

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012419\
 Data File : VW008395.D
 Acq On : 24 Jan 2019 13:44
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 25 10:43:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 10:41:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	654660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1036009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	920499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	461547	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	31457	4.62	ug/l	0.00
Spiked Amount			Recovery	=	9.24%	
35) Dibromofluoromethane	7.88	113	29562	4.47	ug/l	0.00
Spiked Amount			Recovery	=	8.94%	
50) Toluene-d8	10.32	98	117015	4.50	ug/l	0.00
Spiked Amount			Recovery	=	9.00%	
62) 4-Bromofluorobenzene	12.62	95	47302	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	21988	5.330	ug/l	88
3) Chloromethane	2.21	50	31833	5.264	ug/l	99
4) Vinyl Chloride	2.36	62	40270	5.212	ug/l	95
5) Bromomethane	2.78	94	23650	4.039	ug/l	89
6) Chloroethane	2.92	64	22049	4.360	ug/l	100
7) Trichlorofluoromethane	3.26	101	22882	4.034	ug/l	98
8) Diethyl Ether	3.68	74	19417	4.936	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	33688	5.101	ug/l	97
10) Methyl Iodide	4.26	142	52070	4.888	ug/l	98
11) Tert butyl alcohol	5.17	59	16301	35.552	ug/l	99
12) 1,1-Dichloroethene	4.03	96	35206	5.241	ug/l	98
13) Acrolein	3.89	56	9065	21.803	ug/l	89
14) Allyl chloride	4.66	41	64412	5.736	ug/l	96
15) Acrylonitrile	5.36	53	37800	25.015	ug/l	98
16) Acetone	4.12	43	43510	27.511	ug/l	96
17) Carbon Disulfide	4.37	76	110113	5.387	ug/l	97
18) Methyl Acetate	4.67	43	25894	6.129	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	58879	5.726	ug/l	99
20) Methylene Chloride	4.91	84	45012	5.360	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	38541	5.108	ug/l	99
22) Diisopropyl ether	6.31	45	117281	5.349	ug/l	95
23) Vinyl Acetate	6.25	43	321817	27.460	ug/l	98
24) 1,1-Dichloroethane	6.21	63	67050	5.023	ug/l	98
25) 2-Butanone	7.17	43	54308	26.811	ug/l	95
26) 2,2-Dichloropropane	7.17	77	47860	5.618	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	40807	4.992	ug/l	97
28) Bromochloromethane	7.51	49	26699	4.855	ug/l	100
29) Tetrahydrofuran	7.52	42	34598	27.398	ug/l	95
30) Chloroform	7.67	83	65561	4.964	ug/l	91
31) Cyclohexane	7.95	56	79497	6.250	ug/l #	85
32) 1,1,1-Trichloroethane	7.87	97	62289	5.619	ug/l	93
36) 1,1-Dichloropropene	8.08	75	53961	5.177	ug/l	99
37) Ethyl Acetate	7.26	43	21574	5.019	ug/l #	93
38) Carbon Tetrachloride	8.06	117	55062	5.350	ug/l	97

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 Data File : VW008395.D
 Acq On : 24 Jan 2019 13:44
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 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 25 10:43:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 10:41:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	72564	5.853	ug/l	96
40) Benzene	8.32	78	151650	5.136	ug/l	98
41) Methacrylonitrile	7.48	41	15096	6.033	ug/l	98
42) 1,2-Dichloroethane	8.40	62	43820	5.308	ug/l	97
43) Isopropyl Acetate	8.43	43	50986	6.280	ug/l	97
44) Trichloroethene	9.09	130	40155	4.964	ug/l	99
45) 1,2-Dichloropropane	9.37	63	37747	5.147	ug/l	98
46) Dibromomethane	9.46	93	18353	4.801	ug/l	97
47) Bromodichloromethane	9.64	83	51639	5.477	ug/l	99
48) Methyl methacrylate	9.43	41	23223	6.076	ug/l	96
49) 1,4-Dioxane	9.45	88	6810	110.671	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	126675	30.812	ug/l	100
52) Toluene	10.38	92	97671	5.227	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	52084	5.535	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	61481	5.542	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	27225	5.135	ug/l	97
56) Ethyl methacrylate	10.65	69	37222	5.978	ug/l	97
57) 1,3-Dichloropropane	10.93	76	46542	5.056	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	75489	25.135	ug/l	100
59) 2-Hexanone	10.97	43	85459	29.668	ug/l	99
60) Dibromochloromethane	11.13	129	32722	5.171	ug/l	100
61) 1,2-Dibromoethane	11.24	107	26232	5.110	ug/l	100
64) Tetrachloroethene	10.86	164	35214	5.456	ug/l	96
65) Chlorobenzene	11.66	112	101743	5.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	36572	5.292	ug/l	98
67) Ethyl Benzene	11.73	91	190700	5.470	ug/l	97
68) m/p-Xylenes	11.84	106	143675	10.618	ug/l	99
69) o-Xylene	12.17	106	67475	5.337	ug/l	99
70) Styrene	12.18	104	111523	5.492	ug/l	99
71) Bromoform	12.35	173	20203	5.869	ug/l #	99
73) Isopropylbenzene	12.47	105	188311	5.600	ug/l	99
74) N-amyl acetate	12.27	43	47504	6.591	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	29612	5.177	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	43422	10.331	ug/l	20
77) Bromobenzene	12.75	156	41054	5.082	ug/l	99
78) n-propylbenzene	12.80	91	226544	5.566	ug/l	100
79) 2-Chlorotoluene	12.90	91	126690	5.447	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	157058	5.597	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11006	6.249	ug/l	93
82) 4-Chlorotoluene	12.99	91	134805	5.547	ug/l	98
83) tert-Butylbenzene	13.21	119	141896	5.745	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	159101	5.565	ug/l	99
85) sec-Butylbenzene	13.39	105	197227	5.561	ug/l	98
86) p-Isopropyltoluene	13.50	119	172866	5.581	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	81366	5.070	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	82387	5.124	ug/l	95
89) n-Butylbenzene	13.83	91	170521	5.739	ug/l	99
90) Hexachloroethane	14.10	117	35811	6.247	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	72592	5.123	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5538	5.921	ug/l	99

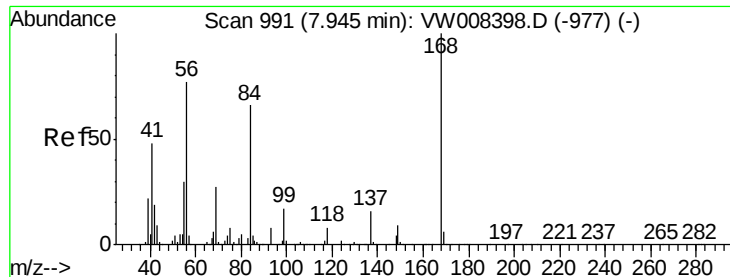
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012419\
Data File : VW008395.D
Acq On : 24 Jan 2019 13:44
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Jan 25 10:43:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 10:41:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	49844	5.196	ug/l	97
94) Hexachlorobutadiene	15.24	225	31962	5.912	ug/l	99
95) Naphthalene	15.38	128	87482	5.458	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	43036	5.151	ug/l	98

(#) = 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: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

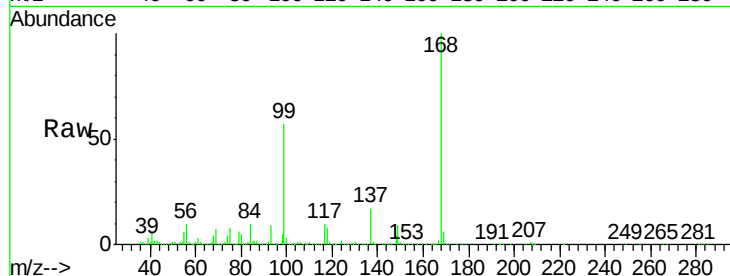
VSTDIC005

Tot Ion:168 Resp: 654660

Ion Ratio Lower Upper

168 100

99 56.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

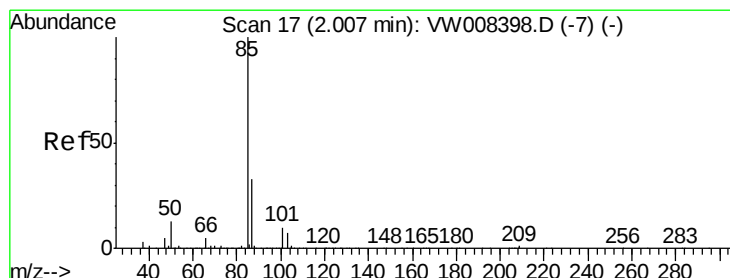
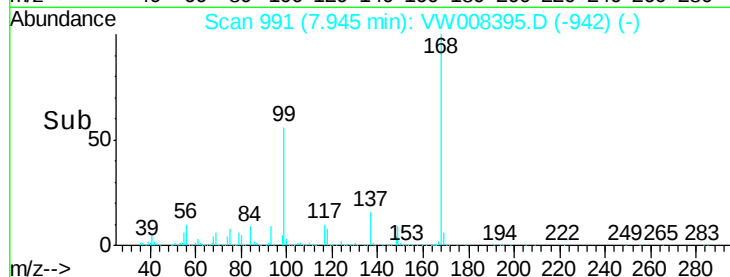
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 5.330 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008395.D

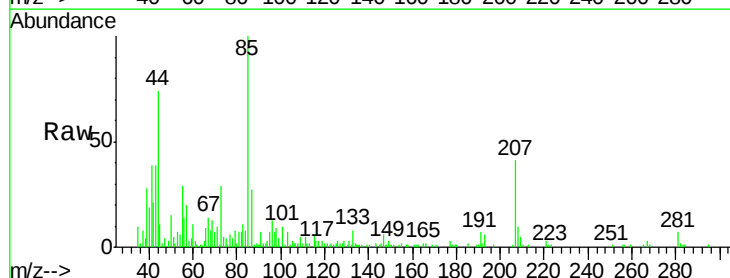
Acq: 24 Jan 2019 13:44

Tgt Ion: 85 Resp: 21988

Ion Ratio Lower Upper

85 100

87 26.7 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

8000

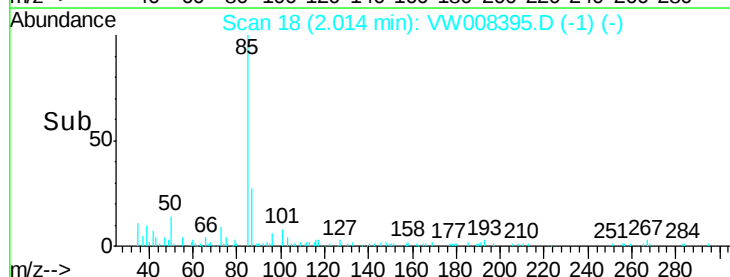
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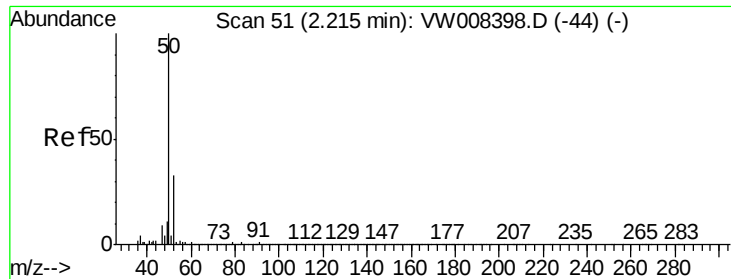
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 5.264 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

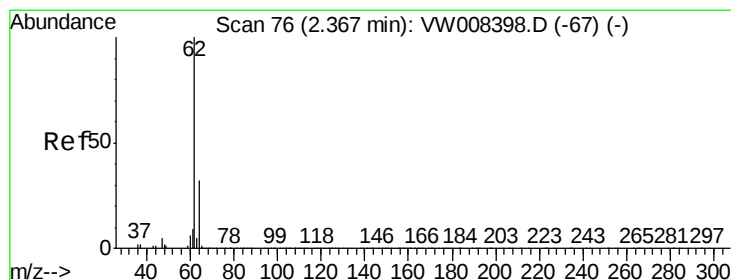
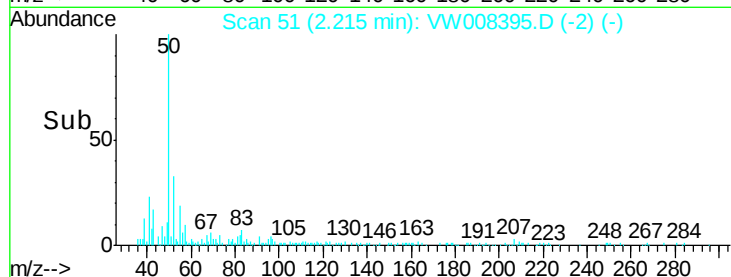
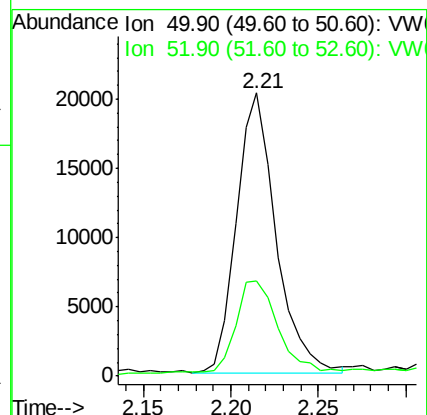
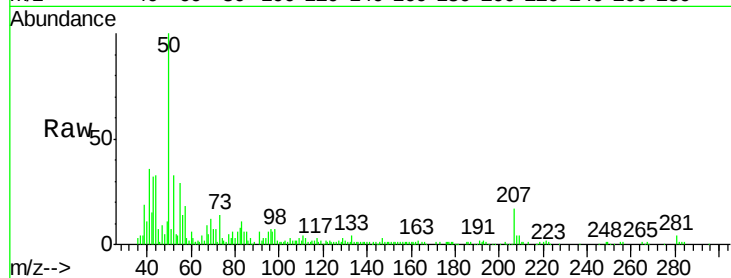
VSTDIC005

Tot Ion: 50 Resp: 31833

Ion Ratio Lower Upper

50 100

52 32.2 26.3 39.5



#4

Vinyl Chloride

Concen: 5.212 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008395.D

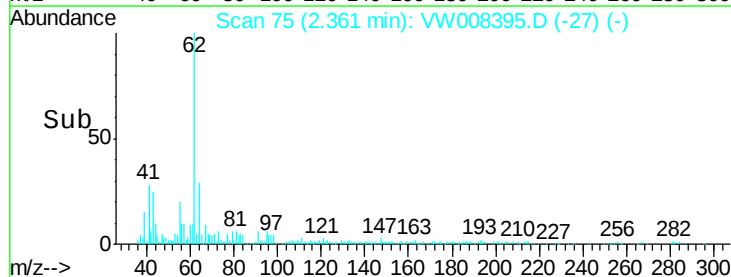
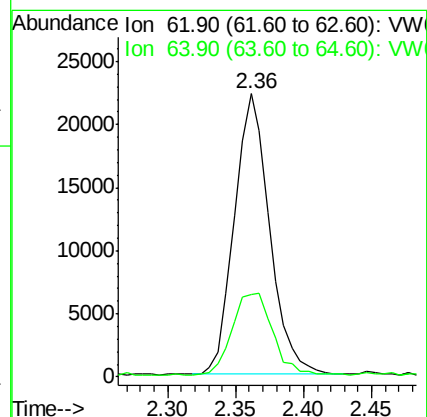
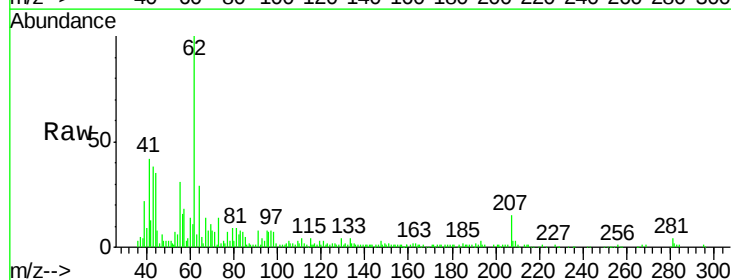
Acq: 24 Jan 2019 13:44

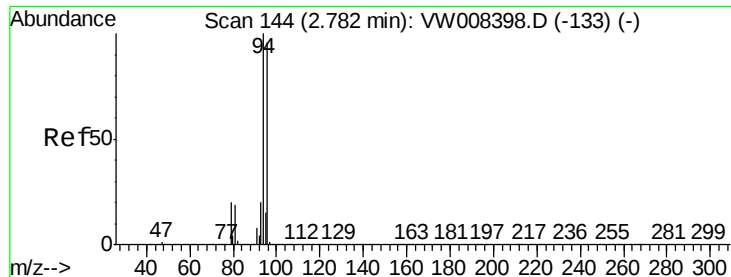
Tgt Ion: 62 Resp: 40270

Ion Ratio Lower Upper

62 100

64 28.9 25.5 38.3





#5

Bromomethane

Concen: 4.039 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

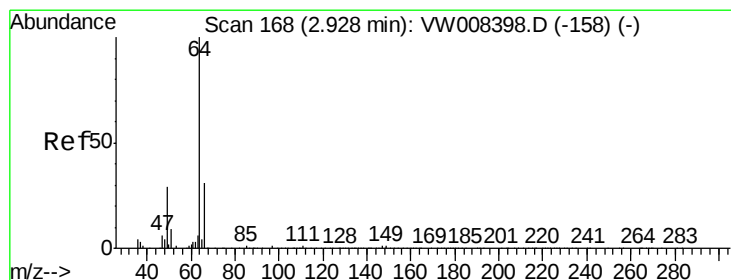
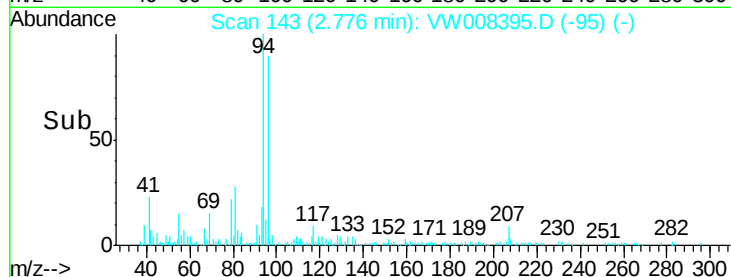
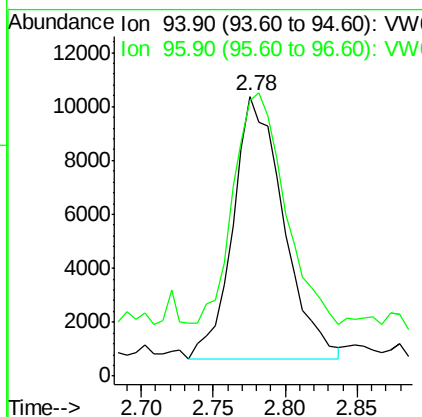
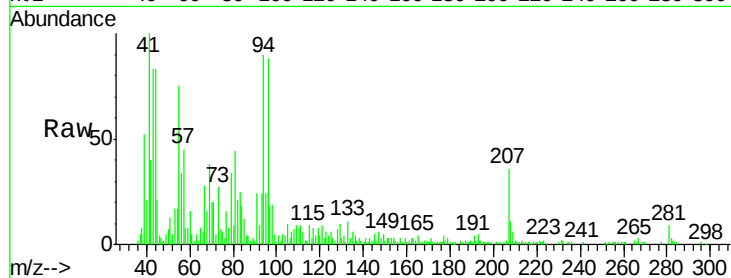
VSTDIC005

Tot Ion: 94 Resp: 23650

Ion Ratio Lower Upper

94 100

96 85.7 77.2 115.8



#6

Chloroethane

Concen: 4.360 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008395.D

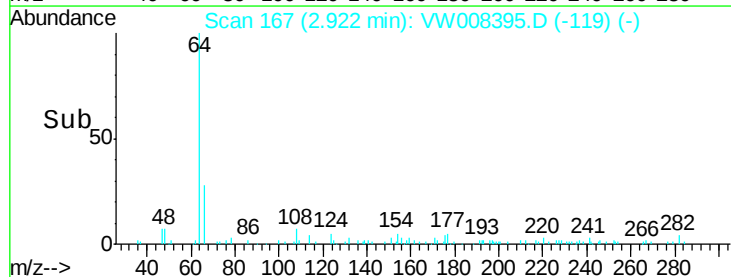
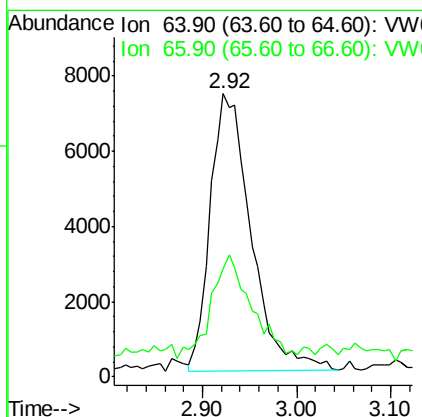
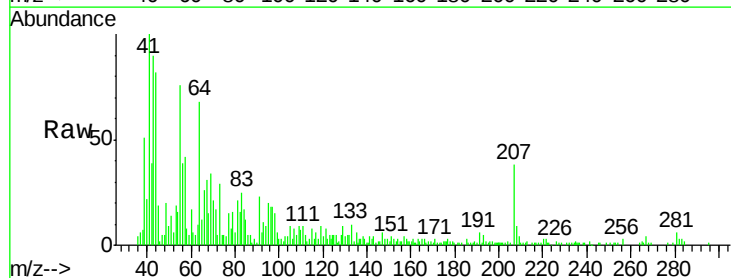
Acq: 24 Jan 2019 13:44

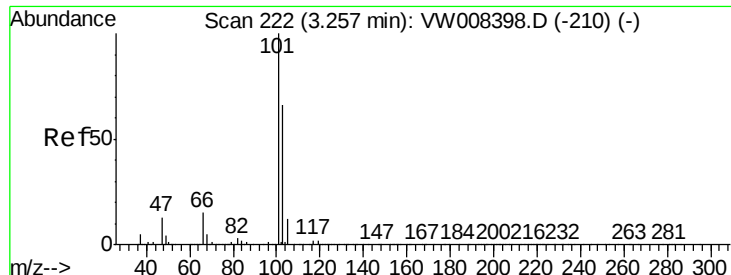
Tgt Ion: 64 Resp: 22049

Ion Ratio Lower Upper

64 100

66 31.3 24.9 37.3



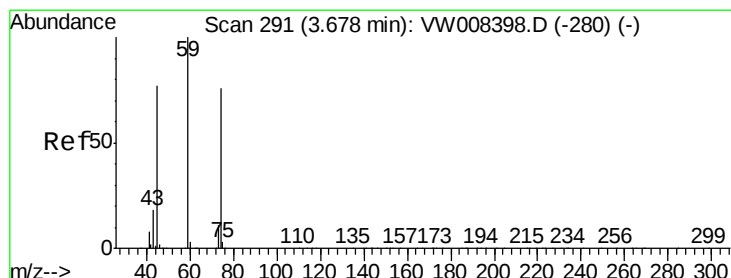
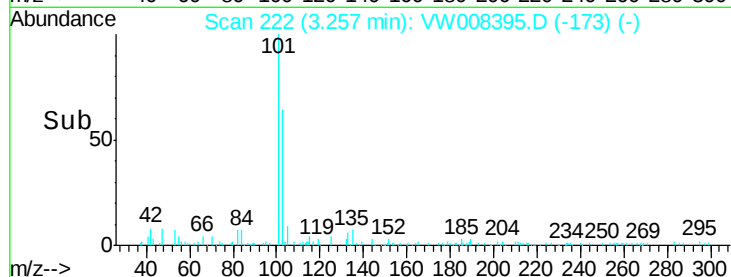
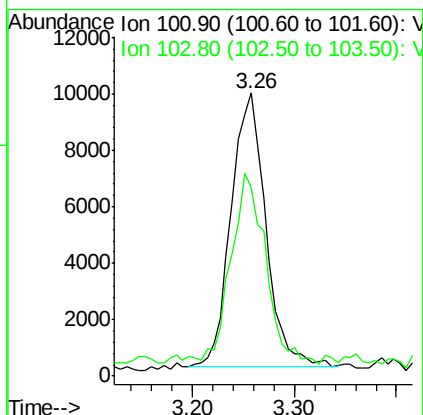
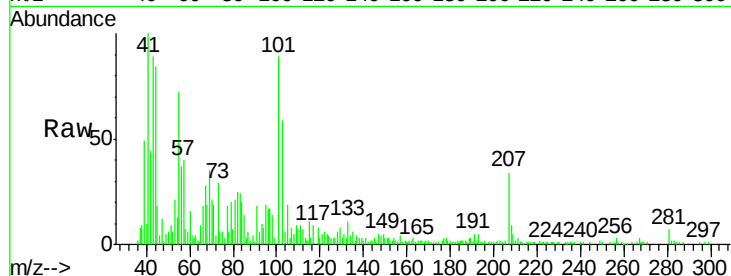


#7

Trichlorofluoromethane
Concen: 4.034 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

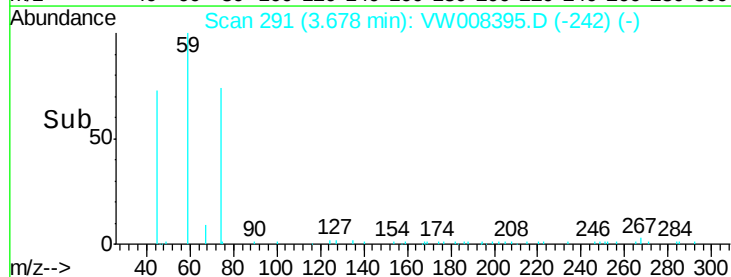
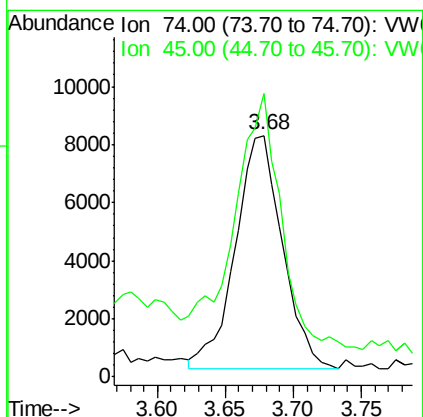
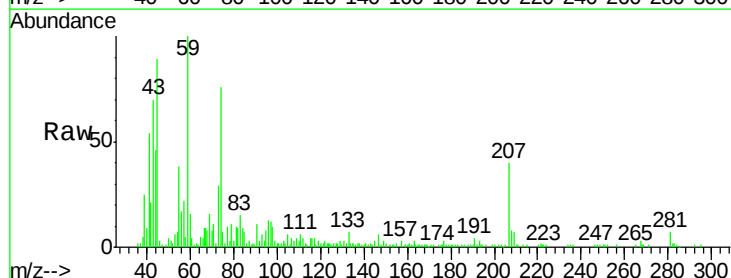
Tot Ion:101 Resp: 22882
Ion Ratio Lower Upper
101 100
103 64.2 52.5 78.7

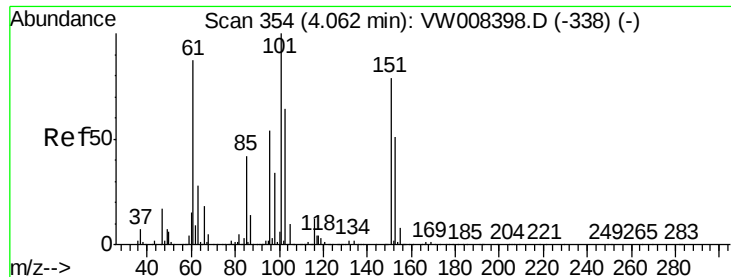


#8

Diethyl Ether
Concen: 4.936 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion: 74 Resp: 19417
Ion Ratio Lower Upper
74 100
45 112.7 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.101 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

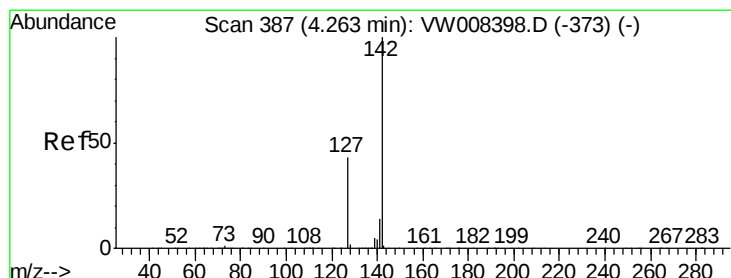
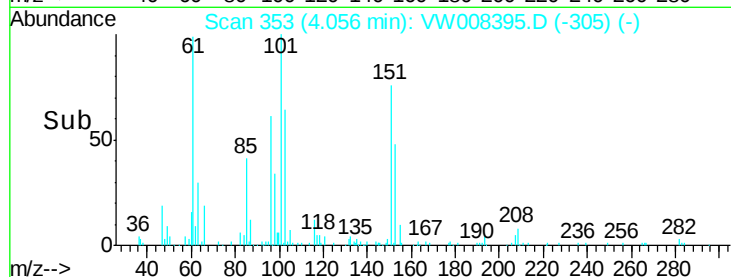
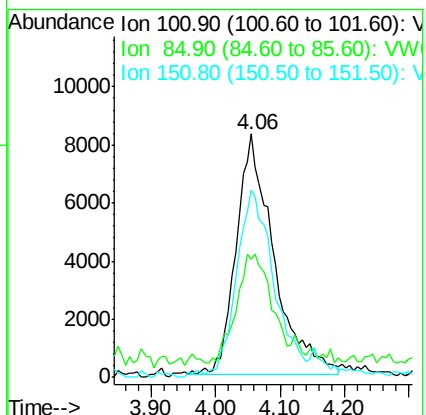
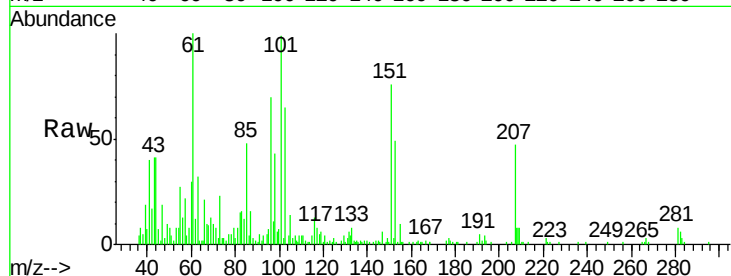
Tot Ion:101 Resp: 33688

Ion Ratio Lower Upper

101 100

85 42.2 35.0 52.4

151 75.6 62.6 94.0



#10

Methyl Iodide

Concen: 4.888 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

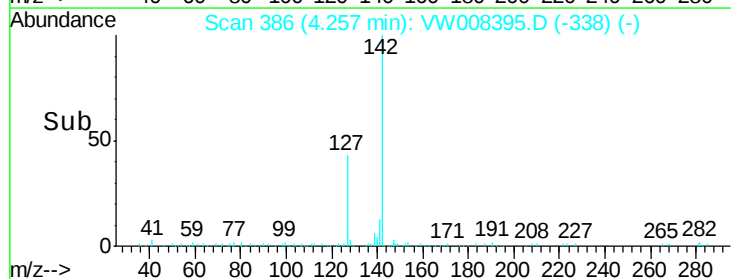
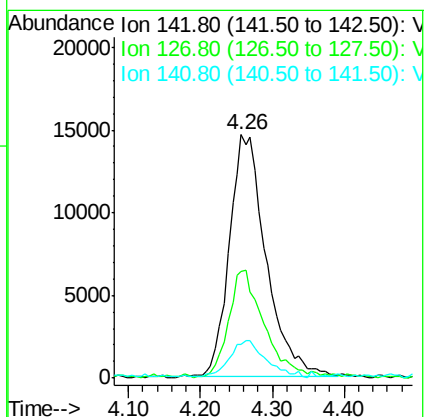
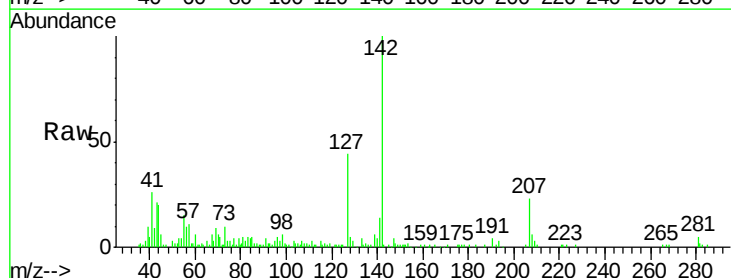
Tgt Ion:142 Resp: 52070

