

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012519\
 Data File : VW008415.D
 Acq On : 25 Jan 2019 17:00
 Operator : SY/VA
 Sample : K1238-31
 Misc : 5.53G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S4

Quant Time: Jan 28 01:39:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	27	50.00	ug/l	-0.12
34) 1,4-Difluorobenzene	8.73	114	19	50.00	ug/l	-0.11
63) Chlorobenzene-d5	11.47	117	118	50.00	ug/l	-0.16
72) 1,4-Dichlorobenzene-d4	13.58	152	76	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.20	65	320	1206.41	ug/l	-0.10
Spiked Amount	50.000		Recovery	=	2412.82%	
35) Dibromofluoromethane	7.79	113	19	171.02	ug/l	-0.10
Spiked Amount	50.000		Recovery	=	342.04%	
50) Toluene-d8	10.18	98	282	632.98	ug/l	-0.15
Spiked Amount	50.000		Recovery	=	1265.96%	
62) 4-Bromofluorobenzene	12.49	95	209	1220.45	ug/l	-0.13
Spiked Amount	50.000		Recovery	=	2440.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.98	85	168	1009.934	ug/l #	41
3) Chloromethane	2.17	50	147	666.988	ug/l #	42
4) Vinyl Chloride	2.30	62	75	267.326	ug/l #	43
5) Bromomethane	2.78	94	72	397.878	ug/l #	2
6) Chloroethane	2.87	64	58	338.034	ug/l #	44
7) Trichlorofluoromethane	3.23	101	26	101.204	ug/l #	1
8) Diethyl Ether	3.62	74	135	1002.609	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.08	101	24	98.279	ug/l #	1
10) Methyl Iodide	3.95	142	48	124.442	ug/l #	10
11) Tert butyl alcohol	5.08	59	84	3933.387	ug/l #	1
12) 1,1-Dichloroethene	3.98	96	500	2023.160	ug/l #	23
13) Acrolein	3.84	56	246	12841.702	ug/l #	14
14) Allyl chloride	4.60	41	566	1206.080	ug/l #	40
15) Acrylonitrile	5.30	53	366	6294.891	ug/l #	47
16) Acetone	4.07	43	417	7000.668	ug/l #	46
17) Carbon Disulfide	4.35	76	65	82.350	ug/l #	74
18) Methyl Acetate	4.61	43	269	1693.164	ug/l #	50
19) Methyl tert-butyl Ether	5.35	73	914	2235.278	ug/l #	59
20) Methylene Chloride	4.84	84	237	863.255	ug/l #	4
21) trans-1,2-Dichloroethene	5.34	96	112	403.105	ug/l #	5
22) Diisopropyl ether	6.23	45	193	216.997	ug/l #	39
23) Vinyl Acetate	6.17	43	152	289.426	ug/l #	87
24) 1,1-Dichloroethane	6.13	63	51	101.302	ug/l #	95
25) 2-Butanone	7.04	43	379	4580.852	ug/l #	50
26) 2,2-Dichloropropane	7.07	77	247	725.834	ug/l #	1
27) cis-1,2-Dichloroethene	7.00	96	384	1268.151	ug/l	30
28) Bromochloromethane	7.29	49	42	181.634	ug/l #	5
29) Tetrahydrofuran	7.42	42	273	5206.976	ug/l #	34
30) Chloroform	7.74	83	144	290.801	ug/l	89
31) Cyclohexane	7.85	56	202	388.037	ug/l #	16
32) 1,1,1-Trichloroethane	7.74	97	96	224.455	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	193	1075.352	ug/l #	1
37) Ethyl Acetate	7.17	43	197	2480.950	ug/l #	70
38) Carbon Tetrachloride	7.96	117	237	1312.252	ug/l #	17

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	288	1221.512	ug/l #	25
40) Benzene	8.24	78	144	289.143	ug/l #	52
41) Methacrylonitrile	7.39	41	273	5806.387	ug/l #	25
42) 1,2-Dichloroethane	8.30	62	44	304.866	ug/l #	74
43) Isopropyl Acetate	8.34	43	721	4370.572	ug/l #	57
44) Trichloroethene	8.98	130	47	347.045	ug/l	2
45) 1,2-Dichloropropane	9.29	63	87	700.616	ug/l #	67
46) Dibromomethane	9.32	93	190	2974.865	ug/l #	1
47) Bromodichloromethane	9.52	83	110	651.144	ug/l #	78
48) Methyl methacrylate	9.34	41	256	3173.712	ug/l #	64
49) 1,4-Dioxane	9.44	88	53	49093.456	ug/l #	1
51) 4-Methyl-2-Pentanone	10.07	43	399	4895.778	ug/l #	80
52) Toluene	10.22	92	66	200.758	ug/l	98
53) t-1,3-Dichloropropene	10.49	75	324	1802.422	ug/l #	79
54) cis-1,3-Dichloropropene	9.96	75	229	1122.567	ug/l #	61
55) 1,1,2-Trichloroethane	10.66	97	73	824.029	ug/l #	47
56) Ethyl methacrylate	10.54	69	131	1055.324	ug/l #	21
57) 1,3-Dichloropropane	10.80	76	49	308.742	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.58	63	75	1243.524	ug/l	95
59) 2-Hexanone	10.87	43	386	6708.983	ug/l	75
60) Dibromochloromethane	11.05	129	67	588.522	ug/l	94
61) 1,2-Dibromoethane	11.07	107	58	660.290	ug/l	92
64) Tetrachloroethene	10.90	164	30	37.550	ug/l #	1
65) Chlorobenzene	11.68	112	77	31.966	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	11.74	131	99	114.873	ug/l #	1
67) Ethyl Benzene	11.72	91	89	20.100	ug/l #	44
68) m/p-Xylenes	11.84	106	28	16.298	ug/l #	1
69) o-Xylene	12.19	106	110	67.389	ug/l	34
70) Styrene	12.17	104	65	24.108	ug/l #	1
71) Bromoform	12.46	173	23	47.433	ug/l #	29
73) Isopropylbenzene	12.52	105	394	69.538	ug/l #	69
74) N-amyl acetate	12.27	43	346	237.044	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.72	83	191	212.925	ug/l #	54
76) 1,2,3-Trichloropropane	12.74	75	141	213.388	ug/l	62
77) Bromobenzene	12.71	156	39	31.518	ug/l #	1
78) n-propylbenzene	12.84	91	254	37.325	ug/l	77
79) 2-Chlorotoluene	12.94	91	203	52.863	ug/l	82
80) 1,3,5-Trimethylbenzene	12.96	105	204	43.076	ug/l	79
81) trans-1,4-Dichloro-2-buten	12.52	75	253	756.235	ug/l #	90
82) 4-Chlorotoluene	12.94	91	204	49.896	ug/l	82
83) tert-Butylbenzene	13.30	119	129	30.610	ug/l	72
84) 1,2,4-Trimethylbenzene	13.26	105	105	21.813	ug/l	89
85) sec-Butylbenzene	13.32	105	233	38.713	ug/l	81
86) p-Isopropyltoluene	13.41	119	593	112.482	ug/l	84
87) 1,3-Dichlorobenzene	13.55	146	54	21.609	ug/l #	1
88) 1,4-Dichlorobenzene	13.57	146	62	24.964	ug/l #	1
89) n-Butylbenzene	13.82	91	104	20.091	ug/l #	52
90) Hexachloroethane	14.08	117	121	117.363	ug/l #	10
91) 1,2-Dichlorobenzene	13.79	146	70	31.657	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	14.48	75	112	658.040	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.09	180	94	59.572	ug/l #	12
95) Naphthalene	15.37	128	22	7.940	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.31	180	26	19.425	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 972

Delta R.T. -0.12 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

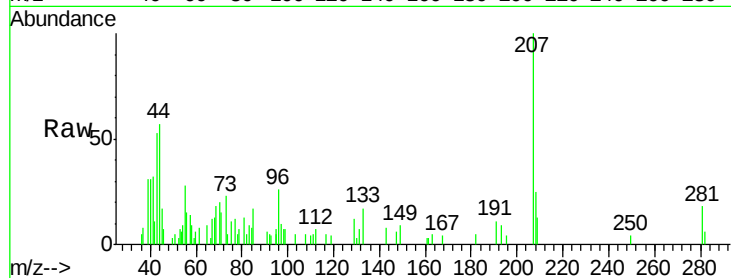
S4

Tot Ion:168 Resp: 27

Ion Ratio Lower Upper

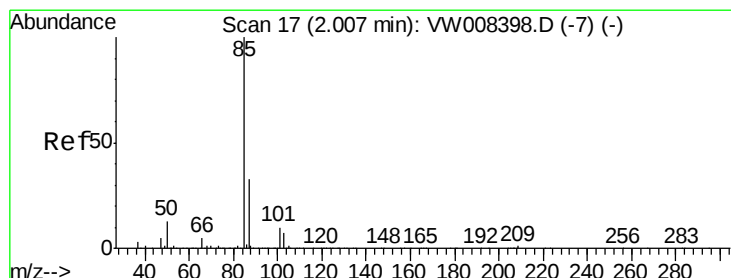
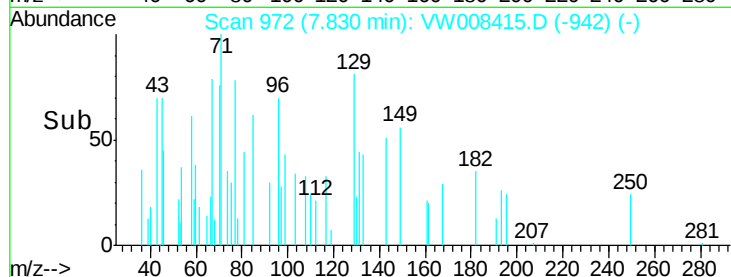
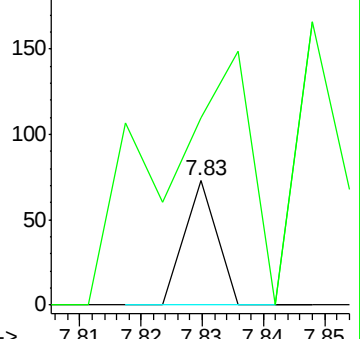
168 100

99 150.7 45.5 68.3#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 1009.934 ug/l

RT: 1.98 min Scan# 12

Delta R.T. -0.03 min

Lab File: VW008415.D

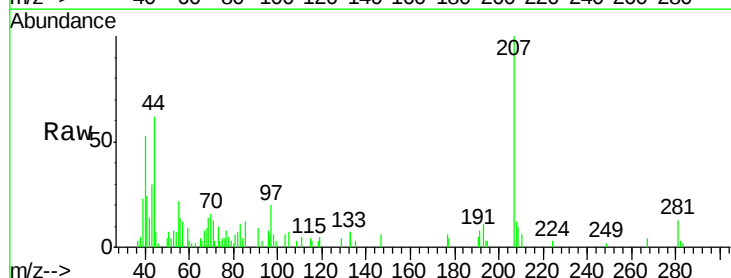
Acq: 25 Jan 2019 17:00

Tgt Ion: 85 Resp: 168

Ion Ratio Lower Upper

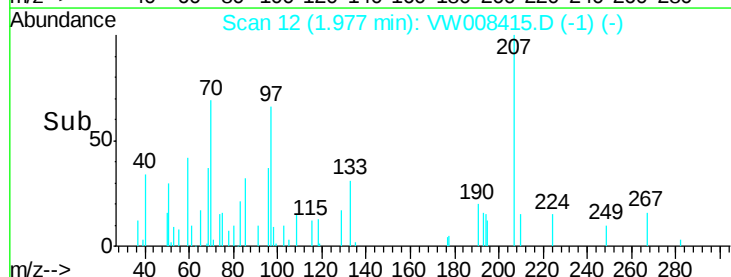
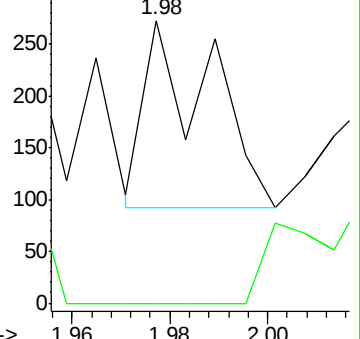
85 100

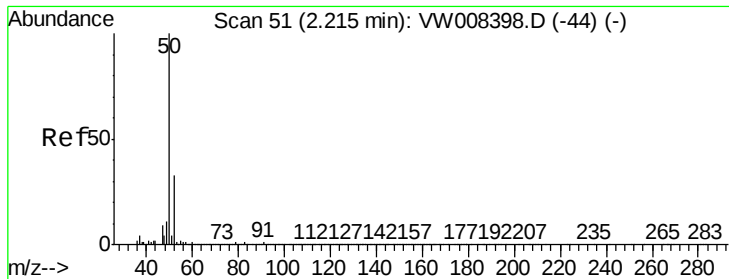
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 666.988 ug/l

RT: 2.17 min Scan# 44

Delta R.T. -0.04 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

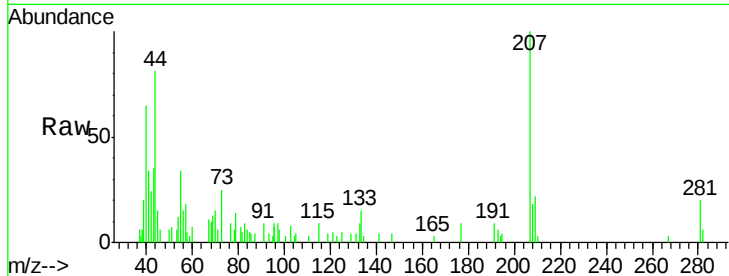
Instrument :
MSVOA_W
ClientSampled :
S4

Tot Ion: 50 Resp: 147

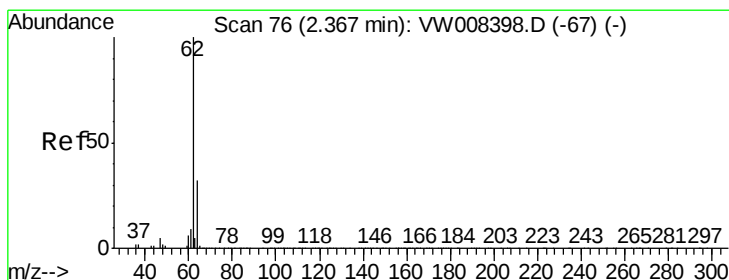
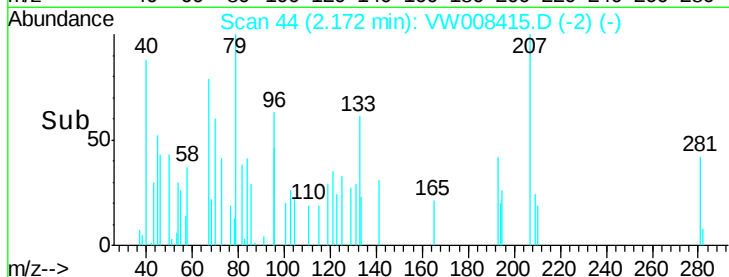
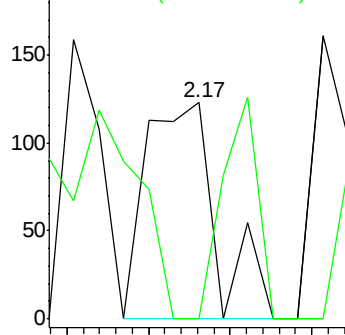
Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VW
Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 267.326 ug/l

RT: 2.30 min Scan# 65

Delta R.T. -0.07 min

Lab File: VW008415.D

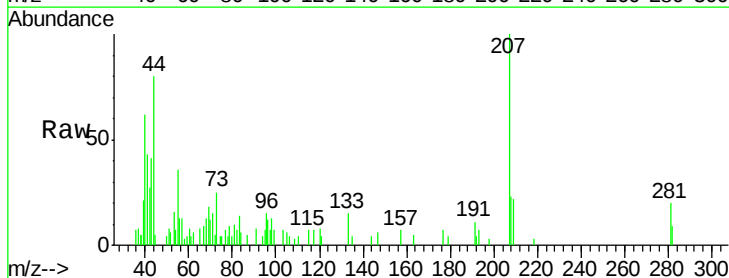
Acq: 25 Jan 2019 17:00

Tgt Ion: 62 Resp: 75

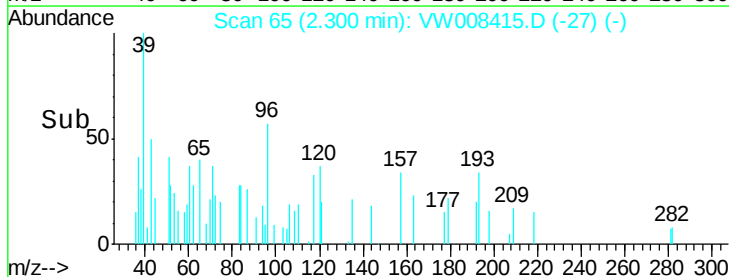
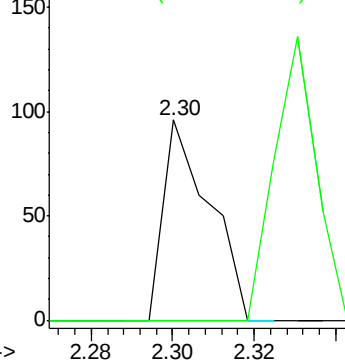
Ion Ratio Lower Upper

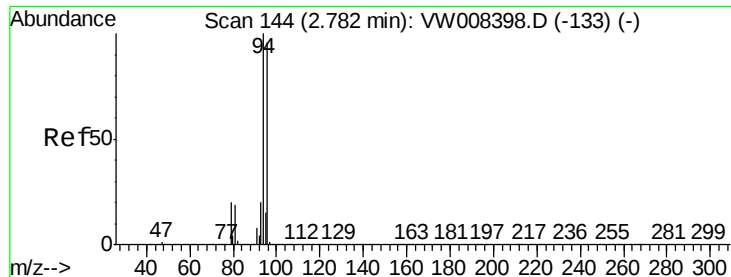
62 100

64 0.0 25.5 38.3#



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 397.878 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

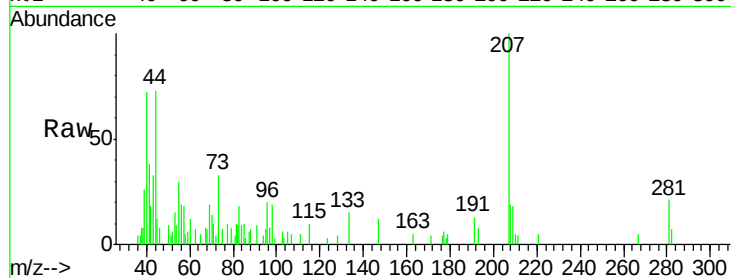
S4

Tot Ion: 94 Resp: 72

Ion Ratio Lower Upper

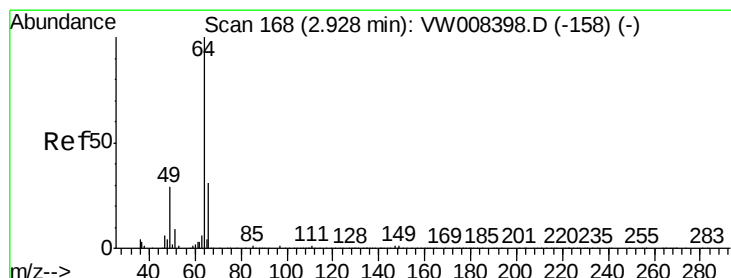
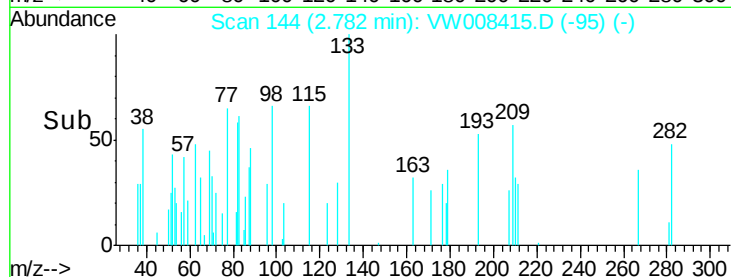
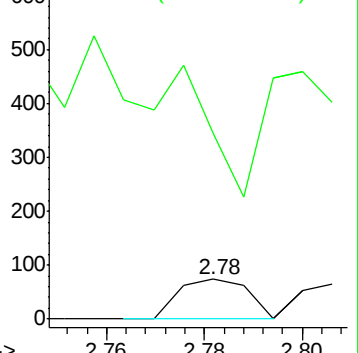
94 100

96 0.0 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 338.034 ug/l

RT: 2.87 min Scan# 159

Delta R.T. -0.05 min

Lab File: VW008415.D

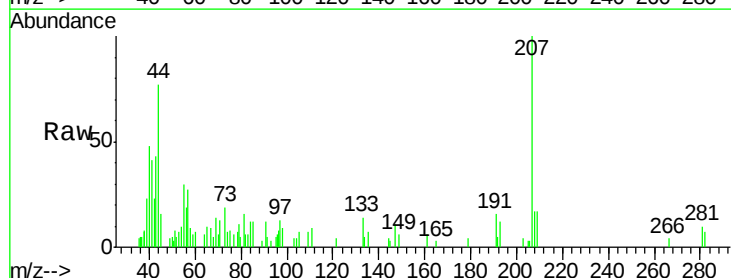
Acq: 25 Jan 2019 17:00

Tgt Ion: 64 Resp: 58

Ion Ratio Lower Upper

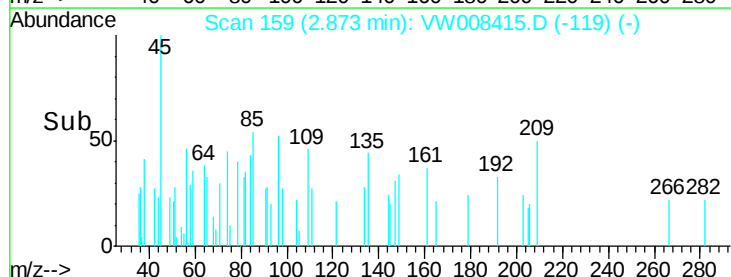
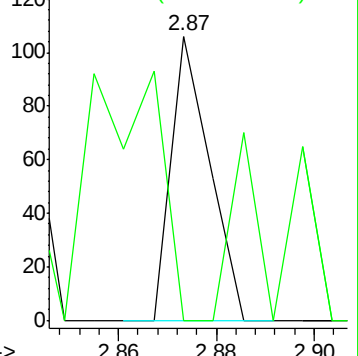
64 100

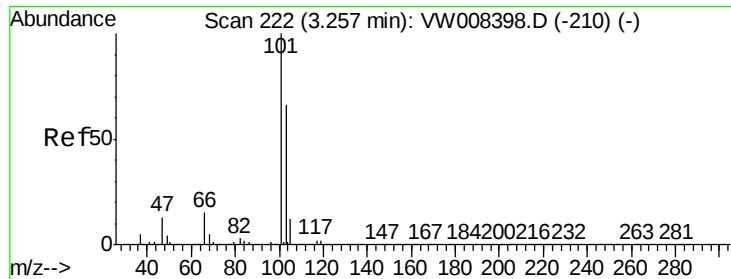
66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



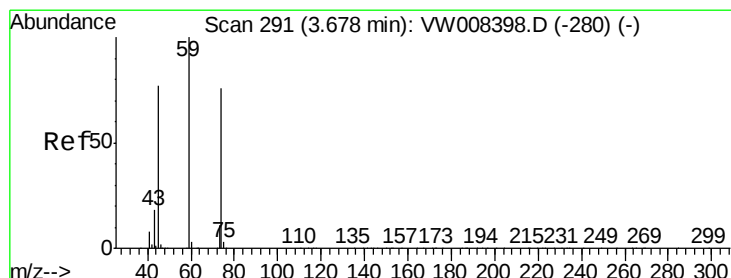
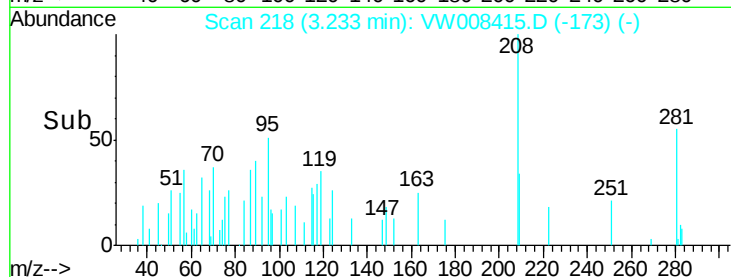
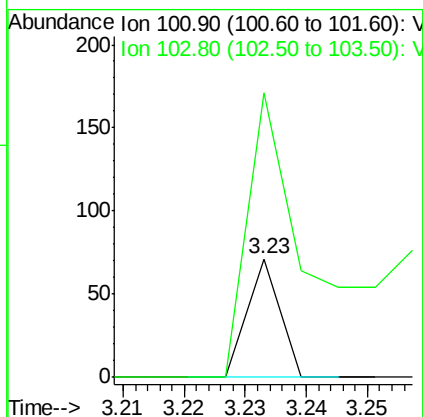
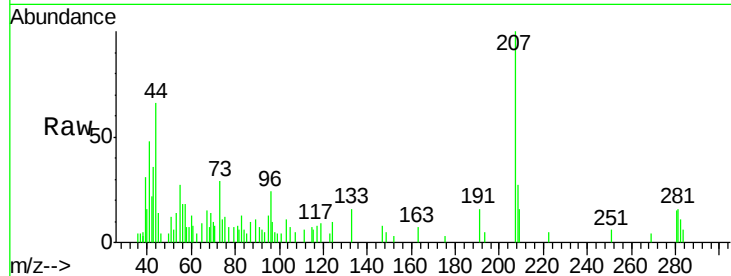


#7

Trichlorofluoromethane
 Concen: 101.204 ug/l
 RT: 3.23 min Scan# 218
 Delta R.T. -0.02 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

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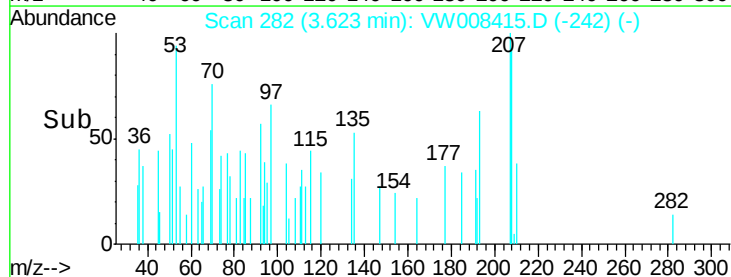
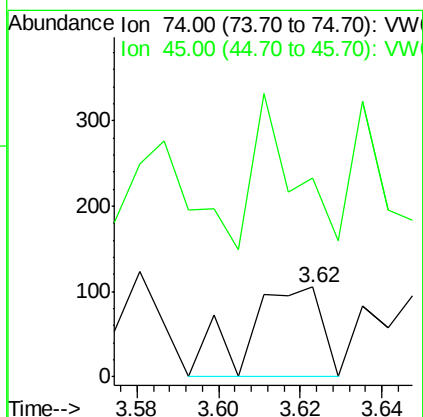
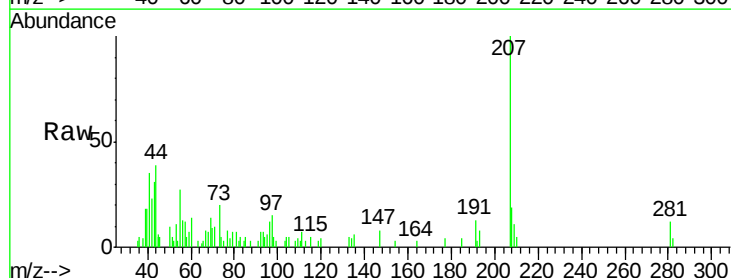
Tot Ion:101 Resp: 26
 Ion Ratio Lower Upper
 101 100
 103 240.8 52.5 78.7#



#8

Diethyl Ether
 Concen: 1002.609 ug/l
 RT: 3.62 min Scan# 282
 Delta R.T. -0.05 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

Tgt Ion: 74 Resp: 135
 Ion Ratio Lower Upper
 74 100
 45 113.3 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.279 ug/l

RT: 4.08 min Scan# 357

Delta R.T. 0.02 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

S4

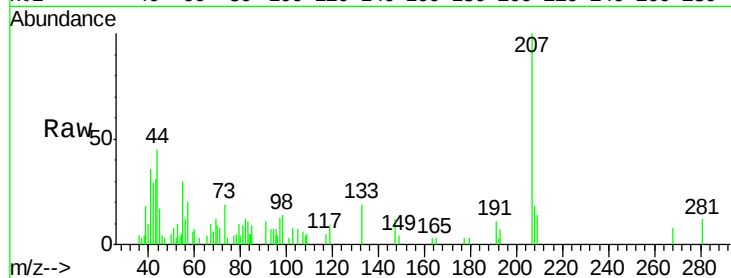
Tot Ion:101 Resp: 24

Ion Ratio Lower Upper

101 100

85 1004.2 35.0 52.4#

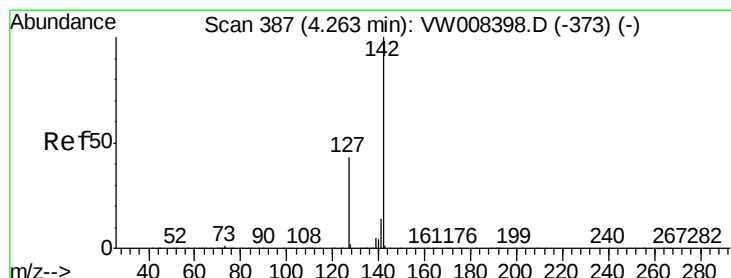
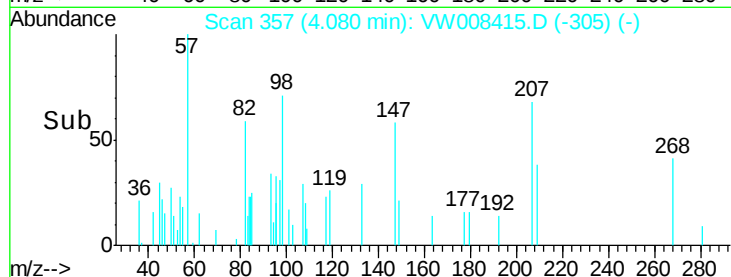
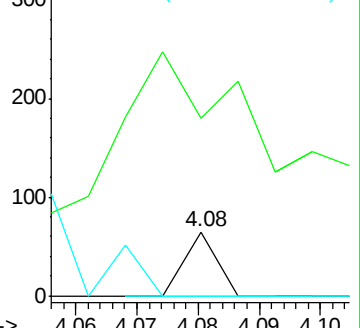
151 0.0 62.6 94.0#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 124.442 ug/l

RT: 3.95 min Scan# 336

Delta R.T. -0.31 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

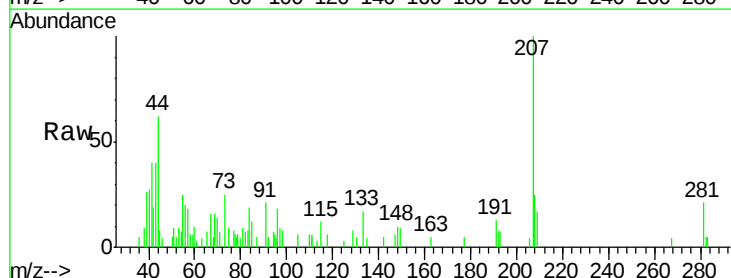
Tgt Ion:142 Resp: 48

Ion Ratio Lower Upper

142 100

127 0.0 34.6 52.0#

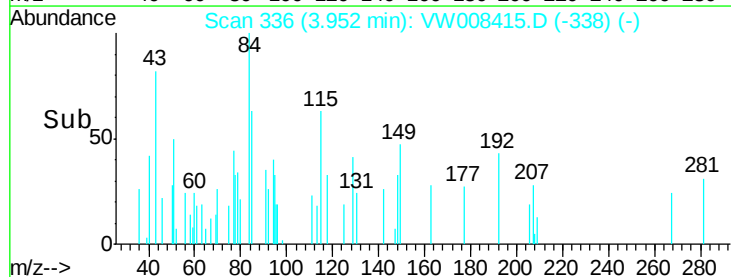
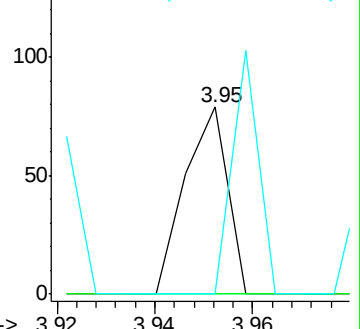
141 79.2 11.4 17.2#

