

Data File : VW008397.D
Acq On : 24 Jan 2019 15:16
Operator : SY/VA
Sample : VSTDIC020
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Quant Time: Jan 25 10:47:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 10:41:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	593744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	932510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	832123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	422001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	100473	16.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.54%	
35) Dibromofluoromethane	7.88	113	97161	16.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.64%	
50) Toluene-d8	10.32	98	377374	16.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.28%	
62) 4-Bromofluorobenzene	12.62	95	144725	17.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	51018	13.637	ug/l	98
3) Chloromethane	2.21	50	81296	14.824	ug/l	97
4) Vinyl Chloride	2.36	62	108270	15.451	ug/l	99
5) Bromomethane	2.78	94	69115	13.015	ug/l	89
6) Chloroethane	2.92	64	64281	14.015	ug/l	100
7) Trichlorofluoromethane	3.25	101	77100	14.985	ug/l	100
8) Diethyl Ether	3.68	74	53543	15.007	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	93477	15.605	ug/l	95
10) Methyl Iodide	4.26	142	152795	15.816	ug/l	99
11) Tert butyl alcohol	5.17	59	42032	101.074	ug/l #	81
12) 1,1-Dichloroethene	4.03	96	99598	16.348	ug/l	99
13) Acrolein	3.89	56	43445	115.213	ug/l	99
14) Allyl chloride	4.66	41	187547	18.414	ug/l	97
15) Acrylonitrile	5.36	53	116647	85.112	ug/l	98
16) Acetone	4.12	43	112993	78.776	ug/l	100
17) Carbon Disulfide	4.37	76	307036	16.562	ug/l	99
18) Methyl Acetate	4.67	43	62512	16.315	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	167089	17.916	ug/l	96
20) Methylene Chloride	4.91	84	110375	14.491	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	110638	16.169	ug/l	98
22) Diisopropyl ether	6.31	45	351458	17.675	ug/l	99
23) Vinyl Acetate	6.25	43	1041444	97.981	ug/l	99
24) 1,1-Dichloroethane	6.21	63	201794	16.667	ug/l	99
25) 2-Butanone	7.17	43	163753	89.135	ug/l	98
26) 2,2-Dichloropropane	7.17	77	138119	17.877	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	120206	16.214	ug/l	99
28) Bromochloromethane	7.51	49	97223	19.491	ug/l	100
29) Tetrahydrofuran	7.53	42	103142	90.057	ug/l	98
30) Chloroform	7.68	83	196808	16.430	ug/l	99
31) Cyclohexane	7.95	56	207126	17.956	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	169547	16.865	ug/l	99
36) 1,1-Dichloropropene	8.08	75	165997	17.693	ug/l	100
37) Ethyl Acetate	7.25	43	72565	18.756	ug/l	98
38) Carbon Tetrachloride	8.07	117	162850	17.578	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	211901	18.988	ug/l	98
40) Benzene	8.32	78	451820	17.001	ug/l	99
41) Methacrylonitrile	7.48	41	41637	18.487	ug/l	95
42) 1,2-Dichloroethane	8.40	62	130053	17.501	ug/l	98
43) Isopropyl Acetate	8.43	43	150119	20.542	ug/l	98
44) Trichloroethene	9.09	130	123568	16.971	ug/l	98
45) 1,2-Dichloropropane	9.37	63	111394	16.874	ug/l	98
46) Dibromomethane	9.46	93	57859	16.817	ug/l	98
47) Bromodichloromethane	9.65	83	151874	17.895	ug/l	99
48) Methyl methacrylate	9.44	41	73445	21.349	ug/l	97
49) 1,4-Dioxane	9.45	88	19129	345.373	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	366180	98.956	ug/l	100
52) Toluene	10.39	92	291336	17.323	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	164048	19.367	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	184230	18.450	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	81102	16.995	ug/l	98
56) Ethyl methacrylate	10.65	69	109748	19.582	ug/l	100
57) 1,3-Dichloropropane	10.93	76	143940	17.372	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	282092	104.350	ug/l	99
59) 2-Hexanone	10.97	43	259093	99.929	ug/l	99
60) Dibromochloromethane	11.13	129	102928	18.072	ug/l	98
61) 1,2-Dibromoethane	11.24	107	79418	17.186	ug/l	99
64) Tetrachloroethene	10.86	164	103891	17.806	ug/l	97
65) Chlorobenzene	11.66	112	318175	17.530	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	112662	18.035	ug/l	99
67) Ethyl Benzene	11.73	91	572555	18.168	ug/l	99
68) m/p-Xylenes	11.84	106	442501	36.174	ug/l	99
69) o-Xylene	12.17	106	208191	18.217	ug/l	100
70) Styrene	12.18	104	342686	18.668	ug/l	98
71) Bromoform	12.35	173	63527	20.414	ug/l #	98
73) Isopropylbenzene	12.47	105	576556	18.751	ug/l	99
74) N-amyl acetate	12.27	43	147307	22.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	93189	17.818	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	133427	34.720	ug/l	19
77) Bromobenzene	12.75	156	127889	17.316	ug/l	98
78) n-propylbenzene	12.80	91	696542	18.716	ug/l	98
79) 2-Chlorotoluene	12.90	91	387057	18.202	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	482933	18.822	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34209	21.243	ug/l	98
82) 4-Chlorotoluene	12.99	91	411720	18.529	ug/l	100
83) tert-Butylbenzene	13.21	119	429247	19.007	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	497009	19.015	ug/l	99
85) sec-Butylbenzene	13.39	105	611488	18.859	ug/l	100
86) p-Isopropyltoluene	13.51	119	539009	19.033	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	256825	17.501	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	254092	17.283	ug/l	99
89) n-Butylbenzene	13.83	91	527705	19.426	ug/l	99
90) Hexachloroethane	14.10	117	105760	20.180	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	227417	17.553	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17972	21.015	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012419\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

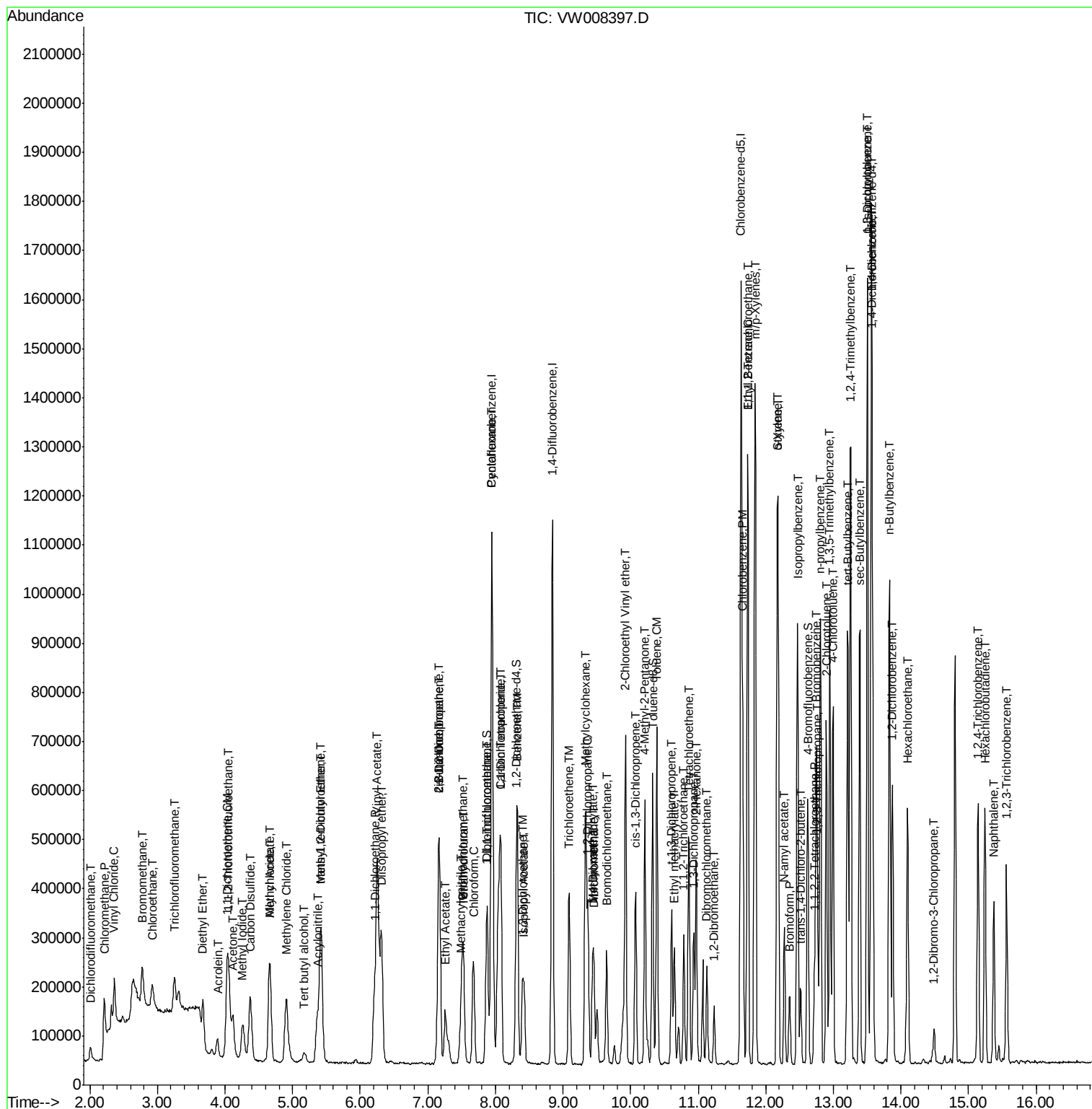
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	165376	18.856	ug/l	99
94) Hexachlorobutadiene	15.24	225	98200	19.867	ug/l	99
95) Naphthalene	15.37	128	287564	19.621	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	137893	18.050	ug/l	99

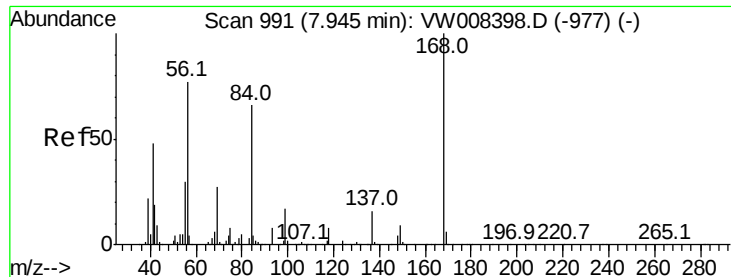
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

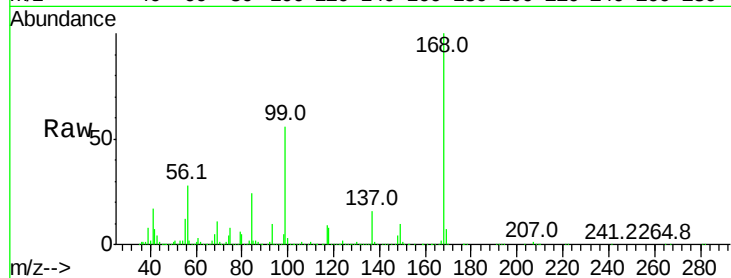
VSTDIC020

Tgt Ion:168 Resp: 593744

Ion Ratio Lower Upper

168 100

99 55.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

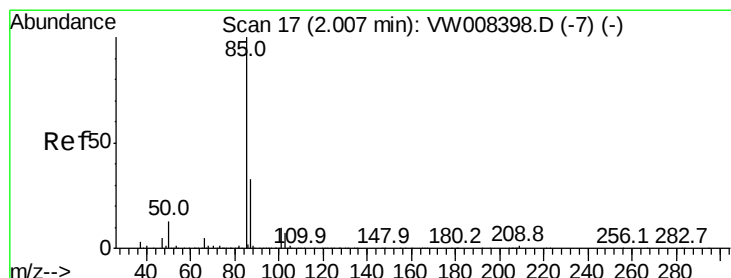
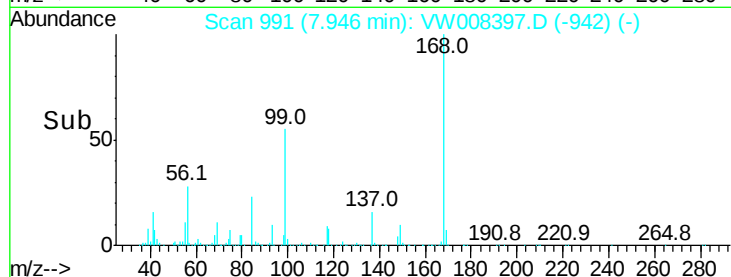
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 13.637 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008397.D

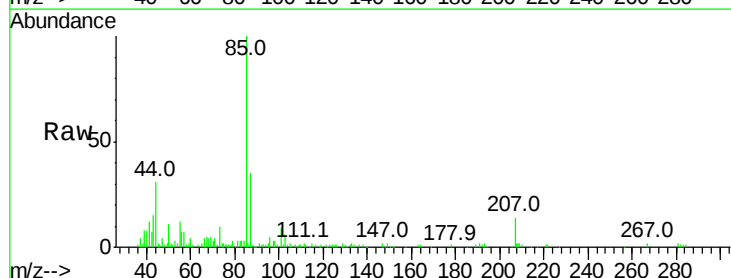
Acq: 24 Jan 2019 15:16

Tgt Ion: 85 Resp: 51018

Ion Ratio Lower Upper

85 100

87 34.6 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

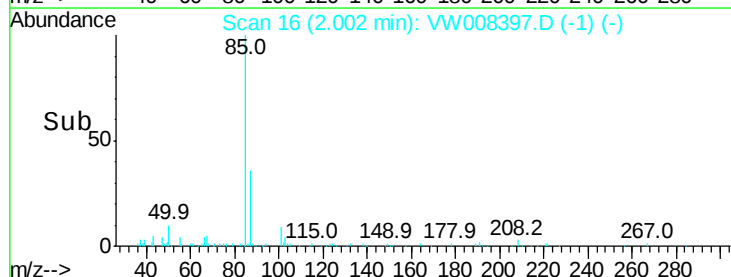
15000

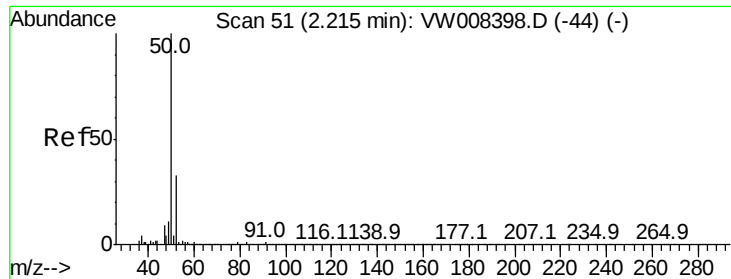
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 14.824 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

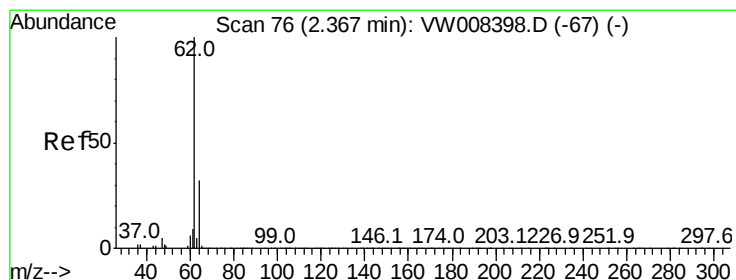
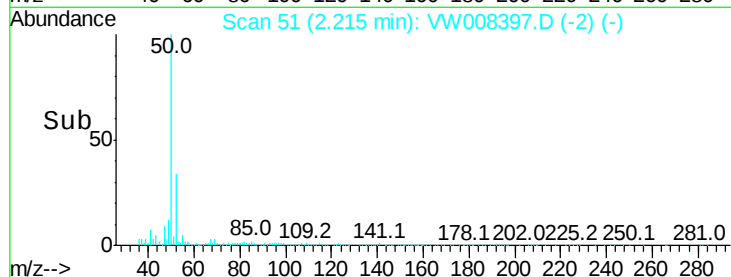
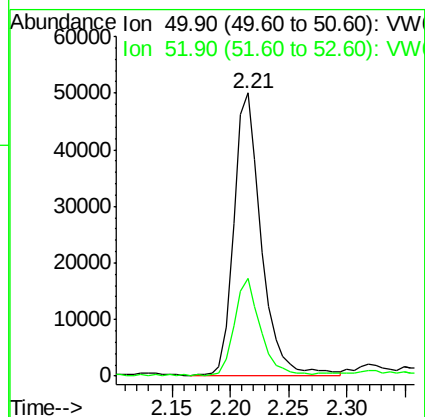
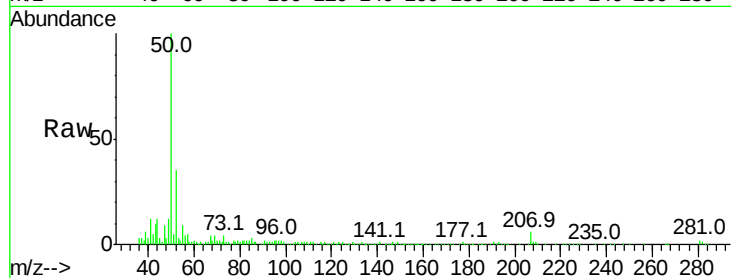
VSTDIC020