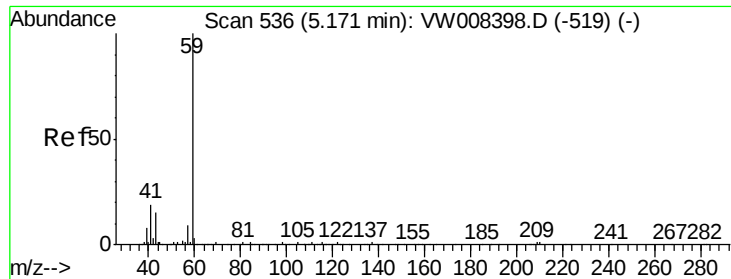
Ion Ratio Lower Upper

142 100

127 44.4 34.6 52.0

141 15.9 11.4 17.2



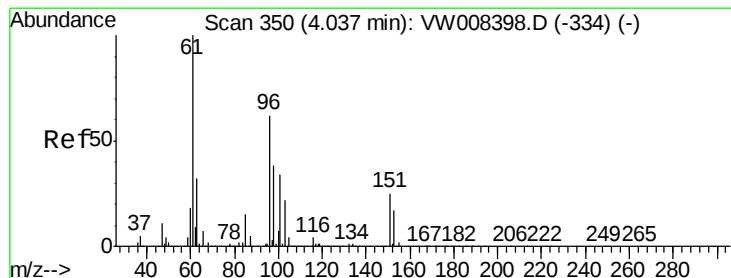
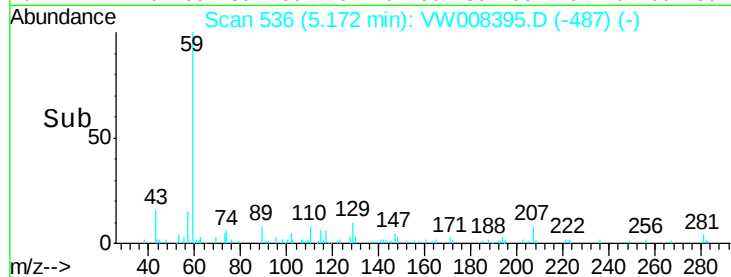
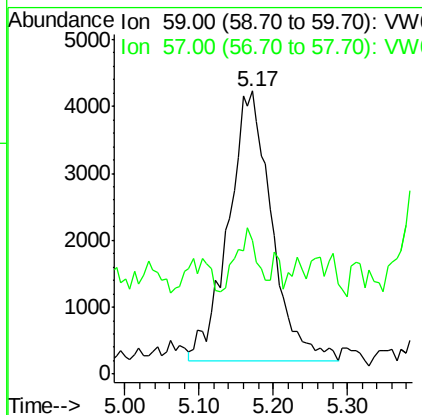
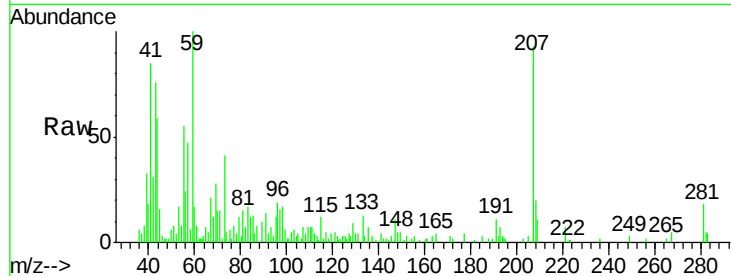


#11

Tert butyl alcohol
 Concen: 35.552 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

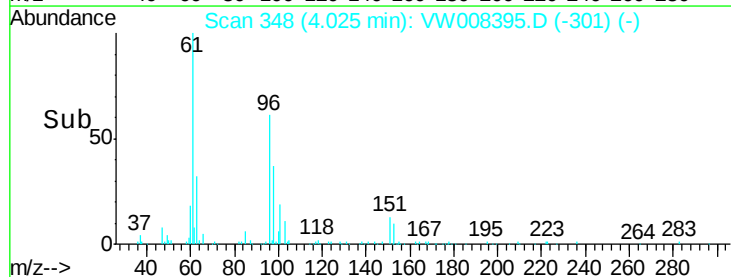
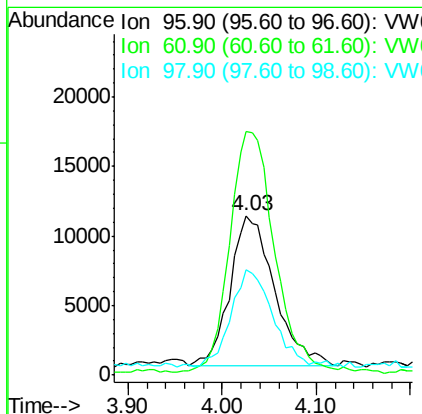
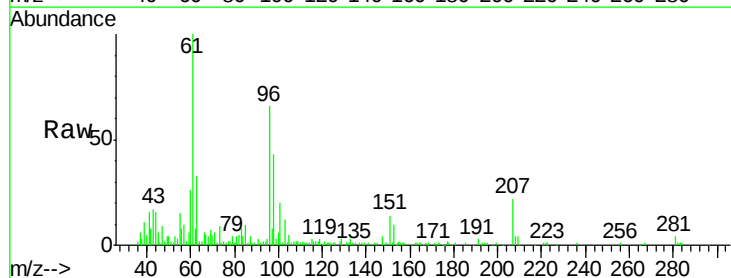
Tot Ion: 59 Resp: 16301
 Ion Ratio Lower Upper
 59 100
 57 11.4 9.3 13.9

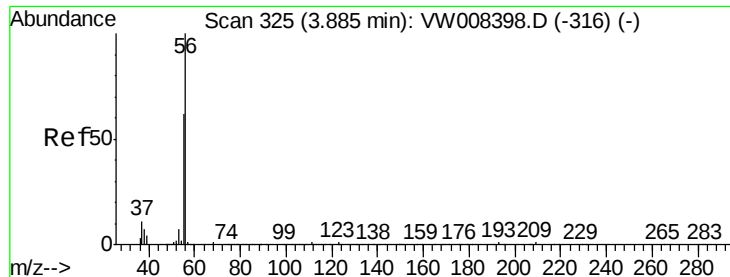


#12

1,1-Dichloroethene
 Concen: 5.241 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

Tgt Ion: 96 Resp: 35206
 Ion Ratio Lower Upper
 96 100
 61 159.6 129.5 194.3
 98 63.5 48.6 73.0





#13

Acrolein

Concen: 21.803 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

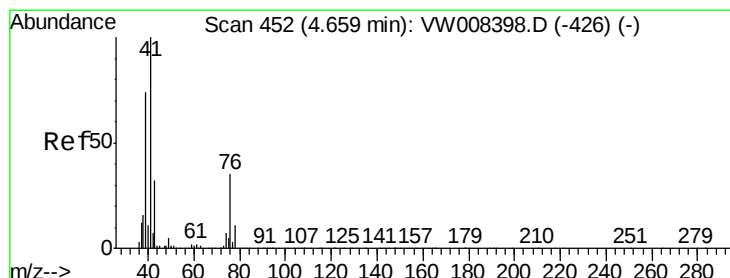
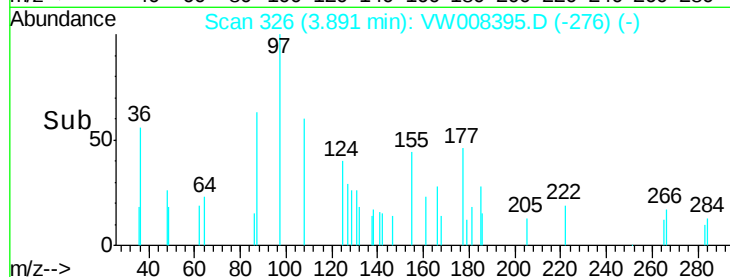
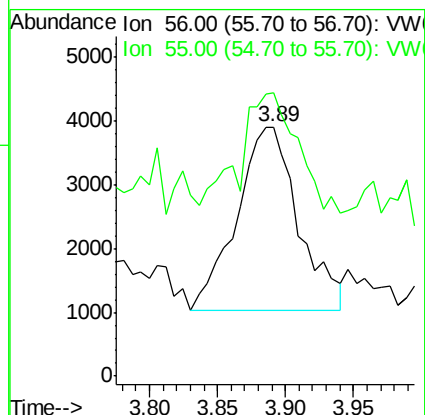
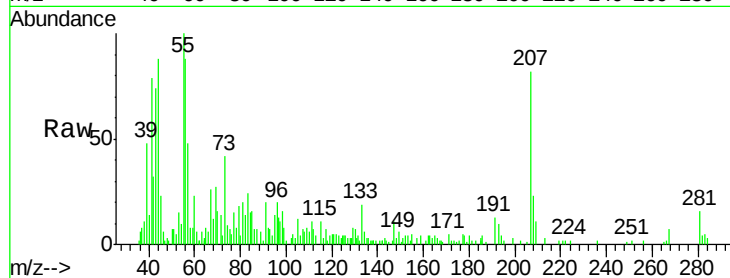
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 9065

Ion Ratio Lower Upper

56 100

55 61.7 56.7 85.1



#14

Allyl chloride

Concen: 5.736 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

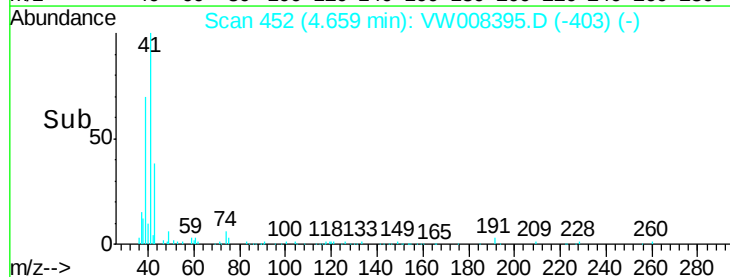
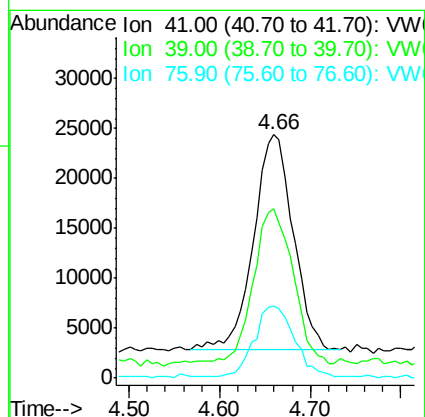
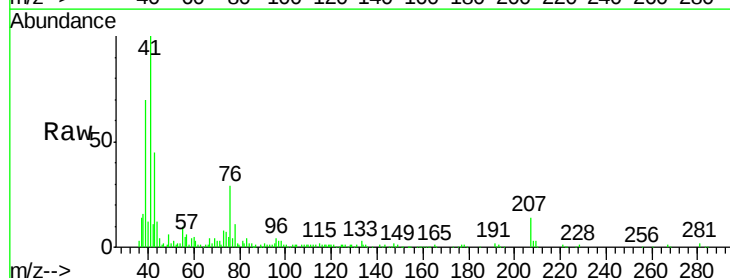
Tgt Ion: 41 Resp: 64412

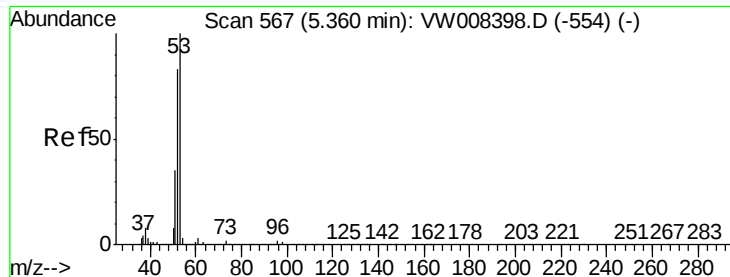
Ion Ratio Lower Upper

41 100

39 77.2 57.7 86.5

76 33.1 26.9 40.3





#15

Acrylonitrile

Concen: 25.015 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

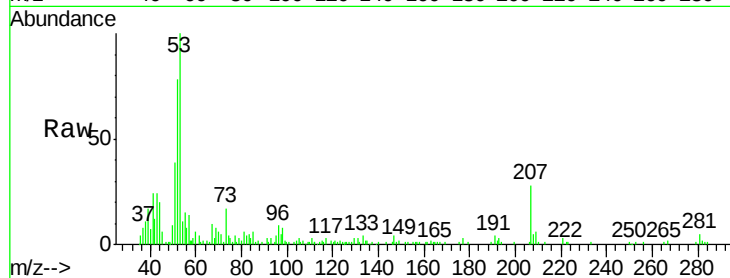
MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 53 Resp: 37800

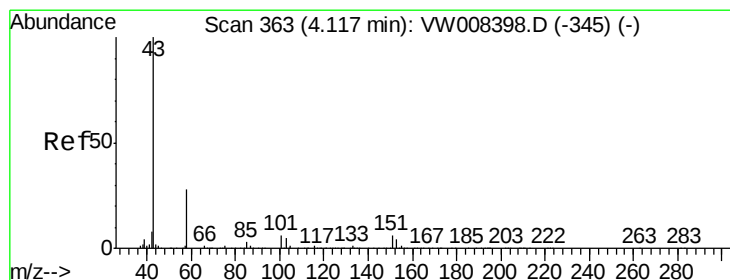
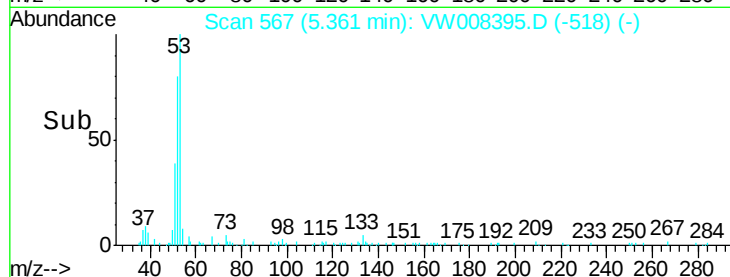
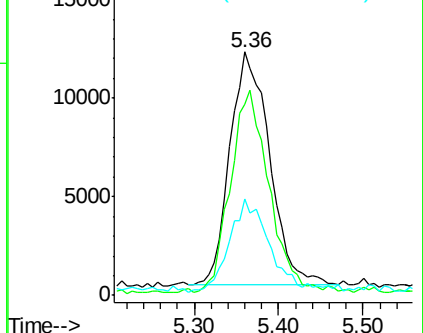
Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.0	100.4
51	39.9	29.8	44.8



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 27.511 ug/l

RT: 4.12 min Scan# 363

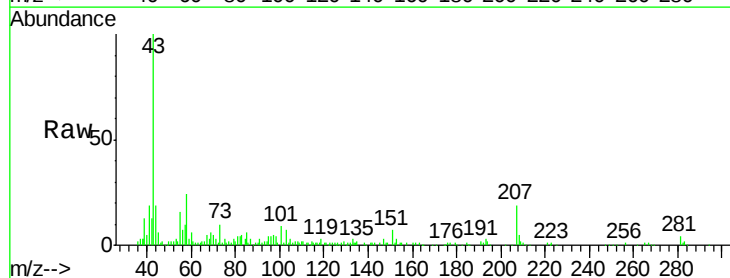
Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

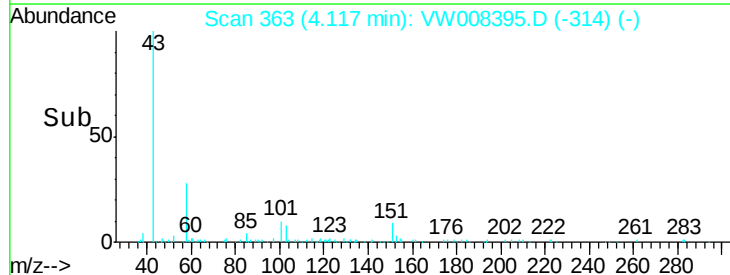
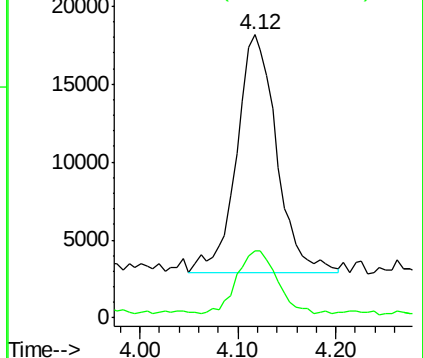
Tgt Ion: 43 Resp: 43510

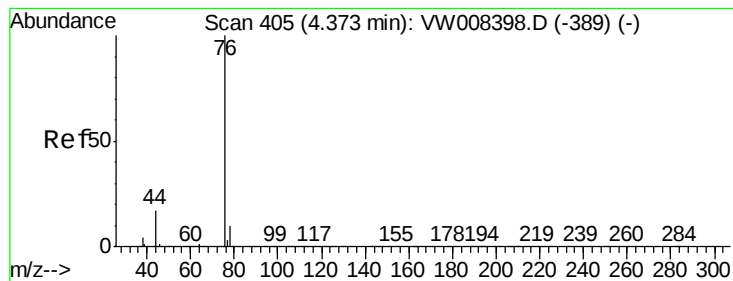
Ion	Ratio	Lower	Upper
43	100		
58	26.1	22.6	34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 5.387 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

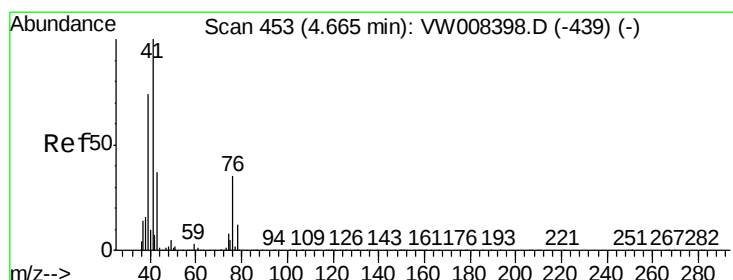
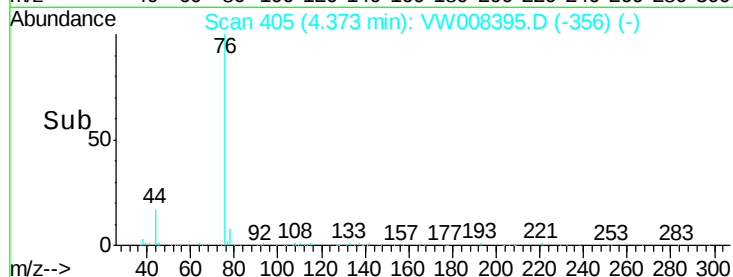
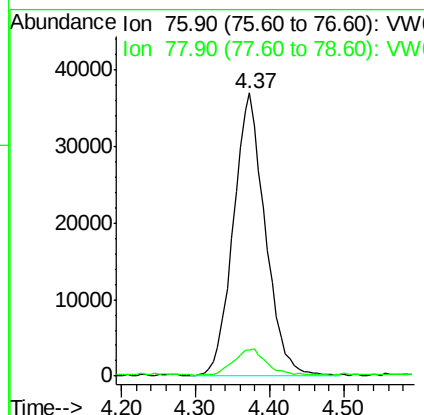
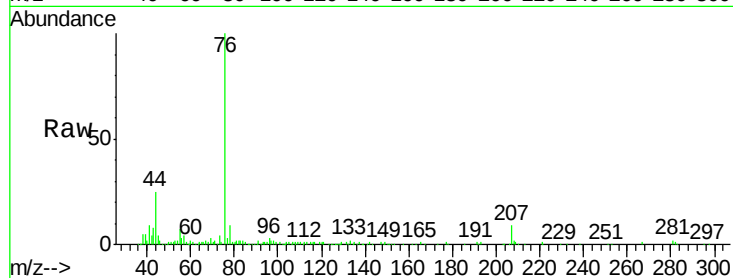
VSTDIC005

Tot Ion: 76 Resp: 110113

Ion Ratio Lower Upper

76 100

78 8.6 7.7 11.5



#18

Methyl Acetate

Concen: 6.129 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008395.D

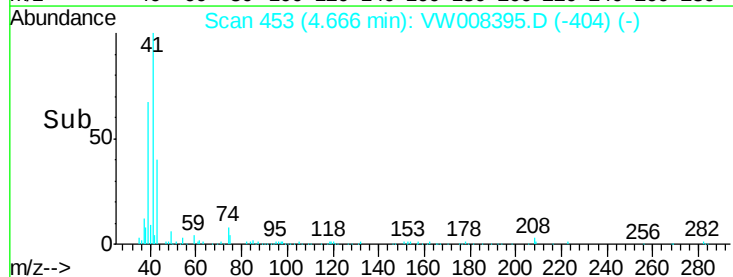
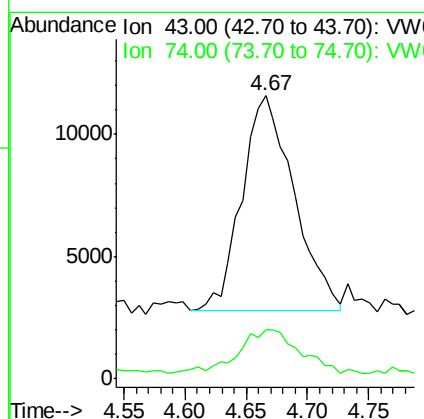
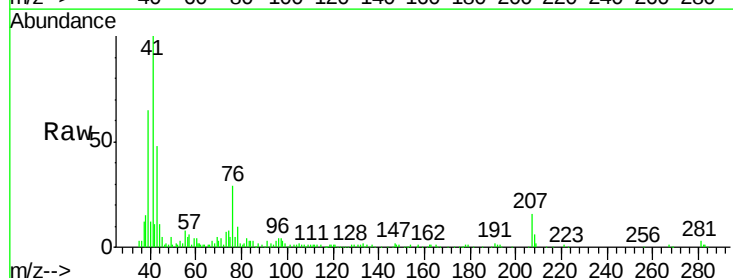
Acq: 24 Jan 2019 13:44

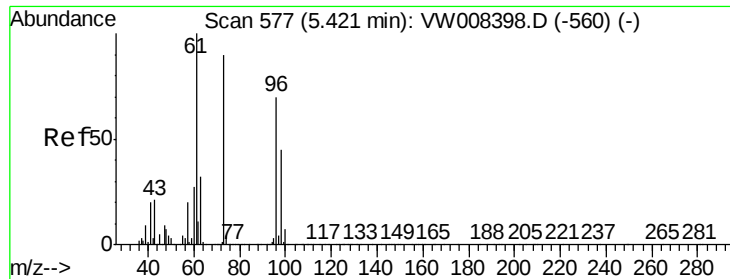
Tgt Ion: 43 Resp: 25894

Ion Ratio Lower Upper

43 100

74 24.4 17.5 26.3

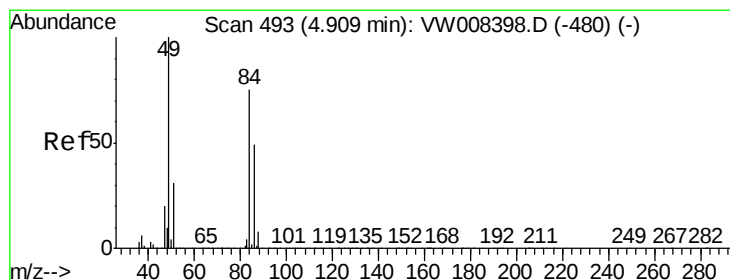
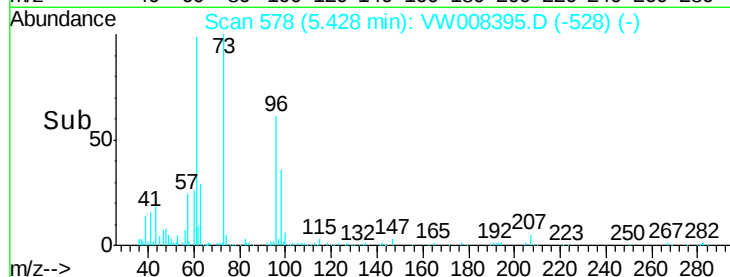
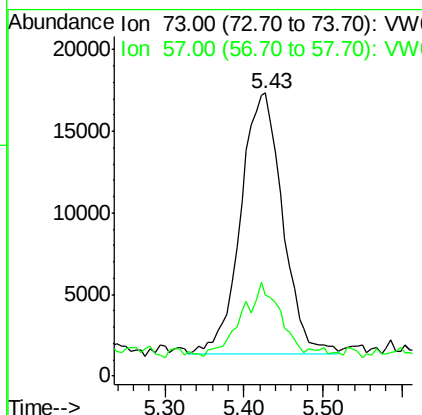
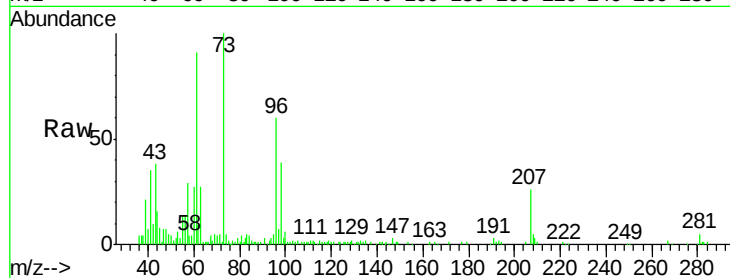




#19
Methyl tert-butyl Ether
Concen: 5.726 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

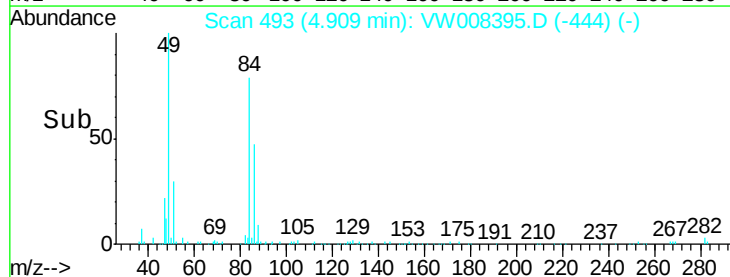
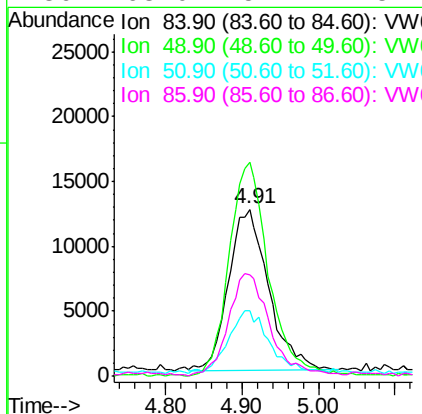
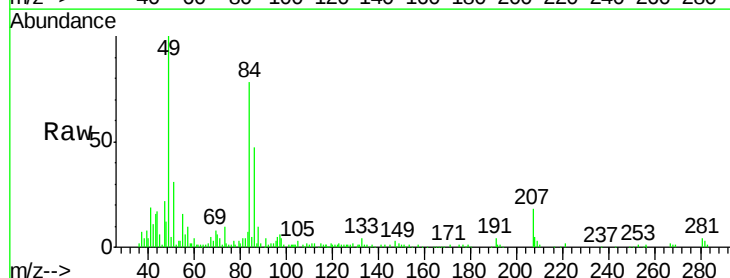
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

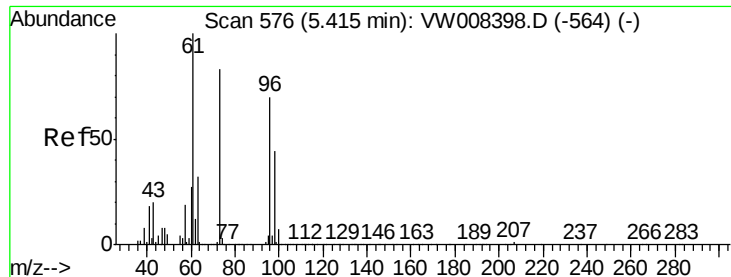
Tot Ion: 73 Resp: 58879
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0



#20
Methylene Chloride
Concen: 5.360 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion: 84 Resp: 45012
Ion Ratio Lower Upper
84 100
49 133.3 106.8 160.2
51 39.3 32.9 49.3
86 63.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 5.108 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

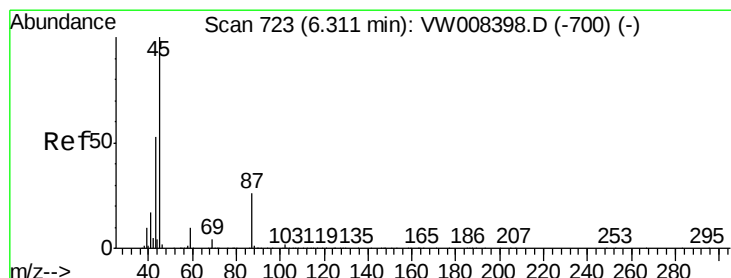
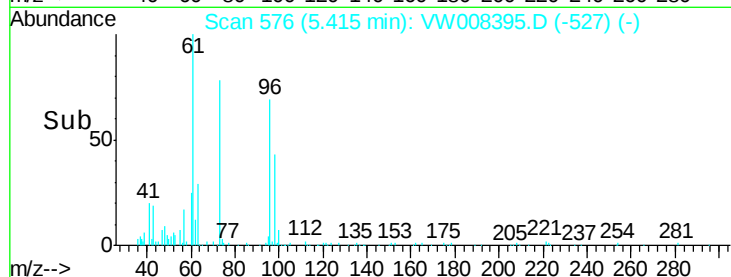
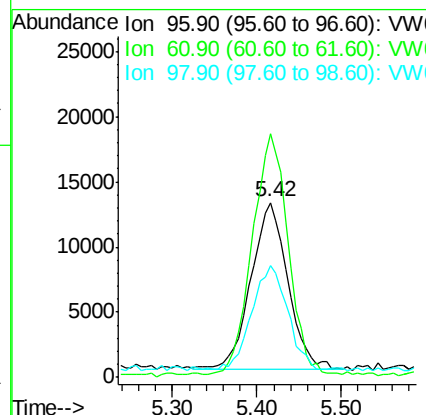
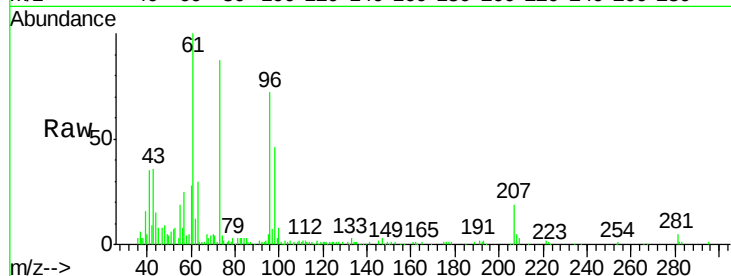
Tot Ion: 96 Resp: 38541

Ion Ratio Lower Upper

96 100

61 144.0 114.4 171.6

98 61.2 50.6 75.8



#22

Diisopropyl ether

Concen: 5.349 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Tgt Ion: 45 Resp: 117281

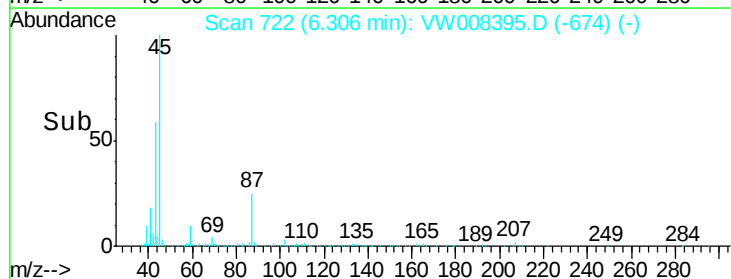
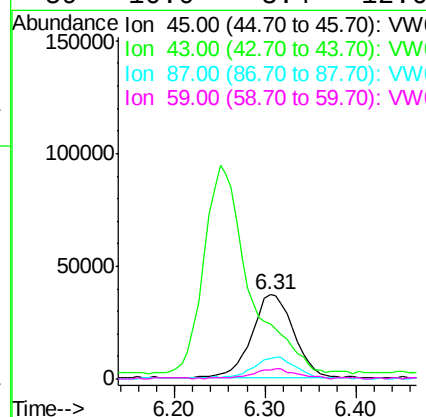
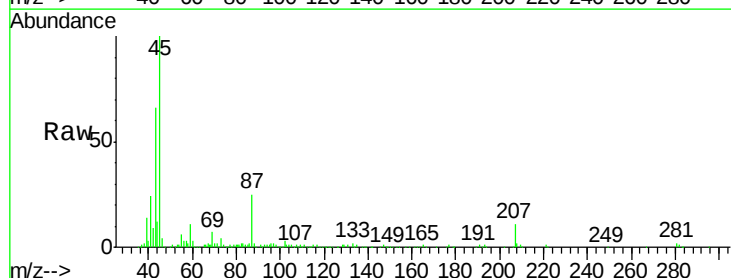
Ion Ratio Lower Upper