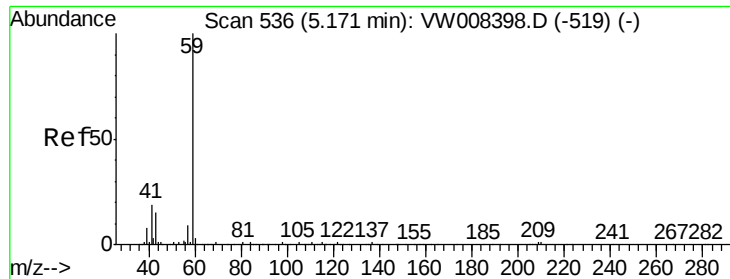


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



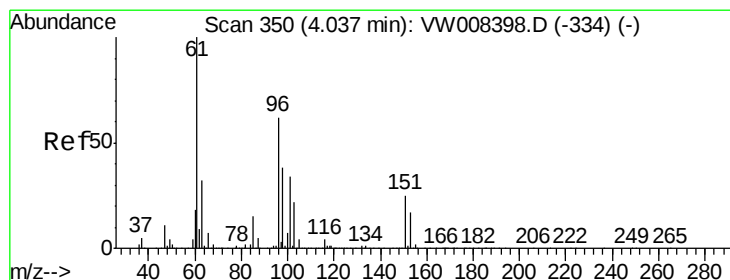
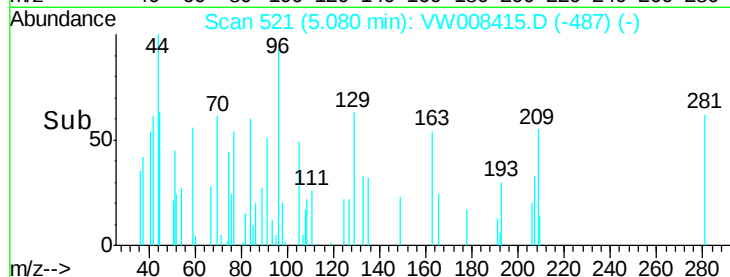
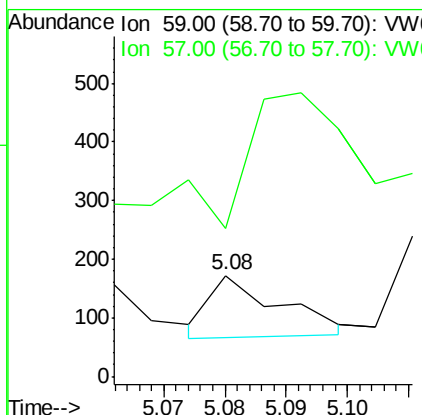
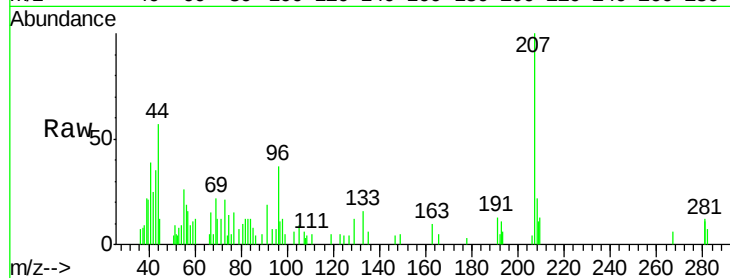


#11

Tert butyl alcohol
 Concen: 3933.387 ug/l
 RT: 5.08 min Scan# 521
 Delta R.T. -0.09 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

Instrument :
 MSVOA_W
 ClientSampled :
 S4

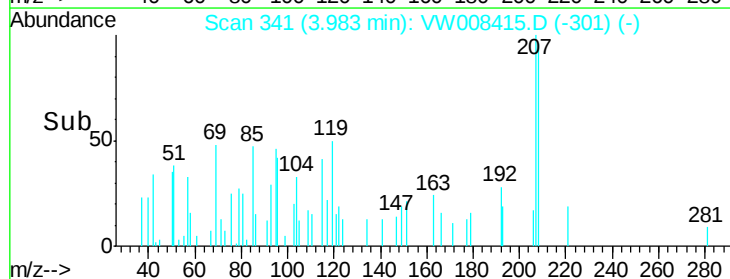
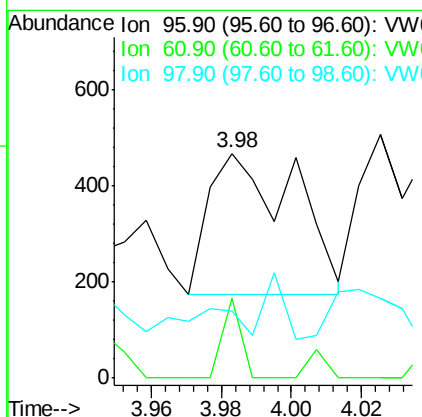
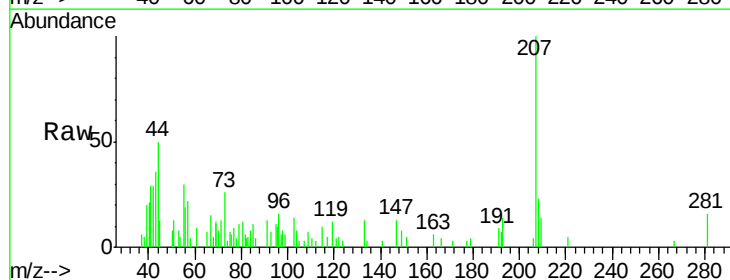
Tot Ion: 59 Resp: 84
 Ion Ratio Lower Upper
 59 100
 57 238.1 9.3 13.9#

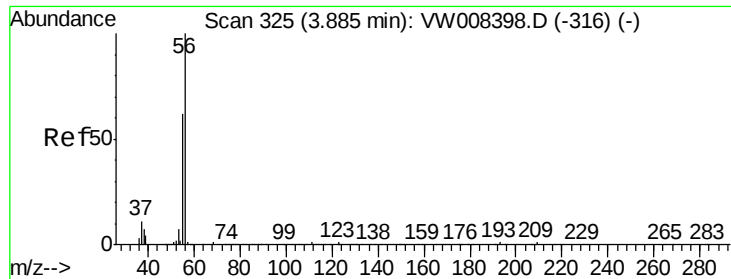


#12

1,1-Dichloroethene
 Concen: 2023.160 ug/l
 RT: 3.98 min Scan# 341
 Delta R.T. -0.05 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

Tgt Ion: 96 Resp: 500
 Ion Ratio Lower Upper
 96 100
 61 56.5 129.5 194.3#
 98 7.8 48.6 73.0#

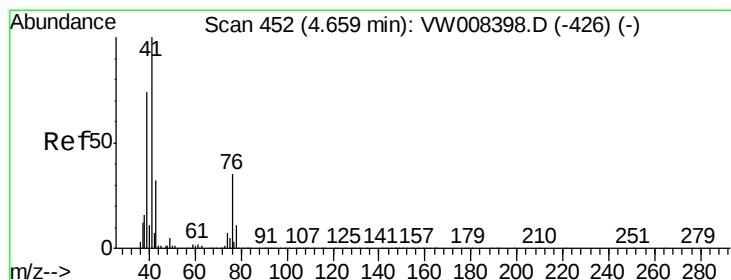
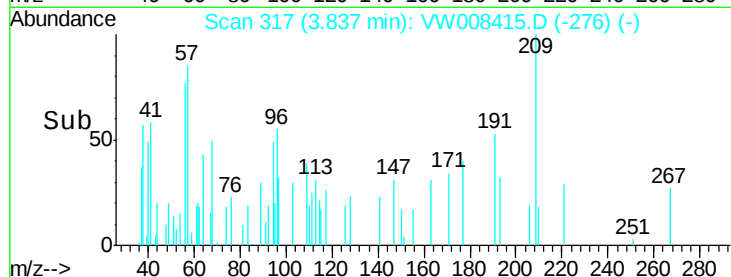
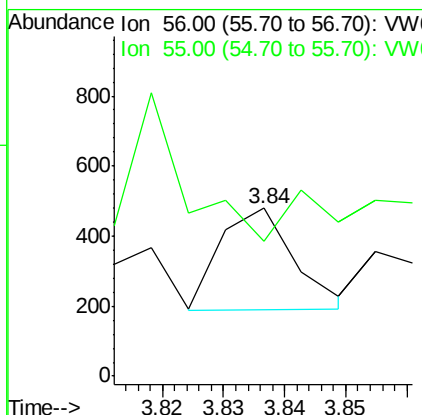
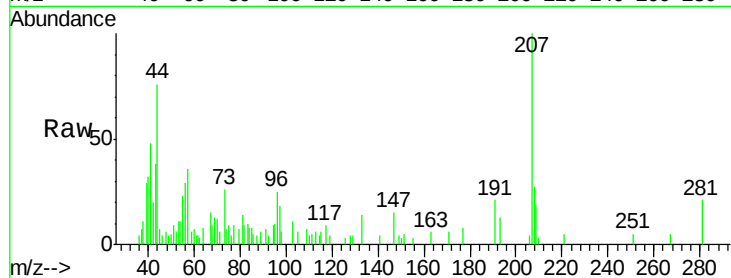




#13
Acrolein
Concen: 12841.702 ug/l
RT: 3.84 min Scan# 317
Delta R.T. -0.05 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

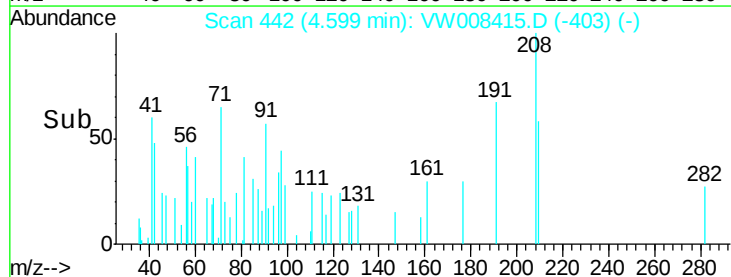
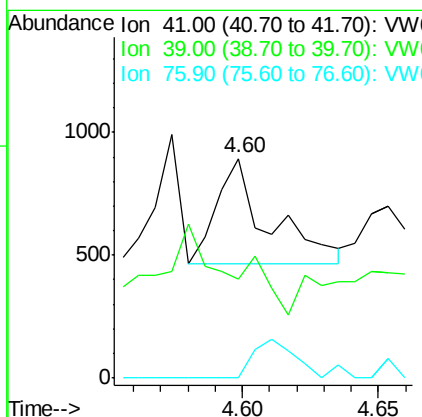
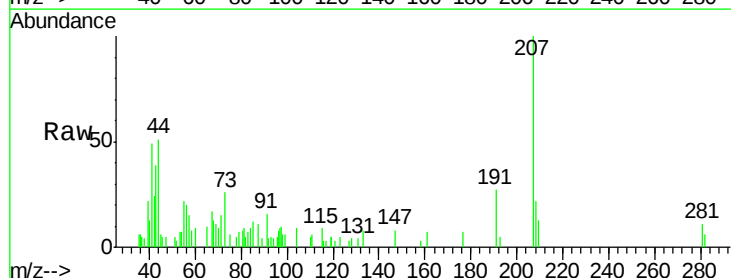
Instrument :
MSVOA_W
ClientSampled :
S4

Tot Ion: 56 Resp: 246
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#



#14
Allyl chloride
Concen: 1206.080 ug/l
RT: 4.60 min Scan# 442
Delta R.T. -0.06 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion: 41 Resp: 566
Ion Ratio Lower Upper
41 100
39 0.0 57.7 86.5#
76 32.0 26.9 40.3





#15

Acrylonitrile

Concen: 6294.891 ug/l

RT: 5.30 min Scan# 557

Delta R.T. -0.06 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

S4

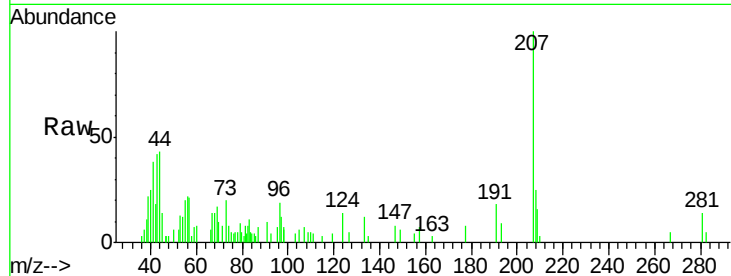
Tot Ion: 53 Resp: 366

Ion Ratio Lower Upper

53 100

52 22.7 67.0 100.4#

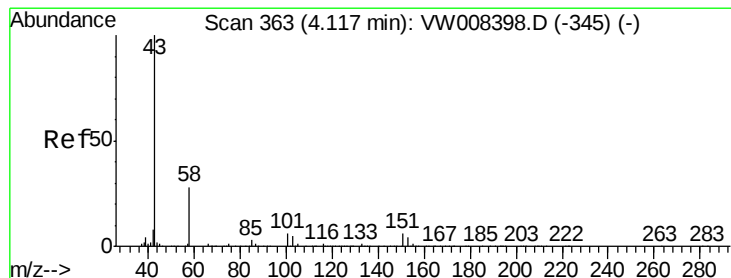
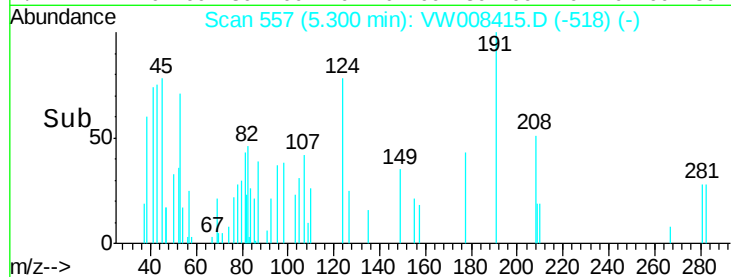
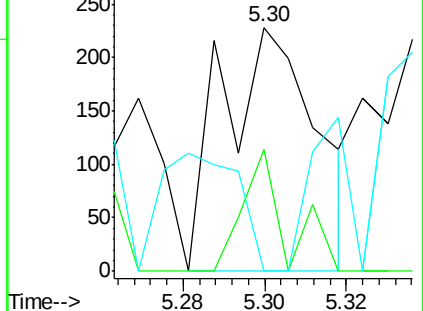
51 25.7 29.8 44.8#



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: 7000.668 ug/l

RT: 4.07 min Scan# 356

Delta R.T. -0.04 min

Lab File: VW008415.D

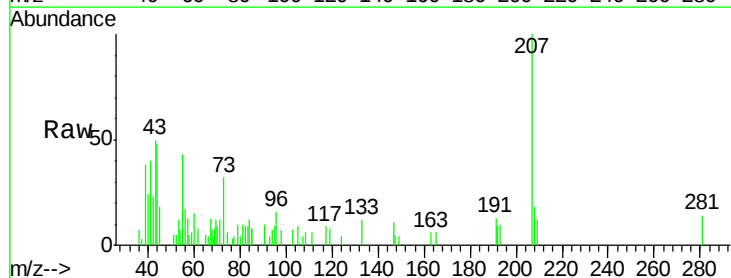
Acq: 25 Jan 2019 17:00

Tgt Ion: 43 Resp: 417

Ion Ratio Lower Upper

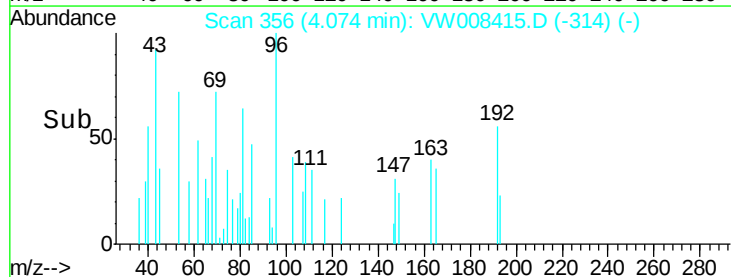
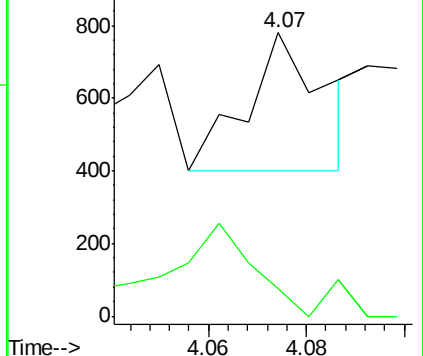
43 100

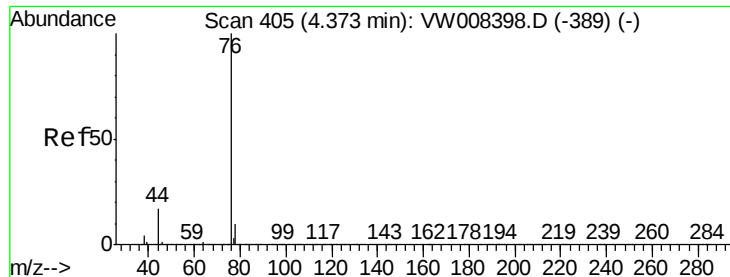
58 0.0 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

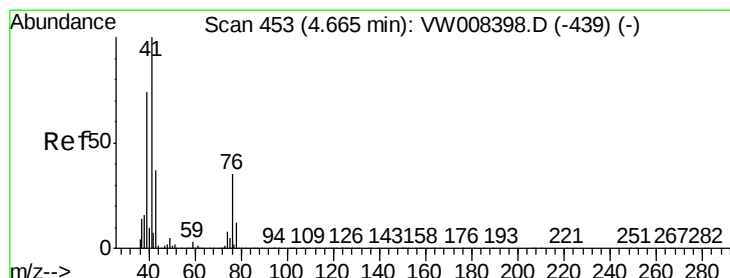
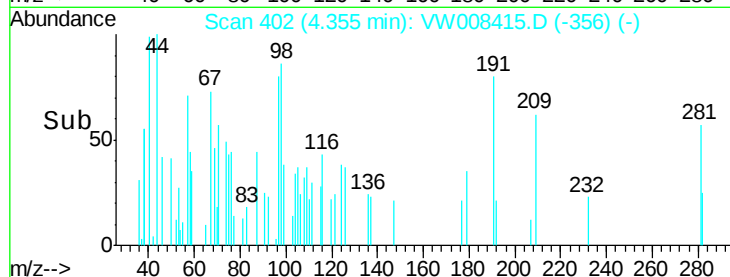
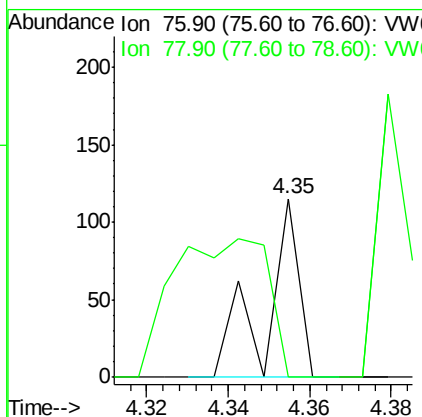
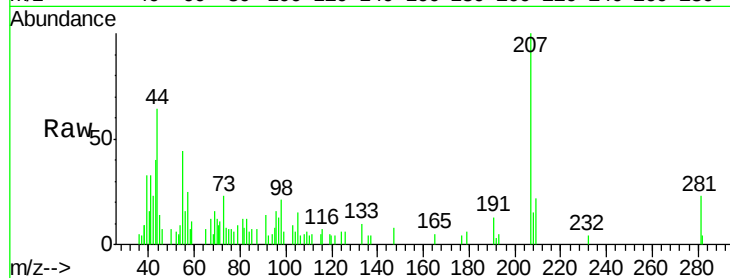




#17
Carbon Disulfide
Concen: 82.350 ug/l
RT: 4.35 min Scan# 402
Delta R.T. -0.02 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

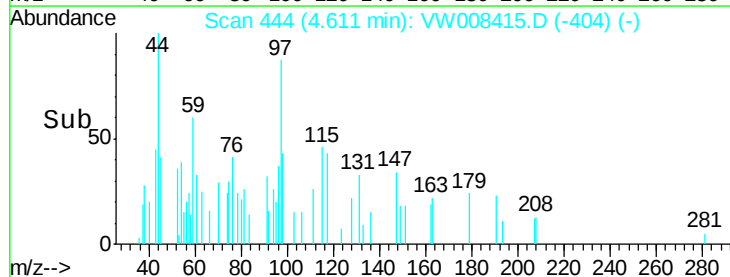
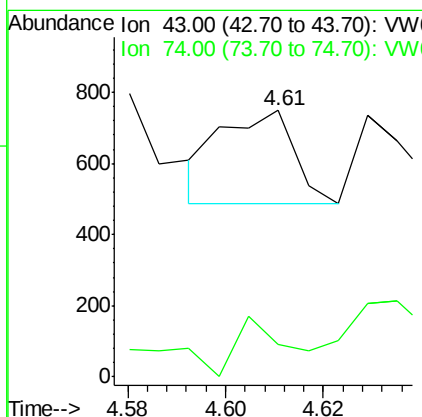
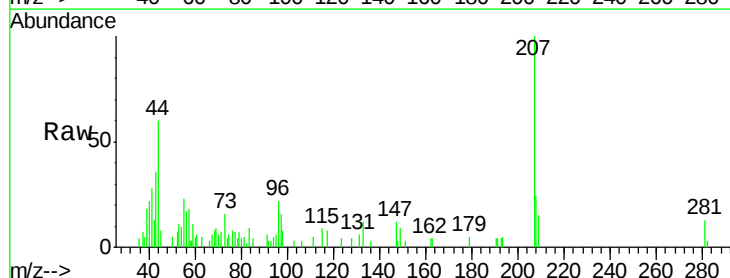
Instrument :
MSVOA_W
ClientSampled :
S4

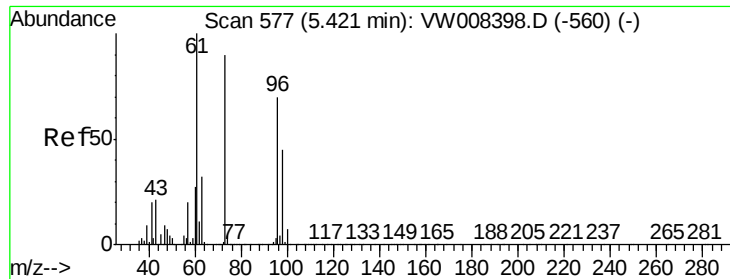
Tot Ion: 76 Resp: 65
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 1693.164 ug/l
RT: 4.61 min Scan# 444
Delta R.T. -0.05 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
74 45.7 17.5 26.3#

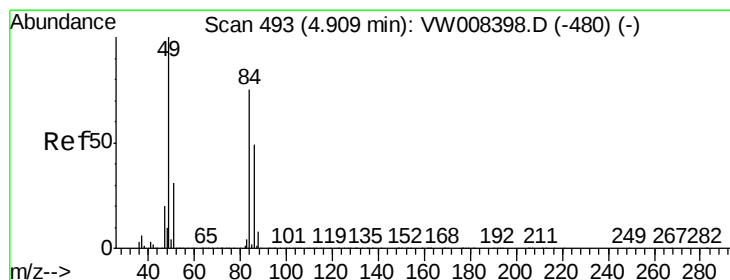
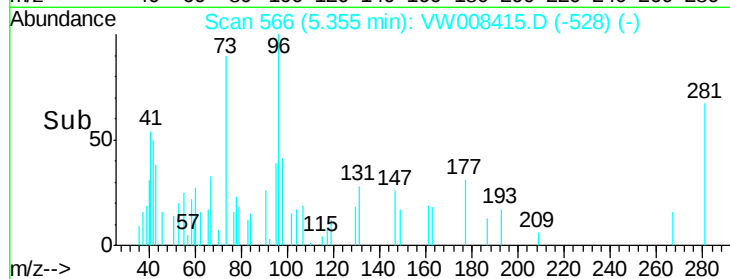
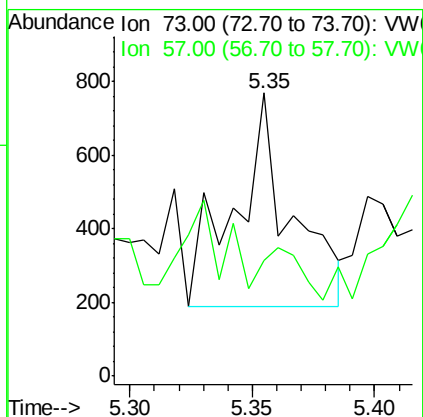
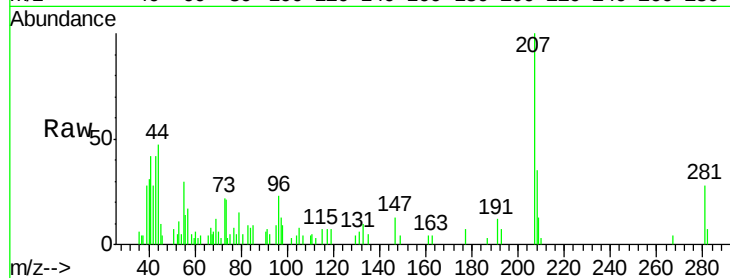




#19
Methyl tert-butyl Ether
Concen: 2235.278 ug/l
RT: 5.35 min Scan# 566
Delta R.T. -0.07 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

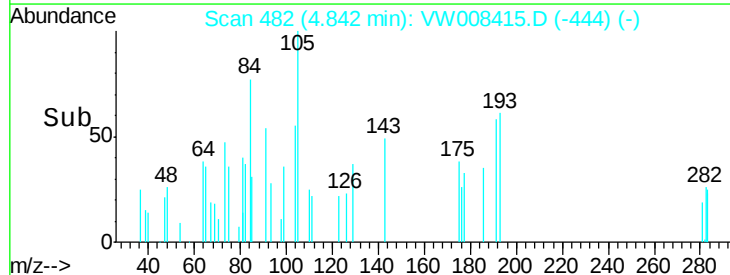
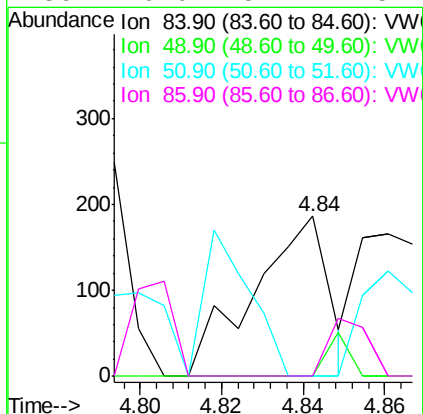
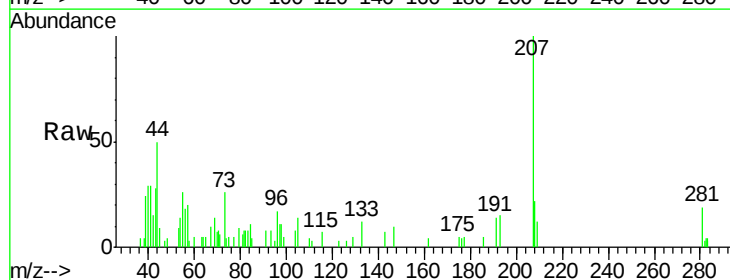
Instrument :
MSVOA_W
ClientSampled :
S4

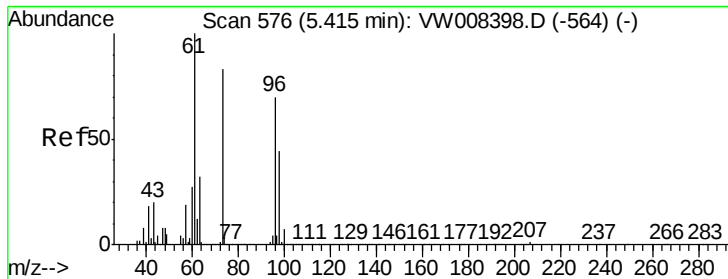
Tot Ion: 73 Resp: 914
Ion Ratio Lower Upper
73 100
57 2.8 18.0 27.0#



#20
Methylene Chloride
Concen: 863.255 ug/l
RT: 4.84 min Scan# 482
Delta R.T. -0.07 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion: 84 Resp: 237
Ion Ratio Lower Upper
84 100
49 0.0 106.8 160.2#
51 0.0 32.9 49.3#
86 0.0 52.2 78.2#





#21

trans-1,2-Dichloroethene

Concen: 403.105 ug/l

RT: 5.34 min Scan# 563

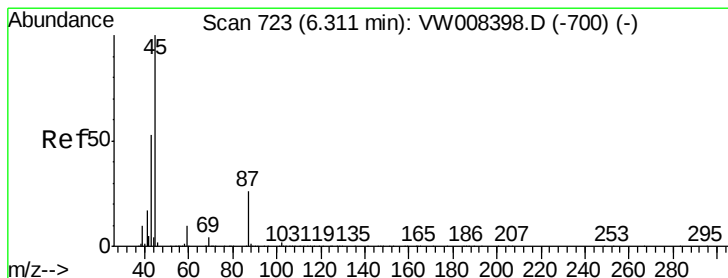
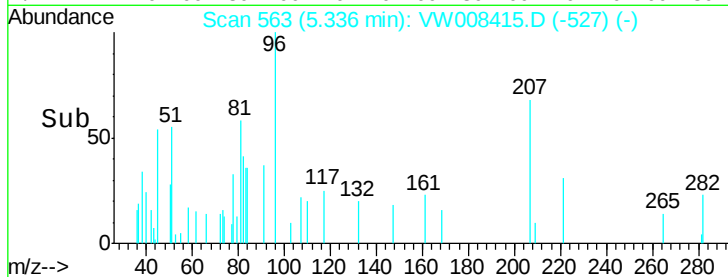
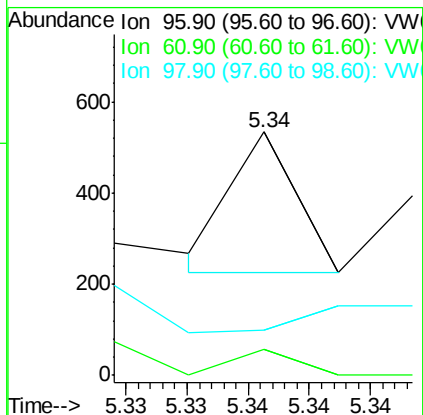
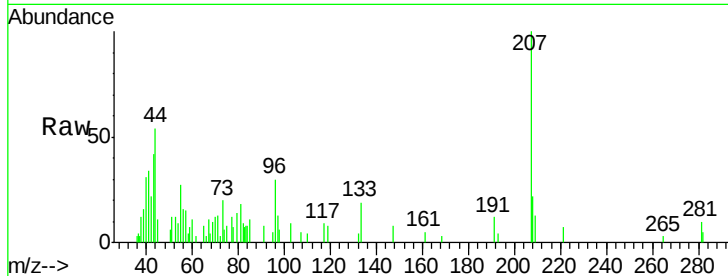
Delta R.T. -0.08 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :
MSVOA_W
ClientSampled :
S4

Tot Ion:	96	Resp:	112
Ion	Ratio	Lower	Upper
96	100		
61	18.6	114.4	171.6#
98	1.0	50.6	75.8#



#22

Diisopropyl ether

Concen: 216.997 ug/l

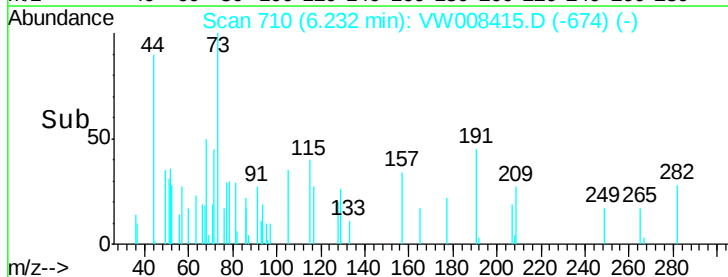
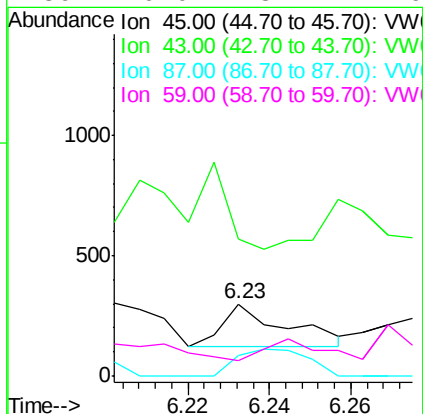
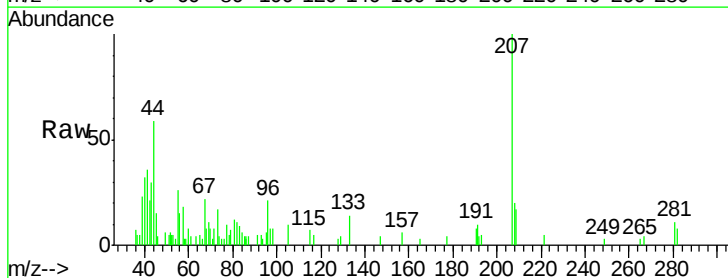
RT: 6.23 min Scan# 710