Tgt Ion: 50 Resp: 81296

Ion Ratio Lower Upper

50 100

52 34.4 26.3 39.5



#4

Vinyl Chloride

Concen: 15.451 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008397.D

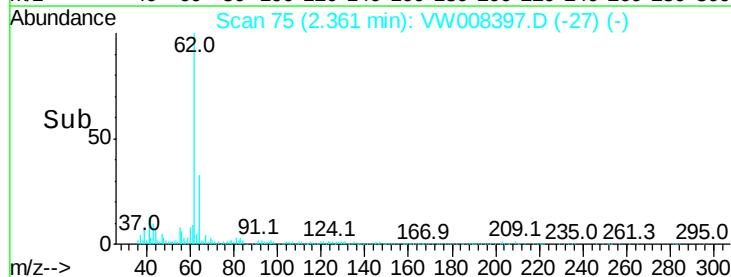
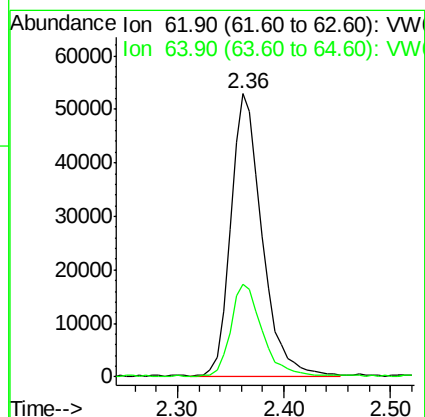
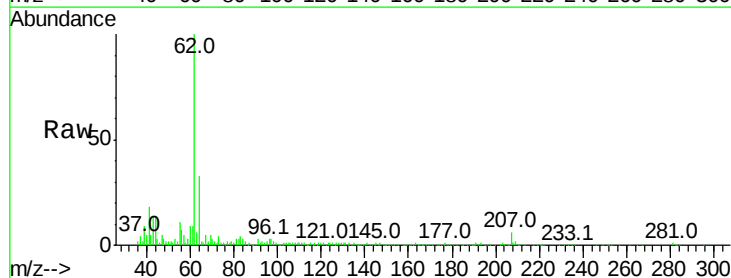
Acq: 24 Jan 2019 15:16

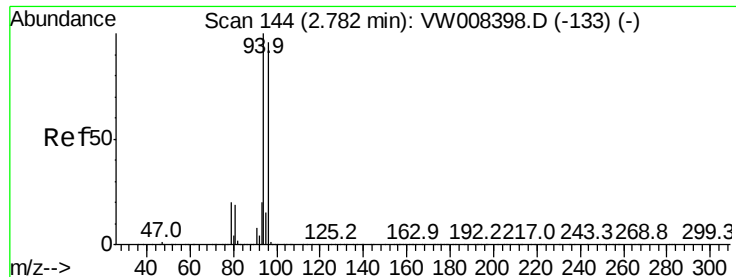
Tgt Ion: 62 Resp: 108270

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 13.015 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

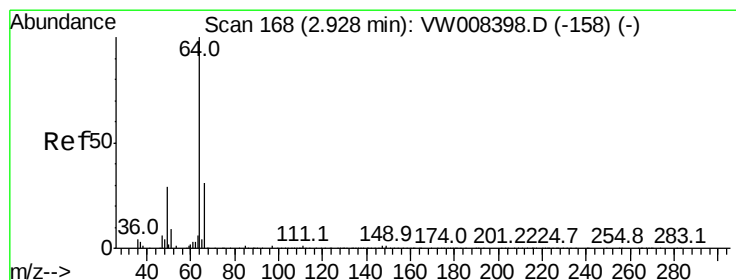
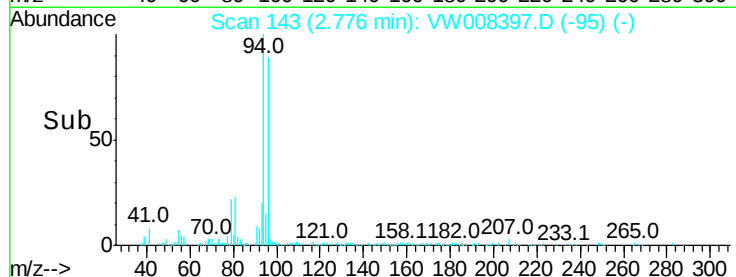
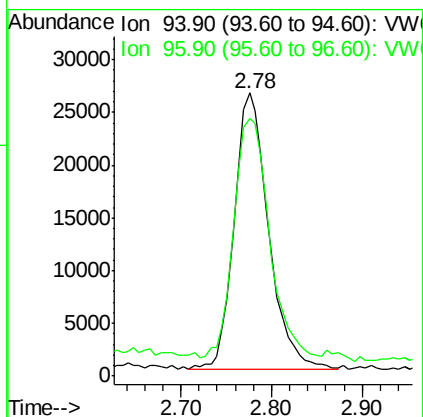
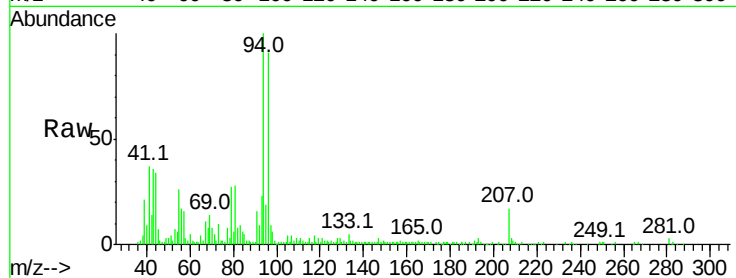
VSTDIC020

Tgt Ion: 94 Resp: 69115

Ion Ratio Lower Upper

94 100

96 85.9 77.2 115.8



#6

Chloroethane

Concen: 14.015 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008397.D

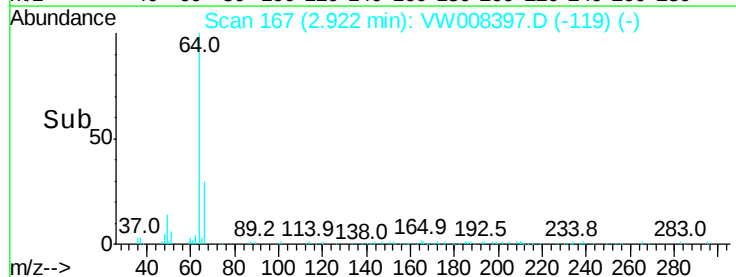
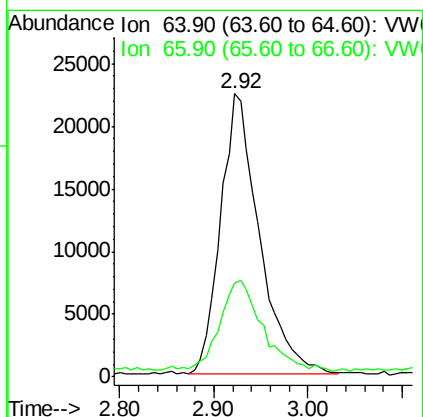
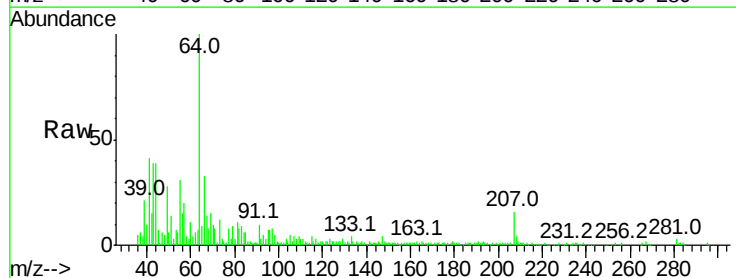
Acq: 24 Jan 2019 15:16

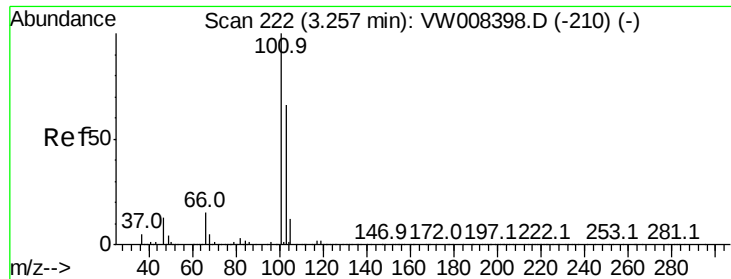
Tgt Ion: 64 Resp: 64281

Ion Ratio Lower Upper

64 100

66 30.9 24.9 37.3



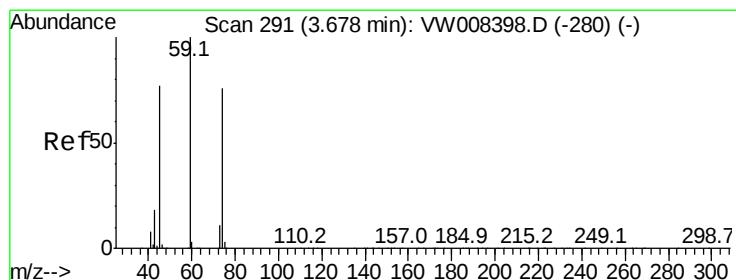
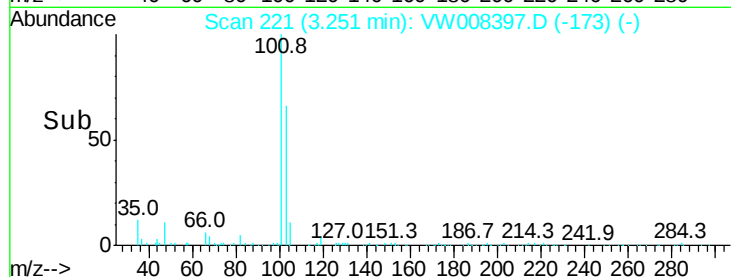
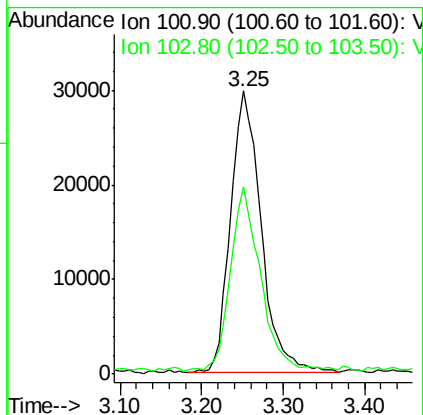
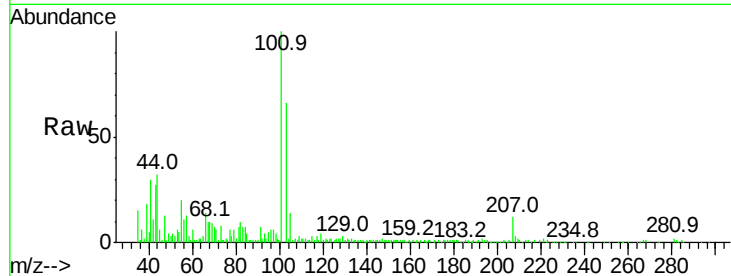


#7

Trichlorofluoromethane
Concen: 14.985 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008397.D
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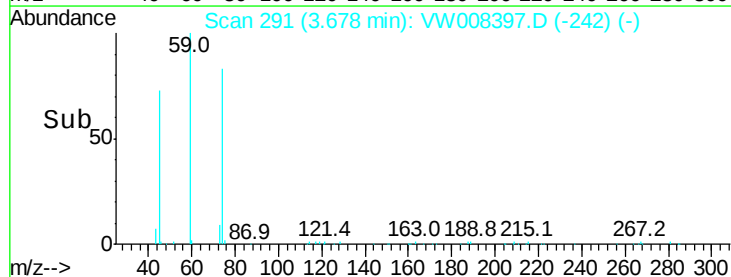
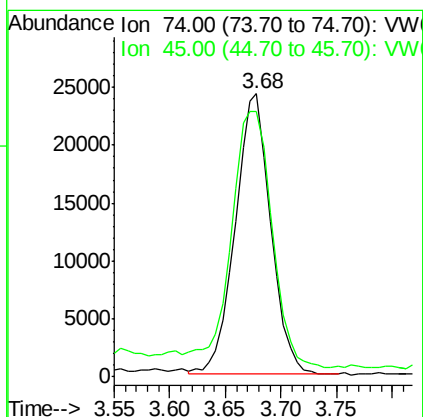
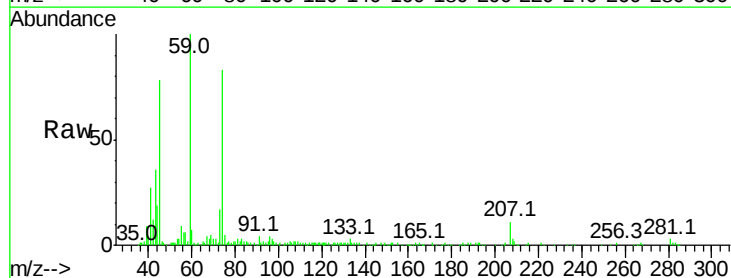
Tgt Ion:101 Resp: 77100
Ion Ratio Lower Upper
101 100
103 65.2 52.5 78.7

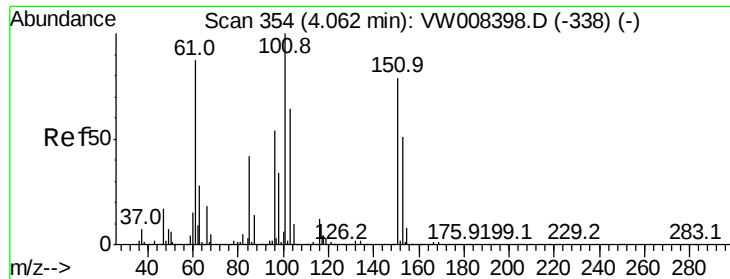


#8

Diethyl Ether
Concen: 15.007 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008397.D
Acq: 24 Jan 2019 15:16

Tgt Ion: 74 Resp: 53543
Ion Ratio Lower Upper
74 100
45 102.3 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.605 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

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VSTDIC020

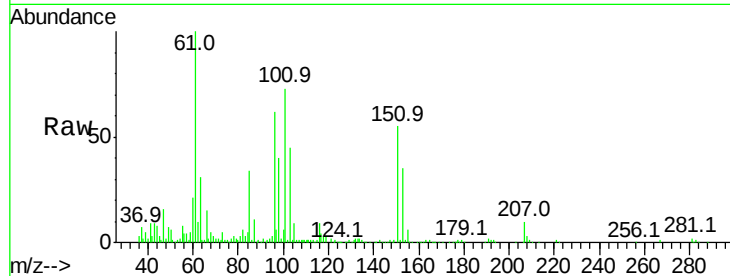
Tgt Ion:101 Resp: 93477

Ion Ratio Lower Upper

101 100

85 43.1 35.0 52.4

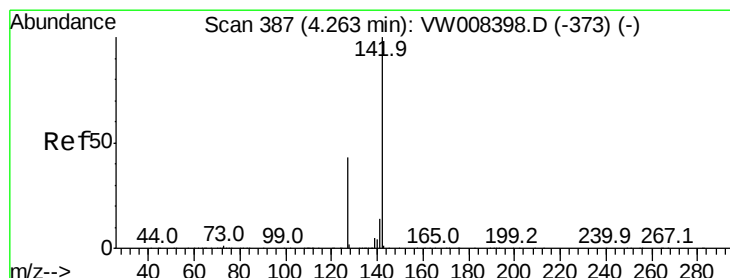
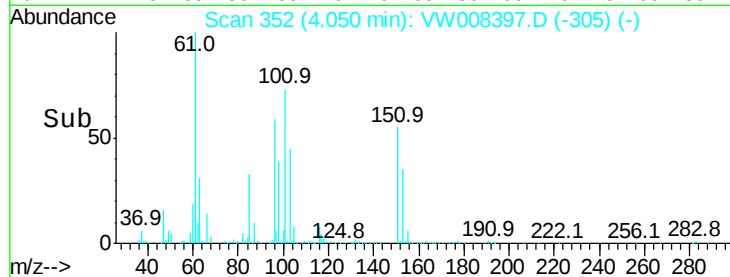
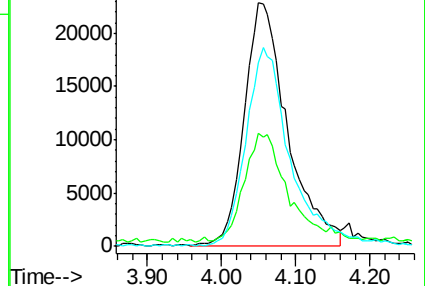
151 84.1 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.816 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

