

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030819\
 Data File : VW009075.D
 Acq On : 09 Mar 2019 00:24
 Operator : SY/VA
 Sample : K1785-14MSD
 Misc : 6.71G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MSD

Quant Time: Mar 09 01:23:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	98878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	134429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	126678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63102	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	40747	40.96	ug/l	0.00
Spiked Amount			Recovery	=	81.92%	
35) Dibromofluoromethane	7.88	113	35561	43.94	ug/l	0.00
Spiked Amount			Recovery	=	87.88%	
50) Toluene-d8	10.32	98	158267	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.62	95	55530	42.43	ug/l	0.00
Spiked Amount			Recovery	=	84.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	43981	44.136	ug/l	99
3) Chloromethane	2.21	50	54087	42.726	ug/l	99
4) Vinyl Chloride	2.36	62	58926	45.868	ug/l	98
5) Bromomethane	2.77	94	48230	44.475	ug/l	98
6) Chloroethane	2.92	64	41614	45.501	ug/l	97
7) Trichlorofluoromethane	3.26	101	78812	47.646	ug/l	91
8) Diethyl Ether	3.69	74	20344	40.224	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47546	46.152	ug/l	99
10) Methyl Iodide	4.28	142	23024	22.477	ug/l	98
11) Tert butyl alcohol	5.17	59	15673	205.595	ug/l #	92
12) 1,1-Dichloroethene	4.04	96	41085	46.233	ug/l	91
13) Acrolein	3.89	56	5437	64.814	ug/l #	80
14) Allyl chloride	4.67	41	67100	42.806	ug/l	100
15) Acrylonitrile	5.37	53	46248	209.510	ug/l	98
16) Acetone	4.12	43	38476	171.395	ug/l	97
17) Carbon Disulfide	4.38	76	128821	43.085	ug/l	95
18) Methyl Acetate	4.67	43	57266	110.935	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	94025	39.998	ug/l	94
20) Methylene Chloride	4.92	84	46358	43.156	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	46675	45.488	ug/l	93
22) Diisopropyl ether	6.31	45	132262	42.458	ug/l	98
23) Vinyl Acetate	6.26	43	89389	46.112	ug/l	99
24) 1,1-Dichloroethane	6.21	63	80428	44.513	ug/l	99
25) 2-Butanone	7.17	43	58944	189.991	ug/l	100
26) 2,2-Dichloropropane	7.17	77	68868	41.932	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	47025	42.672	ug/l	99
28) Bromochloromethane	7.51	49	34199	45.505	ug/l	98
29) Tetrahydrofuran	7.53	42	41566	212.604	ug/l	97
30) Chloroform	7.68	83	82890	44.560	ug/l	96
31) Cyclohexane	7.95	56	72615	39.141	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	81780	47.638	ug/l	99
36) 1,1-Dichloropropene	8.08	75	69123	49.176	ug/l	98
37) Ethyl Acetate	7.25	43	18233	27.616	ug/l #	89
38) Carbon Tetrachloride	8.07	117	73461	50.606	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	73111	43.669	ug/l	97
40) Benzene	8.32	78	187099	49.864	ug/l	100
41) Methacrylonitrile	7.48	41	13098	35.725	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	55031	45.429	ug/l	100
43) Isopropyl Acetate	8.43	43	41769	33.968	ug/l	94
44) Trichloroethene	9.09	130	51521	48.990	ug/l	91
45) 1,2-Dichloropropane	9.37	63	44471	47.321	ug/l	96
46) Dibromomethane	9.46	93	23840	46.450	ug/l	100
47) Bromodichloromethane	9.65	83	59790	46.020	ug/l	99
48) Methyl methacrylate	9.43	41	29706	51.881	ug/l	92
49) 1,4-Dioxane	9.44	88	8240	1121.162	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	149554	239.569	ug/l	100
52) Toluene	10.38	92	123833	48.663	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	54843	42.681	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	62207	42.128	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33159	47.667	ug/l	96
56) Ethyl methacrylate	10.65	69	29191	33.811	ug/l	97
57) 1,3-Dichloropropane	10.93	76	56792	46.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	111519	249.167	ug/l	99
59) 2-Hexanone	10.97	43	98707	224.892	ug/l	98
60) Dibromochloromethane	11.13	129	39681	46.093	ug/l	97
61) 1,2-Dibromoethane	11.24	107	32444	47.575	ug/l	100
64) Tetrachloroethene	10.86	164	50349	55.114	ug/l	96
65) Chlorobenzene	11.66	112	131675	47.755	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45809	49.757	ug/l	99
67) Ethyl Benzene	11.73	91	232087	46.593	ug/l	99
68) m/p-Xylenes	11.84	106	182097	92.616	ug/l	98
69) o-Xylene	12.17	106	83103	45.426	ug/l	98
70) Styrene	12.18	104	128813	43.519	ug/l	99
71) Bromoform	12.35	173	23178	46.887	ug/l #	100
73) Isopropylbenzene	12.46	105	234758	51.951	ug/l	99
74) N-amyl acetate	12.27	43	27113	25.345	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	40287	56.519	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	52497	105.298	ug/l #	1
77) Bromobenzene	12.75	156	54916	53.188	ug/l	96
78) n-propylbenzene	12.80	91	274427	49.304	ug/l	99
79) 2-Chlorotoluene	12.90	91	153807	49.183	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	180861	46.432	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10420	46.748	ug/l	99
82) 4-Chlorotoluene	12.99	91	158545	47.560	ug/l	97
83) tert-Butylbenzene	13.21	119	161373	49.123	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	184087	46.719	ug/l	99
85) sec-Butylbenzene	13.39	105	231492	47.561	ug/l	100
86) p-Isopropyltoluene	13.50	119	194763	44.730	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102892	47.419	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	100028	46.647	ug/l	98
89) n-Butylbenzene	13.83	91	171257	41.373	ug/l	99
90) Hexachloroethane	14.10	117	36800	49.004	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	91755	47.928	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7126	56.130	ug/l	92

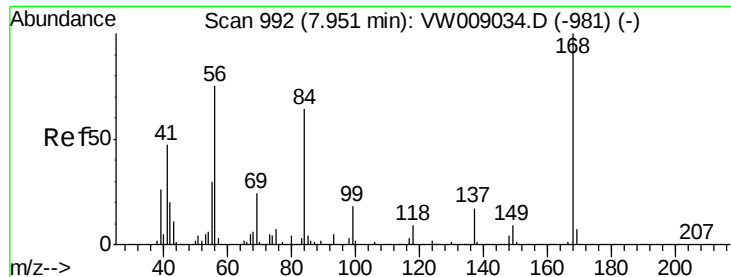
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	48322	37.375	ug/l	98
94) Hexachlorobutadiene	15.24	225	30487	37.646	ug/l	98
95) Naphthalene	15.37	128	82420	38.943	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	42683	37.544	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampled :

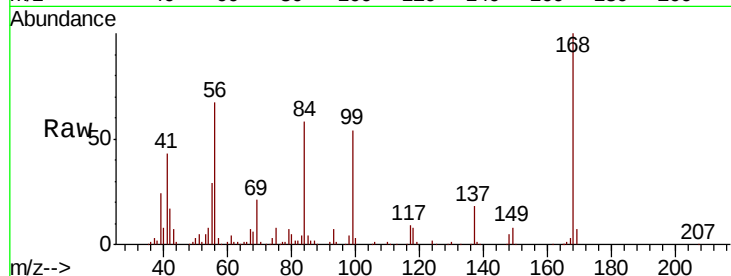
SD2-0.5-1.0MSD

Tot Ion:168 Resp: 98878

Ion Ratio Lower Upper

168 100

99 53.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

20000

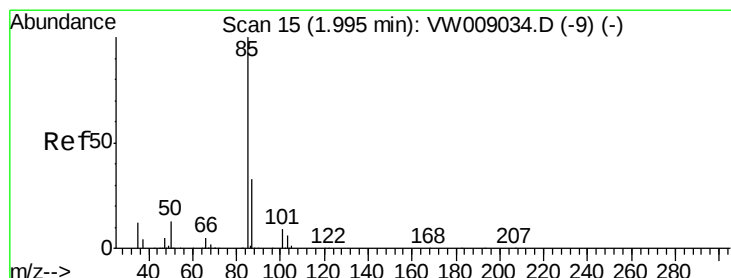
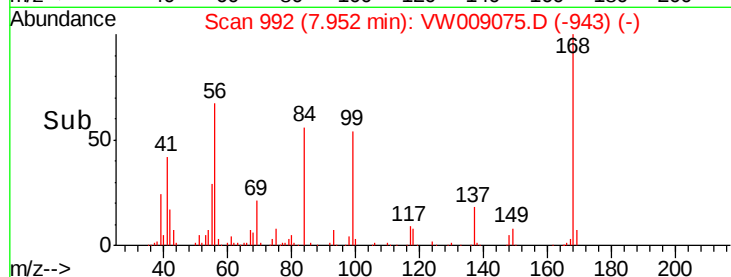
10000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 44.136 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009075.D

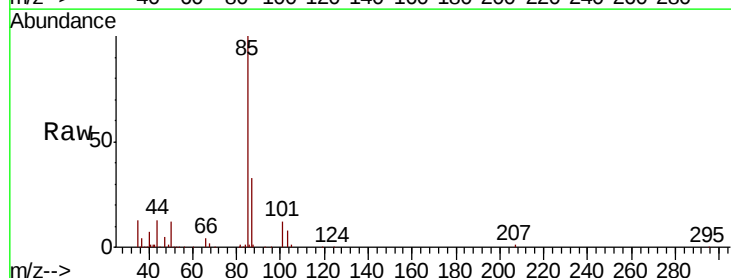
Acq: 09 Mar 2019 00:24

Tgt Ion: 85 Resp: 43981

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

20000

10000

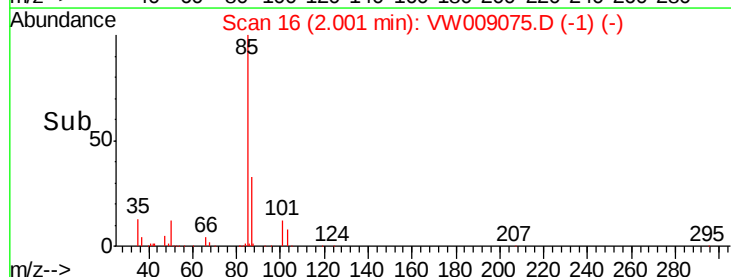
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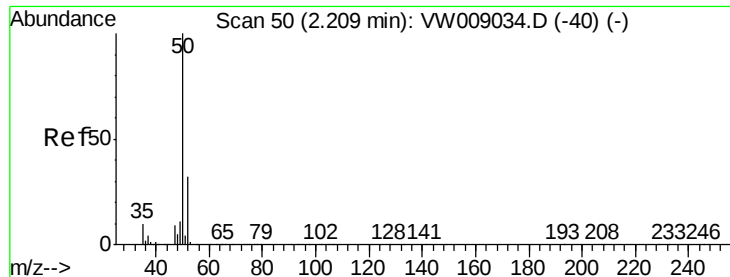
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 42.726 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

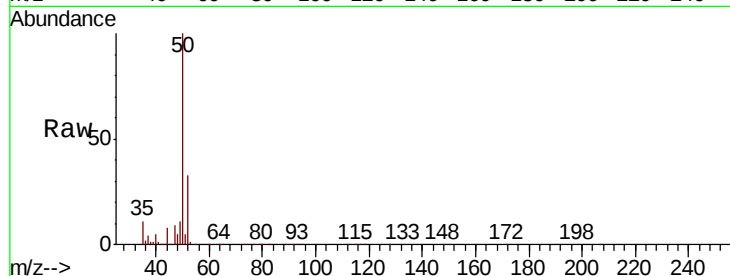
SD2-0.5-1.0MSD

Tot Ion: 50 Resp: 54087

Ion Ratio Lower Upper

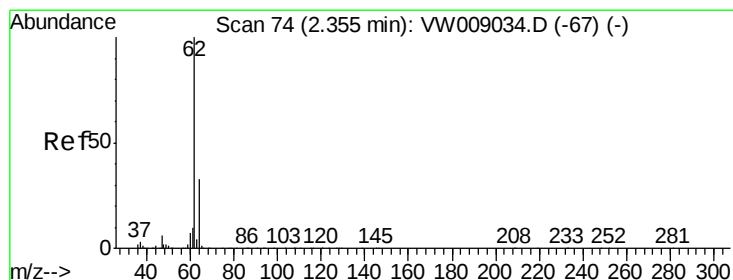
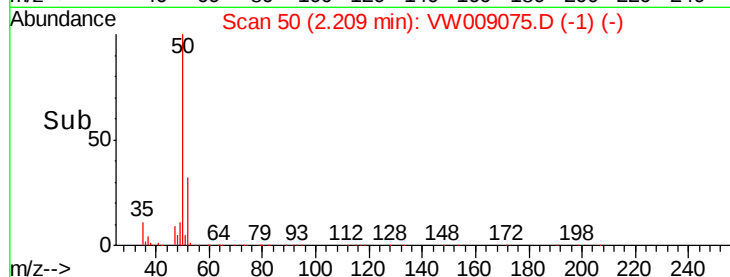
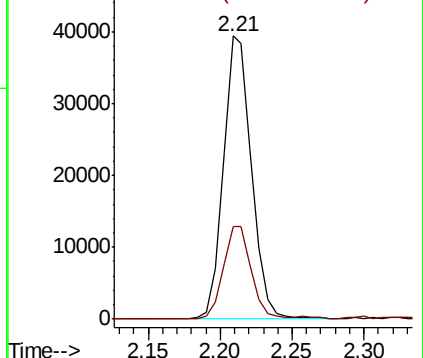
50 100

52 32.4 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 45.868 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009075.D

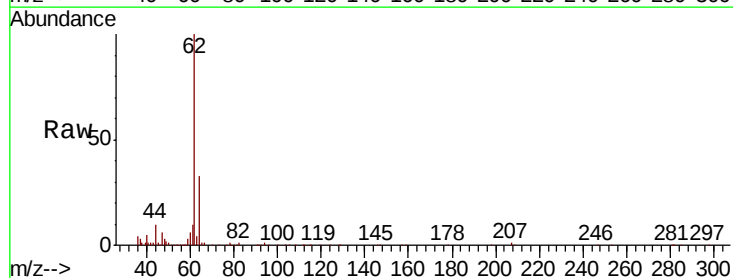
Acq: 09 Mar 2019 00:24

Tgt Ion: 62 Resp: 58926

Ion Ratio Lower Upper

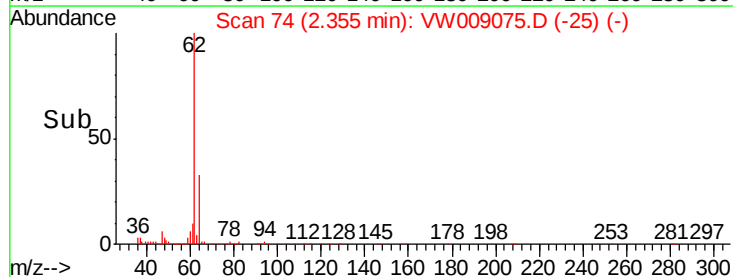
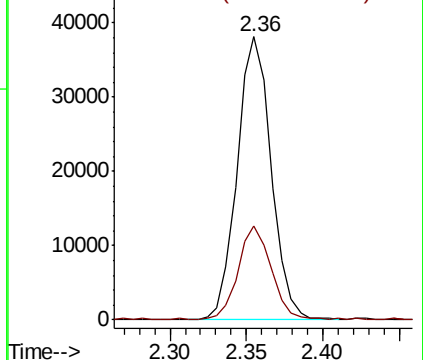
62 100

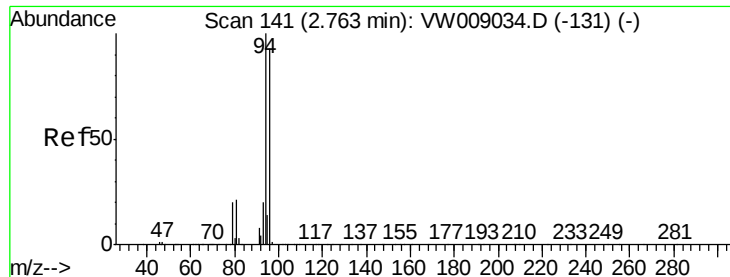
64 33.4 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 44.475 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

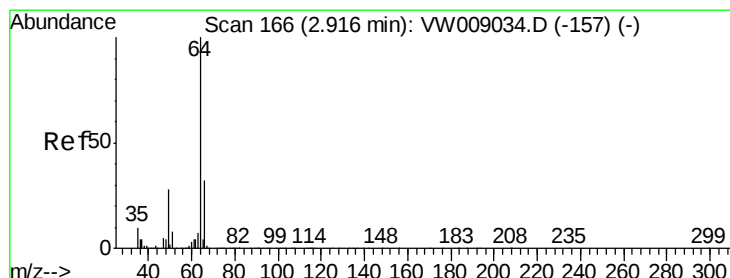
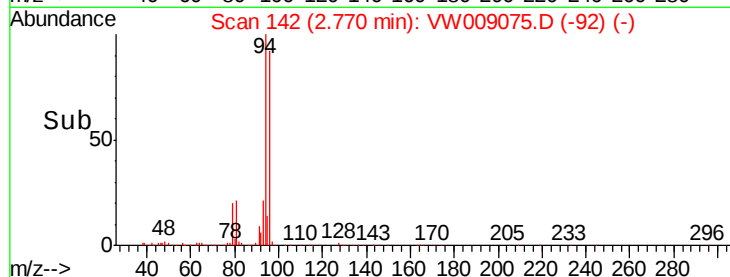
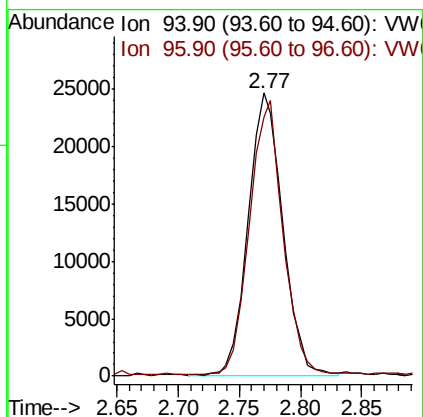
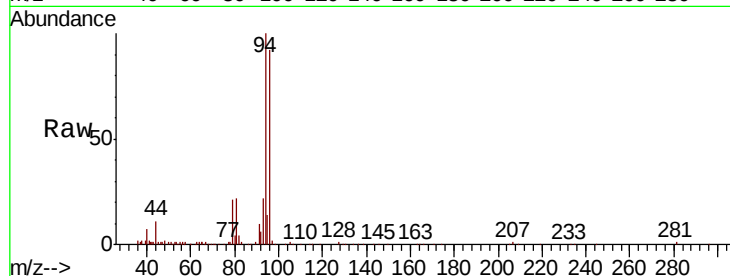
SD2-0.5-1.0MSD

Tot Ion: 94 Resp: 48230

Ion Ratio Lower Upper

94 100

96 91.4 74.4 111.6



#6

Chloroethane

Concen: 45.501 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009075.D

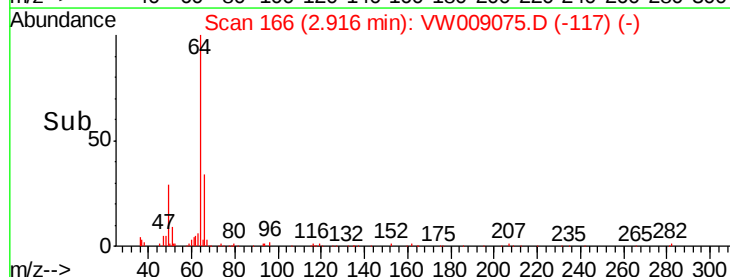
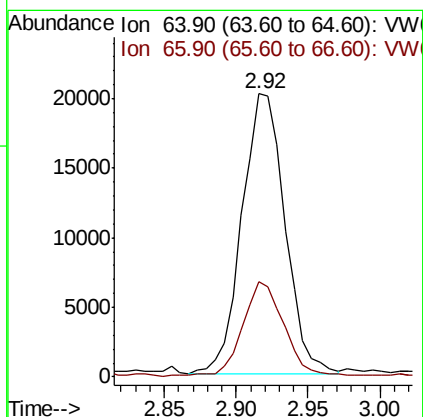
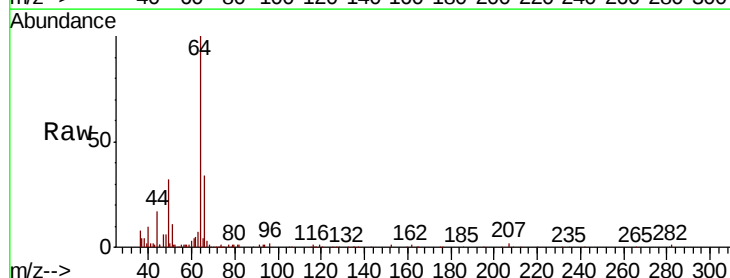
Acq: 09 Mar 2019 00:24

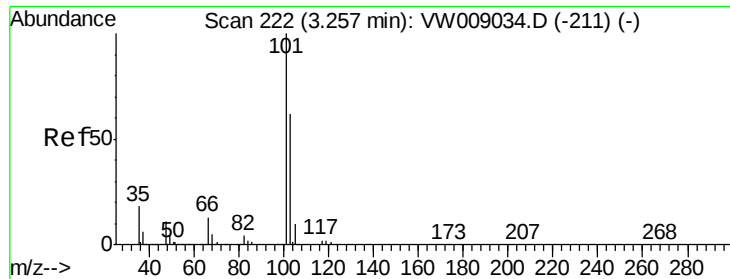
Tgt Ion: 64 Resp: 41614

Ion Ratio Lower Upper

64 100

66 33.7 25.5 38.3



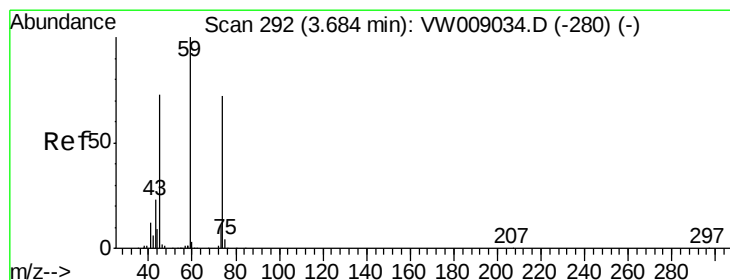
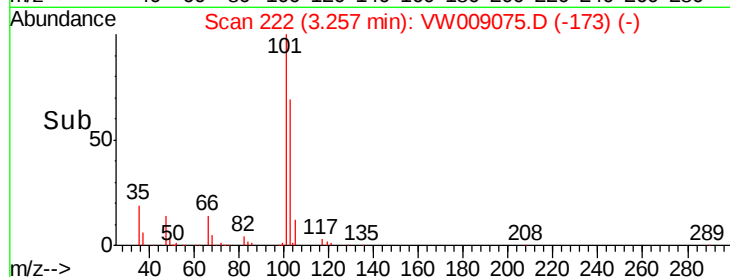
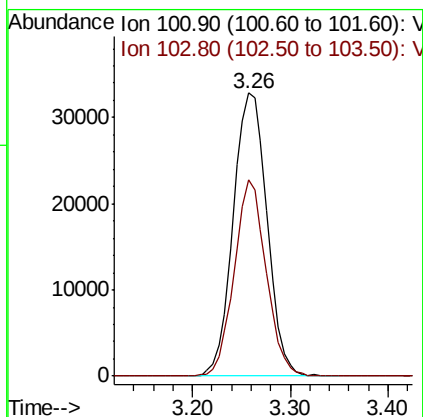
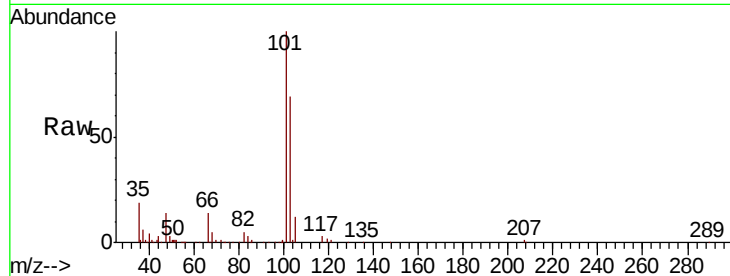


#7

Trichlorofluoromethane
 Concen: 47.646 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Instrument :
 MSVOA_W
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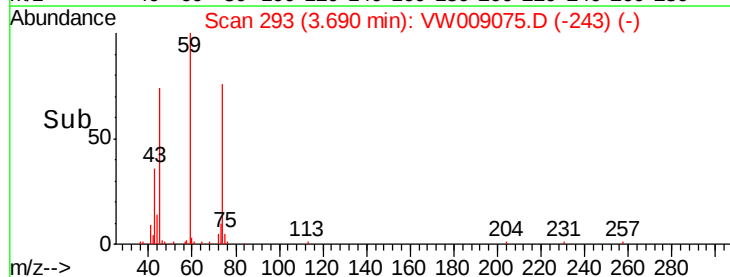
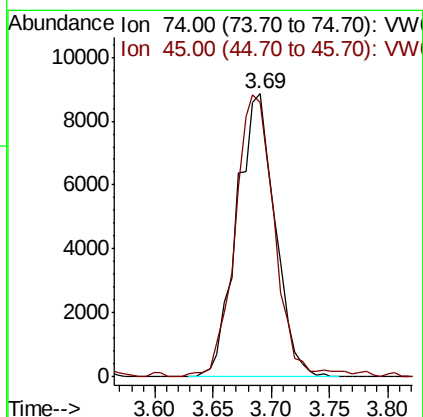
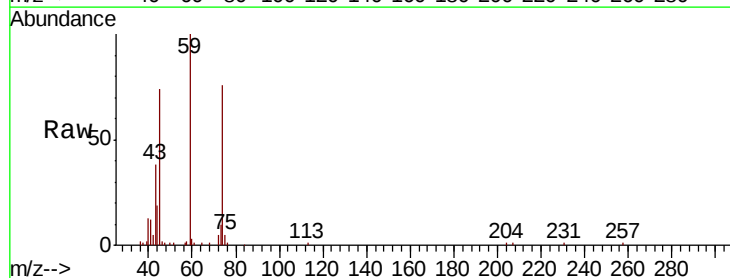
Tot Ion:101 Resp: 78812
 Ion Ratio Lower Upper
 101 100
 103 69.3 49.9 74.9

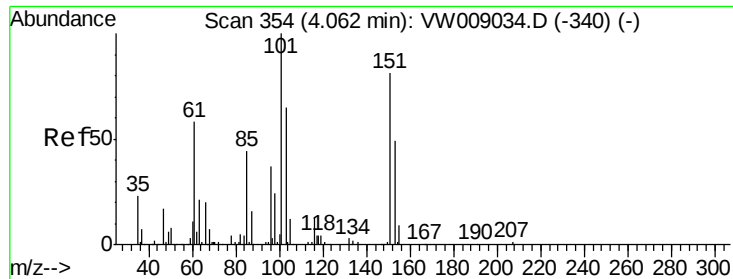


#8

Diethyl Ether
 Concen: 40.224 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Tgt Ion: 74 Resp: 20344
 Ion Ratio Lower Upper
 74 100
 45 100.8 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.152 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

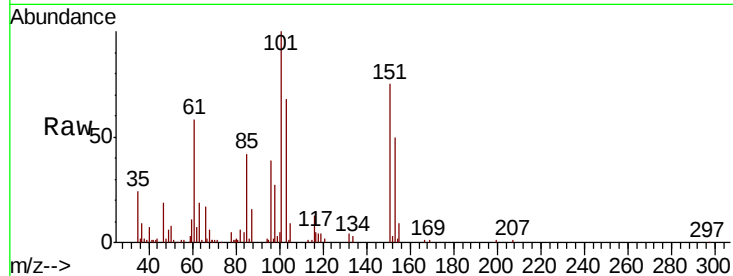
Tot Ion:101 Resp: 47546

Ion Ratio Lower Upper

101 100

85 45.9 36.2 54.4

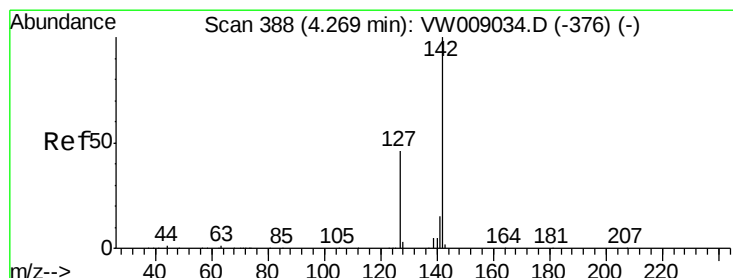
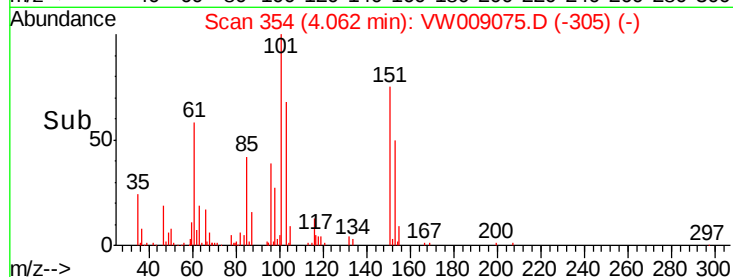
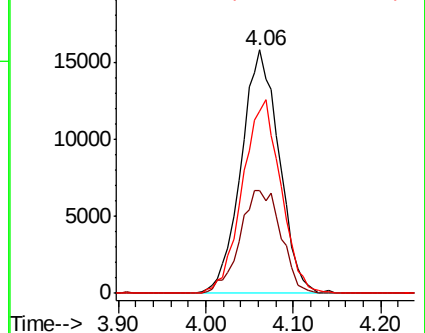
151 80.2 63.4 95.2



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: 22.477 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

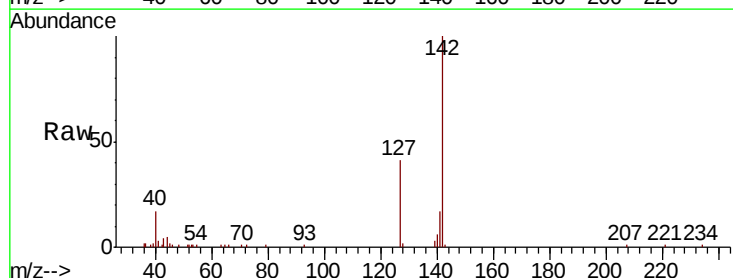
Tgt Ion:142 Resp: 23024

Ion Ratio Lower Upper

142 100

127 46.0 35.8 53.6

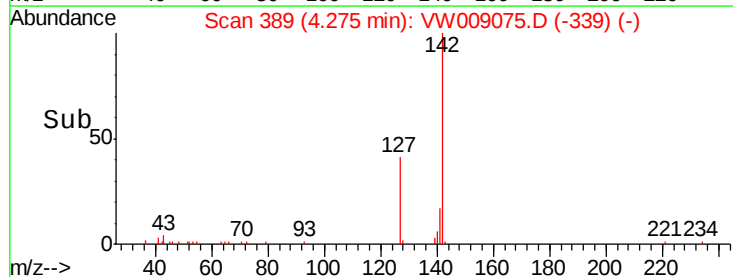
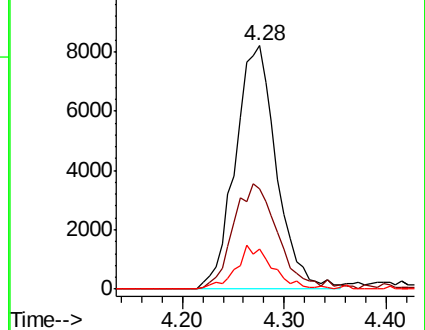
141 15.7 11.8 17.8

