

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004745.D
 Acq On : 17 Aug 2018 21:04
 Operator : SY/AP
 Sample : VW0819SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Manual Integrations
 APPROVED

apatel
 8/20/2018 9:54:21 AM

Quant Time: Aug 18 02:53:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	644992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1008167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	951749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	506589	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	324410	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	7.88	113	323671	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.33	98	1265643	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.62	95	460157	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	91081	21.32	ug/l	99
3) Chloromethane	2.22	50	110119	19.71	ug/l	99
4) Vinyl Chloride	2.37	62	169768	20.65	ug/l	100
5) Bromomethane	2.78	94	104285	20.54	ug/l	98
6) Chloroethane	2.92	64	99496	20.05	ug/l	99
7) Trichlorofluoromethane	3.25	101	64534	16.66	ug/l	94
8) Diethyl Ether	3.68	74	73223	20.91	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	133313	19.99	ug/l	99
10) Methyl Iodide	4.26	142	205859	20.32	ug/l	100
11) Tert butyl alcohol	5.18	59	45758	131.34	ug/l	98
12) 1,1-Dichloroethene	4.03	96	135965	20.46	ug/l	98
13) Acrolein	3.89	56	51487	110.13	ug/l	98
14) Allyl chloride	4.66	41	199435	19.77	ug/l	99
15) Acrylonitrile	5.37	53	161635	110.05	ug/l	99
16) Acetone	4.12	43	164273	103.20	ug/l	98
17) Carbon Disulfide	4.38	76	438863	20.09	ug/l	100
18) Methyl Acetate	4.67	43	75192	22.04	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	182190	21.12	ug/l	99
20) Methylene Chloride	4.92	84	174365	21.53	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	143599	20.30	ug/l	95
22) Diisopropyl ether	6.31	45	416699	21.49	ug/l	98
23) Vinyl Acetate	6.26	43	1161132	105.88	ug/l	98
24) 1,1-Dichloroethane	6.21	63	258769	20.54	ug/l	99
25) 2-Butanone	7.18	43	248555	109.59	ug/l	99
26) 2,2-Dichloropropane	7.17	77	139606	19.18	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	155296	20.40	ug/l	97
28) Bromochloromethane	7.51	49	111405	21.00	ug/l	98
29) Tetrahydrofuran	7.54	42	127746	110.45	ug/l	99
30) Chloroform	7.68	83	254842	20.57	ug/l	98
31) Cyclohexane	7.96	56	239435	19.65	ug/l	# 94
32) 1,1,1-Trichloroethane	7.87	97	197939	20.15	ug/l	99
36) 1,1-Dichloropropene	8.09	75	201293	19.38	ug/l	99
37) Ethyl Acetate	7.26	43	87977	21.25	ug/l	99
38) Carbon Tetrachloride	8.07	117	184963	19.35	ug/l	98

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Quant Time: Aug 18 02:53:50 2018
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 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	246905	19.01	ug/l	99
40) Benzene	8.32	78	603171	19.98	ug/l	100
41) Methacrylonitrile	7.49	41	51021	21.71	ug/l	99
42) 1,2-Dichloroethane	8.40	62	159252	20.58	ug/l	100
43) Isopropyl Acetate	8.43	43	151121	20.32	ug/l	99
44) Trichloroethene	9.09	130	151626	19.79	ug/l	98
45) 1,2-Dichloropropane	9.37	63	149844	20.30	ug/l	99
46) Dibromomethane	9.46	93	74393	20.34	ug/l	100
47) Bromodichloromethane	9.65	83	174044	19.92	ug/l	98
48) Methyl methacrylate	9.44	41	72734	20.84	ug/l	98
49) 1,4-Dioxane	9.45	88	23422	438.30	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	533319	106.11	ug/l	99
52) Toluene	10.39	92	367645	20.31	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	171932	19.54	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	209448	19.96	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	105292	20.25	ug/l	99
56) Ethyl methacrylate	10.65	69	124783	20.26	ug/l	99
57) 1,3-Dichloropropane	10.94	76	183446	20.44	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	324234	112.92	ug/l	98
59) 2-Hexanone	10.98	43	360547	105.87	ug/l	99
60) Dibromochloromethane	11.13	129	117715	20.18	ug/l	98
61) 1,2-Dibromoethane	11.24	107	101163	20.36	ug/l	99
64) Tetrachloroethene	10.87	164	131405	20.20	ug/l	98
65) Chlorobenzene	11.66	112	404183	19.73	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	134374	19.43	ug/l	99
67) Ethyl Benzene	11.74	91	674872	19.43	ug/l	99
68) m/p-Xylenes	11.85	106	537814	39.81	ug/l	99
69) o-Xylene	12.17	106	248744	19.89	ug/l	98
70) Styrene	12.19	104	421637	20.07	ug/l	100
71) Bromoform	12.35	173	71578	19.61	ug/l #	97
73) Isopropylbenzene	12.47	105	676612	19.63	ug/l	100
74) N-amyl acetate	12.28	43	145741	20.62	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	130766	20.48	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	104872m	23.48	ug/l	
77) Bromobenzene	12.75	156	166794	19.99	ug/l	100
78) n-propylbenzene	12.81	91	847867	20.16	ug/l	100
79) 2-Chlorotoluene	12.90	91	484169	19.97	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	594174	20.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	37552	19.54	ug/l	99
82) 4-Chlorotoluene	12.99	91	520922	20.23	ug/l	99
83) tert-Butylbenzene	13.21	119	491720	19.63	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	615714	20.44	ug/l	99
85) sec-Butylbenzene	13.39	105	739520	19.78	ug/l	100
86) p-Isopropyltoluene	13.51	119	643124	19.77	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	341571	20.13	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	340412	20.07	ug/l	99
89) n-Butylbenzene	13.84	91	610134	19.40	ug/l	100
90) Hexachloroethane	14.10	117	113385	19.12	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	306663	20.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20632	20.68	ug/l	99

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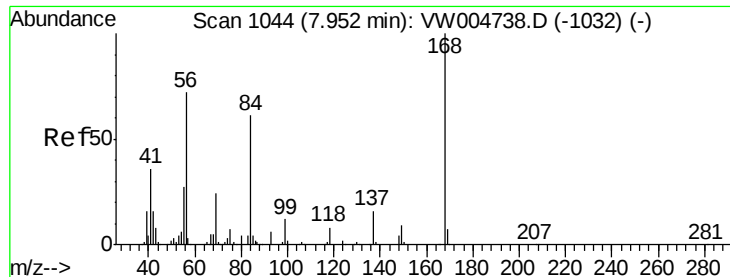
Manual Integrations
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QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	218714	20.29	ug/l	99
94) Hexachlorobutadiene	15.24	225	128631	19.44	ug/l	99
95) Naphthalene	15.38	128	381921	20.51	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	199059	20.82	ug/l	100

(#) = 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. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion:168 Resp: 644992

Ion Ratio Lower Upper

168 100

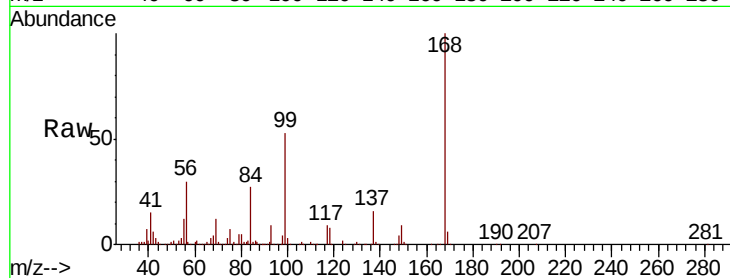
99 52.6 41.0 61.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

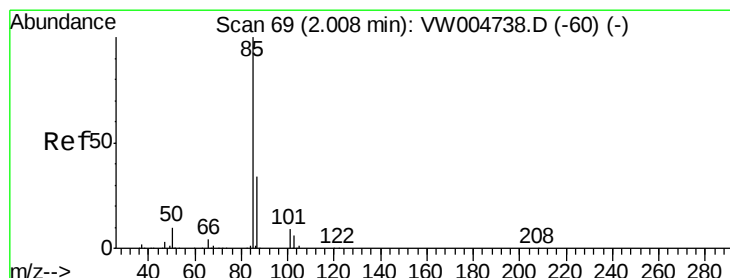
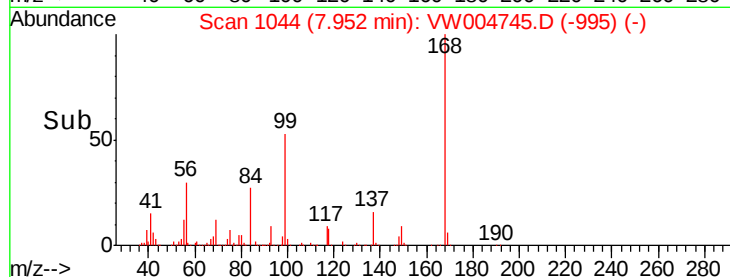
200000

100000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.32 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004745.D

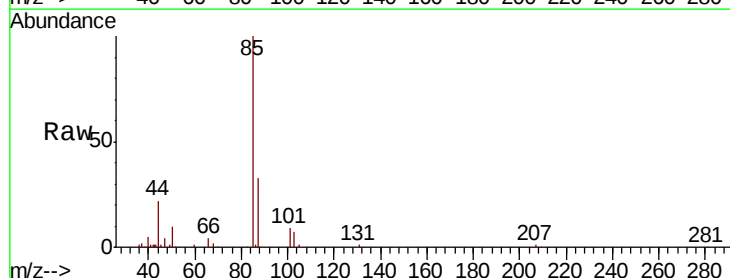
Acq: 17 Aug 2018 21:04

Tgt Ion: 85 Resp: 91081

Ion Ratio Lower Upper

85 100

87 32.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

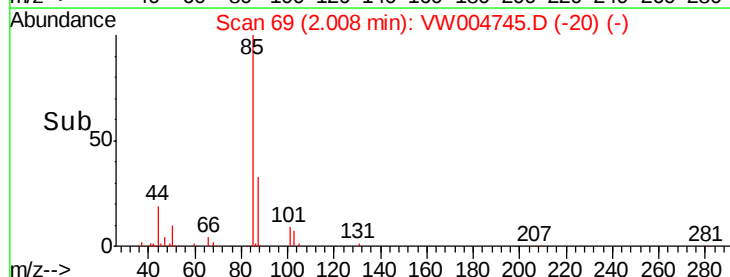
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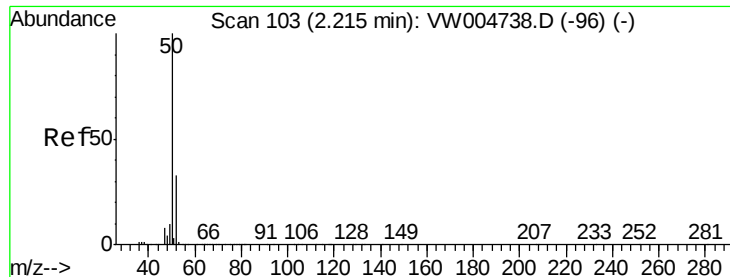
5000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 19.71 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 50 Resp: 110119

Ion Ratio Lower Upper

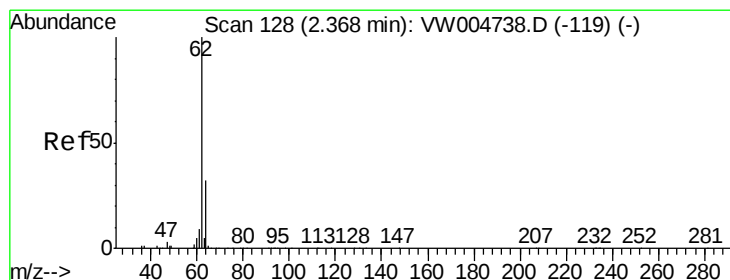
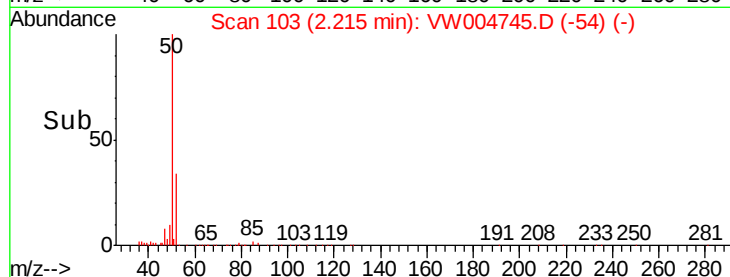
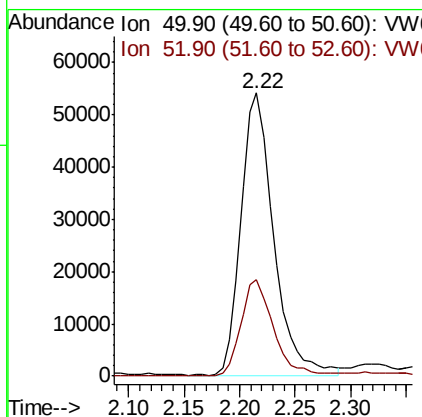
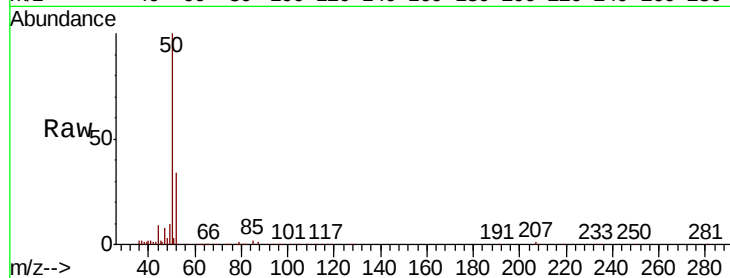
50 100

52 34.2 26.7 40.1

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#4

Vinyl Chloride

Concen: 20.65 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004745.D

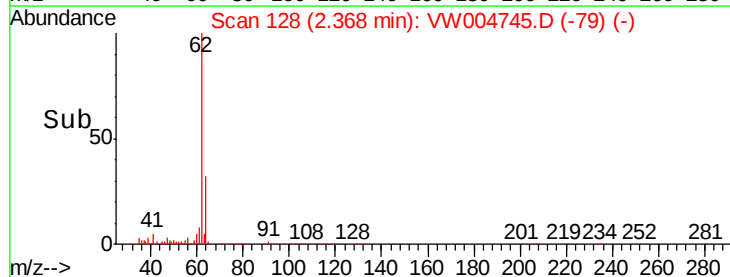
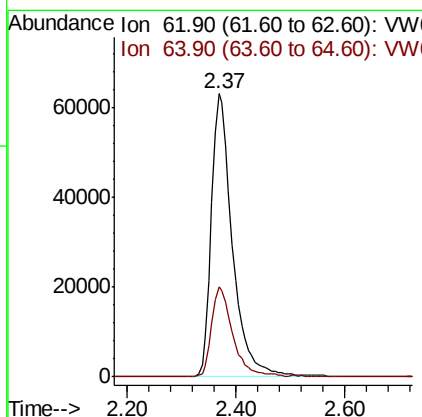
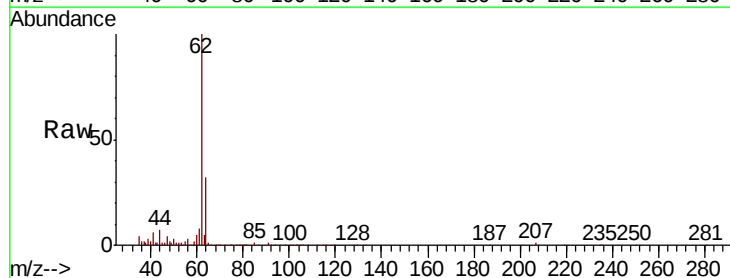
Acq: 17 Aug 2018 21:04

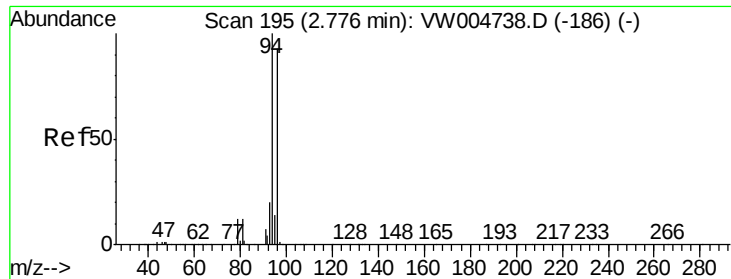
Tgt Ion: 62 Resp: 169768

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 20.54 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 94 Resp: 104285

Ion Ratio Lower Upper

94 100

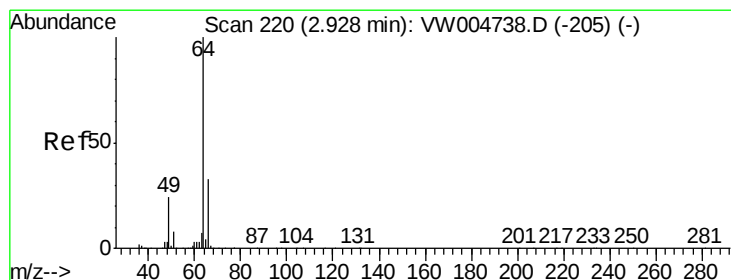
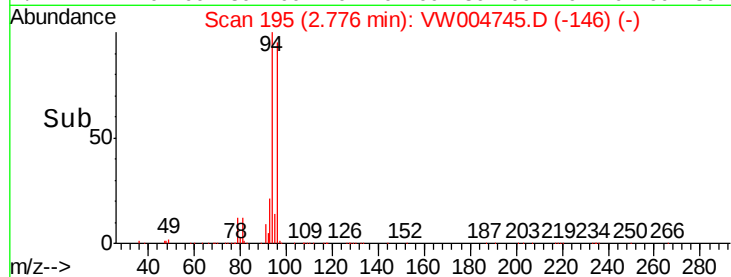
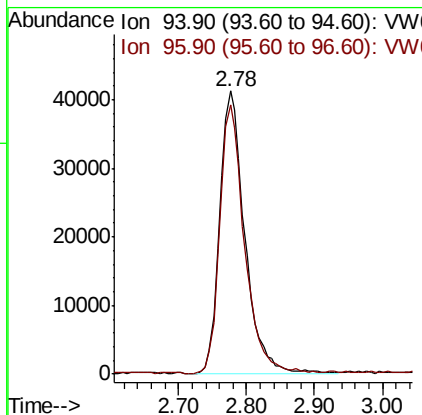
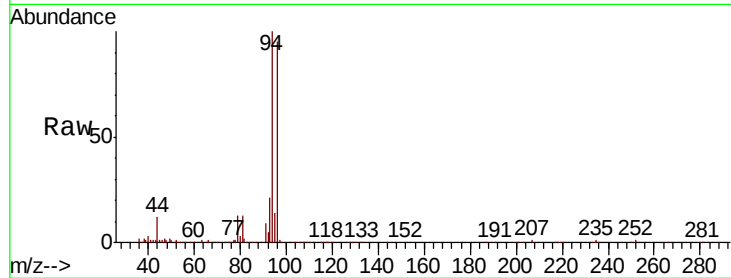
96 95.0 74.3 111.5

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#6

Chloroethane

Concen: 20.05 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004745.D

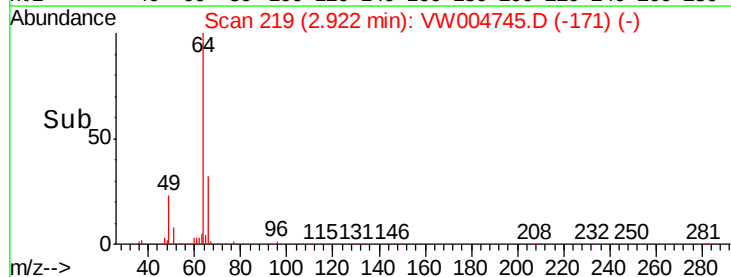
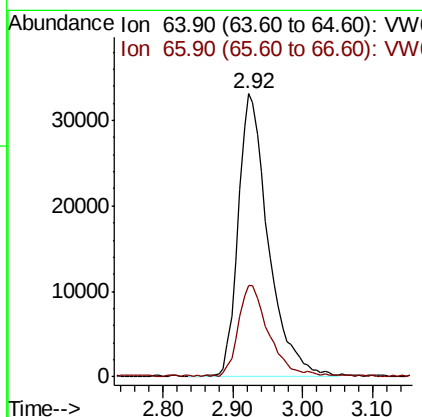
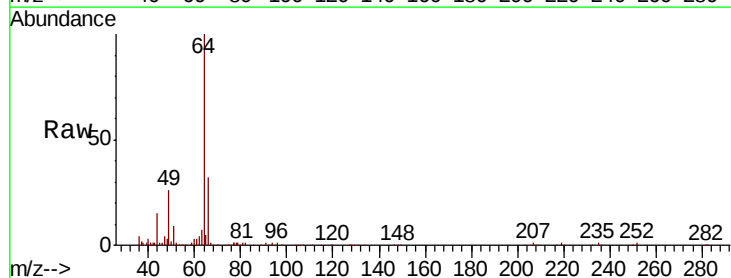
Acq: 17 Aug 2018 21:04

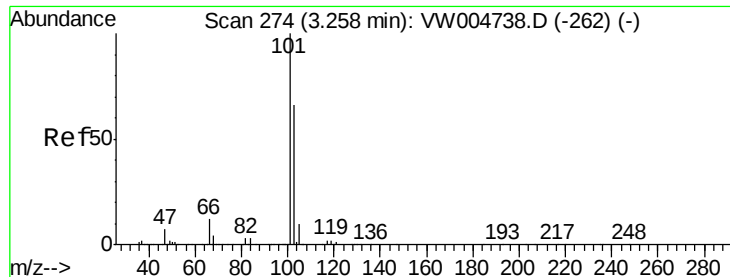
Tgt Ion: 64 Resp: 99496

Ion Ratio Lower Upper

64 100

66 32.0 26.1 39.1





#7

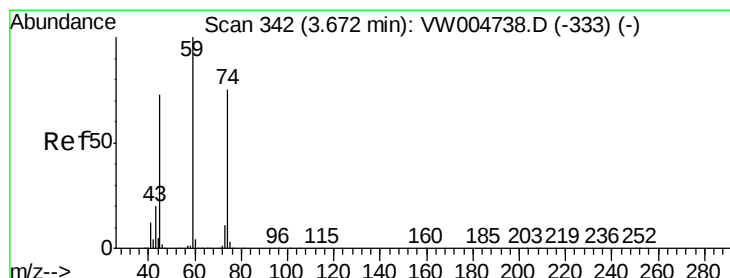
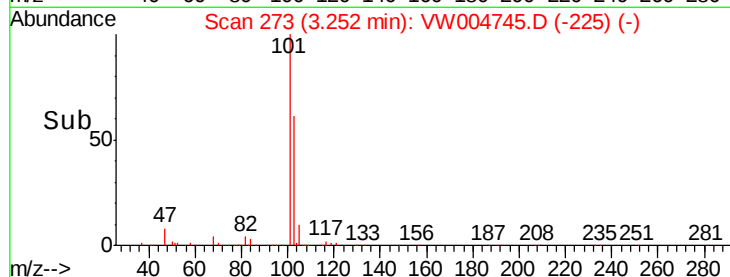
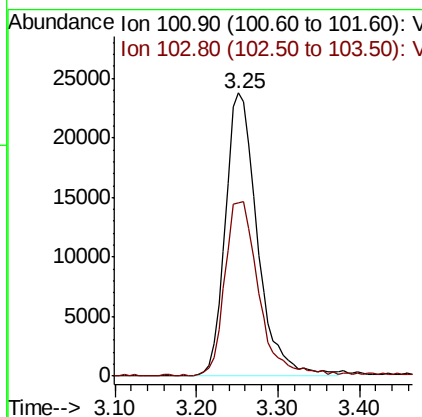
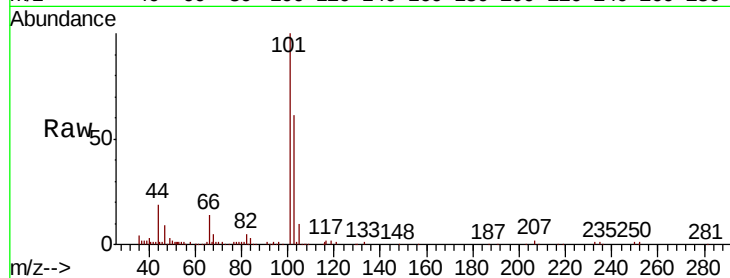
Trichlorofluoromethane
Concen: 16.66 ug/l
RT: 3.25 min Scan# 273
Delta R.T. -0.01 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

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ClientSampleId :
VW0819SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	52.5	78.7

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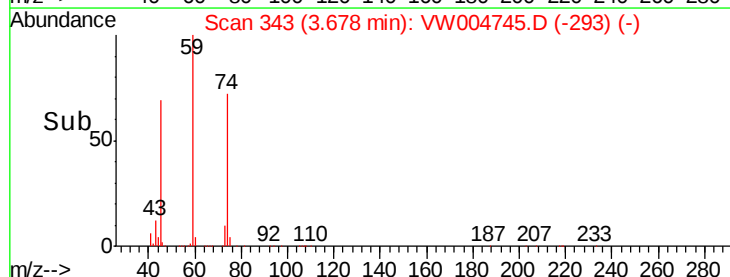
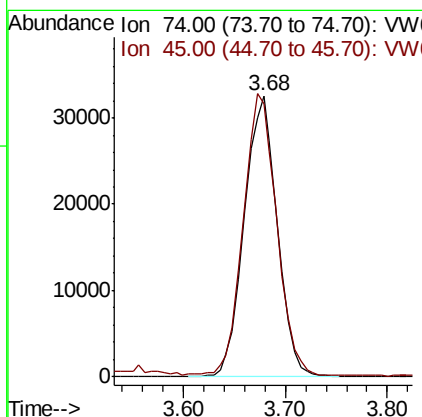
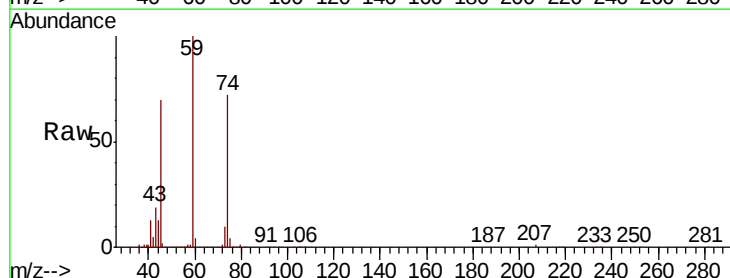
apatel
8/20/2018 9:54:21 AM

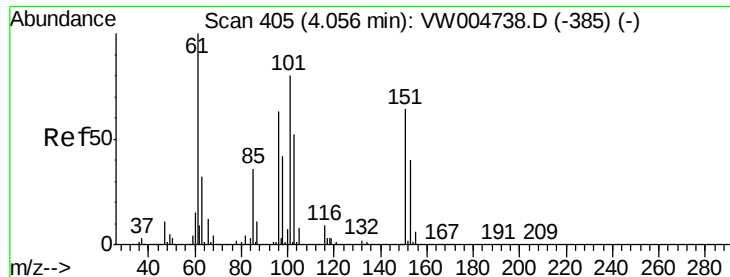


#8

Diethyl Ether
Concen: 20.91 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.01 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.99 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

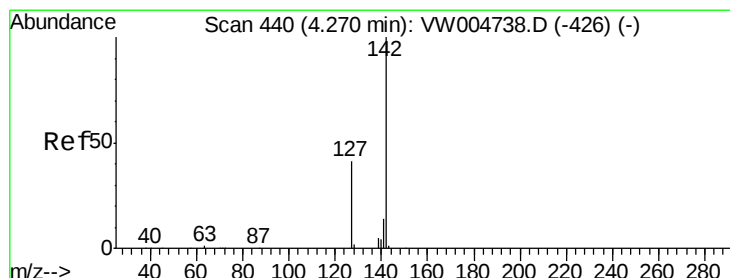
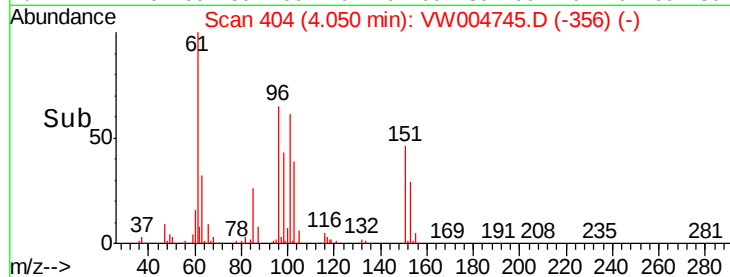
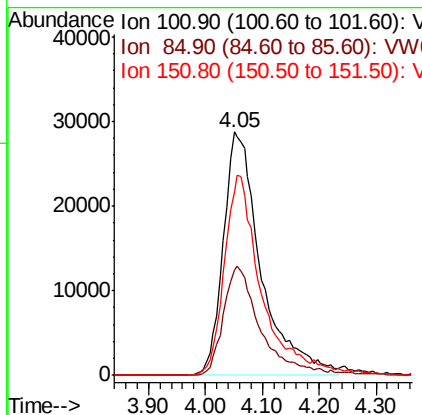
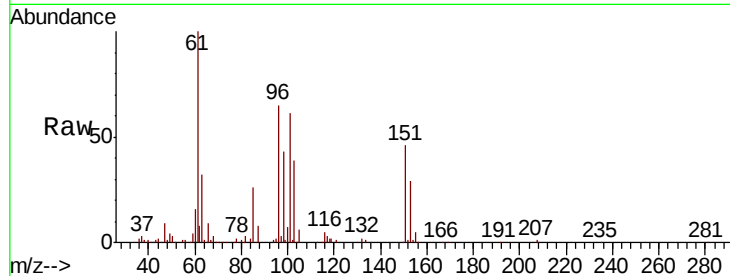
ClientSampleId :

VW0819SBS01

Tot Ion:	101	Resp:	133313
Ion Ratio	Lower	Upper	
101	100		
85	43.7	33.9	50.9
151	80.2	63.4	95.2

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#10

Methyl Iodide

Concen: 20.32 ug/l

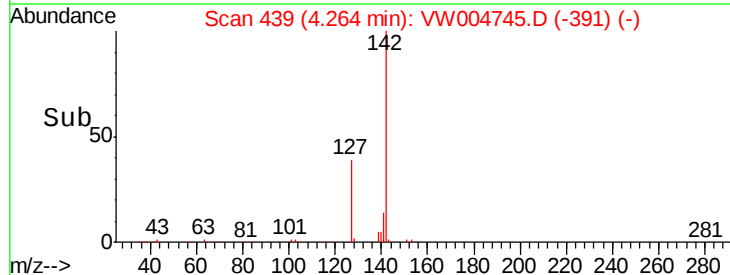
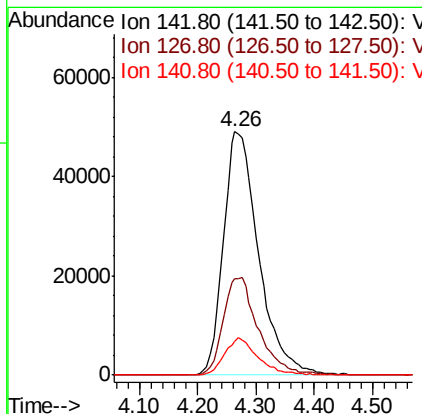
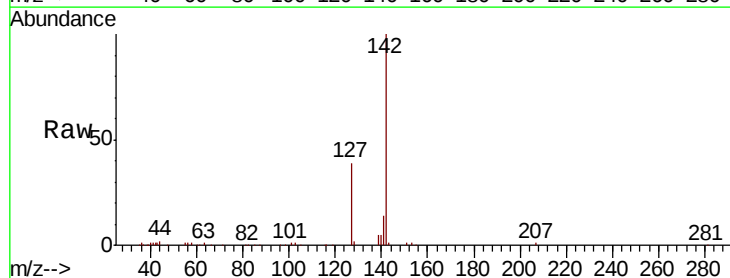
RT: 4.26 min Scan# 439

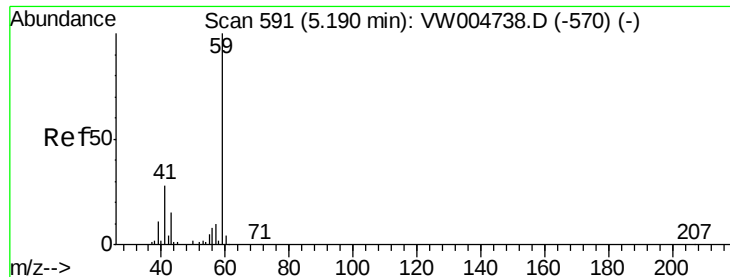
Delta R.T. -0.01 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Tgt Ion:	142	Resp:	205859
Ion Ratio	Lower	Upper	
142	100		
127	39.9	32.1	48.1
141	14.6	11.7	17.5