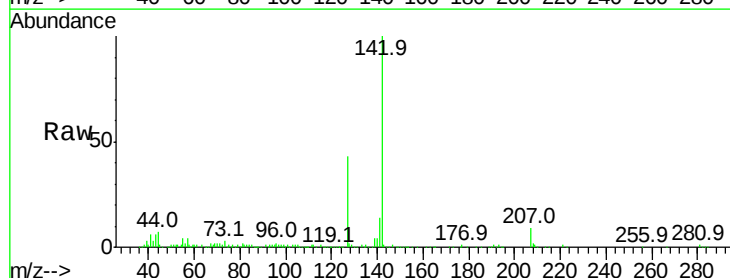
Tgt Ion:142 Resp: 152795

Ion Ratio Lower Upper

142 100

127 43.0 34.6 52.0

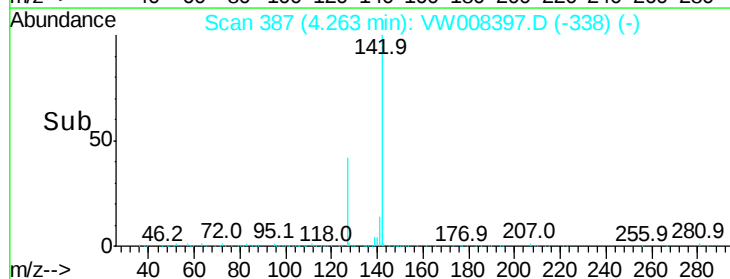
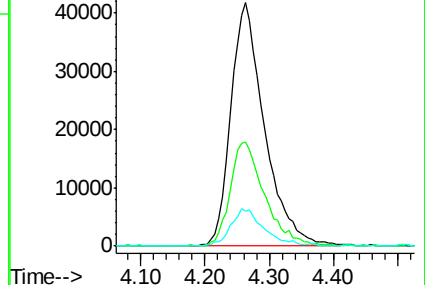
141 15.5 11.4 17.2

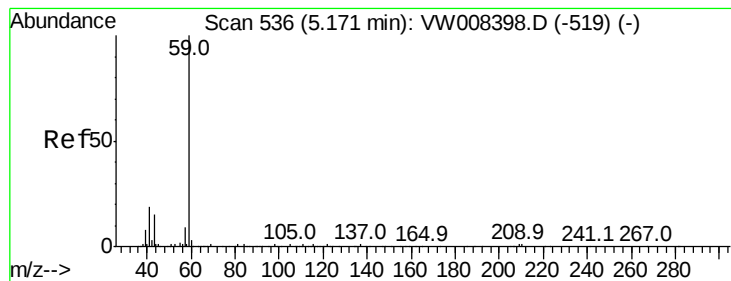


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



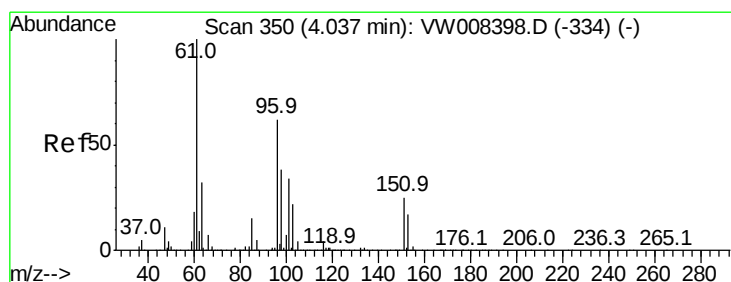
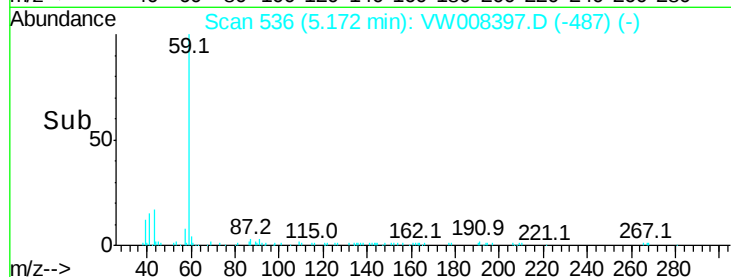
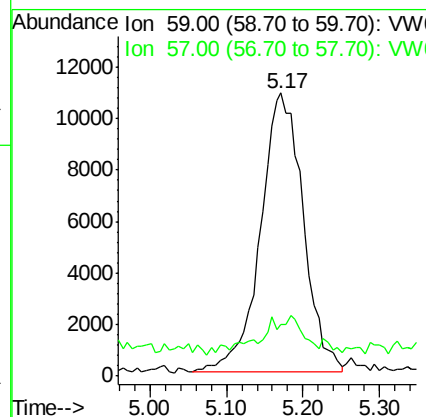
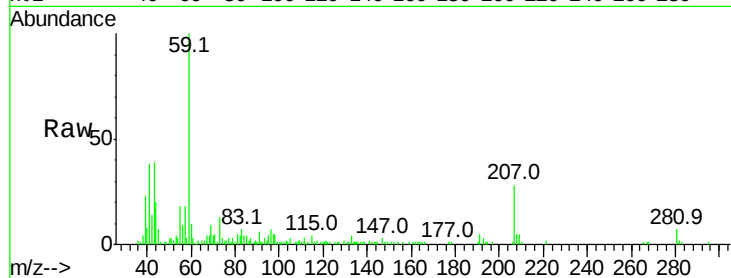


#11

Tert butyl alcohol
 Concen: 101.074 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW008397.D
 Acq: 24 Jan 2019 15:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

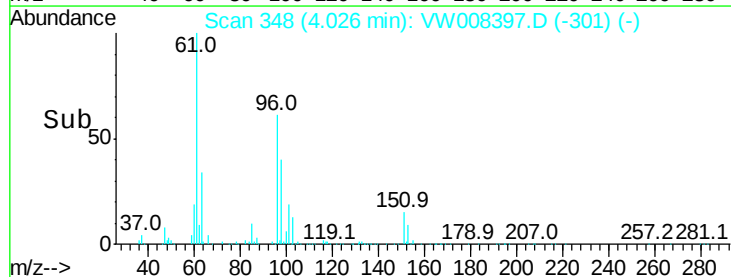
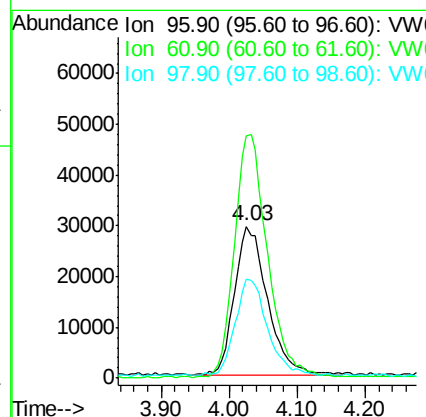
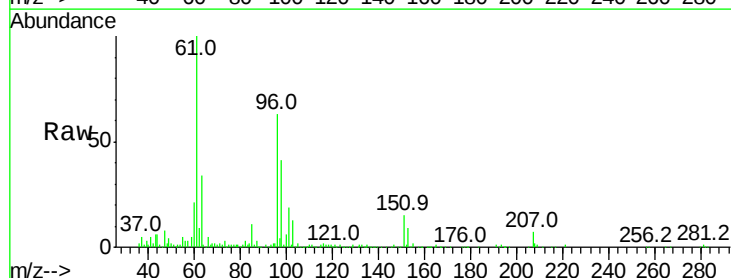
Tgt Ion: 59 Resp: 42032
 Ion Ratio Lower Upper
 59 100
 57 4.4 9.3 13.9#

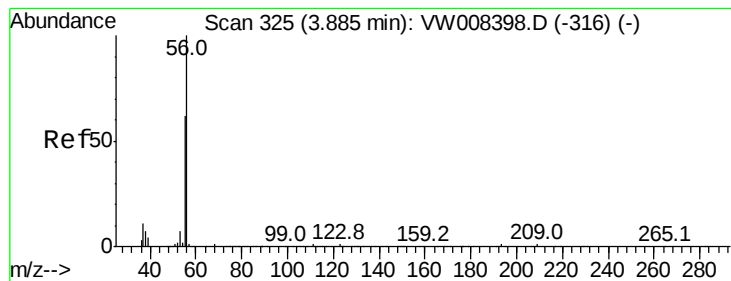


#12

1,1-Dichloroethene
 Concen: 16.348 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW008397.D
 Acq: 24 Jan 2019 15:16

Tgt Ion: 96 Resp: 99598
 Ion Ratio Lower Upper
 96 100
 61 162.0 129.5 194.3
 98 64.3 48.6 73.0





#13

Acrolein

Concen: 115.213 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

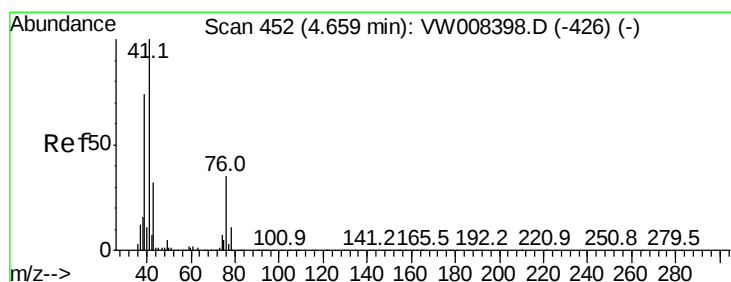
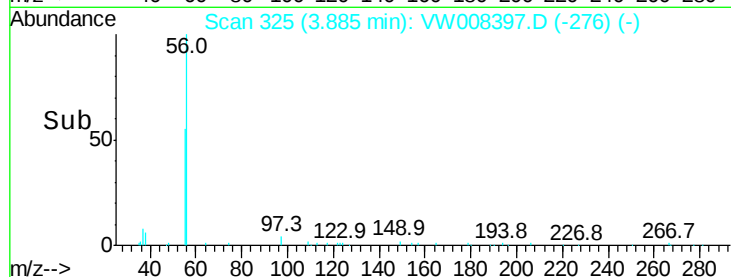
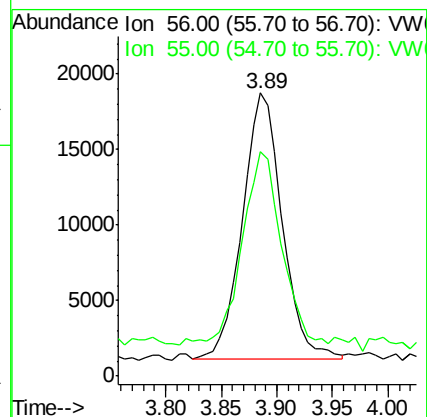
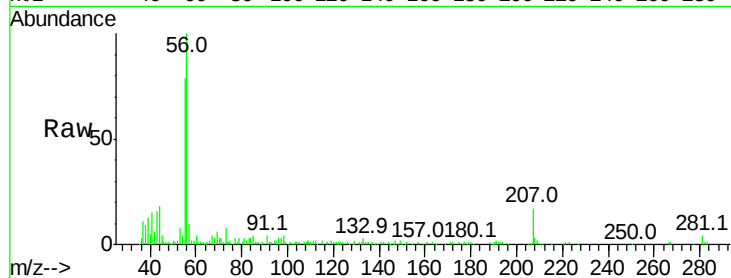
VSTDIC020

Tgt Ion: 56 Resp: 43445

Ion Ratio Lower Upper

56 100

55 72.1 56.7 85.1



#14

Allyl chloride

Concen: 18.414 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

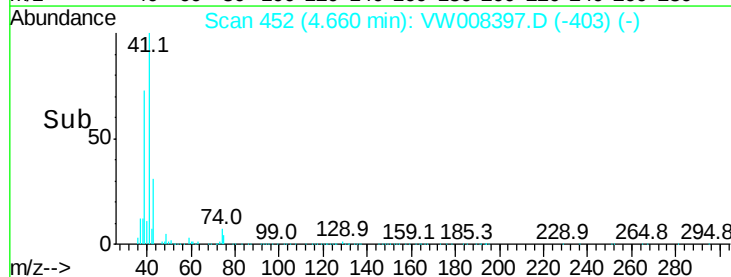
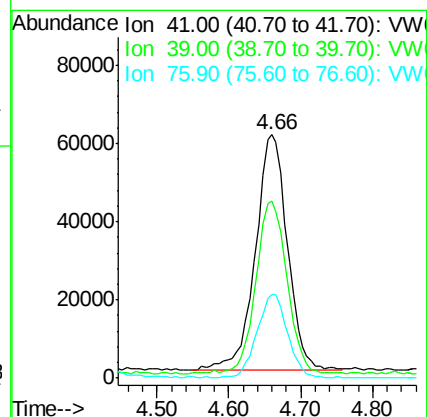
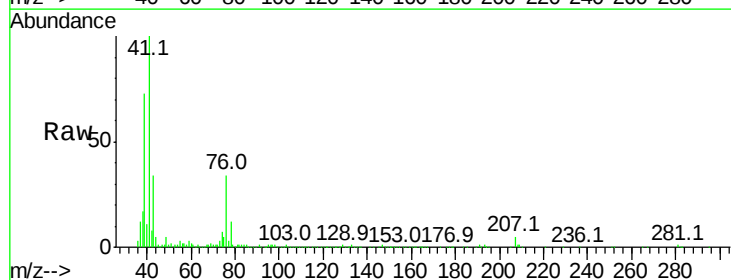
Tgt Ion: 41 Resp: 187547

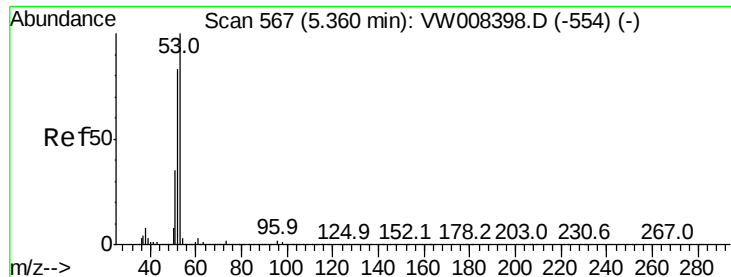
Ion Ratio Lower Upper

41 100

39 69.3 57.7 86.5

76 33.1 26.9 40.3





#15

Acrylonitrile

Concen: 85.112 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

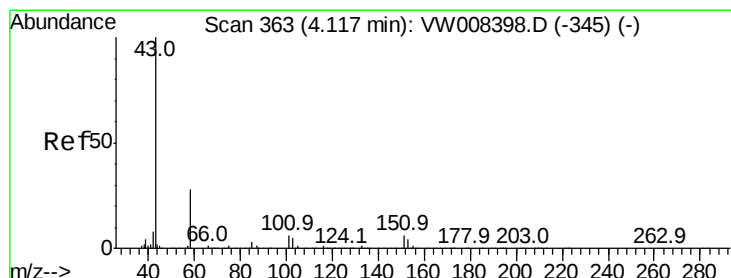
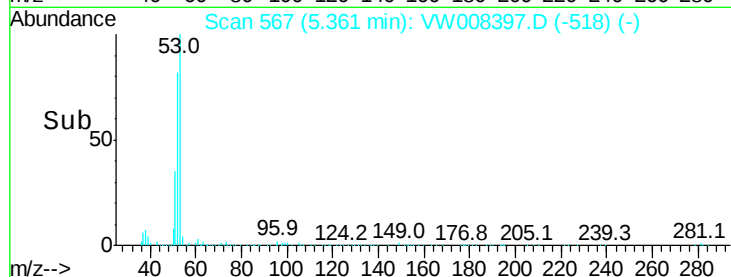
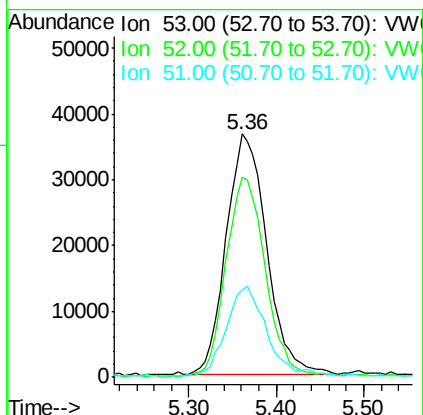
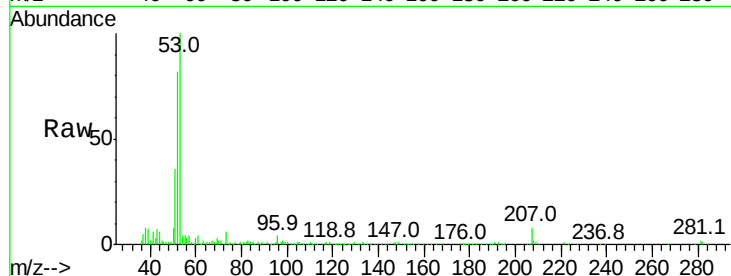
Tgt Ion: 53 Resp: 116647