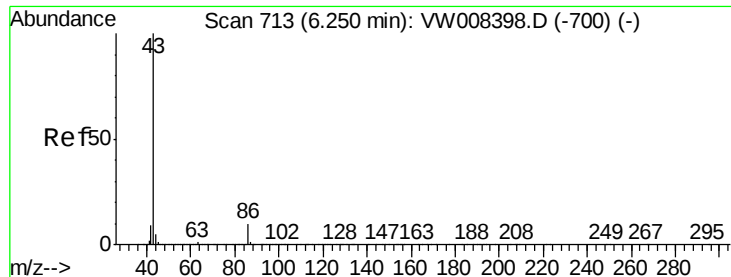
Delta R.T. -0.08 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Tgt Ion:	45	Resp:	193
Ion	Ratio	Lower	Upper
45	100		
43	0.0	42.6	63.8#
87	48.6	20.3	30.5#
59	0.0	8.4	12.6#





#23

Vinyl Acetate

Concen: 289.426 ug/l

RT: 6.17 min Scan# 699

Delta R.T. -0.09 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

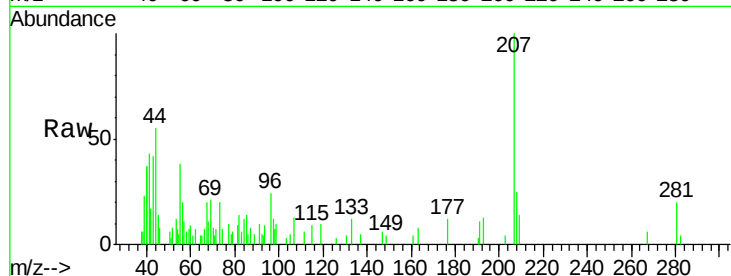
S4

Tot Ion: 43 Resp: 152

Ion Ratio Lower Upper

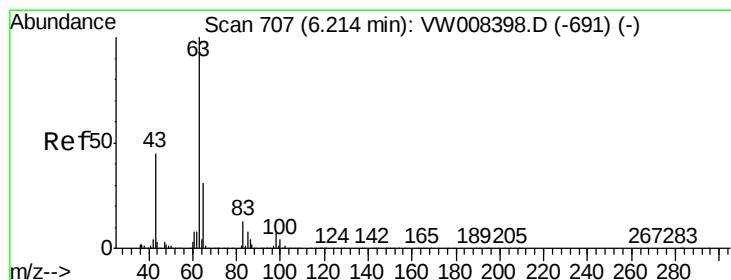
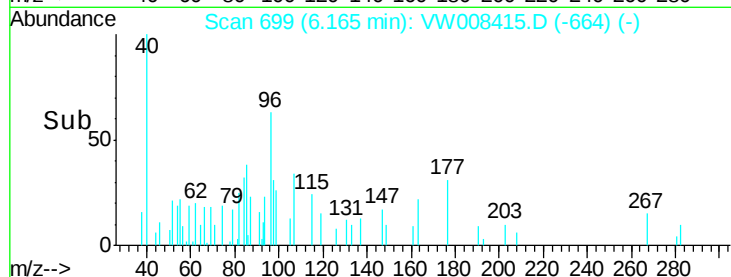
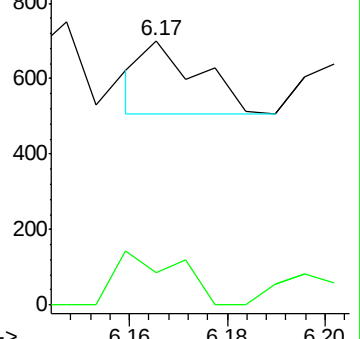
43 100

86 14.4 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: 101.302 ug/l

RT: 6.13 min Scan# 694

Delta R.T. -0.08 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

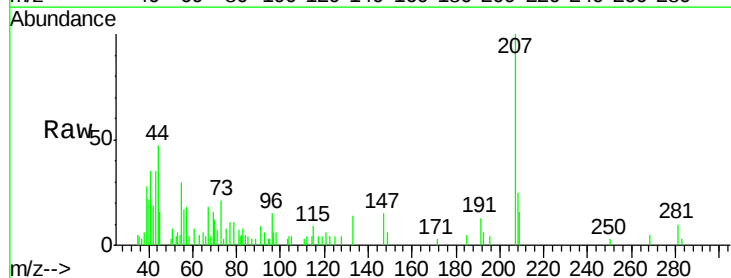
Tgt Ion: 63 Resp: 51

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

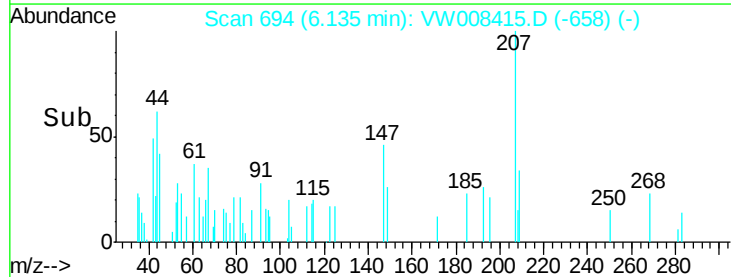
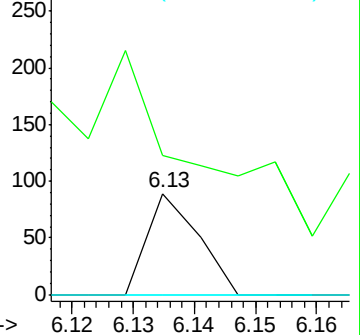
100 0.0 2.1 6.2#



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: 4580.852 ug/l

RT: 7.04 min Scan# 842

Delta R.T. -0.13 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

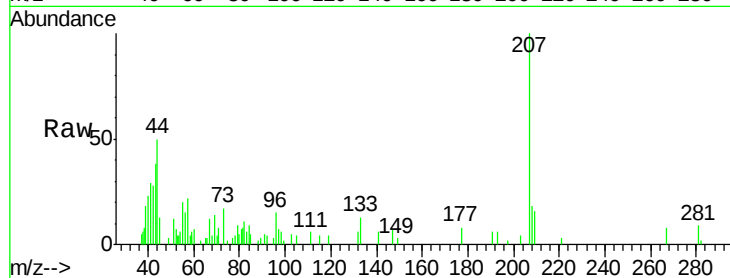
S4

Tot Ion: 43 Resp: 379

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.04

800

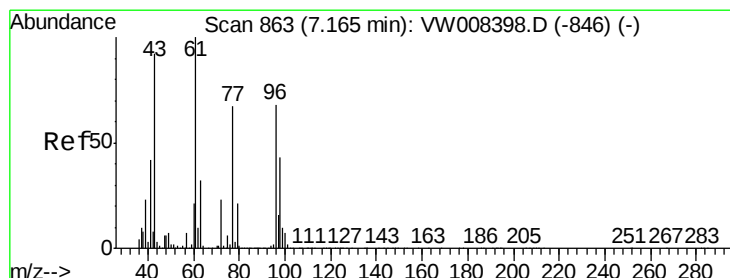
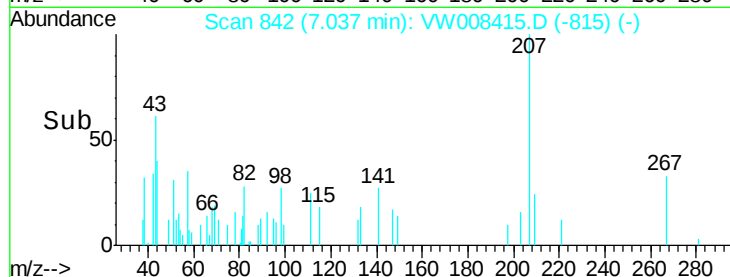
600

400

200

0

Time-->



#26

2,2-Dichloropropane

Concen: 725.834 ug/l

RT: 7.07 min Scan# 847

Delta R.T. -0.10 min

Lab File: VW008415.D

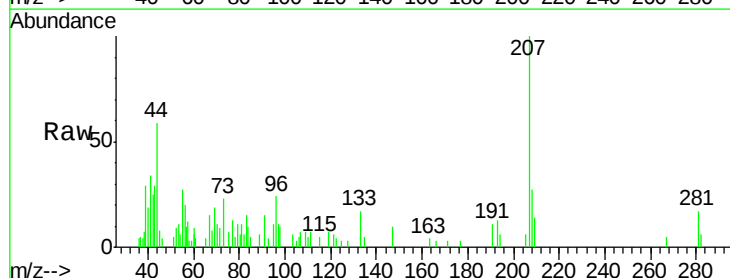
Acq: 25 Jan 2019 17:00

Tgt Ion: 77 Resp: 247

Ion Ratio Lower Upper

77 100

97 127.5 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

500

400

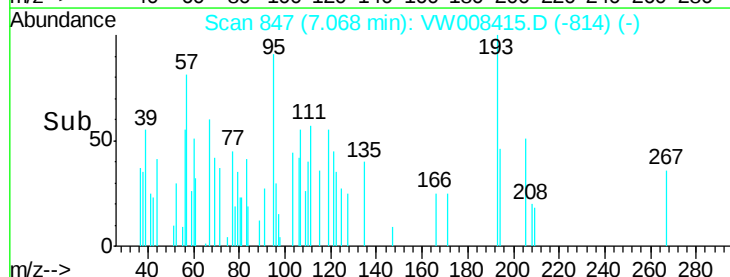
300

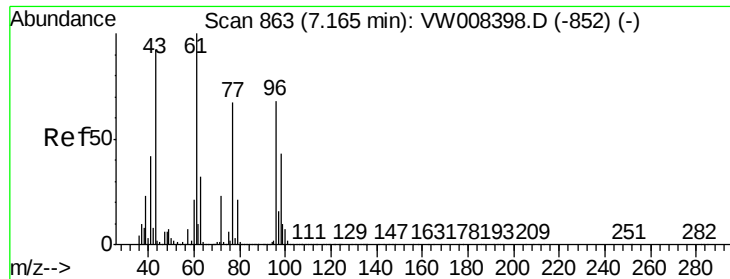
200

100

0

Time-->



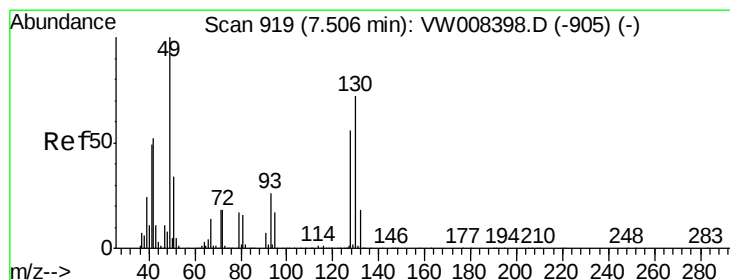
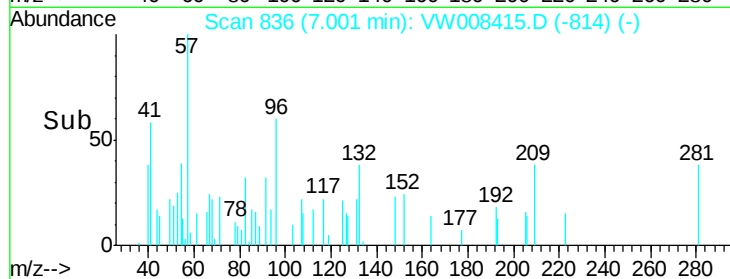
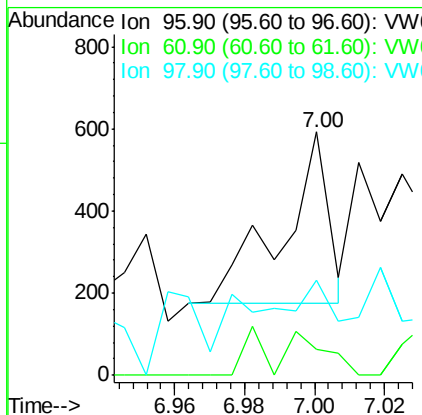
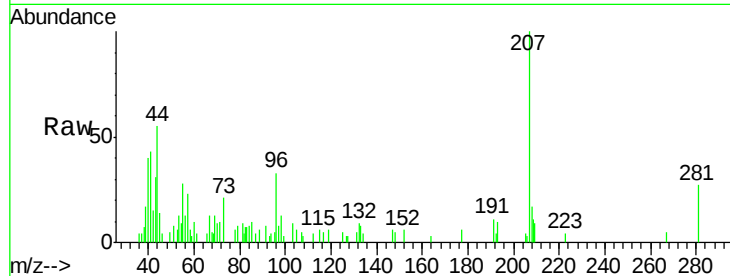


#27

cis-1,2-Dichloroethene
 Concen: 1268.151 ug/l
 RT: 7.00 min Scan# 836
 Delta R.T. -0.16 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

Instrument :
 MSVOA_W
 ClientSampled :
 S4

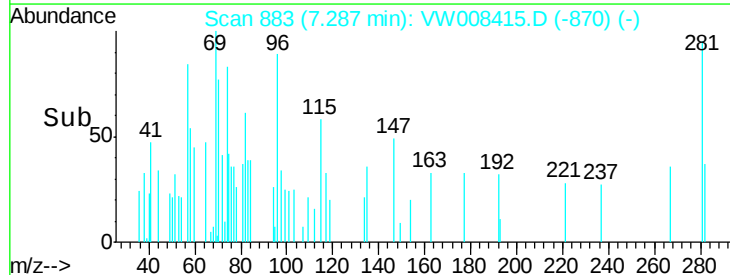
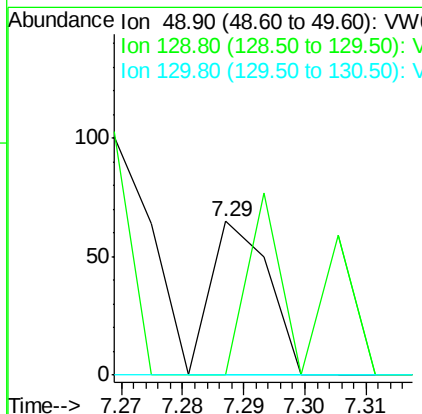
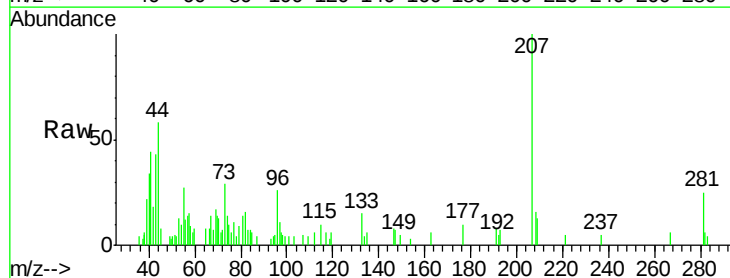
Tot Ion	96	Resp:	384
Ion	Ratio	Lower	Upper
96	100		
61	21.1	0.0	292.8
98	66.1	0.0	129.2

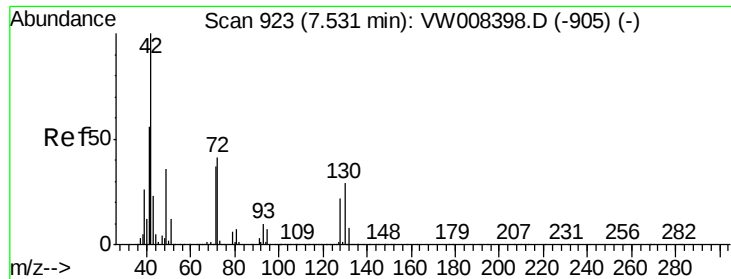


#28

Bromochloromethane
 Concen: 181.634 ug/l
 RT: 7.29 min Scan# 883
 Delta R.T. -0.22 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

Tgt Ion	49	Resp:	42
Ion	Ratio	Lower	Upper
49	100		
129	119.0	0.0	4.6#
130	0.0	58.6	87.8#

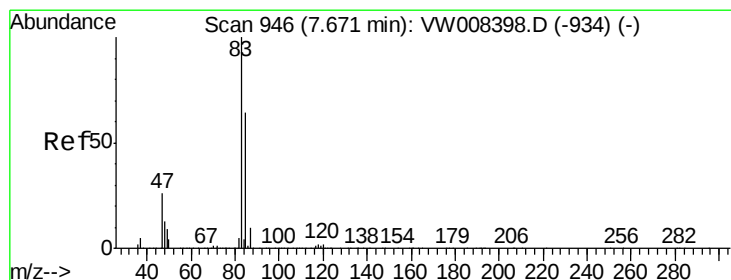
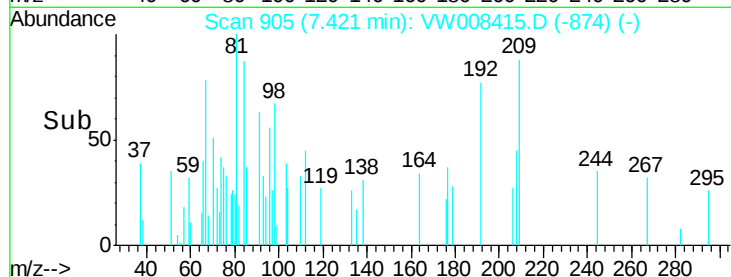
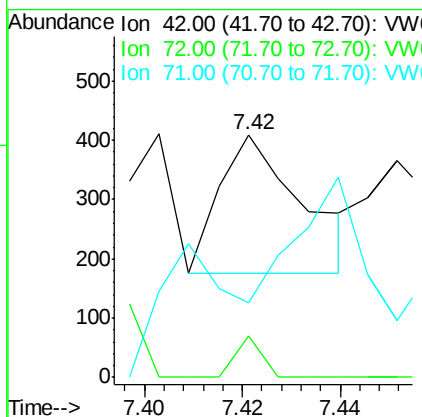
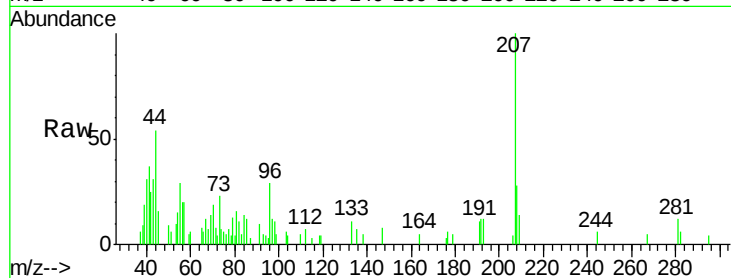




#29
Tetrahydrofuran
Concen: 5206.976 ug/l
RT: 7.42 min Scan# 905
Delta R.T. -0.11 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

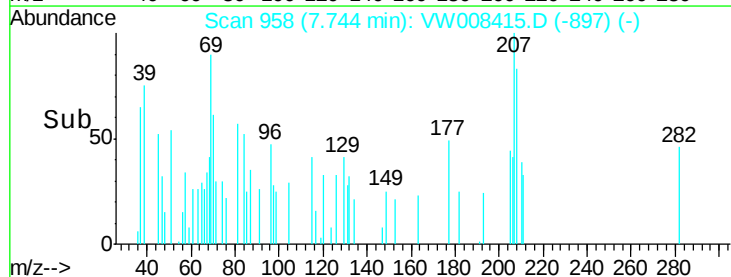
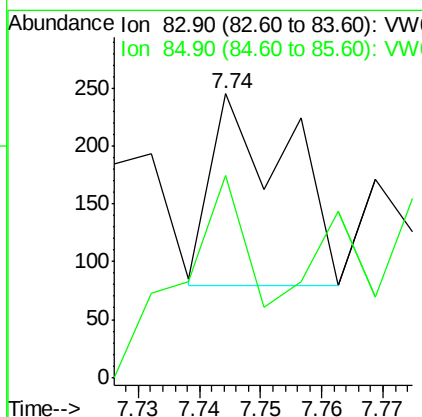
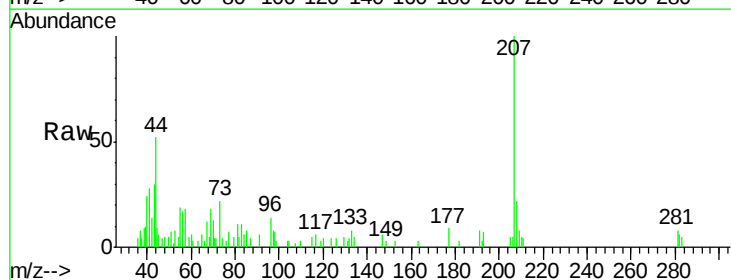
Instrument :
MSVOA_W
ClientSampled :
S4

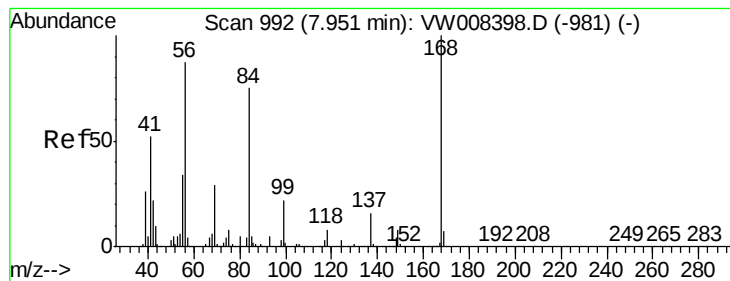
Tot Ion: 42 Resp: 273
Ion Ratio Lower Upper
42 100
72 9.2 31.9 47.9#
71 86.8 29.9 44.9#



#30
Chloroform
Concen: 290.801 ug/l
RT: 7.74 min Scan# 958
Delta R.T. 0.07 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion: 83 Resp: 144
Ion Ratio Lower Upper
83 100
85 54.8 50.9 76.3





#31

Cvclohexane

Concen: 388.037 ug/l

RT: 7.85 min Scan# 975

Delta R.T. -0.10 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

S4

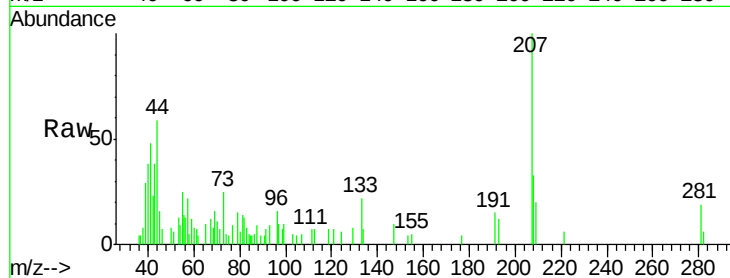
Tot Ion: 56 Resp: 202

Ion Ratio Lower Upper

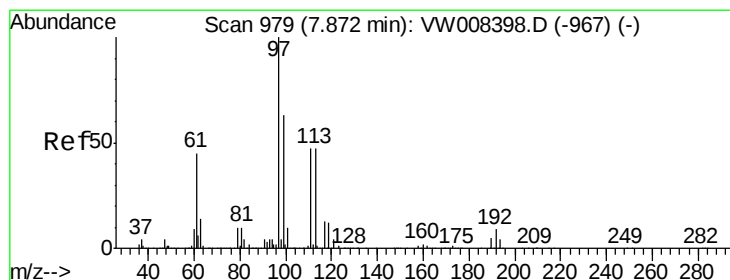
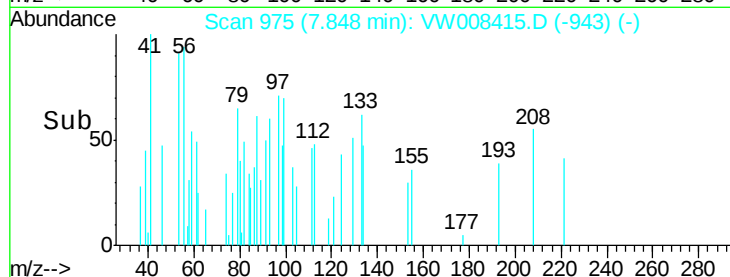
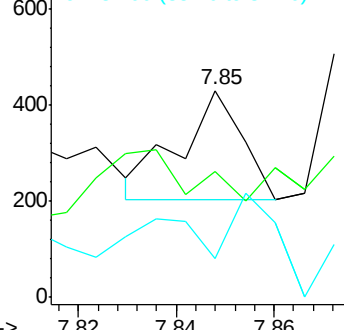
56 100

69 0.0 26.4 39.6#

84 0.0 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: 224.455 ug/l

RT: 7.74 min Scan# 957

Delta R.T. -0.13 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

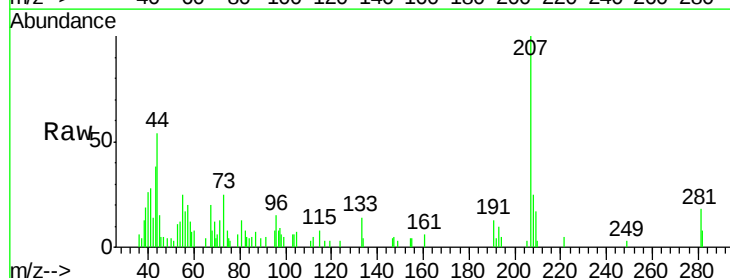
Tgt Ion: 97 Resp: 96

Ion Ratio Lower Upper

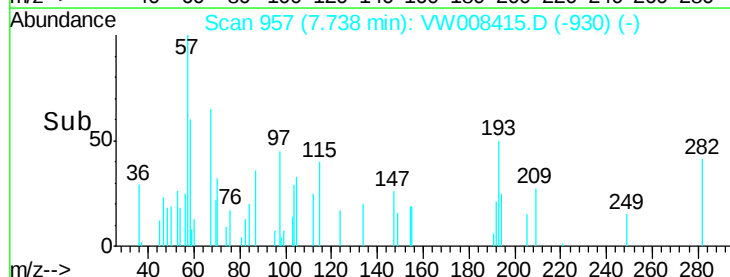
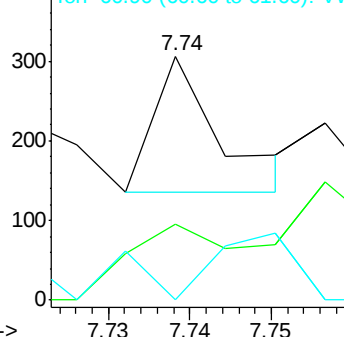
97 100

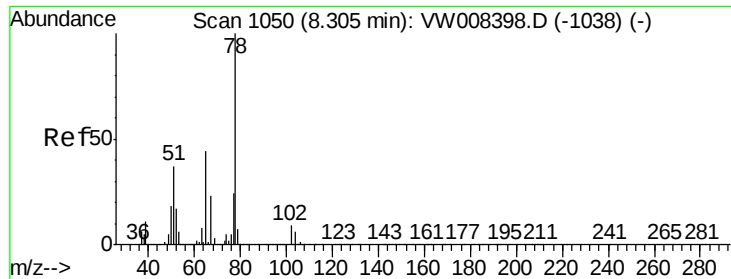
99 225.0 51.3 76.9#

61 81.3 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: 1206.409 ug/l

RT: 8.20 min Scan# 1033

Delta R.T. -0.10 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

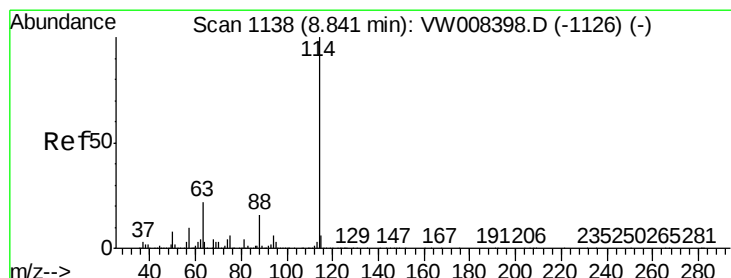
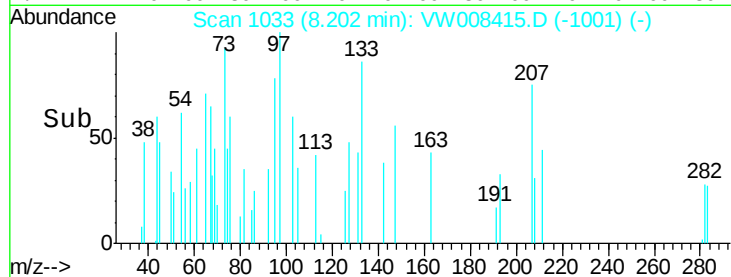
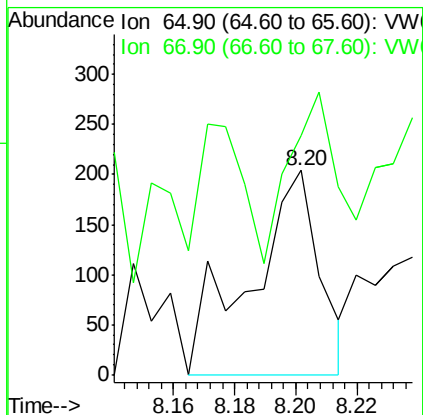
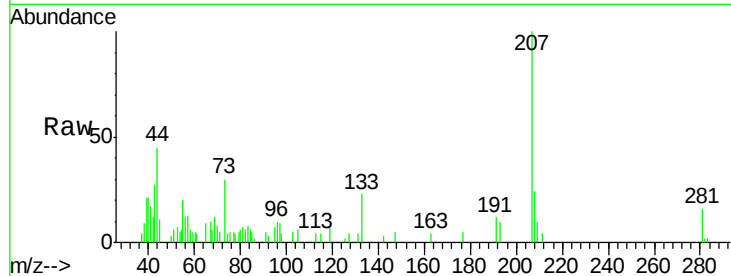
Instrument :
MSVOA_W
ClientSampled :
S4

Tot Ion: 65 Resp: 320

Ion Ratio Lower Upper

65 100

67 58.4 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.73 min Scan# 1120

Delta R.T. -0.11 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

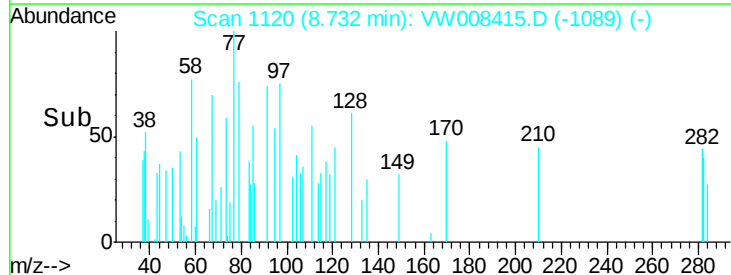
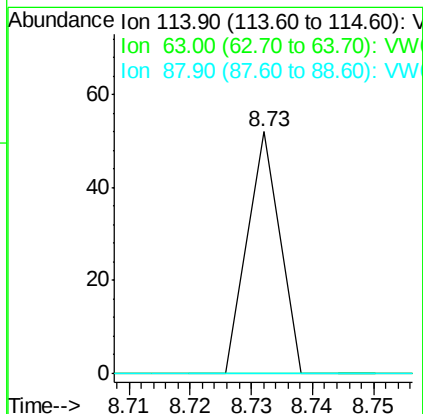
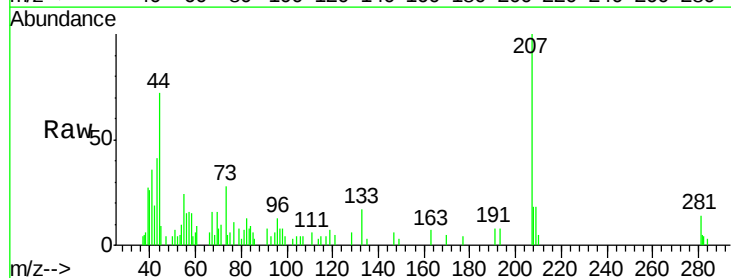
Tgt Ion: 114 Resp: 19