#11

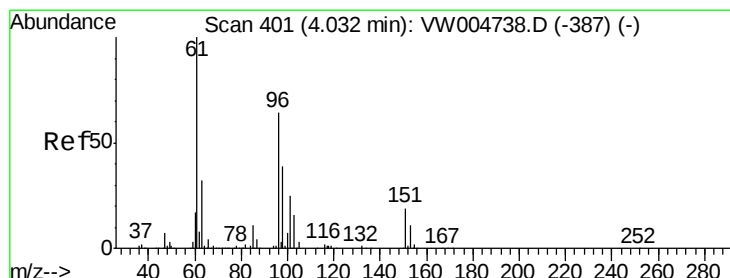
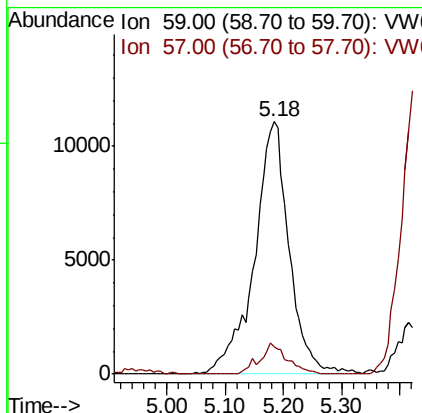
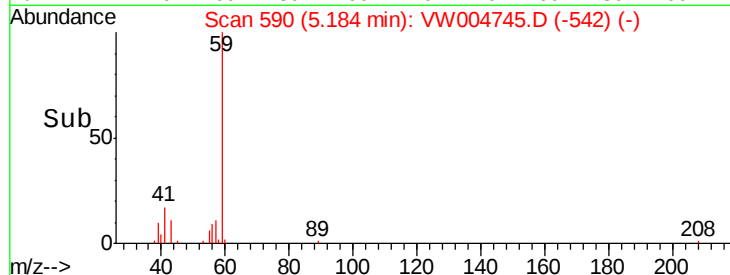
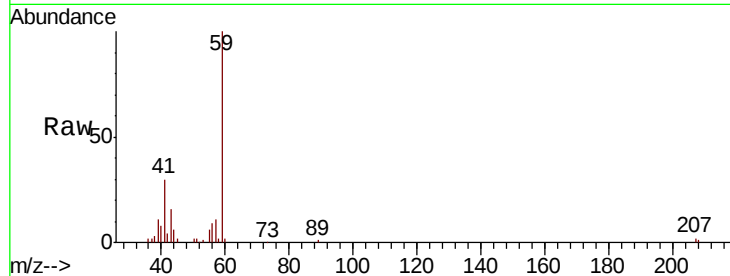
Tert butyl alcohol
 Concen: 131.34 ug/l
 RT: 5.18 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.4	12.6

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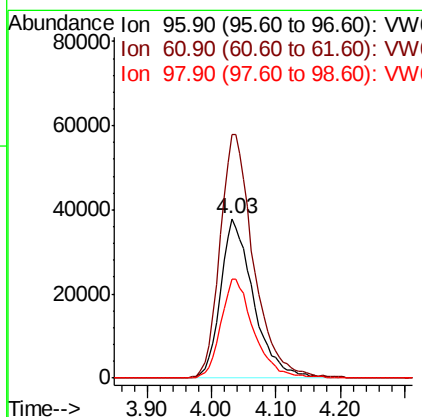
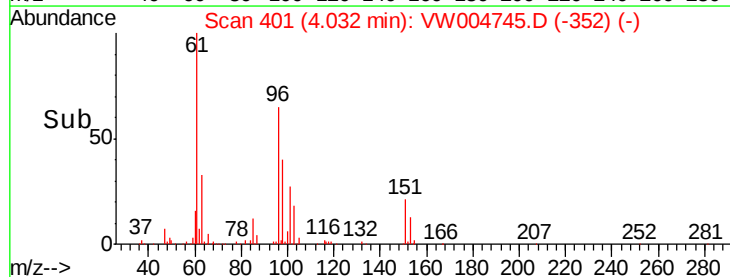
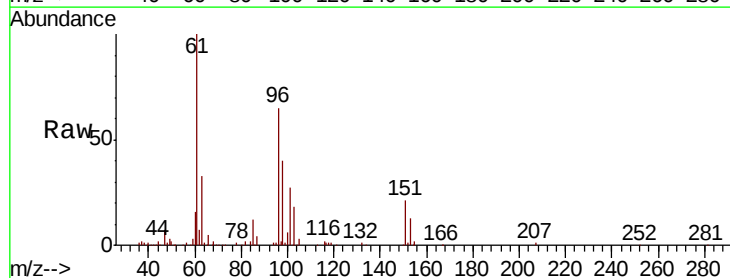
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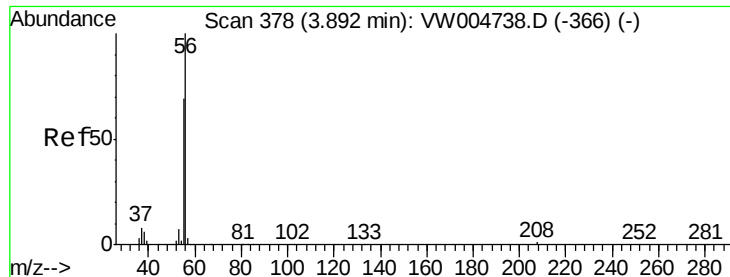


#12

1,1-Dichloroethene
 Concen: 20.46 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.7	125.6	188.4
98	61.9	49.4	74.0





#13

Acrolein

Concen: 110.13 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 56 Resp: 51487

Ion Ratio Lower Upper

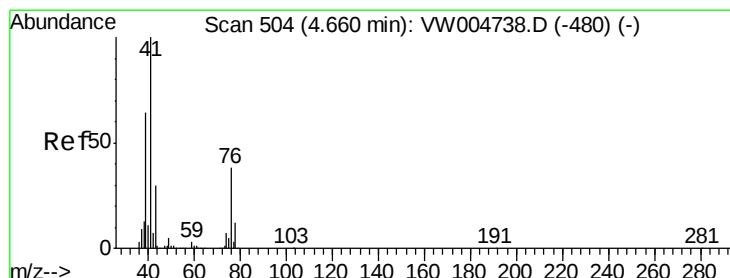
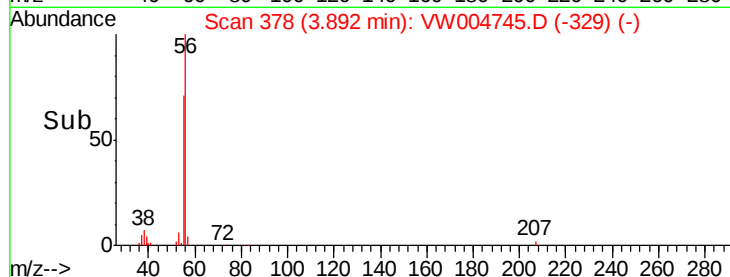
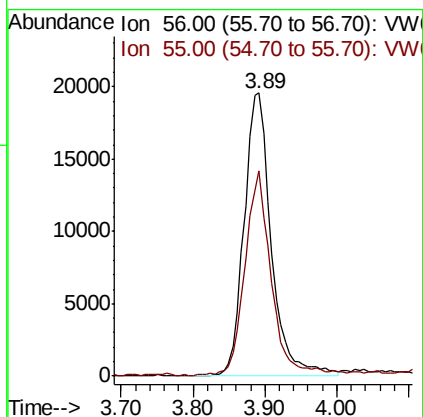
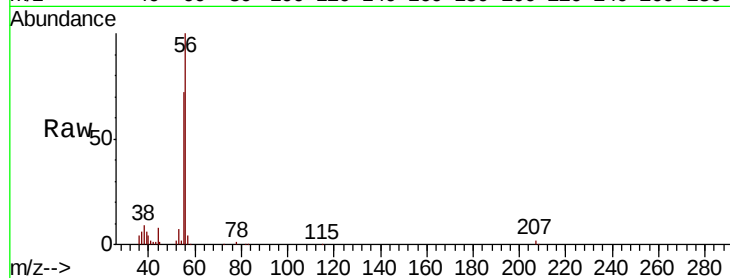
56 100

55 68.1 56.1 84.1

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#14

Allyl chloride

Concen: 19.77 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

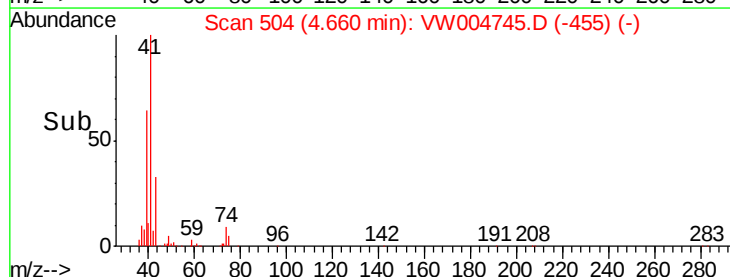
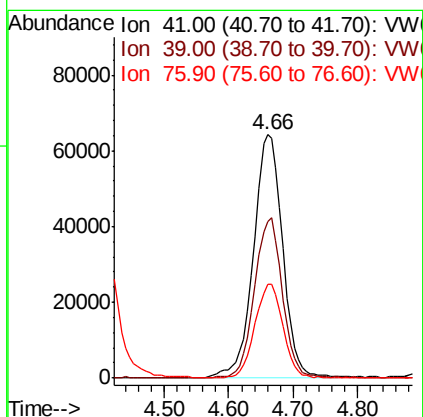
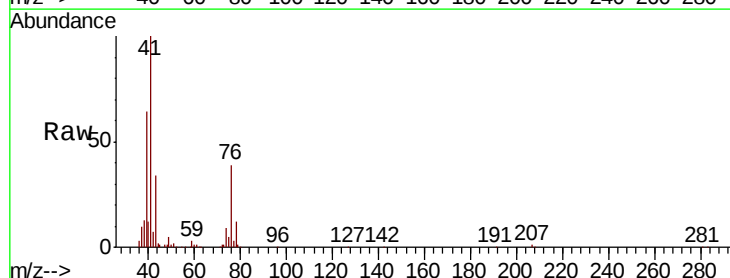
Tgt Ion: 41 Resp: 199435

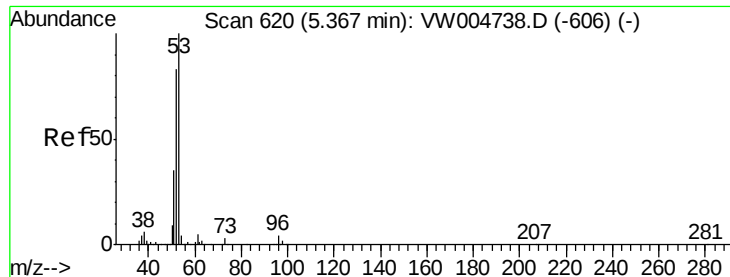
Ion Ratio Lower Upper

41 100

39 63.0 50.0 75.0

76 37.4 29.8 44.6





#15

Acrylonitrile

Concen: 110.05 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

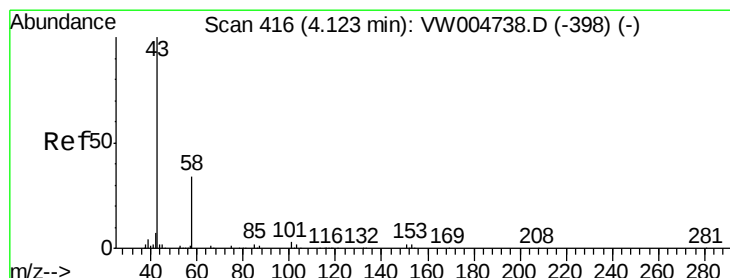
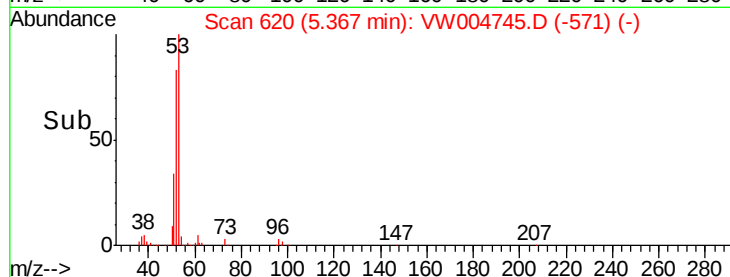
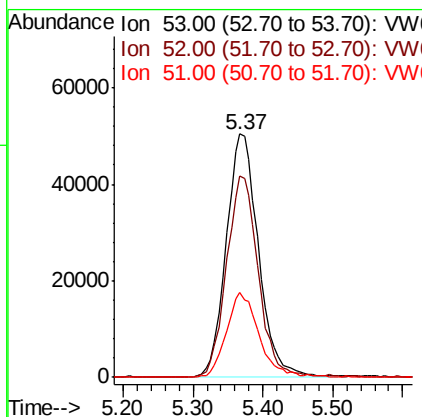
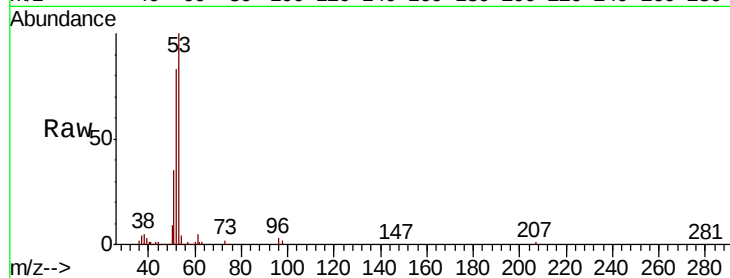
ClientSampled :

VW0819SBS01

Tot Ion:	53	Resp:	161635
Ion Ratio	Lower	Upper	
53	100		
52	81.3	65.8	98.6
51	35.2	28.7	43.1

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#16

Acetone

Concen: 103.20 ug/l

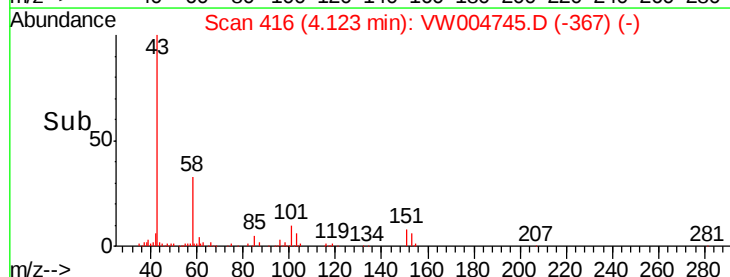
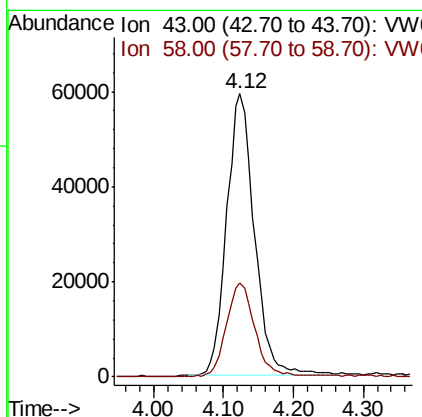
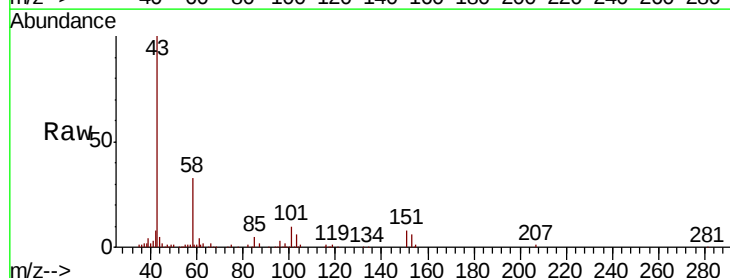
RT: 4.12 min Scan# 416

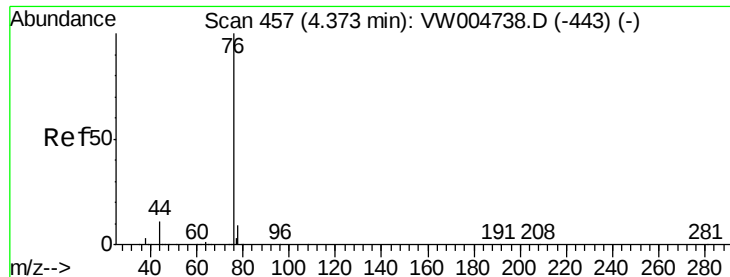
Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Tgt Ion:	43	Resp:	164273
Ion Ratio	Lower	Upper	
43	100		
58	33.0	27.3	40.9





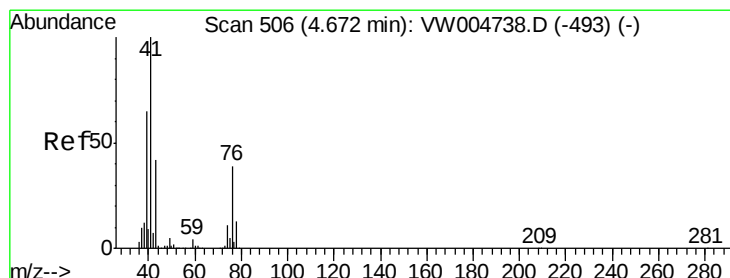
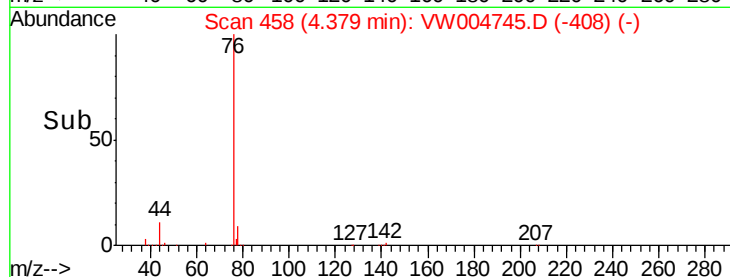
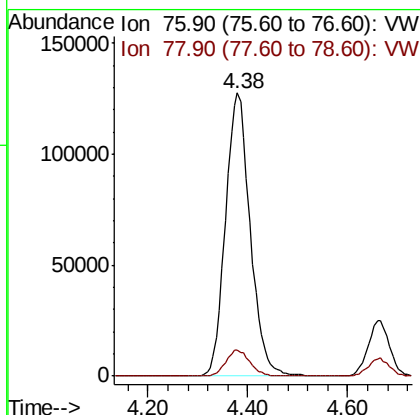
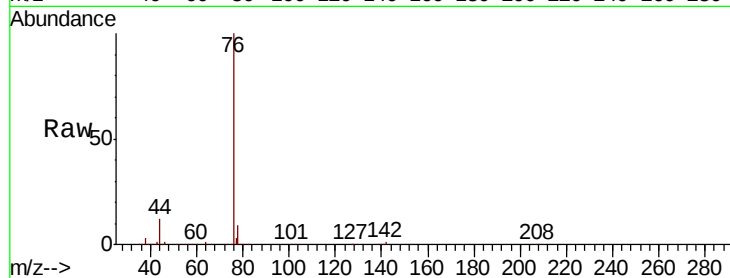
#17
Carbon Disulfide
Concen: 20.09 ug/l
RT: 4.38 min Scan# 458
Delta R.T. 0.01 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	438863		
78	9.3		7.4	11.2

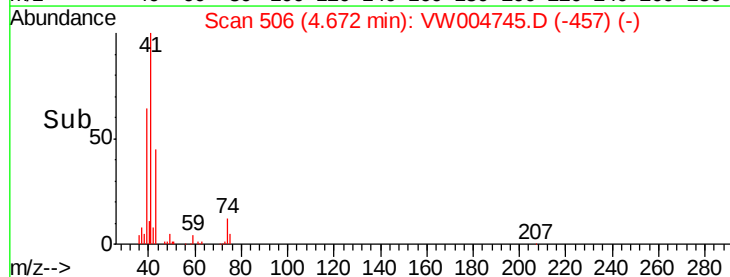
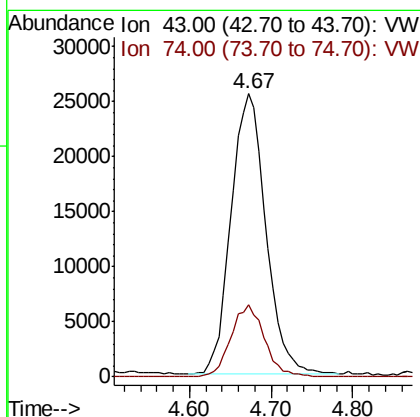
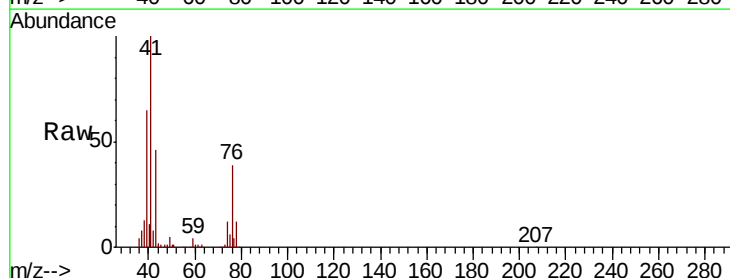
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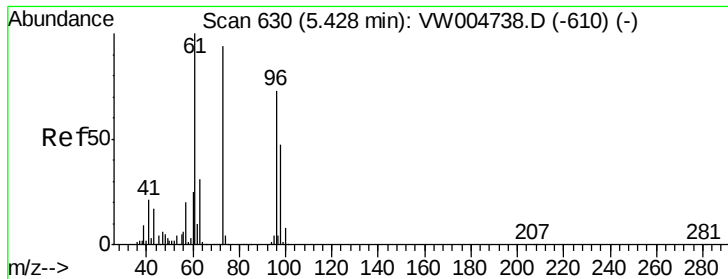
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#18
Methyl Acetate
Concen: 22.04 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	75192		
74	24.8		19.8	29.8





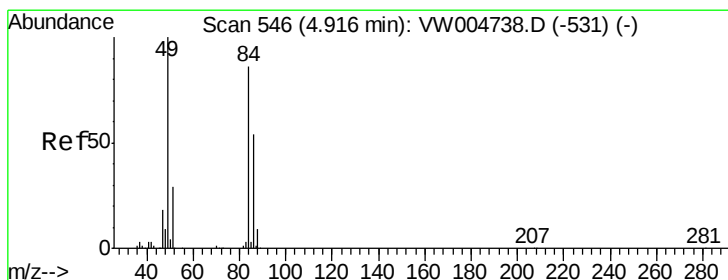
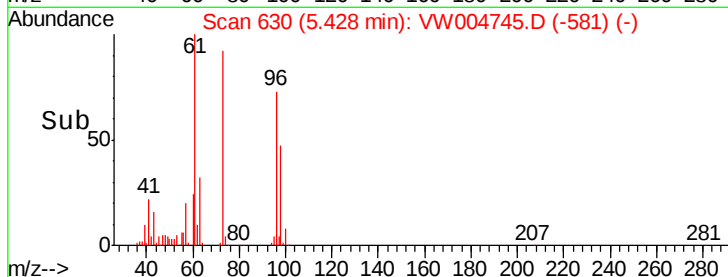
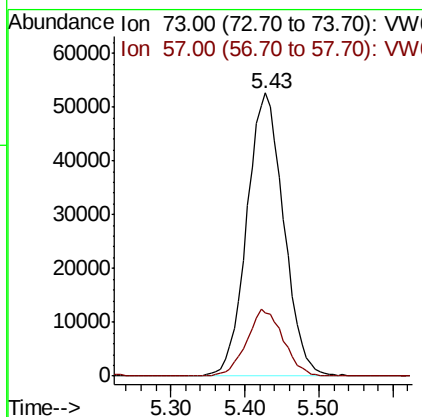
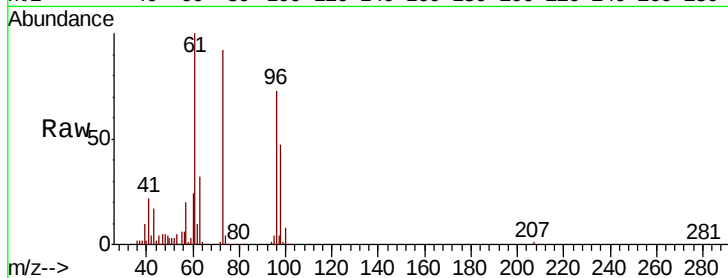
#19
Methvl tert-butvl Ether
Concen: 21.12 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion: 73 Resp: 182190
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9

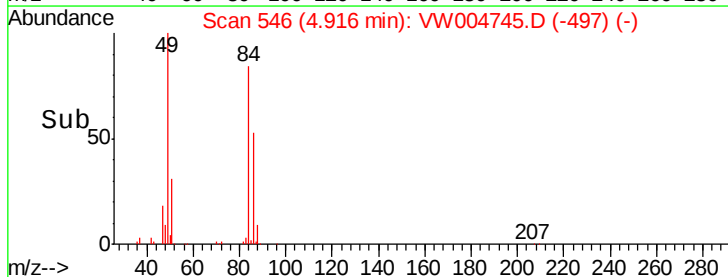
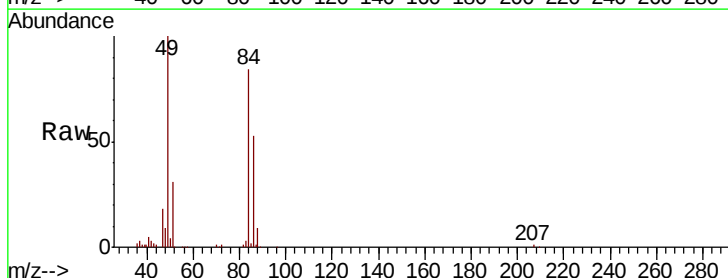
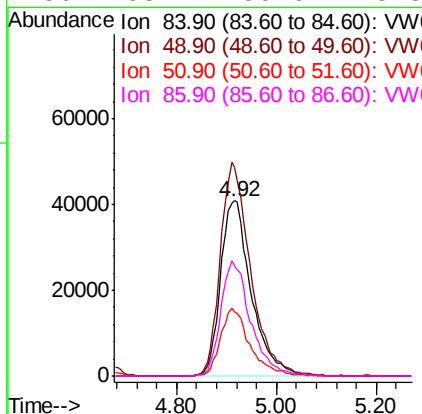
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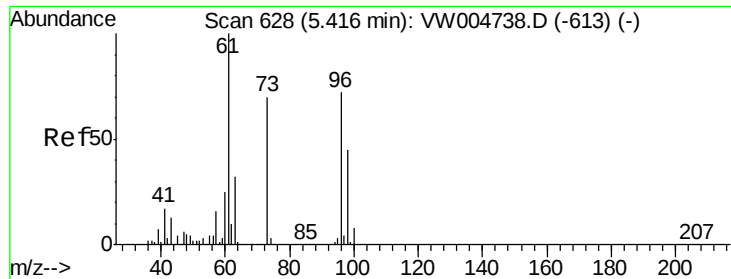
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#20
Methylene Chloride
Concen: 21.53 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion: 84 Resp: 174365
Ion Ratio Lower Upper
84 100
49 119.6 93.2 139.8
51 36.5 27.4 41.0
86 63.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.30 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

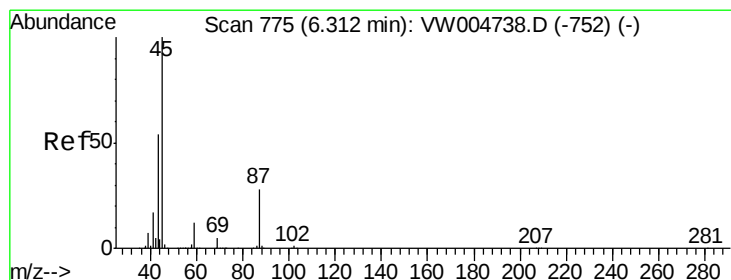
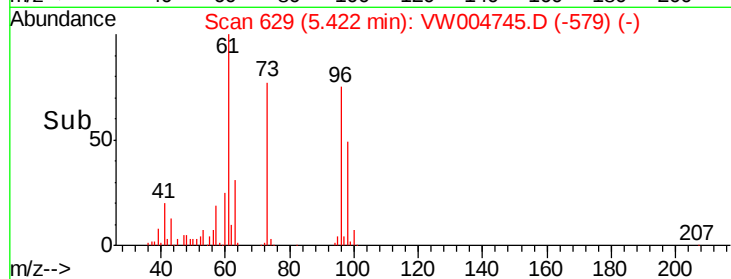
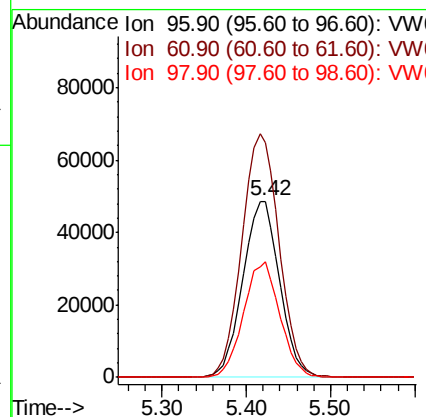
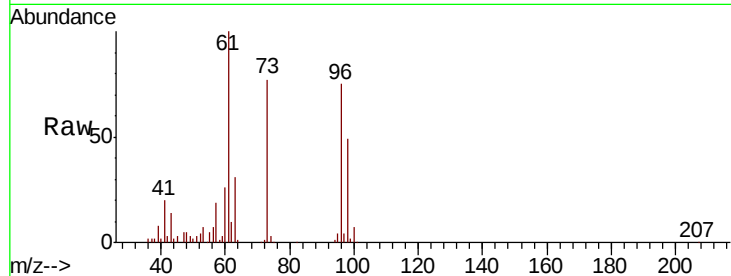
ClientSampleId :

VW0819SBS01

Tot Ion:	96	Resp:	143599
Ion	Ratio	Lower	Upper
96	100		
61	133.5	111.4	167.0
98	65.7	49.7	74.5

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#22

Diisopropyl ether

Concen: 21.49 ug/l

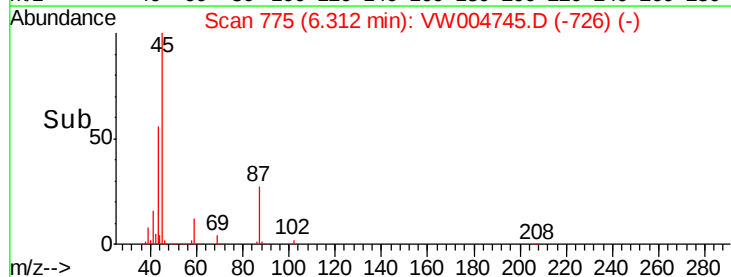
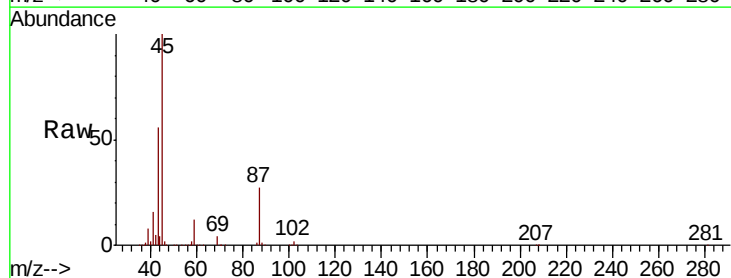
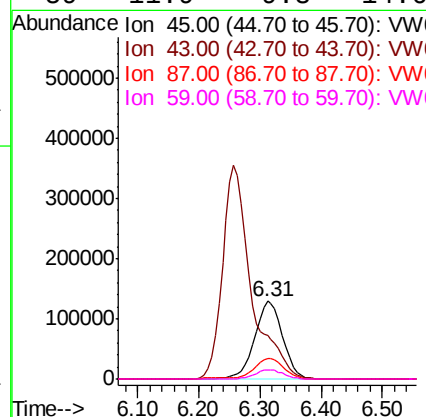
RT: 6.31 min Scan# 775

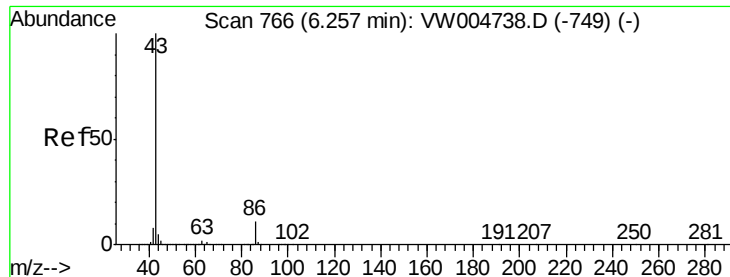
Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Tgt Ion:	45	Resp:	416699
Ion	Ratio	Lower	Upper
45	100		
43	55.4	43.0	64.6
87	26.8	22.2	33.4
59	11.9	9.8	14.6





