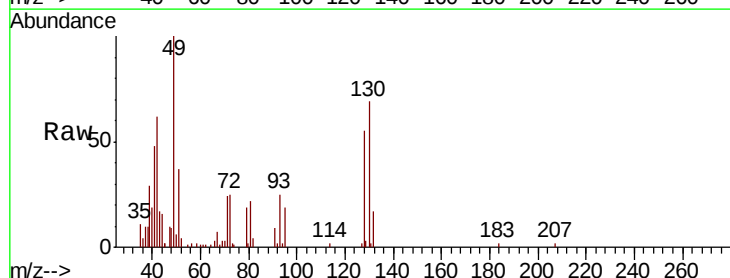
Tgt Ion: 49 Resp: 12545

Ion Ratio Lower Upper

49 100

129 1.0 0.0 1.4

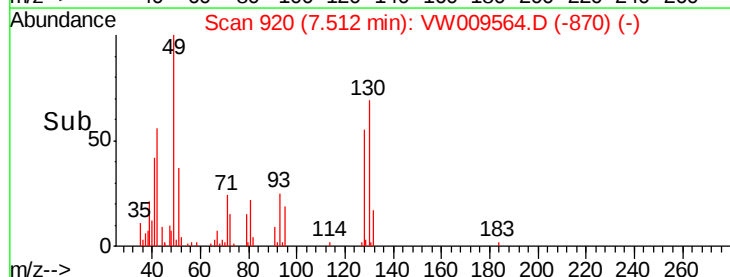
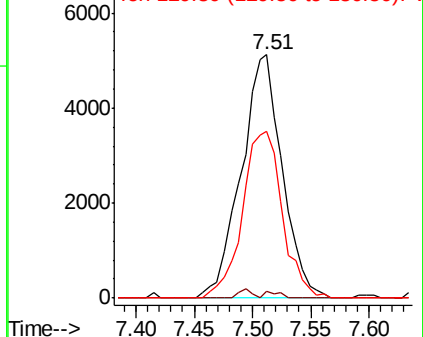
130 66.7 58.6 88.0

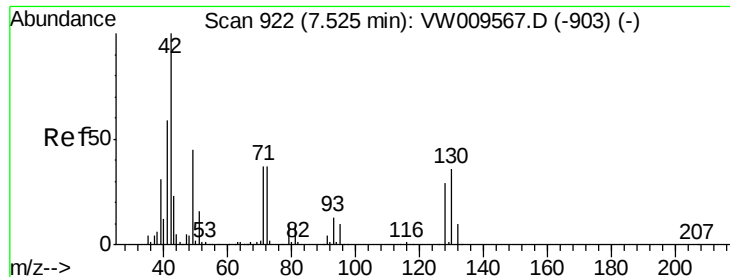


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

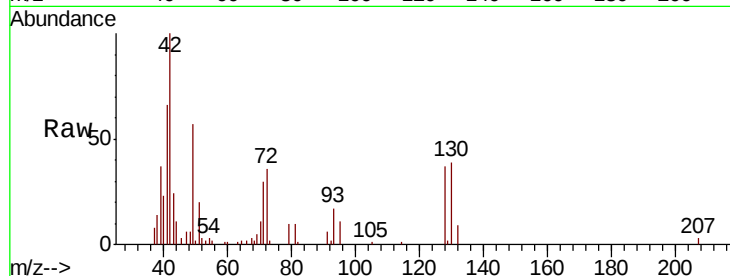




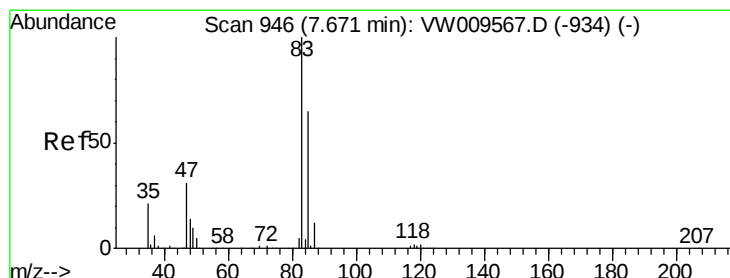
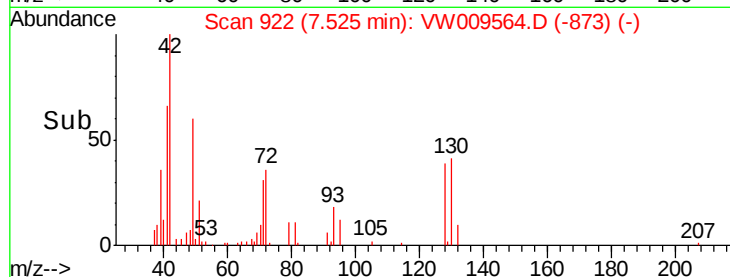
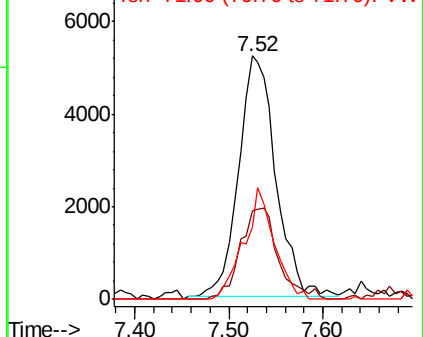
#29
Tetrahydrofuran
Concen: 23.248 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 42 Resp: 14399
Ion Ratio Lower Upper
42 100
72 38.5 32.4 48.6
71 37.7 30.1 45.1

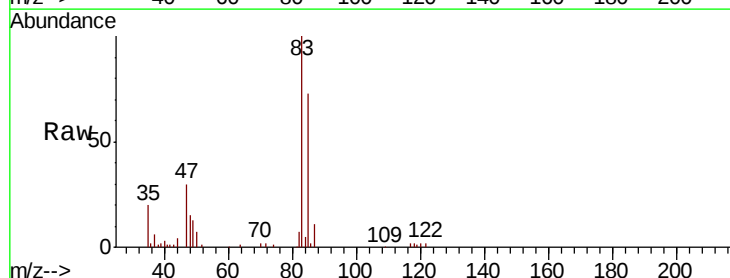


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

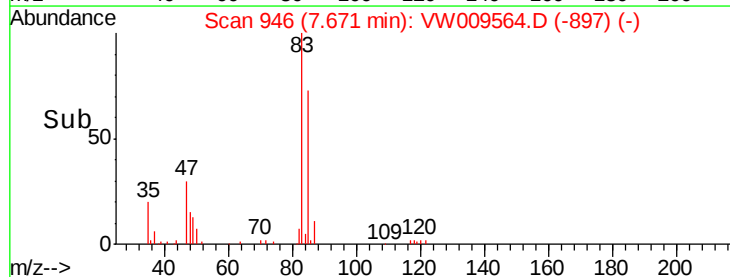
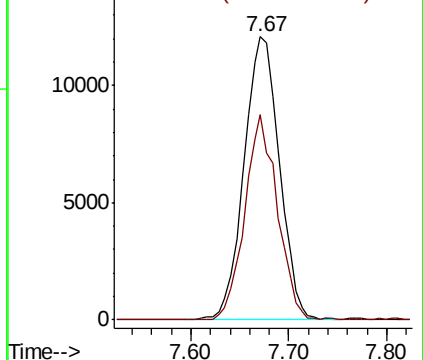


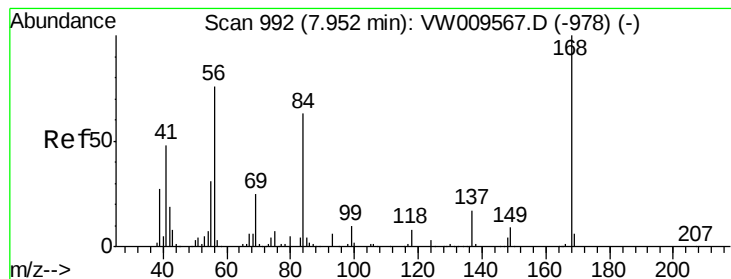
#30
Chloroform
Concen: 5.320 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 83 Resp: 30347
Ion Ratio Lower Upper
83 100
85 72.5 51.0 76.6



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





#31

Cyclohexane

Concen: 6.485 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

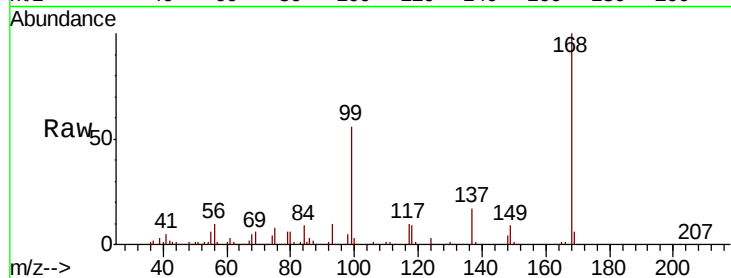
Tgt Ion: 56 Resp: 32111

Ion Ratio Lower Upper

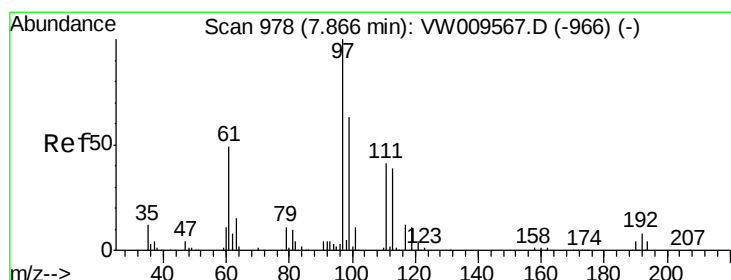
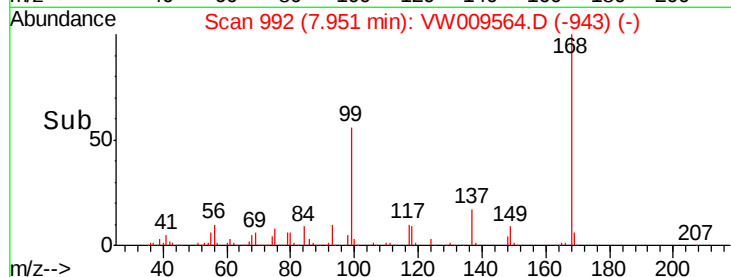
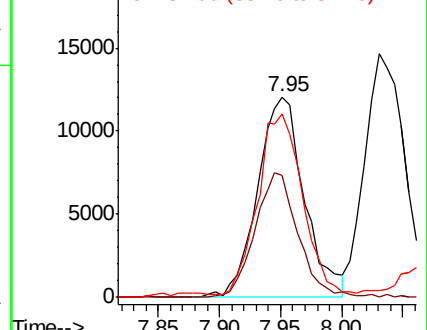
56 100

69 60.7 26.1 39.1#

84 89.3 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 5.486 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

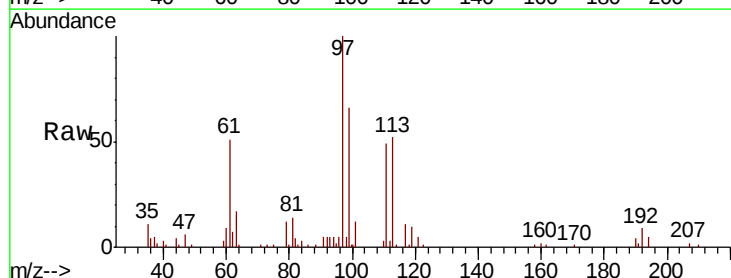
Tgt Ion: 97 Resp: 25485

Ion Ratio Lower Upper

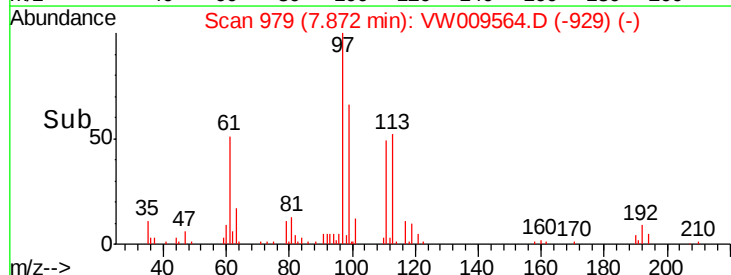
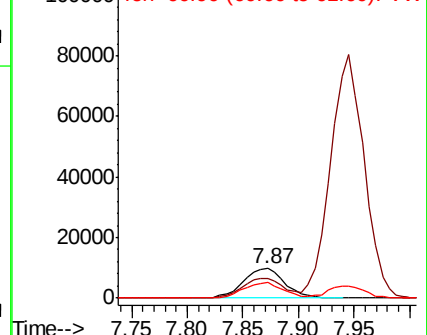
97 100

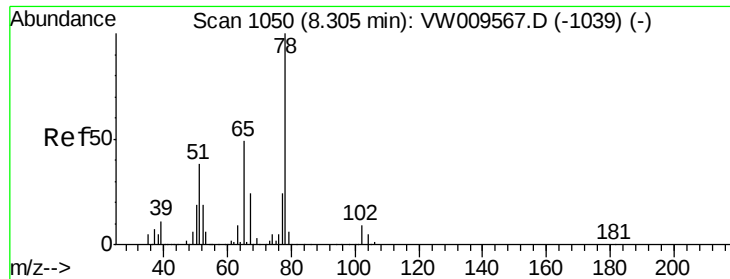
99 66.4 51.9 77.9

61 50.6 36.8 55.2



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

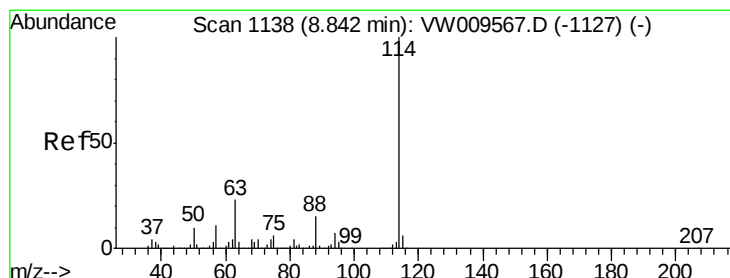
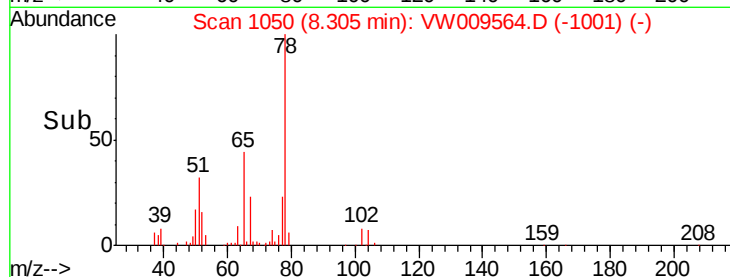
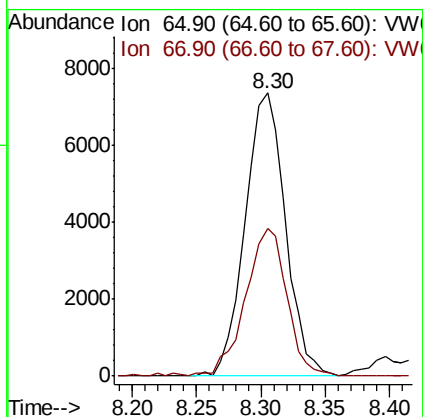
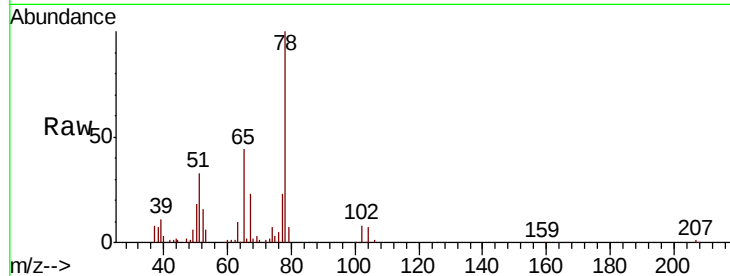




#33
 1,2-Dichloroethane-d4
 Concen: 4.879 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

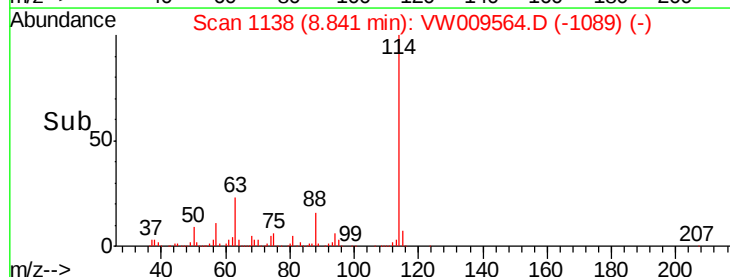
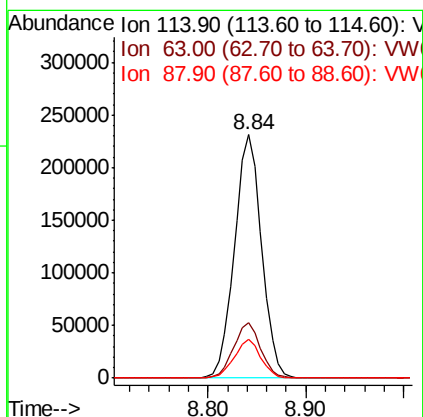
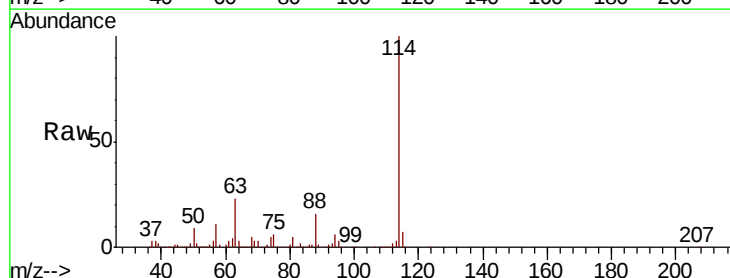
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

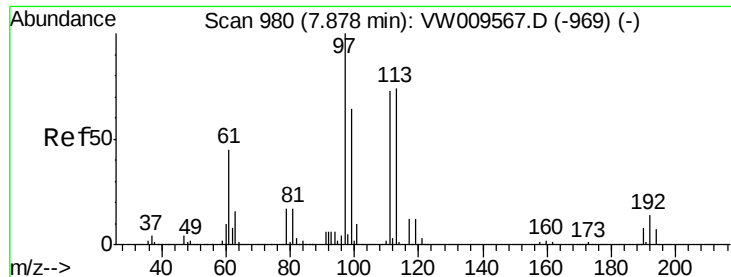
Tgt Ion: 65 Resp: 15935
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion: 114 Resp: 444342
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 42.2
 88 16.1 0.0 30.8

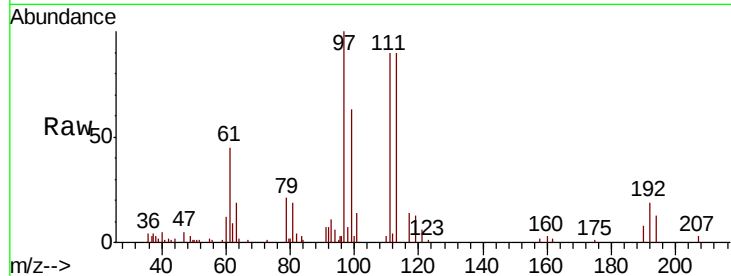




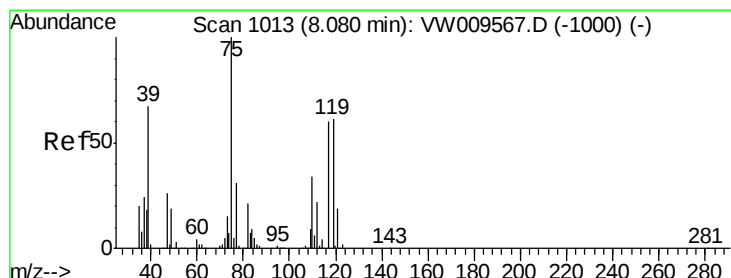
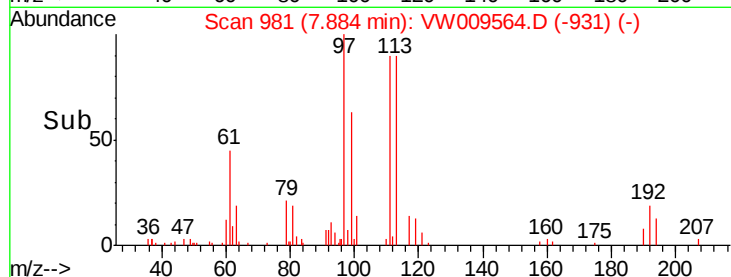
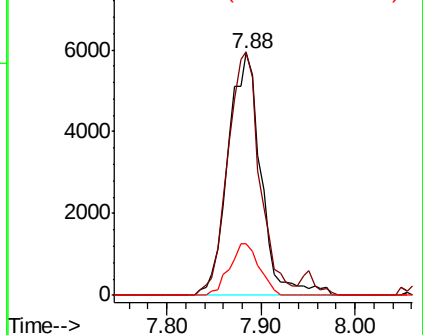
#35
 Dibromofluoromethane
 Concen: 5.150 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 113 Resp: 14445
 Ion Ratio Lower Upper
 113 100
 111 97.4 82.6 124.0
 192 19.2 16.4 24.6

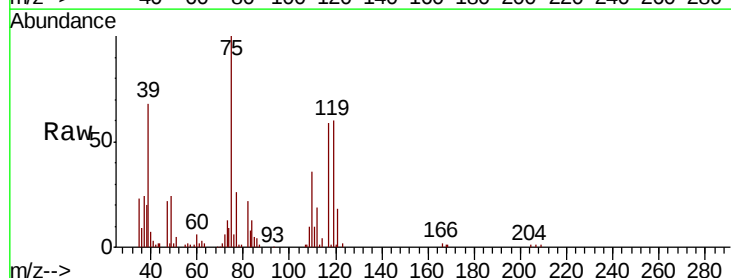


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

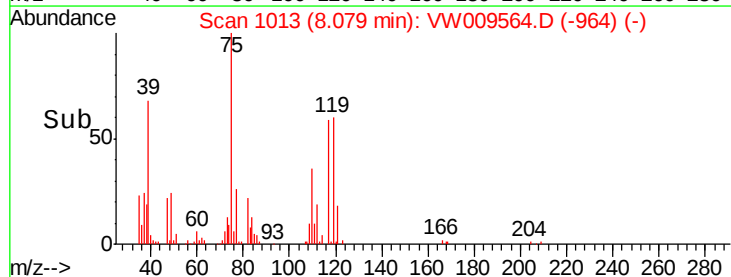
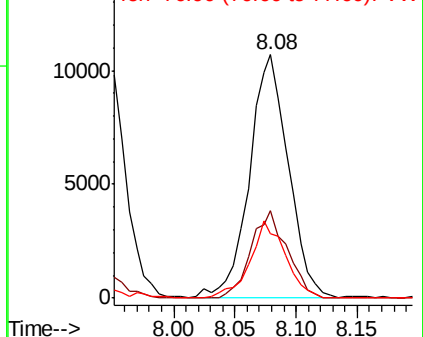