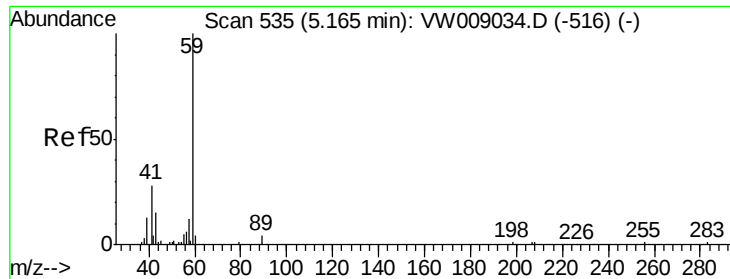


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

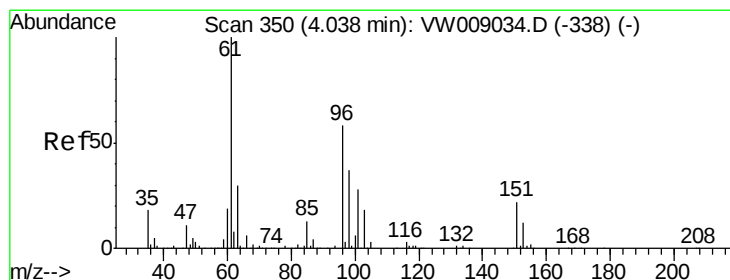
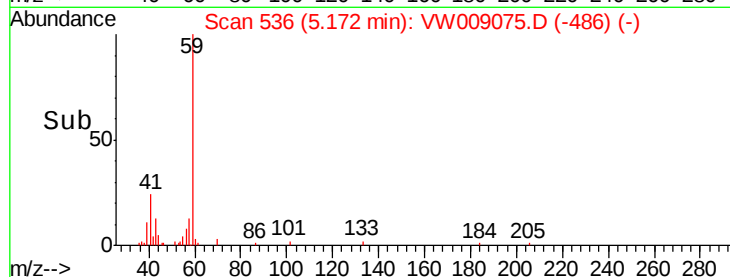
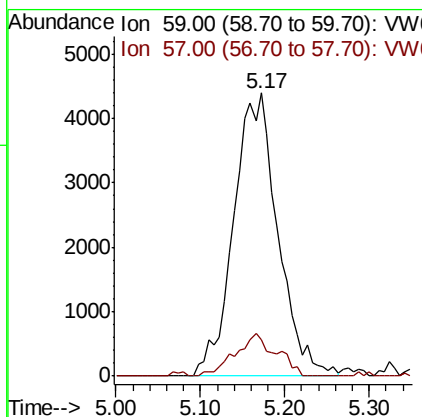
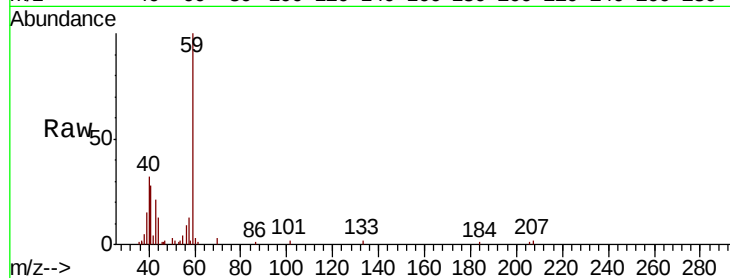




#11
Tert butyl alcohol
Concen: 205.595 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

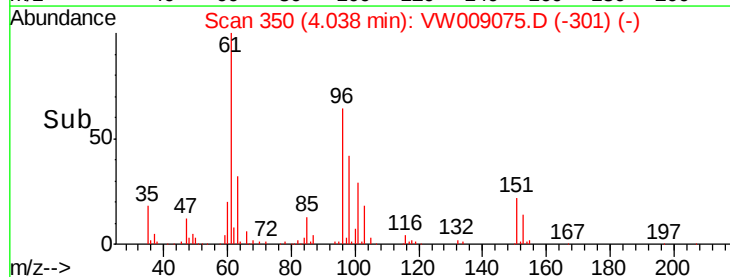
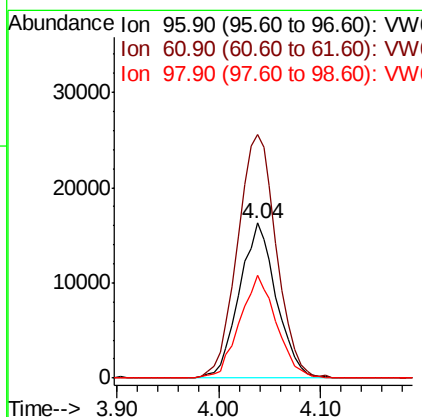
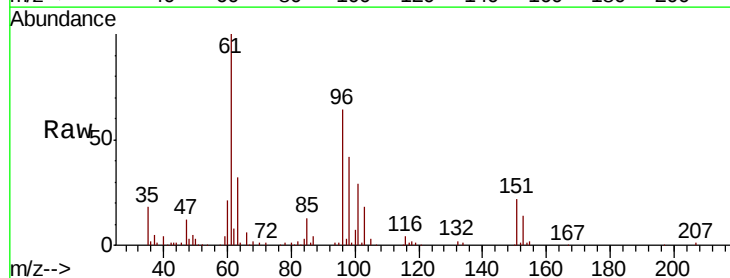
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

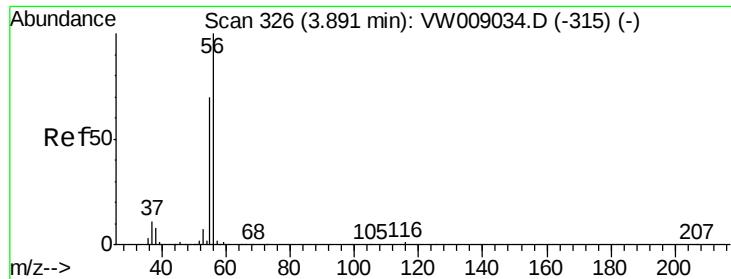
Tot Ion: 59 Resp: 15673
Ion Ratio Lower Upper
59 100
57 13.9 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 46.233 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion: 96 Resp: 41085
Ion Ratio Lower Upper
96 100
61 156.9 138.2 207.2
98 66.1 51.3 76.9





#13

Acrolein

Concen: 64.814 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

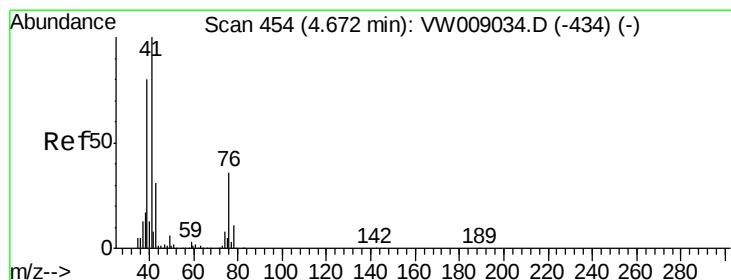
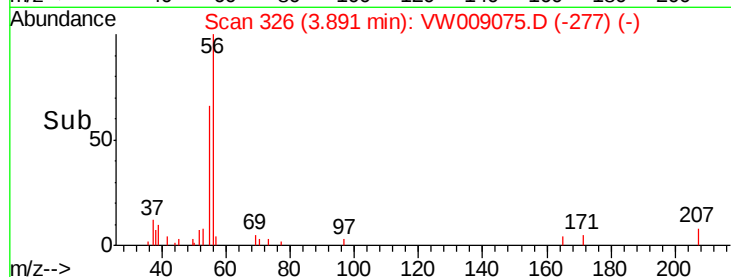
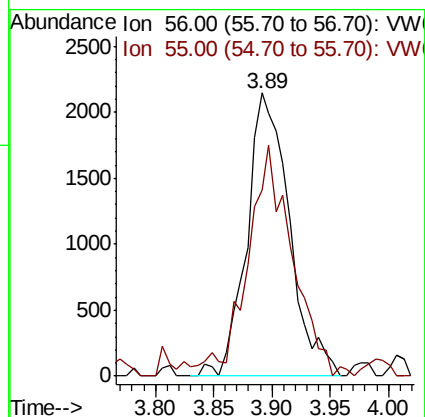
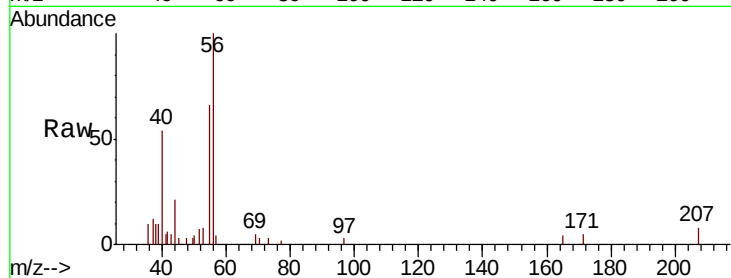
SD2-0.5-1.0MSD

Tot Ion: 56 Resp: 5437

Ion Ratio Lower Upper

56 100

55 87.2 56.6 84.8#



#14

Allyl chloride

Concen: 42.806 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

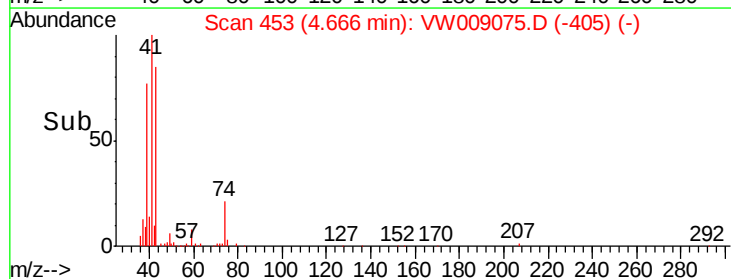
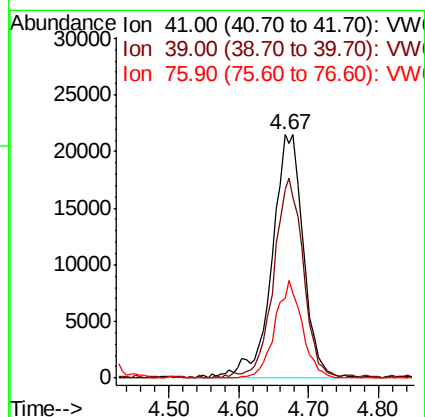
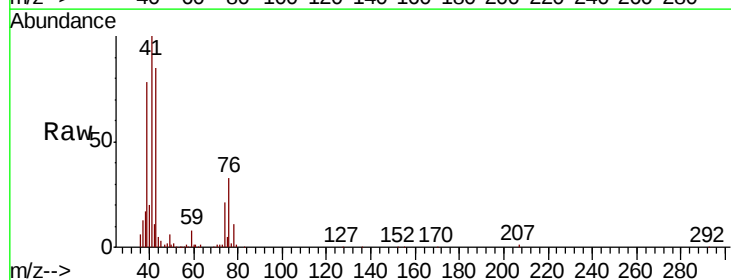
Tgt Ion: 41 Resp: 67100

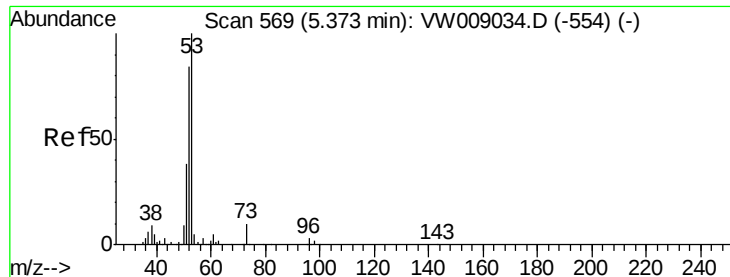
Ion Ratio Lower Upper

41 100

39 78.8 63.0 94.4

76 34.8 28.2 42.2





#15

Acrylonitrile

Concen: 209.510 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

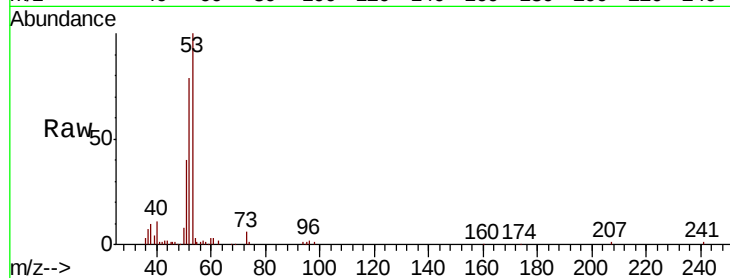
Tot Ion: 53 Resp: 46248

Ion Ratio Lower Upper

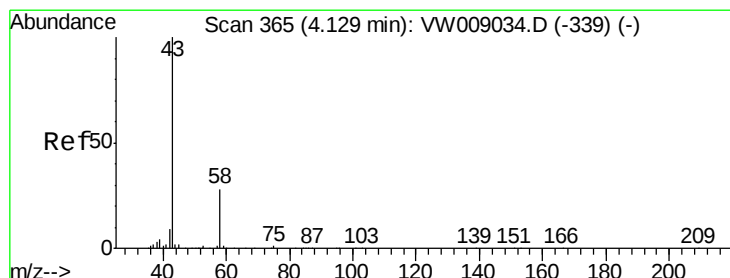
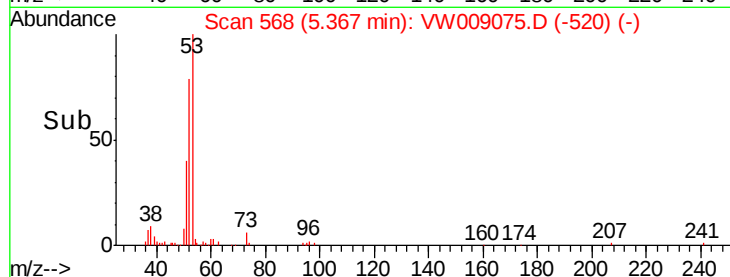
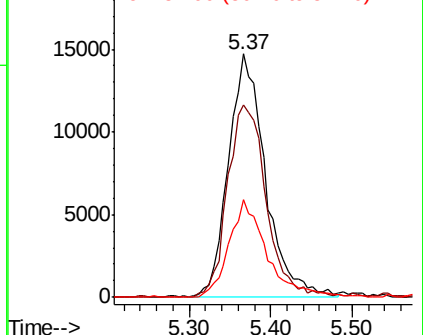
53 100

52 82.4 67.2 100.8

51 40.6 31.8 47.6



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: 171.395 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009075.D

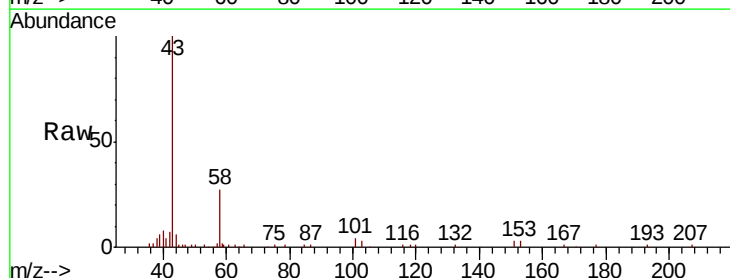
Acq: 09 Mar 2019 00:24

Tgt Ion: 43 Resp: 38476

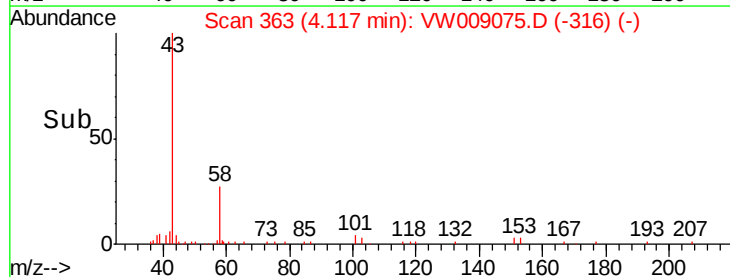
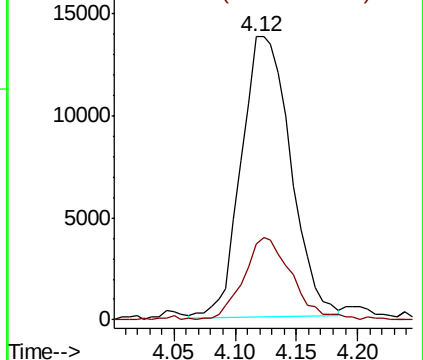
Ion Ratio Lower Upper

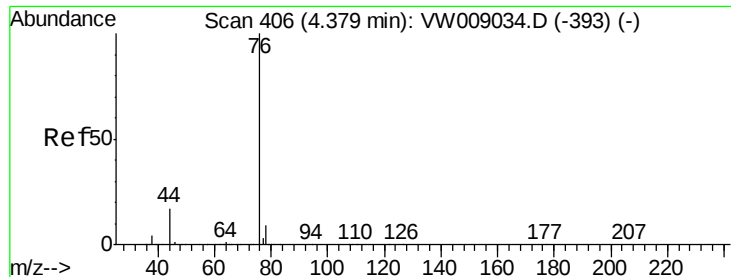
43 100

58 26.5 22.5 33.7



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





#17

Carbon Disulfide

Concen: 43.085 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

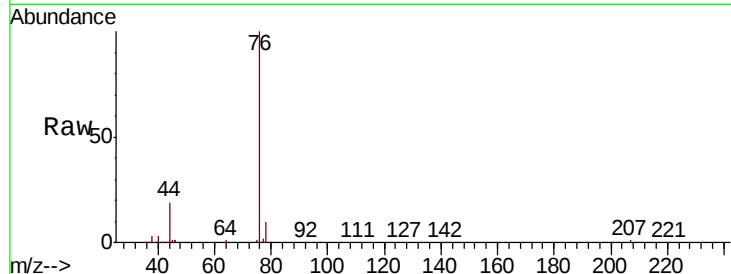
SD2-0.5-1.0MSD

Tot Ion: 76 Resp: 128821

Ion Ratio Lower Upper

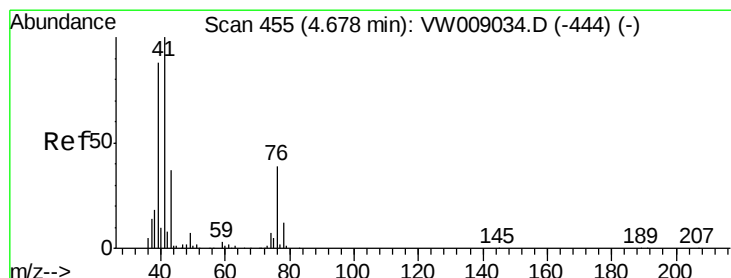
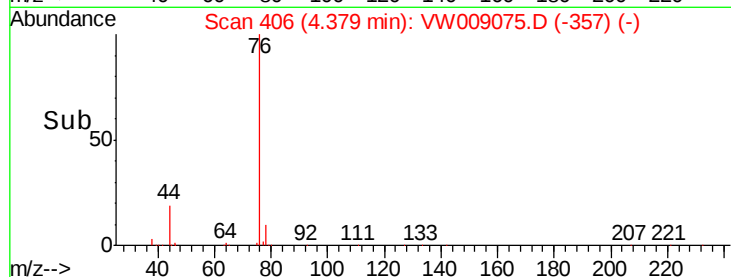
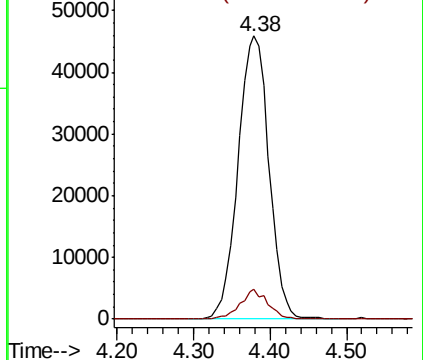
76 100

78 10.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 110.935 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009075.D

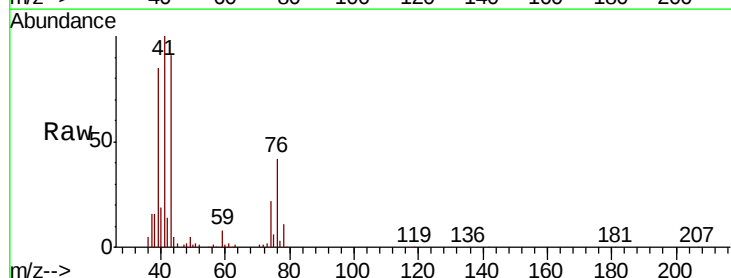
Acq: 09 Mar 2019 00:24

Tgt Ion: 43 Resp: 57266

Ion Ratio Lower Upper

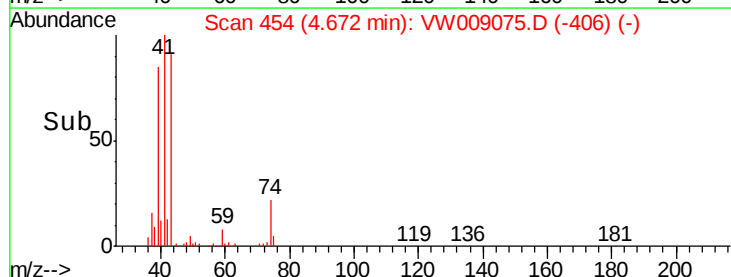
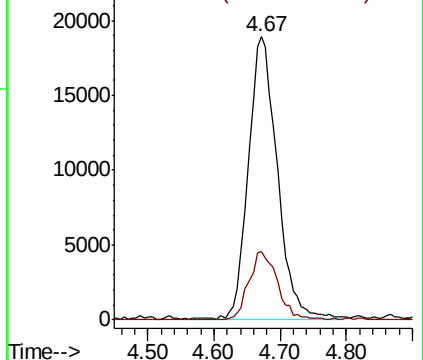
43 100

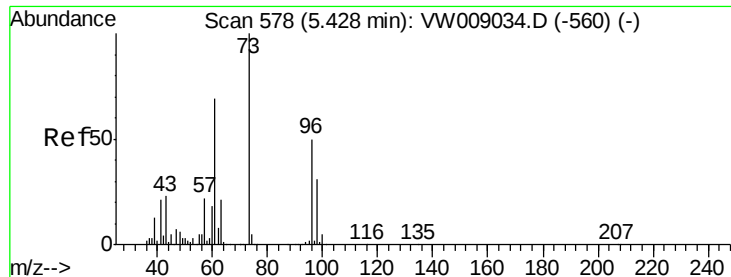
74 24.0 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

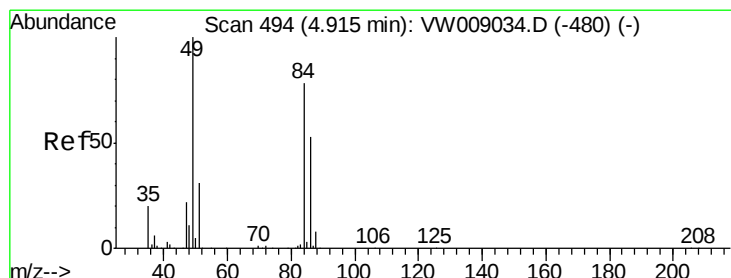
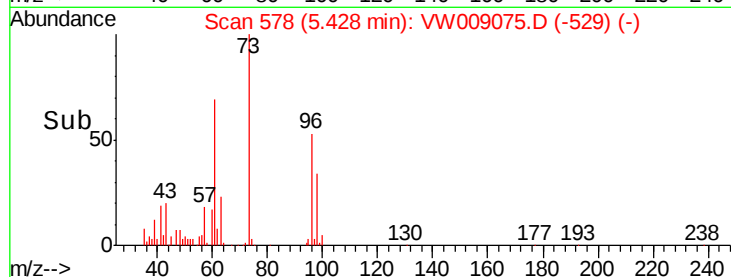
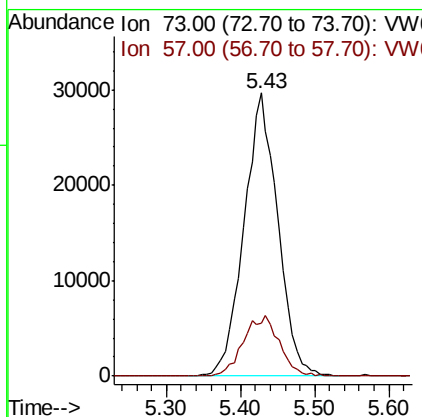
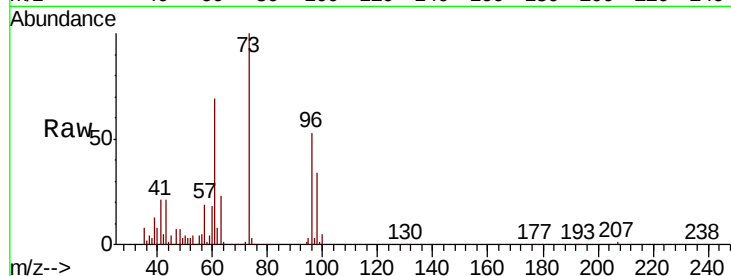




#19
Methyl tert-butyl Ether
Concen: 39.998 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

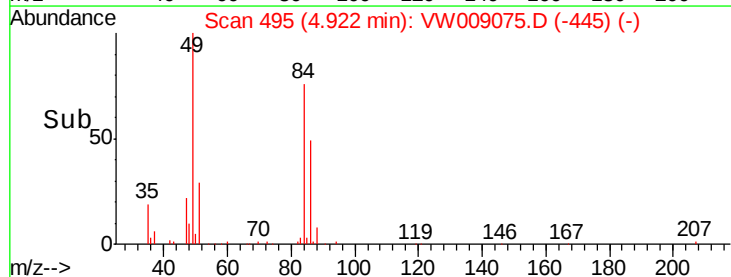
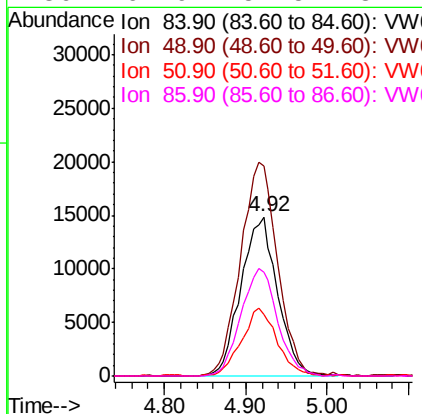
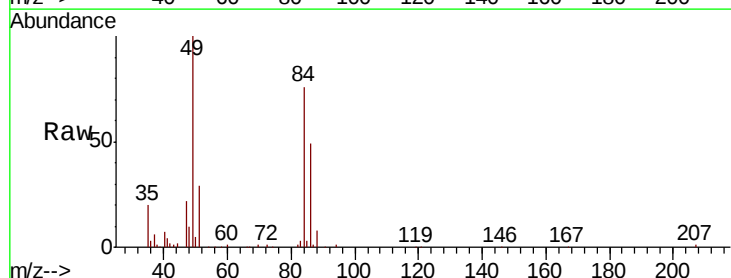
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

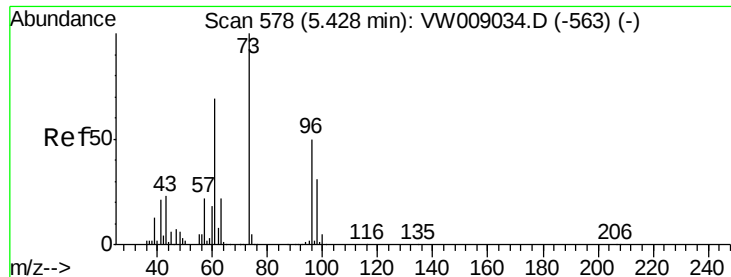
Tot Ion: 73 Resp: 94025
Ion Ratio Lower Upper
73 100
57 18.7 17.3 25.9



#20
Methylene Chloride
Concen: 43.156 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion: 84 Resp: 46358
Ion Ratio Lower Upper
84 100
49 132.2 102.4 153.6
51 38.7 31.6 47.4
86 64.9 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 45.488 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

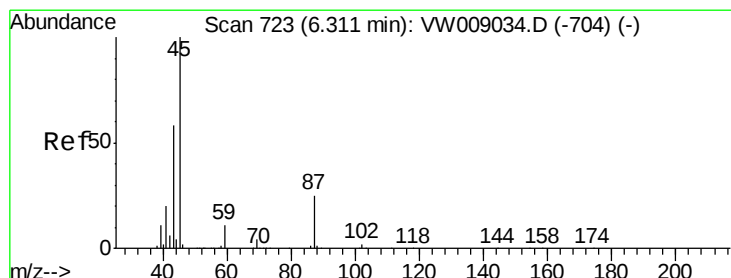
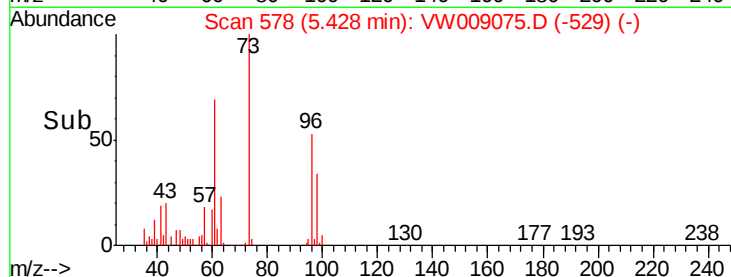
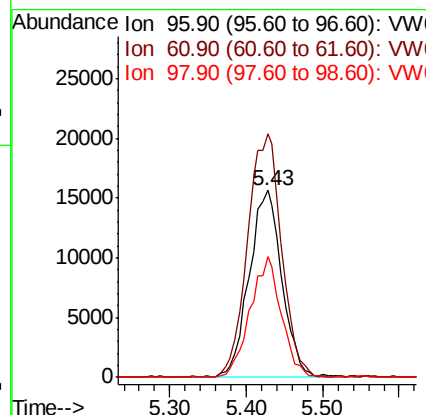
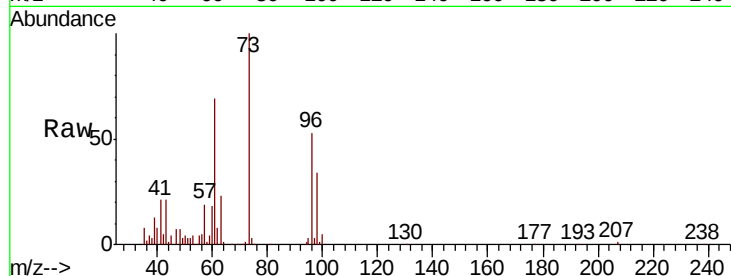
Tot Ion: 96 Resp: 46675

Ion Ratio Lower Upper

96 100

61 129.5 111.0 166.6

98 64.6 49.4 74.0



#22

Diisopropyl ether

Concen: 42.458 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Tgt Ion: 45 Resp: 132262

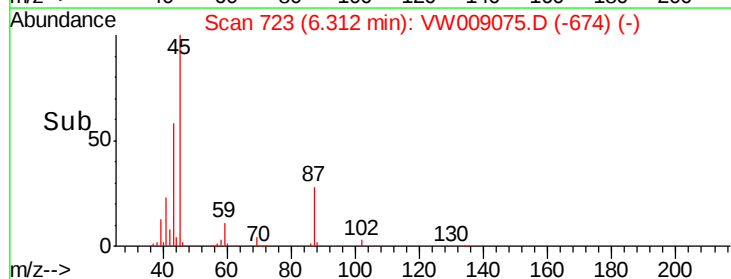
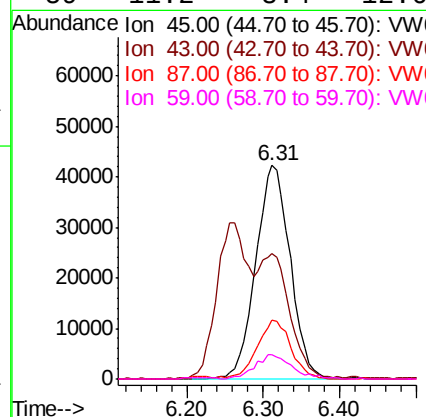
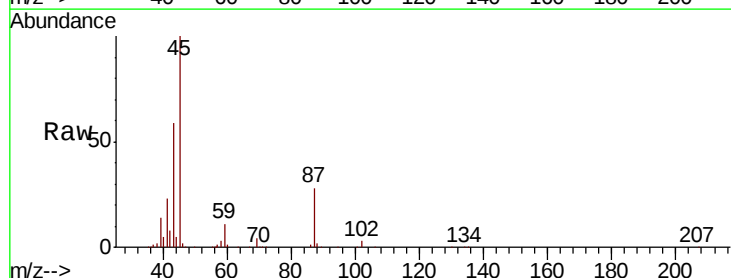
Ion Ratio Lower Upper