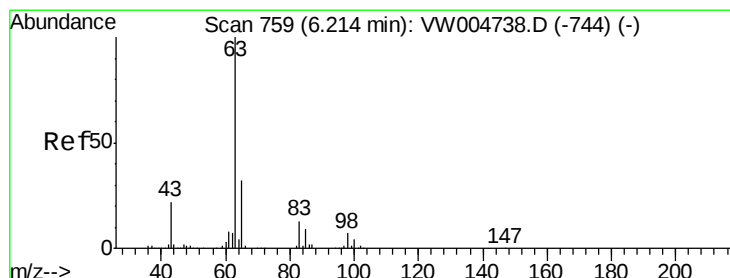
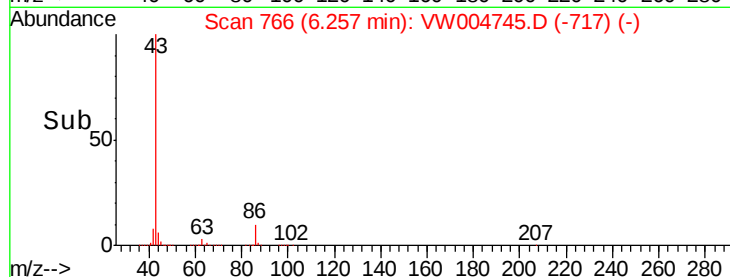
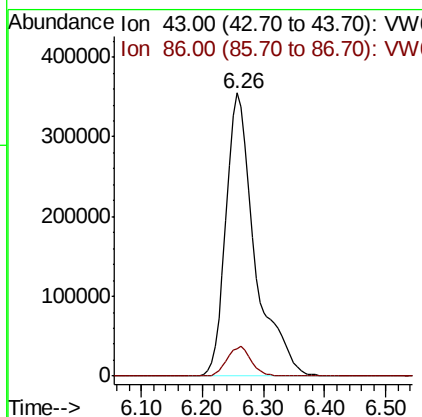
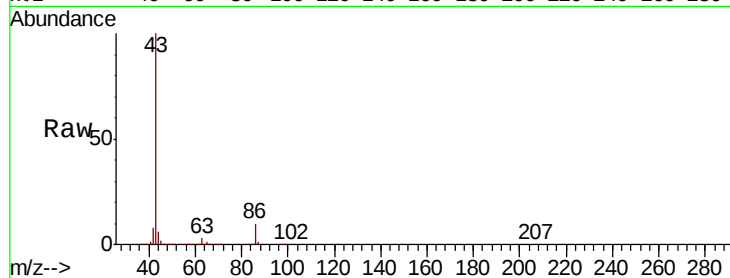
#23
 Vinyl Acetate
 Concen: 105.88 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion: 43 Resp: 1161132
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.5 12.7

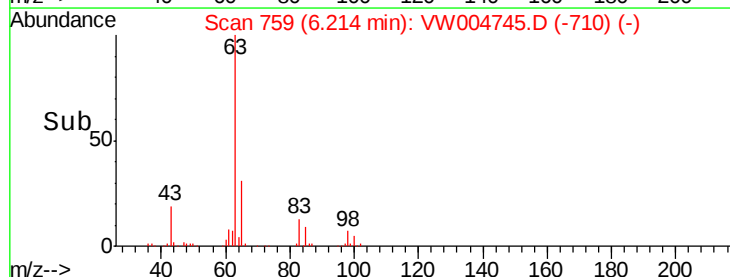
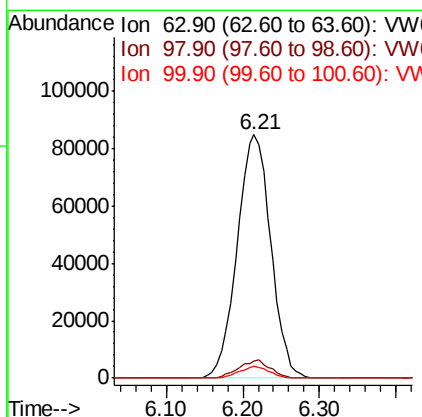
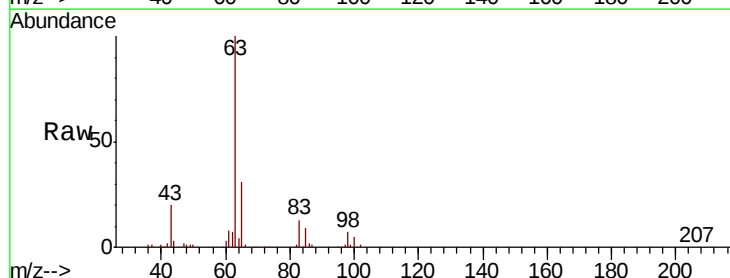
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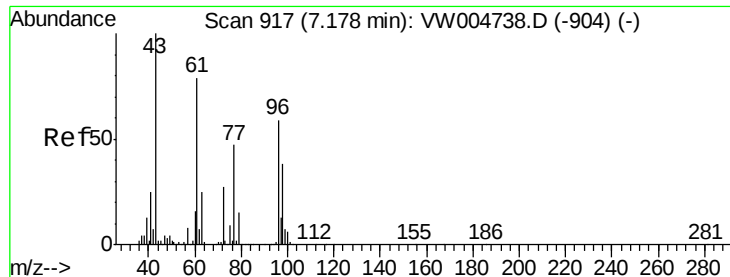
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#24
 1,1-Dichloroethane
 Concen: 20.54 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion: 63 Resp: 258769
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.4
 100 4.6 2.1 6.3





#25

2-Butanone

Concen: 109.59 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 43 Resp: 248555

Ion Ratio Lower Upper

43 100

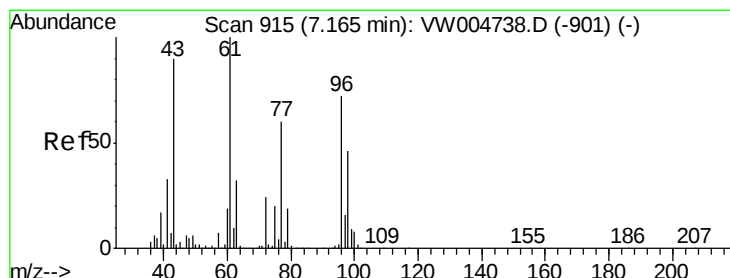
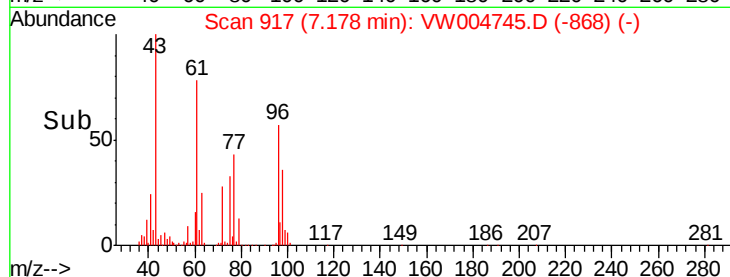
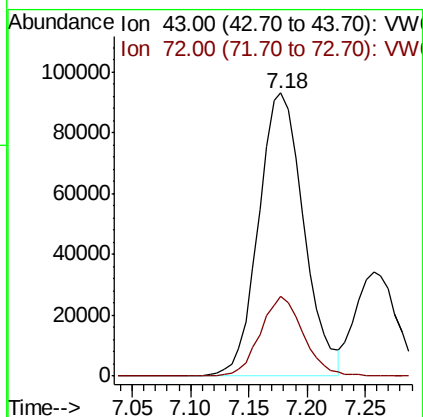
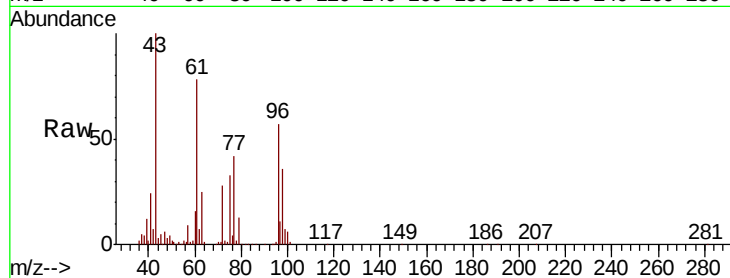
72 28.1 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 19.18 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004745.D

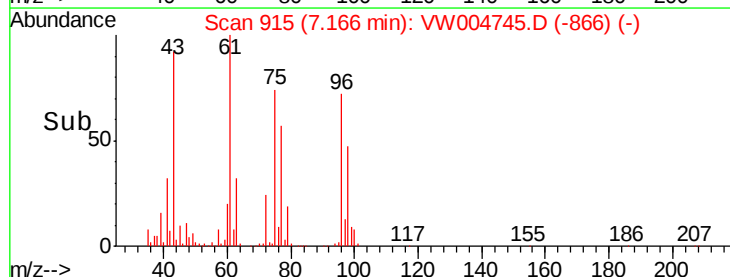
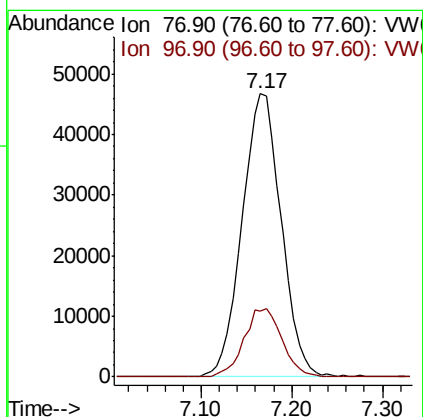
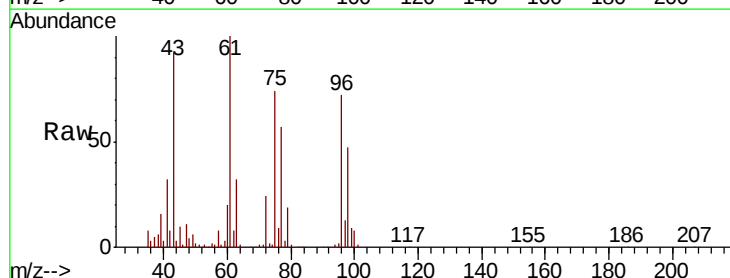
Acq: 17 Aug 2018 21:04

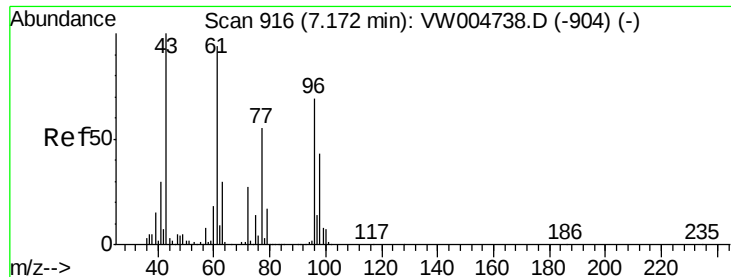
Tgt Ion: 77 Resp: 139606

Ion Ratio Lower Upper

77 100

97 23.4 12.6 37.8





#27

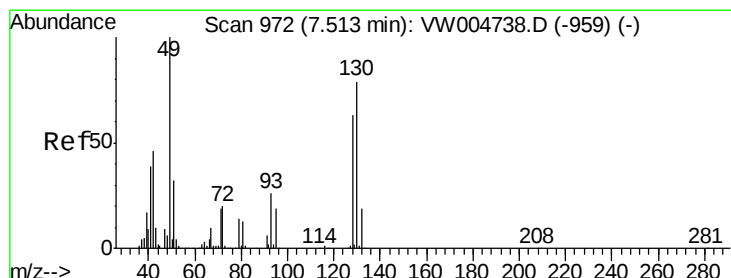
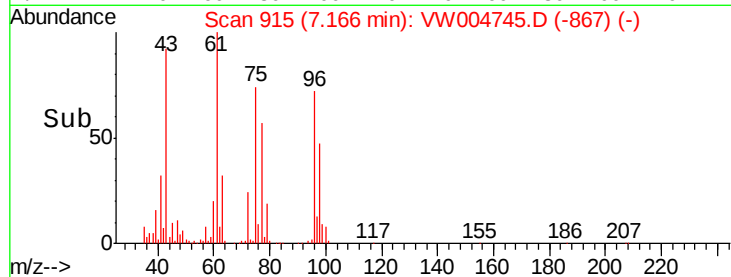
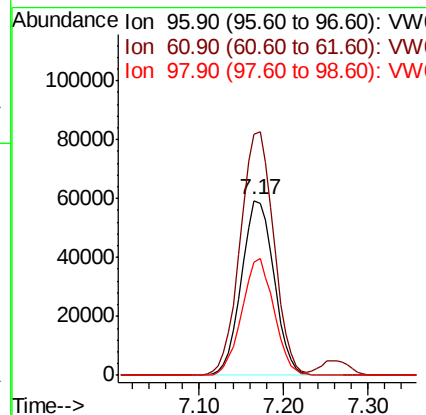
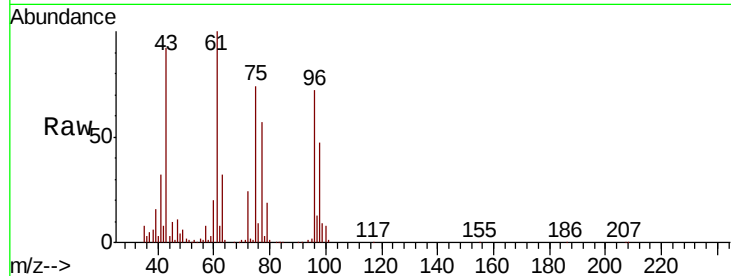
cis-1,2-Dichloroethene
 Concen: 20.40 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		155296		
61	143.4	0.0	277.6		
98	65.5	0.0	127.4		

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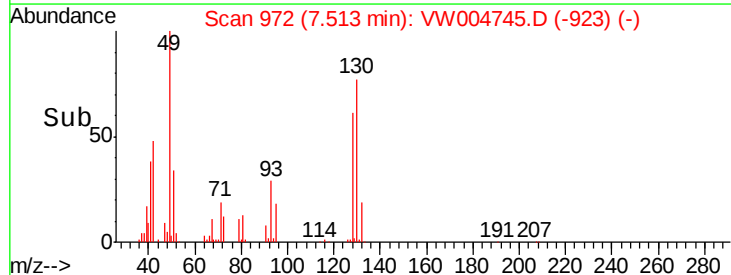
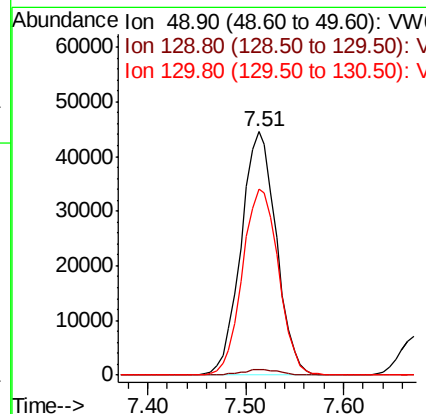
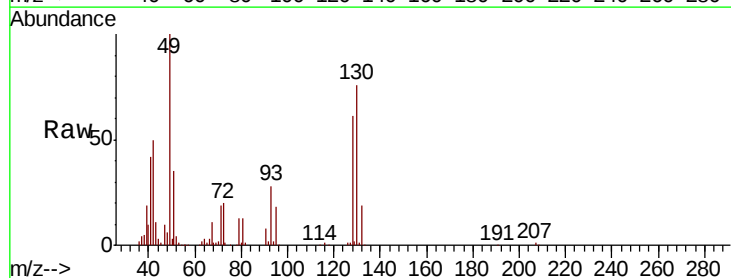
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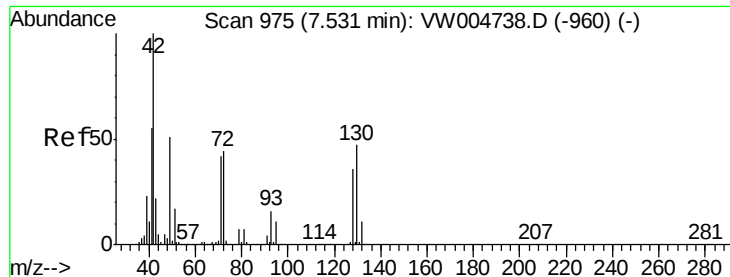


#28

Bromochloromethane
 Concen: 21.00 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		111405		
129	2.3	0.0	4.4		
130	78.2	63.7	95.5		





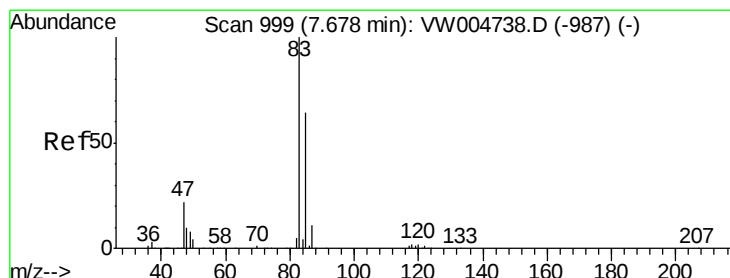
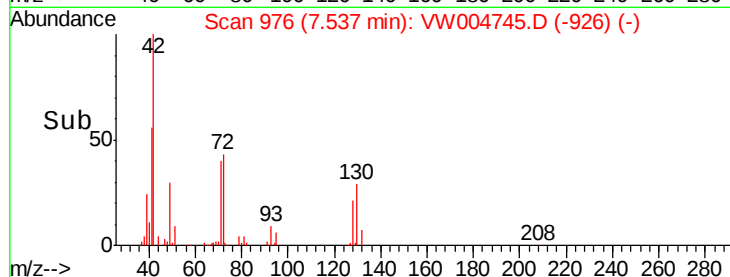
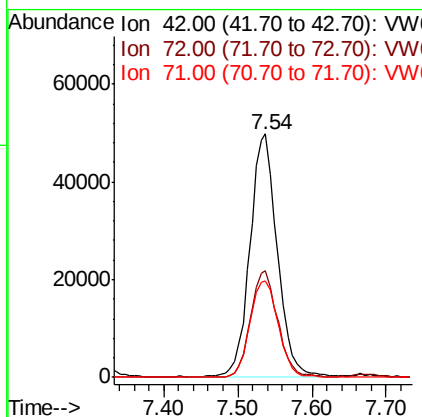
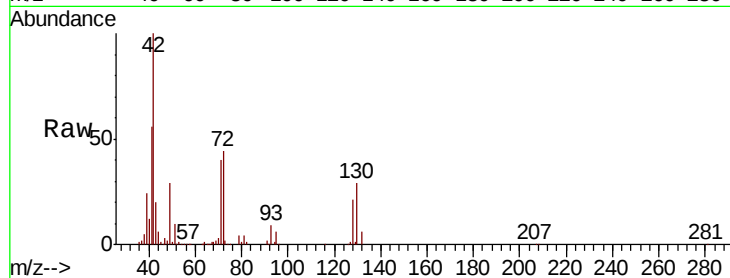
#29
Tetrahydrofuran
Concen: 110.45 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.9	52.3
71	41.3	33.8	50.6

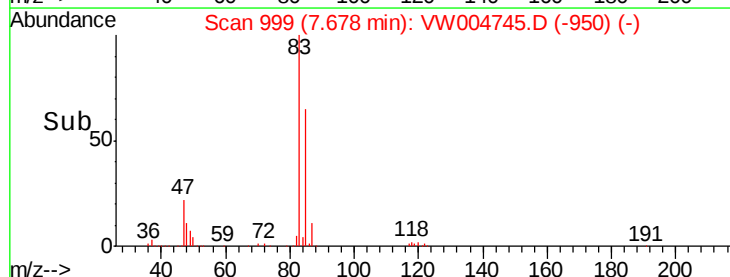
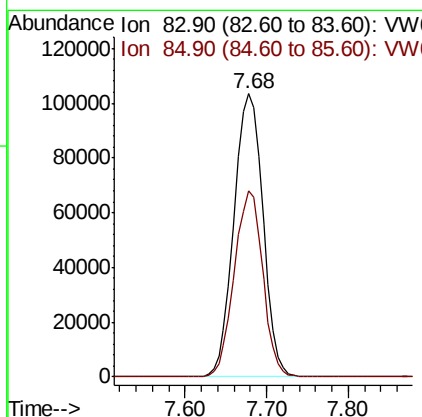
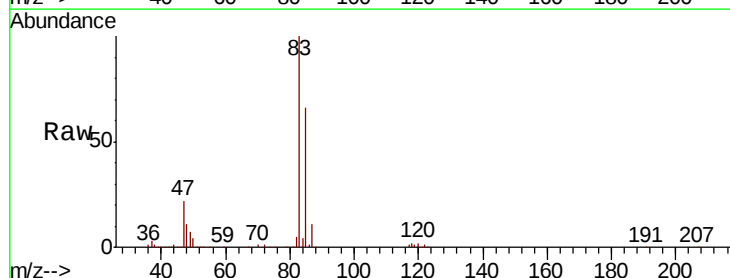
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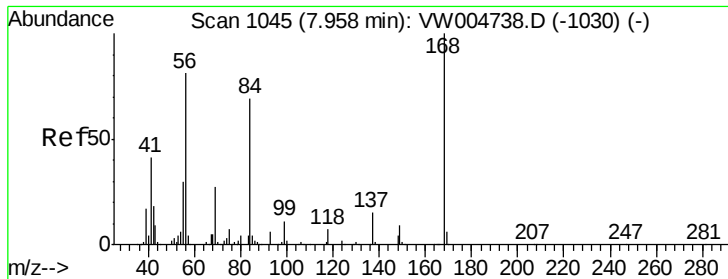
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#30
Chloroform
Concen: 20.57 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.0	76.6





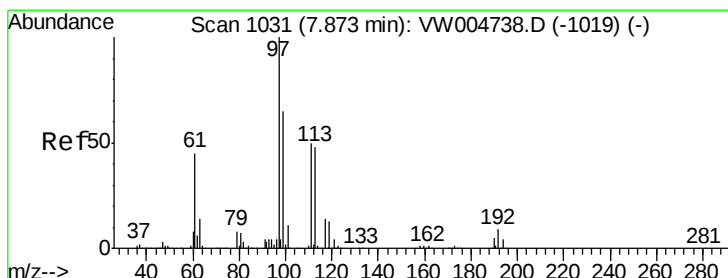
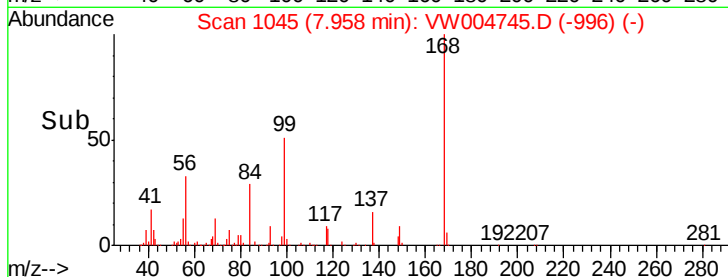
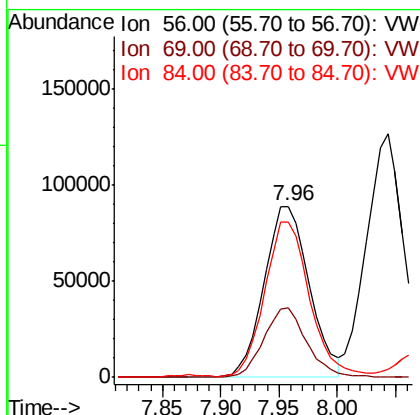
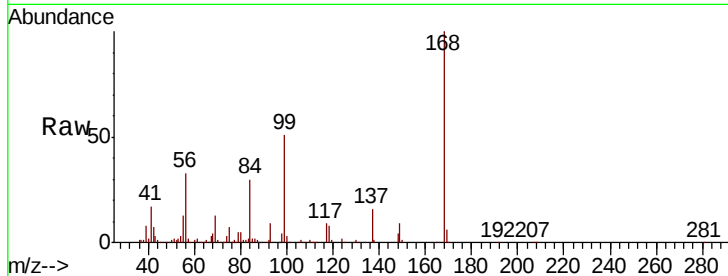
#31
Cyclohexane
Concen: 19.65 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.9	27.1	40.7#
84	88.9	68.3	102.5

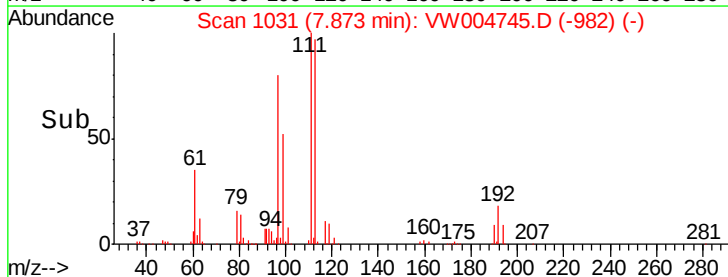
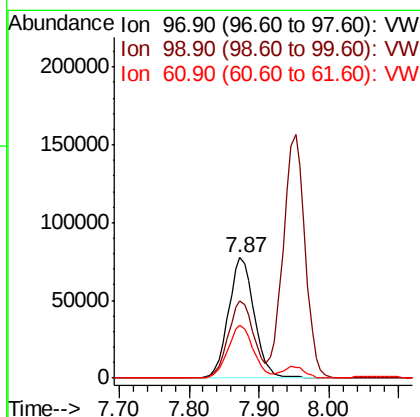
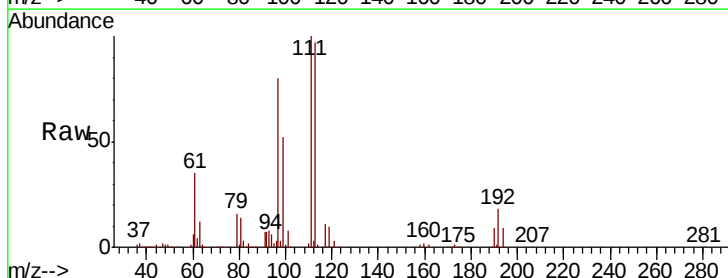
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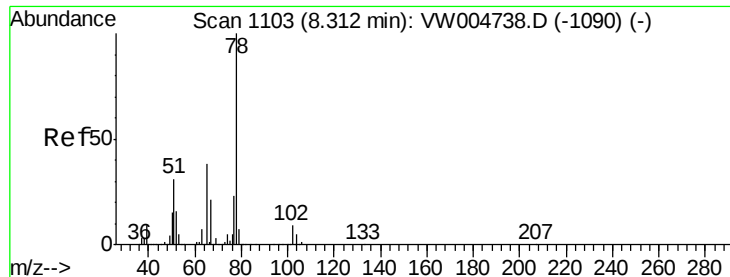
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#32
1,1,1-Trichloroethane
Concen: 20.15 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.7	77.5
61	43.5	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 52.02 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 65 Resp: 324410

Ion Ratio Lower Upper

65 100

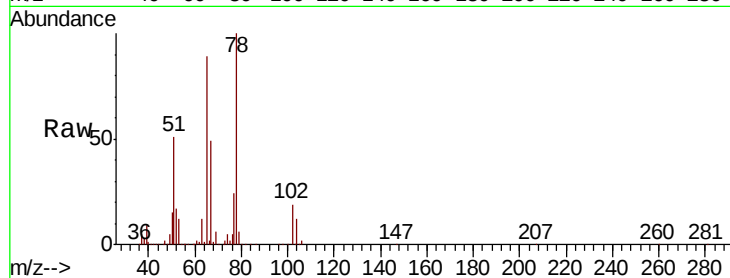
67 55.1 0.0 109.4

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

150000

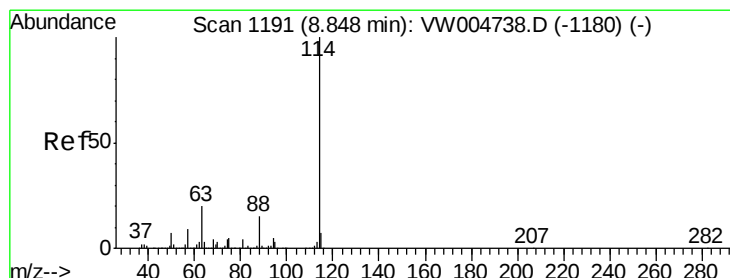
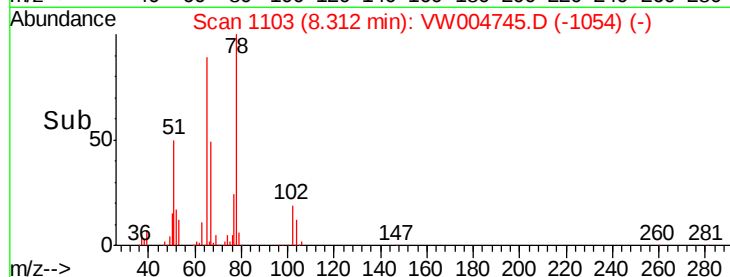
100000

50000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

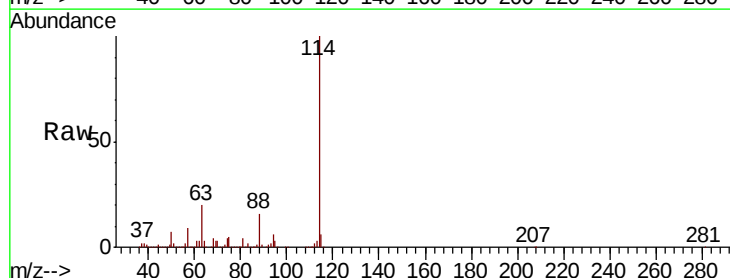
Tgt Ion: 114 Resp: 1008167

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

88 15.9 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

600000

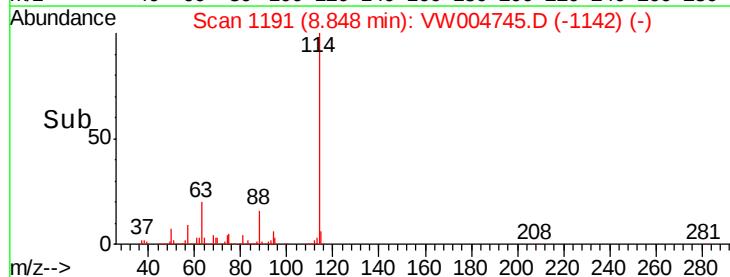
400000

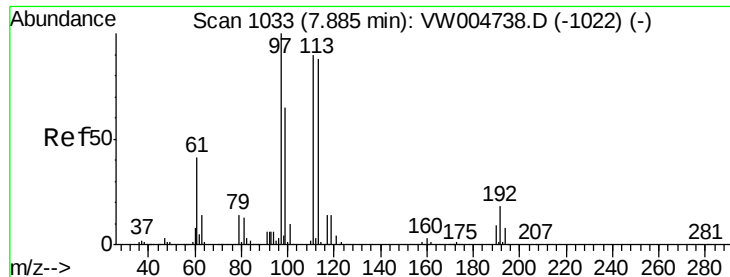
200000

0

8.80 8.90

Time-->





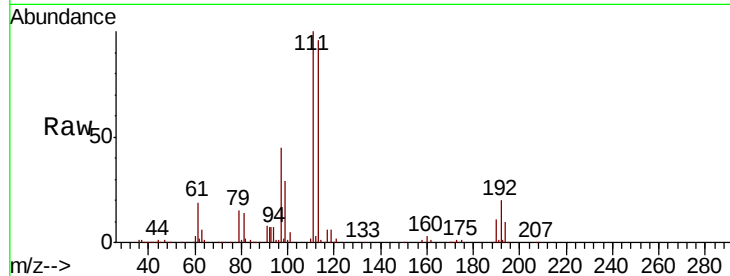
#35
 Dibromofluoromethane
 Concen: 50.23 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

