

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083018\
 Data File : VW005012.D
 Acq On : 30 Aug 2018 12:35
 Operator : SY/AP
 Sample : VW0830SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Manual Integrations
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 8/31/2018 11:39:13 AM

Quant Time: Aug 30 14:35:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:51:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	537105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	772824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	817815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	441909	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	189658	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	7.89	113	185084	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	10.33	98	1082263	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.62	95	393759	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	100211	21.60	ug/l	99
3) Chloromethane	2.22	50	167476	25.41	ug/l	99
4) Vinyl Chloride	2.36	62	142713	21.70	ug/l	97
5) Bromomethane	2.78	94	93310	21.70	ug/l	97
6) Chloroethane	2.92	64	83095	21.36	ug/l	96
7) Trichlorofluoromethane	3.26	101	128583	18.91	ug/l	98
8) Diethyl Ether	3.69	74	43574	22.53	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	81437	19.40	ug/l	97
10) Methyl Iodide	4.28	142	78827	14.22	ug/l	99
11) Tert butyl alcohol	5.21	59	23892	89.75	ug/l #	73
12) 1,1-Dichloroethene	4.04	96	77940	19.87	ug/l	99
13) Acrolein	3.91	56	21592	68.92	ug/l	99
14) Allyl chloride	4.68	41	121118	20.06	ug/l	99
15) Acrylonitrile	5.39	53	97820	99.19	ug/l	99
16) Acetone	4.15	43	80766	97.48	ug/l	95
17) Carbon Disulfide	4.38	76	327702	19.88	ug/l	100
18) Methyl Acetate	4.68	43	49958	24.89	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	188055	22.31	ug/l	98
20) Methylene Chloride	4.92	84	152562	23.58	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	89817	21.09	ug/l	99
22) Diisopropyl ether	6.32	45	272298	22.09	ug/l	95
23) Vinyl Acetate	6.26	43	634981	100.74	ug/l	98
24) 1,1-Dichloroethane	6.22	63	157132	21.07	ug/l	100
25) 2-Butanone	7.18	43	135045	104.52	ug/l	95
26) 1,2-Dichloropropane	7.17	77	111377	17.01	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	97164	20.97	ug/l	100
28) Bromochloromethane	7.52	49	67898	20.70	ug/l	99
29) Tetrahydrofuran	7.54	42	70547	108.09	ug/l	97
30) Chloroform	7.68	83	155187	21.15	ug/l	100
31) Cyclohexane	7.96	56	158315	20.03	ug/l #	92
32) 1,1,1-Trichloroethane	7.88	97	139452	20.66	ug/l	100
36) 1,1-Dichloropropene	8.09	75	129706	19.81	ug/l	99
37) Ethyl Acetate	7.26	43	48835	20.69	ug/l	99
38) Carbon Tetrachloride	8.07	117	120466	19.01	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	167761	18.58	ug/l	98
40) Benzene	8.33	78	421589	20.11	ug/l	99
41) Methacrylonitrile	7.49	41	29335	21.33	ug/l	97
42) 1,2-Dichloroethane	8.41	62	95709	20.52	ug/l	99
43) Isopropyl Acetate	8.43	43	94530	20.13	ug/l	99
44) Trichloroethene	9.10	130	105559	19.72	ug/l	95
45) 1,2-Dichloropropane	9.37	63	99531	20.75	ug/l	98
46) Dibromomethane	9.46	93	46231	20.37	ug/l	97
47) Bromodichloromethane	9.65	83	116745	20.82	ug/l	95
48) Methyl methacrylate	9.44	41	49833	19.70	ug/l	94
49) 1,4-Dioxane	9.49	88	18553	393.89	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	352127	100.11	ug/l	100
52) Toluene	10.39	92	325091	20.91	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	112713	18.82	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	136177	19.50	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	73980	19.91	ug/l	99
56) Ethyl methacrylate	10.65	69	100128	20.55	ug/l	98
57) 1,3-Dichloropropane	10.94	76	123993	20.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	202889	96.64	ug/l	99
59) 2-Hexanone	10.98	43	249212	97.85	ug/l	97
60) Dibromochloromethane	11.13	129	79041	19.39	ug/l	98
61) 1,2-Dibromoethane	11.24	107	68696	19.72	ug/l	100
64) Tetrachloroethene	10.87	164	129953	21.79	ug/l	97
65) Chlorobenzene	11.66	112	357400	19.89	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	92942	18.83	ug/l	99
67) Ethyl Benzene	11.74	91	619841	20.15	ug/l	99
68) m/p-Xylenes	11.85	106	510510	40.68	ug/l	98
69) o-Xylene	12.17	106	238846	20.83	ug/l	98
70) Styrene	12.19	104	388218	20.41	ug/l	99
71) Bromoform	12.35	173	49035	17.87	ug/l #	98
73) Isopropylbenzene	12.47	105	622191	21.12	ug/l	99
74) N-amyl acetate	12.28	43	111825	20.12	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	87380	19.59	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64676m	20.66	ug/l	
77) Bromobenzene	12.76	156	149420	20.67	ug/l	100
78) n-propylbenzene	12.81	91	771627	21.24	ug/l	99
79) 2-Chlorotoluene	12.90	91	446606	21.28	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	552172	21.22	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	23185	16.74	ug/l	96
82) 4-Chlorotoluene	12.99	91	469151	20.98	ug/l	100
83) tert-Butylbenzene	13.21	119	458890	20.99	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	555539	21.04	ug/l	99
85) sec-Butylbenzene	13.39	105	669085	20.85	ug/l	100
86) p-Isopropyltoluene	13.51	119	594111	20.67	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	311608	20.34	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	304022	20.03	ug/l	98
89) n-Butylbenzene	13.83	91	538733	19.96	ug/l	100
90) Hexachloroethane	14.10	117	86229	19.08	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	277670	20.59	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15107	19.61	ug/l	97

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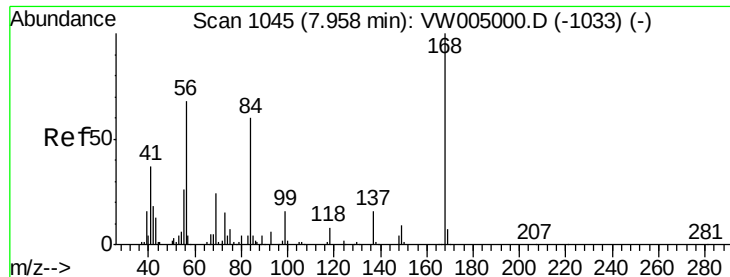
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QLast Update : Thu Aug 30 01:51:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	185365	19.62	ug/l	99
94) Hexachlorobutadiene	15.24	225	108203	18.29	ug/l	98
95) Naphthalene	15.38	128	315213	20.60	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	163723	19.61	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

ClientSampled :

VW0830SBS01

Tot Ion:168 Resp: 537105

Ion Ratio Lower Upper

168 100

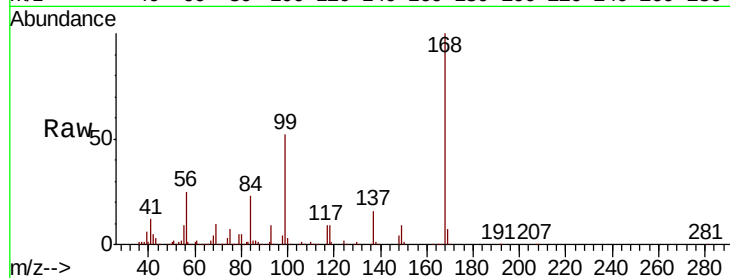
99 52.1 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

250000

200000

150000

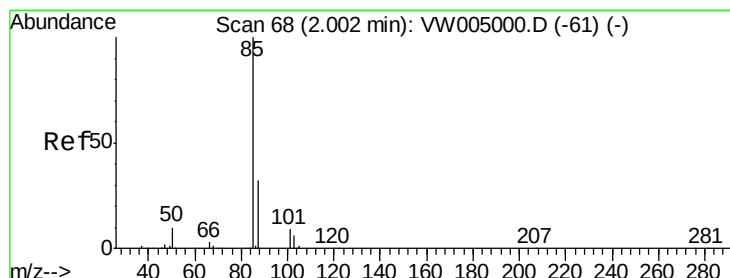
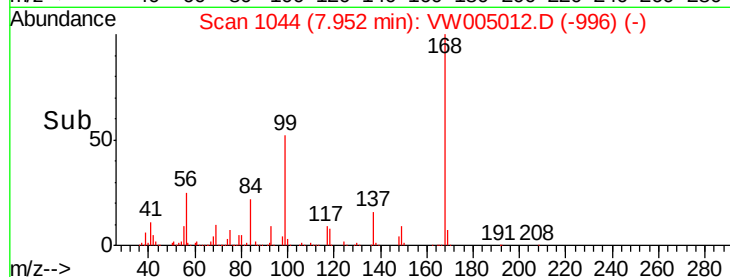
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50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.60 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005012.D

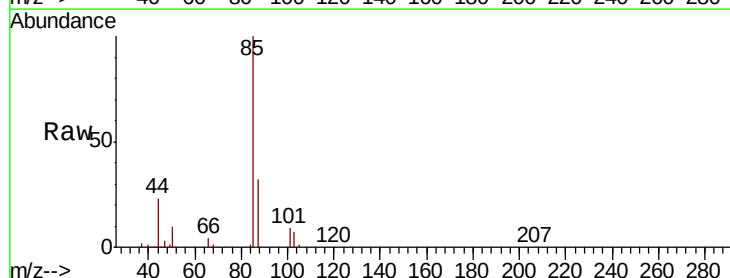
Acq: 30 Aug 2018 12:35

Tgt Ion: 85 Resp: 100211

Ion Ratio Lower Upper

85 100

87 32.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

80000

60000

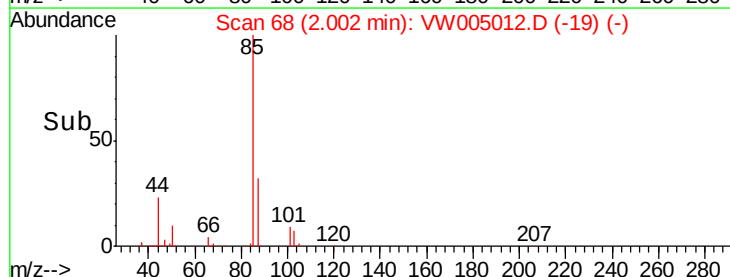
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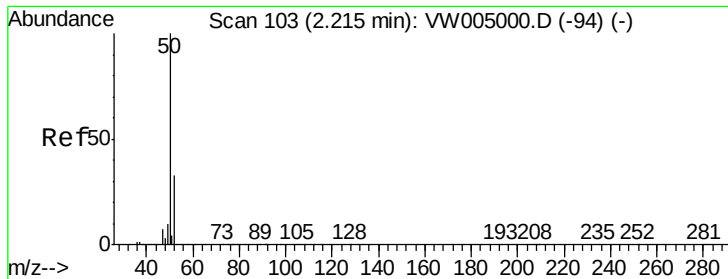
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 25.41 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 50 Resp: 167476

Ion Ratio Lower Upper

50 100

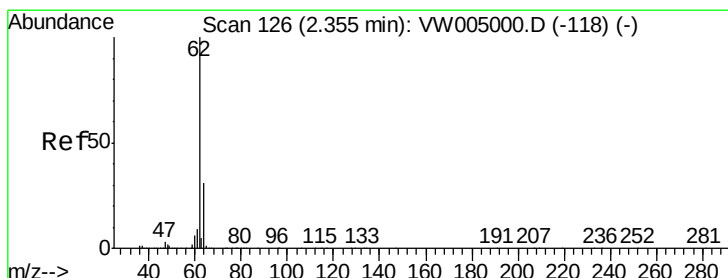
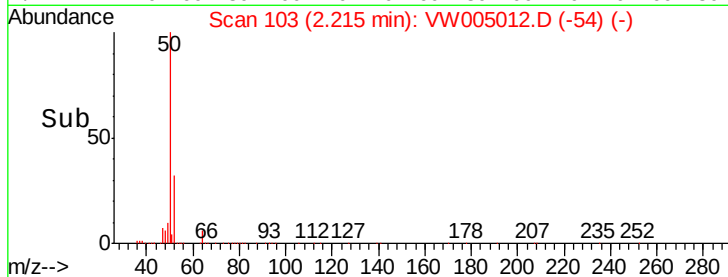
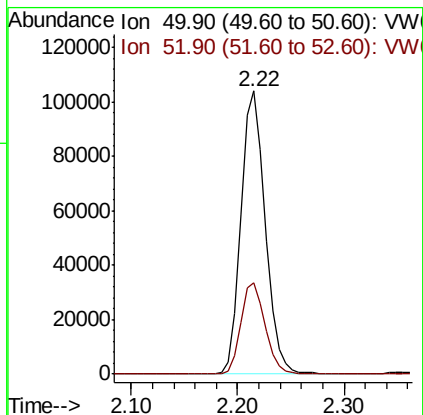
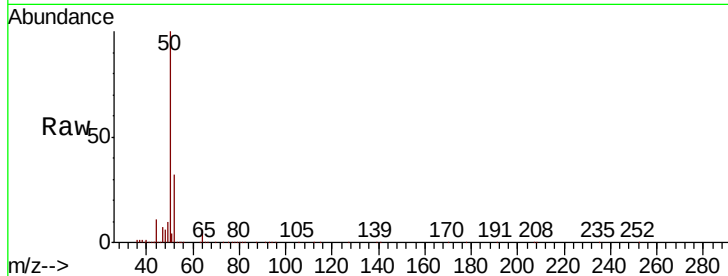
52 32.3 26.1 39.1

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#4

Vinyl Chloride

Concen: 21.70 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW005012.D

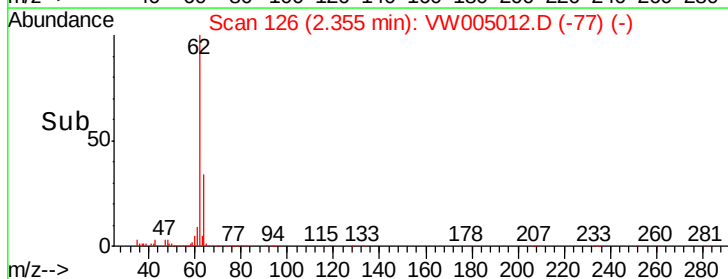
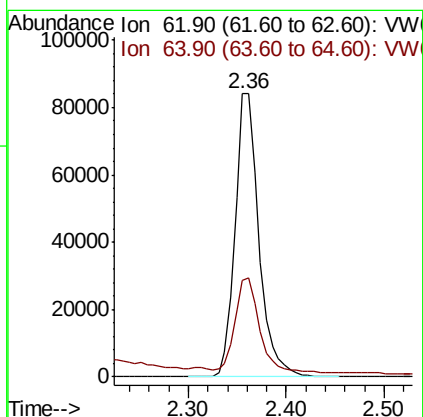
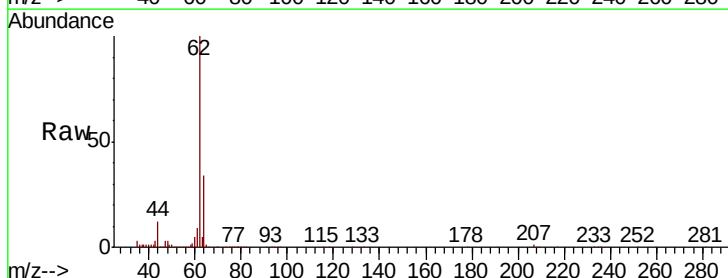
Acq: 30 Aug 2018 12:35

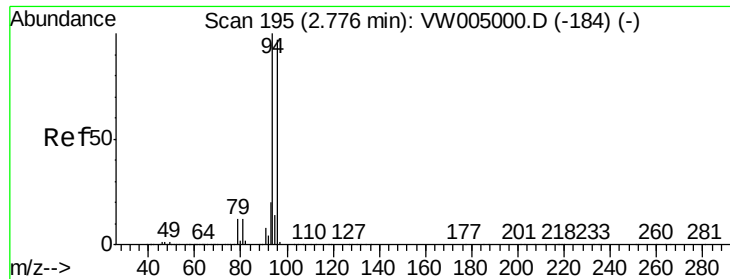
Tgt Ion: 62 Resp: 142713

Ion Ratio Lower Upper

62 100

64 32.6 24.8 37.2





#5

Bromomethane

Concen: 21.70 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 94 Resp: 93310

Ion Ratio Lower Upper

94 100

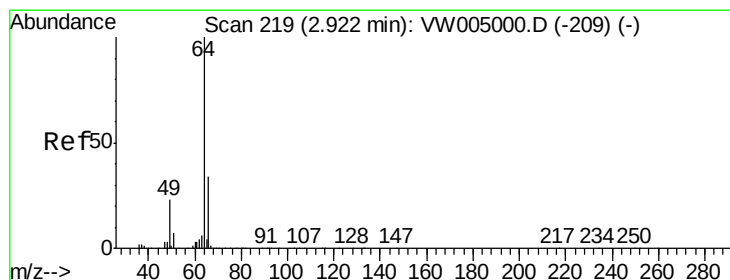
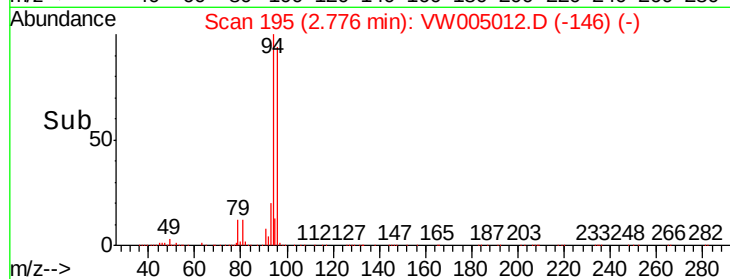
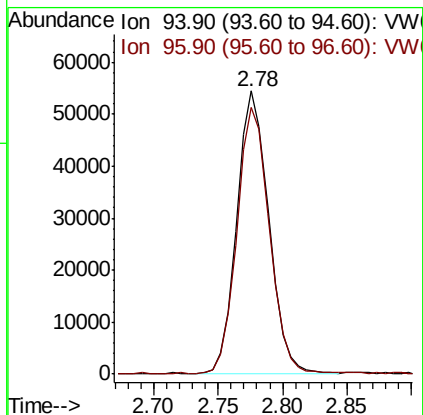
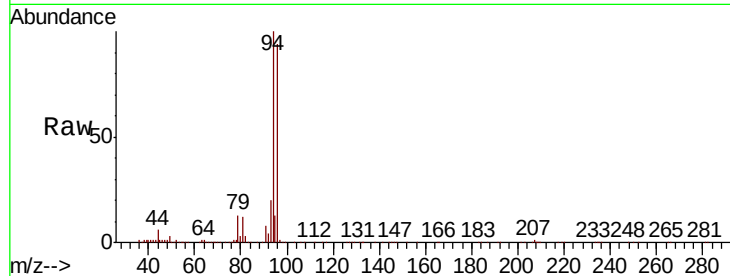
96 94.0 77.5 116.3

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#6

Chloroethane

Concen: 21.36 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW005012.D

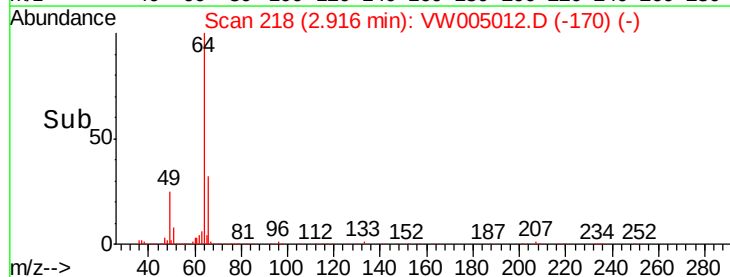
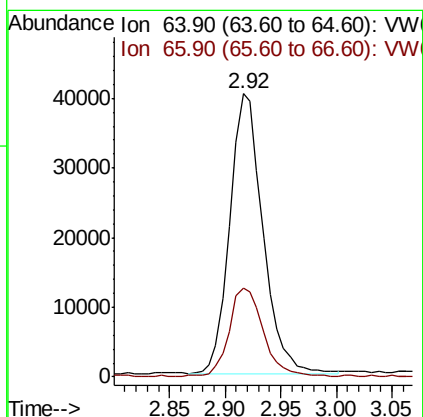
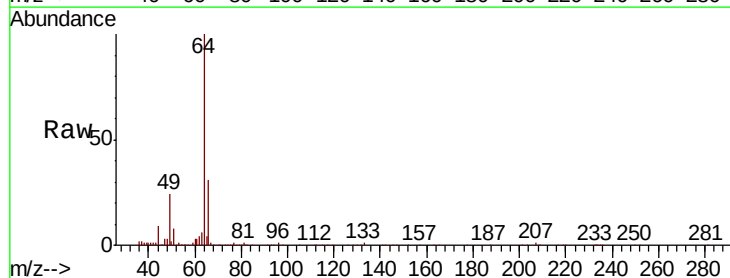
Acq: 30 Aug 2018 12:35

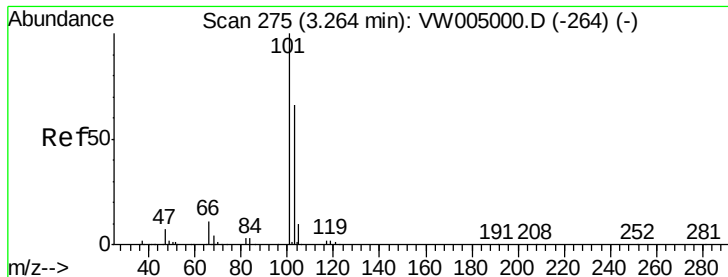
Tgt Ion: 64 Resp: 83095

Ion Ratio Lower Upper

64 100

66 31.2 26.8 40.2





#7

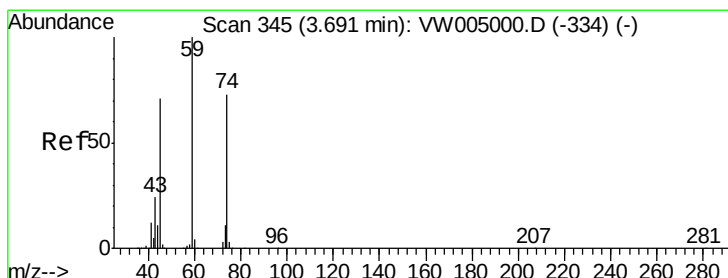
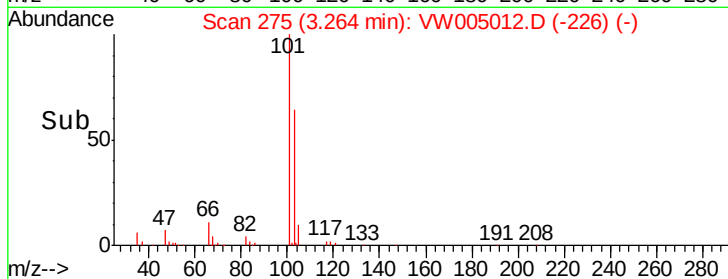
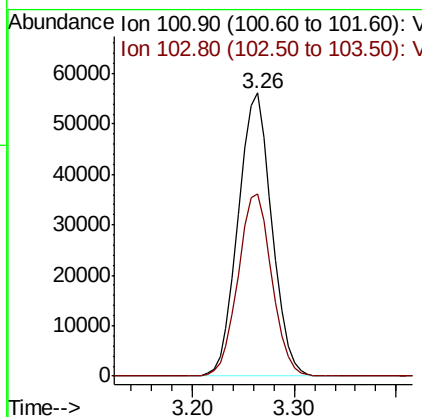
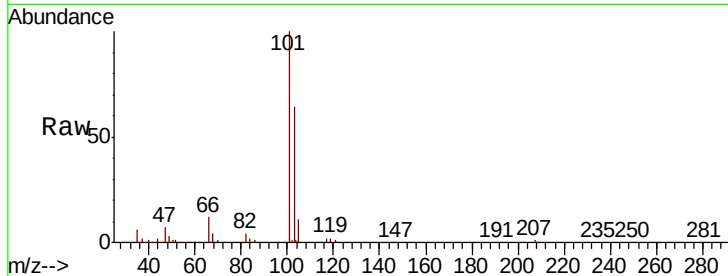
Trichlorofluoromethane
 Concen: 18.91 ug/l
 RT: 3.26 min Scan# 275
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Instrument :
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 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.6	78.8

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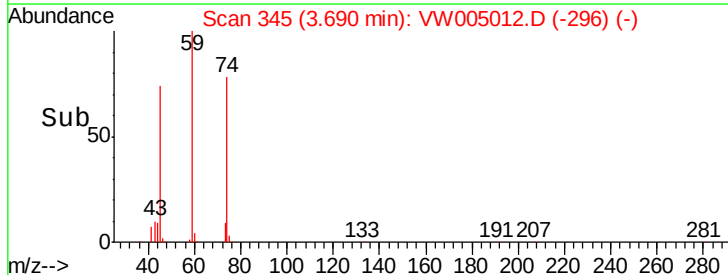
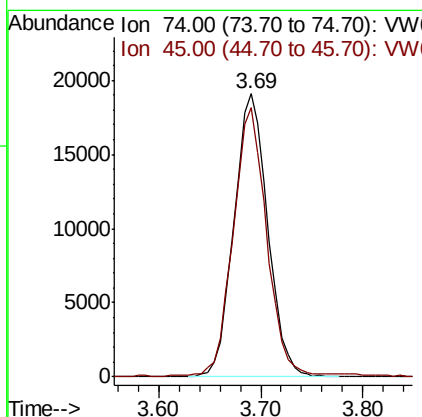
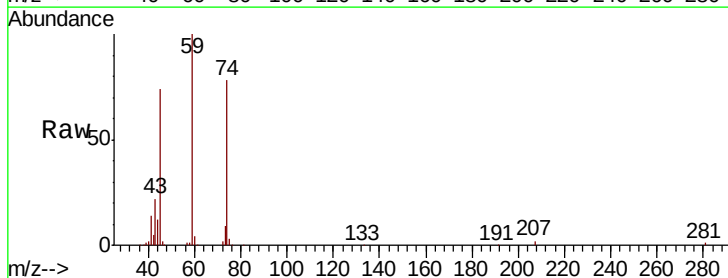
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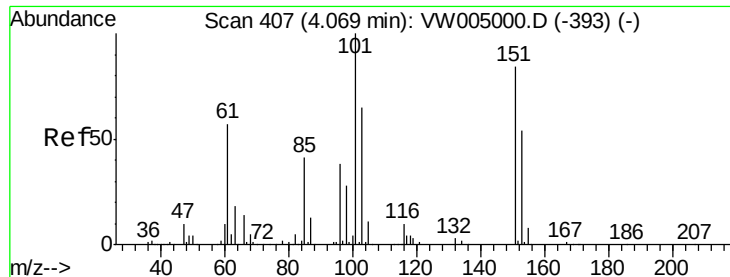


#8

Diethyl Ether
 Concen: 22.53 ug/l
 RT: 3.69 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	47.8	143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.40 ug/l

RT: 4.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

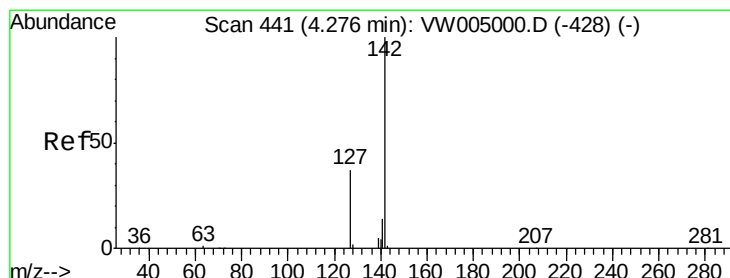
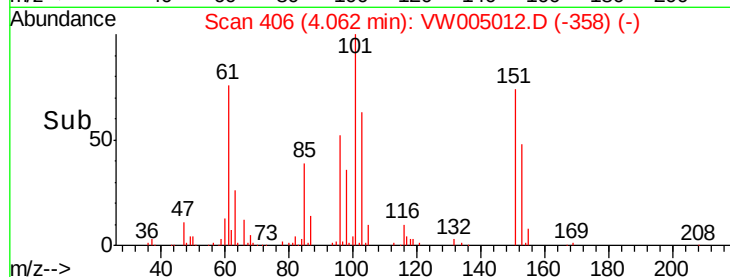
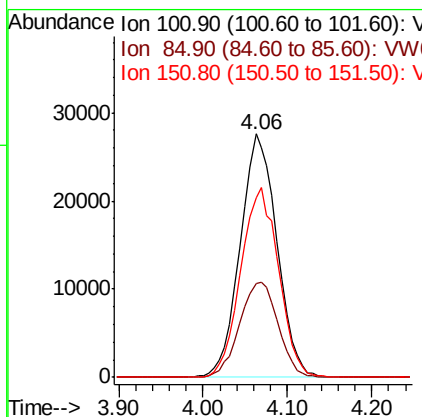
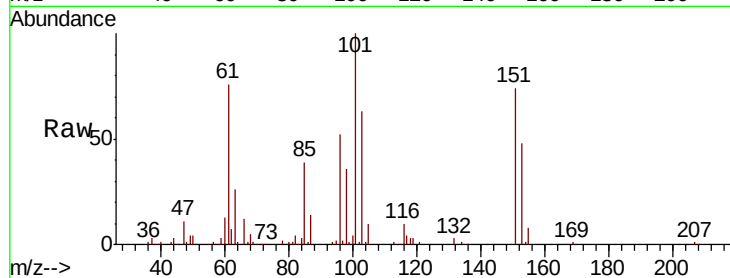
ClientSampleId :

VW0830SBS01

Tot Ion:	101	Resp:	81437
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.4	50.0
151	80.5	67.0	100.4

Manual Integrations
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#10

Methyl Iodide

Concen: 14.22 ug/l

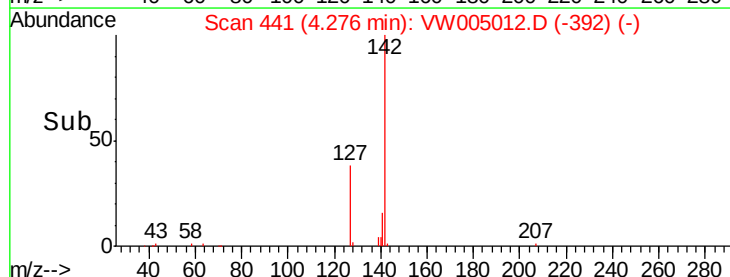
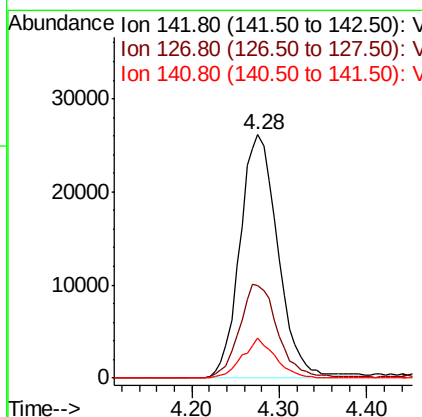
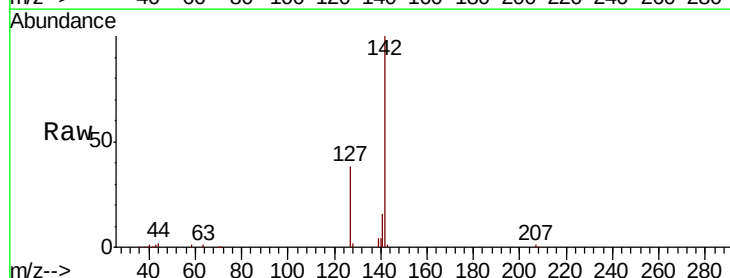
RT: 4.28 min Scan# 441

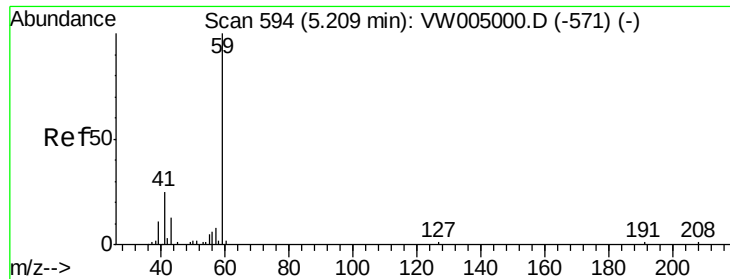
Delta R.T. 0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Tgt Ion:	142	Resp:	78827
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.1	46.7
141	14.4	11.4	17.2