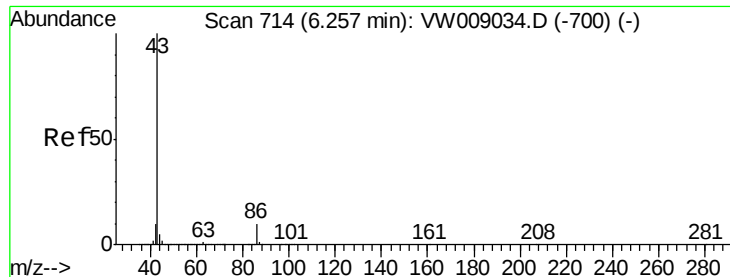
45 100

43 57.9 46.2 69.4

87 27.8 20.1 30.1

59 11.2 8.4 12.6





#23

Vinyl Acetate

Concen: 46.112 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

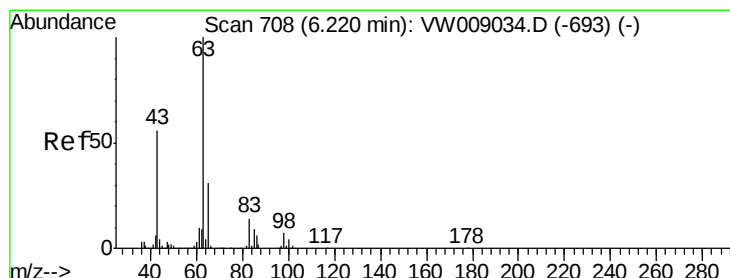
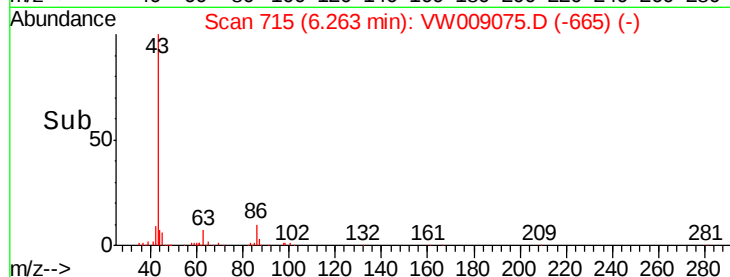
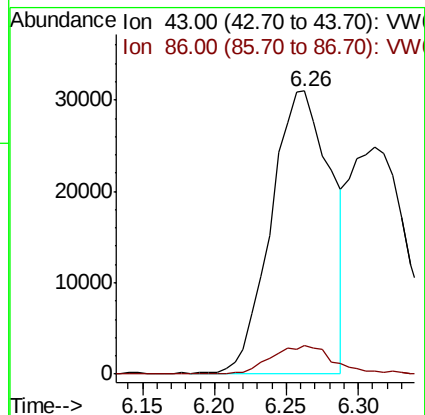
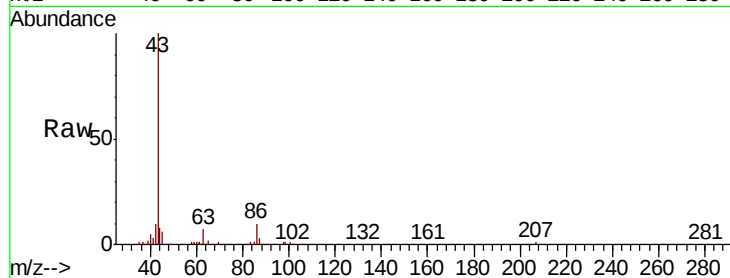
SD2-0.5-1.0MSD

Tot Ion: 43 Resp: 89389

Ion Ratio Lower Upper

43 100

86 9.8 7.6 11.4



#24

1,1-Dichloroethane

Concen: 44.513 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

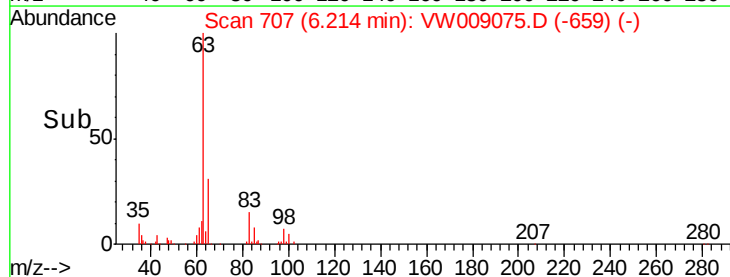
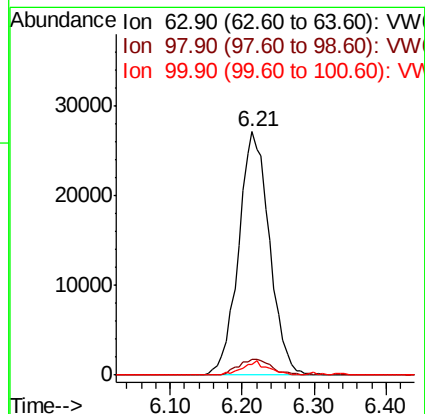
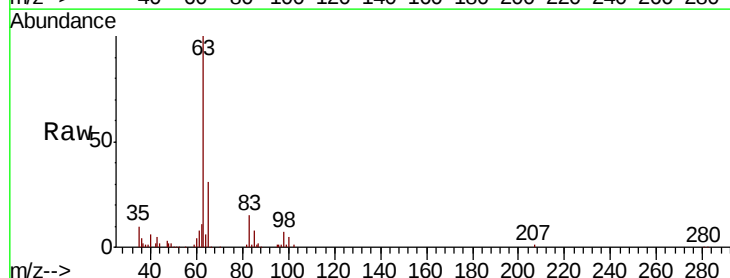
Tgt Ion: 63 Resp: 80428

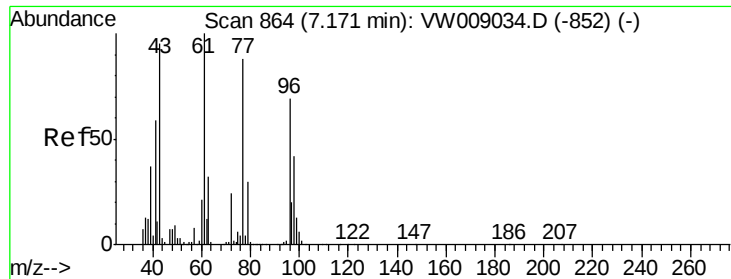
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.5 2.1 6.2





#25

2-Butanone

Concen: 189.991 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

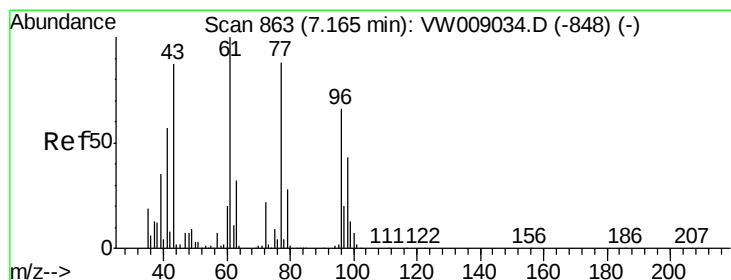
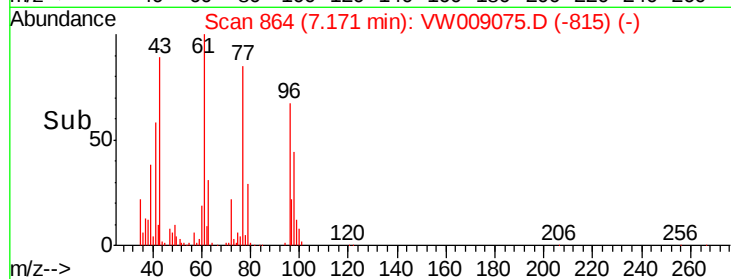
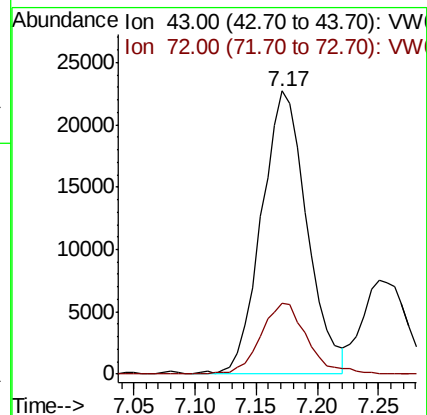
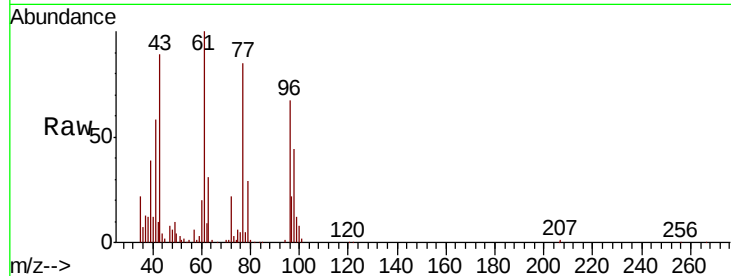
SD2-0.5-1.0MSD

Tot Ion: 43 Resp: 58944

Ion Ratio Lower Upper

43 100

72 25.2 20.0 30.0



#26

2,2-Dichloropropane

Concen: 41.932 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009075.D

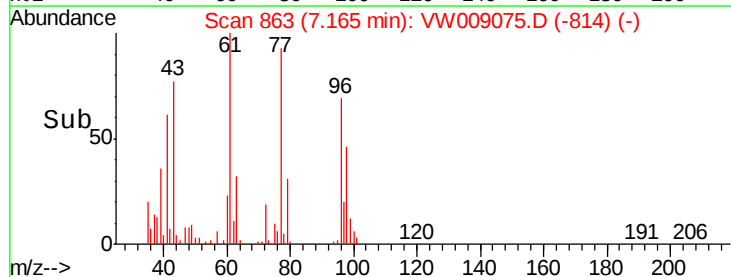
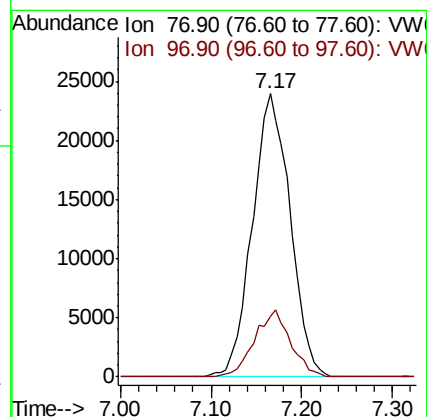
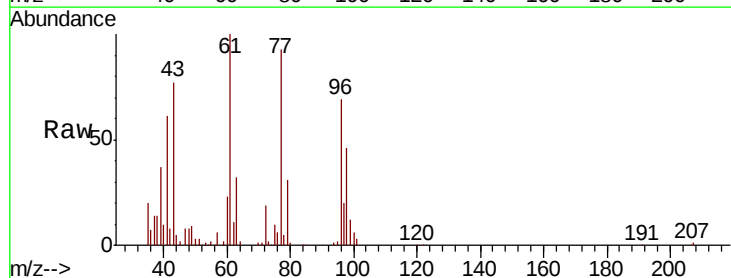
Acq: 09 Mar 2019 00:24

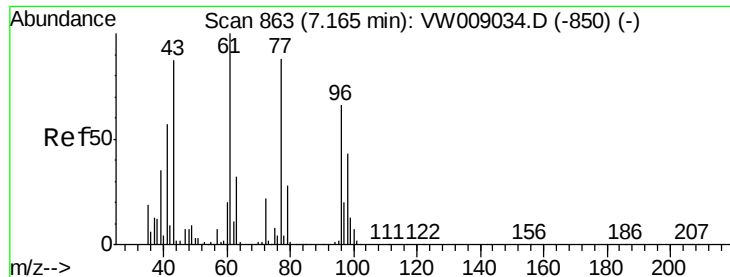
Tgt Ion: 77 Resp: 68868

Ion Ratio Lower Upper

77 100

97 22.7 10.9 32.9



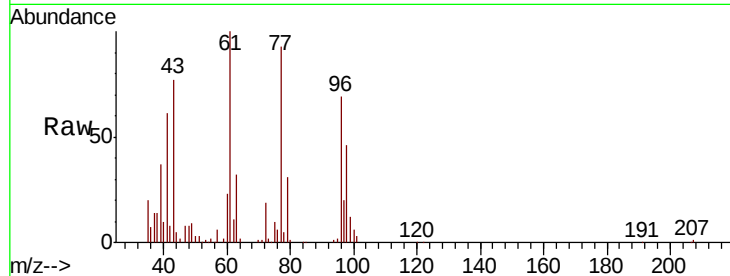


#27

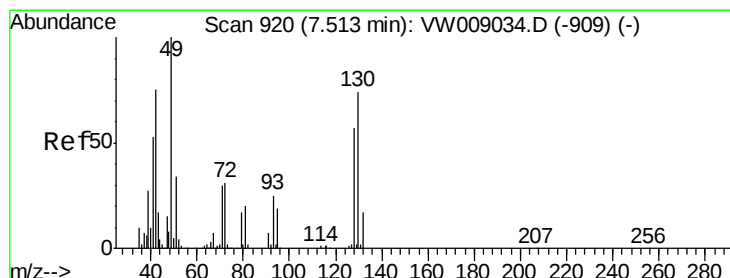
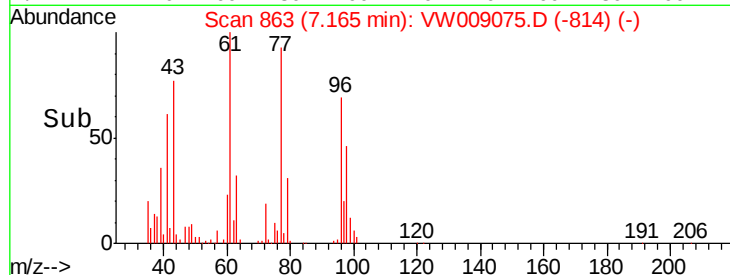
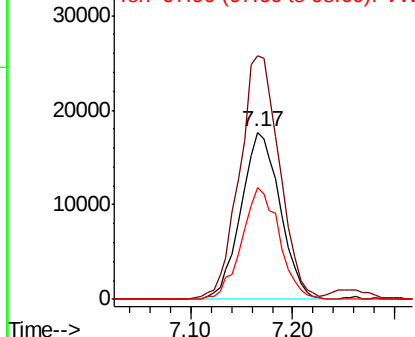
cis-1,2-Dichloroethene
Concen: 42.672 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	96	Resp	47025
Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	299.8
98	64.2	0.0	127.2



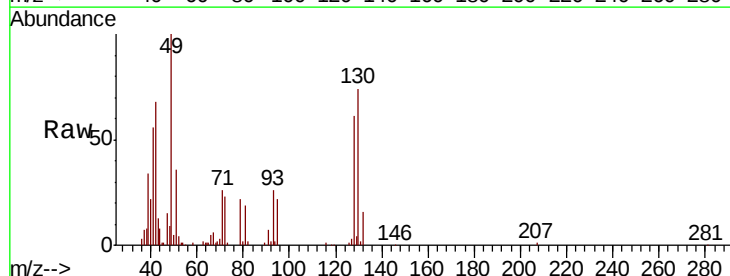
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



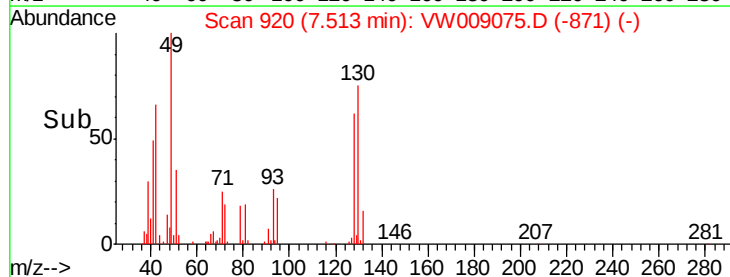
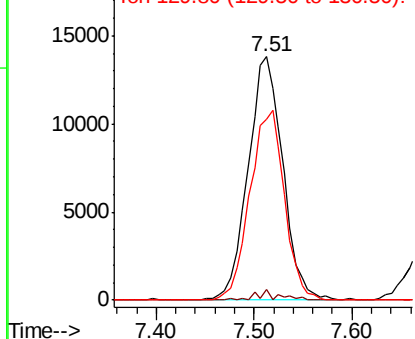
#28

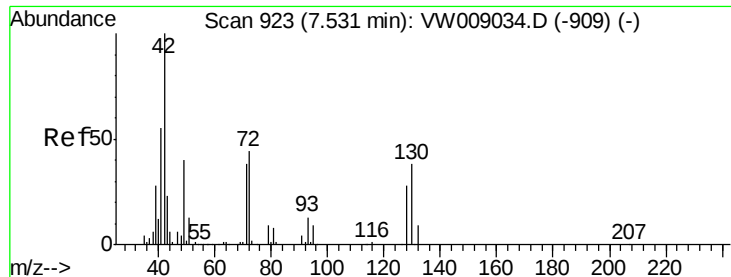
Bromochloromethane
Concen: 45.505 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	49	Resp	34199
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	77.4	60.4	90.6



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

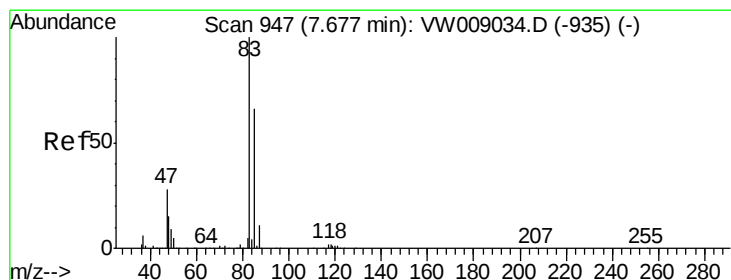
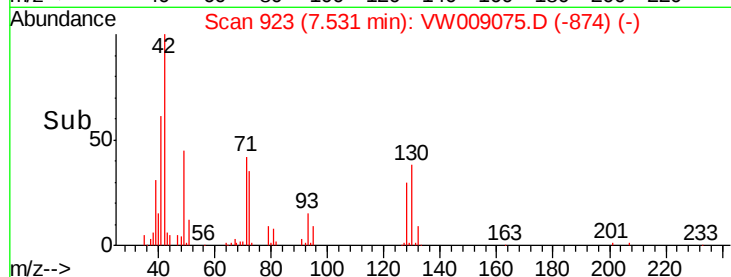
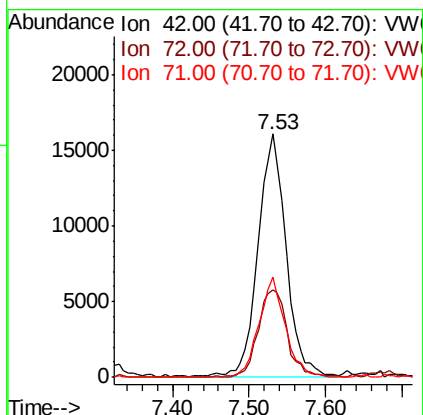
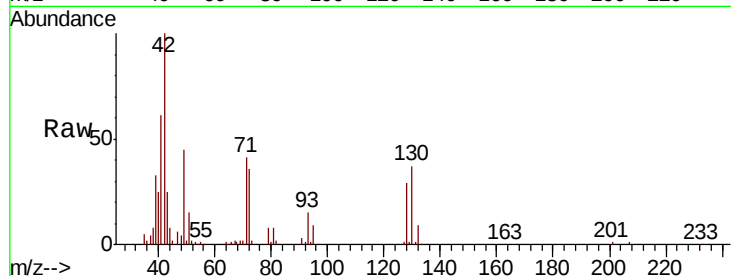




#29
Tetrahydrofuran
Concen: 212.604 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

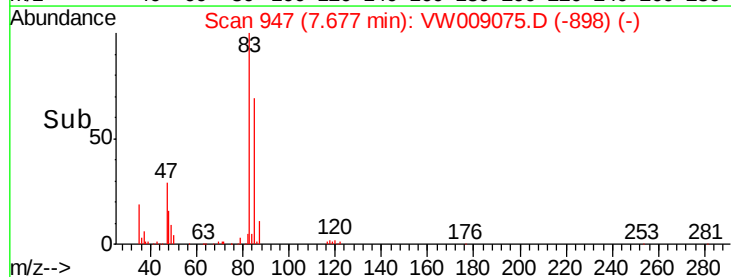
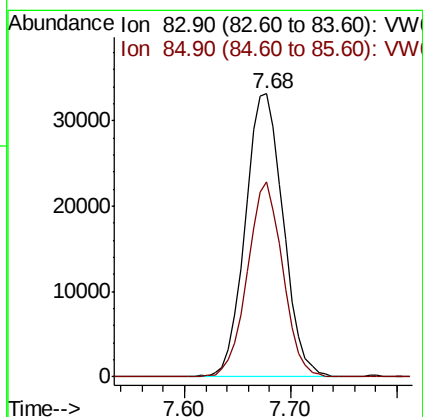
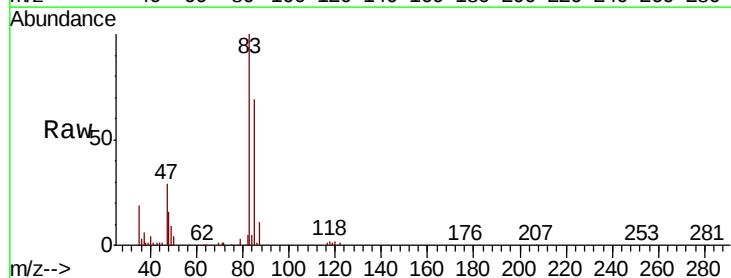
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

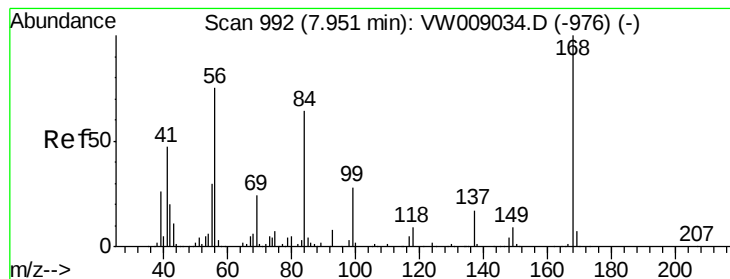
Tot Ion: 42 Resp: 41566
Ion Ratio Lower Upper
42 100
72 37.1 32.2 48.4
71 38.7 30.7 46.1



#30
Chloroform
Concen: 44.560 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion: 83 Resp: 82890
Ion Ratio Lower Upper
83 100
85 69.1 53.0 79.6





#31

Cyclohexane

Concen: 39.141 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

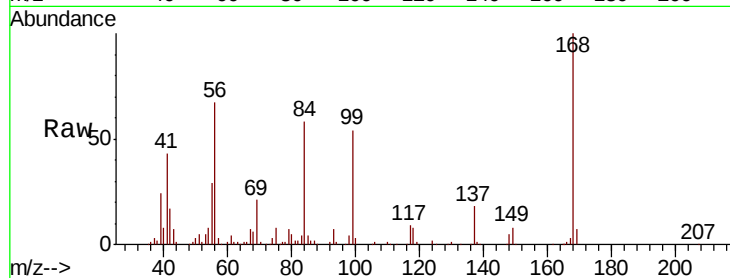
Tot Ion: 56 Resp: 72615

Ion Ratio Lower Upper

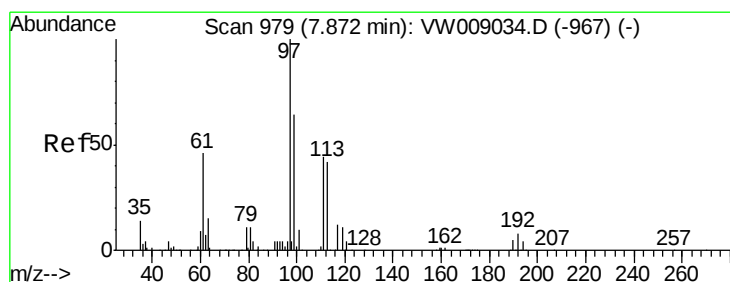
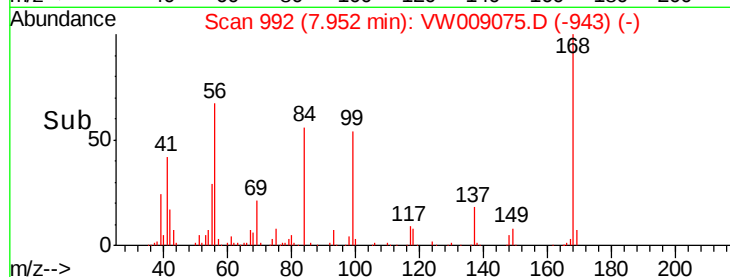
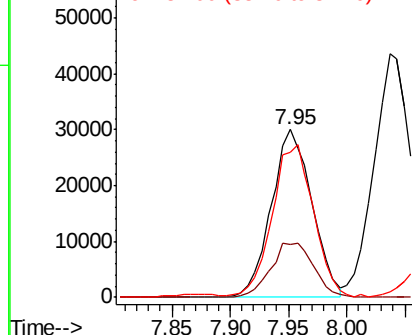
56 100

69 31.3 25.5 38.3

84 84.7 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 47.638 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

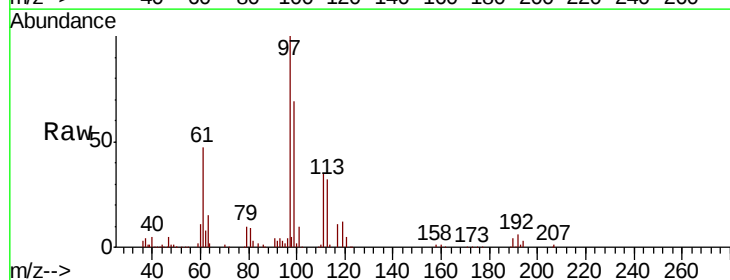
Tgt Ion: 97 Resp: 81780

Ion Ratio Lower Upper

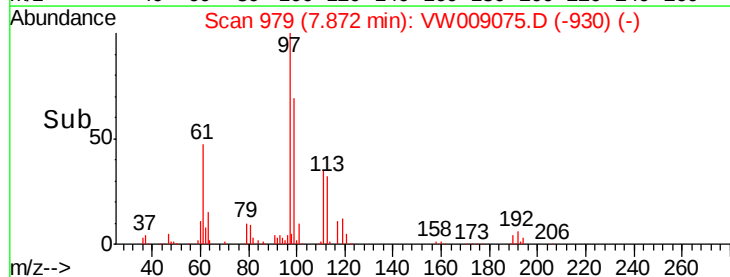
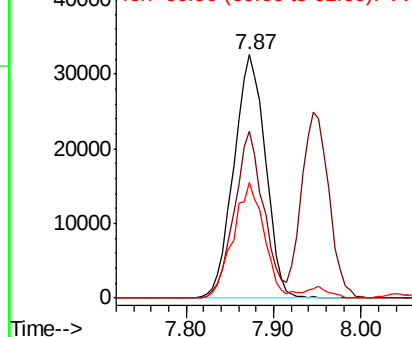
97 100

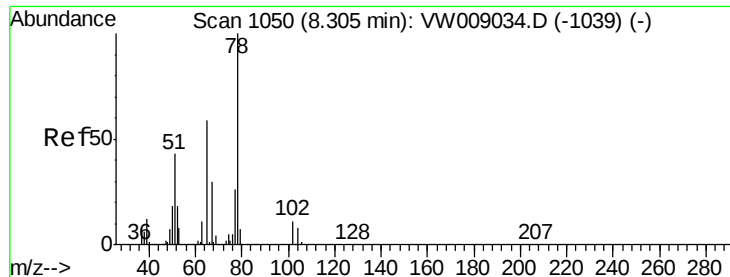
99 64.3 51.8 77.8

61 46.9 37.3 55.9



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: 40.960 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

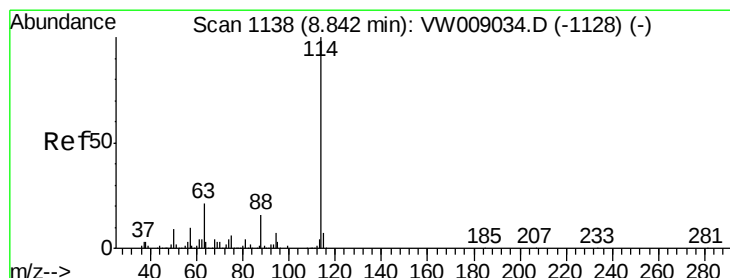
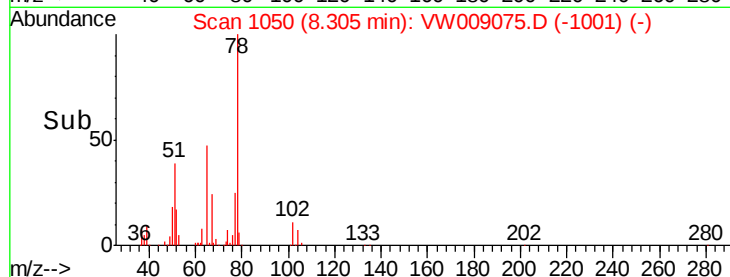
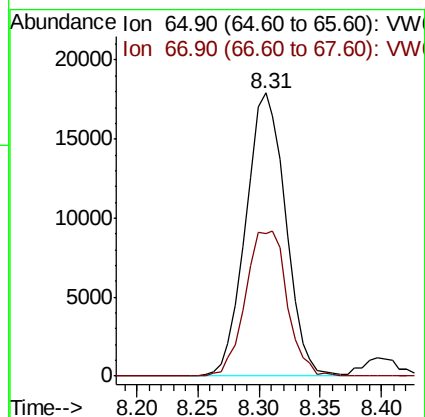
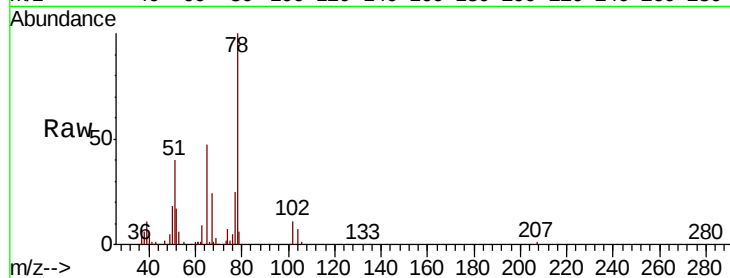
SD2-0.5-1.0MSD

Tot Ion: 65 Resp: 40747

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

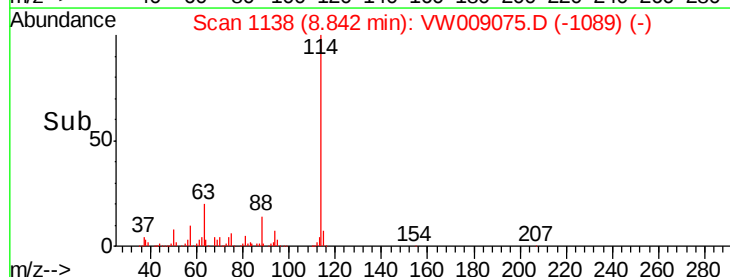
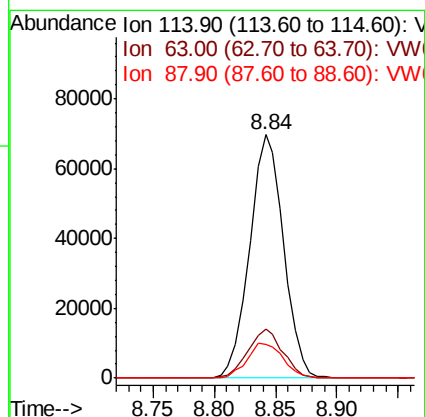
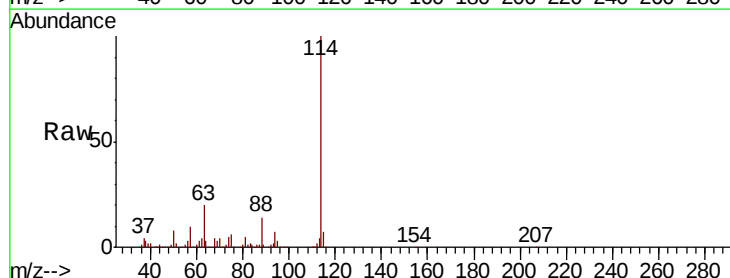
Tgt Ion: 114 Resp: 134429

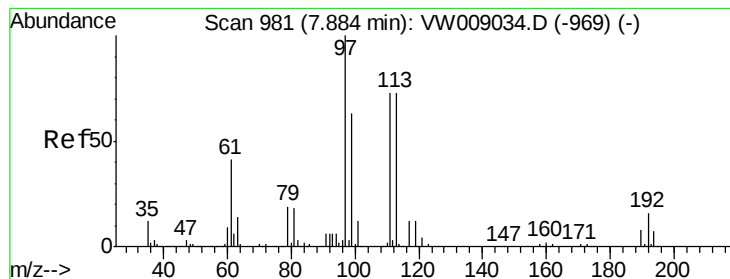
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.2

88 13.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 43.936 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