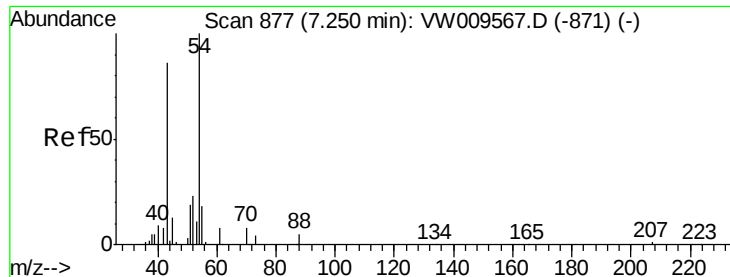
#36
 1,1-Dichloropropene
 Concen: 5.135 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion: 75 Resp: 23749
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.8 50.4
 77 28.8 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

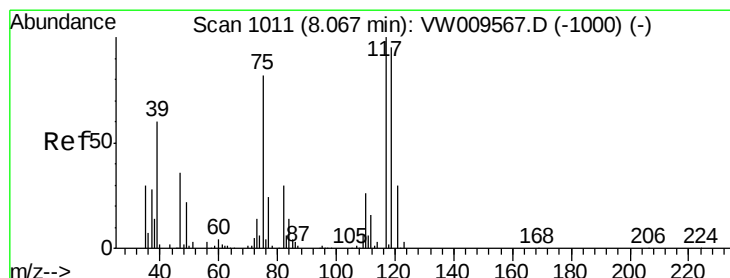
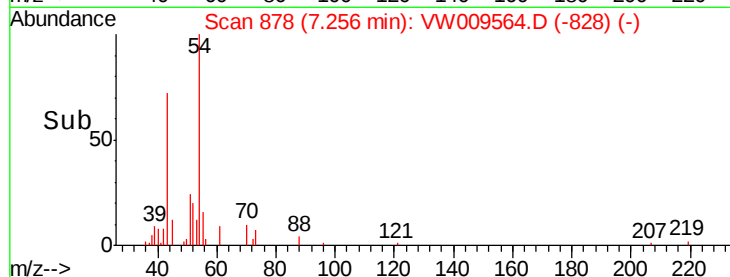
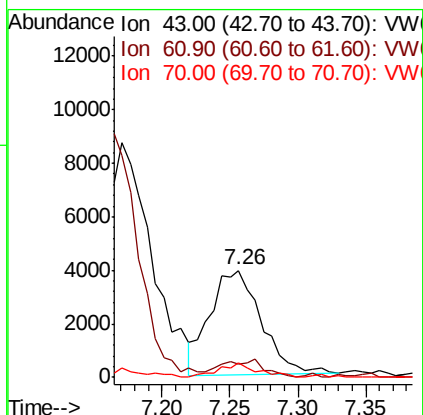
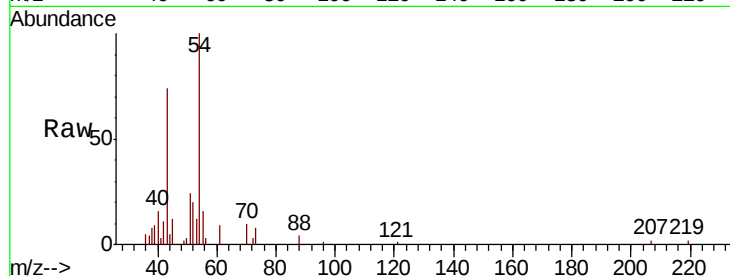




#37
Ethyl Acetate
Concen: 4.710 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

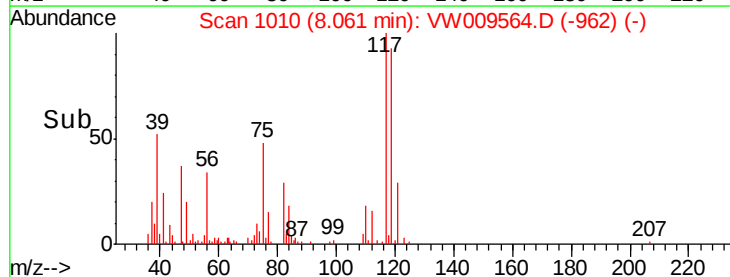
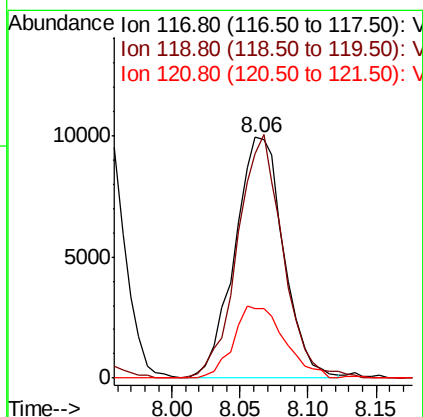
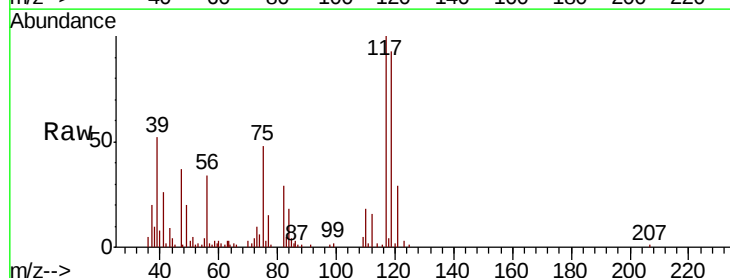
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

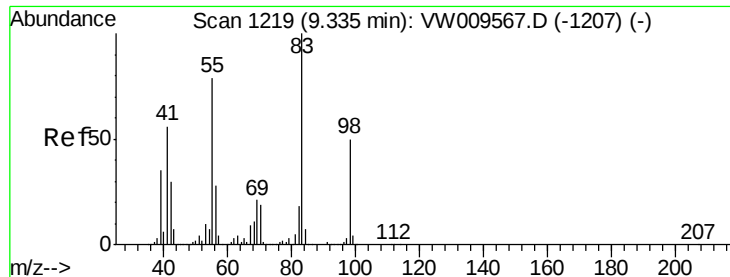
Tgt Ion: 43 Resp: 10232
Ion Ratio Lower Upper
43 100
61 14.6 10.0 15.0
70 10.1 7.3 10.9



#38
Carbon Tetrachloride
Concen: 5.322 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 117 Resp: 24922
Ion Ratio Lower Upper
117 100
119 92.4 75.4 113.0
121 29.1 24.9 37.3

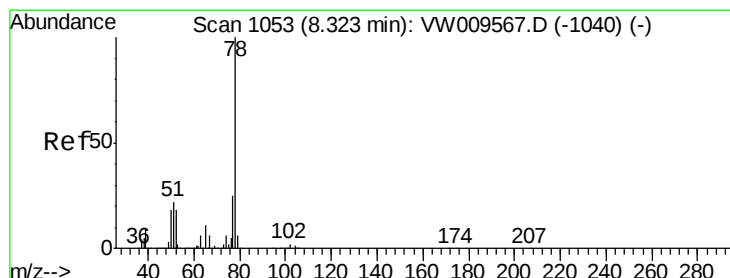
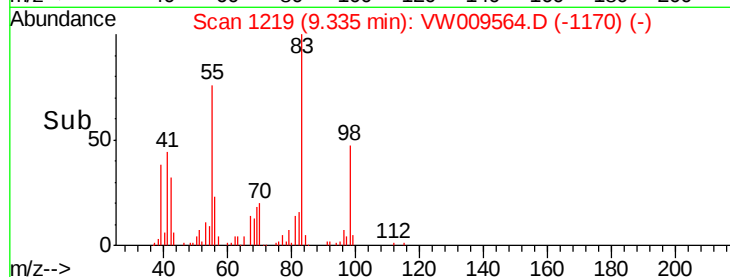
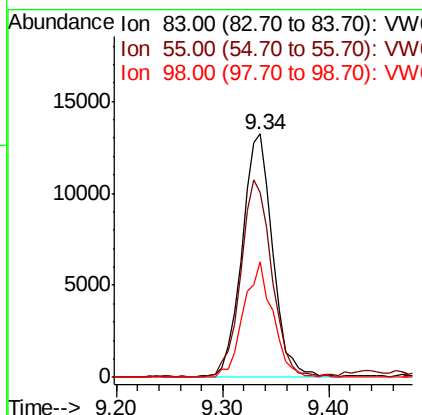
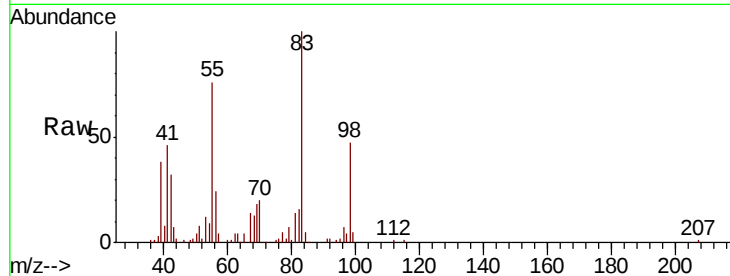




#39
Methylcyclohexane
Concen: 5.026 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

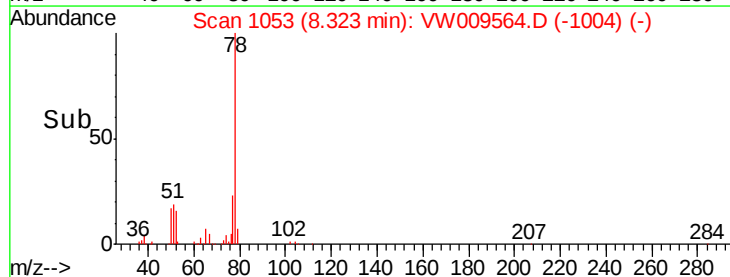
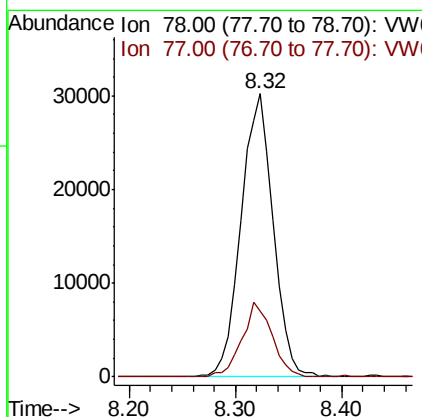
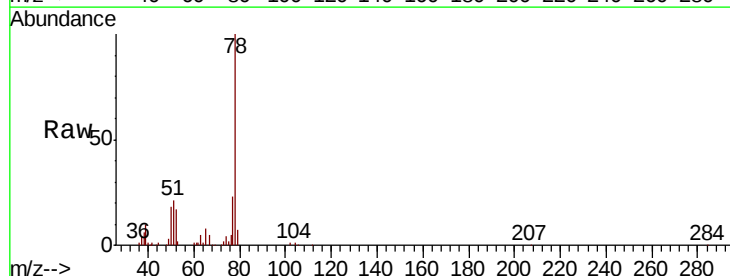
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

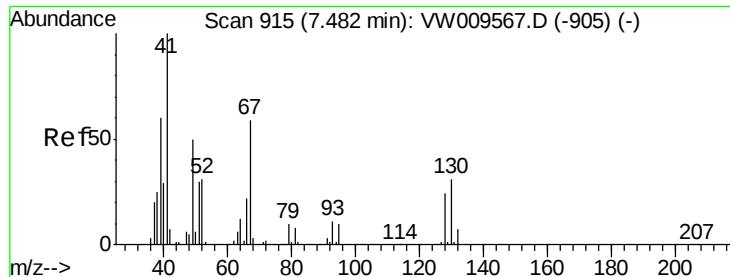
Tgt Ion: 83 Resp: 26779
Ion Ratio Lower Upper
83 100
55 75.7 61.1 91.7
98 47.5 39.0 58.4



#40
Benzene
Concen: 5.135 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 78 Resp: 64235
Ion Ratio Lower Upper
78 100
77 23.3 19.8 29.6

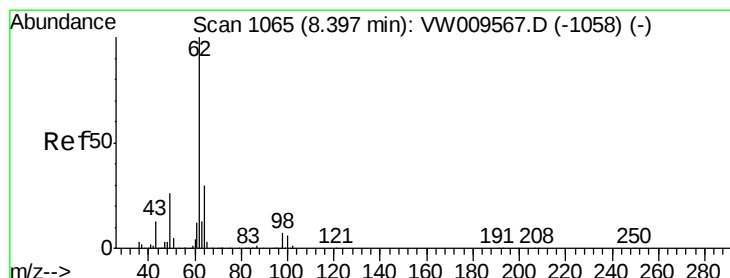
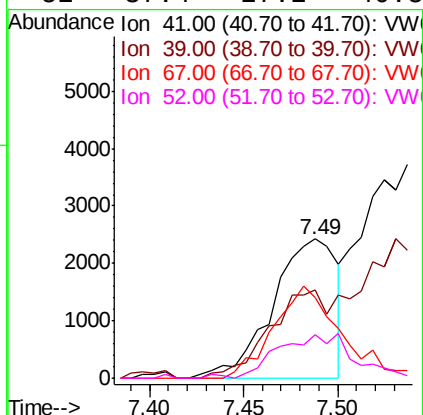
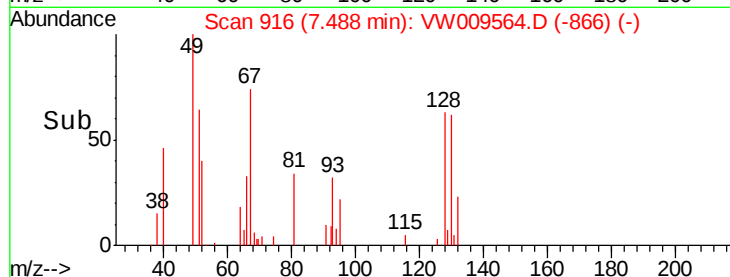
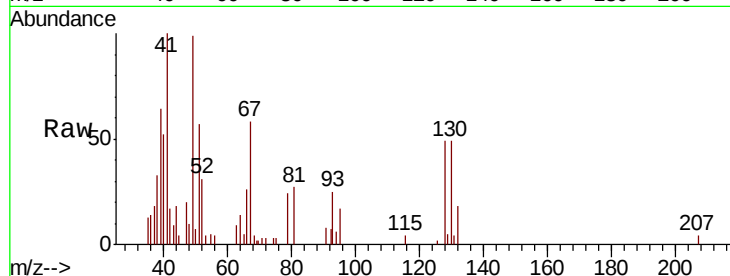




#41
Methacrylonitrile
Concen: 4.462 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

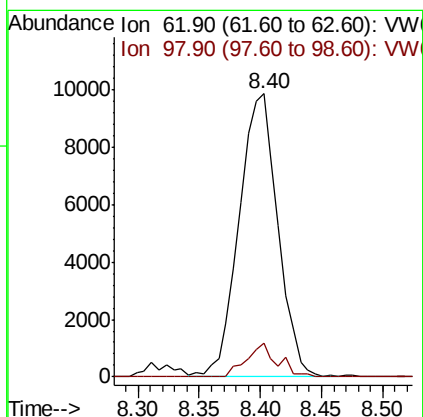
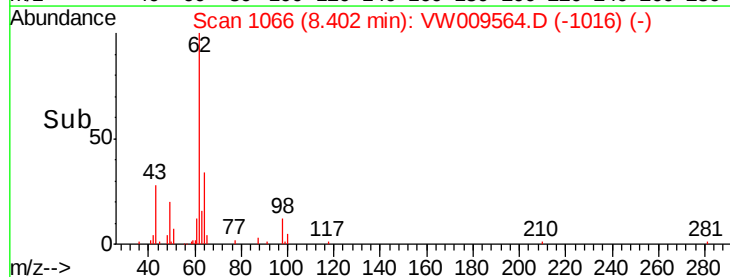
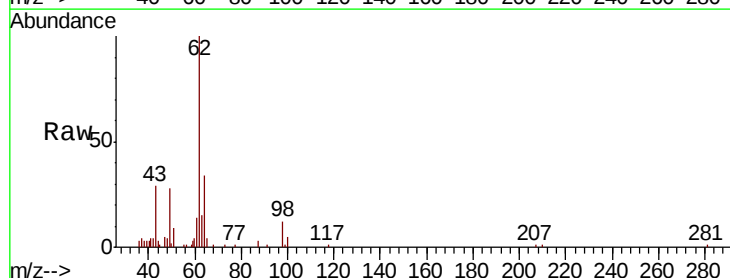
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

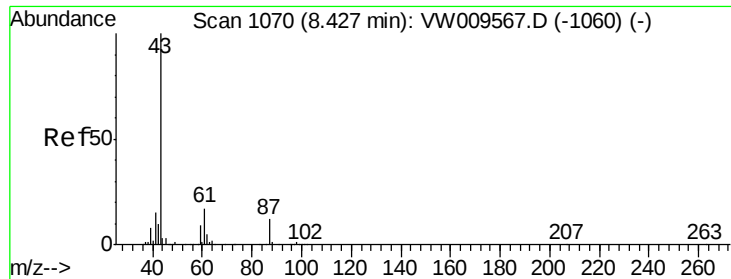
Tgt Ion:	41	Resp:	5767
Ion	Ratio	Lower	Upper
41	100		
39	55.1	52.5	78.7
67	70.3	56.6	84.8
52	37.4	27.2	40.8



#42
1,2-Dichloroethane
Concen: 5.209 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion:	62	Resp:	21745
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.4





#43

Isopropyl Acetate

Concen: 5.035 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

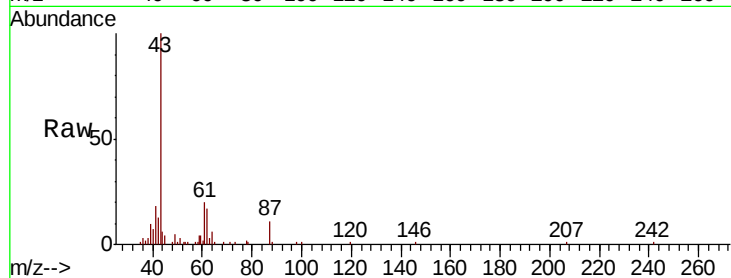
Tgt Ion: 43 Resp: 21192

Ion Ratio Lower Upper

43 100

61 28.5 22.2 33.2

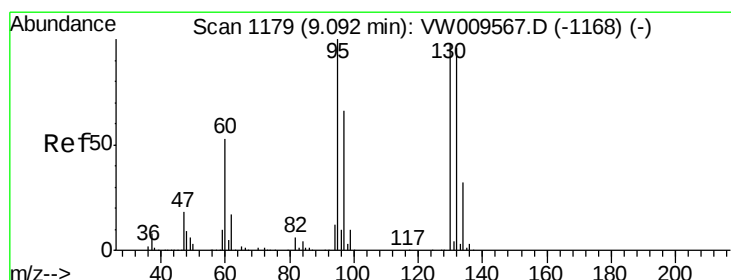
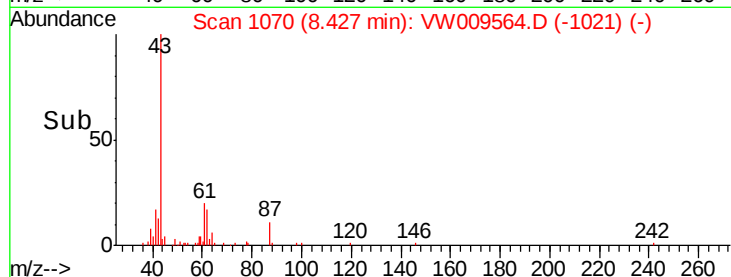
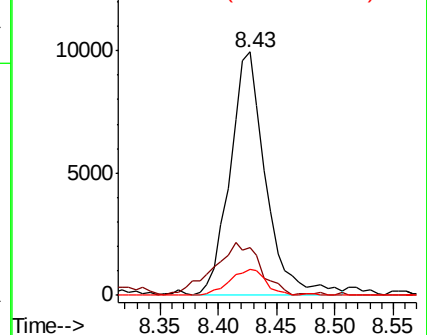
87 10.6 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 5.160 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009564.D

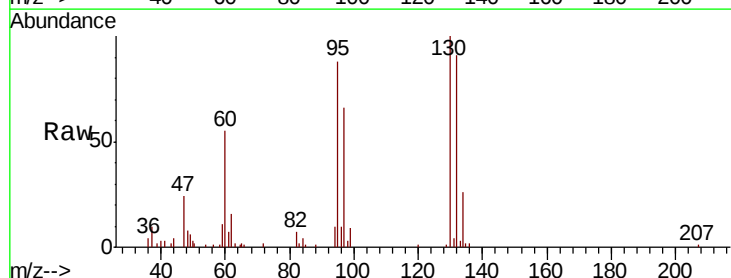
Acq: 29 Mar 2019 09:54

Tgt Ion: 130 Resp: 16657

Ion Ratio Lower Upper

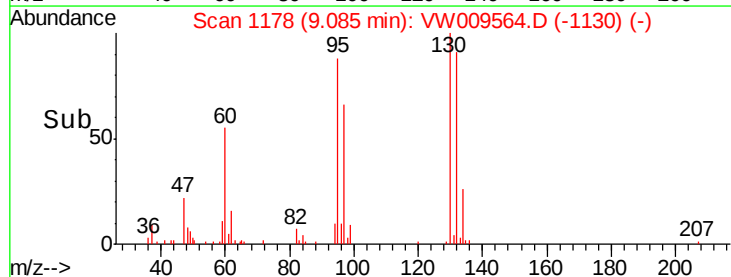
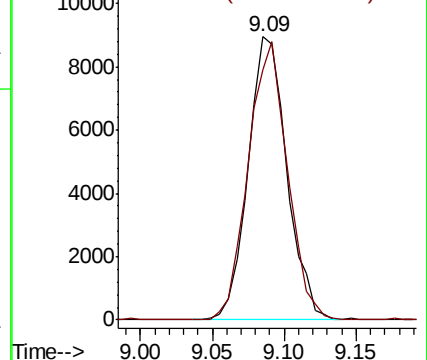
130 100

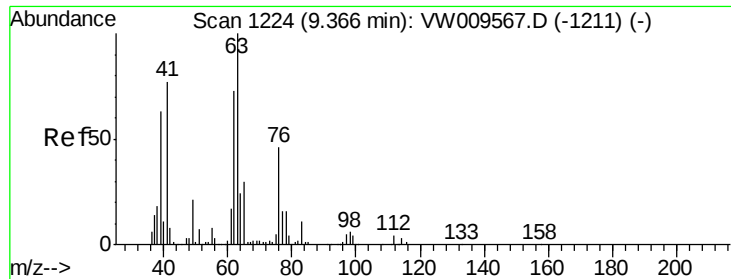
95 88.2 0.0 192.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

