

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004156.D
 Acq On : 24 Jul 2018 01:09
 Operator : SY/AP
 Sample : VW0723SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBS02

Manual Integrations
 APPROVED

apatel
 7/24/2018 11:50:12 AM

Quant Time: Jul 24 06:44:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	242682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	394367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	372379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	195731	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	153234	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	7.88	113	132962	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.32	98	520466	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.62	95	185022	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	23847	17.50	ug/l	95
3) Chloromethane	2.20	50	40309	22.47	ug/l	100
4) Vinyl Chloride	2.36	62	51598	20.91	ug/l	99
5) Bromomethane	2.76	94	31155	20.20	ug/l	90
6) Chloroethane	2.92	64	27634	19.71	ug/l	94
7) Trichlorofluoromethane	3.24	101	20800	20.08	ug/l	100
8) Diethyl Ether	3.67	74	28386	23.61	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.04	101	49740	20.81	ug/l	99
10) Methyl Iodide	4.26	142	74356	21.66	ug/l	99
11) Tert butyl alcohol	5.20	59	22146	118.26	ug/l	100
12) 1,1-Dichloroethene	4.03	96	49517	21.00	ug/l	97
13) Acrolein	3.89	56	19025	98.88	ug/l	100
14) Allyl chloride	4.65	41	86539	22.23	ug/l	98
15) Acrylonitrile	5.37	53	75893	123.18	ug/l	100
16) Acetone	4.12	43	63256	97.04	ug/l	96
17) Carbon Disulfide	4.37	76	158942	21.59	ug/l	99
18) Methyl Acetate	4.67	43	40025	25.58	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	103844	22.97	ug/l	99
20) Methylene Chloride	4.90	84	67368	18.45	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	57806	22.36	ug/l	99
22) Diisopropyl ether	6.31	45	190639	24.23	ug/l	99
23) Vinyl Acetate	6.26	43	565867	113.51	ug/l	99
24) 1,1-Dichloroethane	6.21	63	111275	23.18	ug/l	100
25) 2-Butanone	7.18	43	102209	116.52	ug/l	100
26) 2,2-Dichloropropane	7.17	77	52255	18.96	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	62330	22.30	ug/l	99
28) Bromochloromethane	7.51	49	47324	24.09	ug/l	# 97
29) Tetrahydrofuran	7.53	42	67502	123.54	ug/l	99
30) Chloroform	7.68	83	112560	23.57	ug/l	98
31) Cyclohexane	7.95	56	94476	20.99	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	82574	22.14	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84808	20.90	ug/l	99
37) Ethyl Acetate	7.26	43	47221	24.13	ug/l	99
38) Carbon Tetrachloride	8.07	117	77180	20.36	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	91019	19.15	ug/l	92
40) Benzene	8.32	78	249774	22.19	ug/l	97
41) Methacrylonitrile	7.49	41	26489	24.43	ug/l	89
42) 1,2-Dichloroethane	8.40	62	79282	23.09	ug/l	100
43) Isopropyl Acetate	8.43	43	84176	23.00	ug/l	99
44) Trichloroethene	9.09	130	61648	21.13	ug/l	99
45) 1,2-Dichloropropane	9.37	63	66013	22.98	ug/l	96
46) Dibromomethane	9.46	93	33986	22.80	ug/l	98
47) Bromodichloromethane	9.65	83	81686	22.23	ug/l	98
48) Methyl methacrylate	9.44	41	43519	24.58	ug/l	92
49) 1,4-Dioxane	9.46	88	11263	491.47	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	231492	118.71	ug/l	99
52) Toluene	10.39	92	153509	22.05	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	79846	20.78	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	91165	20.74	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	48085	22.93	ug/l	98
56) Ethyl methacrylate	10.65	69	59879	21.73	ug/l	97
57) 1,3-Dichloropropane	10.93	76	84318	23.15	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	151490	121.79	ug/l	99
59) 2-Hexanone	10.98	43	155769	113.33	ug/l	99
60) Dibromochloromethane	11.13	129	54061	22.14	ug/l	100
61) 1,2-Dibromoethane	11.24	107	46945	23.53	ug/l	100
64) Tetrachloroethene	10.87	164	61183	23.95	ug/l	97
65) Chlorobenzene	11.66	112	169384	21.39	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	58638	21.31	ug/l	99
67) Ethyl Benzene	11.74	91	285055	20.49	ug/l	100
68) m/p-Xylenes	11.85	106	222700	41.89	ug/l	99
69) o-Xylene	12.17	106	101572	20.60	ug/l	99
70) Styrene	12.19	104	176329	21.41	ug/l	99
71) Bromoform	12.35	173	33098	21.30	ug/l #	98
73) Isopropylbenzene	12.47	105	276011	19.96	ug/l	99
74) N-amyl acetate	12.28	43	78082	21.67	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	59975	22.42	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	48978m	25.21	ug/l	
77) Bromobenzene	12.75	156	68425	20.68	ug/l	97
78) n-propylbenzene	12.81	91	347823	20.50	ug/l	99
79) 2-Chlorotoluene	12.90	91	197943	20.68	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	239980	20.62	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	16261	18.51	ug/l	97
82) 4-Chlorotoluene	12.99	91	215667	21.00	ug/l	99
83) tert-Butylbenzene	13.21	119	191461	19.59	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	249841	20.86	ug/l	100
85) sec-Butylbenzene	13.39	105	289094	19.94	ug/l	100
86) p-Isopropyltoluene	13.51	119	254367	20.00	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	137973	20.87	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	138823	20.94	ug/l	99
89) n-Butylbenzene	13.83	91	242213	19.37	ug/l	99
90) Hexachloroethane	14.10	117	46861	19.99	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	125679	21.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10425	21.92	ug/l	98

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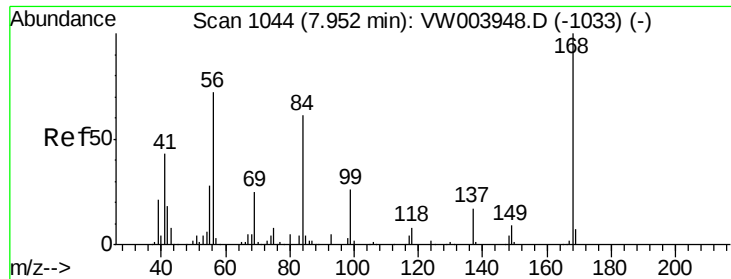
Manual Integrations
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7/24/2018 11:50:12 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	83255	20.13	ug/l	100
94) Hexachlorobutadiene	15.24	225	47464	19.98	ug/l	98
95) Naphthalene	15.38	128	159054	20.83	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	77168	21.07	ug/l	98

(#) = 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: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW0723SBSD02

Tot Ion:168 Resp: 242682

Ion Ratio Lower Upper

168 100

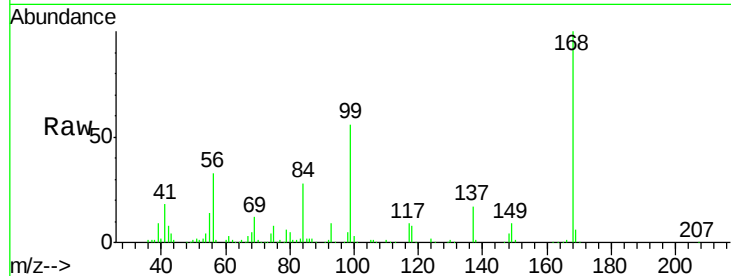
99 55.7 43.8 65.6

Manual Integrations

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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

120000

100000

80000

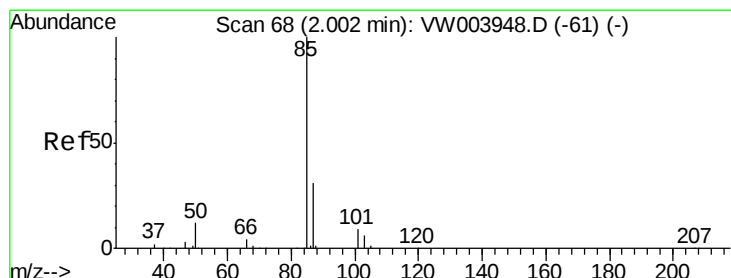
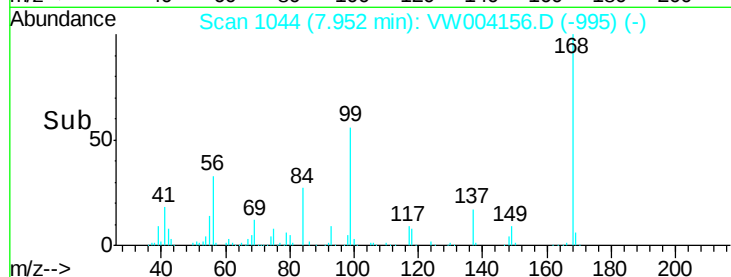
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.50 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004156.D

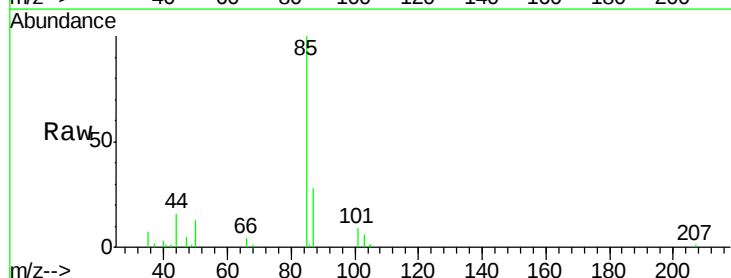
Acq: 24 Jul 2018 01:09

Tgt Ion: 85 Resp: 23847

Ion Ratio Lower Upper

85 100

87 28.0 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

8000

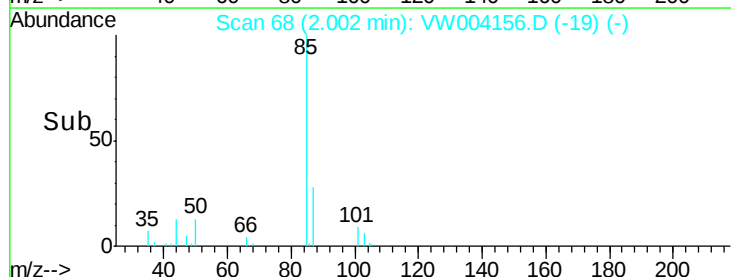
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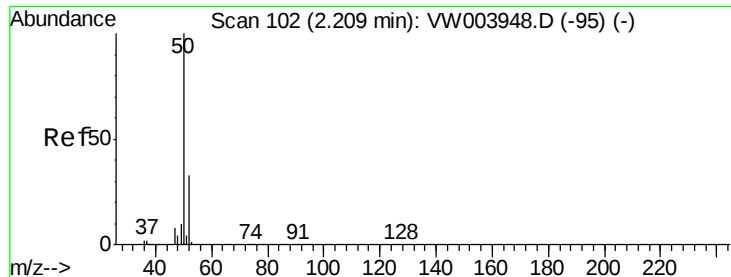
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 22.47 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW0723SBS02

Tot Ion: 50 Resp: 40309

Ion Ratio Lower Upper

50 100

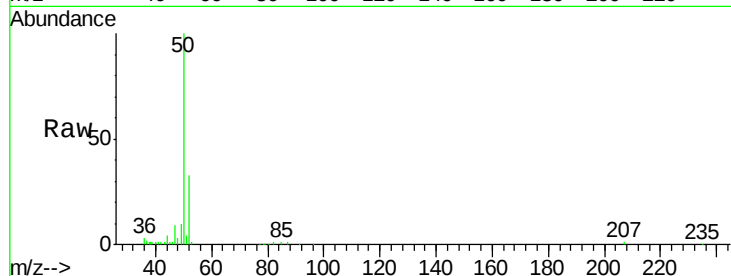
52 33.1 26.3 39.5

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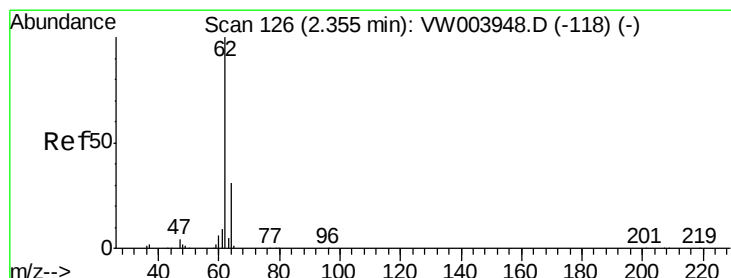
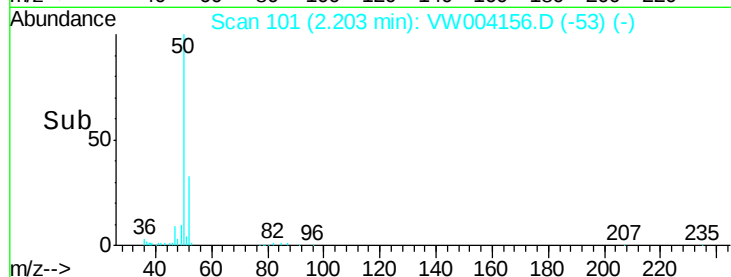
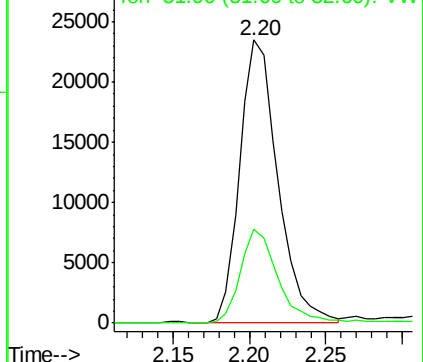
apatel

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.91 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004156.D

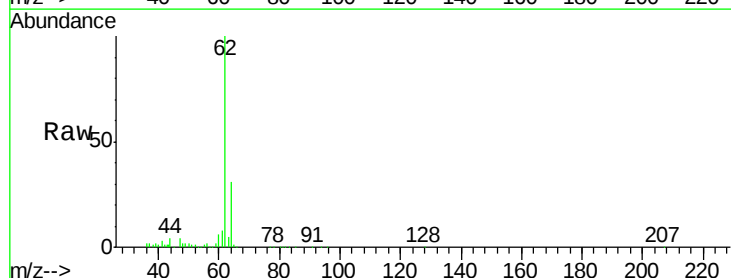
Acq: 24 Jul 2018 01:09

Tgt Ion: 62 Resp: 51598

Ion Ratio Lower Upper

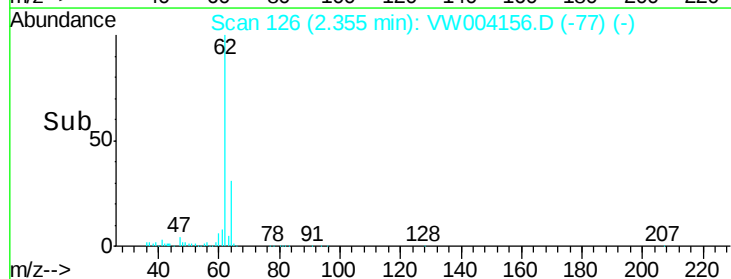
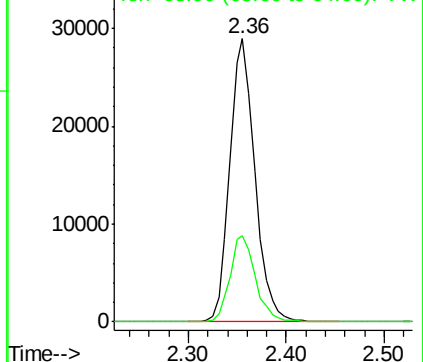
62 100

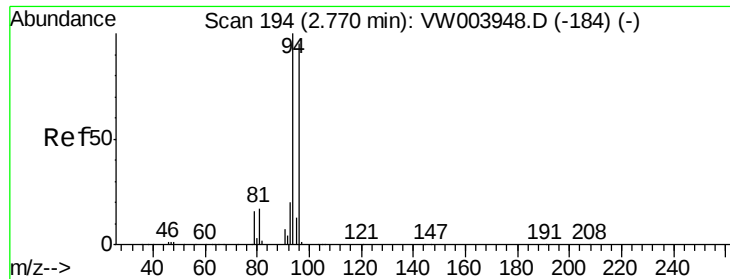
64 30.7 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.20 ug/l

RT: 2.76 min Scan# 192

Delta R.T. -0.01 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW0723SBS02

Tot Ion: 94 Resp: 31155

Ion Ratio Lower Upper

94 100

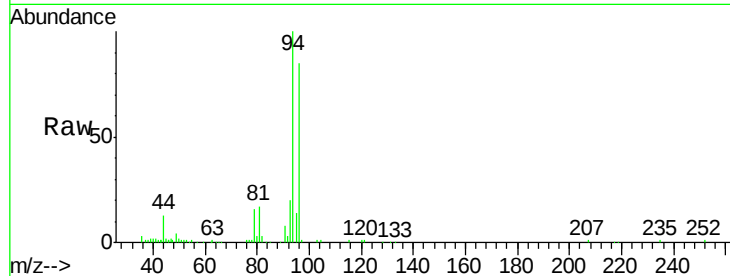
96 84.6 75.8 113.6

Manual Integrations

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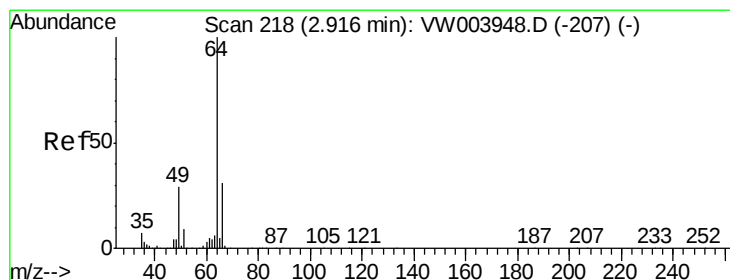
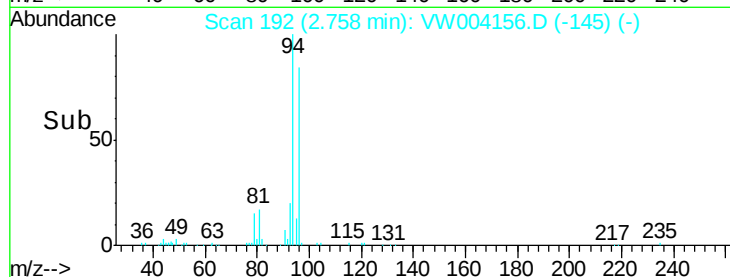
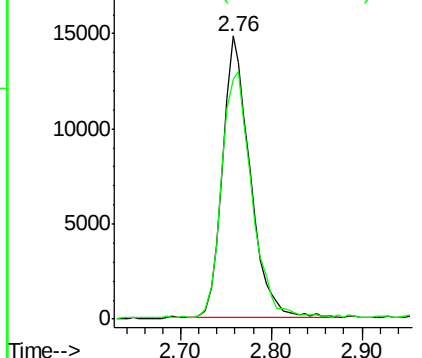
apatel