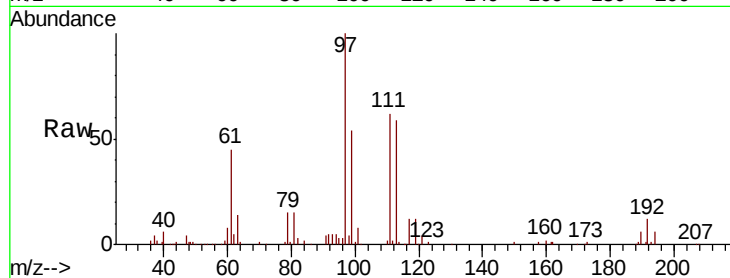
Tot Ion:113 Resp: 35561

Ion Ratio Lower Upper

113 100

111 103.3 81.0 121.4

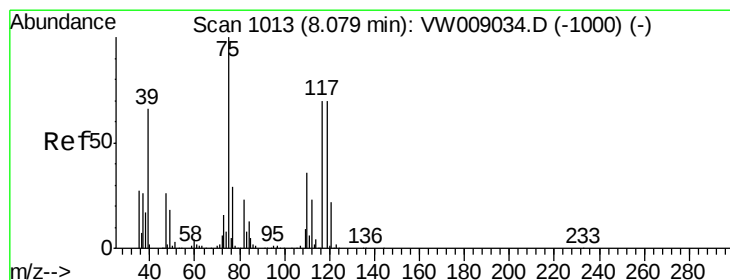
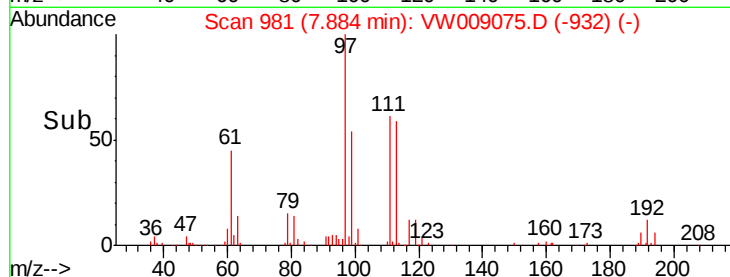
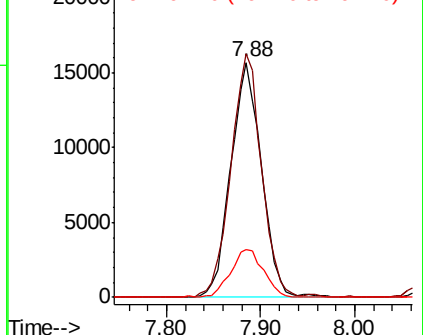
192 21.9 17.1 25.7



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: 49.176 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

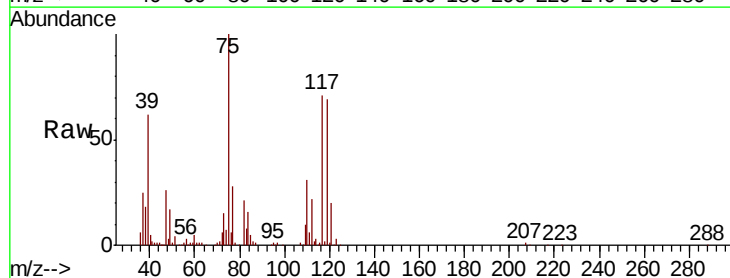
Tgt Ion: 75 Resp: 69123

Ion Ratio Lower Upper

75 100

110 33.8 17.6 52.9

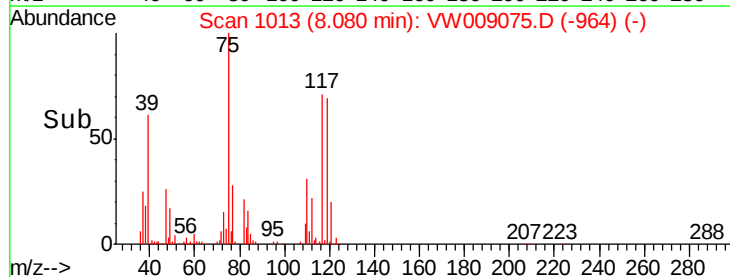
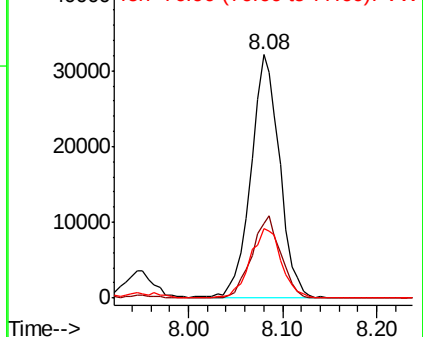
77 31.1 25.1 37.7

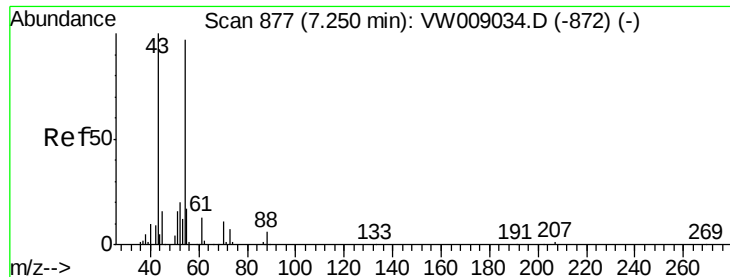


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

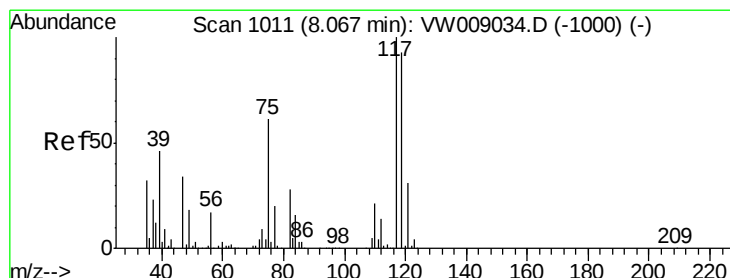
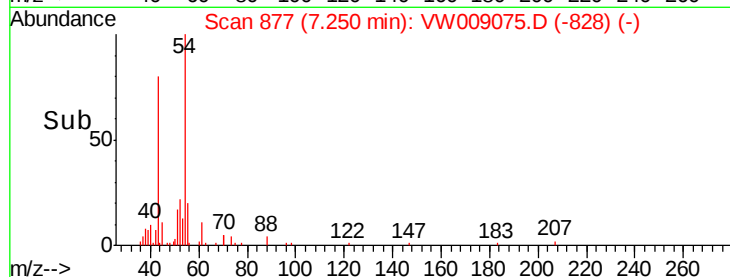
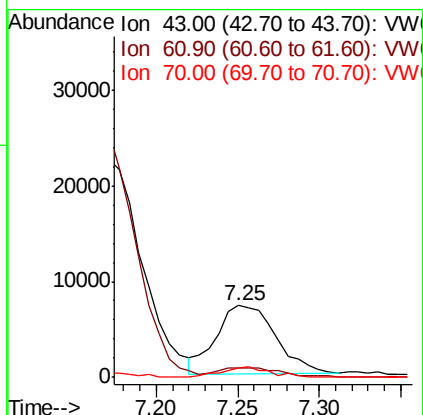
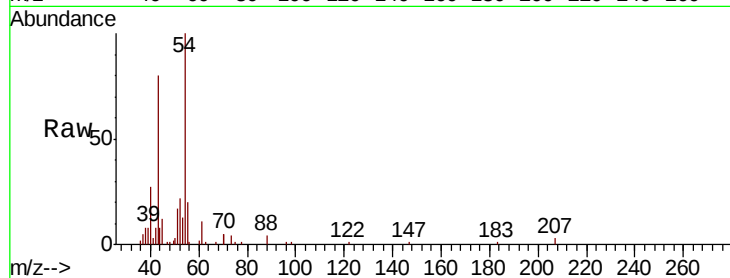




#37
Ethyl Acetate
Concen: 27.616 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

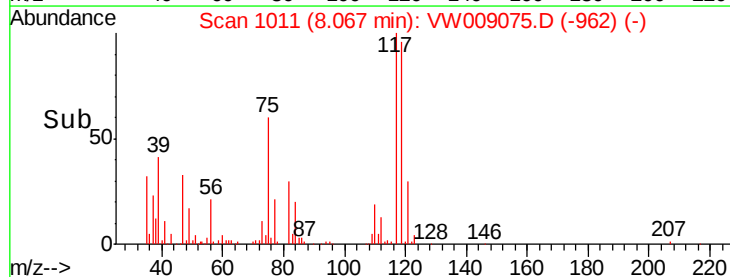
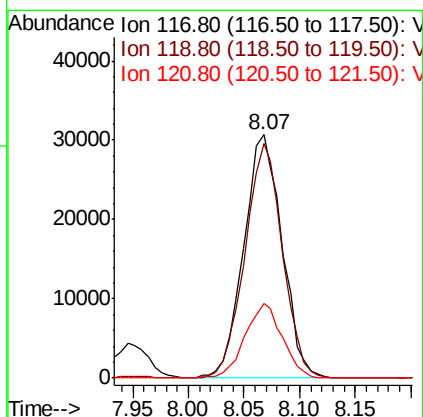
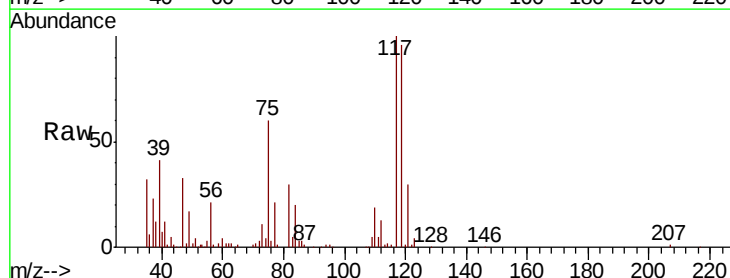
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

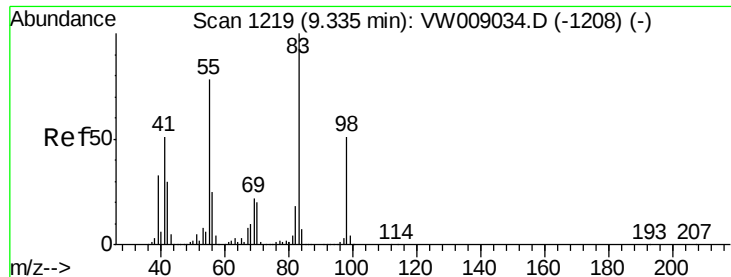
Tot Ion: 43 Resp: 18233
Ion Ratio Lower Upper
43 100
61 15.9 9.8 14.6#
70 13.4 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 50.606 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion: 117 Resp: 73461
Ion Ratio Lower Upper
117 100
119 96.4 74.6 112.0
121 30.4 24.7 37.1

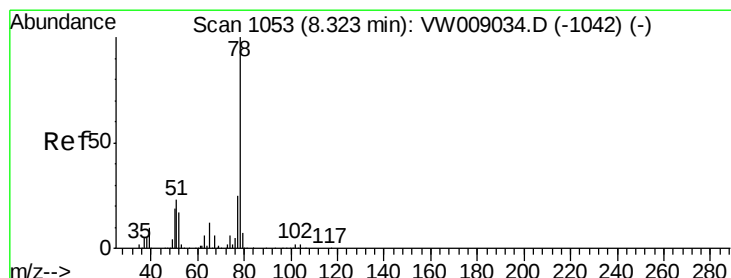
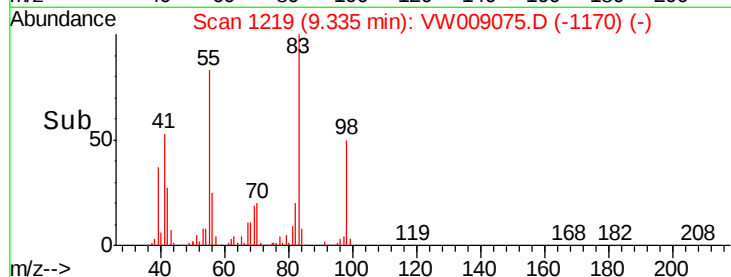
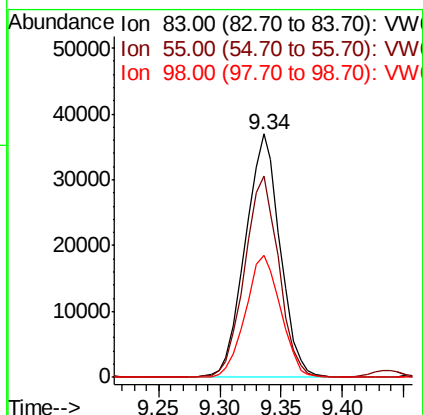
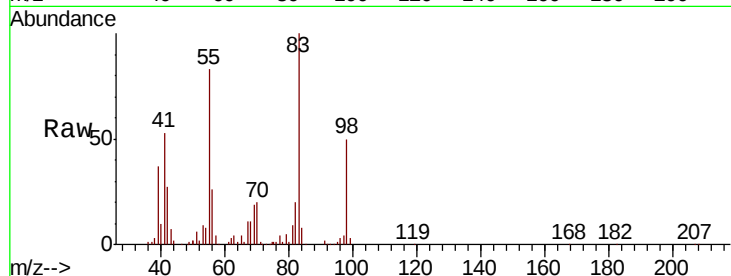




#39
Methvlcvclohexane
Concen: 43.669 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

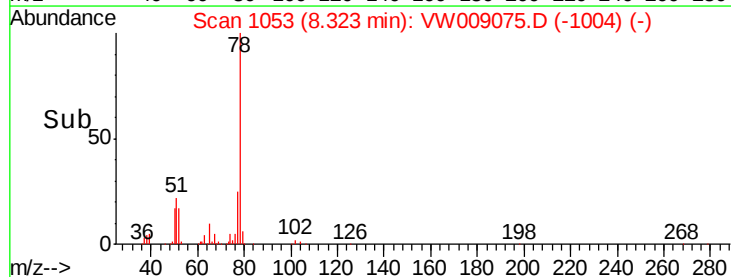
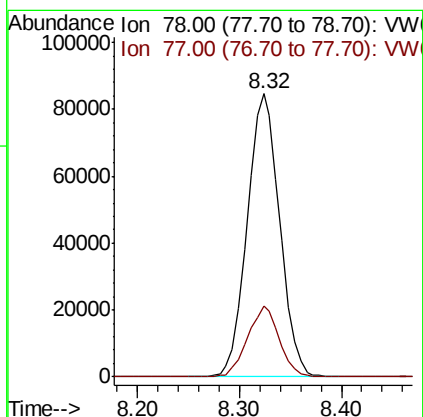
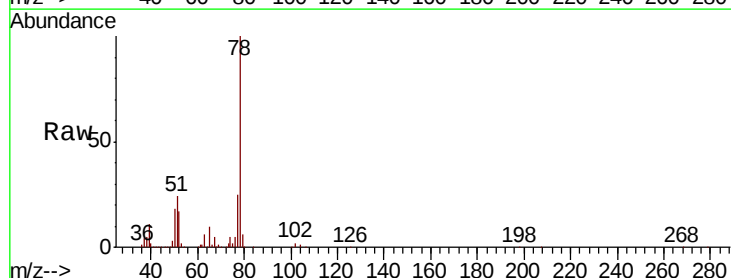
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

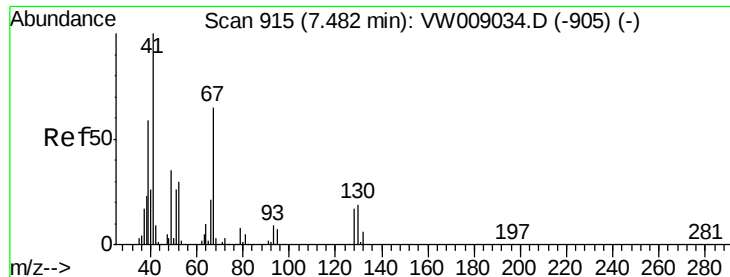
Tot Ion: 83 Resp: 73111
Ion Ratio Lower Upper
83 100
55 82.5 62.7 94.1
98 50.2 40.8 61.2



#40
Benzene
Concen: 49.864 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion: 78 Resp: 187099
Ion Ratio Lower Upper
78 100
77 25.2 20.2 30.4

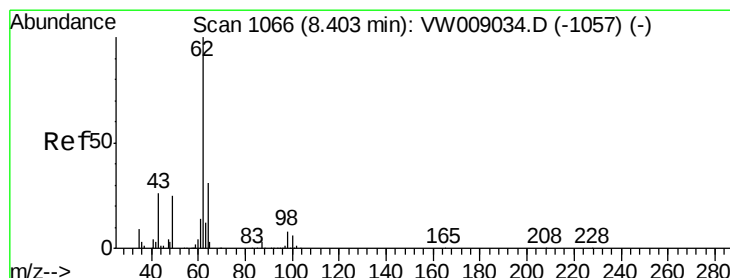
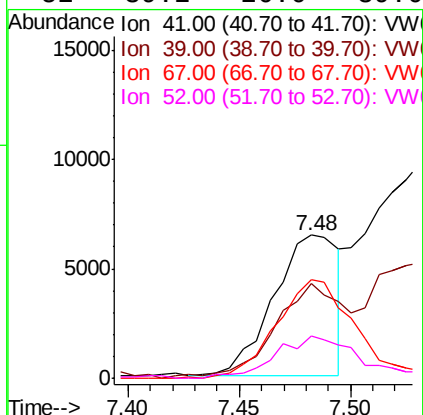
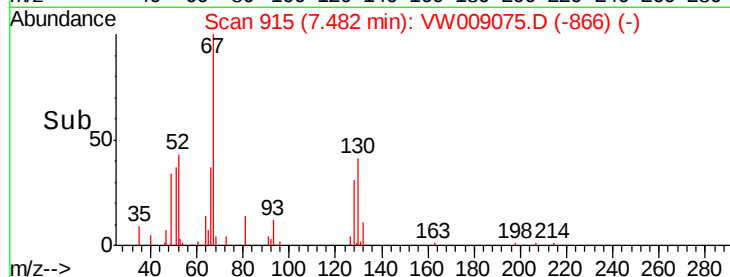
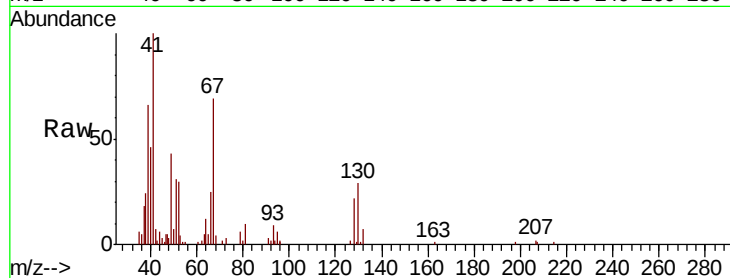




#41
Methacrylonitrile
Concen: 35.725 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

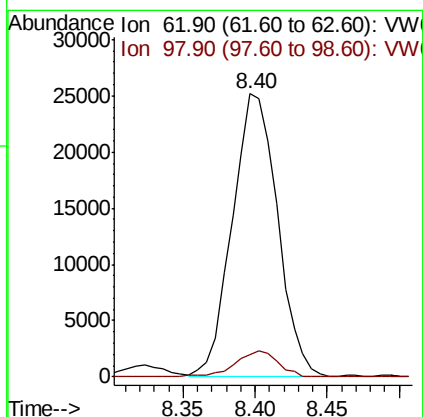
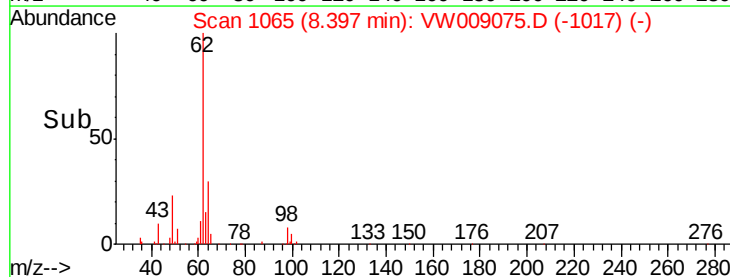
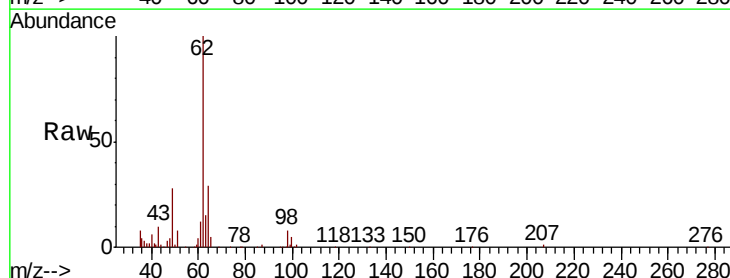
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

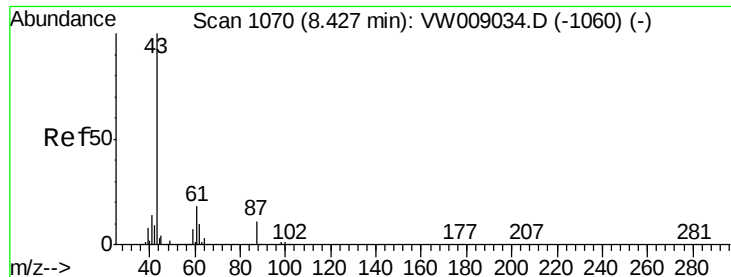
Tot Ion:	41	Resp:	13098
Ion	Ratio	Lower	Upper
41	100		
39	72.5	53.6	80.4
67	84.5	57.6	86.4
52	39.2	26.0	39.0#



#42
1,2-Dichloroethane
Concen: 45.429 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion:	62	Resp:	55031
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 33.968 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

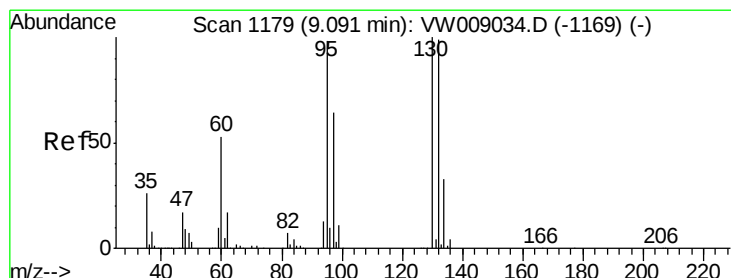
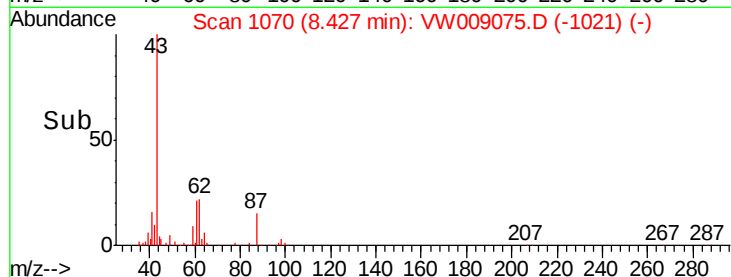
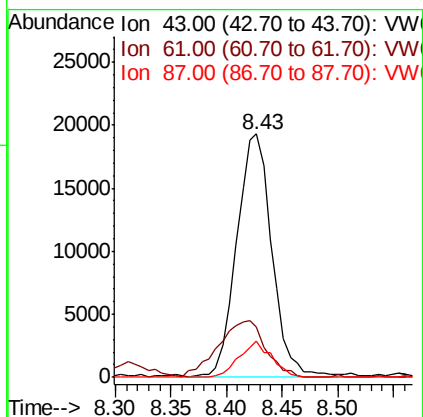
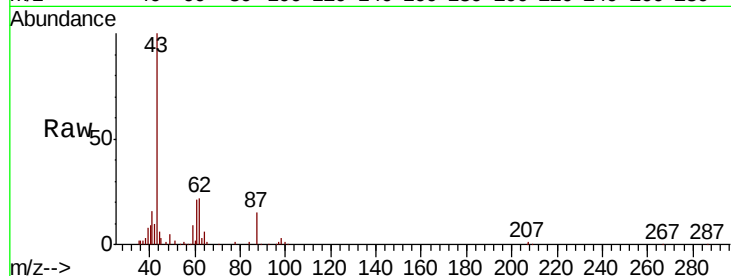
Tot Ion: 43 Resp: 41769

Ion Ratio Lower Upper

43 100

61 31.8 22.8 34.2

87 13.9 9.4 14.2



#44

Trichloroethene

Concen: 48.990 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009075.D

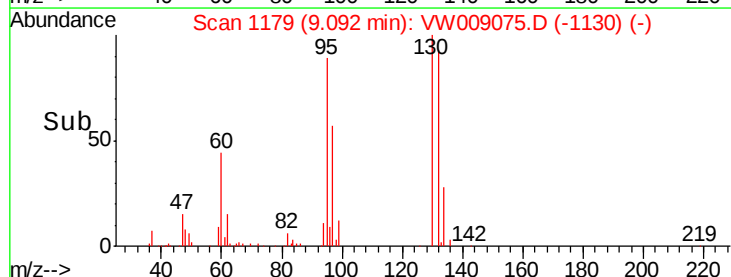
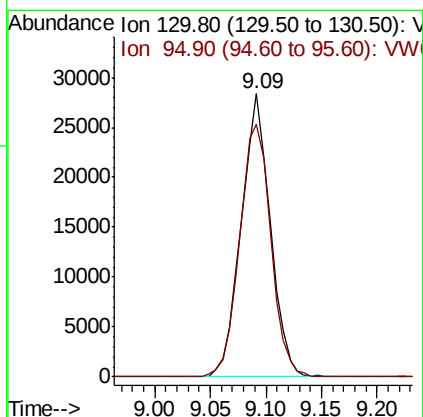
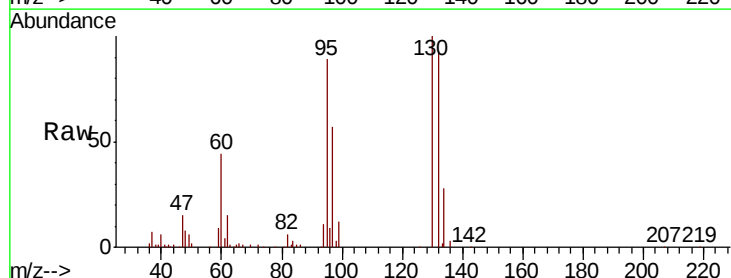
Acq: 09 Mar 2019 00:24

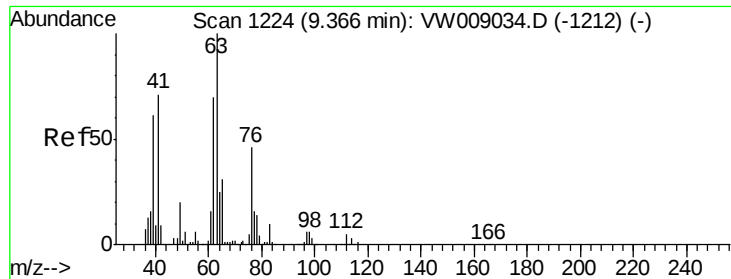
Tgt Ion: 130 Resp: 51521

Ion Ratio Lower Upper

130 100

95 89.1 0.0 197.0





#45

1,2-Dichloropropane

Concen: 47.321 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

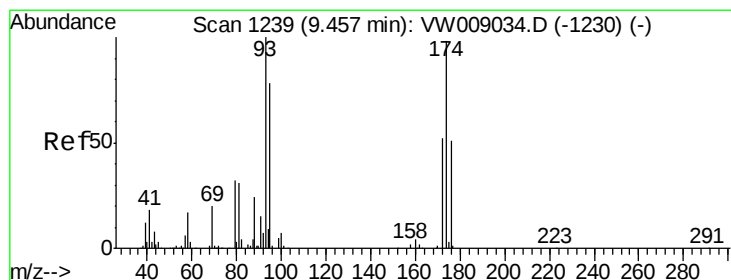
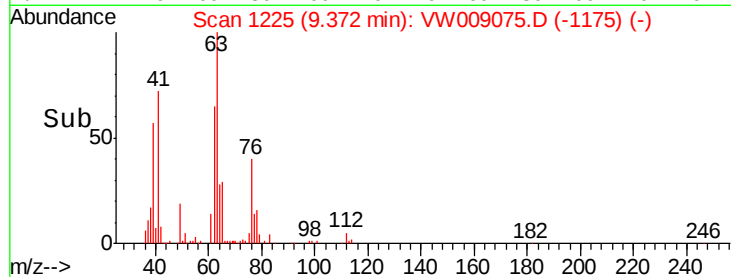
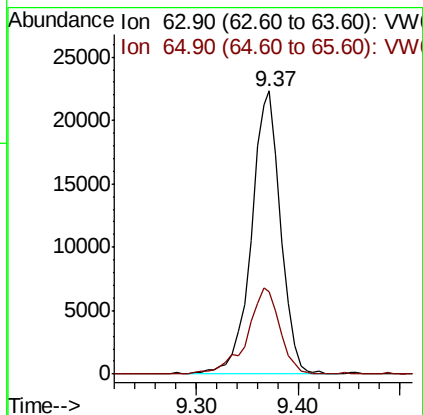
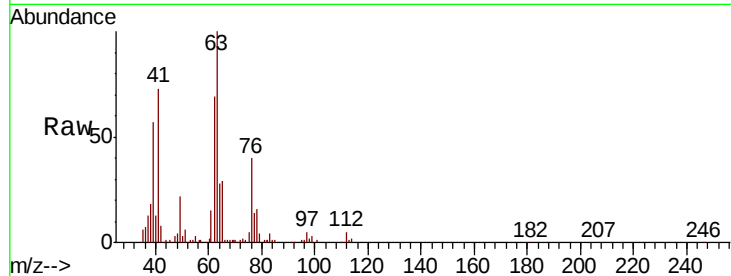
SD2-0.5-1.0MSD

Tot Ion: 63 Resp: 44471

Ion Ratio Lower Upper

63 100

65 28.9 24.9 37.3



#46

Dibromomethane

Concen: 46.450 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

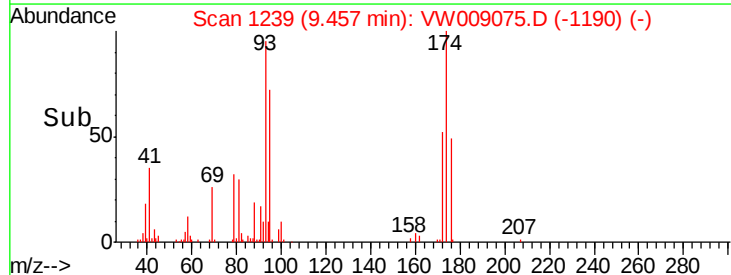
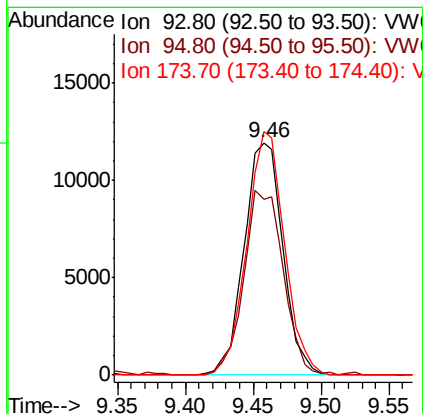
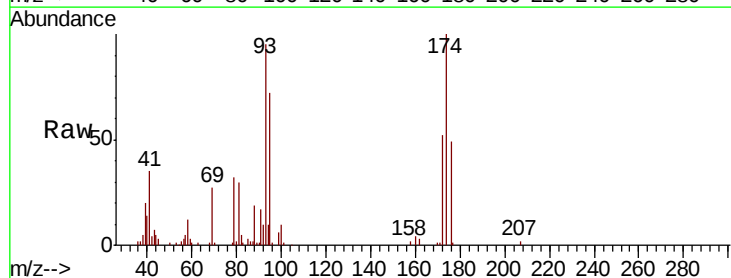
Tgt Ion: 93 Resp: 23840