Ion Ratio Lower Upper

53 100

52 81.7 67.0 100.4

51 37.4 29.8 44.8



#16

Acetone

Concen: 78.776 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008397.D

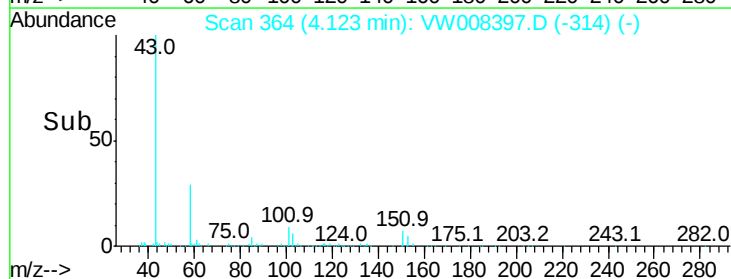
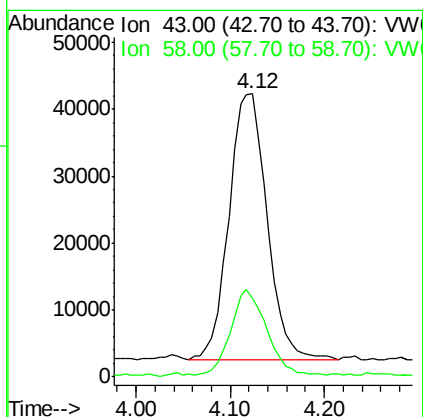
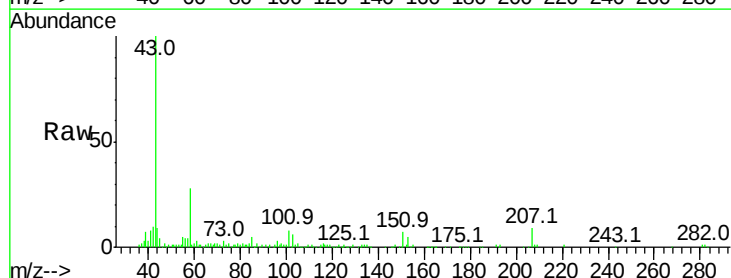
Acq: 24 Jan 2019 15:16

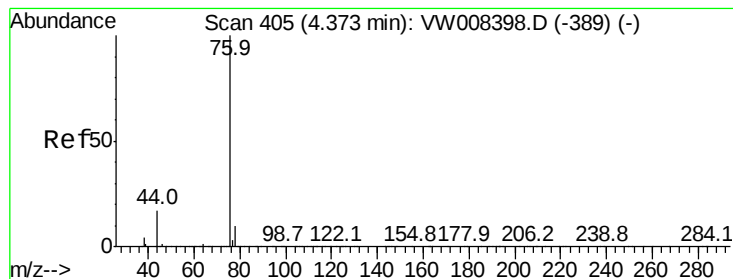
Tgt Ion: 43 Resp: 112993

Ion Ratio Lower Upper

43 100

58 28.5 22.6 34.0





#17

Carbon Disulfide

Concen: 16.562 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

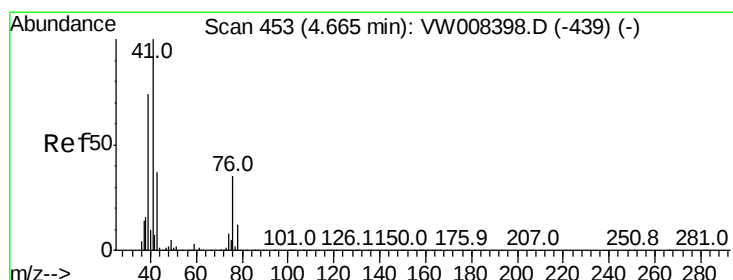
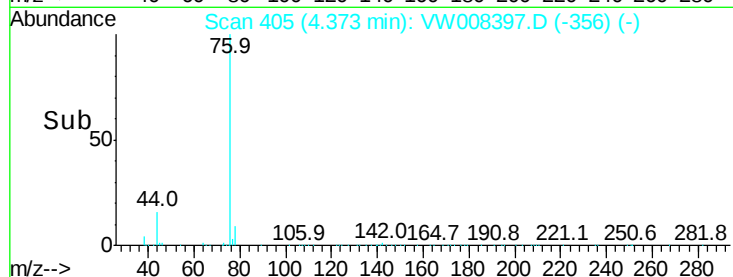
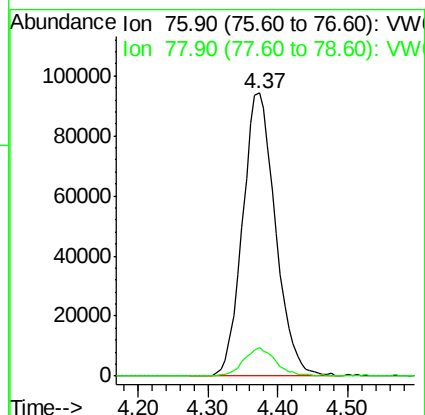
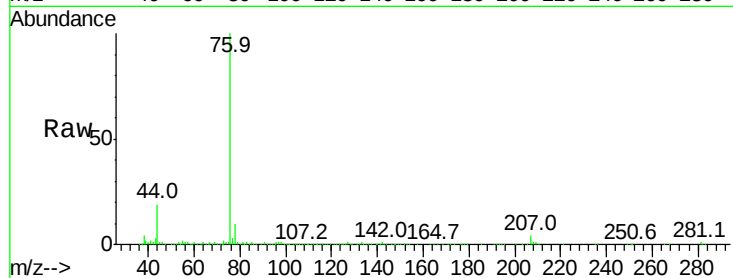
VSTDIC020

Tgt Ion: 76 Resp: 307036

Ion Ratio Lower Upper

76 100

78 9.9 7.7 11.5



#18

Methyl Acetate

Concen: 16.315 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008397.D

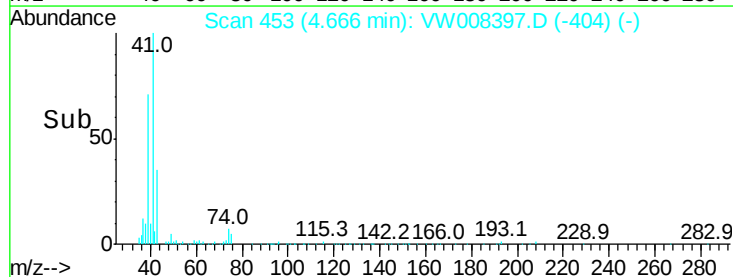
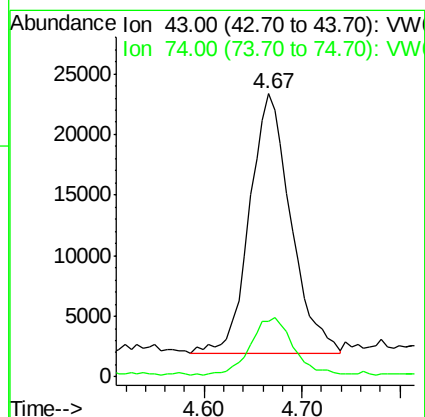
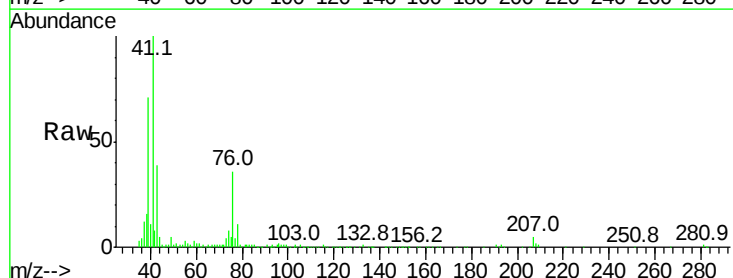
Acq: 24 Jan 2019 15:16

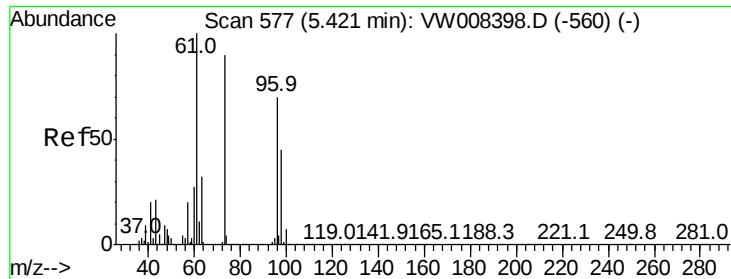
Tgt Ion: 43 Resp: 62512

Ion Ratio Lower Upper

43 100

74 22.6 17.5 26.3

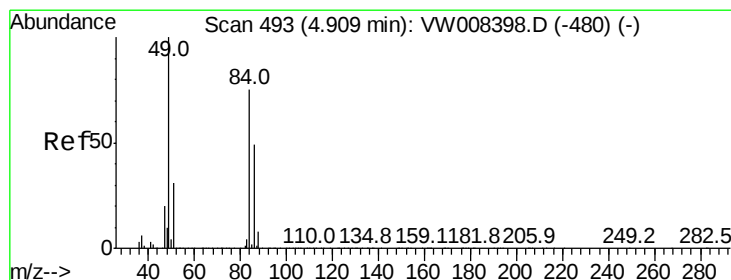
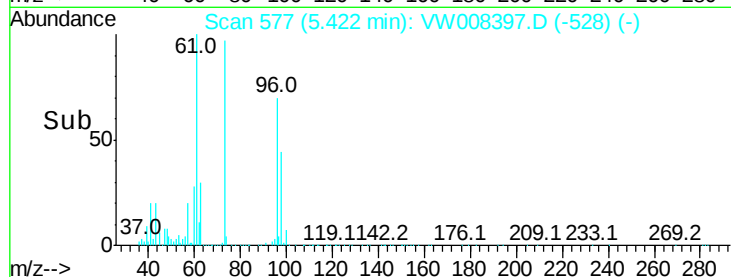
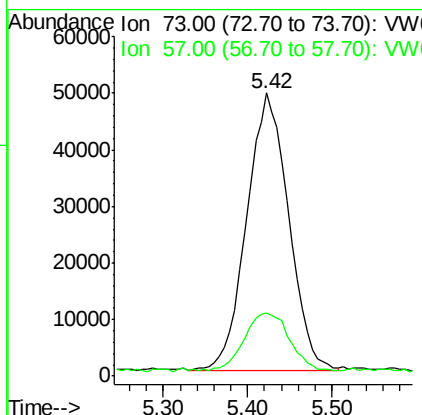
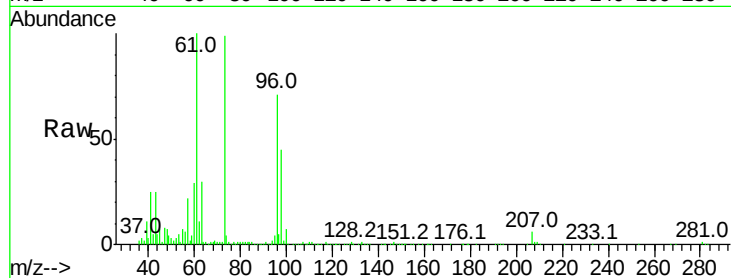




#19
Methyl tert-butyl Ether
Concen: 17.916 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008397.D
Acq: 24 Jan 2019 15:16

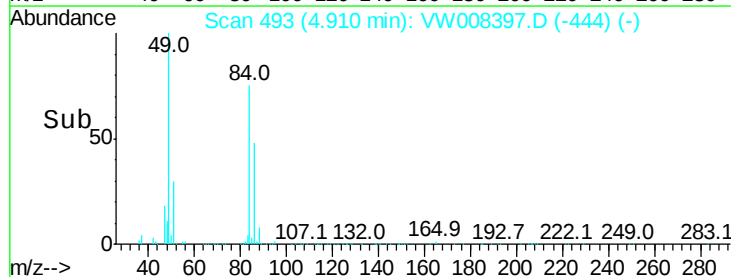
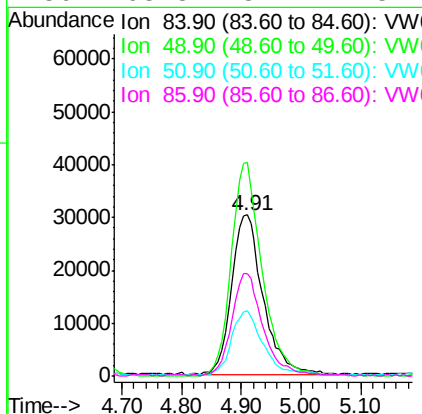
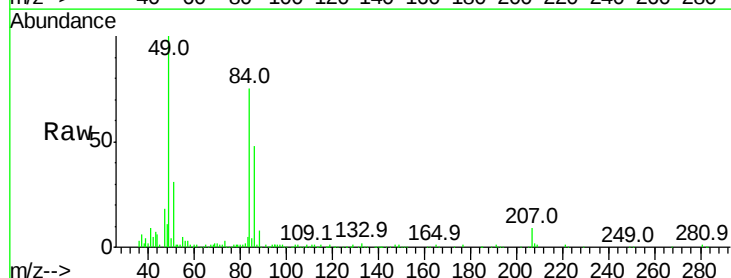
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

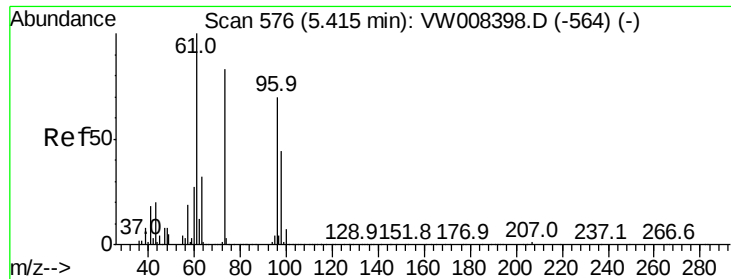
Tgt Ion: 73 Resp: 167089
Ion Ratio Lower Upper
73 100
57 20.7 18.0 27.0



#20
Methylene Chloride
Concen: 14.491 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008397.D
Acq: 24 Jan 2019 15:16

Tgt Ion: 84 Resp: 110375
Ion Ratio Lower Upper
84 100
49 134.2 106.8 160.2
51 40.4 32.9 49.3
86 63.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 16.169 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

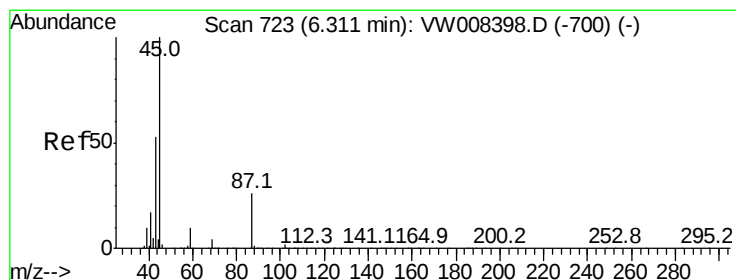
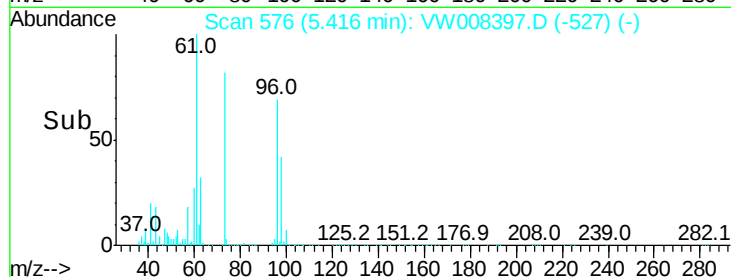
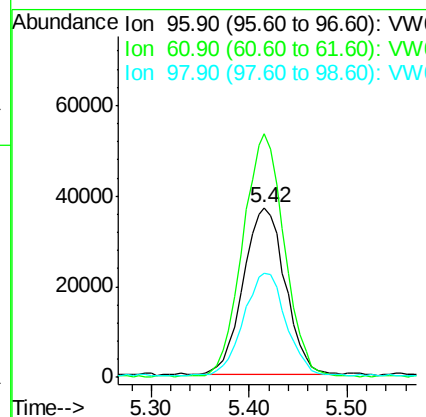
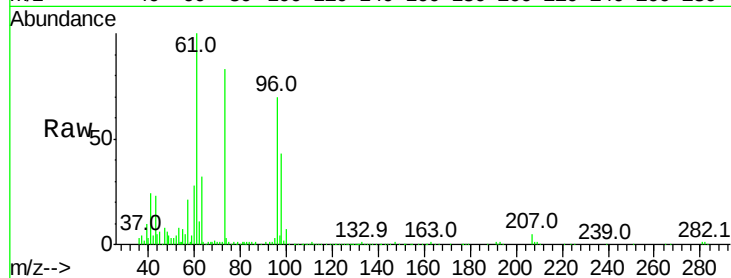
Tgt Ion: 96 Resp: 110638