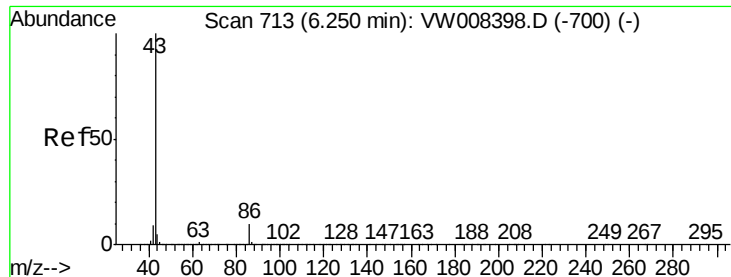
45 100

43 58.3 42.6 63.8

87 24.1 20.3 30.5

59 10.0 8.4 12.6





#23

Vinyl Acetate

Concen: 27.460 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

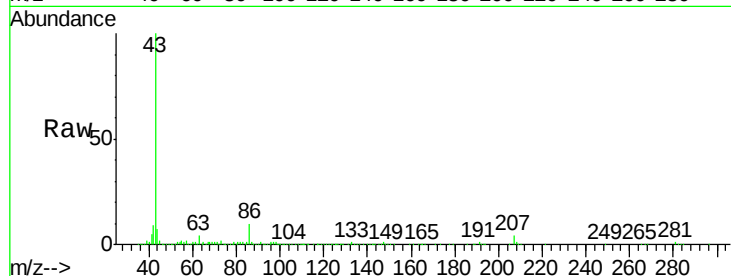
VSTDIC005

Tot Ion: 43 Resp: 321817

Ion Ratio Lower Upper

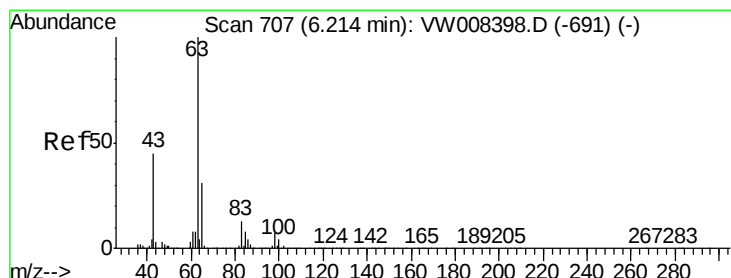
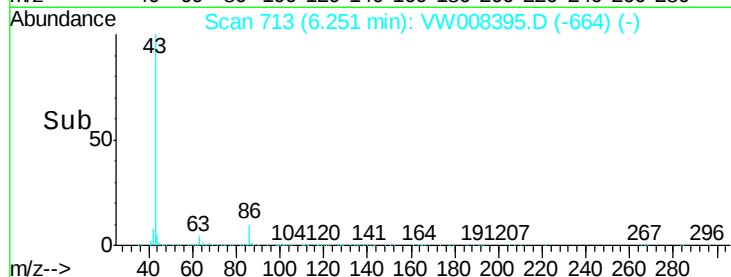
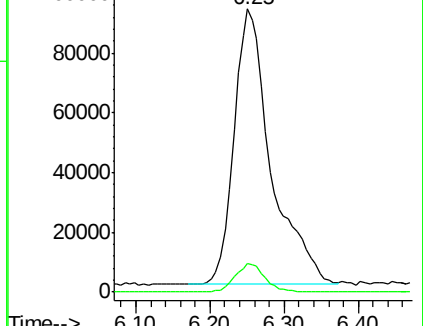
43 100

86 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 5.023 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

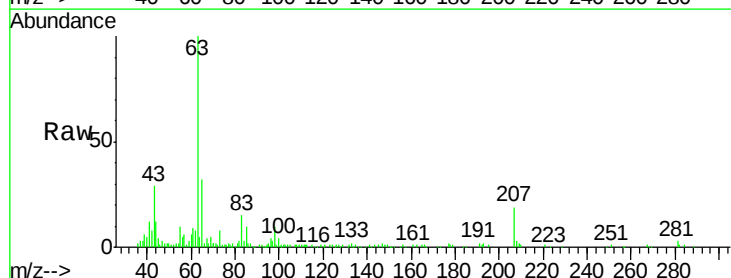
Tgt Ion: 63 Resp: 67050

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

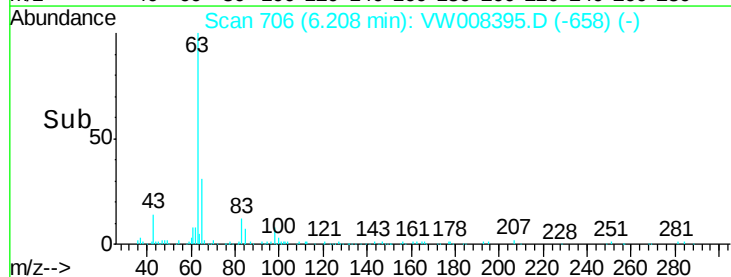
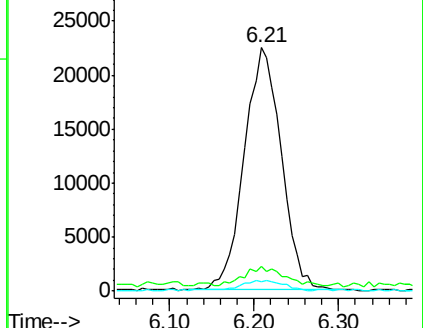
100 3.7 2.1 6.2

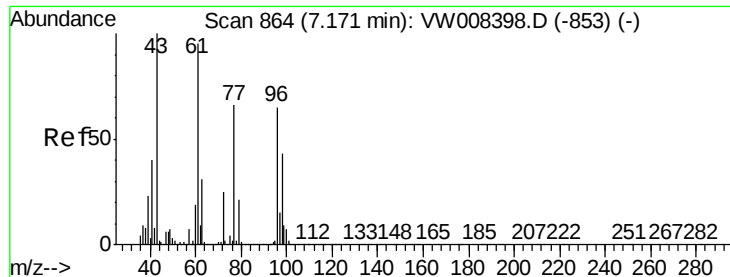


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 26.811 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

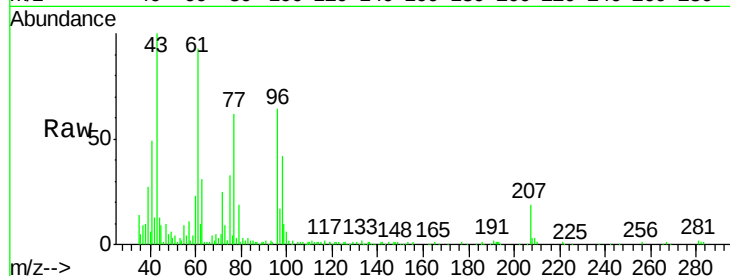
VSTDIC005

Tot Ion: 43 Resp: 54308

Ion Ratio Lower Upper

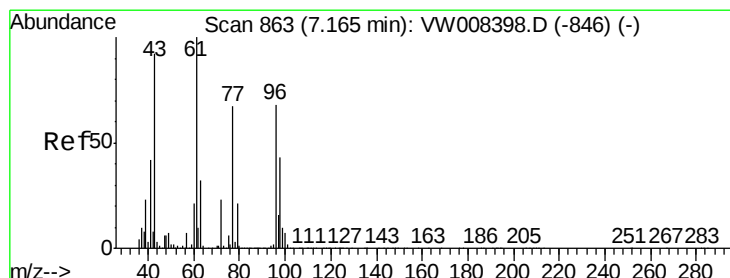
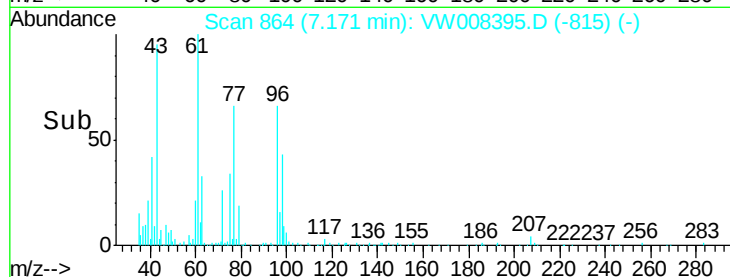
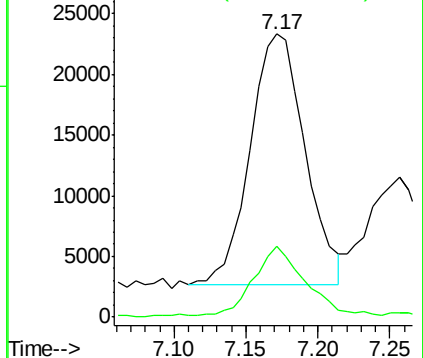
43 100

72 27.5 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 5.618 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008395.D

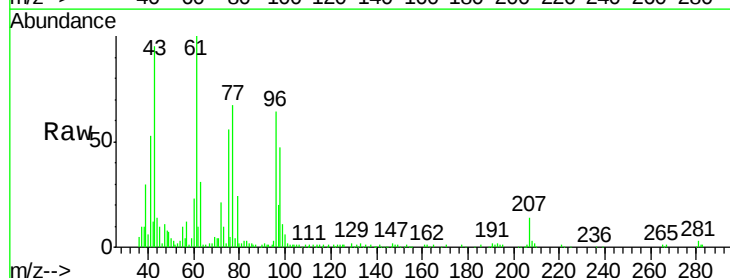
Acq: 24 Jan 2019 13:44

Tgt Ion: 77 Resp: 47860

Ion Ratio Lower Upper

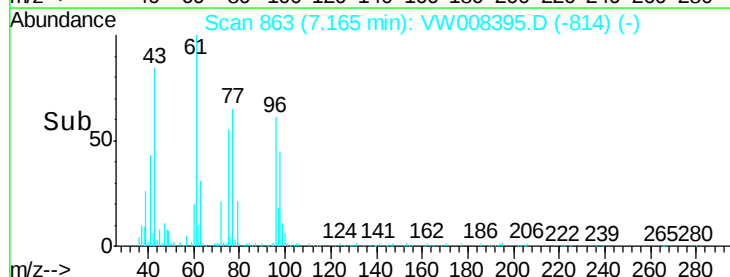
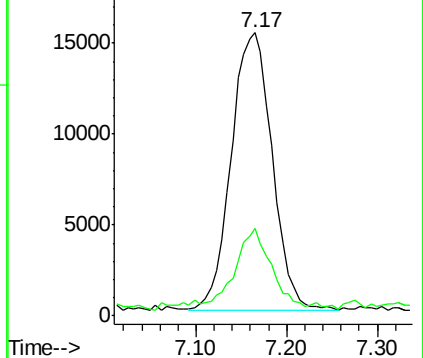
77 100

97 24.8 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



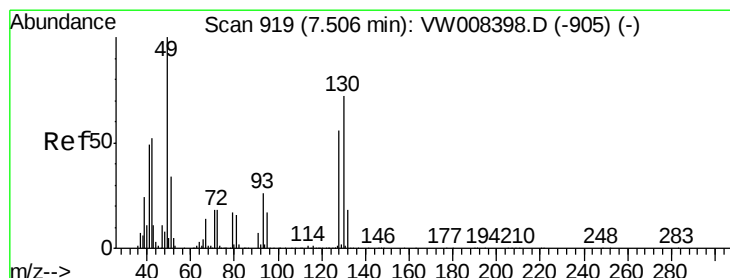
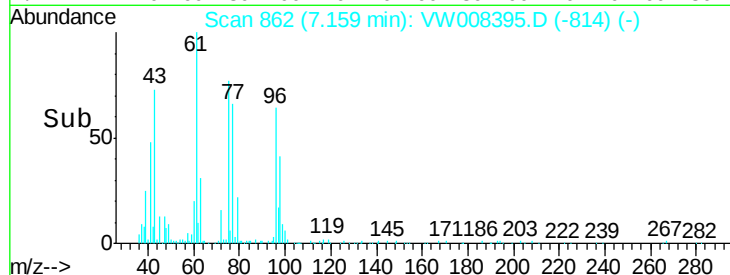
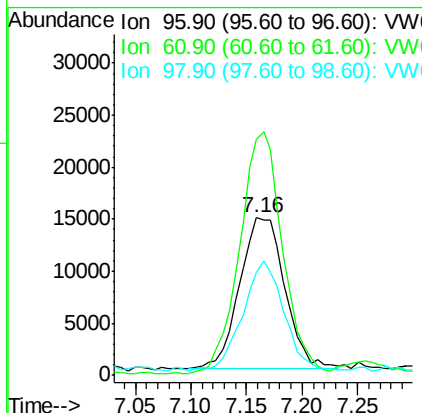
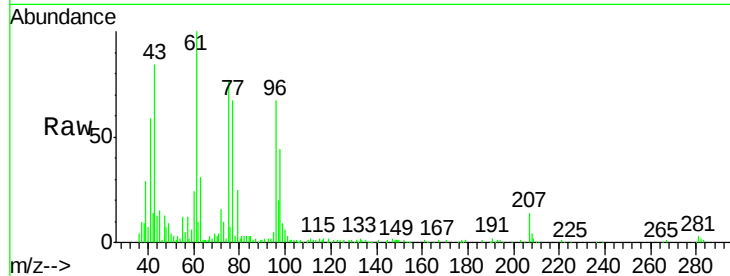


#27

cis-1,2-Dichloroethene
 Concen: 4.992 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

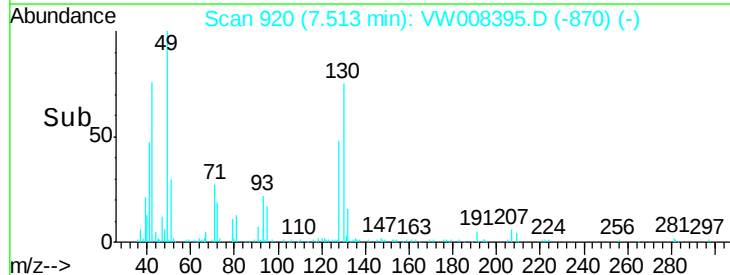
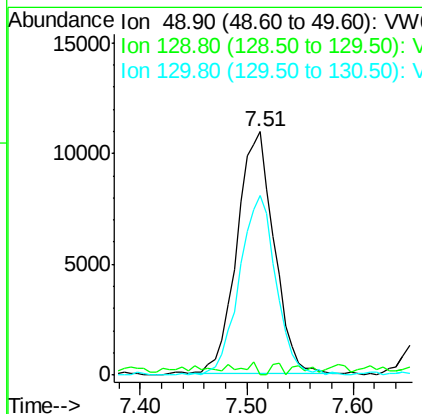
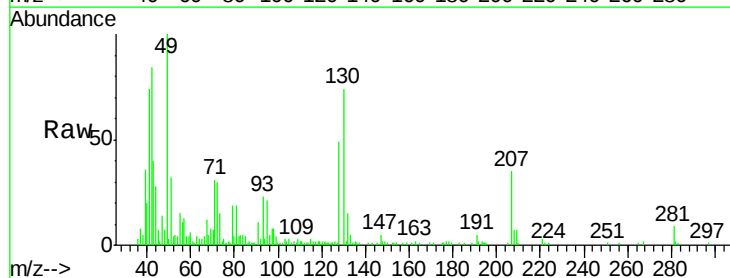
Tot Ion	96	Resp	40807
Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	292.8
98	65.7	0.0	129.2

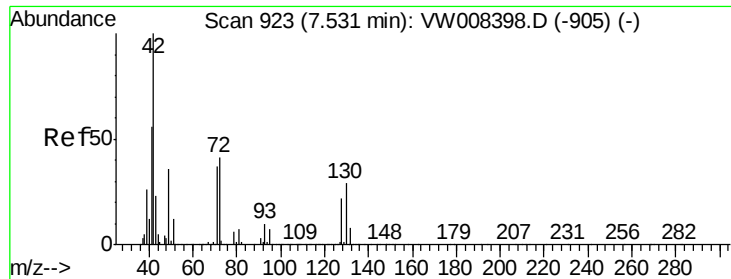


#28

Bromochloromethane
 Concen: 4.855 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

Tgt Ion	49	Resp	26699
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.6
130	73.3	58.6	87.8

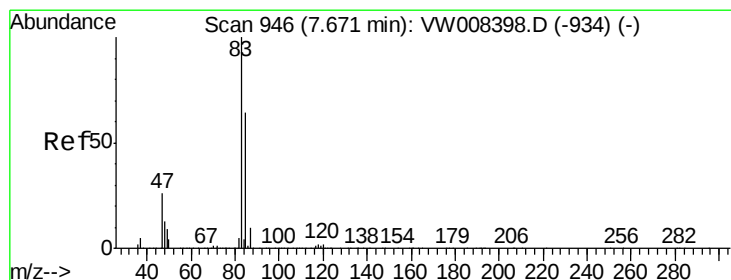
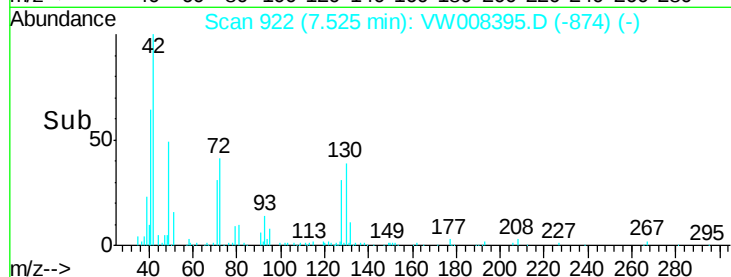
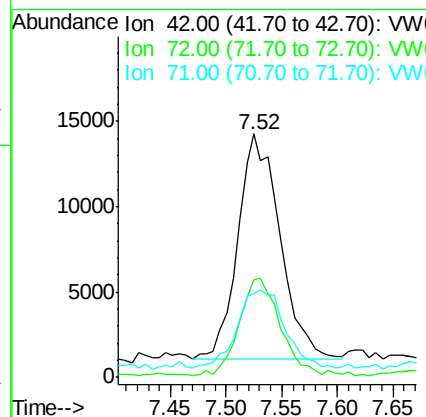
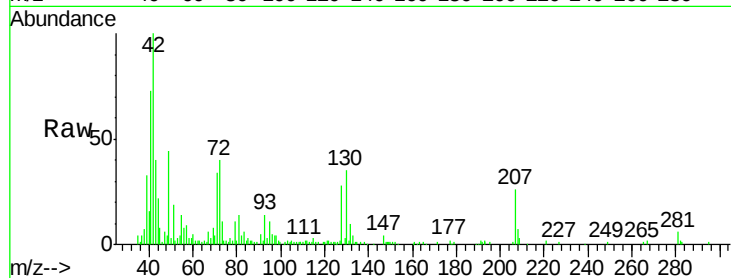




#29
Tetrahydrofuran
Concen: 27.398 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

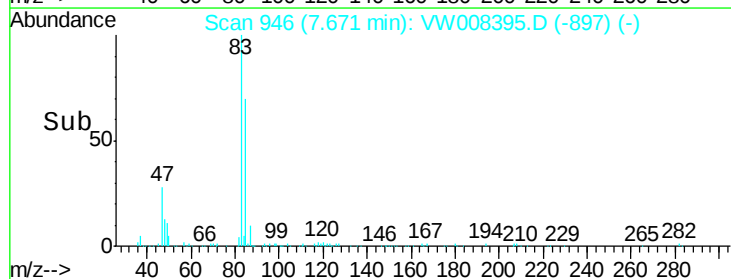
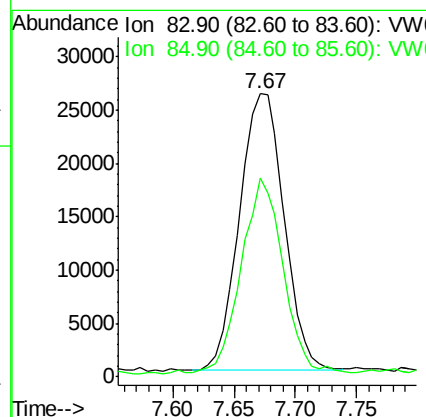
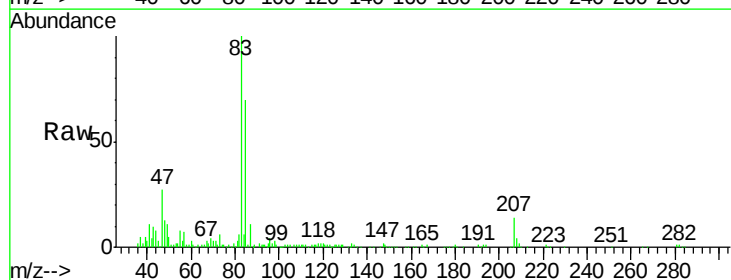
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

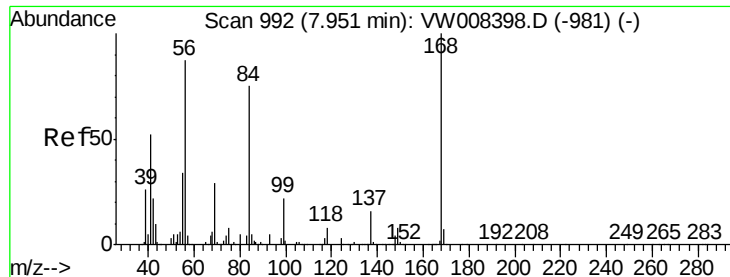
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	31.9	47.9
71	40.4	29.9	44.9



#30
Chloroform
Concen: 4.964 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.4	50.9	76.3





#31

Cyclohexane

Concen: 6.250 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

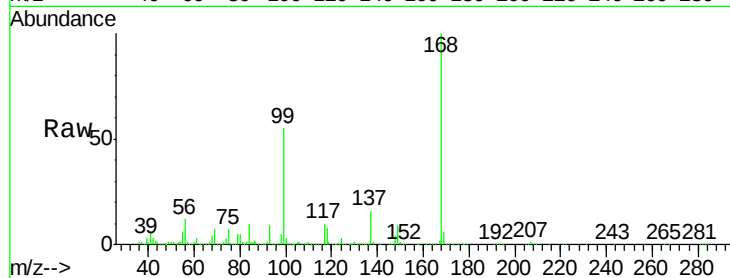
Tot Ion: 56 Resp: 79497

Ion Ratio Lower Upper

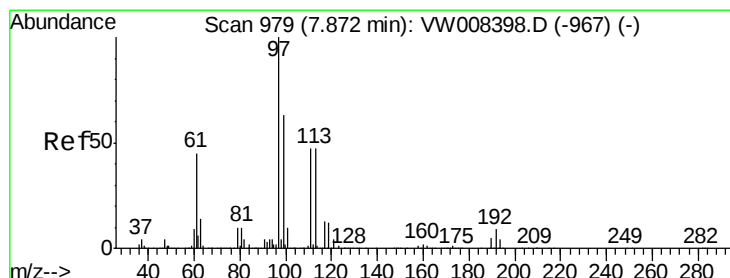
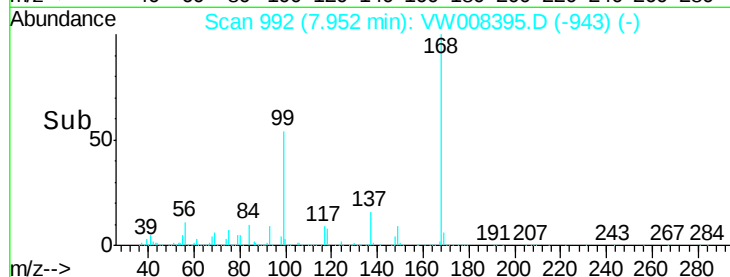
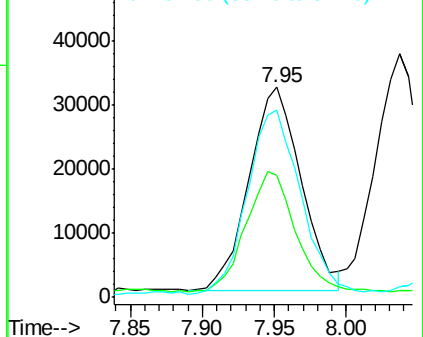
56 100

69 57.3 26.4 39.6#

84 90.2 69.1 103.7



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: 5.619 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

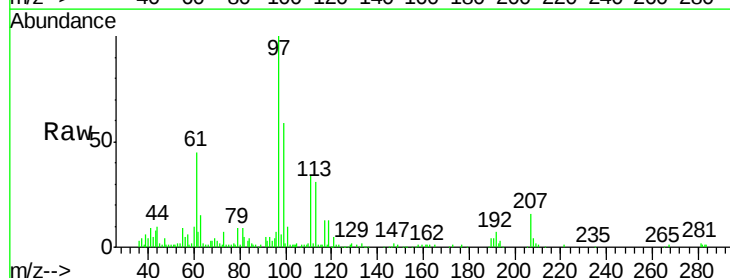
Tgt Ion: 97 Resp: 62289

Ion Ratio Lower Upper

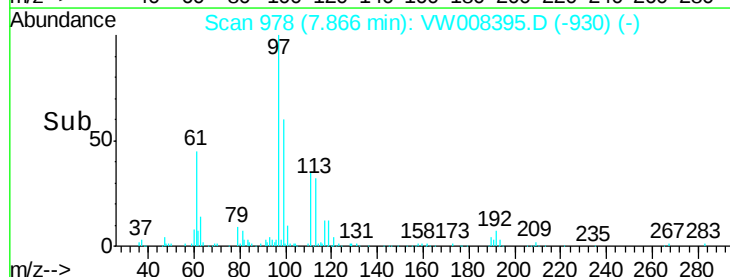
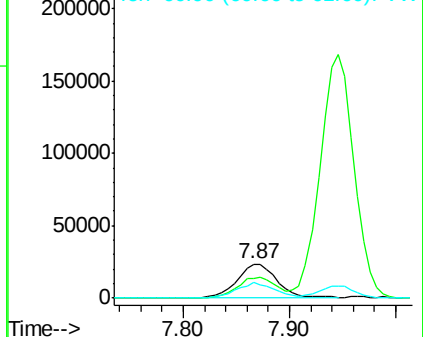
97 100

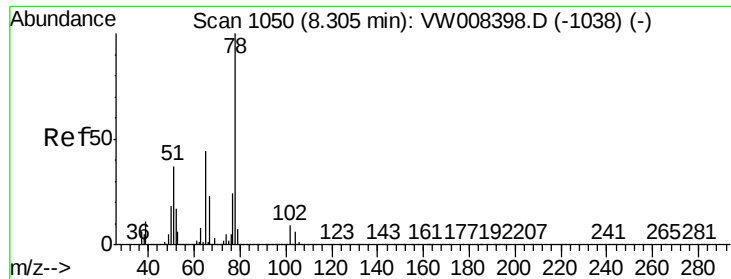
99 57.6 51.3 76.9

61 41.9 36.2 54.4



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: 4.619 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

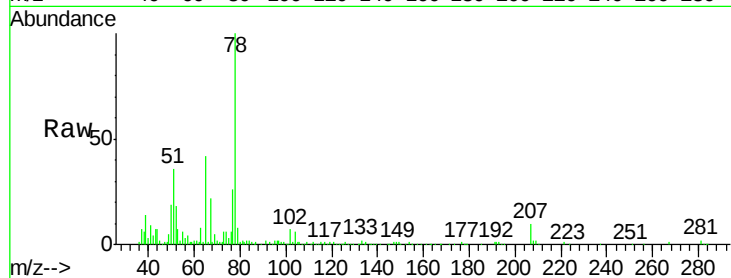
VSTDIC005

Tot Ion: 65 Resp: 31457

Ion Ratio Lower Upper

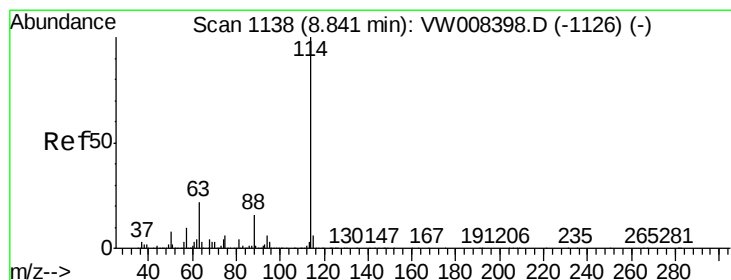
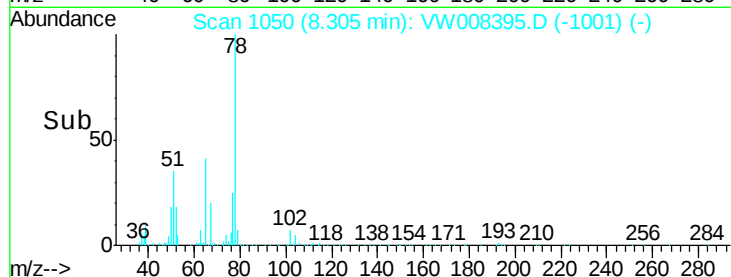
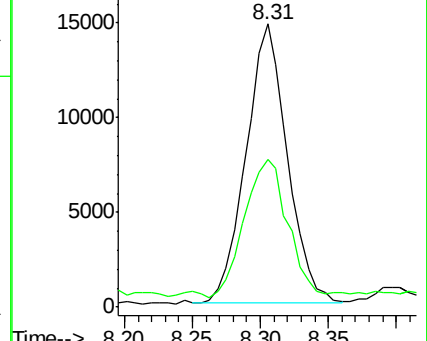
65 100

67 51.2 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

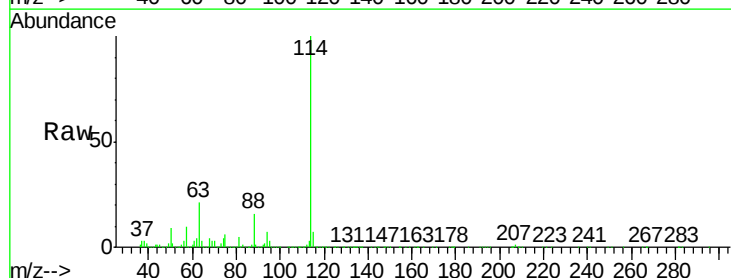
Tgt Ion:114 Resp: 1036009

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.6

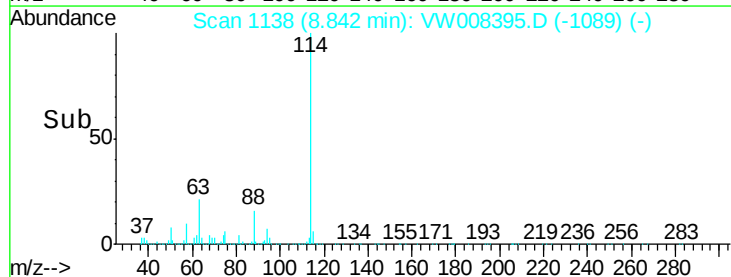
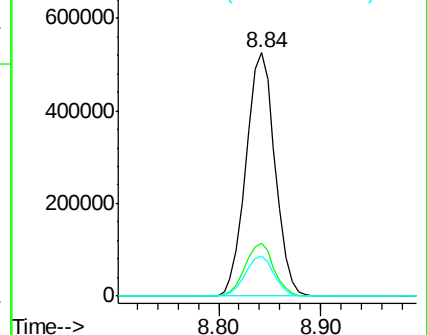
88 16.3 0.0 31.8