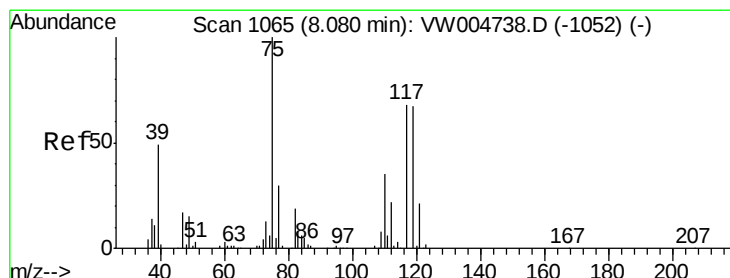
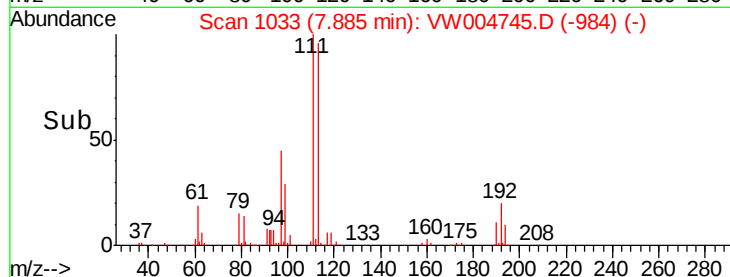
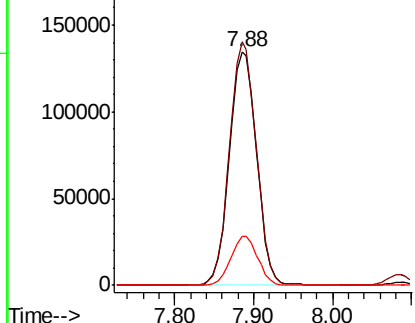
Tot Ion	Ratio	Resp	Lower	Upper
113	100	323671		
111	102.6	82.4	123.6	
192	20.7	16.7	25.1	

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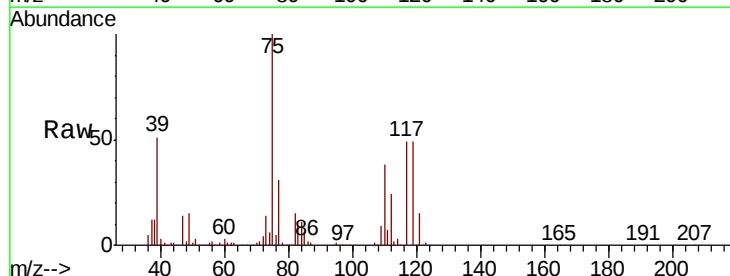


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

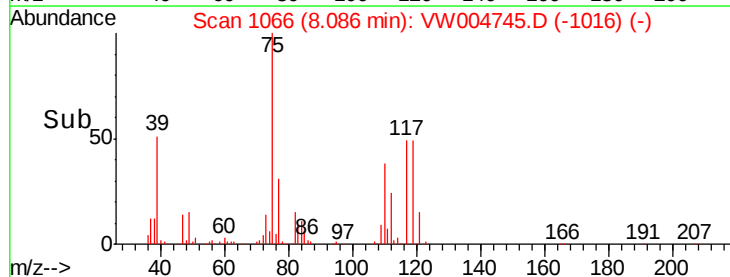
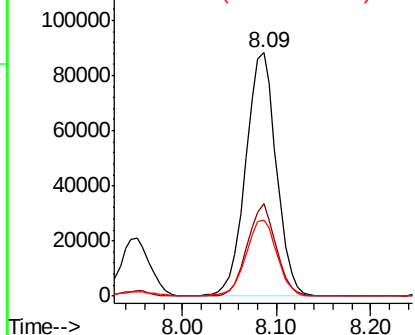


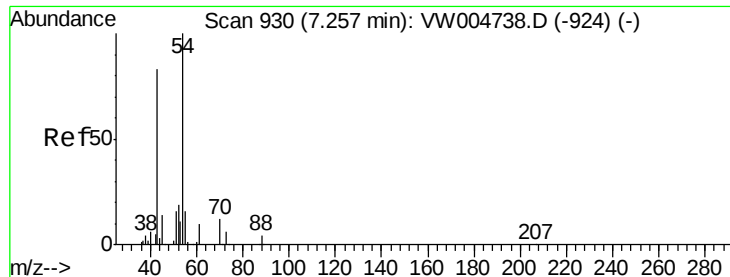
#36
 1,1-Dichloropropene
 Concen: 19.38 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	201293		
110	35.7	17.8	53.5	
77	31.8	24.9	37.3	



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





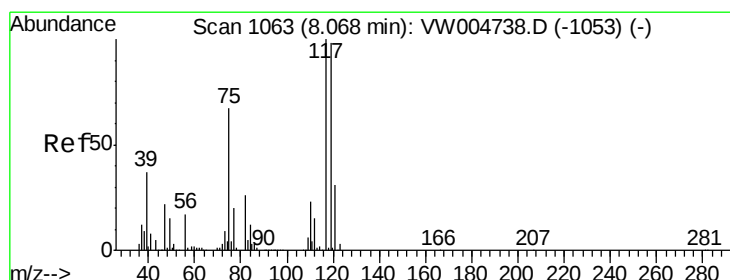
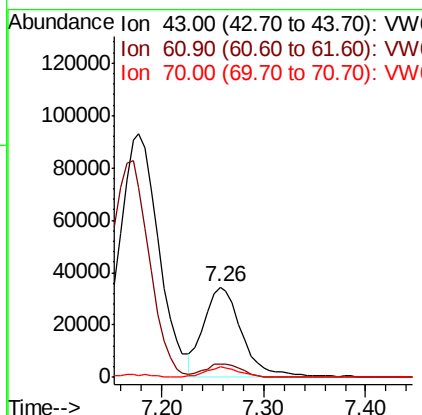
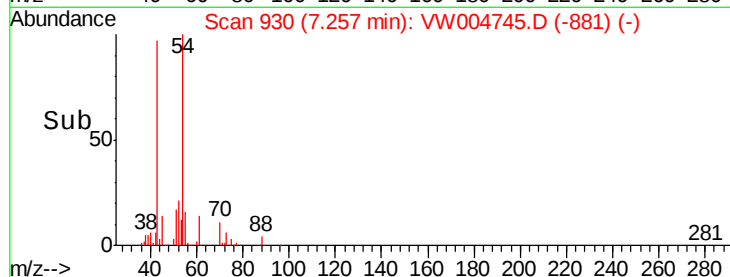
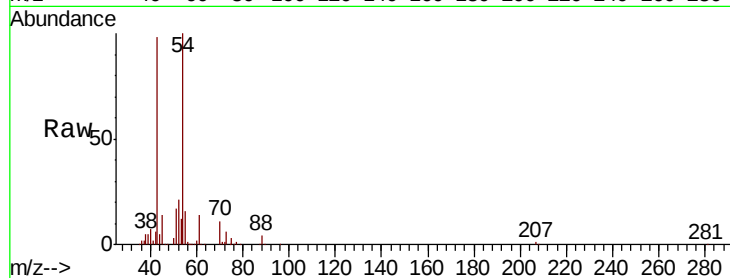
#37
Ethyl Acetate
Concen: 21.25 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.6	17.4
70	10.9	9.2	13.8

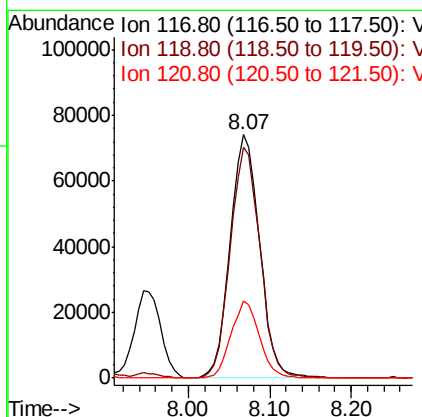
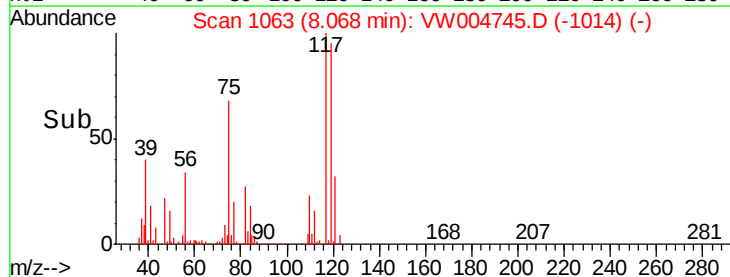
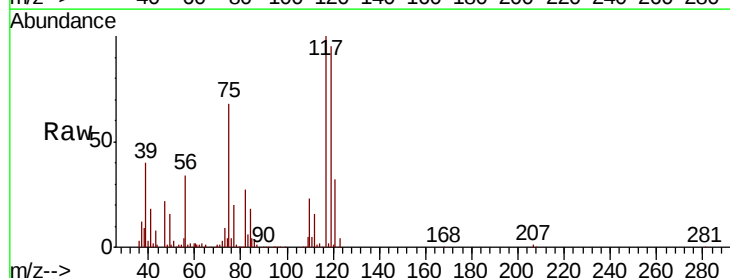
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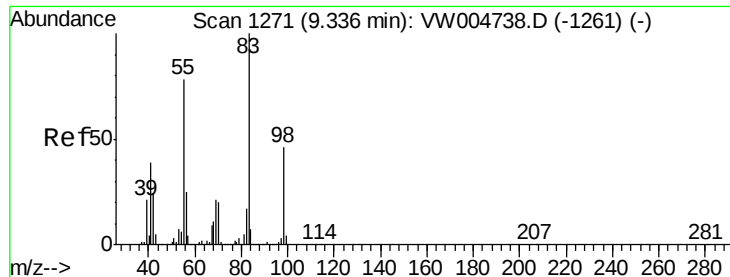
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#38
Carbon Tetrachloride
Concen: 19.35 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.0	117.0
121	31.5	24.8	37.2





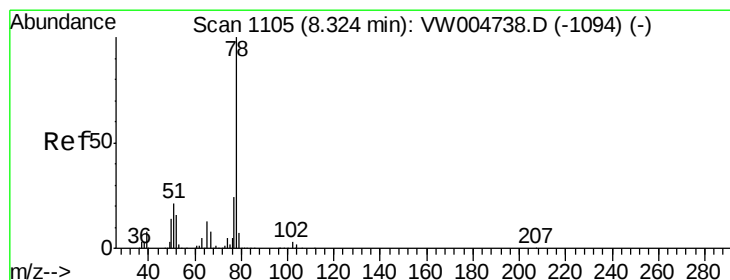
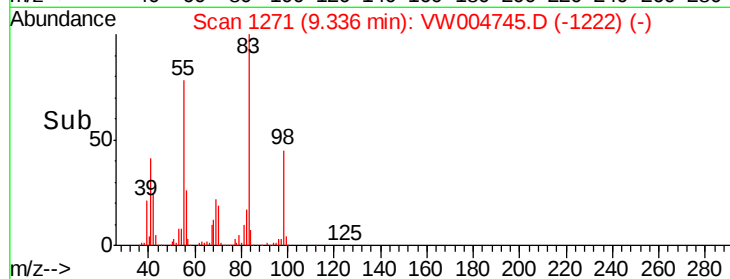
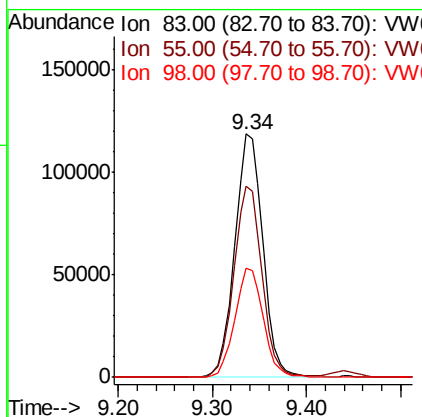
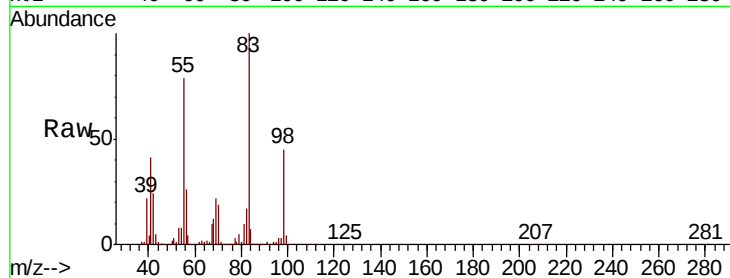
#39
Methvlcvclohexane
Concen: 19.01 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	62.4	93.6
98	45.1	36.5	54.7

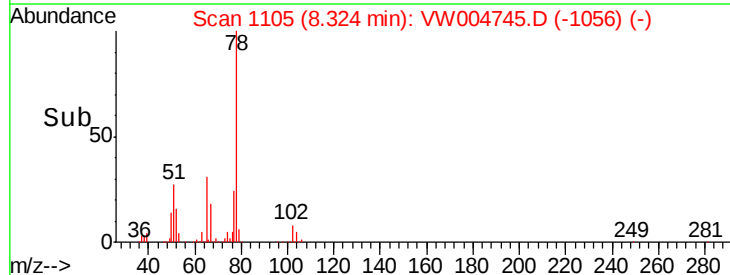
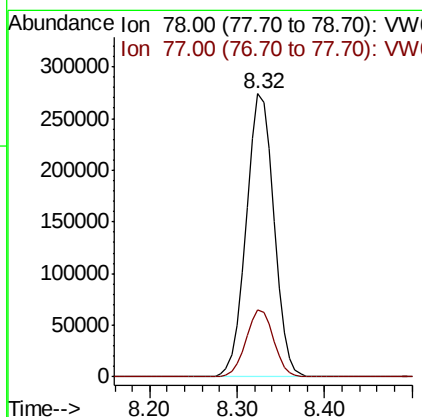
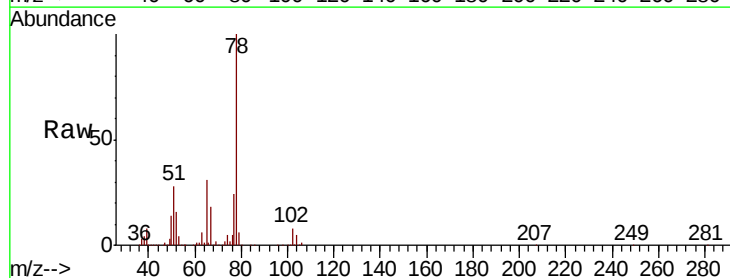
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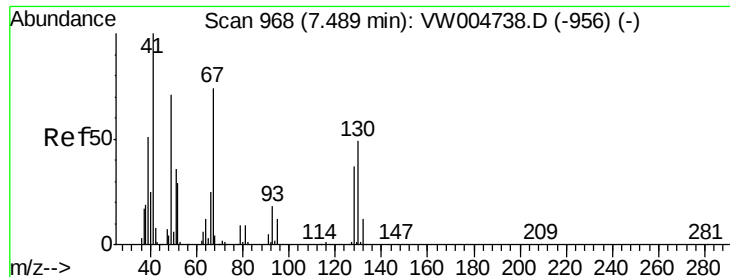
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#40
Benzene
Concen: 19.98 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





#41

Methacrylonitrile

Concen: 21.71 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW004745.D

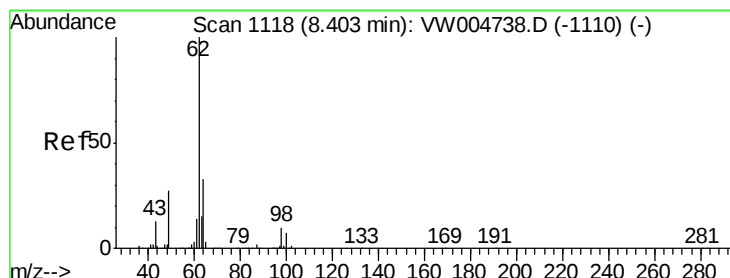
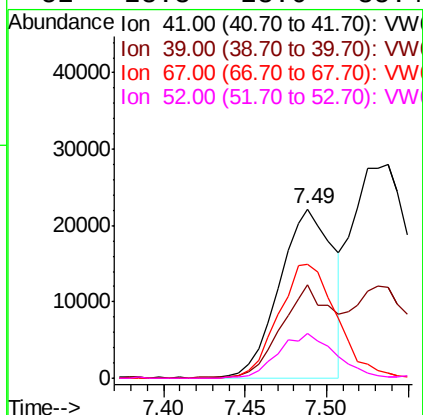
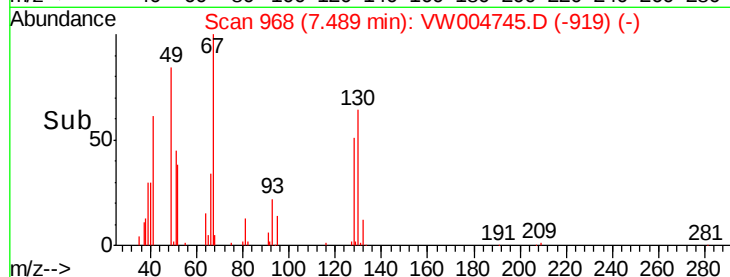
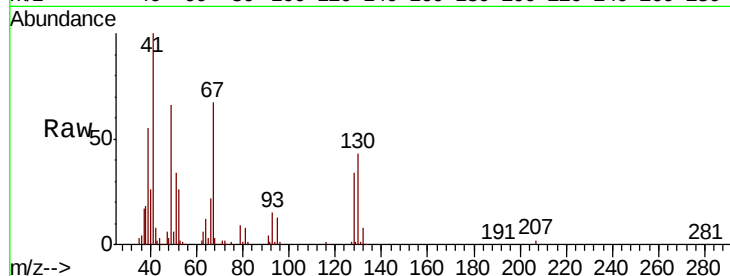
Acq: 17 Aug 2018 21:04

Tot Ion	41	Resp	51021
Ion Ratio	Lower	Upper	
41	100		
39	51.8	41.0	61.4
67	73.5	59.5	89.3
52	28.3	23.6	35.4

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.58 ug/l

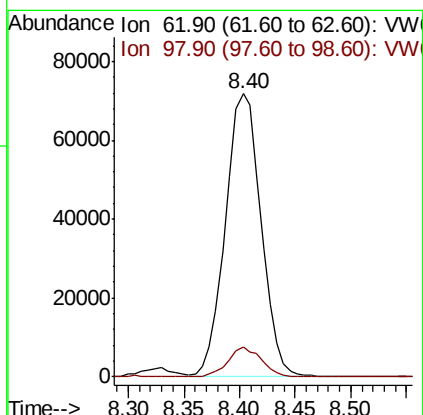
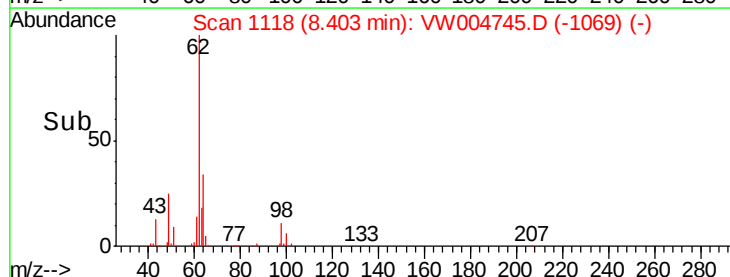
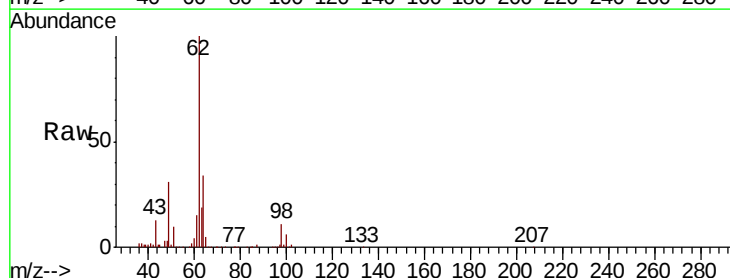
RT: 8.40 min Scan# 1118

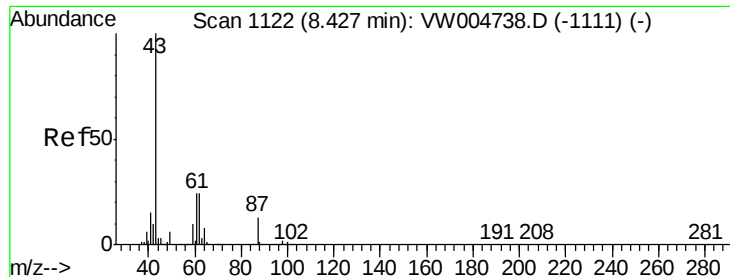
Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Tgt Ion	62	Resp	159252
Ion Ratio	Lower	Upper	
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 20.32 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

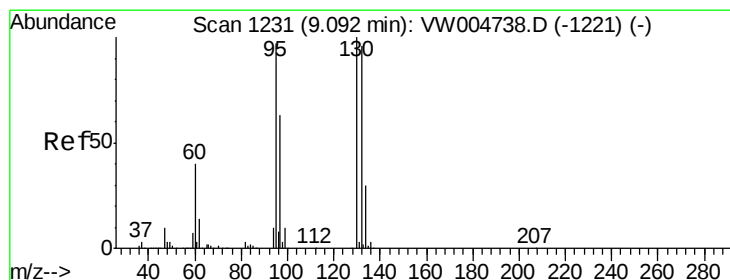
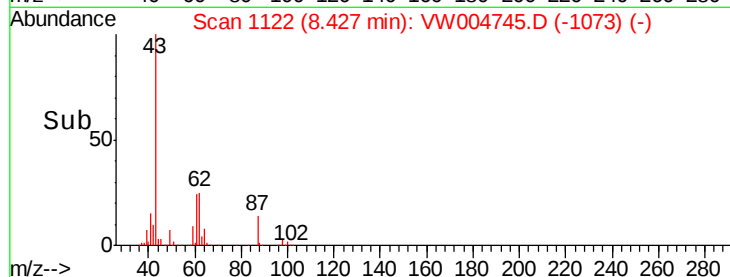
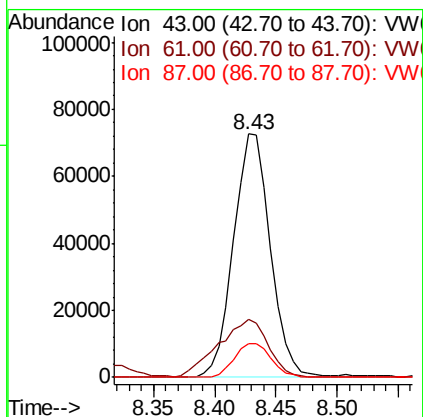
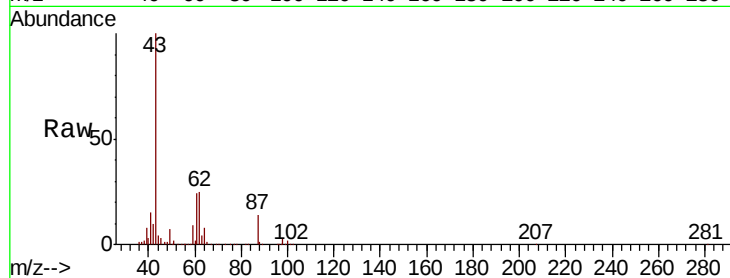
ClientSampleId :

VW0819SBS01

Tot Ion	43	Resp	151121
Ion	Ratio	Lower	Upper
43	100		
61	32.2	26.2	39.4
87	14.1	10.9	16.3

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#44

Trichloroethene

Concen: 19.79 ug/l

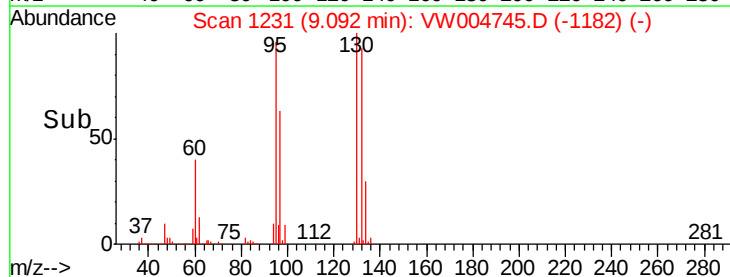
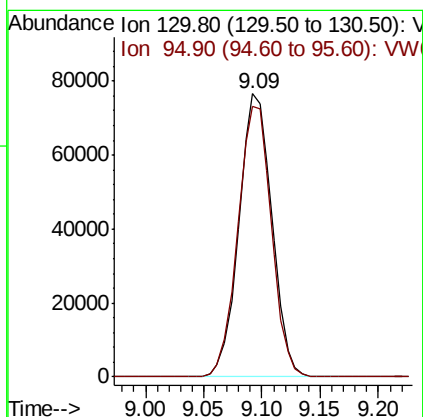
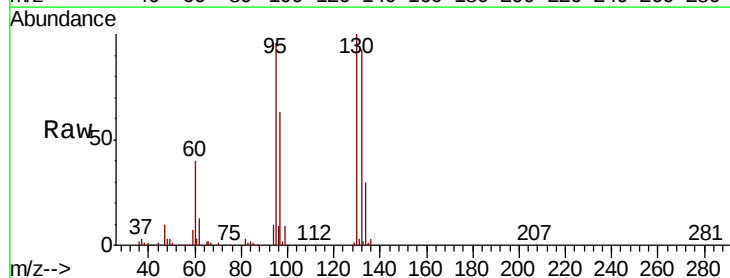
RT: 9.09 min Scan# 1231

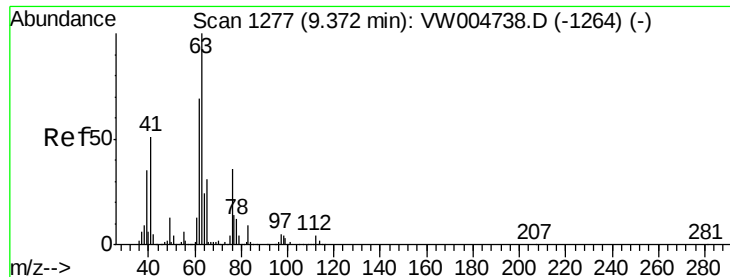
Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Tgt Ion	130	Resp	151626
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	194.4





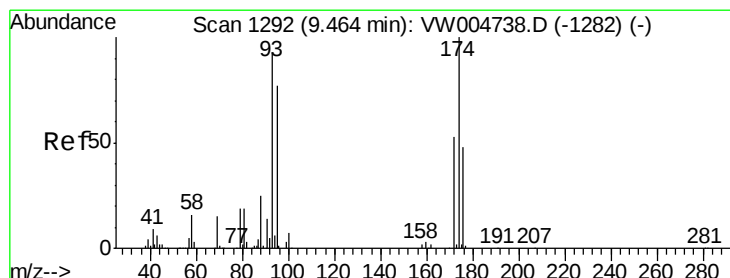
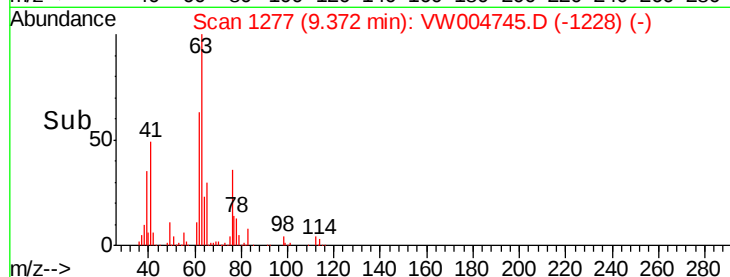
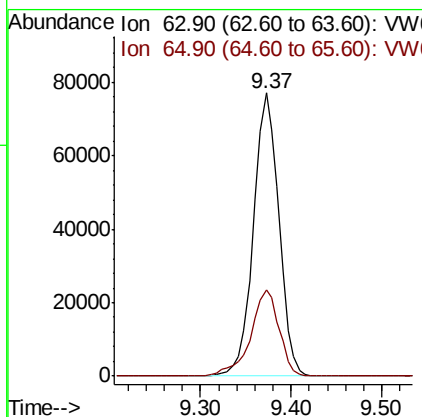
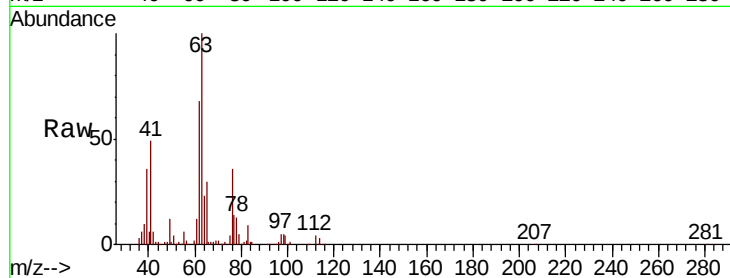
#45
 1,2-Dichloropropane
 Concen: 20.30 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	37.0

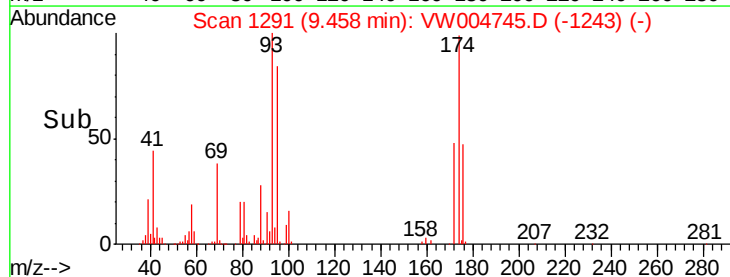
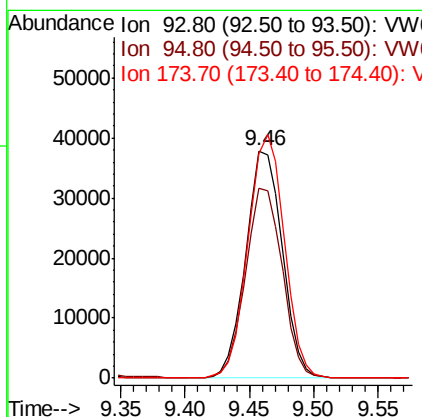
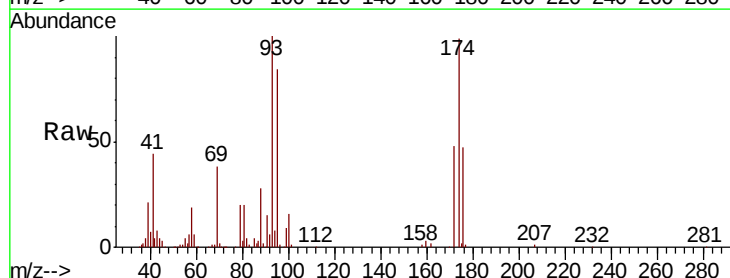
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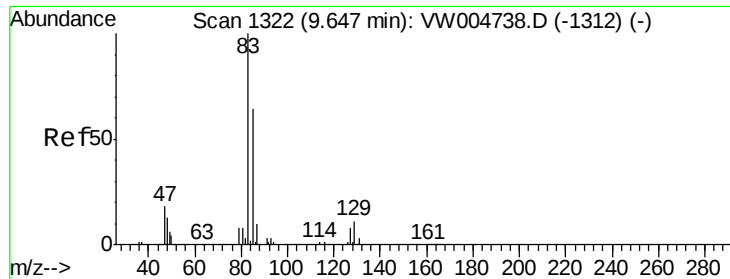
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#46
 Dibromomethane
 Concen: 20.34 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.6	99.8
174	106.5	85.3	127.9





#47

Bromodichloromethane

Concen: 19.92 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

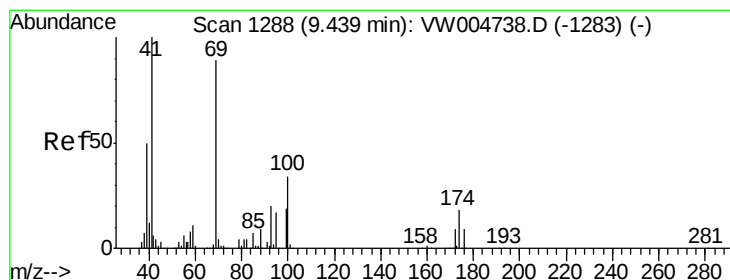
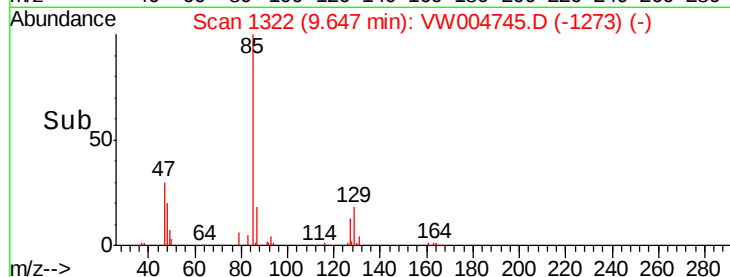
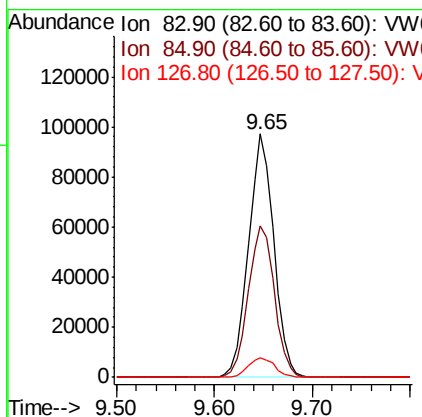
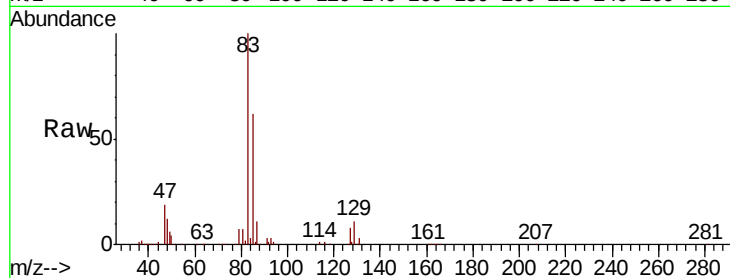
ClientSampleId :