#11

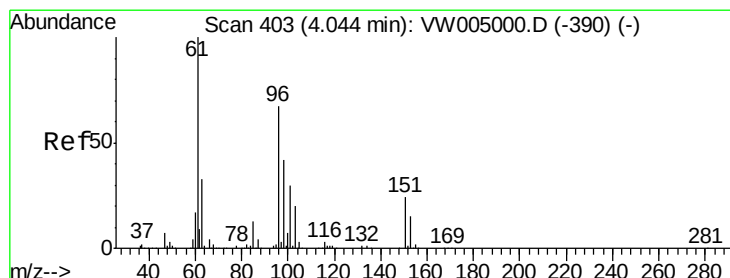
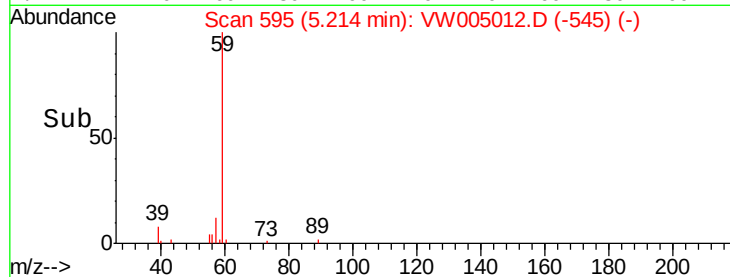
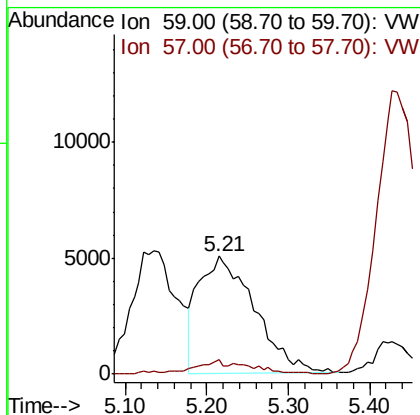
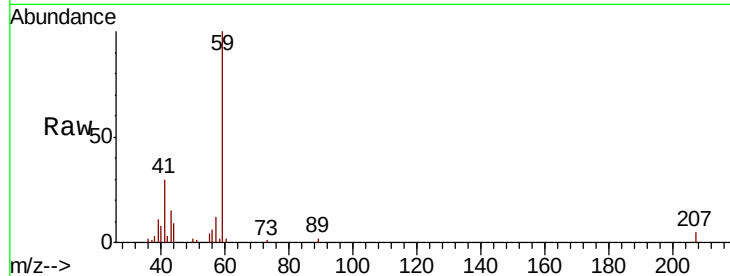
Tert butyl alcohol
Concen: 89.75 ug/l
RT: 5.21 min Scan# 595
Delta R.T. 0.01 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampled :
VW0830SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	23892		
57	57	0.0	8.1	12.1	#

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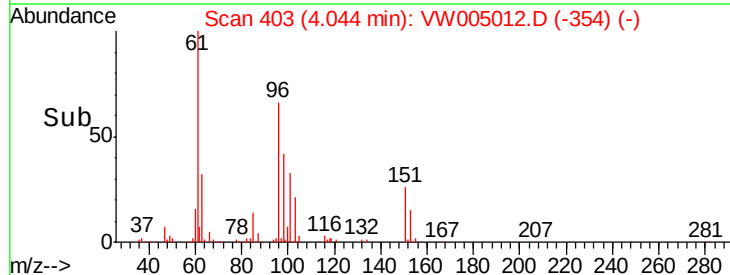
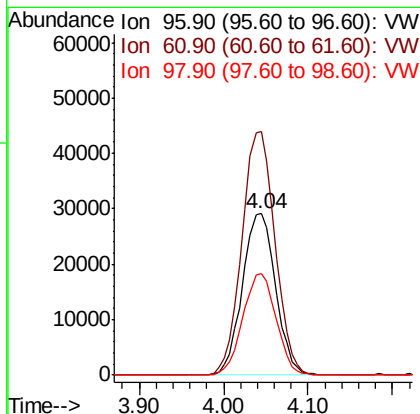
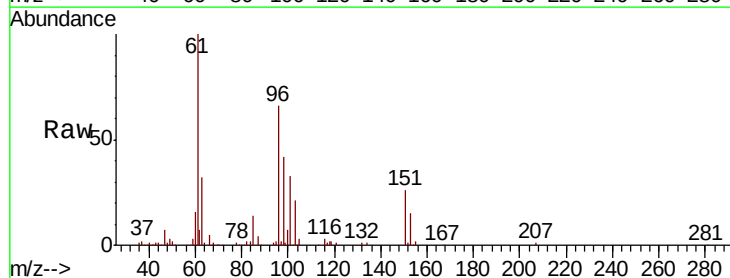
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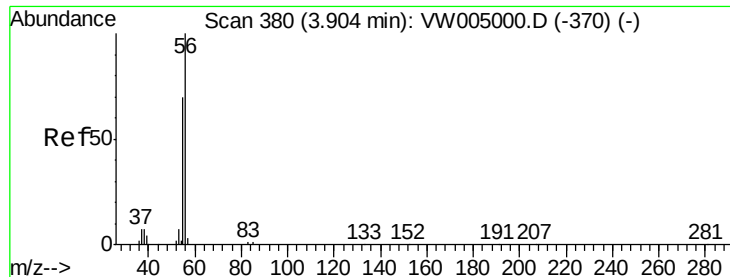


#12

1,1-Dichloroethene
Concen: 19.87 ug/l
RT: 4.04 min Scan# 403
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	77940		
61	61	150.9	119.5	179.3	
98	98	63.2	50.4	75.6	





#13

Acrolein

Concen: 68.92 ug/l

RT: 3.91 min Scan# 381

Delta R.T. 0.01 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 56 Resp: 21592

Ion Ratio Lower Upper

56 100

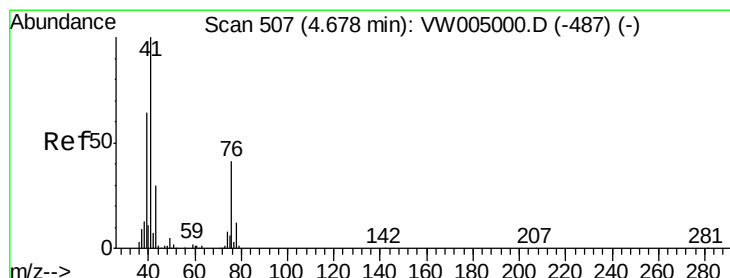
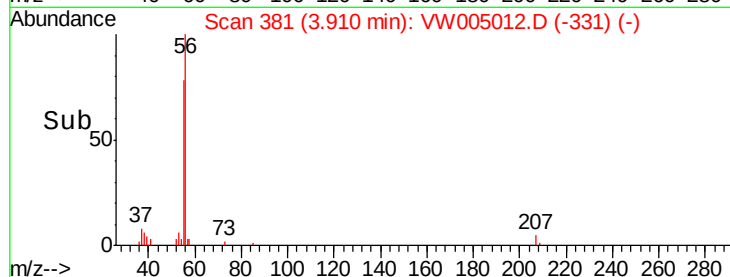
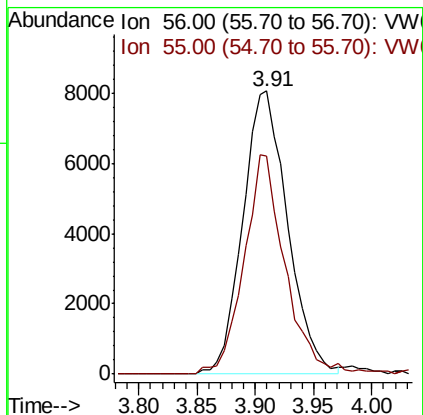
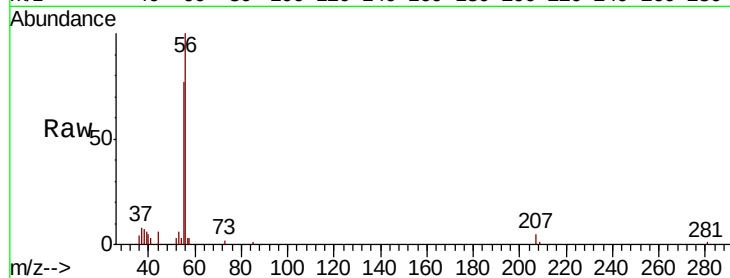
55 71.4 56.4 84.6

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#14

Allyl chloride

Concen: 20.06 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

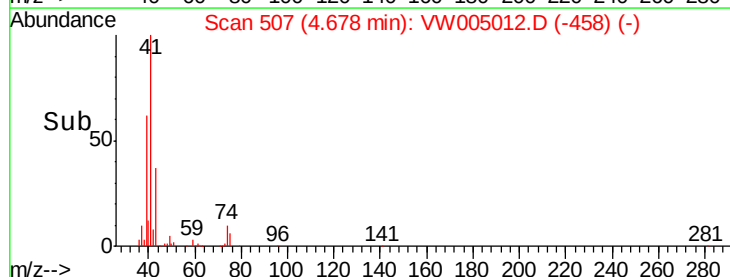
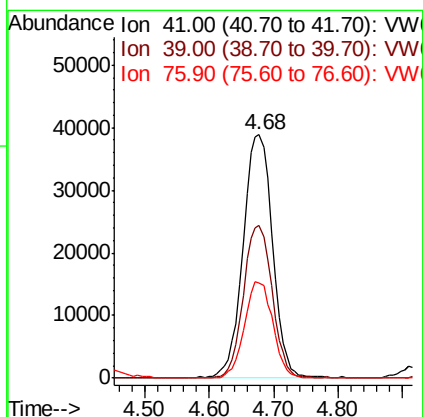
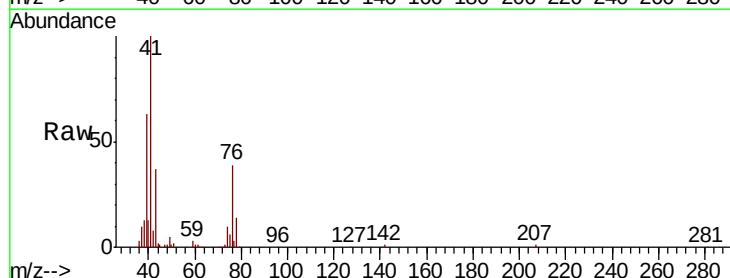
Tgt Ion: 41 Resp: 121118

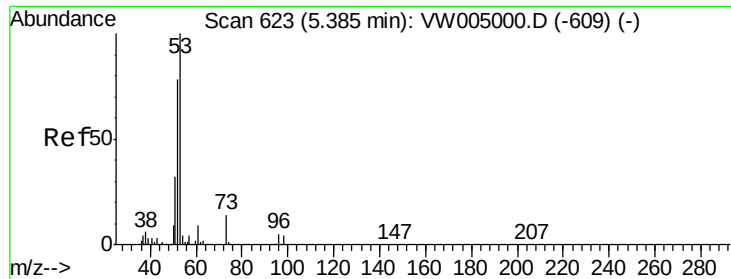
Ion Ratio Lower Upper

41 100

39 61.9 49.4 74.2

76 38.1 31.4 47.2





#15

Acrylonitrile

Concen: 99.19 ug/l

RT: 5.39 min Scan# 623

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

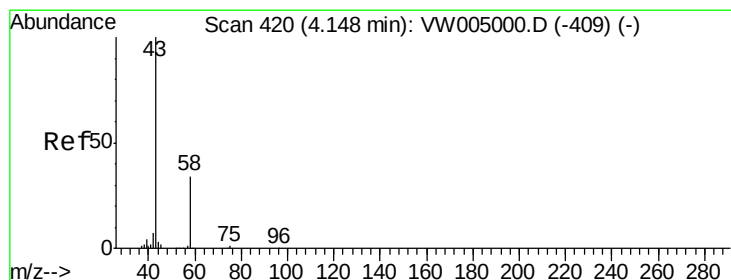
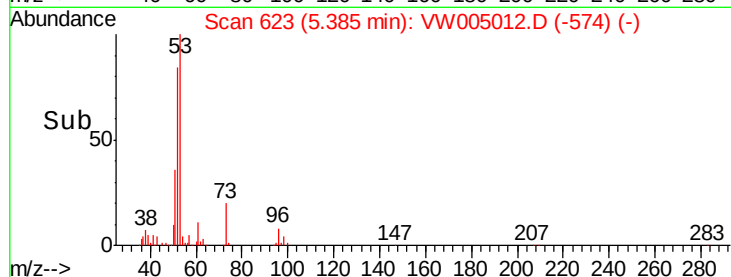
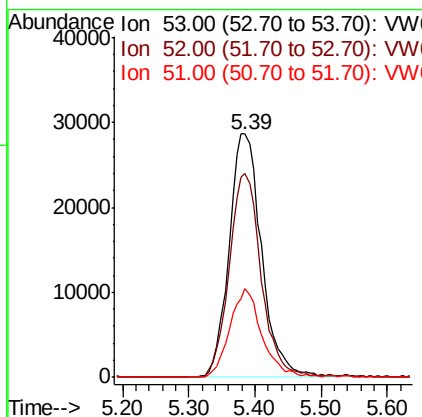
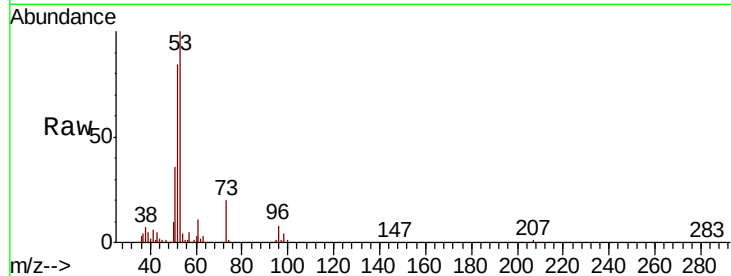
ClientSampleId :

VW0830SBS01

Tot Ion:	53	Resp:	97820
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.0	97.6
51	36.1	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 97.48 ug/l

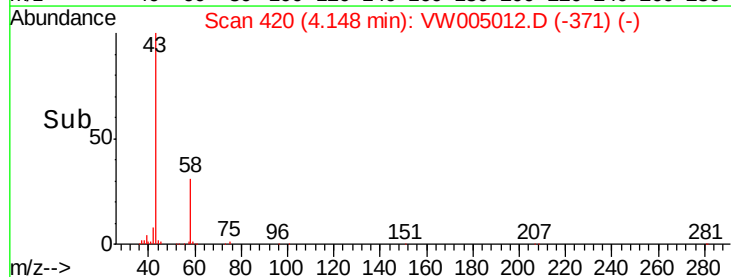
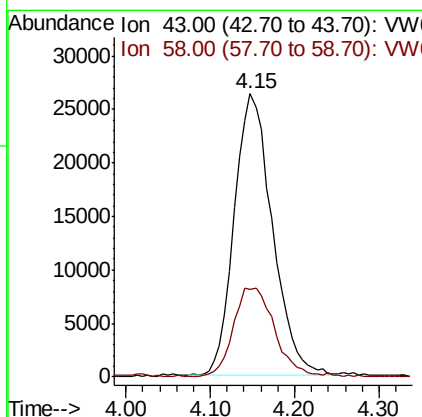
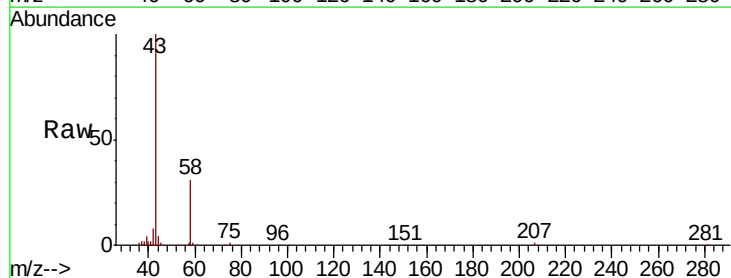
RT: 4.15 min Scan# 420

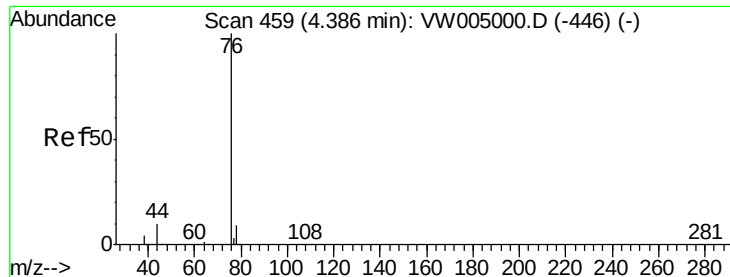
Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Tgt Ion:	43	Resp:	80766
Ion	Ratio	Lower	Upper
43	100		
58	31.3	27.2	40.8





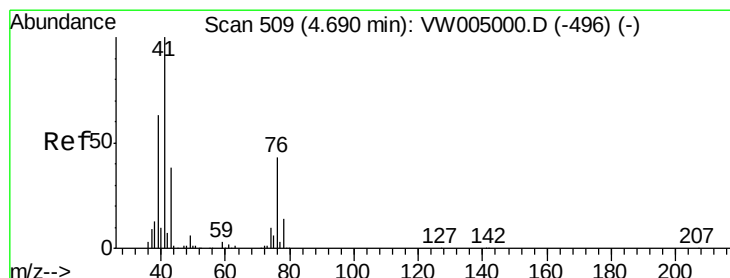
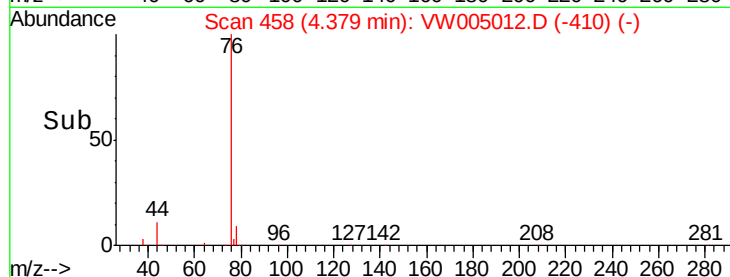
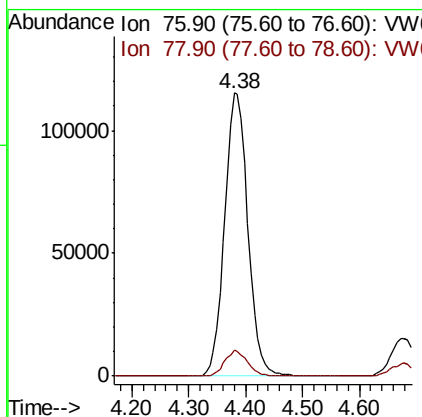
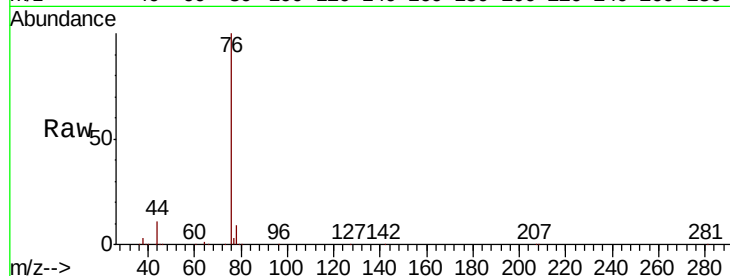
#17
Carbon Disulfide
Concen: 19.88 ug/l
RT: 4.38 min Scan# 458
Delta R.T. -0.01 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

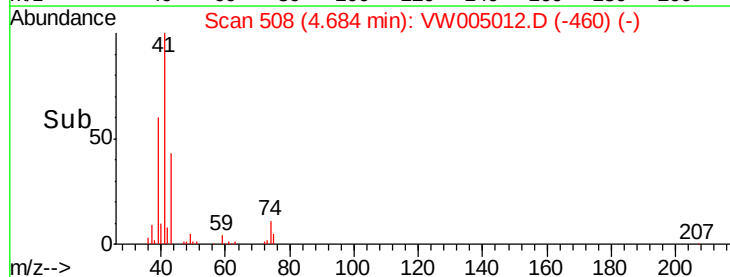
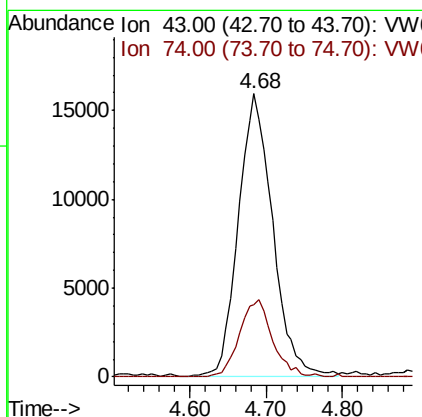
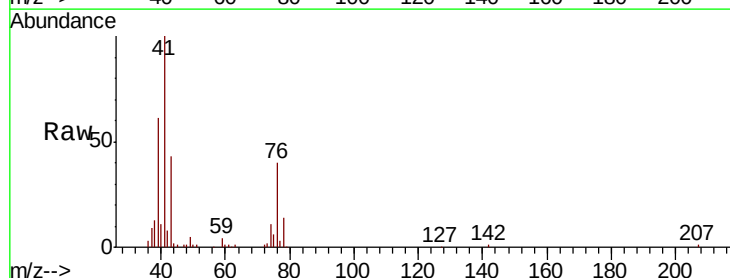
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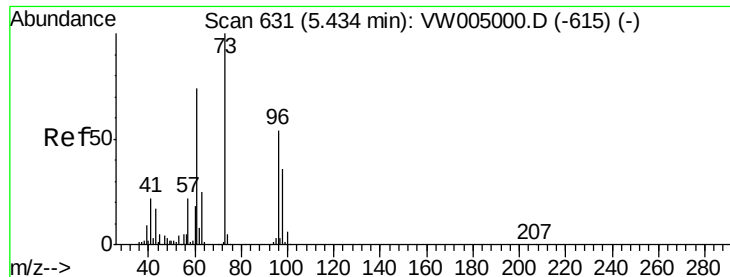
apatel
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#18
Methyl Acetate
Concen: 24.89 ug/l
RT: 4.68 min Scan# 508
Delta R.T. -0.01 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.3	30.5





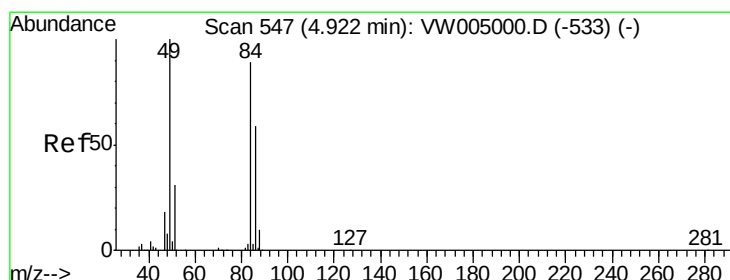
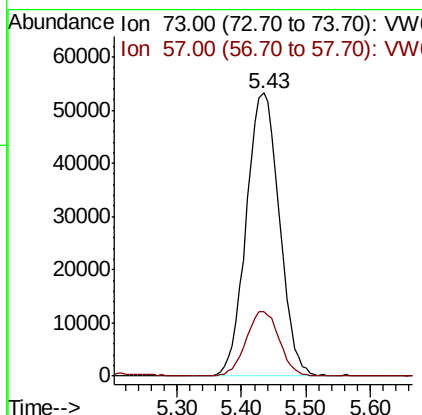
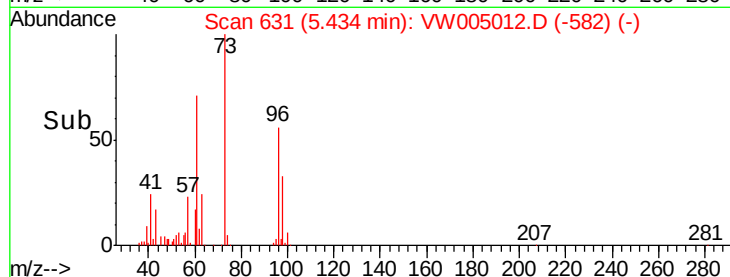
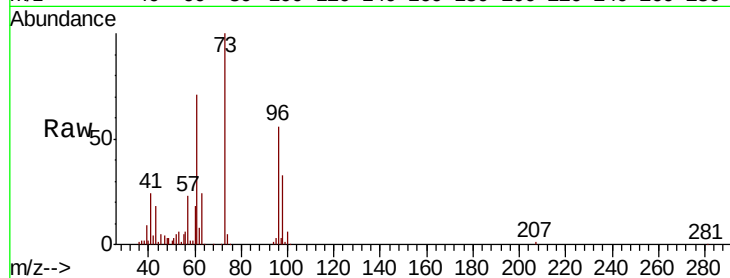
#19
Methyl tert-butyl Ether
Concen: 22.31 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.6	26.4

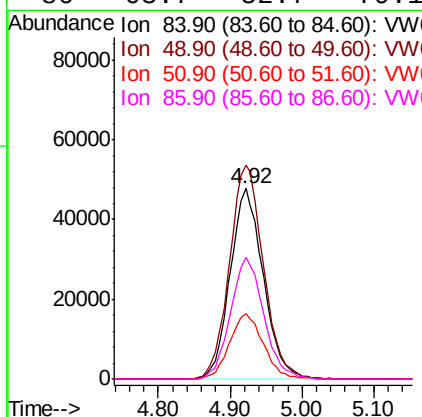
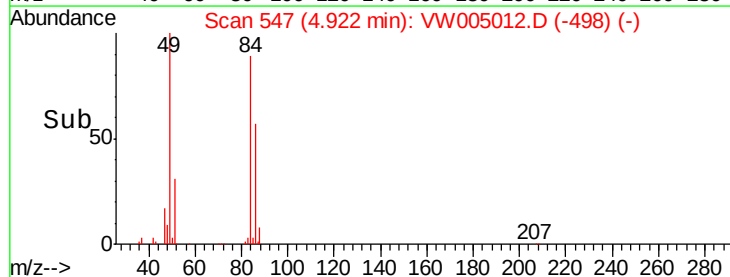
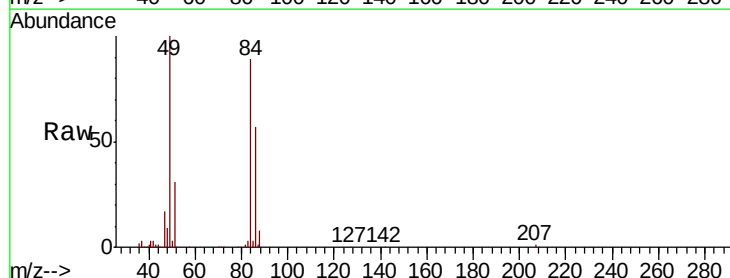
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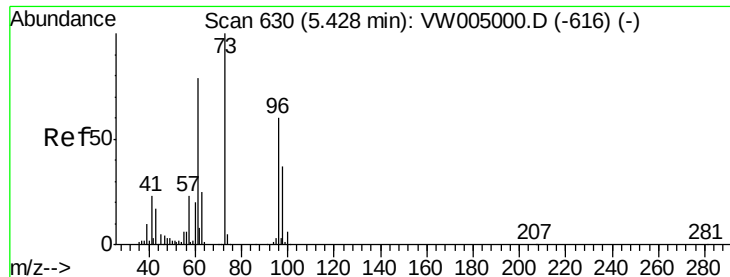
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#20
Methylene Chloride
Concen: 23.58 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.1	89.7	134.5
51	34.5	27.5	41.3
86	63.7	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 21.09 ug/l

RT: 5.43 min Scan# 630

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

ClientSampled :

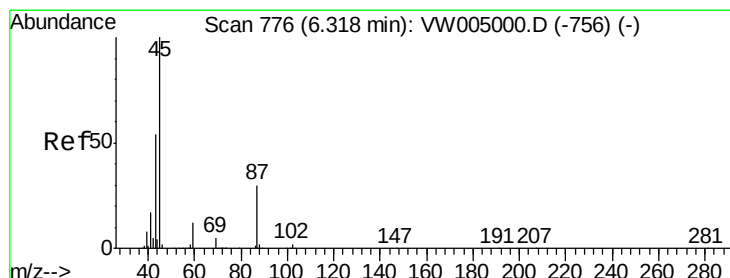
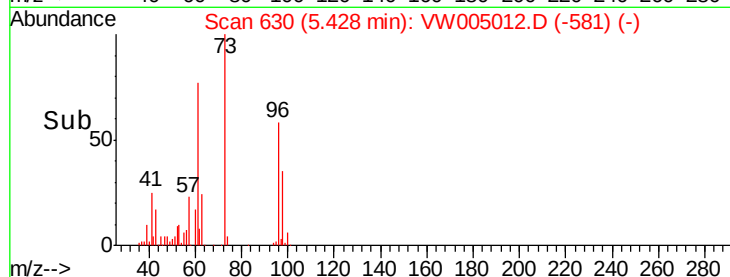
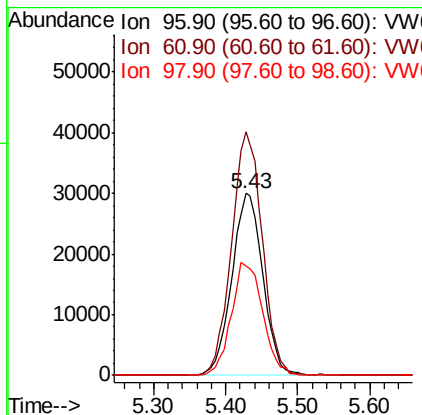
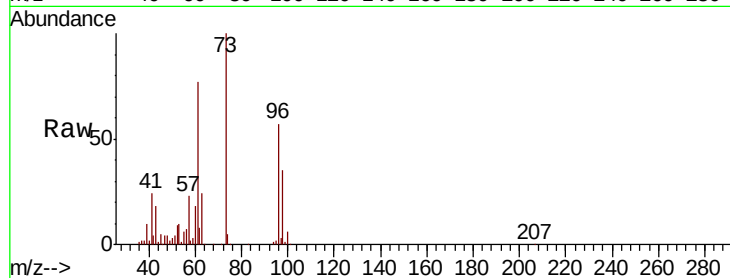
VW0830SBS01

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Tot Ion:	96	Resp:	89817
Ion	Ratio	Lower	Upper
96	100		
61	133.7	106.2	159.2
98	60.2	49.5	74.3



#22

Diisopropyl ether

Concen: 22.09 ug/l

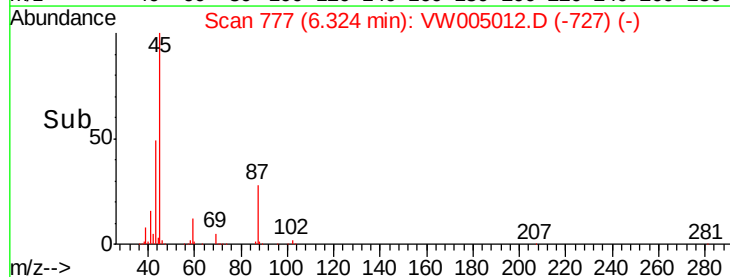
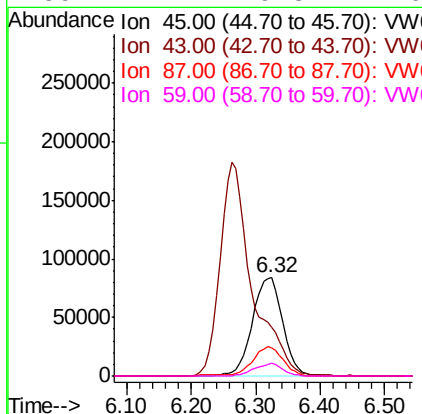
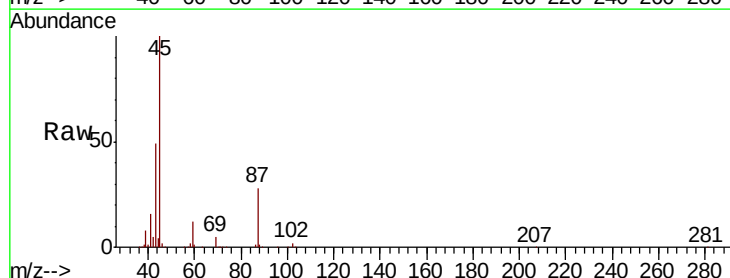
RT: 6.32 min Scan# 777