Ion Ratio Lower Upper

96 100

61 144.8 114.4 171.6

98 60.9 50.6 75.8



#22

Diisopropyl ether

Concen: 17.675 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Tgt Ion: 45 Resp: 351458

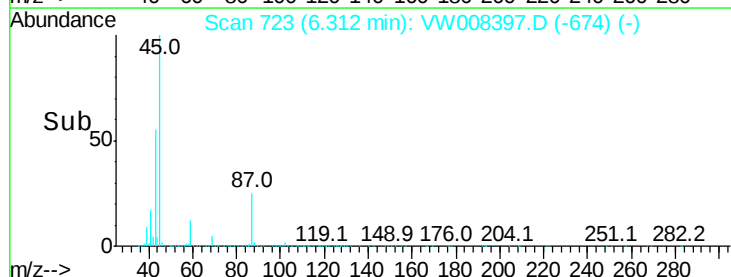
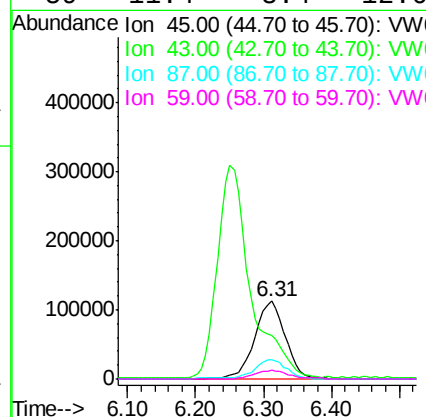
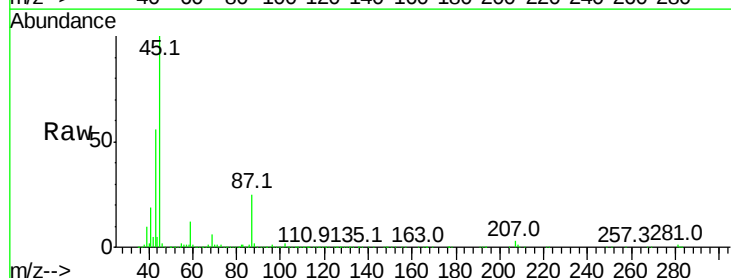
Ion Ratio Lower Upper

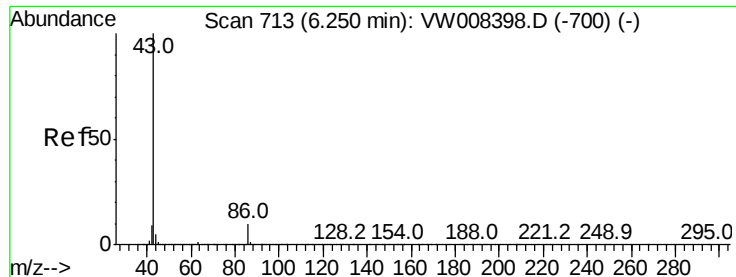
45 100

43 54.2 42.6 63.8

87 25.2 20.3 30.5

59 11.4 8.4 12.6





#23

Vinyl Acetate

Concen: 97.981 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

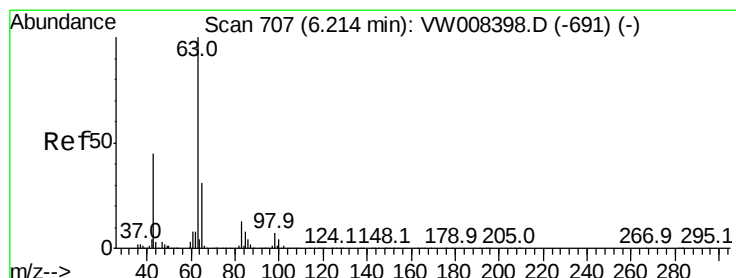
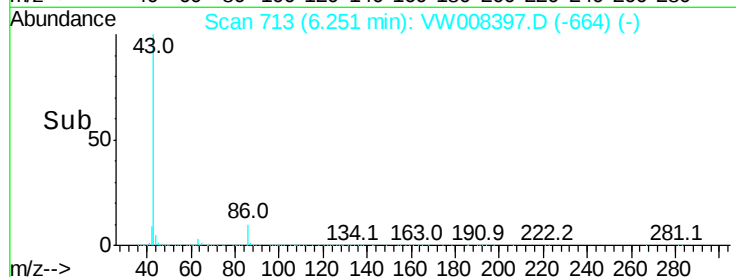
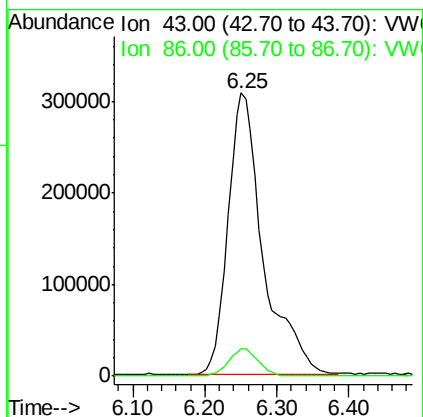
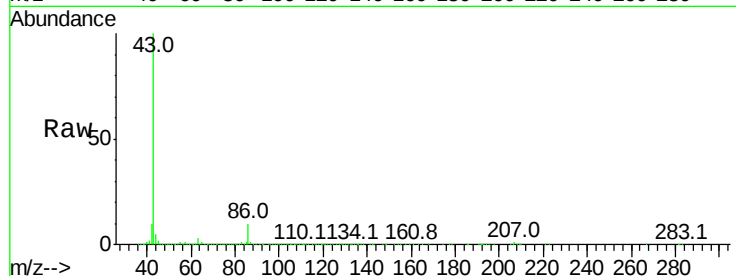
VSTDIC020

Tgt Ion: 43 Resp: 1041444

Ion Ratio Lower Upper

43 100

86 9.6 7.8 11.8



#24

1,1-Dichloroethane

Concen: 16.667 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

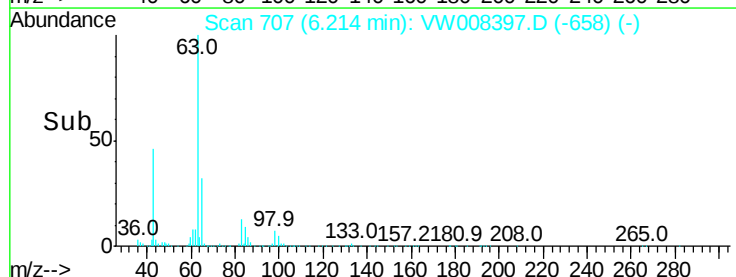
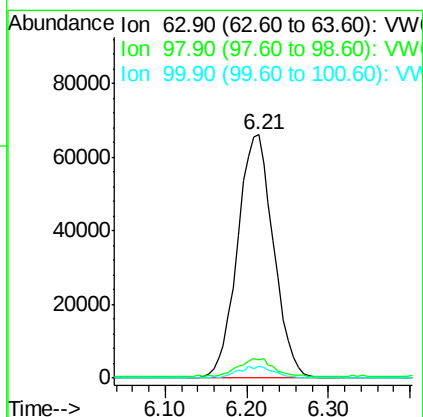
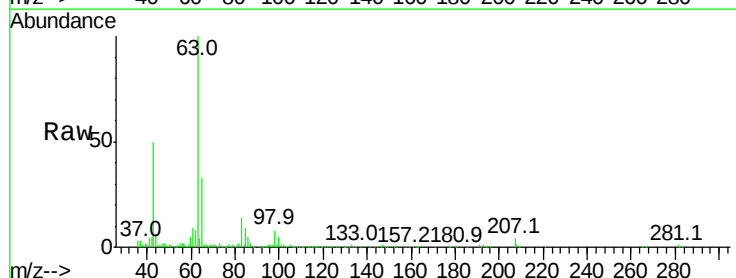
Tgt Ion: 63 Resp: 201794

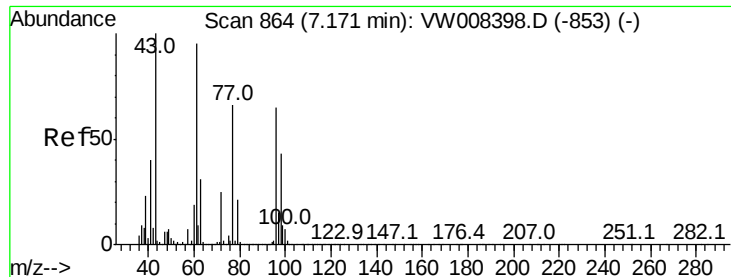
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.9 2.1 6.2





#25

2-Butanone

Concen: 89.135 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

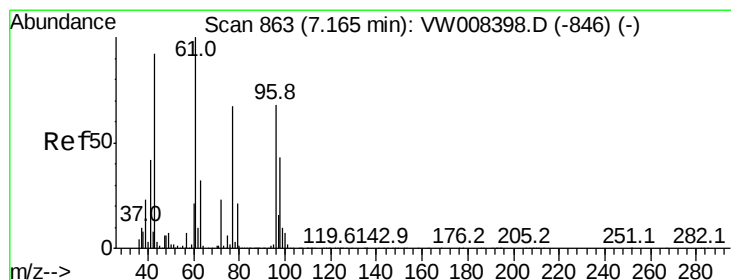
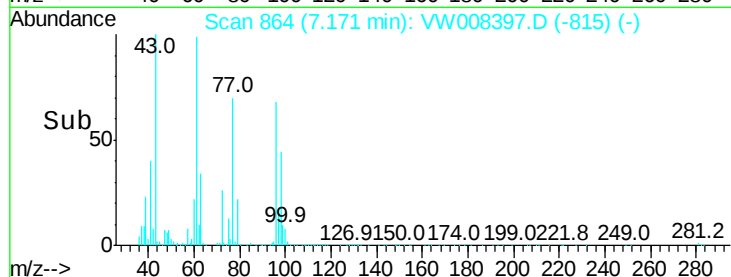
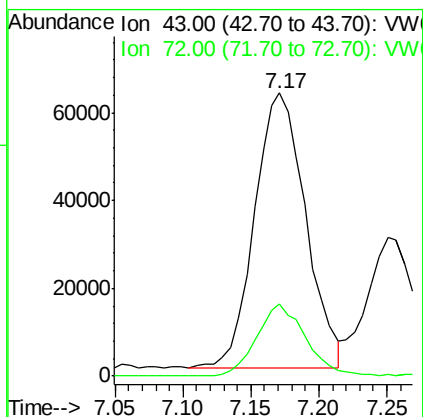
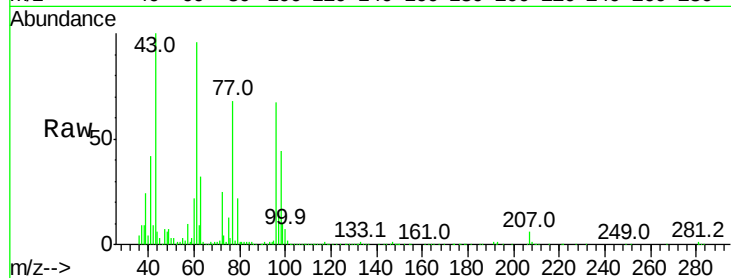
VSTDIC020

Tgt Ion: 43 Resp: 163753

Ion Ratio Lower Upper

43 100

72 26.0 20.1 30.1



#26

2,2-Dichloropropane

Concen: 17.877 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008397.D

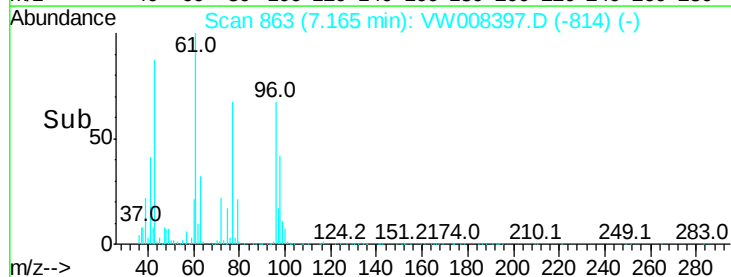
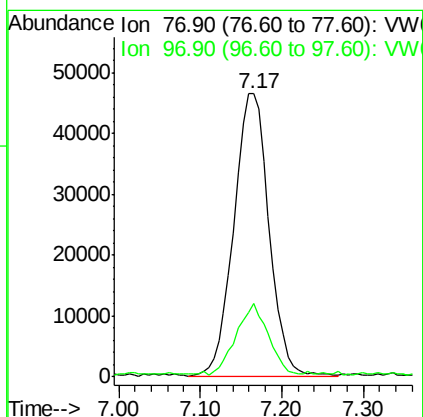
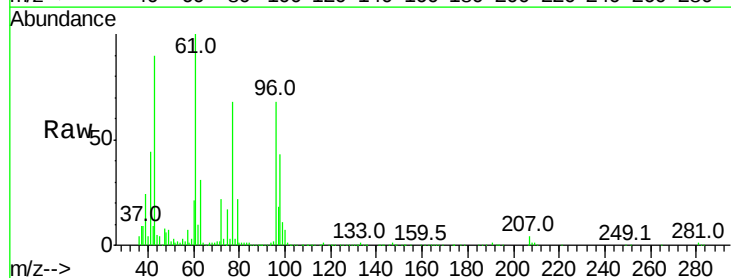
Acq: 24 Jan 2019 15:16

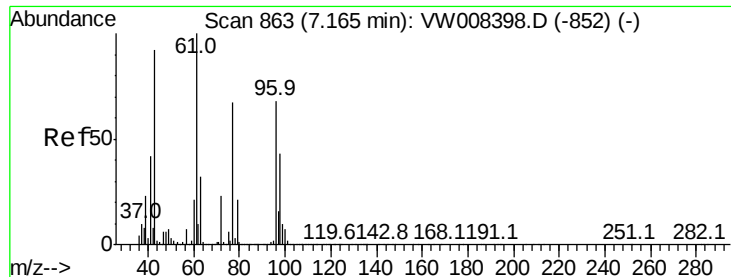
Tgt Ion: 77 Resp: 138119

Ion Ratio Lower Upper

77 100

97 22.3 11.5 34.5



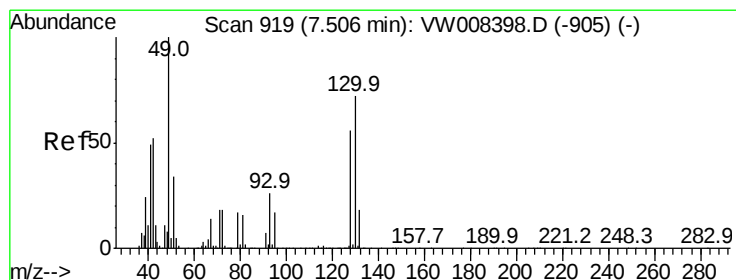
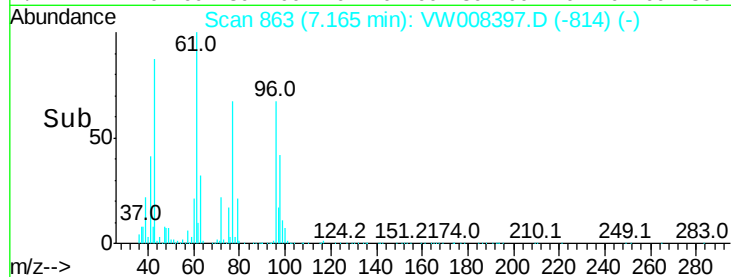
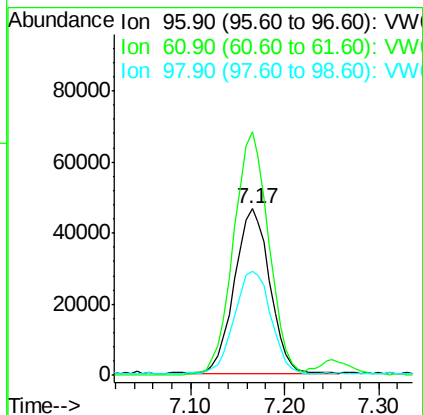
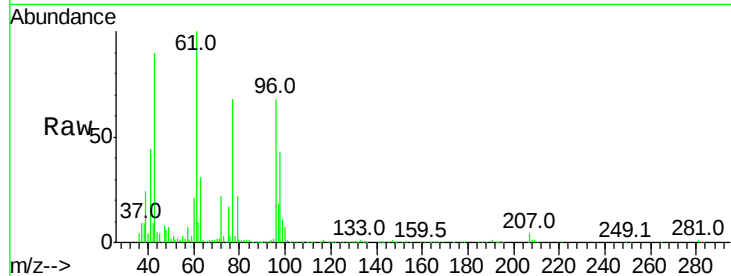