VW0819SBS01

Tot Ion:	83	Resp:	174044
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.2	76.8
127	8.3	6.7	10.1

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#48

Methyl methacrylate

Concen: 20.84 ug/l

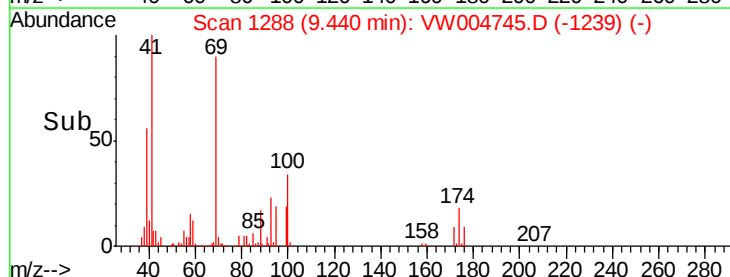
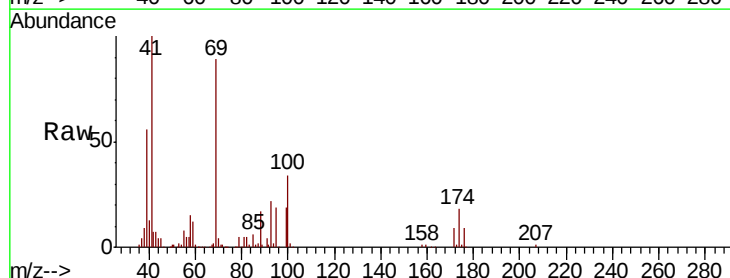
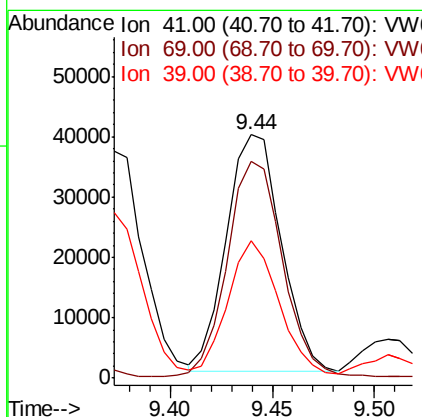
RT: 9.44 min Scan# 1288

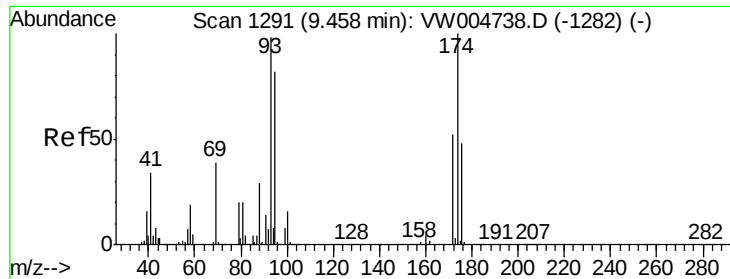
Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Tgt Ion:	41	Resp:	72734
Ion	Ratio	Lower	Upper
41	100		
69	93.5	75.2	112.8
39	52.2	39.8	59.6





#49

1,4-Dioxane

Concen: 438.30 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

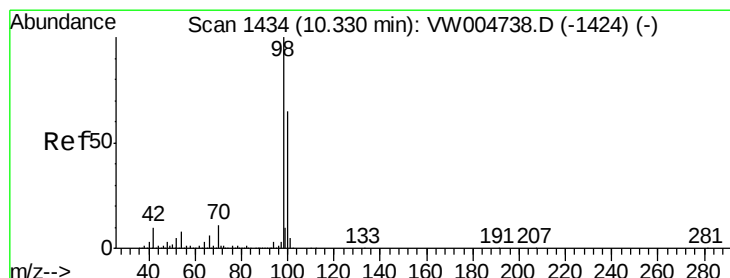
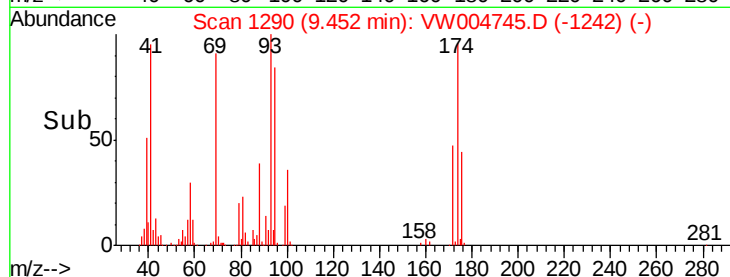
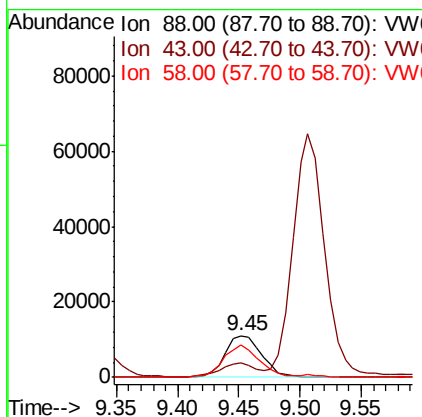
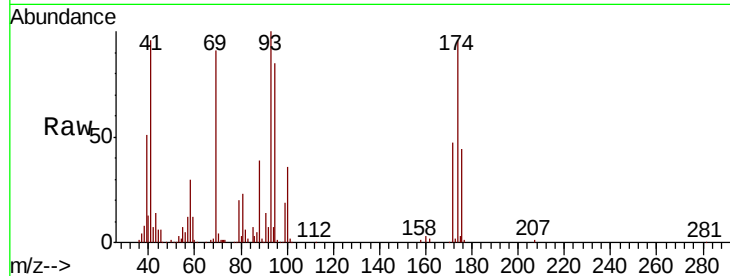
ClientSampleId :

VW0819SBS01

Tot Ion:	88	Resp:	23422
Ion	Ratio	Lower	Upper
88	100		
43	31.7	22.9	34.3
58	75.2	60.0	90.0

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#50

Toluene-d8

Concen: 50.32 ug/l

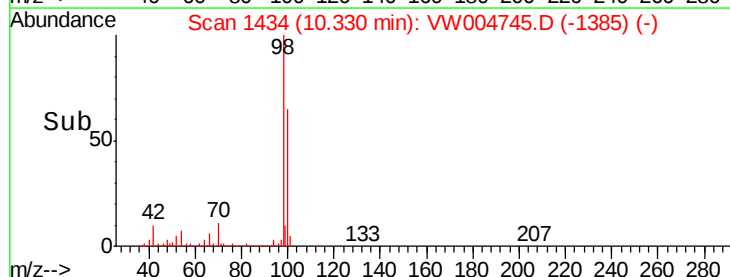
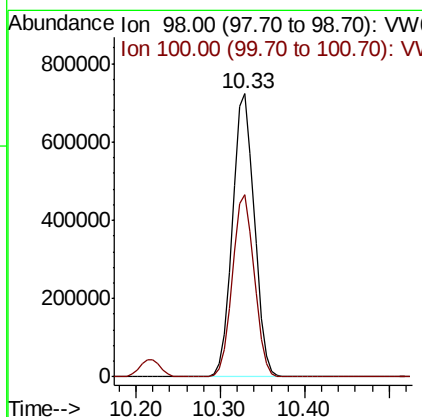
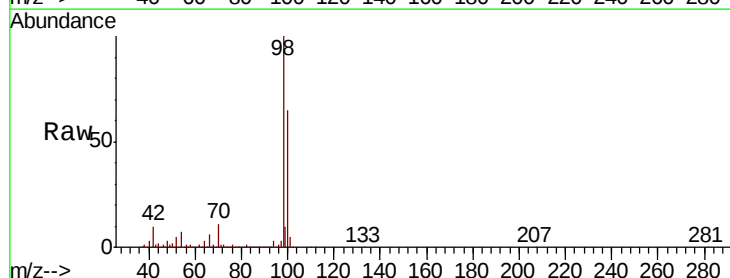
RT: 10.33 min Scan# 1434

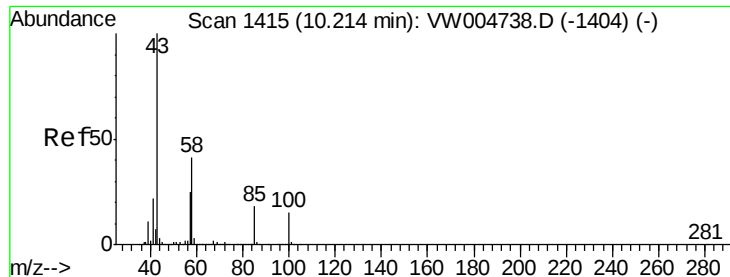
Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Tgt Ion:	98	Resp:	1265643
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 106.11 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 43 Resp: 533319

Ion Ratio Lower Upper

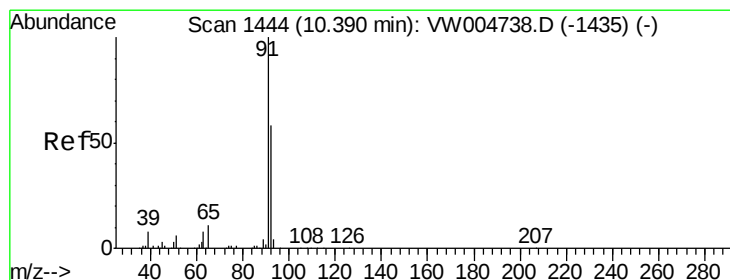
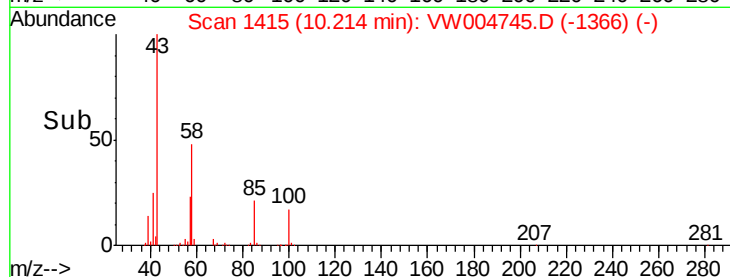
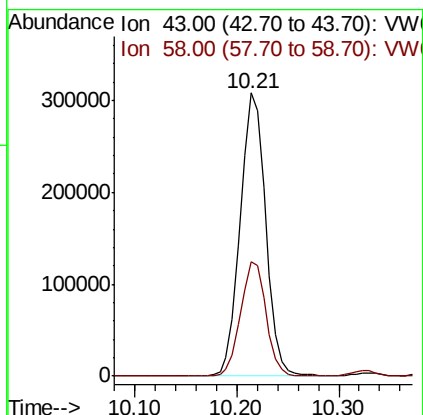
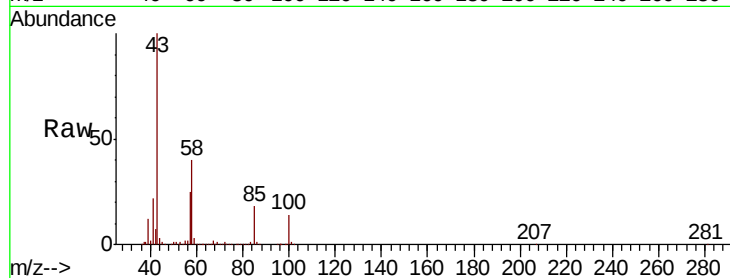
43 100

58 40.4 32.7 49.1

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#52

Toluene

Concen: 20.31 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004745.D

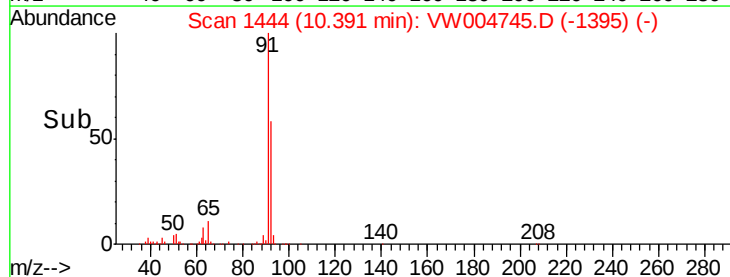
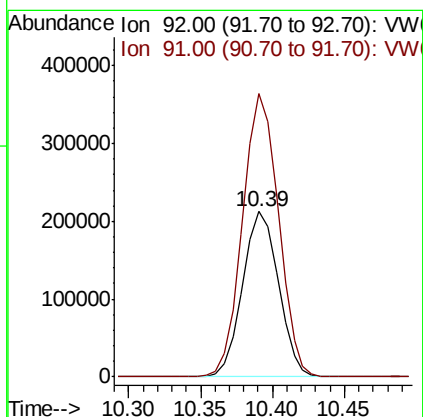
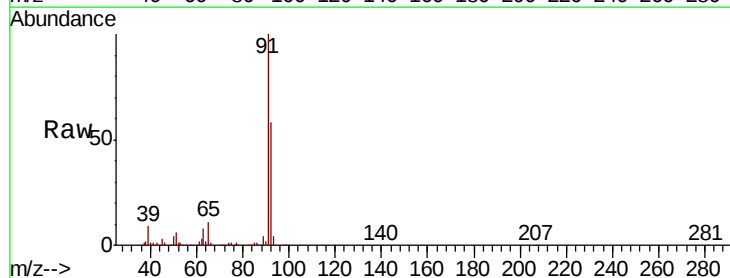
Acq: 17 Aug 2018 21:04

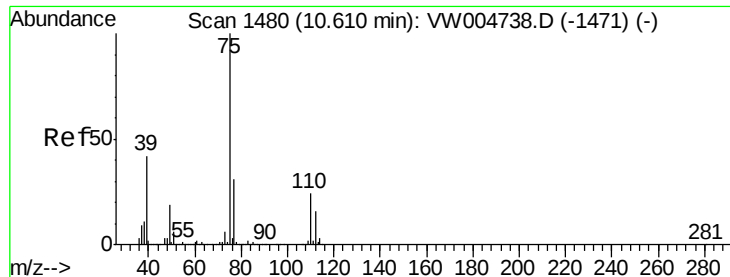
Tgt Ion: 92 Resp: 367645

Ion Ratio Lower Upper

92 100

91 171.5 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 19.54 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 75 Resp: 171932

Ion Ratio Lower Upper

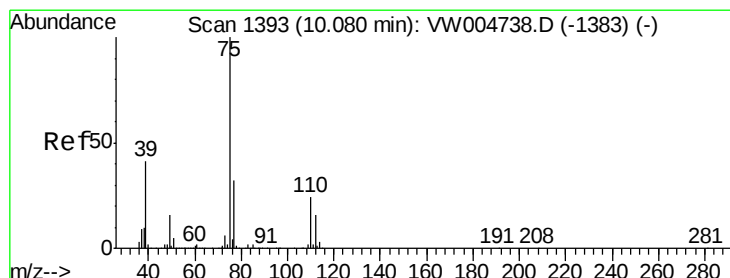
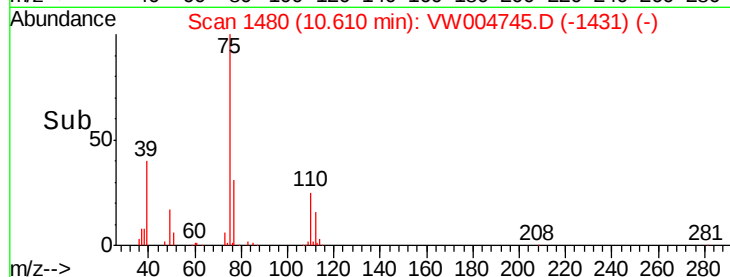
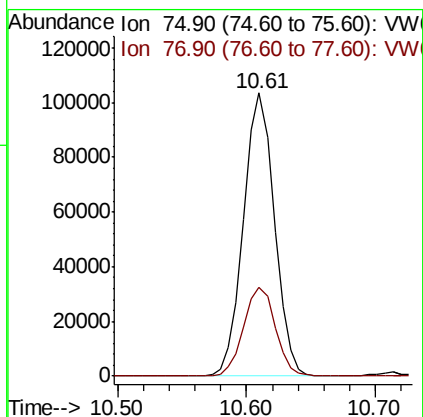
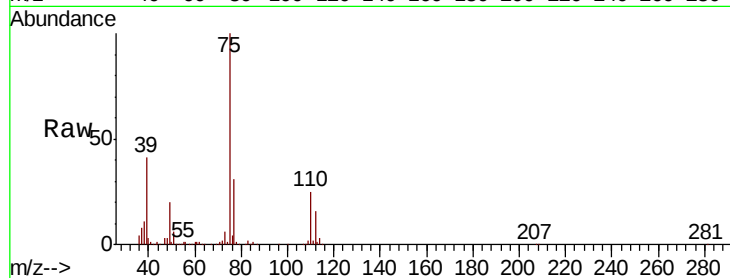
75 100

77 31.2 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 19.96 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

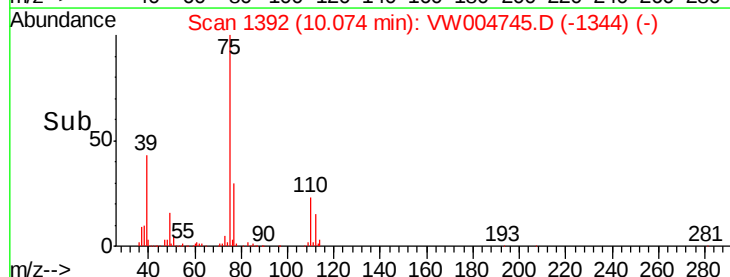
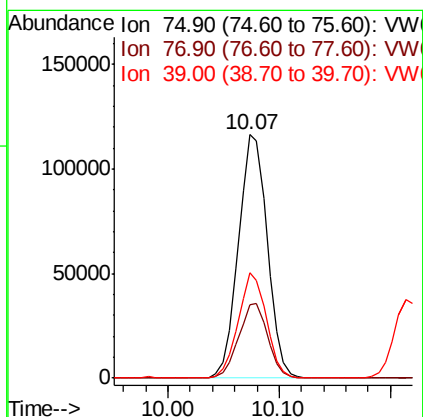
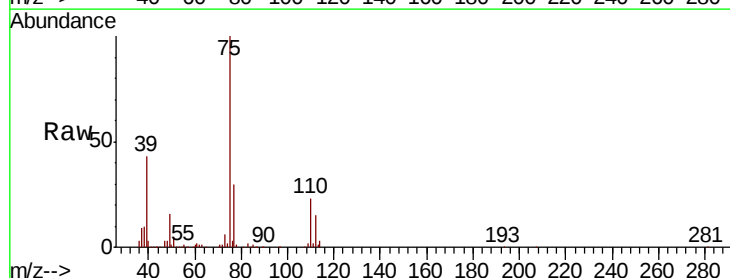
Tgt Ion: 75 Resp: 209448

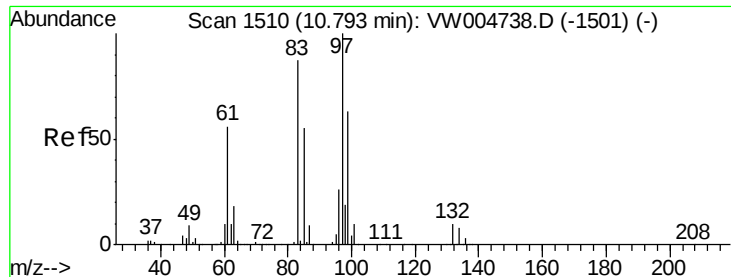
Ion Ratio Lower Upper

75 100

77 30.3 25.6 38.4

39 43.1 33.0 49.4





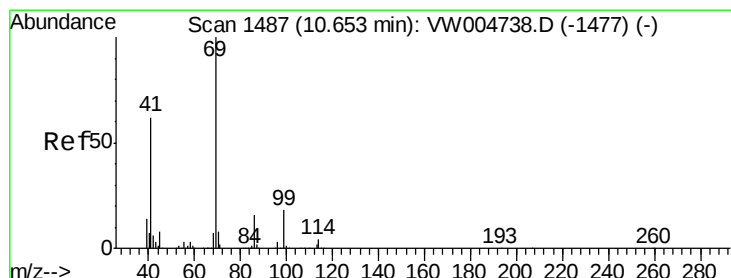
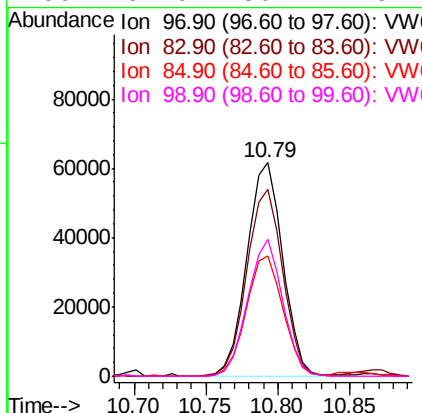
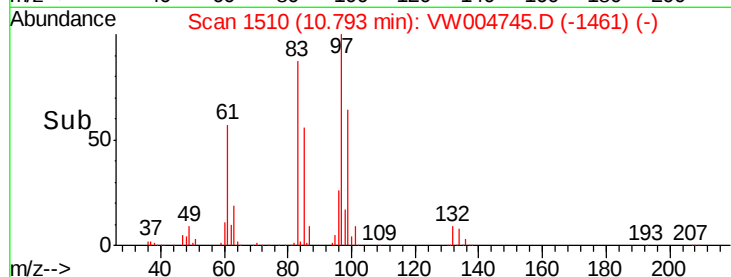
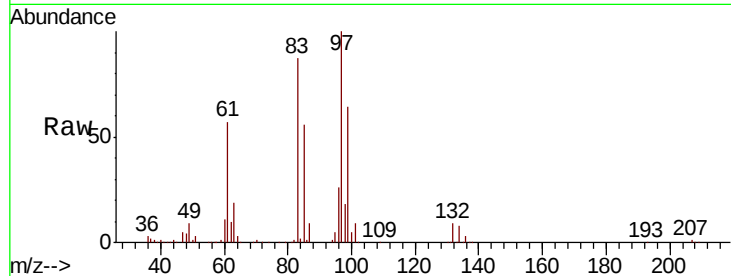
#55
 1,1,2-Trichloroethane
 Concen: 20.25 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		105292		
83	87.6	69.4	104.2		
85	56.3	44.3	66.5		
99	64.0	50.2	75.2		

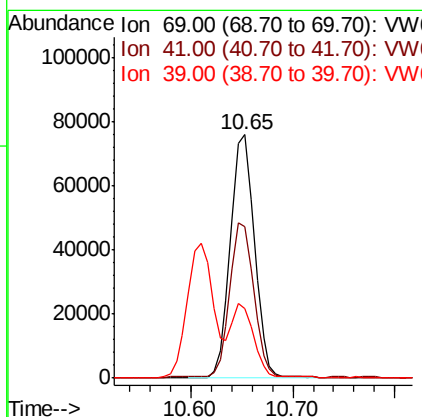
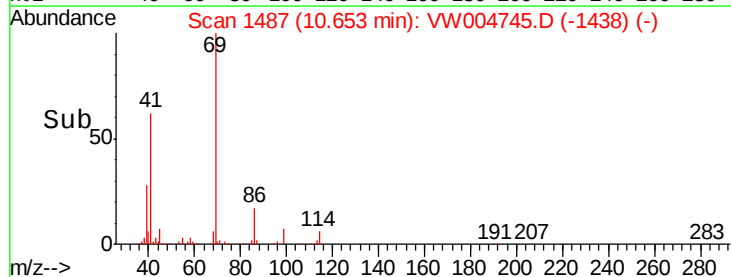
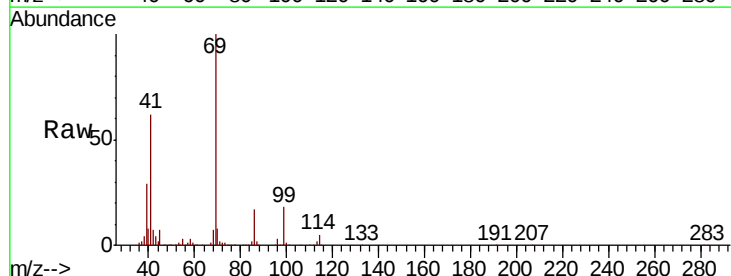
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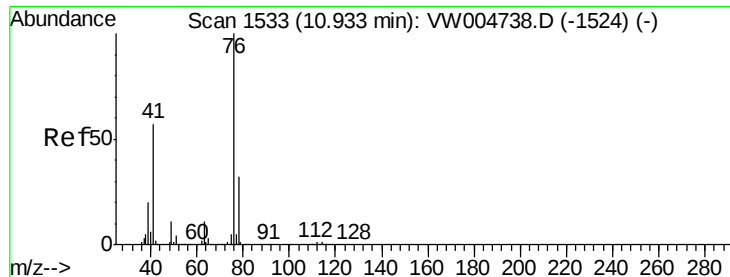
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#56
 Ethyl methacrylate
 Concen: 20.26 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		124783		
41	63.0	50.7	76.1		
39	26.5	21.4	32.2		





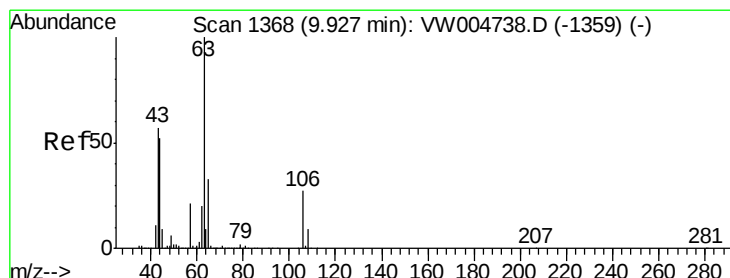
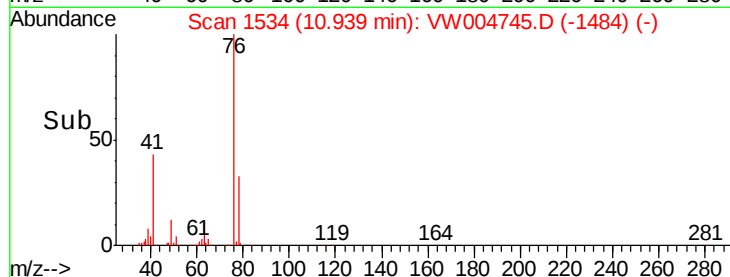
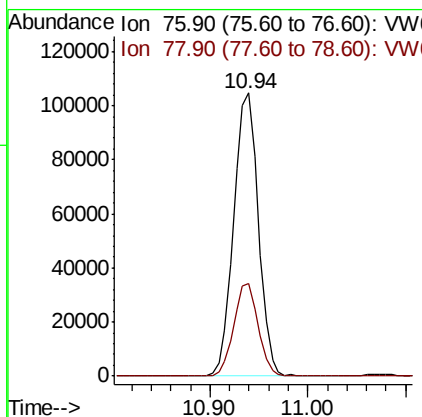
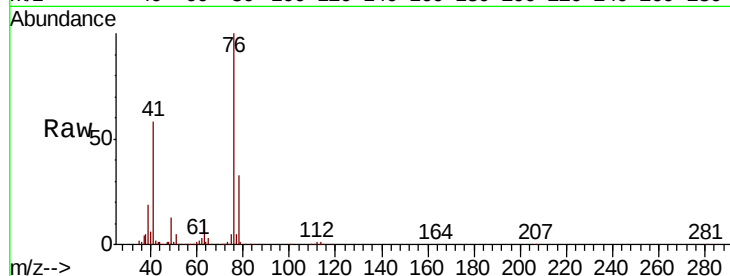
#57
 1,3-Dichloropropane
 Concen: 20.44 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

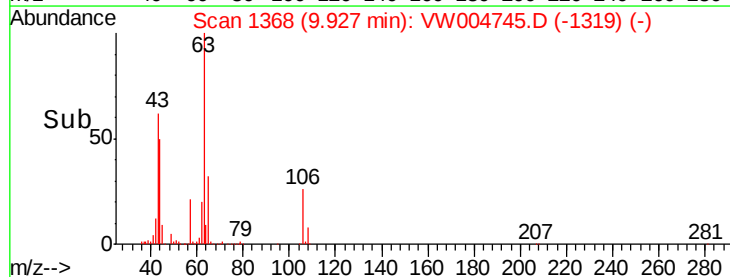
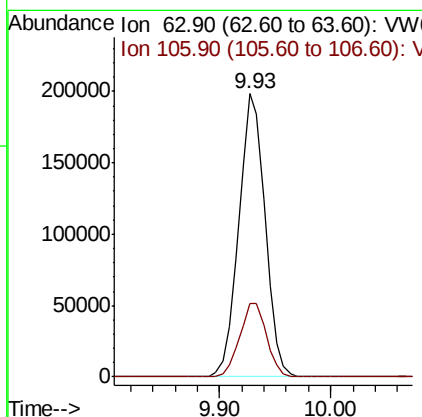
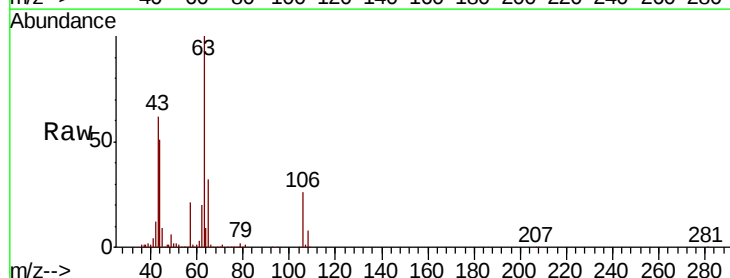
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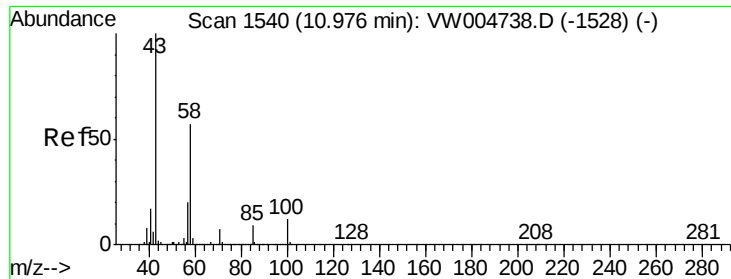
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.92 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	22.1	33.1





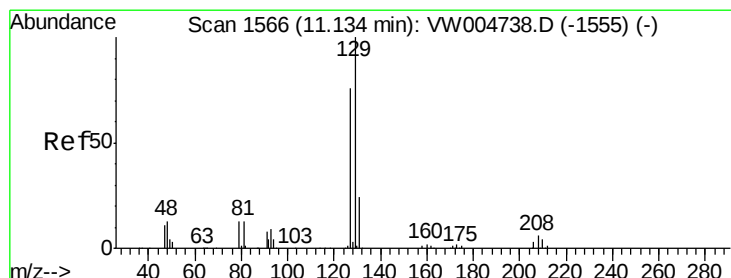
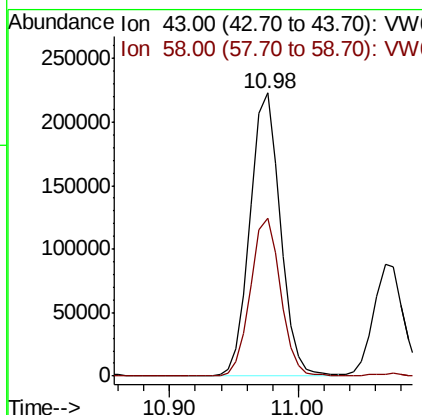
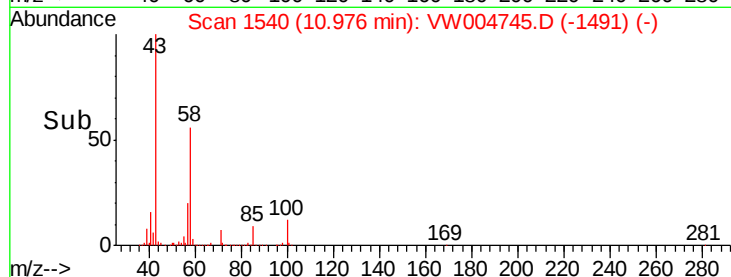
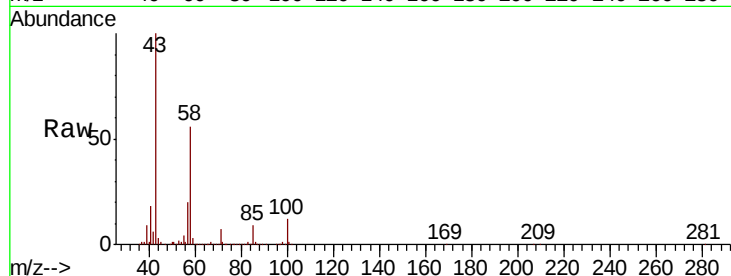
#59
2-Hexanone
Concen: 105.87 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	28.1	84.4