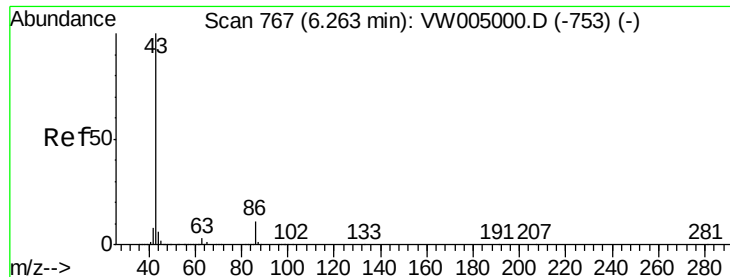
Delta R.T. 0.01 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Tgt Ion:	45	Resp:	272298
Ion	Ratio	Lower	Upper
45	100		
43	49.2	43.5	65.3
87	28.3	23.8	35.8
59	12.4	9.8	14.6





#23

Vinyl Acetate

Concen: 100.74 ug/l

RT: 6.26 min Scan# 767

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

ClientSampled :

VW0830SBS01

Tot Ion: 43 Resp: 634981

Ion Ratio Lower Upper

43 100

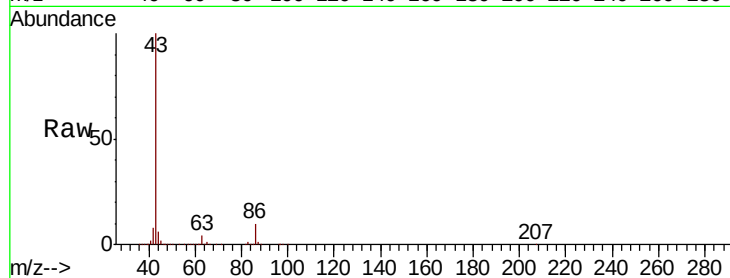
86 10.5 9.0 13.6

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

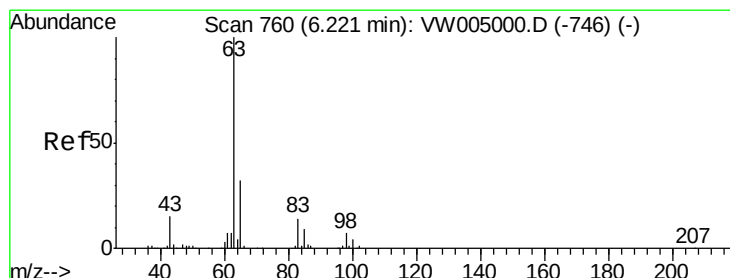
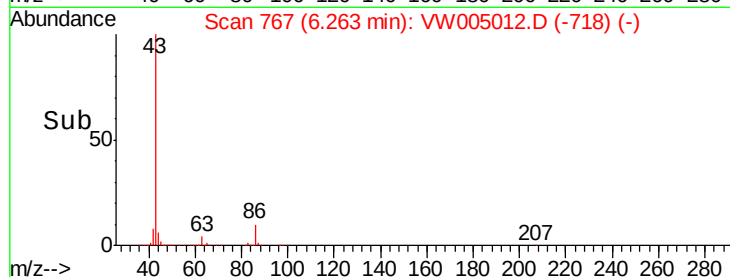
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.07 ug/l

RT: 6.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

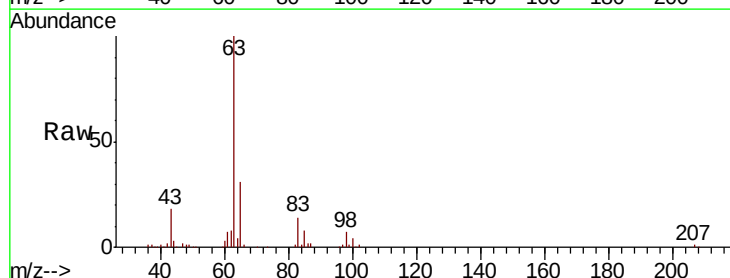
Tgt Ion: 63 Resp: 157132

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

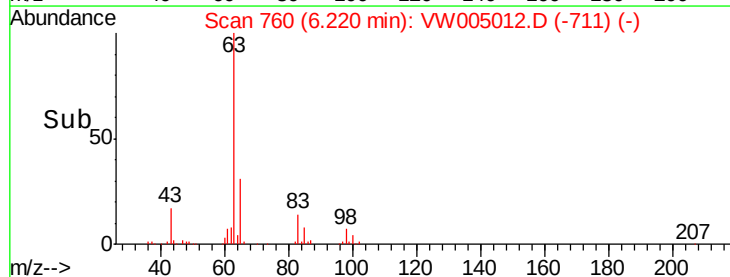
60000

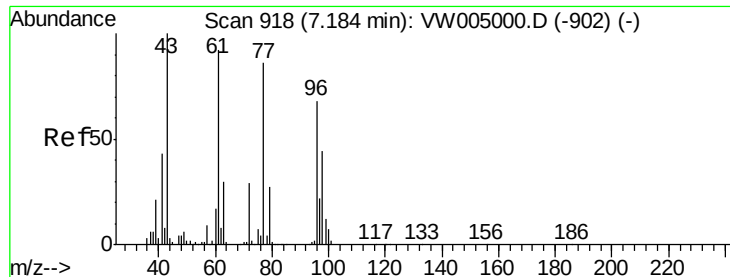
40000

20000

0

Time-->





#25

2-Butanone

Concen: 104.52 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

ClientSampled :

VW0830SBS01

Tot Ion: 43 Resp: 135045

Ion Ratio Lower Upper

43 100

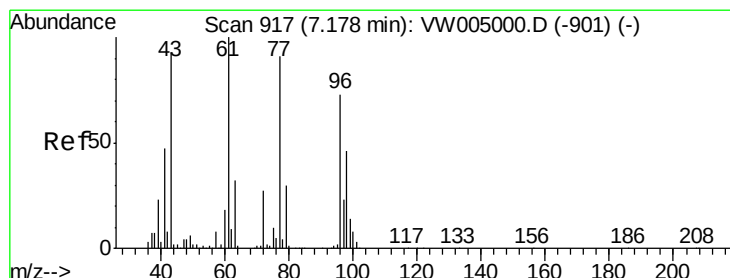
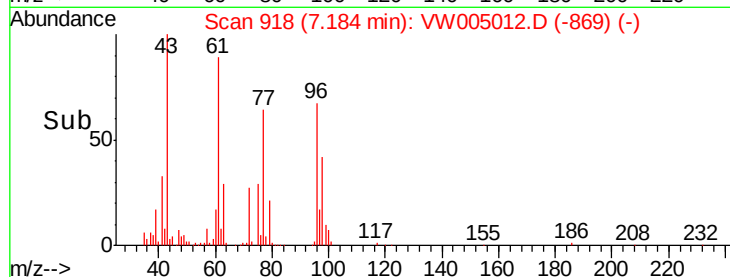
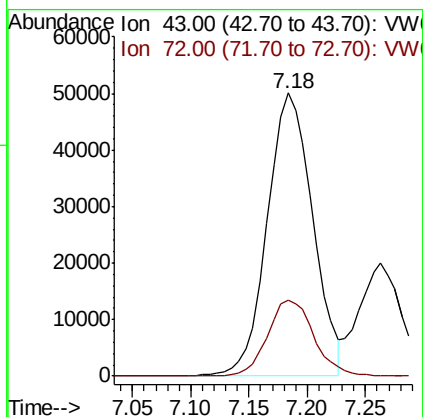
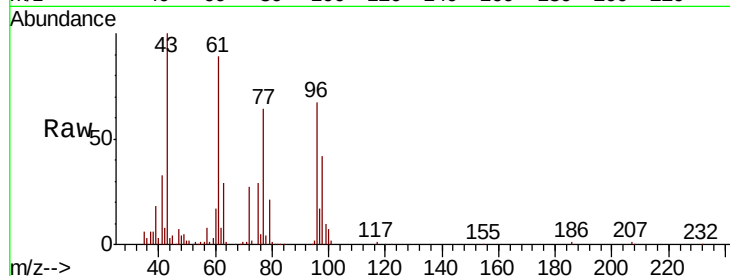
72 26.7 23.4 35.2

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#26

2,2-Dichloropropane

Concen: 17.01 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005012.D

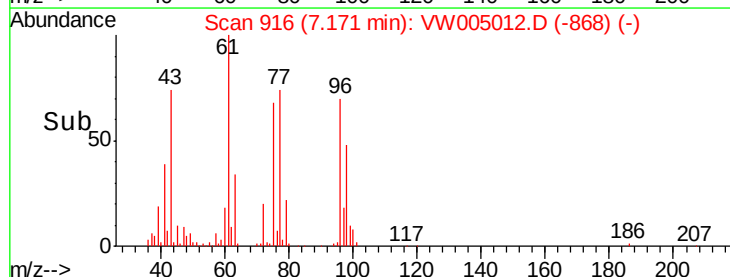
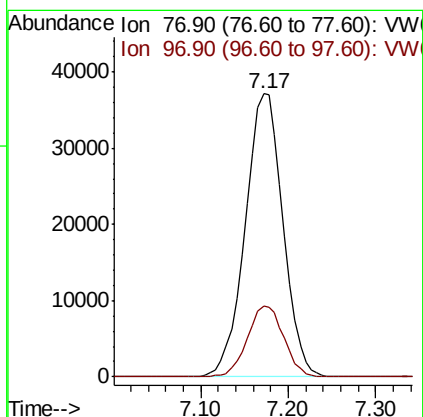
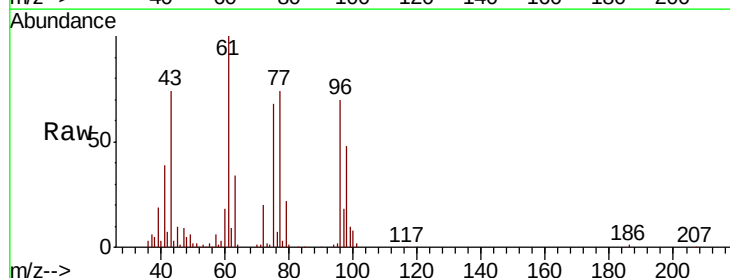
Acq: 30 Aug 2018 12:35

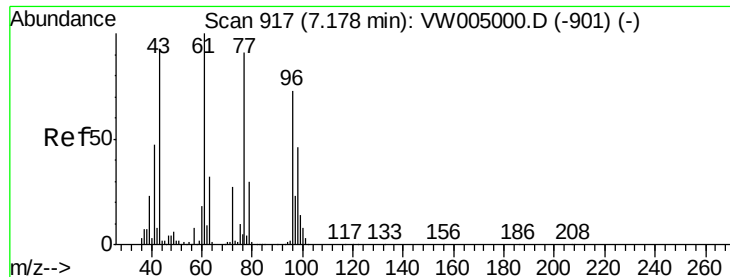
Tgt Ion: 77 Resp: 111377

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.4





#27

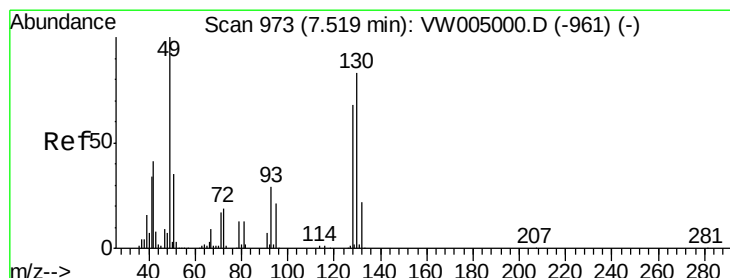
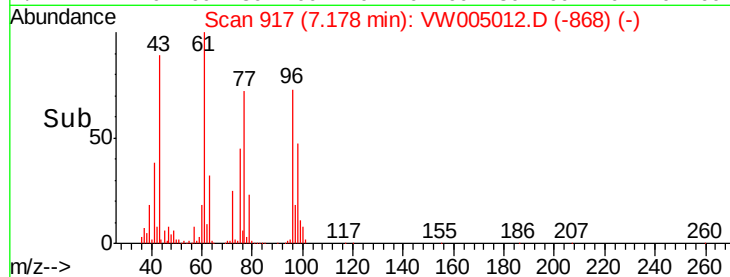
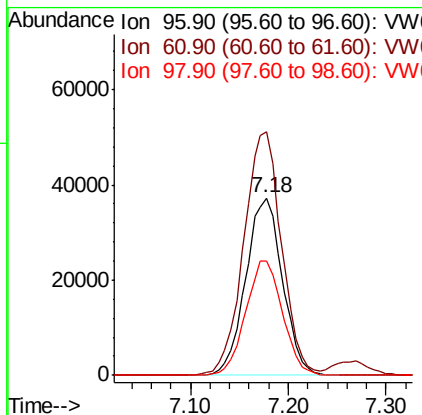
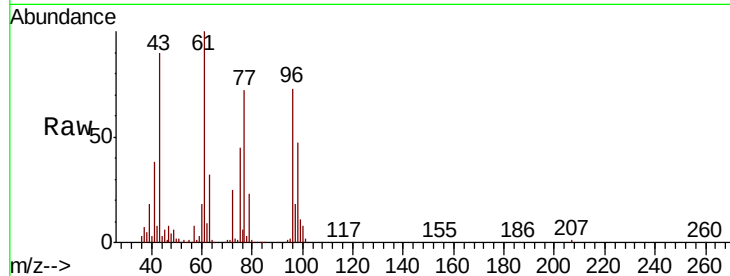
cis-1,2-Dichloroethene
Concen: 20.97 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	281.6
98	64.5	0.0	129.0

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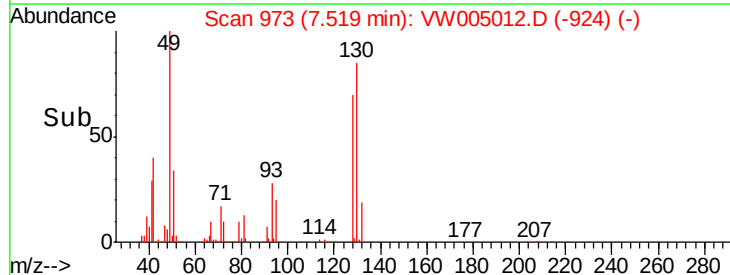
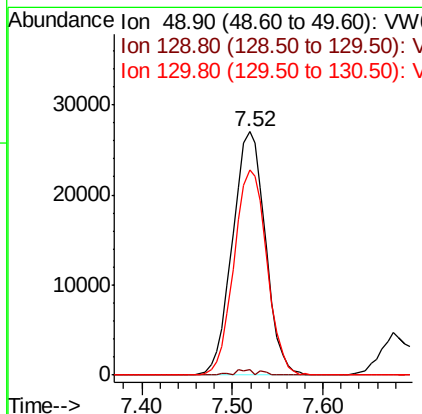
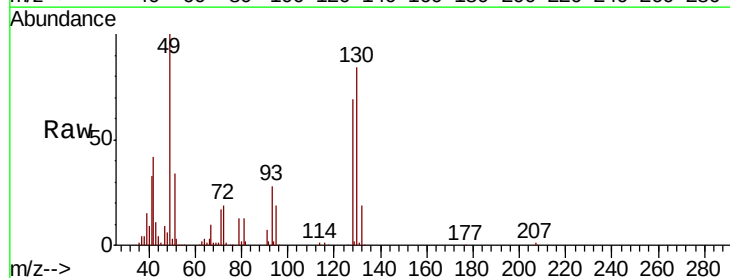
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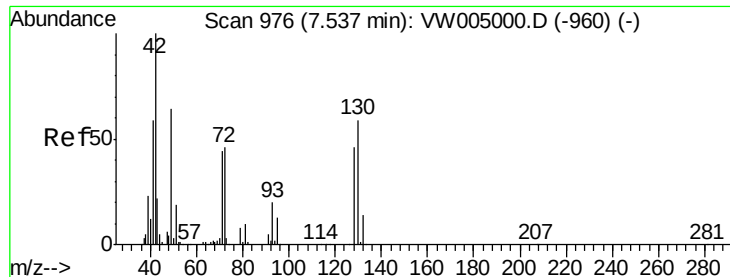


#28

Bromochloromethane
Concen: 20.70 ug/l
RT: 7.52 min Scan# 973
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.2
130	84.2	68.2	102.2





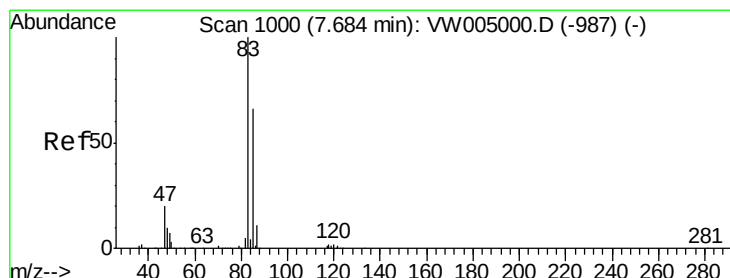
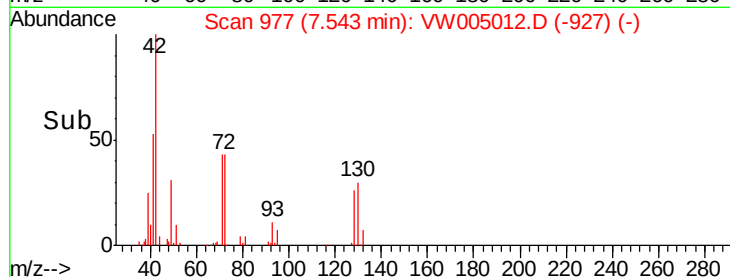
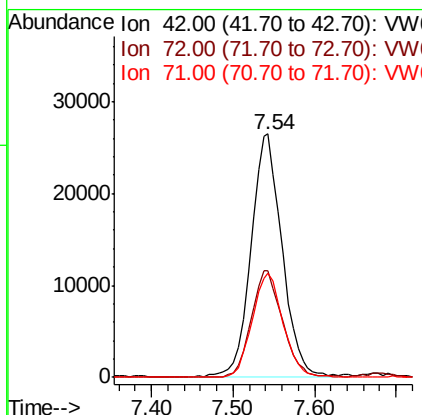
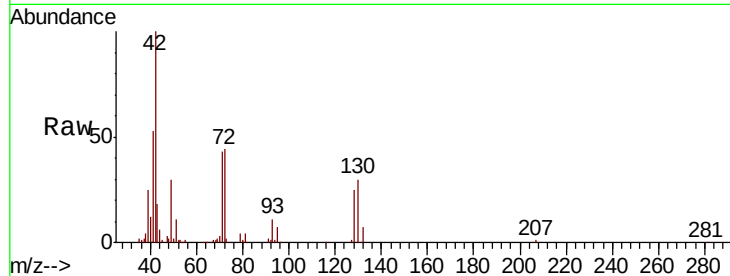
#29
Tetrahydrofuran
Concen: 108.09 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	36.6	55.0
71	42.4	35.4	53.2

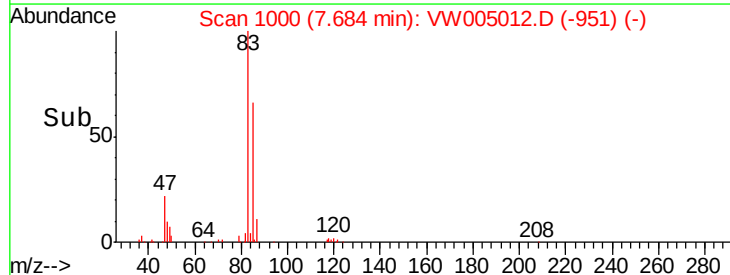
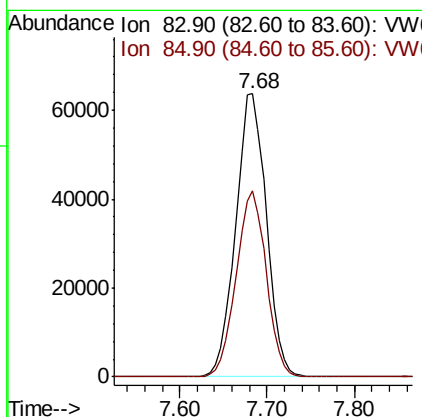
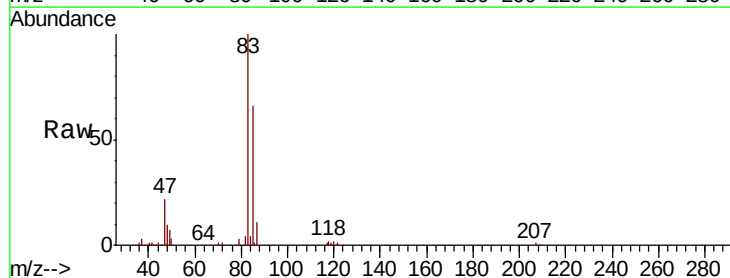
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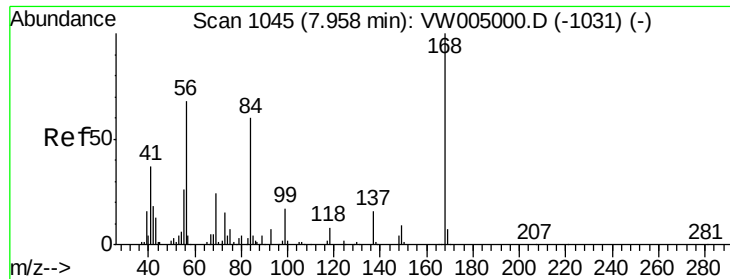
apatel
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#30
Chloroform
Concen: 21.15 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8





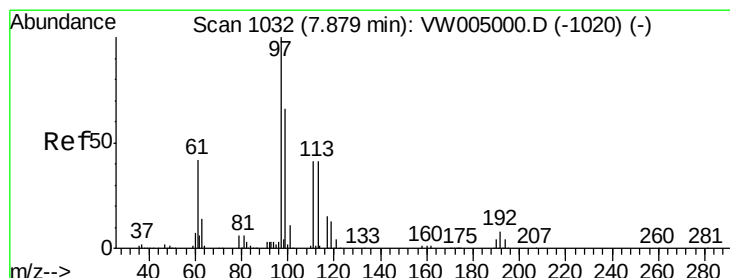
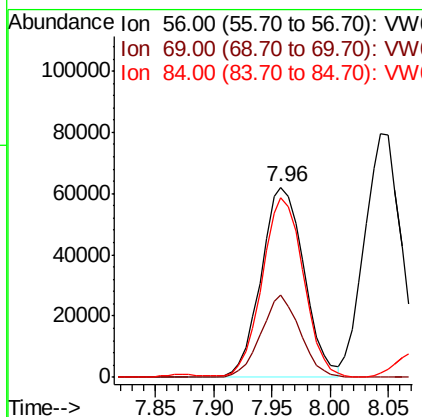
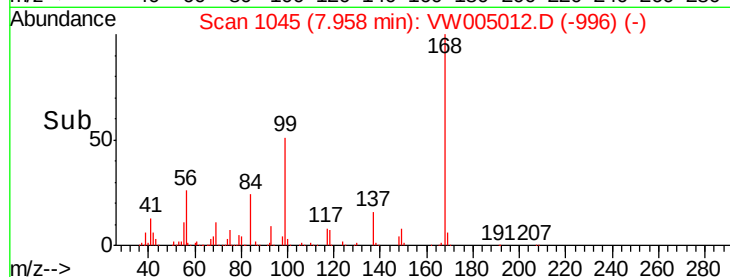
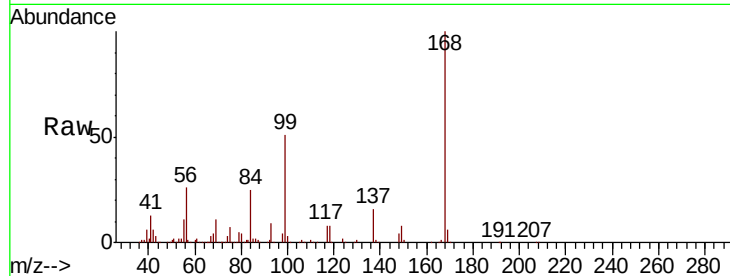
#31
Cyclohexane
Concen: 20.03 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampled :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.6	27.9	41.9#
84	93.3	70.5	105.7

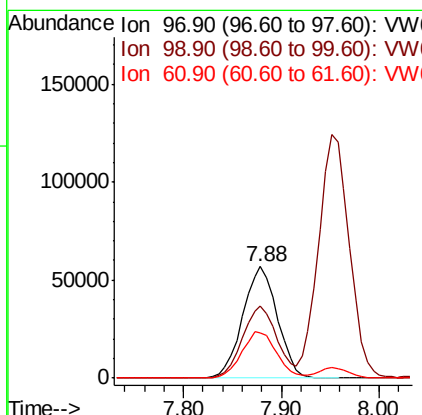
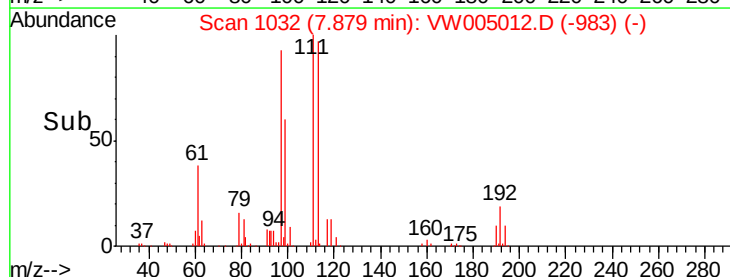
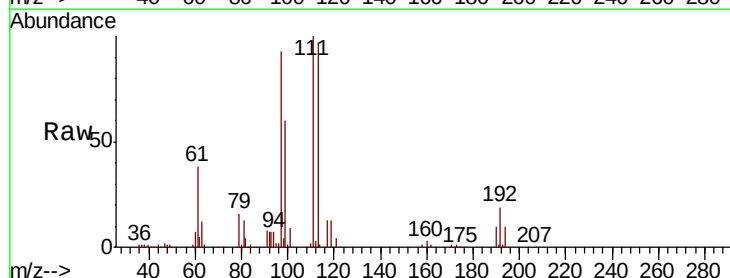
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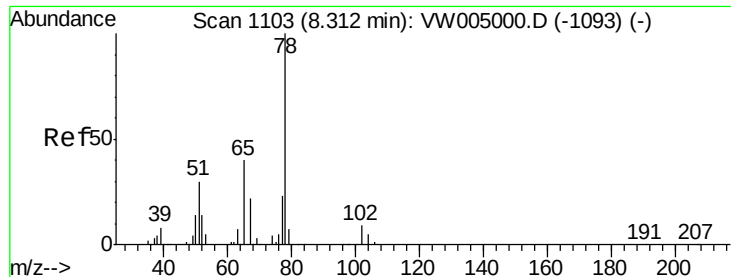
apatel
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#32
1,1,1-Trichloroethane
Concen: 20.66 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	42.0	33.2	49.8





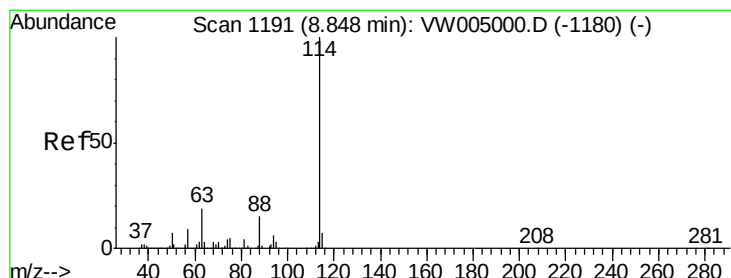
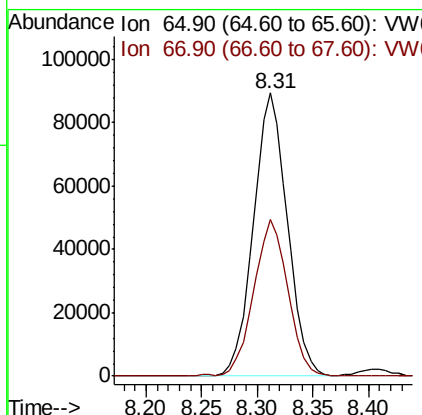
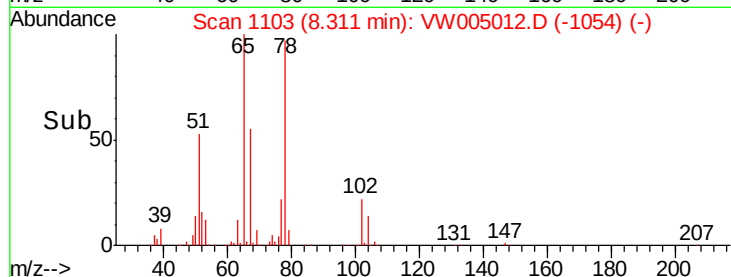
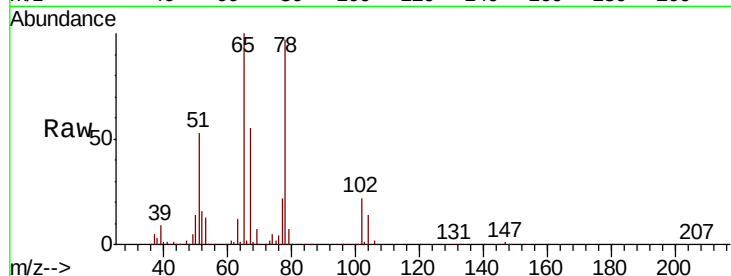
#33
 1,2-Dichloroethane-d4
 Concen: 51.62 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	189658		
67	55.5	0.0	112.8	

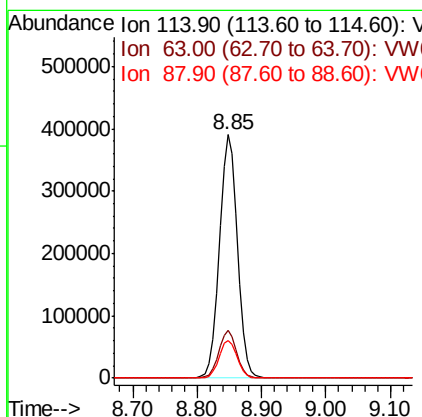
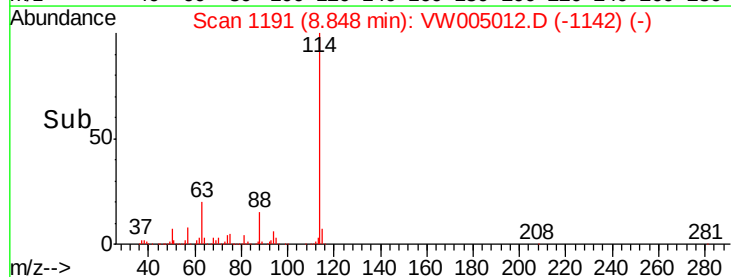
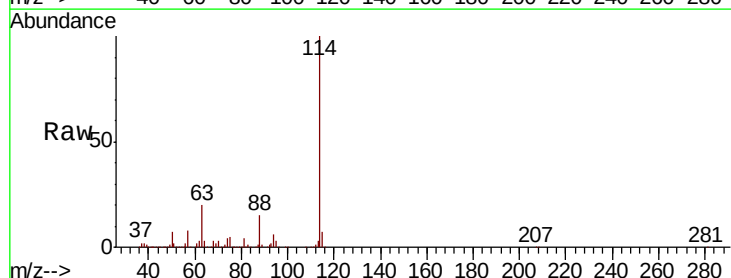
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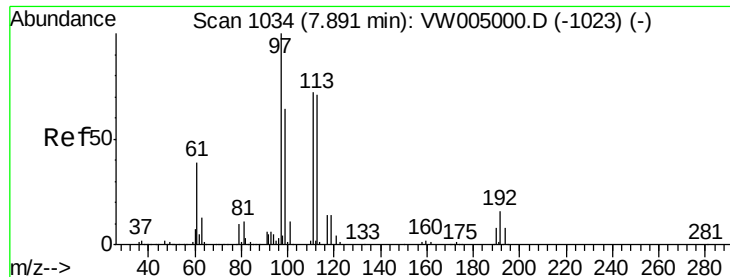
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	772824		
63	19.7	0.0	38.4	
88	15.3	0.0	30.6	