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.71 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.00 min

Lab File: VW004156.D

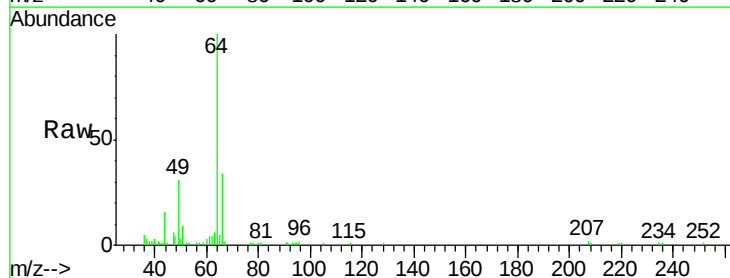
Acq: 24 Jul 2018 01:09

Tgt Ion: 64 Resp: 27634

Ion Ratio Lower Upper

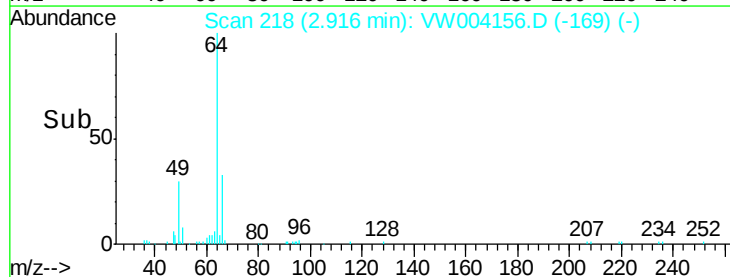
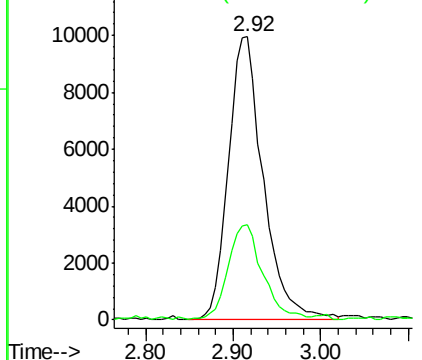
64 100

66 33.8 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

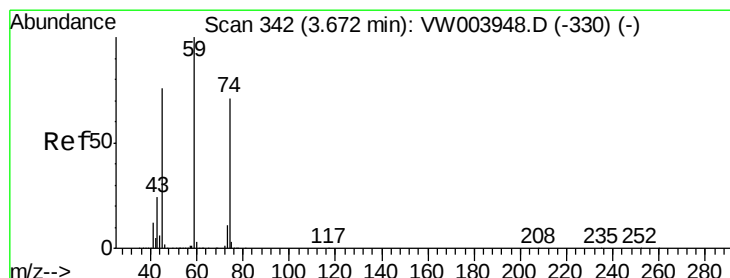
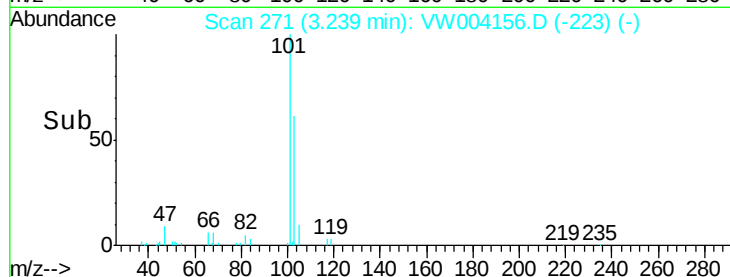
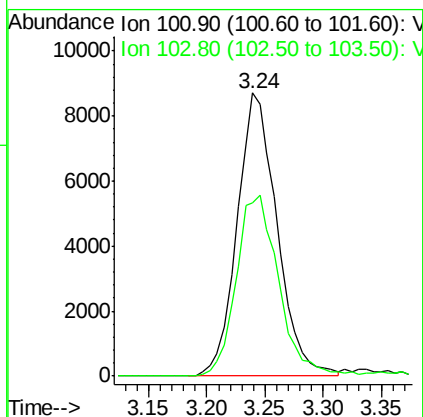
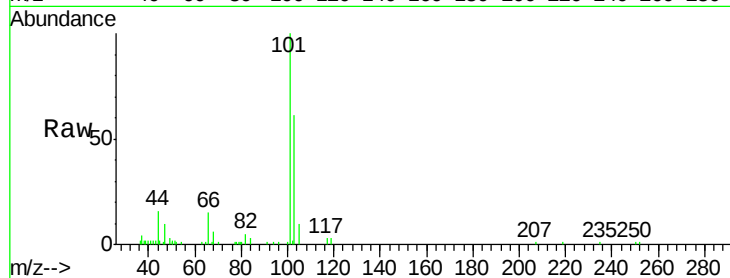
Trichlorofluoromethane
Concen: 20.08 ug/l
RT: 3.24 min Scan# 271
Delta R.T. -0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

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ClientSampleId :
VW0723SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	49.0	73.6

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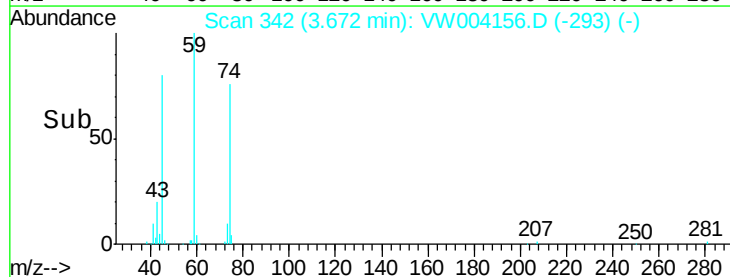
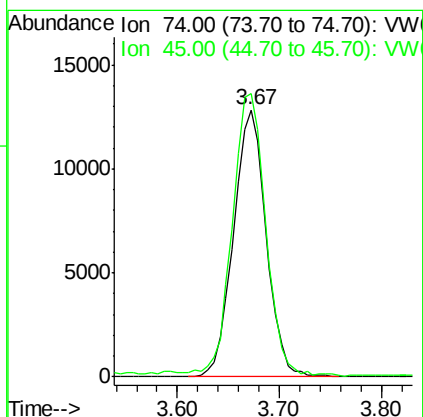
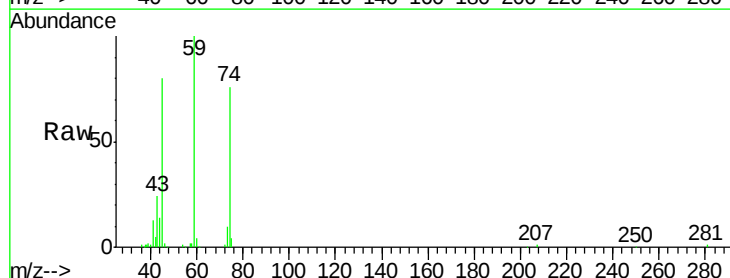
apatel
7/24/2018 11:50:12 AM

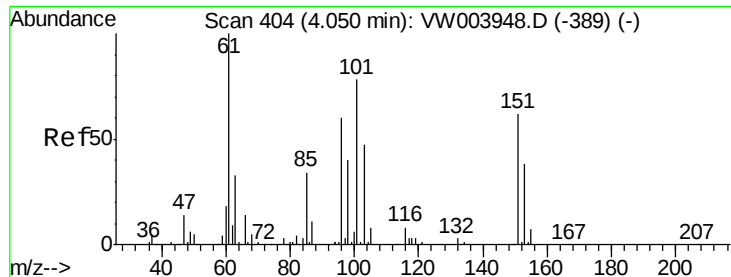


#8

Diethyl Ether
Concen: 23.61 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.8	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.81 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

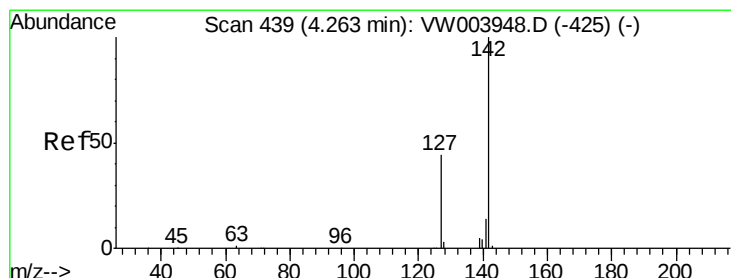
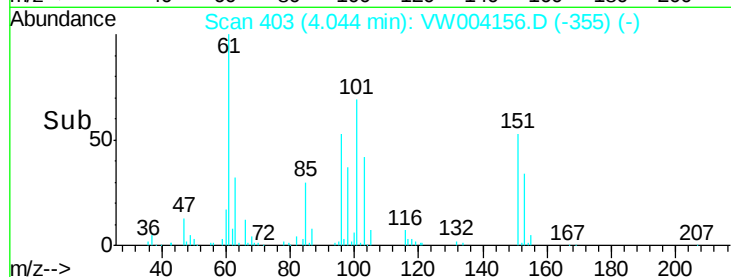
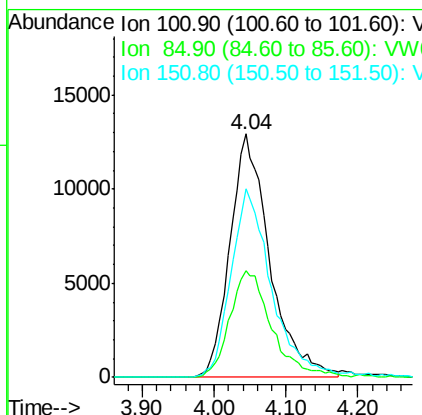
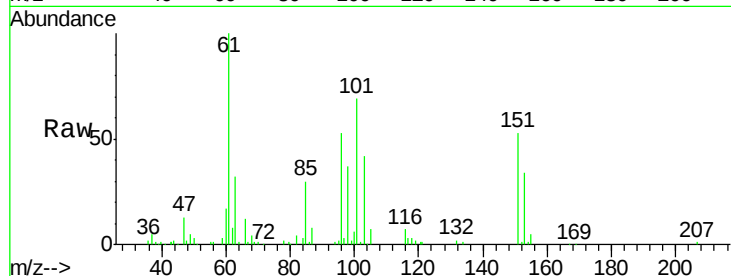
ClientSampleId :

VW0723SBS02

Tot Ion:	101	Resp:	49740
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.8	53.6
151	78.8	63.6	95.4

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#10

Methyl Iodide

Concen: 21.66 ug/l

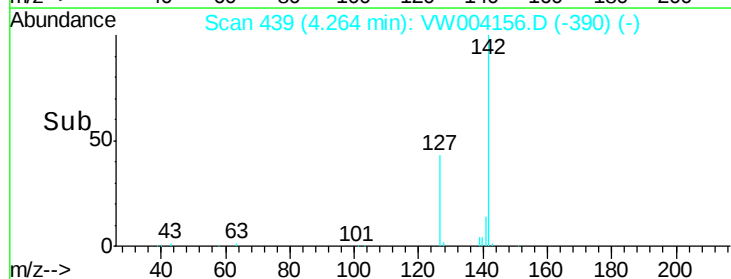
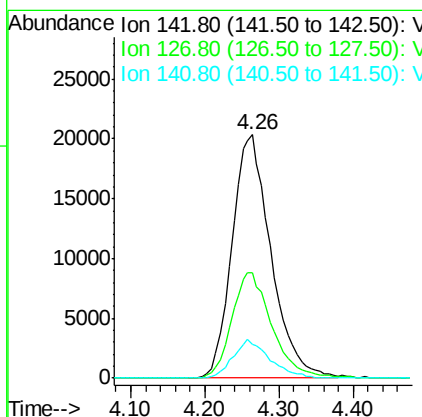
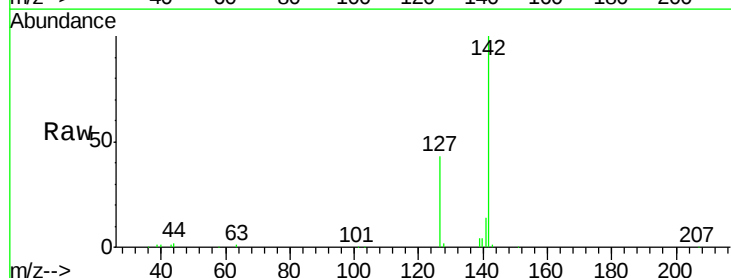
RT: 4.26 min Scan# 439

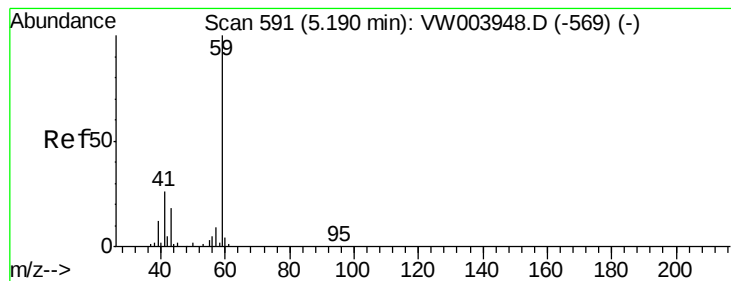
Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Tgt Ion:	142	Resp:	74356
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.4	53.2
141	14.9	11.7	17.5





#11

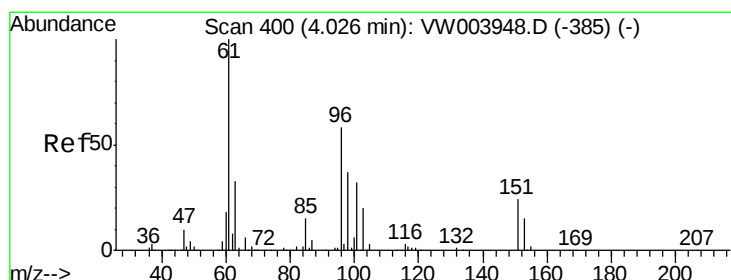
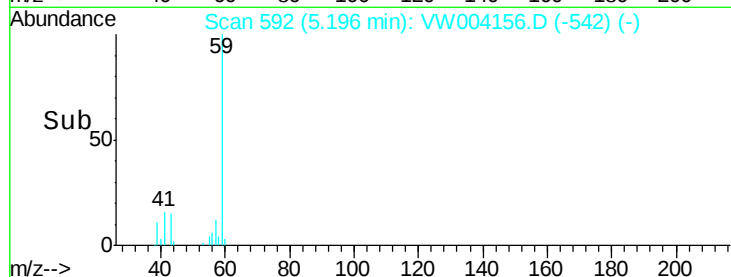
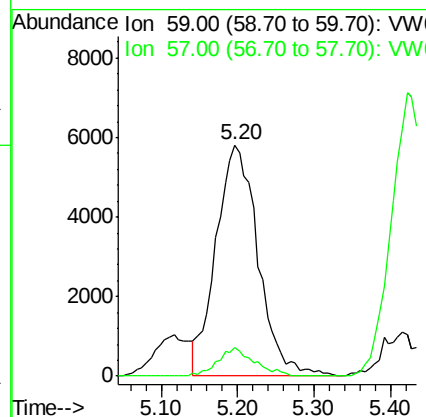
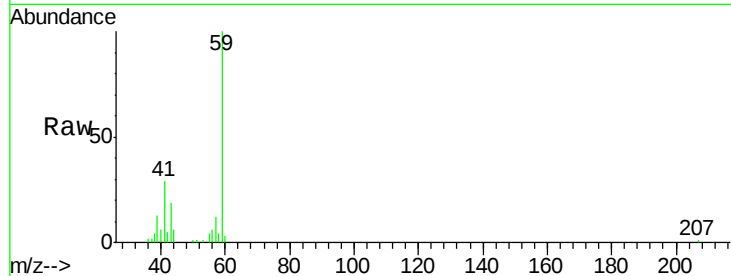
Tert butyl alcohol
 Concen: 118.26 ug/l
 RT: 5.20 min Scan# 592
 Delta R.T. 0.01 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBS02

Tot Ion	59	Resp	22146
Ion Ratio	100	Lower	Upper
57	10.6	8.5	12.7

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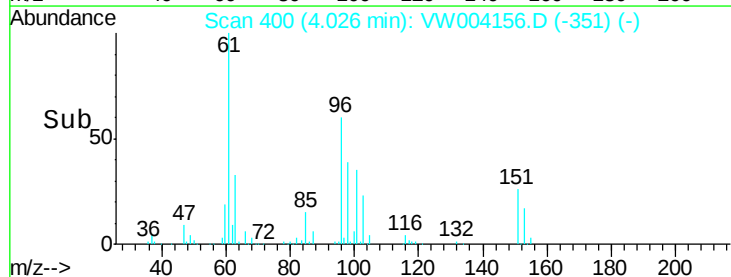
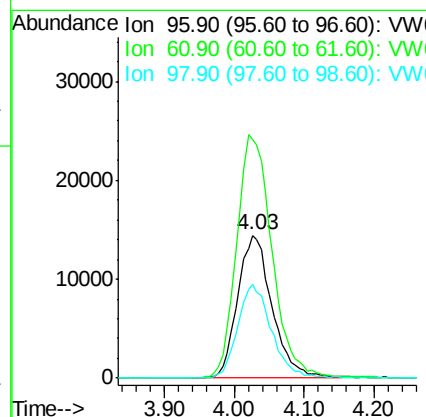
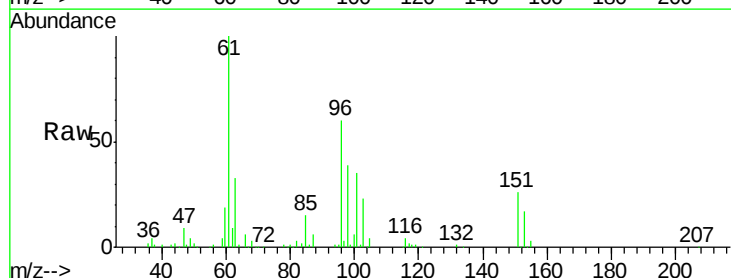
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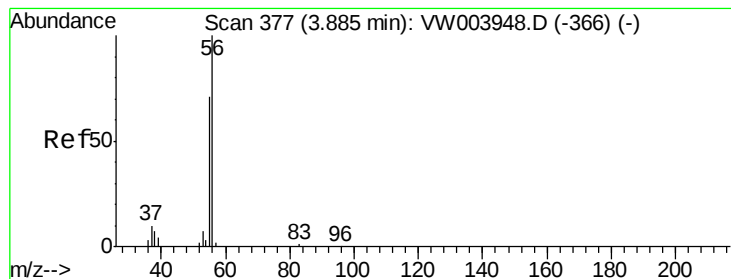