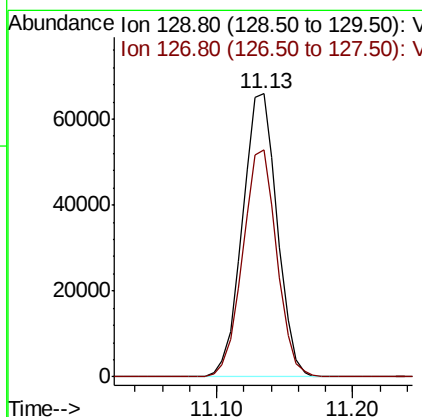
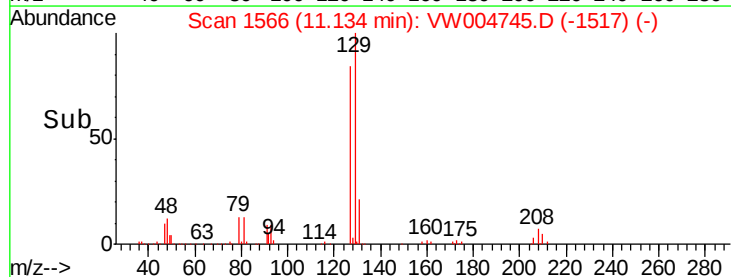
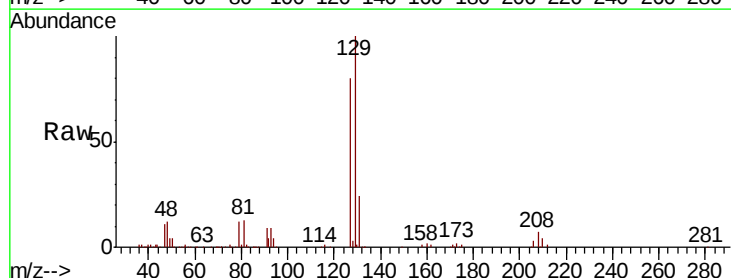
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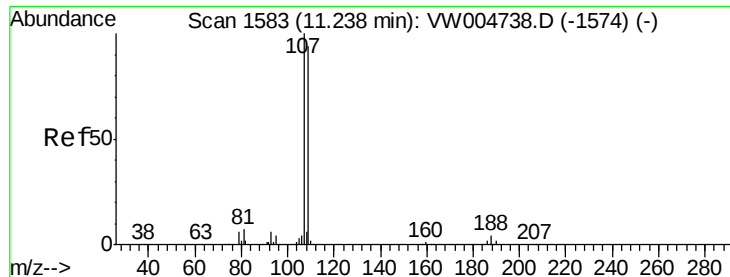
apatel
8/20/2018 9:54:21 AM



#60
Dibromochloromethane
Concen: 20.18 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5





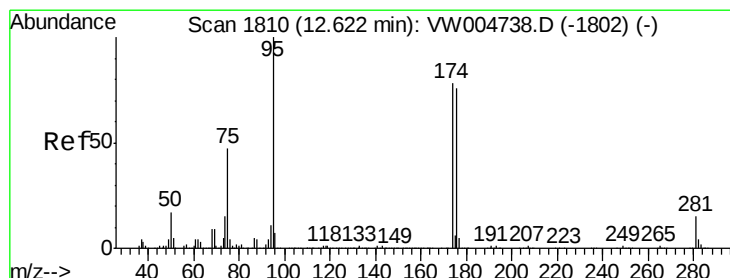
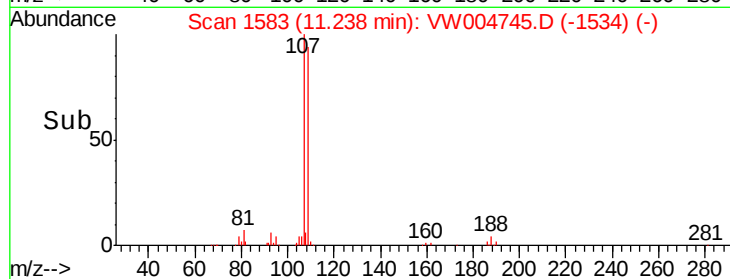
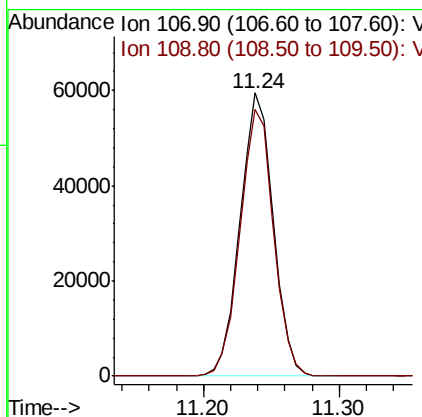
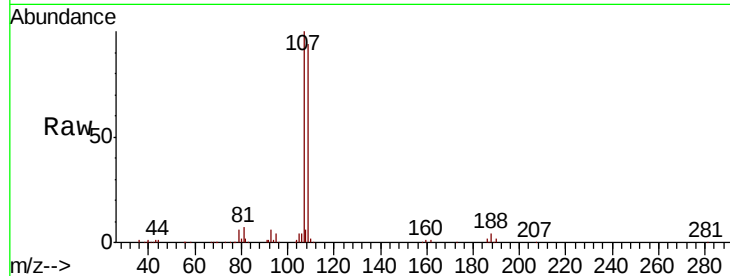
#61
 1,2-Dibromoethane
 Concen: 20.36 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.5	113.3

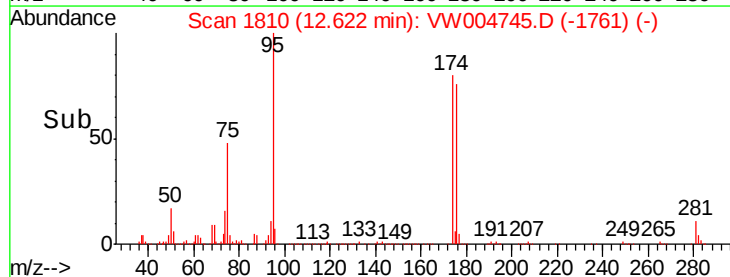
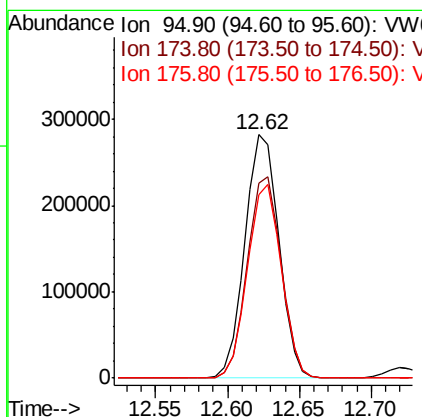
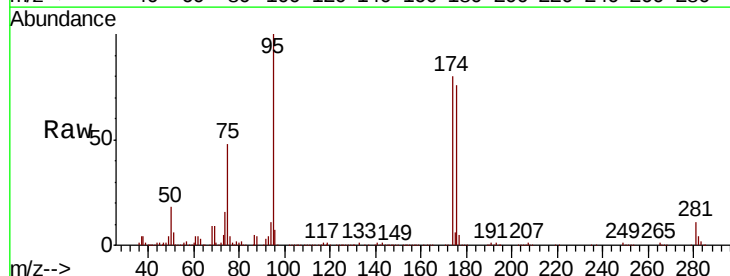
Manual Integrations
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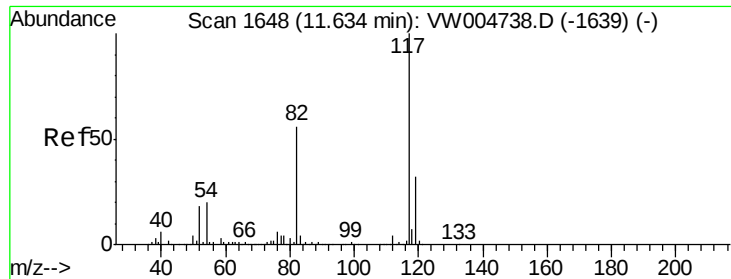
apatel
 8/20/2018 9:54:21 AM



#62
 4-Bromofluorobenzene
 Concen: 50.85 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	165.8
176	79.2	0.0	159.8





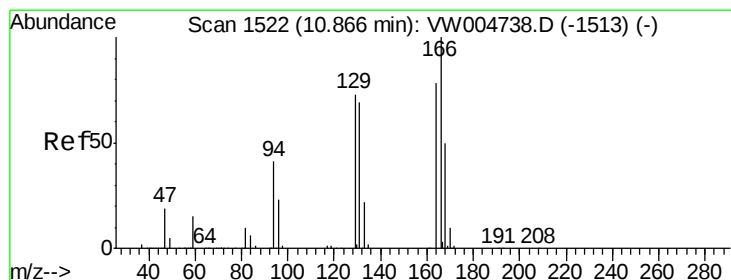
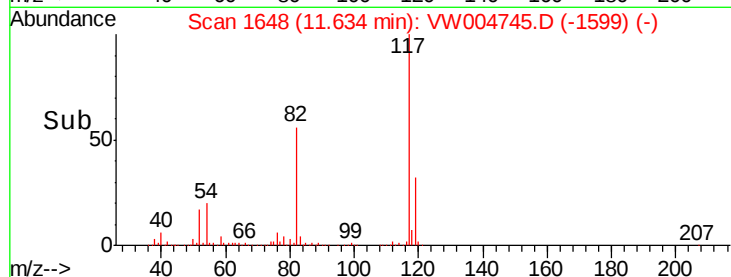
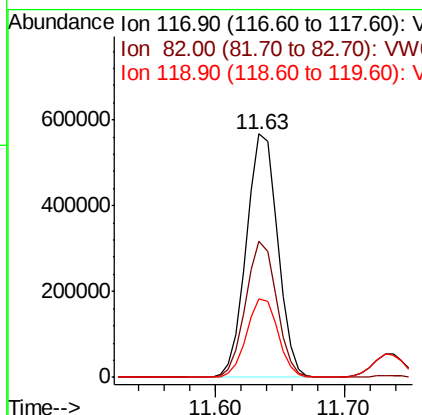
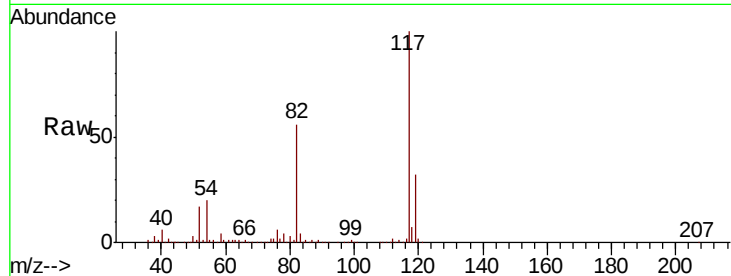
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	951749		
82	56.0		44.6	67.0
119	32.3		25.6	38.4

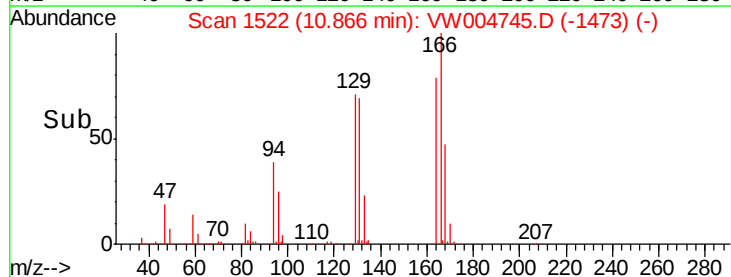
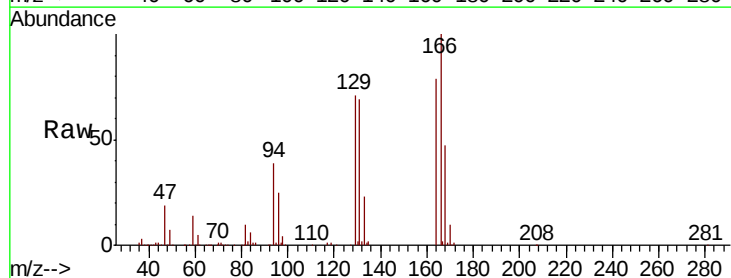
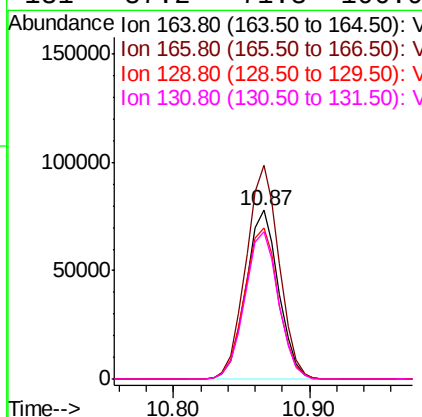
Manual Integrations
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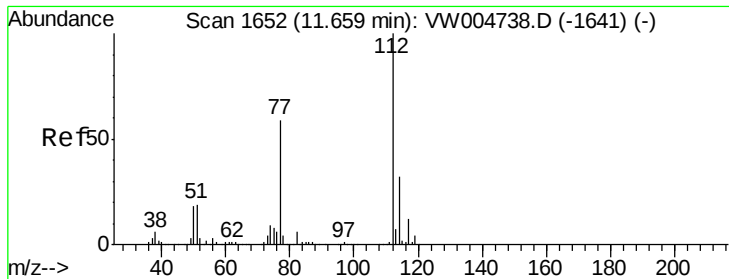
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#64
Tetrachloroethene
Concen: 20.20 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	131405		
166	126.5		102.5	153.7
129	89.7		75.1	112.7
131	87.2		71.3	106.9





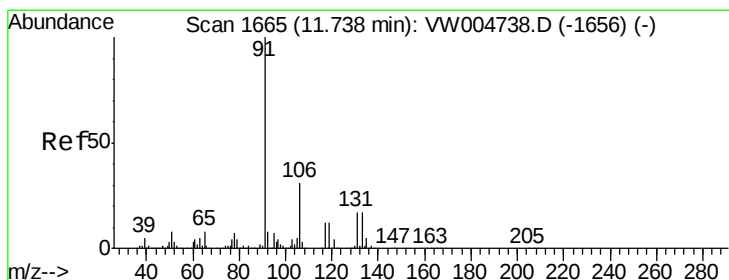
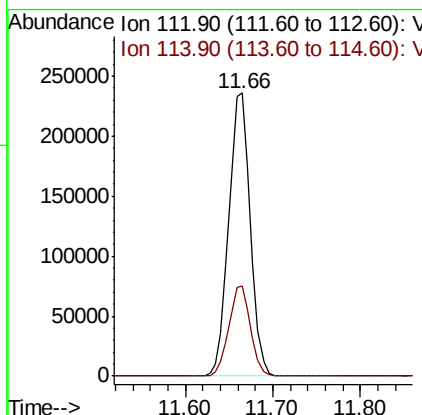
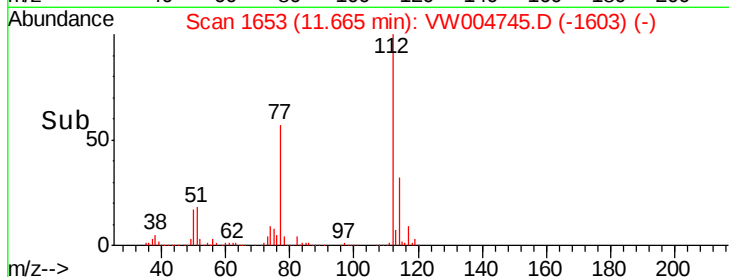
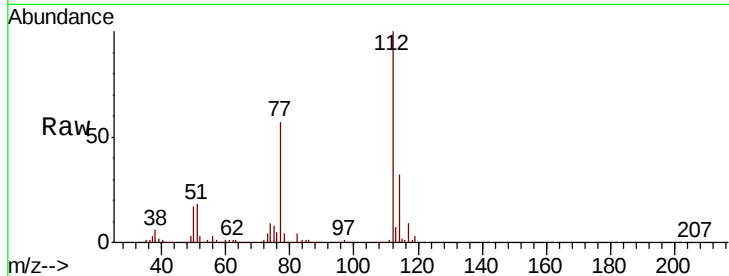
#65
Chlorobenzene
Concen: 19.73 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.2

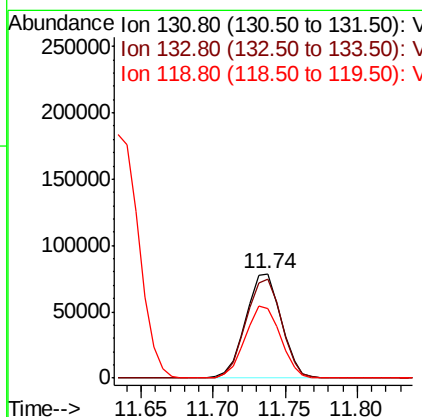
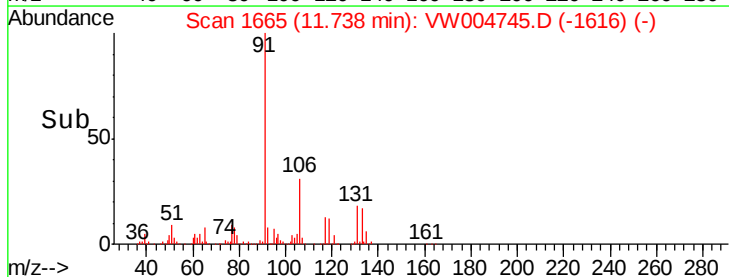
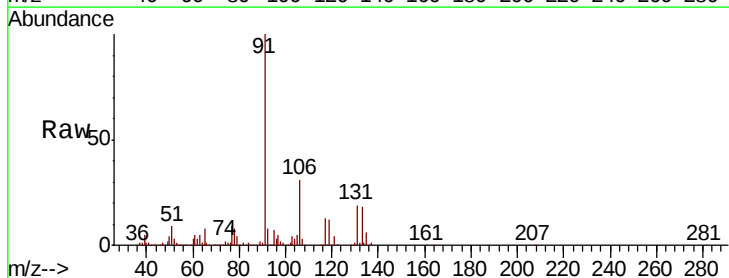
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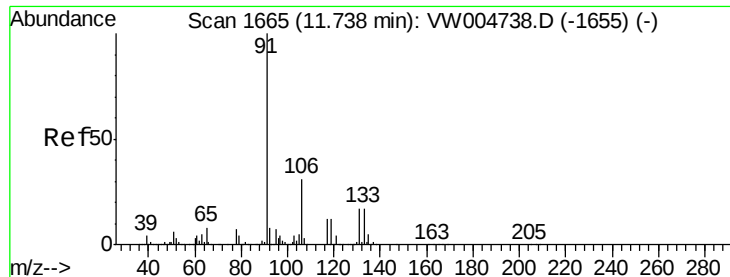
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.43 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.2	144.6
119	68.6	34.0	102.0





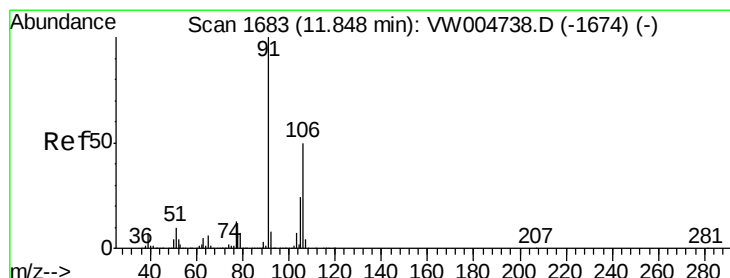
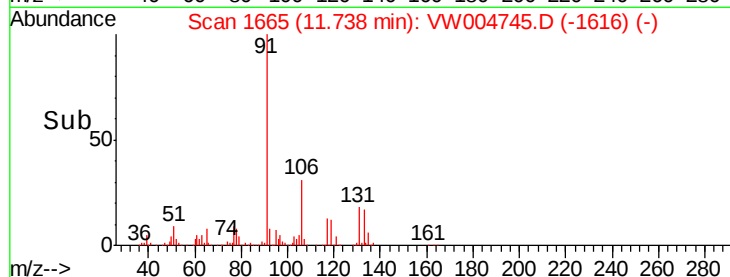
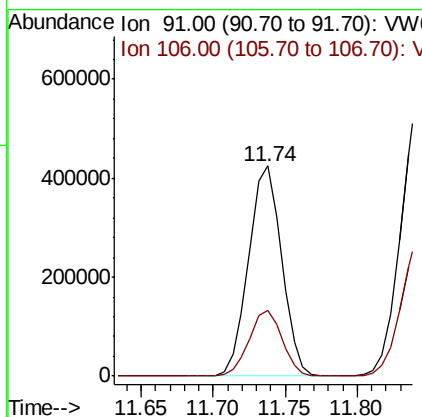
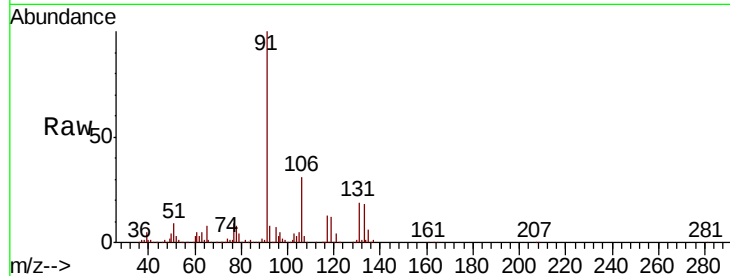
#67
Ethyl Benzene
Concen: 19.43 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.9	37.3

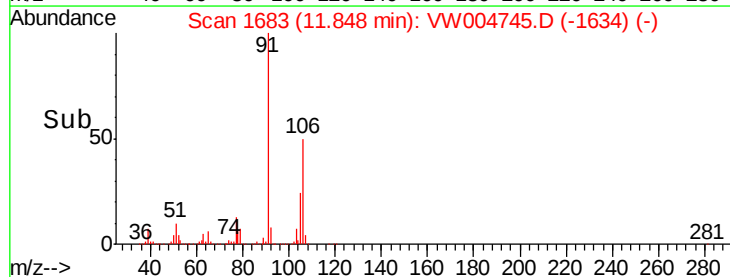
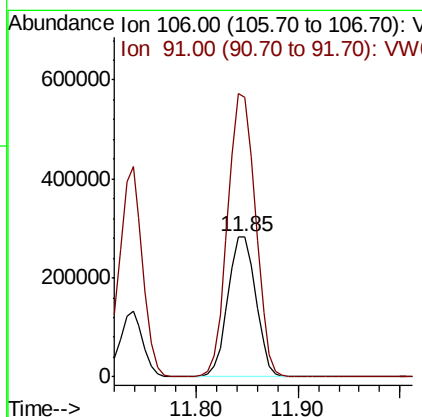
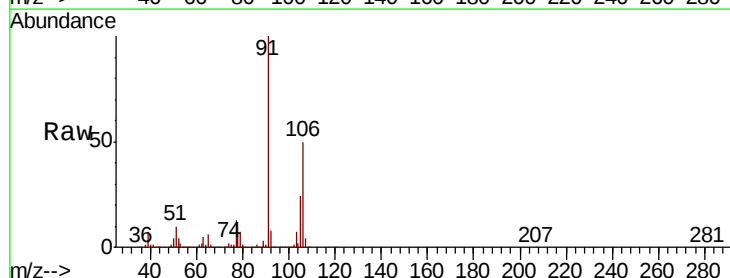
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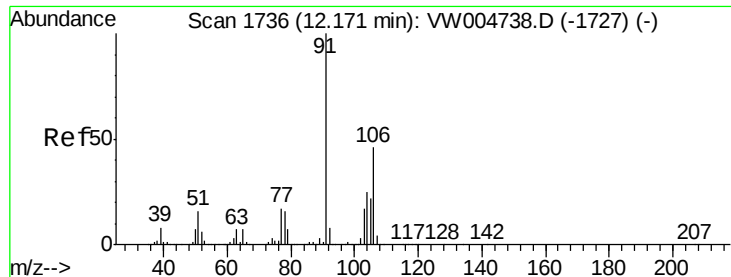
apatel
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#68
m/p-Xylenes
Concen: 39.81 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.0	159.9	239.9





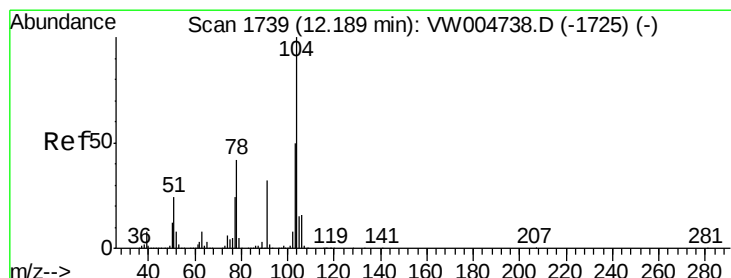
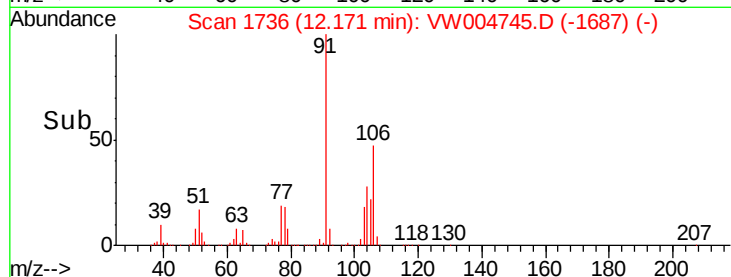
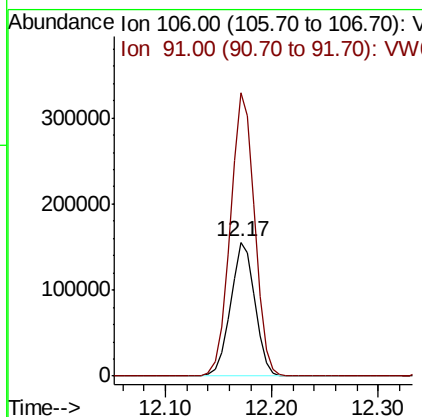
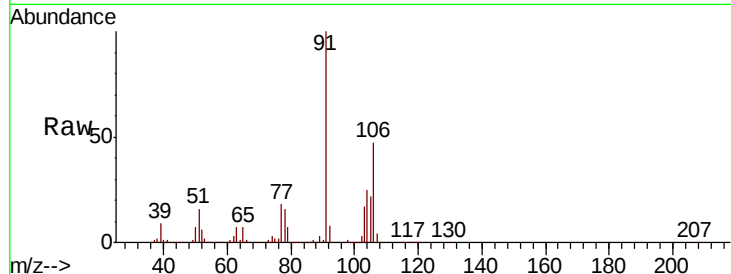
#69
o-Xylene
Concen: 19.89 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		248744		
91	211.4	107.3	321.8		

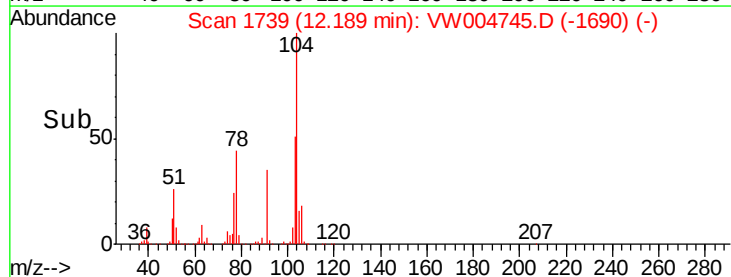
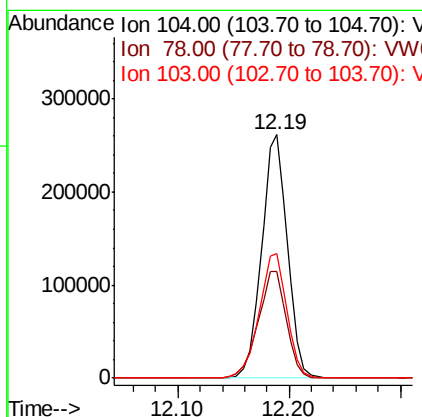
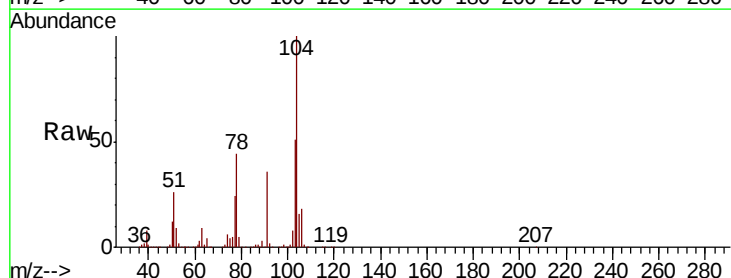
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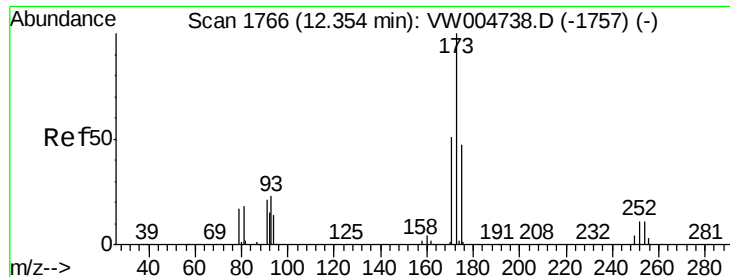
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#70
Styrene
Concen: 20.07 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		421637		
78	48.0	38.4	57.6		
103	55.3	44.1	66.1		





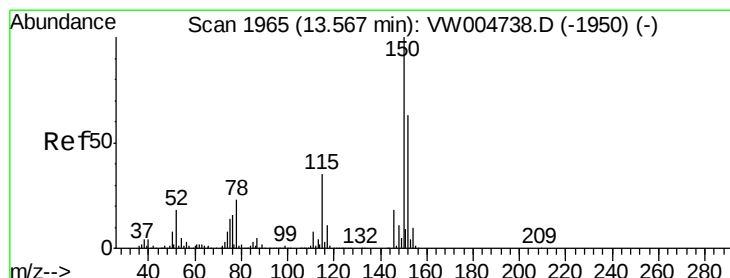
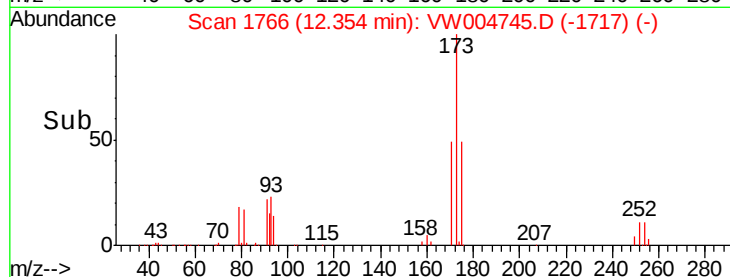
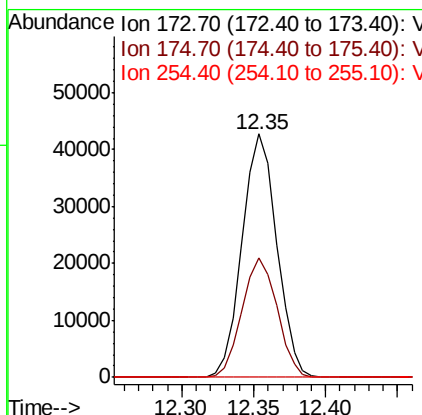
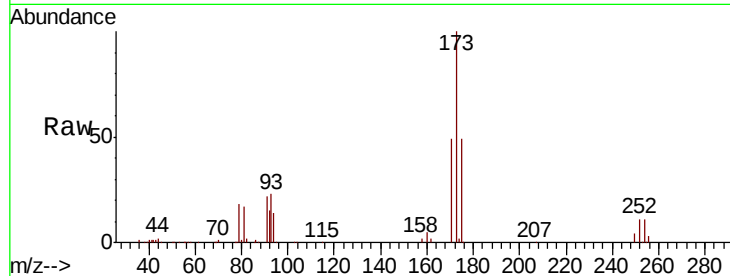
#71
Bromoform
Concen: 19.61 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.8	71.4
254	0.1	0.1	0.1