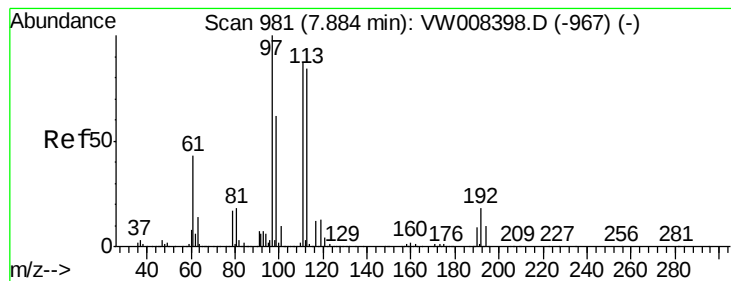
Ion Ratio Lower Upper

114 100

63 0.0 0.0 43.6

88 0.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 171.018 ug/l

RT: 7.79 min Scan# 965

Delta R.T. -0.10 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

S4

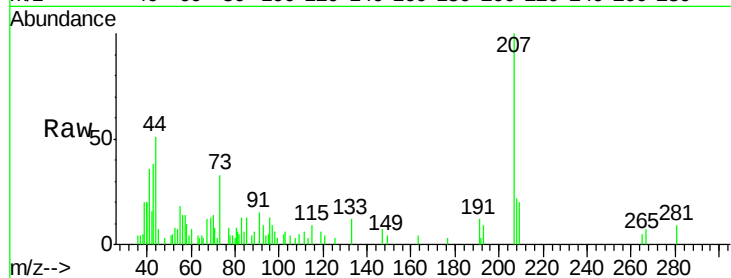
Tot Ion:113 Resp: 19

Ion Ratio Lower Upper

113 100

111 442.1 81.0 121.4#

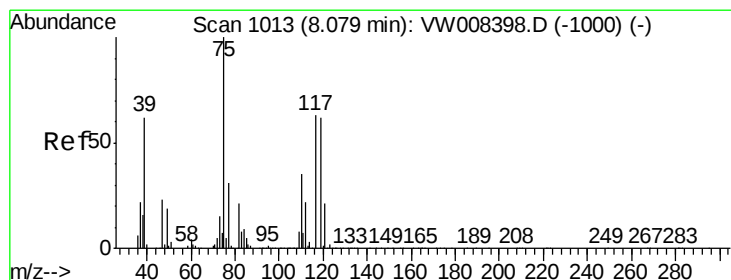
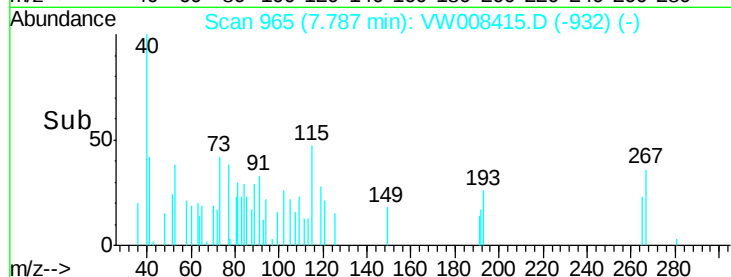
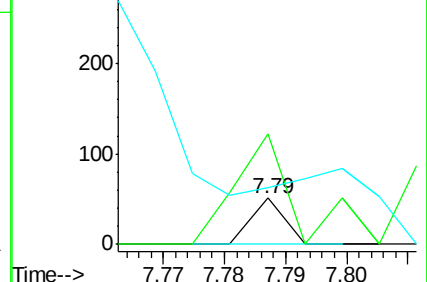
192 405.3 16.8 25.2#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1075.352 ug/l

RT: 7.98 min Scan# 997

Delta R.T. -0.10 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

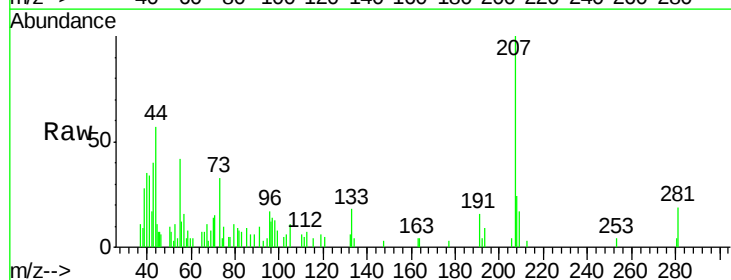
Tgt Ion: 75 Resp: 193

Ion Ratio Lower Upper

75 100

110 49.2 17.3 52.0

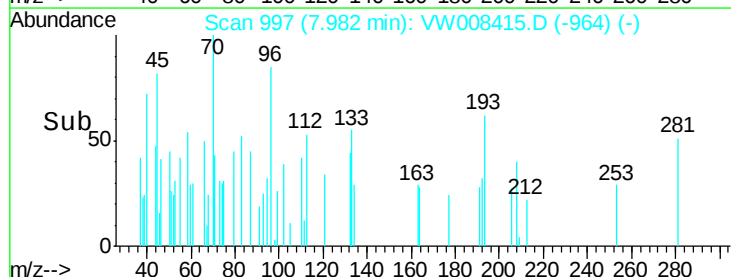
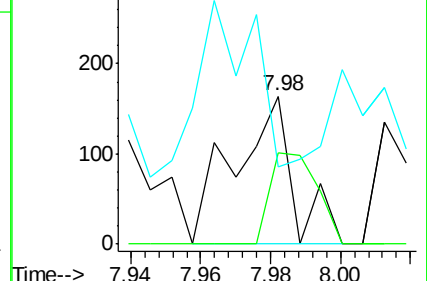
77 157.5 24.7 37.1#

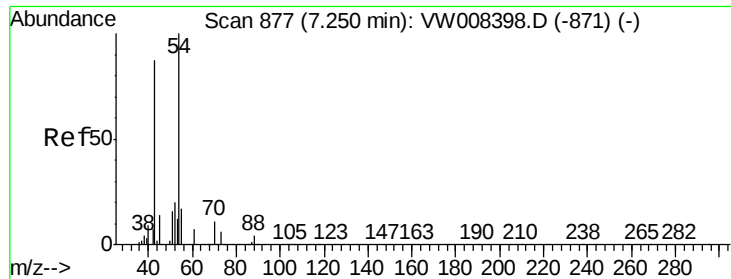


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

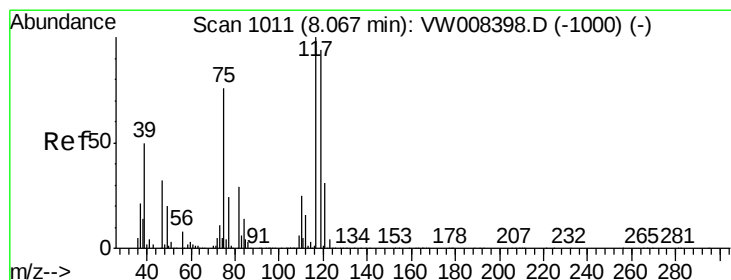
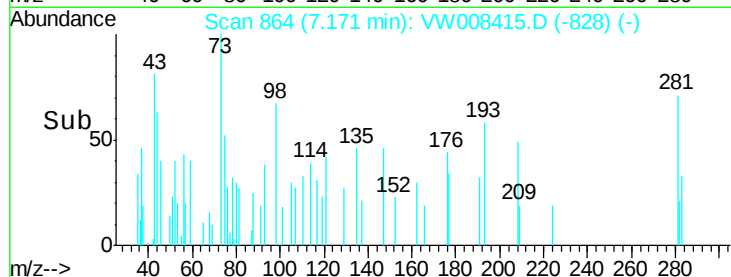
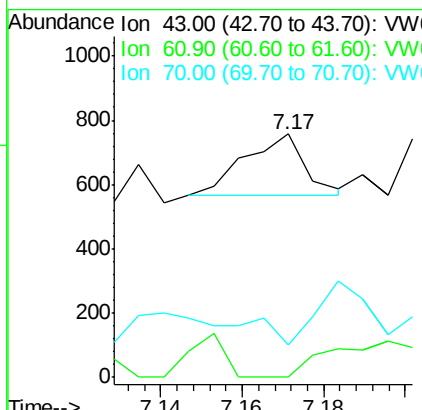
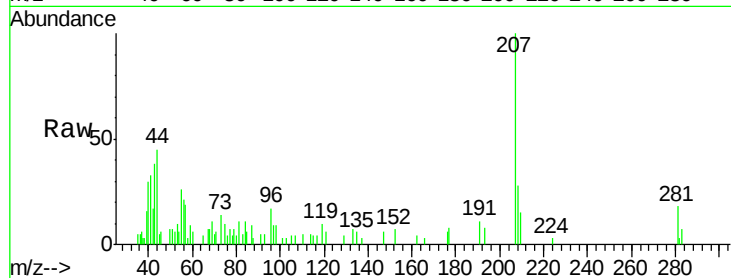




#37
Ethyl Acetate
Concen: 2480.950 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

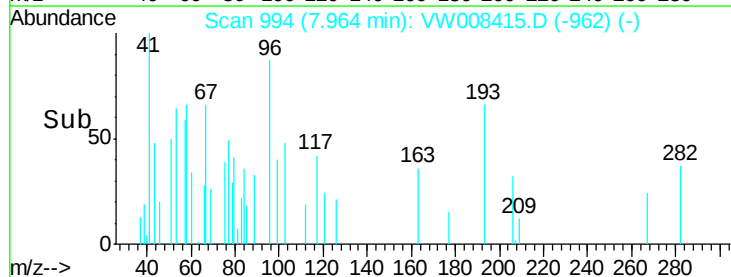
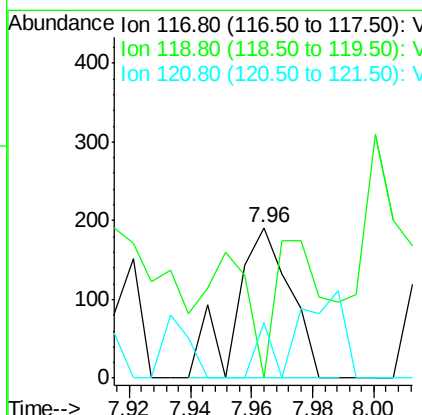
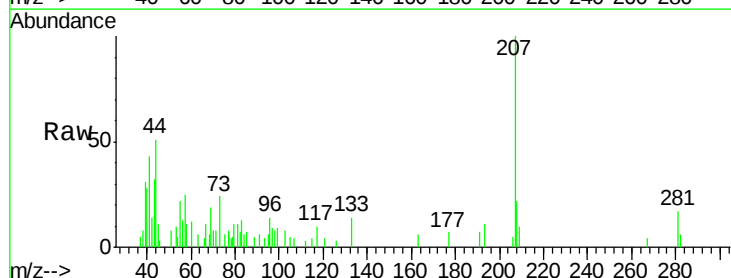
Instrument :
MSVOA_W
ClientSampled :
S4

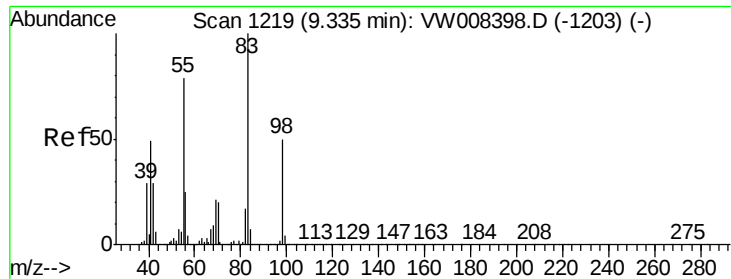
Tot Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 1312.252 ug/l
RT: 7.96 min Scan# 994
Delta R.T. -0.10 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion: 117 Resp: 237
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.4#
121 9.9 24.9 37.3#

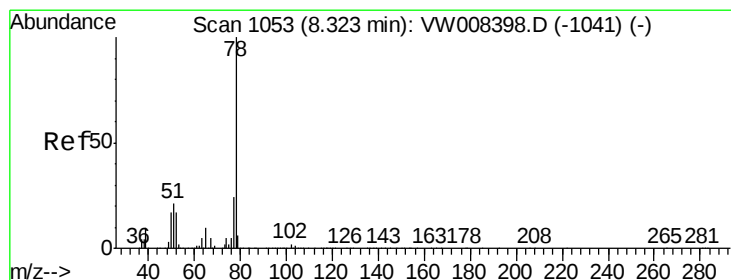
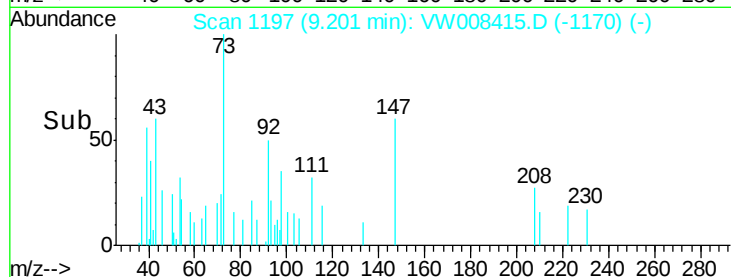
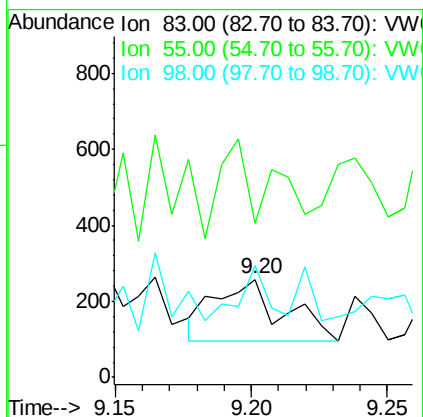
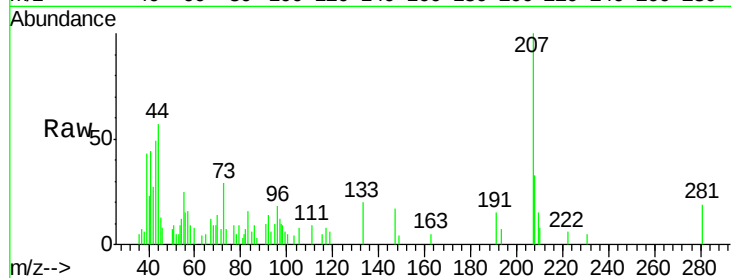




#39
Methvlcvclohexane
Concen: 1221.512 ug/l
RT: 9.20 min Scan# 1197
Delta R.T. -0.13 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

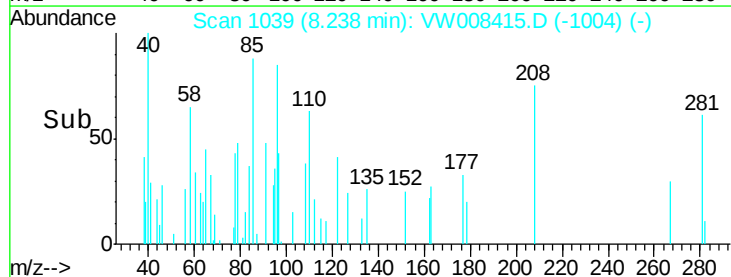
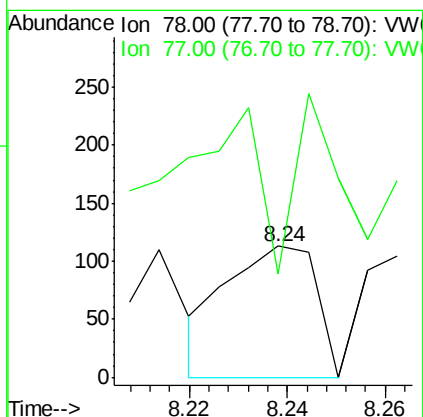
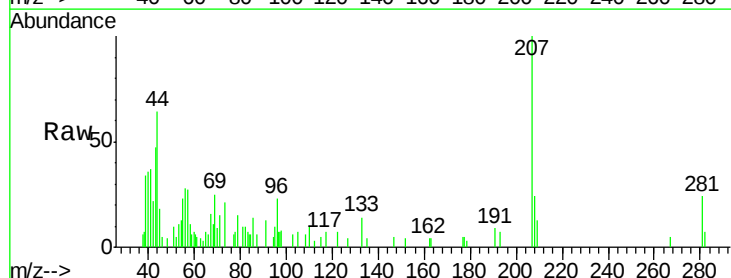
Instrument :
MSVOA_W
ClientSampled :
S4

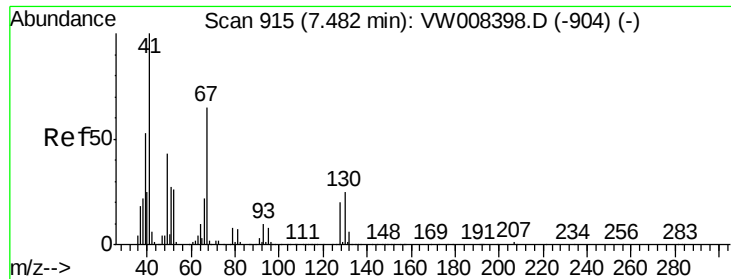
Tot Ion: 83 Resp: 288
Ion Ratio Lower Upper
83 100
55 0.0 63.3 94.9#
98 83.5 39.7 59.5#



#40
Benzene
Concen: 289.143 ug/l
RT: 8.24 min Scan# 1039
Delta R.T. -0.09 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion: 78 Resp: 144
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.6#

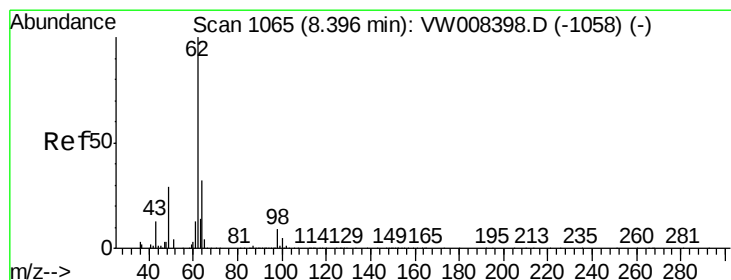
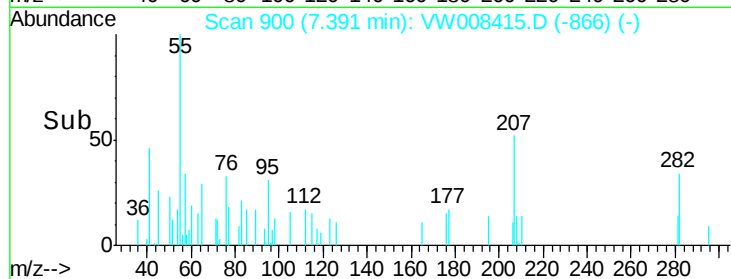
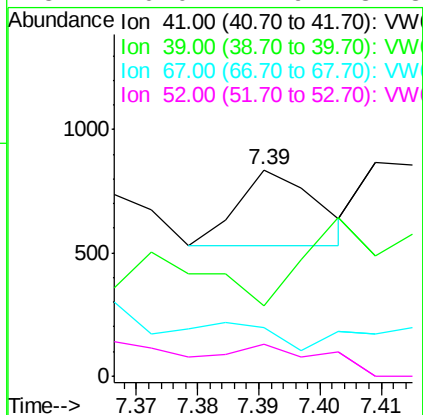
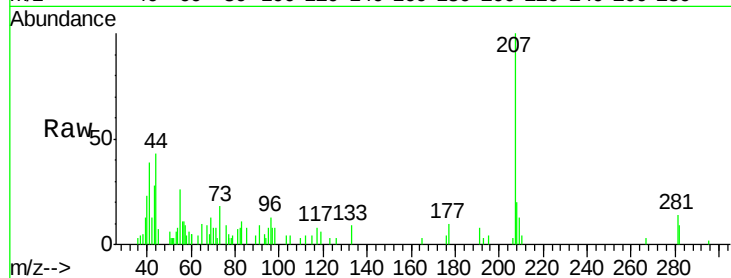




#41
Methacrylonitrile
Concen: 5806.387 ug/l
RT: 7.39 min Scan# 900
Delta R.T. -0.09 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

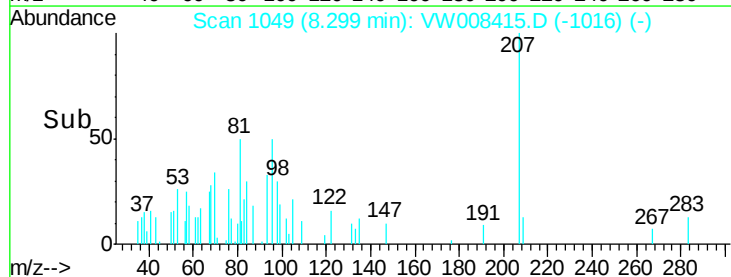
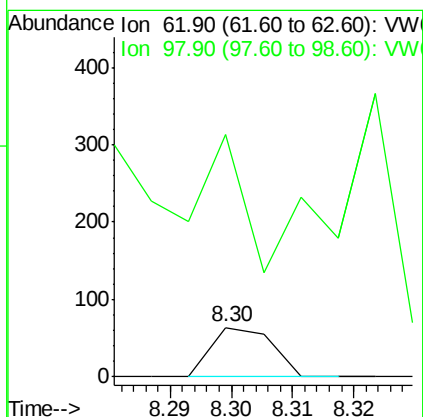
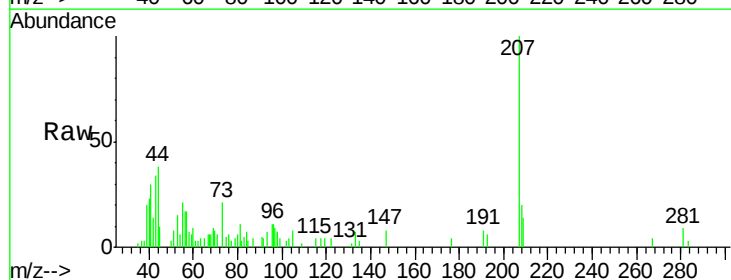
Instrument :
MSVOA_W
ClientSampled :
S4

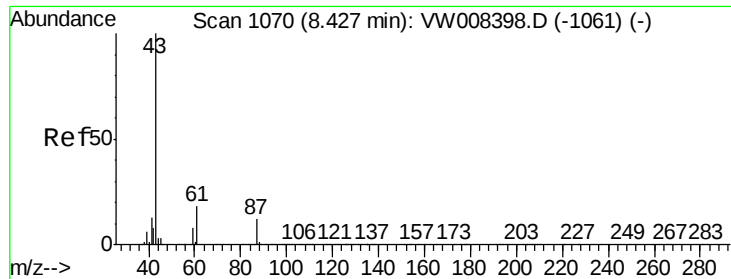
Tot Ion:	41	Resp:	273
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.4	65.0#
67	0.0	54.2	81.2#
52	0.0	22.9	34.3#



#42
1,2-Dichloroethane
Concen: 304.866 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.10 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion:	62	Resp:	44
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 4370.572 ug/l

RT: 8.34 min Scan# 1055

Delta R.T. -0.09 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

S4

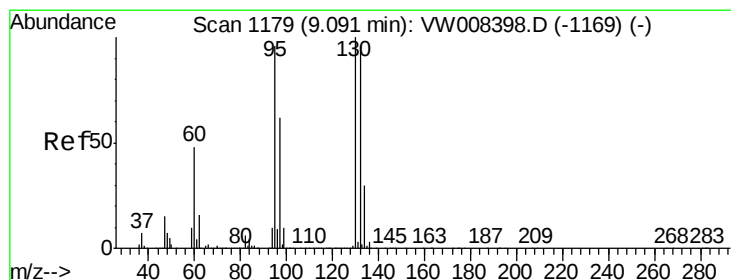
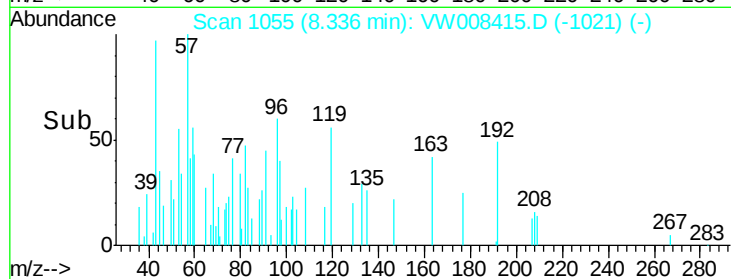
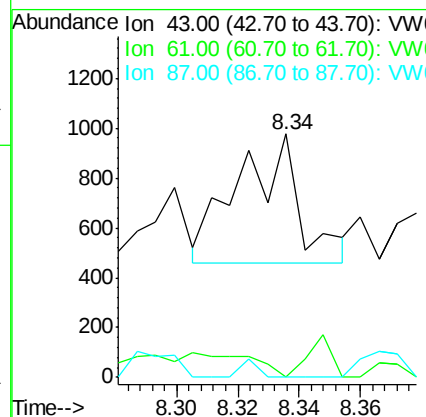
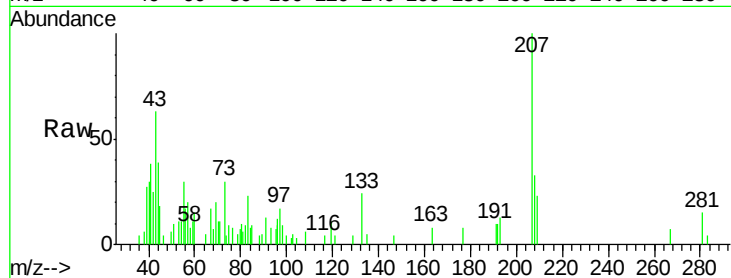
Tot Ion: 43 Resp: 721

Ion Ratio Lower Upper

43 100

61 0.0 22.0 33.0#

87 3.7 9.3 13.9#



#44

Trichloroethene

Concen: 347.045 ug/l

RT: 8.98 min Scan# 1160

Delta R.T. -0.12 min

Lab File: VW008415.D

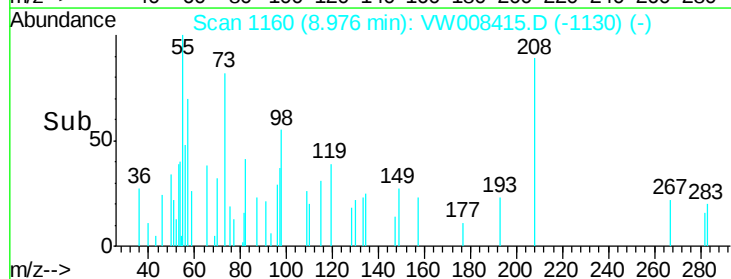
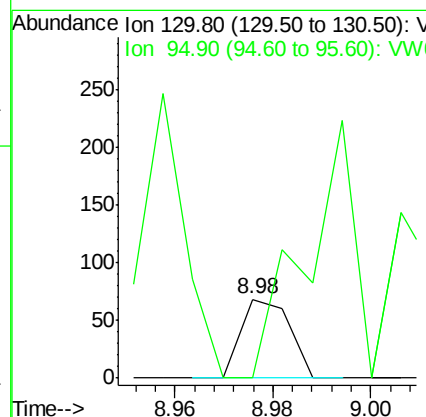
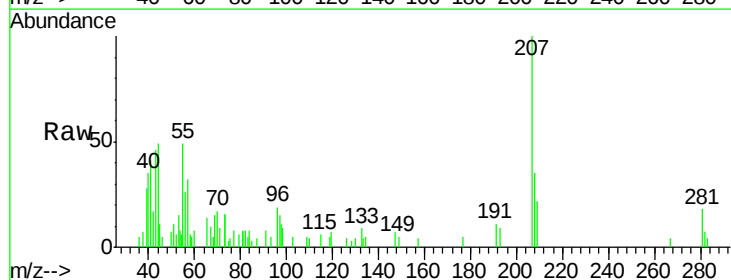
Acq: 25 Jan 2019 17:00

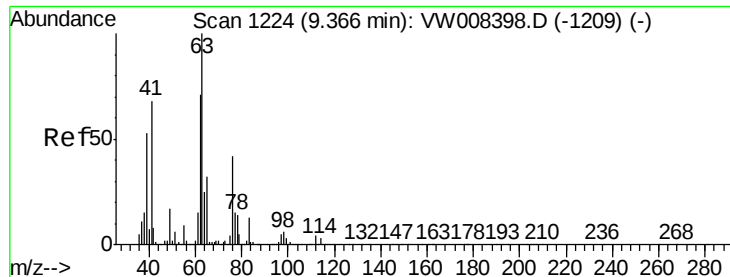
Tgt Ion: 130 Resp: 47

Ion Ratio Lower Upper

130 100

95 0.0 0.0 191.6





#45

1,2-Dichloropropane

Concen: 700.616 ug/l

RT: 9.29 min Scan# 1211

Delta R.T. -0.08 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

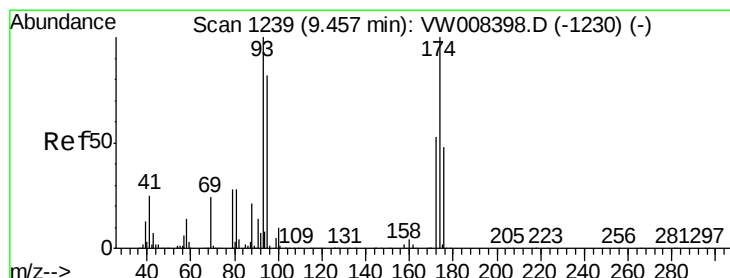
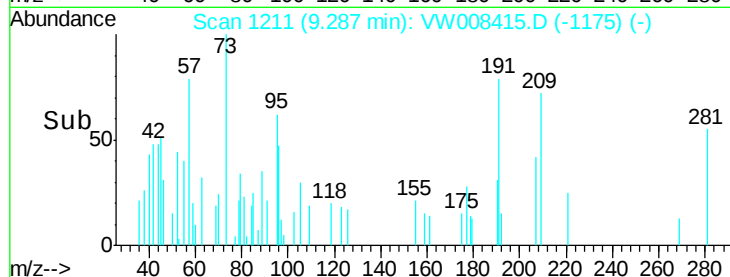
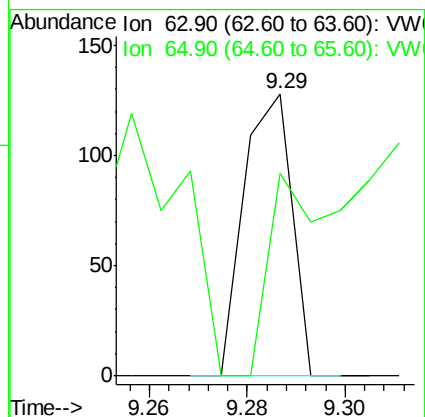
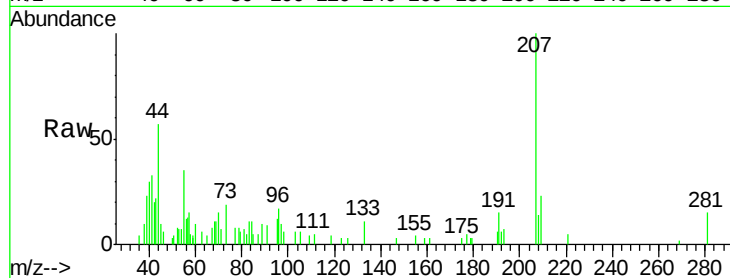
S4

Tot Ion: 63 Resp: 87

Ion Ratio Lower Upper

63 100

65 13.3 25.2 37.8#



#46

Dibromomethane

Concen: 2974.865 ug/l

RT: 9.32 min Scan# 1217

Delta R.T. -0.13 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

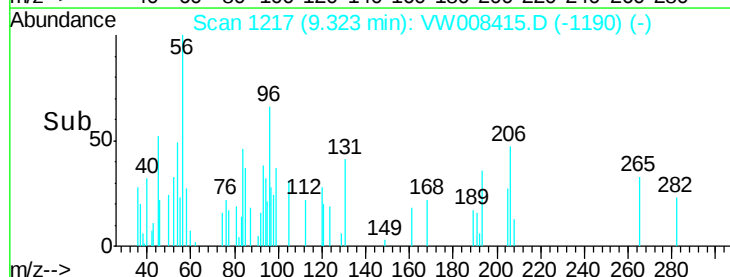
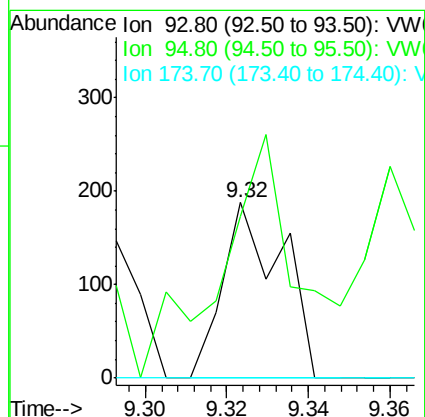
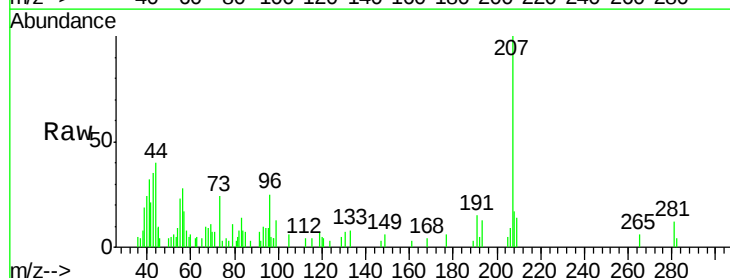
Tgt Ion: 93 Resp: 190