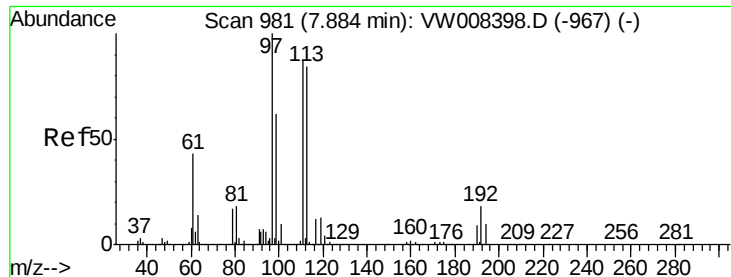


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

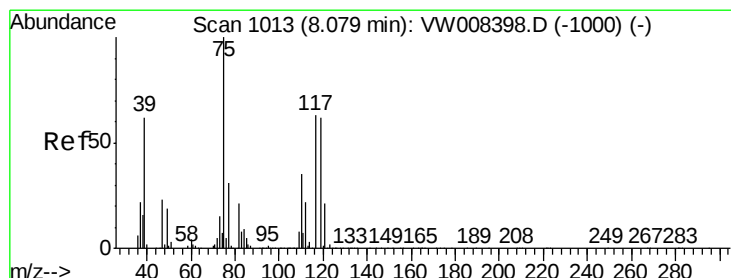
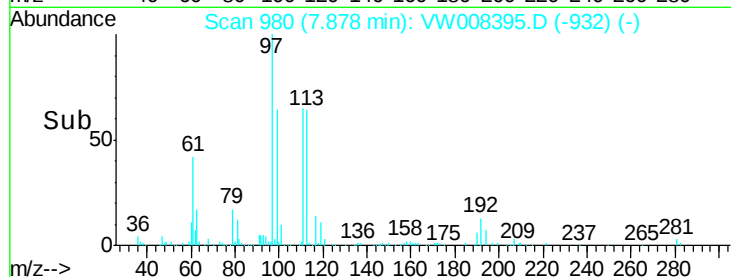
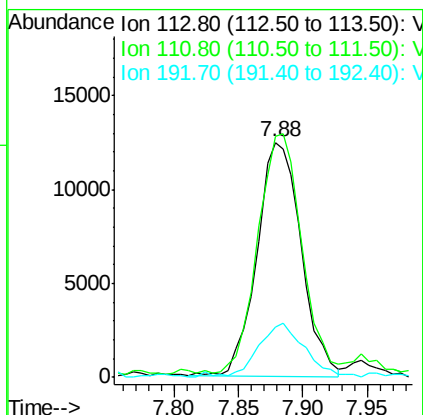
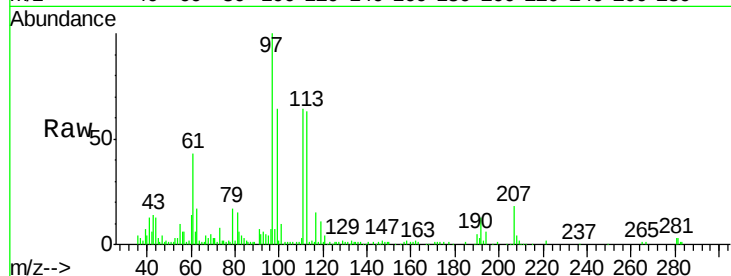




#35
 Dibromofluoromethane
 Concen: 4.470 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

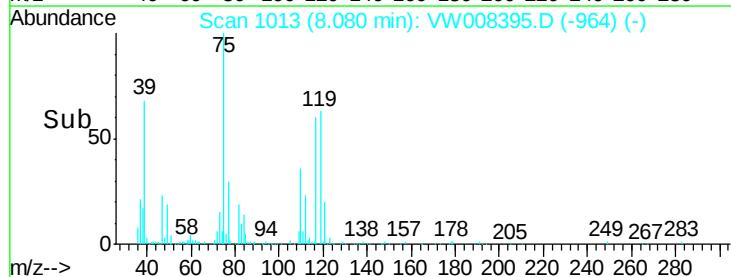
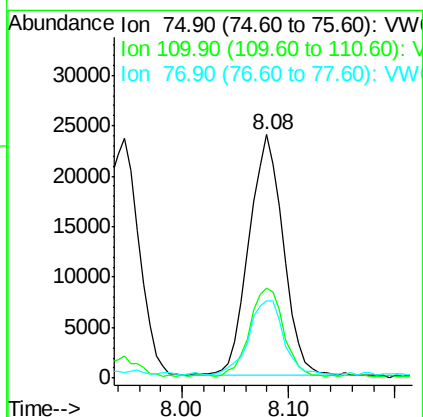
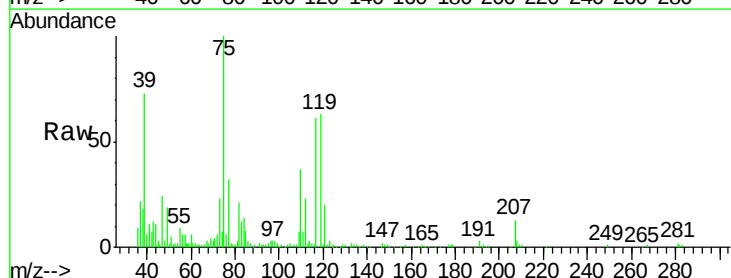
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

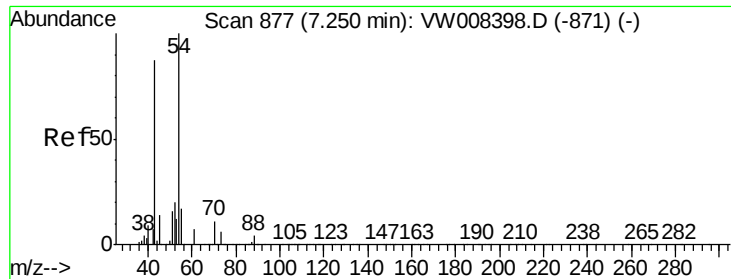
Tot Ion:113 Resp: 29562
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.0 121.4
 192 23.8 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 5.177 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

Tgt Ion: 75 Resp: 53961
 Ion Ratio Lower Upper
 75 100
 110 36.1 17.3 52.0
 77 31.1 24.7 37.1

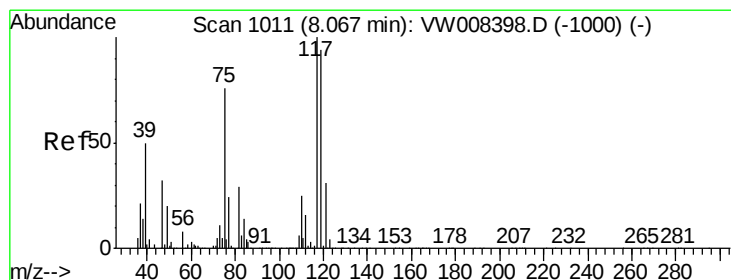
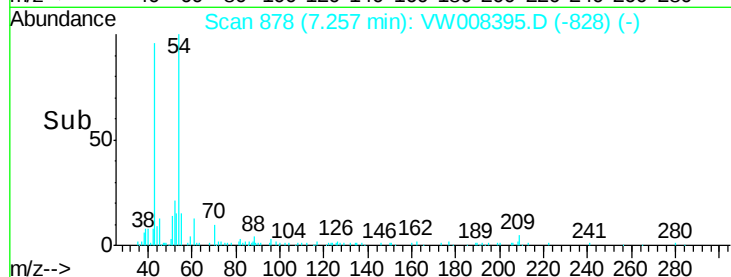
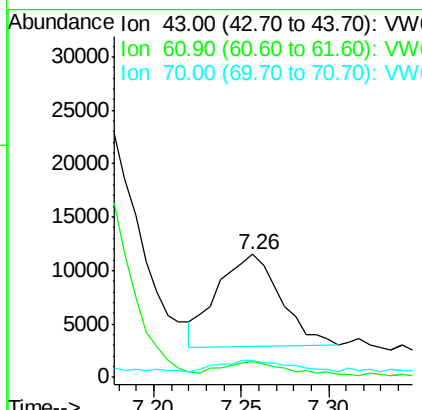
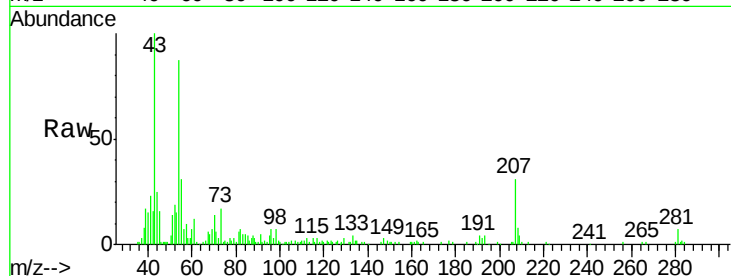




#37
Ethyl Acetate
Concen: 5.019 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

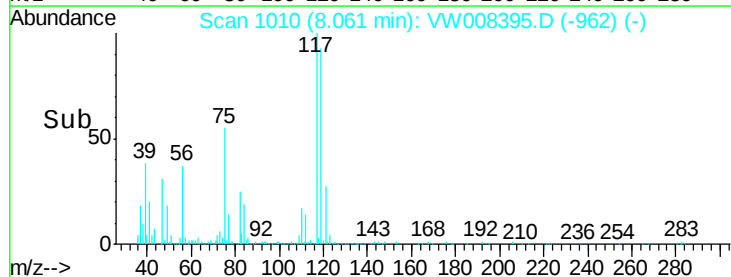
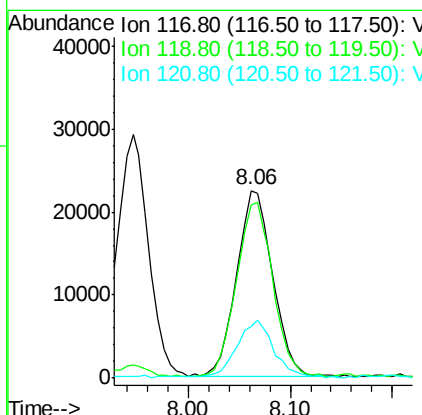
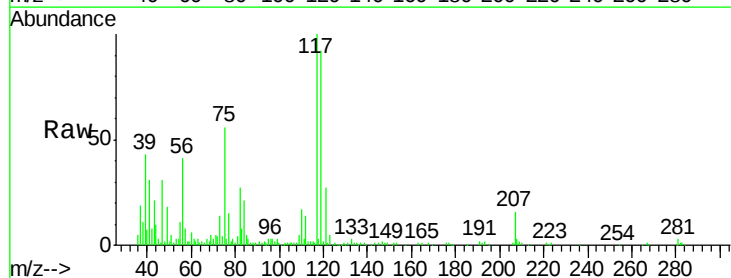
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

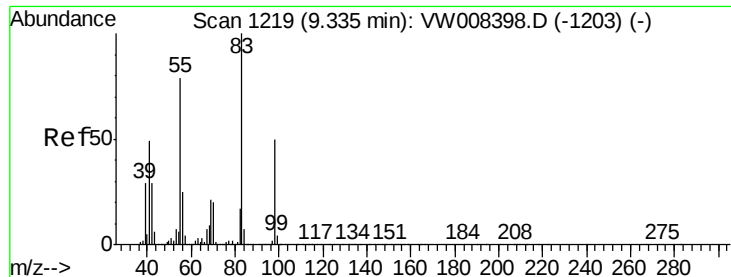
Tot Ion: 43 Resp: 21574
Ion Ratio Lower Upper
43 100
61 14.5 10.1 15.1
70 13.4 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 5.350 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion: 117 Resp: 55062
Ion Ratio Lower Upper
117 100
119 92.1 75.0 112.4
121 27.1 24.9 37.3

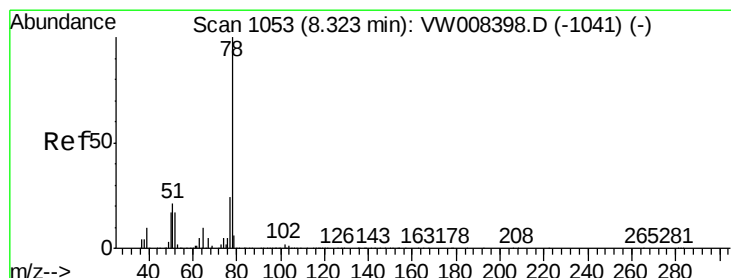
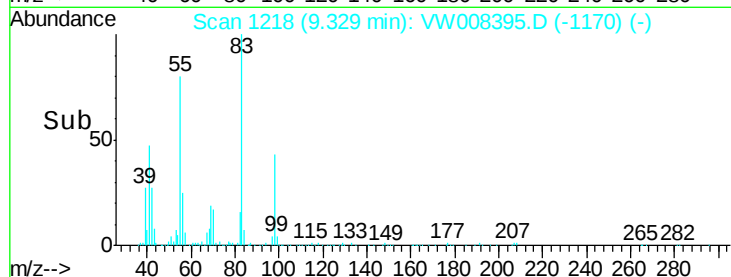
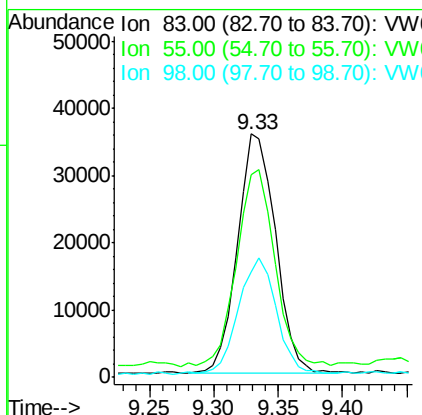
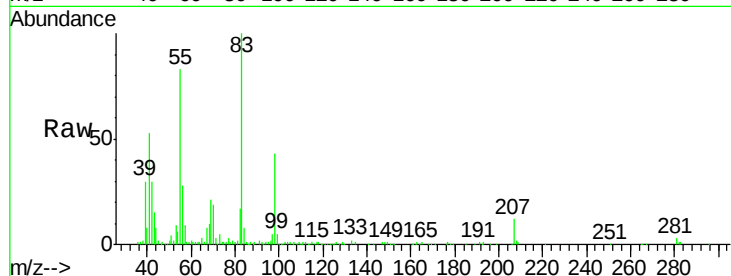




#39
Methvlcvclohexane
Concen: 5.853 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

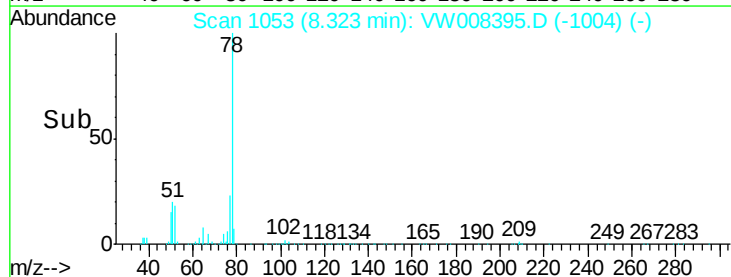
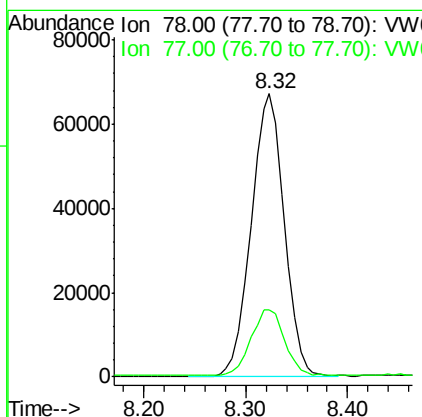
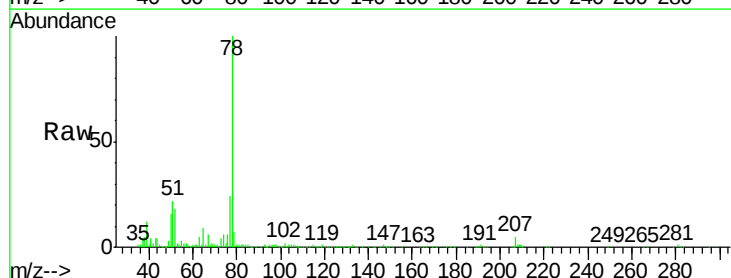
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

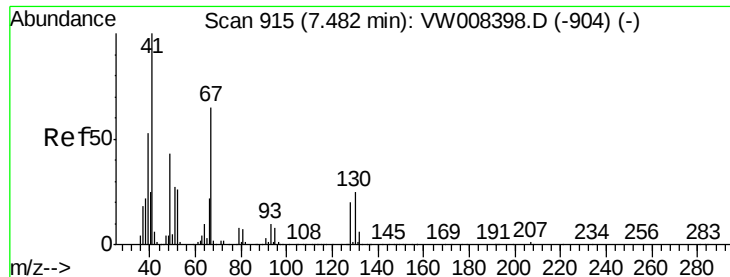
Tot Ion: 83 Resp: 72564
Ion Ratio Lower Upper
83 100
55 78.9 63.3 94.9
98 42.3 39.7 59.5



#40
Benzene
Concen: 5.136 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion: 78 Resp: 151650
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.6

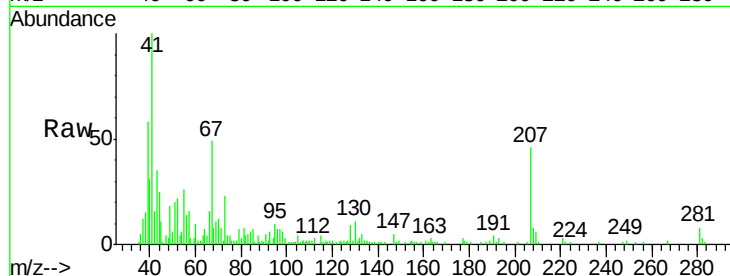




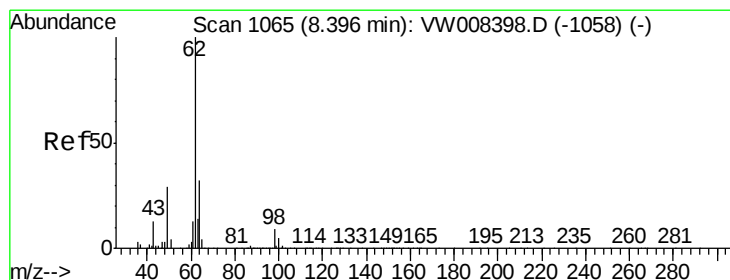
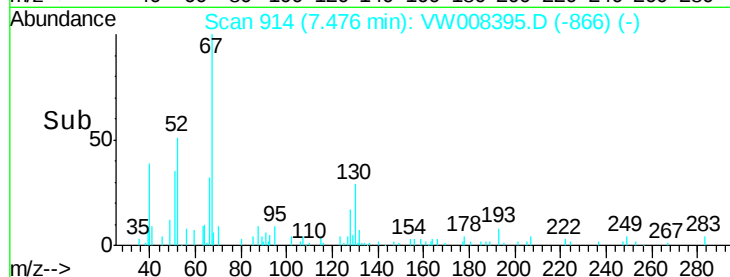
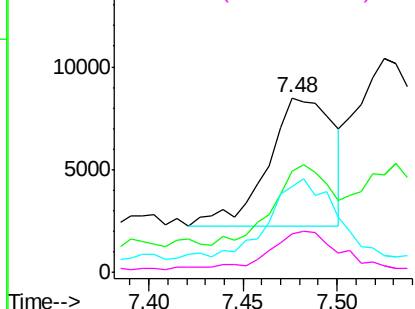
#41
Methacrylonitrile
Concen: 6.033 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	15096
Ion	Ratio	Lower	Upper
41	100		
39	55.3	43.4	65.0
67	68.4	54.2	81.2
52	31.9	22.9	34.3

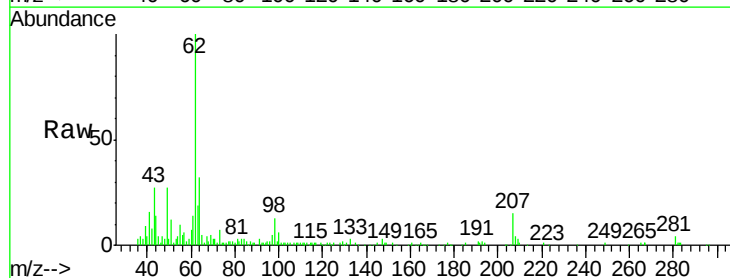


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

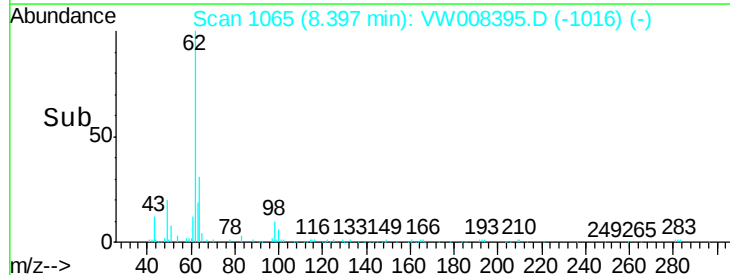
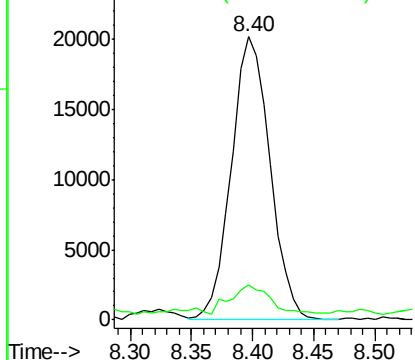


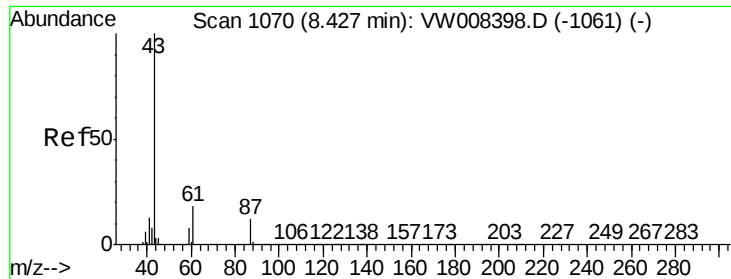
#42
1,2-Dichloroethane
Concen: 5.308 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion:	62	Resp:	43820
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 6.280 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

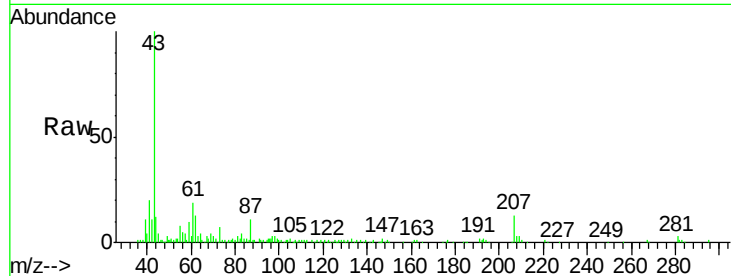
Tot Ion: 43 Resp: 50986

Ion Ratio Lower Upper

43 100

61 29.4 22.0 33.0

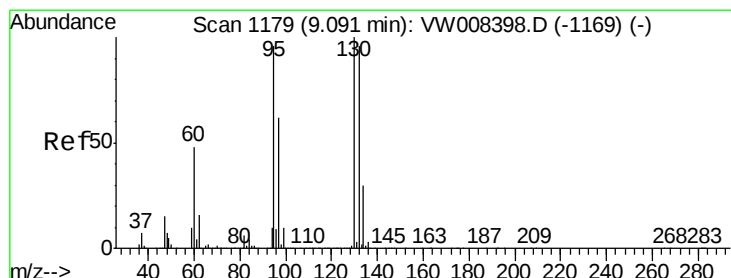
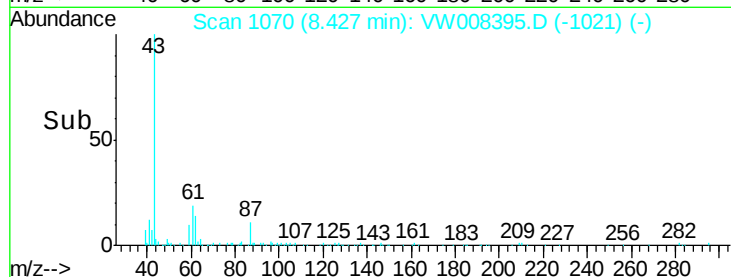
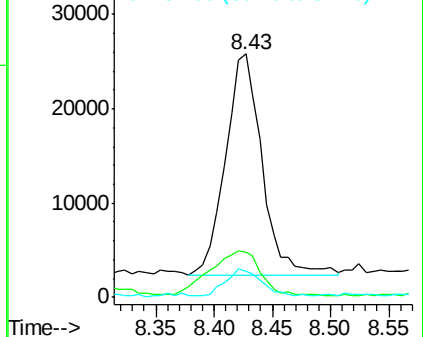
87 12.1 9.3 13.9



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: 4.964 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008395.D

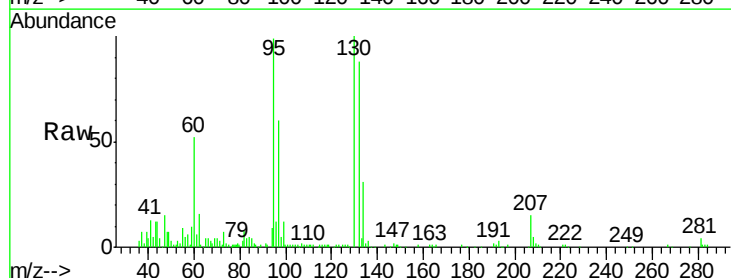
Acq: 24 Jan 2019 13:44

Tgt Ion: 130 Resp: 40155

Ion Ratio Lower Upper

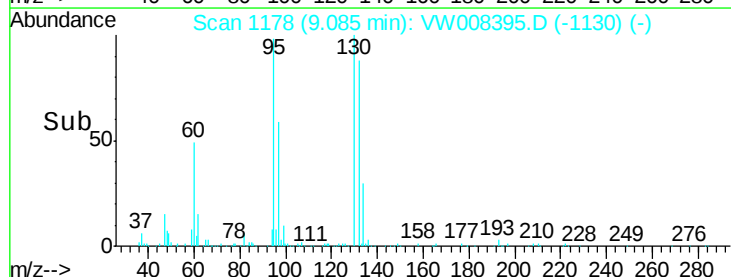
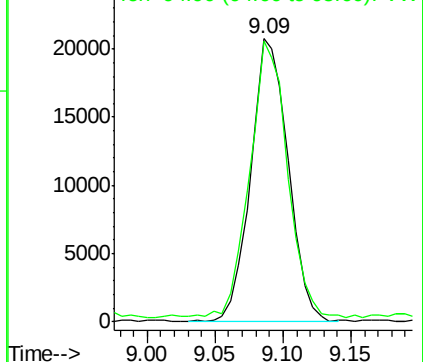
130 100

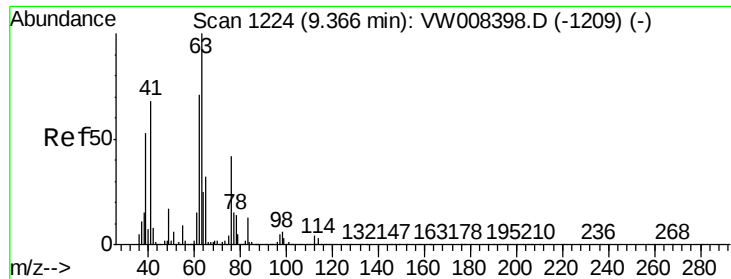
95 97.2 0.0 191.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

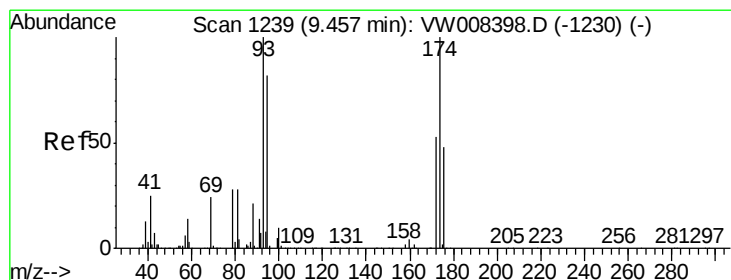
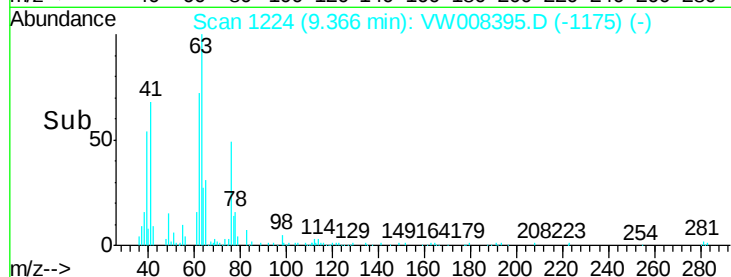
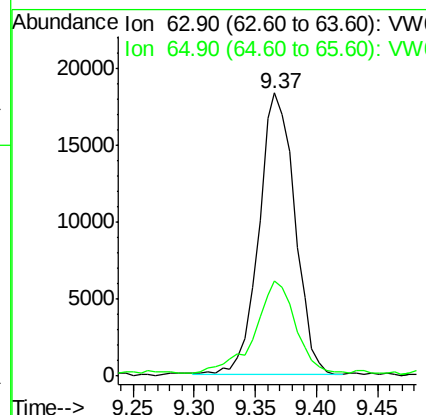
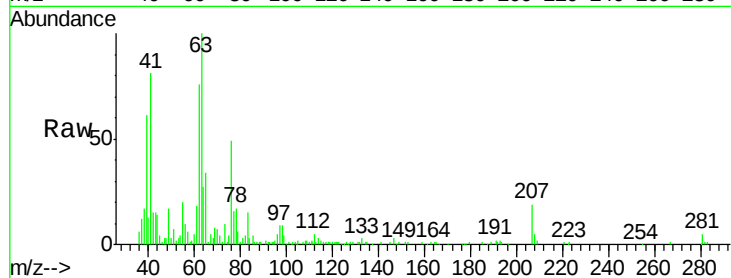




#45
 1,2-Dichloropropane
 Concen: 5.147 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

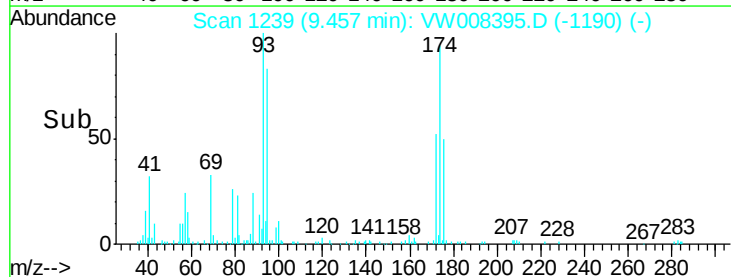
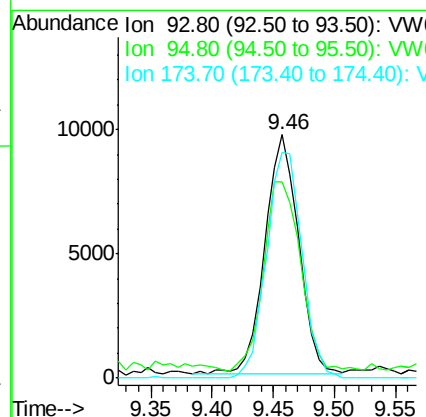
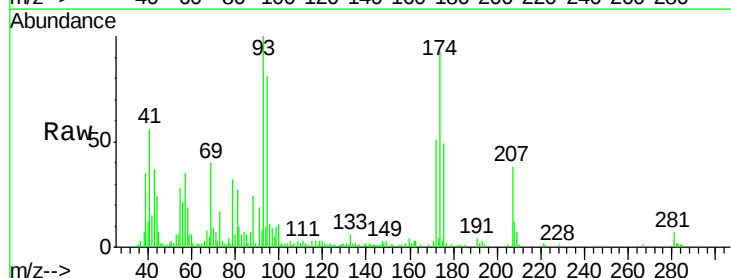
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

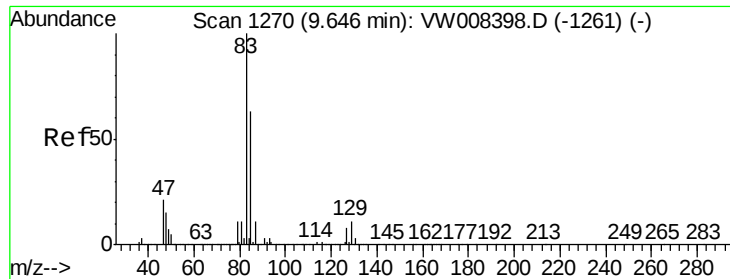
Tot Ion: 63 Resp: 37747
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.2 37.8