#27

cis-1,2-Dichloroethene
 Concen: 16.214 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008397.D
 Acq: 24 Jan 2019 15:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

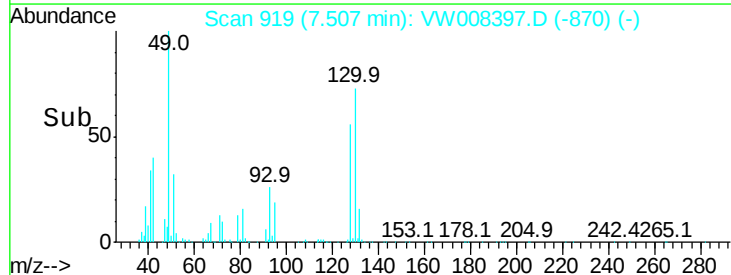
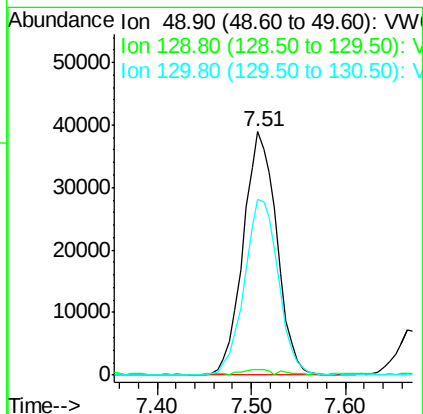
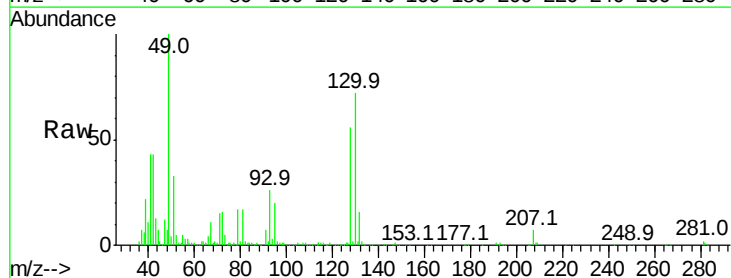
Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	292.8
98	65.2	0.0	129.2

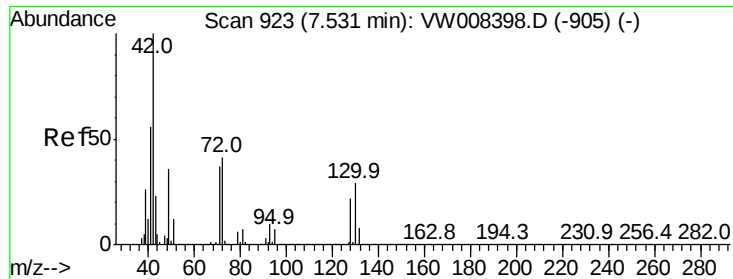


#28

Bromochloromethane
 Concen: 19.491 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008397.D
 Acq: 24 Jan 2019 15:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	73.2	58.6	87.8





#29

Tetrahydrofuran

Concen: 90.057 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

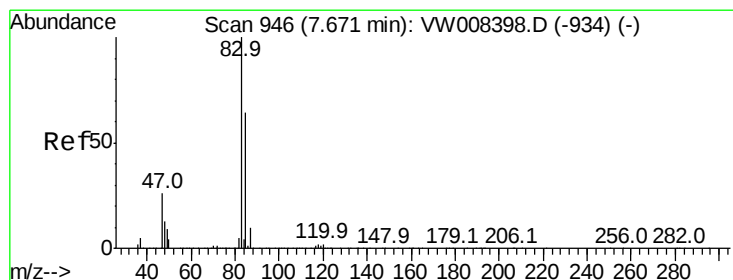
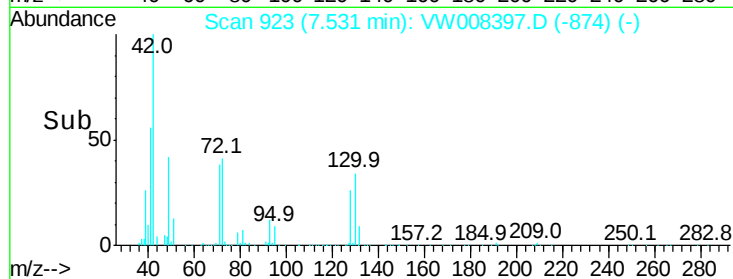
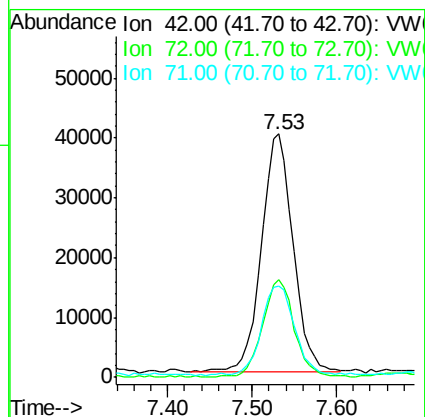
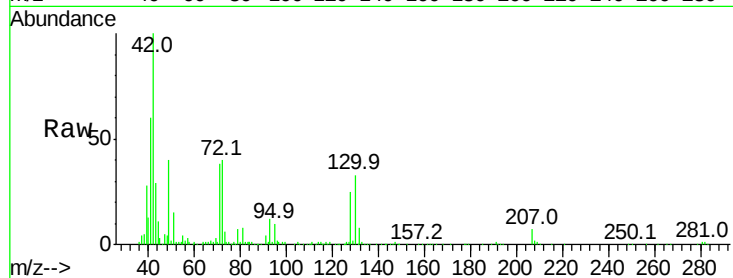
Tgt Ion: 42 Resp: 103142

Ion Ratio Lower Upper

42 100

72 41.0 31.9 47.9

71 38.6 29.9 44.9



#30

Chloroform

Concen: 16.430 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW008397.D

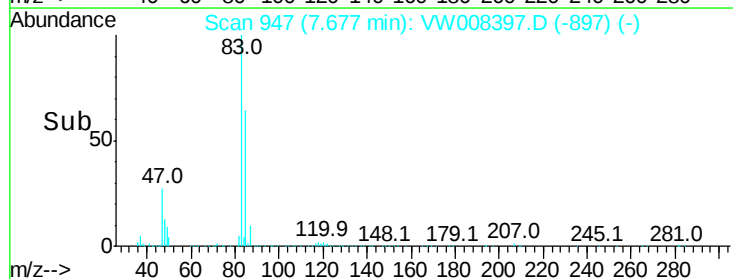
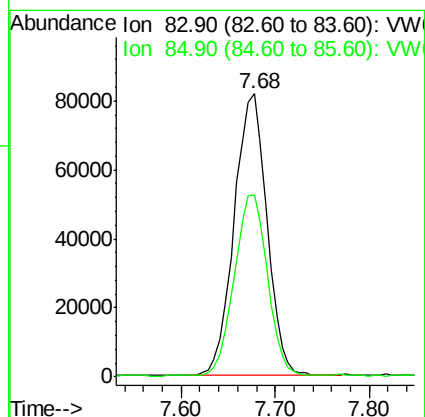
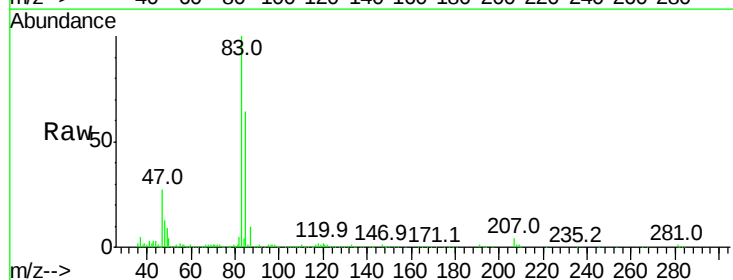
Acq: 24 Jan 2019 15:16

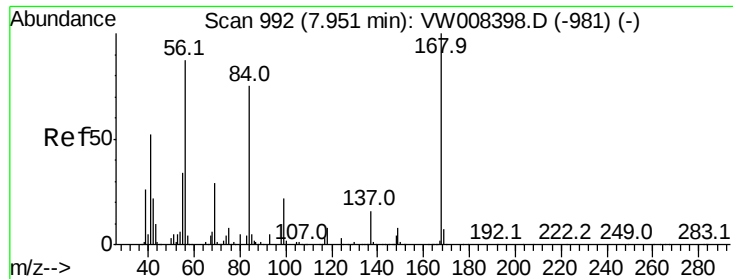
Tgt Ion: 83 Resp: 196808

Ion Ratio Lower Upper

83 100

85 64.1 50.9 76.3

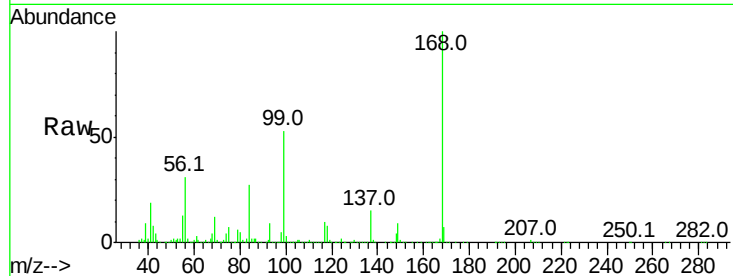




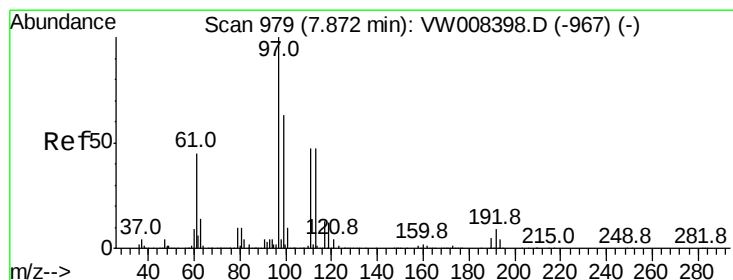
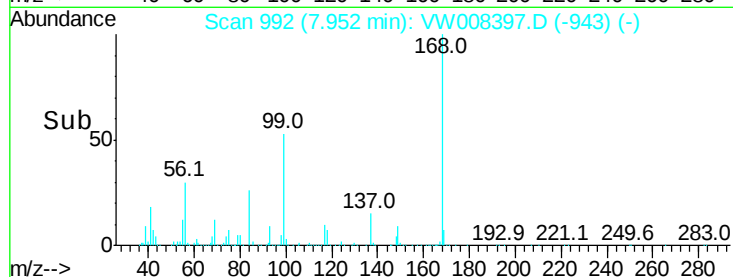
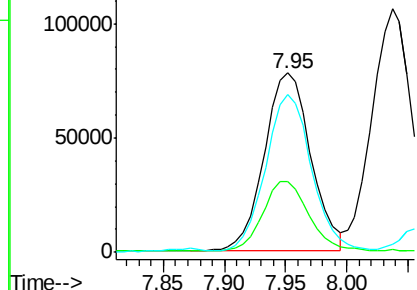
#31
Cyclohexane
Concen: 17.956 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008397.D
Acq: 24 Jan 2019 15:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 207126
Ion Ratio Lower Upper
56 100
69 38.9 26.4 39.6
84 86.4 69.1 103.7

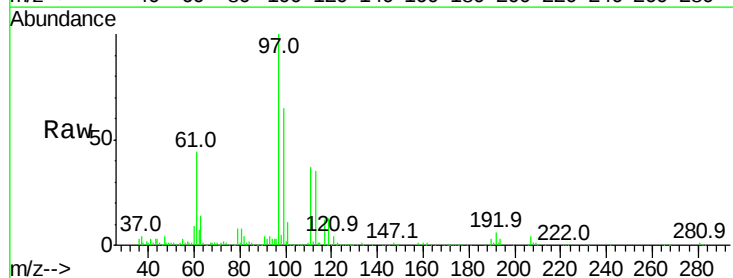


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

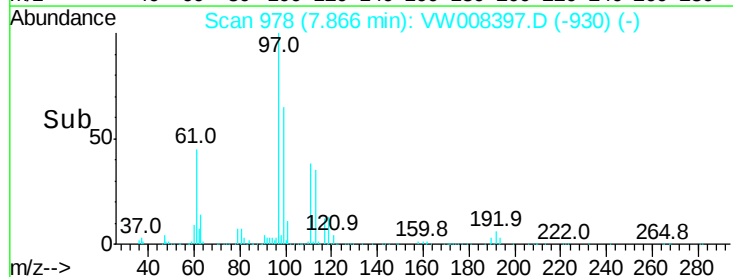
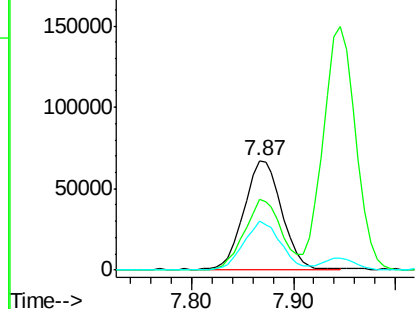


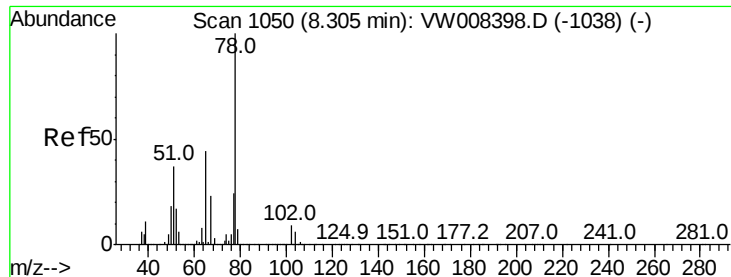
#32
1,1,1-Trichloroethane
Concen: 16.865 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008397.D
Acq: 24 Jan 2019 15:16

Tgt Ion: 97 Resp: 169547
Ion Ratio Lower Upper
97 100
99 64.3 51.3 76.9
61 44.4 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: 16.268 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

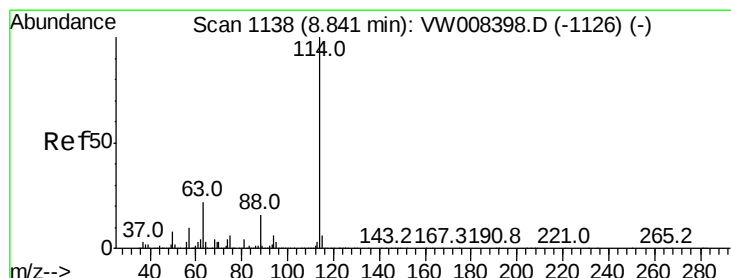
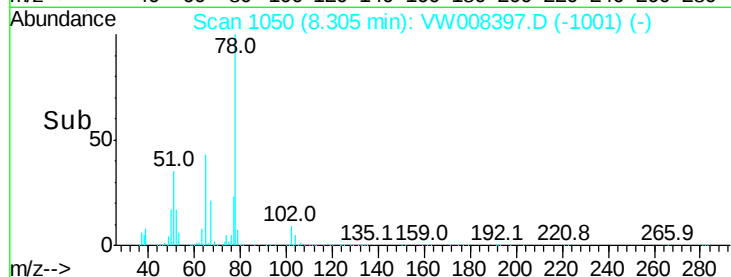
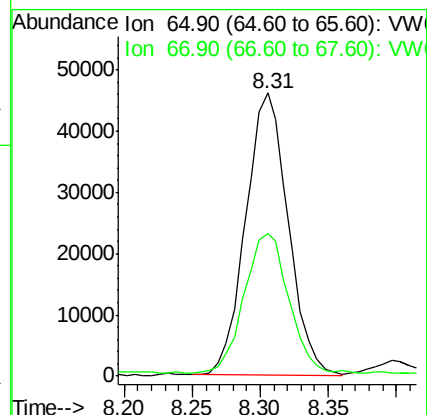
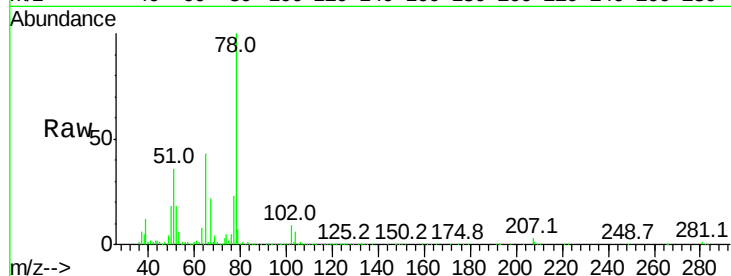
VSTDIC020