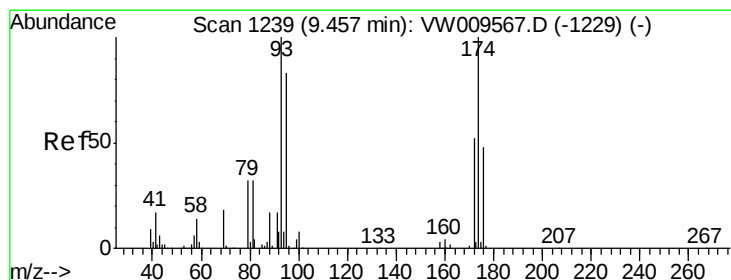
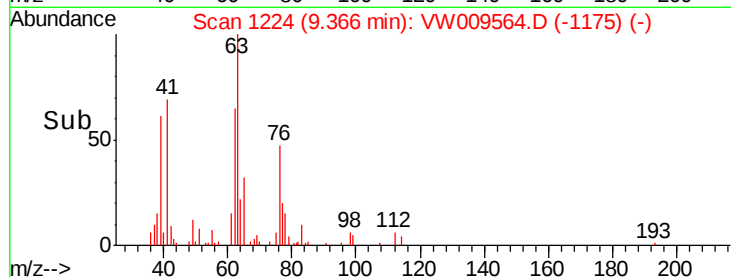
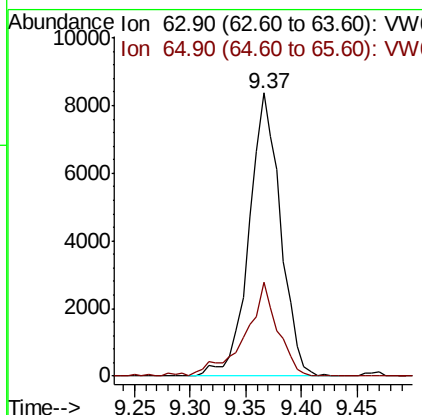
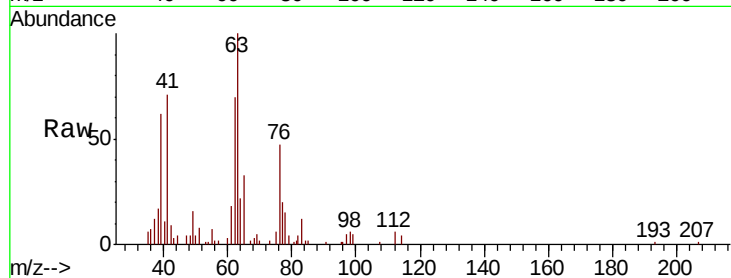




#45
 1,2-Dichloropropane
 Concen: 5.165 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

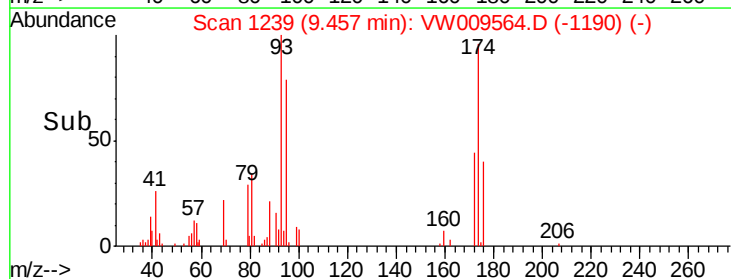
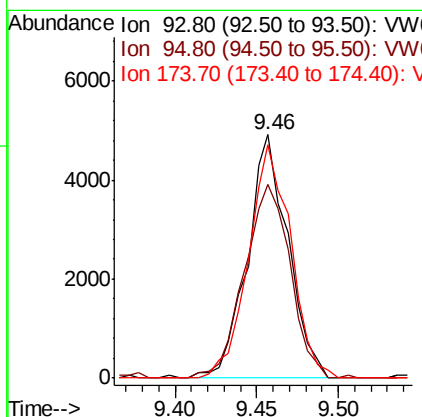
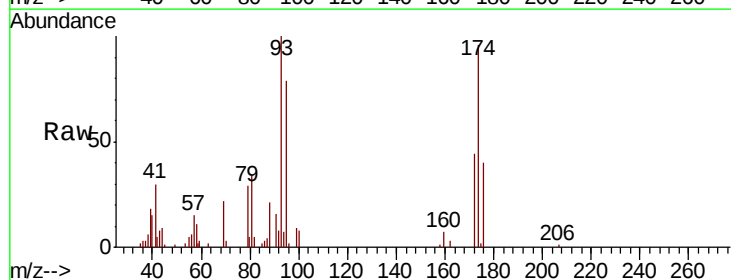
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

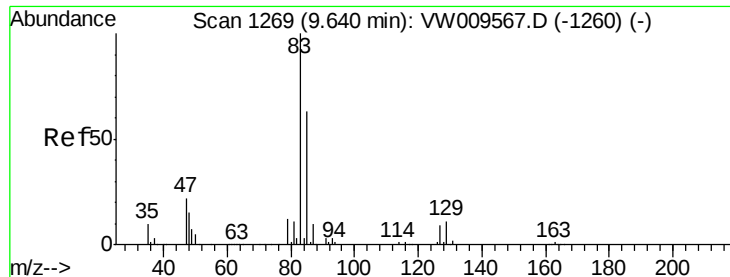
Tgt Ion: 63 Resp: 16474
 Ion Ratio Lower Upper
 63 100
 65 33.2 25.8 38.8



#46
 Dibromomethane
 Concen: 5.007 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion: 93 Resp: 8539
 Ion Ratio Lower Upper
 93 100
 95 89.3 66.9 100.3
 174 99.3 80.8 121.2





#47

Bromodichloromethane

Concen: 4.941 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

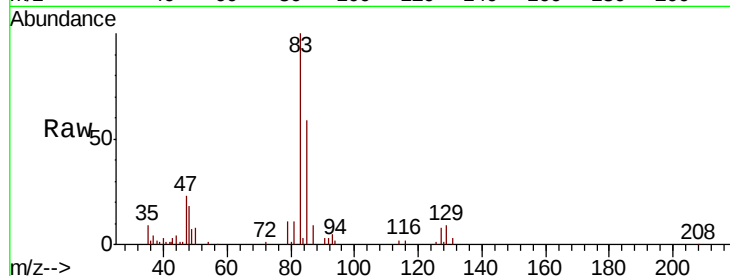
Tgt Ion: 83 Resp: 21951

Ion Ratio Lower Upper

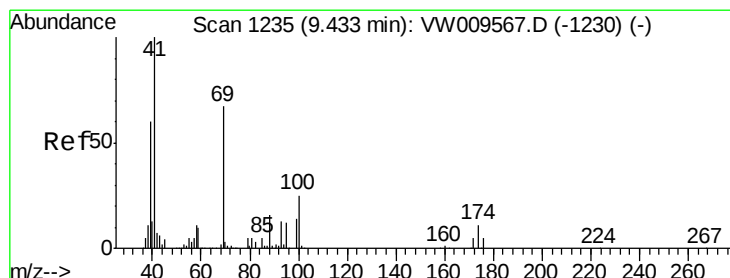
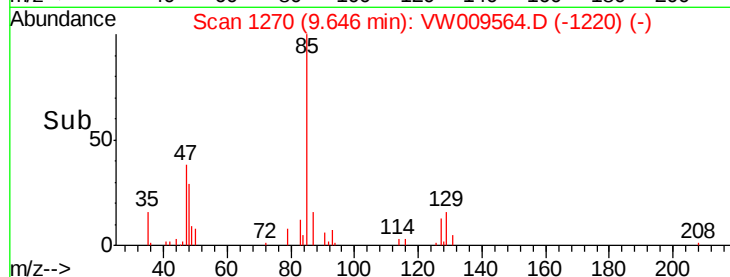
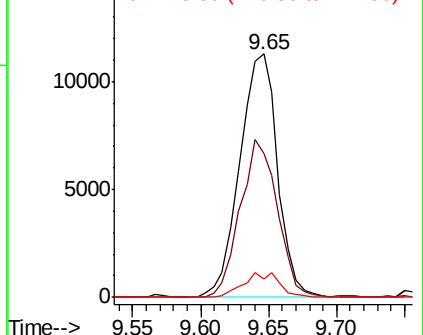
83 100

85 59.1 52.6 79.0

127 7.6 6.5 9.7



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



#48

Methyl methacrylate

Concen: 4.142 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

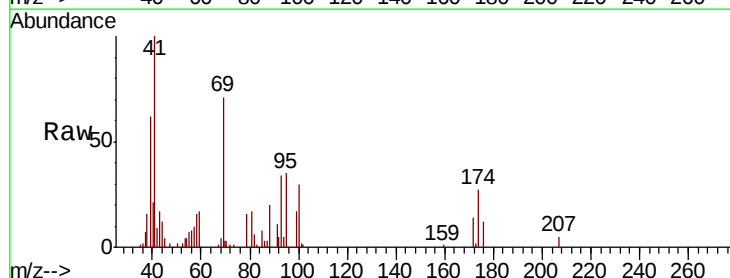
Tgt Ion: 41 Resp: 8645

Ion Ratio Lower Upper

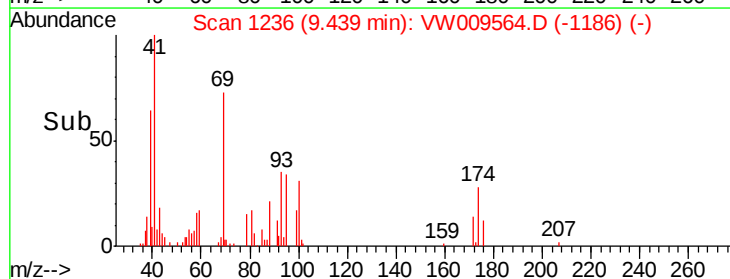
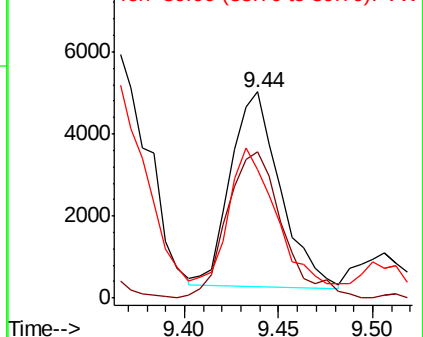
41 100

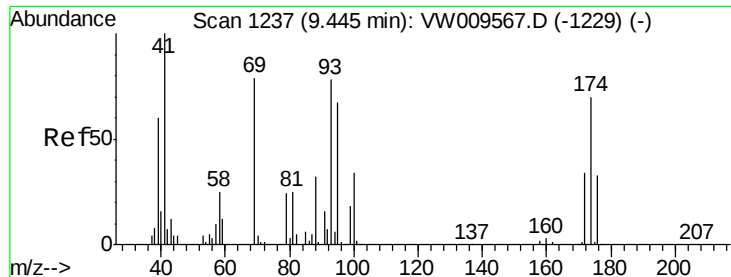
69 83.6 63.0 94.6

39 64.4 57.2 85.8



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: 95.881 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

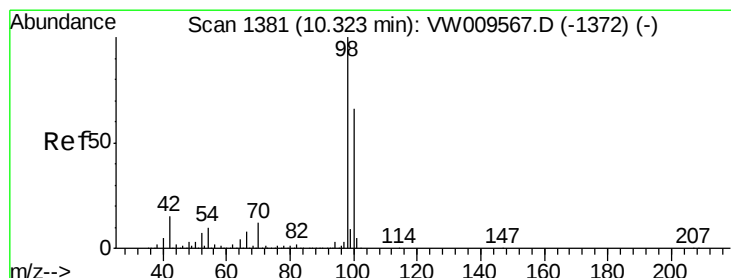
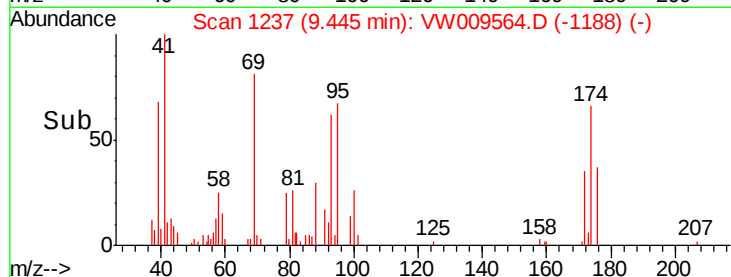
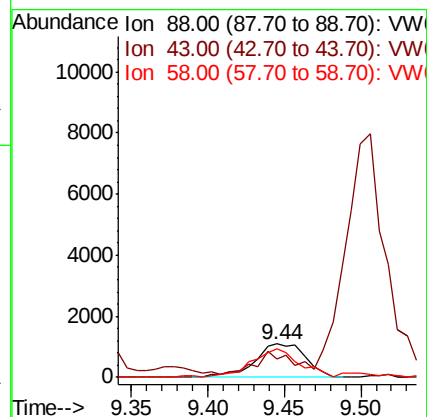
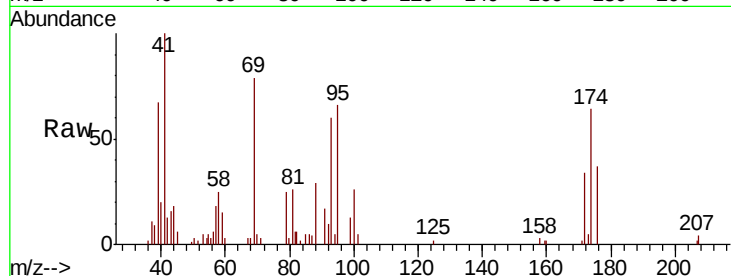
Tgt Ion: 88 Resp: 2528

Ion Ratio Lower Upper

88 100

43 48.5 29.7 44.5#

58 79.2 58.1 87.1



#50

Toluene-d8

Concen: 4.465 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009564.D

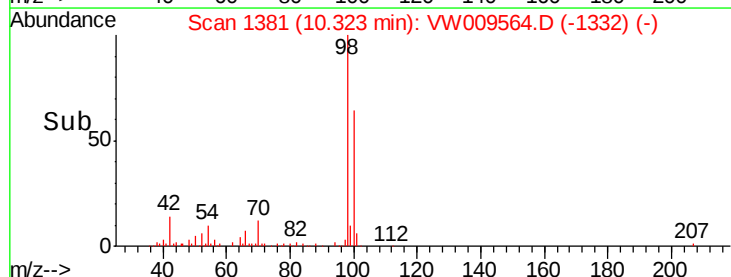
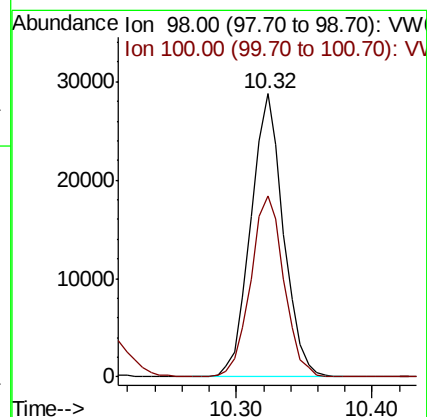
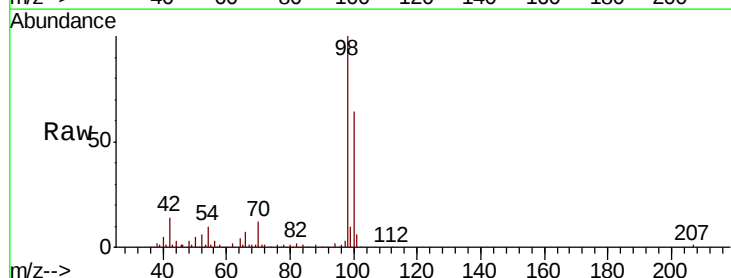
Acq: 29 Mar 2019 09:54

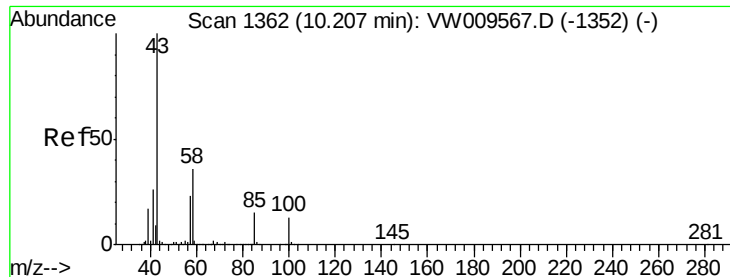
Tgt Ion: 98 Resp: 48337

Ion Ratio Lower Upper

98 100

100 65.3 52.6 79.0

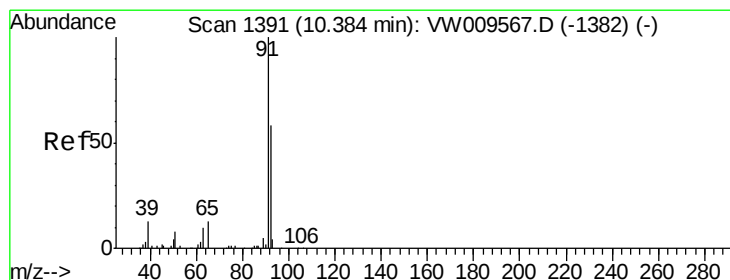
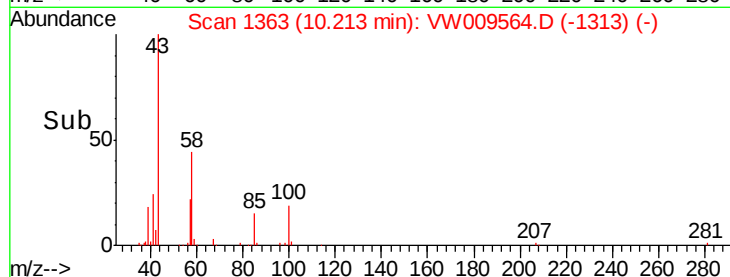
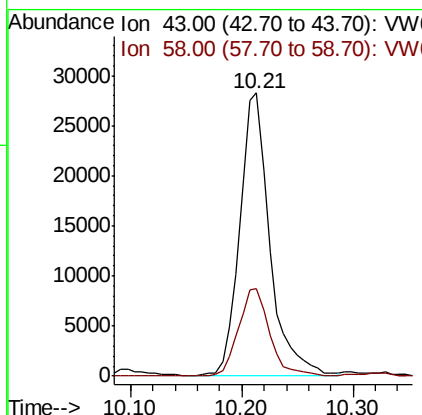
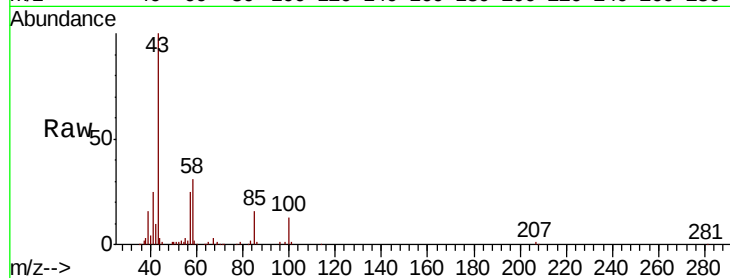




#51
 4-Methyl-2-Pentanone
 Concen: 22.776 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

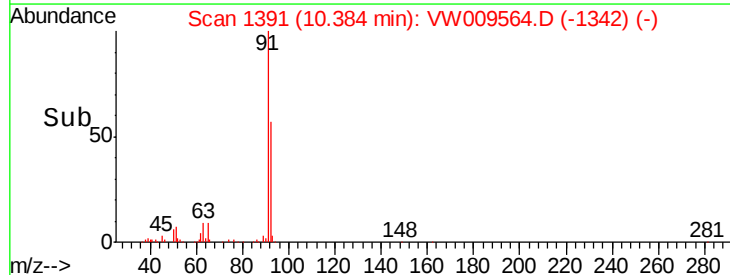
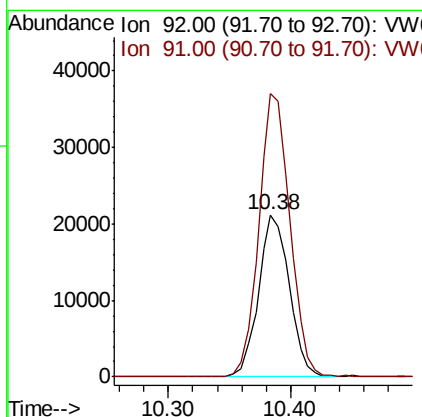
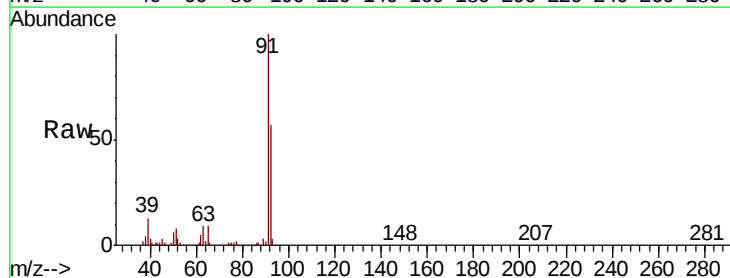
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

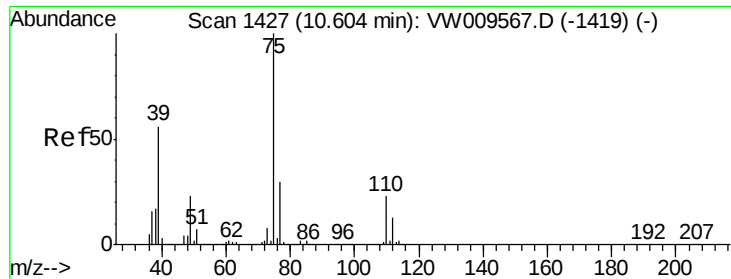
Tgt Ion: 43 Resp: 52554
 Ion Ratio Lower Upper
 43 100
 58 32.2 28.6 42.8



#52
 Toluene
 Concen: 4.632 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion: 92 Resp: 37159
 Ion Ratio Lower Upper
 92 100
 91 176.0 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 4.688 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

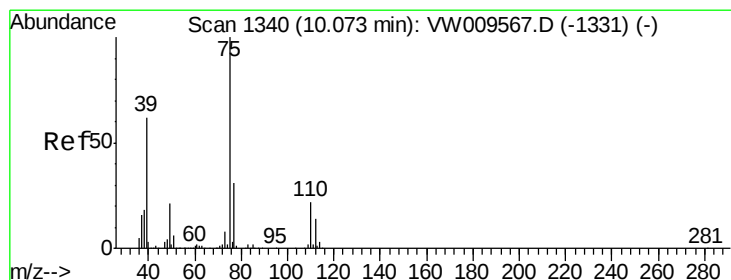
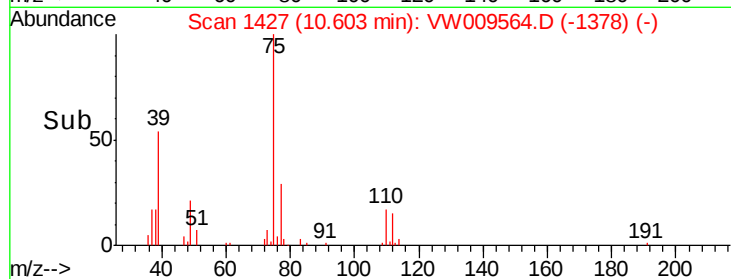
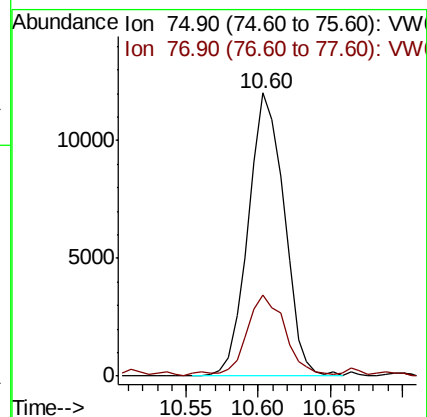
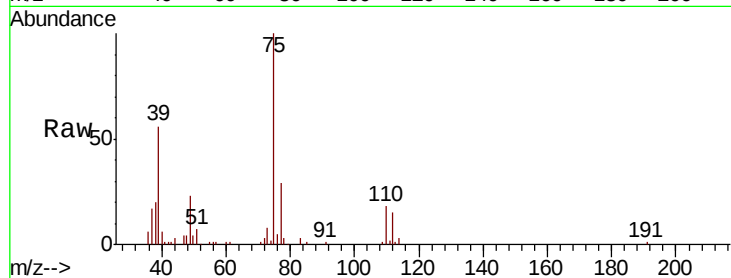
VSTDIC005