#46
 Dibromomethane
 Concen: 4.801 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

Tgt Ion: 93 Resp: 18353
 Ion Ratio Lower Upper
 93 100
 95 87.8 65.9 98.9
 174 100.2 81.0 121.6





#47

Bromodichloromethane

Concen: 5.477 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

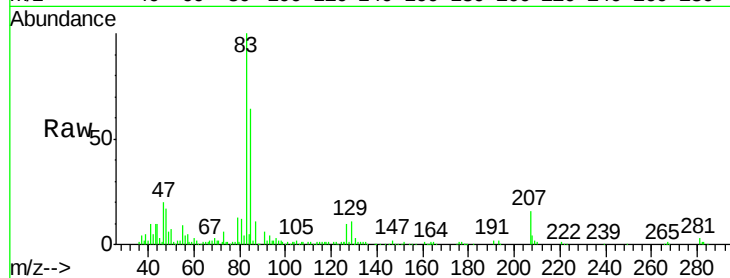
Tot Ion: 83 Resp: 51639

Ion Ratio Lower Upper

83 100

85 62.8 50.8 76.2

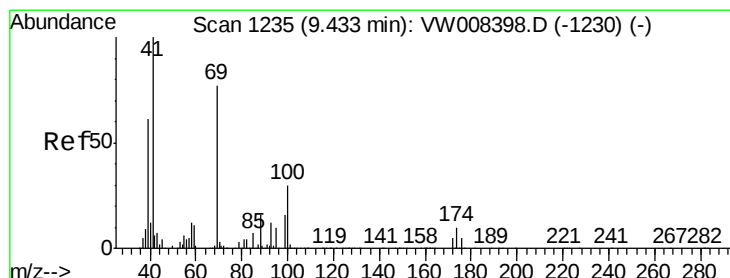
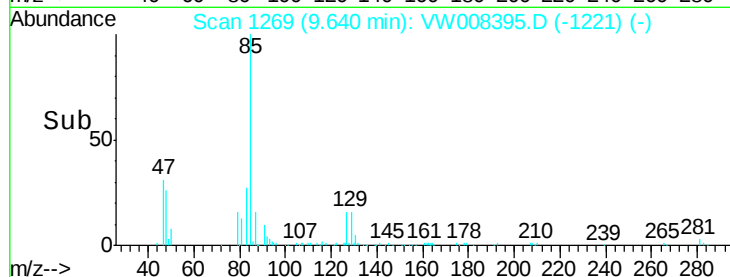
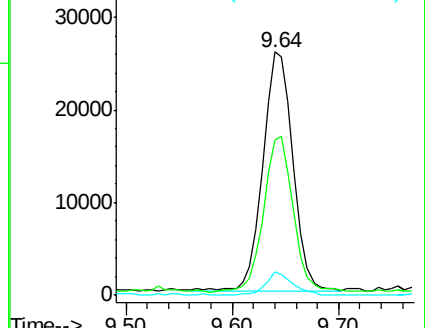
127 9.8 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 6.076 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

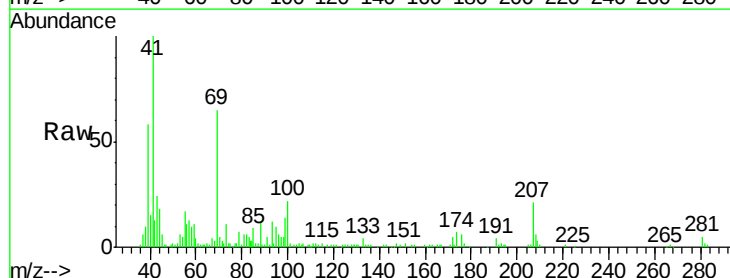
Tgt Ion: 41 Resp: 23223

Ion Ratio Lower Upper

41 100

69 86.2 64.8 97.2

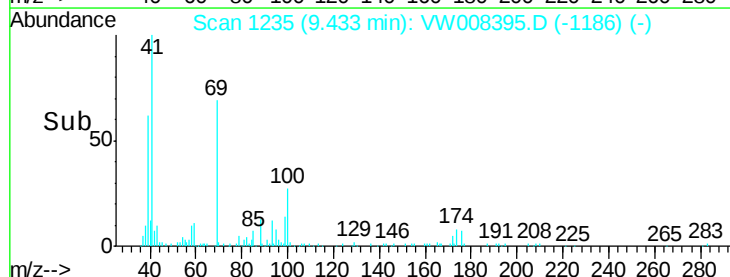
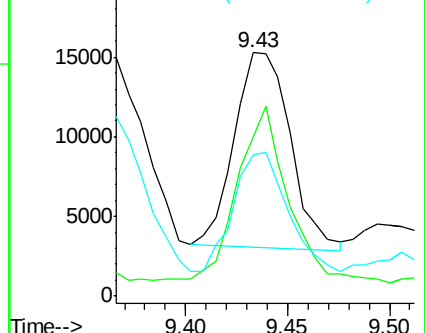
39 60.1 49.1 73.7

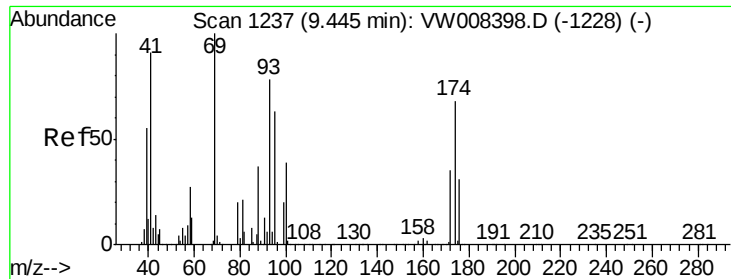


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

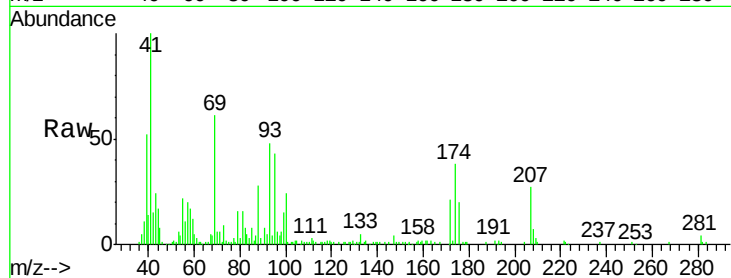




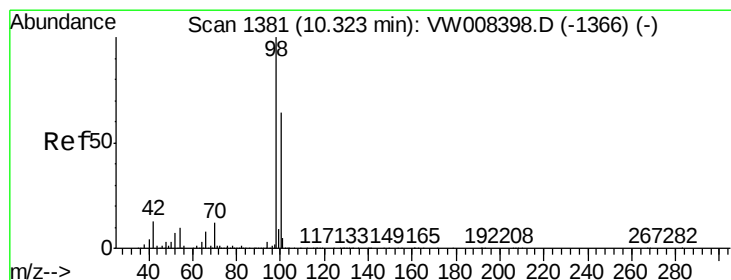
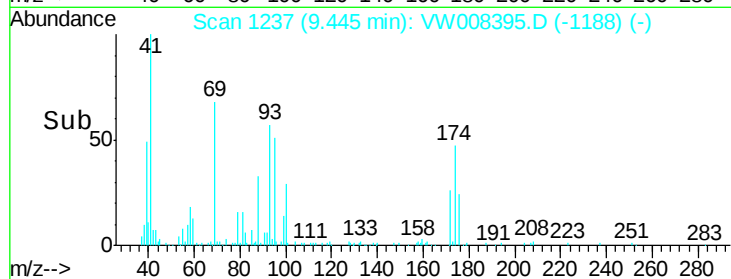
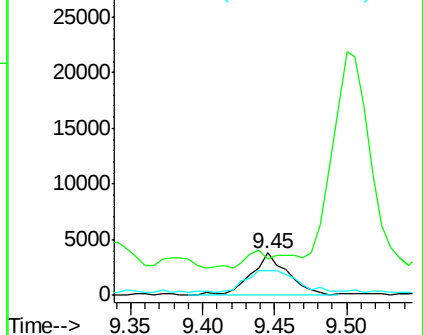
#49
1,4-Dioxane
Concen: 110.671 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 6810
Ion Ratio Lower Upper
88 100
43 27.0 29.0 43.4#
58 72.9 56.4 84.6

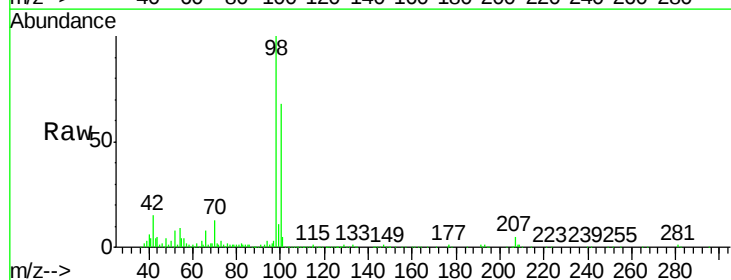


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

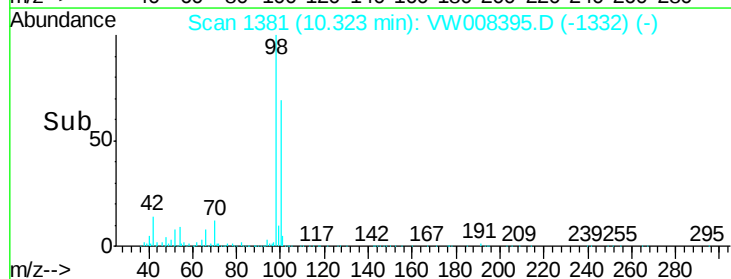
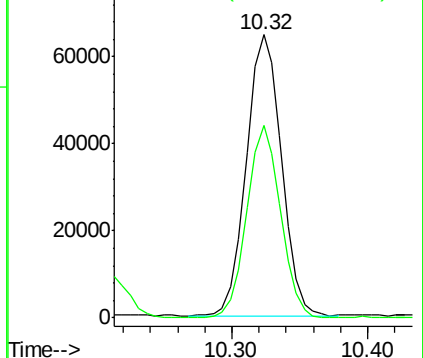


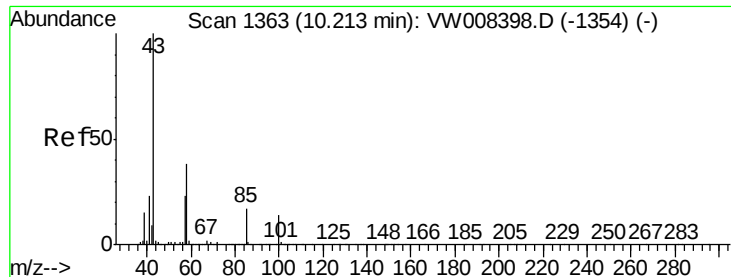
#50
Toluene-d8
Concen: 4.504 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion: 98 Resp: 117015
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



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

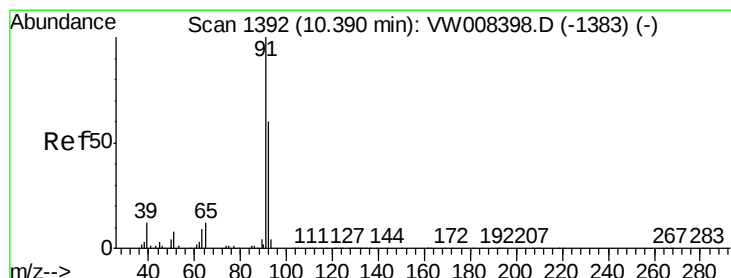
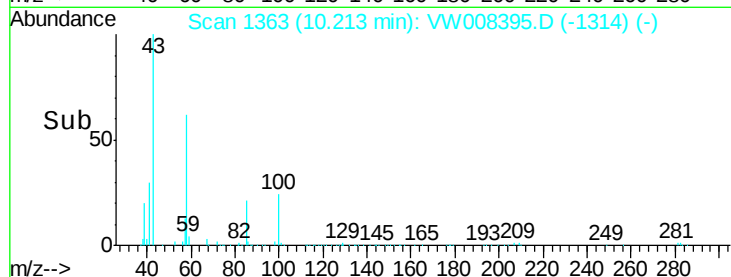
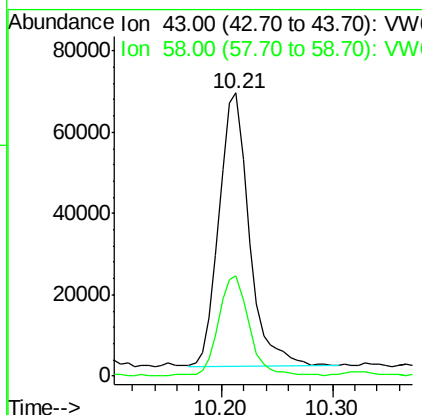
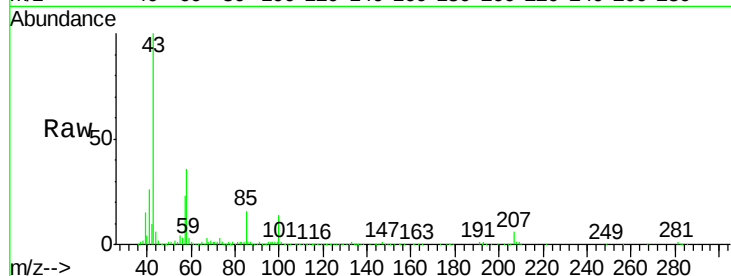




#51
4-Methyl-2-Pentanone
Concen: 30.812 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

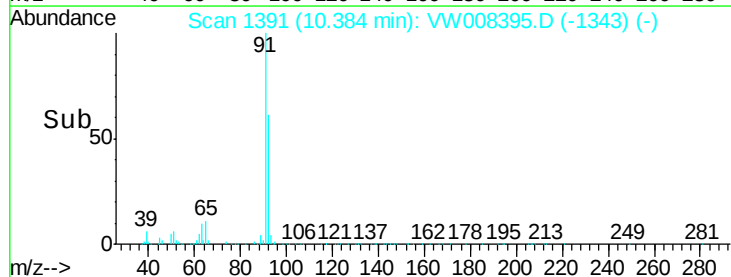
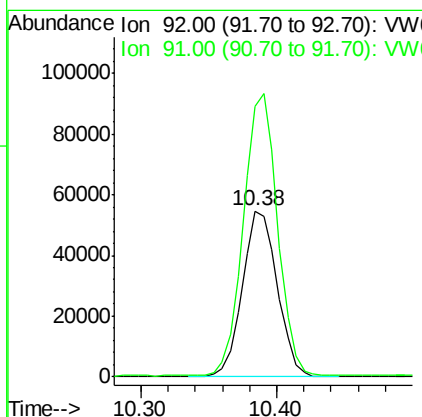
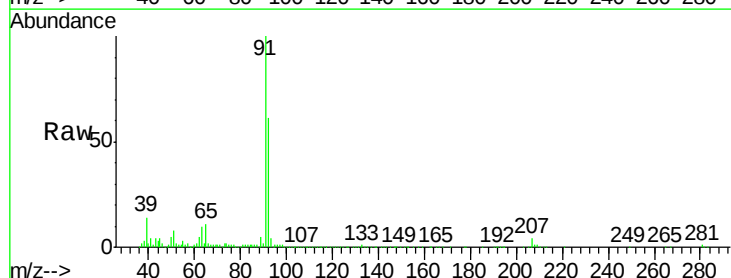
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

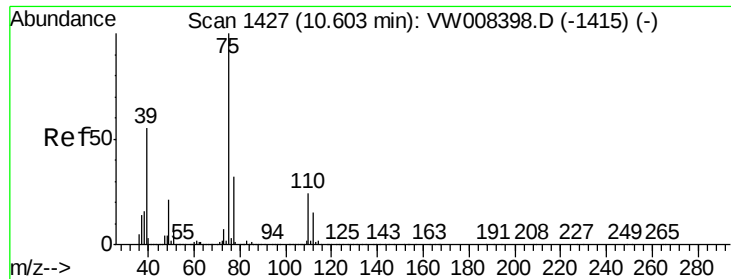
Tot Ion: 43 Resp: 126675
Ion Ratio Lower Upper
43 100
58 36.8 29.7 44.5



#52
Toluene
Concen: 5.227 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion: 92 Resp: 97671
Ion Ratio Lower Upper
92 100
91 166.6 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 5.535 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

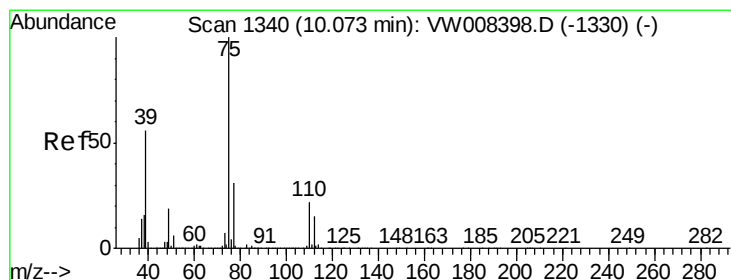
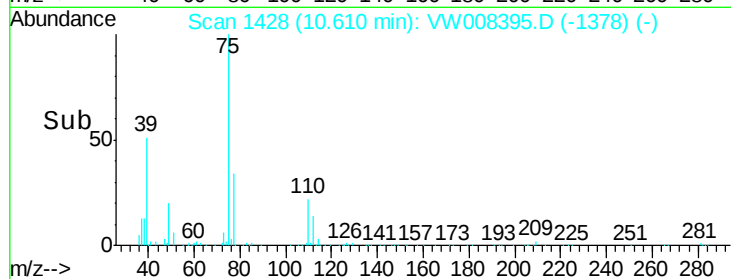
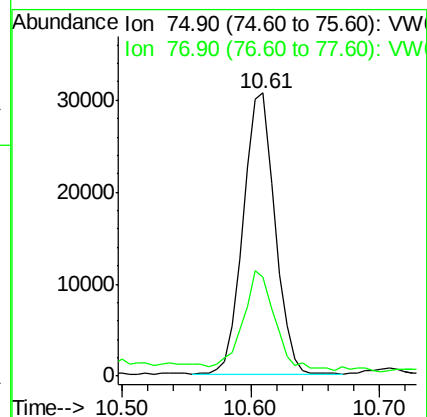
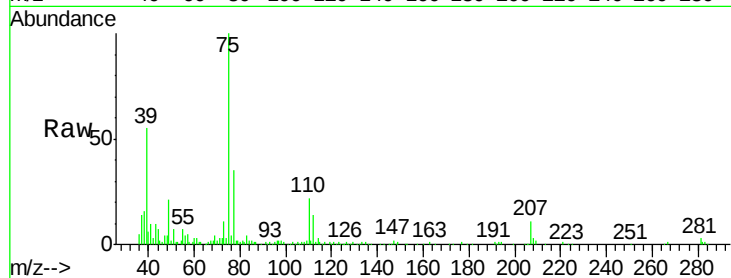
VSTDIC005

Tot Ion: 75 Resp: 52084

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 5.542 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

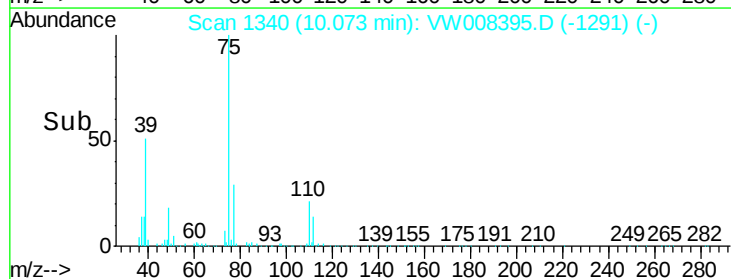
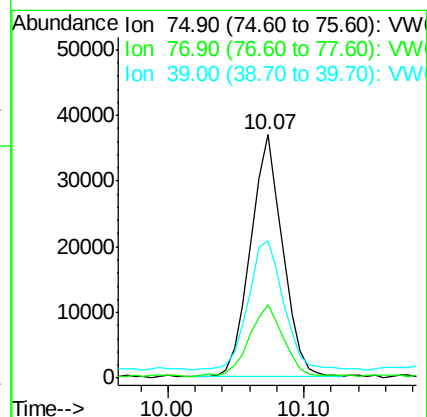
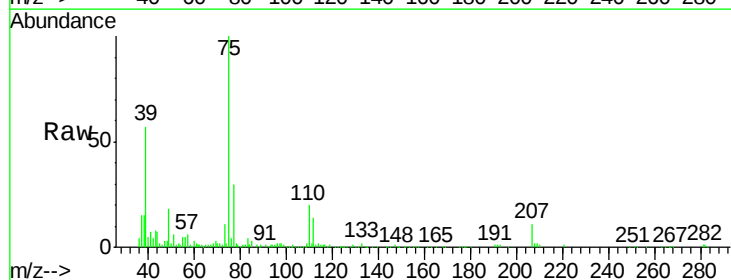
Tgt Ion: 75 Resp: 61481

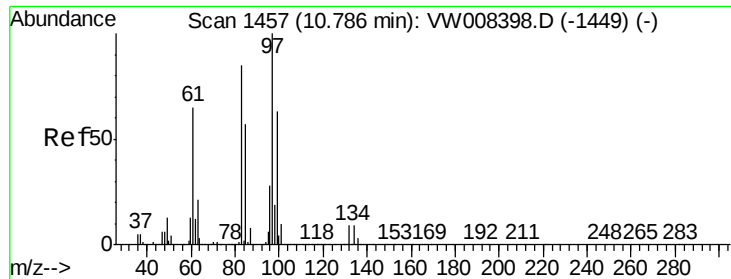
Ion Ratio Lower Upper

75 100

77 29.2 25.0 37.4

39 53.4 44.9 67.3

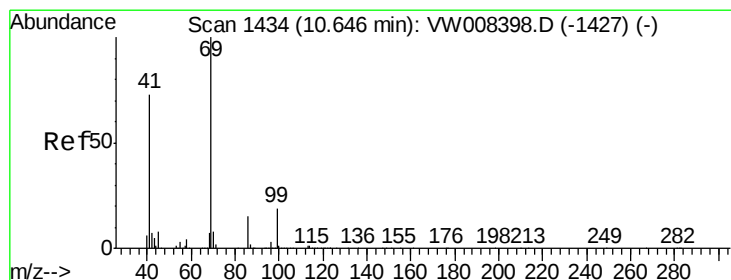
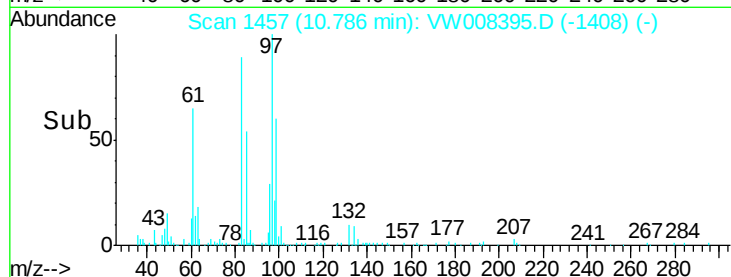
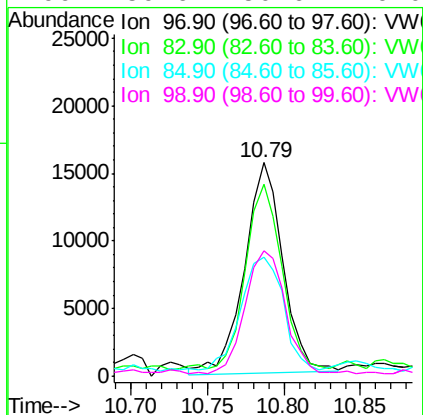
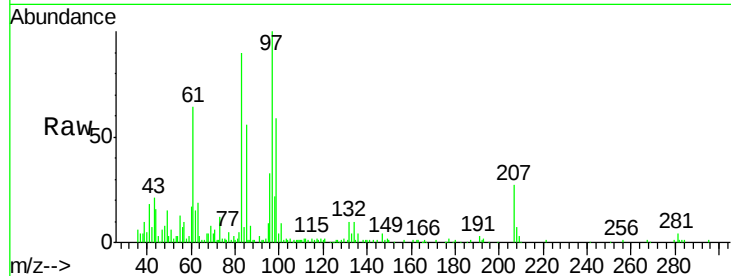




#55
 1,1,2-Trichloroethane
 Concen: 5.135 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

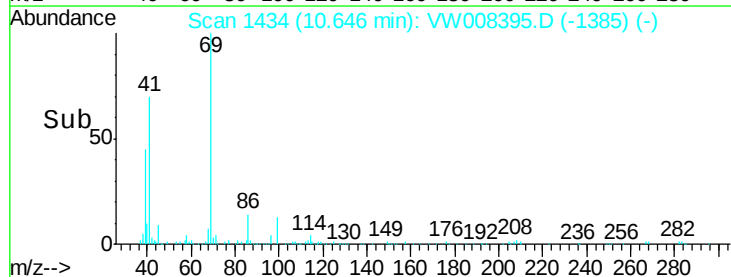
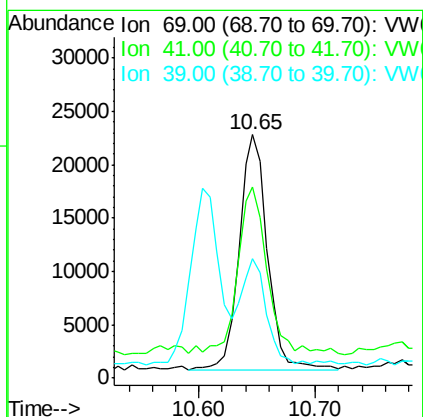
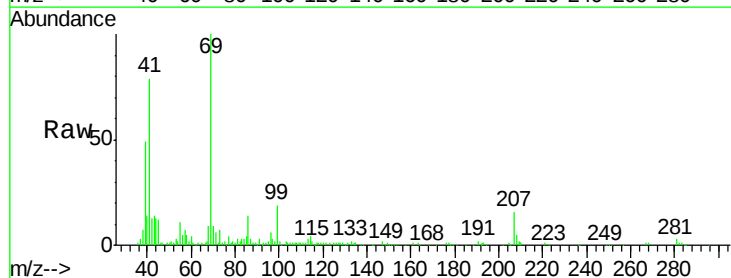
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

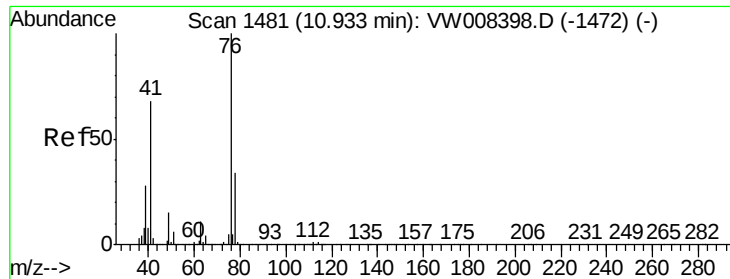
Tot Ion:	97	Resp:	27225
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.4	102.6
85	53.8	45.3	67.9
99	59.6	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 5.978 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

Tgt Ion:	69	Resp:	37222
Ion	Ratio	Lower	Upper
69	100		
41	76.7	58.7	88.1
39	39.8	32.6	48.8

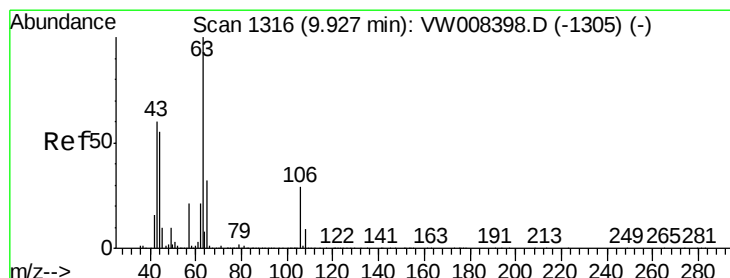
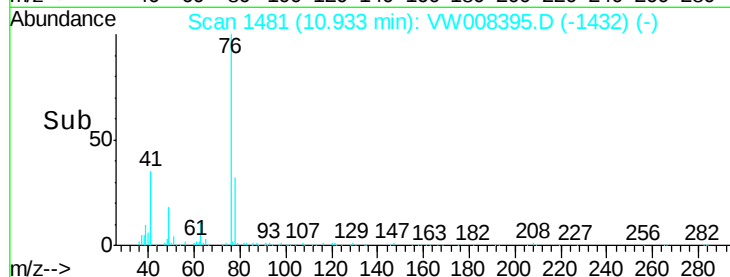
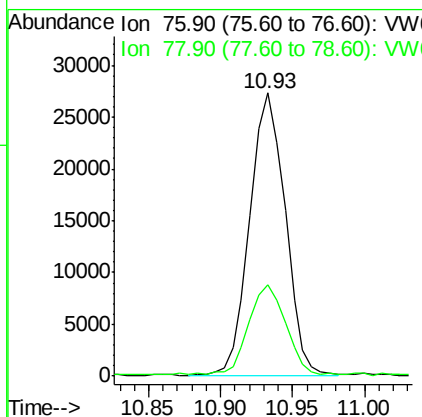
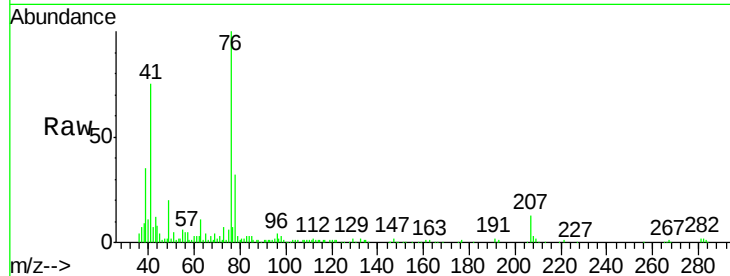




#57
 1,3-Dichloropropane
 Concen: 5.056 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

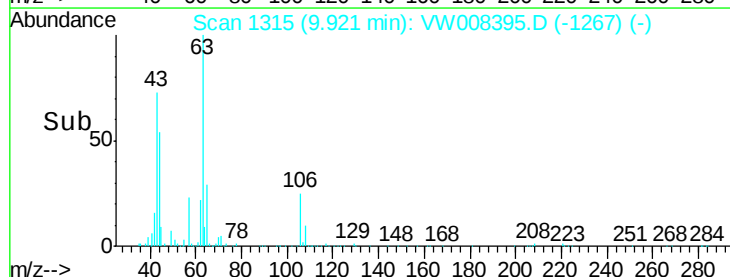
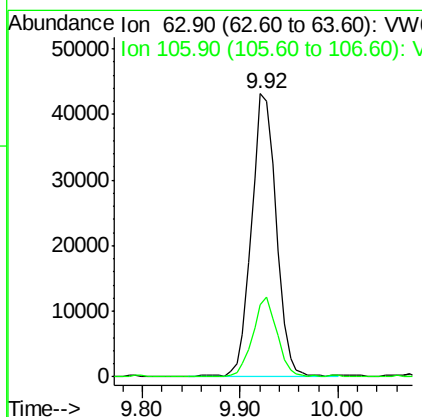
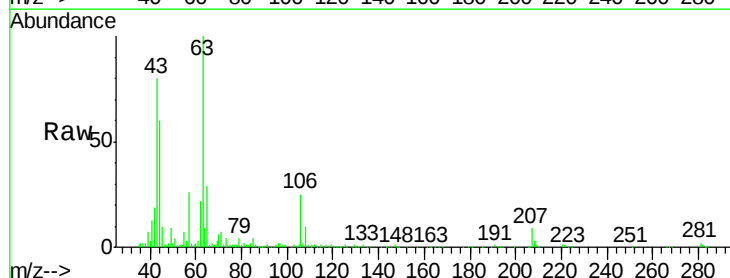
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

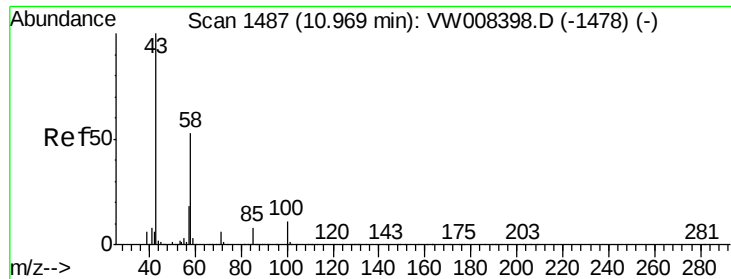
Tot Ion: 76 Resp: 46542
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.135 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

Tgt Ion: 63 Resp: 75489
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.4 33.6