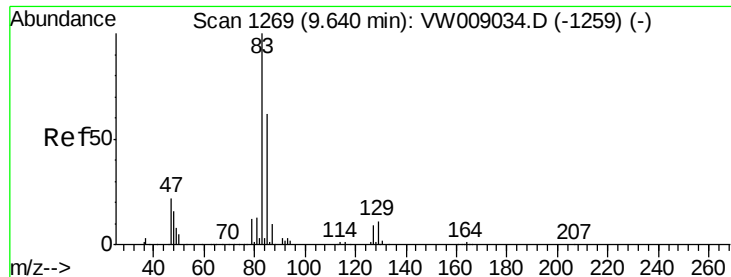
Ion Ratio Lower Upper

93 100

95 80.9 65.0 97.6

174 101.9 81.8 122.6

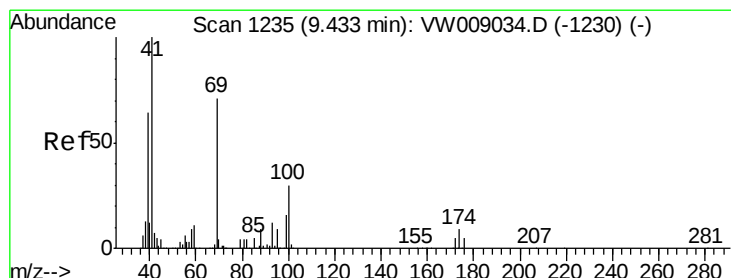
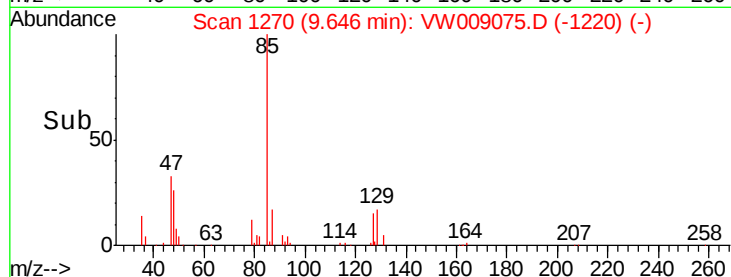
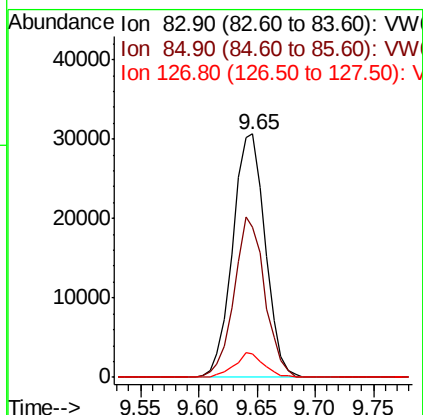
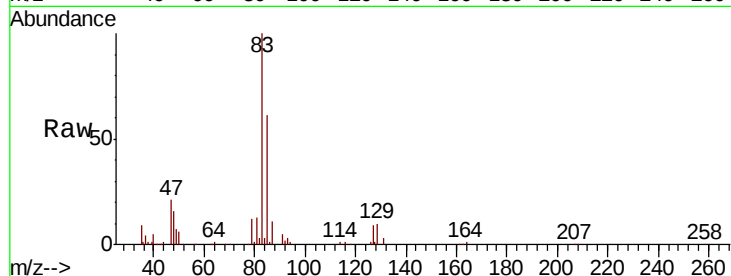




#47
 Bromodichloromethane
 Concen: 46.020 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

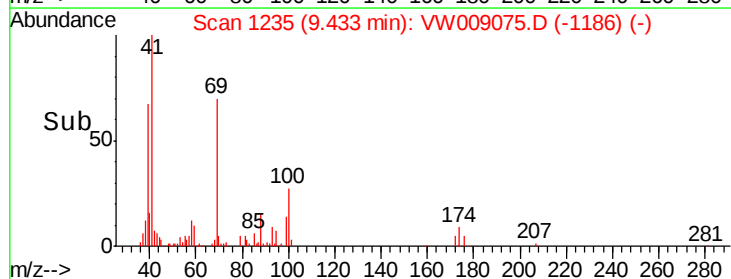
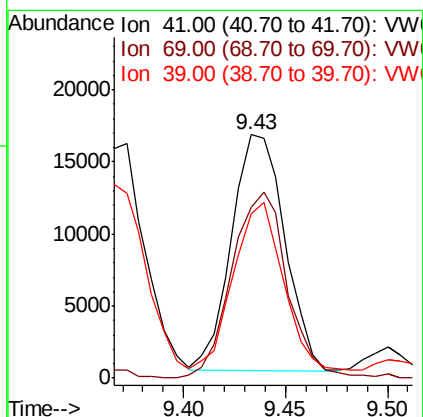
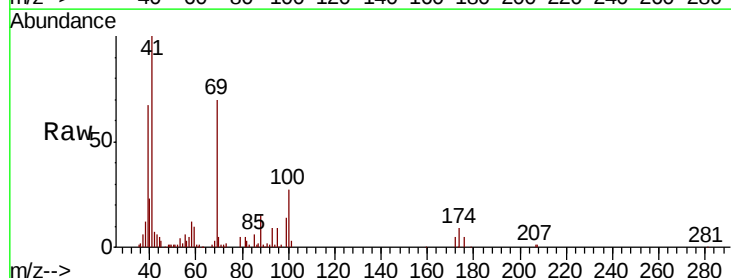
Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MSD

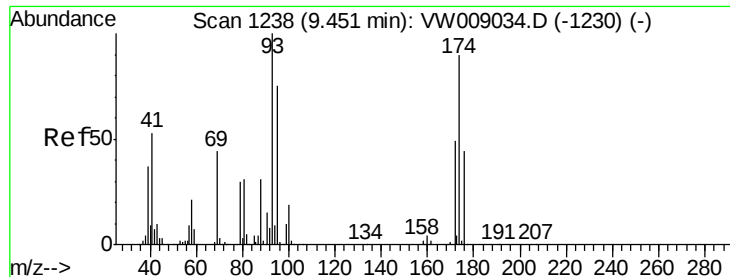
Tot Ion	83	Resp	59790
Ion Ratio	Lower	Upper	
83	100		
85	61.5	49.9	74.9
127	9.4	7.1	10.7



#48
 Methyl methacrylate
 Concen: 51.881 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Tgt Ion	41	Resp	29706
Ion Ratio	Lower	Upper	
41	100		
69	81.4	59.1	88.7
39	67.2	48.9	73.3

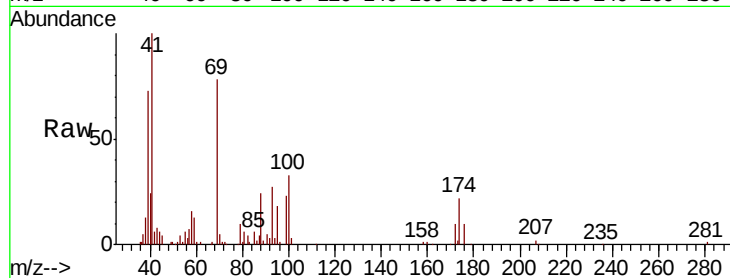




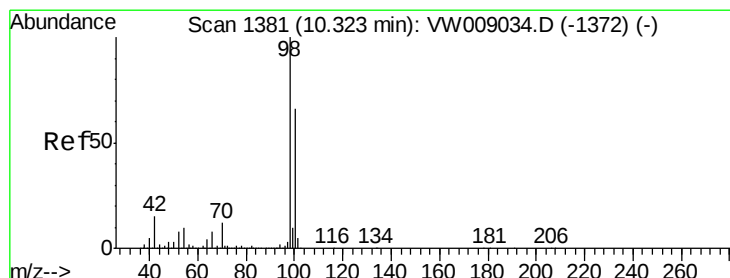
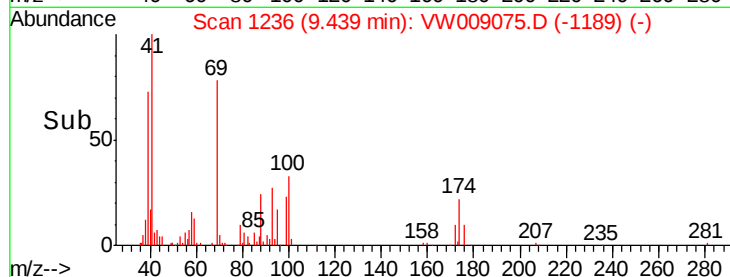
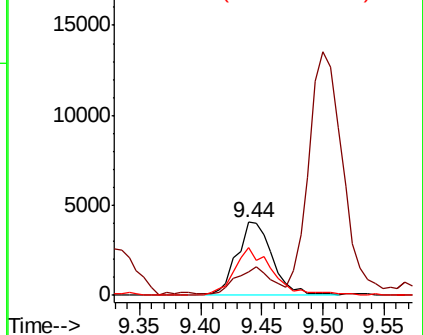
#49
1,4-Dioxane
Concen: 1121.162 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion: 88 Resp: 8240
Ion Ratio Lower Upper
88 100
43 36.2 29.0 43.4
58 69.0 59.2 88.8

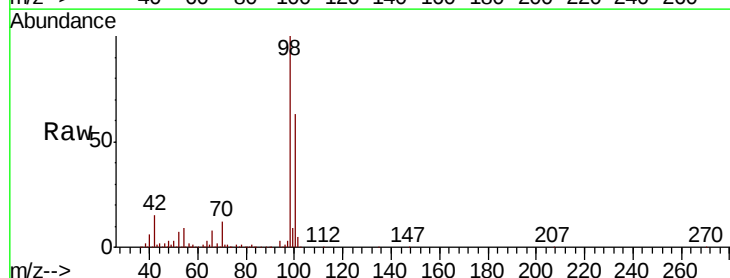


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

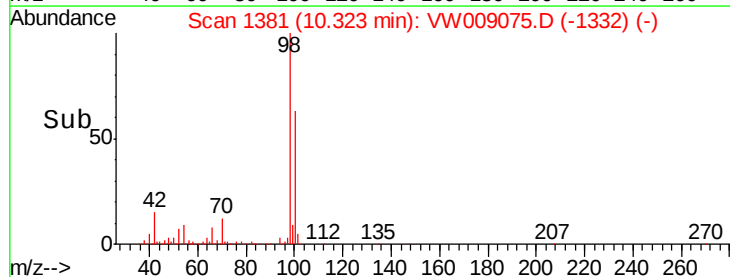
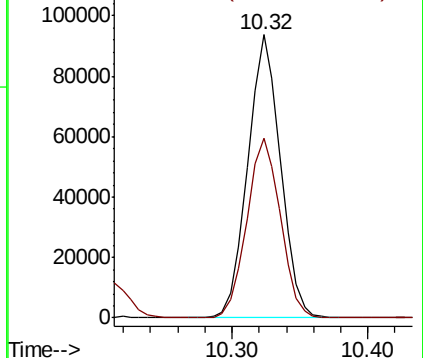


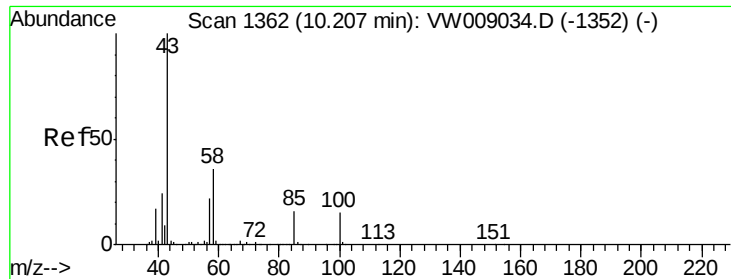
#50
Toluene-d8
Concen: 47.610 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion: 98 Resp: 158267
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



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: 239.569 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

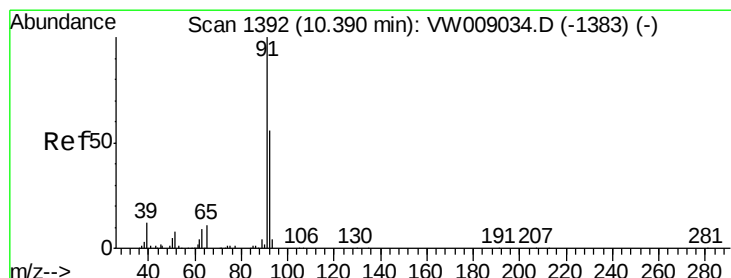
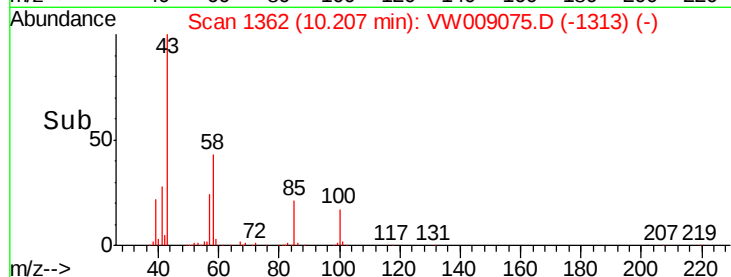
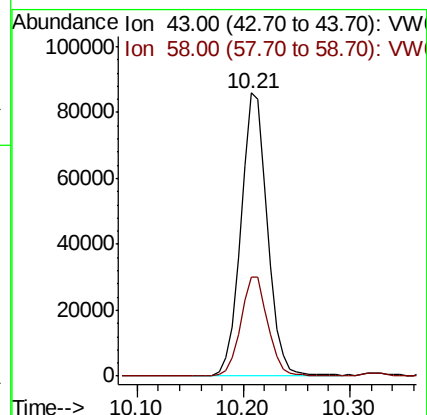
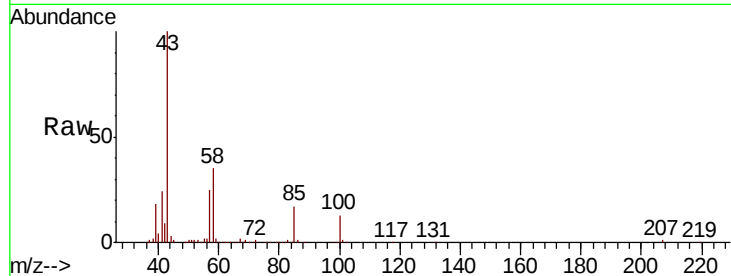
SD2-0.5-1.0MSD

Tot Ion: 43 Resp: 149554

Ion Ratio Lower Upper

43 100

58 36.0 28.8 43.2



#52

Toluene

Concen: 48.663 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009075.D

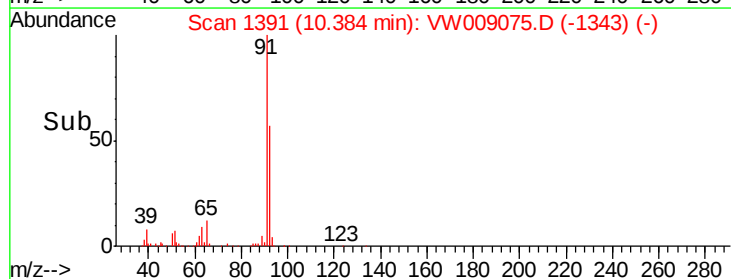
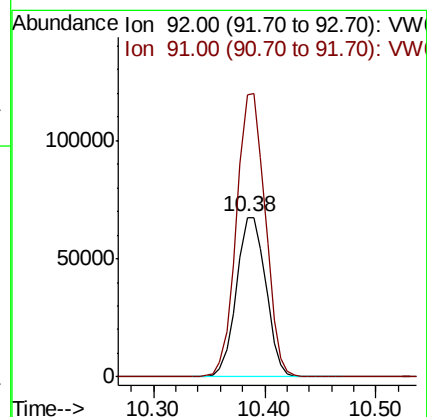
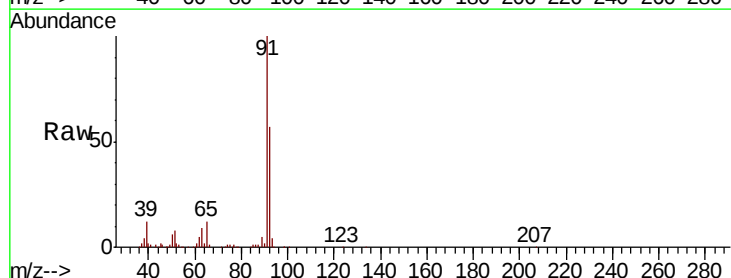
Acq: 09 Mar 2019 00:24

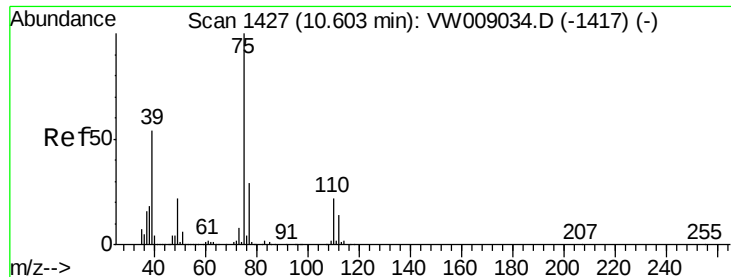
Tgt Ion: 92 Resp: 123833

Ion Ratio Lower Upper

92 100

91 174.2 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 42.681 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

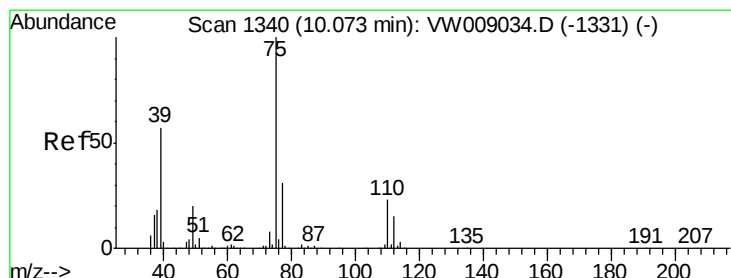
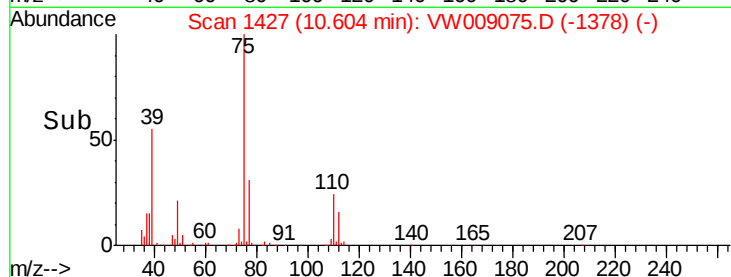
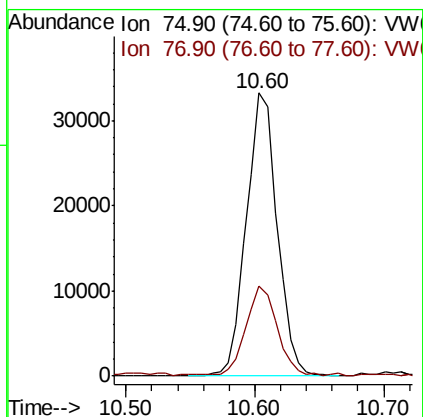
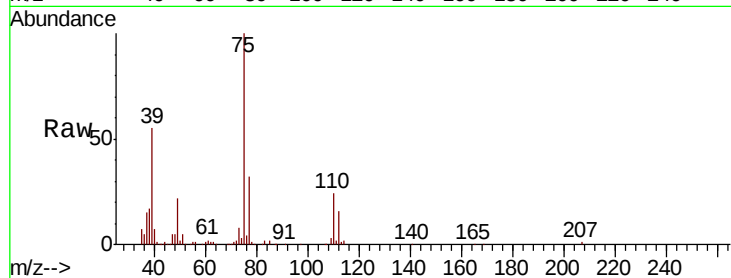
SD2-0.5-1.0MSD

Tot Ion: 75 Resp: 54843

Ion Ratio Lower Upper

75 100

77 31.0 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 42.128 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

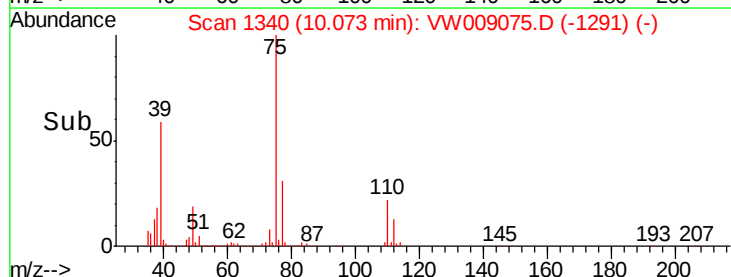
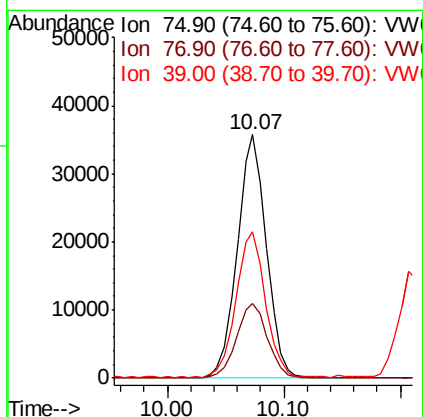
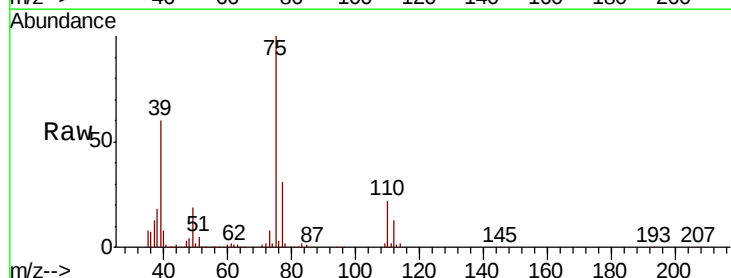
Tgt Ion: 75 Resp: 62207

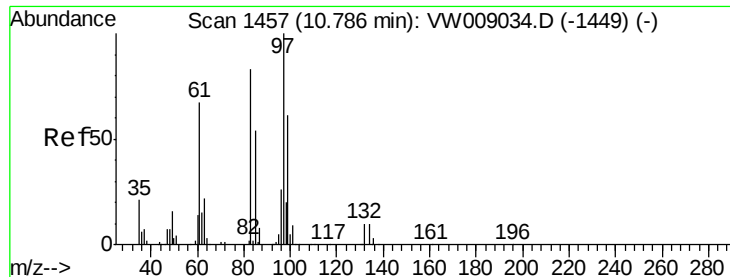
Ion Ratio Lower Upper

75 100

77 30.6 24.6 36.8

39 59.6 45.9 68.9

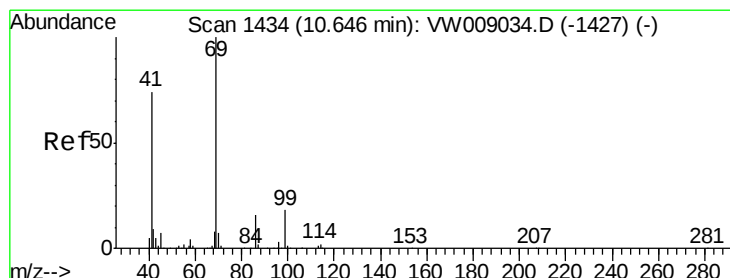
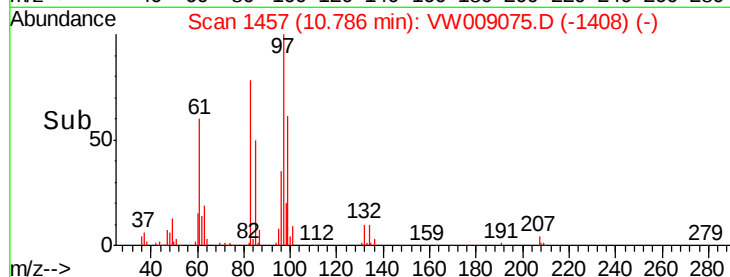
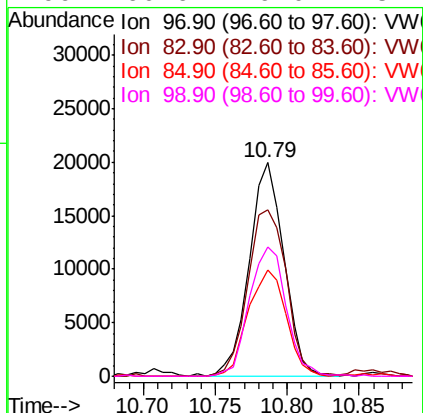
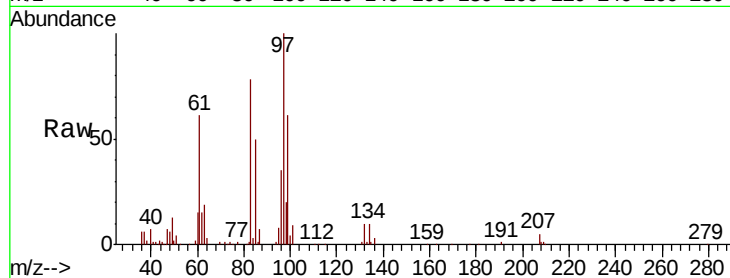




#55
 1,1,2-Trichloroethane
 Concen: 47.667 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

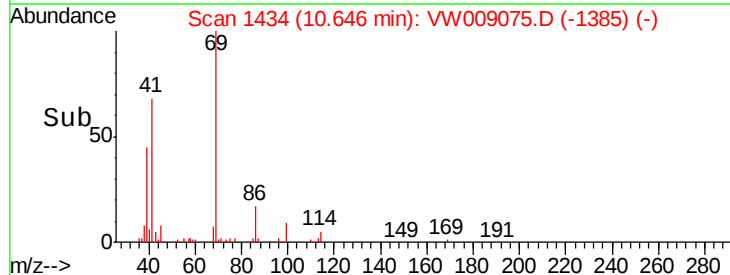
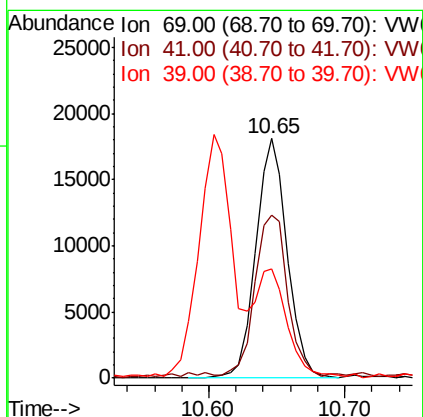
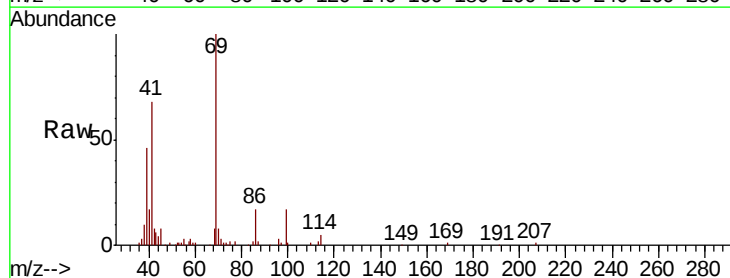
Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MSD

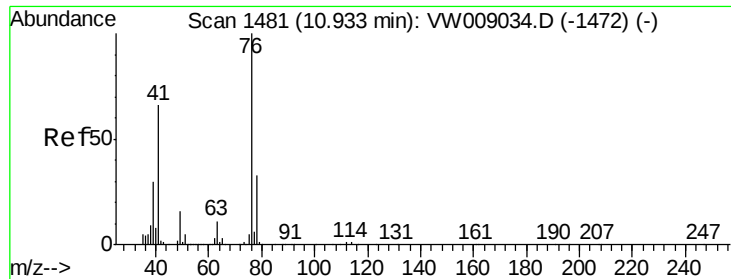
Tot Ion:	97	Resp:	33159
Ion	Ratio	Lower	Upper
97	100		
83	78.0	66.2	99.2
85	49.9	43.6	65.4
99	60.6	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 33.811 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Tgt Ion:	69	Resp:	29191
Ion	Ratio	Lower	Upper
69	100		
41	71.7	59.4	89.2
39	46.8	38.5	57.7

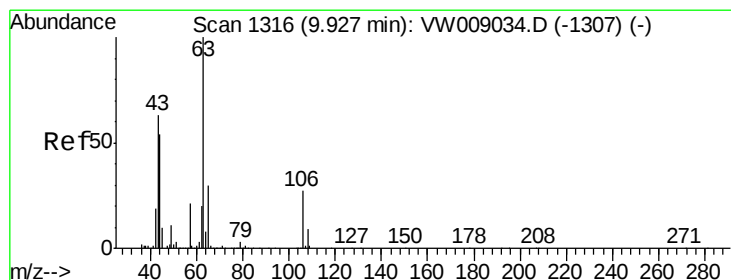
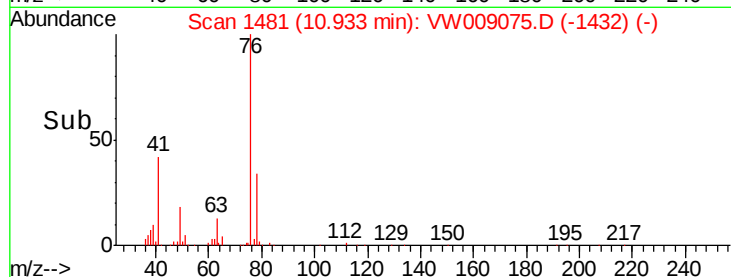
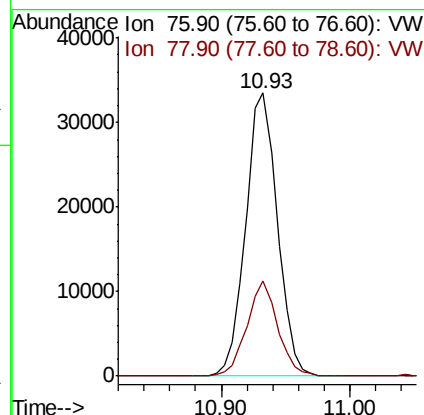
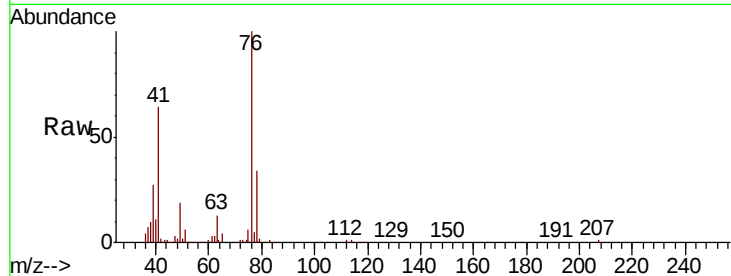




#57
 1,3-Dichloropropane
 Concen: 46.085 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

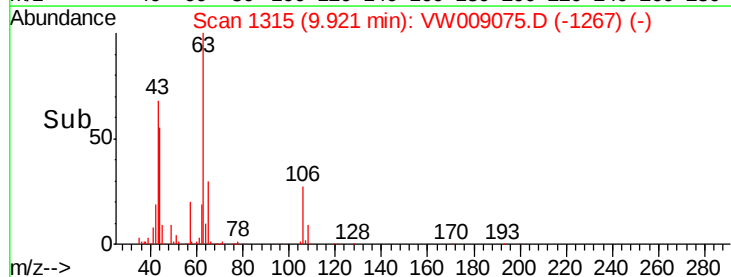
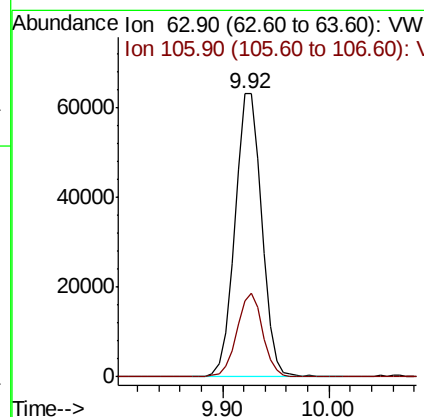
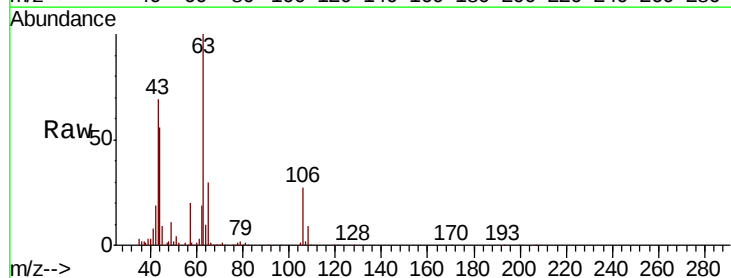
Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MSD

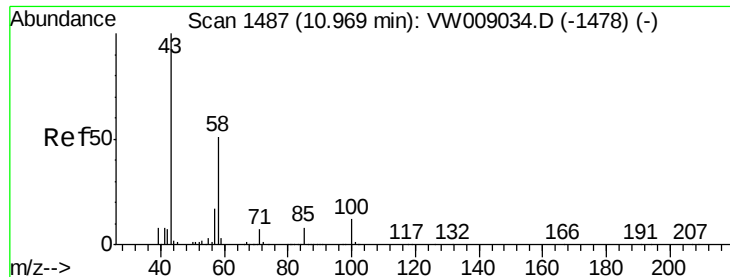
Tot Ion: 76 Resp: 56792
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.167 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Tgt Ion: 63 Resp: 111519
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.0 34.6