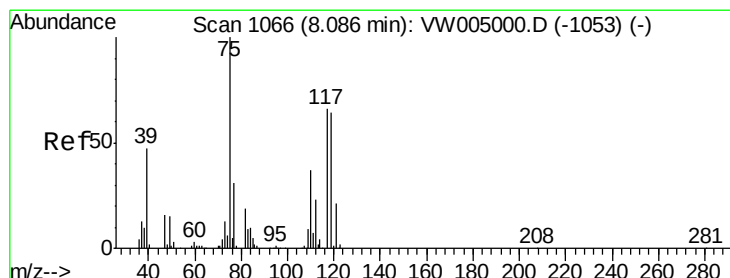
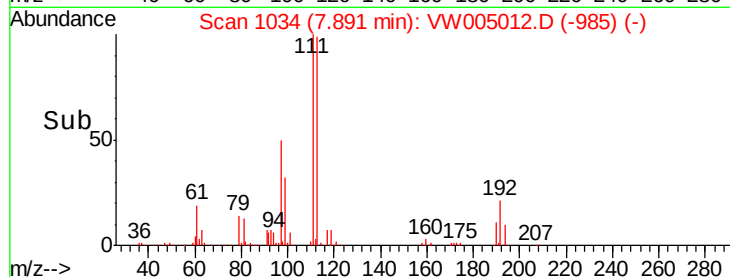
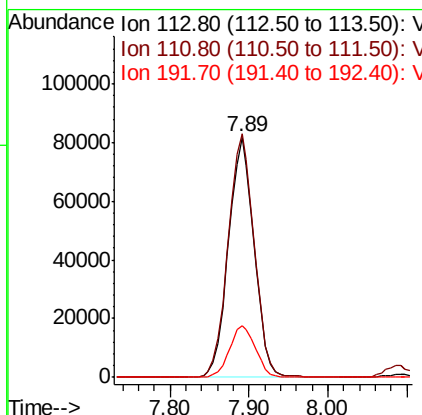
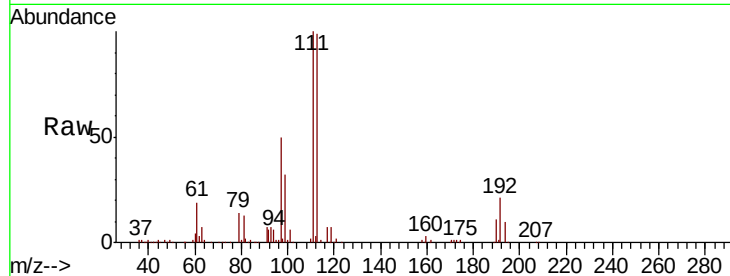
#35
 Dibromofluoromethane
 Concen: 48.33 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Instrument :
 MSVOA_W
 ClientSampled :
 VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185084		
111	103.2	81.3	121.9	
192	21.7	17.8	26.8	

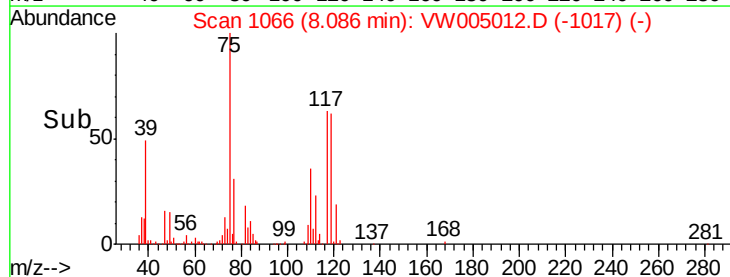
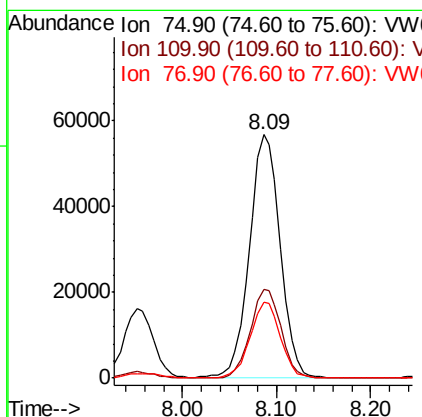
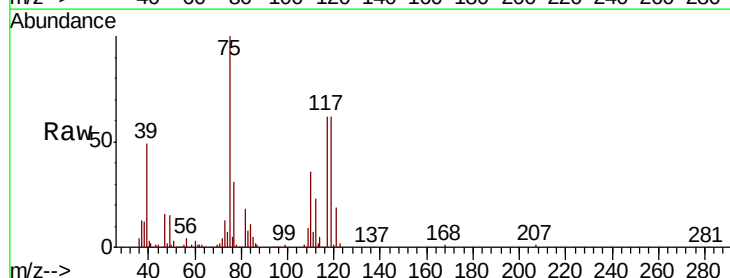
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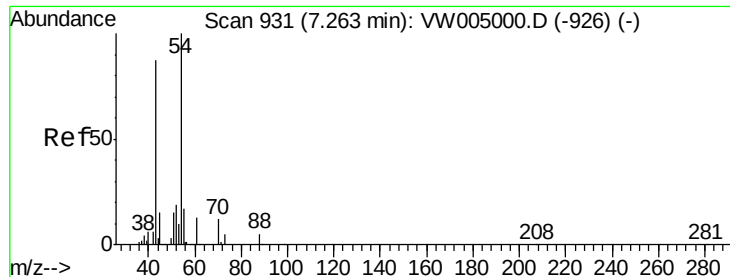
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#36
 1,1-Dichloropropene
 Concen: 19.81 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129706		
110	36.2	18.7	56.1	
77	31.2	24.9	37.3	





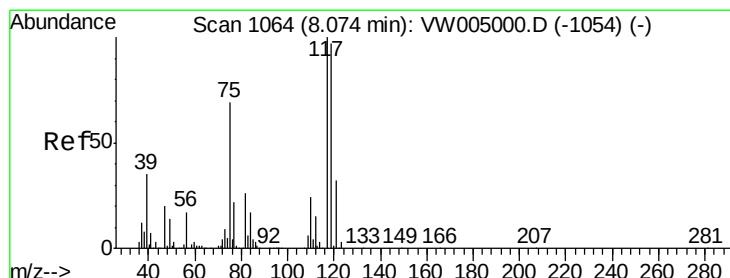
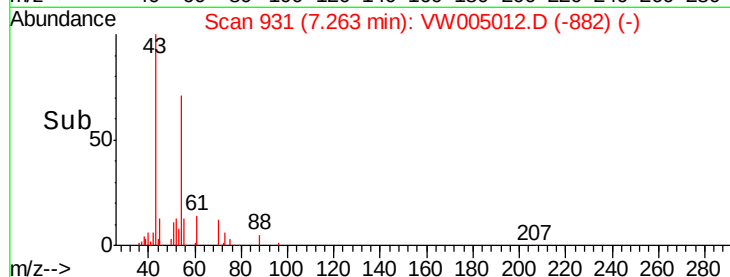
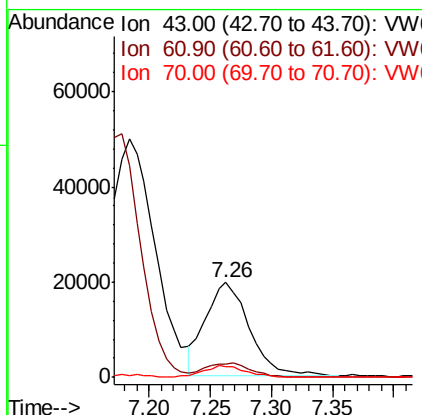
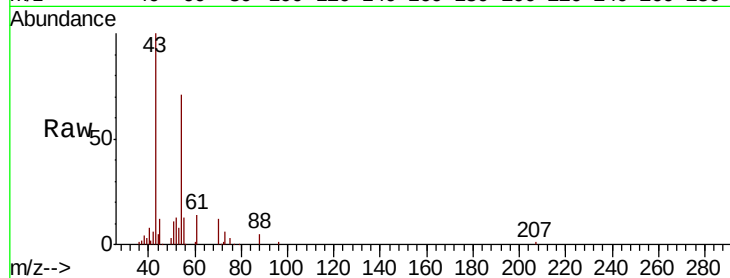
#37
Ethyl Acetate
Concen: 20.69 ug/l
RT: 7.26 min Scan# 931
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.3	18.5
70	12.3	9.7	14.5

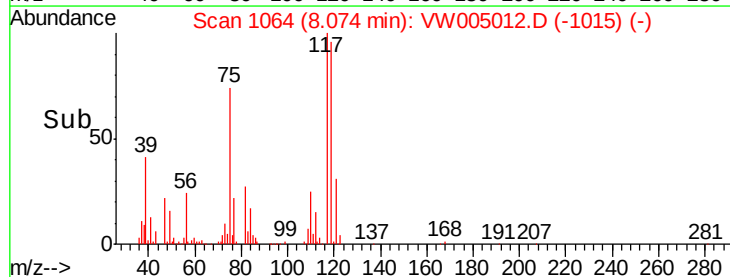
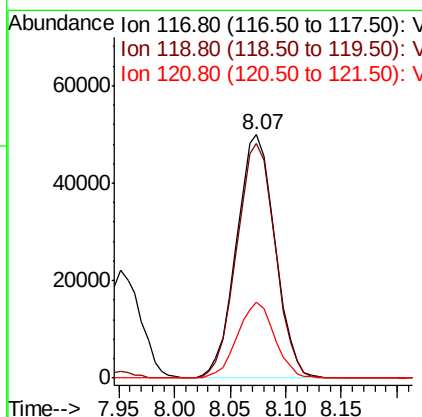
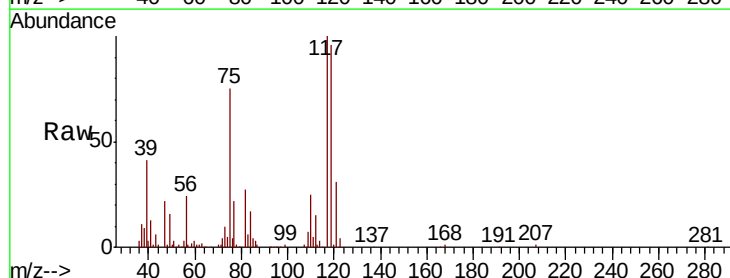
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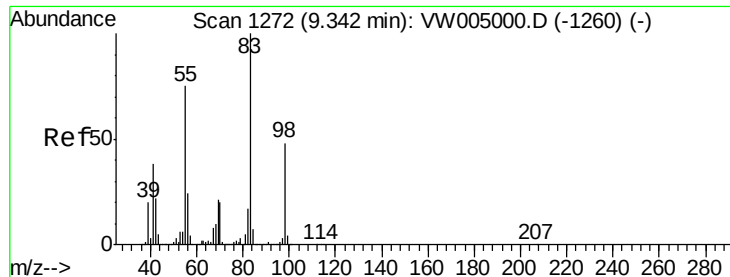
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#38
Carbon Tetrachloride
Concen: 19.01 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.8	116.8
121	31.0	25.2	37.8





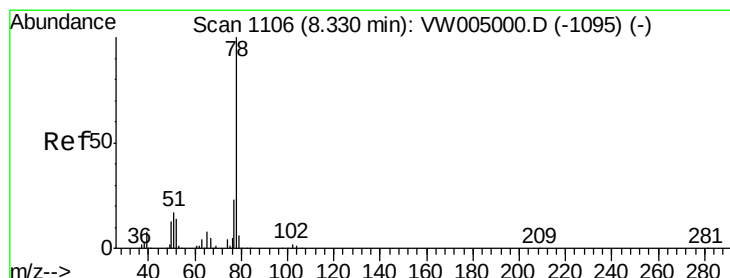
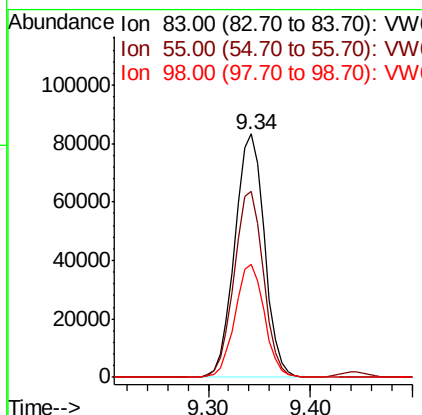
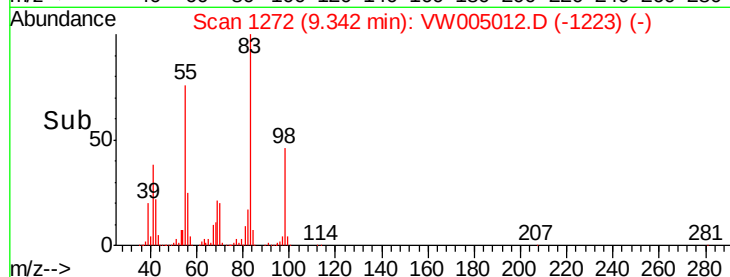
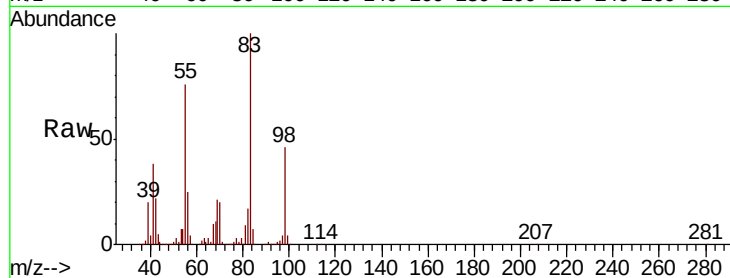
#39
Methylvlcyclohexane
Concen: 18.58 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	83	Resp	167761
Ion Ratio	Lower	Upper	
83	100		
55	76.3	60.2	90.2
98	46.4	38.6	57.8

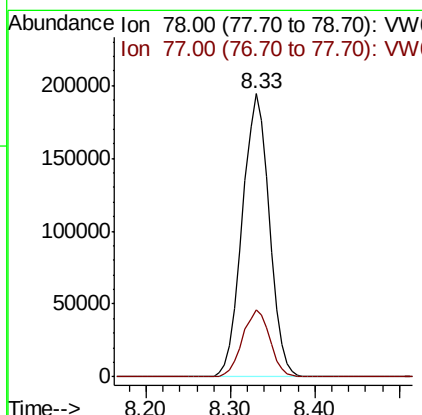
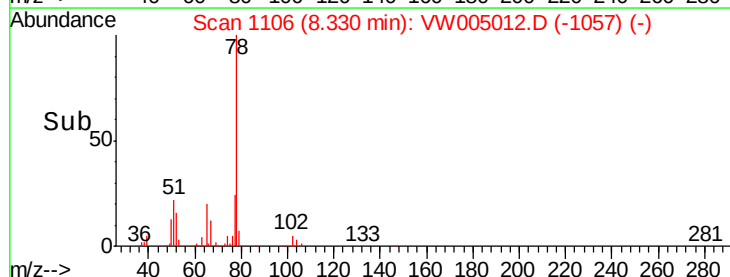
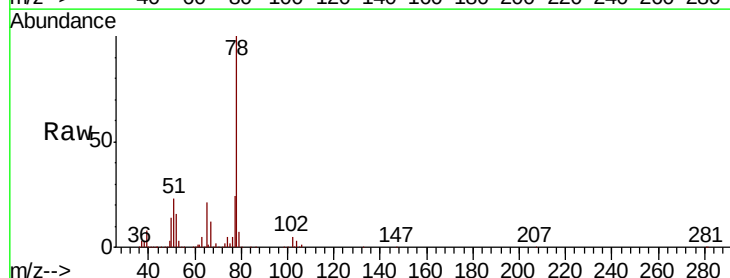
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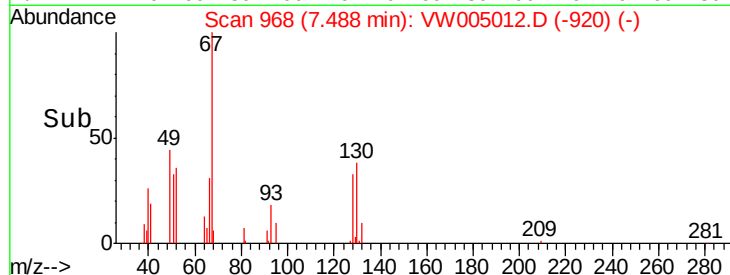
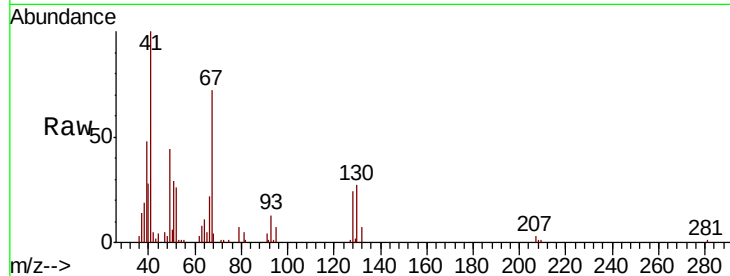
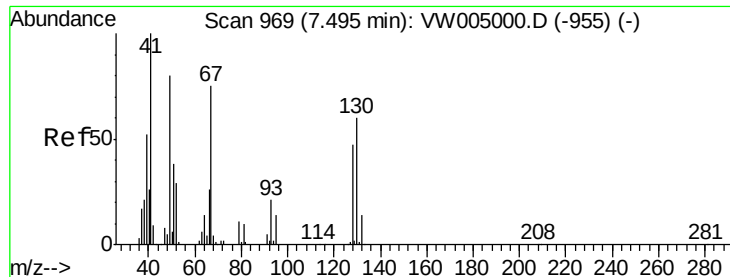
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#40
Benzene
Concen: 20.11 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	78	Resp	421589
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.6	28.0





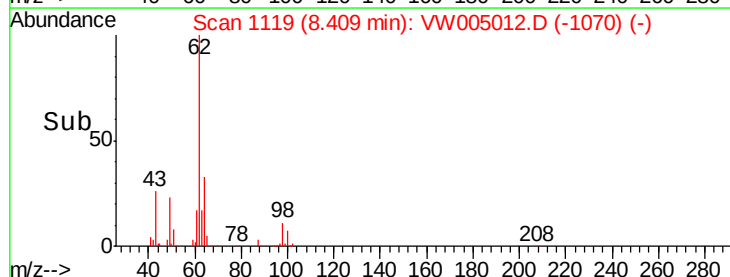
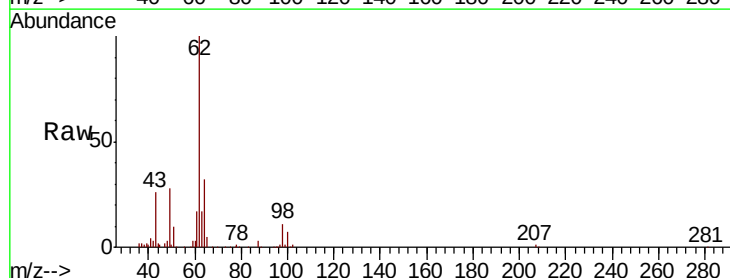
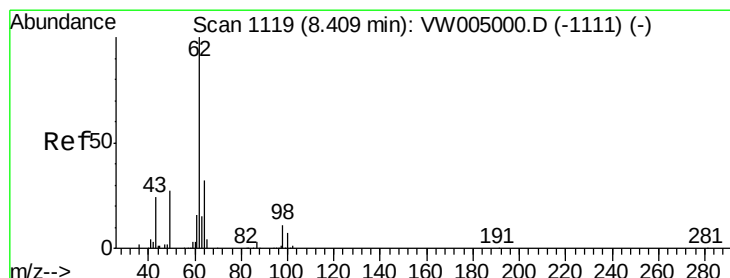
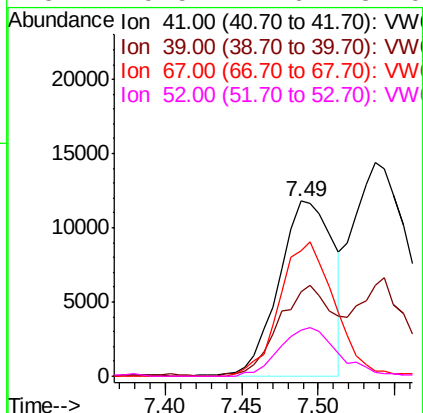
#41
Methacrylonitrile
Concen: 21.33 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tot Ion	41	Resp	29335
Ion Ratio	Lower	Upper	
41	100		
39	55.4	42.0	63.0
67	78.0	63.4	95.2
52	29.5	24.6	37.0

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

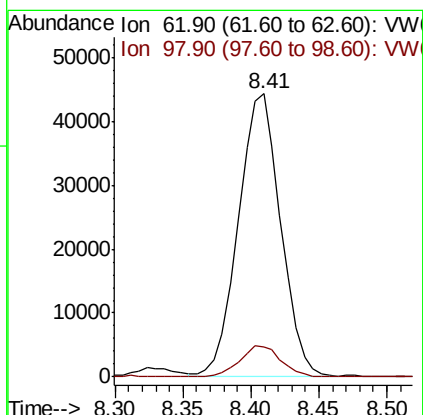
Manual Integrations
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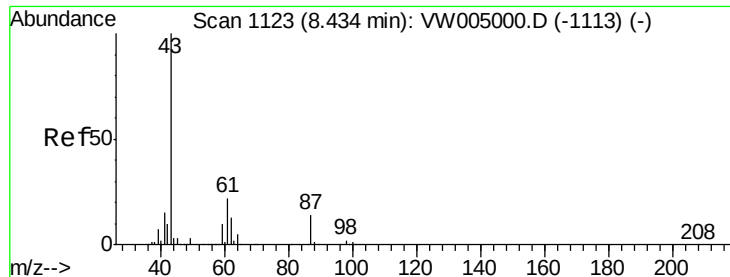
apatel
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#42
1,2-Dichloroethane
Concen: 20.52 ug/l
RT: 8.41 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	62	Resp	95709
Ion Ratio	Lower	Upper	
62	100		
98	10.7	0.0	20.8





#43

Isopropyl Acetate

Concen: 20.13 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

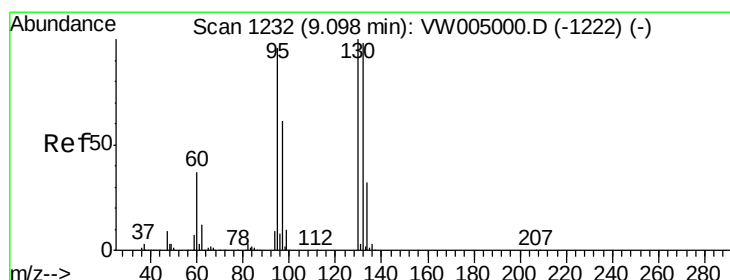
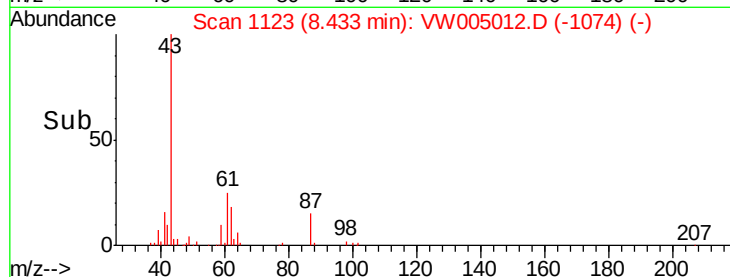
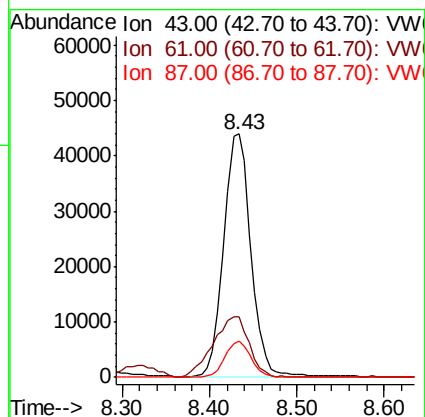
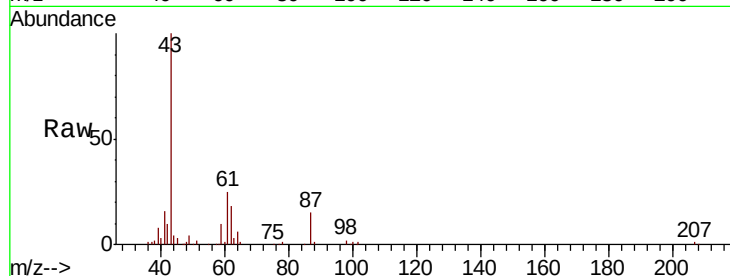
ClientSampleId :

VW0830SBS01

Tot Ion:	43	Resp:	94530
Ion	Ratio	Lower	Upper
43	100		
61	33.3	26.2	39.4
87	14.3	11.8	17.6

Manual Integrations
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#44

Trichloroethene

Concen: 19.72 ug/l

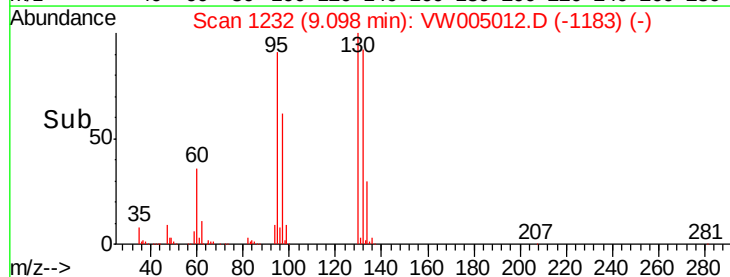
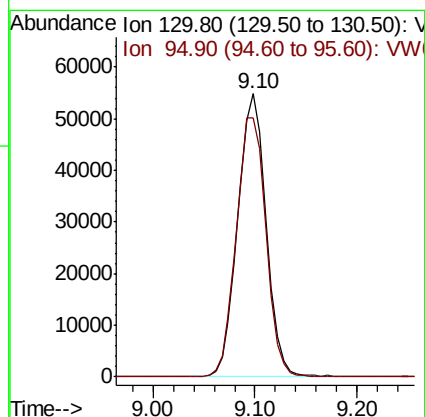
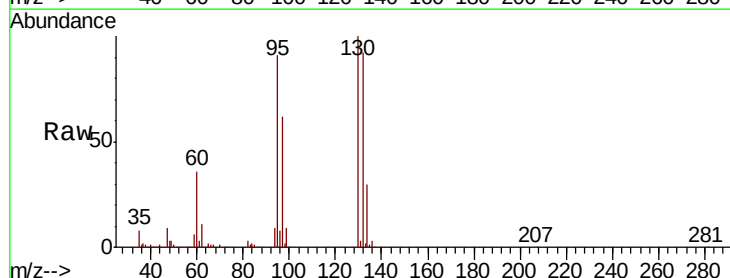
RT: 9.10 min Scan# 1232

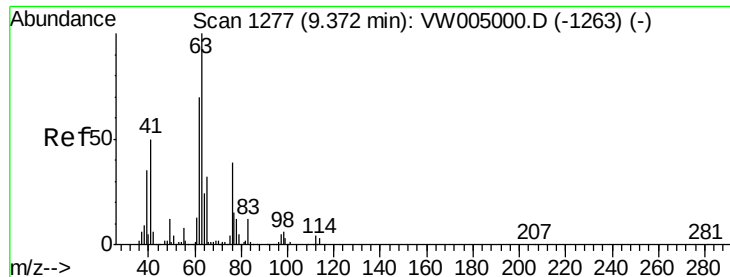
Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Tgt Ion:	130	Resp:	105559
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	192.2





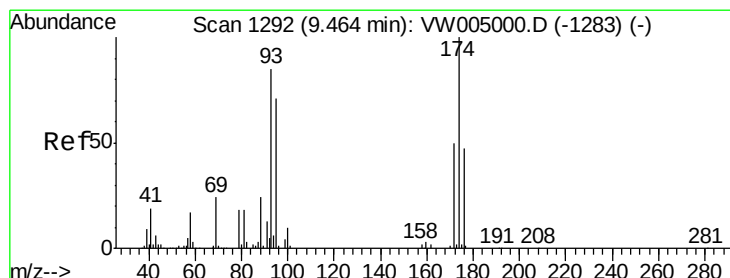
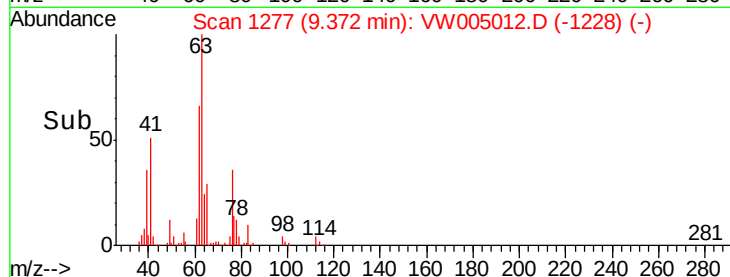
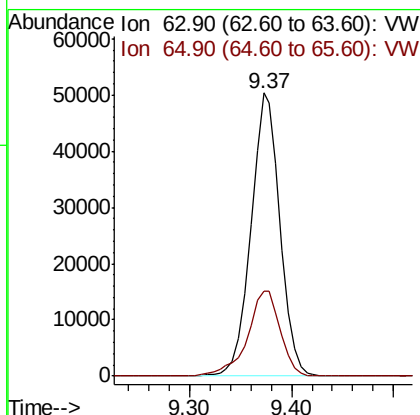
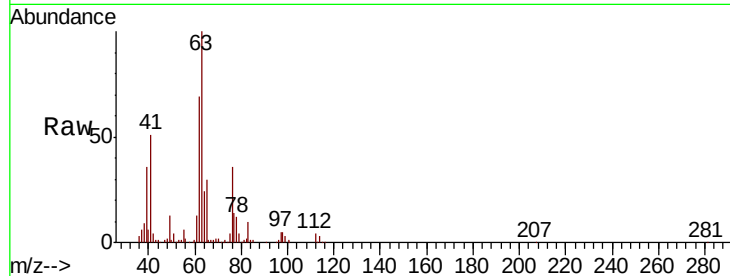
#45
 1,2-Dichloropropane
 Concen: 20.75 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Instrument :
 MSVOA_W
 ClientSampled :
 VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	30.2	25.3	37.9	

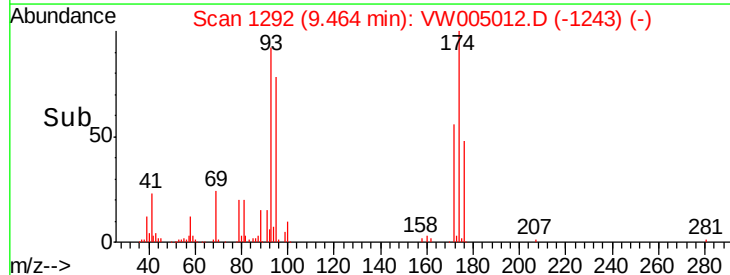
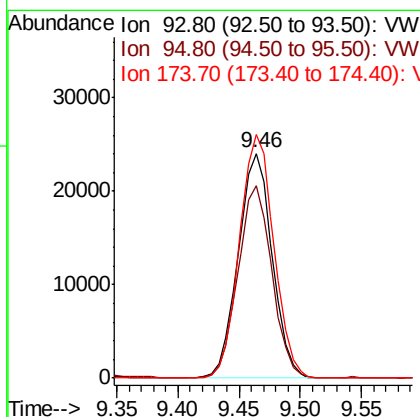
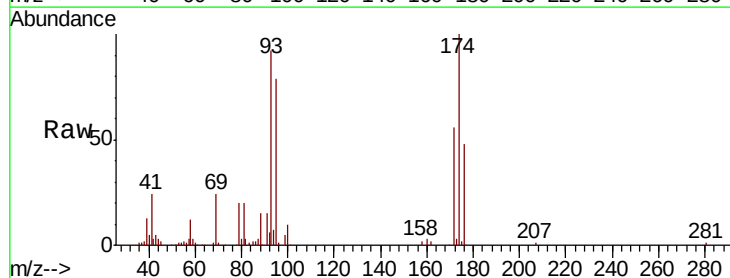
Manual Integrations
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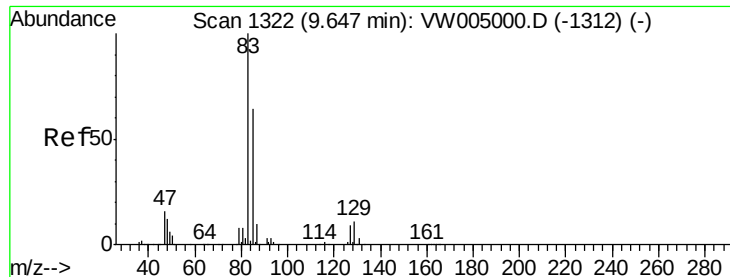
apatel
 8/31/2018 11:39:13 AM



#46
 Dibromomethane
 Concen: 20.37 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	85.6	68.0	102.0	
174	109.9	91.4	137.0	