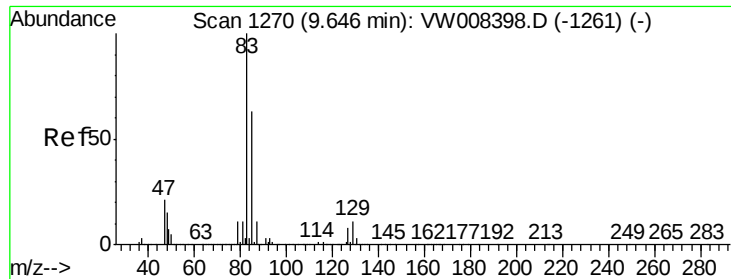
Ion Ratio Lower Upper

93 100

95 180.5 65.9 98.9#

174 0.0 81.0 121.6#





#47

Bromodichloromethane

Concen: 651.144 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. -0.13 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

S4

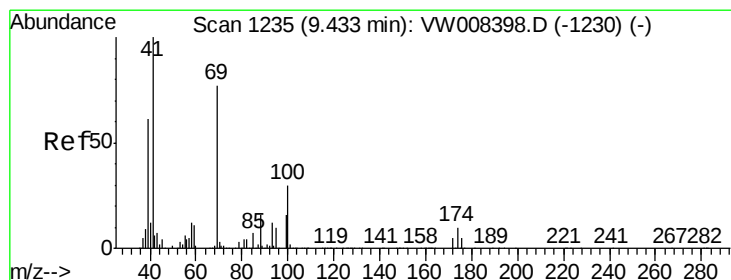
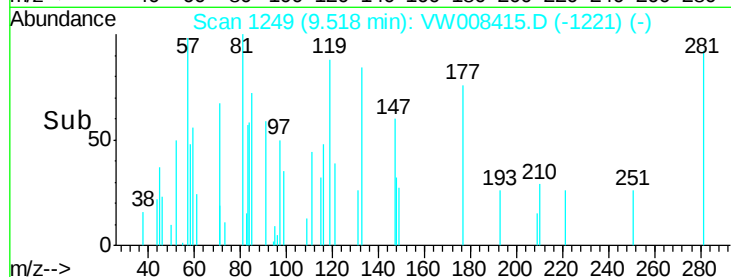
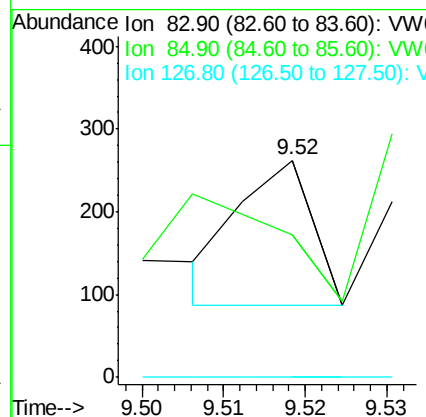
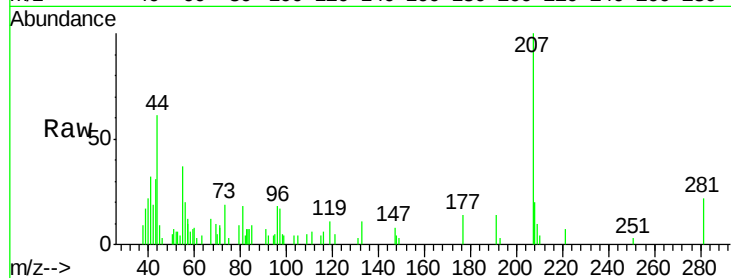
Tot Ion: 83 Resp: 110

Ion Ratio Lower Upper

83 100

85 46.3 50.8 76.2#

127 0.0 6.8 10.2#



#48

Methyl methacrylate

Concen: 3173.712 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.10 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

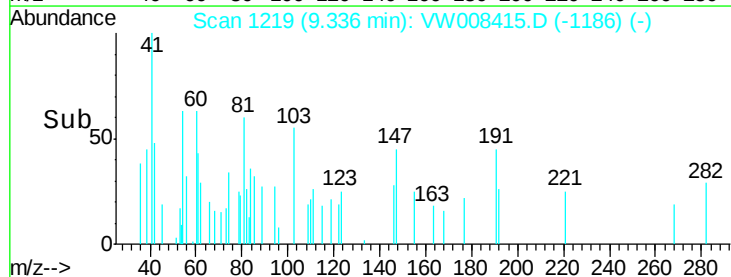
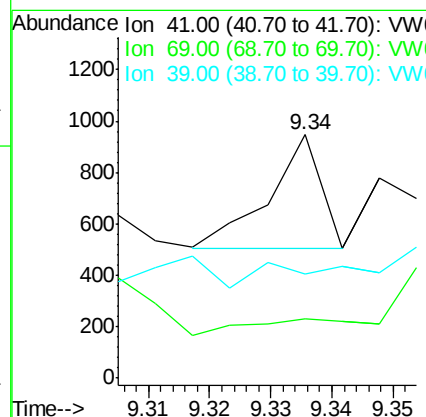
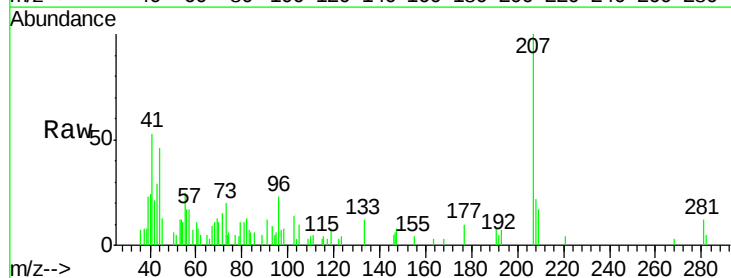
Tgt Ion: 41 Resp: 256

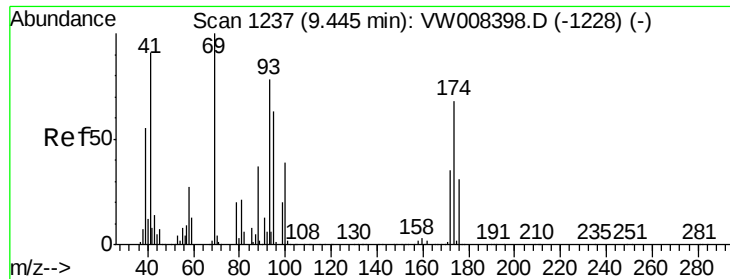
Ion Ratio Lower Upper

41 100

69 83.6 64.8 97.2

39 0.0 49.1 73.7#

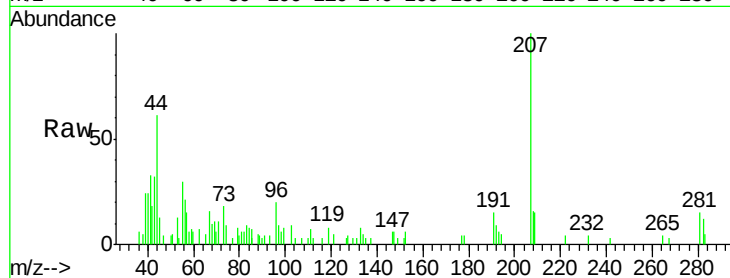




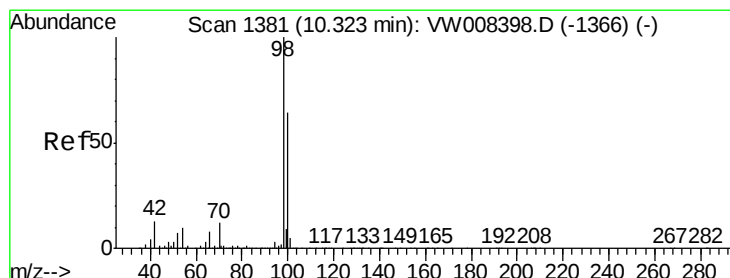
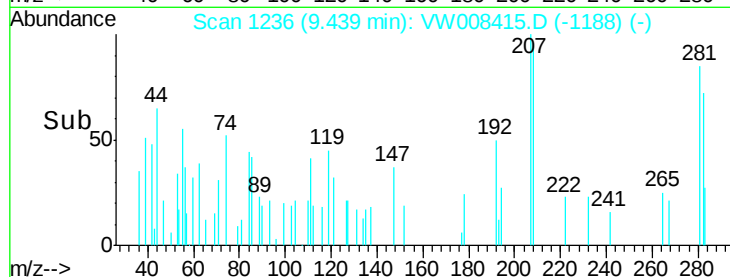
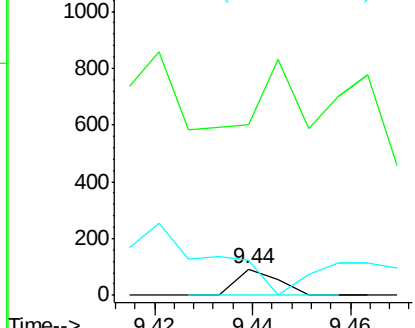
#49
1,4-Dioxane
Concen: 49093.456 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
S4

Tot Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 843.4 29.0 43.4#
58 275.5 56.4 84.6#

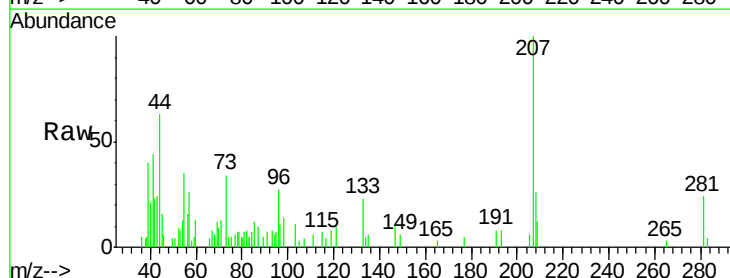


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

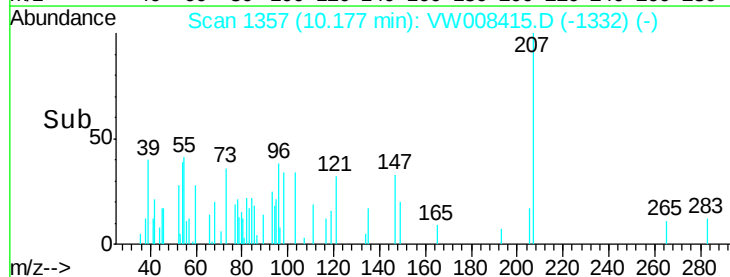
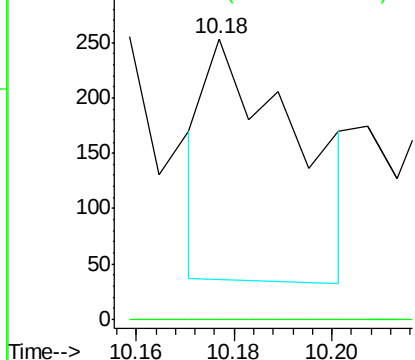


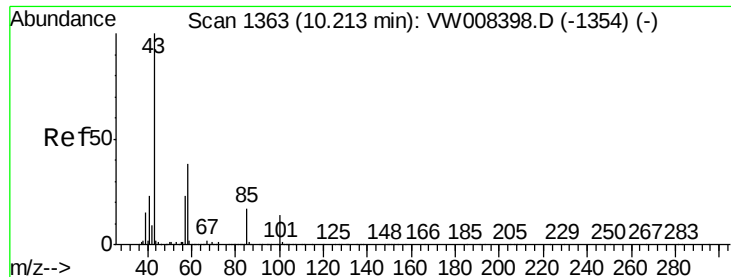
#50
Toluene-d8
Concen: 632.978 ug/l
RT: 10.18 min Scan# 1357
Delta R.T. -0.15 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion: 98 Resp: 282
Ion Ratio Lower Upper
98 100
100 0.0 52.6 78.8#



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

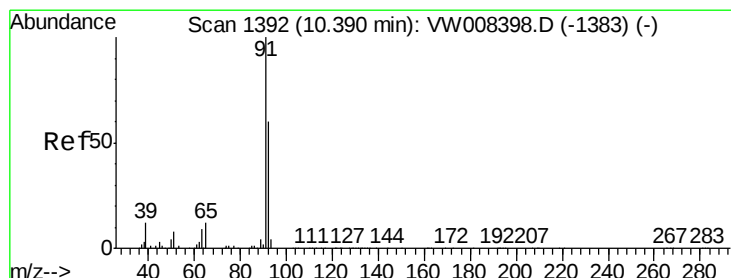
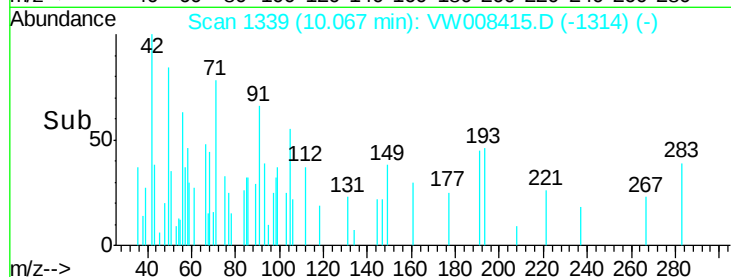
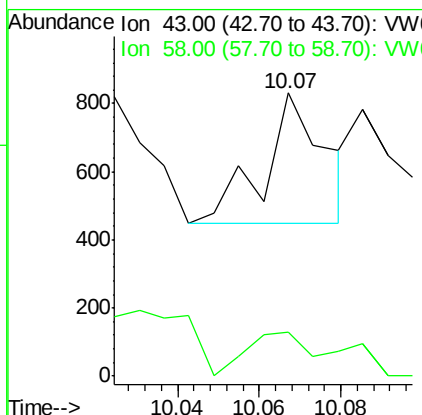
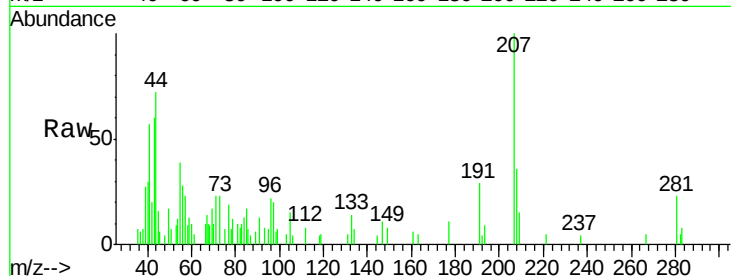




#51
4-Methyl-2-Pentanone
Concen: 4895.778 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.15 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

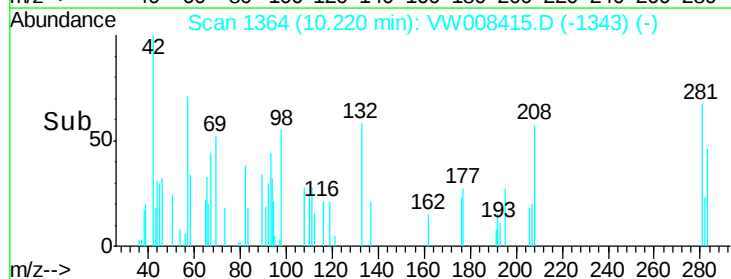
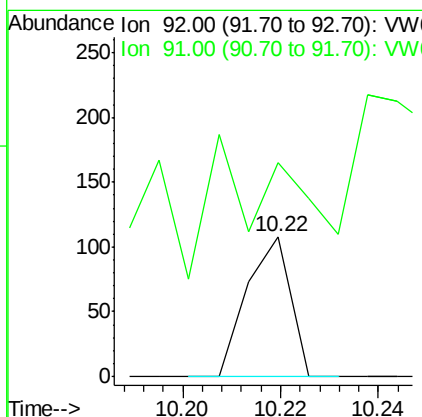
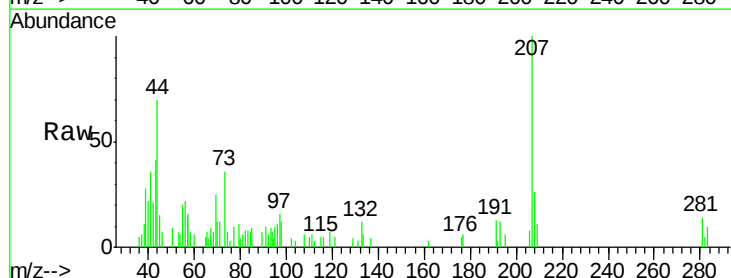
Instrument :
MSVOA_W
ClientSampled :
S4

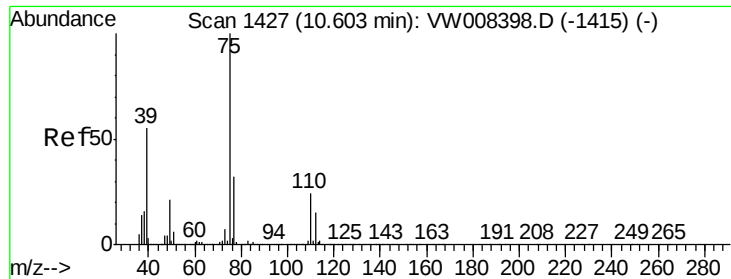
Tot Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
58 49.1 29.7 44.5#



#52
Toluene
Concen: 200.758 ug/l
RT: 10.22 min Scan# 1364
Delta R.T. -0.17 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion: 92 Resp: 66
Ion Ratio Lower Upper
92 100
91 166.7 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 1802.422 ug/l

RT: 10.49 min Scan# 1408

Delta R.T. -0.12 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

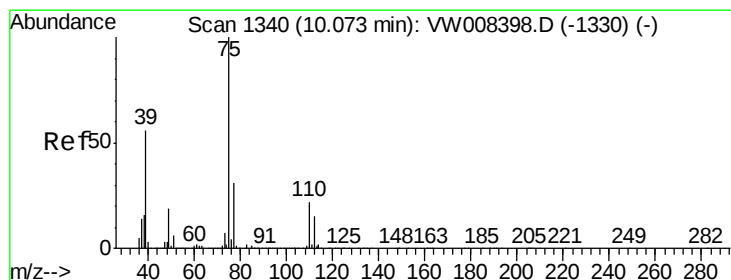
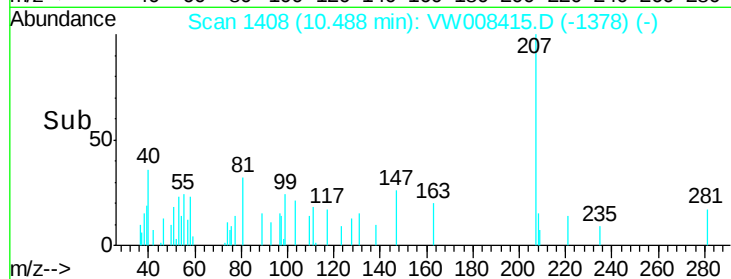
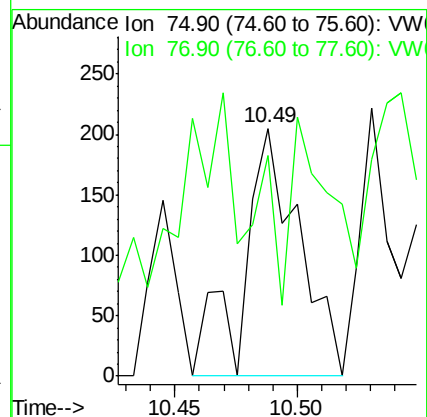
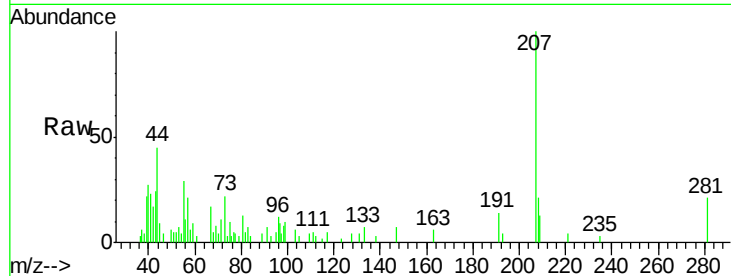
S4

Tot Ion: 75 Resp: 324

Ion Ratio Lower Upper

75 100

77 20.0 25.3 37.9#



#54

cis-1,3-Dichloropropene

Concen: 1122.567 ug/l

RT: 9.96 min Scan# 1321

Delta R.T. -0.12 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

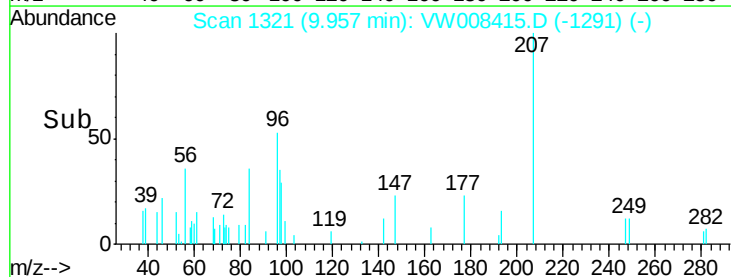
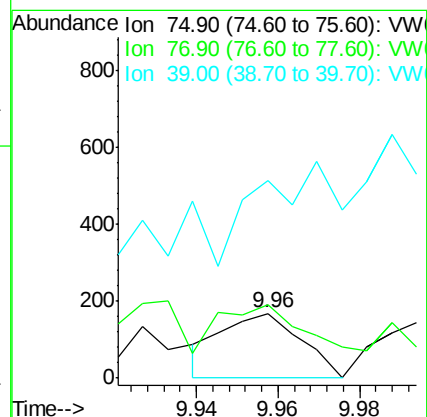
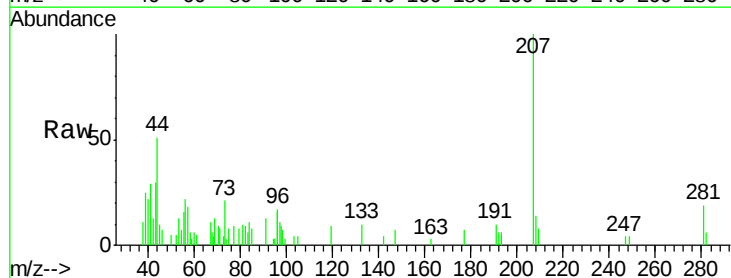
Tgt Ion: 75 Resp: 229

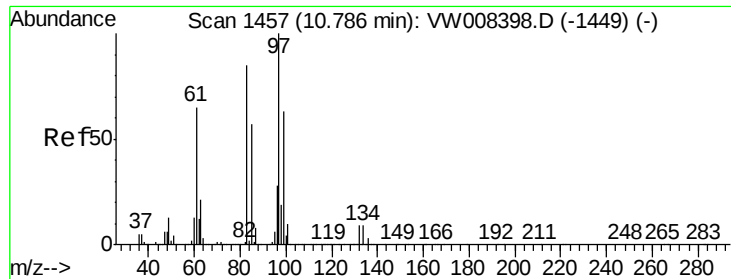
Ion Ratio Lower Upper

75 100

77 75.1 25.0 37.4#

39 44.4 44.9 67.3#

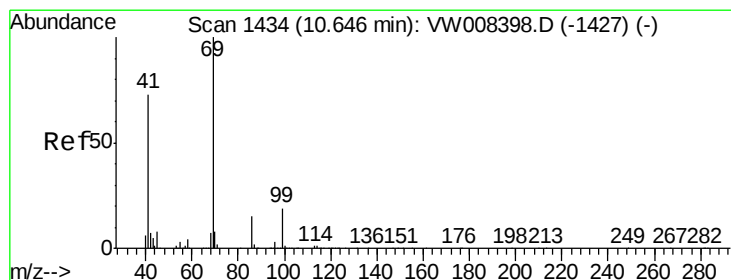
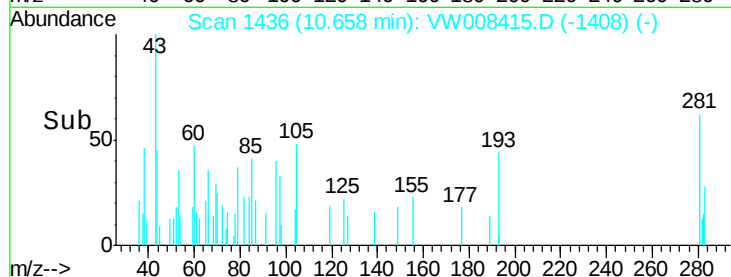
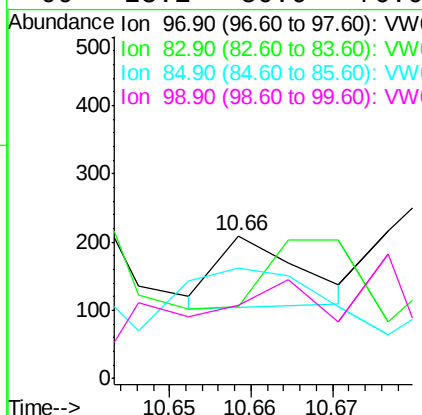
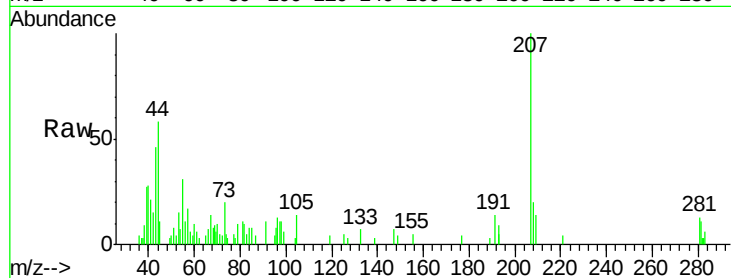




#55
 1,1,2-Trichloroethane
 Concen: 824.029 ug/l
 RT: 10.66 min Scan# 1436
 Delta R.T. -0.13 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

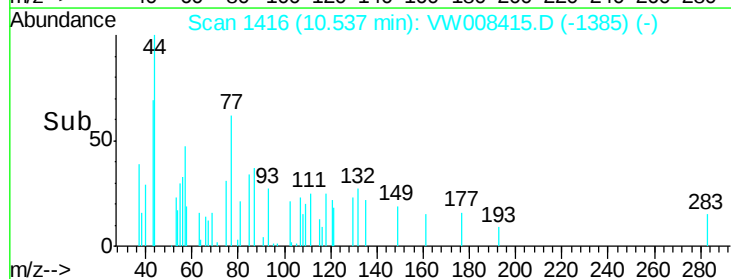
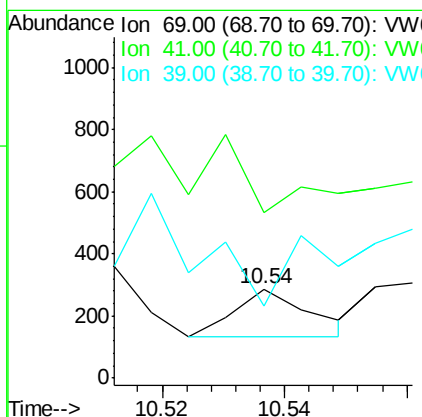
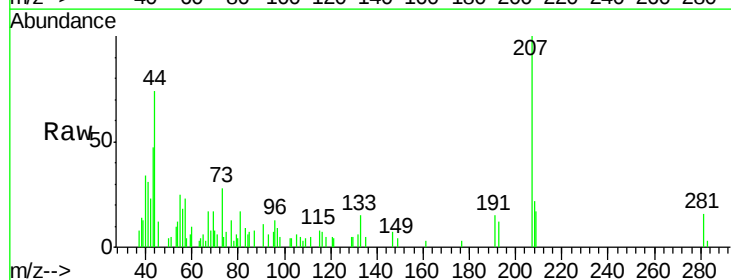
Instrument :
 MSVOA_W
 ClientSampled :
 S4

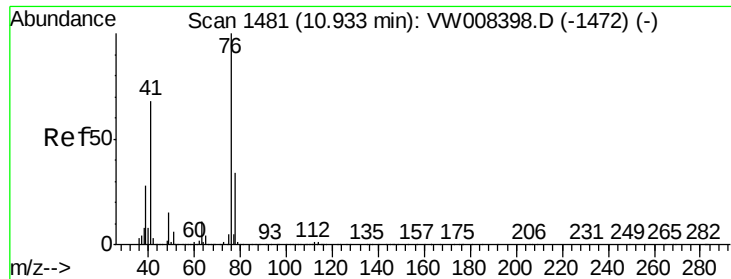
Tot Ion:	97	Resp:	73
Ion	Ratio	Lower	Upper
97	100		
83	5.6	68.4	102.6#
85	62.9	45.3	67.9
99	28.1	50.6	76.0#



#56
 Ethyl methacrylate
 Concen: 1055.324 ug/l
 RT: 10.54 min Scan# 1416
 Delta R.T. -0.11 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

Tgt Ion:	69	Resp:	131
Ion	Ratio	Lower	Upper
69	100		
41	0.0	58.7	88.1#
39	0.0	32.6	48.8#





#57

1,3-Dichloropropane

Concen: 308.742 ug/l

RT: 10.80 min Scan# 1459

Delta R.T. -0.13 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

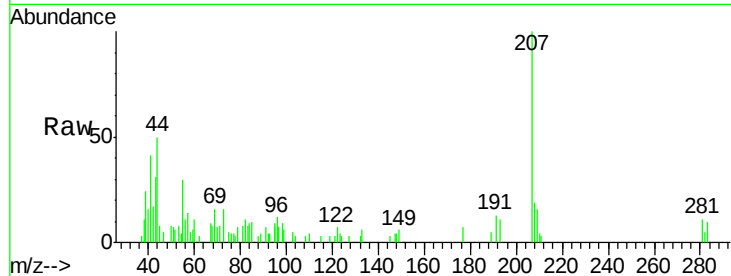
S4

Tot Ion: 76 Resp: 49

Ion Ratio Lower Upper

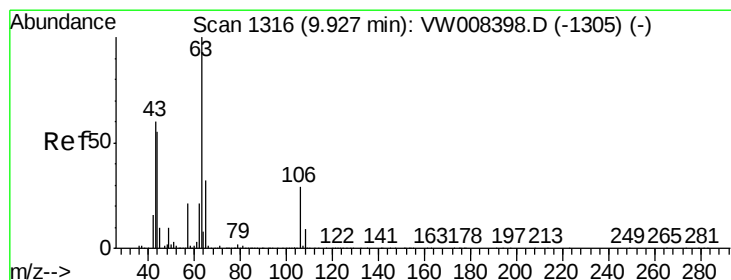
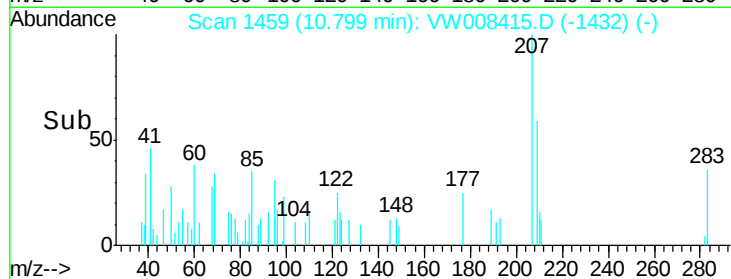
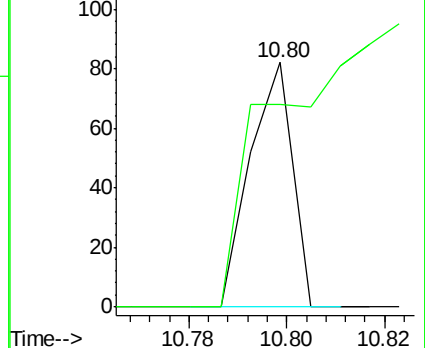
76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 1243.524 ug/l

RT: 9.58 min Scan# 1259

Delta R.T. -0.35 min

Lab File: VW008415.D

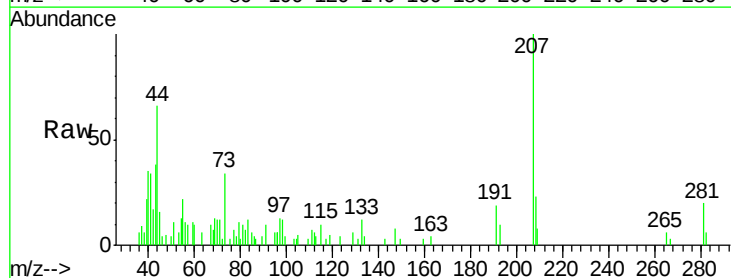
Acq: 25 Jan 2019 17:00

Tgt Ion: 63 Resp: 75

Ion Ratio Lower Upper

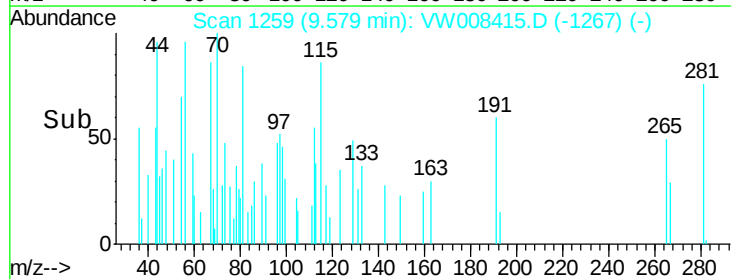
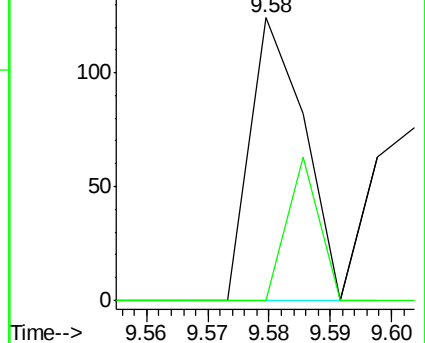
63 100