#12

1,1-Dichloroethene
 Concen: 21.00 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion	96	Resp	49517
Ion Ratio	100	Lower	Upper
61	167.2	137.0	205.6
98	65.3	50.2	75.4





#13

Acrolein

Concen: 98.88 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW0723SBSD02

Tot Ion: 56 Resp: 19025

Ion Ratio Lower Upper

56 100

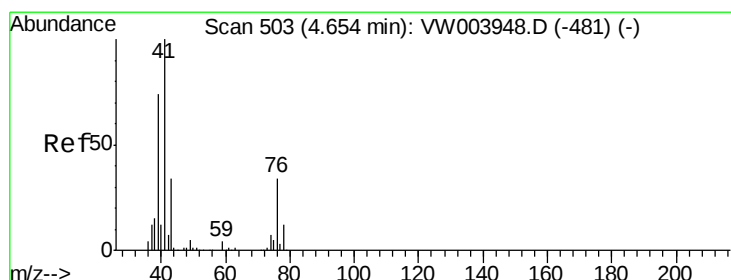
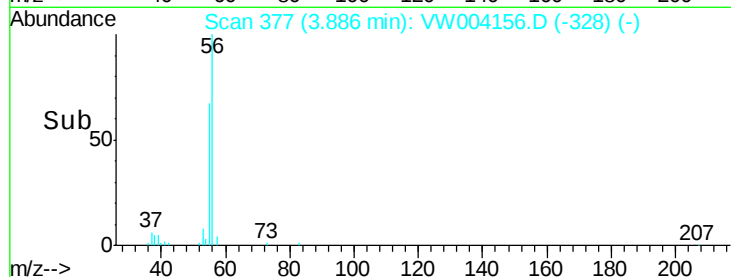
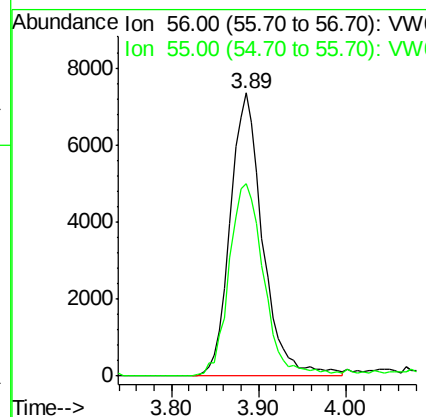
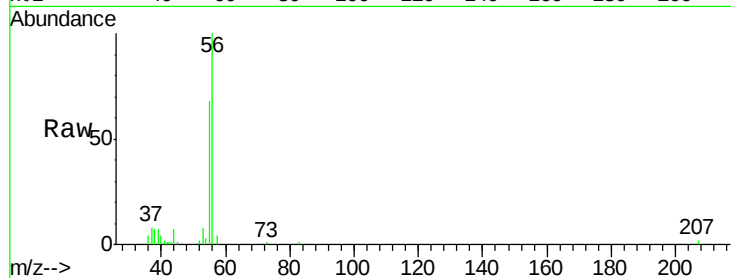
55 72.5 58.2 87.4

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#14

Allyl chloride

Concen: 22.23 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

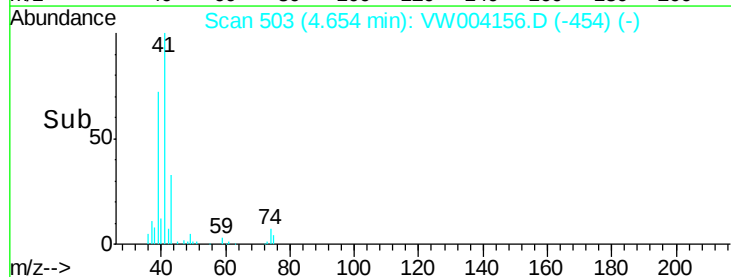
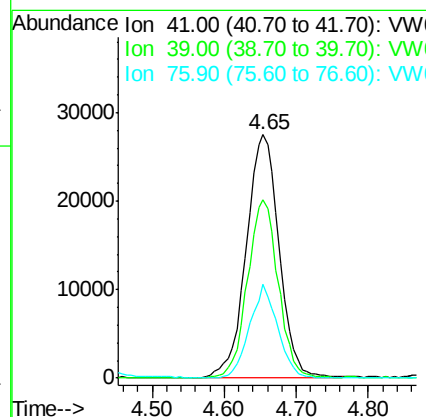
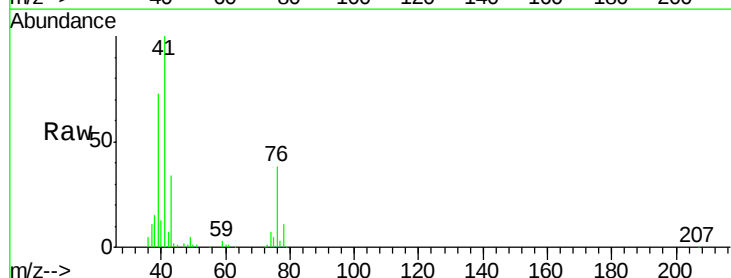
Tgt Ion: 41 Resp: 86539

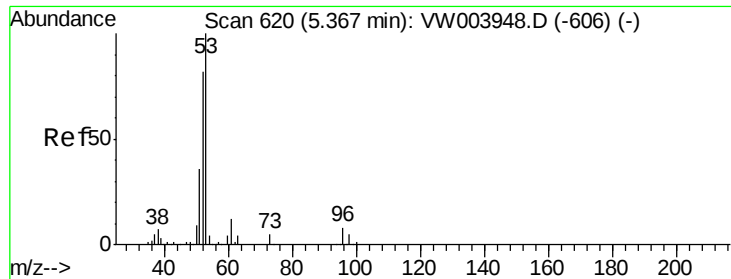
Ion Ratio Lower Upper

41 100

39 69.4 57.0 85.4

76 33.2 26.5 39.7





#15

Acrylonitrile

Concen: 123.18 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

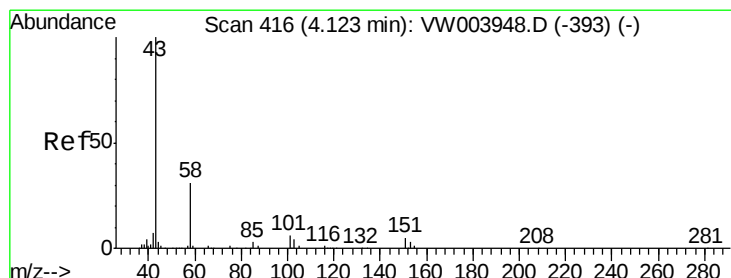
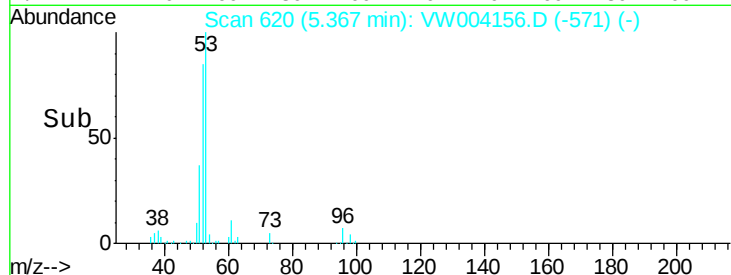
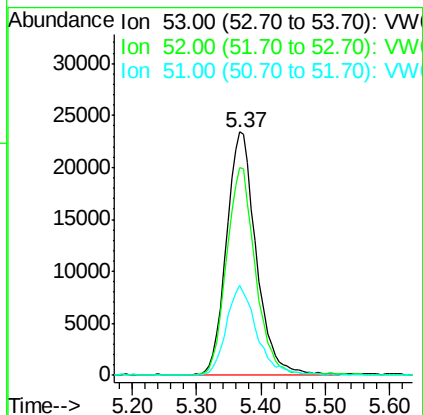
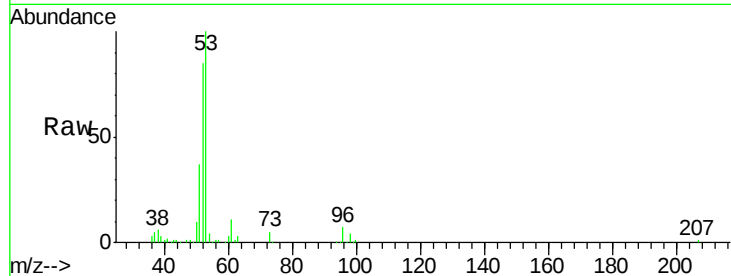
ClientSampleId :

VW0723SBS02

Tot Ion:	53	Resp:	75893
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.1	99.1
51	37.2	29.8	44.6

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#16

Acetone

Concen: 97.04 ug/l

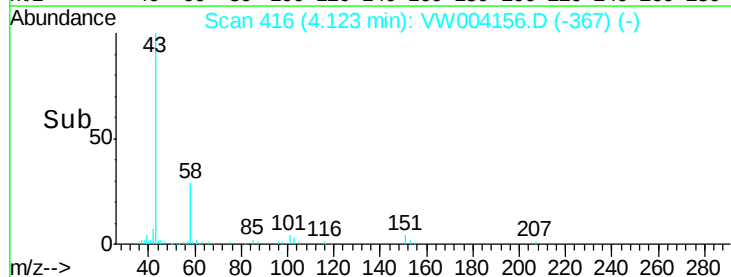
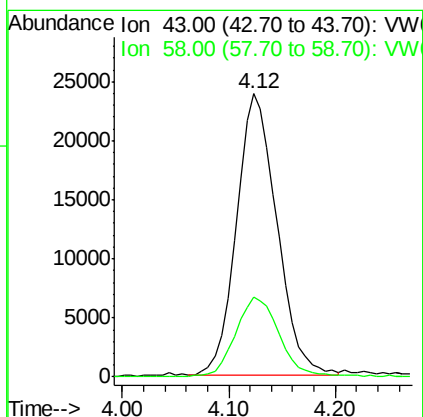
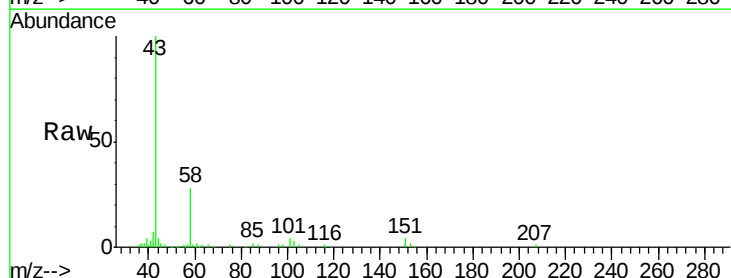
RT: 4.12 min Scan# 416

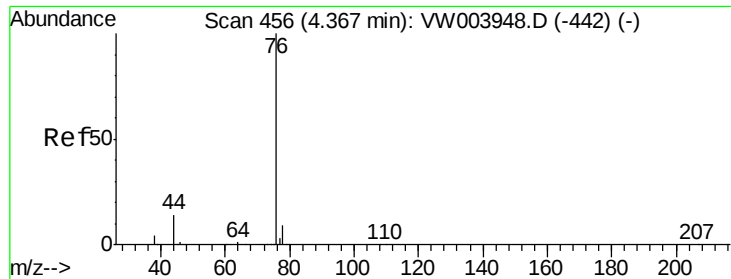
Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Tgt Ion:	43	Resp:	63256
Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.5	36.7





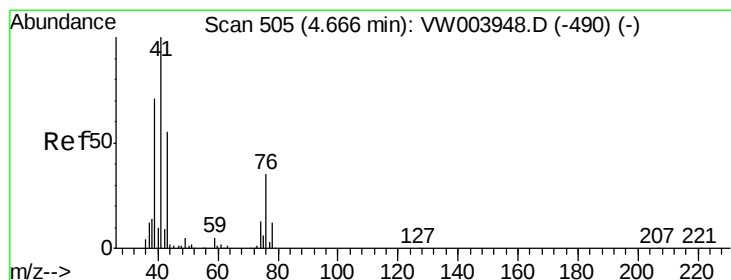
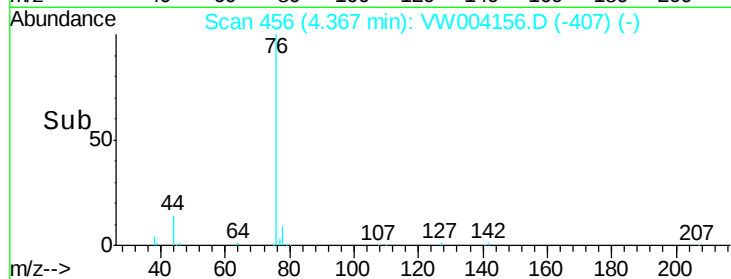
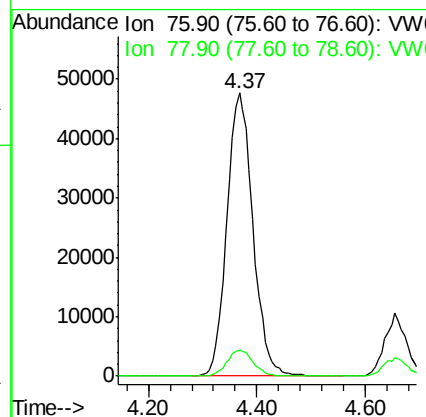
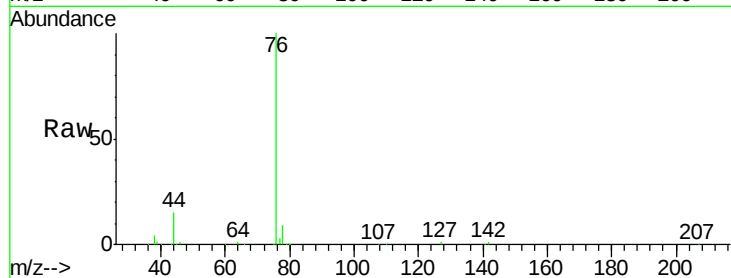
#17
Carbon Disulfide
Concen: 21.59 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

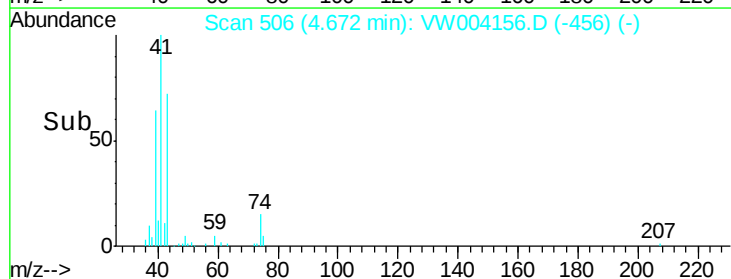
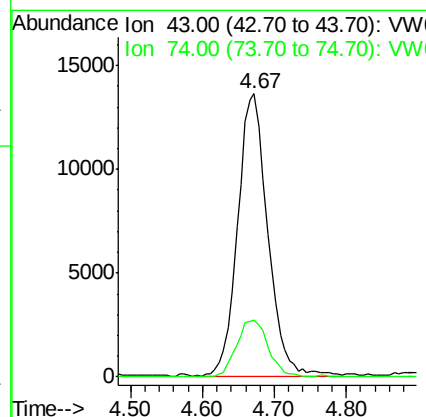
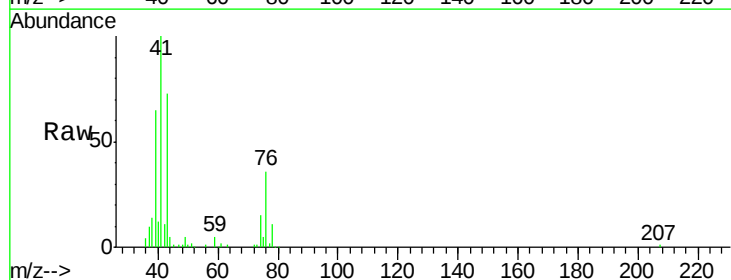
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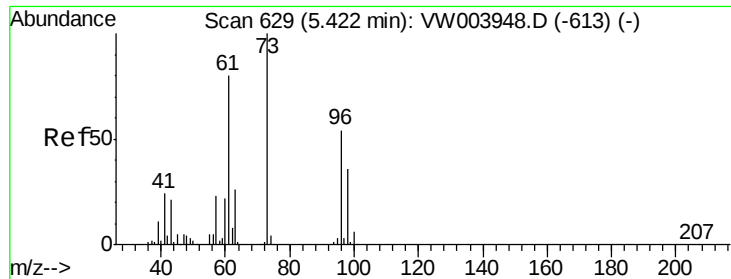
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#18
Methyl Acetate
Concen: 25.58 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	17.7	26.5