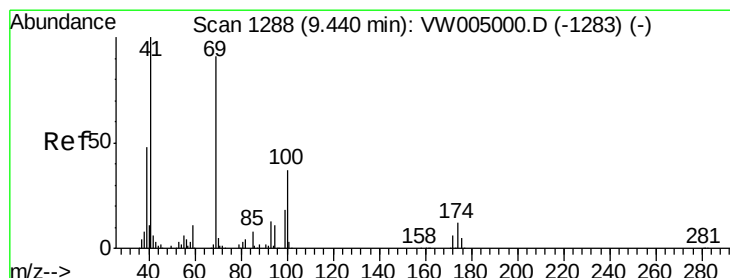
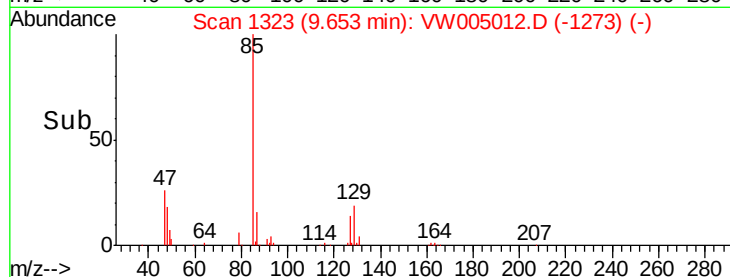
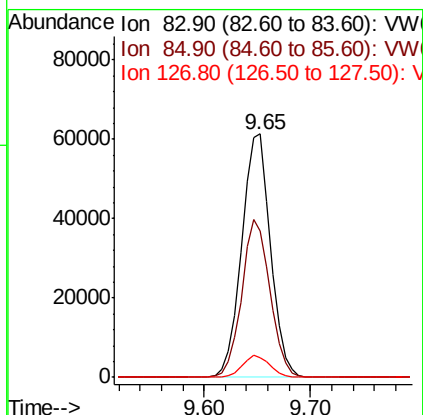
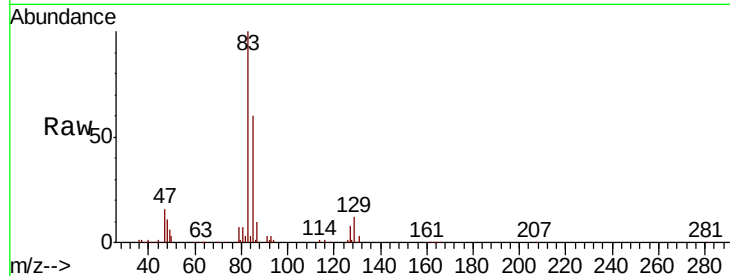
#47
Bromodichloromethane
Concen: 20.82 ug/l
RT: 9.65 min Scan# 1323
Delta R.T. 0.01 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	116745		
85	60.0		51.3	76.9
127	8.2		7.2	10.8

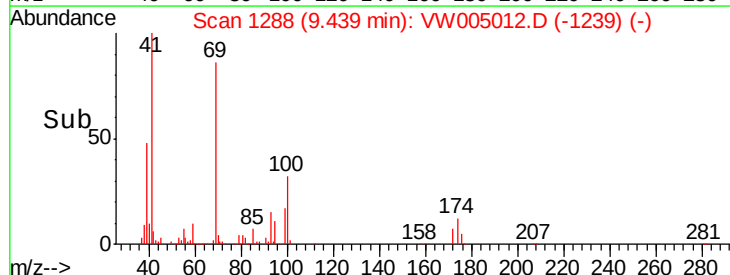
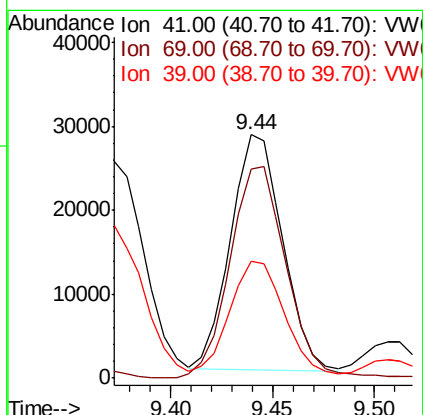
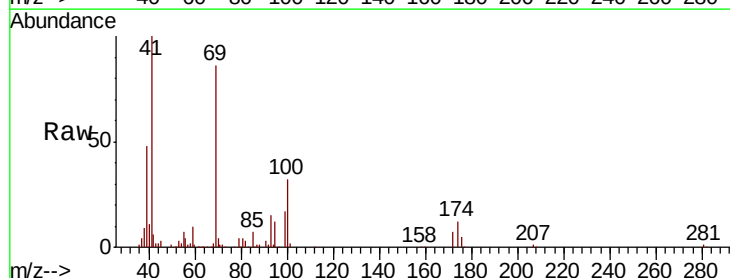
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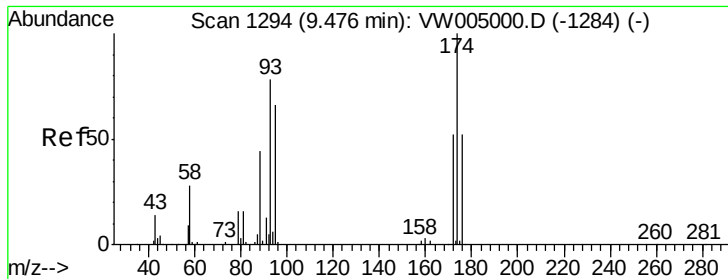
apatel
8/31/2018 11:39:13 AM



#48
Methyl methacrylate
Concen: 19.70 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	49833		
69	98.0		72.5	108.7
39	48.7		37.0	55.6





#49

1,4-Dioxane

Concen: 393.89 ug/l

RT: 9.49 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

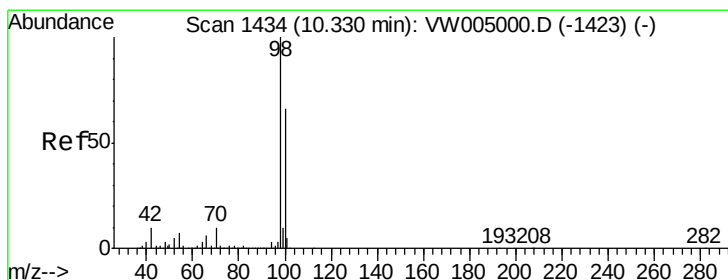
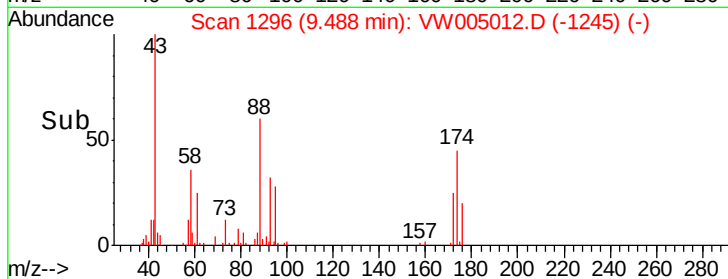
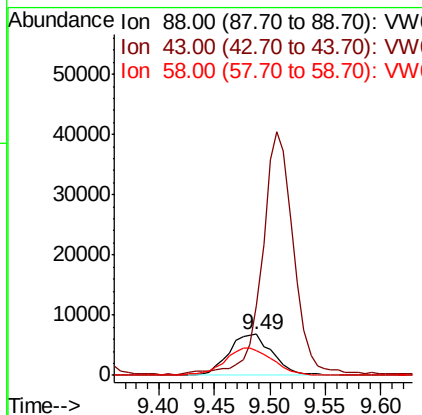
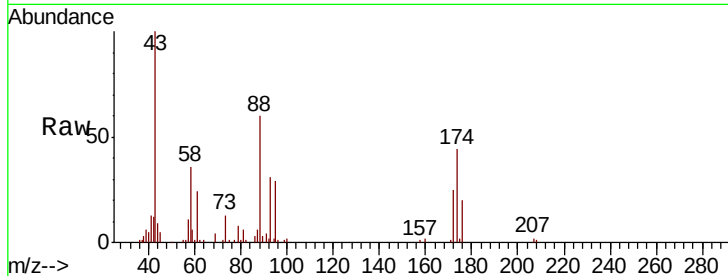
ClientSampled :

VW0830SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	73.5	57.0	85.4

Manual Integrations
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#50

Toluene-d8

Concen: 51.47 ug/l

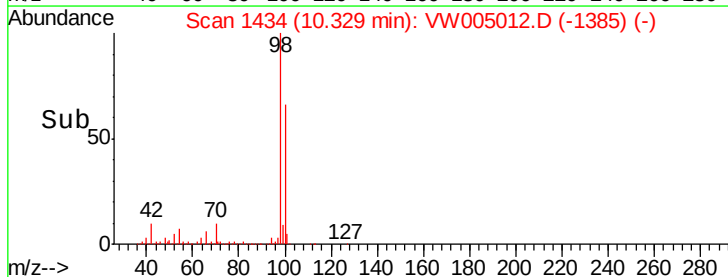
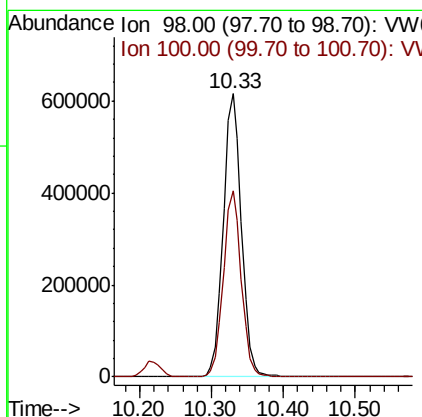
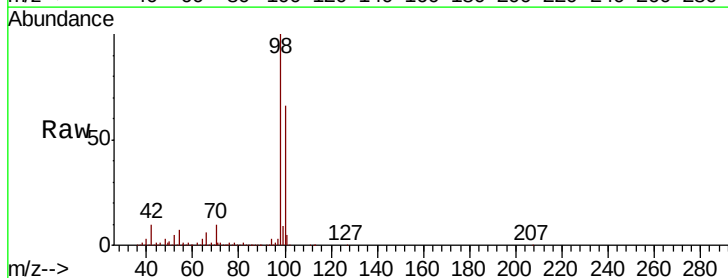
RT: 10.33 min Scan# 1434

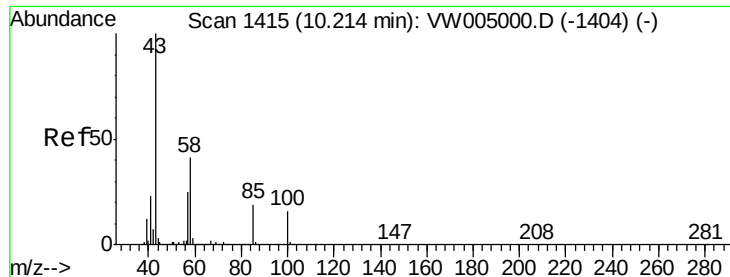
Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





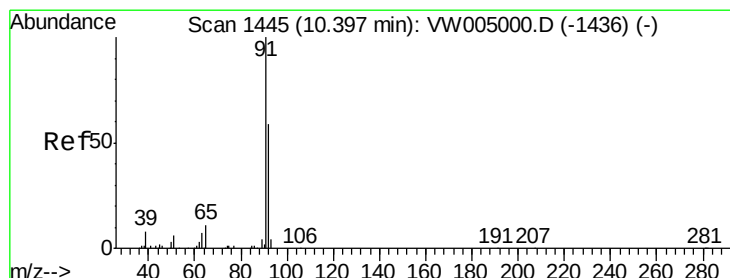
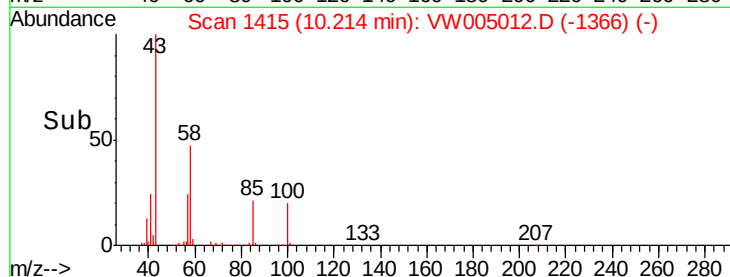
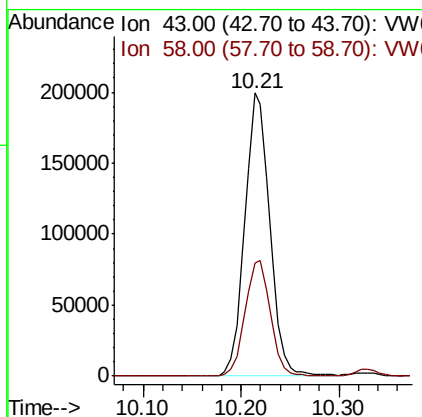
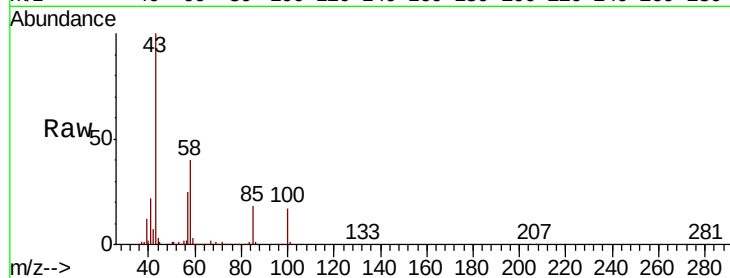
#51
 4-Methyl-2-Pentanone
 Concen: 100.11 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Instrument :
 MSVOA_W
 ClientSampled :
 VW0830SBS01

Tot Ion	43	Resp	352127
Ion Ratio	Lower	Upper	
43	100		
58	41.7	33.5	50.3

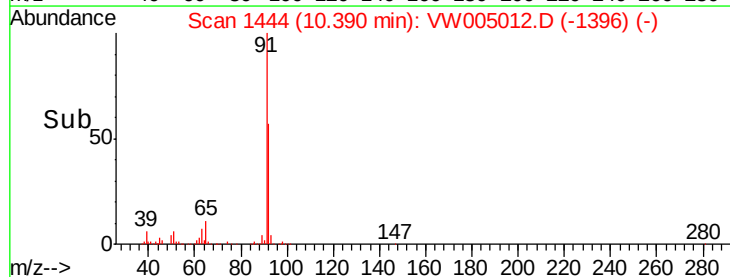
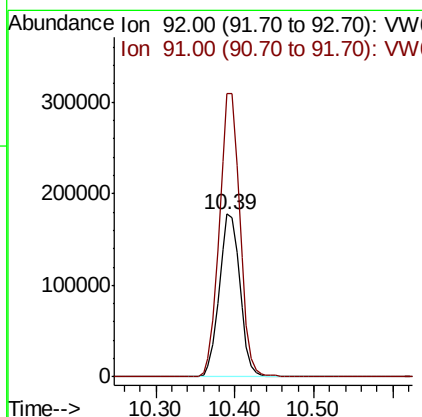
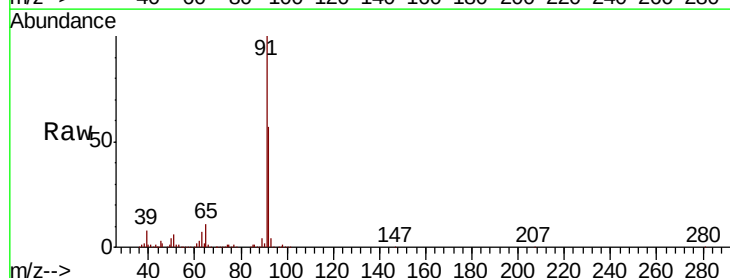
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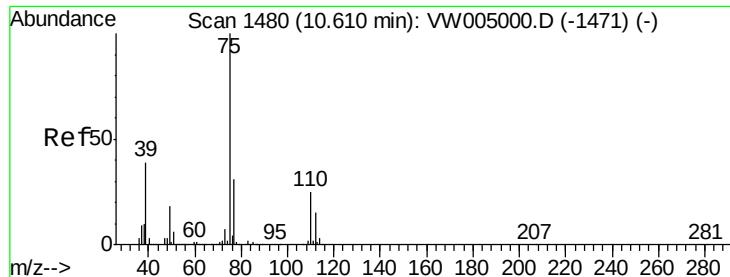
apatel
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#52
 Toluene
 Concen: 20.91 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Tgt Ion	92	Resp	325091
Ion Ratio	Lower	Upper	
92	100		
91	173.1	137.4	206.2





#53

t-1,3-Dichloropropene

Concen: 18.82 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

ClientSampled :

VW0830SBS01

Tot Ion: 75 Resp: 112713

Ion Ratio Lower Upper

75 100

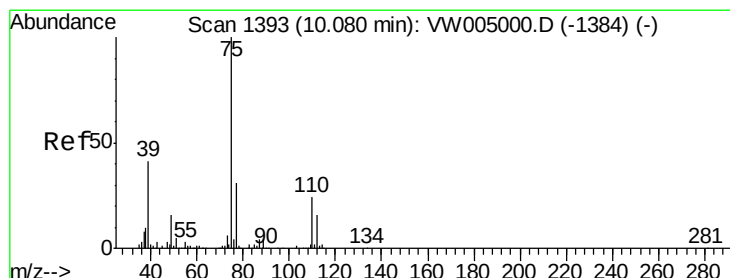
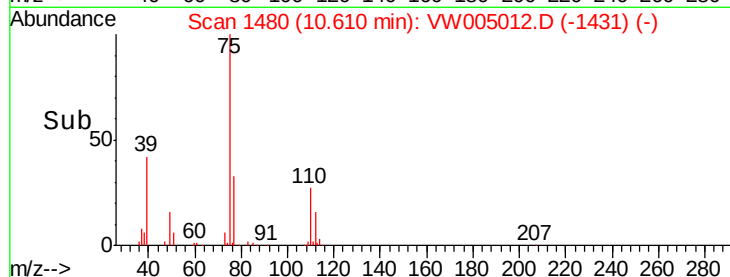
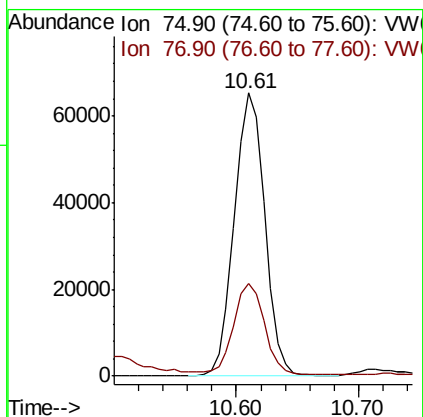
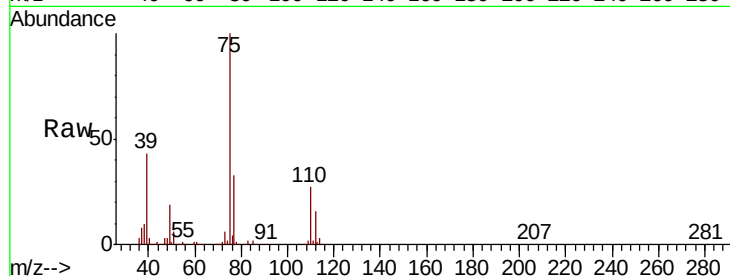
77 32.2 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.50 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

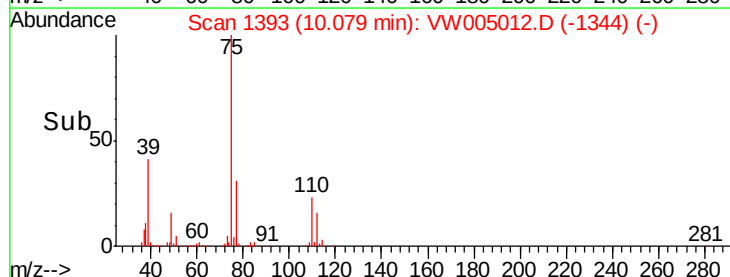
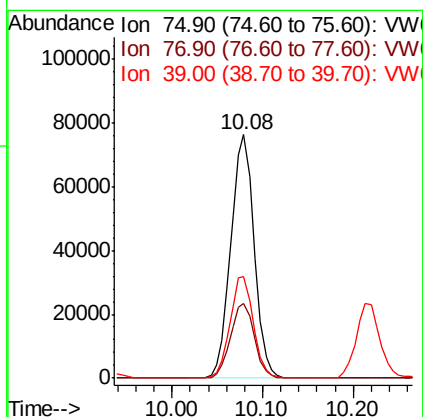
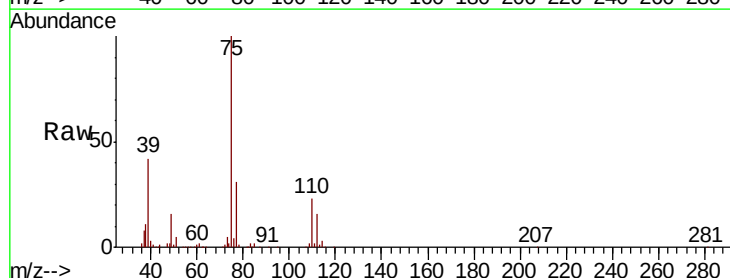
Tgt Ion: 75 Resp: 136177

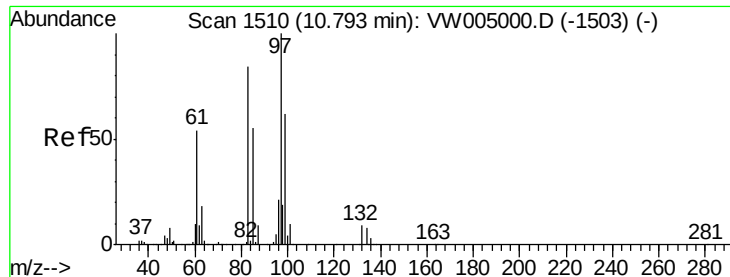
Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8

39 41.4 32.9 49.3





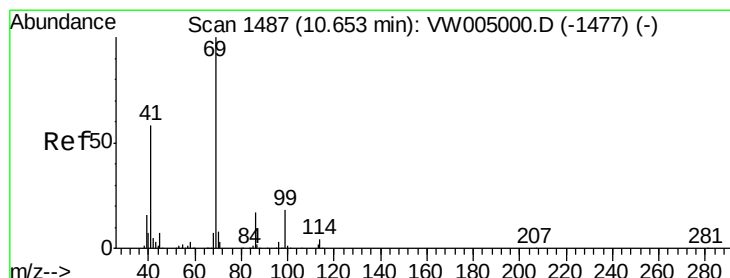
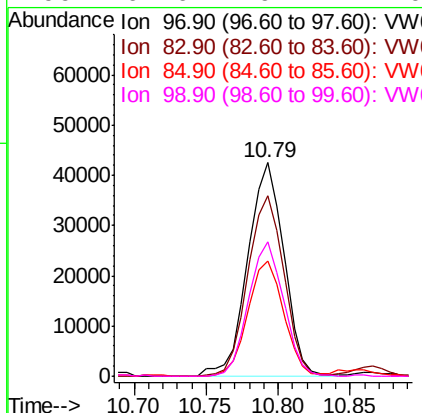
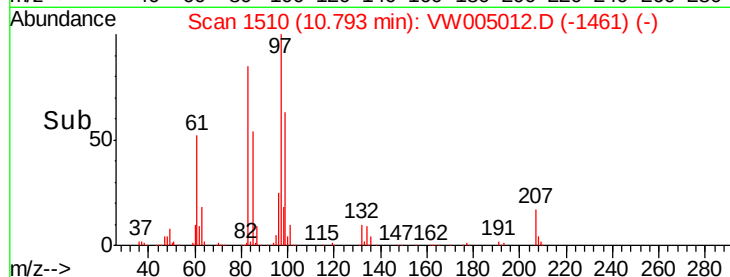
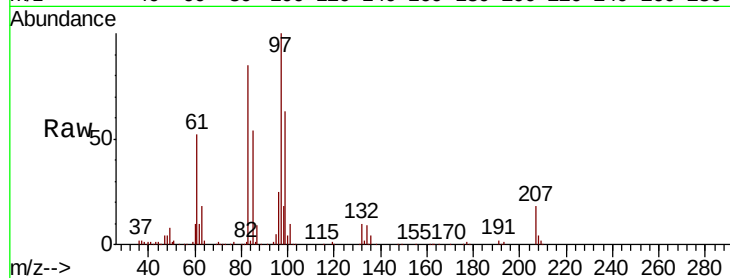
#55
 1,1,2-Trichloroethane
 Concen: 19.91 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		73980		
83	84.5	67.3	100.9		
85	53.8	44.3	66.5		
99	62.6	49.4	74.0		

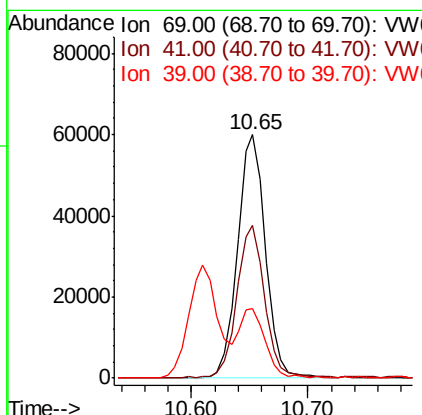
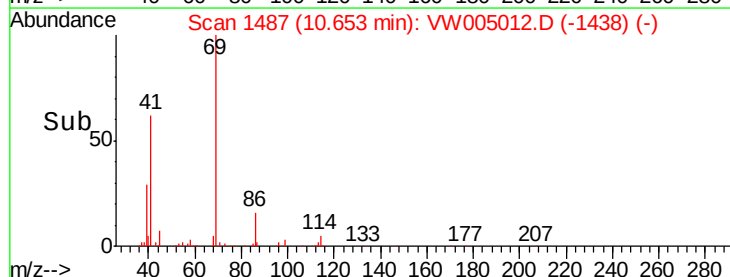
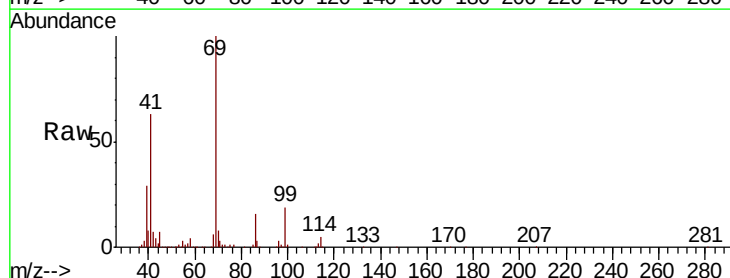
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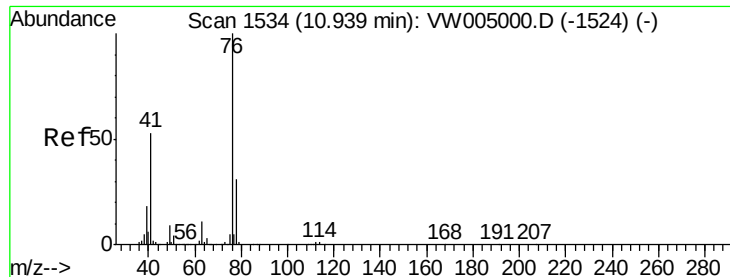
apatel
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#56
 Ethyl methacrylate
 Concen: 20.55 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		100128		
41	61.2	47.7	71.5		
39	26.5	21.0	31.6		





#57

1,3-Dichloropropane

Concen: 20.28 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 76 Resp: 123993

Ion Ratio Lower Upper

76 100

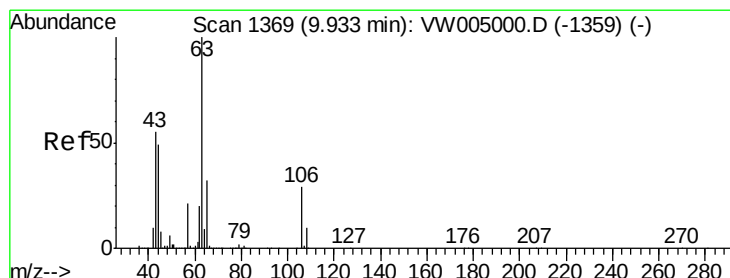
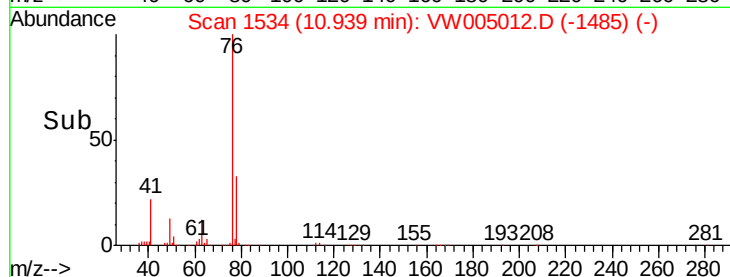
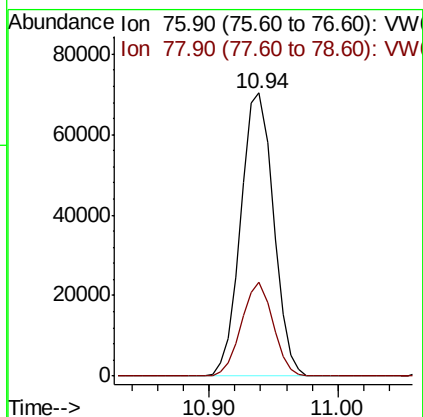
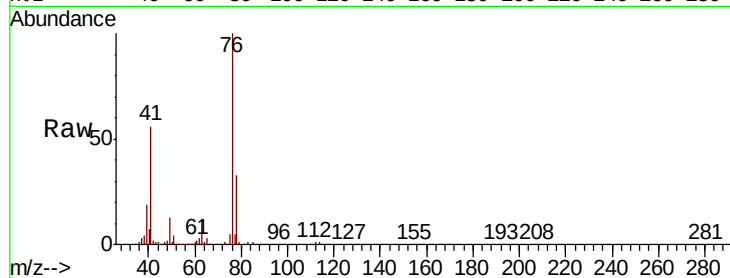
78 32.0 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 96.64 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VW005012.D

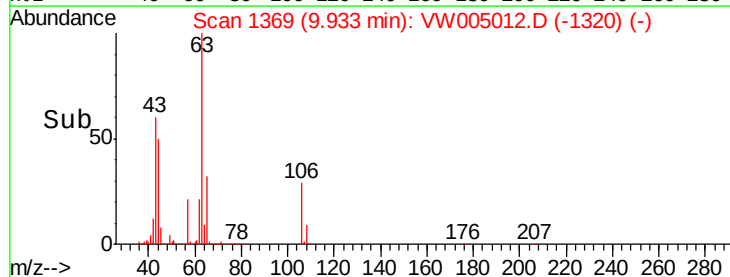
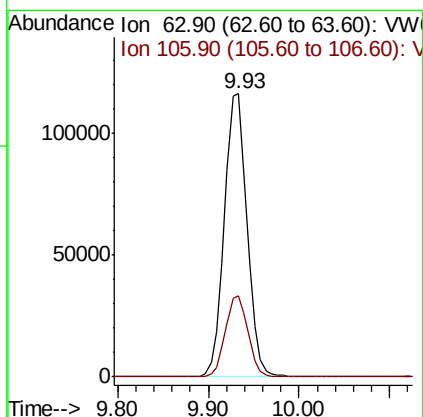
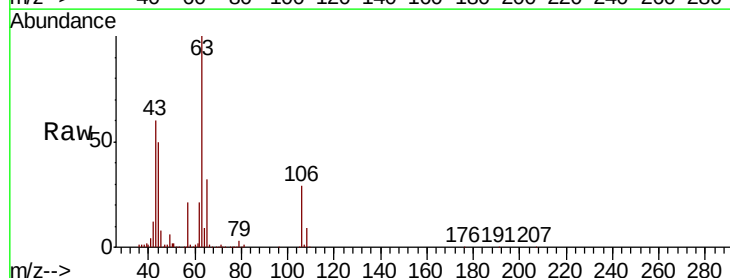
Acq: 30 Aug 2018 12:35