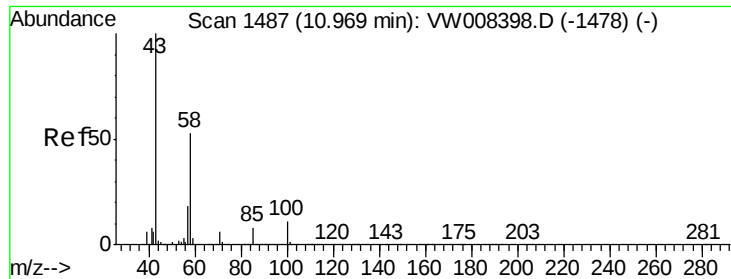
106 30.7 22.4 33.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

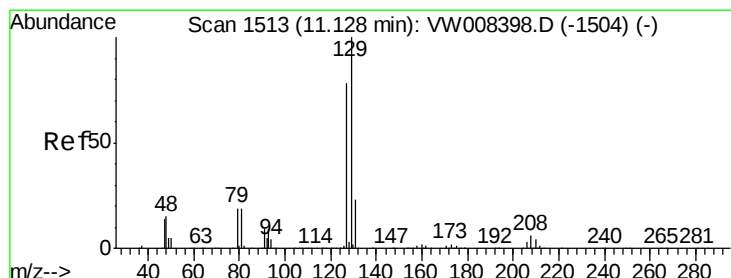
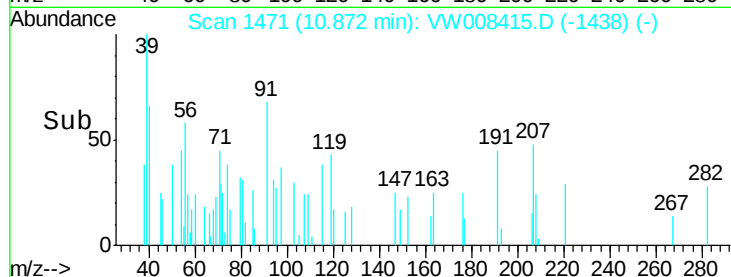
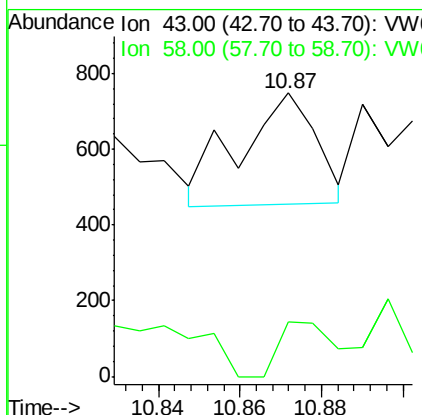
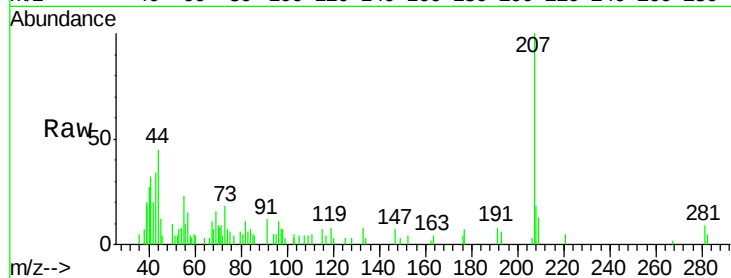




#59
2-Hexanone
Concen: 6708.983 ug/l
RT: 10.87 min Scan# 1471
Delta R.T. -0.10 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

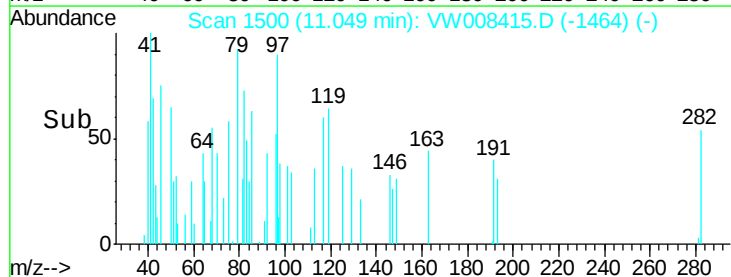
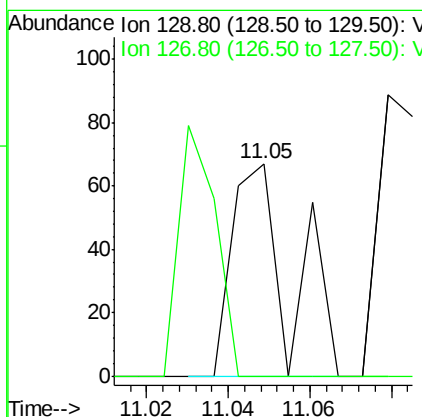
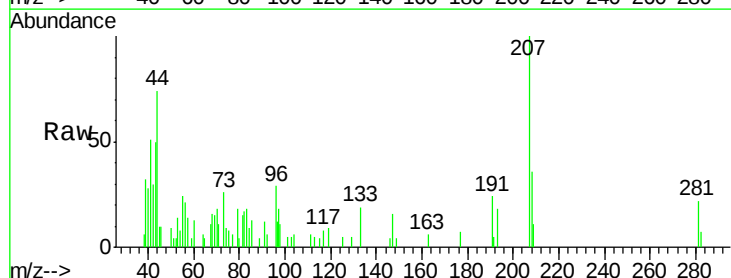
Instrument :
MSVOA_W
ClientSampled :
S4

Tot Ion: 43 Resp: 386
Ion Ratio Lower Upper
43 100
58 34.2 25.9 77.7



#60
Dibromochloromethane
Concen: 588.522 ug/l
RT: 11.05 min Scan# 1500
Delta R.T. -0.08 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion: 129 Resp: 67
Ion Ratio Lower Upper
129 100
127 73.1 39.1 117.2

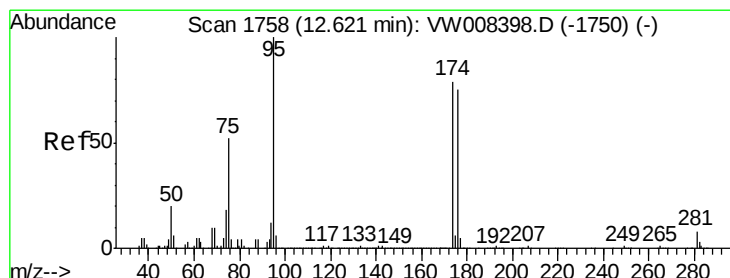
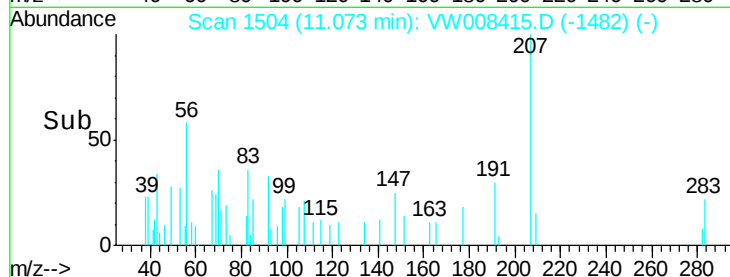
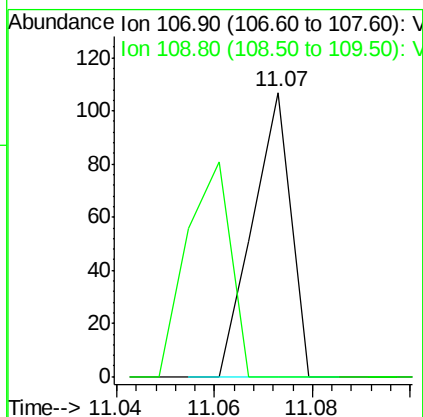
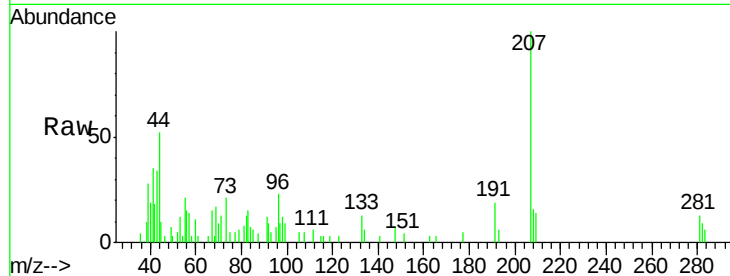




#61
 1,2-Dibromoethane
 Concen: 660.290 ug/l
 RT: 11.07 min Scan# 1504
 Delta R.T. -0.16 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

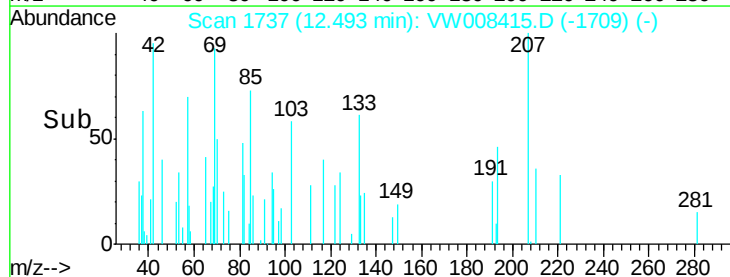
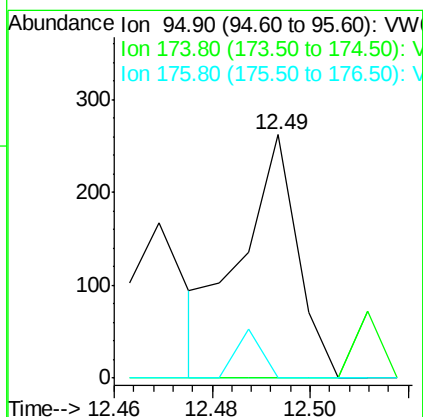
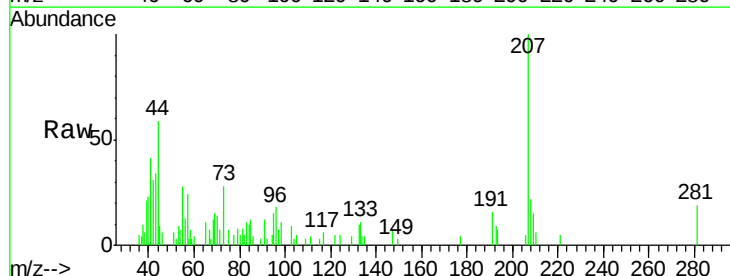
Instrument :
 MSVOA_W
 ClientSampleId :
 S4

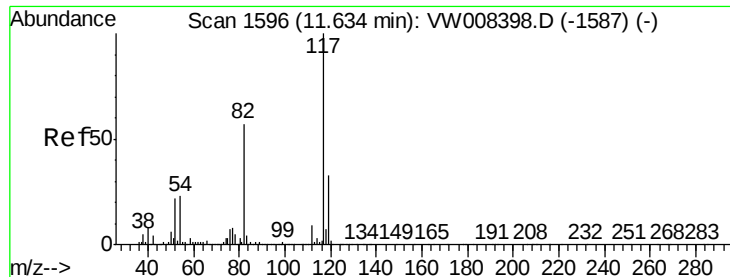
Tot Ion: 107 Resp: 58
 Ion Ratio Lower Upper
 107 100
 109 86.2 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 1220.451 ug/l
 RT: 12.49 min Scan# 1737
 Delta R.T. -0.13 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

Tgt Ion: 95 Resp: 209
 Ion Ratio Lower Upper
 95 100
 174 0.0 0.0 157.6
 176 9.1 0.0 151.8

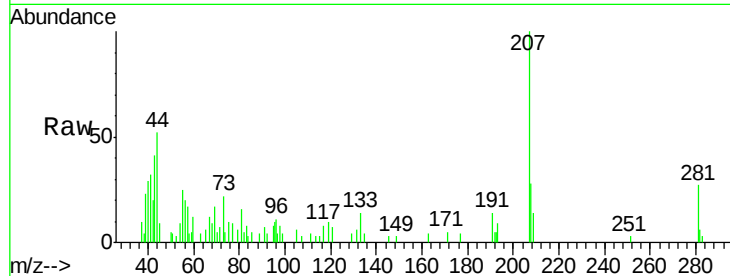




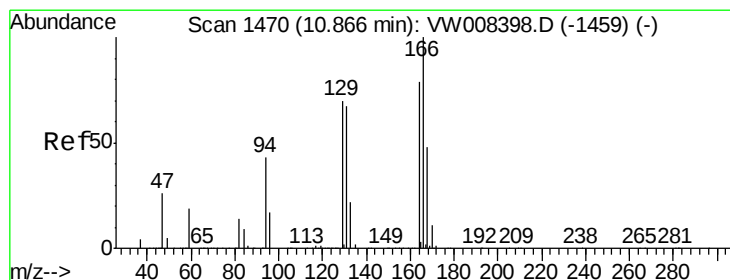
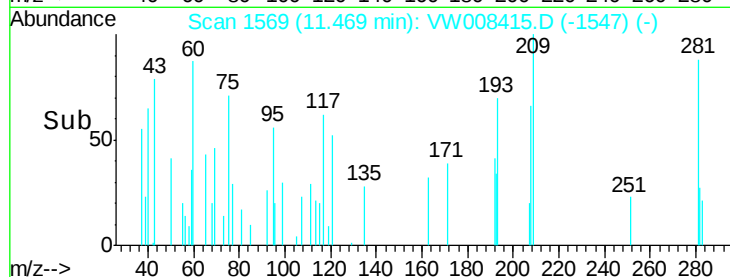
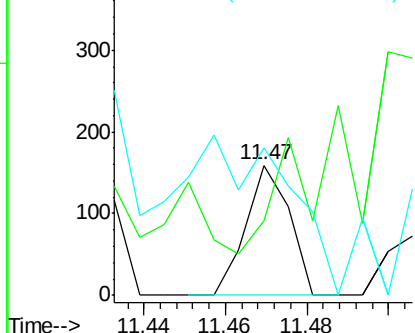
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.47 min Scan# 1569
Delta R.T. -0.16 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Instrument :
MSVOA_W
ClientSampled :
S4

Tot Ion:117 Resp: 118
Ion Ratio Lower Upper
117 100
82 0.0 45.4 68.0#
119 113.2 26.2 39.4#

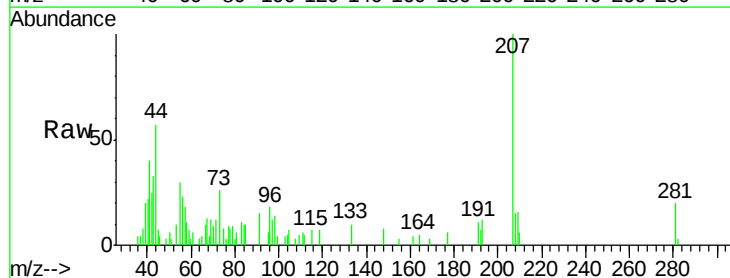


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

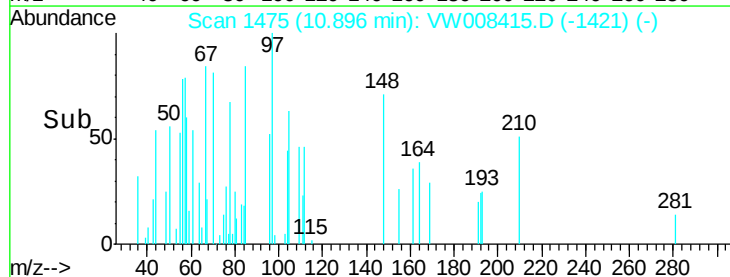
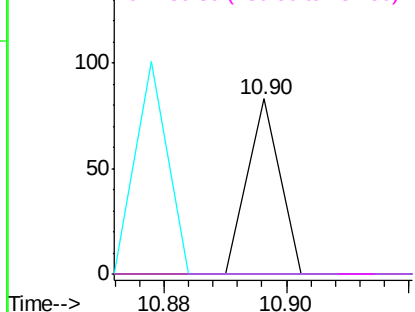


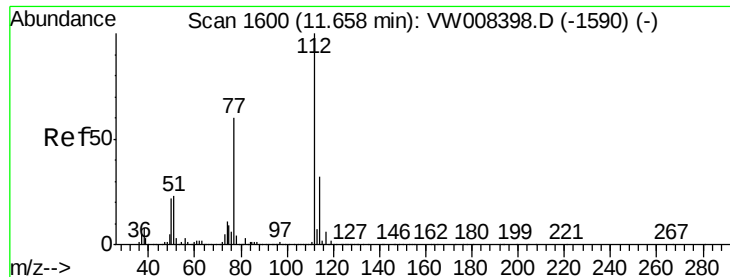
#64
Tetrachloroethene
Concen: 37.550 ug/l
RT: 10.90 min Scan# 1475
Delta R.T. 0.03 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion:164 Resp: 30
Ion Ratio Lower Upper
164 100
166 0.0 101.4 152.0#
129 0.0 71.0 106.6#
131 0.0 68.3 102.5#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

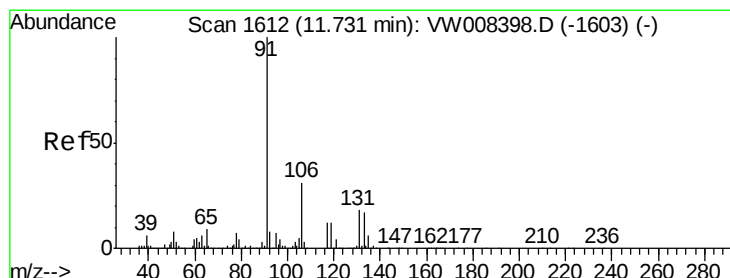
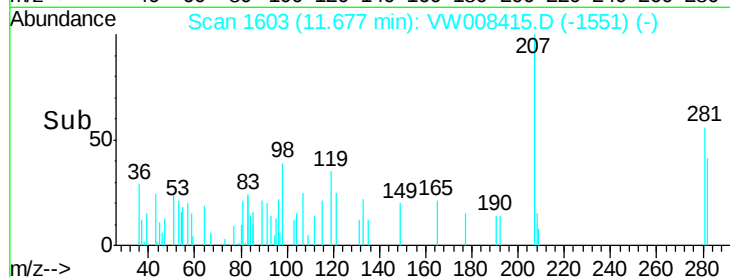
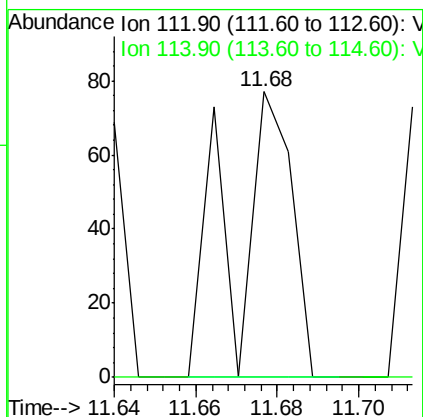
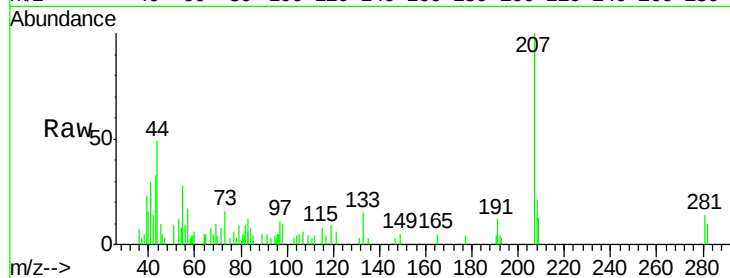




#65
Chlorobenzene
Concen: 31.966 ug/l
RT: 11.68 min Scan# 1603
Delta R.T. 0.02 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

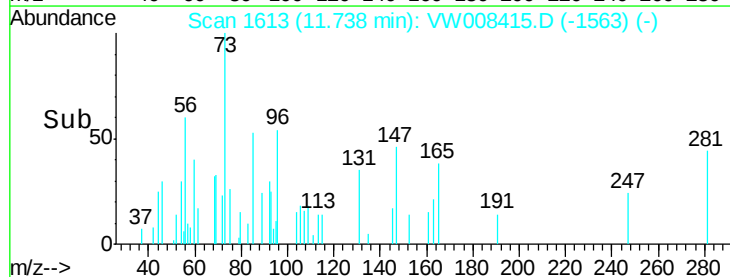
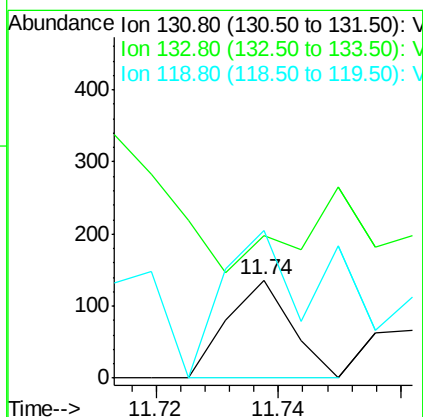
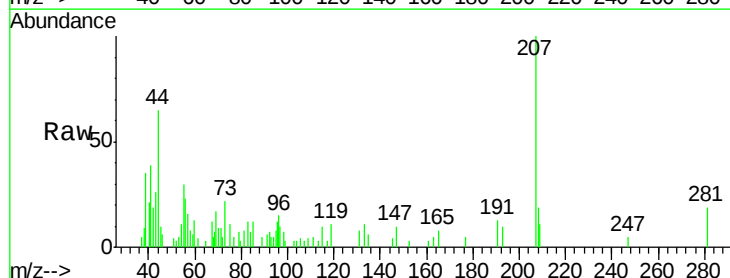
Instrument :
MSVOA_W
ClientSampled :
S4

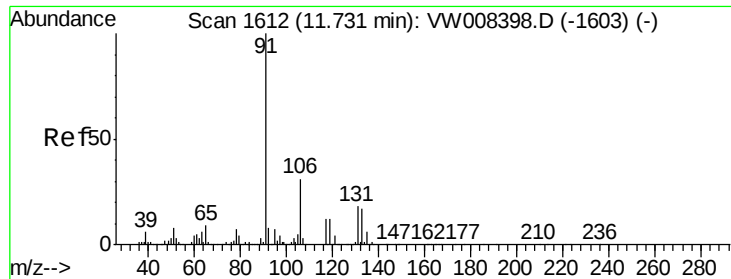
Tot Ion:112 Resp: 77
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 114.873 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion:131 Resp: 99
Ion Ratio Lower Upper
131 100
133 0.0 47.0 141.2#
119 252.5 32.1 96.3#

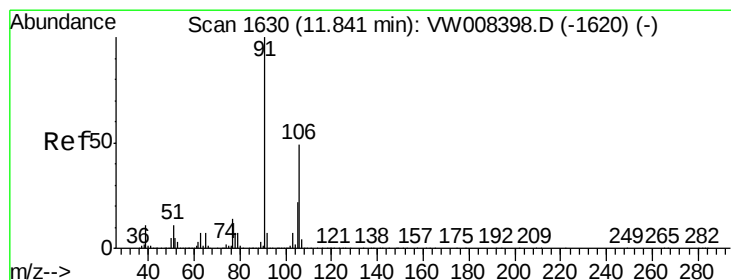
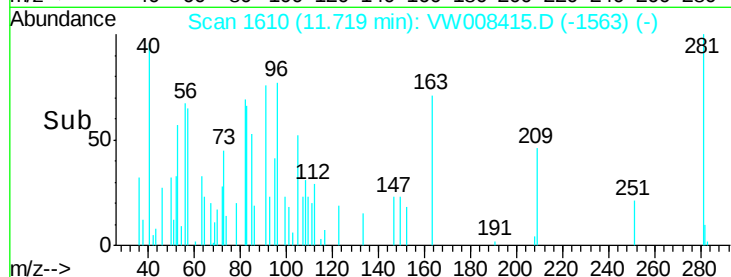
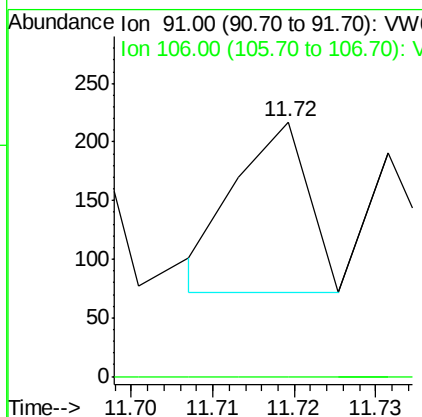
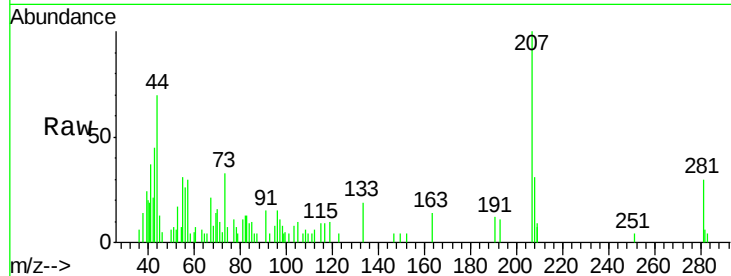




#67
Ethyl Benzene
Concen: 20.100 ug/l
RT: 11.72 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

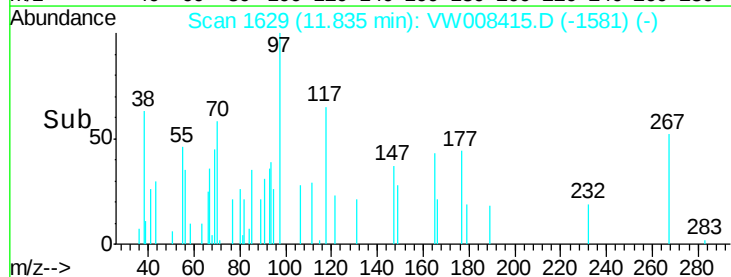
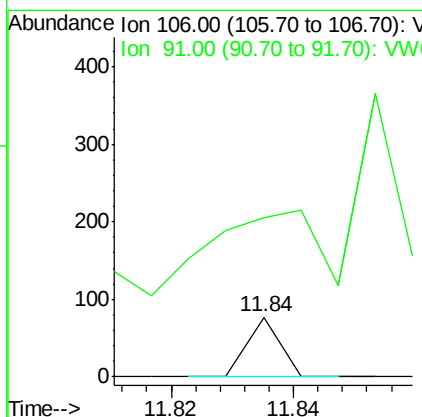
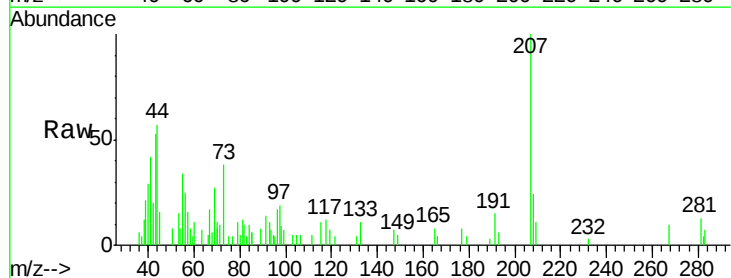
Instrument :
MSVOA_W
ClientSampled :
S4

Tot Ion: 91 Resp: 89
Ion Ratio Lower Upper
91 100
106 0.0 24.7 37.1#



#68
m/p-Xylenes
Concen: 16.298 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion: 106 Resp: 28
Ion Ratio Lower Upper
106 100
91 1021.4 162.9 244.3#

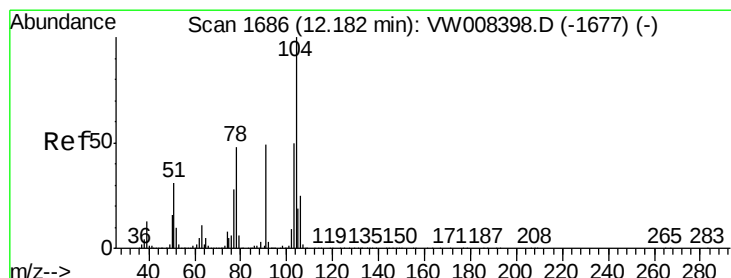
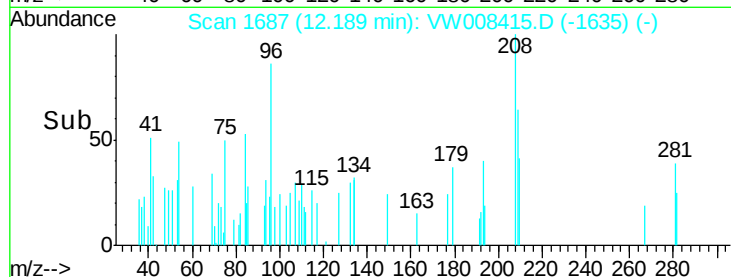
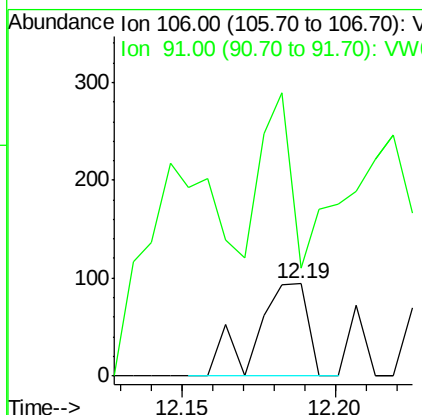
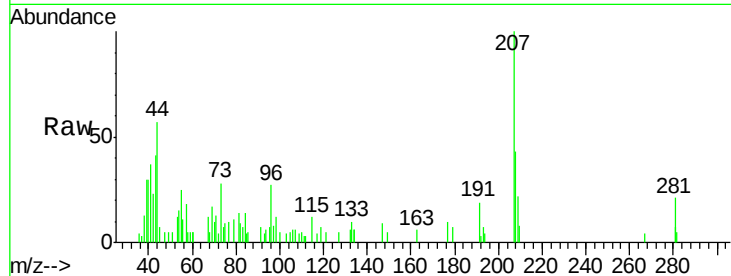




#69
o-Xylene
Concen: 67.389 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.02 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

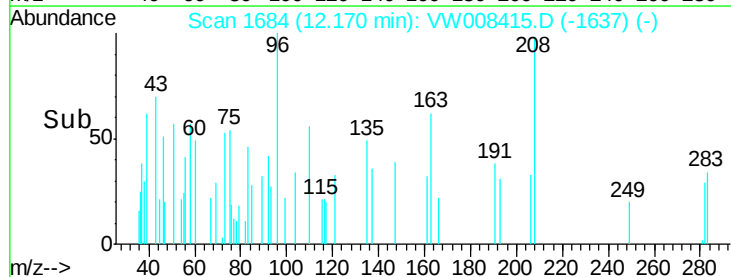
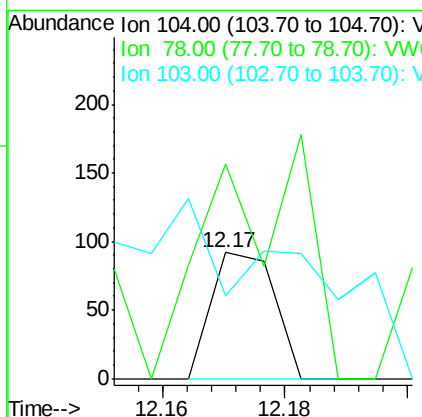
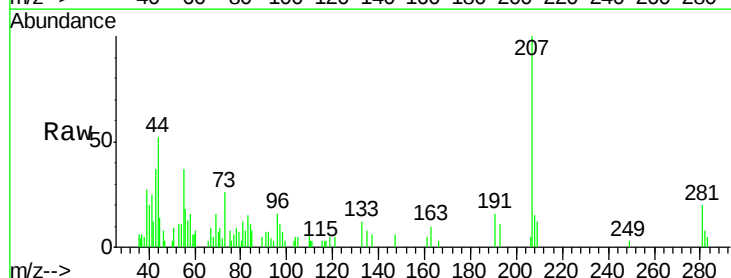
Instrument :
MSVOA_W
ClientSampled :
S4

Tot Ion:106 Resp: 110
Ion Ratio Lower Upper
106 100
91 110.0 107.5 322.4



#70
Styrene
Concen: 24.108 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion:104 Resp: 65
Ion Ratio Lower Upper
104 100
78 281.5 42.4 63.6#
103 444.6 43.4 65.0#