Tgt Ion: 75 Resp: 20734

Ion Ratio Lower Upper

75 100

77 27.5 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 4.450 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

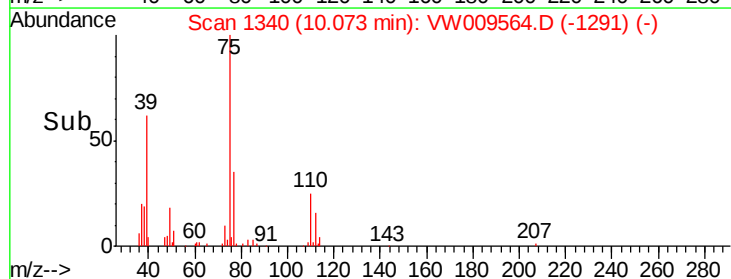
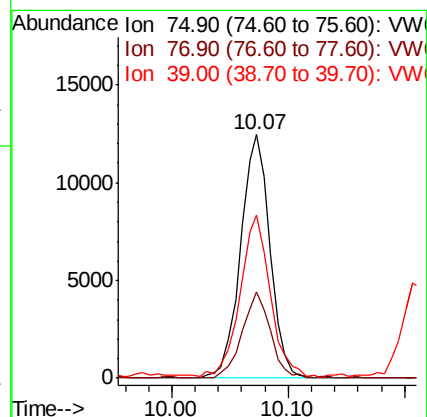
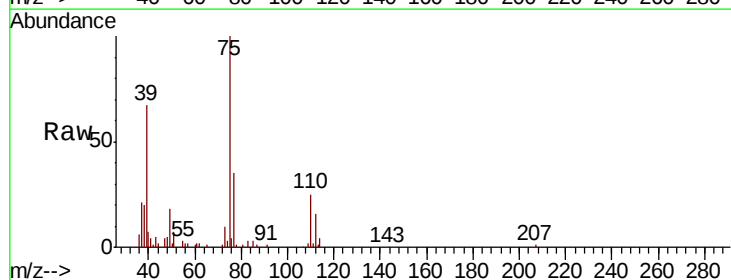
Tgt Ion: 75 Resp: 21877

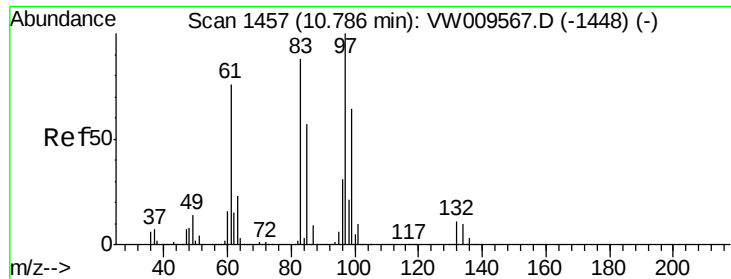
Ion Ratio Lower Upper

75 100

77 35.4 25.9 38.9

39 65.8 46.8 70.2

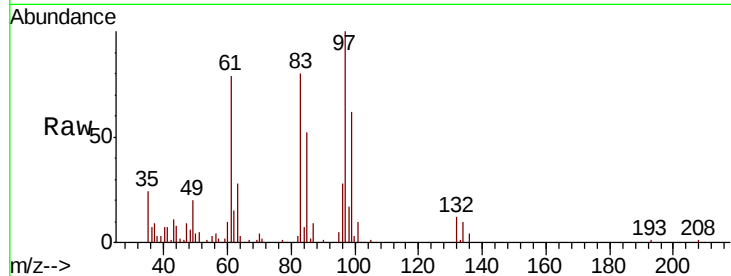




#55
 1,1,2-Trichloroethane
 Concen: 5.036 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:	97	Resp:	11680
Ion	Ratio	Lower	Upper
97	100		
83	78.5	66.3	99.5
85	52.2	41.4	62.2
99	62.4	48.7	73.1



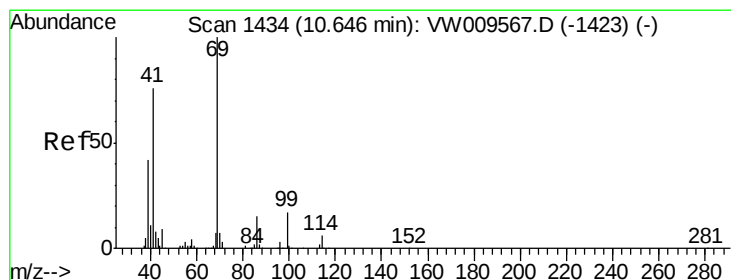
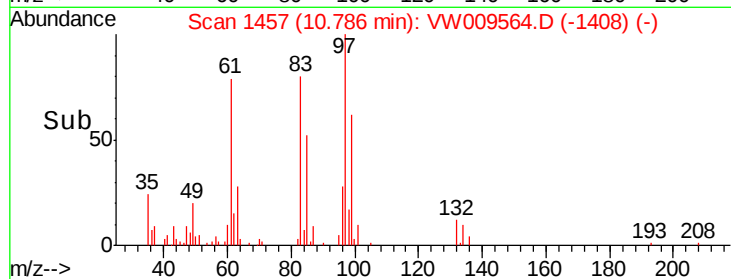
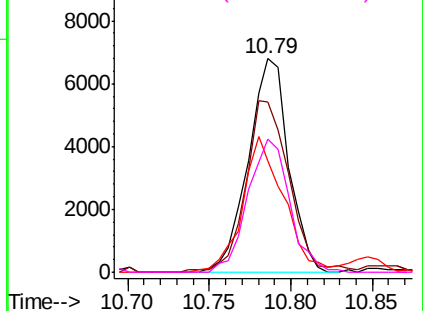
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

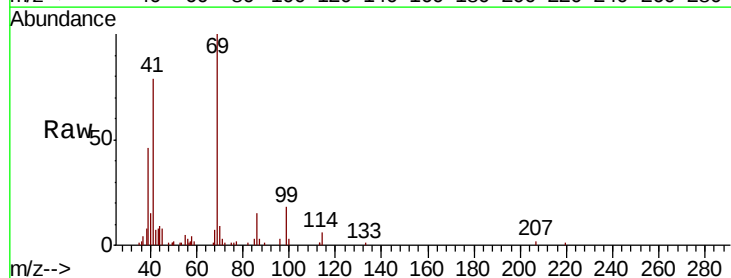
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 3.907 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion:	69	Resp:	11782
Ion	Ratio	Lower	Upper
69	100		
41	89.7	59.3	88.9#
39	47.6	36.2	54.2

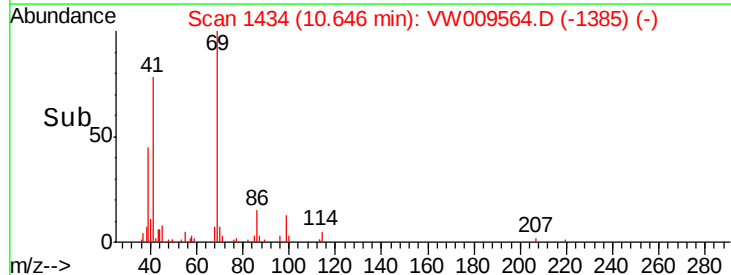
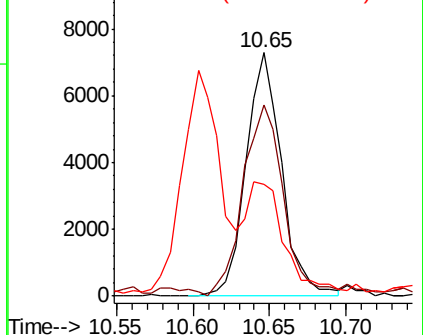


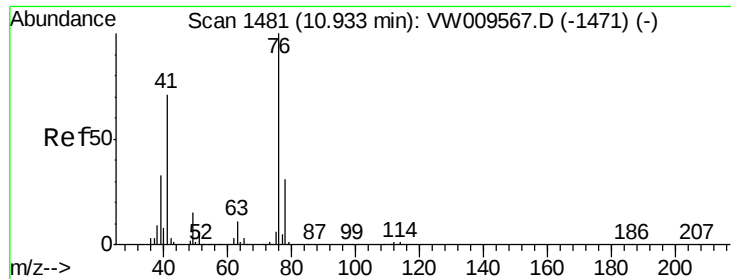
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 4.836 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

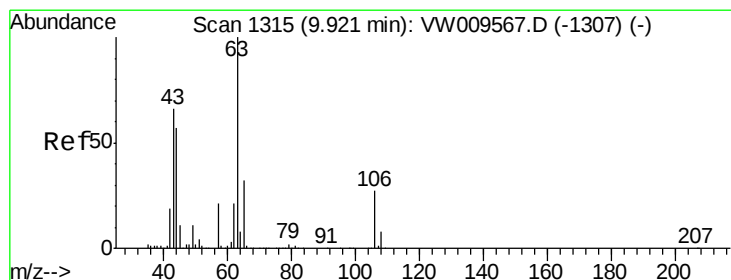
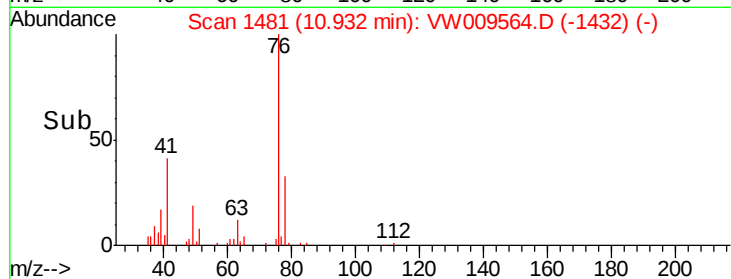
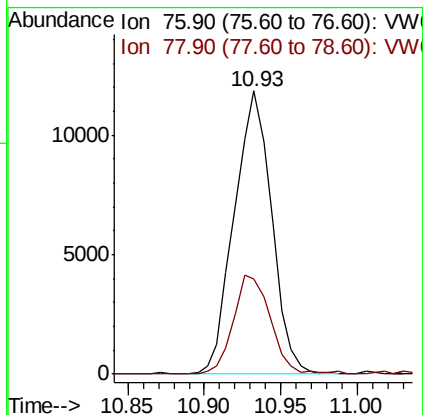
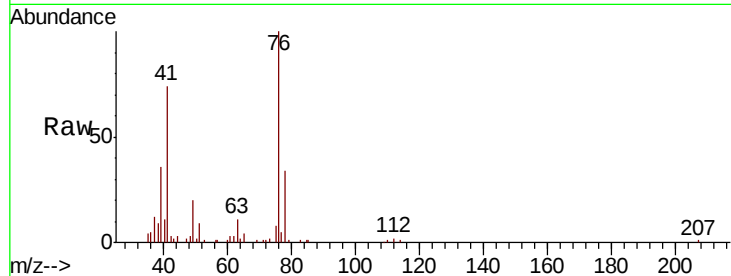
VSTDIC005

Tgt Ion: 76 Resp: 20167

Ion Ratio Lower Upper

76 100

78 34.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 16.798 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW009564.D

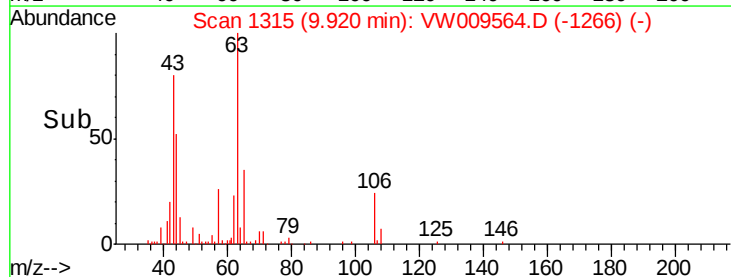
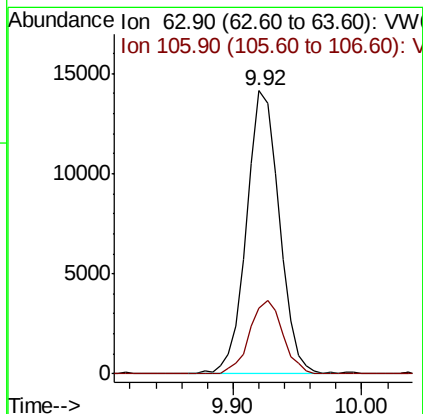
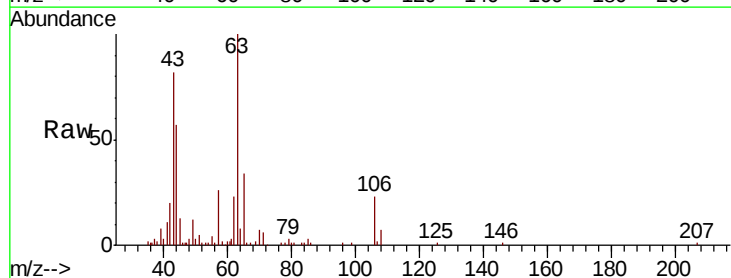
Acq: 29 Mar 2019 09:54

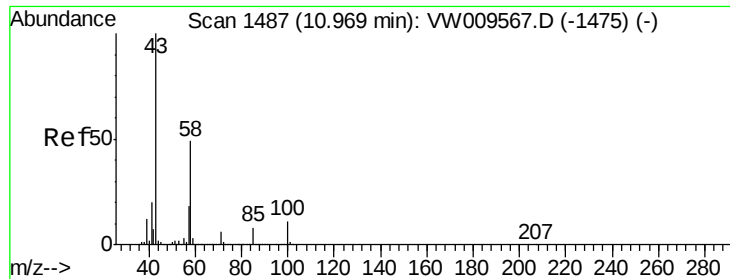
Tgt Ion: 63 Resp: 24815

Ion Ratio Lower Upper

63 100

106 26.3 22.9 34.3





#59

2-Hexanone

Concen: 20.648 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

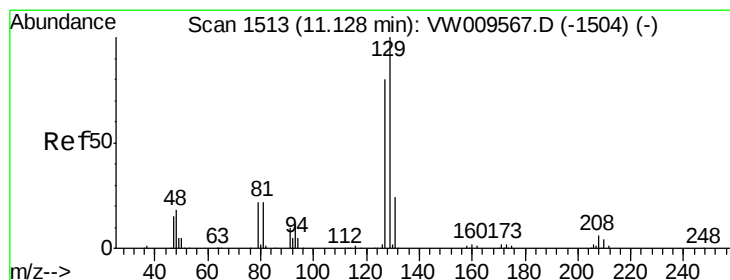
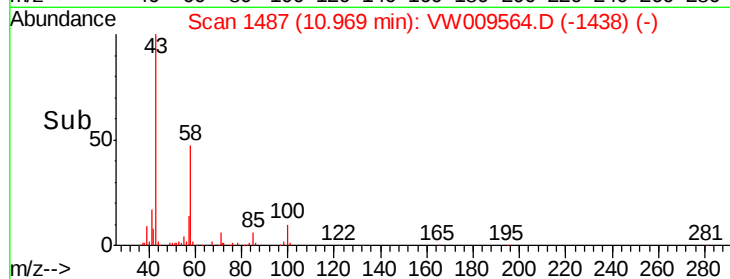
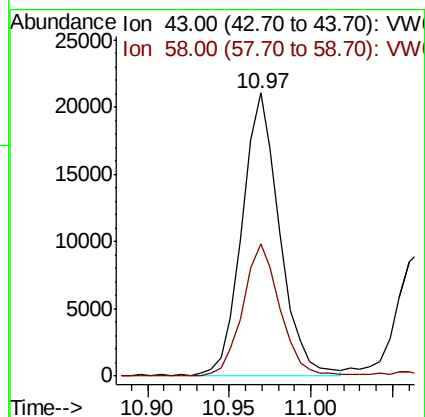
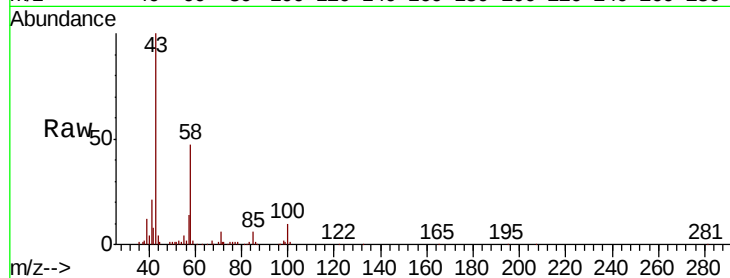
VSTDIC005

Tgt Ion: 43 Resp: 33896

Ion Ratio Lower Upper

43 100

58 46.4 24.2 72.6



#60

Dibromochloromethane

Concen: 4.859 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009564.D

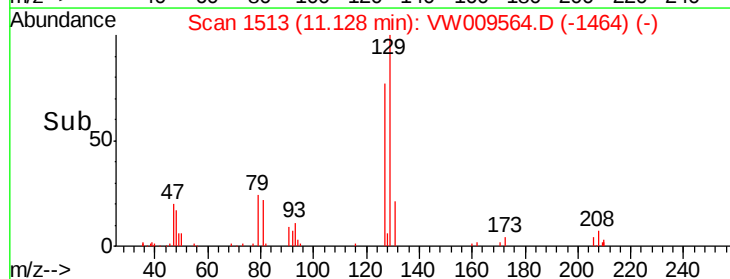
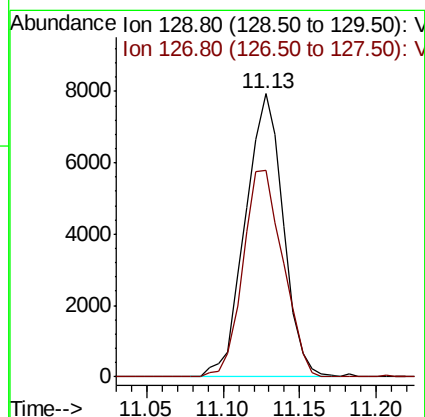
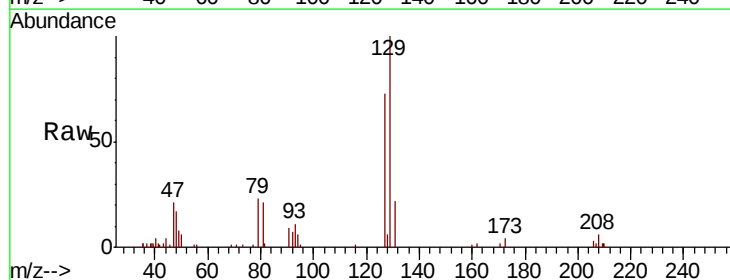
Acq: 29 Mar 2019 09:54

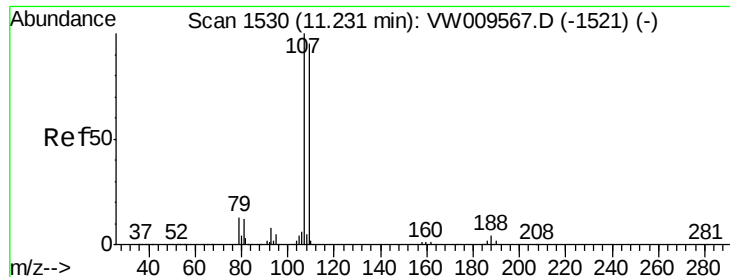
Tgt Ion: 129 Resp: 13685

Ion Ratio Lower Upper

129 100

127 76.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 4.826 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

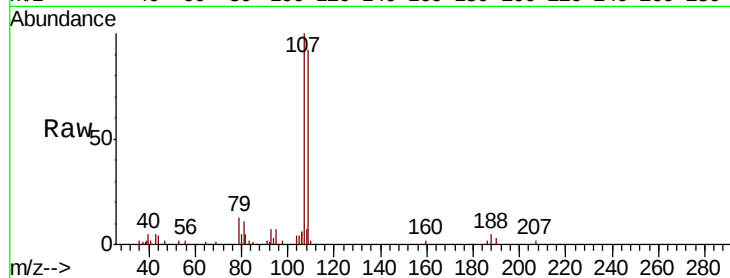
VSTDIC005

Tgt Ion: 107 Resp: 10803

Ion Ratio Lower Upper

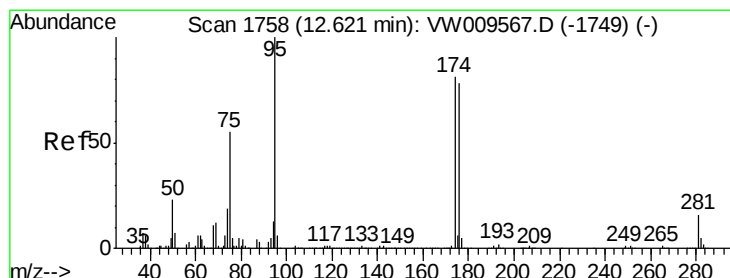
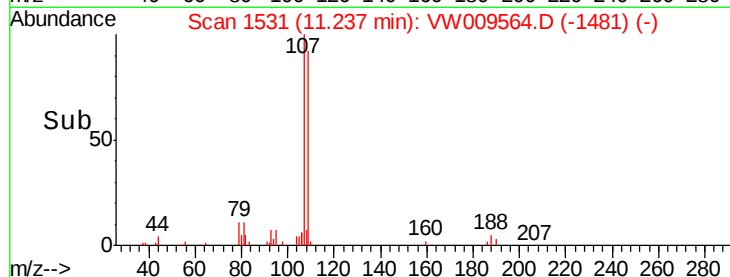
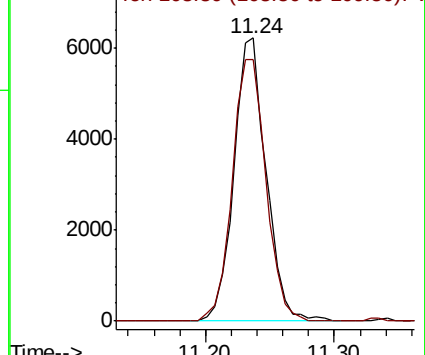
107 100