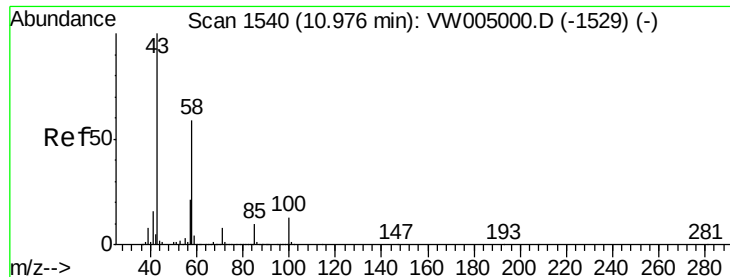
Tgt Ion: 63 Resp: 202889

Ion Ratio Lower Upper

63 100

106 28.5 23.2 34.8





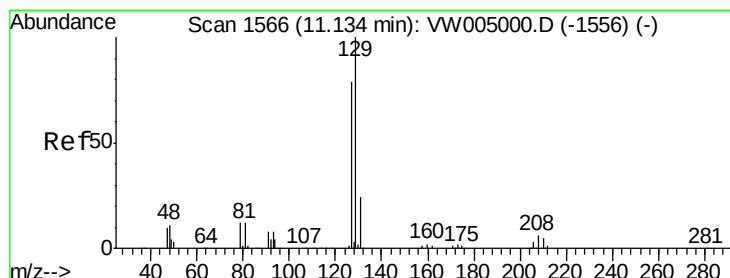
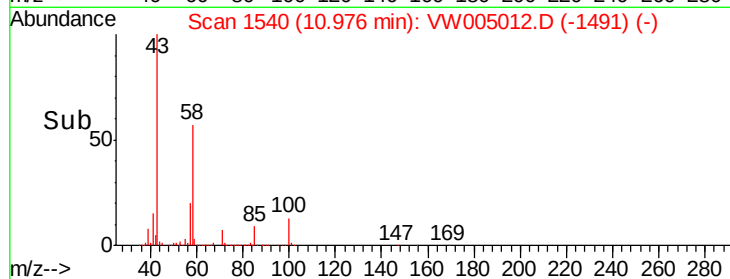
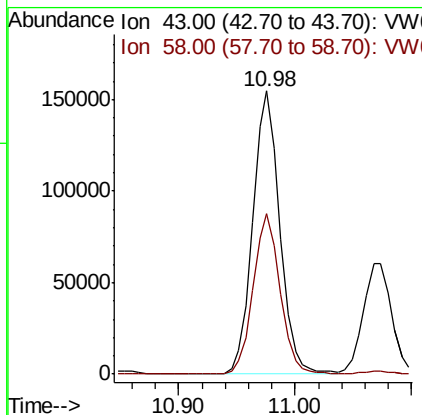
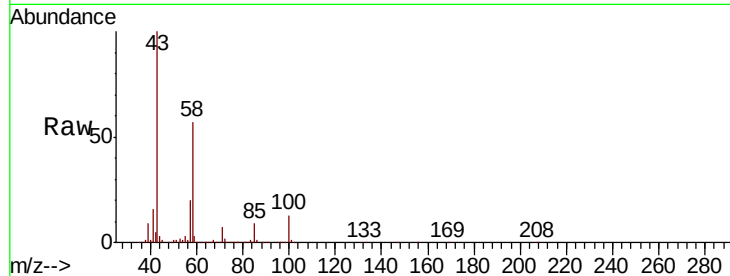
#59
2-Hexanone
Concen: 97.85 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	29.2	87.6

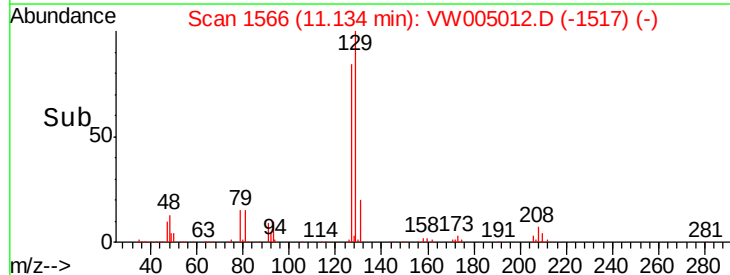
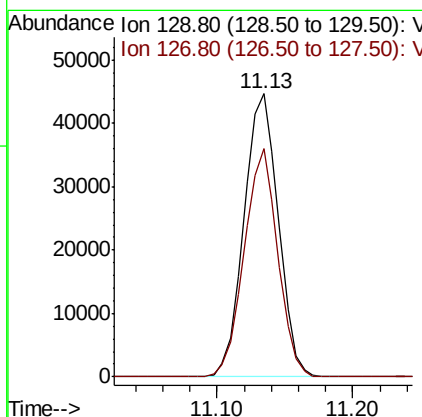
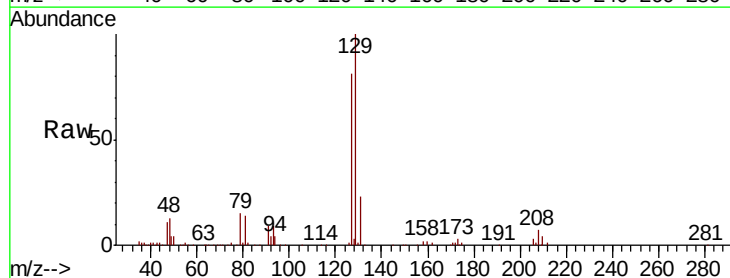
Manual Integrations
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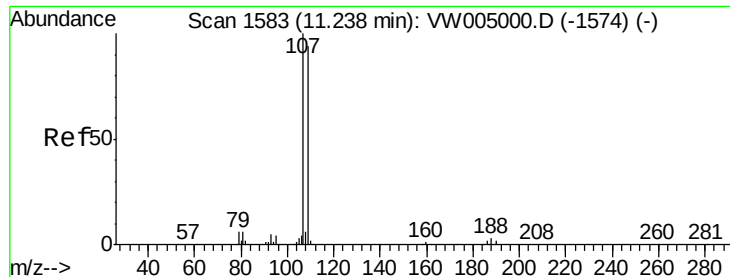
apatel
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#60
Dibromochloromethane
Concen: 19.39 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.3	114.8





#61

1,2-Dibromoethane

Concen: 19.72 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 107 Resp: 68696

Ion Ratio Lower Upper

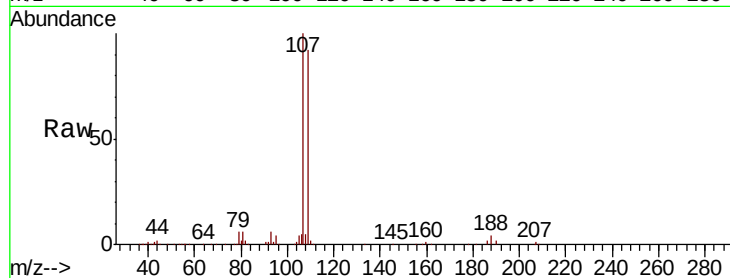
107 100

109 93.9 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

40000

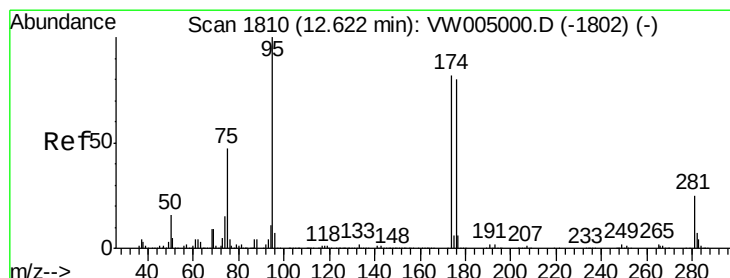
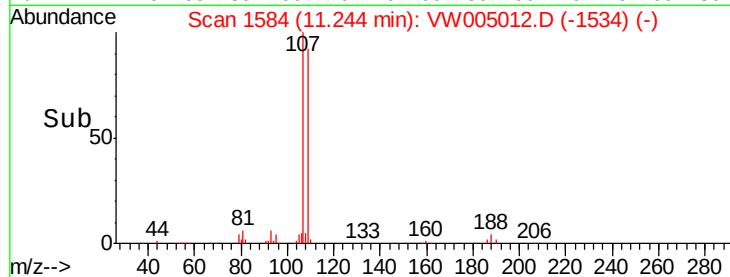
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.37 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

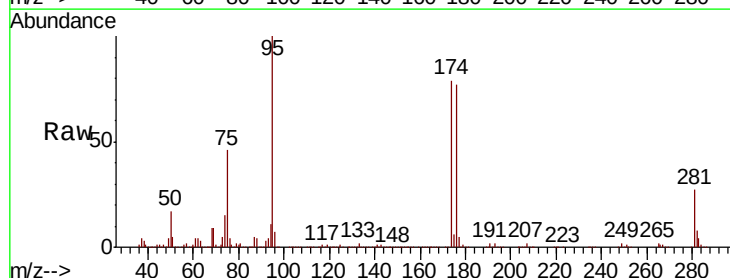
Tgt Ion: 95 Resp: 393759

Ion Ratio Lower Upper

95 100

174 84.9 0.0 173.4

176 82.0 0.0 167.8



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

300000

250000

200000

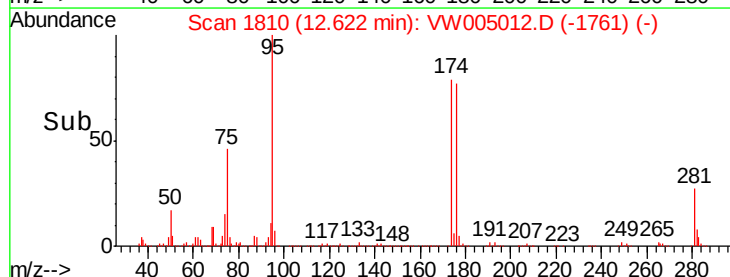
150000

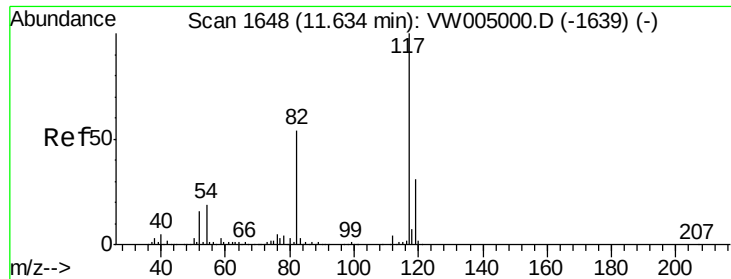
100000

50000

0

Time-->





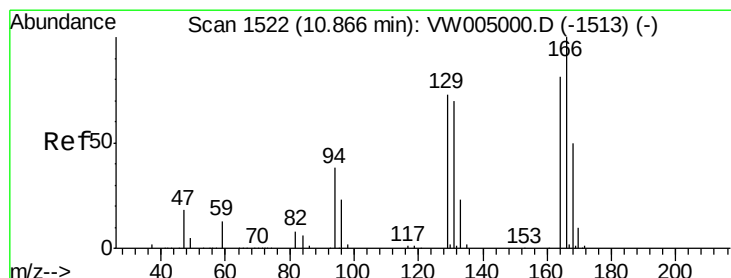
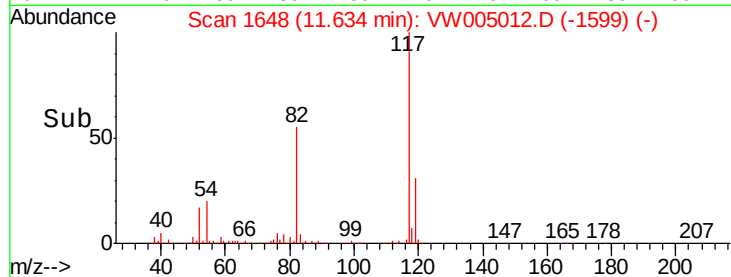
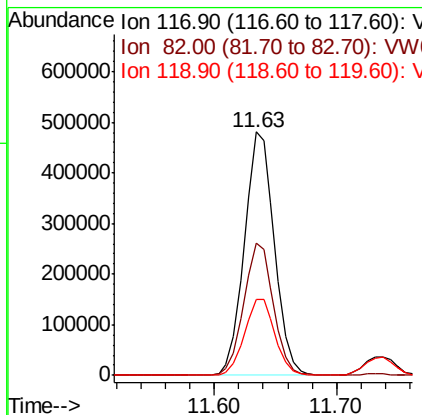
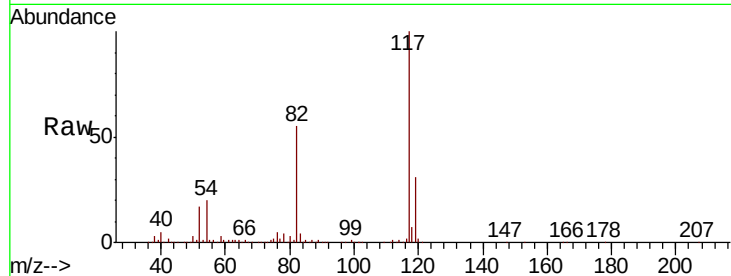
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	817815		
82	54.6	43.3	64.9	
119	31.4	25.0	37.6	

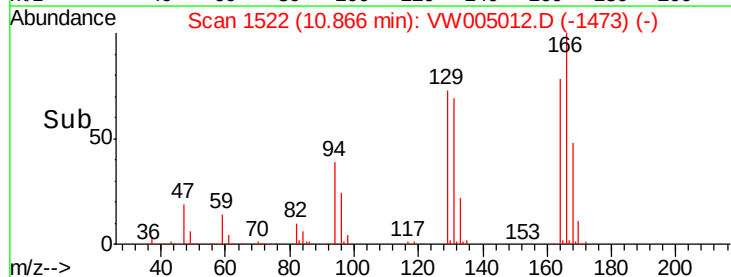
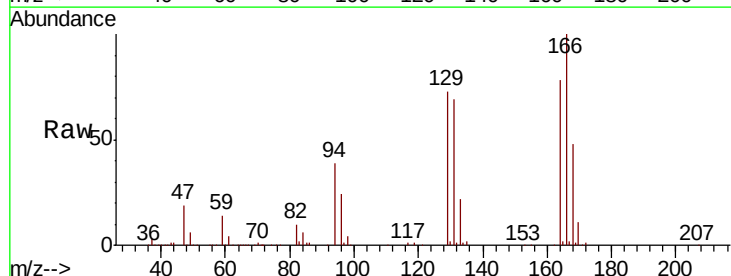
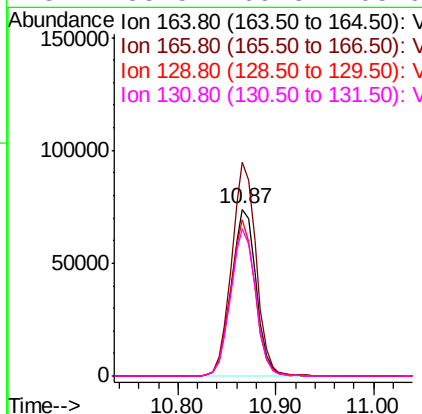
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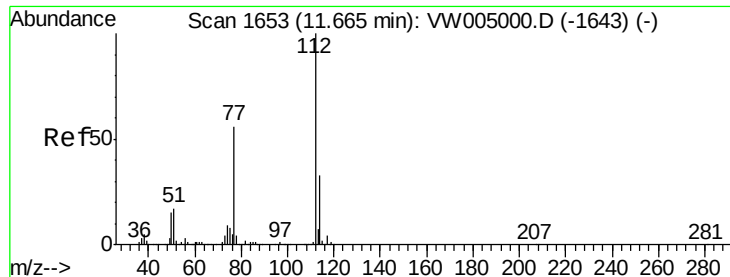
apatel
8/31/2018 11:39:13 AM



#64
Tetrachloroethene
Concen: 21.79 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129953		
166	128.2	99.4	149.0	
129	93.4	72.2	108.2	
131	88.5	69.3	103.9	





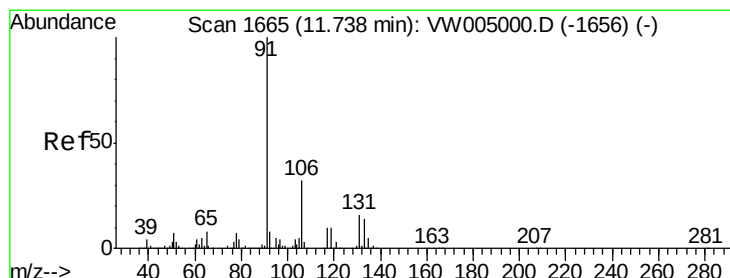
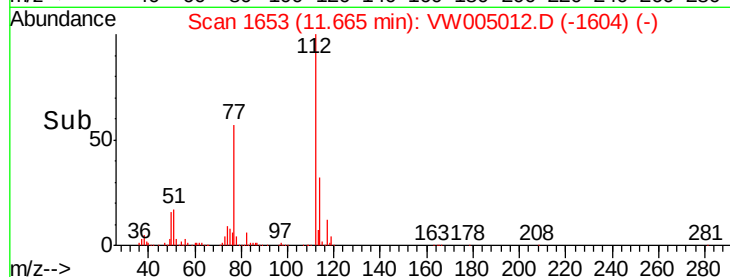
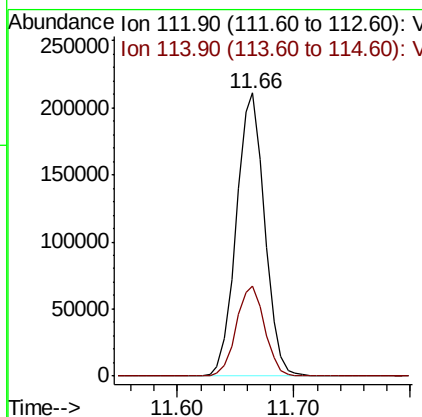
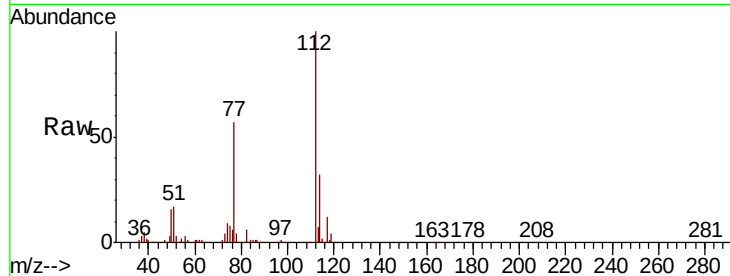
#65
Chlorobenzene
Concen: 19.89 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.1	39.1

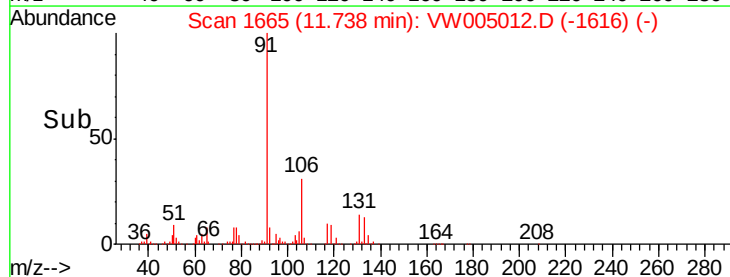
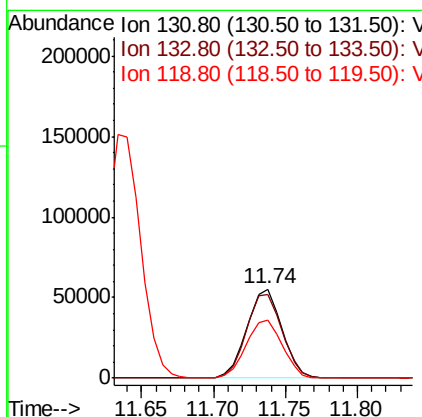
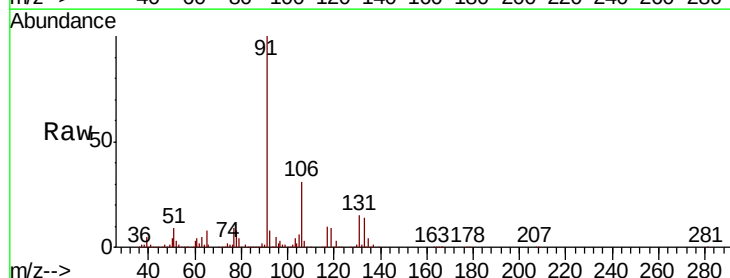
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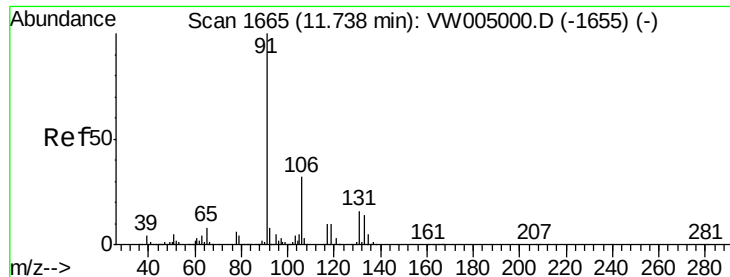
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.83 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.4	142.3
119	67.1	33.1	99.3





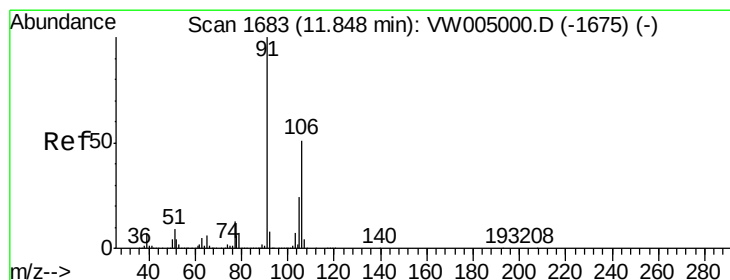
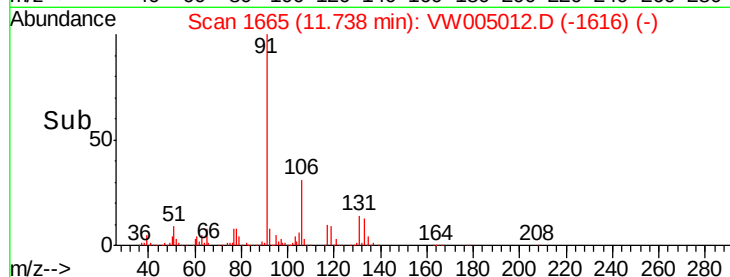
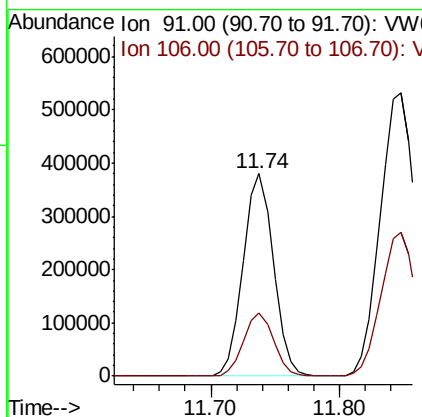
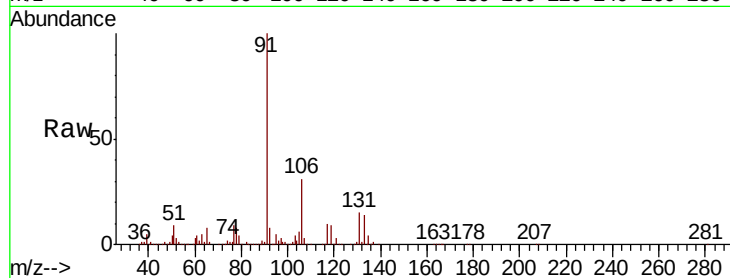
#67
Ethyl Benzene
Concen: 20.15 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.4	25.4	38.2	

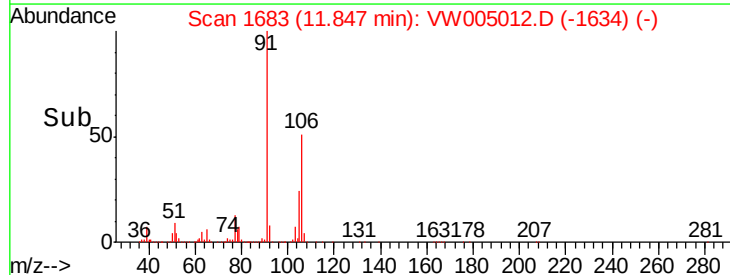
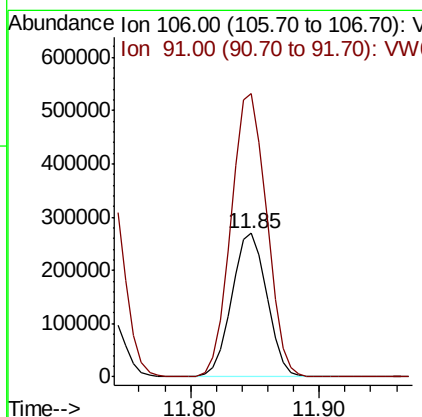
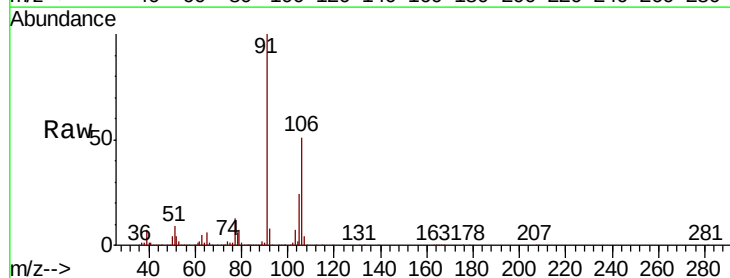
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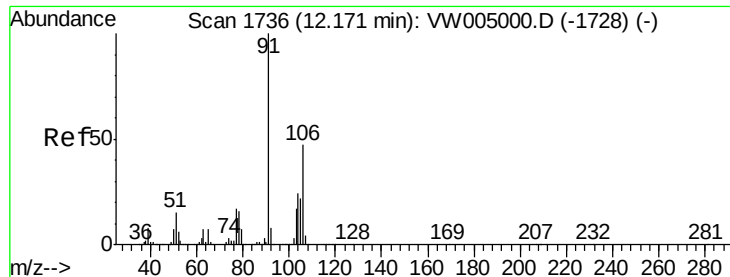
apatel
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#68
m/p-Xylenes
Concen: 40.68 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	200.3	158.4	237.6	





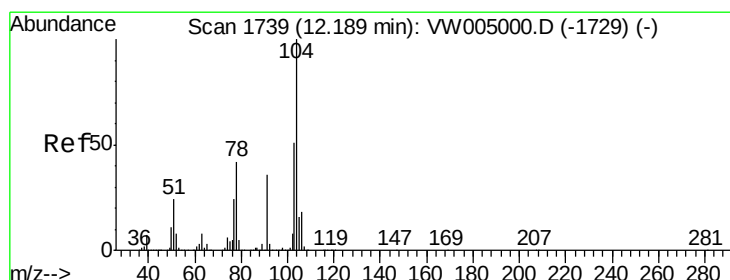
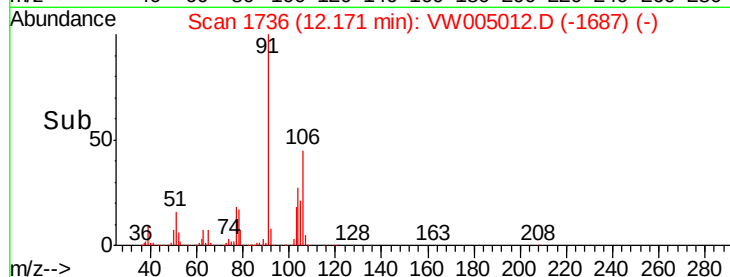
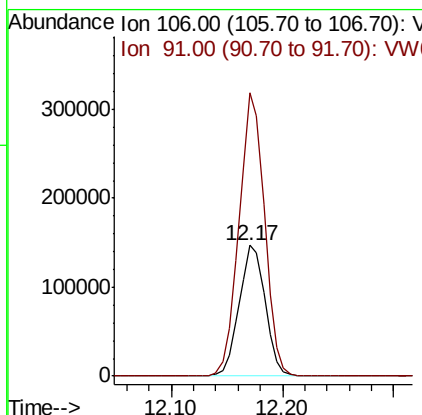
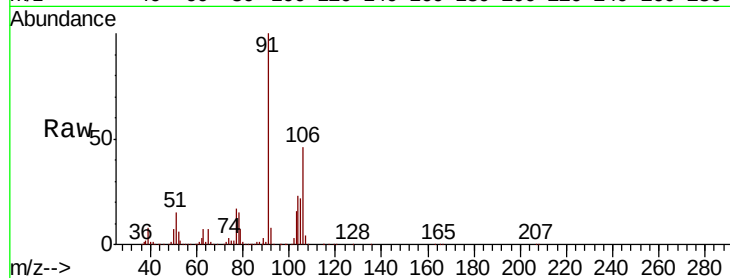
#69
o-Xylene
Concen: 20.83 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampled :
VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	238846		
91	211.6	104.4	313.1	

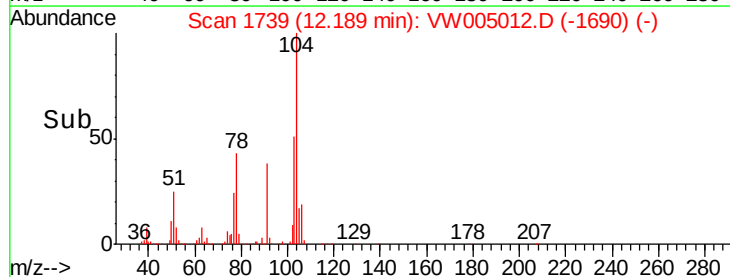
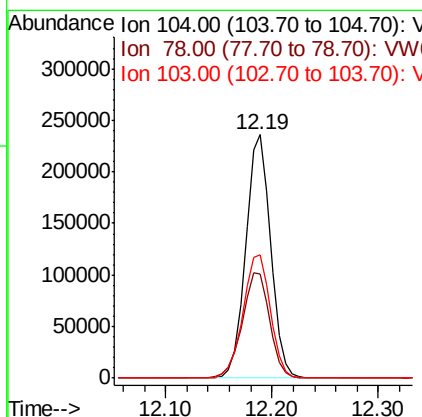
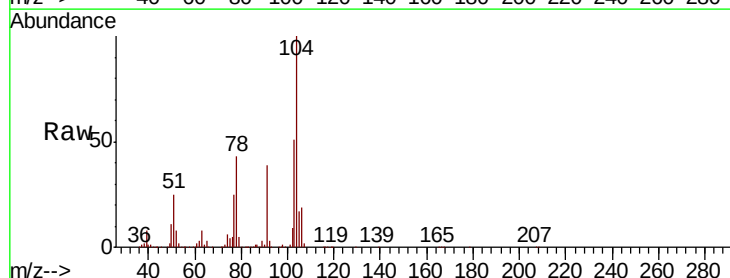
Manual Integrations
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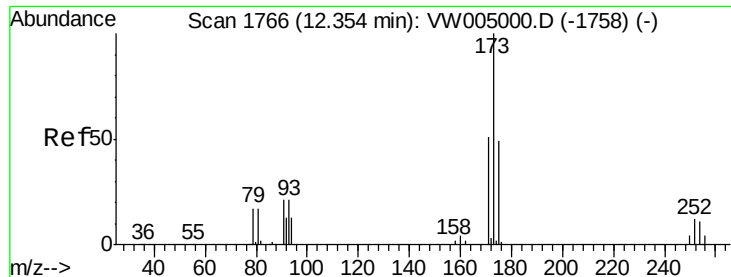
apatel
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#70
Styrene
Concen: 20.41 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	388218		
78	47.9	37.6	56.4	
103	55.7	43.9	65.9	





#71

Bromoform

Concen: 17.87 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

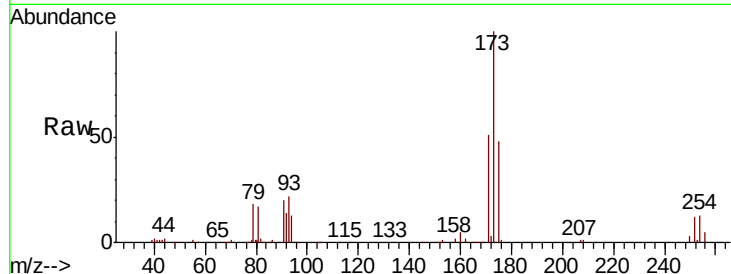
ClientSampleId :

VW0830SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	73.0
254	0.0	0.1	0.1#

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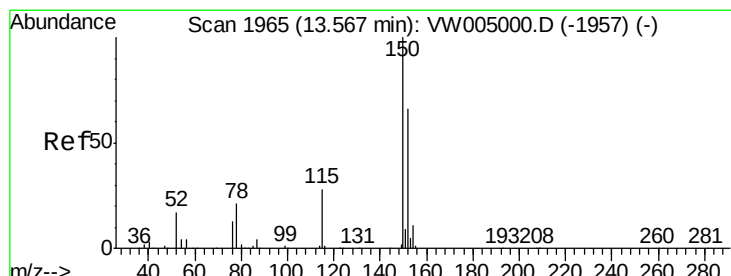
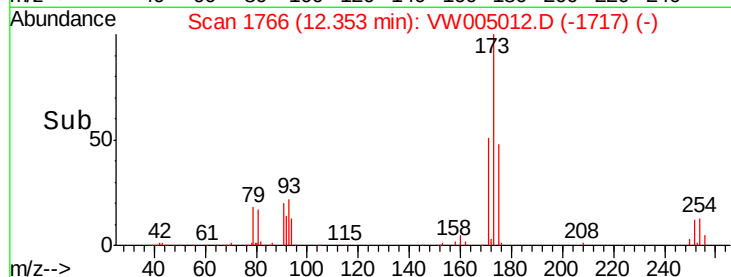
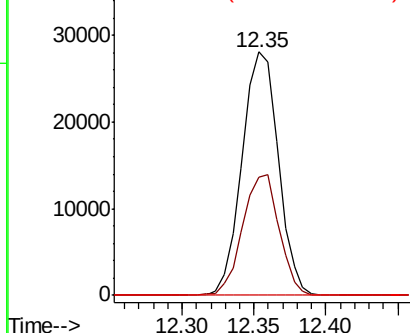