#71

Bromoform

Concen: 47.433 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.11 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

S4

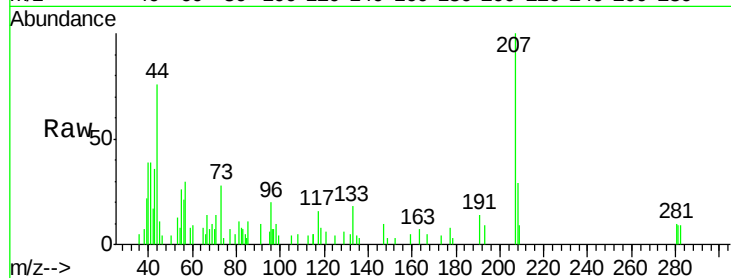
Tot Ion:173 Resp: 23

Ion Ratio Lower Upper

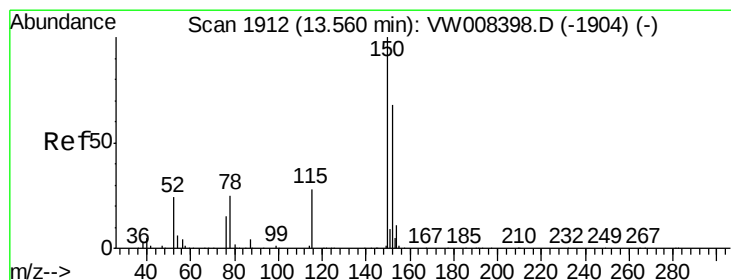
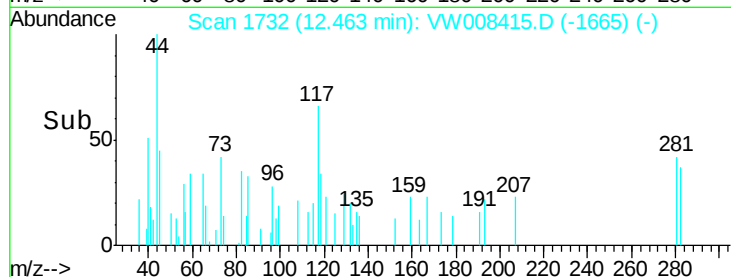
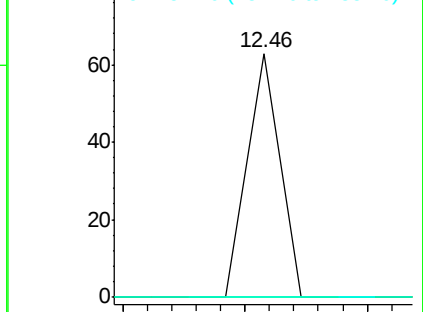
173 100

175 0.0 24.4 73.4#

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.02 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

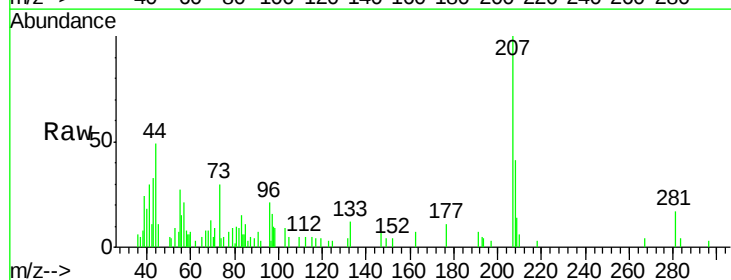
Tgt Ion:152 Resp: 76

Ion Ratio Lower Upper

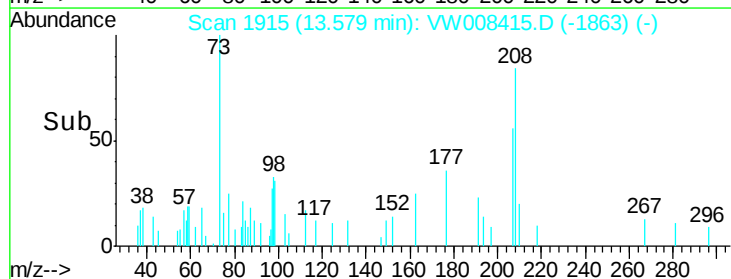
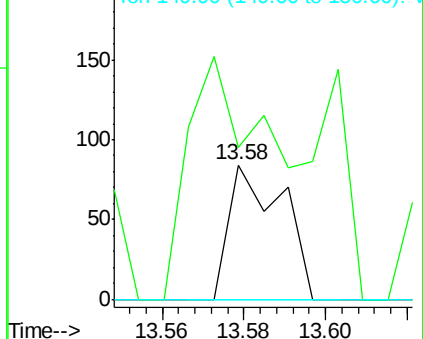
152 100

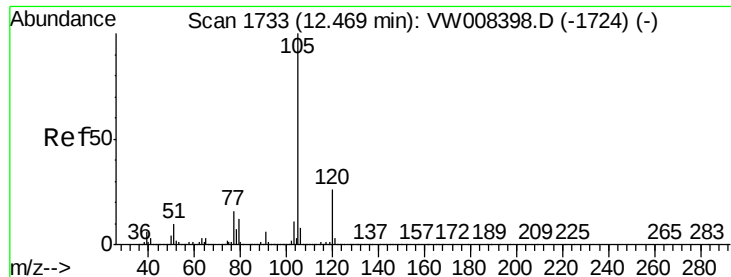
115 376.3 29.9 89.7#

150 0.0 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: 69.538 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.05 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

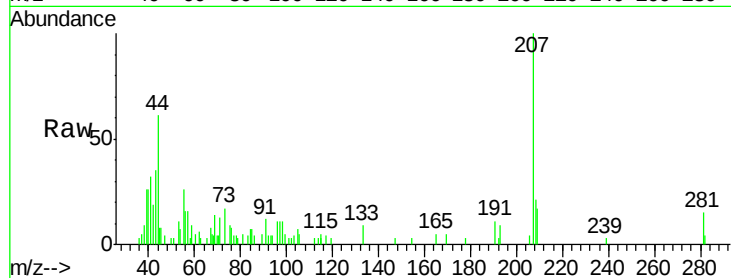
S4

Tot Ion: 105 Resp: 394

Ion Ratio Lower Upper

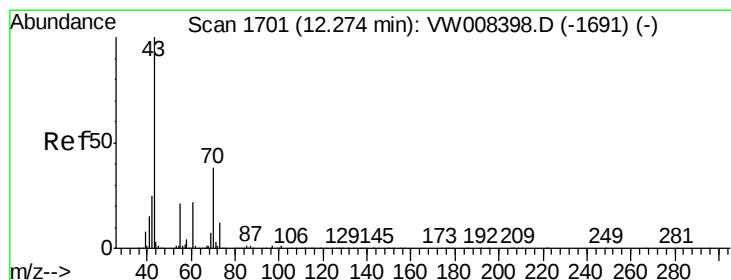
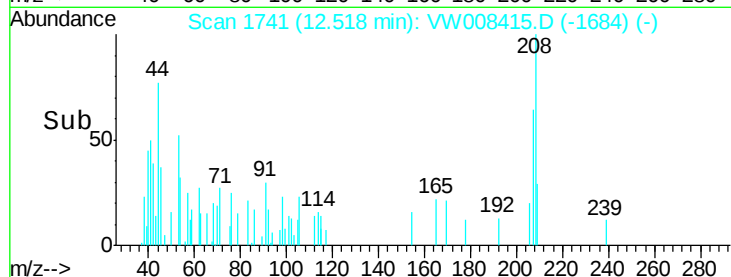
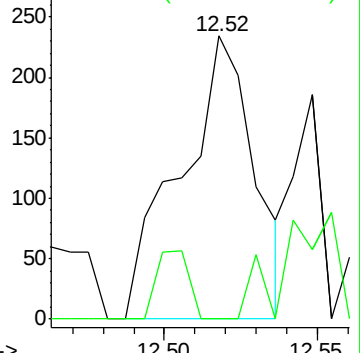
105 100

120 10.4 13.3 39.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 237.044 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Tgt Ion: 43 Resp: 346

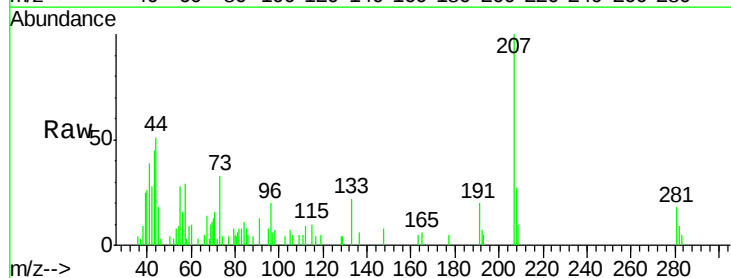
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 17.4 26.2#

61 14.7 18.2 27.4#

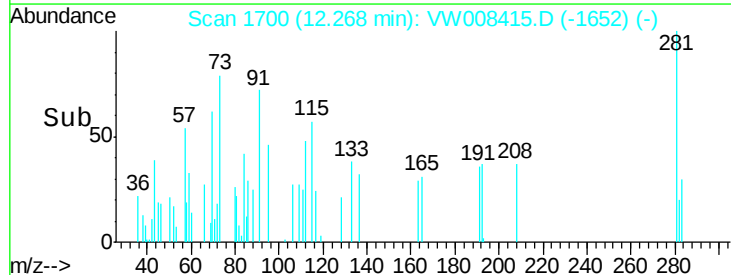
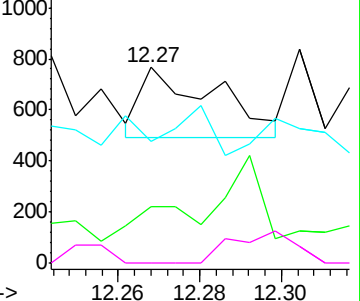


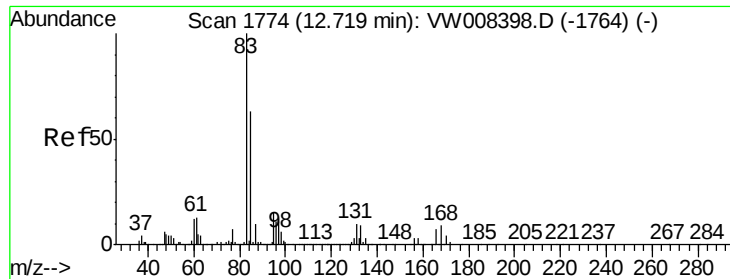
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

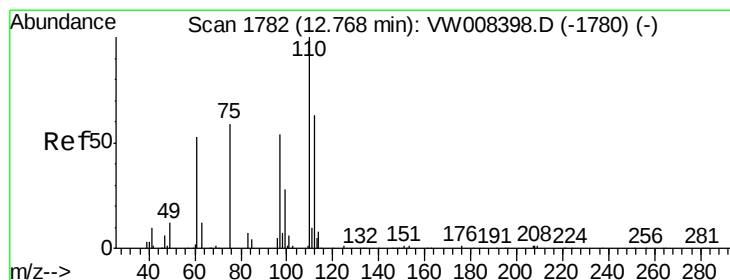
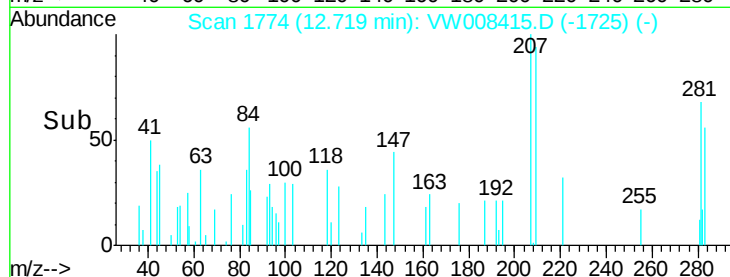
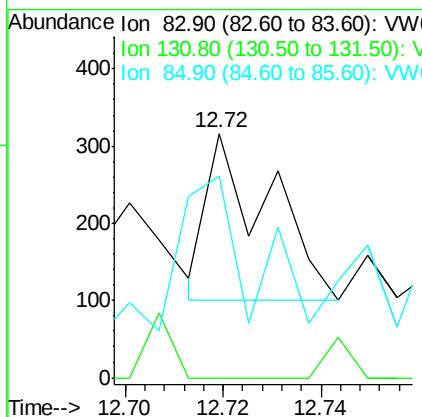
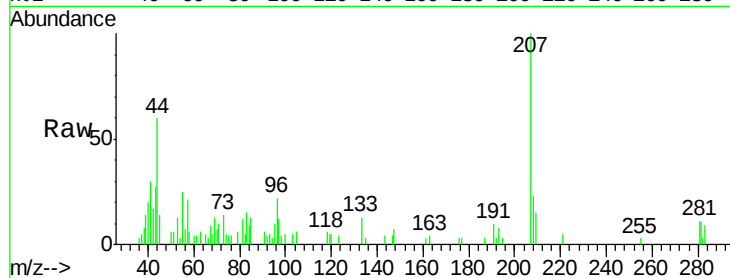




#75
 1,1,2,2-Tetrachloroethane
 Concen: 212.925 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

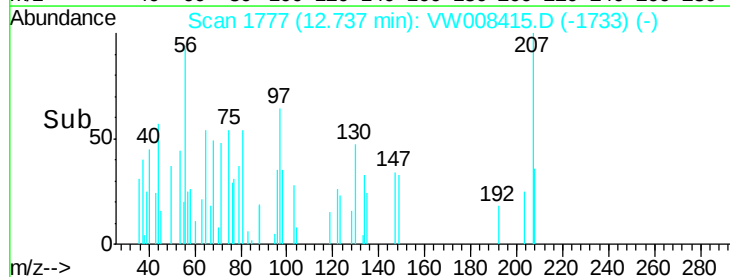
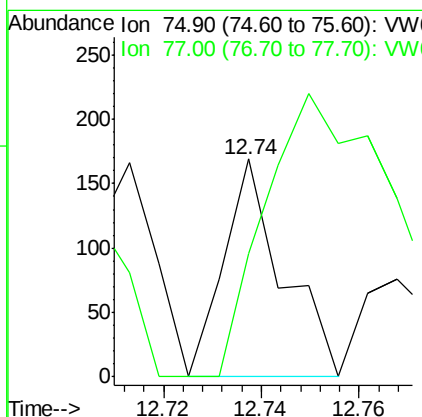
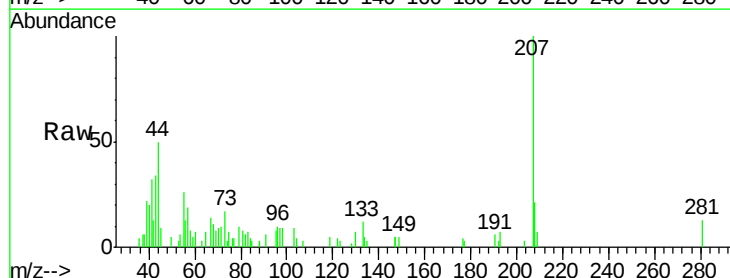
Instrument :
 MSVOA_W
 ClientSampled :
 S4

Tot Ion	83	131	85	Resp	191
Ion Ratio	100	0.0	101.6	Lower	Upper
				5.5	16.4#
				31.9	95.5#



#76
 1,2,3-Trichloropropane
 Concen: 213.388 ug/l
 RT: 12.74 min Scan# 1777
 Delta R.T. -0.03 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

Tgt Ion	75	77	Resp	141
Ion Ratio	100	276.6	Lower	Upper
			180.7	542.1





#77

Bromobenzene

Concen: 31.518 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.04 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

S4

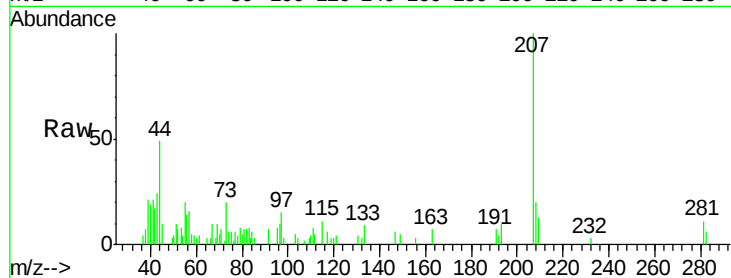
Tot Ion:156 Resp: 39

Ion Ratio Lower Upper

156 100

77 0.0 96.9 290.7#

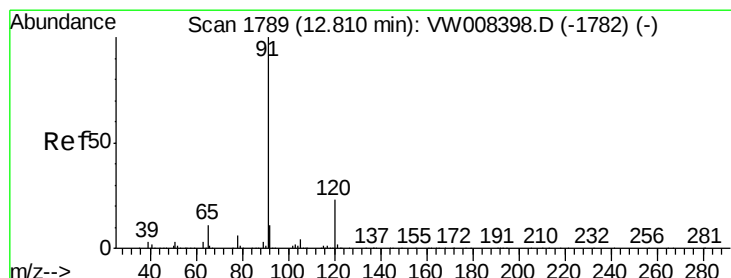
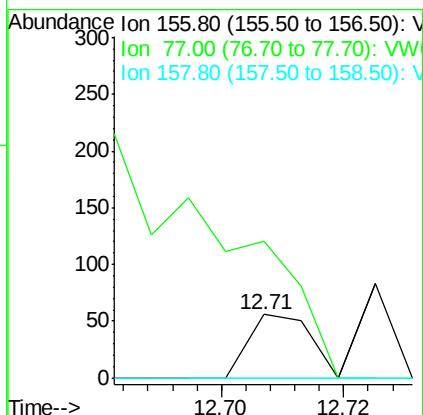
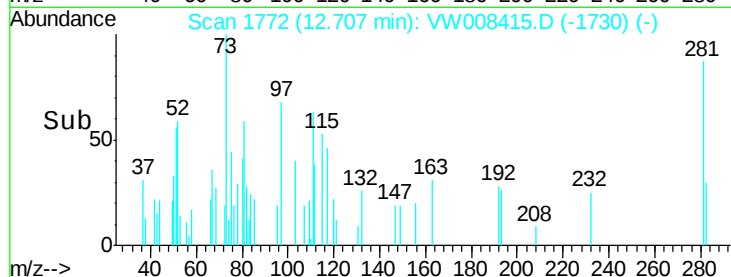
158 0.0 48.8 146.4#



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: 37.325 ug/l

RT: 12.84 min Scan# 1794

Delta R.T. 0.03 min

Lab File: VW008415.D

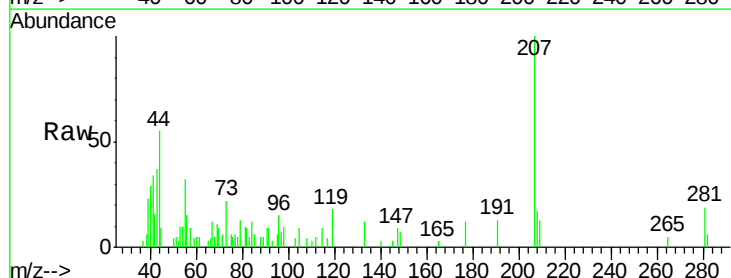
Acq: 25 Jan 2019 17:00

Tgt Ion: 91 Resp: 254

Ion Ratio Lower Upper

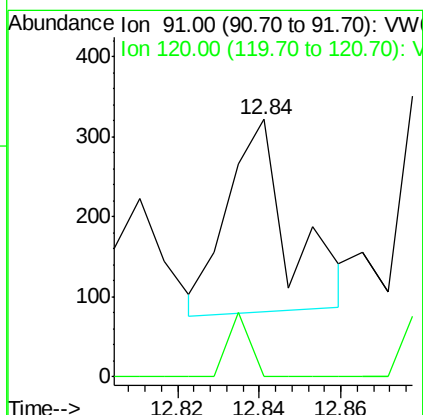
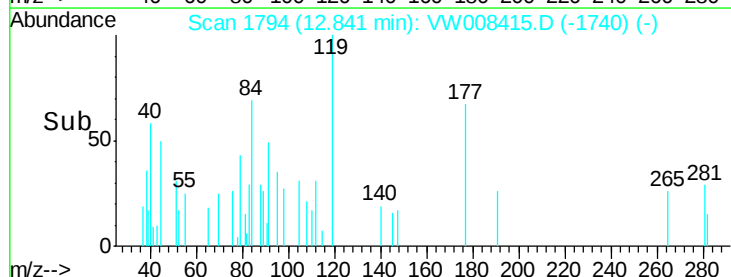
91 100

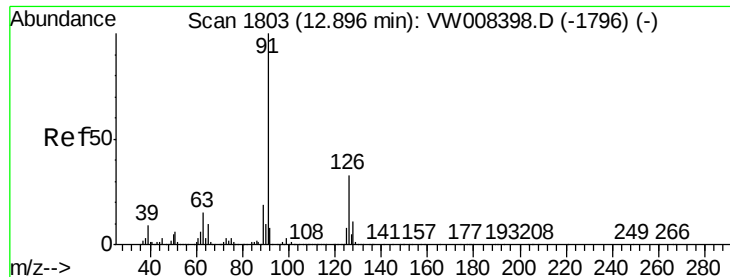
120 11.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

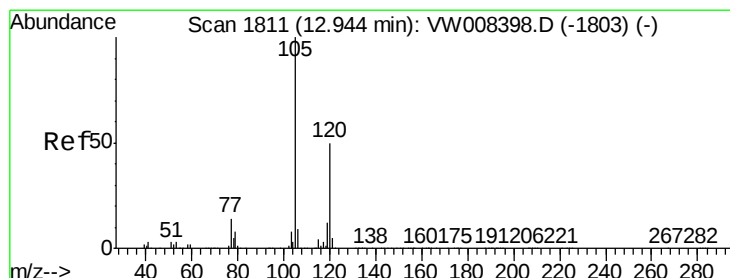
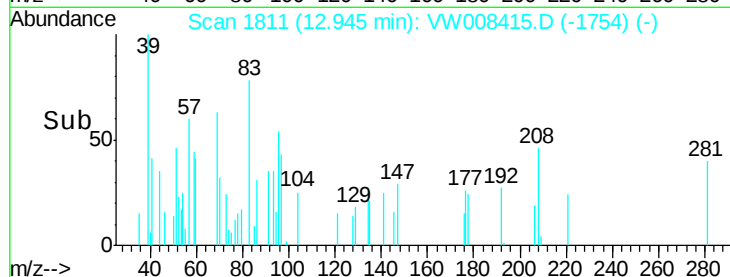
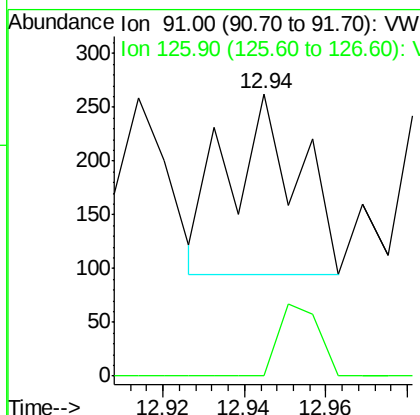
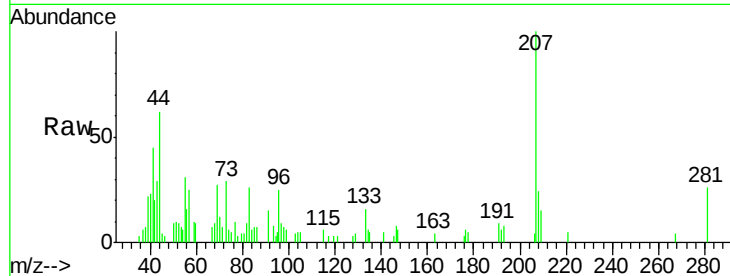




#79
 2-Chlorotoluene
 Concen: 52.863 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.05 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

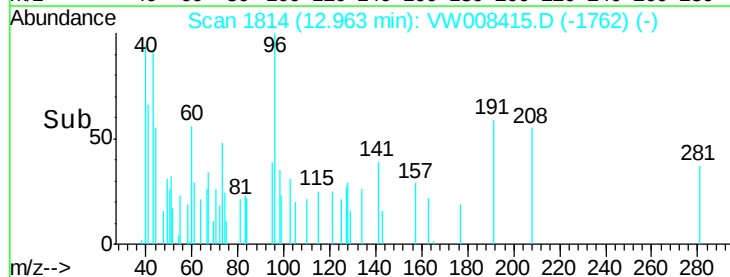
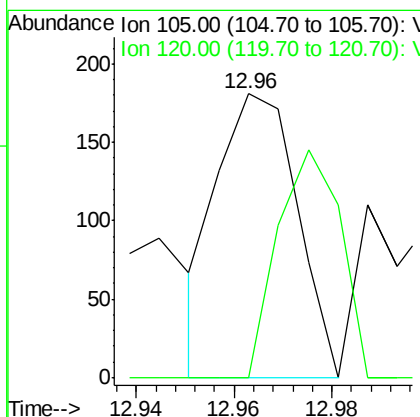
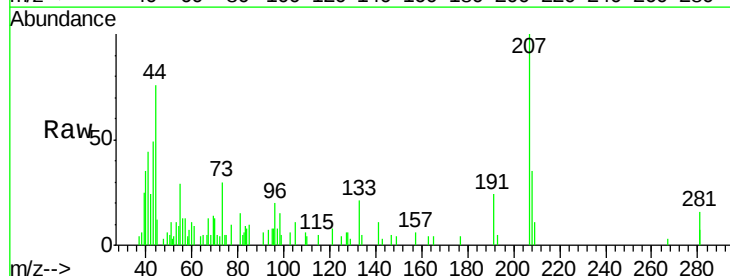
Instrument :
 MSVOA_W
 ClientSampled :
 S4

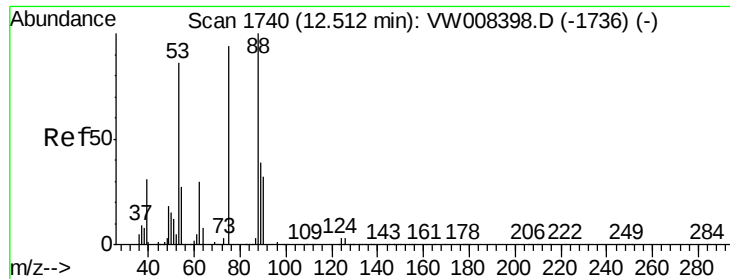
Tot Ion: 91 Resp: 203
 Ion Ratio Lower Upper
 91 100
 126 22.7 16.5 49.5



#80
 1,3,5-Trimethylbenzene
 Concen: 43.076 ug/l
 RT: 12.96 min Scan# 1814
 Delta R.T. 0.02 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

Tgt Ion: 105 Resp: 204
 Ion Ratio Lower Upper
 105 100
 120 63.2 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 756.235 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

S4

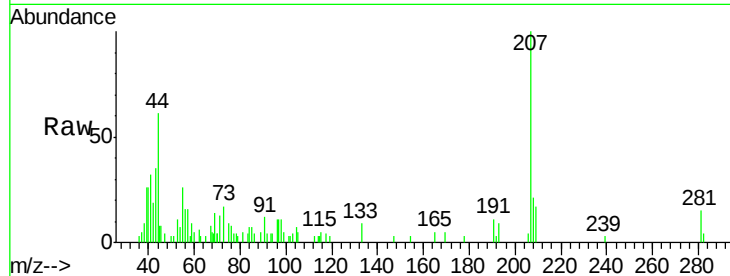
Tot Ion: 75 Resp: 253

Ion Ratio Lower Upper

75 100

53 99.2 76.0 114.0

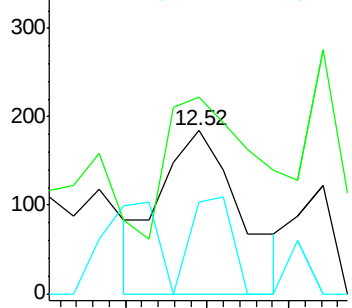
89 30.8 35.4 53.0#



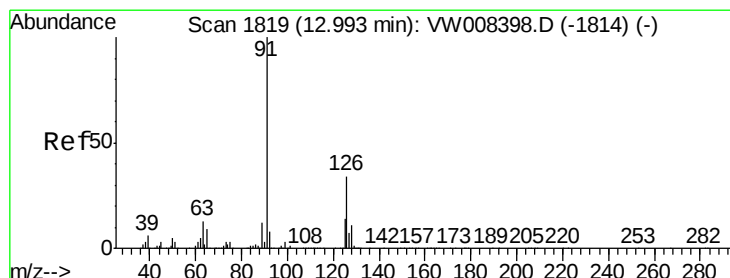
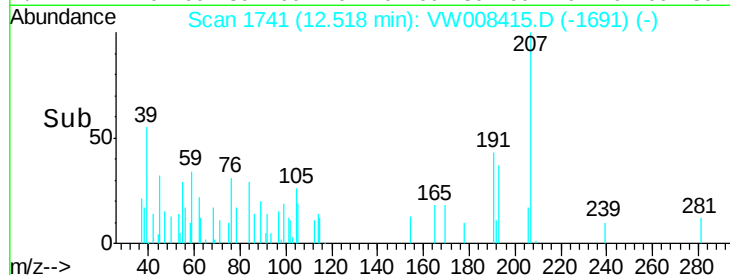
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



Time-->



#82

4-Chlorotoluene

Concen: 49.896 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.05 min

Lab File: VW008415.D

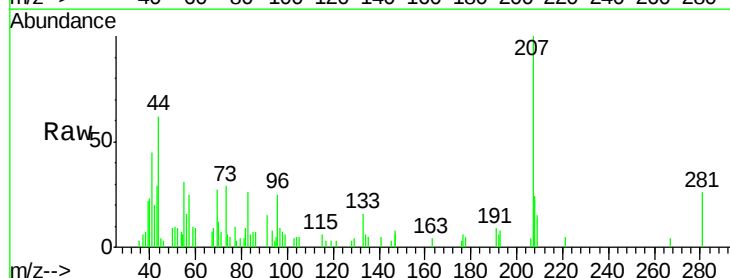
Acq: 25 Jan 2019 17:00

Tgt Ion: 91 Resp: 204

Ion Ratio Lower Upper

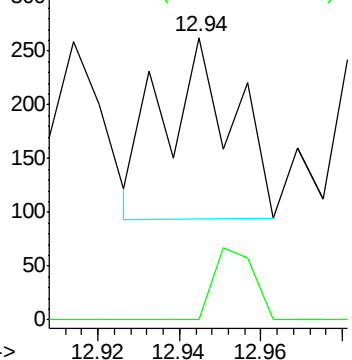
91 100

126 22.5 16.4 49.2

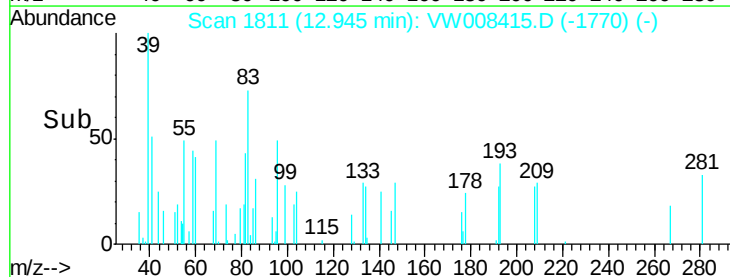


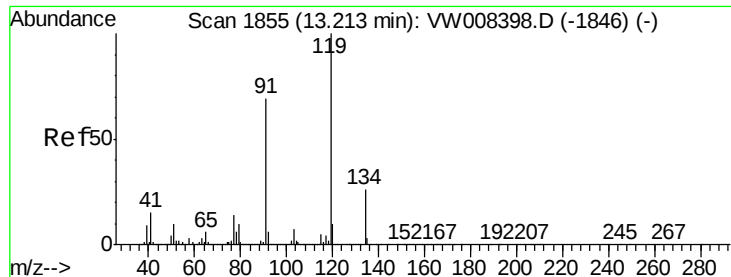
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