#59

2-Hexanone

Concen: 224.892 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

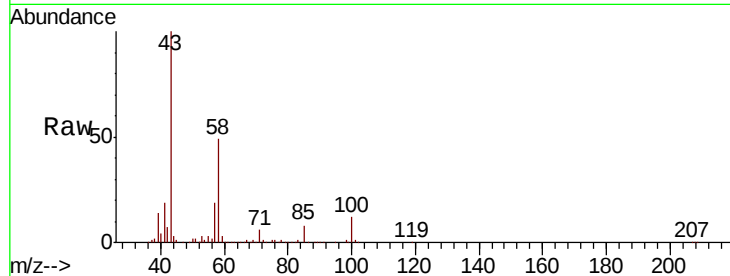
SD2-0.5-1.0MSD

Tot Ion: 43 Resp: 98707

Ion Ratio Lower Upper

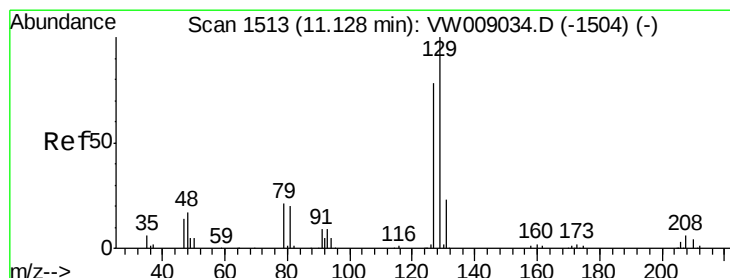
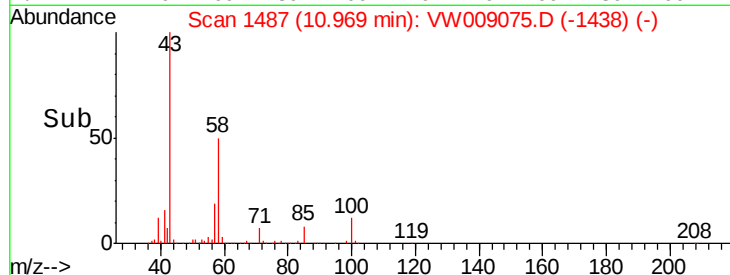
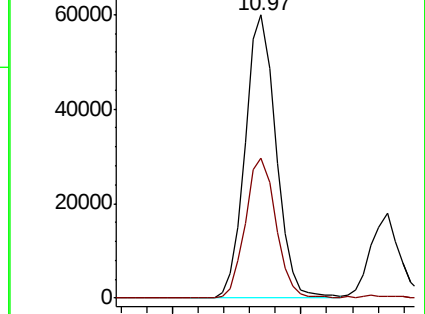
43 100

58 49.3 25.3 75.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 46.093 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009075.D

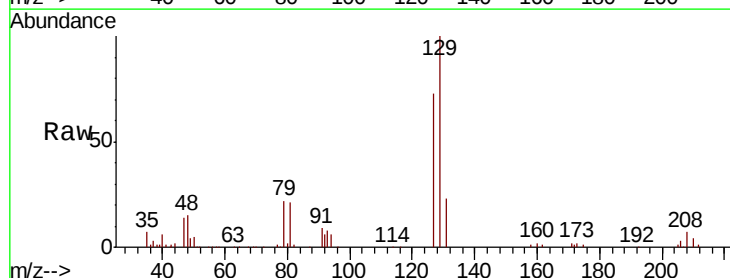
Acq: 09 Mar 2019 00:24

Tgt Ion: 129 Resp: 39681

Ion Ratio Lower Upper

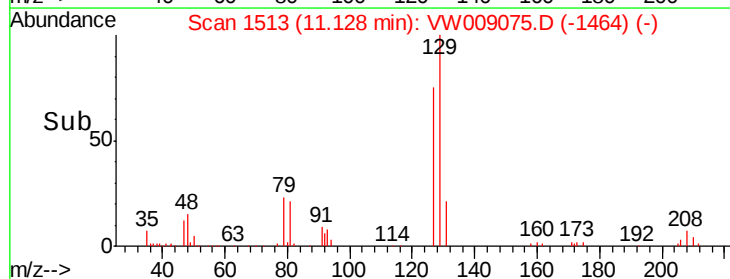
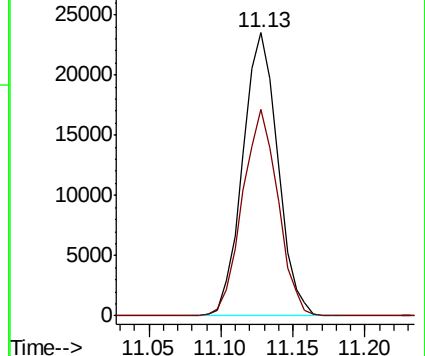
129 100

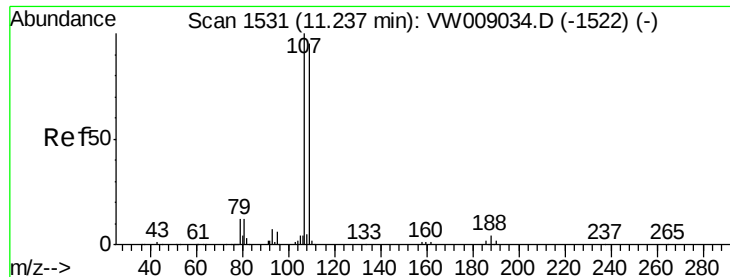
127 73.9 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 47.575 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

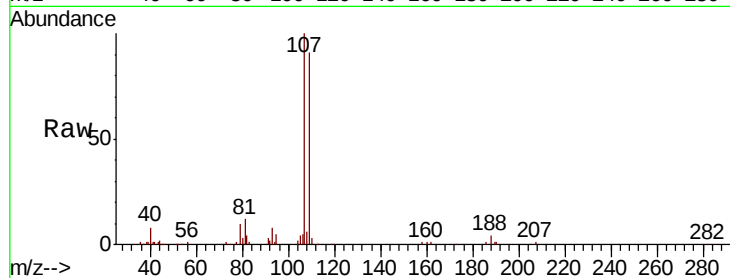
SD2-0.5-1.0MSD

Tot Ion:107 Resp: 32444

Ion Ratio Lower Upper

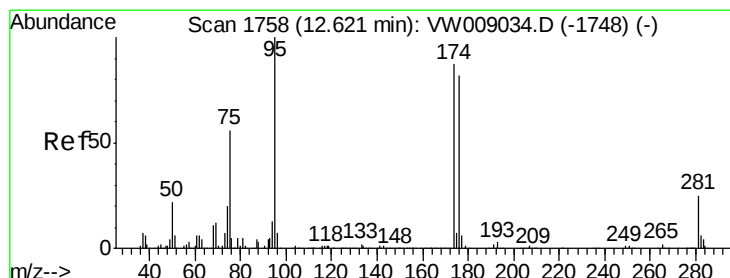
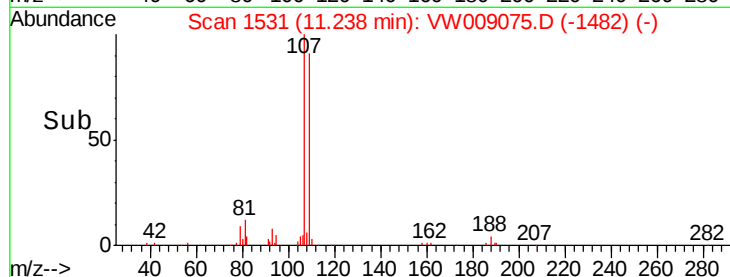
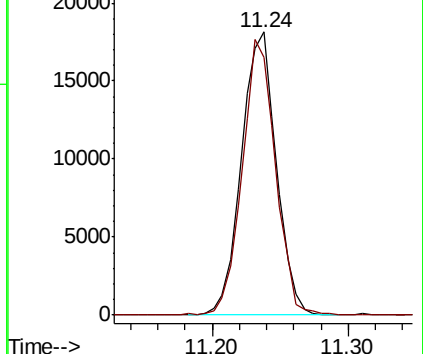
107 100

109 93.1 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.434 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

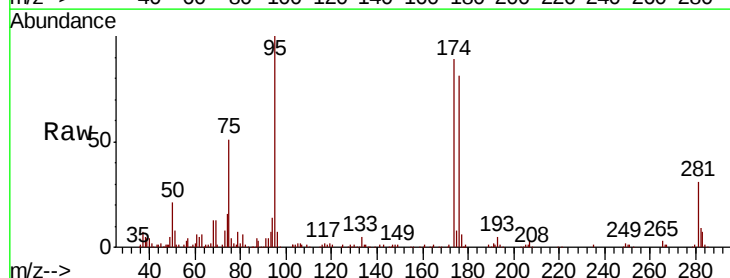
Tgt Ion: 95 Resp: 55530

Ion Ratio Lower Upper

95 100

174 86.0 0.0 167.0

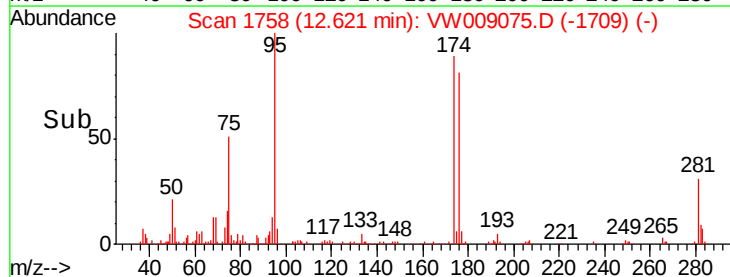
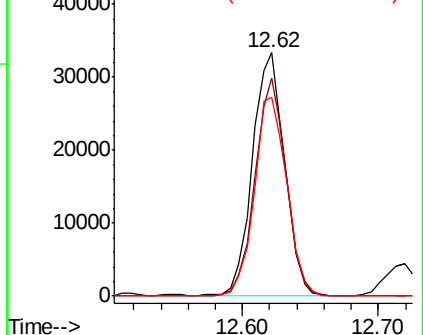
176 82.4 0.0 159.4

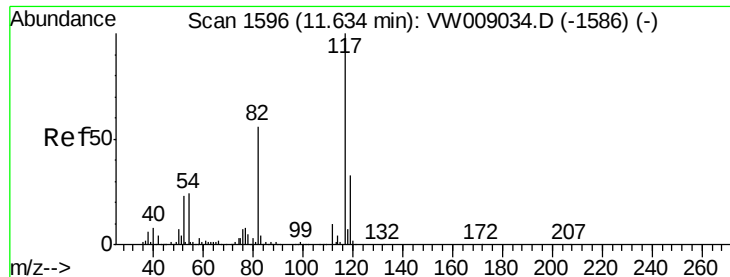


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

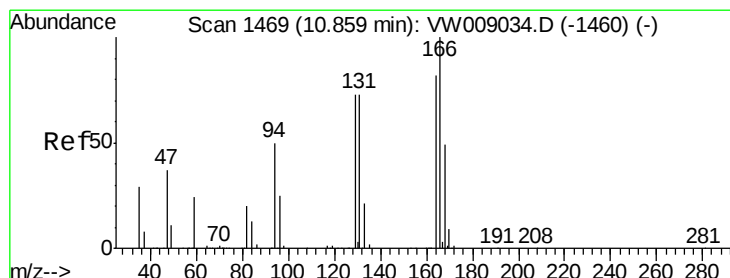
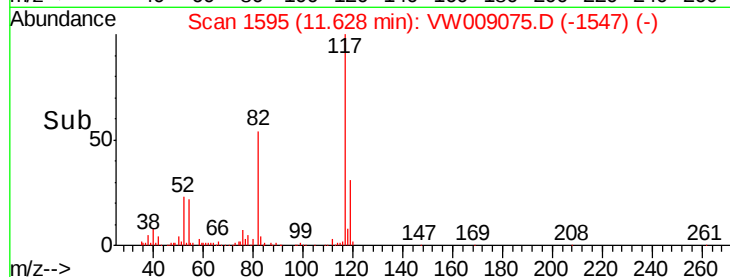
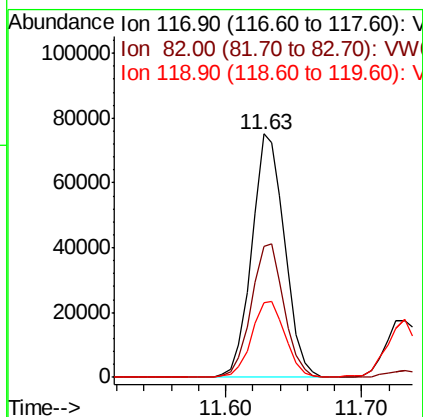
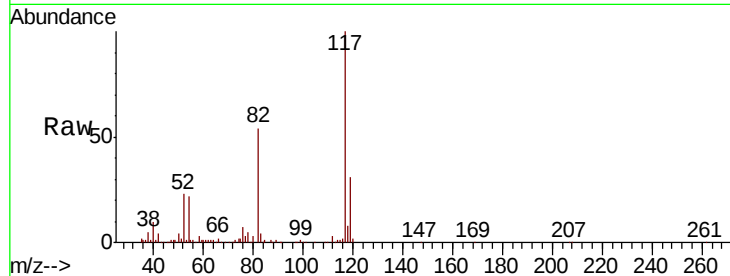




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

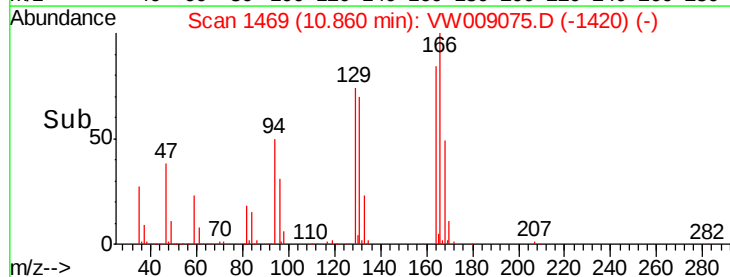
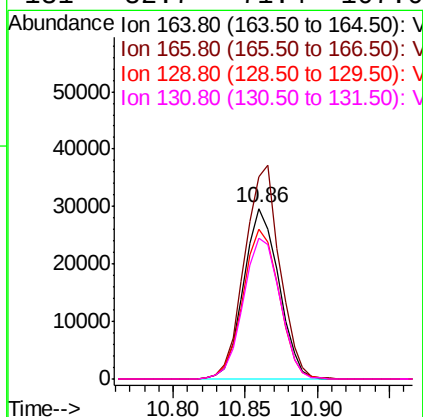
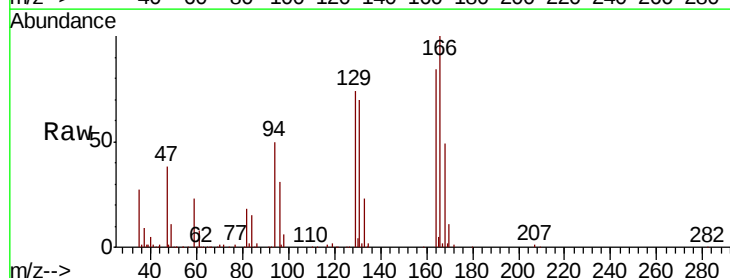
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

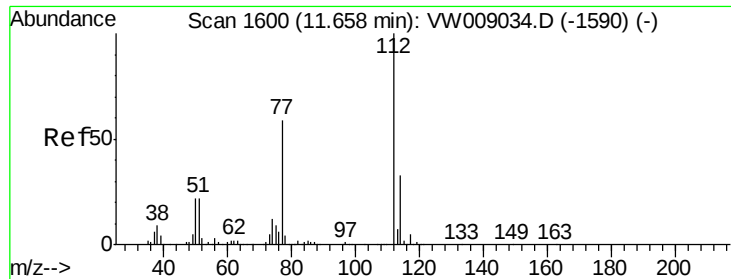
Tot Ion:117 Resp: 126678
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.6
119 30.5 26.6 39.8



#64
Tetrachloroethene
Concen: 55.114 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion:164 Resp: 50349
Ion Ratio Lower Upper
164 100
166 118.7 97.8 146.6
129 87.7 71.6 107.4
131 82.7 71.4 107.0





#65

Chlorobenzene

Concen: 47.755 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

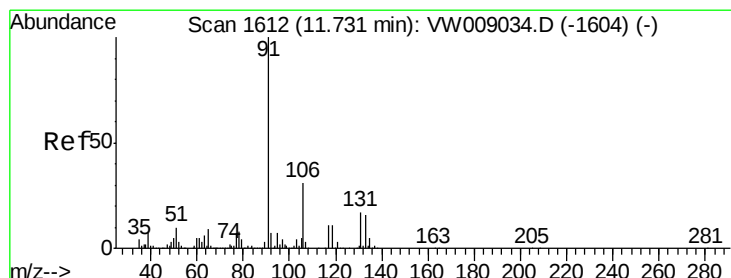
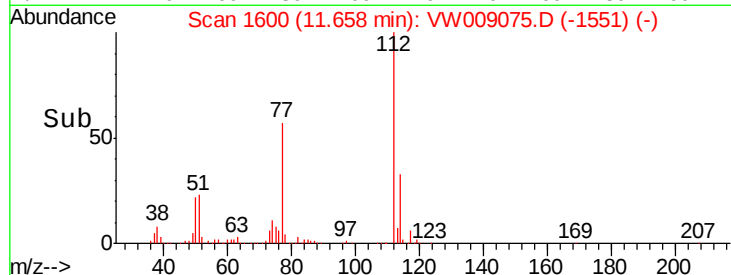
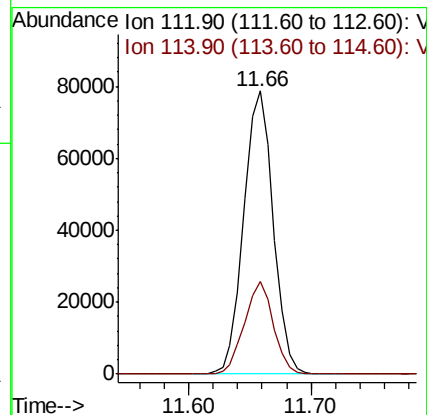
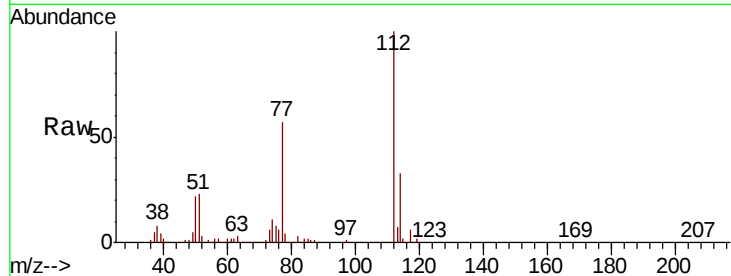
SD2-0.5-1.0MSD

Tot Ion:112 Resp: 131675

Ion Ratio Lower Upper

112 100

114 32.8 26.6 40.0



#66

1,1,1,2-Tetrachloroethane

Concen: 49.757 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

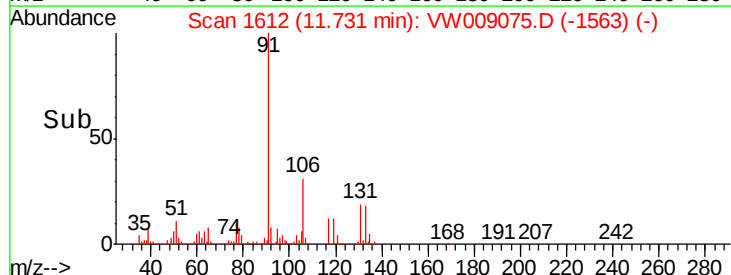
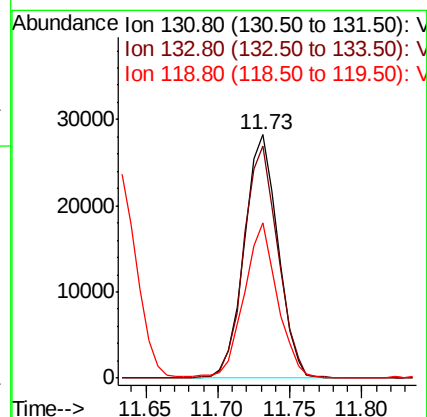
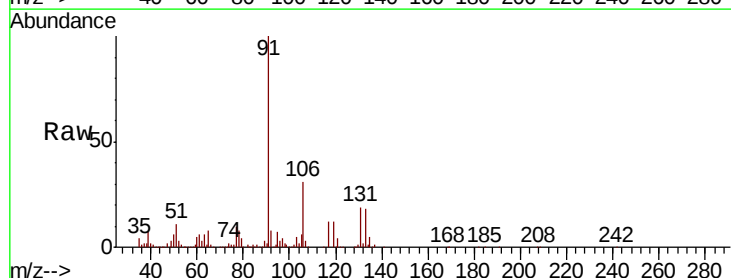
Tgt Ion:131 Resp: 45809

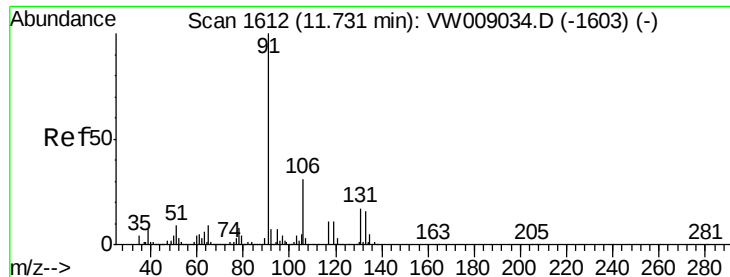
Ion Ratio Lower Upper

131 100

133 97.1 47.6 142.8

119 63.0 31.3 93.8

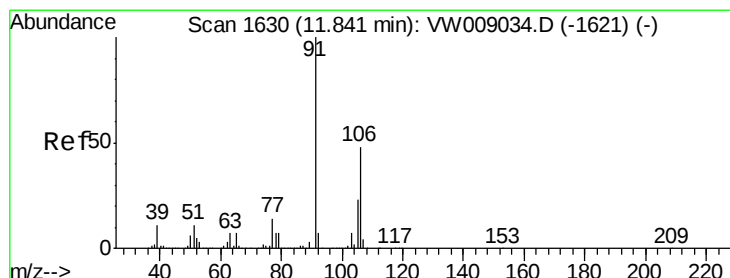
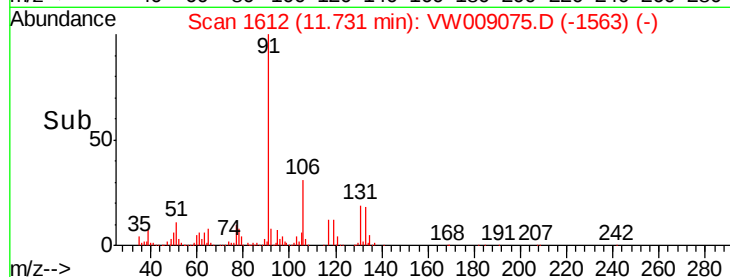
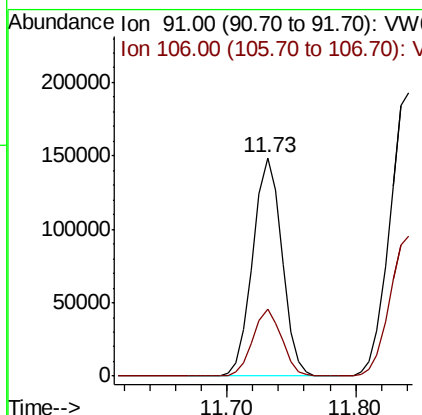
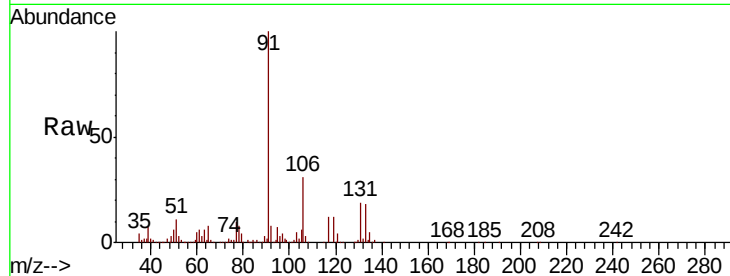




#67
Ethyl Benzene
Concen: 46.593 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

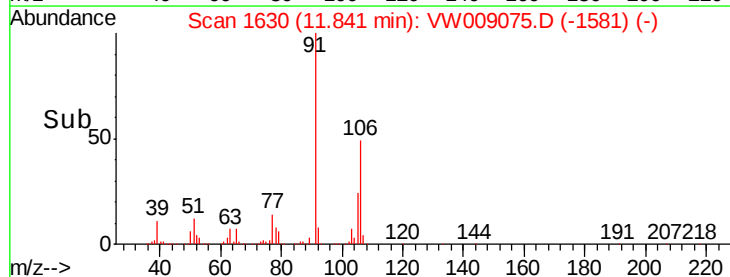
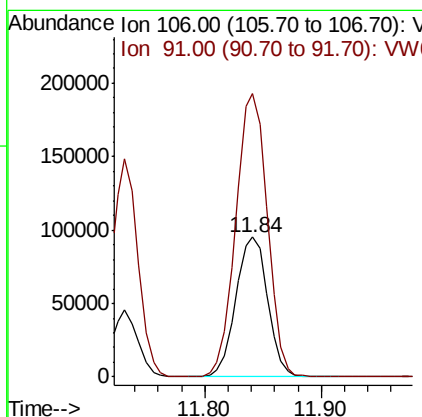
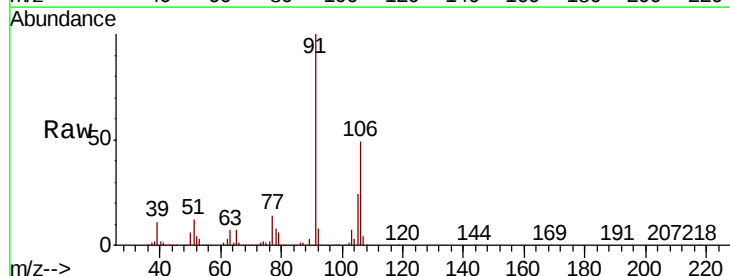
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

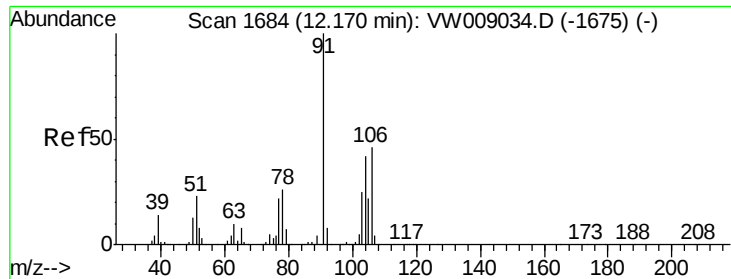
Tot Ion: 91 Resp: 232087
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4



#68
m/p-Xylenes
Concen: 92.616 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion: 106 Resp: 182097
Ion Ratio Lower Upper
106 100
91 200.6 163.2 244.8

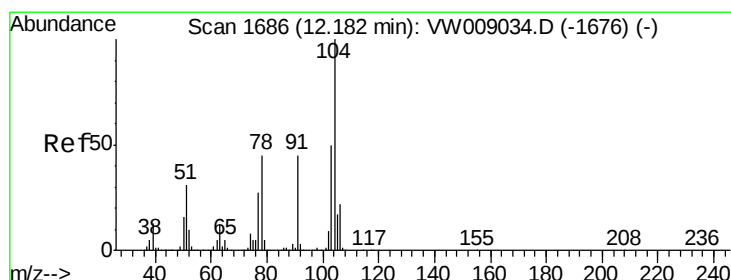
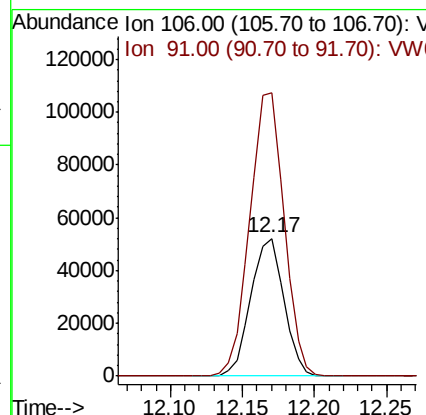
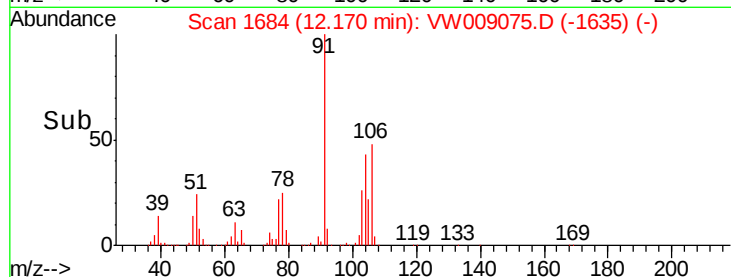
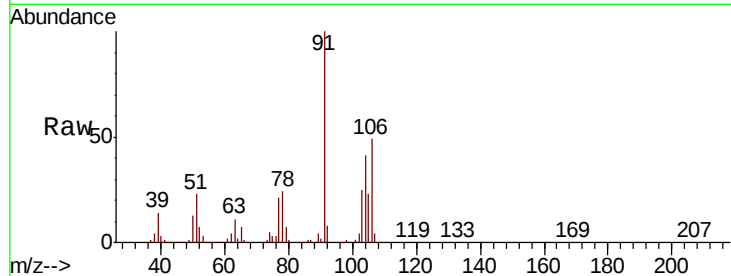




#69
o-Xylene
Concen: 45.426 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

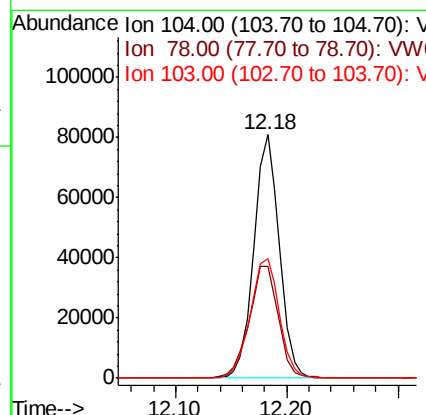
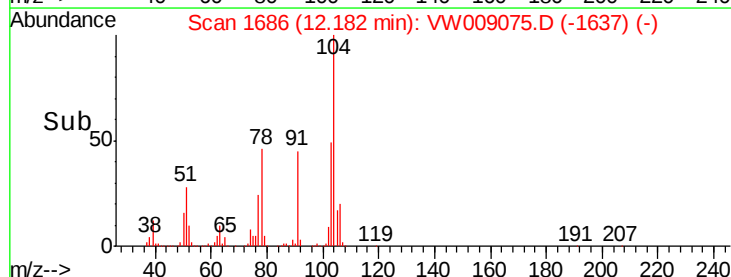
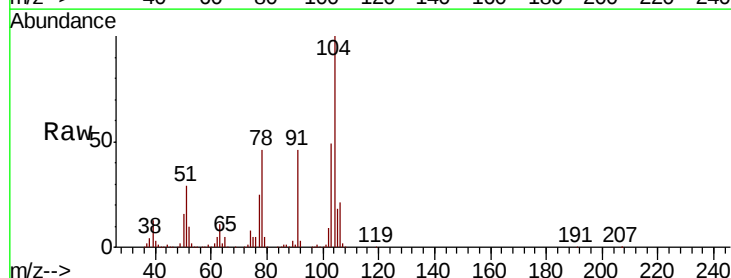
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

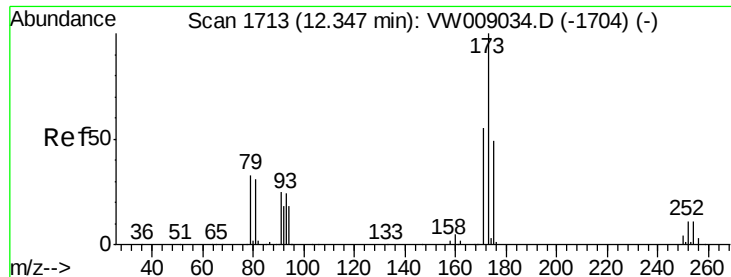
Tot Ion:106 Resp: 83103
Ion Ratio Lower Upper
106 100
91 213.3 108.6 325.6