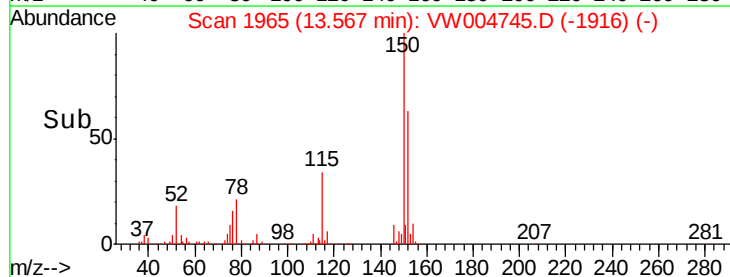
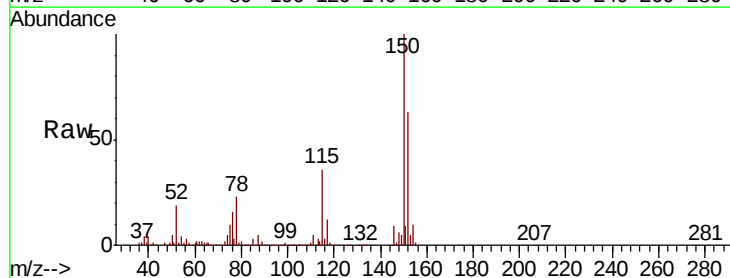
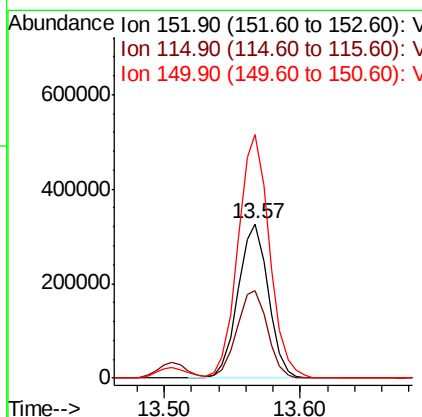
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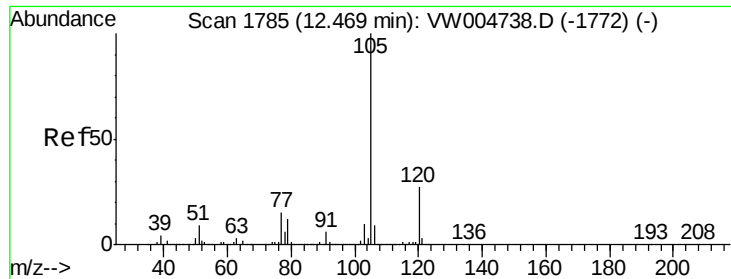
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.5	85.5
150	163.9	0.0	344.8





#73

Isopropylbenzene

Concen: 19.63 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampled :

VW0819SBS01

Tot Ion: 105 Resp: 676612

Ion Ratio Lower Upper

105 100

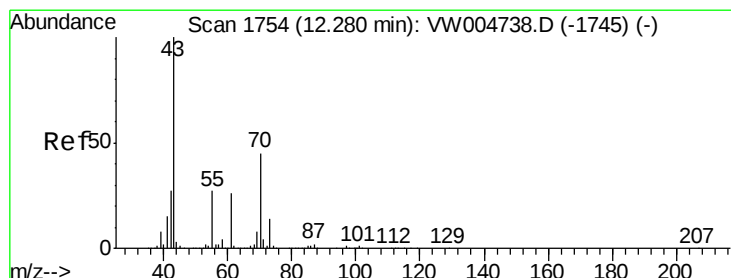
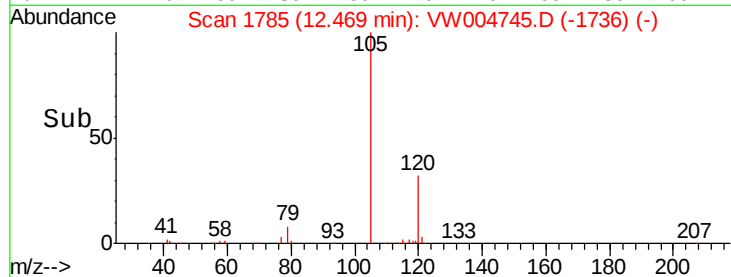
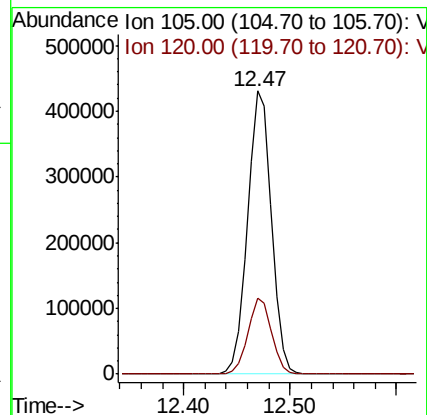
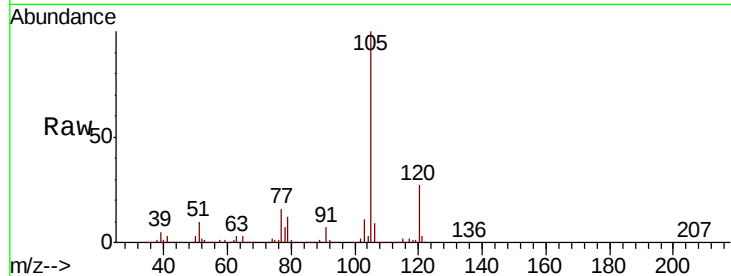
120 26.5 13.3 39.9

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#74

N-ethyl acetate

Concen: 20.62 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Tgt Ion: 43 Resp: 145741

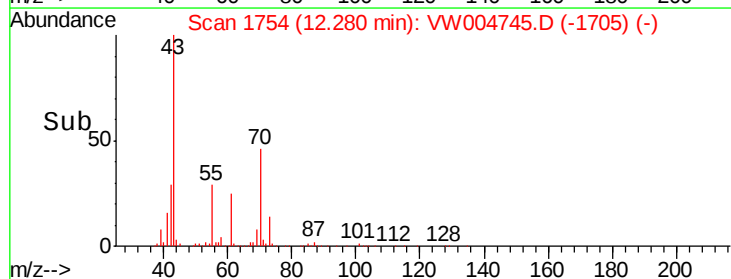
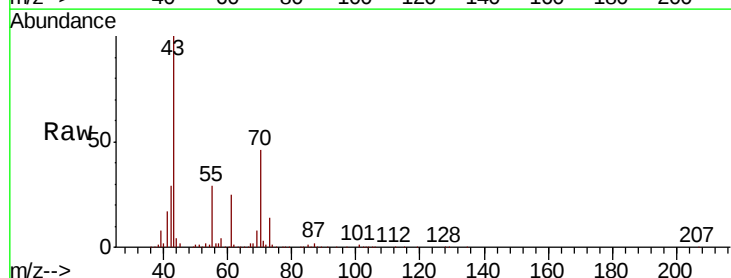
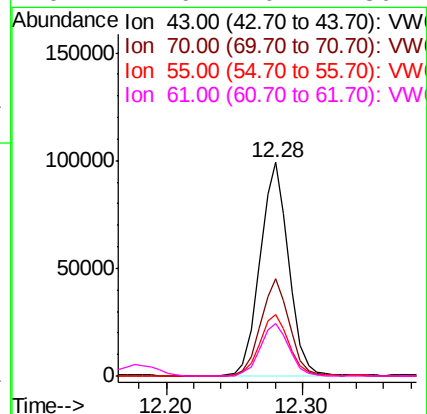
Ion Ratio Lower Upper

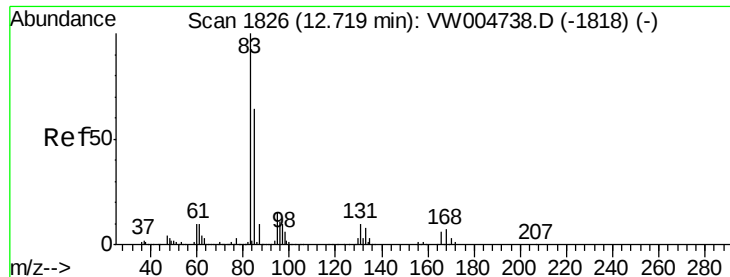
43 100

70 45.6 36.3 54.5

55 29.8 22.6 33.8

61 24.9 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.48 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleID :

VW0819SBS01

Tot Ion: 83 Resp: 130766
Ion Ratio Lower Upper

83 100

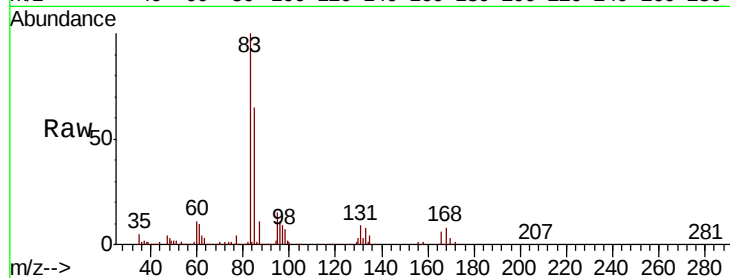
131 10.3 5.3 15.8

85 64.1 31.9 95.9

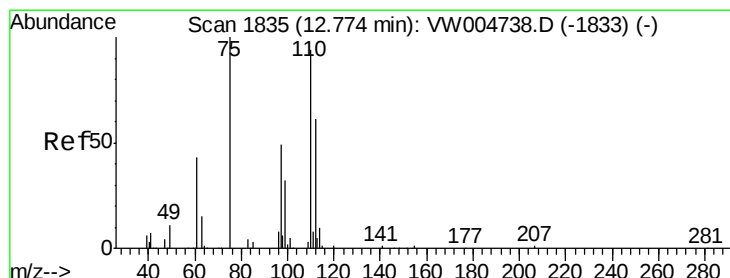
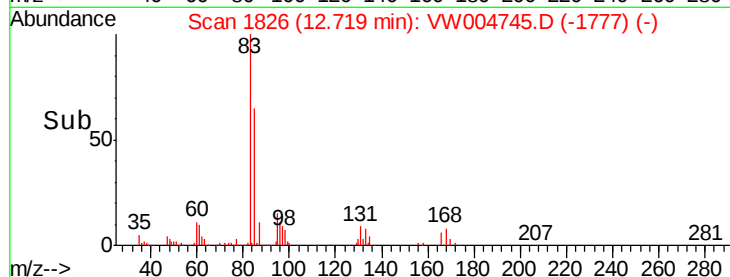
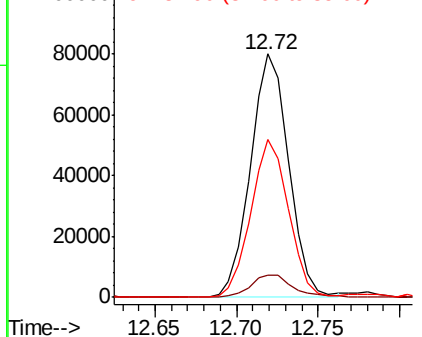
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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 23.48 ug/l m

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

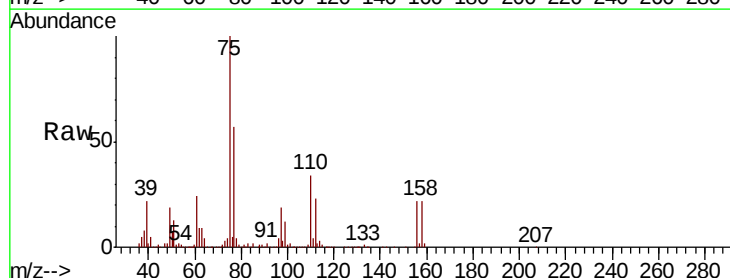
Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

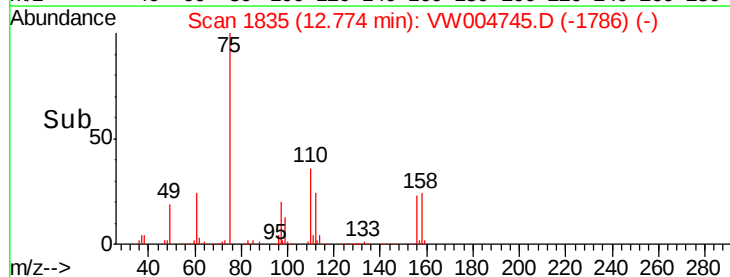
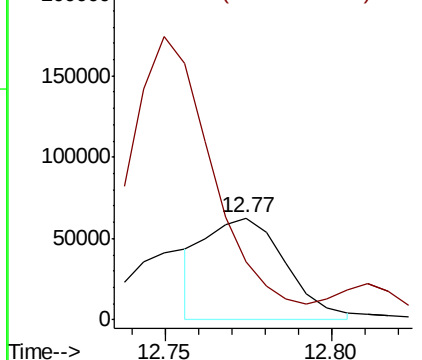
Tgt Ion: 75 Resp: 104872
Ion Ratio Lower Upper

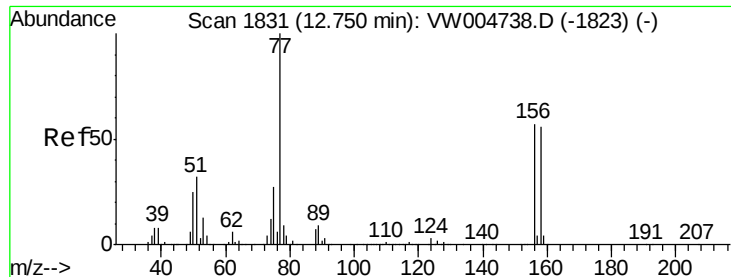
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





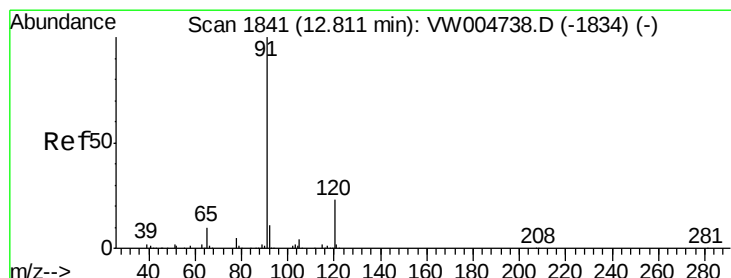
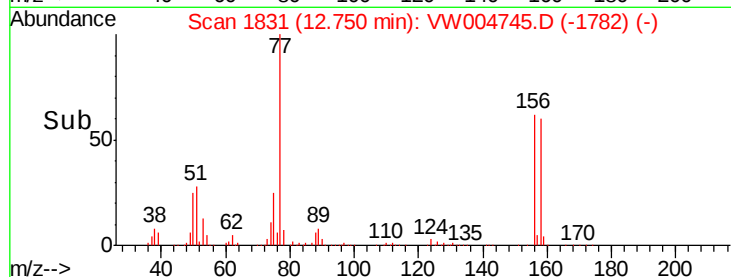
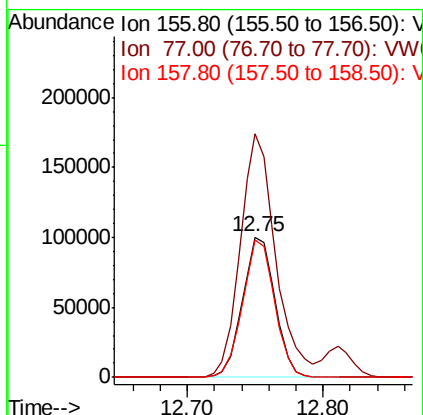
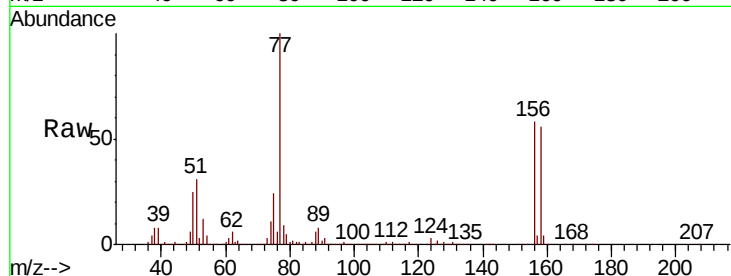
#77
Bromobenzene
Concen: 19.99 ug/l
RT: 12.75 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	188.6	94.2	282.4
158	96.7	48.6	145.9

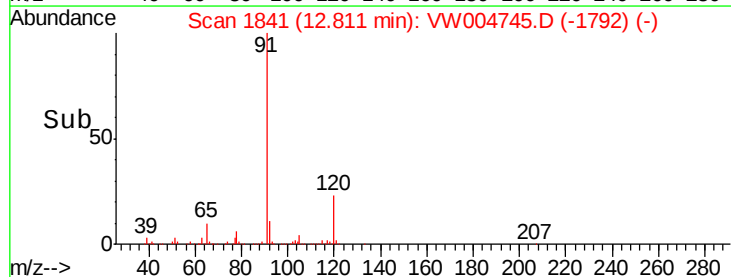
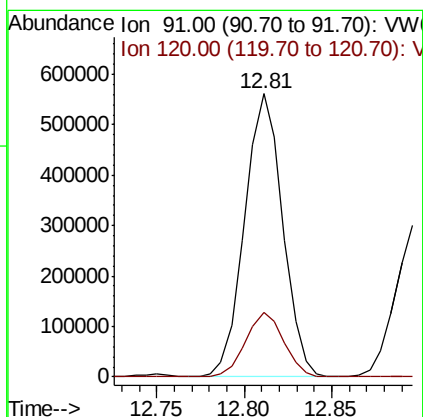
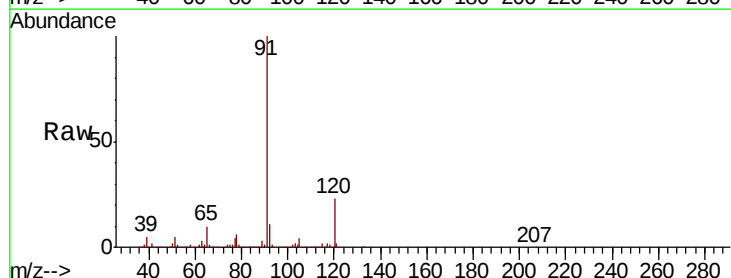
Manual Integrations
APPROVED

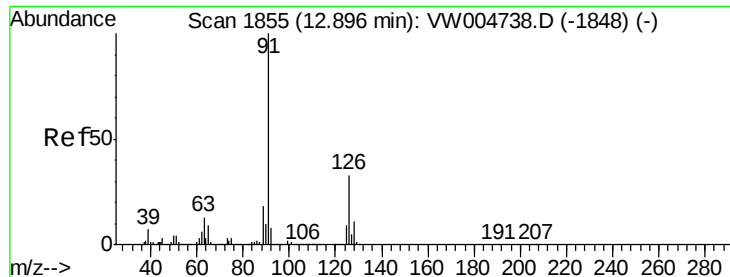
apatel
8/20/2018 9:54:21 AM



#78
n-propylbenzene
Concen: 20.16 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.2





#79

2-Chlorotoluene

Concen: 19.97 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 91 Resp: 484169

Ion Ratio Lower Upper

91 100

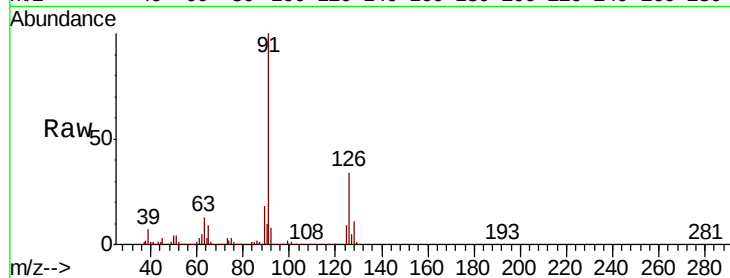
126 33.5 17.0 51.0

Manual Integrations

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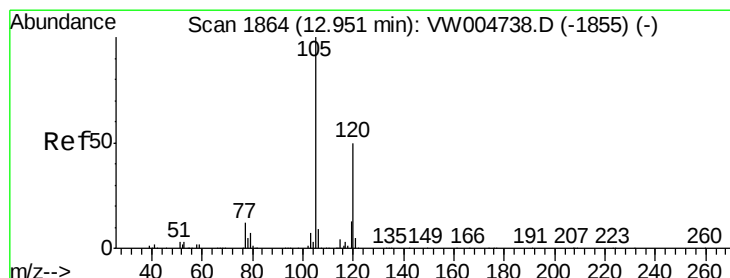
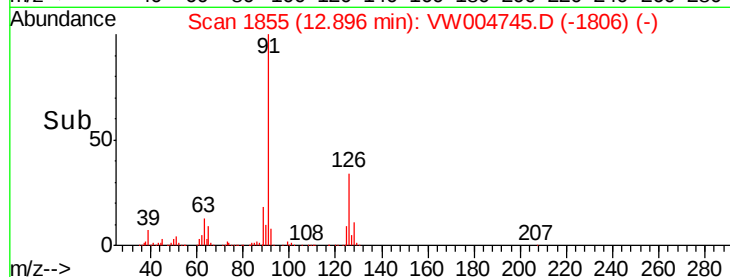
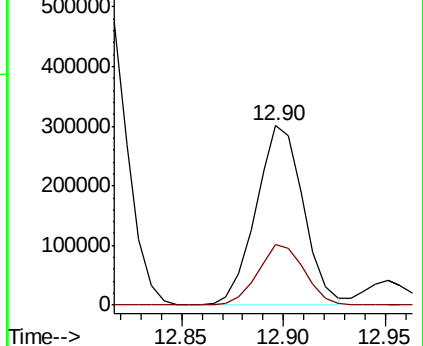
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.29 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004745.D

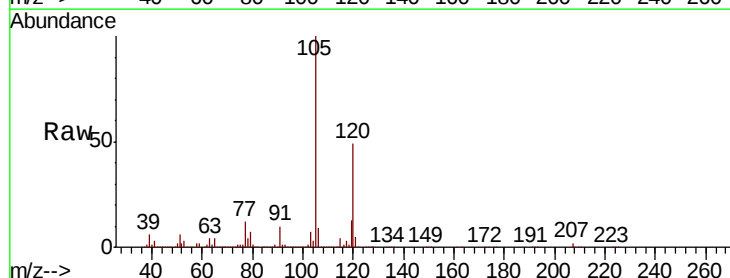
Acq: 17 Aug 2018 21:04

Tgt Ion: 105 Resp: 594174

Ion Ratio Lower Upper

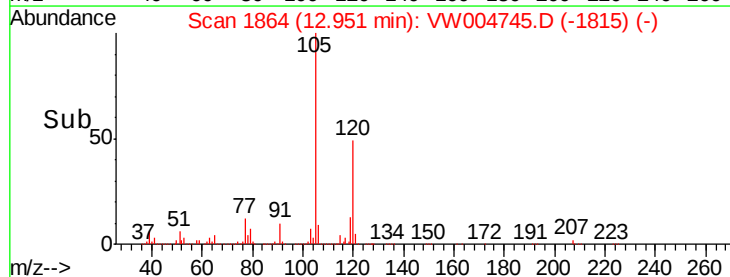
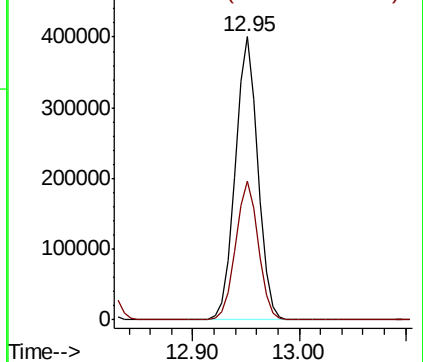
105 100

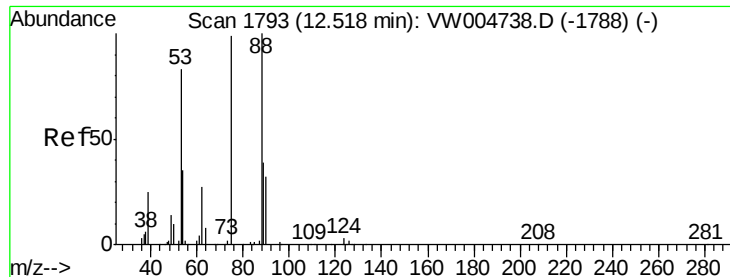
120 49.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





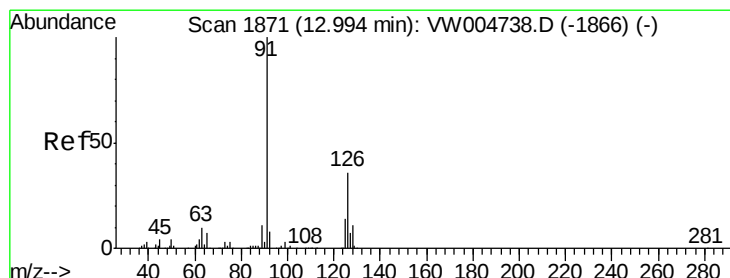
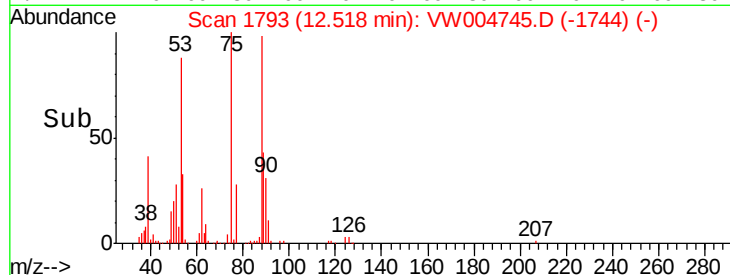
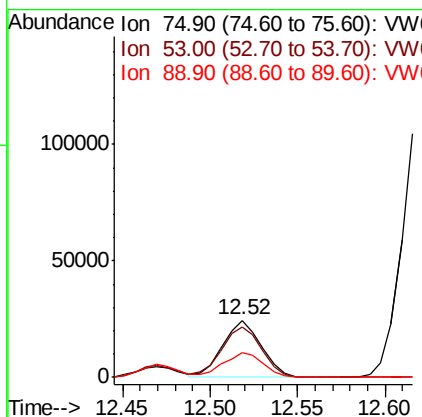
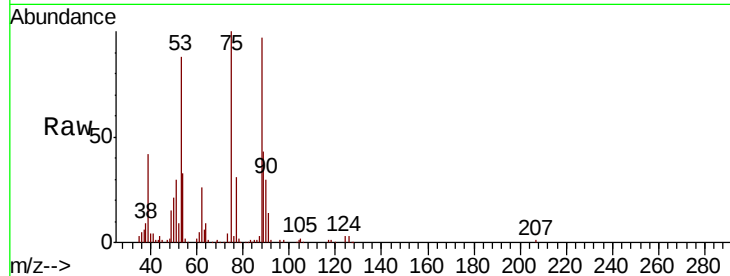
#81
trans-1,4-Dichloro-2-butene
Concen: 19.54 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	72.2	108.4
89	44.0	35.2	52.8

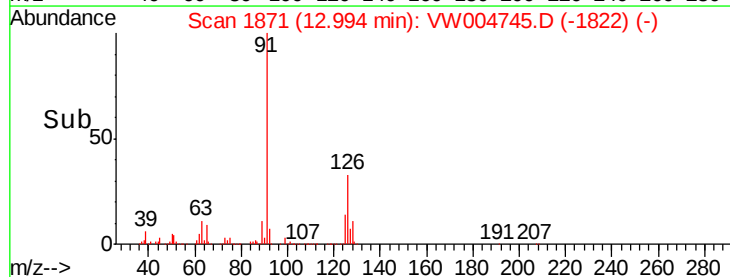
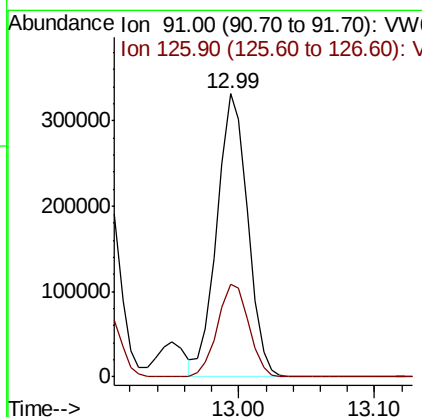
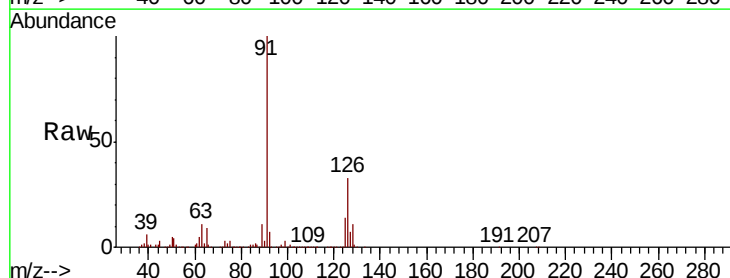
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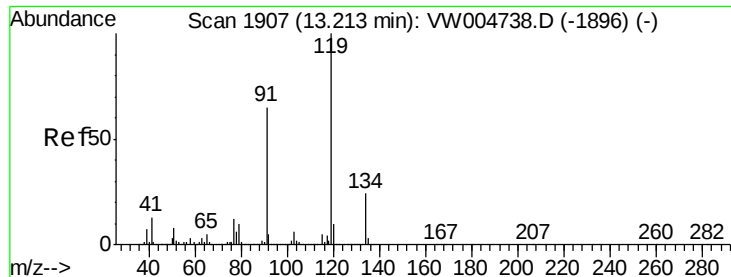
apatel
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#82
4-Chlorotoluene
Concen: 20.23 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.9	50.7





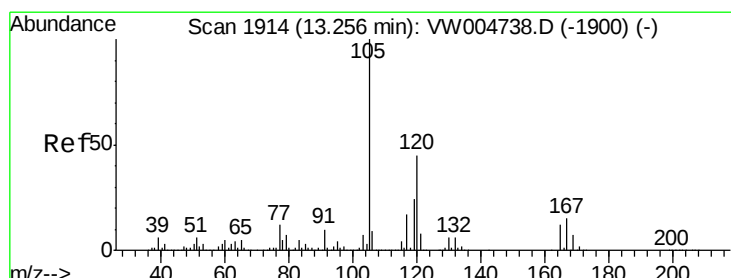
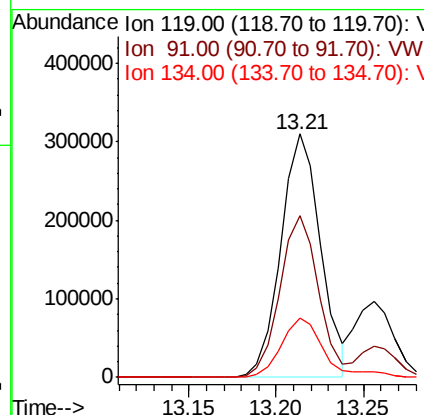
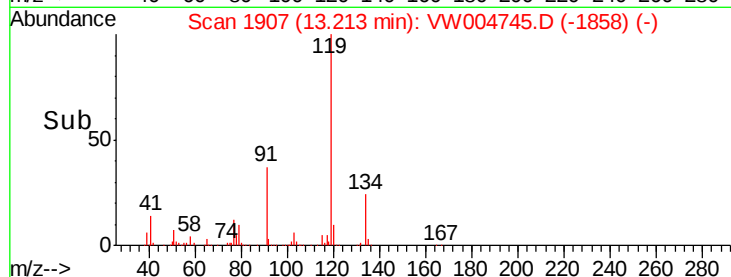
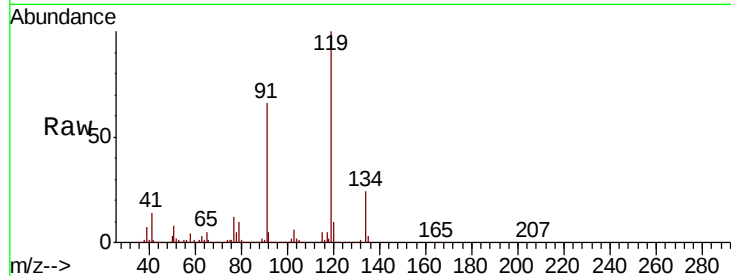
#83
 tert-Butylbenzene
 Concen: 19.63 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	491720		
91	64.1	32.6	97.8	
134	26.5	13.1	39.3	