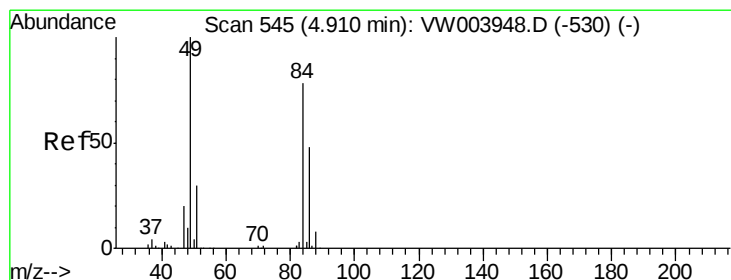
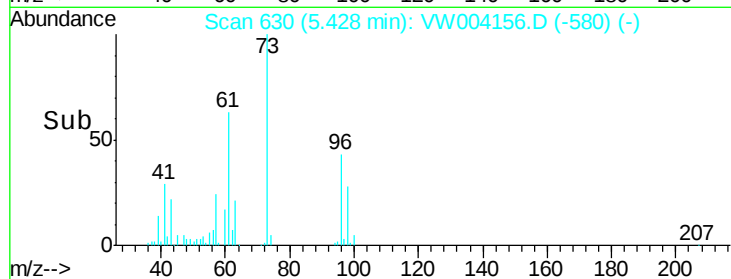
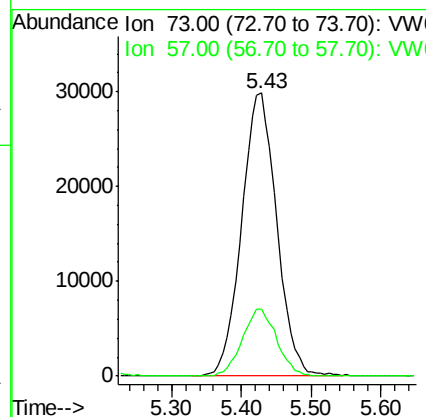
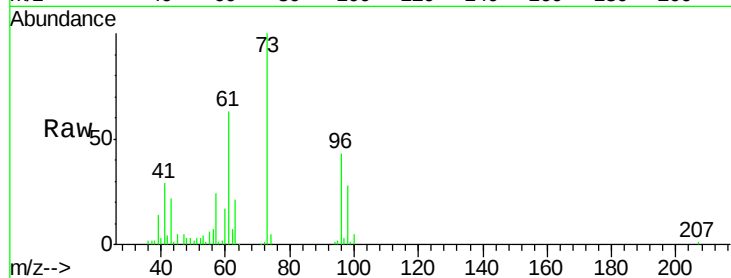
#19
Methvl tert-butvl Ether
Concen: 22.97 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBS02

Tot Ion: 73 Resp: 103844
Ion Ratio Lower Upper
73 100
57 23.5 18.2 27.4

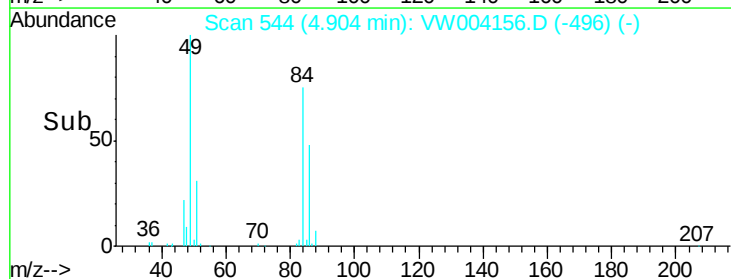
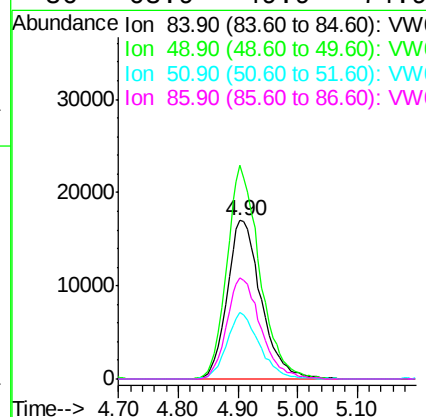
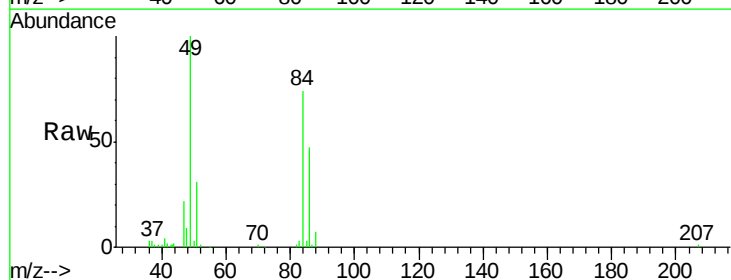
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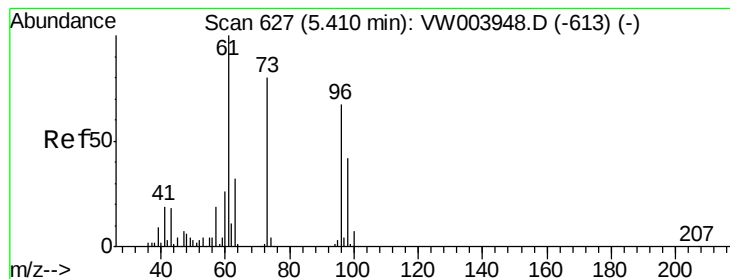
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#20
Methylene Chloride
Concen: 18.45 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion: 84 Resp: 67368
Ion Ratio Lower Upper
84 100
49 134.7 102.9 154.3
51 41.9 30.9 46.3
86 63.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 22.36 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

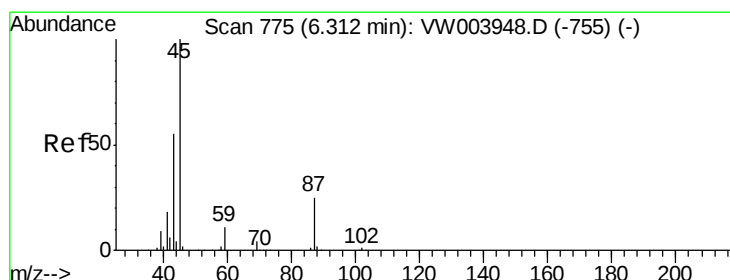
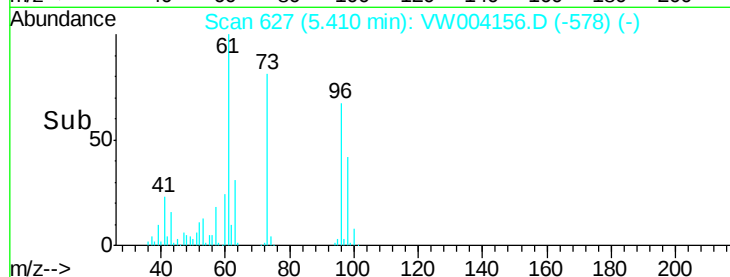
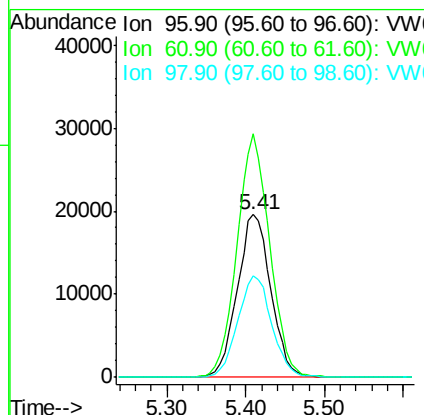
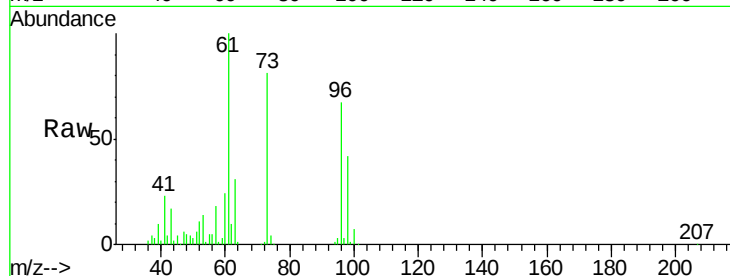
ClientSampleId :

VW0723SBS02

Tot Ion:	96	Resp:	57806
Ion	Ratio	Lower	Upper
96	100		
61	149.7	119.0	178.4
98	62.3	49.9	74.9

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#22

Diisopropyl ether

Concen: 24.23 ug/l

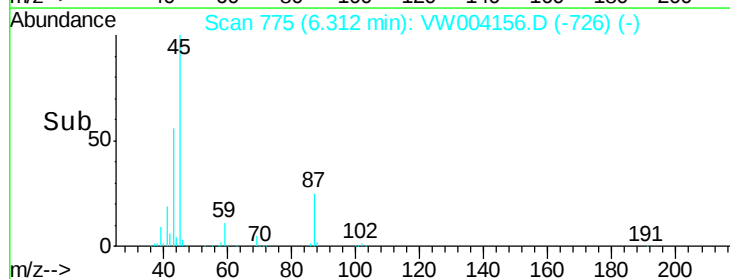
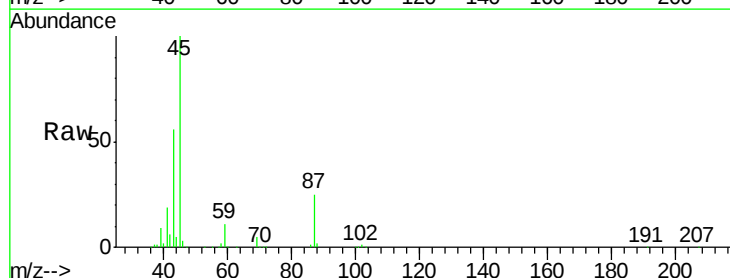
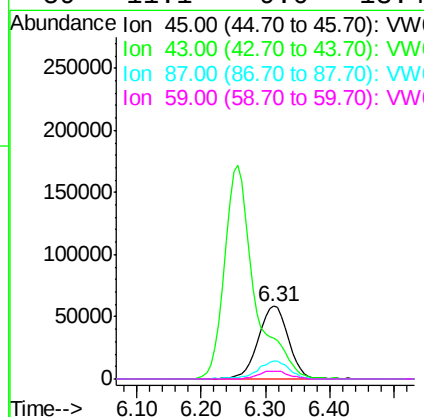
RT: 6.31 min Scan# 775

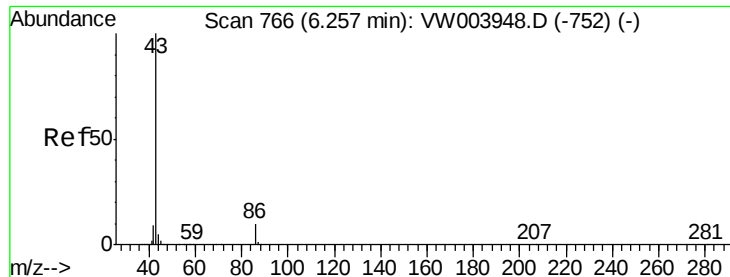
Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Tgt Ion:	45	Resp:	190639
Ion	Ratio	Lower	Upper
45	100		
43	55.9	44.3	66.5
87	25.1	20.2	30.4
59	11.1	9.0	13.4





#23

Vinyl Acetate

Concen: 113.51 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW0723SBS02

Tot Ion: 43 Resp: 565867

Ion Ratio Lower Upper

43 100

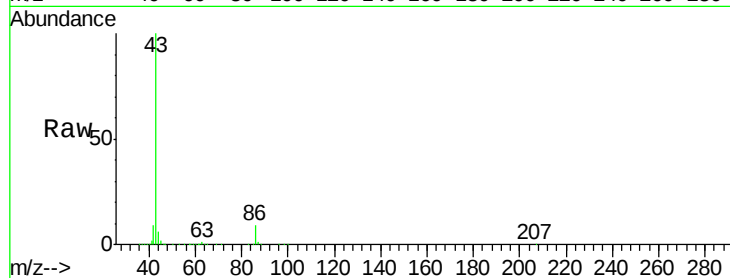
86 9.2 7.6 11.4

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

200000

150000

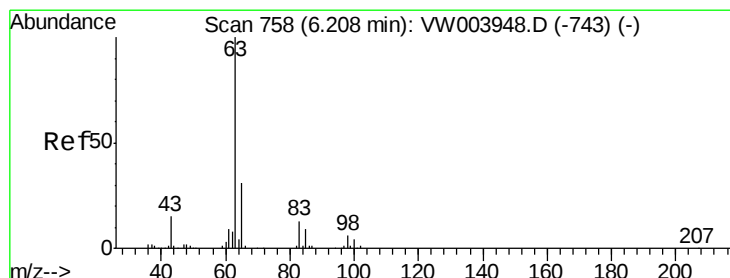
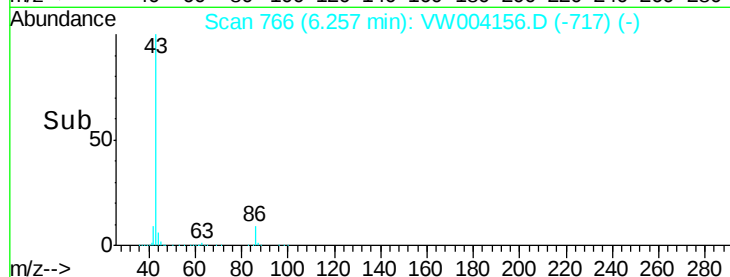
100000

50000

0

6.20 6.26 6.40 6.60

Time-->



#24

1,1-Dichloroethane

Concen: 23.18 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

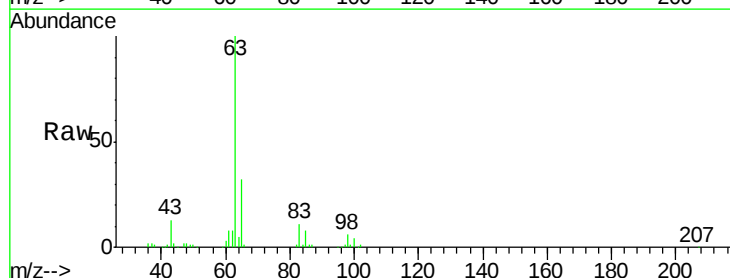
Tgt Ion: 63 Resp: 111275

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

50000

40000

30000

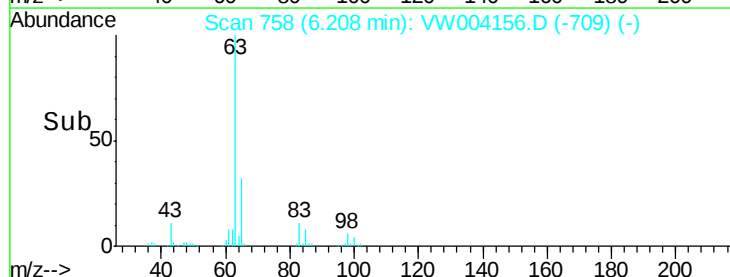
20000

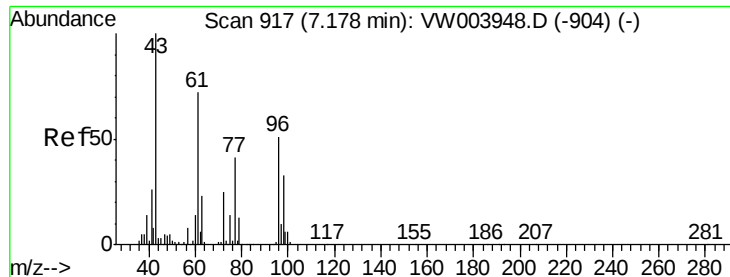
10000

0

6.10 6.21 6.30

Time-->





#25

2-Butanone

Concen: 116.52 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW0723SBS02

Tot Ion: 43 Resp: 102209

Ion Ratio Lower Upper

43 100

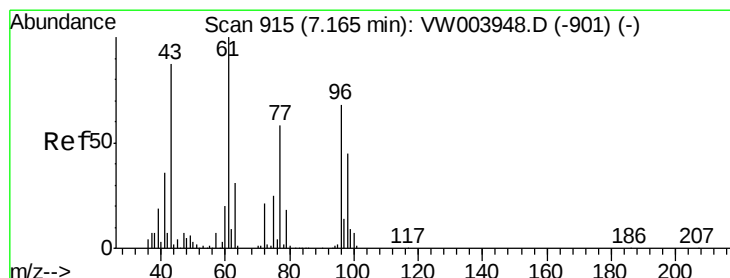
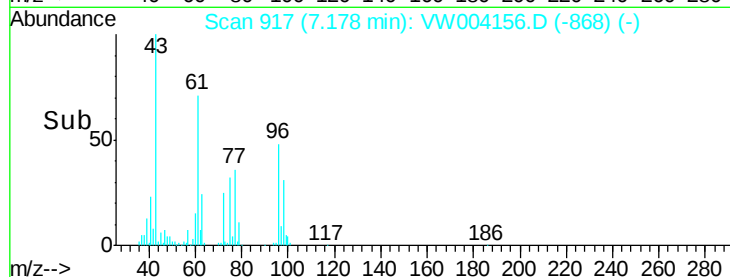
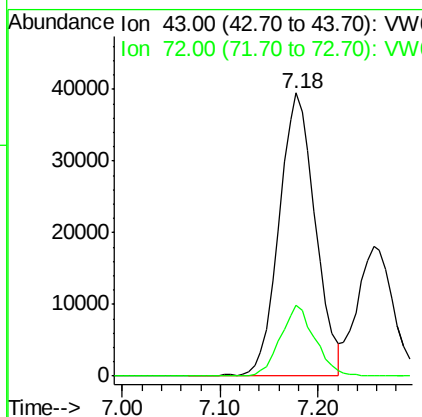
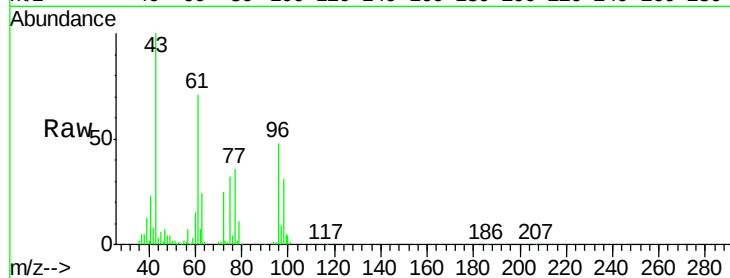
72 24.9 19.8 29.6