Tgt Ion: 65 Resp: 100473

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

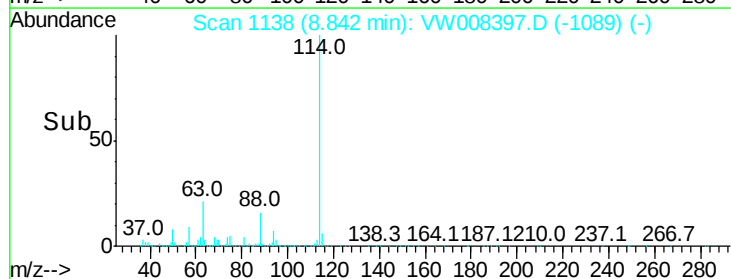
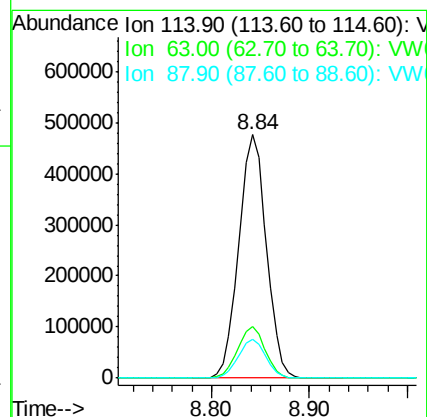
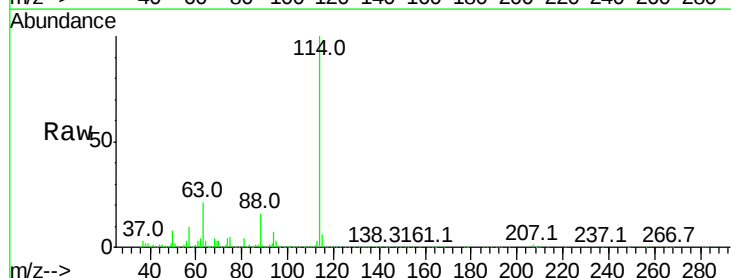
Tgt Ion: 114 Resp: 932510

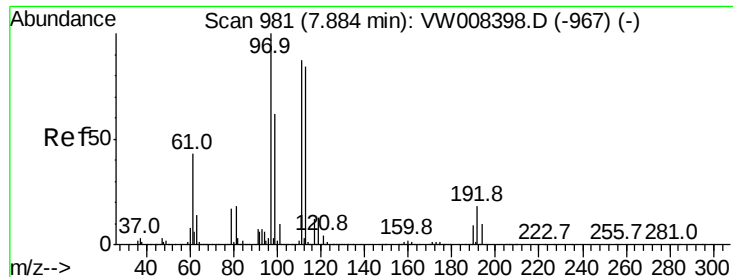
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.6

88 16.0 0.0 31.8

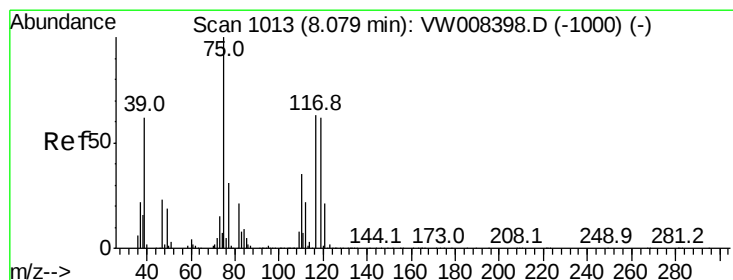
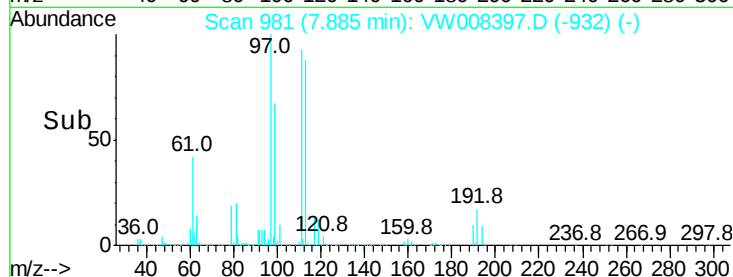
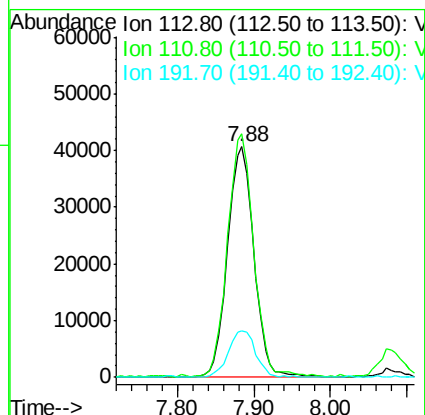
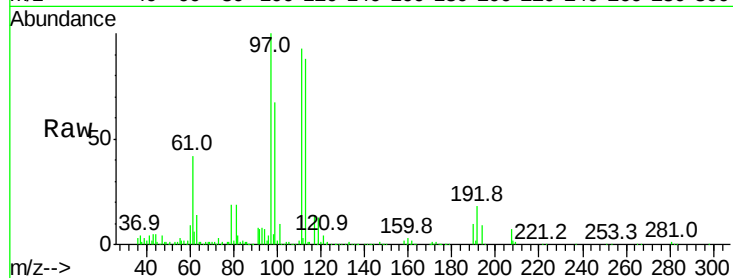




#35
Dibromofluoromethane
Concen: 16.323 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008397.D
Acq: 24 Jan 2019 15:16

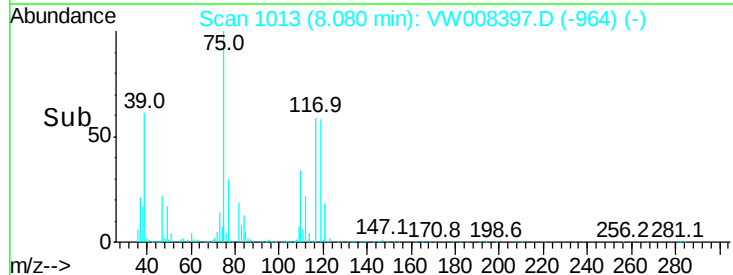
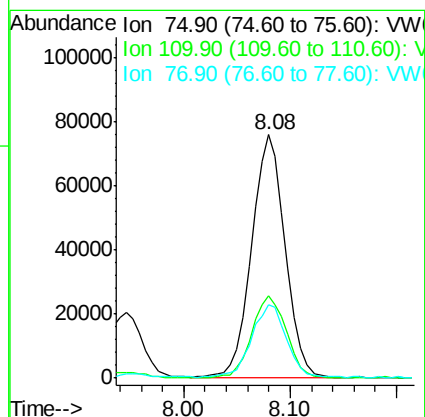
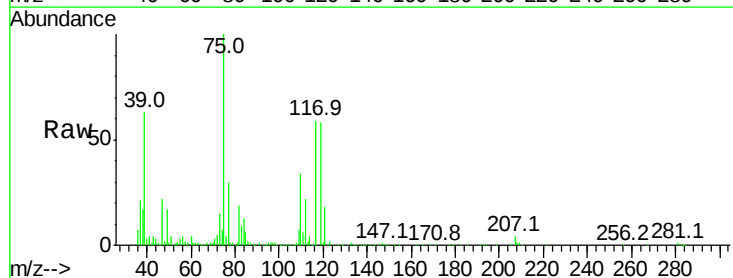
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

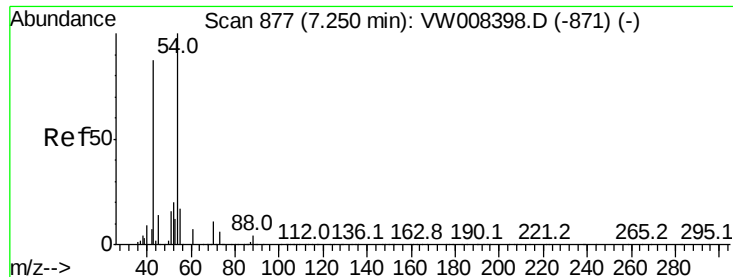
Tgt Ion: 113 Resp: 97161
Ion Ratio Lower Upper
113 100
111 104.0 81.0 121.4
192 20.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 17.693 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW008397.D
Acq: 24 Jan 2019 15:16

Tgt Ion: 75 Resp: 165997
Ion Ratio Lower Upper
75 100
110 35.0 17.3 52.0
77 31.0 24.7 37.1

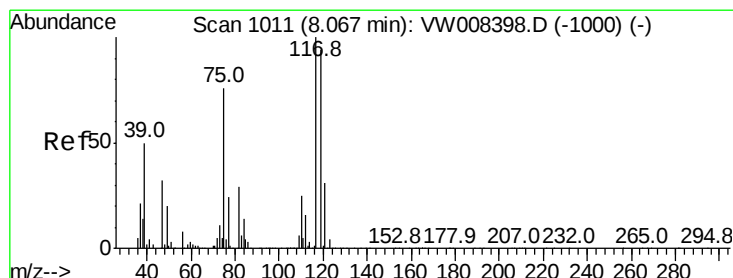
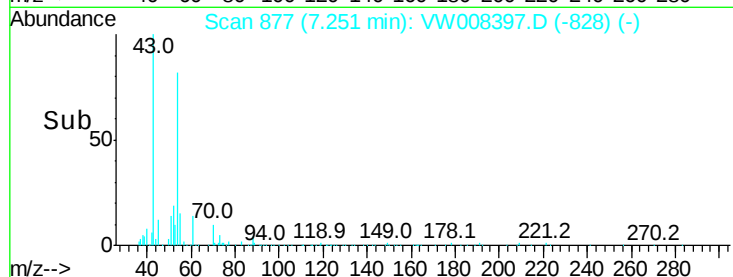
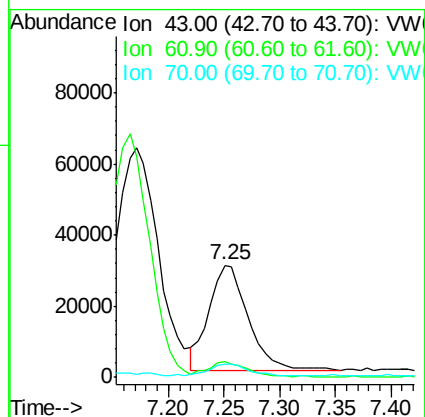
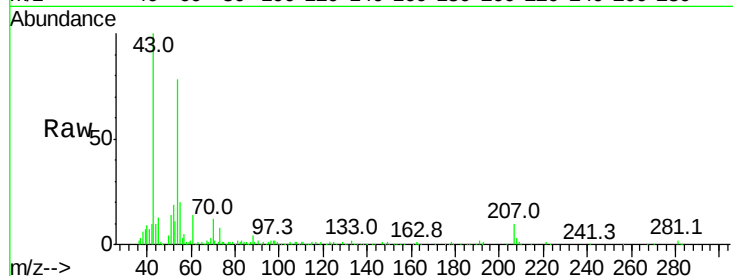




#37
Ethyl Acetate
Concen: 18.756 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008397.D
Acq: 24 Jan 2019 15:16

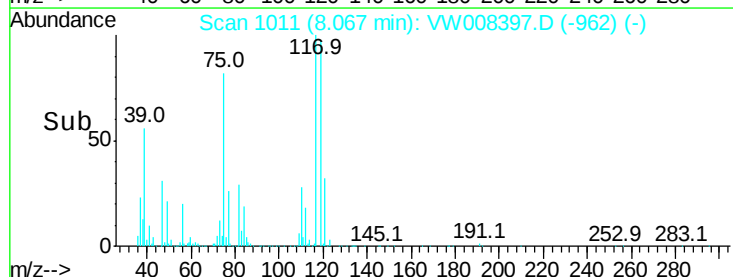
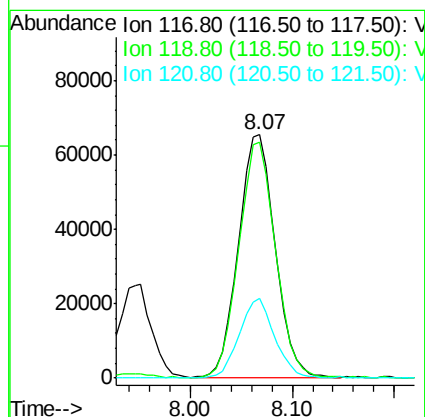
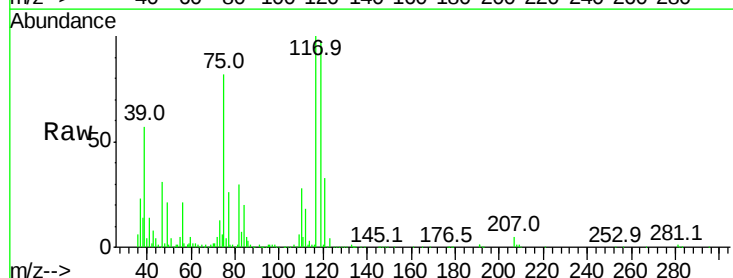
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

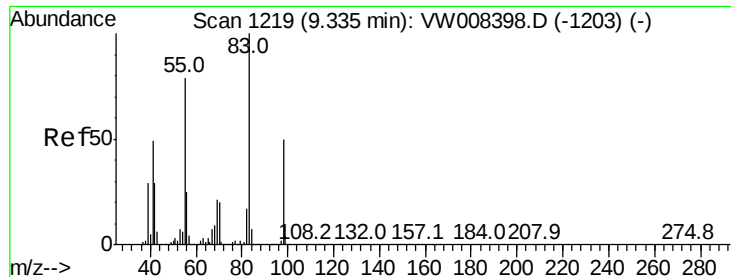
Tgt Ion: 43 Resp: 72565
Ion Ratio Lower Upper
43 100
61 13.5 10.1 15.1
70 10.3 7.8 11.6



#38
Carbon Tetrachloride
Concen: 17.578 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008397.D
Acq: 24 Jan 2019 15:16

Tgt Ion: 117 Resp: 162850
Ion Ratio Lower Upper
117 100
119 96.8 75.0 112.4
121 32.7 24.9 37.3





#39

Methylcyclohexane

Concen: 18.988 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

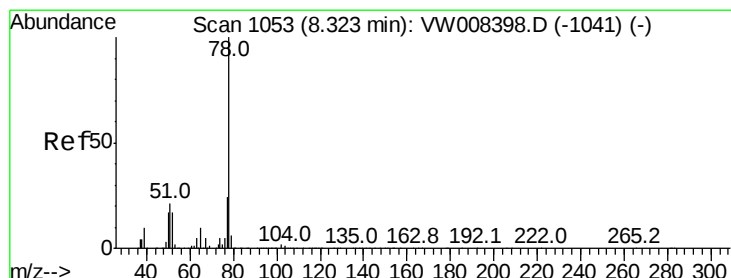
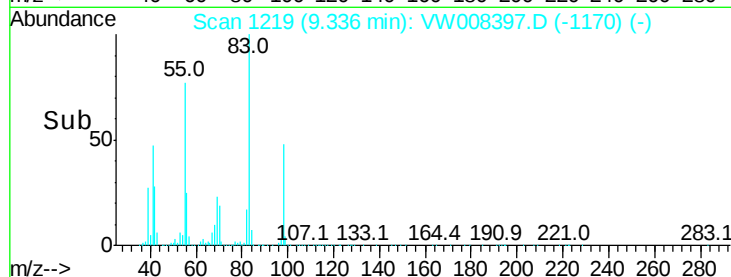
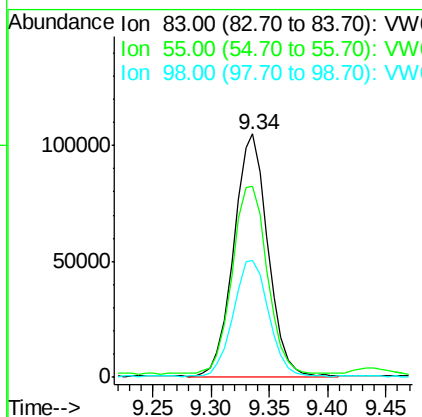
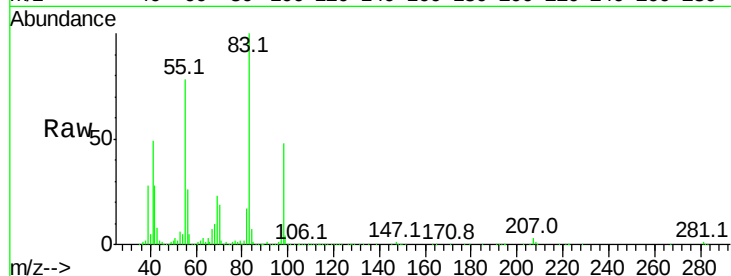
Tgt Ion: 83 Resp: 211901