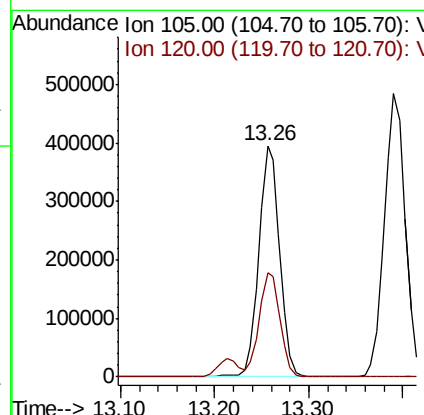
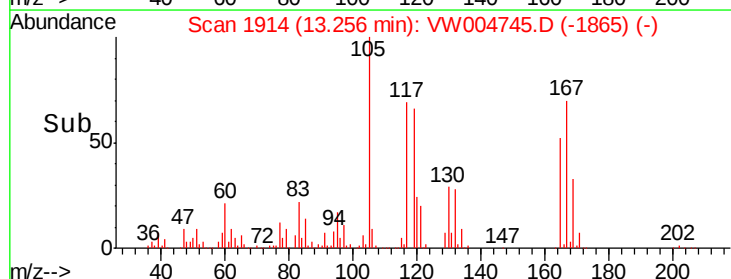
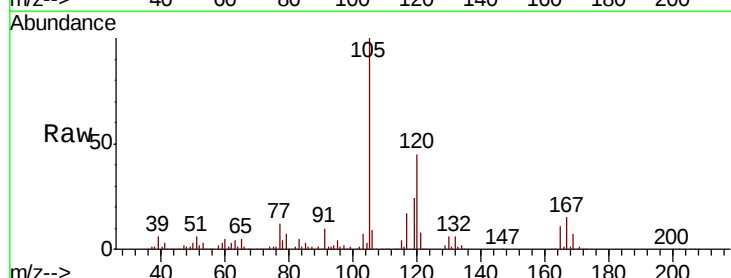
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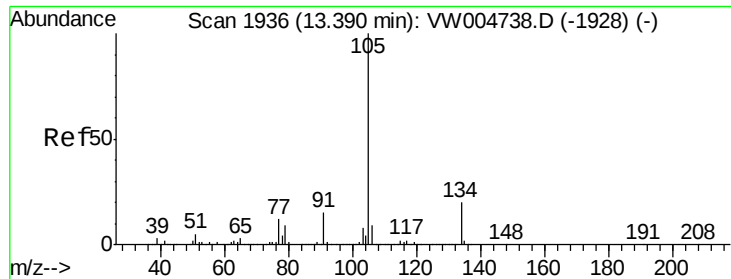
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.44 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	615714		
120	45.1	22.8	68.3	





#85

sec-Butylbenzene

Concen: 19.78 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion:105 Resp: 739520

Ion Ratio Lower Upper

105 100

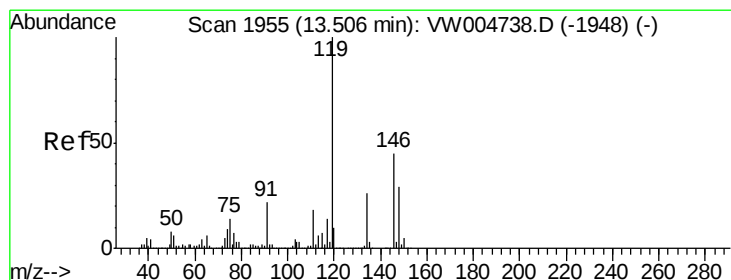
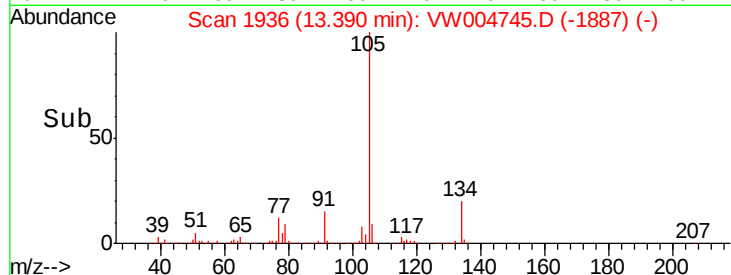
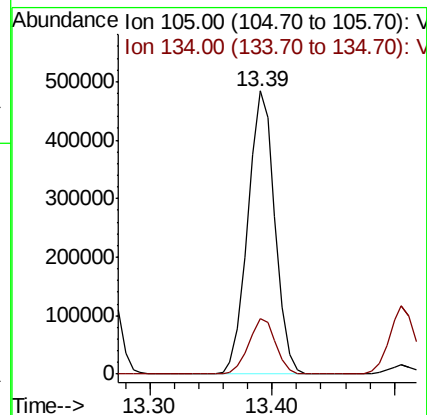
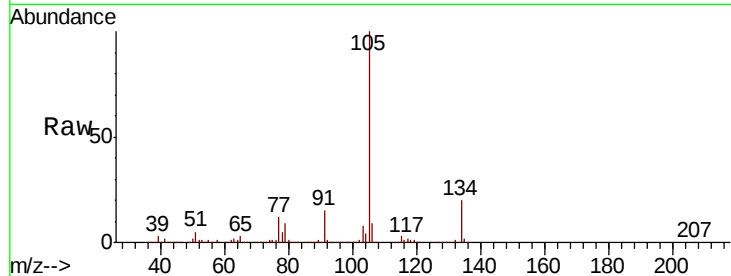
134 19.8 10.0 29.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.77 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

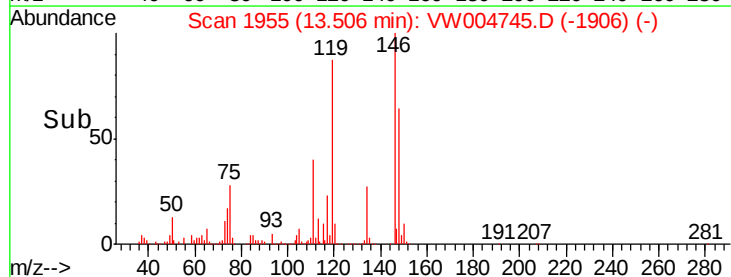
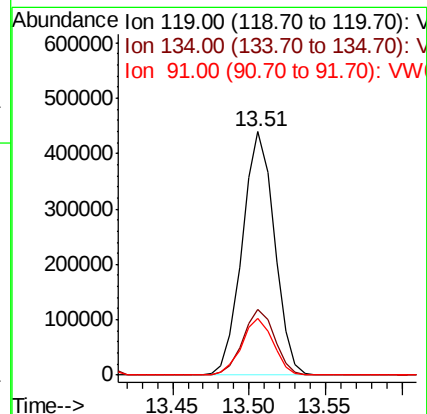
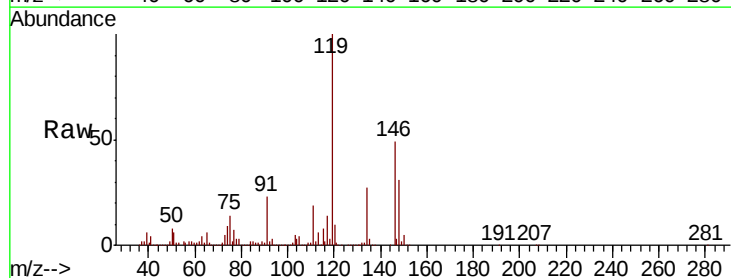
Tgt Ion:119 Resp: 643124

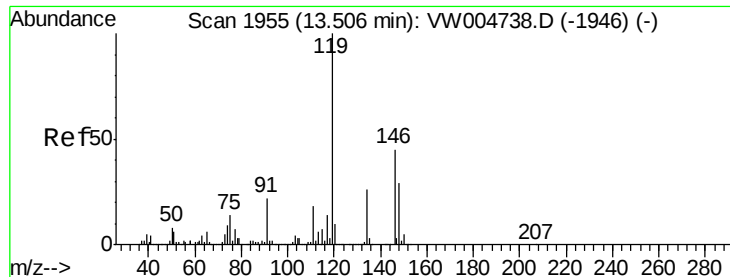
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 22.7 11.2 33.5





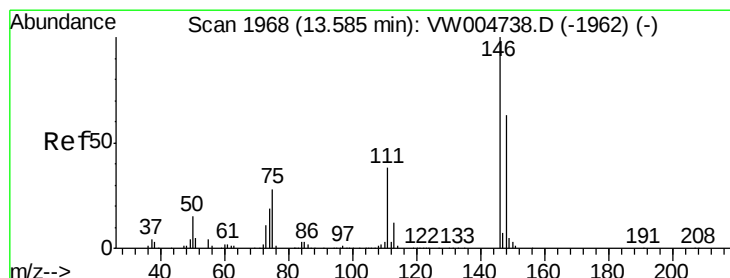
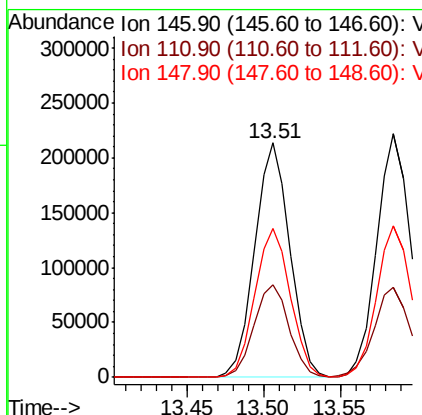
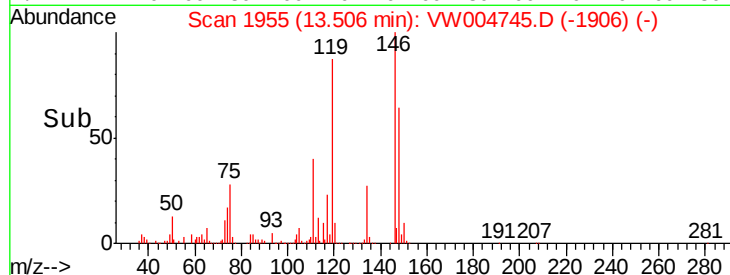
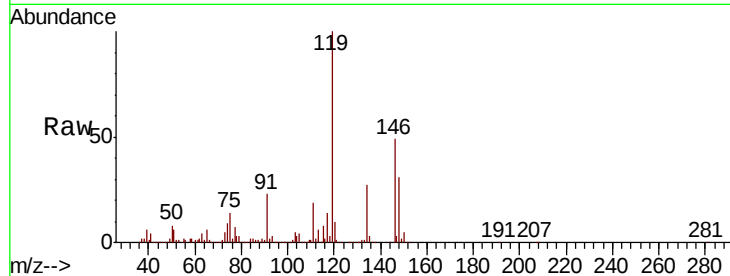
#87
 1,3-Dichlorobenzene
 Concen: 20.13 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.4
148	64.1	31.9	95.9

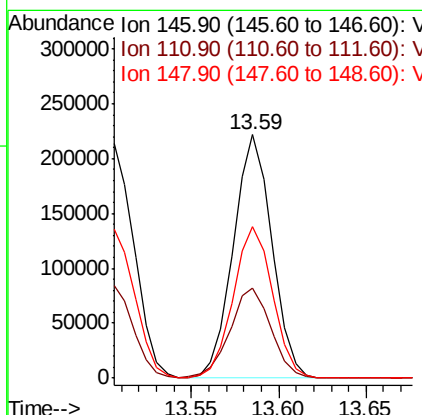
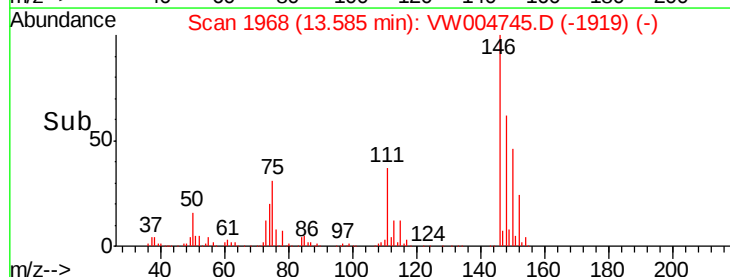
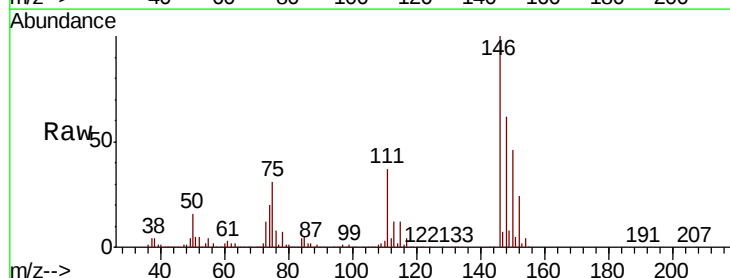
Manual Integrations
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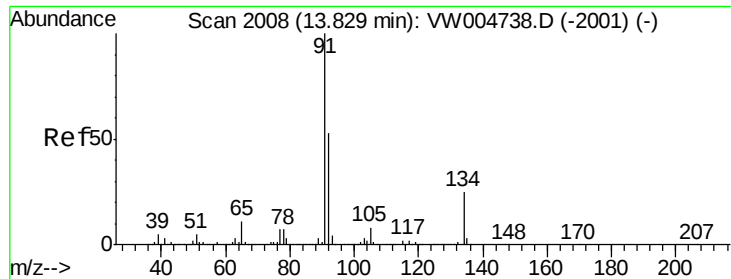
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.07 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.8
148	63.5	31.8	95.3





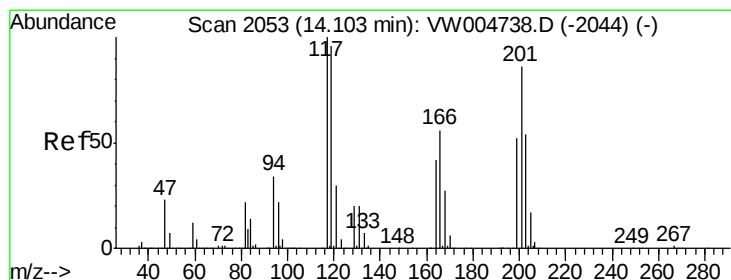
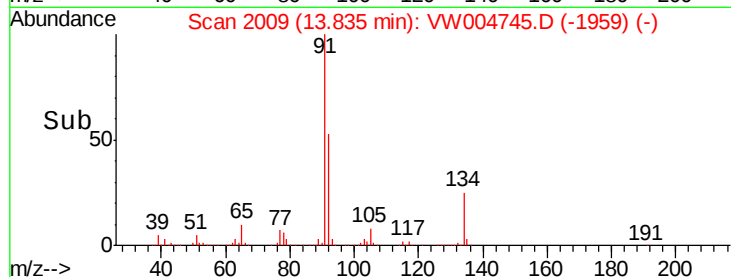
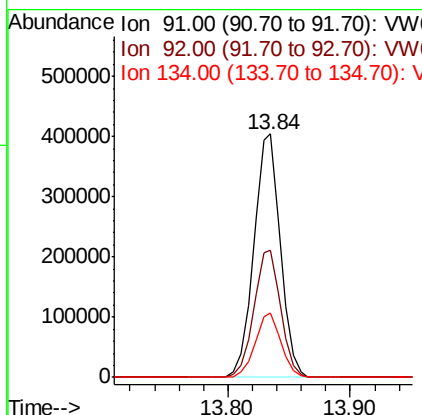
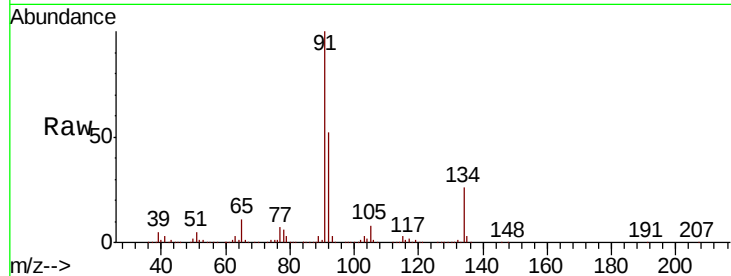
#89
n-Butylbenzene
Concen: 19.40 ug/l
RT: 13.84 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleID :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.2
134	25.7	12.8	38.3

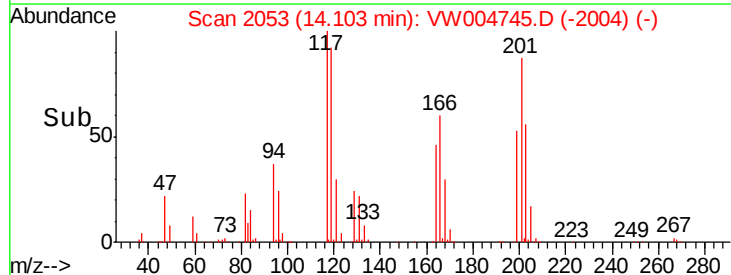
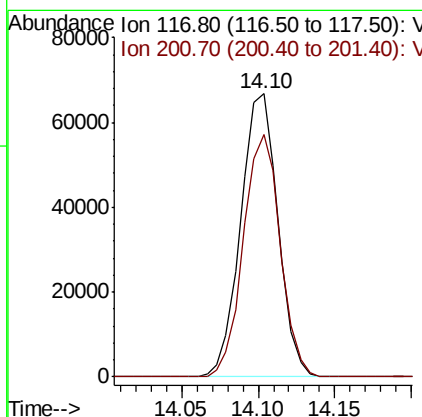
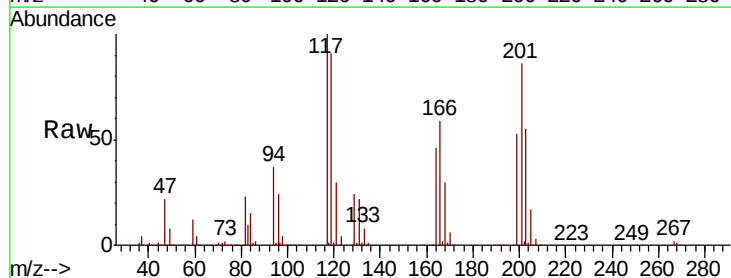
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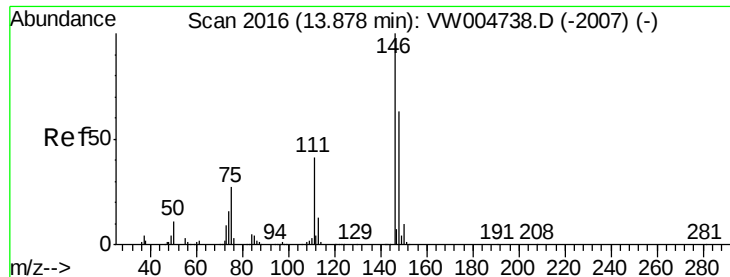
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#90
Hexachloroethane
Concen: 19.12 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	42.4	127.2





#91

1,2-Dichlorobenzene

Concen: 20.12 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

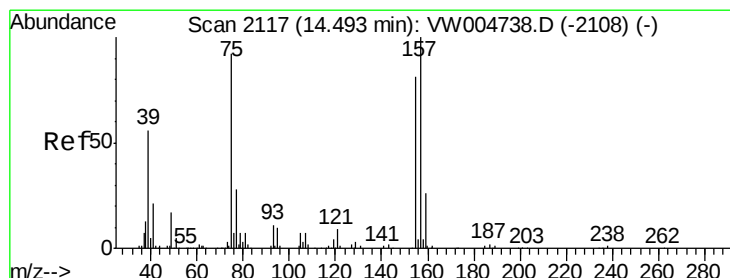
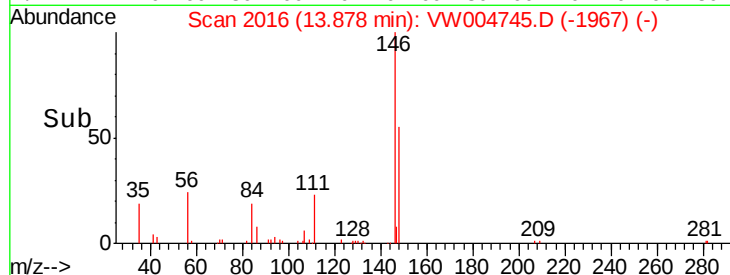
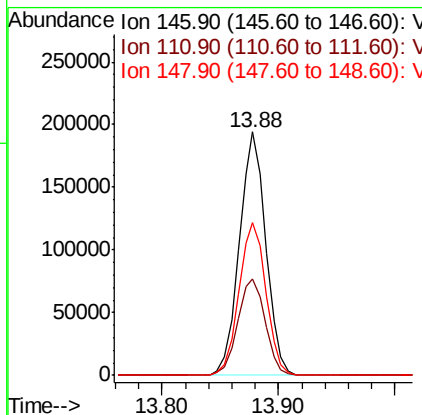
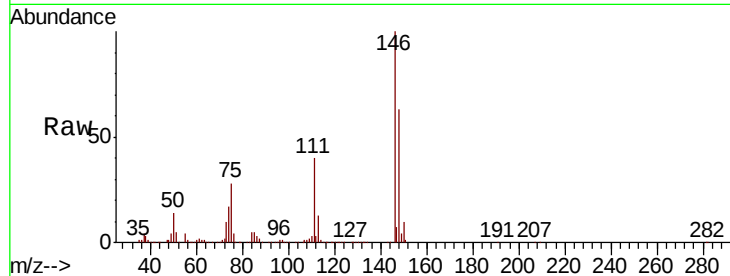
ClientSampleId :

VW0819SBS01

Tot Ion:	146	Resp:	306663
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.4	61.3
148	64.0	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.68 ug/l

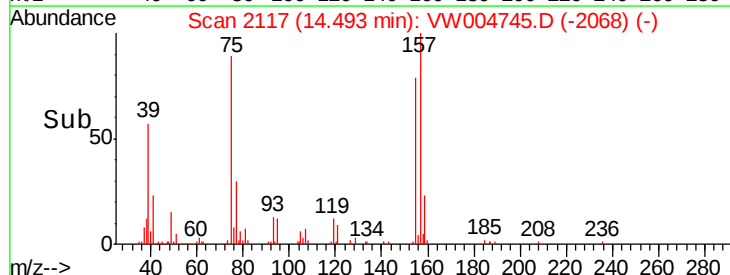
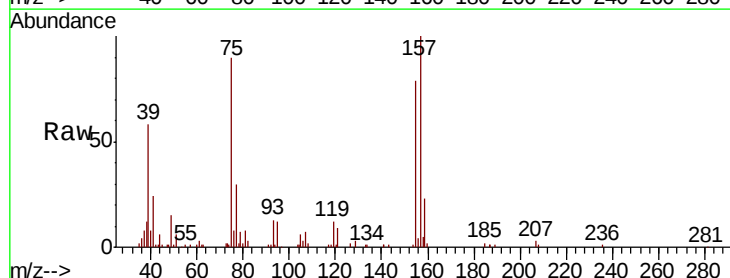
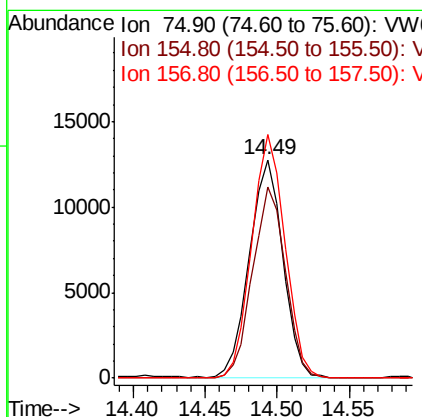
RT: 14.49 min Scan# 2117

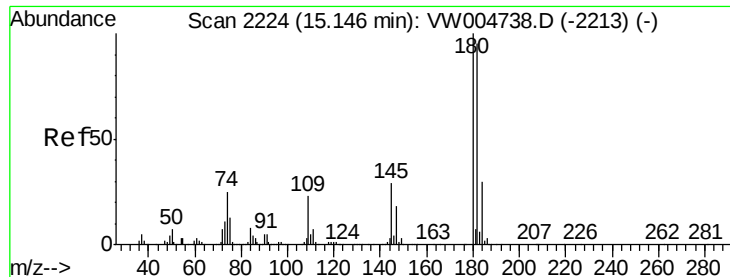
Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Tgt Ion:	75	Resp:	20632
Ion Ratio	Lower	Upper	
75	100		
155	85.1	43.3	129.9
157	109.3	54.5	163.6





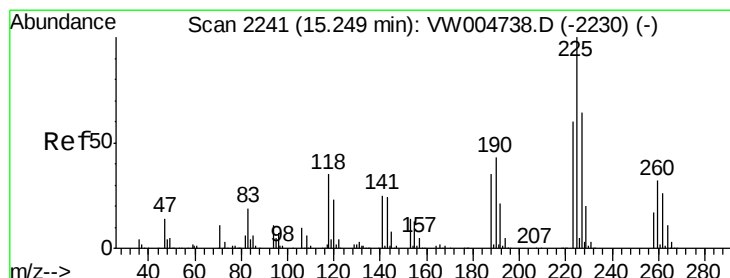
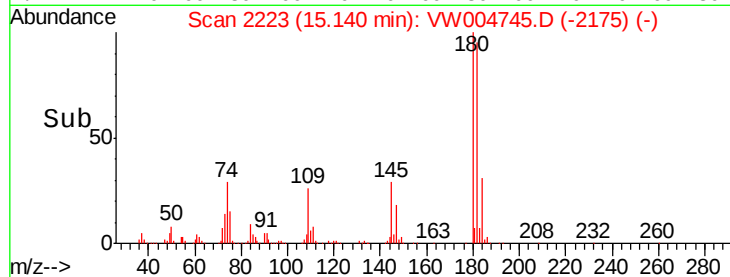
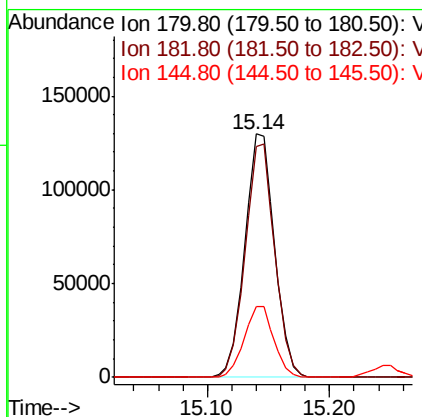
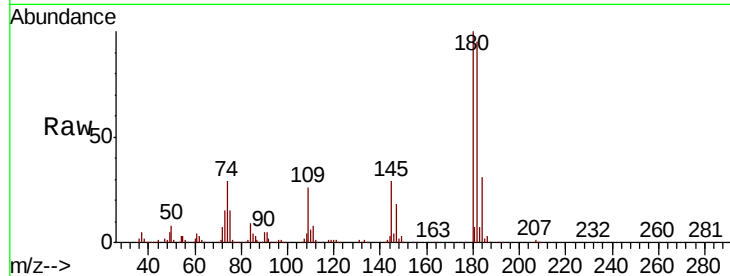
#93
 1,2,4-Trichlorobenzene
 Concen: 20.29 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	218714		
182	95.2	47.3	141.8	
145	29.2	14.6	43.8	

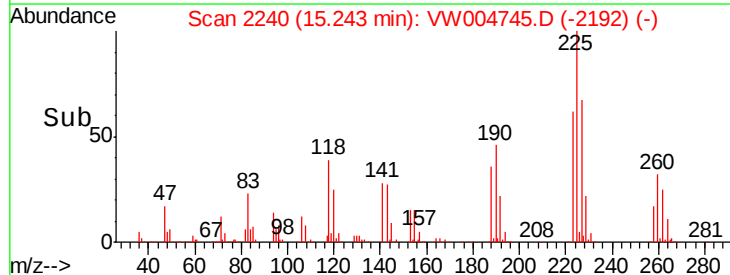
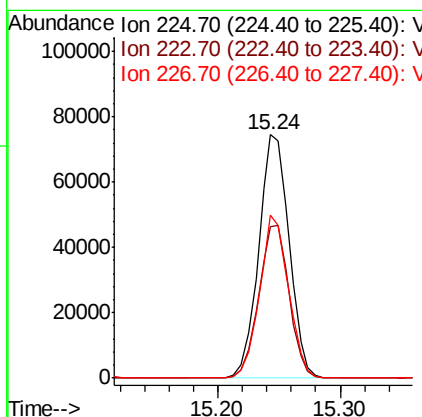
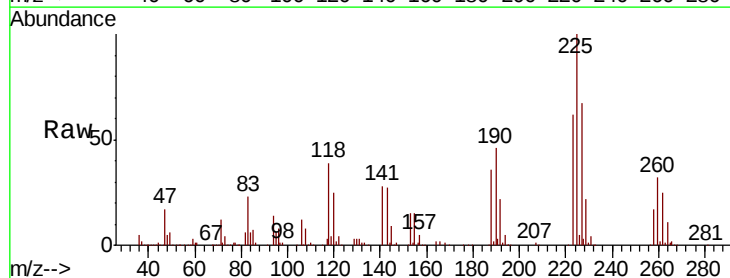
Manual Integrations
 APPROVED

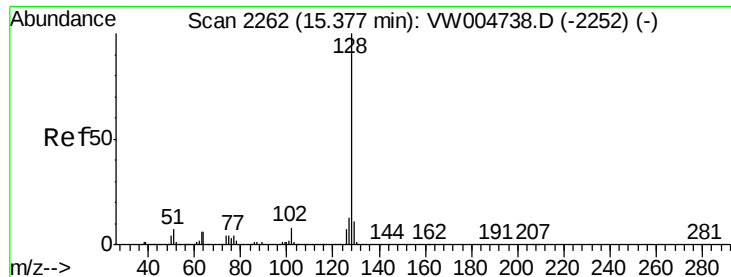
apatel
 8/20/2018 9:54:21 AM



#94
 Hexachlorobutadiene
 Concen: 19.44 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128631		
223	62.6	30.9	92.5	
227	63.6	32.0	96.0	





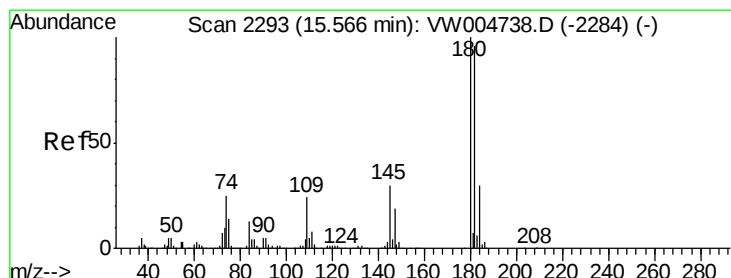
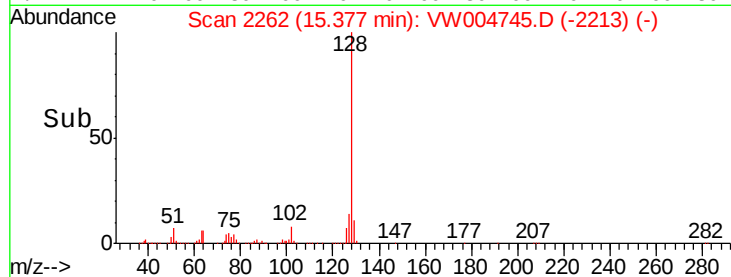
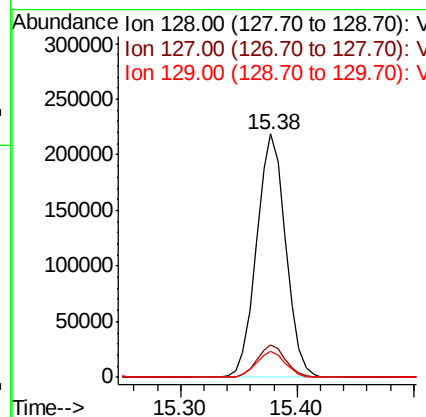
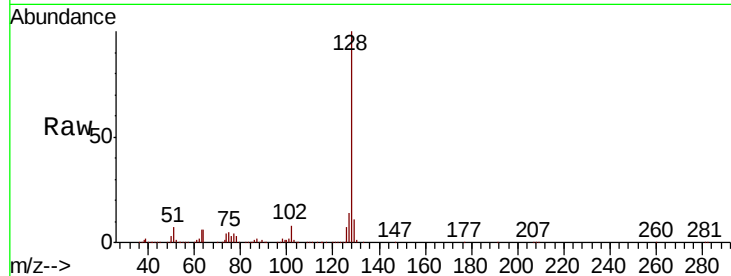
#95
Naphthalene
Concen: 20.51 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		381921		
127	13.0		10.4	15.6	
129	10.7		8.6	13.0	

Manual Integrations
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8/20/2018 9:54:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.82 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		199059		
182	94.5		47.3	142.0	
145	30.9		15.4	46.1	