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#26

2,2-Dichloropropane

Concen: 18.96 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004156.D

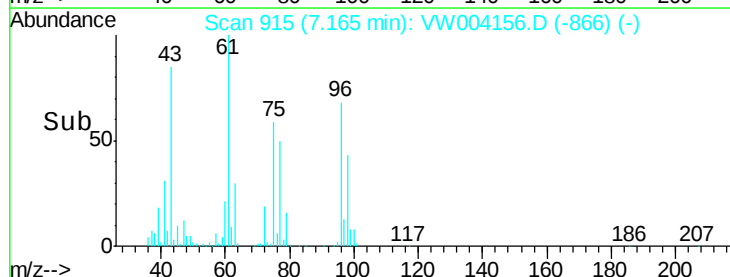
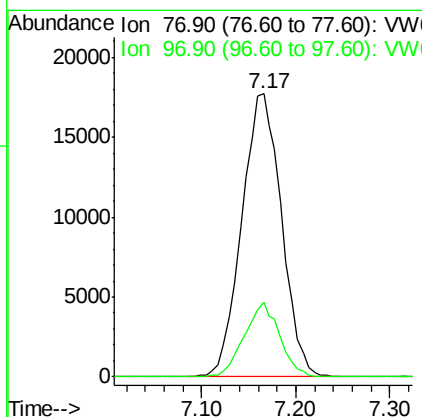
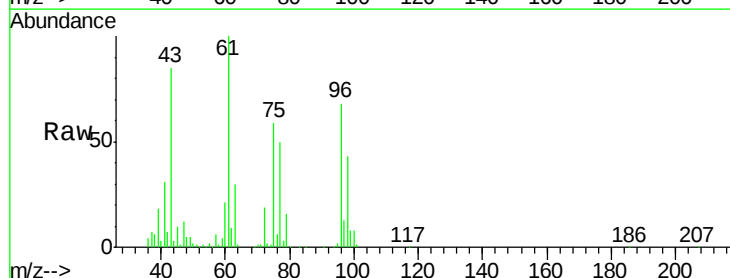
Acq: 24 Jul 2018 01:09

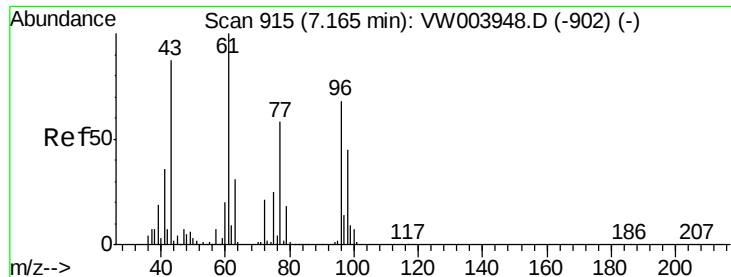
Tgt Ion: 77 Resp: 52255

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.3





#27

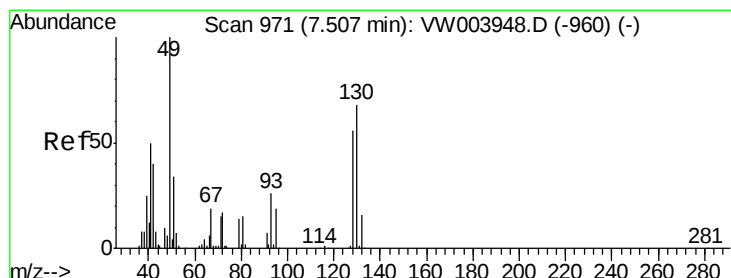
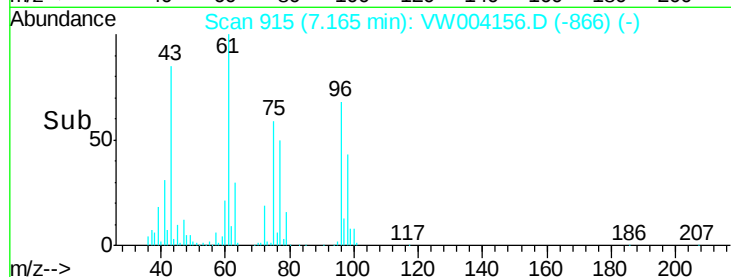
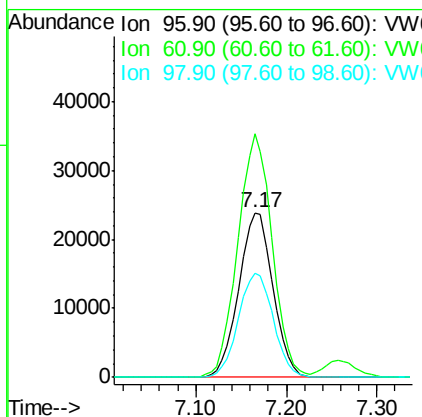
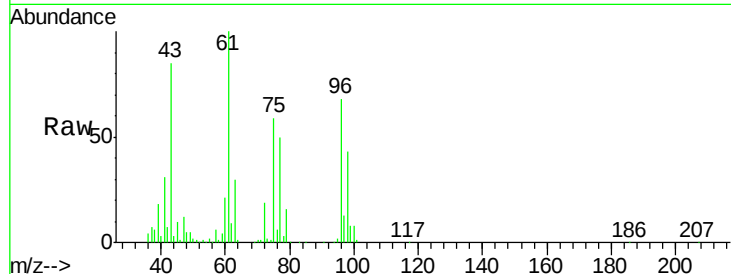
cis-1,2-Dichloroethene
 Concen: 22.30 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	298.6
98	64.3	0.0	130.4

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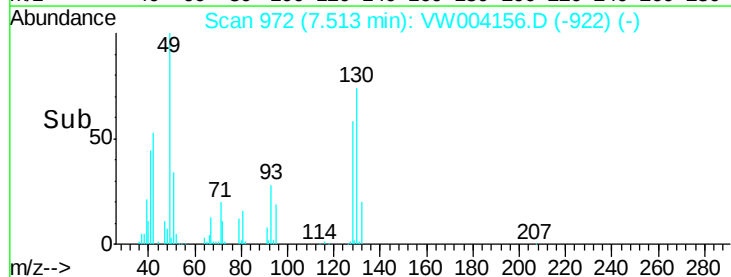
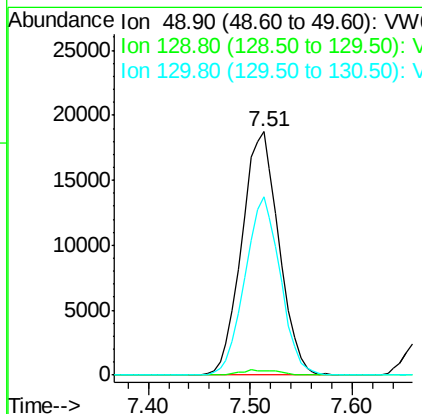
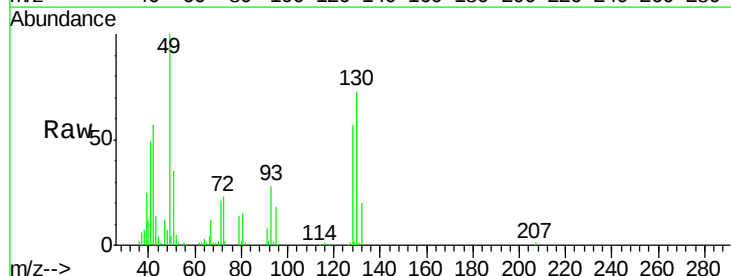
apatel
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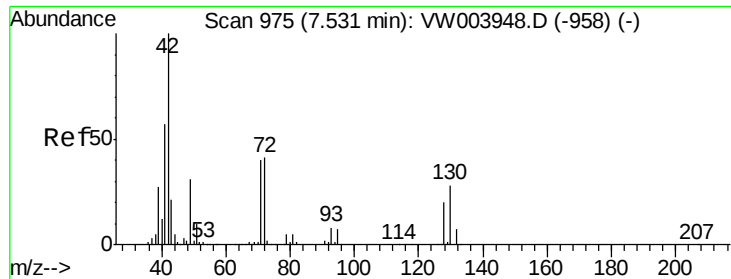


#28

Bromochloromethane
 Concen: 24.09 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.2#
130	70.1	58.3	87.5





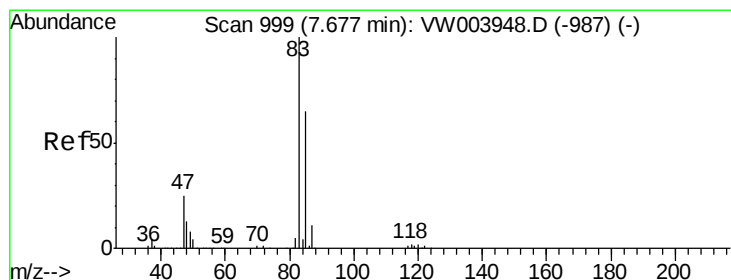
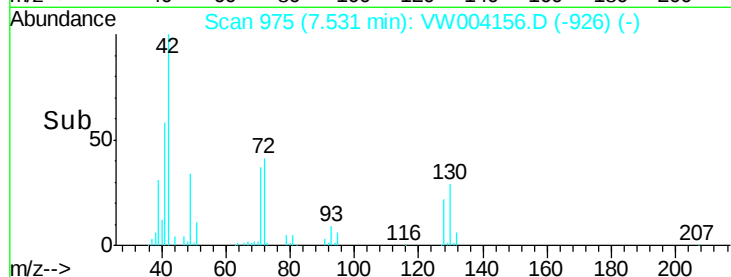
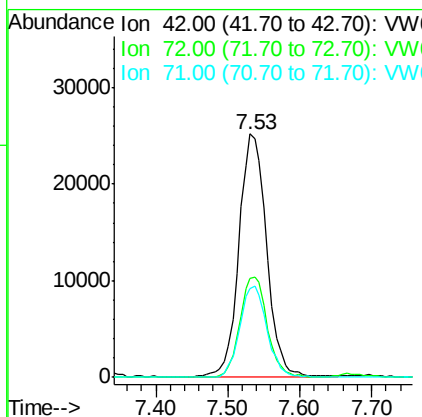
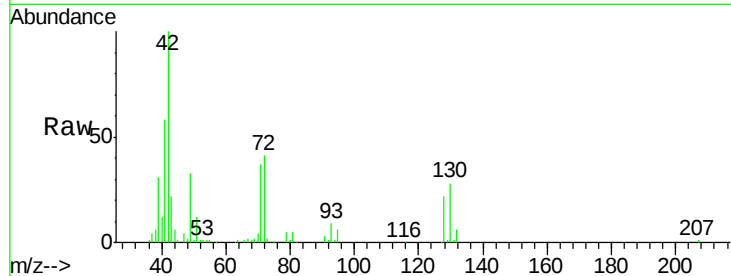
#29
Tetrahydrofuran
Concen: 123.54 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.6	48.8
71	36.6	30.5	45.7

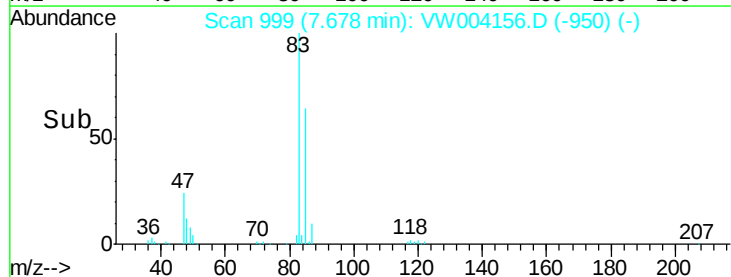
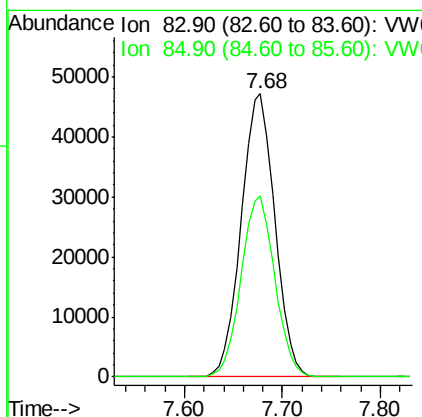
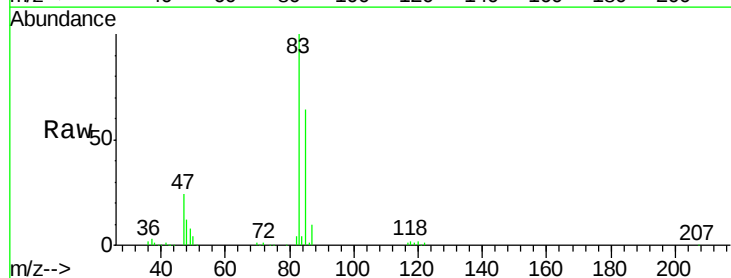
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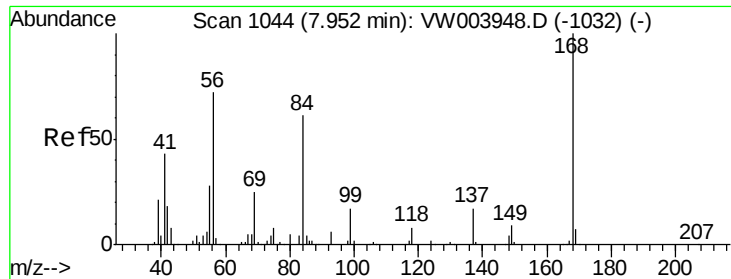
apatel
7/24/2018 11:50:12 AM



#30
Chloroform
Concen: 23.57 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4





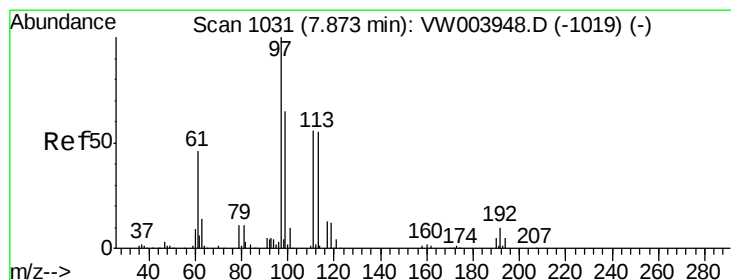
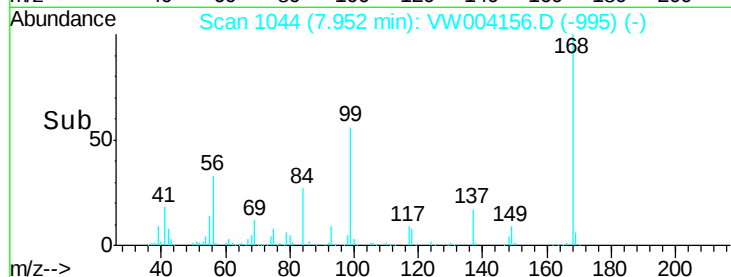
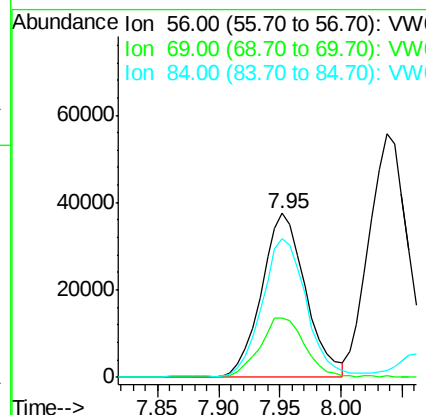
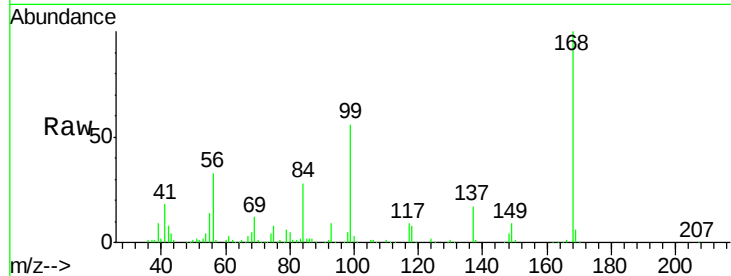
#31
Cyclohexane
Concen: 20.99 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		94476		
69	35.9	27.8	41.8		
84	82.9	67.2	100.8		

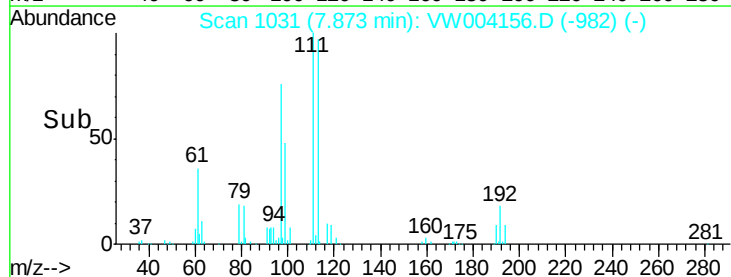
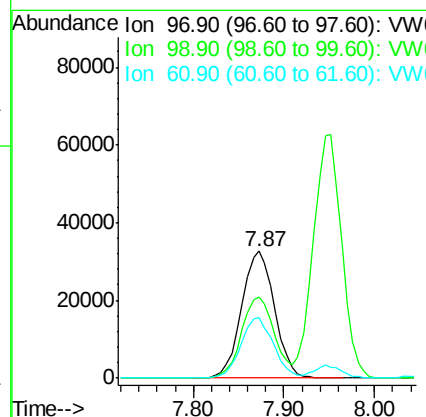
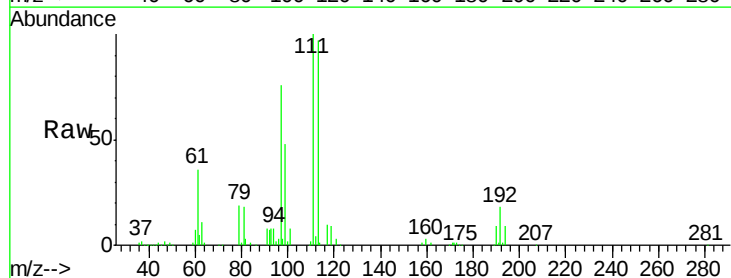
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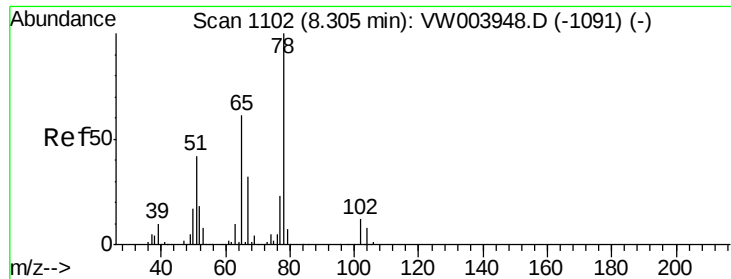
apatel
7/24/2018 11:50:12 AM