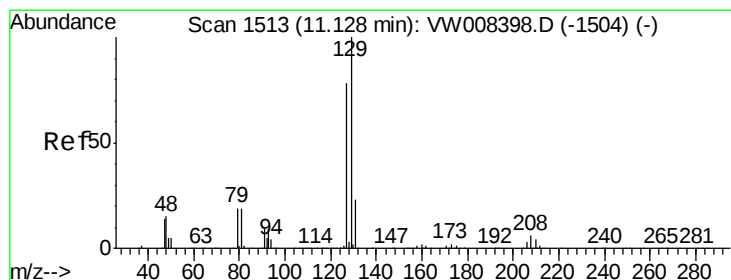
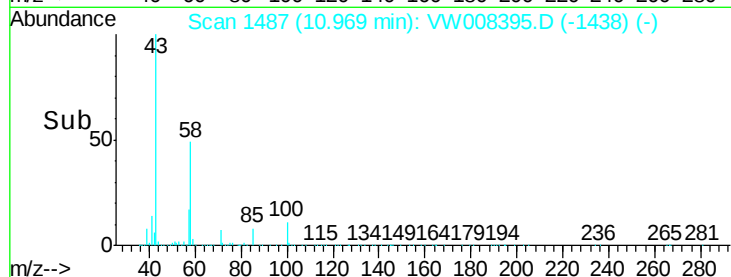
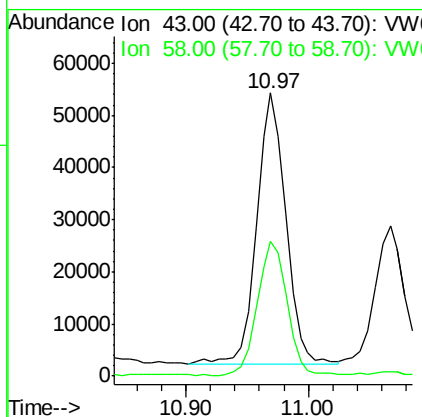
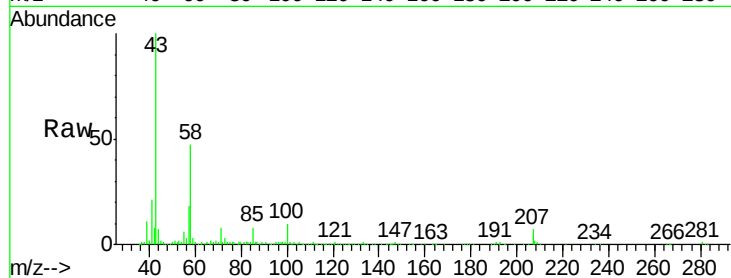




#59
2-Hexanone
Concen: 29.668 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

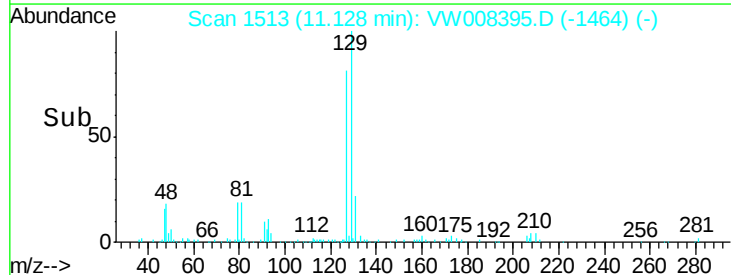
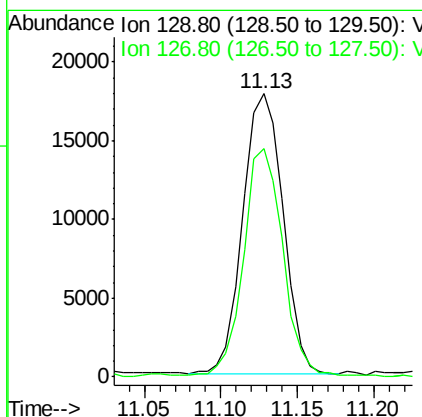
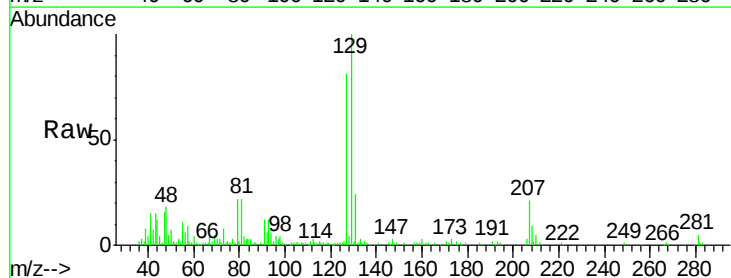
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

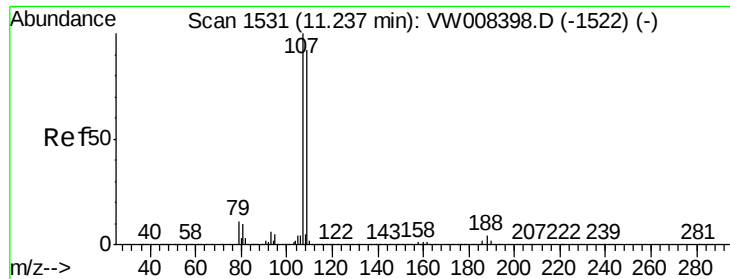
Tot Ion: 43 Resp: 85459
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7



#60
Dibromochloromethane
Concen: 5.171 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion: 129 Resp: 32722
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2

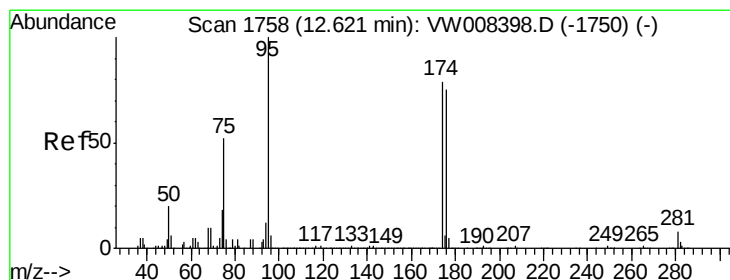
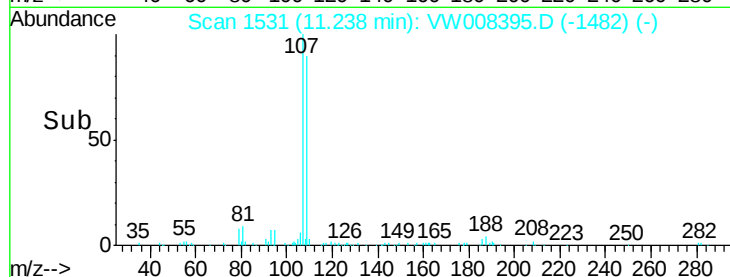
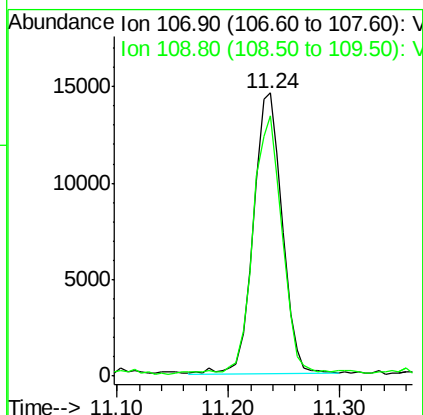
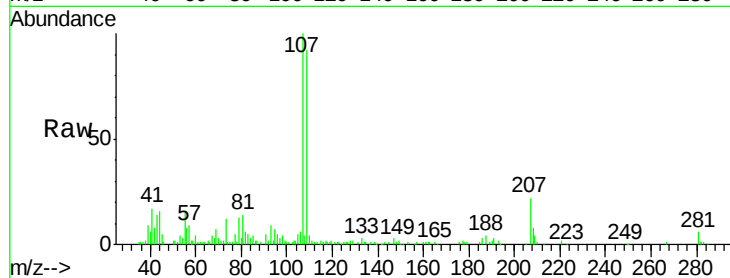




#61
 1,2-Dibromoethane
 Concen: 5.110 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

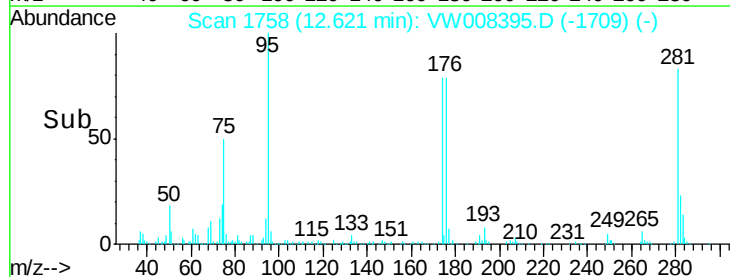
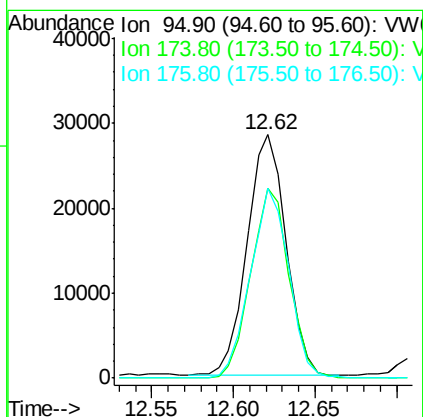
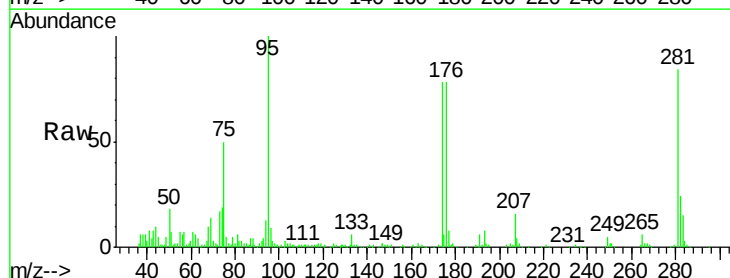
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

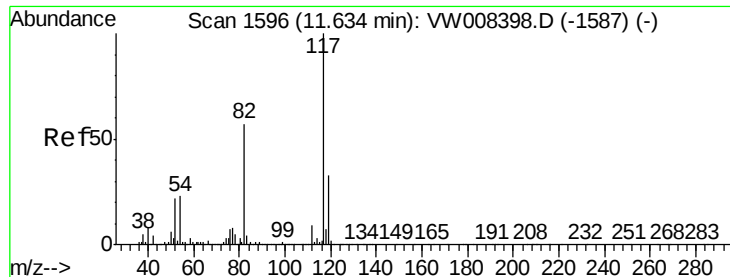
Tot Ion: 107 Resp: 26232
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 5.077 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

Tgt Ion: 95 Resp: 47302
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 157.6
 176 77.3 0.0 151.8

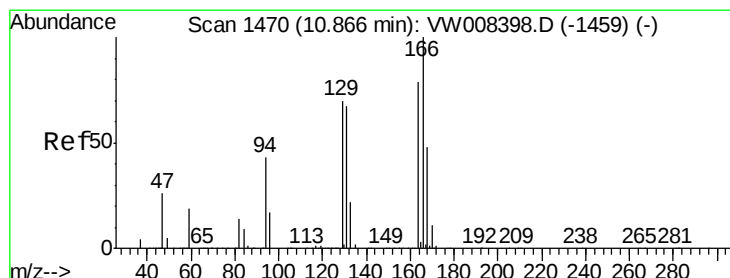
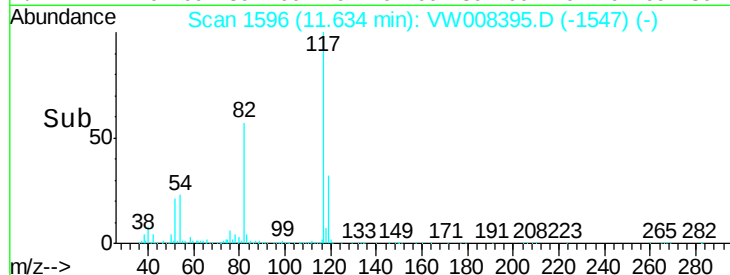
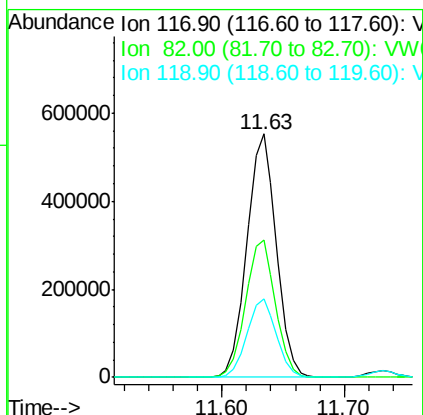
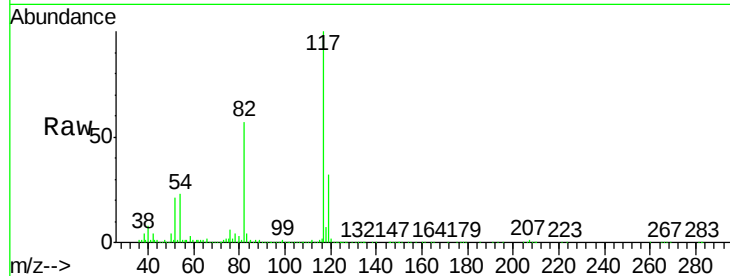




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

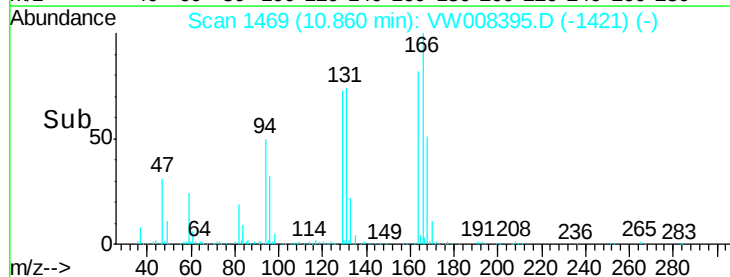
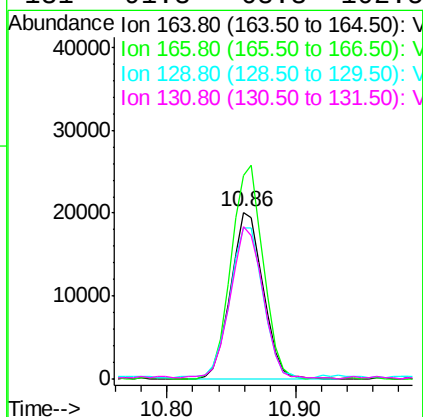
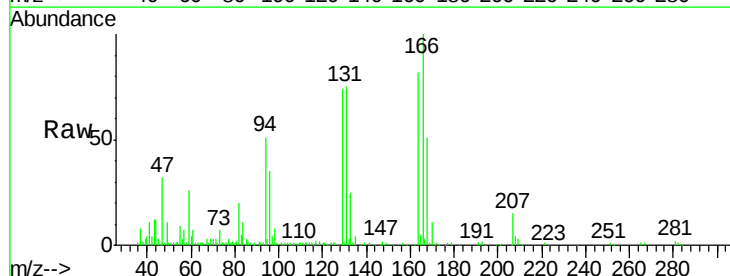
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

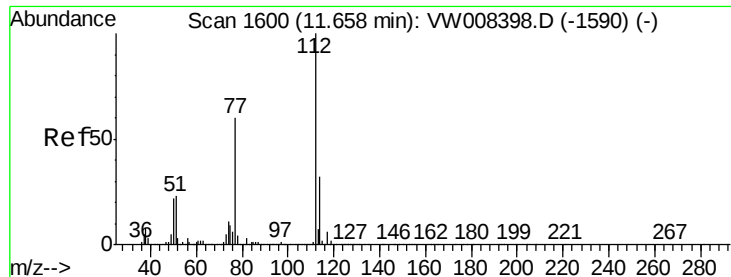
Tot Ion:117 Resp: 920499
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.0
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 5.456 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion:164 Resp: 35214
Ion Ratio Lower Upper
164 100
166 122.3 101.4 152.0
129 89.1 71.0 106.6
131 91.3 68.3 102.5





#65

Chlorobenzene

Concen: 5.067 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

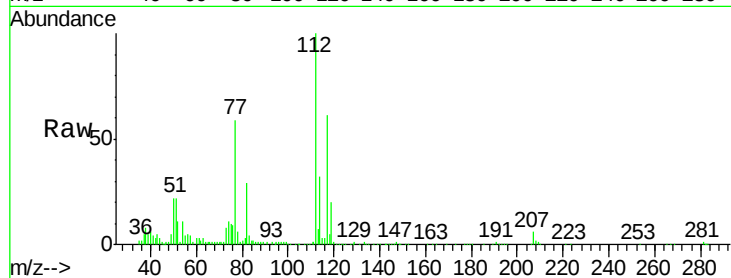
VSTDIC005

Tot Ion:112 Resp: 101743

Ion Ratio Lower Upper

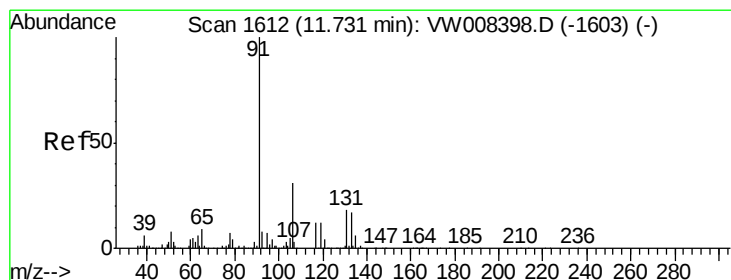
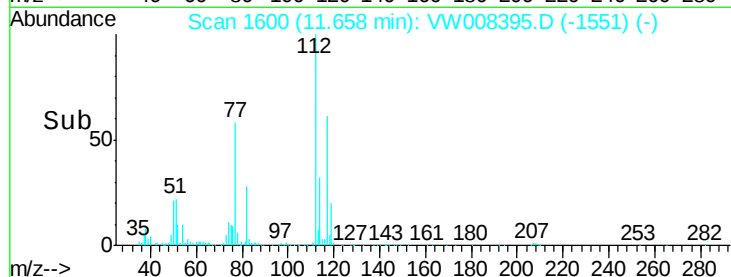
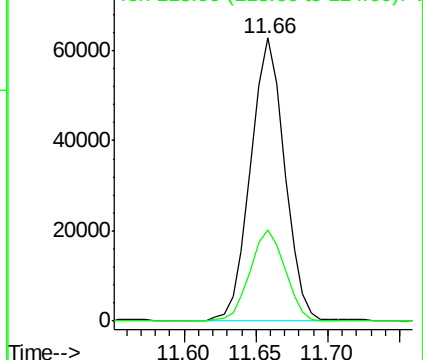
112 100

114 32.2 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.292 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

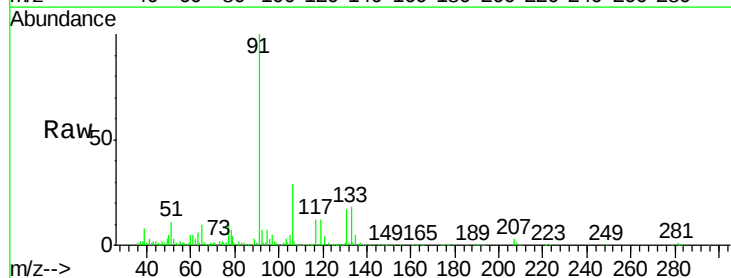
Tgt Ion:131 Resp: 36572

Ion Ratio Lower Upper

131 100

133 97.9 47.0 141.2

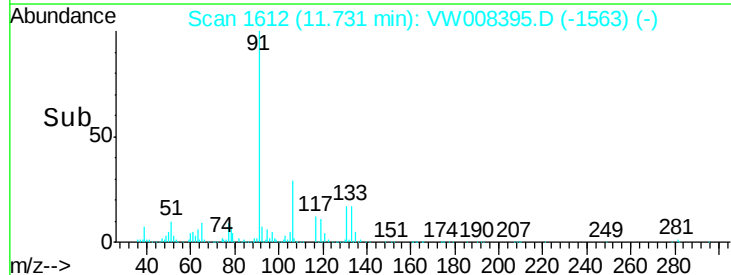
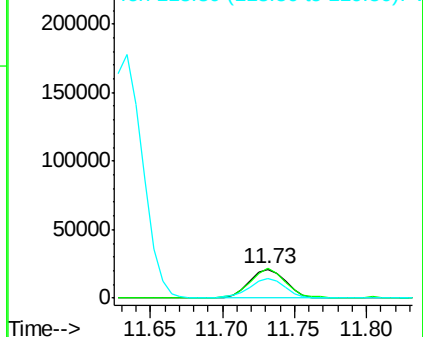
119 64.1 32.1 96.3

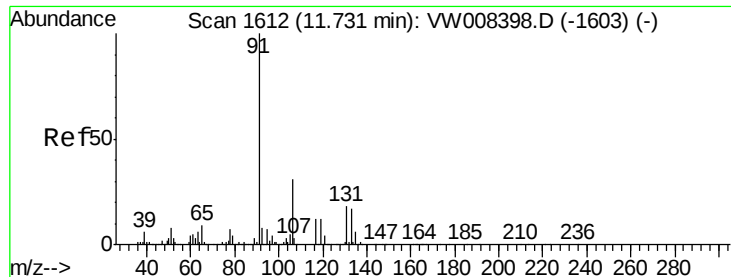


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

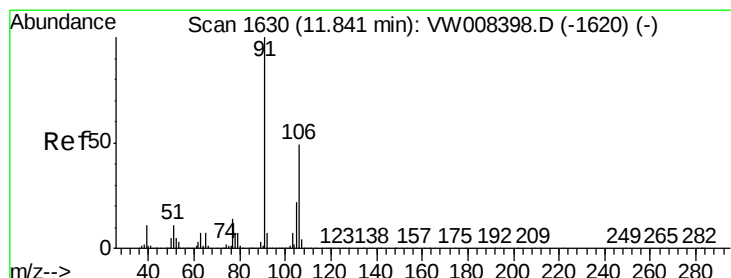
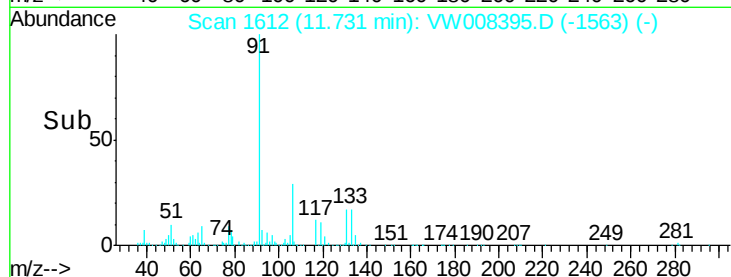
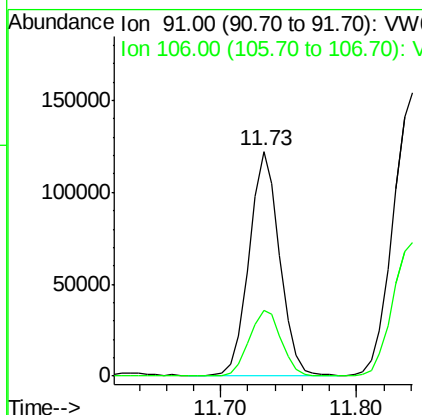
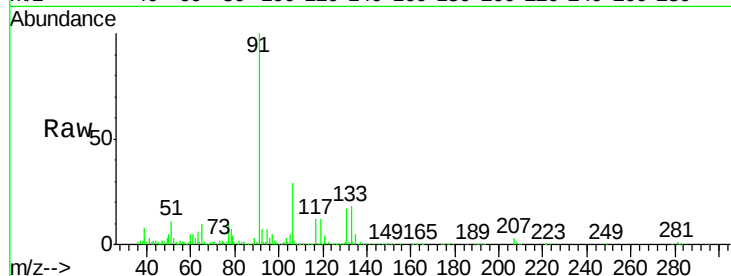




#67
Ethyl Benzene
Concen: 5.470 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

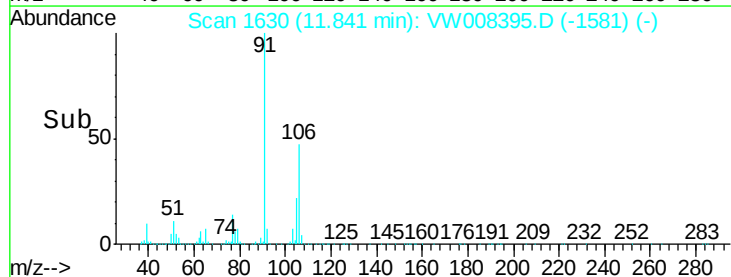
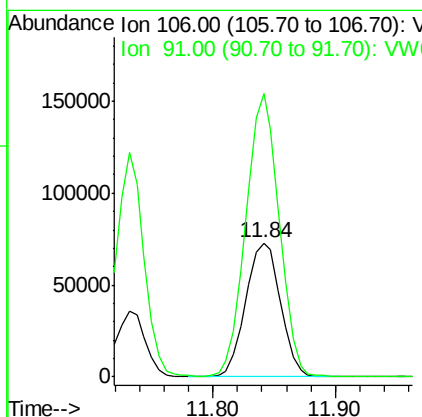
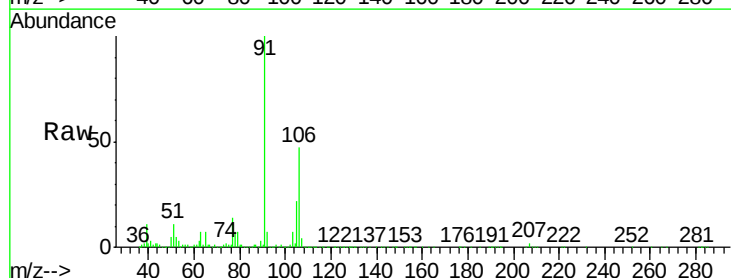
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 190700
Ion Ratio Lower Upper
91 100
106 29.4 24.7 37.1



#68
m/p-Xylenes
Concen: 10.618 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion: 106 Resp: 143675
Ion Ratio Lower Upper
106 100
91 201.8 162.9 244.3

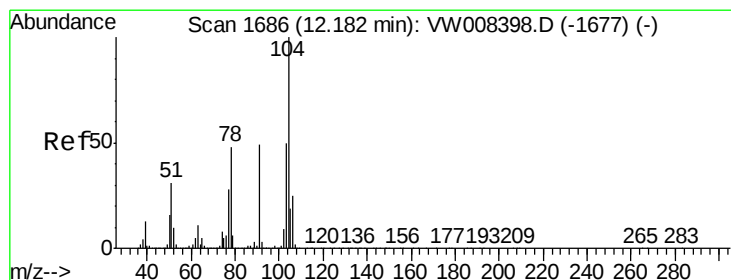
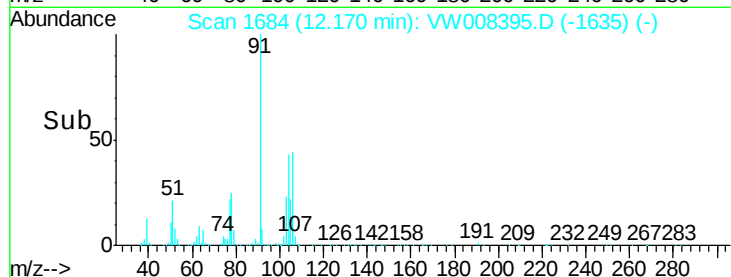
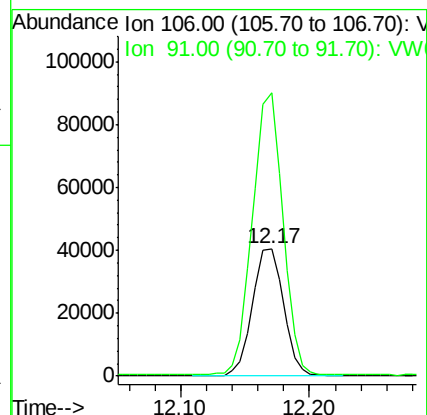
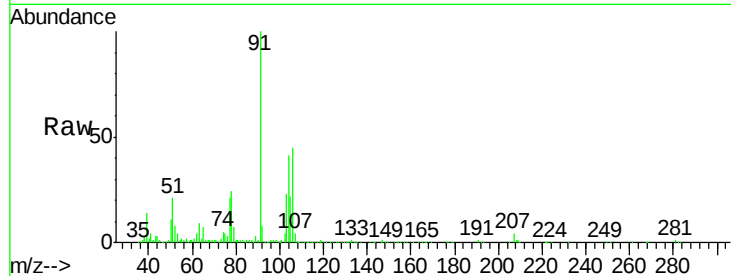




#69
o-Xylene
Concen: 5.337 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

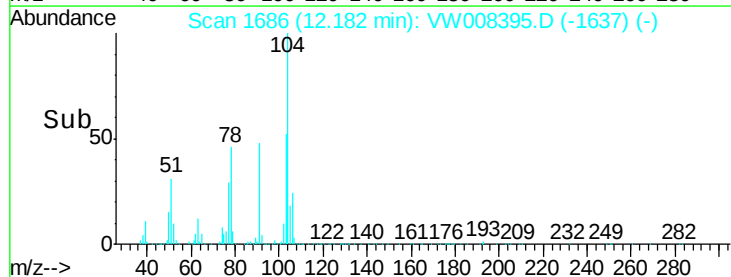
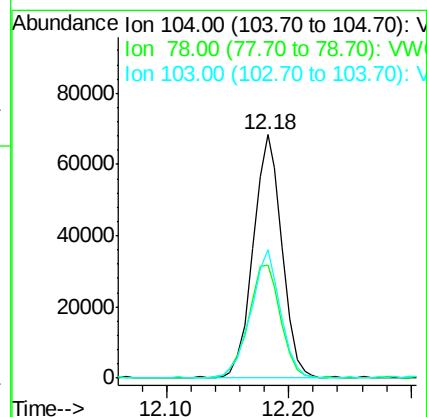
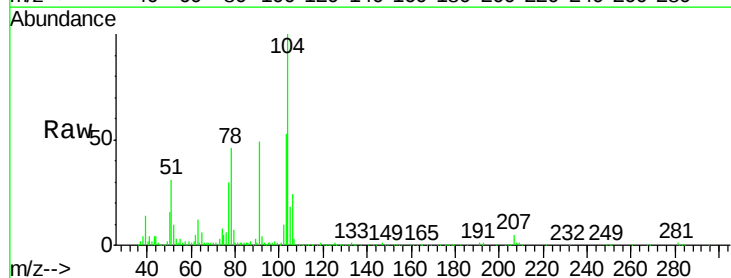
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

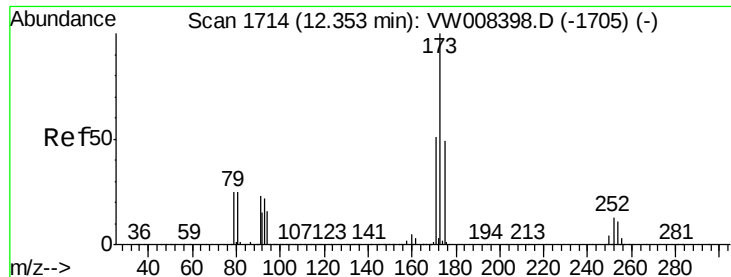
Tot Ion:106 Resp: 67475
Ion Ratio Lower Upper
106 100
91 216.6 107.5 322.4



#70
Styrene
Concen: 5.492 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion:104 Resp: 111523
Ion Ratio Lower Upper
104 100
78 51.6 42.4 63.6
103 53.7 43.4 65.0