109 96.6 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.333 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

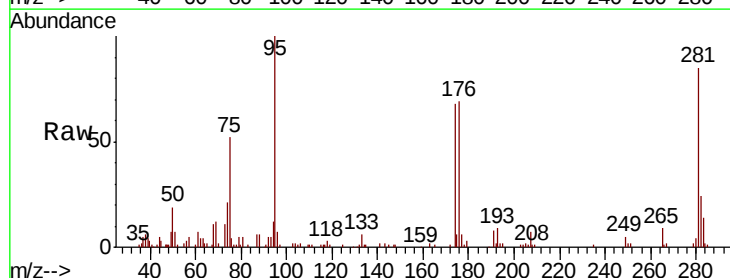
Tgt Ion: 95 Resp: 17497

Ion Ratio Lower Upper

95 100

174 76.9 0.0 168.4

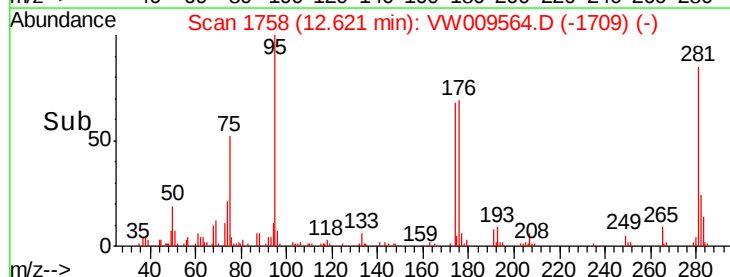
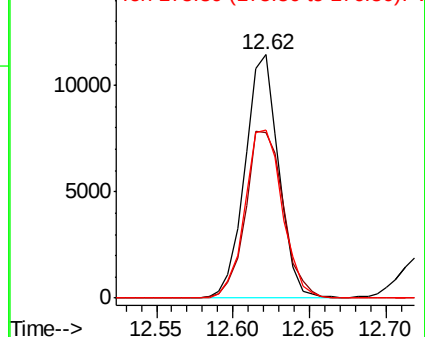
176 77.0 0.0 161.6

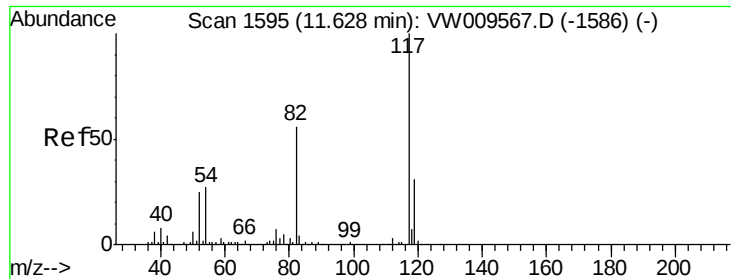


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

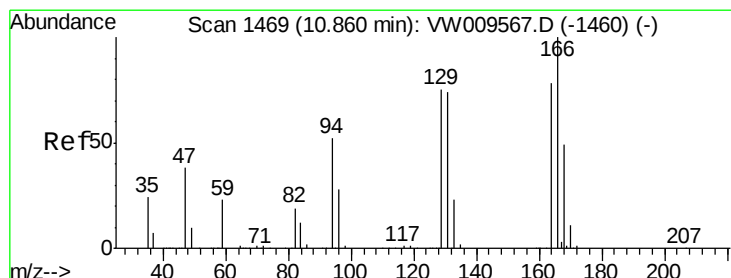
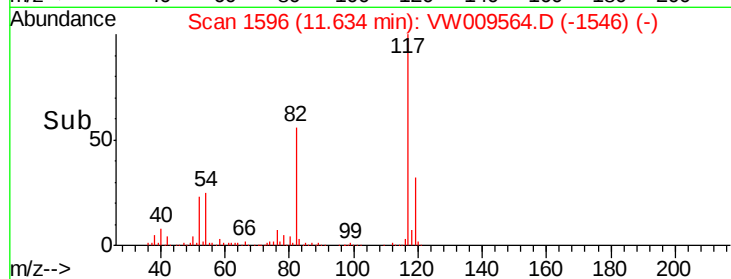
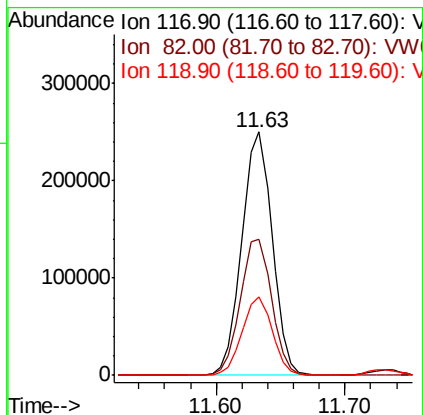
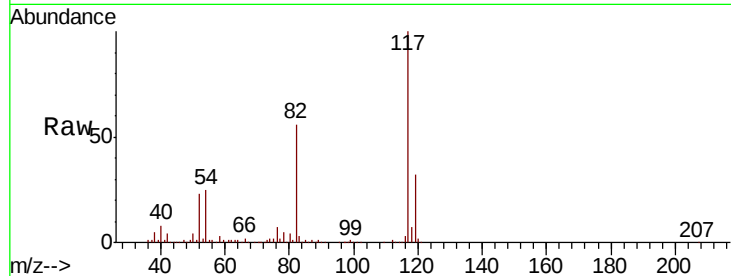




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

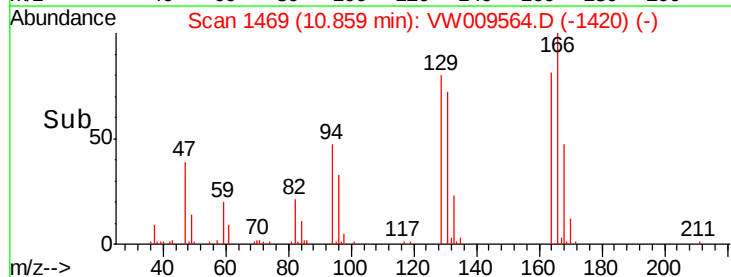
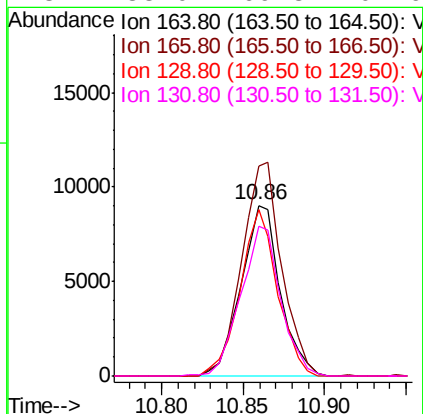
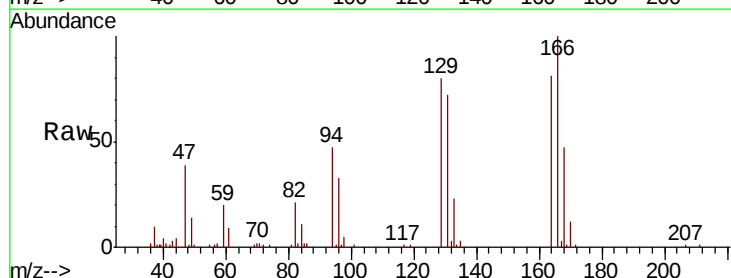
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

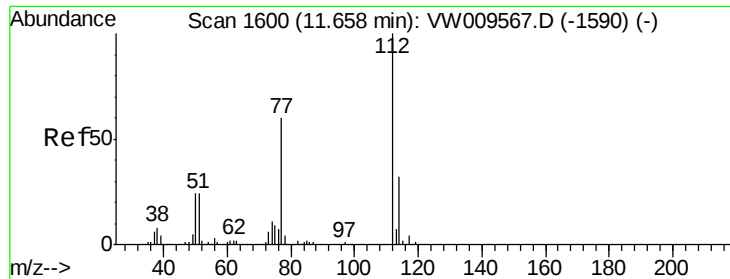
Tgt Ion:117 Resp: 409281
Ion Ratio Lower Upper
117 100
82 55.8 43.6 65.4
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 5.566 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion:164 Resp: 15129
Ion Ratio Lower Upper
164 100
166 122.9 100.9 151.3
129 97.9 72.0 108.0
131 88.0 69.8 104.6

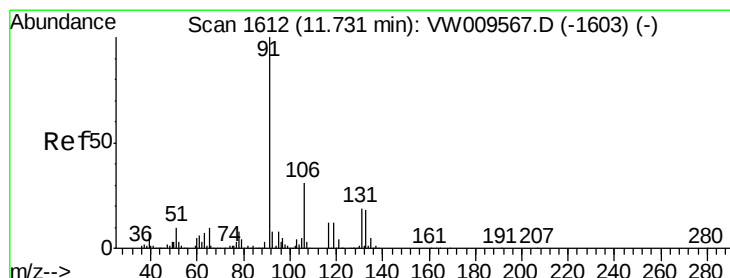
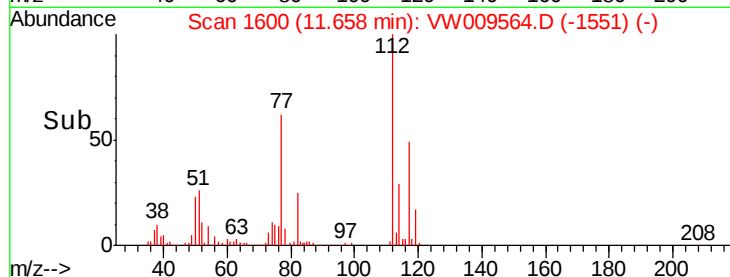
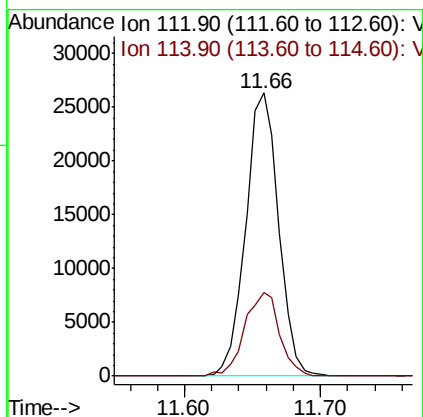
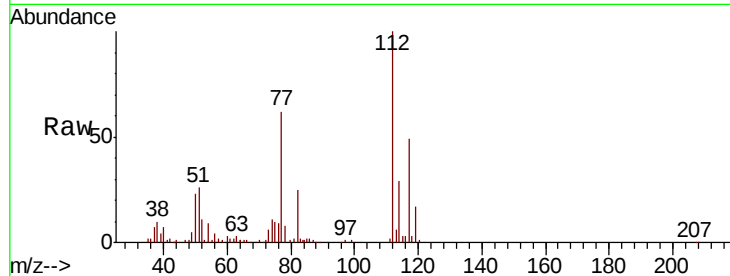




#65
Chlorobenzene
Concen: 5.210 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

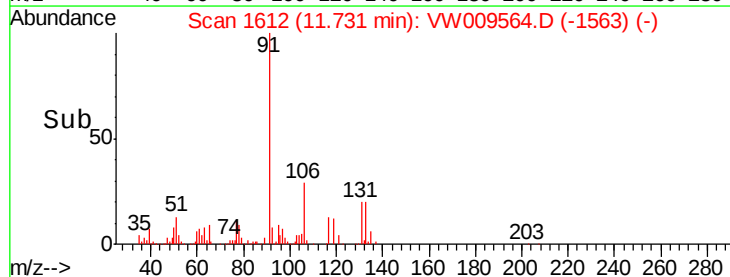
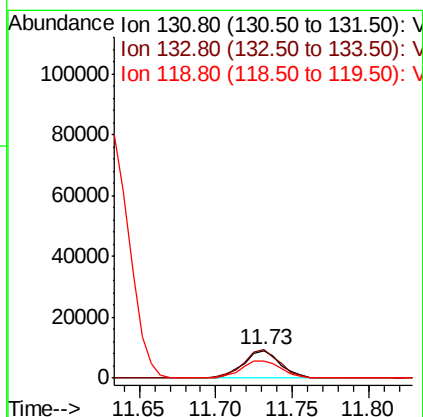
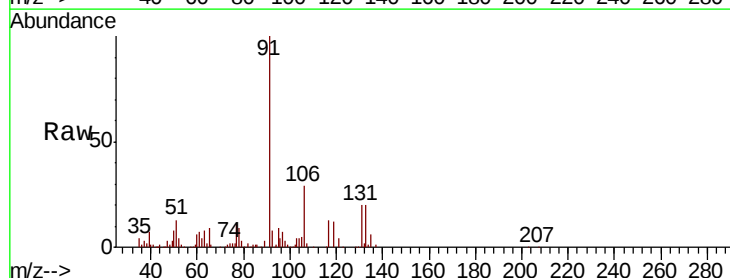
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

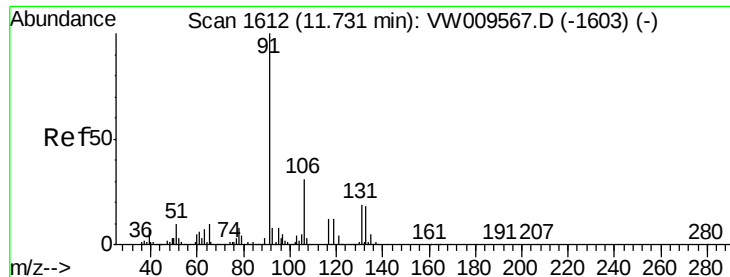
Tgt Ion:112 Resp: 44556
Ion Ratio Lower Upper
112 100
114 29.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.843 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion:131 Resp: 15216
Ion Ratio Lower Upper
131 100
133 102.4 47.3 141.8
119 66.6 31.6 95.0





#67

Ethyl Benzene

Concen: 4.578 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

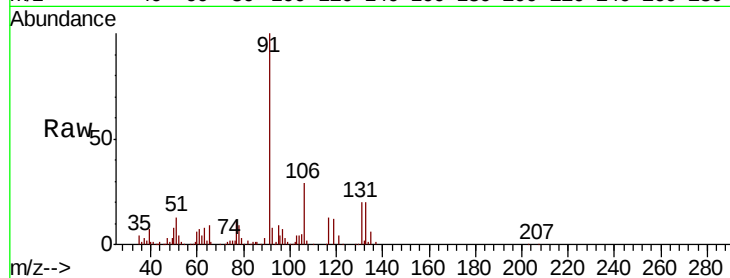
VSTDIC005

Tgt Ion: 91 Resp: 71718

Ion Ratio Lower Upper

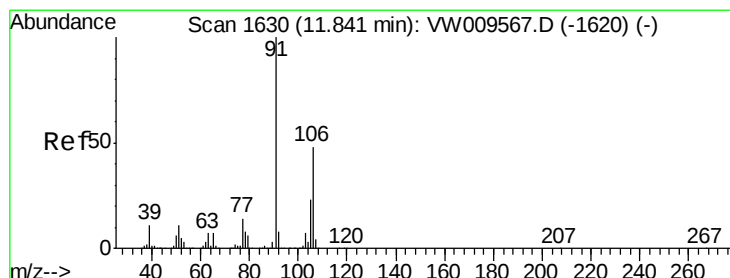
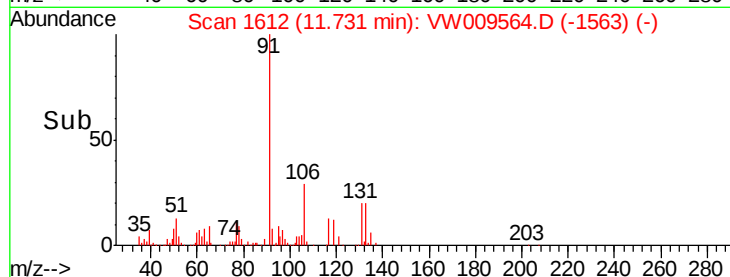
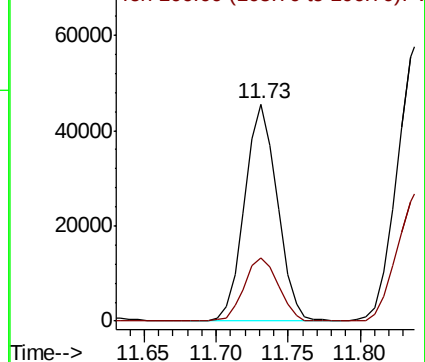
91 100

106 29.4 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 8.947 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009564.D

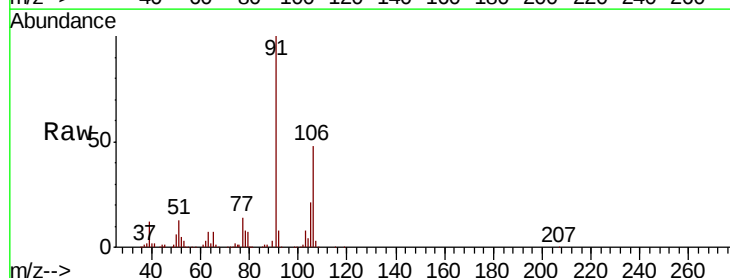
Acq: 29 Mar 2019 09:54

Tgt Ion: 106 Resp: 53265

Ion Ratio Lower Upper

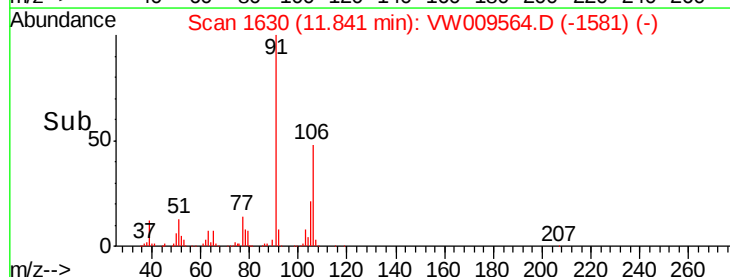
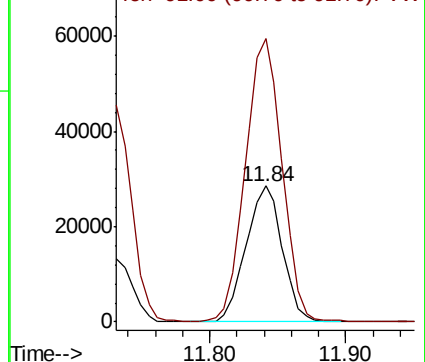
106 100

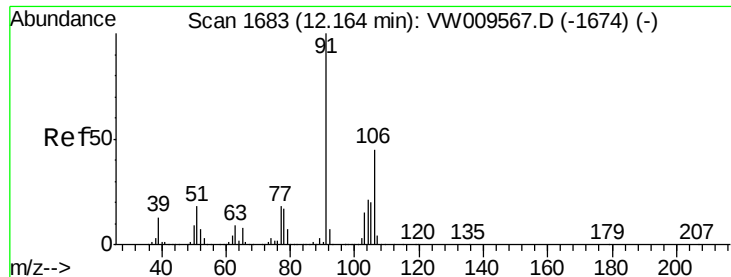
91 210.6 163.1 244.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

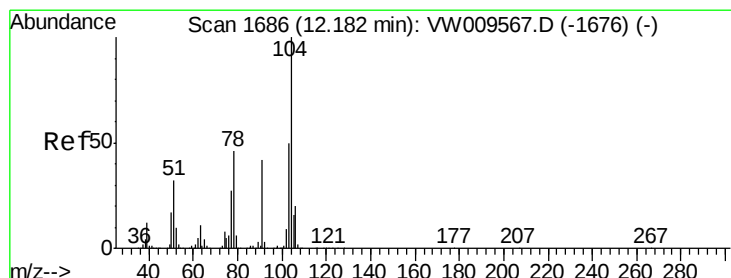
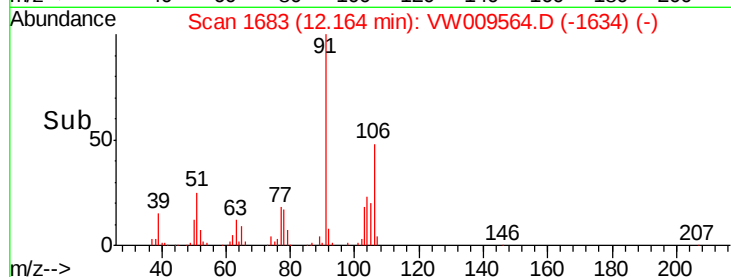
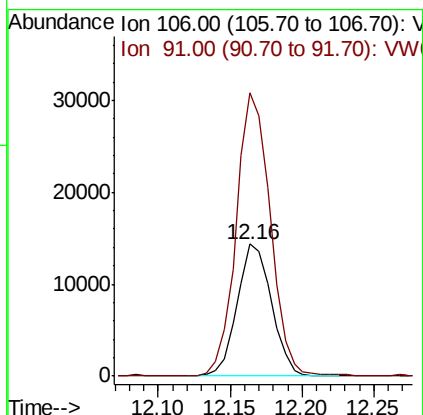
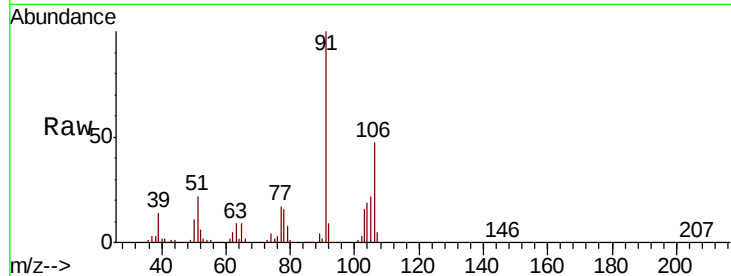




#69
o-Xylene
Concen: 4.272 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

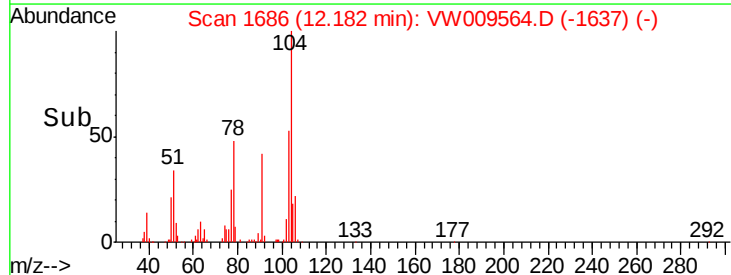
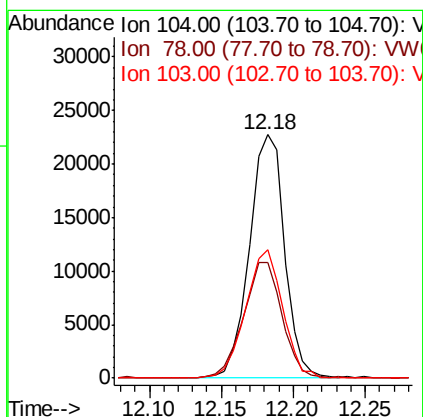
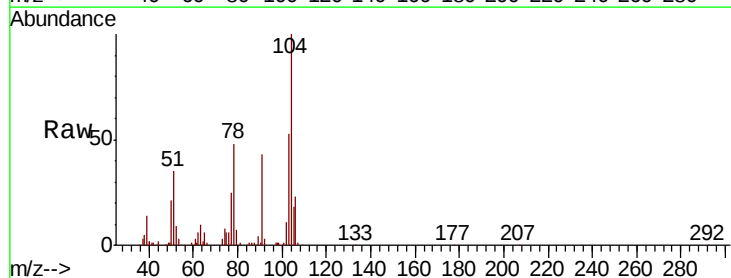
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