#32
1,1,1-Trichloroethane
Concen: 22.14 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		82574		
99	64.6	51.3	76.9		
61	47.3	36.8	55.2		





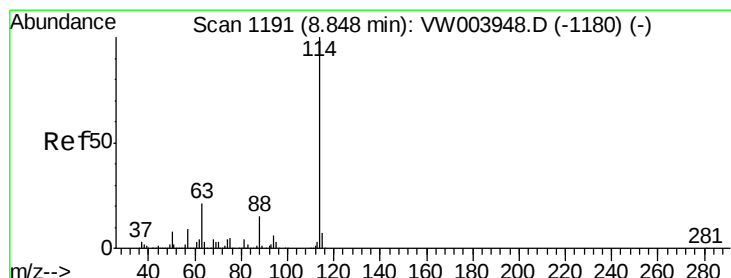
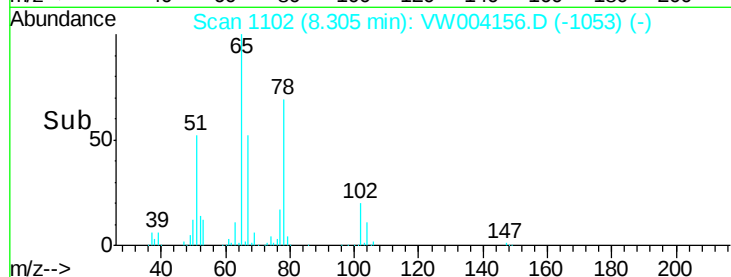
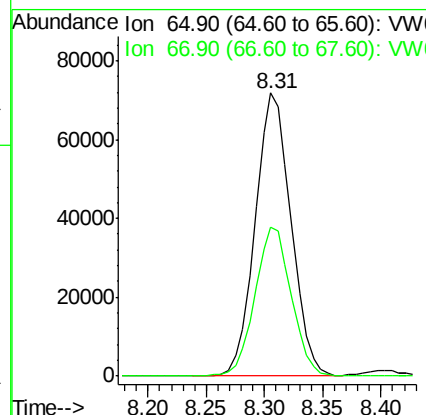
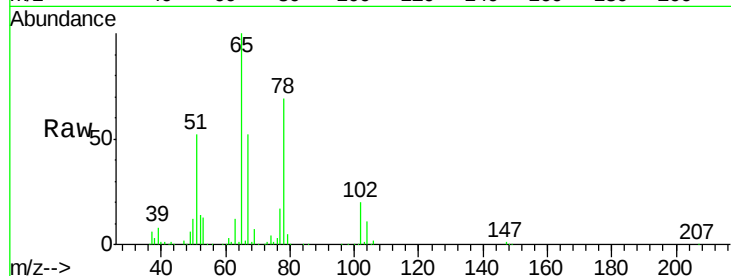
#33
 1,2-Dichloroethane-d4
 Concen: 56.49 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	105.0	

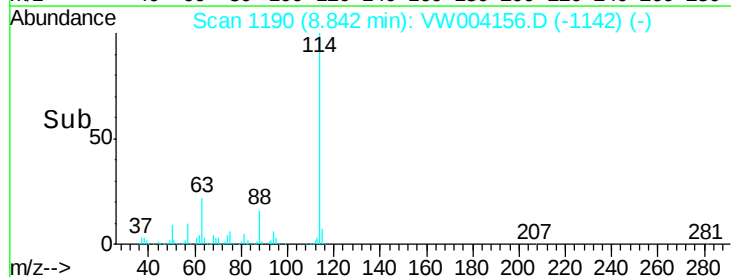
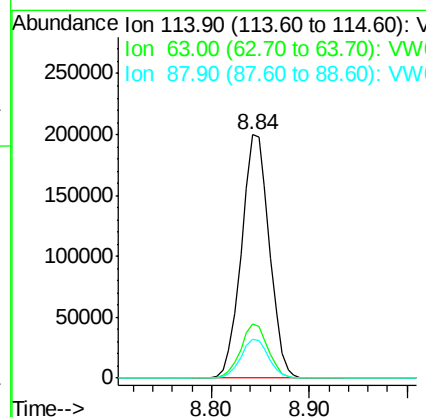
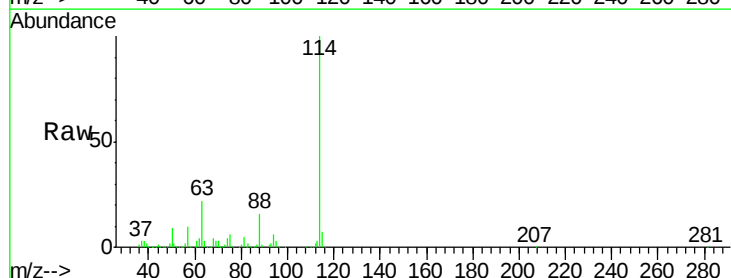
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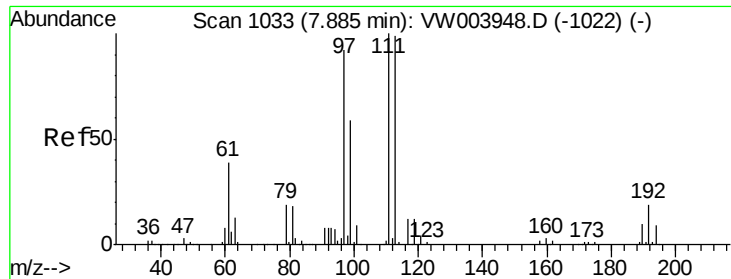
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	42.8	
88	16.0	0.0	30.4	





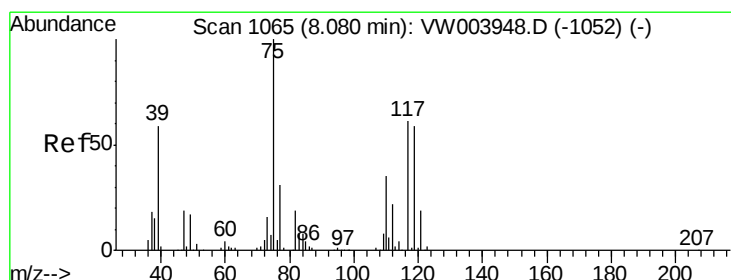
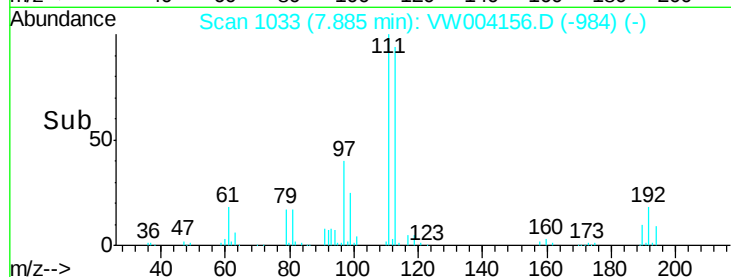
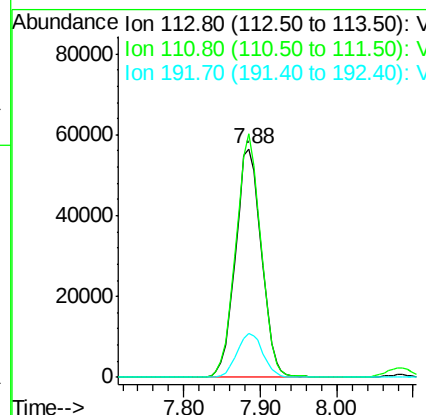
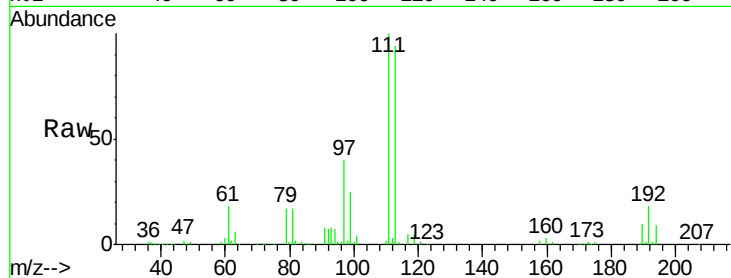
#35
Dibromofluoromethane
Concen: 52.55 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.3	121.9	
192	19.2	15.8	23.6	

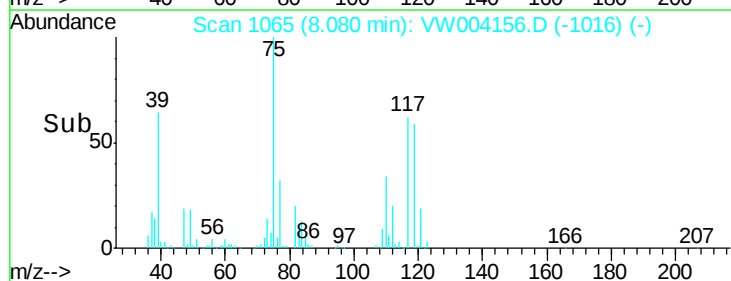
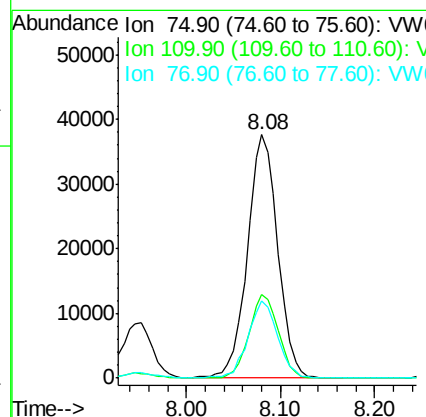
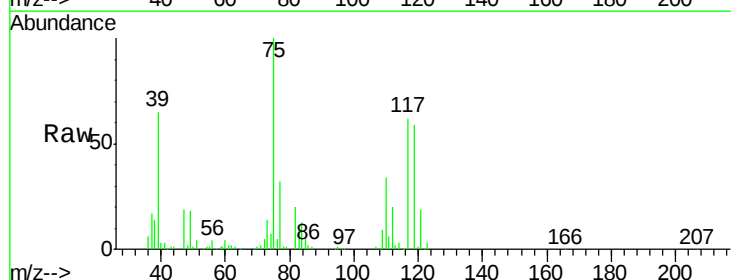
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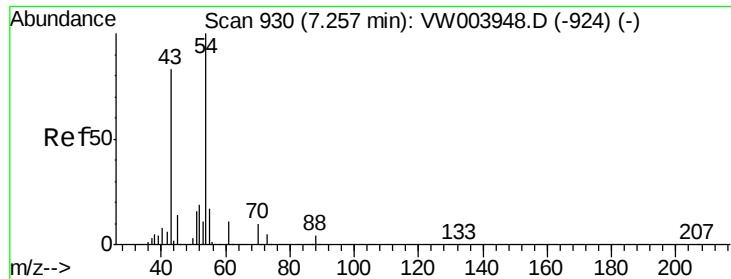
apatel
7/24/2018 11:50:12 AM



#36
1,1-Dichloropropene
Concen: 20.90 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.2	17.0	51.0	
77	31.2	24.9	37.3	





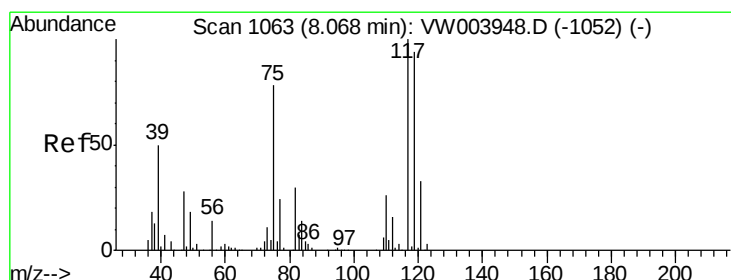
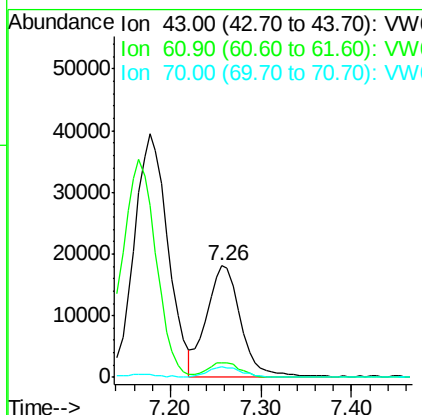
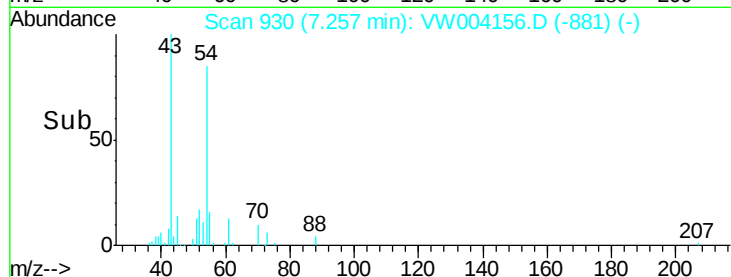
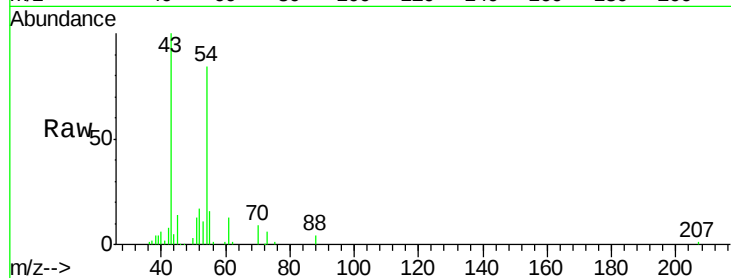
#37
Ethyl Acetate
Concen: 24.13 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBS02

Tot Ion	43	Resp	47221
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	9.7	7.7	11.5

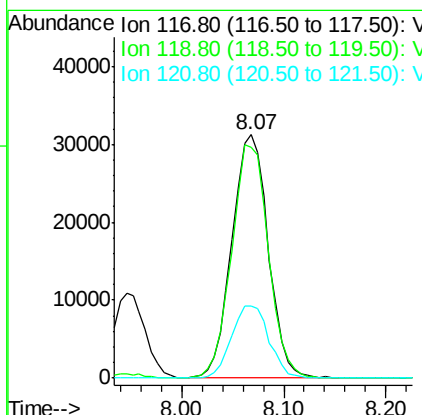
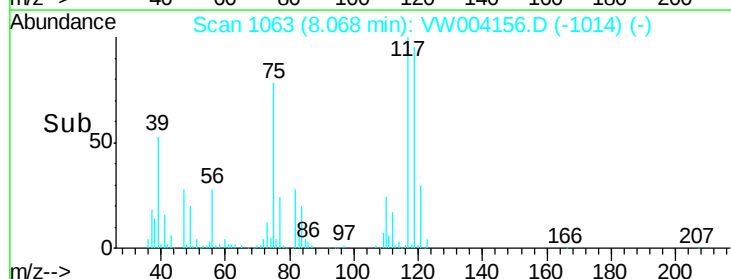
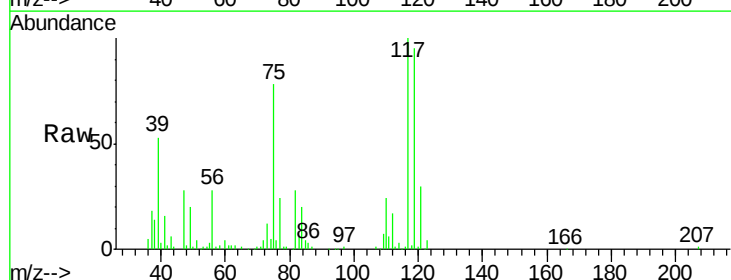
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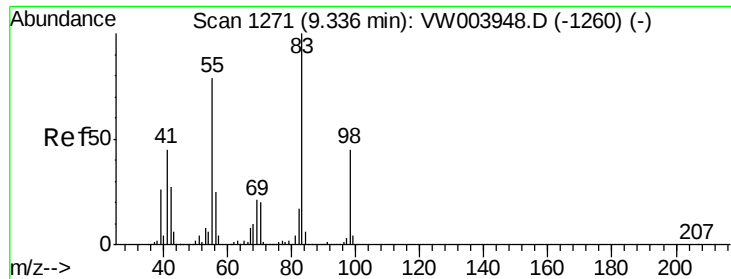
apatel
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#38
Carbon Tetrachloride
Concen: 20.36 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	117	Resp	77180
Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.3	112.9
121	29.7	26.0	39.0