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

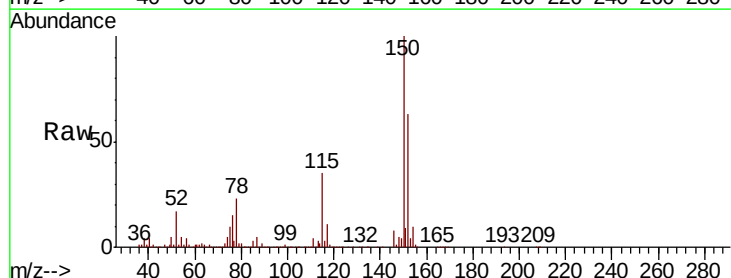
RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.0	83.9
150	164.1	0.0	347.2

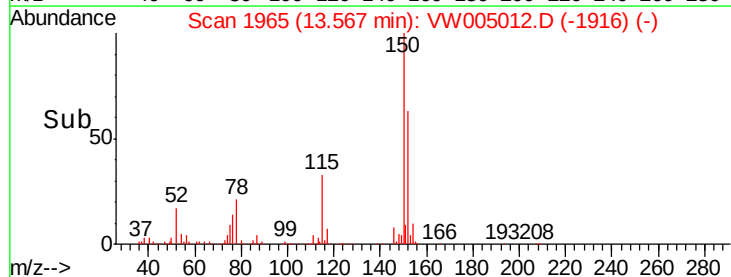
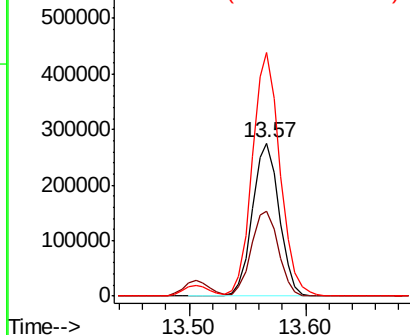


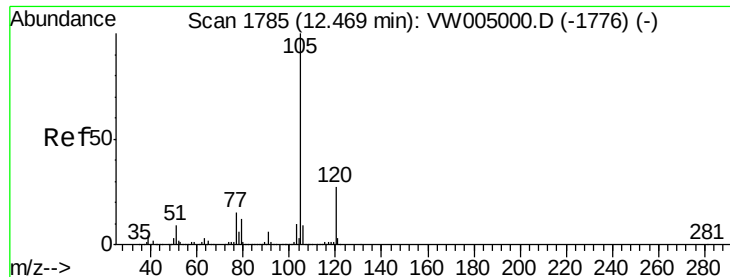
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.12 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 105 Resp: 622191

Ion Ratio Lower Upper

105 100

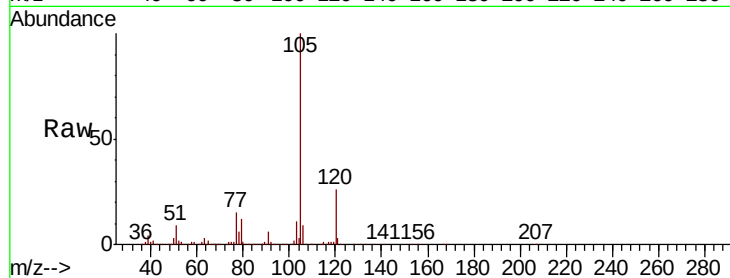
120 26.3 13.4 40.2

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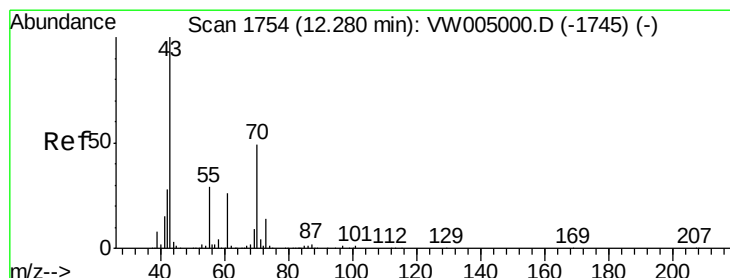
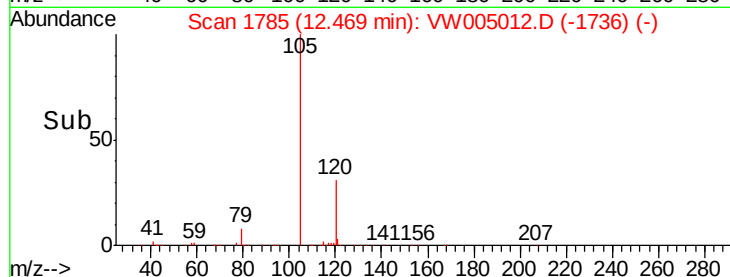
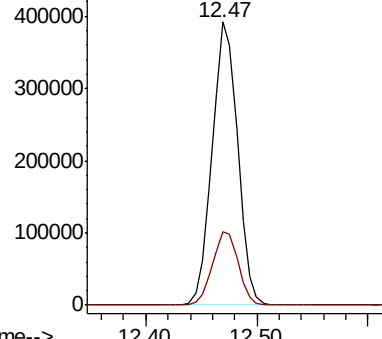
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.12 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Tgt Ion: 43 Resp: 111825

Ion Ratio Lower Upper

43 100

70 45.7 38.6 57.8

55 28.6 23.6 35.4

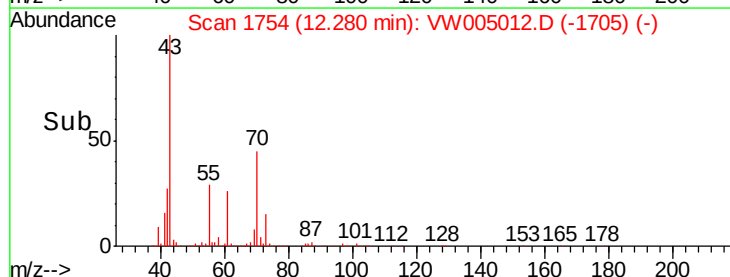
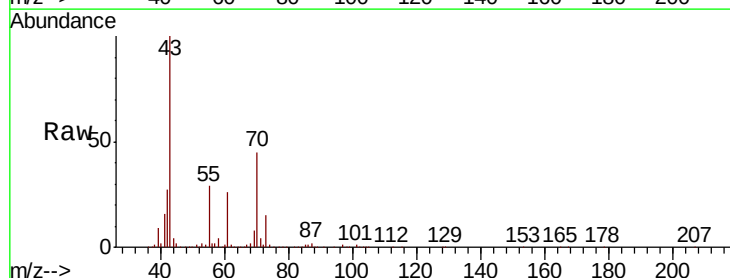
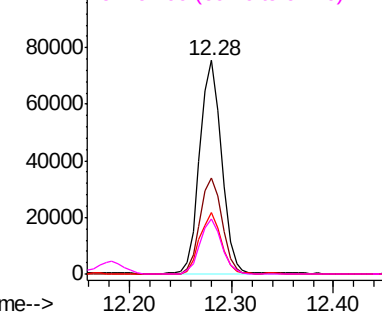
61 25.6 21.0 31.6

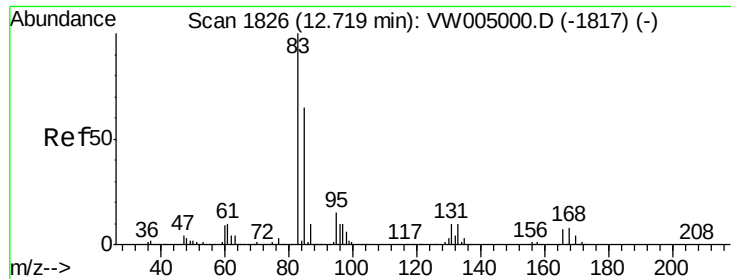
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.59 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

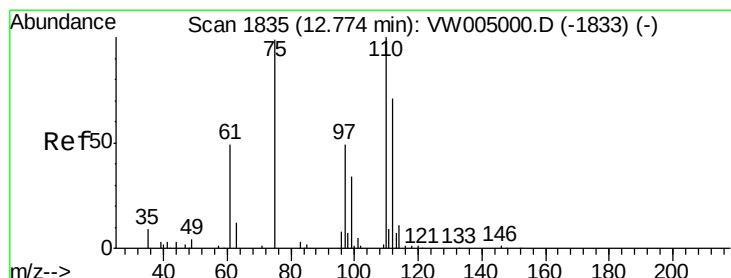
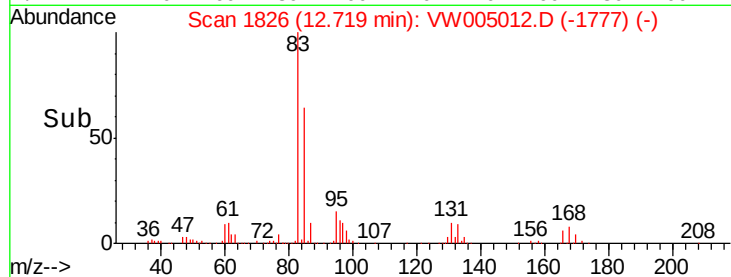
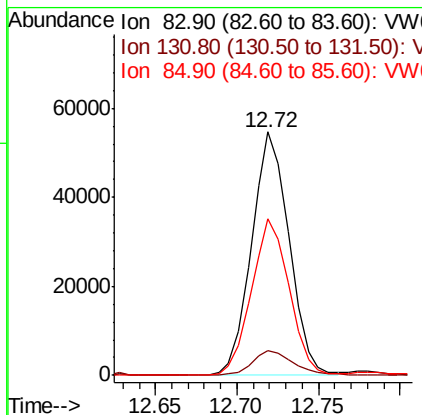
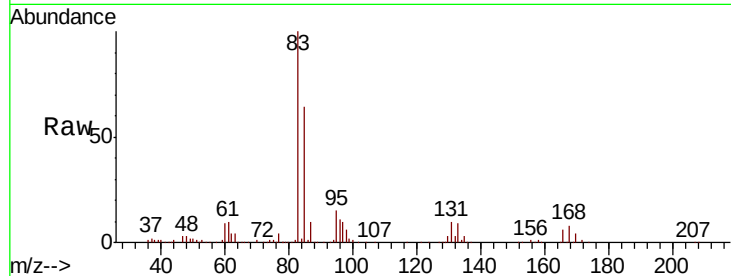
ClientSampleId :

VW0830SBS01

Tot Ion:	83	Resp:	87380
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.5
85	64.7	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 20.66 ug/l m

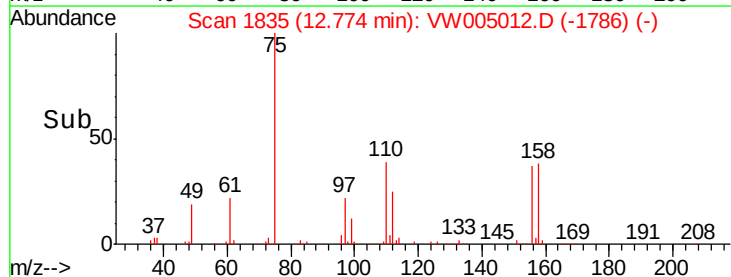
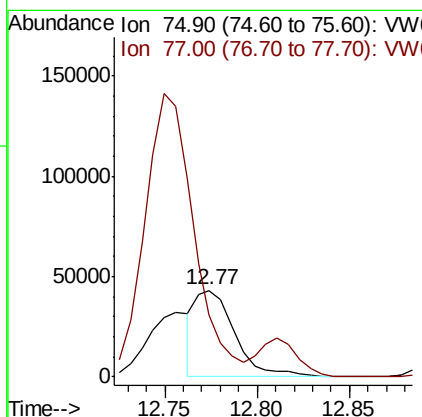
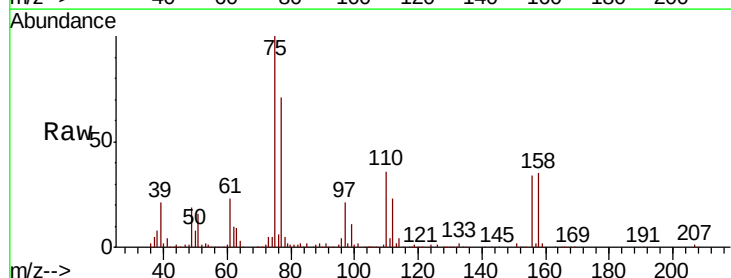
RT: 12.77 min Scan# 1835

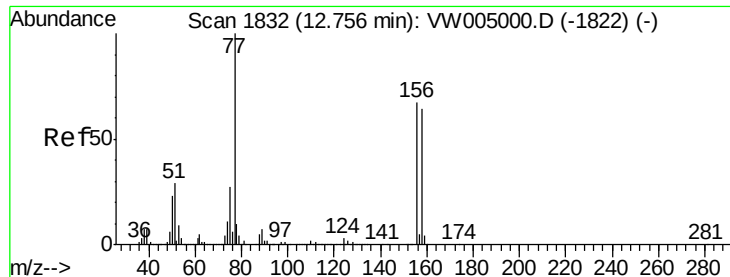
Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Tgt Ion:	75	Resp:	64676
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.67 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

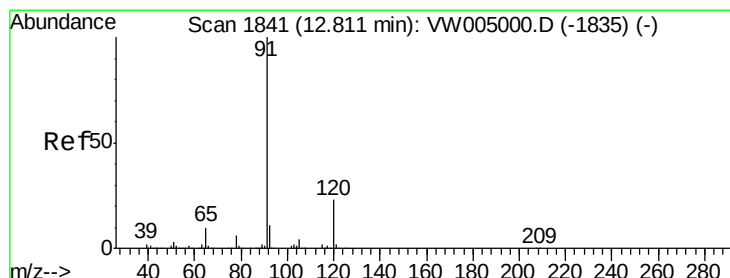
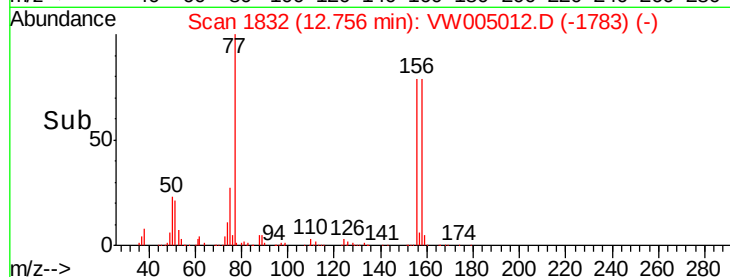
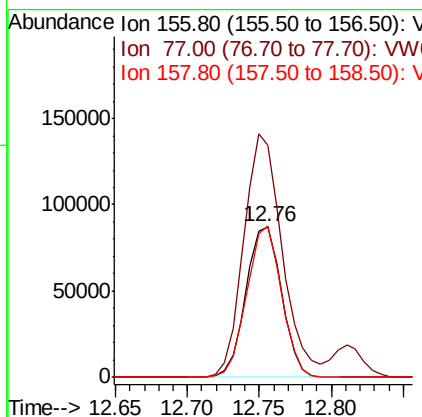
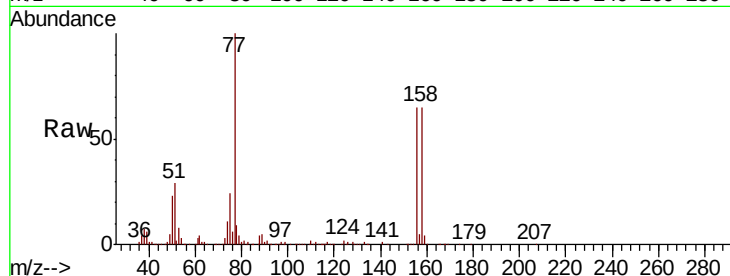
ClientSampleId :

VW0830SBS01

Tot Ion:	156	Resp:	149420
Ion Ratio	Lower	Upper	
156	100		
77	174.7	86.9	260.6
158	97.3	48.6	145.9

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#78

n-propylbenzene

Concen: 21.24 ug/l

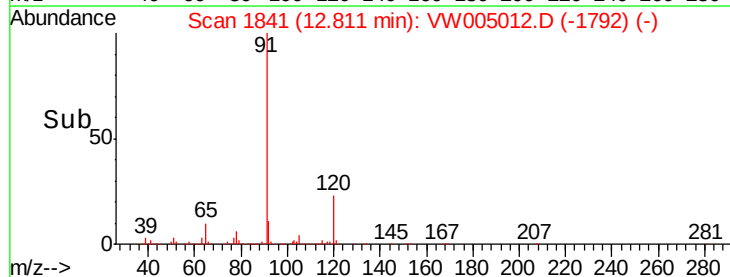
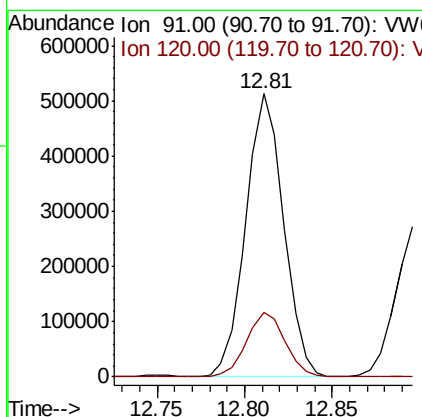
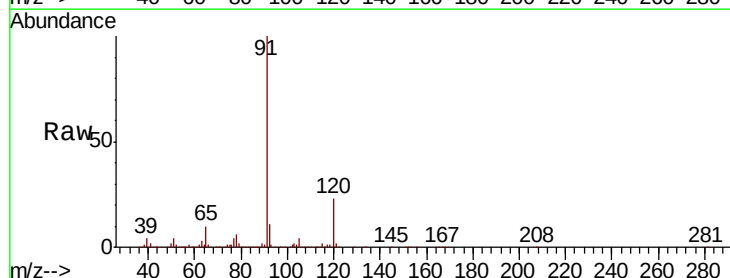
RT: 12.81 min Scan# 1841

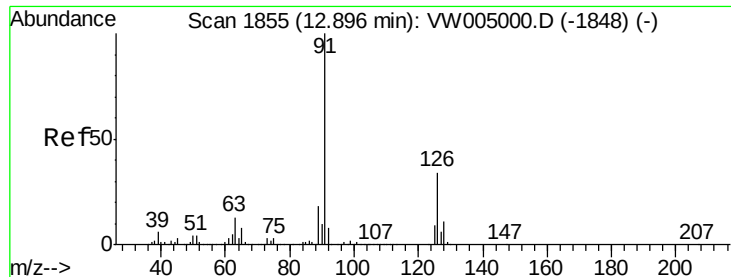
Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Tgt Ion:	91	Resp:	771627
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.7	35.1





#79

2-Chlorotoluene

Concen: 21.28 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 91 Resp: 446606

Ion Ratio Lower Upper

91 100

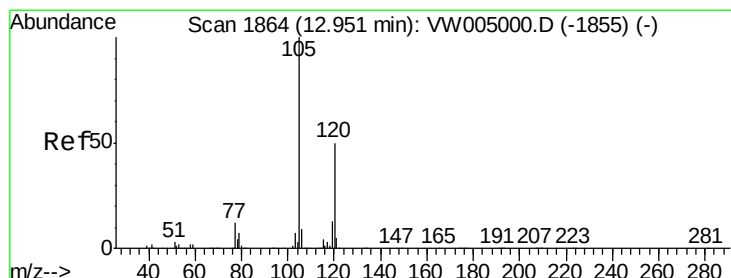
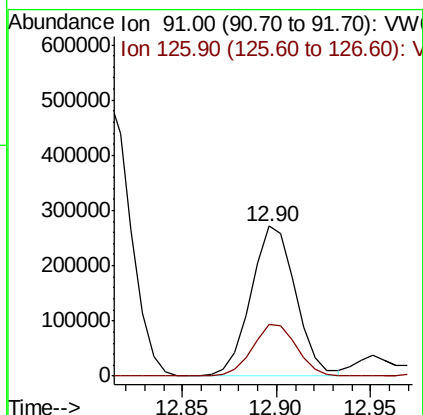
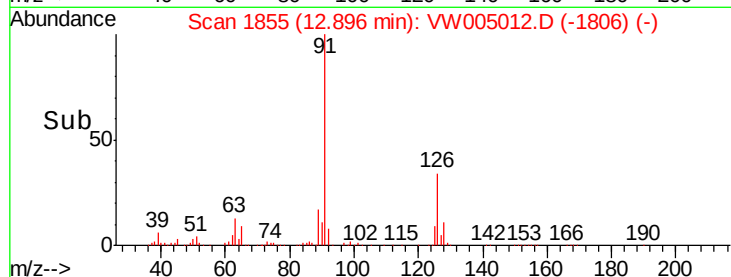
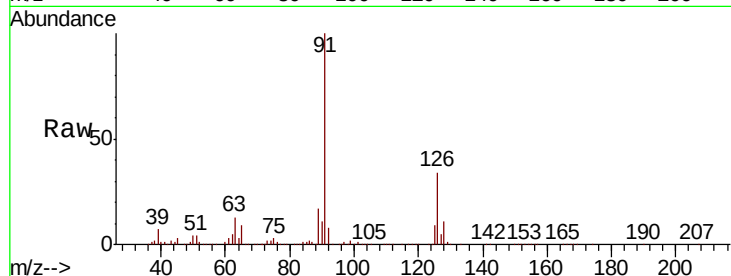
126 34.5 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 21.22 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW005012.D

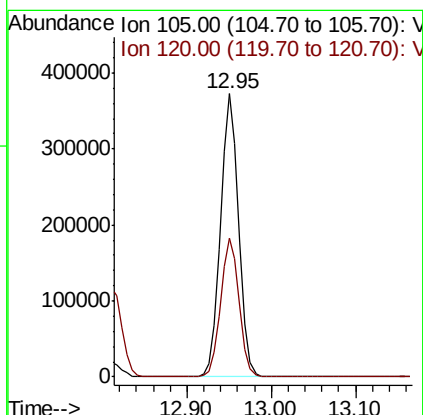
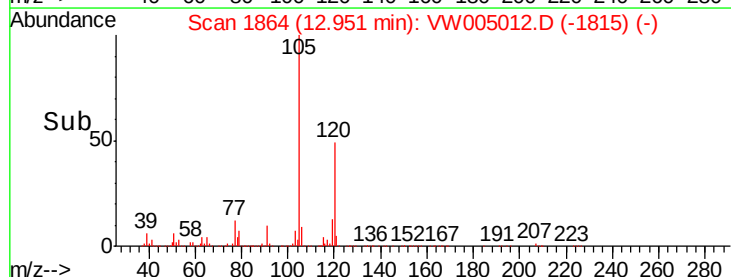
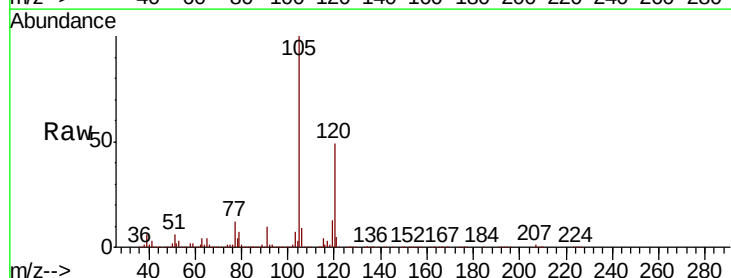
Acq: 30 Aug 2018 12:35

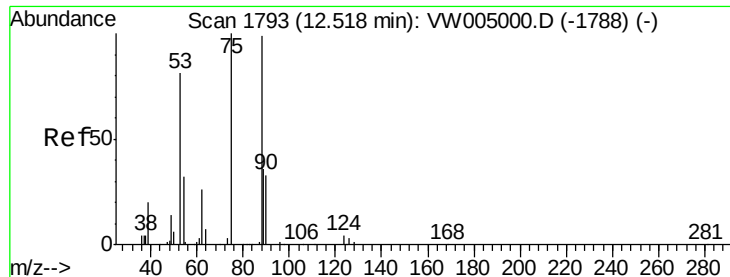
Tgt Ion:105 Resp: 552172

Ion Ratio Lower Upper

105 100

120 49.6 25.1 75.3





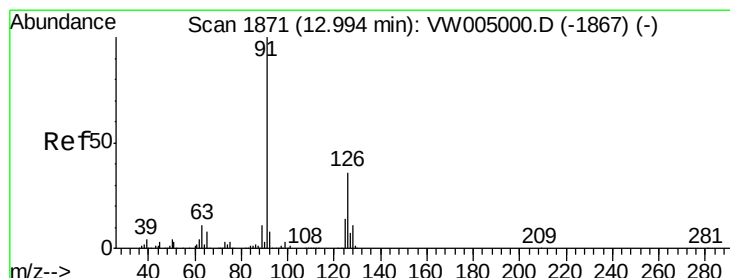
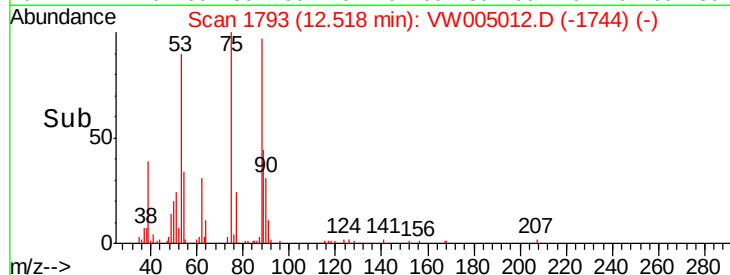
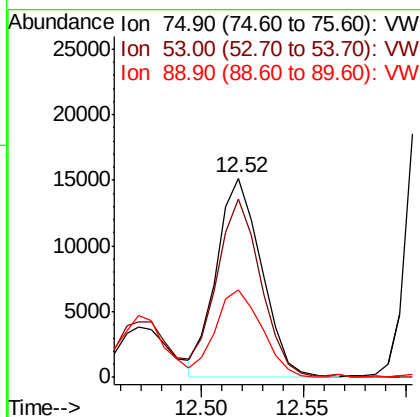
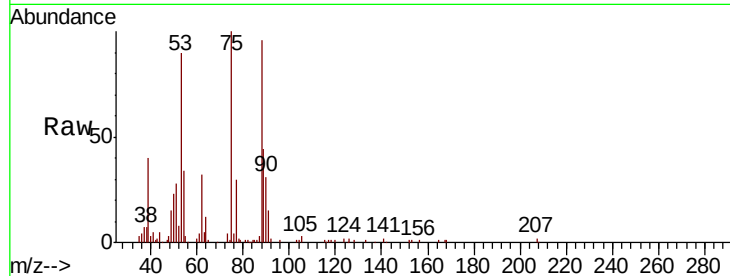
#81
trans-1,4-Dichloro-2-butene
Concen: 16.74 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampled :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	67.4	101.2
89	45.2	35.0	52.6

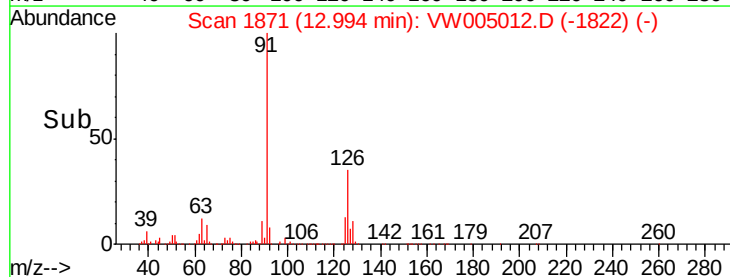
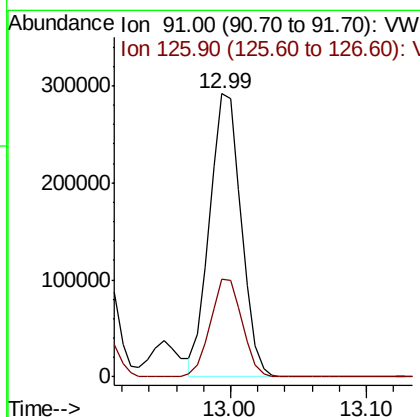
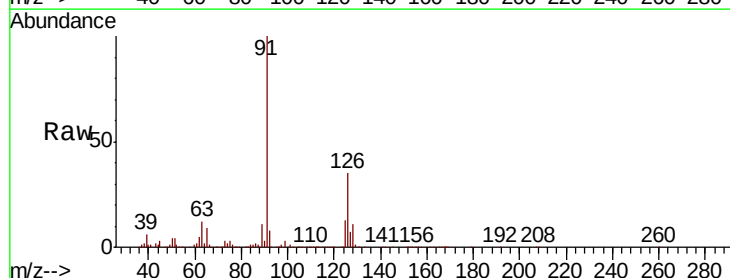
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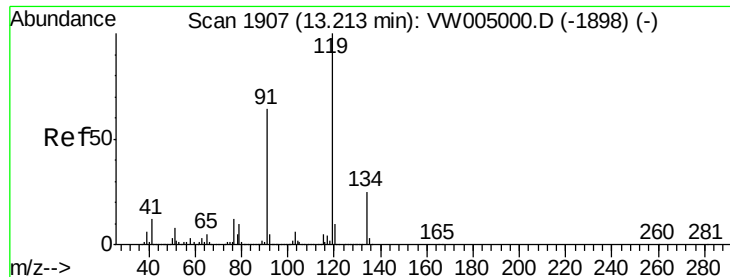
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#82
4-Chlorotoluene
Concen: 20.98 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





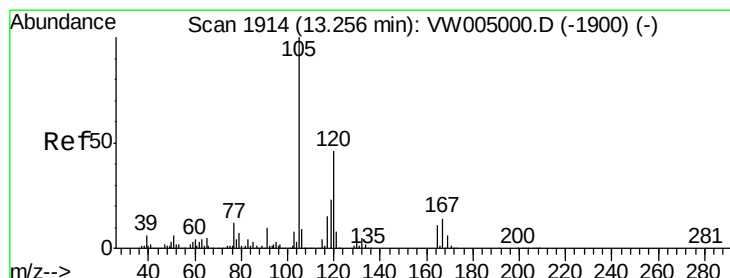
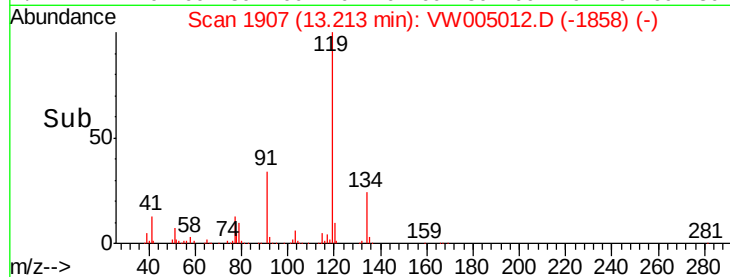
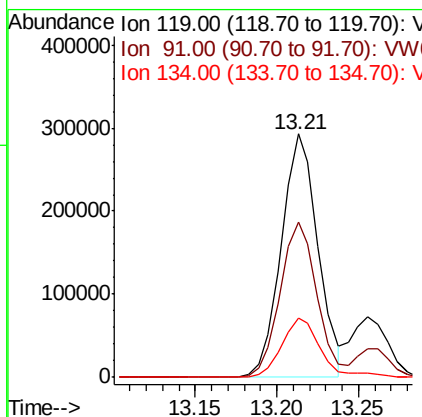
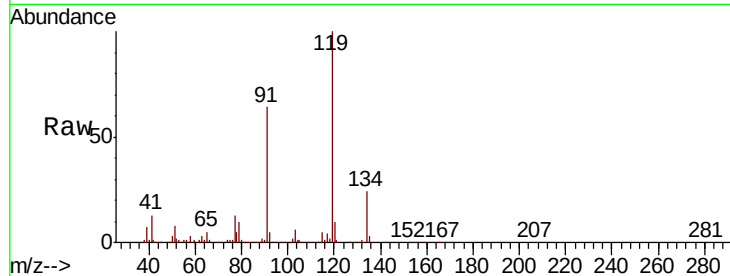
#83
 tert-Butylbenzene
 Concen: 20.99 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	31.9	95.5
134	25.7	13.2	39.5