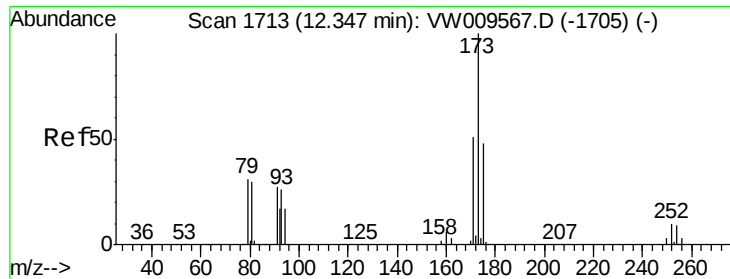
Tgt Ion:106 Resp: 23856
Ion Ratio Lower Upper
106 100
91 213.4 108.6 325.8



#70
Styrene
Concen: 4.058 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion:104 Resp: 38288
Ion Ratio Lower Upper
104 100
78 52.4 42.2 63.4
103 55.6 44.6 66.8

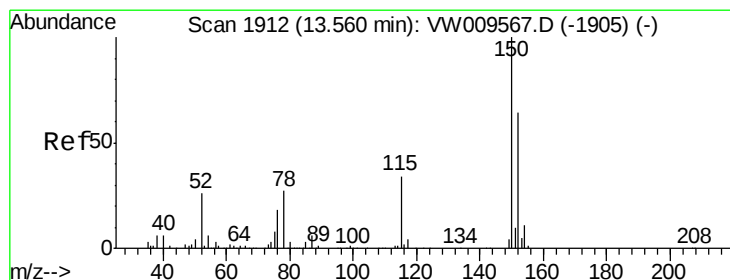
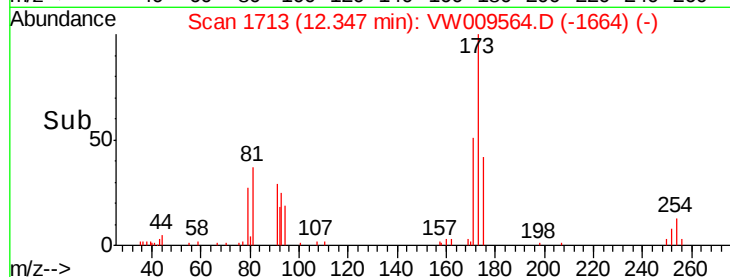
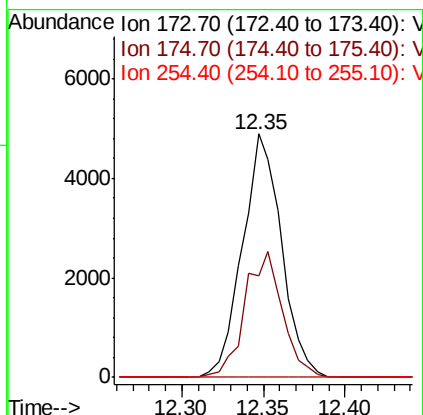
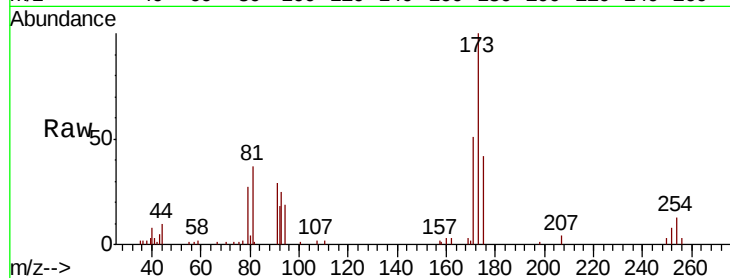




#71
Bromoform
Concen: 4.804 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

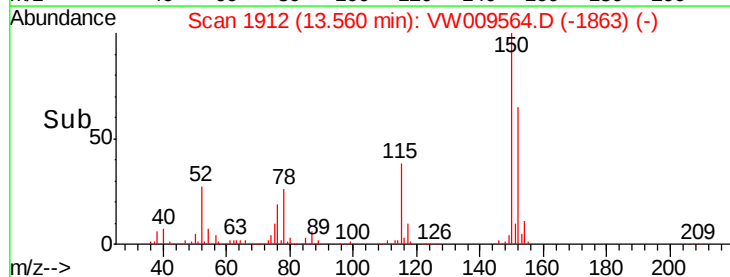
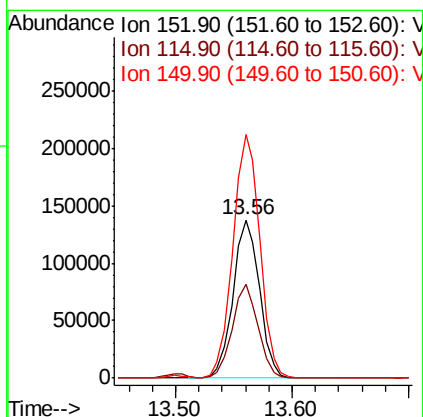
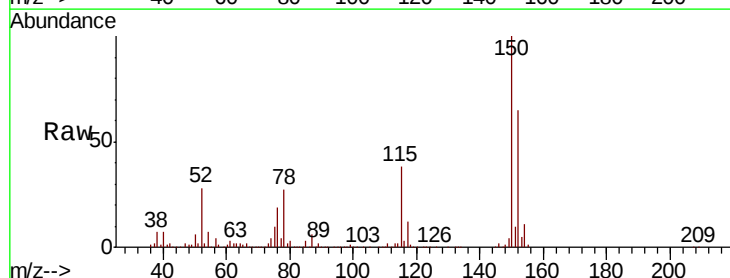
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

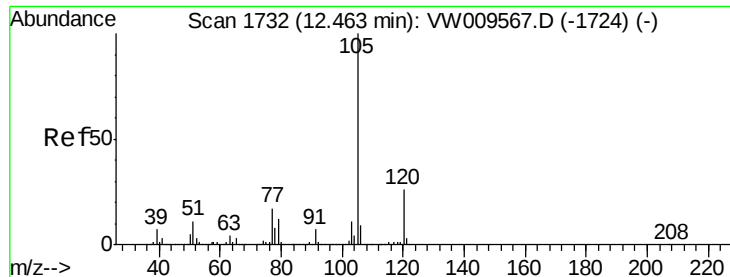
Tgt Ion:173 Resp: 8146
Ion Ratio Lower Upper
173 100
175 49.7 24.1 72.4
254 0.0 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion:152 Resp: 217738
Ion Ratio Lower Upper
152 100
115 57.4 29.6 88.8
150 157.1 0.0 349.2





#73

Isopropylbenzene

Concen: 4.212 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

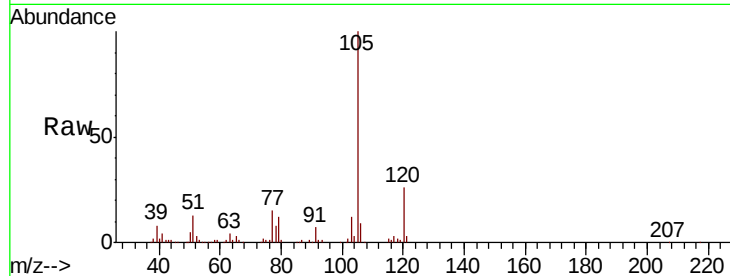
VSTDIC005

Tgt Ion:105 Resp: 67740

Ion Ratio Lower Upper

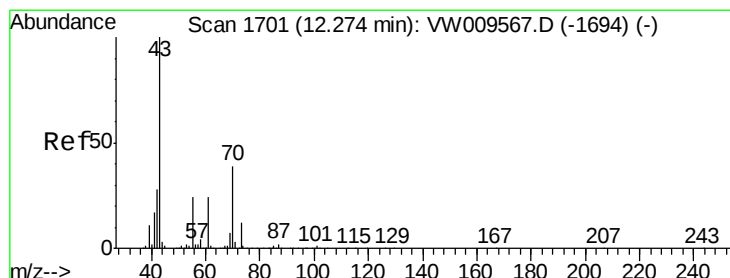
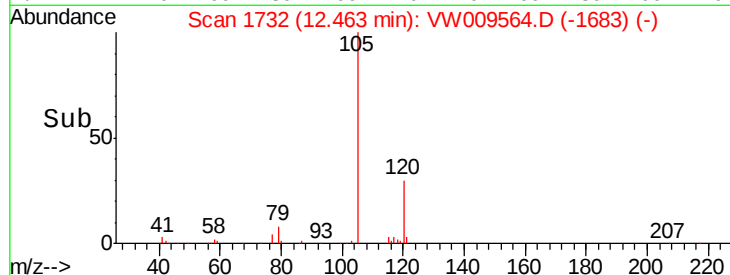
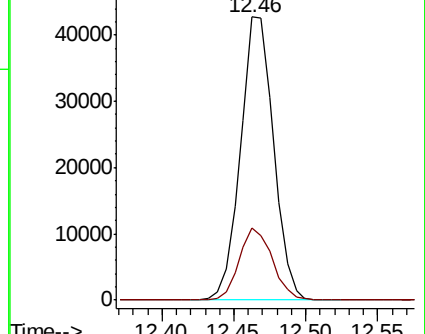
105 100

120 25.7 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.082 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Tgt Ion: 43 Resp: 16556

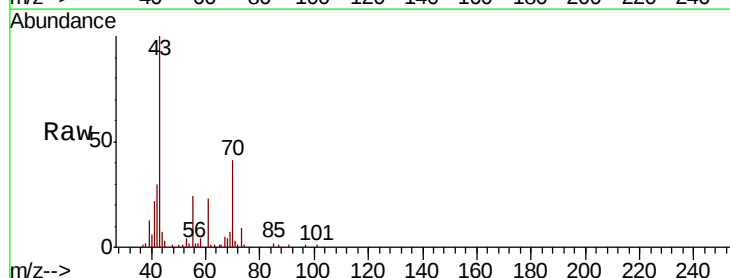
Ion Ratio Lower Upper

43 100

70 41.4 30.6 46.0

55 28.4 19.3 28.9

61 21.3 17.0 25.4

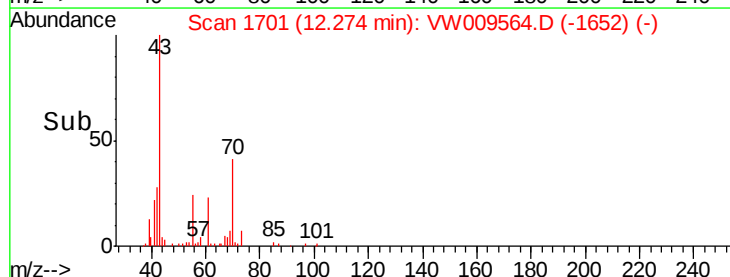
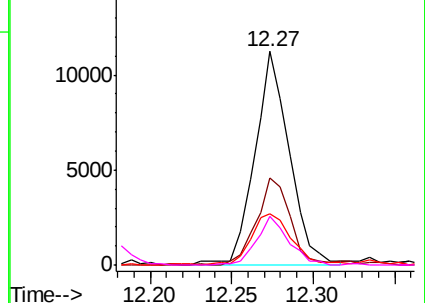


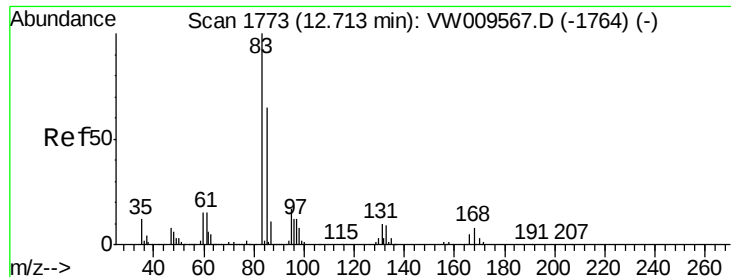
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 5.034 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

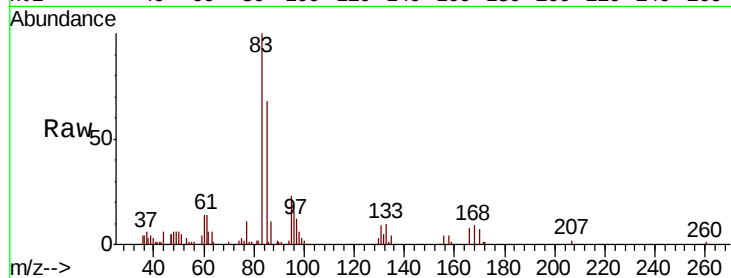
Tgt Ion: 83 Resp: 14277

Ion Ratio Lower Upper

83 100

131 13.1 5.3 16.1

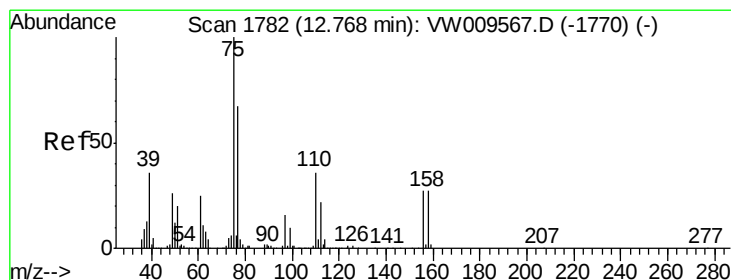
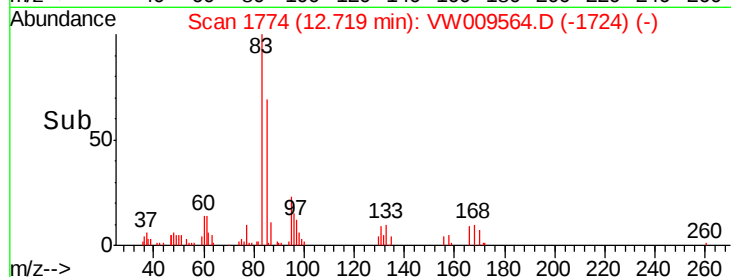
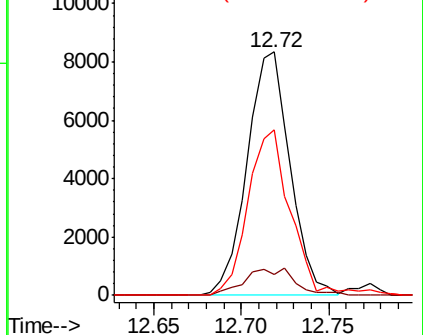
85 67.8 32.6 97.8



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: 8.897 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009564.D

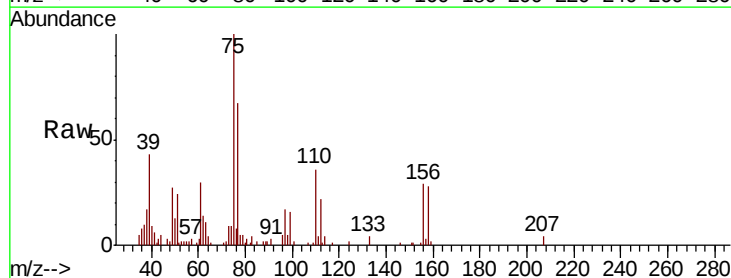
Acq: 29 Mar 2019 09:54

Tgt Ion: 75 Resp: 18321

Ion Ratio Lower Upper

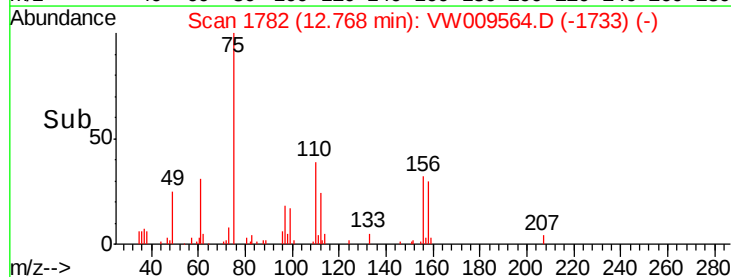
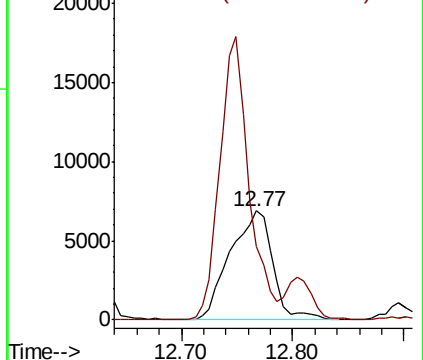
75 100

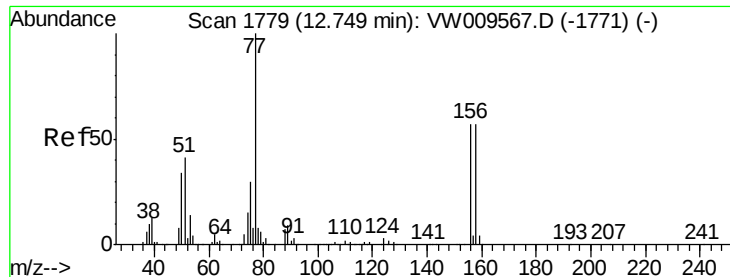
77 176.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.706 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

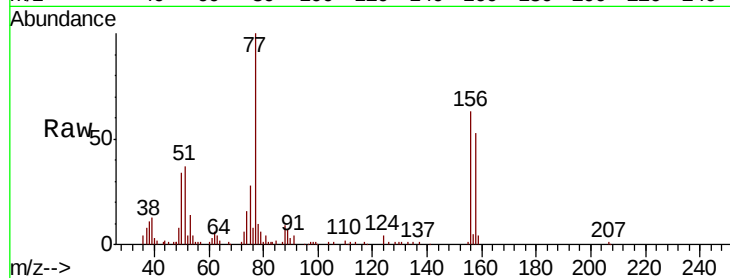
Tgt Ion: 156 Resp: 16869

Ion Ratio Lower Upper

156 100

77 192.0 96.0 288.0

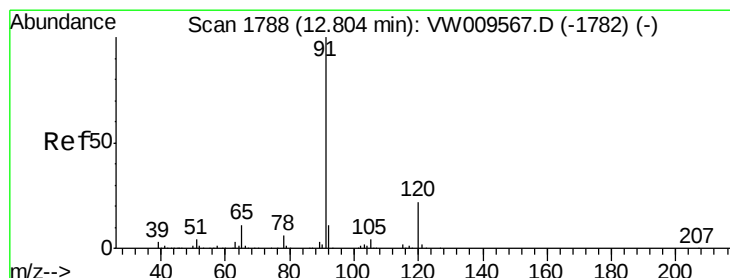
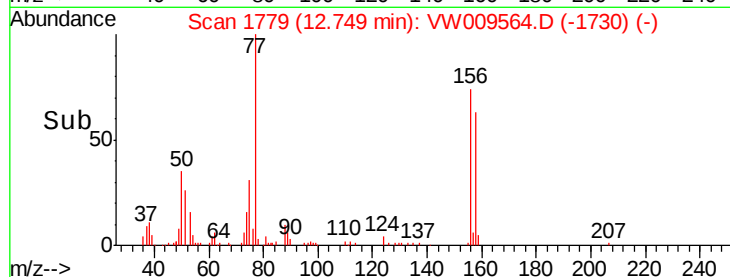
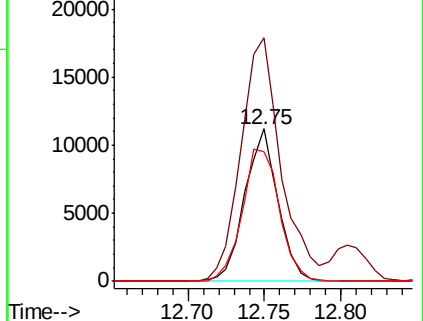
158 97.4 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.368 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009564.D

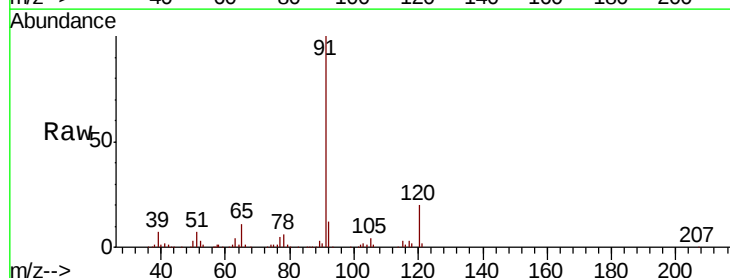
Acq: 29 Mar 2019 09:54

Tgt Ion: 91 Resp: 86546

Ion Ratio Lower Upper

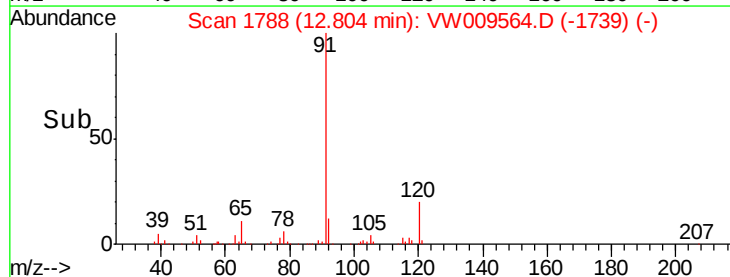
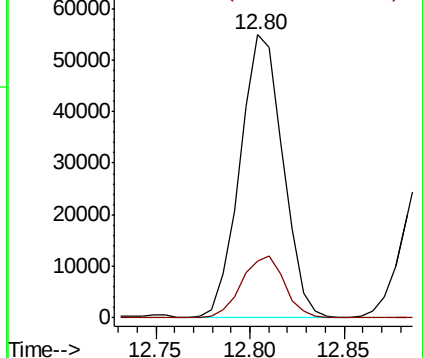
91 100

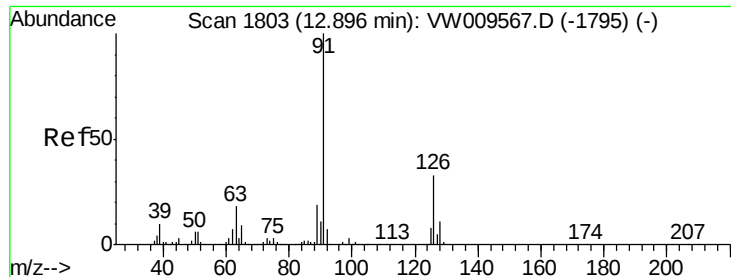
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.475 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