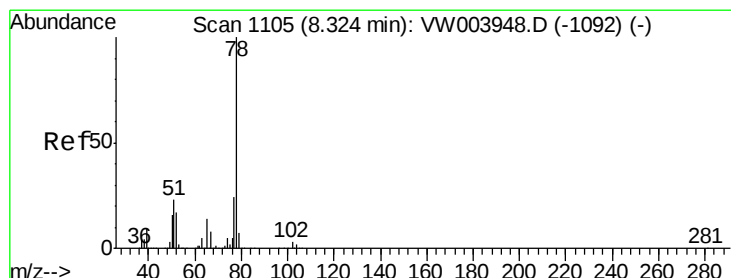
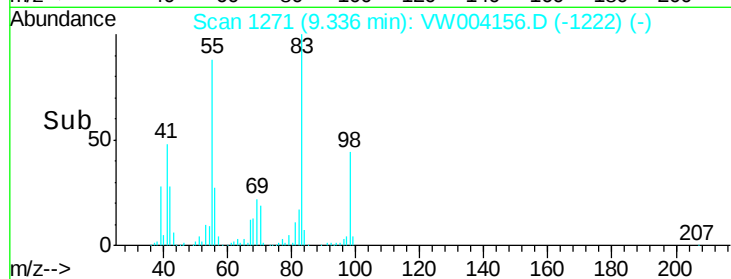
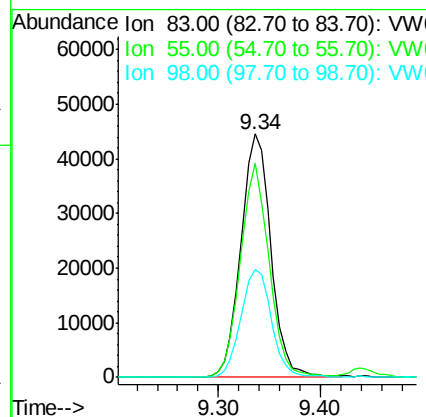
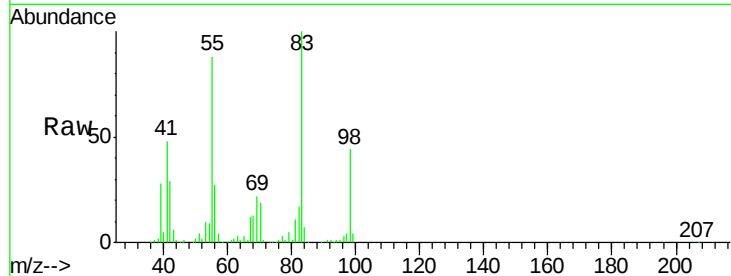
#39
Methvlcvclohexane
Concen: 19.15 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	88.1	62.8	94.2	
98	44.3	36.2	54.4	

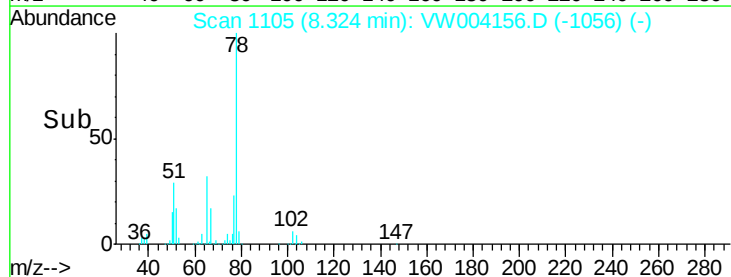
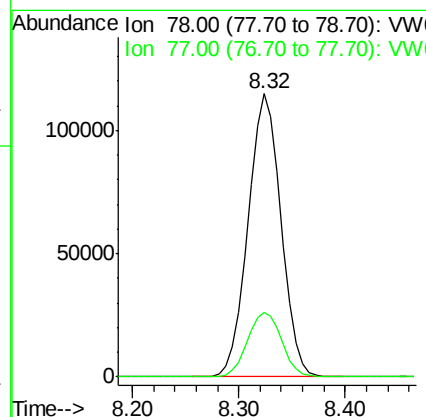
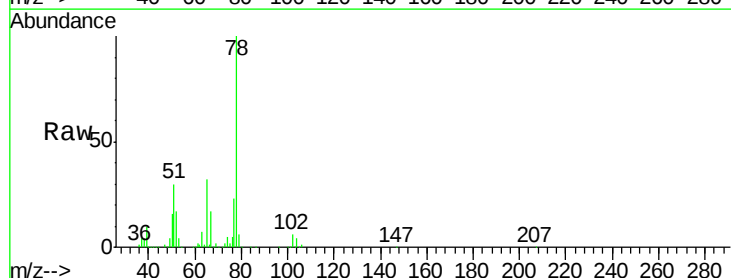
Manual Integrations
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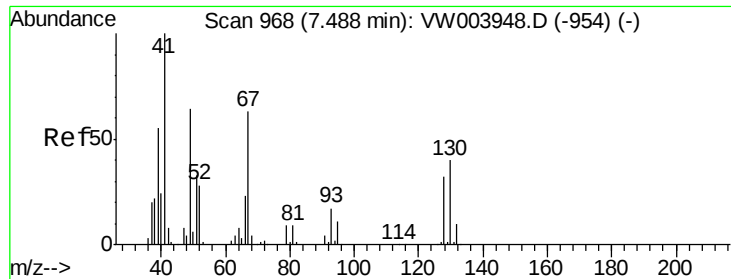
apatel
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#40
Benzene
Concen: 22.19 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.8	19.5	29.3	





#41

Methacrylonitrile

Concen: 24.43 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

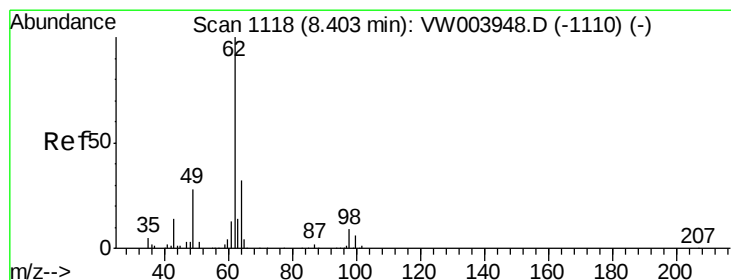
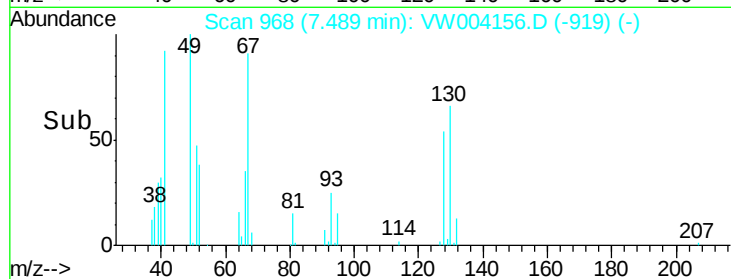
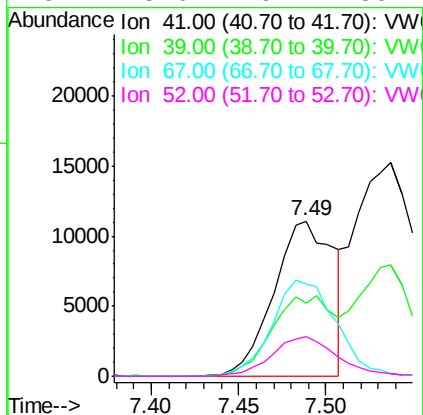
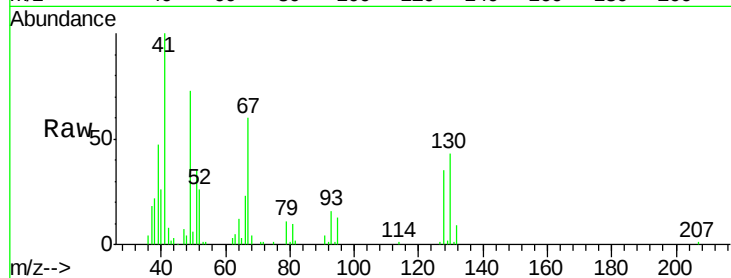
ClientSampleId :

VW0723SBS02

Tot Ion:	41	Resp:	26489
Ion	Ratio	Lower	Upper
41	100		
39	53.4	50.0	75.0
67	66.0	60.8	91.2
52	28.6	26.2	39.4

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 23.09 ug/l

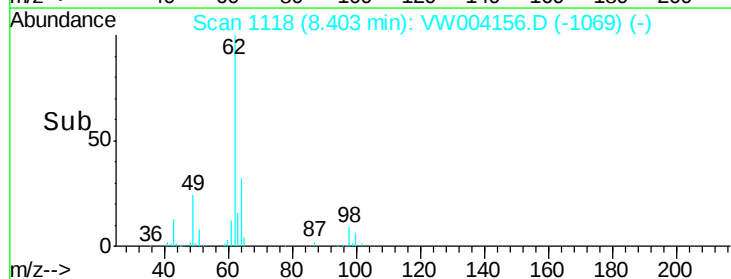
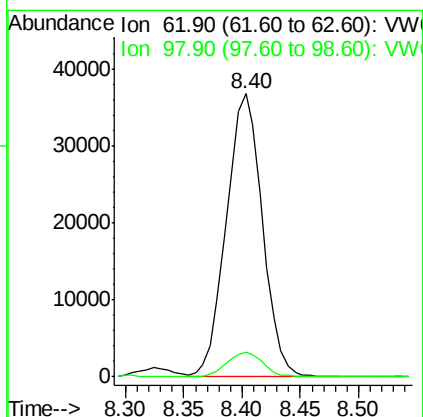
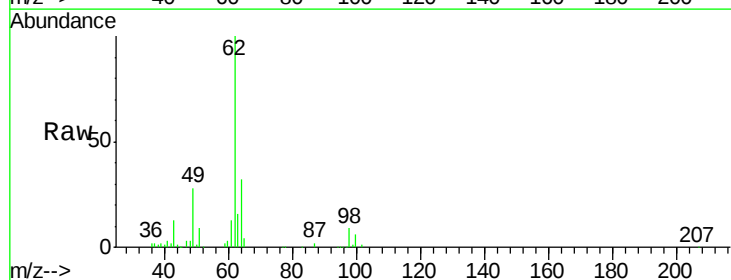
RT: 8.40 min Scan# 1118

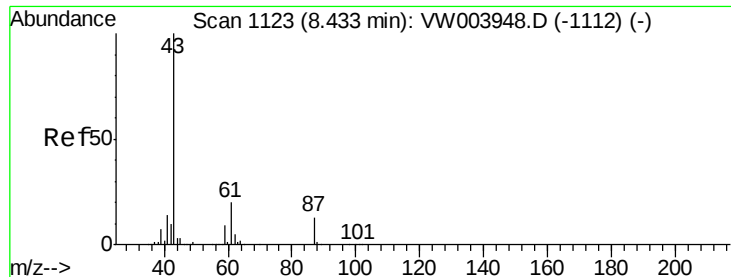
Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Tgt Ion:	62	Resp:	79282
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 23.00 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

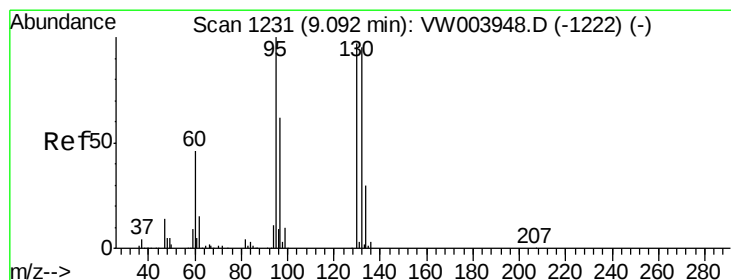
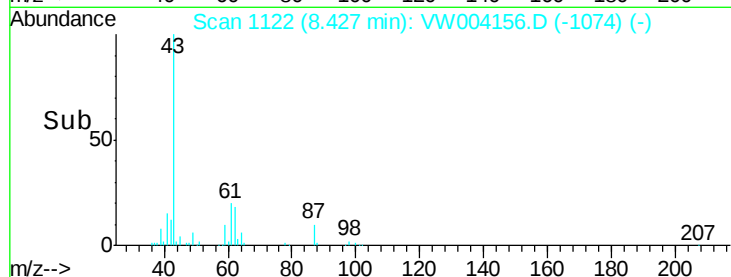
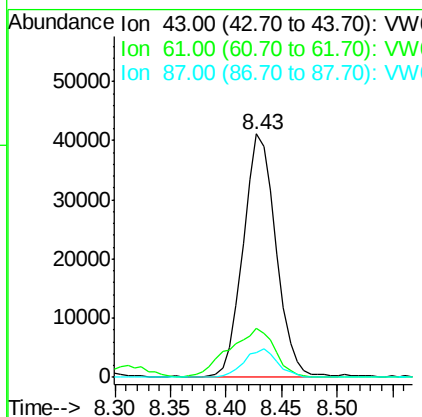
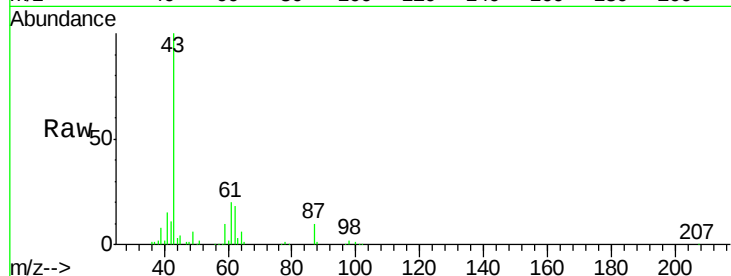
ClientSampleId :

VW0723SBS02

Tot Ion:	43	Resp:	84176
Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.0	34.6
87	12.1	9.9	14.9

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#44

Trichloroethene

Concen: 21.13 ug/l

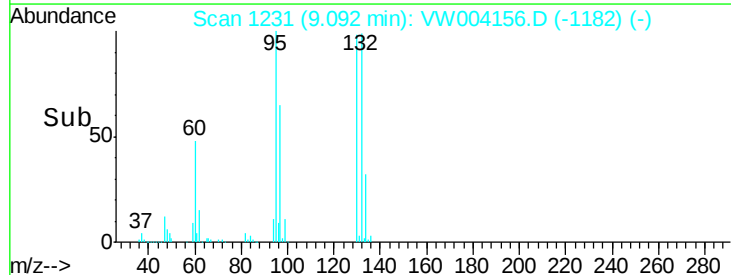
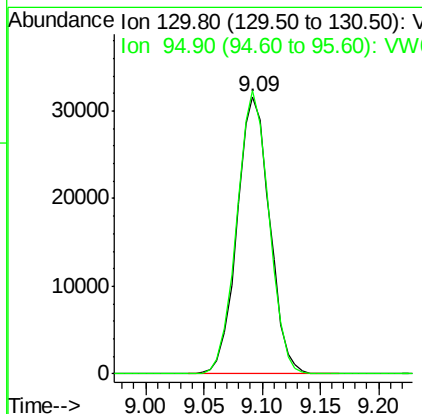
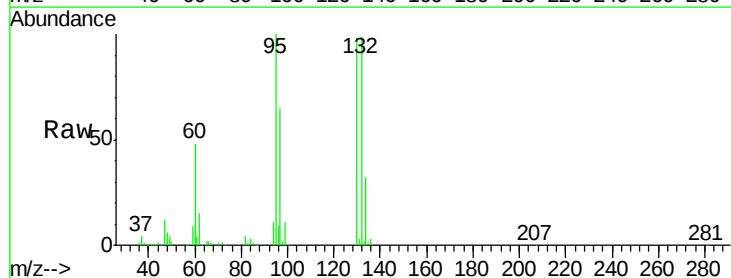
RT: 9.09 min Scan# 1231

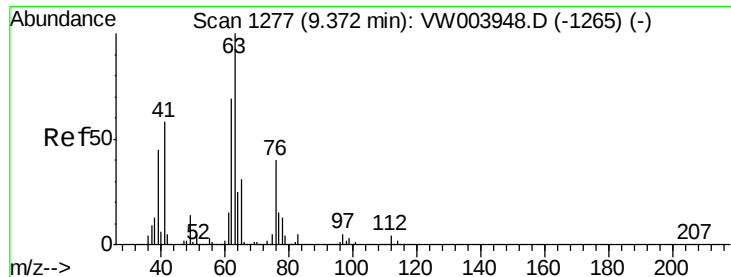
Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Tgt Ion:	130	Resp:	61648
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	206.8





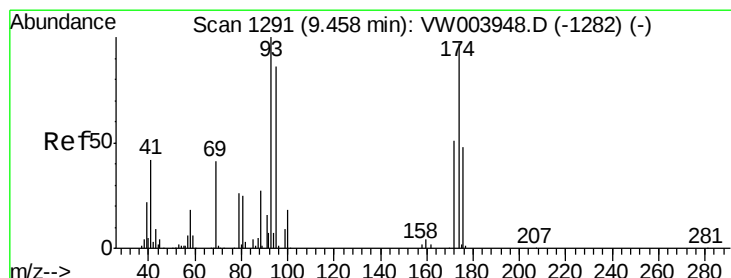
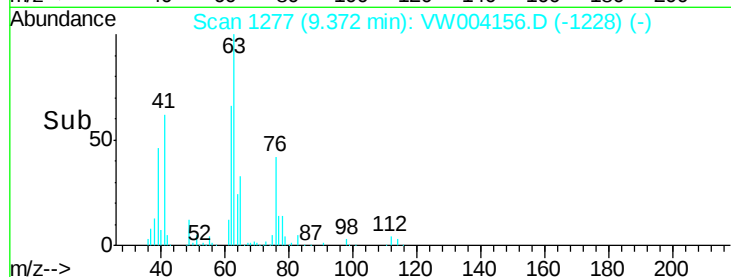
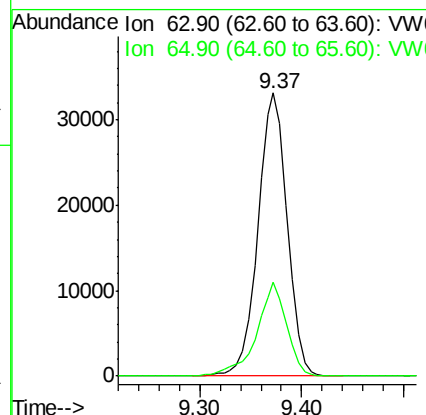
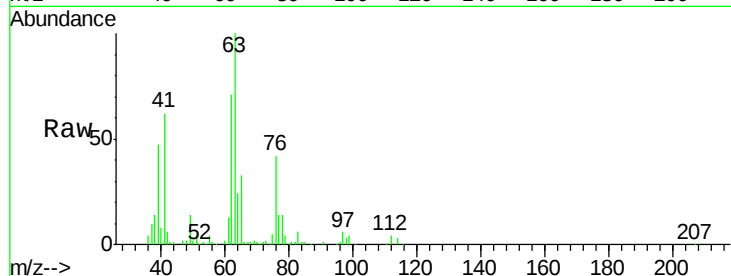
#45
 1,2-Dichloropropane
 Concen: 22.98 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.2	24.8	37.2