Time-->





#83

tert-Butylbenzene

Concen: 30.610 ug/l

RT: 13.30 min Scan# 1869

Delta R.T. 0.09 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

S4

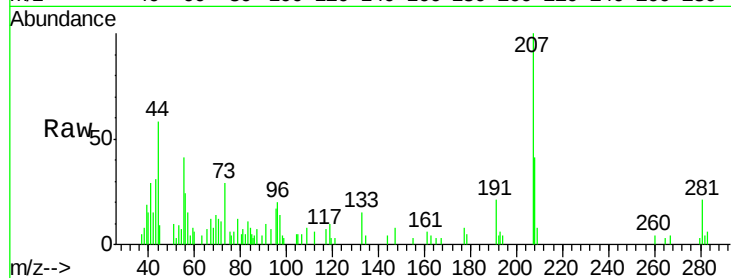
Tot Ion:119 Resp: 129

Ion Ratio Lower Upper

119 100

91 39.5 33.8 101.4

134 20.9 13.5 40.4

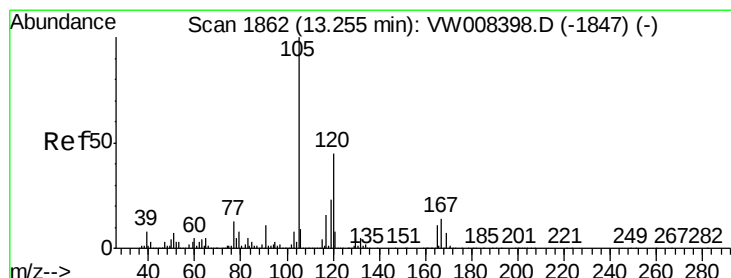
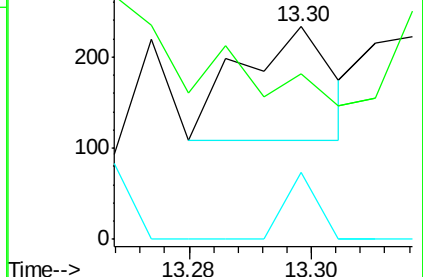
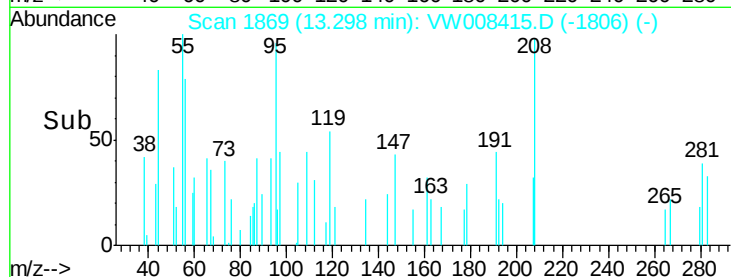


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 21.813 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008415.D

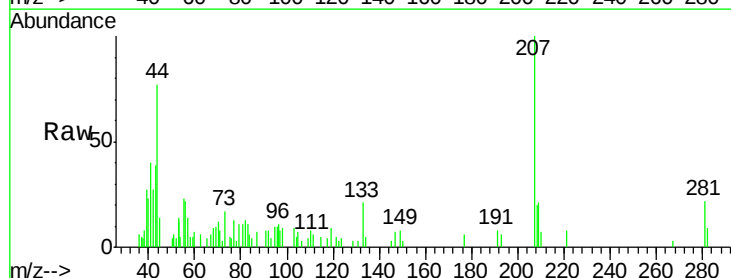
Acq: 25 Jan 2019 17:00

Tgt Ion:105 Resp: 105

Ion Ratio Lower Upper

105 100

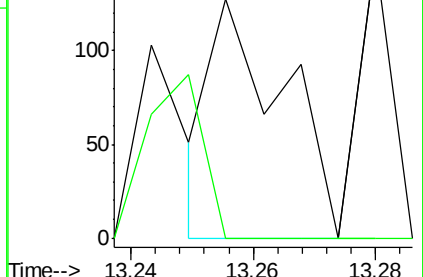
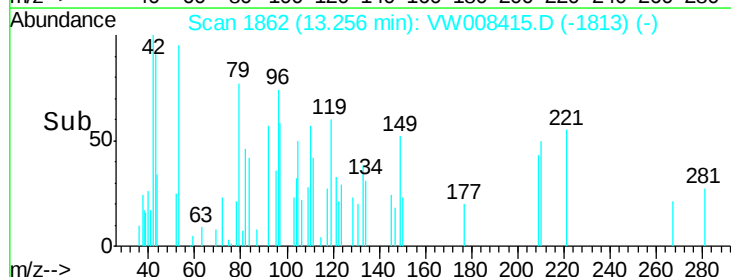
120 53.3 23.1 69.2

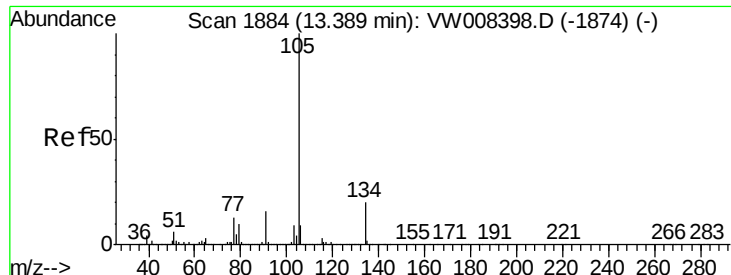


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->

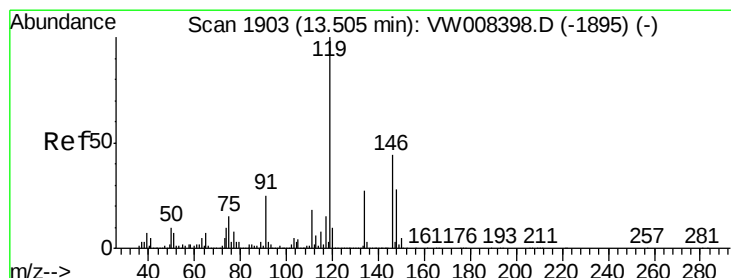
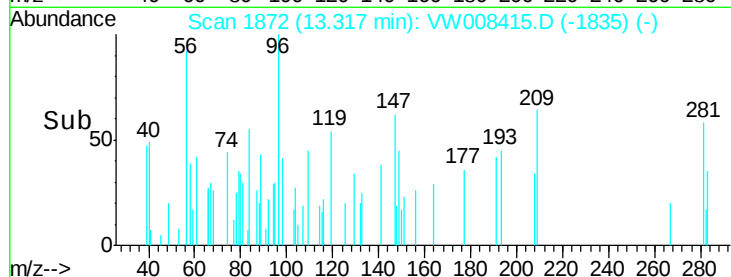
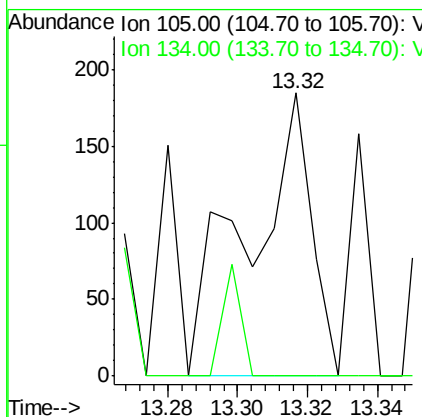
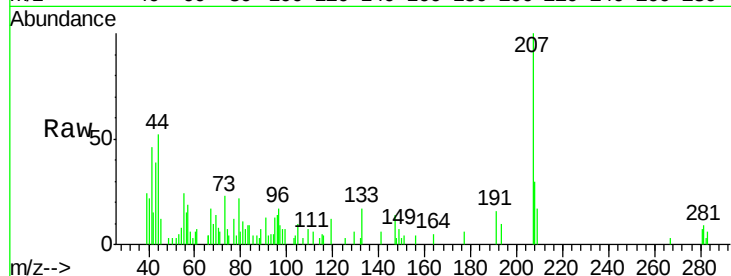




#85
 sec-Butylbenzene
 Concen: 38.713 ug/l
 RT: 13.32 min Scan# 1872
 Delta R.T. -0.07 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

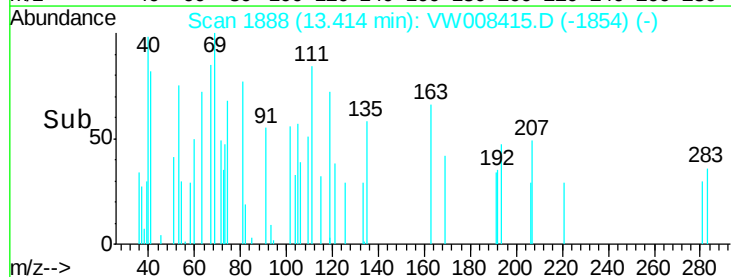
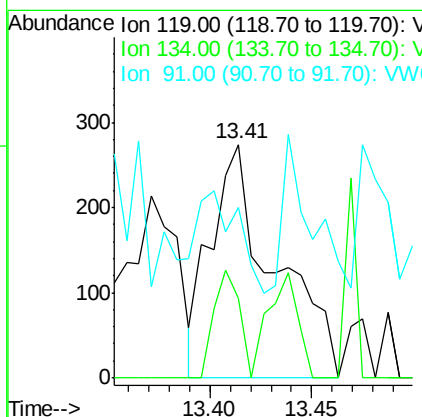
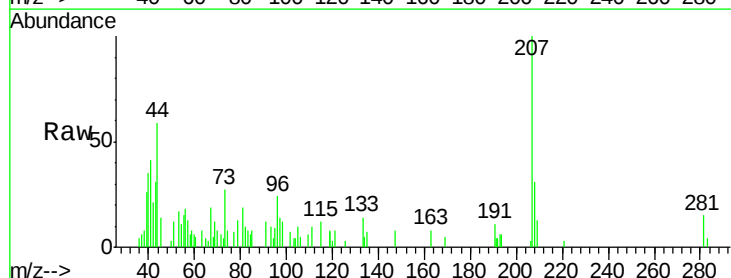
Instrument :
 MSVOA_W
 ClientSampled :
 S4

Tot Ion:105 Resp: 233
 Ion Ratio Lower Upper
 105 100
 134 11.6 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 112.482 ug/l
 RT: 13.41 min Scan# 1888
 Delta R.T. -0.09 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

Tgt Ion:119 Resp: 593
 Ion Ratio Lower Upper
 119 100
 134 18.5 13.4 40.2
 91 33.6 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 21.609 ug/l

RT: 13.55 min Scan# 1910

Delta R.T. 0.04 min

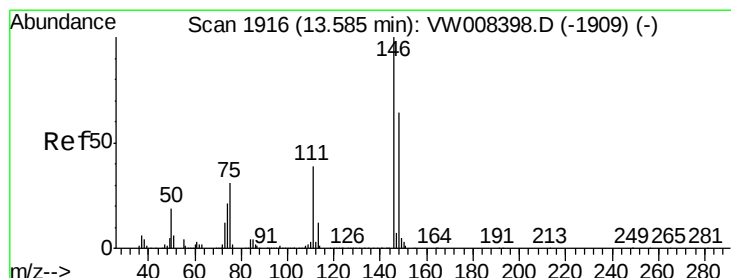
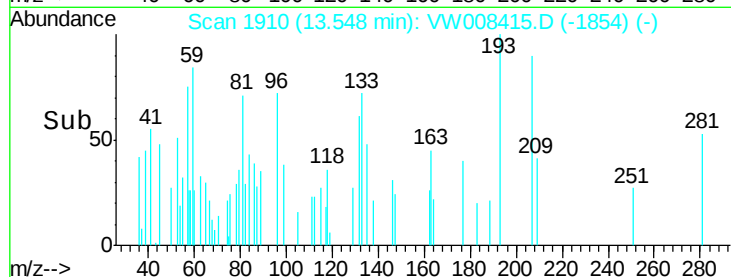
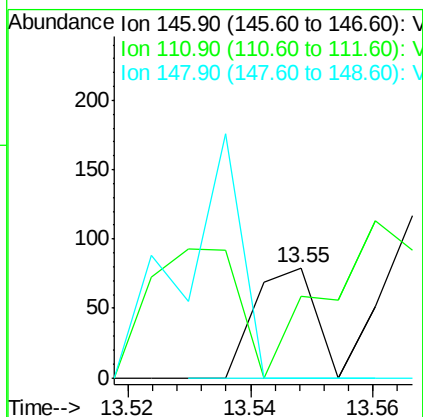
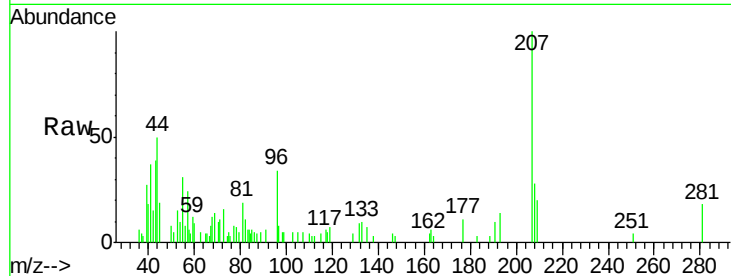
Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :
MSVOA_W
ClientSampled :
S4

Tot Ion:146 Resp: 54

Ion	Ratio	Lower	Upper
146	100		
111	174.1	20.3	60.9#
148	216.7	31.9	95.7#



#88

1,4-Dichlorobenzene

Concen: 24.964 ug/l

RT: 13.57 min Scan# 1913

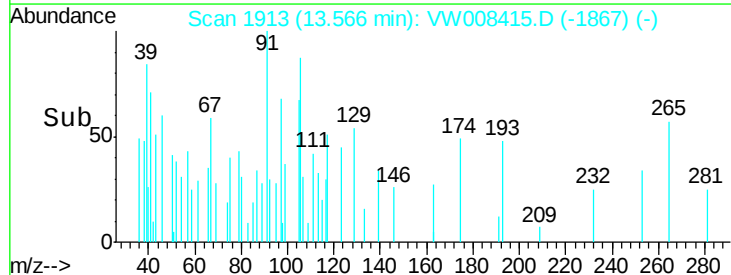
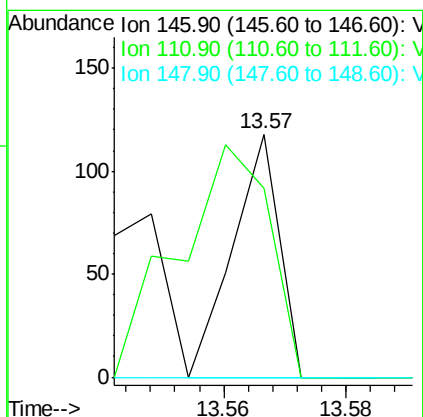
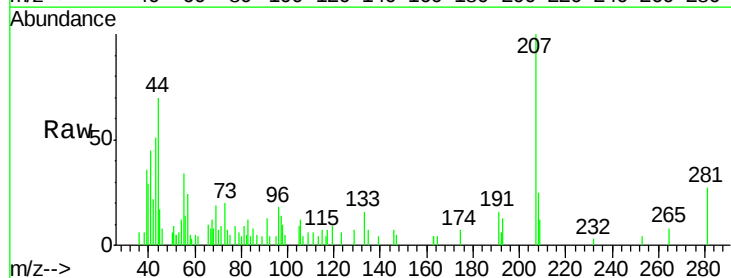
Delta R.T. -0.02 min

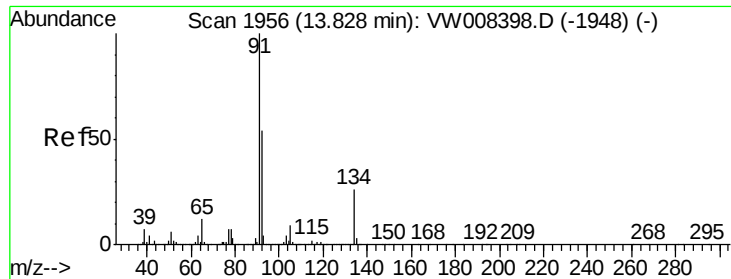
Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Tgt Ion:146 Resp: 62

Ion	Ratio	Lower	Upper
146	100		
111	188.7	20.0	60.0#
148	0.0	32.0	96.2#

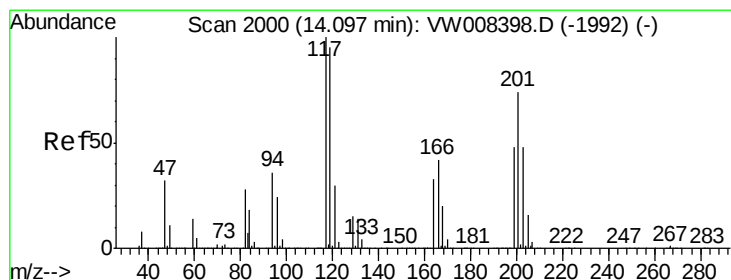
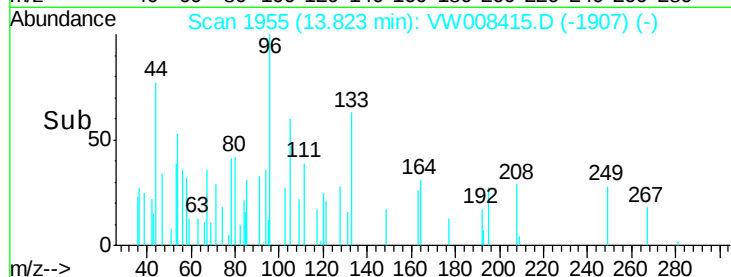
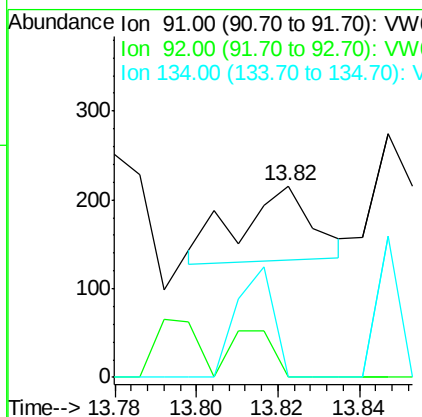
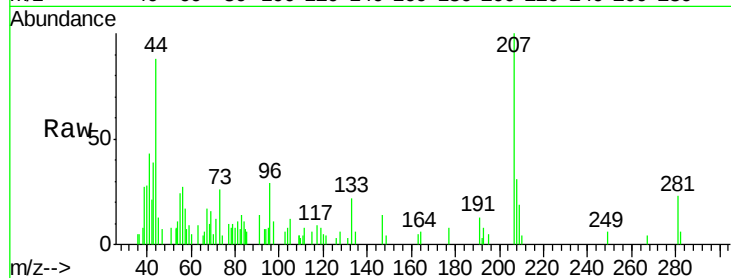




#89
n-Butylbenzene
Concen: 20.091 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

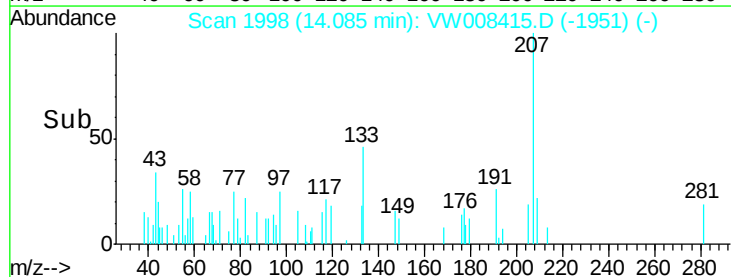
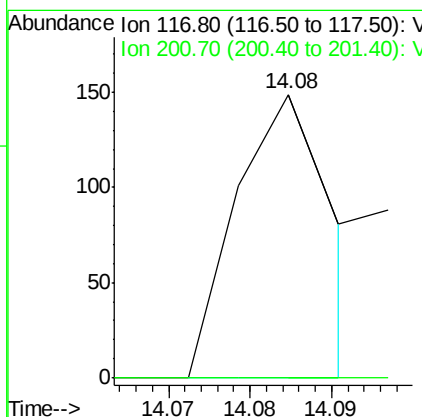
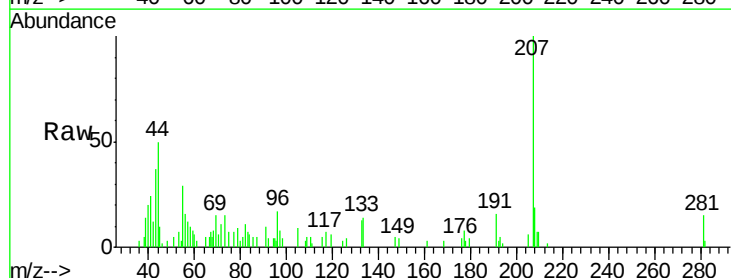
Instrument :
MSVOA_W
ClientSampled :
S4

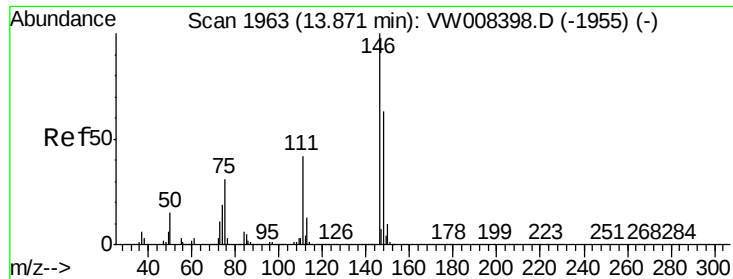
Tot Ion: 91 Resp: 104
Ion Ratio Lower Upper
91 100
92 36.5 27.4 82.2
134 75.0 13.0 39.0#



#90
Hexachloroethane
Concen: 117.363 ug/l
RT: 14.08 min Scan# 1998
Delta R.T. -0.01 min
Lab File: VW008415.D
Acq: 25 Jan 2019 17:00

Tgt Ion: 117 Resp: 121
Ion Ratio Lower Upper
117 100
201 0.0 39.1 117.5#





#91

1,2-Dichlorobenzene

Concen: 31.657 ug/l

RT: 13.79 min Scan# 1949

Delta R.T. -0.09 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

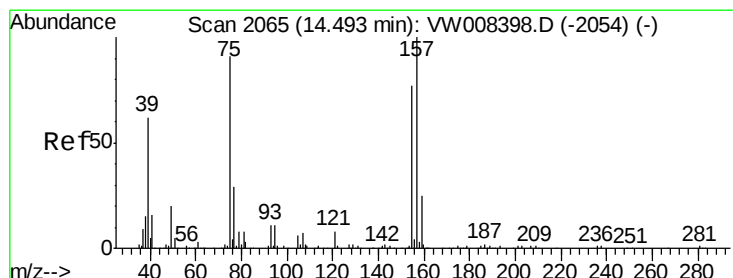
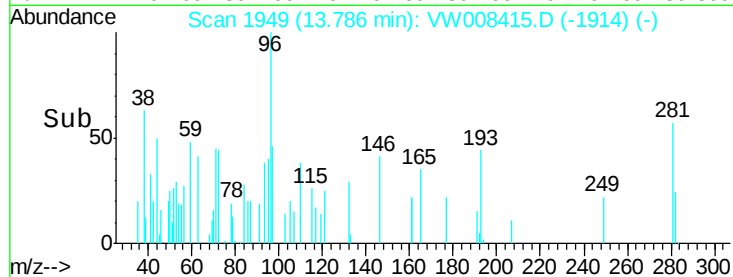
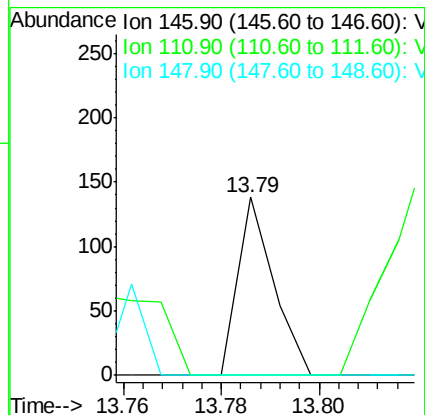
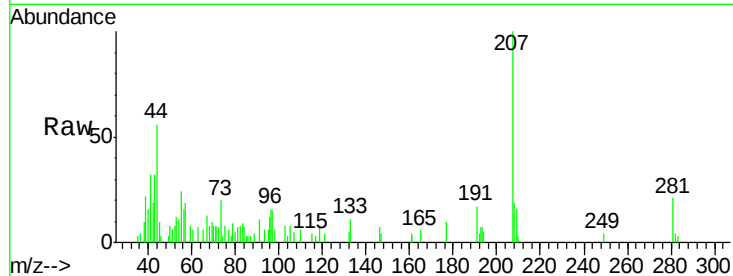
Instrument :

MSVOA_W

ClientSampled :

S4

Tot Ion:	146	Resp:	70
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.1	63.3#
148	0.0	31.9	95.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 658.040 ug/l

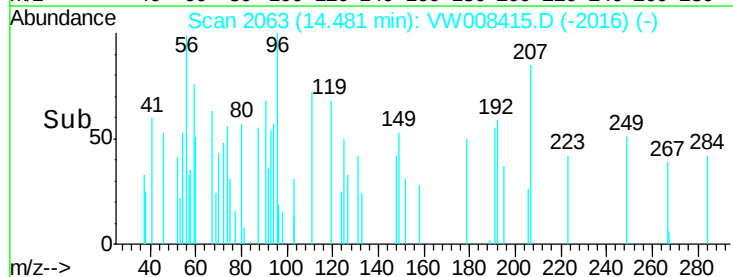
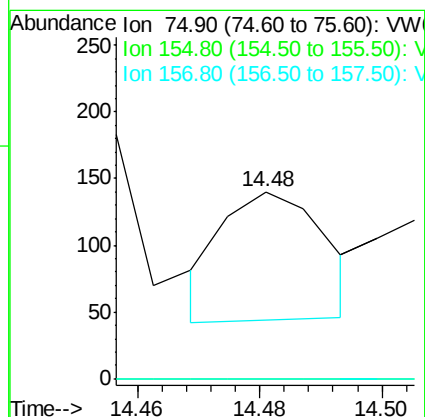
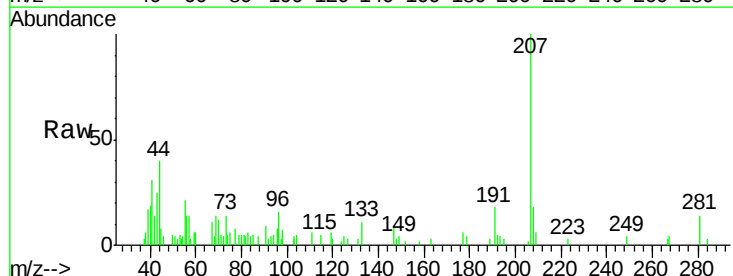
RT: 14.48 min Scan# 2063

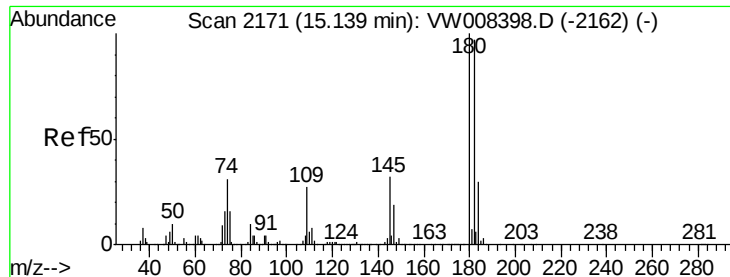
Delta R.T. -0.01 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Tgt Ion:	75	Resp:	112
Ion	Ratio	Lower	Upper
75	100		
155	0.0	42.7	128.1#
157	0.0	55.5	166.3#





#93

1,2,4-Trichlorobenzene

Concen: 59.572 ug/l

RT: 15.09 min Scan# 2163

Delta R.T. -0.05 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

S4

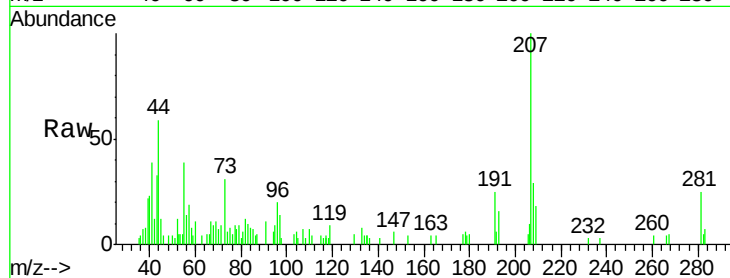
Tot Ion:180 Resp: 94

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.7#

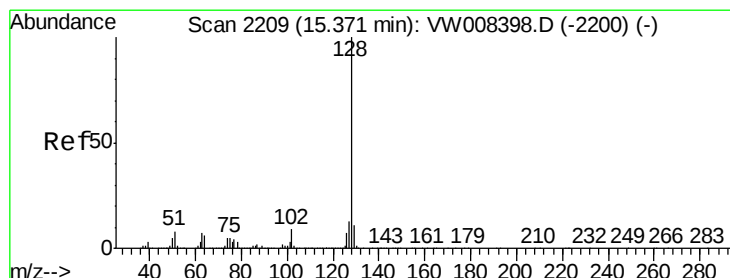
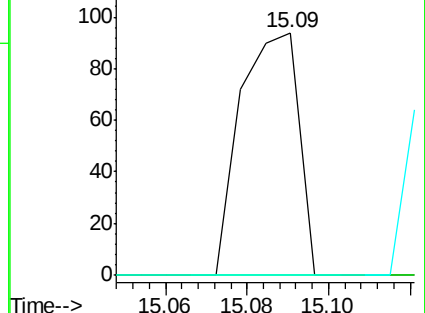
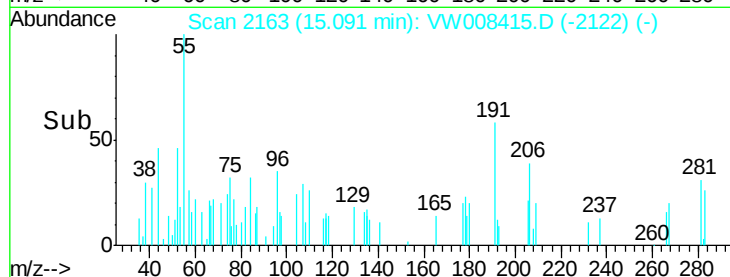
145 0.0 15.5 46.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 7.940 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008415.D

Acq: 25 Jan 2019 17:00

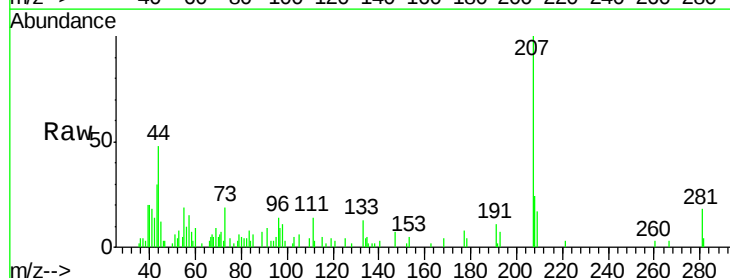
Tgt Ion:128 Resp: 22

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

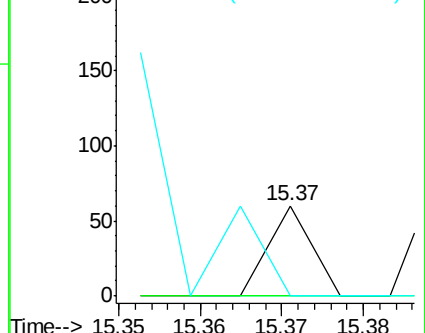
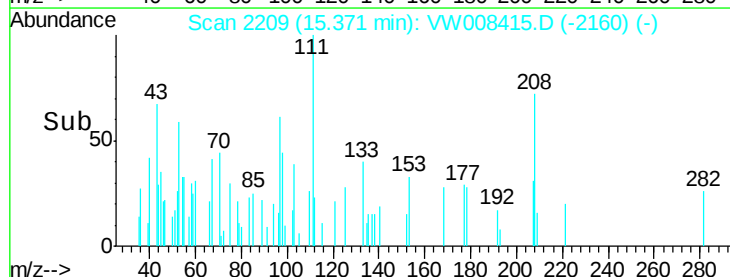
129 477.3 8.7 13.1#

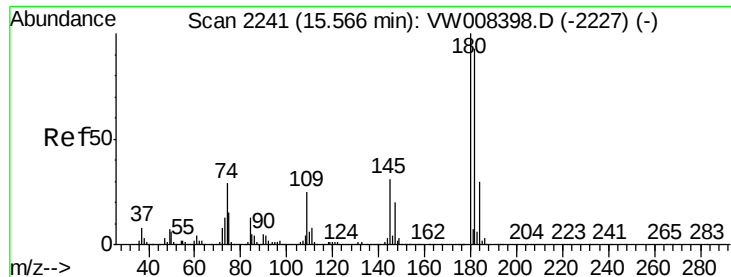


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

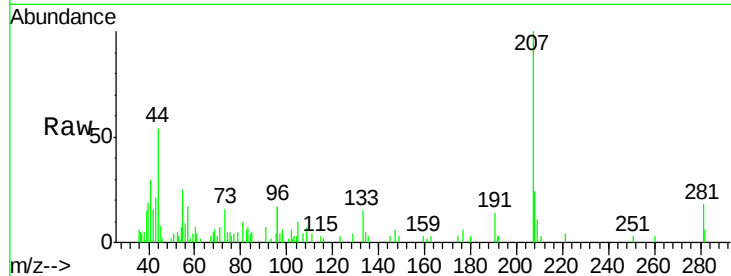




#96
 1,2,3-Trichlorobenzene
 Concen: 19.425 ug/l
 RT: 15.31 min Scan# 2199
 Delta R.T. -0.26 min
 Lab File: VW008415.D
 Acq: 25 Jan 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 S4

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.0	141.2#
145	234.6	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