#70
Styrene
Concen: 43.519 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion:104 Resp: 128813
Ion Ratio Lower Upper
104 100
78 52.9 42.1 63.1
103 55.6 43.9 65.9

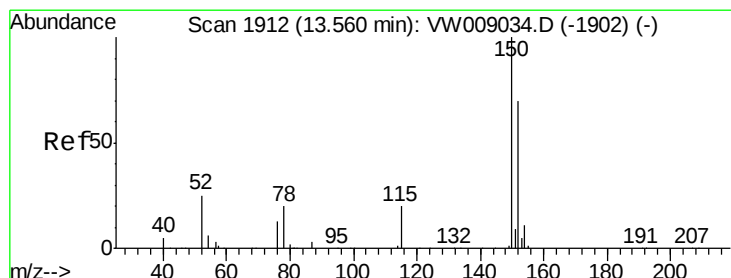
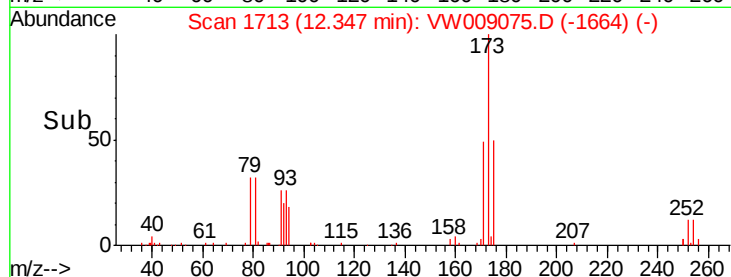
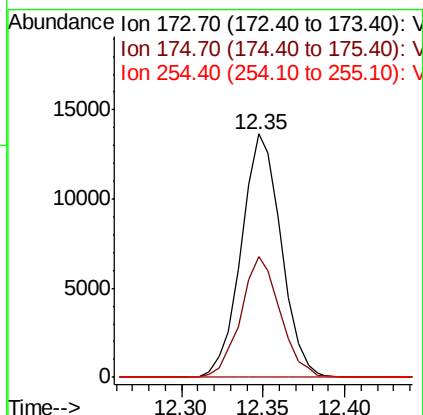
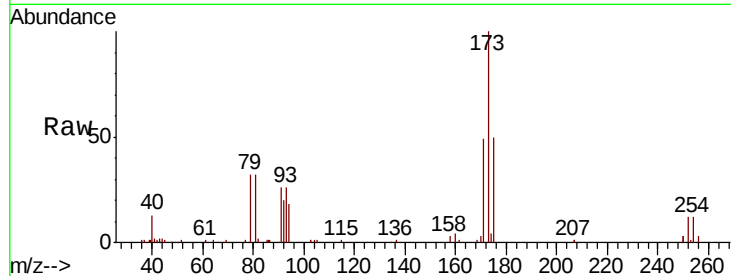




#71
Bromoform
Concen: 46.887 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

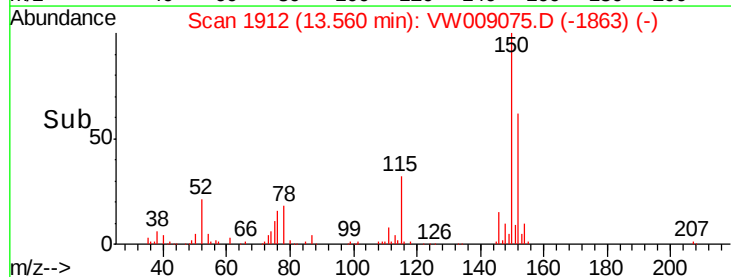
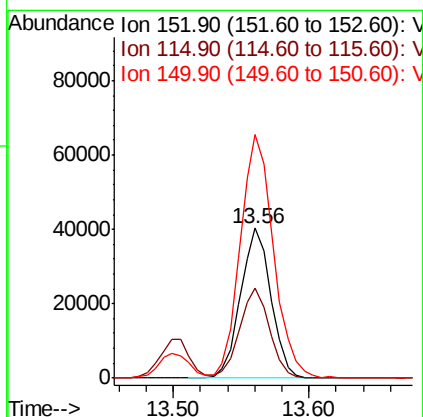
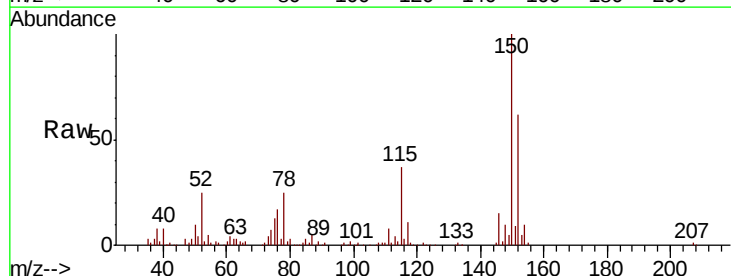
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

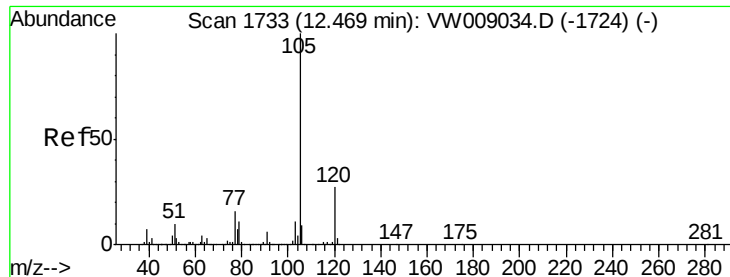
Tot Ion:173 Resp: 23178
Ion Ratio Lower Upper
173 100
175 49.1 24.6 74.0
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion:152 Resp: 63102
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.7
150 176.7 0.0 349.2





#73

Isopropylbenzene

Concen: 51.951 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

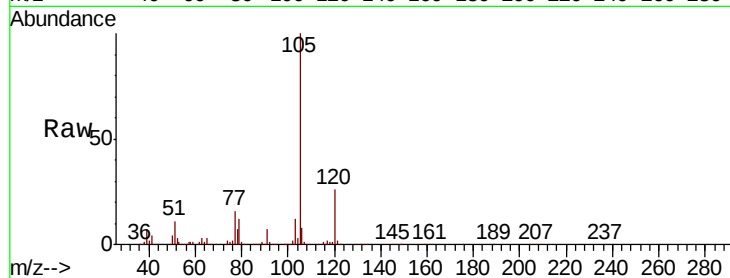
SD2-0.5-1.0MSD

Tot Ion:105 Resp: 234758

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

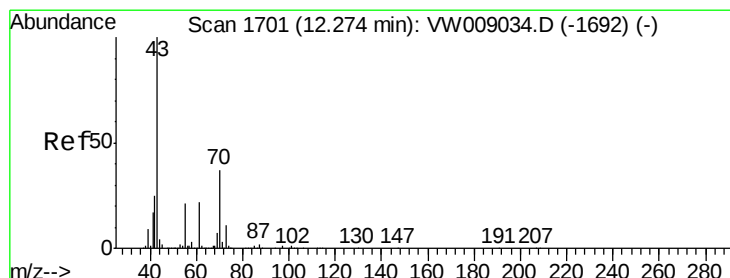
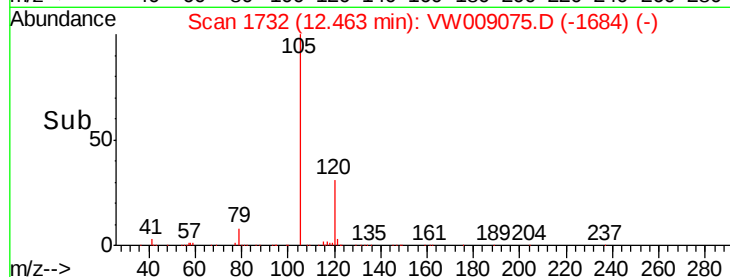
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 25.345 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Tgt Ion: 43 Resp: 27113

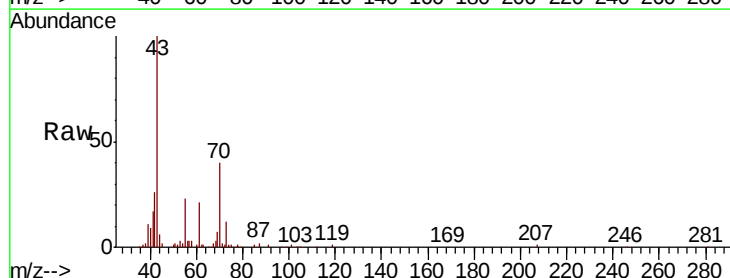
Ion Ratio Lower Upper

43 100

70 38.0 30.8 46.2

55 25.5 17.8 26.8

61 21.1 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

25000

20000

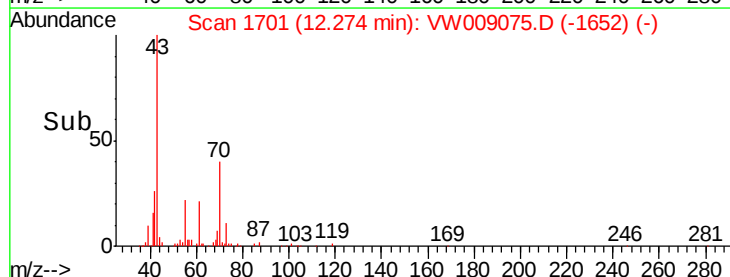
15000

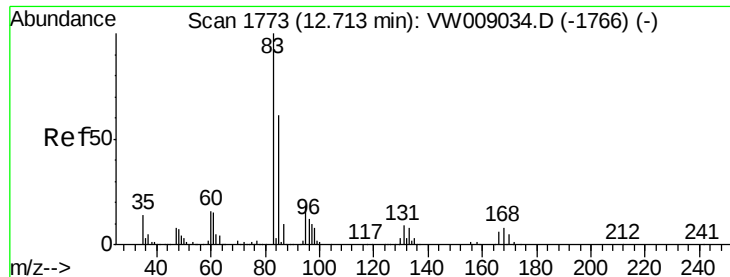
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.519 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

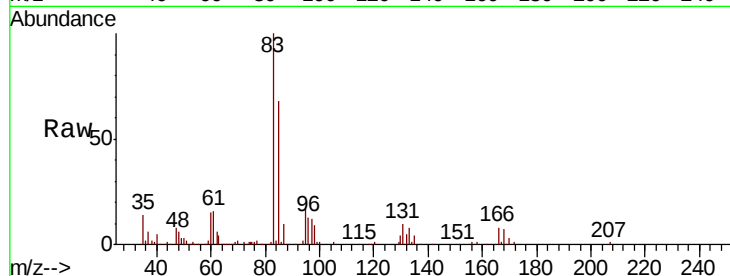
Tot Ion: 83 Resp: 40287

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

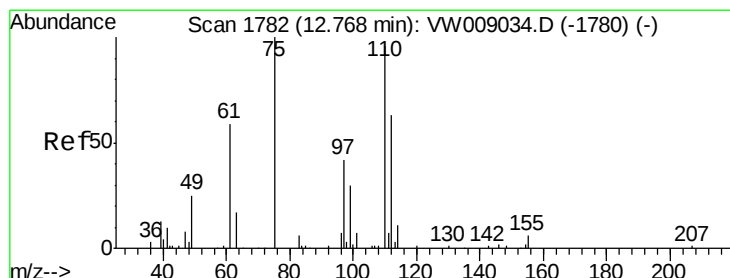
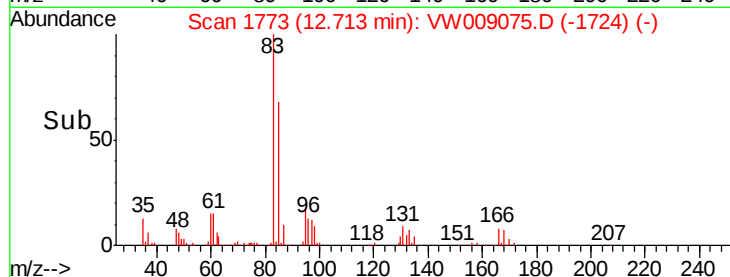
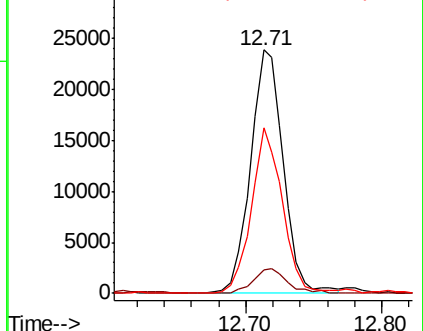
85 63.9 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 105.298 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW009075.D

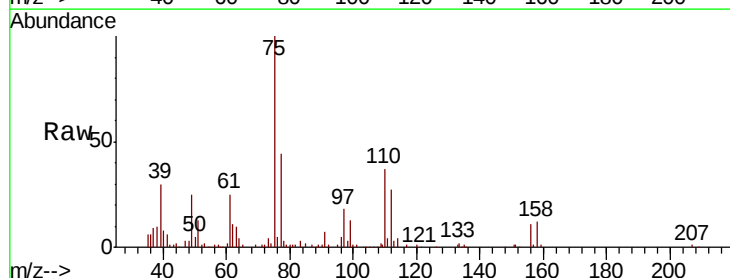
Acq: 09 Mar 2019 00:24

Tgt Ion: 75 Resp: 52497

Ion Ratio Lower Upper

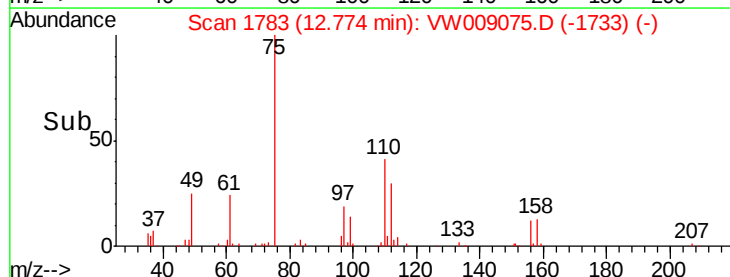
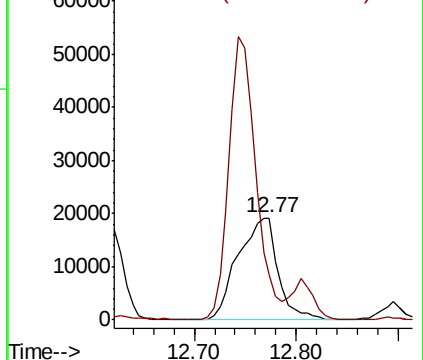
75 100

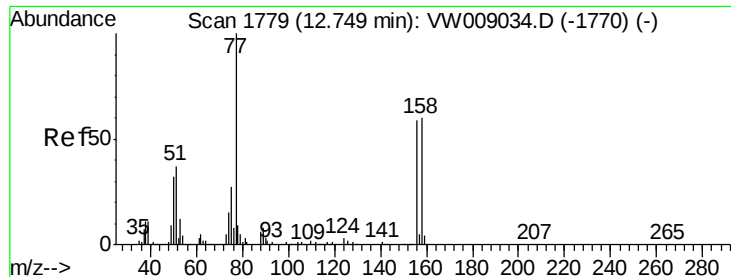
77 0.0 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.188 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

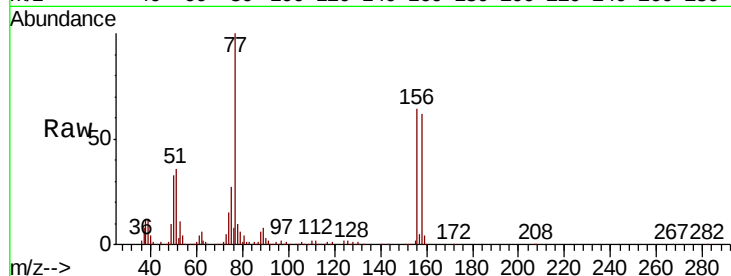
Tot Ion:156 Resp: 54916

Ion Ratio Lower Upper

156 100

77 179.1 93.0 279.2

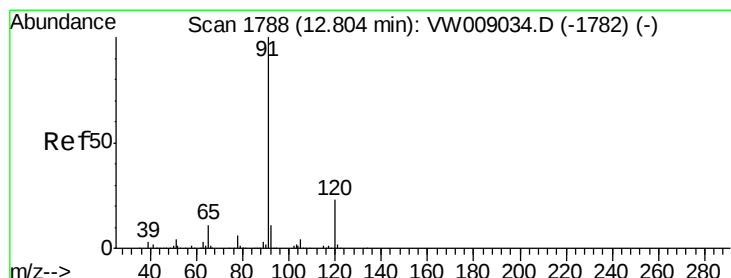
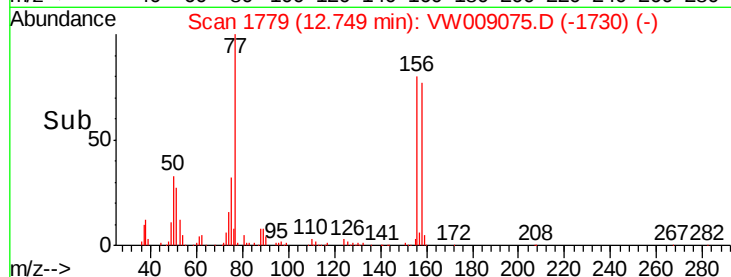
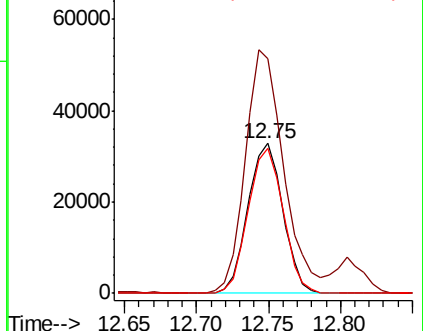
158 97.2 50.0 149.8



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: 49.304 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009075.D

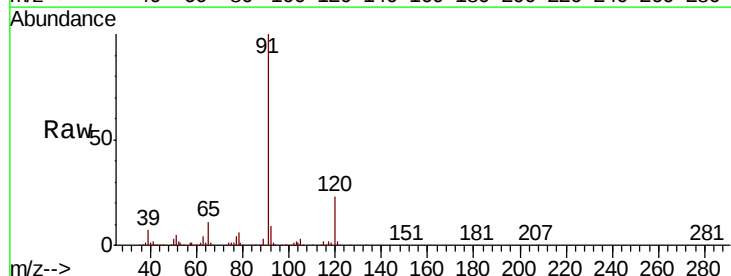
Acq: 09 Mar 2019 00:24

Tgt Ion: 91 Resp: 274427

Ion Ratio Lower Upper

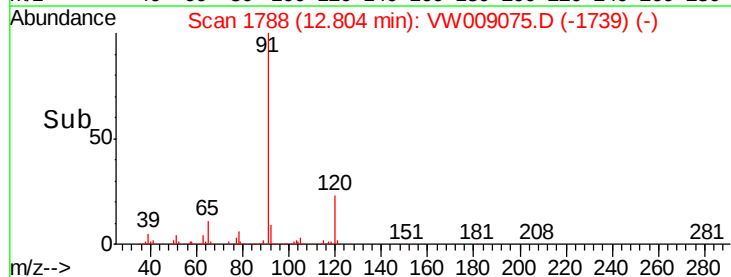
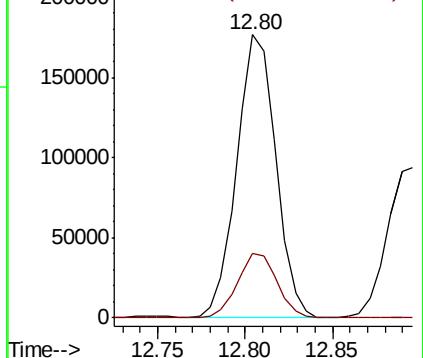
91 100

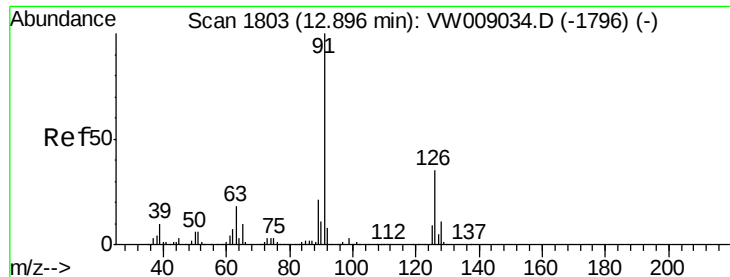
120 23.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.183 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

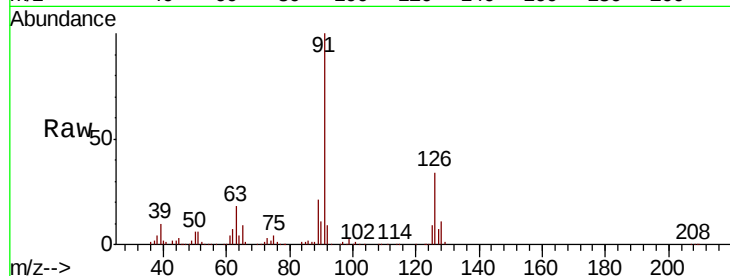
SD2-0.5-1.0MSD

Tot Ion: 91 Resp: 153807

Ion Ratio Lower Upper

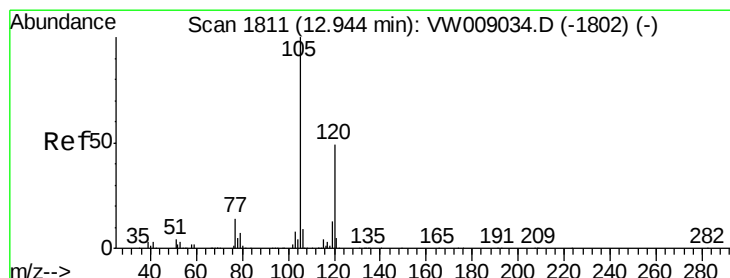
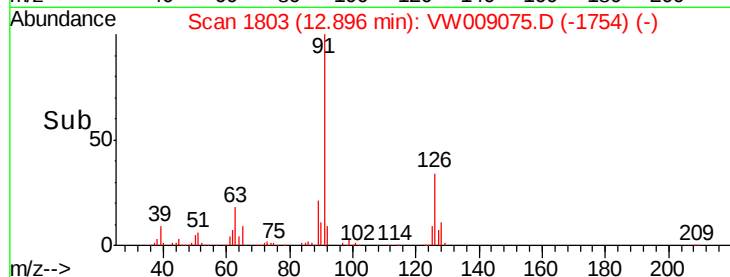
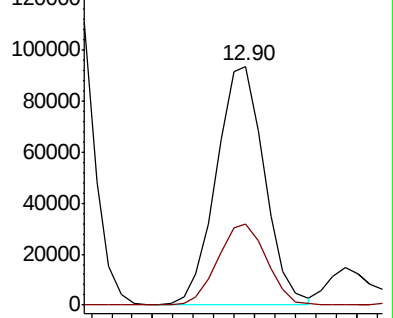
91 100

126 34.6 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.432 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009075.D

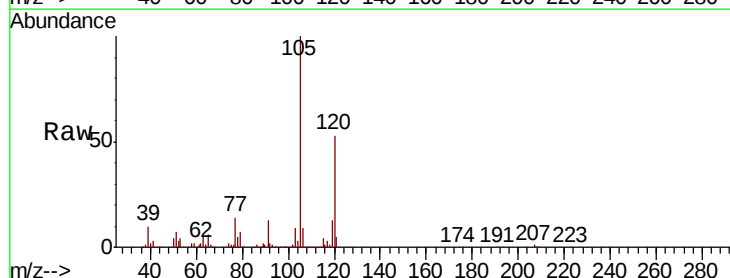
Acq: 09 Mar 2019 00:24

Tgt Ion:105 Resp: 180861

Ion Ratio Lower Upper

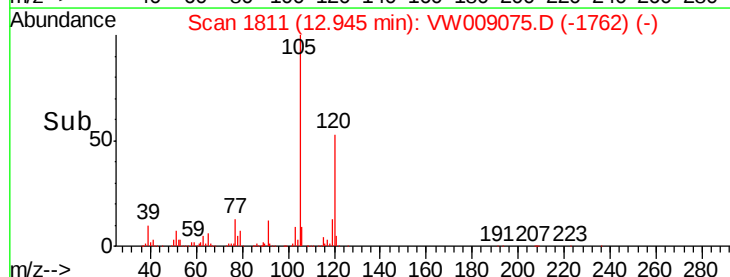
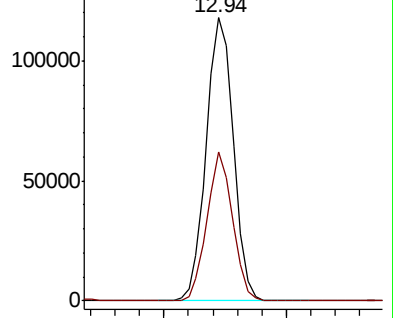
105 100

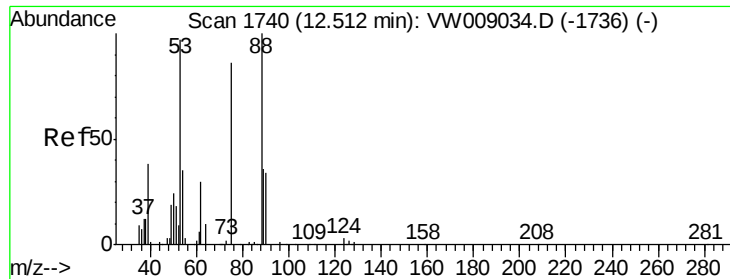
120 49.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.748 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

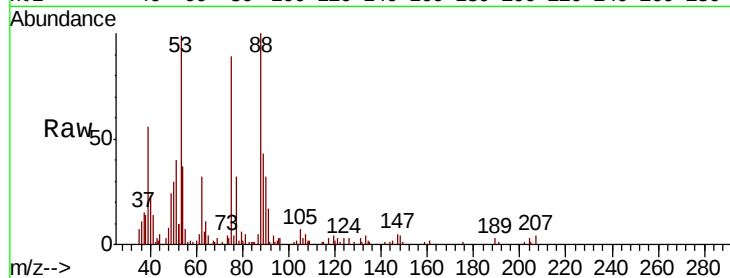
MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion: 75 Resp: 10420

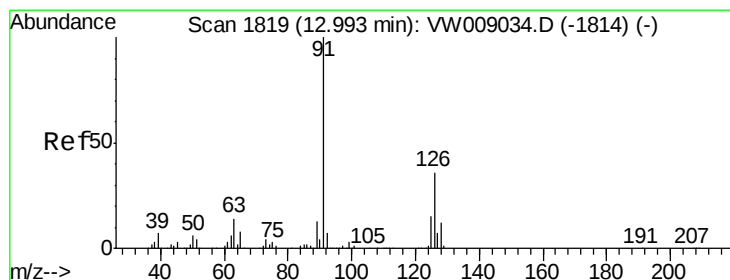
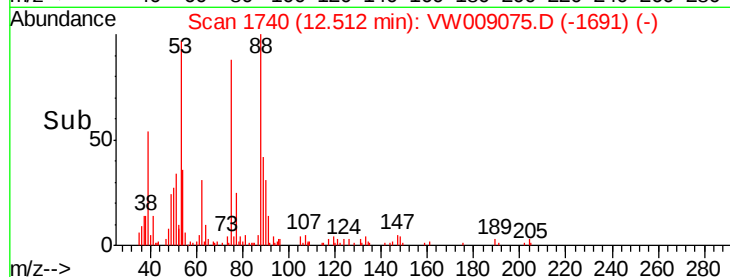
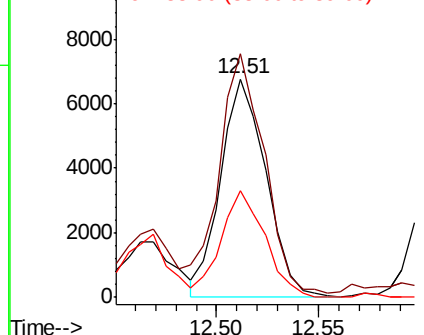
Ion	Ratio	Lower	Upper
75	100		
53	112.4	90.5	135.7
89	47.6	37.5	56.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 47.560 ug/l

RT: 12.99 min Scan# 1819

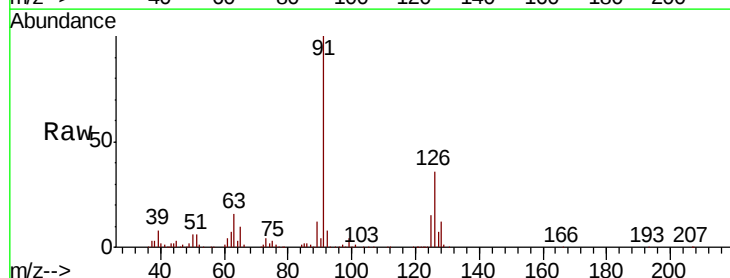
Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

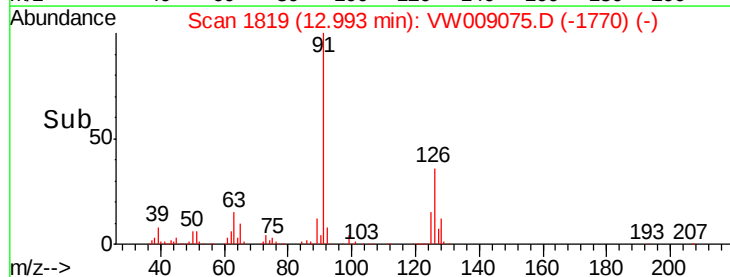
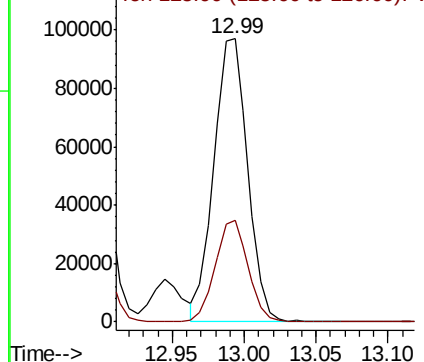
Tgt Ion: 91 Resp: 158545

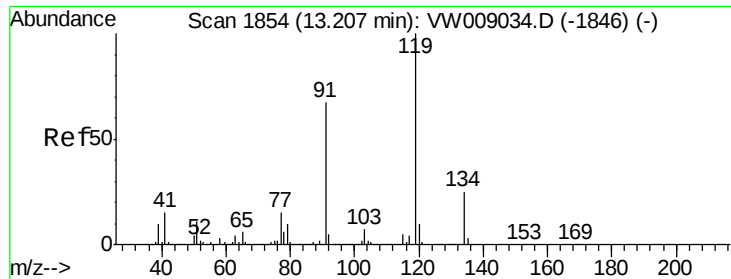
Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.6	49.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

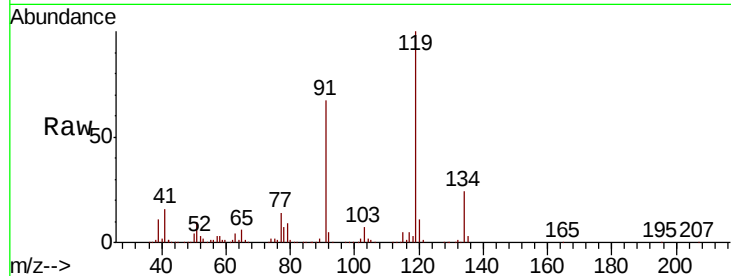




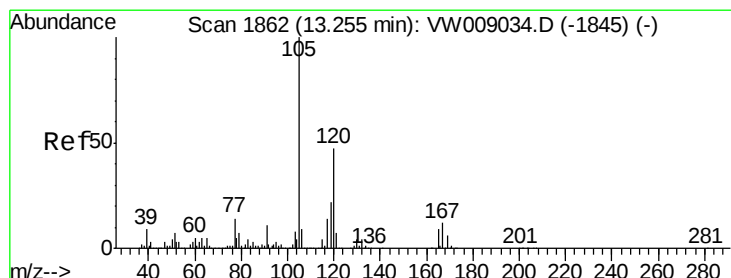
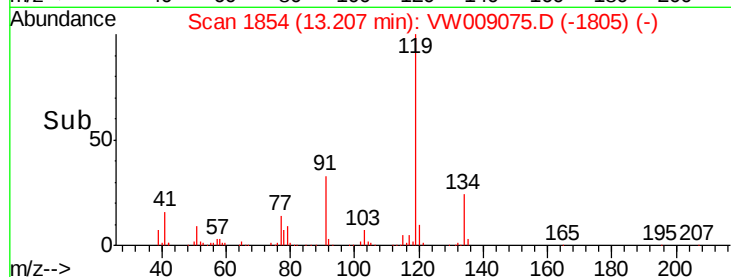
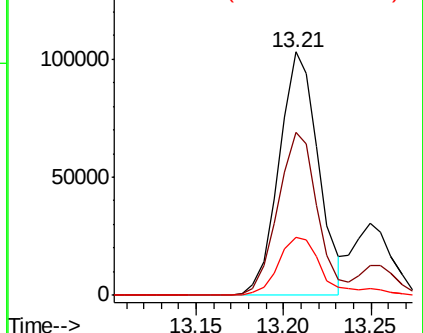
#83
tert-Butylbenzene
Concen: 49.123 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion:119 Resp: 161373
Ion Ratio Lower Upper
119 100
91 67.8 34.2 102.5
134 27.4 13.9 41.6