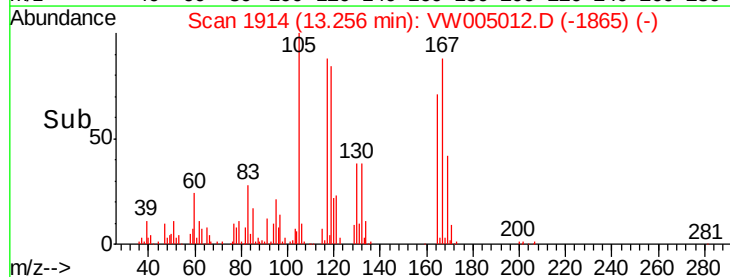
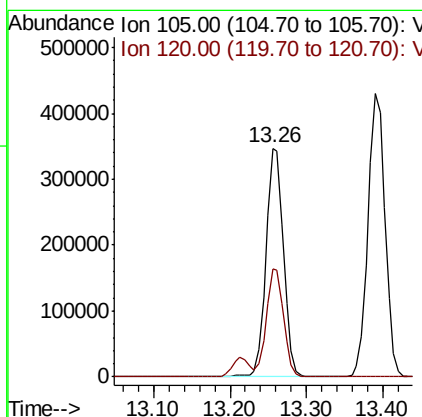
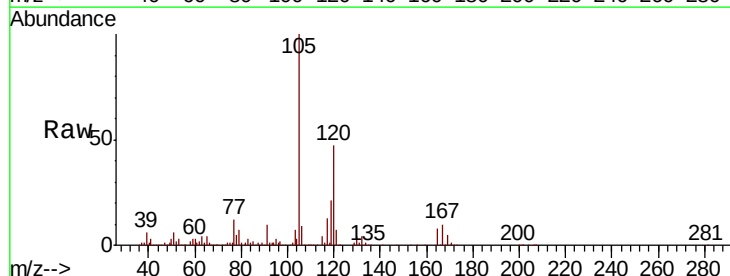
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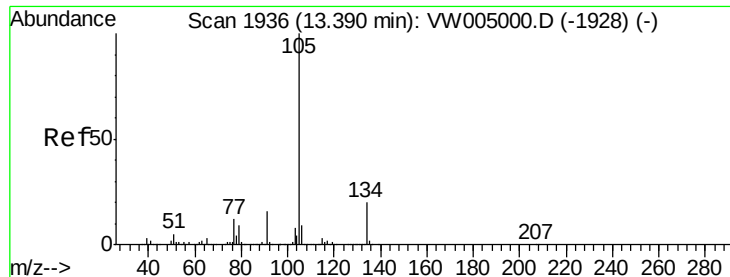
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.04 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.9	68.7





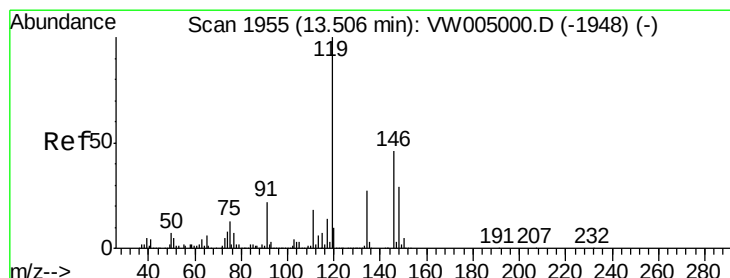
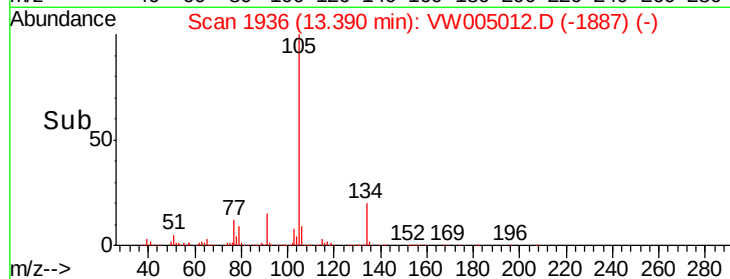
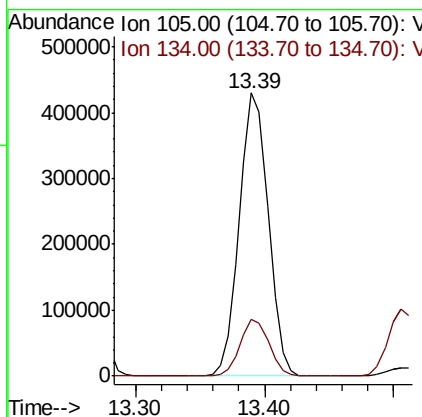
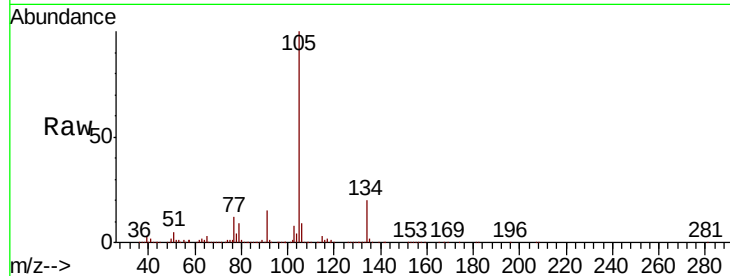
#85
 sec-Butylbenzene
 Concen: 20.85 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.3

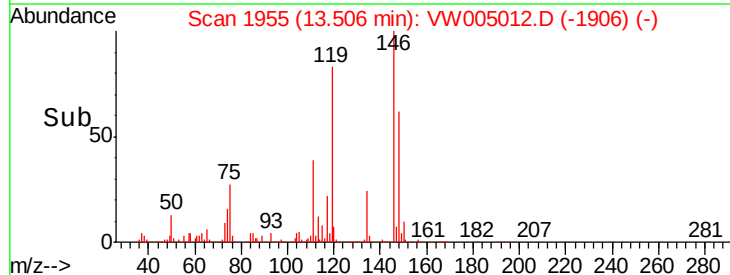
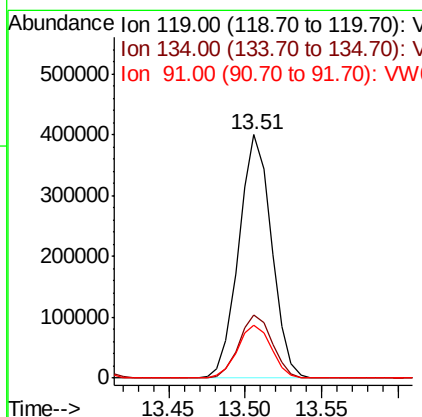
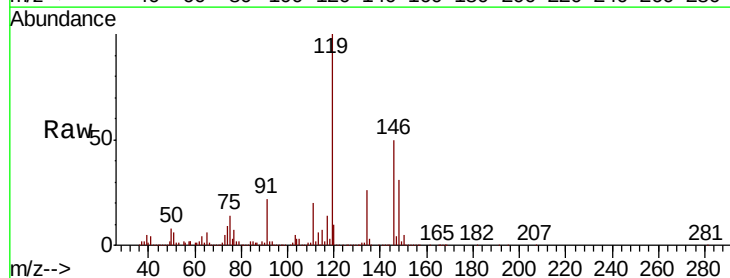
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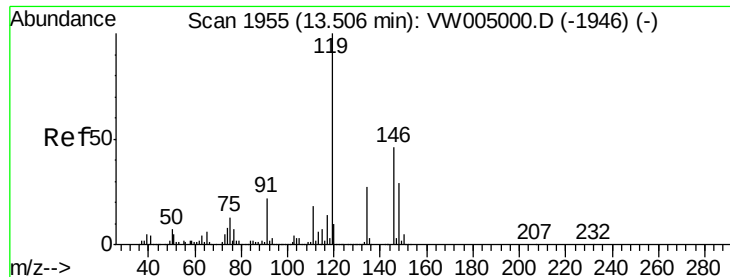
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#86
 p-Isopropyltoluene
 Concen: 20.67 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	22.3	10.9	32.9





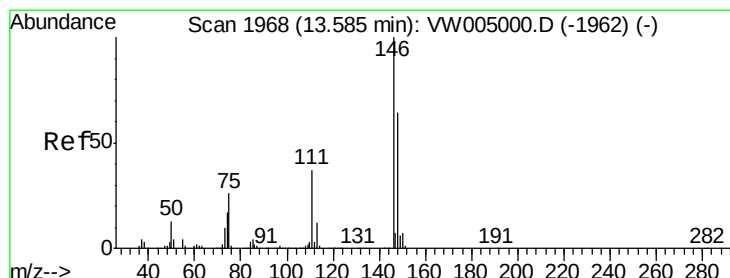
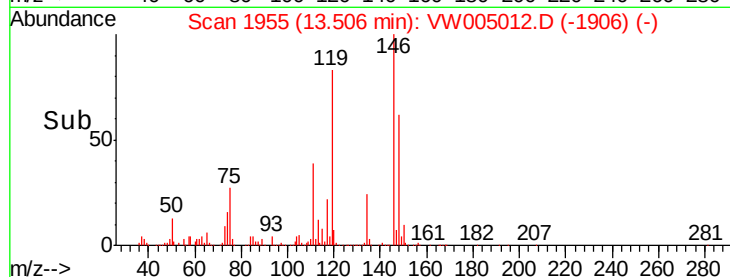
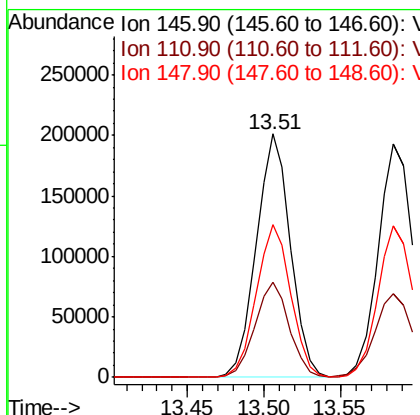
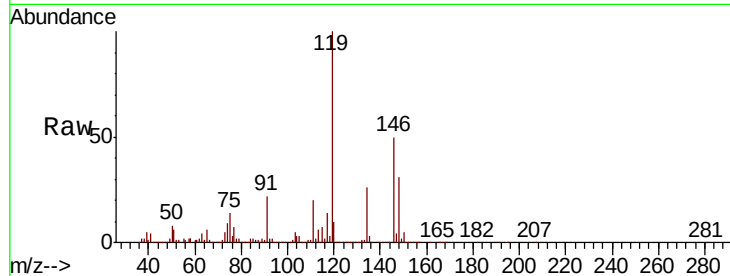
#87
 1,3-Dichlorobenzene
 Concen: 20.34 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	311608		
111	39.2	19.3	57.8	
148	63.5	31.6	94.7	

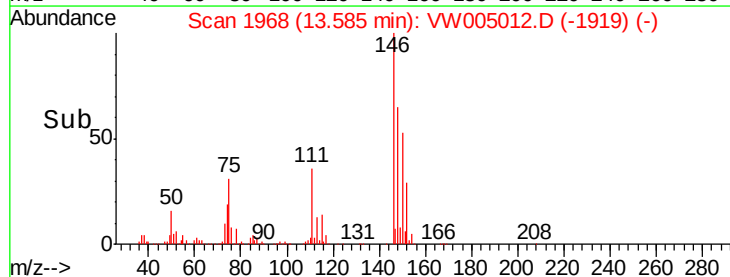
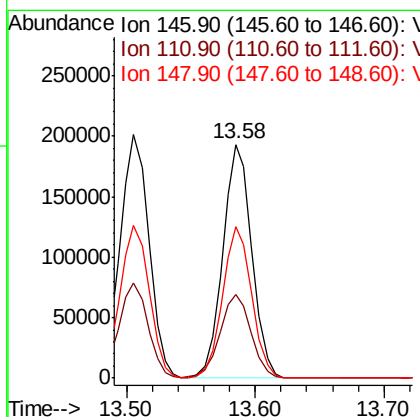
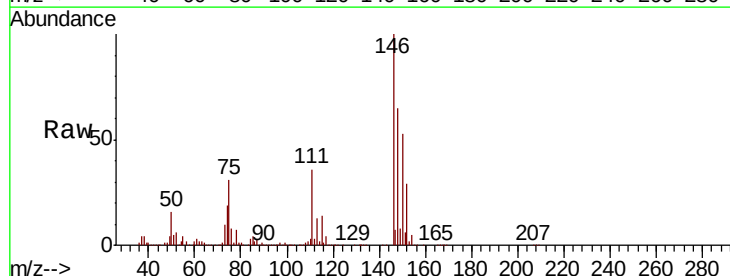
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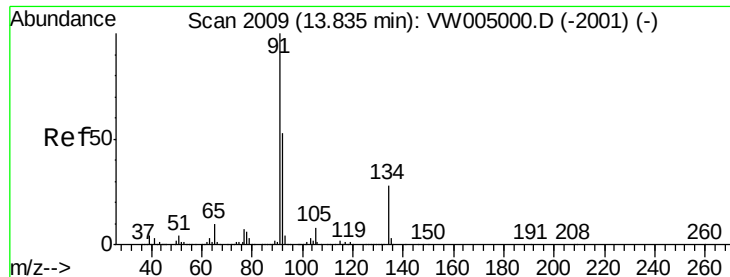
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#88
 1,4-Dichlorobenzene
 Concen: 20.03 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	304022		
111	38.4	18.7	56.1	
148	65.4	31.7	95.1	





#89

n-Butylbenzene

Concen: 19.96 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

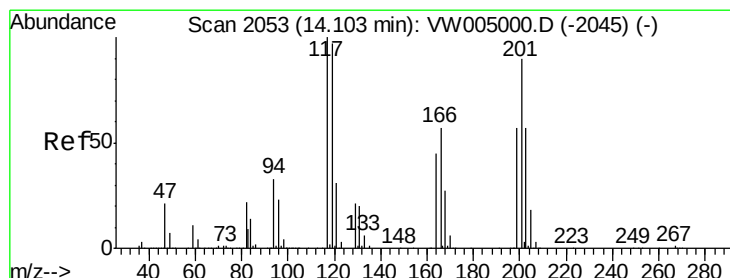
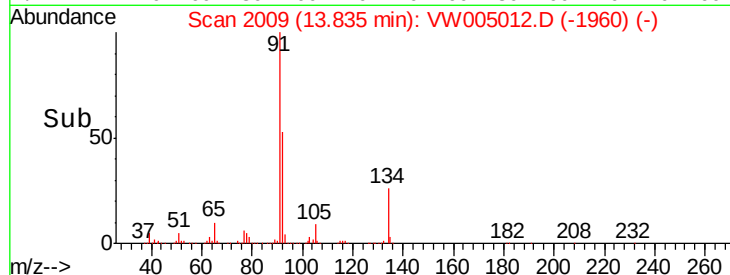
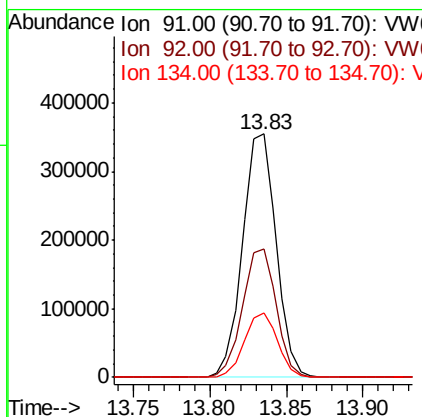
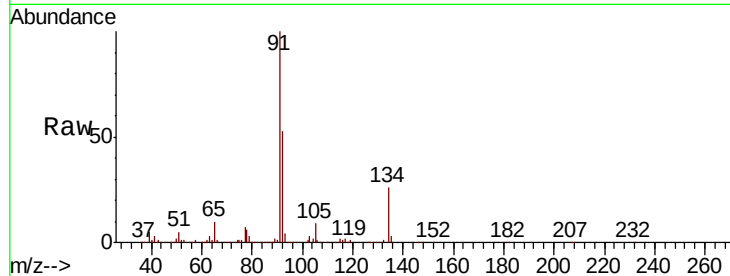
ClientSampleId :

VW0830SBS01

Tot Ion:	91	Resp:	538733
Ion Ratio	Lower	Upper	
91	100		
92	53.0	26.5	79.4
134	26.2	13.4	40.1

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#90

Hexachloroethane

Concen: 19.08 ug/l

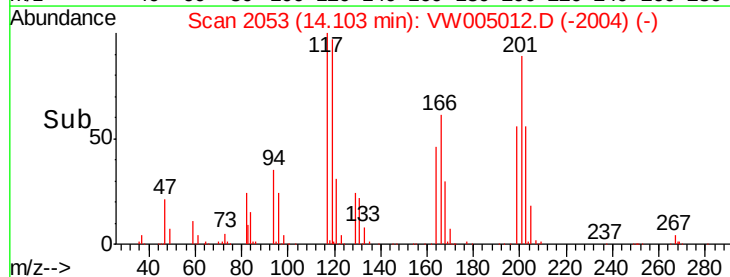
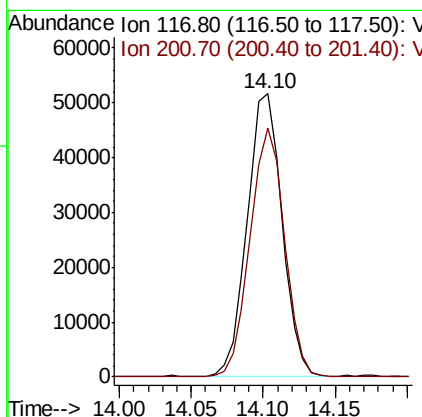
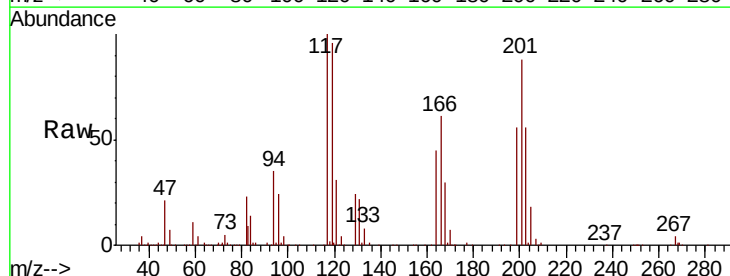
RT: 14.10 min Scan# 2053

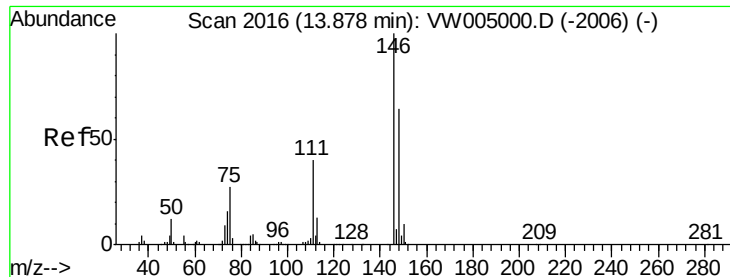
Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Tgt Ion:	117	Resp:	86229
Ion Ratio	Lower	Upper	
117	100		
201	86.9	44.3	132.8





#91

1,2-Dichlorobenzene

Concen: 20.59 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Instrument :

MSVOA_W

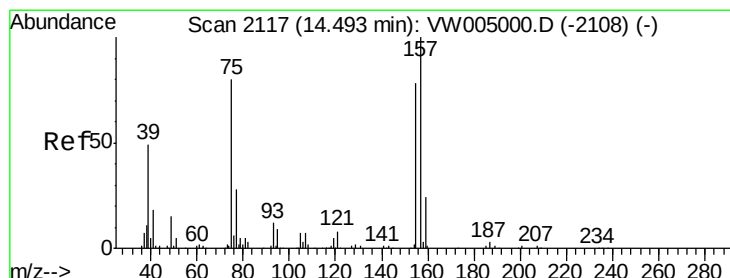
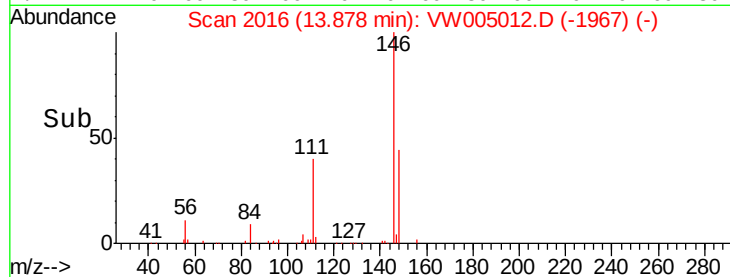
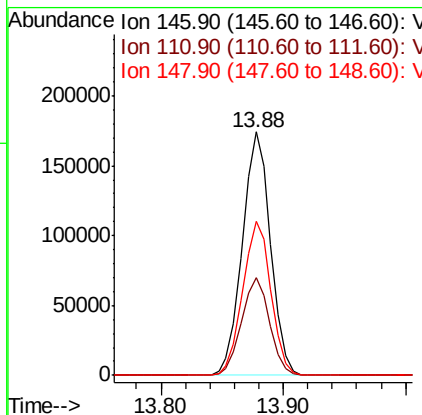
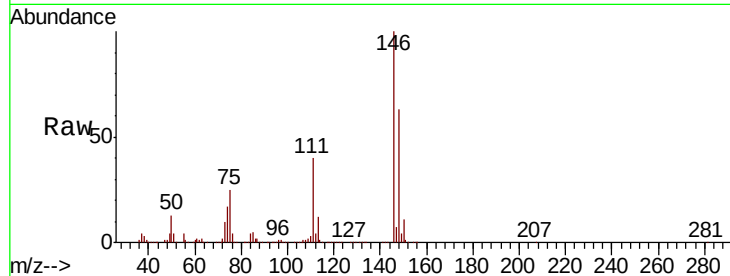
ClientSampleId :

VW0830SBS01

Tot Ion:	146	Resp:	277670
Ion Ratio		Lower	Upper
146	100		
111	40.0	19.9	59.7
148	63.5	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.61 ug/l

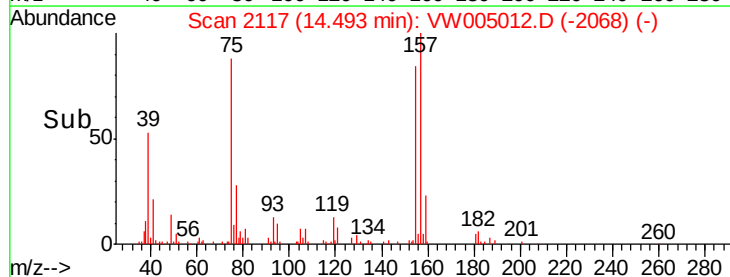
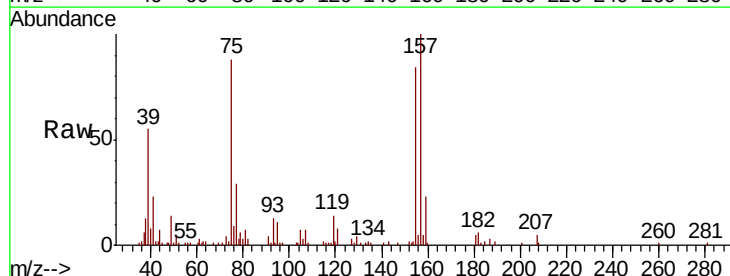
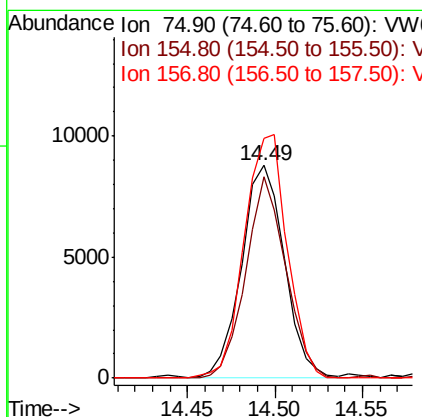
RT: 14.49 min Scan# 2117

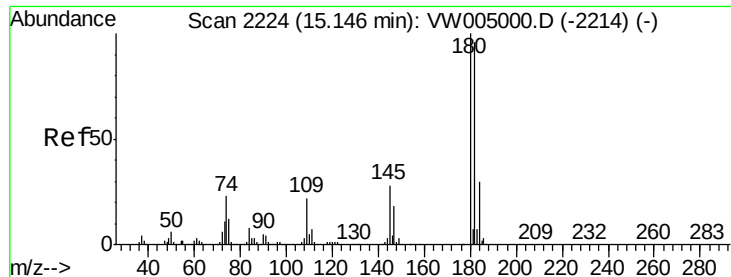
Delta R.T. -0.00 min

Lab File: VW005012.D

Acq: 30 Aug 2018 12:35

Tgt Ion:	75	Resp:	15107
Ion Ratio		Lower	Upper
75	100		
155	88.1	46.1	138.2
157	114.3	58.7	176.1





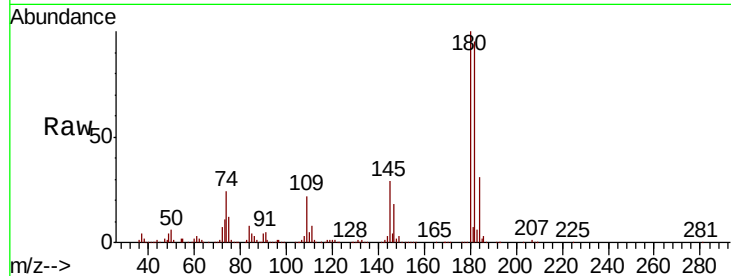
#93
 1,2,4-Trichlorobenzene
 Concen: 19.62 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

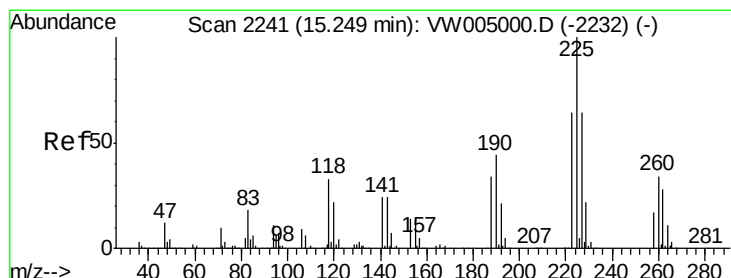
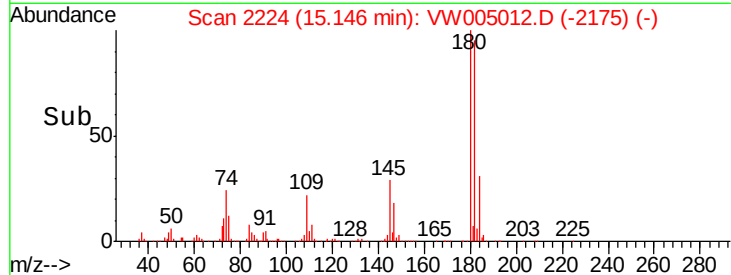
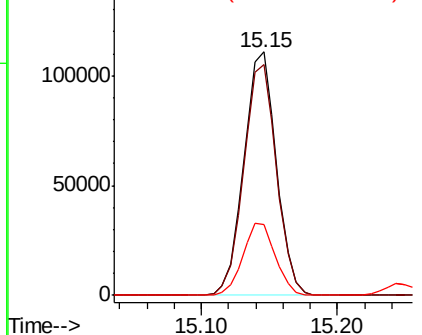
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	47.6	142.8	
145	29.8	14.3	42.9	

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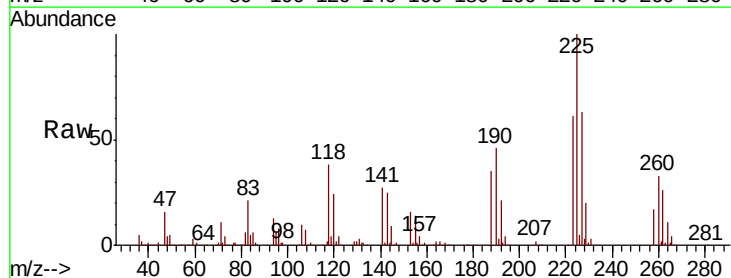


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

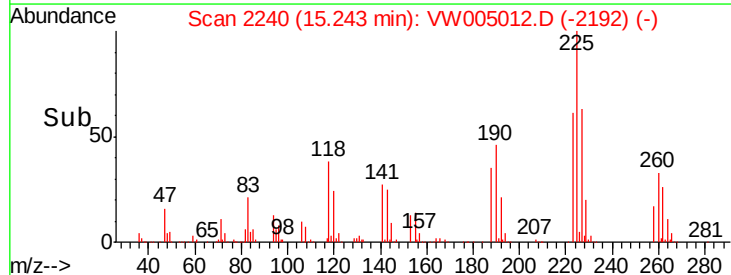
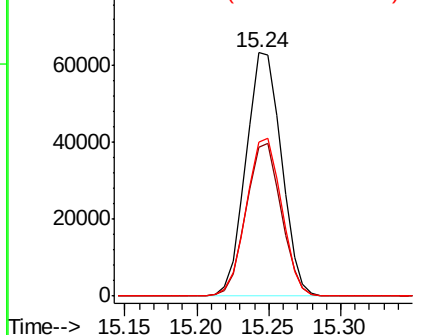


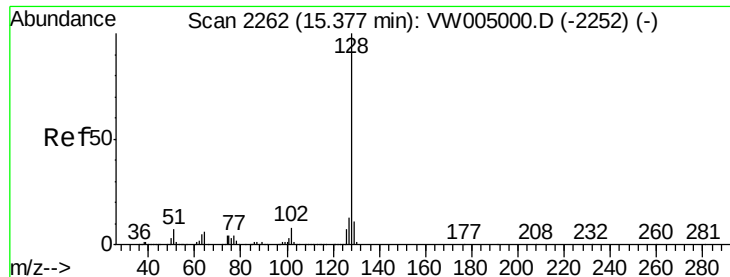
#94
 Hexachlorobutadiene
 Concen: 18.29 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW005012.D
 Acq: 30 Aug 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	32.0	96.0	
227	64.6	31.9	95.7	



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





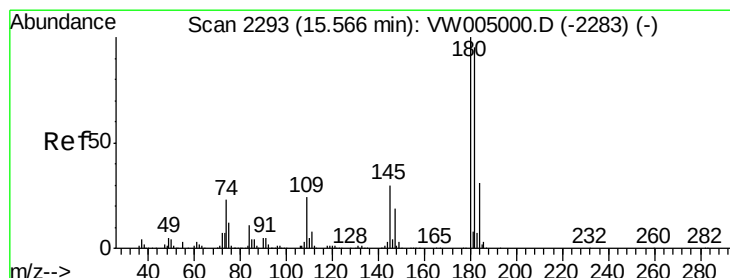
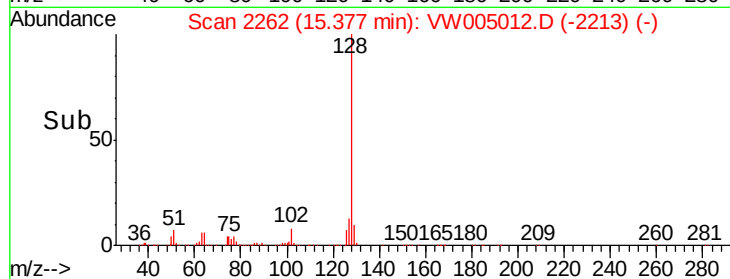
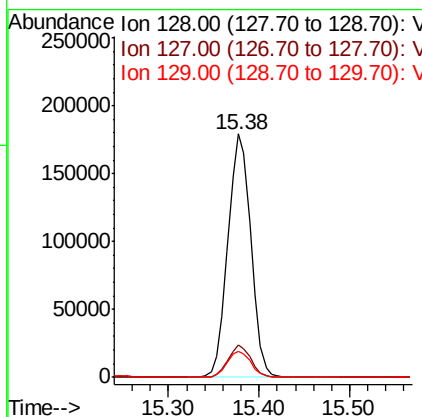
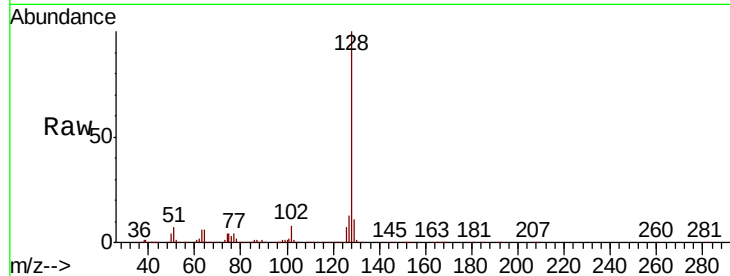
#95
Naphthalene
Concen: 20.60 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion:	128	Resp:	315213
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

apatel
8/31/2018 11:39:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.61 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW005012.D
Acq: 30 Aug 2018 12:35

Tgt Ion:	180	Resp:	163723
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.6	142.8
145	31.6	15.1	45.3