Ion Ratio Lower Upper

83 100

55 77.2 63.3 94.9

98 47.8 39.7 59.5



#40

Benzene

Concen: 17.001 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008397.D

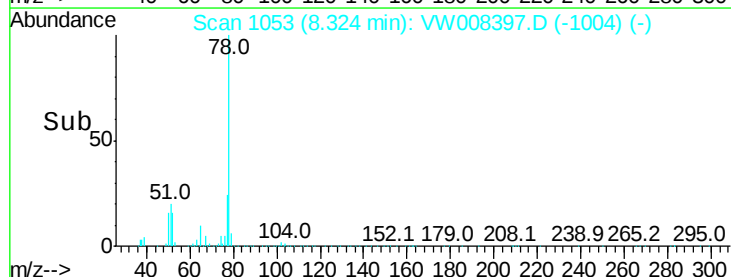
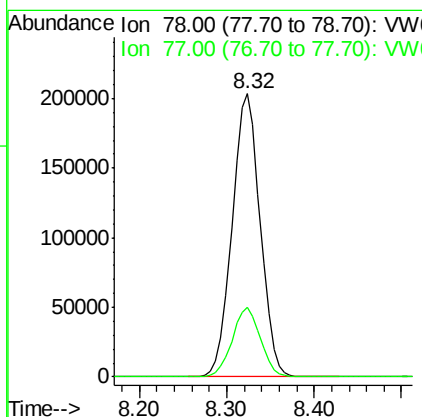
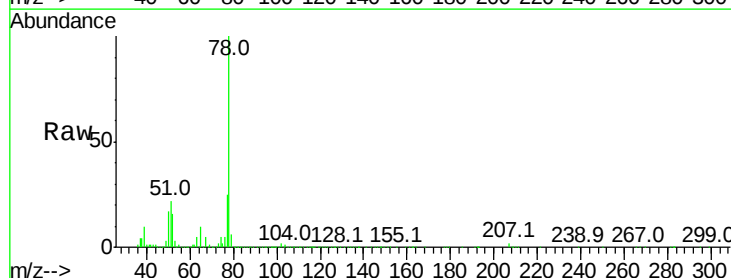
Acq: 24 Jan 2019 15:16

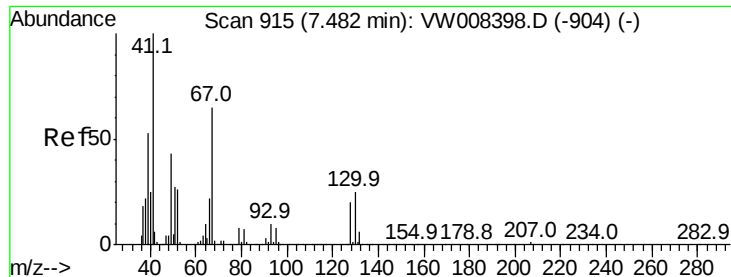
Tgt Ion: 78 Resp: 451820

Ion Ratio Lower Upper

78 100

77 24.4 19.0 28.6

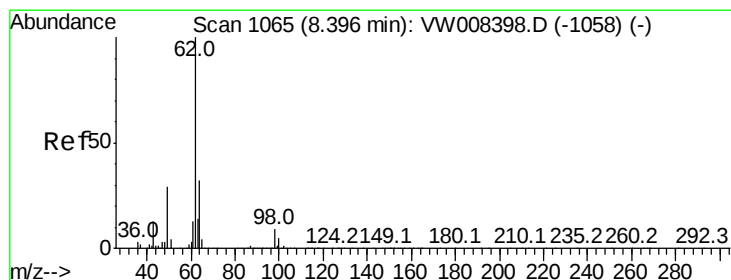
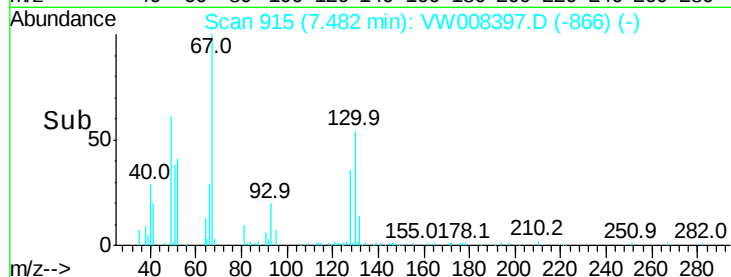
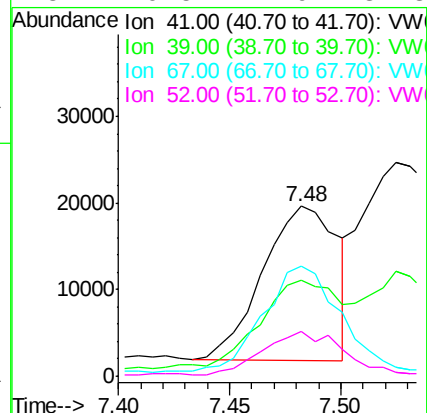
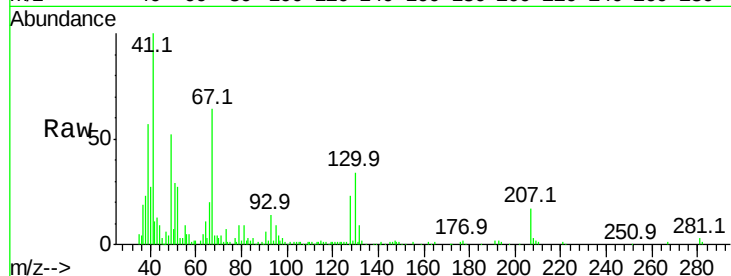




#41
Methacrylonitrile
Concen: 18.487 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008397.D
Acq: 24 Jan 2019 15:16

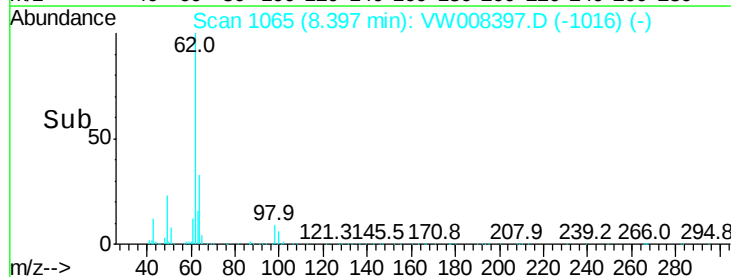
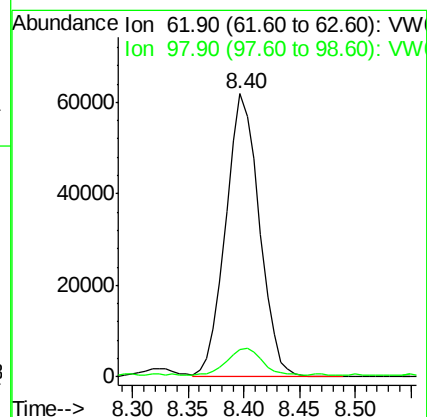
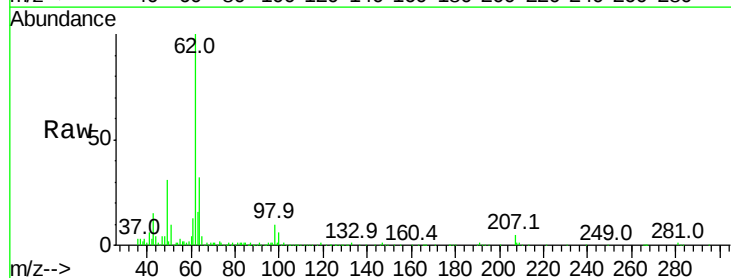
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

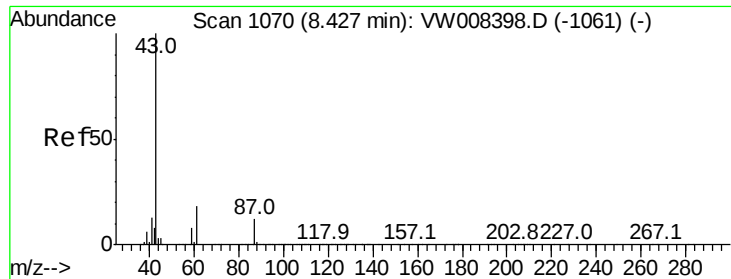
Tgt Ion:	41	Resp:	41637
Ion	Ratio	Lower	Upper
41	100		
39	58.5	43.4	65.0
67	71.3	54.2	81.2
52	29.5	22.9	34.3



#42
1,2-Dichloroethane
Concen: 17.501 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008397.D
Acq: 24 Jan 2019 15:16

Tgt Ion:	62	Resp:	130053
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 20.542 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

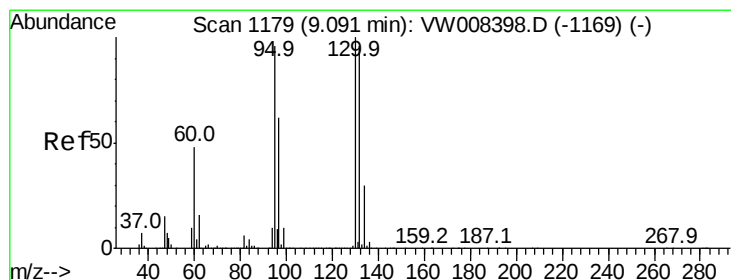
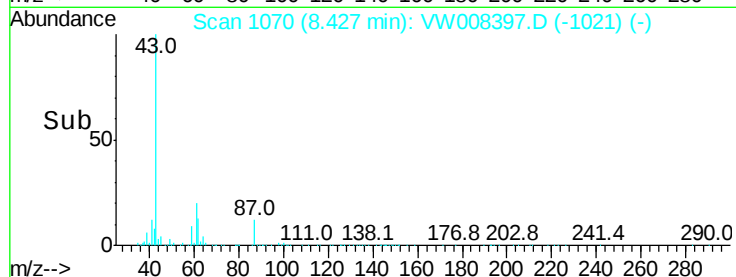
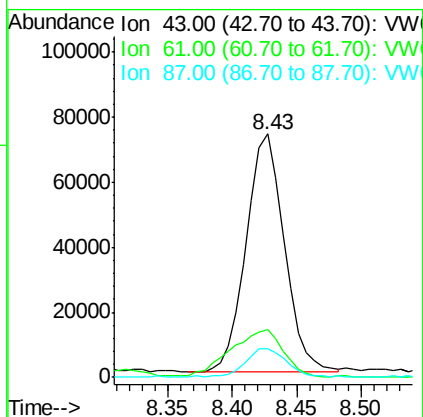
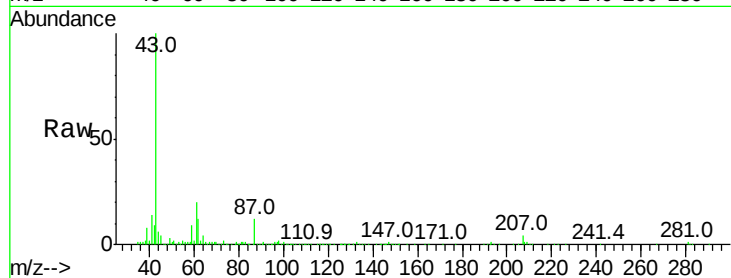
Tgt Ion: 43 Resp: 150119

Ion Ratio Lower Upper

43 100

61 26.9 22.0 33.0

87 12.6 9.3 13.9



#44

Trichloroethene

Concen: 16.971 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008397.D

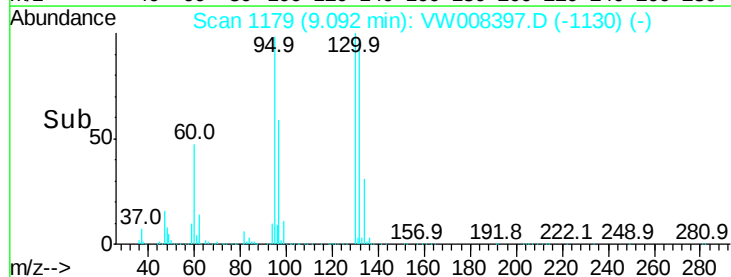
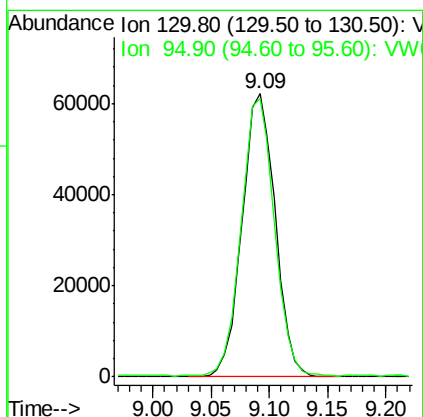
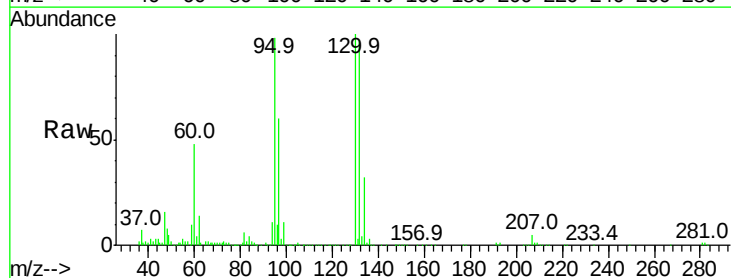
Acq: 24 Jan 2019 15:16

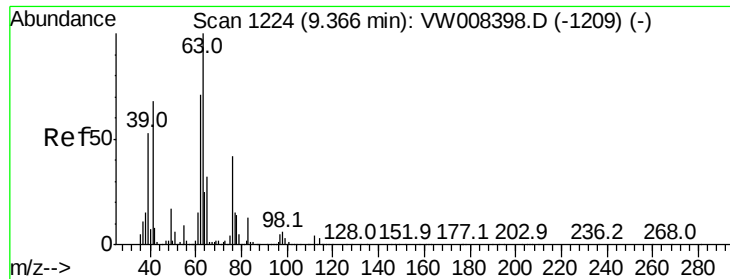
Tgt Ion: 130 Resp: 123568

Ion Ratio Lower Upper

130 100

95 98.1 0.0 191.6





#45

1,2-Dichloropropane

Concen: 16.874 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

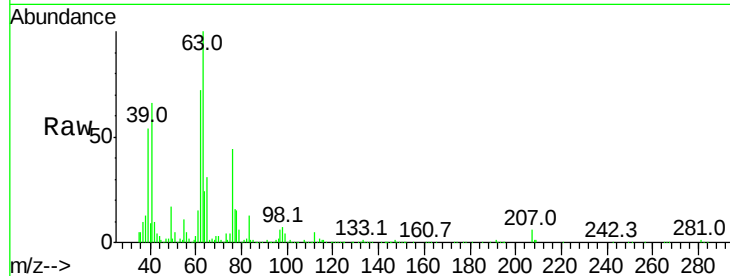
VSTDIC020

Tgt Ion: 63 Resp: 111394

Ion Ratio Lower Upper

63 100

65 30.6 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

60000

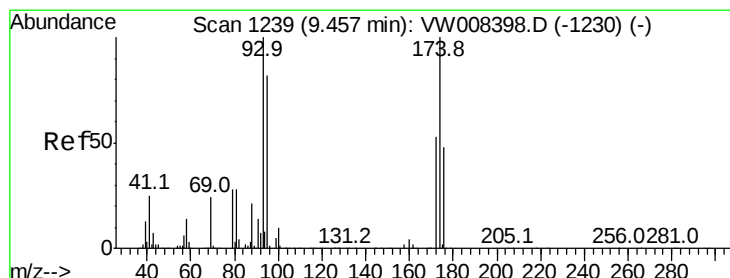
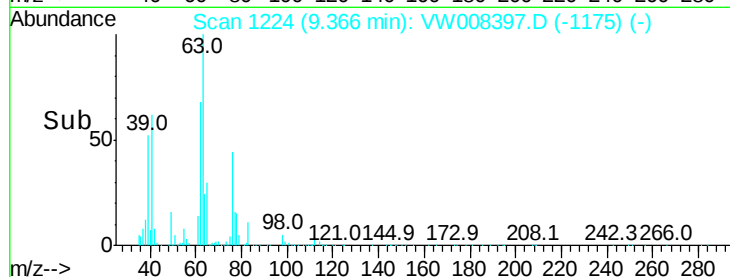
40000

20000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 16.817 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008397.D

Acq: 24 Jan 2019 15:16

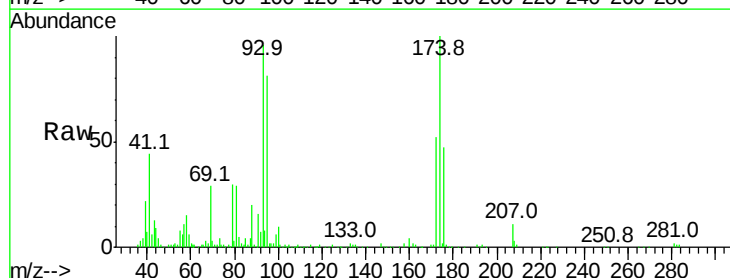
Tgt Ion: 93 Resp: 57859

Ion Ratio Lower Upper

93 100

95 85.0 65.9 98.9

174 99.5 81.0 121.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

40000

30000

20000

10000

0

9.35 9.40 9.45 9.50 9.55

Time-->