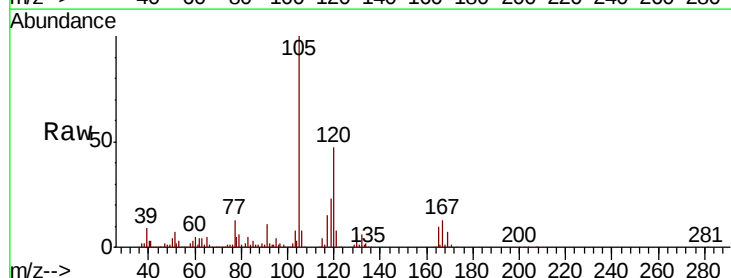


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

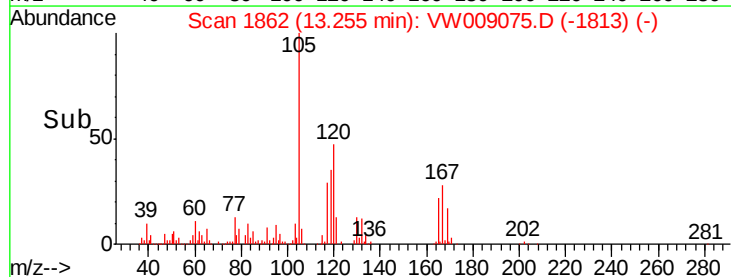
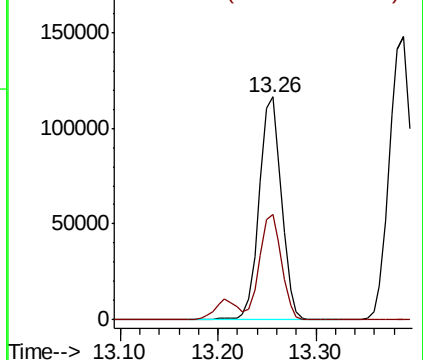


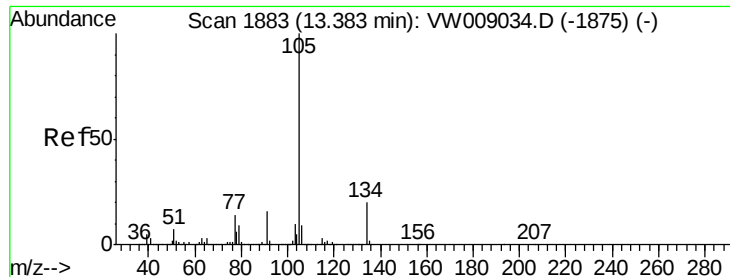
#84
1,2,4-Trimethylbenzene
Concen: 46.719 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion:105 Resp: 184087
Ion Ratio Lower Upper
105 100
120 46.6 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 47.561 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

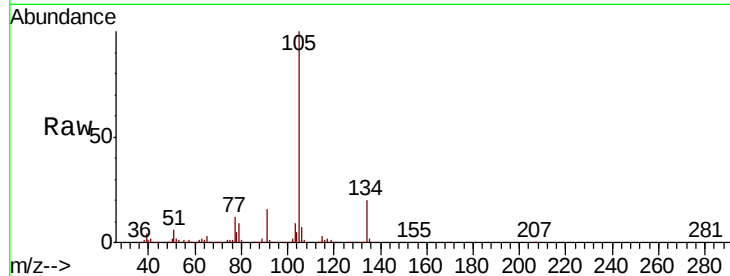
SD2-0.5-1.0MSD

Tot Ion:105 Resp: 231492

Ion Ratio Lower Upper

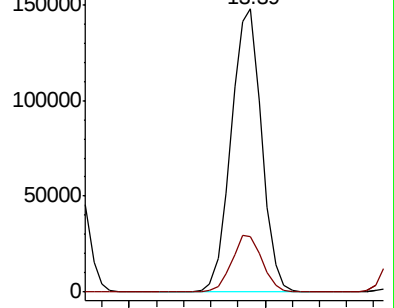
105 100

134 20.2 10.0 30.0

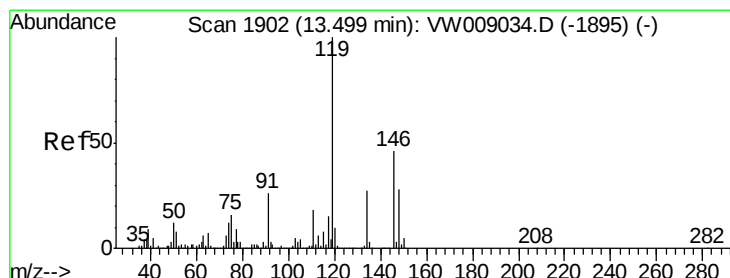
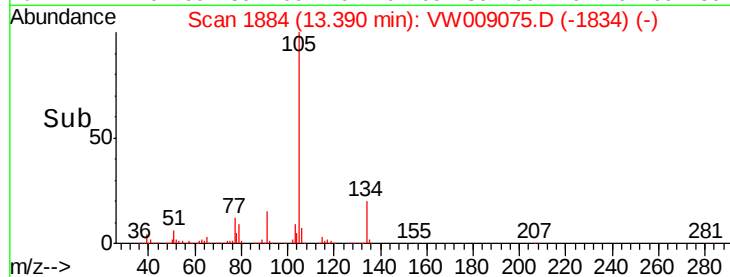


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 44.730 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

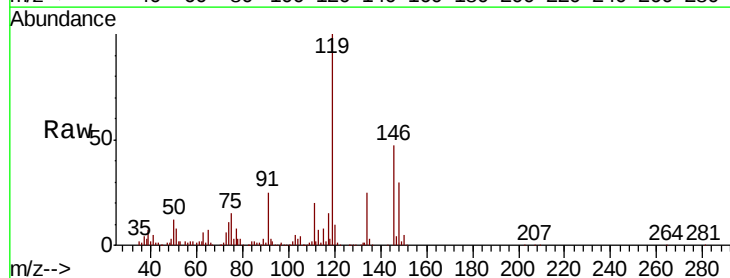
Tgt Ion:119 Resp: 194763

Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.9

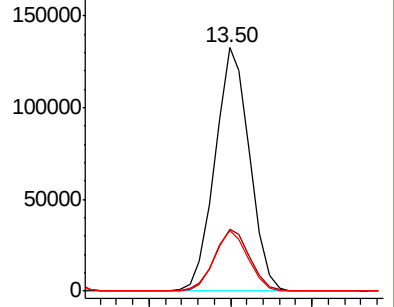
91 24.4 12.3 36.9



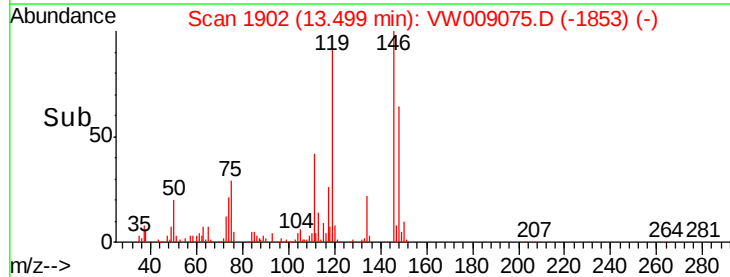
Abundance Ion 119.00 (118.70 to 119.70): V

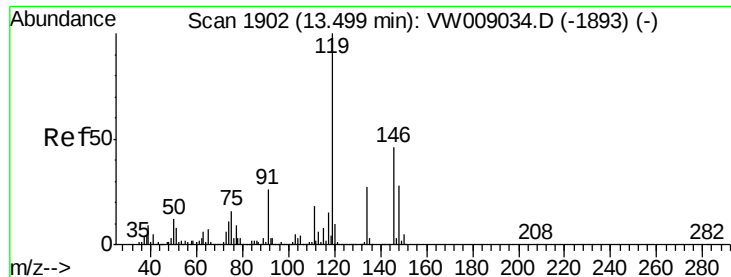
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 47.419 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

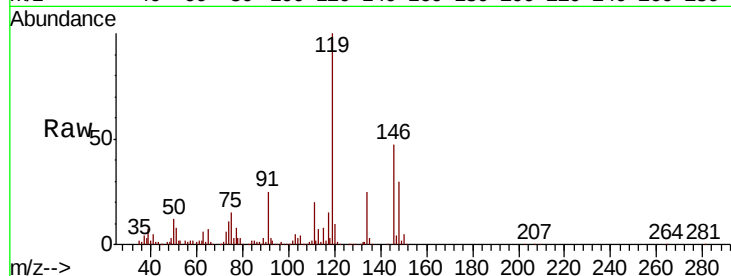
Tot Ion:146 Resp: 102892

Ion Ratio Lower Upper

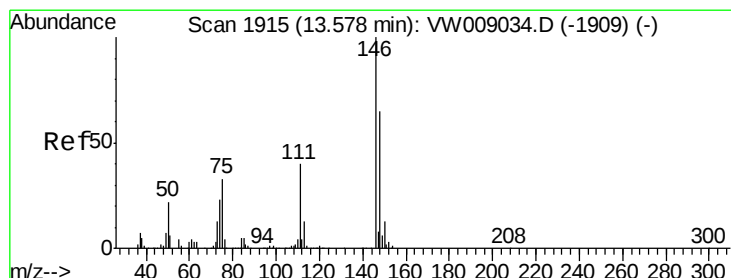
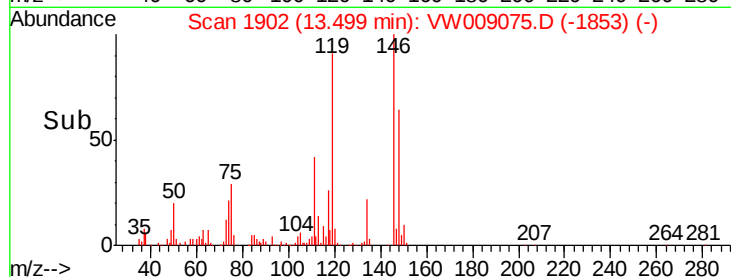
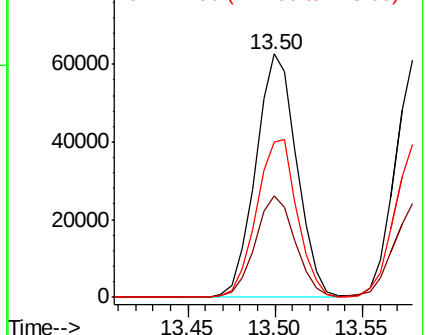
146 100

111 40.9 19.8 59.4

148 64.5 31.6 94.8



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



#88

1,4-Dichlorobenzene

Concen: 46.647 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

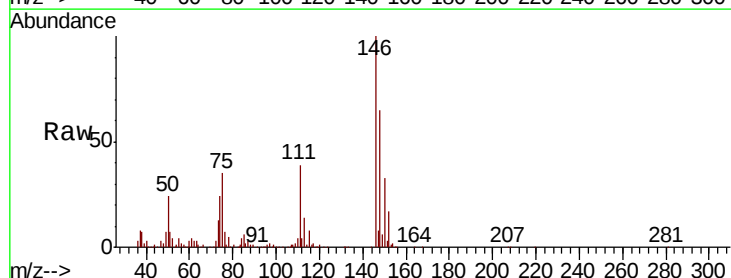
Tgt Ion:146 Resp: 100028

Ion Ratio Lower Upper

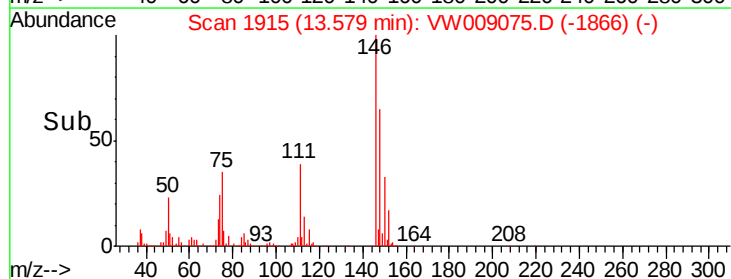
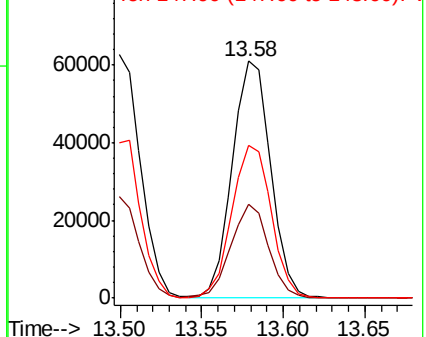
146 100

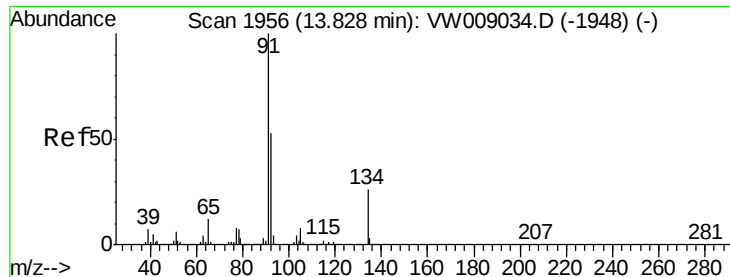
111 38.9 19.7 59.0

148 66.3 32.2 96.6



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





#89

n-Butylbenzene

Concen: 41.373 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampled :

SD2-0.5-1.0MSD

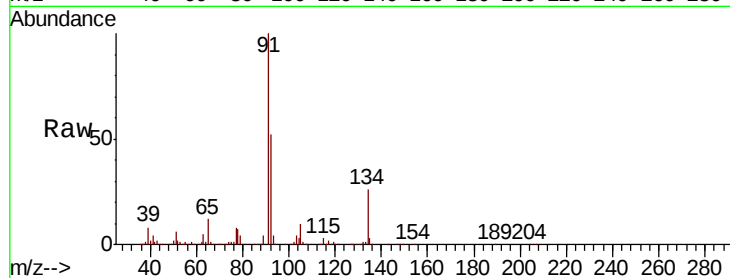
Tot Ion: 91 Resp: 171257

Ion Ratio Lower Upper

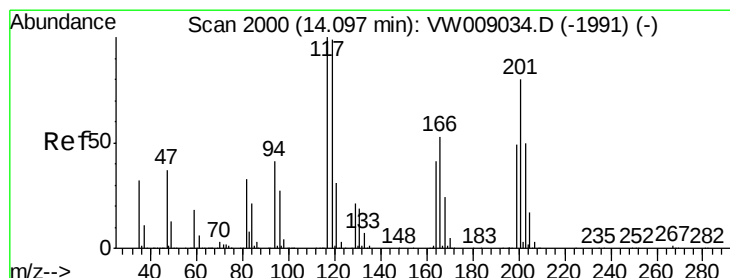
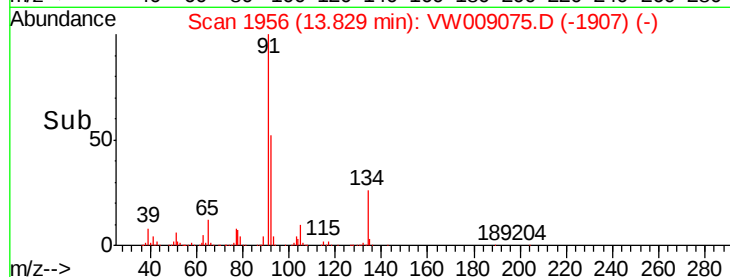
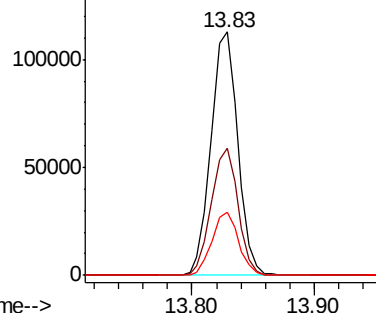
91 100

92 52.0 26.8 80.3

134 25.7 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.004 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009075.D

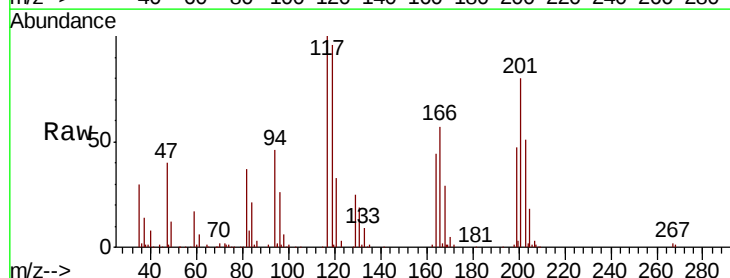
Acq: 09 Mar 2019 00:24

Tgt Ion: 117 Resp: 36800

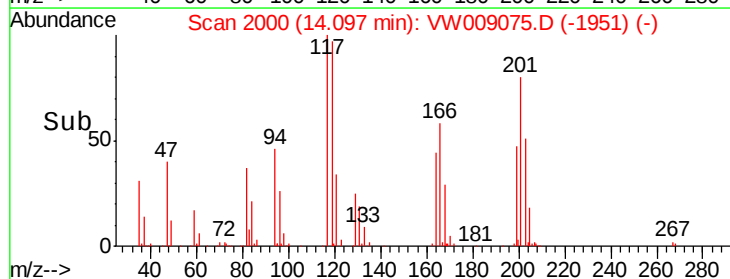
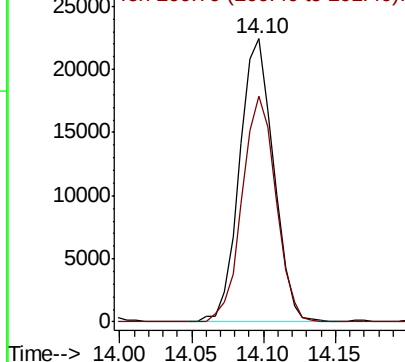
Ion Ratio Lower Upper

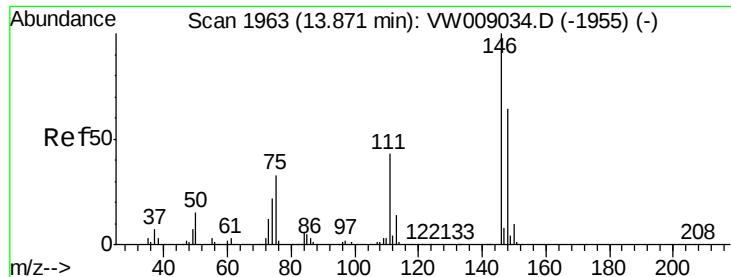
117 100

201 79.1 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 47.928 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

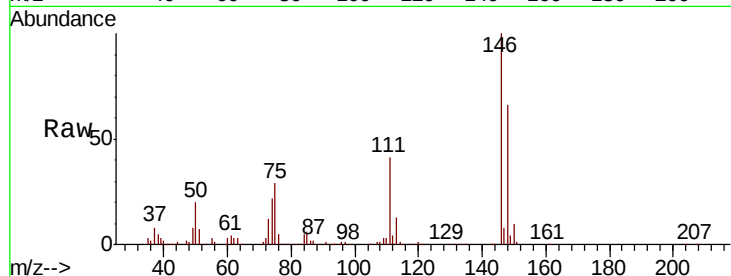
Tot Ion:146 Resp: 91755

Ion Ratio Lower Upper

146 100

111 41.3 21.1 63.1

148 64.5 32.3 96.9

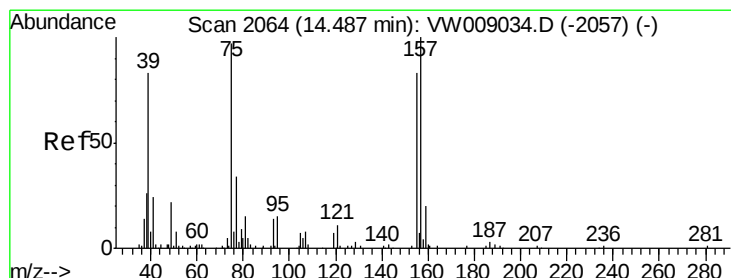
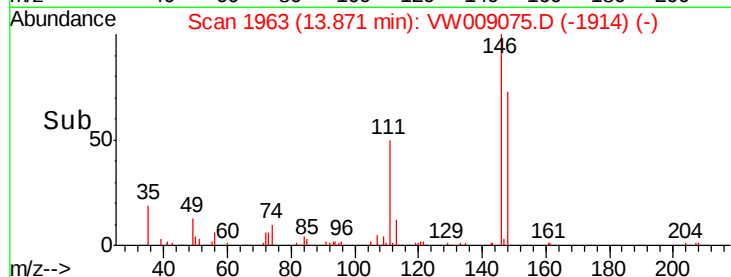
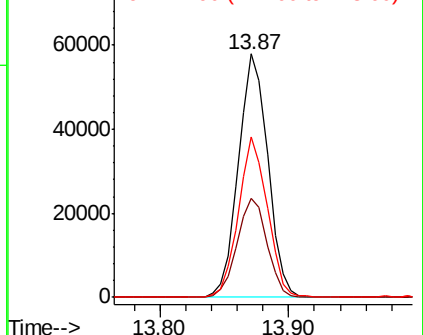


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.130 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

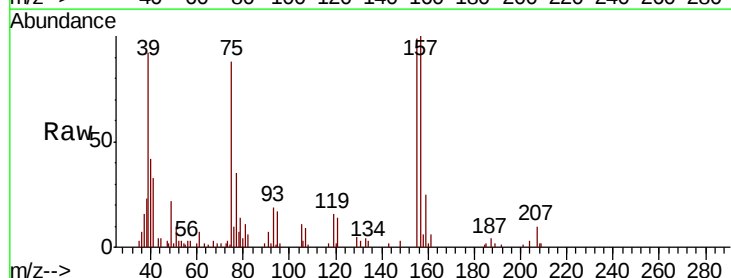
Tgt Ion: 75 Resp: 7126

Ion Ratio Lower Upper

75 100

155 94.7 40.8 122.4

157 108.1 52.4 157.3

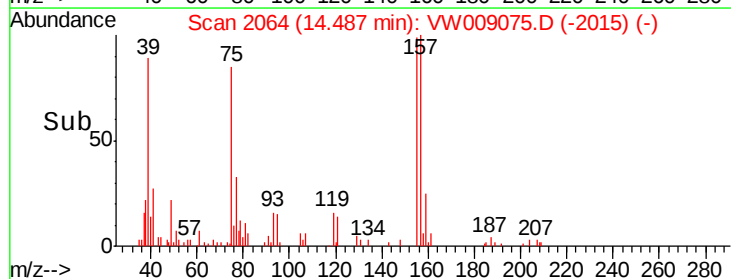
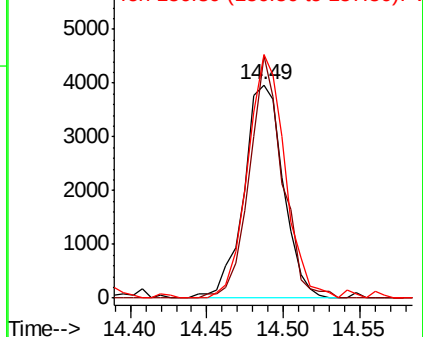


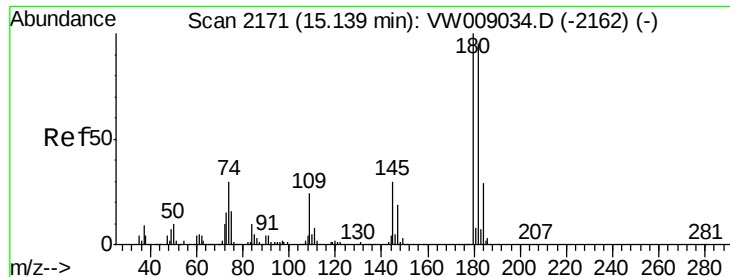
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

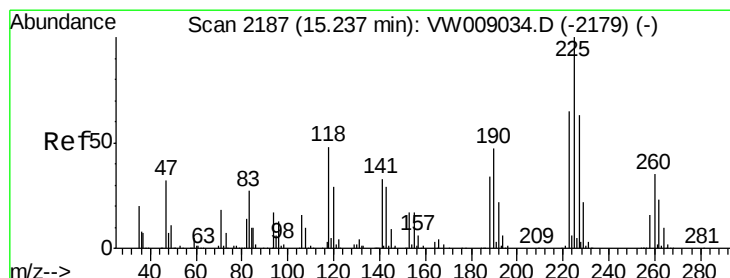
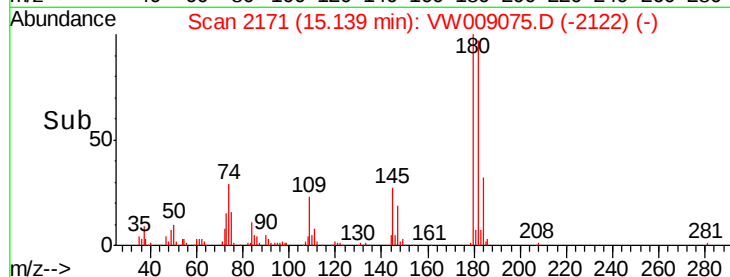
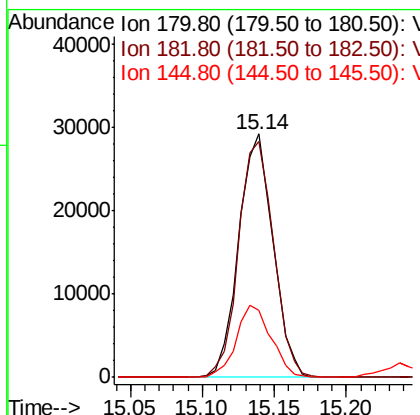
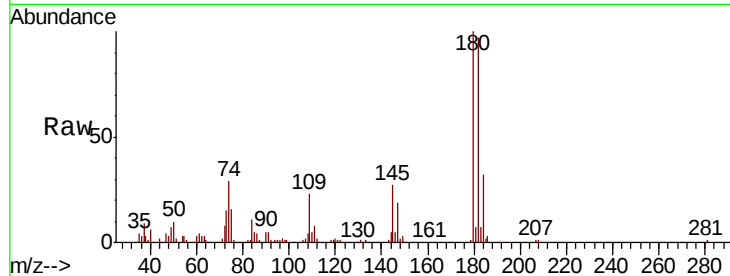




#93
 1,2,4-Trichlorobenzene
 Concen: 37.375 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

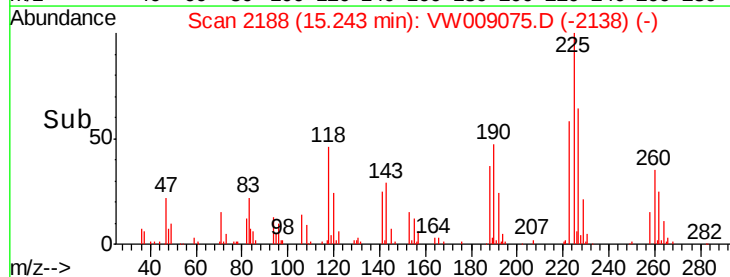
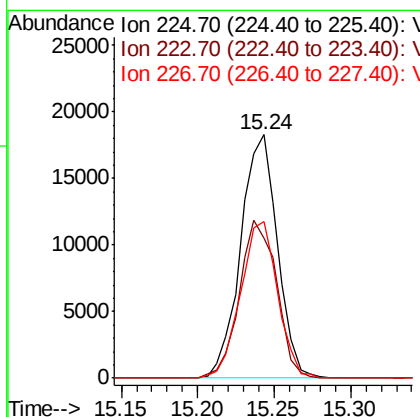
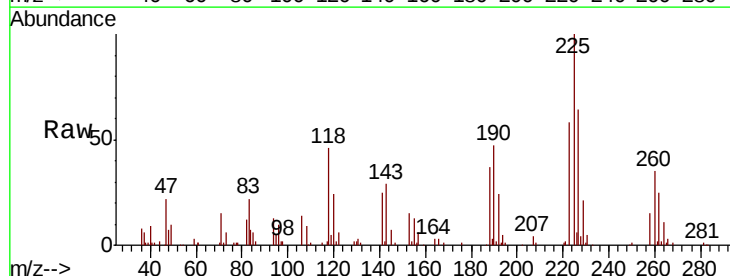
Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MSD

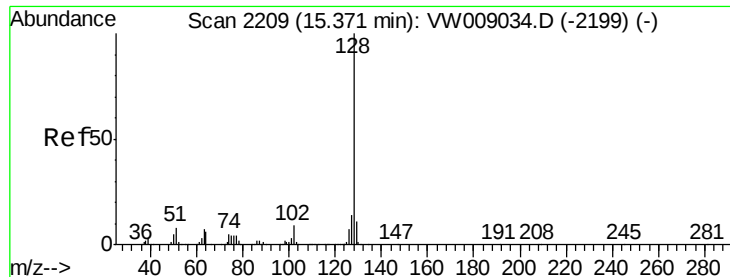
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	48.1	144.3
145	30.2	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 37.646 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	31.6	94.8
227	65.0	32.0	96.2

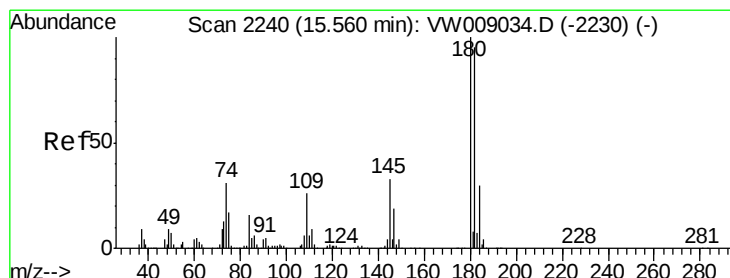
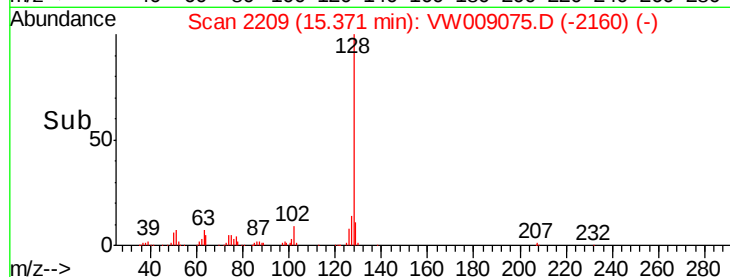
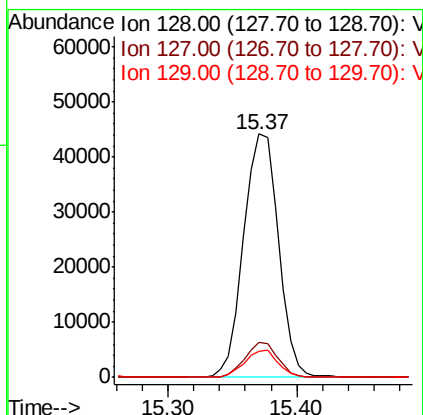
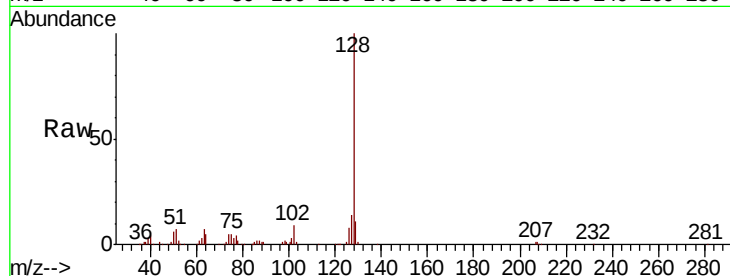




#95
Naphthalene
Concen: 38.943 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion:128 Resp: 82420
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.6
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 37.544 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion:180 Resp: 42683
Ion Ratio Lower Upper
180 100
182 95.1 48.1 144.3
145 32.4 15.8 47.3