#71

Bromoform

Concen: 5.869 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

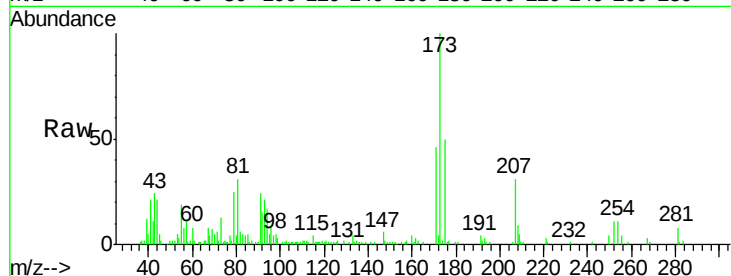
Tot Ion:173 Resp: 20203

Ion Ratio Lower Upper

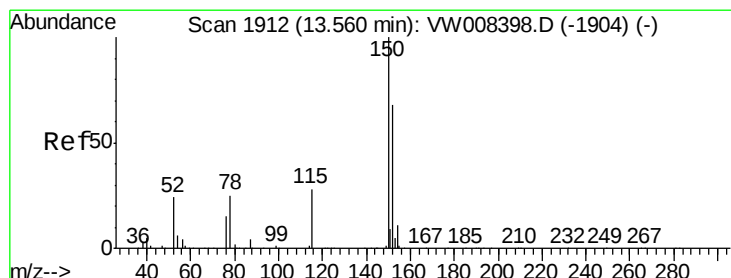
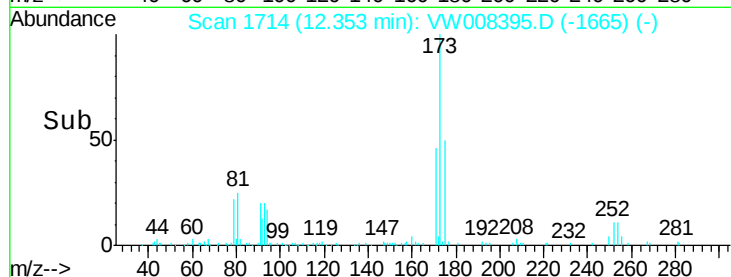
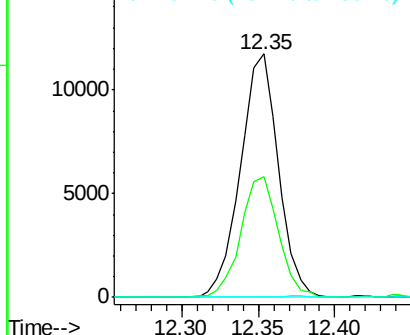
173 100

175 49.4 24.4 73.4

254 0.4 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

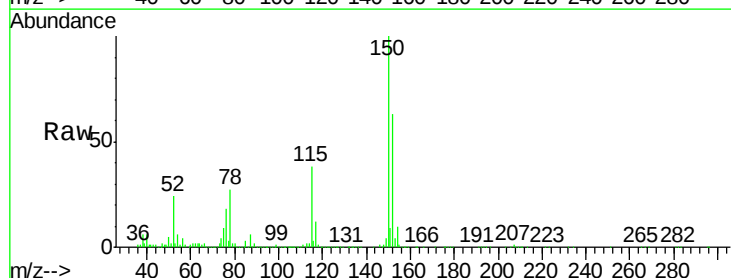
Tgt Ion:152 Resp: 461547

Ion Ratio Lower Upper

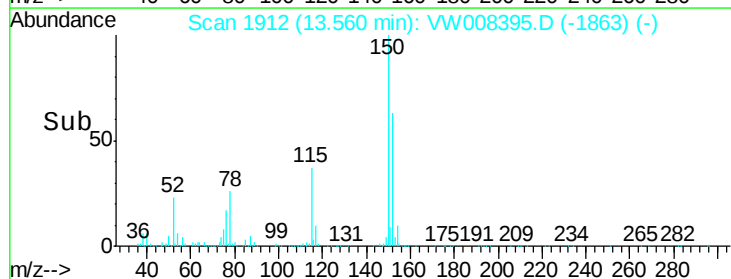
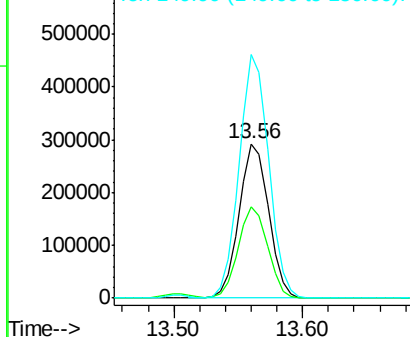
152 100

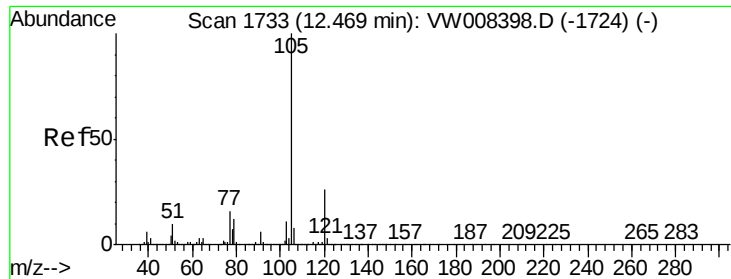
115 59.5 29.9 89.7

150 158.4 0.0 351.4



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





#73

Isopropylbenzene

Concen: 5.600 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

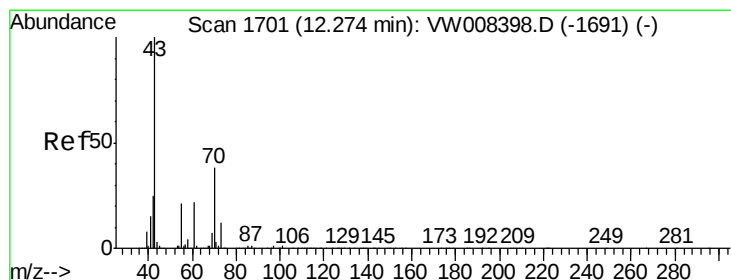
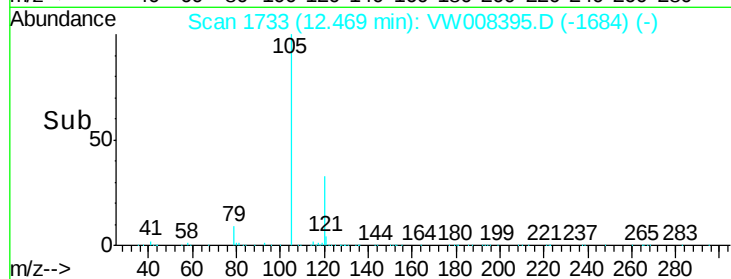
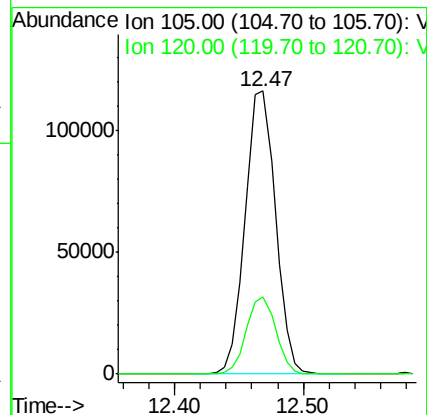
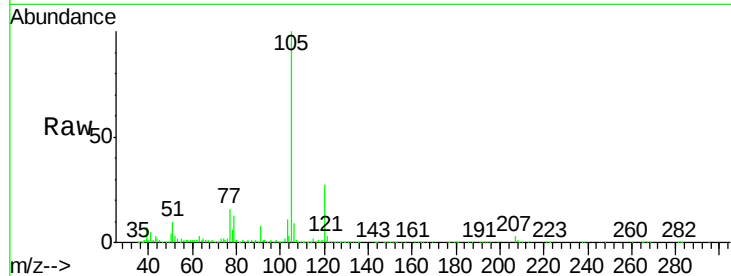
VSTDIC005

Tot Ion:105 Resp: 188311

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



#74

N-ethyl acetate

Concen: 6.591 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Tgt Ion: 43 Resp: 47504

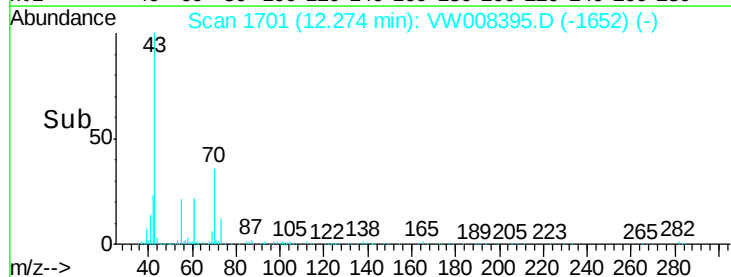
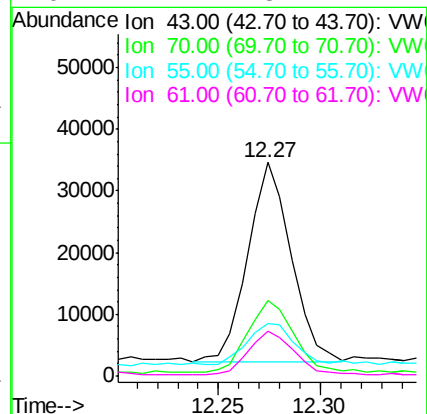
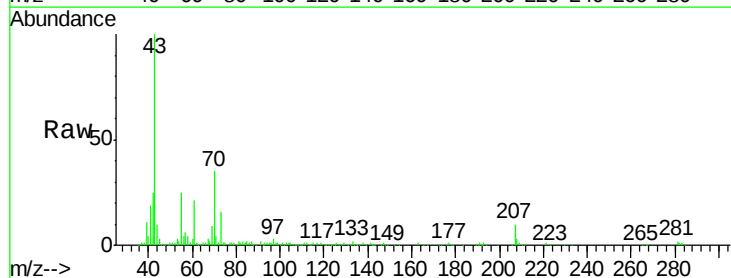
Ion Ratio Lower Upper

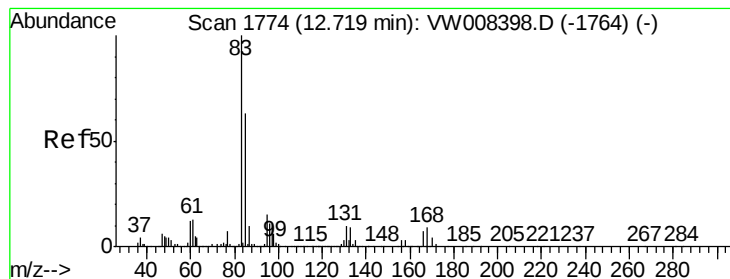
43 100

70 39.0 31.0 46.6

55 24.5 17.4 26.2

61 22.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.177 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

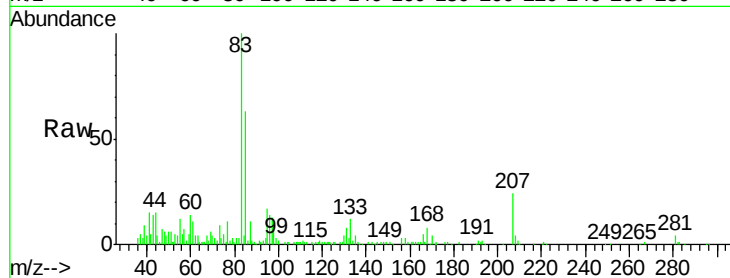
Tot Ion: 83 Resp: 29612

Ion Ratio Lower Upper

83 100

131 10.2 5.5 16.4

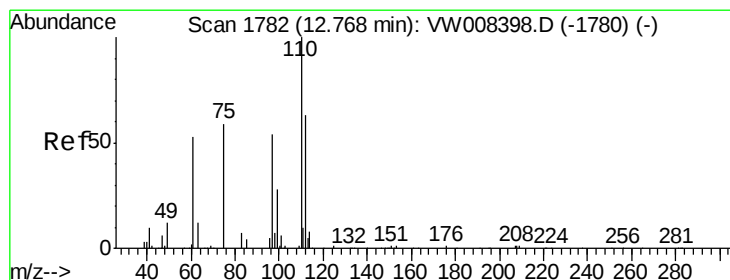
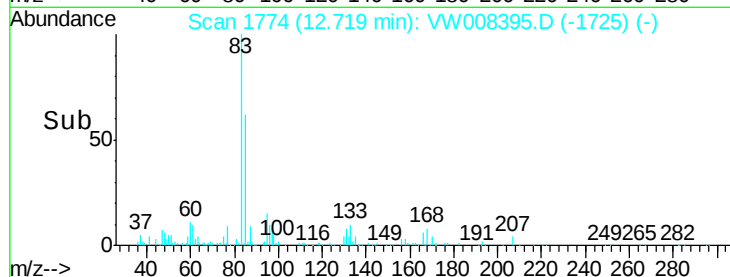
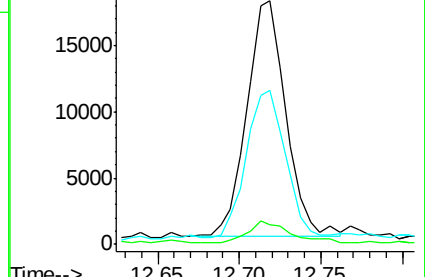
85 63.1 31.9 95.5



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: 10.331 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008395.D

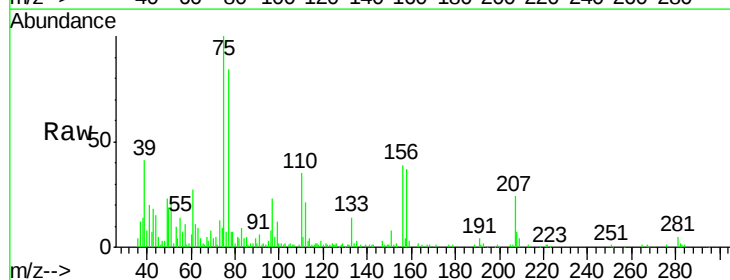
Acq: 24 Jan 2019 13:44

Tgt Ion: 75 Resp: 43422

Ion Ratio Lower Upper

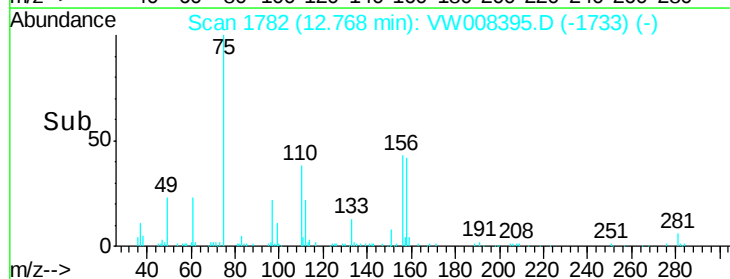
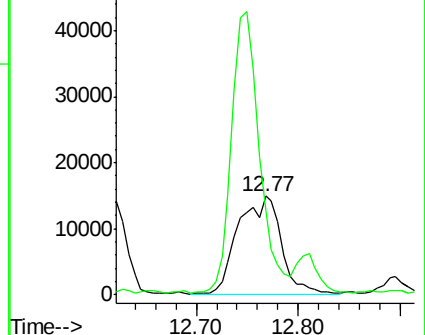
75 100

77 185.0 180.7 542.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.082 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

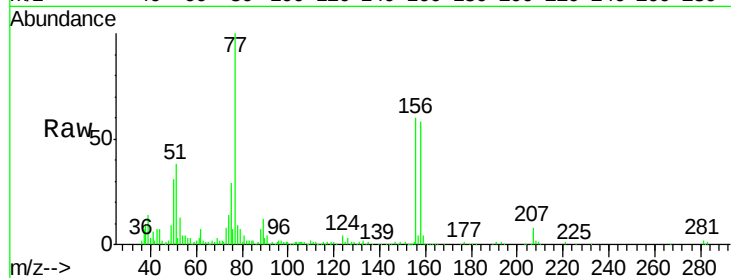
Tot Ion:156 Resp: 41054

Ion Ratio Lower Upper

156 100

77 195.7 96.9 290.7

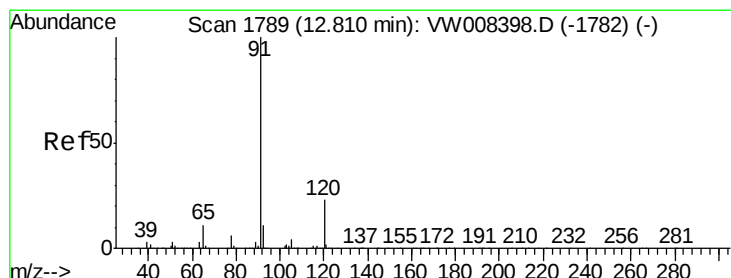
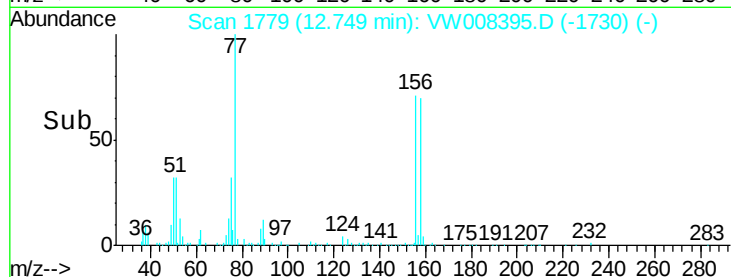
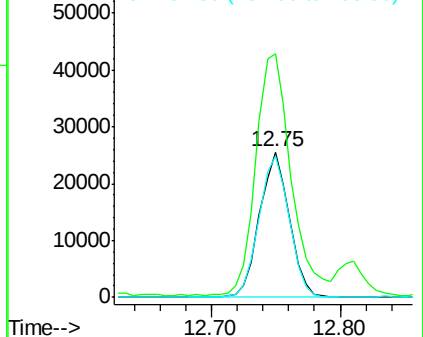
158 98.8 48.8 146.4



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: 5.566 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008395.D

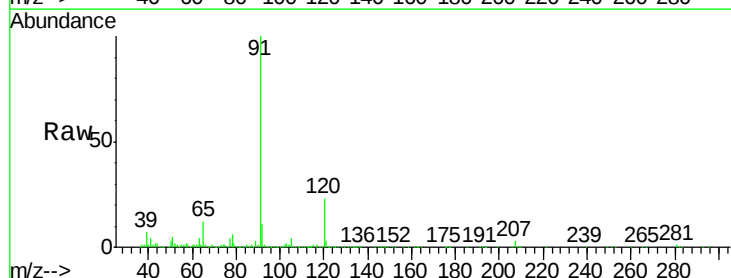
Acq: 24 Jan 2019 13:44

Tgt Ion: 91 Resp: 226544

Ion Ratio Lower Upper

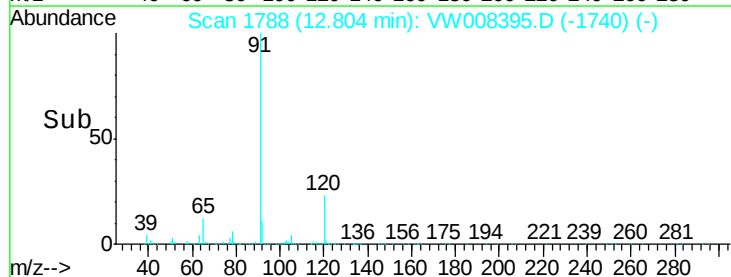
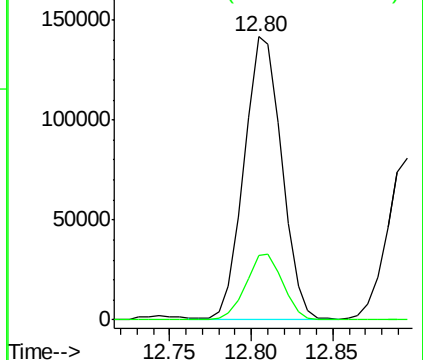
91 100

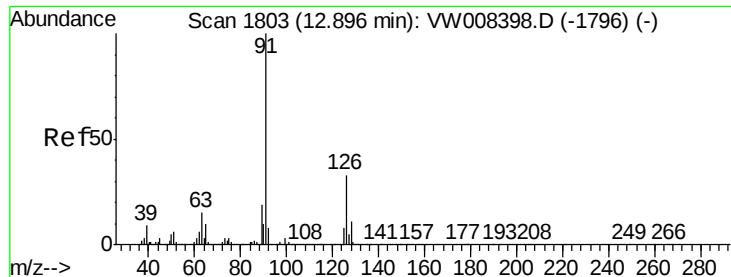
120 22.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.447 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampled :

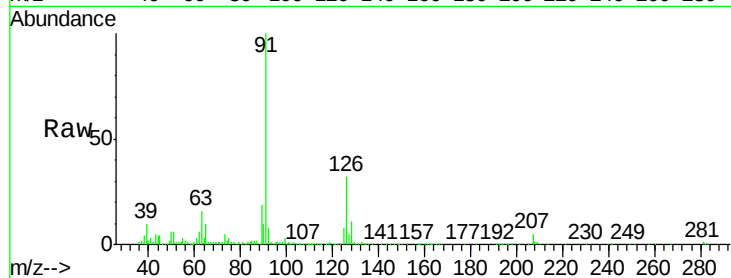
VSTDIC005

Tot Ion: 91 Resp: 126690

Ion Ratio Lower Upper

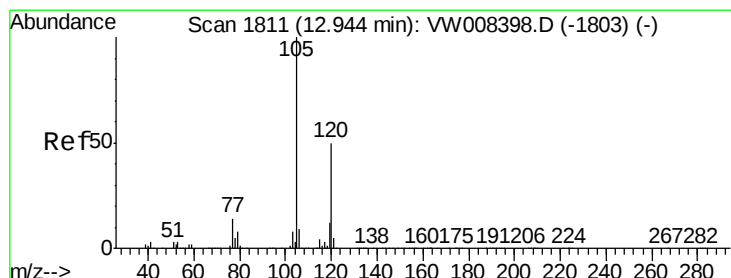
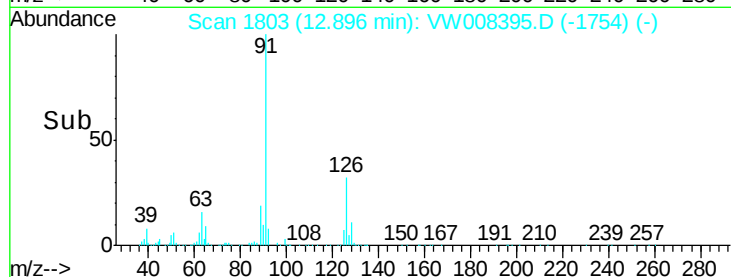
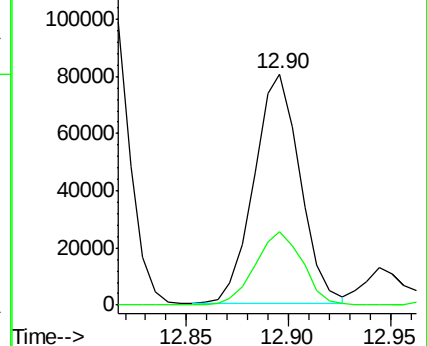
91 100

126 32.9 16.5 49.5



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: 5.597 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008395.D

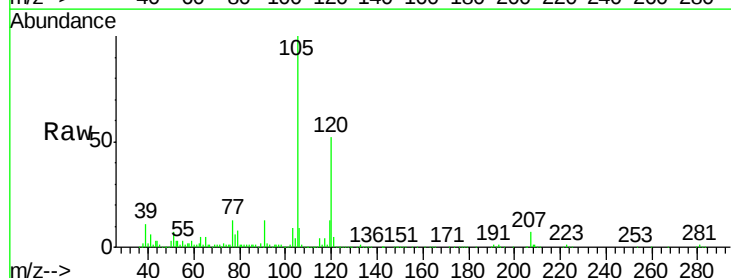
Acq: 24 Jan 2019 13:44

Tgt Ion: 105 Resp: 157058

Ion Ratio Lower Upper

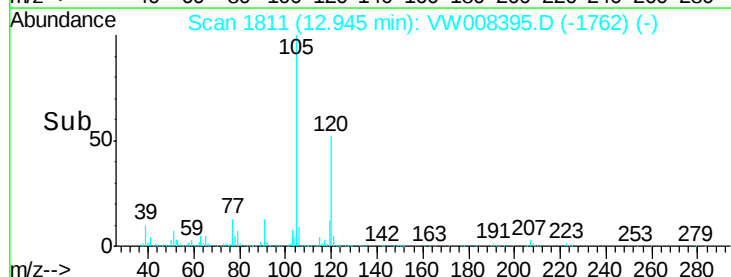
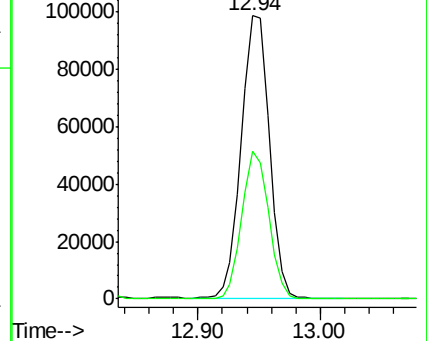
105 100

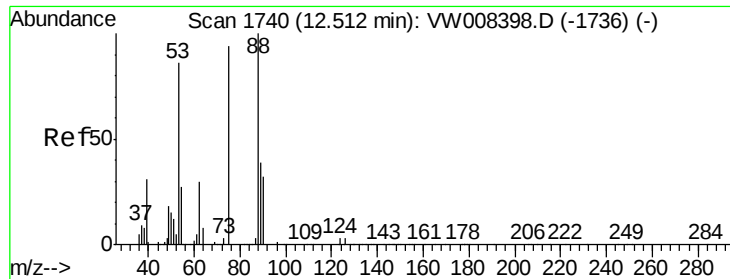
120 50.1 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

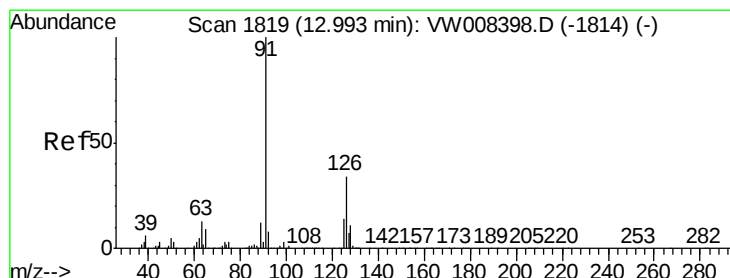
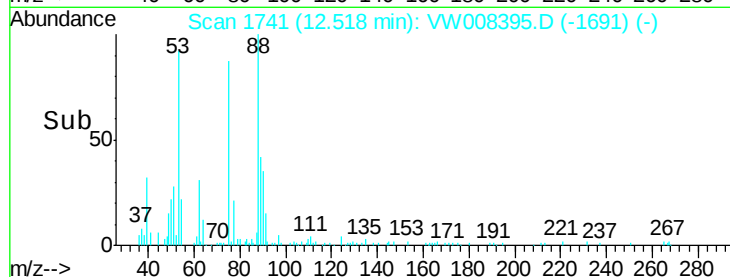
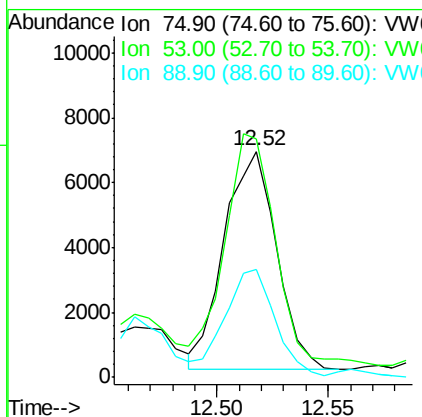
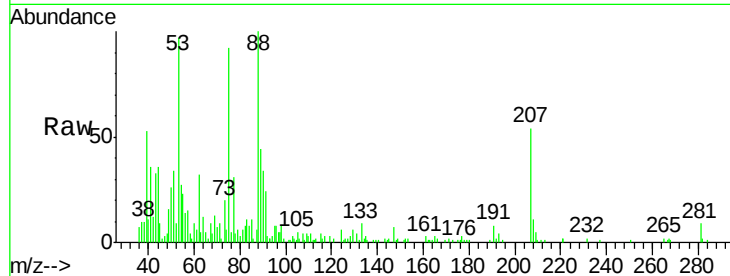




#81
trans-1,4-Dichloro-2-butene
Concen: 6.249 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

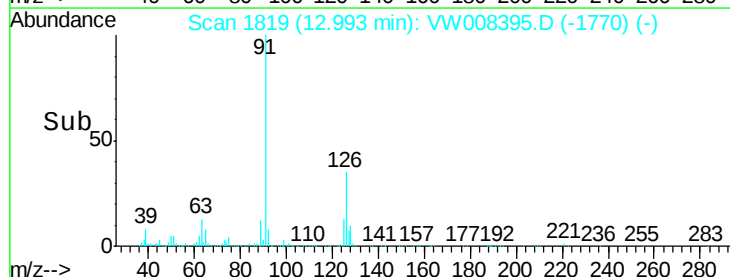
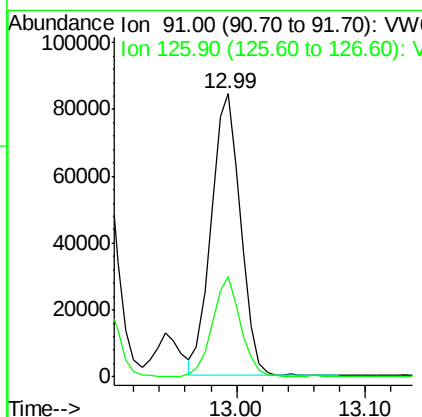
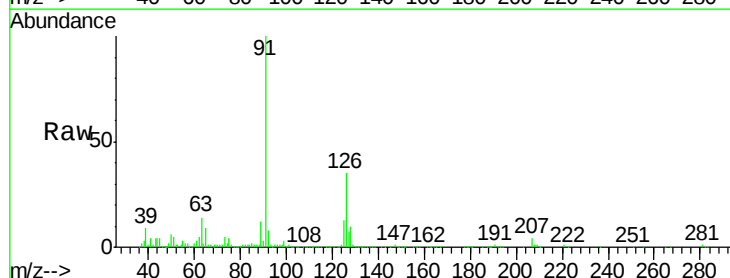
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

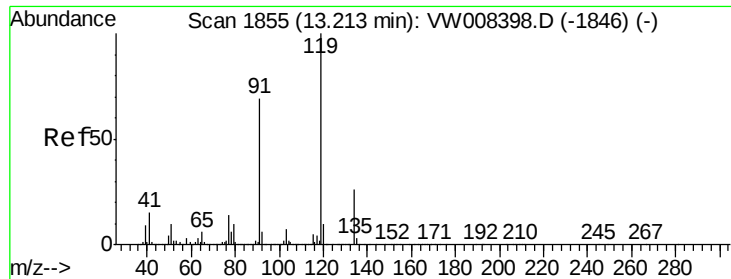
Tot Ion: 75 Resp: 11006
Ion Ratio Lower Upper
75 100
53 103.2 76.0 114.0
89 46.3 35.4 53.0



#82
4-Chlorotoluene
Concen: 5.547 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion: 91 Resp: 134805
Ion Ratio Lower Upper
91 100
126 33.9 16.4 49.2

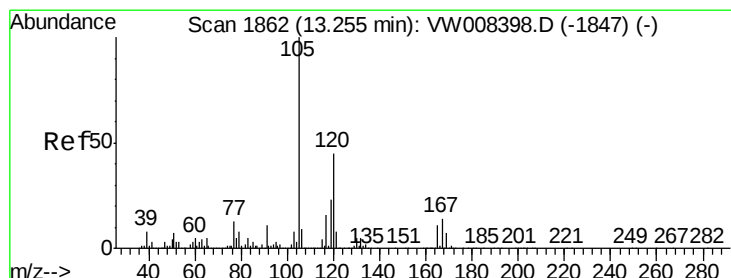
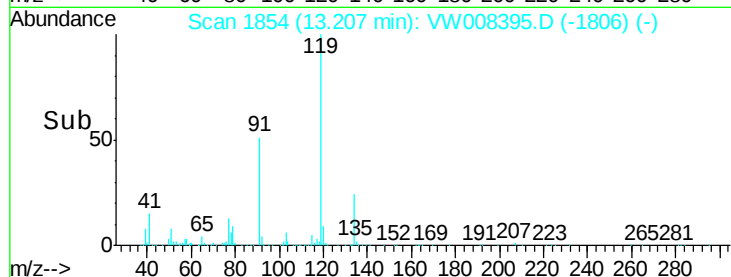
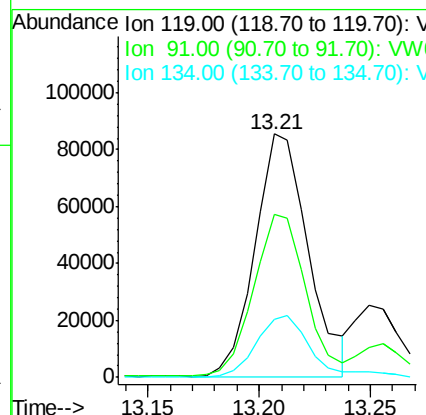
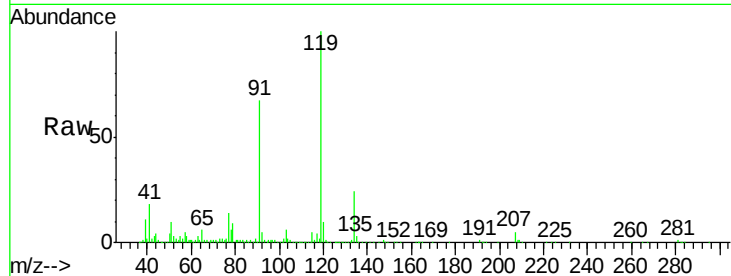