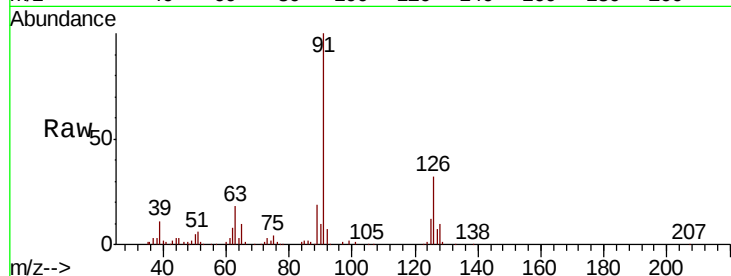
VSTDIC005

Tgt Ion: 91 Resp: 49816

Ion Ratio Lower Upper

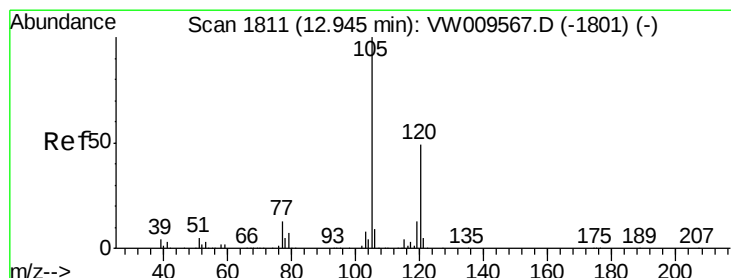
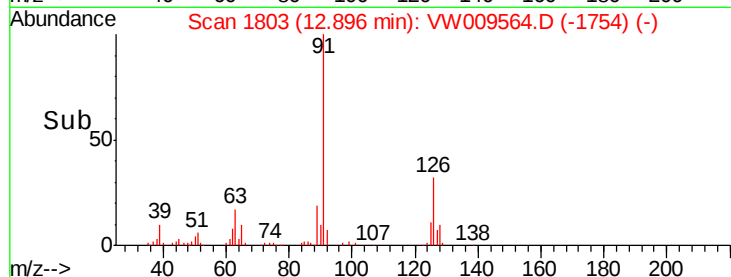
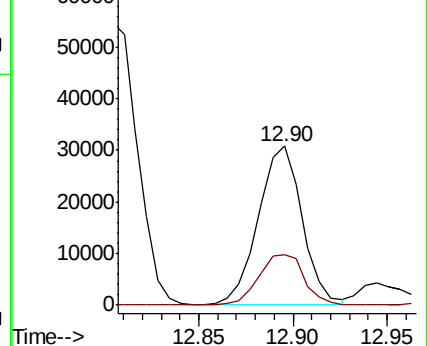
91 100

126 33.2 17.0 51.0



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: 4.140 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009564.D

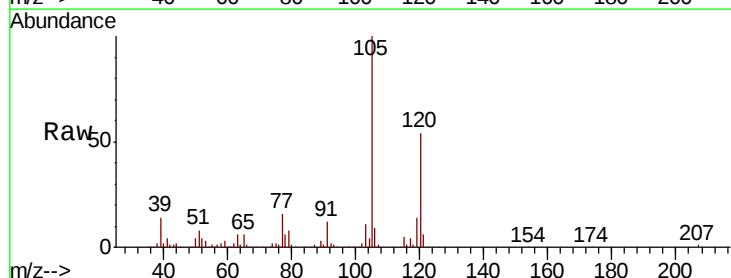
Acq: 29 Mar 2019 09:54

Tgt Ion: 105 Resp: 56349

Ion Ratio Lower Upper

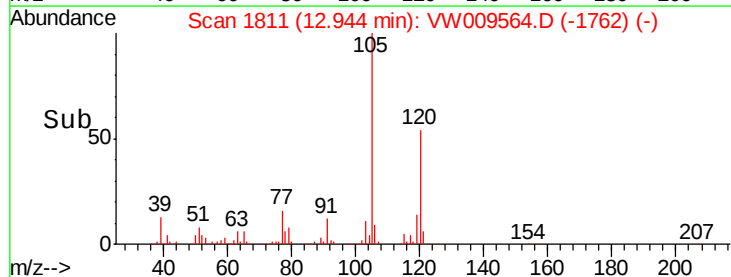
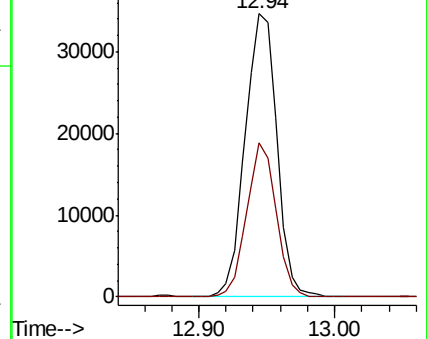
105 100

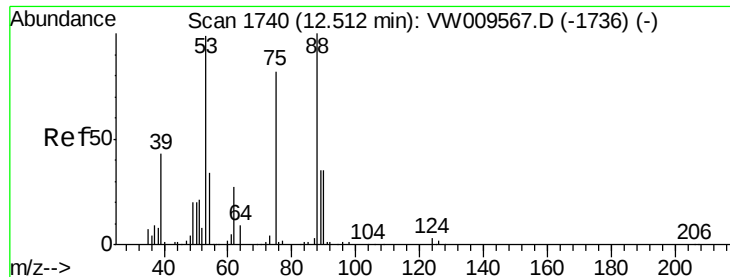
120 50.7 24.6 74.0



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: 4.655 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

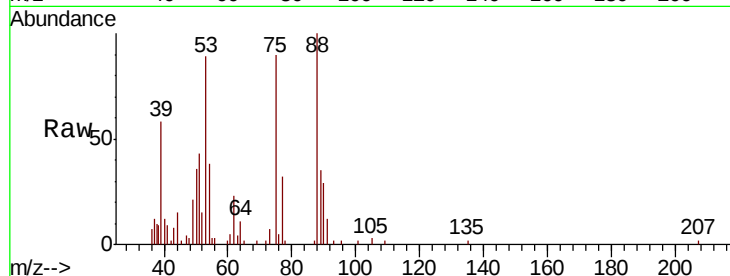
Tgt Ion: 75 Resp: 4106

Ion Ratio Lower Upper

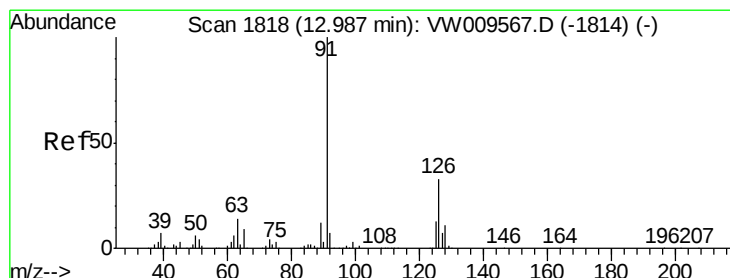
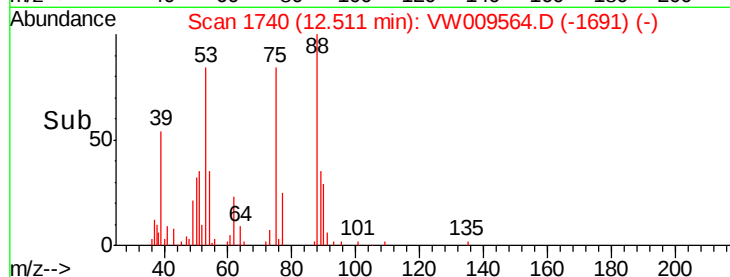
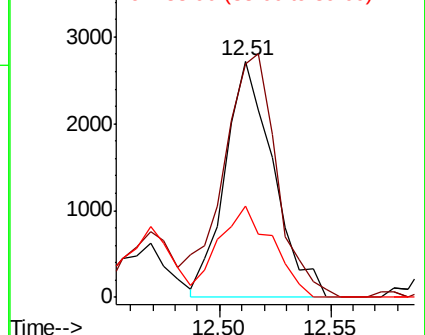
75 100

53 115.2 86.7 130.1

89 43.1 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 4.462 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW009564.D

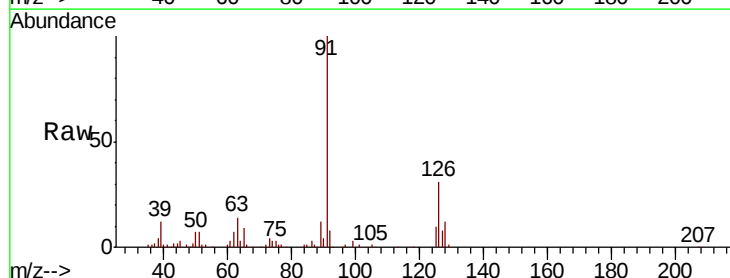
Acq: 29 Mar 2019 09:54

Tgt Ion: 91 Resp: 52309

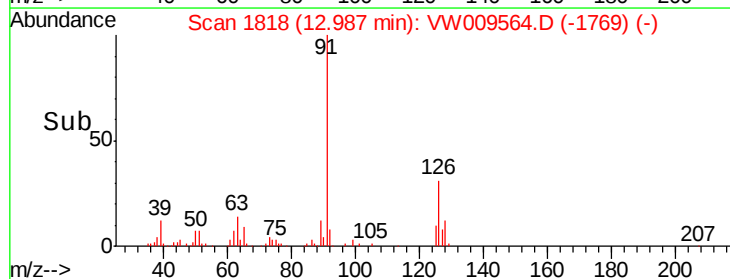
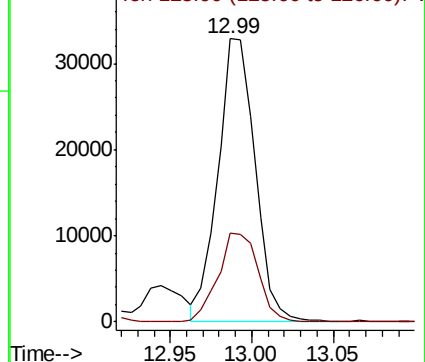
Ion Ratio Lower Upper

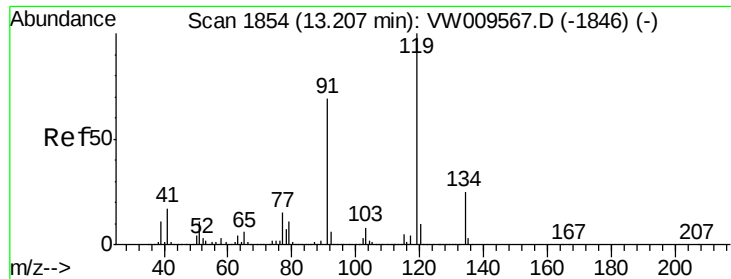
91 100

126 33.7 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

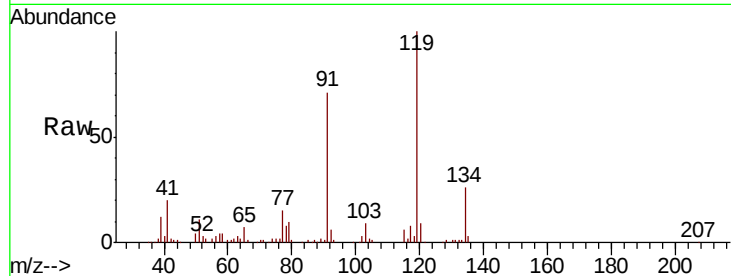




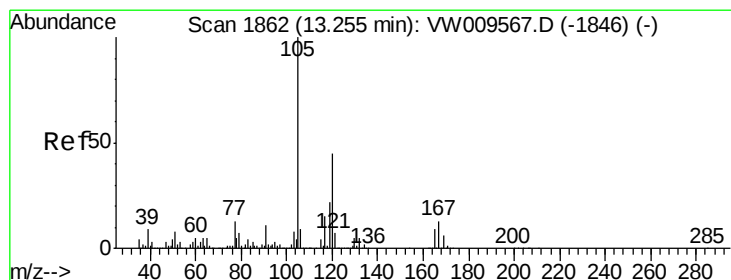
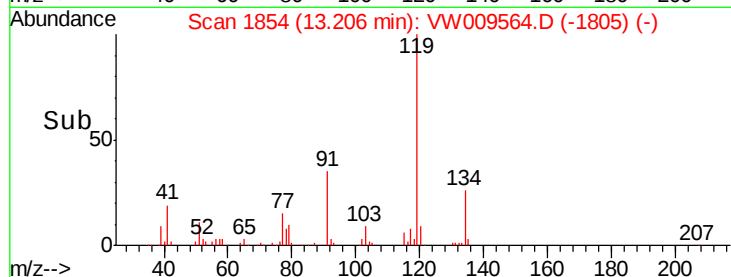
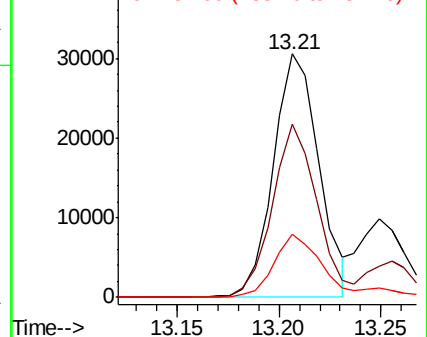
#83
 tert-Butylbenzene
 Concen: 4.116 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 47668
 Ion Ratio Lower Upper
 119 100
 91 70.1 34.4 103.2
 134 26.4 12.7 38.1

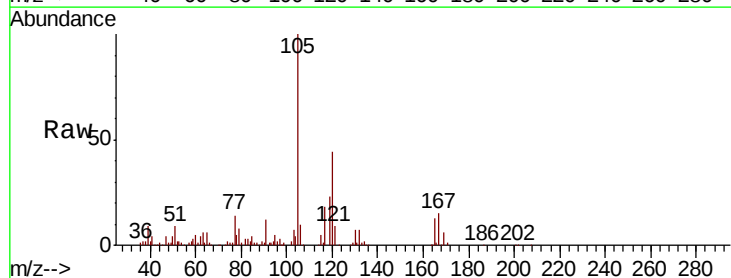


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VW
 Ion 134.00 (133.70 to 134.70): V

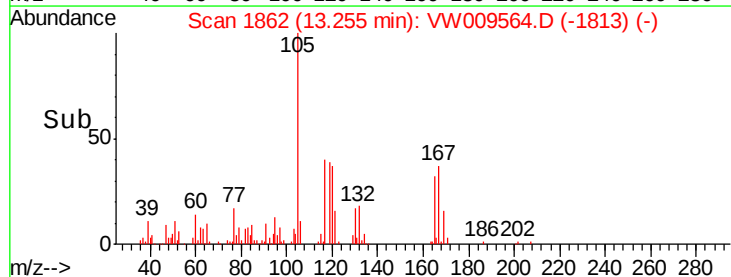
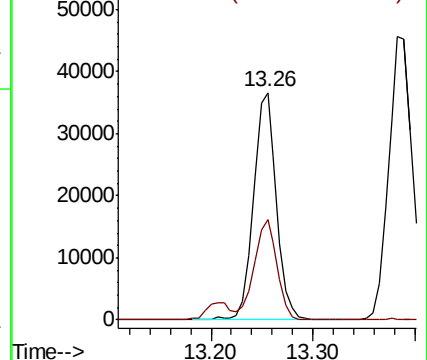


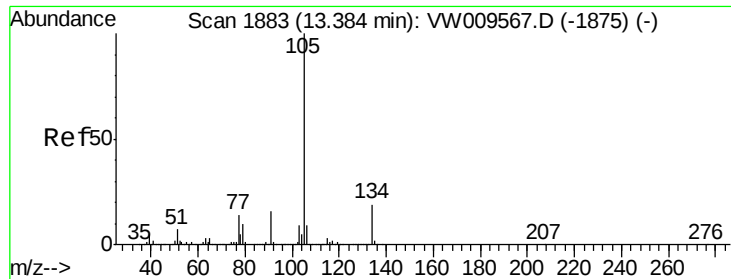
#84
 1,2,4-Trimethylbenzene
 Concen: 4.083 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion:105 Resp: 57376
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.8 68.3



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

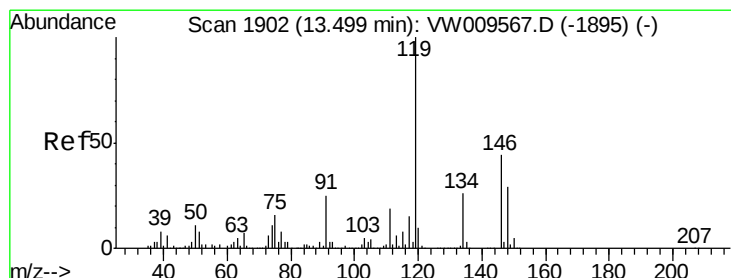
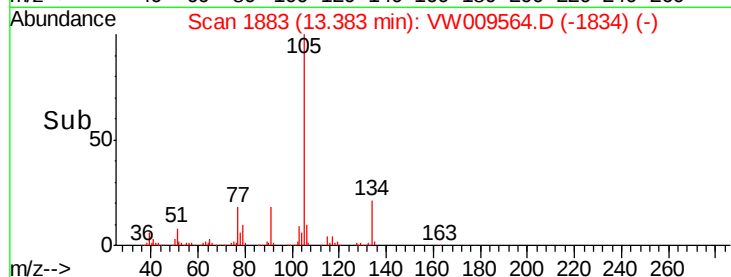
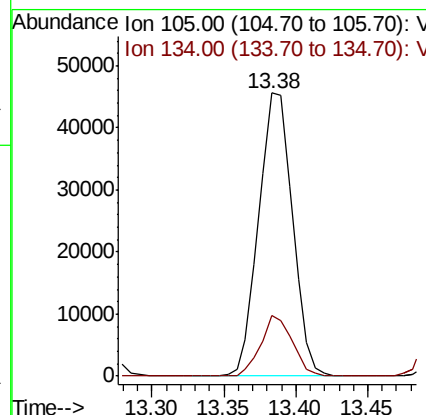
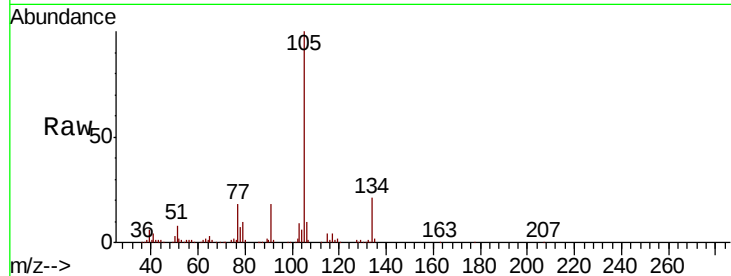




#85
 sec-Butylbenzene
 Concen: 4.208 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

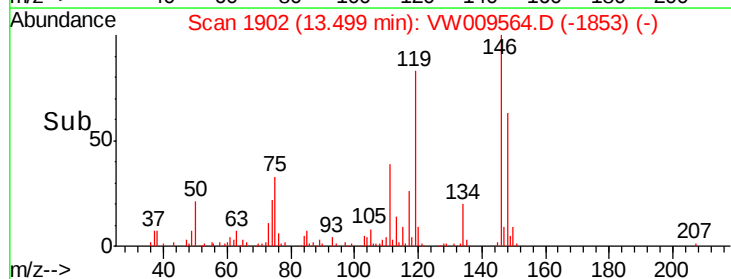
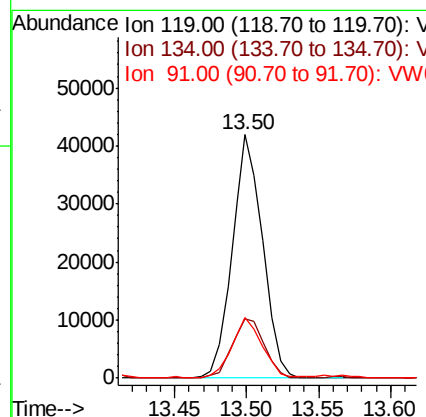
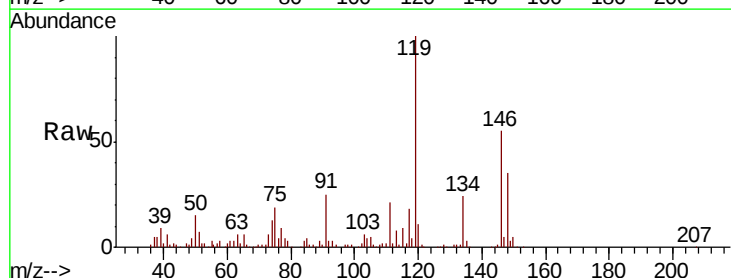
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

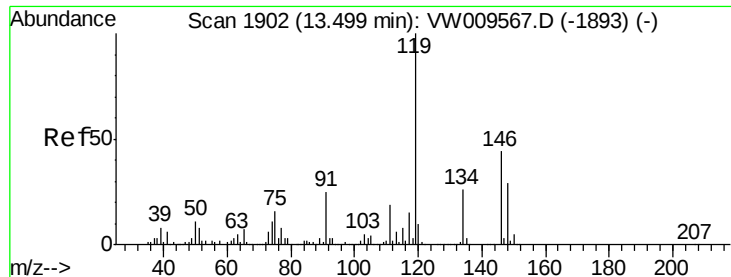
Tgt Ion:105 Resp: 74002
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 4.045 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion:119 Resp: 61827
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.1 39.3
 91 25.2 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 4.932 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

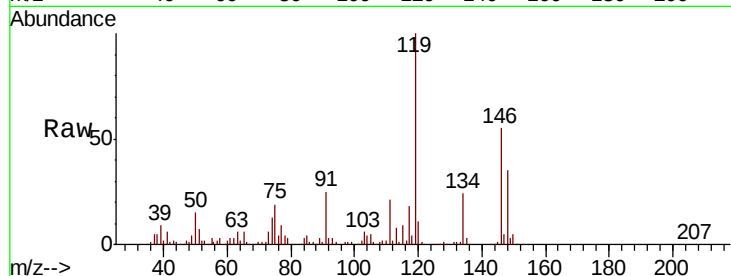
Tgt Ion:146 Resp: 36395

Ion Ratio Lower Upper

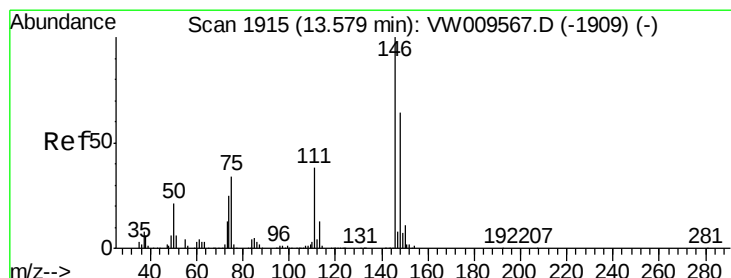
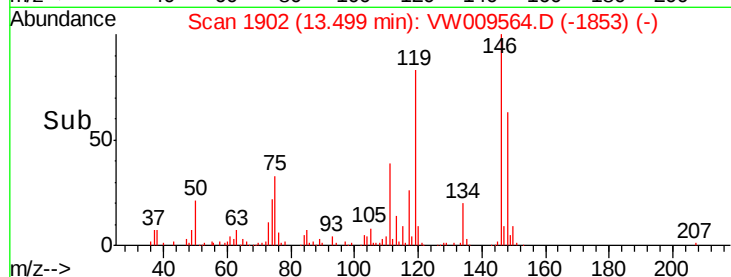
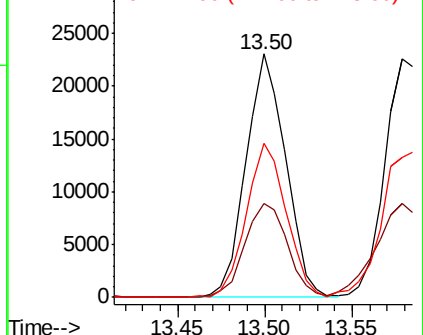
146 100

111 41.7 20.1 60.2

148 63.6 31.4 94.3



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



#88

1,4-Dichlorobenzene

Concen: 5.031 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

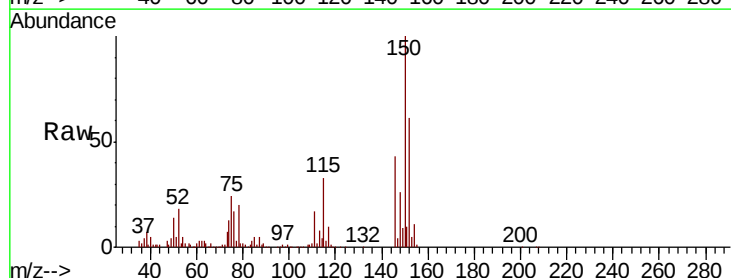
Tgt Ion:146 Resp: 36907

Ion Ratio Lower Upper

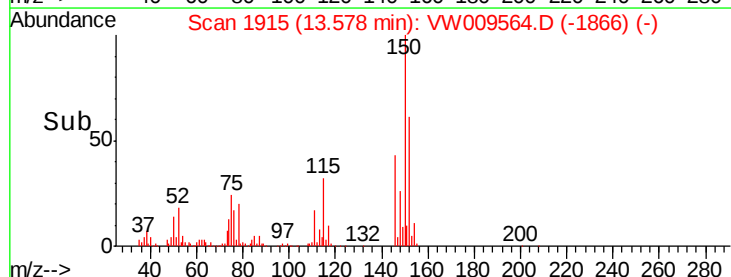
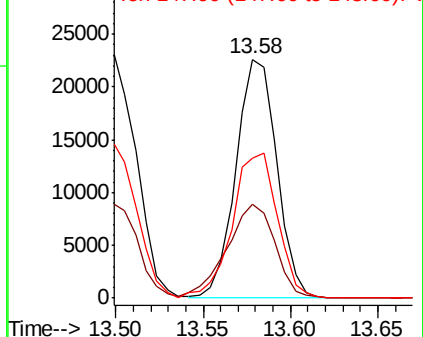
146 100

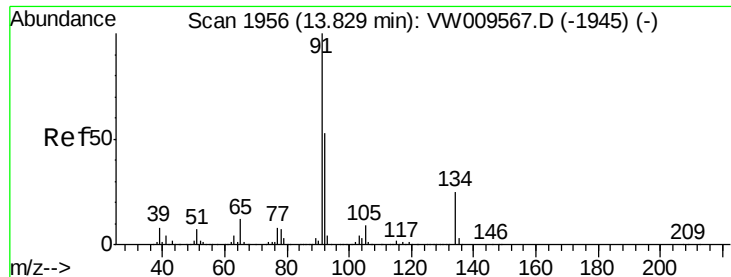
111 46.2 19.9 59.6

148 67.0 32.2 96.6



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





#89

n-Butylbenzene

Concen: 4.252 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

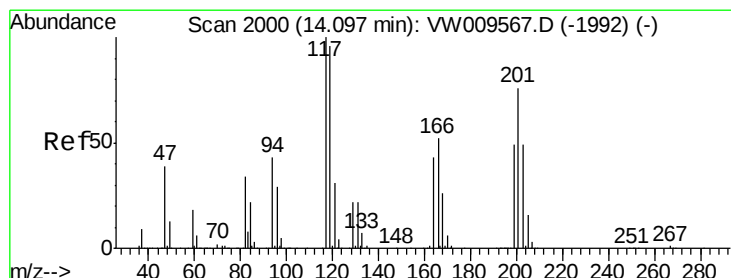
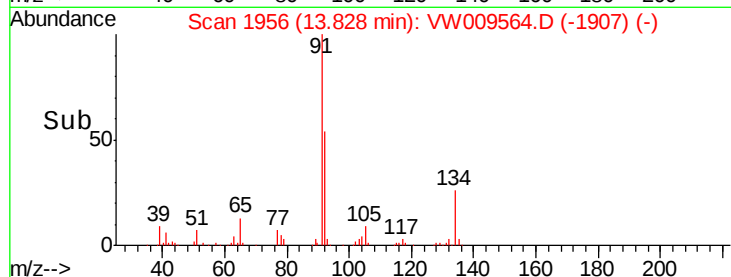
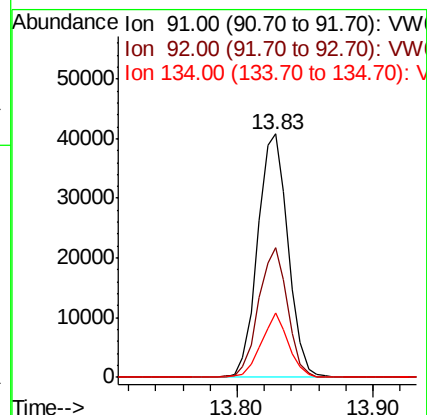
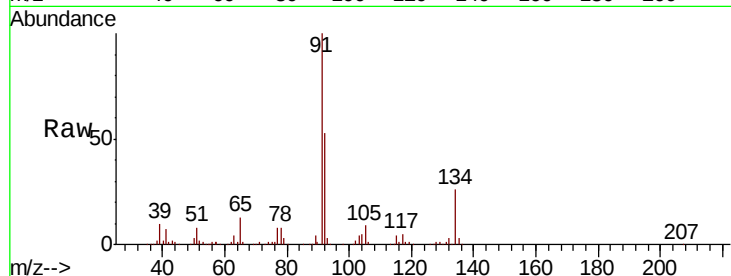
Tgt Ion: 91 Resp: 64008

Ion Ratio Lower Upper

91 100

92 50.7 26.4 79.0

134 23.6 12.9 38.6



#90

Hexachloroethane

Concen: 4.550 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009564.D

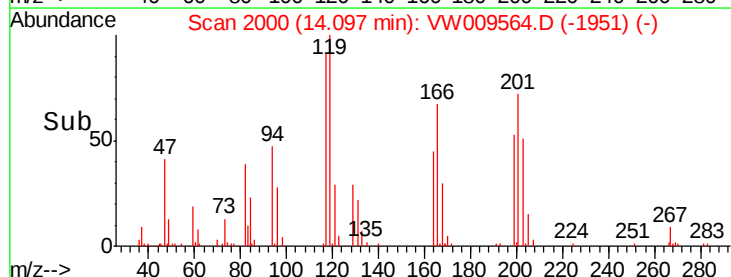
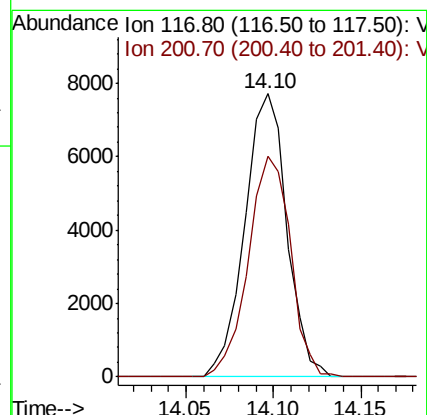
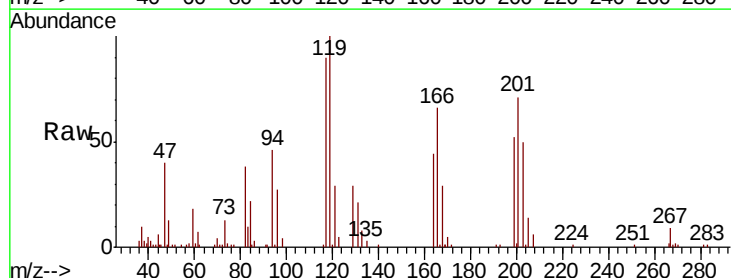
Acq: 29 Mar 2019 09:54

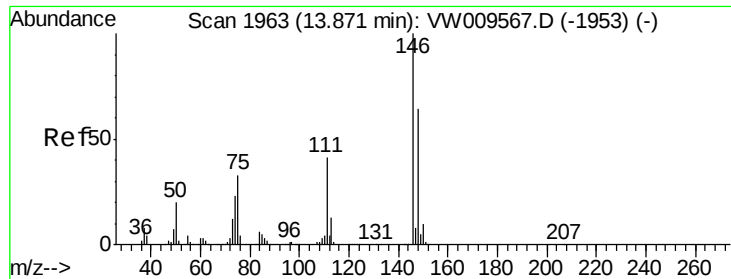
Tgt Ion: 117 Resp: 12884

Ion Ratio Lower Upper

117 100

201 78.5 38.2 114.6

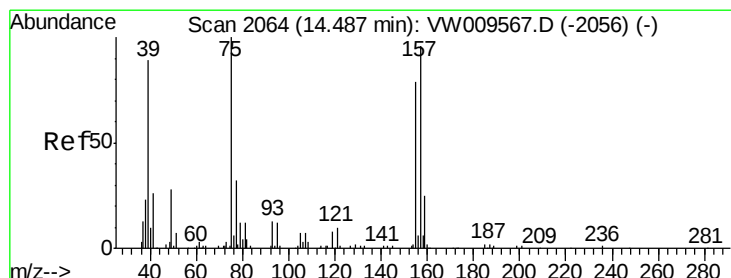
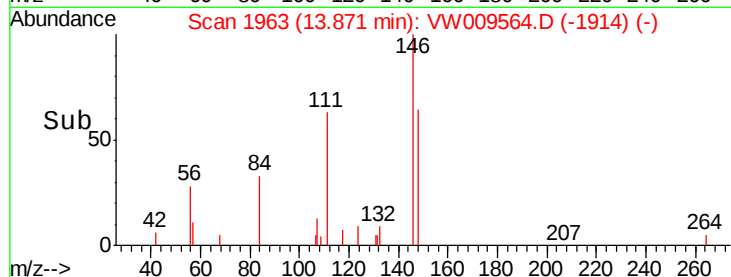
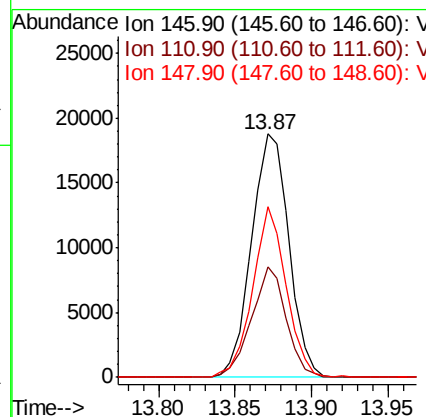
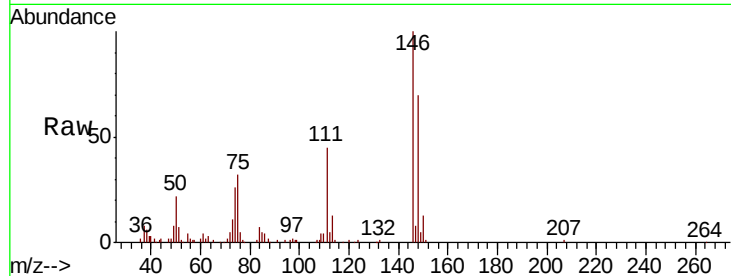




#91
 1,2-Dichlorobenzene
 Concen: 4.811 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

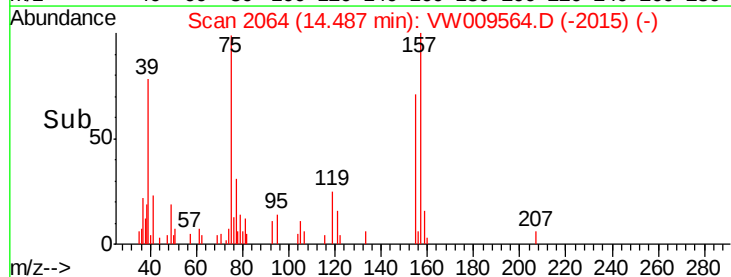
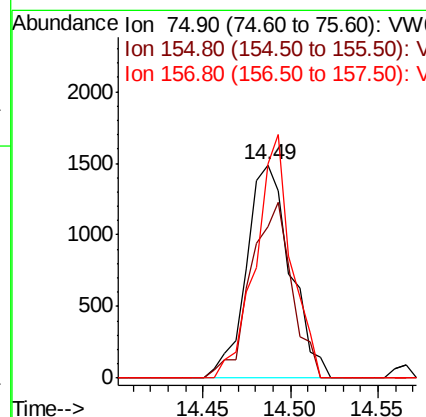
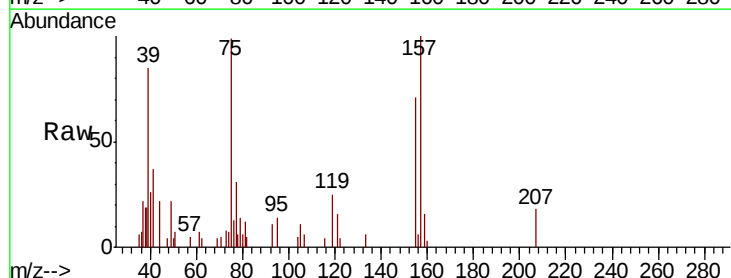
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

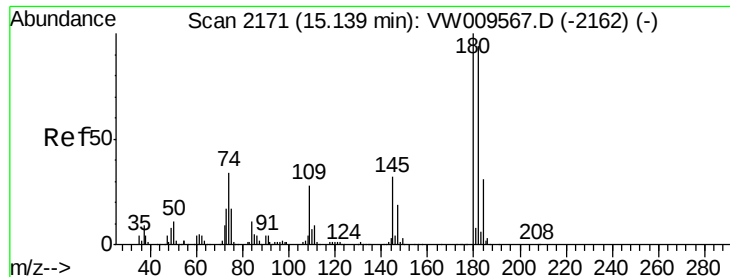
Tgt Ion: 146 Resp: 31953
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.4 61.2
 148 62.6 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.998 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion: 75 Resp: 2610
 Ion Ratio Lower Upper
 75 100
 155 76.9 39.3 117.8
 157 92.9 49.5 148.5

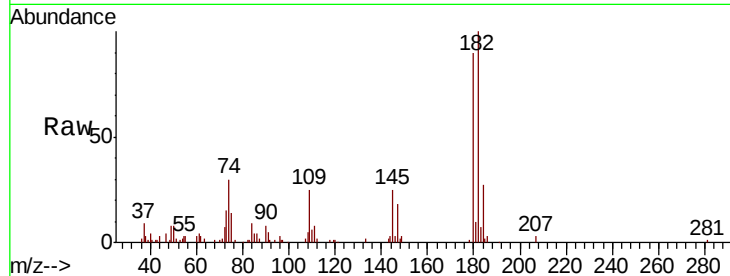




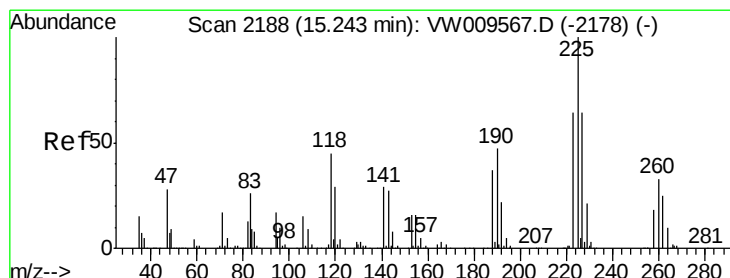
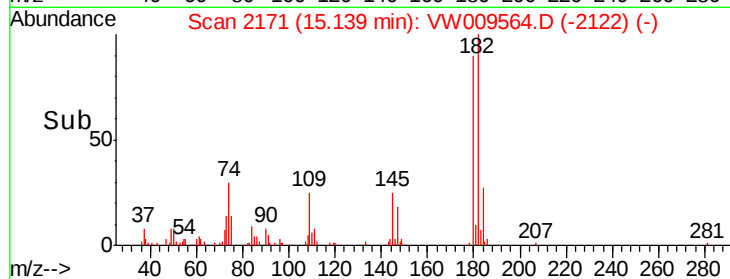
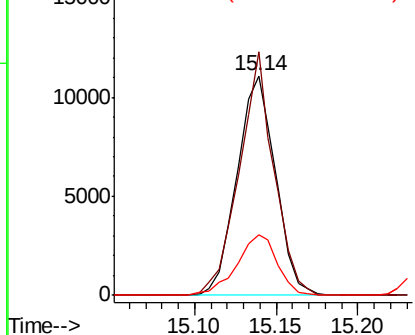
#93
 1,2,4-Trichlorobenzene
 Concen: 4.130 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 18170
 Ion Ratio Lower Upper
 180 100
 182 99.5 47.9 143.7
 145 29.1 15.0 45.0

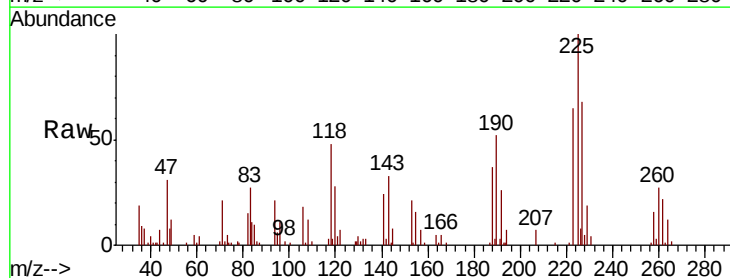


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

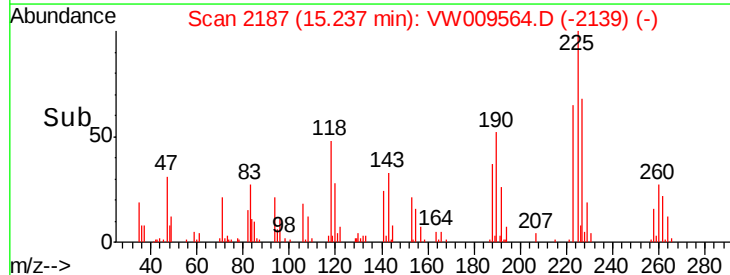
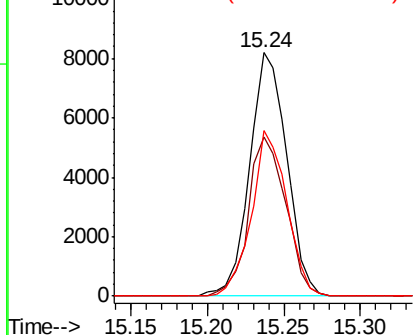


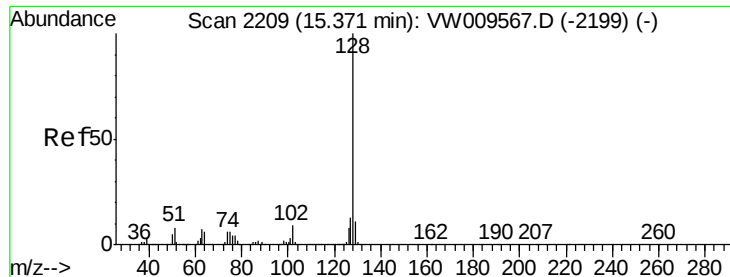
#94
 Hexachlorobutadiene
 Concen: 5.054 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion:225 Resp: 13823
 Ion Ratio Lower Upper
 225 100
 223 65.7 31.4 94.3
 227 64.7 32.1 96.5



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





#95

Naphthalene

Concen: 3.471 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

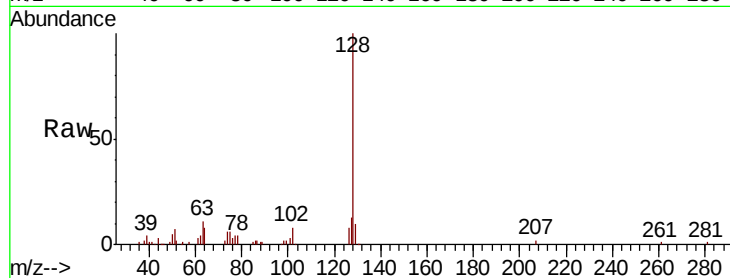
Tgt Ion:128 Resp: 28334

Ion Ratio Lower Upper

128 100

127 15.1 10.8 16.2

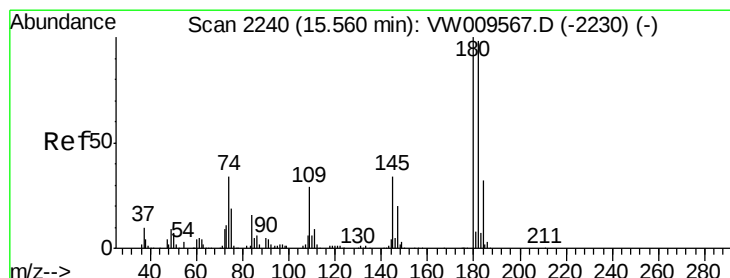
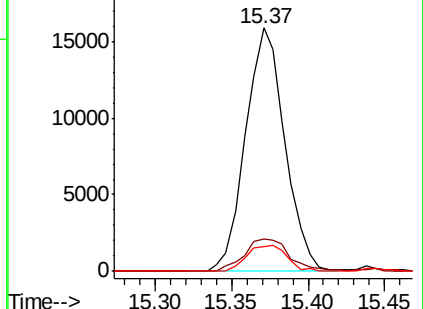
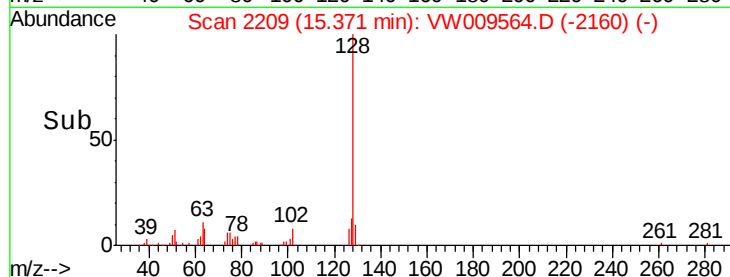
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.148 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

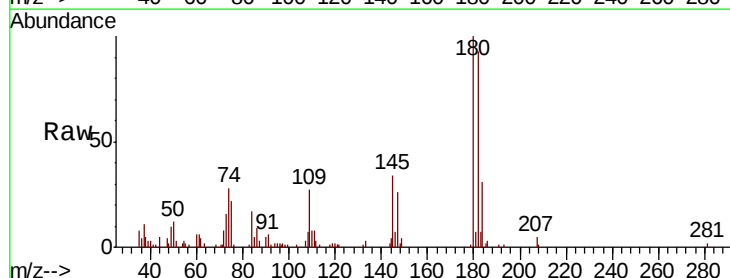
Tgt Ion:180 Resp: 16081

Ion Ratio Lower Upper

180 100

182 98.0 47.3 141.9

145 33.1 16.0 48.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