#83
 tert-Butylbenzene
 Concen: 5.745 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

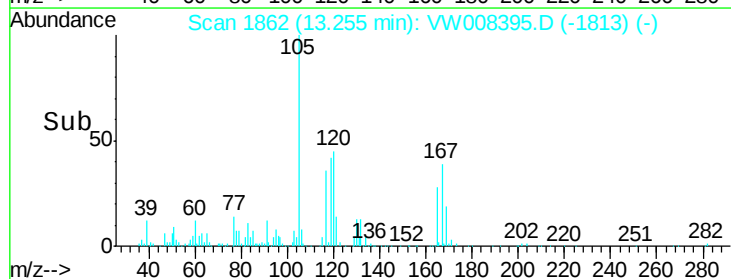
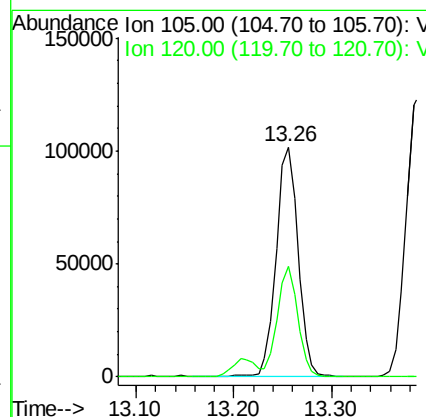
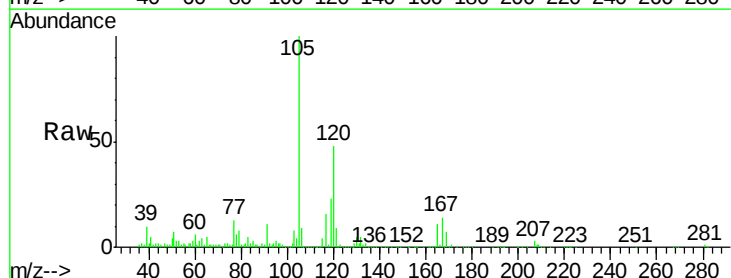
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

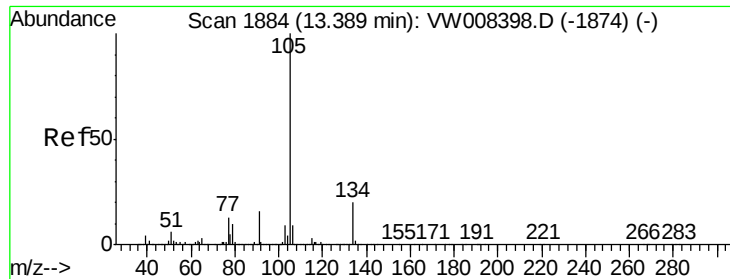
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	33.8	101.4
134	26.4	13.5	40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 5.565 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.1	69.2





#85

sec-Butylbenzene

Concen: 5.561 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

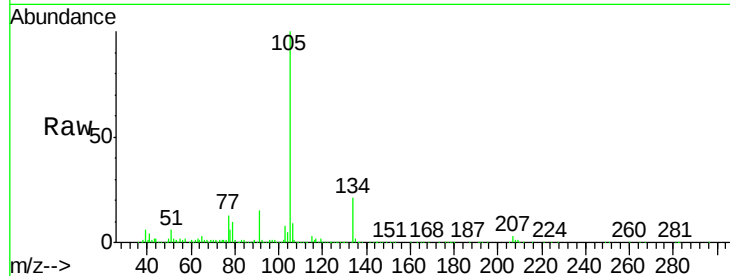
VSTDIC005

Tot Ion:105 Resp: 197227

Ion Ratio Lower Upper

105 100

134 21.1 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

150000

100000

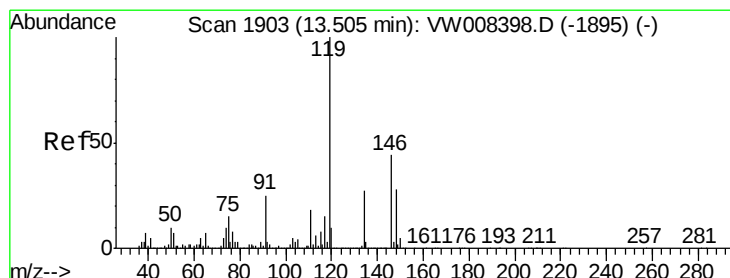
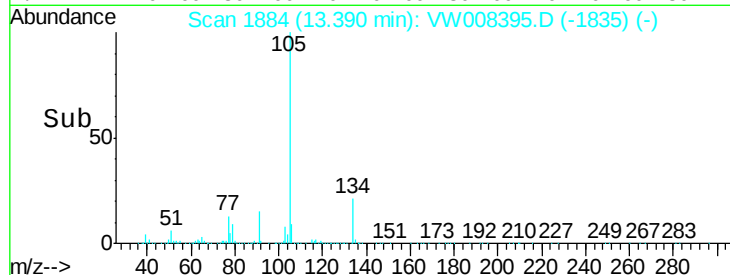
50000

0

Time-->

13.30

13.40



#86

p-Isopropyltoluene

Concen: 5.581 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

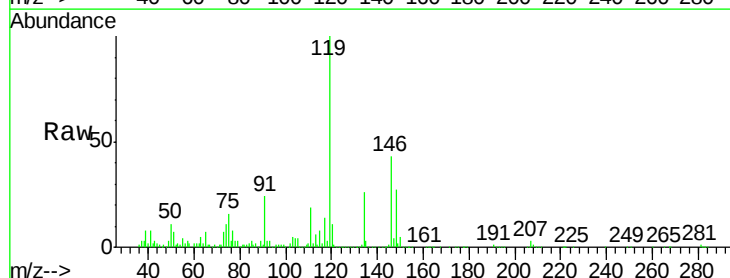
Tgt Ion:119 Resp: 172866

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 24.9 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

150000

100000

50000

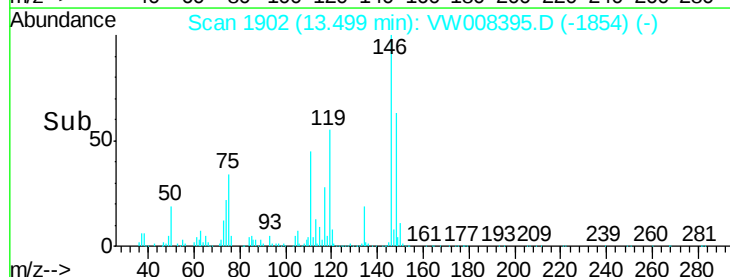
0

Time-->

13.40

13.50

13.60





#87

1,3-Dichlorobenzene

Concen: 5.070 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

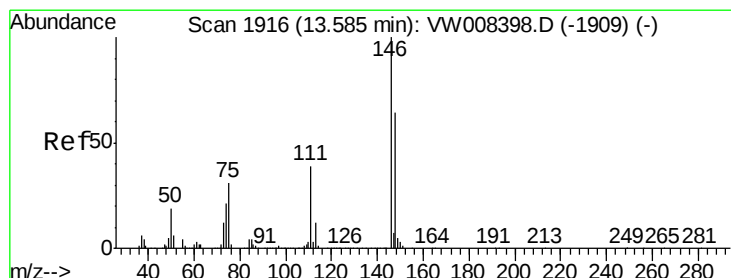
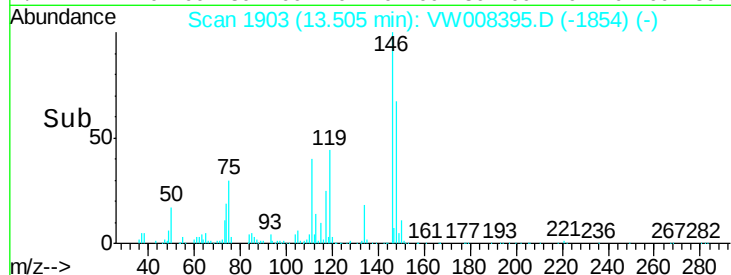
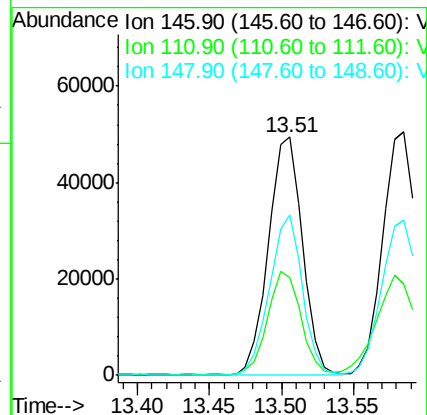
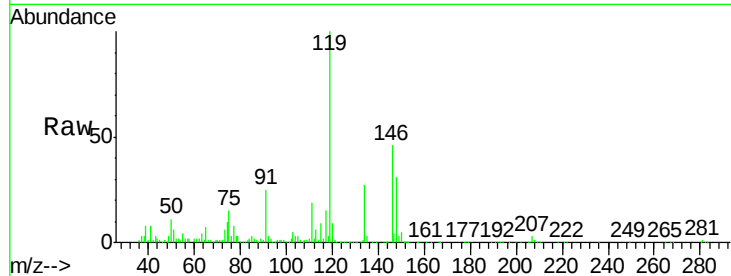
Tot Ion:146 Resp: 81366

Ion Ratio Lower Upper

146 100

111 41.9 20.3 60.9

148 64.6 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 5.124 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

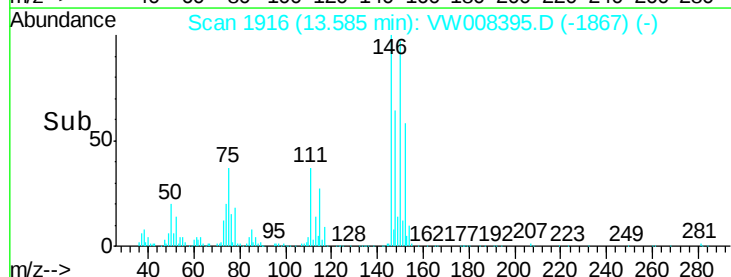
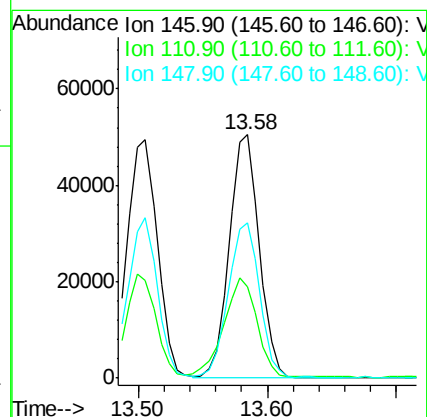
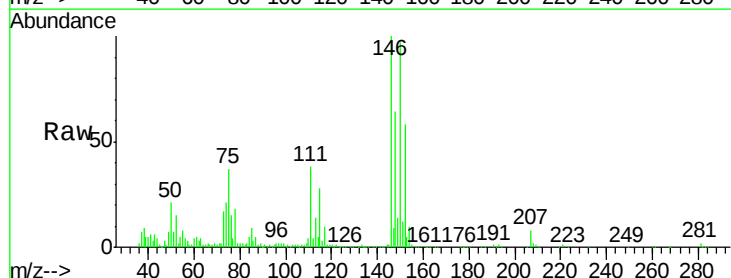
Tgt Ion:146 Resp: 82387

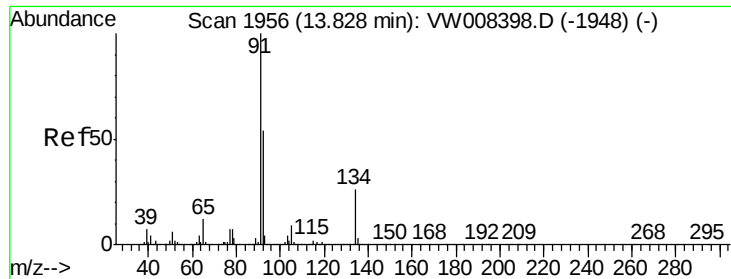
Ion Ratio Lower Upper

146 100

111 44.9 20.0 60.0

148 66.7 32.0 96.2





#89

n-Butylbenzene

Concen: 5.739 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

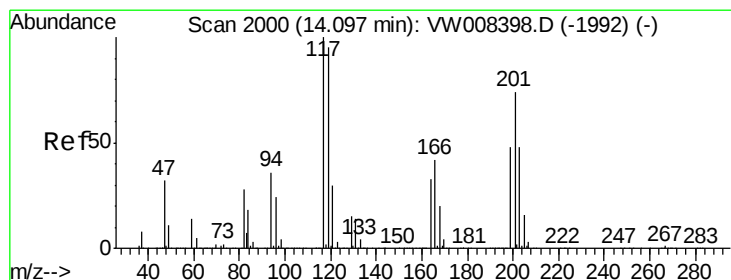
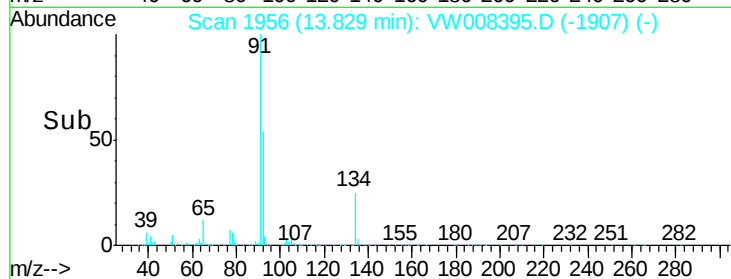
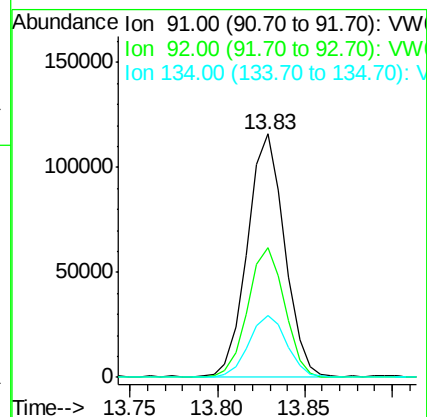
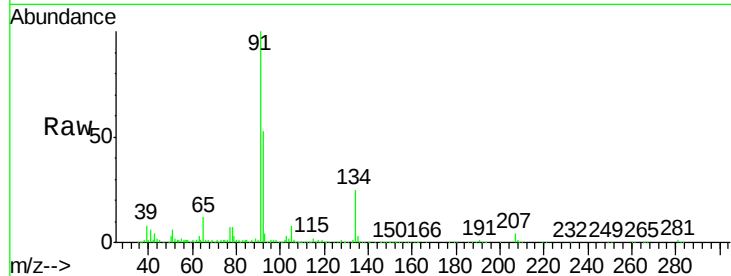
Tot Ion: 91 Resp: 170521

Ion Ratio Lower Upper

91 100

92 53.4 27.4 82.2

134 26.0 13.0 39.0



#90

Hexachloroethane

Concen: 6.247 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008395.D

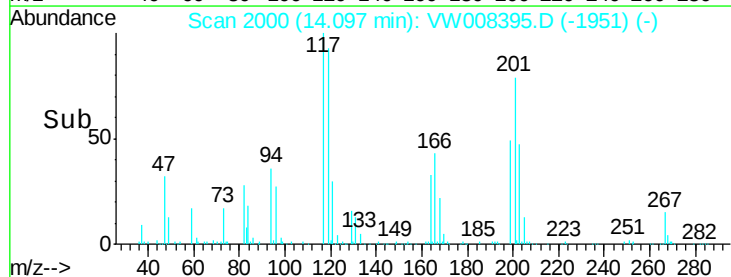
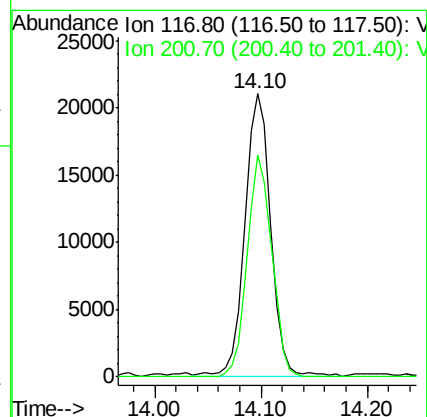
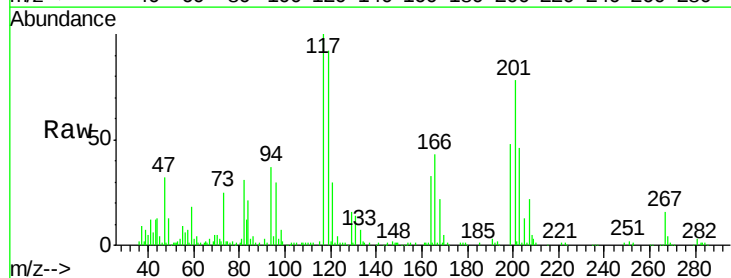
Acq: 24 Jan 2019 13:44

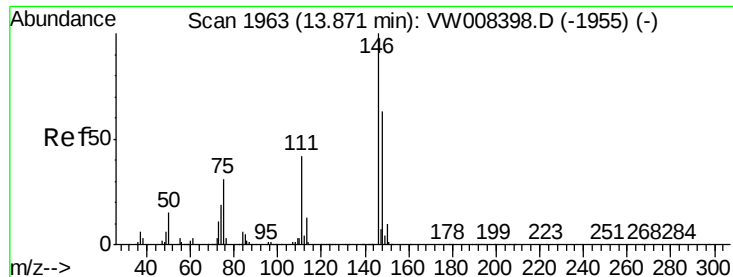
Tgt Ion: 117 Resp: 35811

Ion Ratio Lower Upper

117 100

201 75.1 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 5.123 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

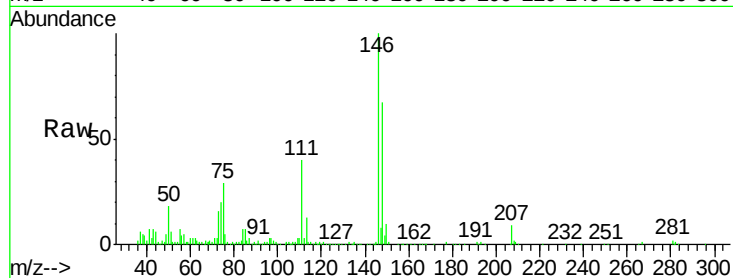
Tot Ion:146 Resp: 72592

Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.3

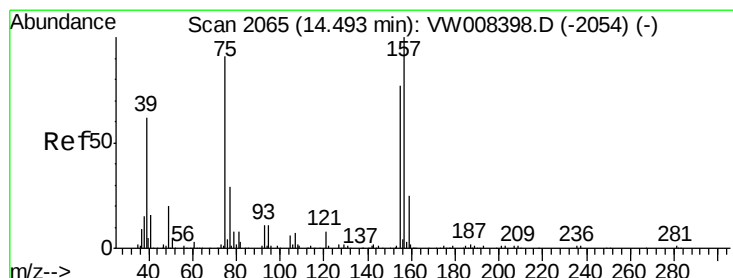
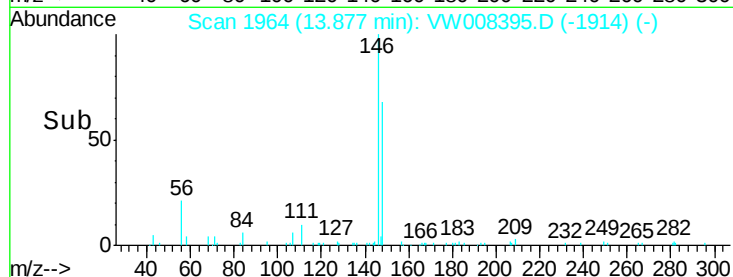
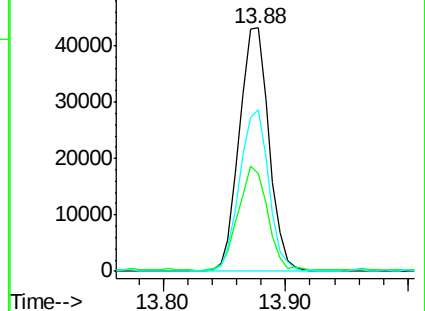
148 65.0 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.921 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW008395.D

Acq: 24 Jan 2019 13:44

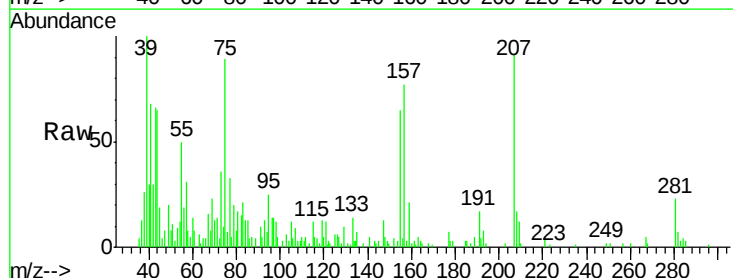
Tgt Ion: 75 Resp: 5538

Ion Ratio Lower Upper

75 100

155 86.9 42.7 128.1

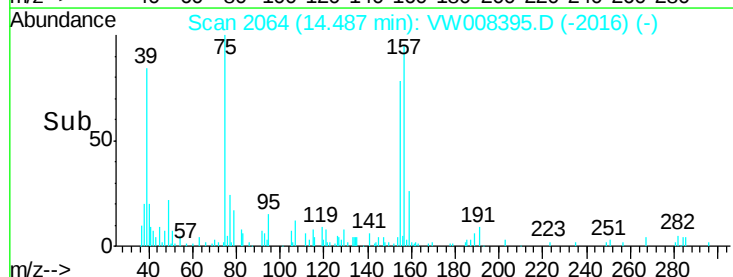
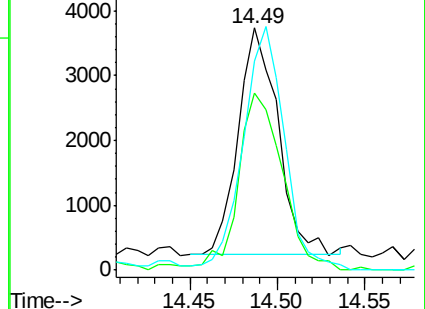
157 111.4 55.5 166.3

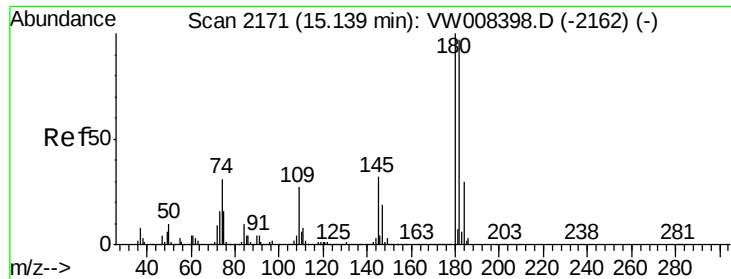


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

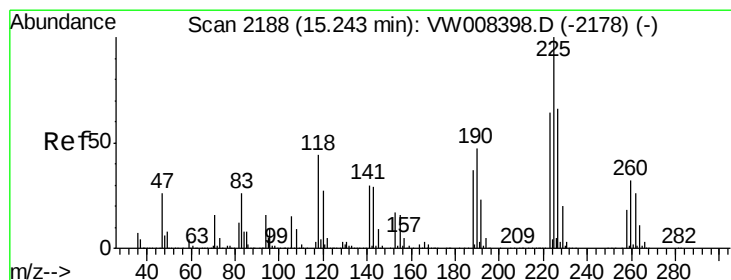
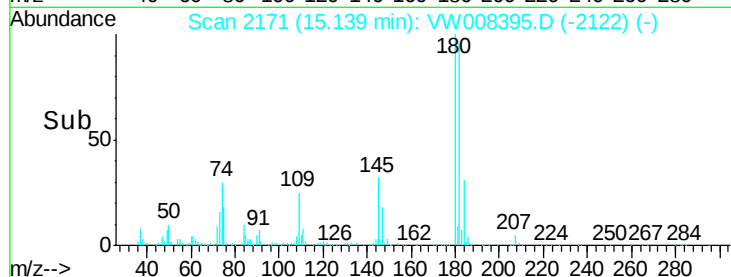
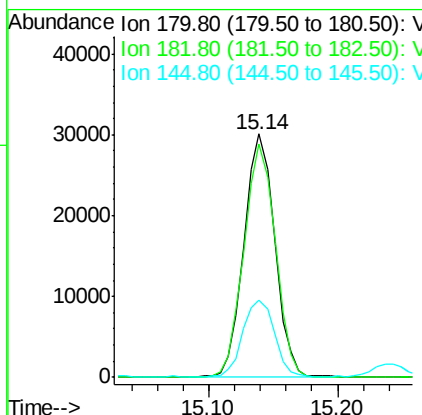
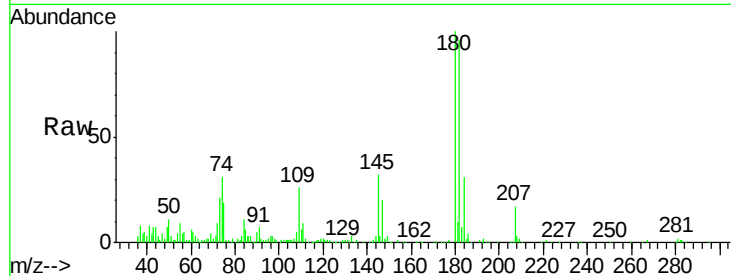




#93
 1,2,4-Trichlorobenzene
 Concen: 5.196 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

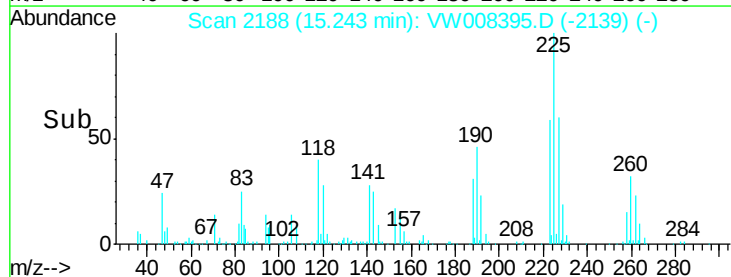
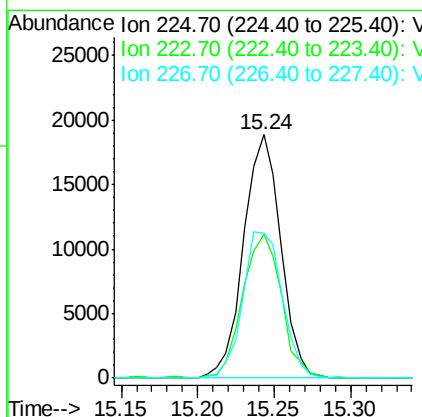
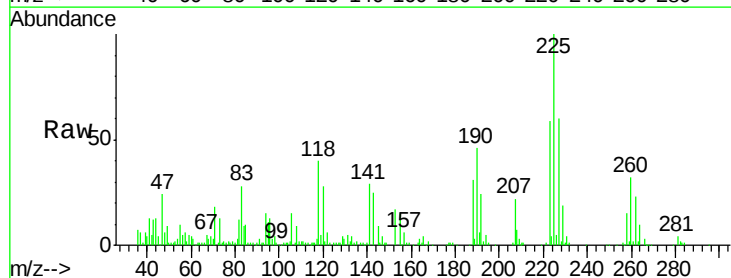
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

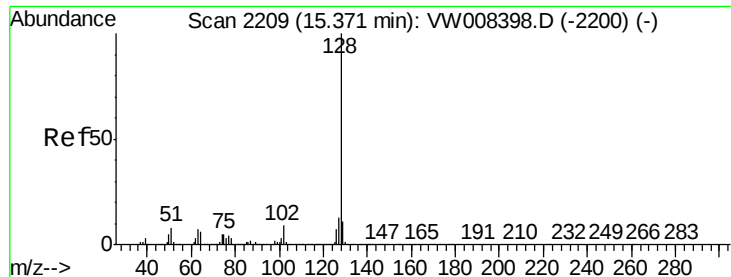
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.9	143.7
145	32.9	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 5.912 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008395.D
 Acq: 24 Jan 2019 13:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.7	95.1
227	64.4	32.1	96.3

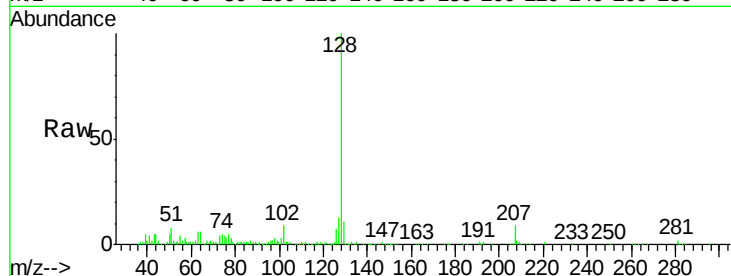




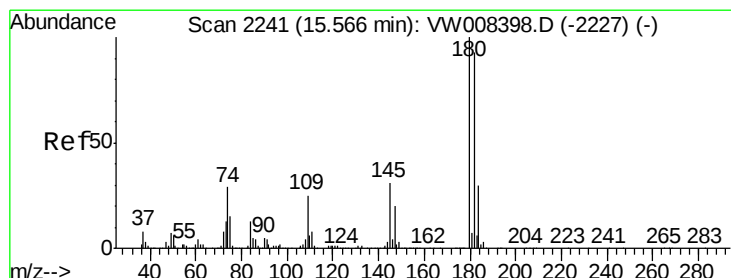
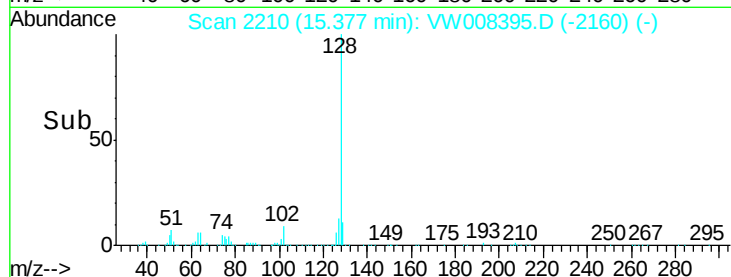
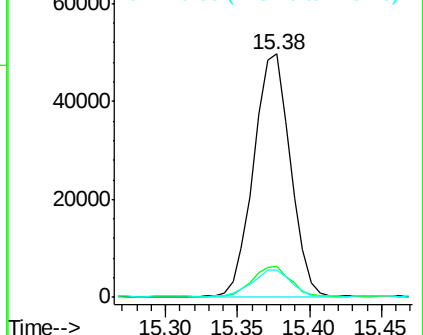
#95
Naphthalene
Concen: 5.458 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 87482
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 11.7 8.7 13.1

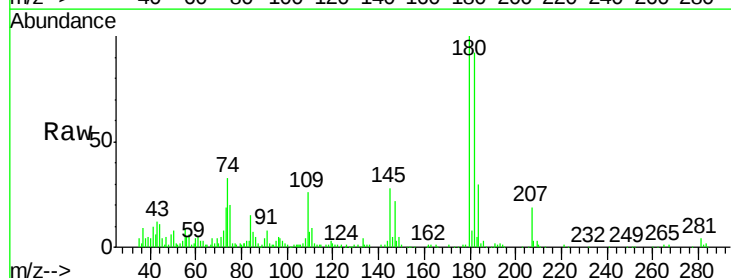


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 5.151 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008395.D
Acq: 24 Jan 2019 13:44

Tgt Ion:180 Resp: 43036
Ion Ratio Lower Upper
180 100
182 96.8 47.0 141.2
145 32.5 15.9 47.6



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