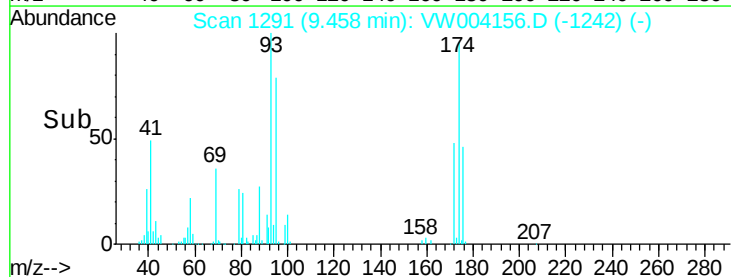
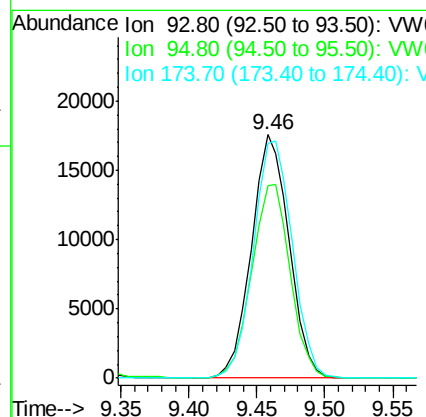
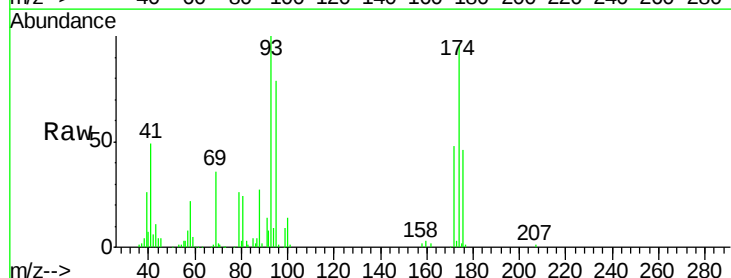
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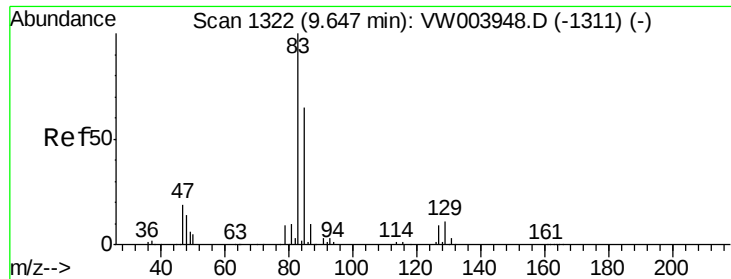
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#46
 Dibromomethane
 Concen: 22.80 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	66.9	100.3
174	101.2	80.2	120.2





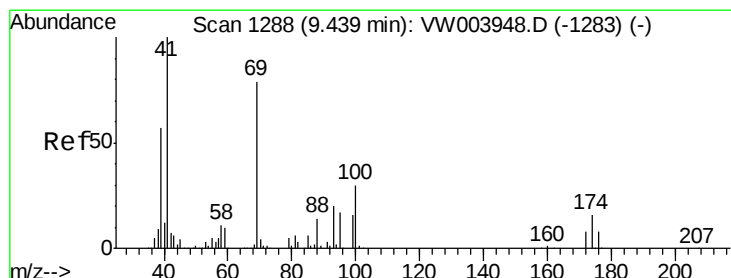
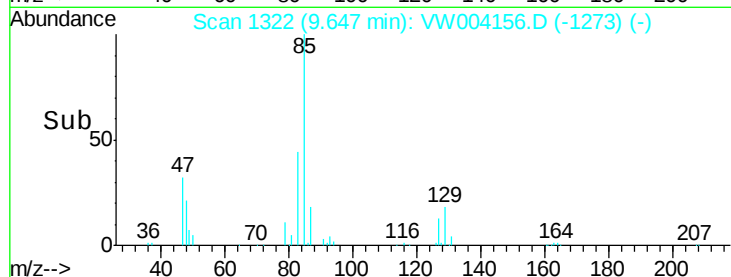
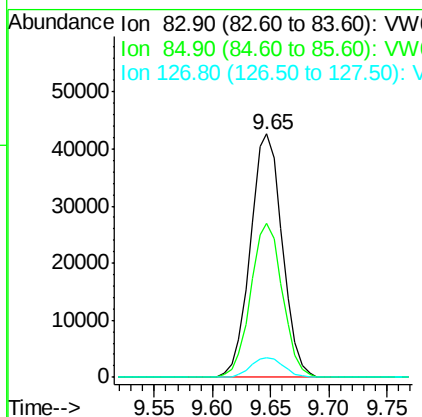
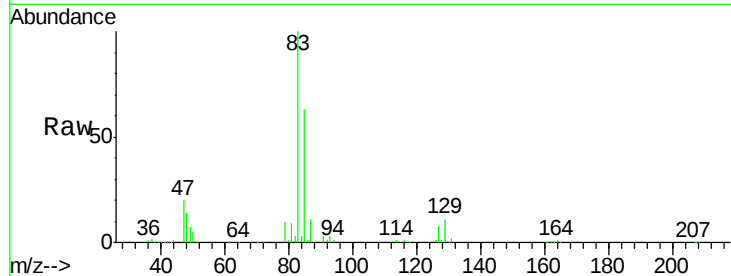
#47
Bromodichloromethane
Concen: 22.23 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBSD02

Tot Ion	83	Resp	81686
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	52.2	78.2
127	8.3	7.0	10.4

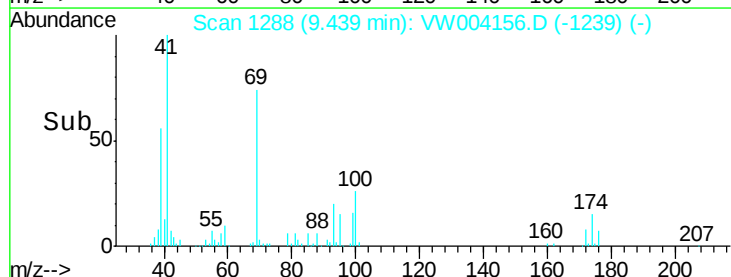
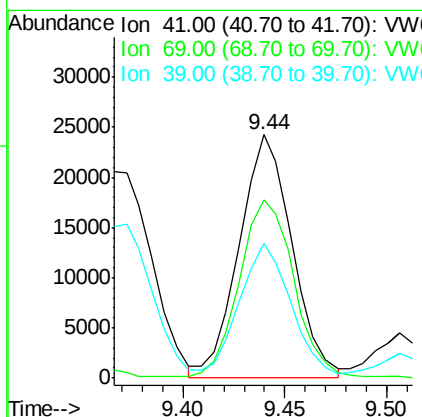
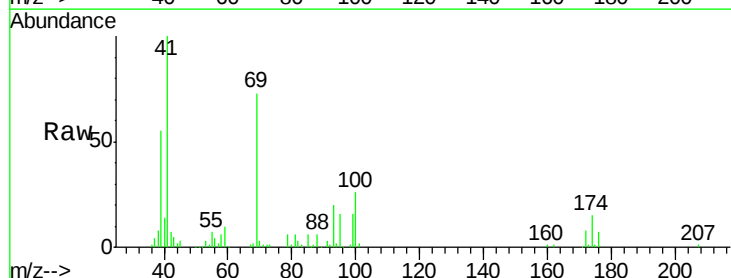
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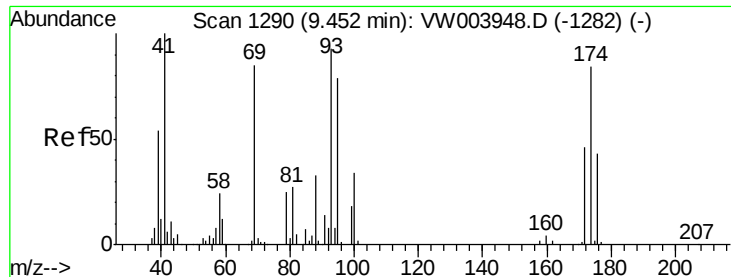
apatel
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#48
Methyl methacrylate
Concen: 24.58 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	41	Resp	43519
Ion Ratio	100	Lower	Upper
41	100		
69	76.8	67.0	100.6
39	54.7	48.8	73.2





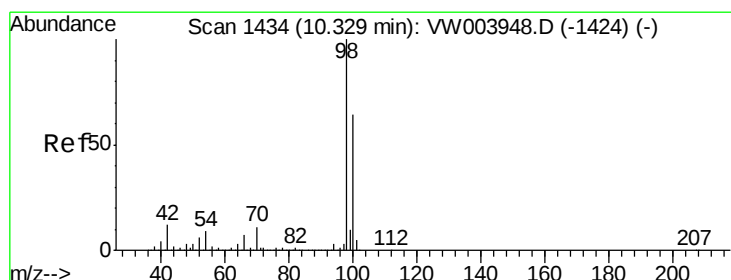
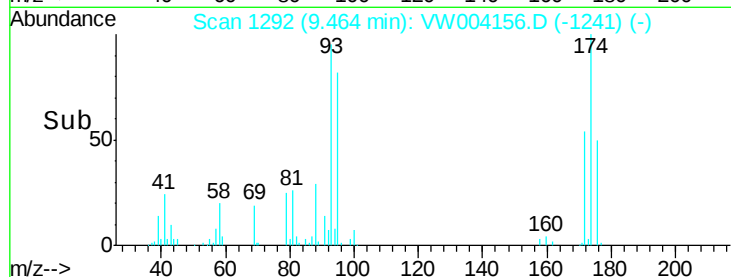
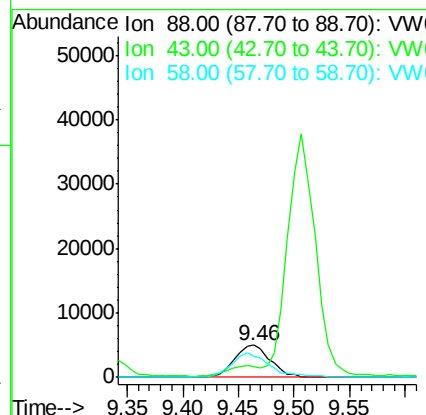
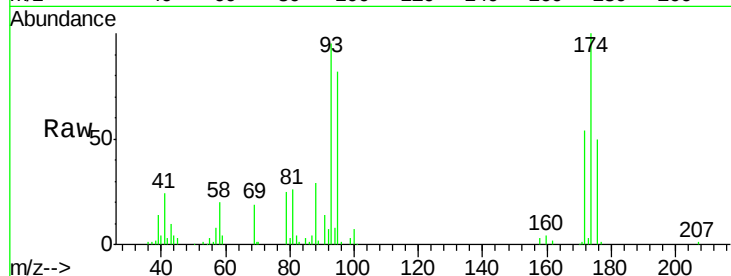
#49
1,4-Dioxane
Concen: 491.47 ug/l
RT: 9.46 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.1	27.3	40.9	
58	80.2	61.1	91.7	

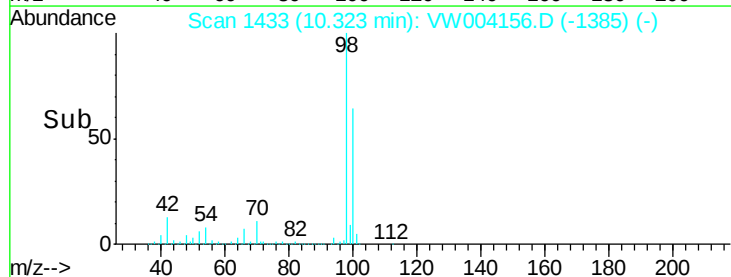
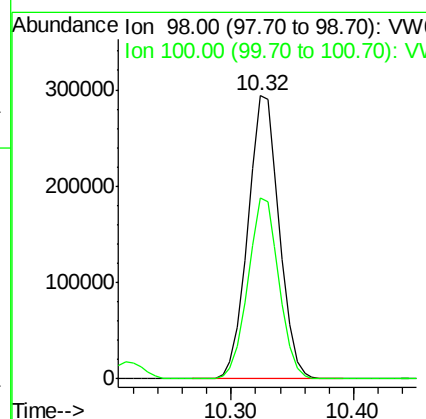
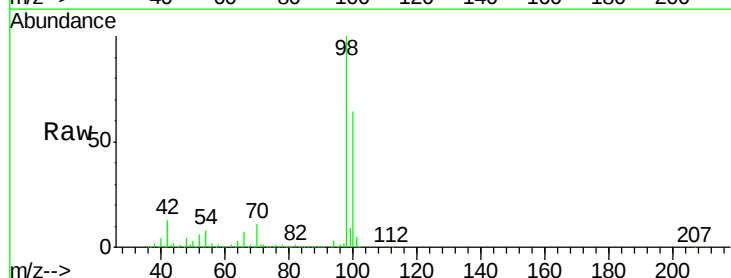
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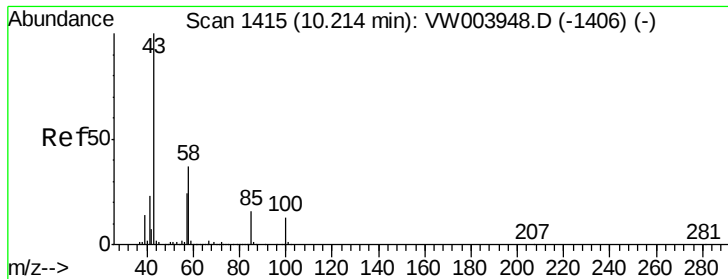
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#50
Toluene-d8
Concen: 53.01 ug/l
RT: 10.32 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.4	51.2	76.8	





#51

4-Methyl-2-Pentanone

Concen: 118.71 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW0723SBS02

Tot Ion: 43 Resp: 231492

Ion Ratio Lower Upper

43 100

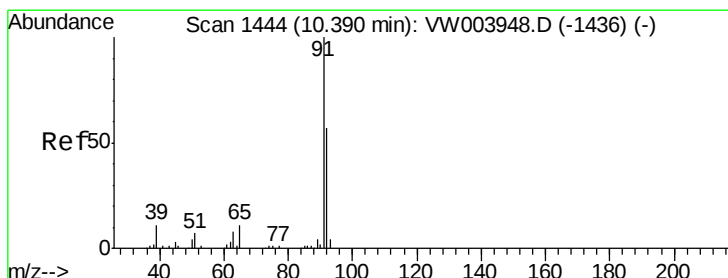
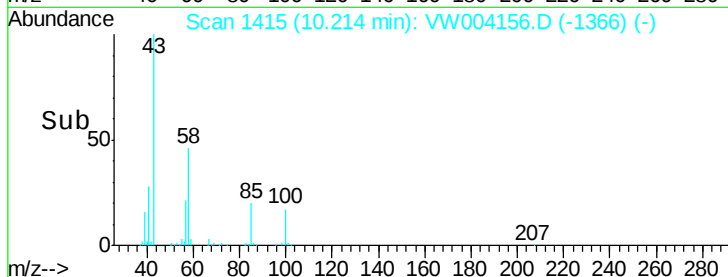
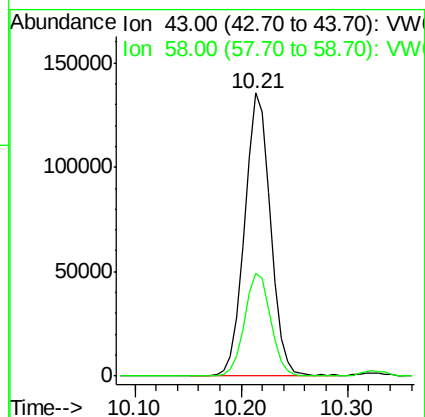
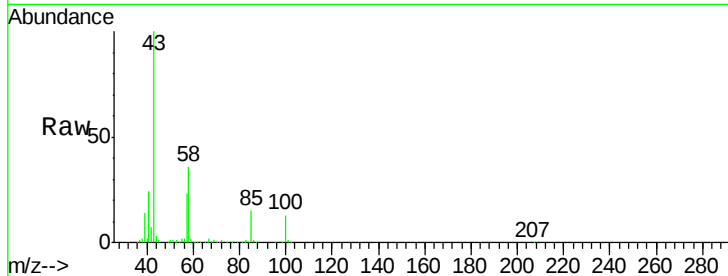
58 36.7 29.9 44.9

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#52

Toluene

Concen: 22.05 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004156.D

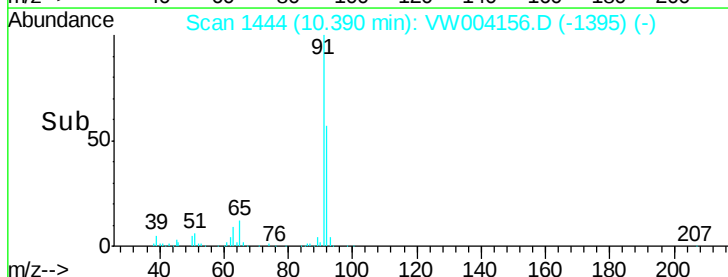
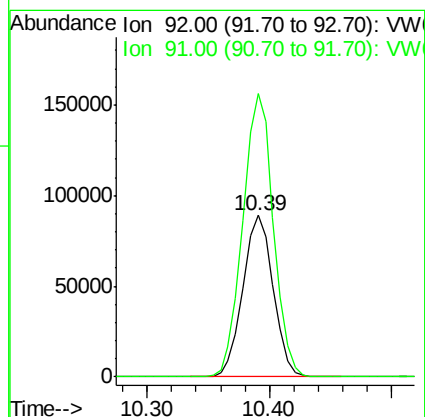
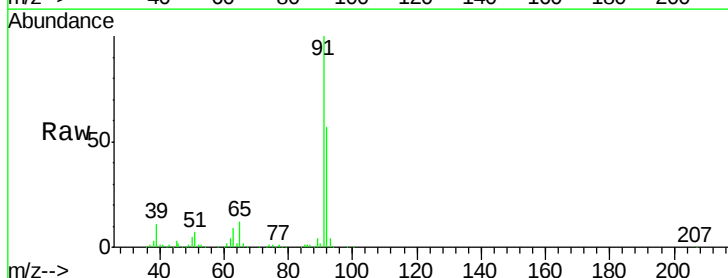
Acq: 24 Jul 2018 01:09

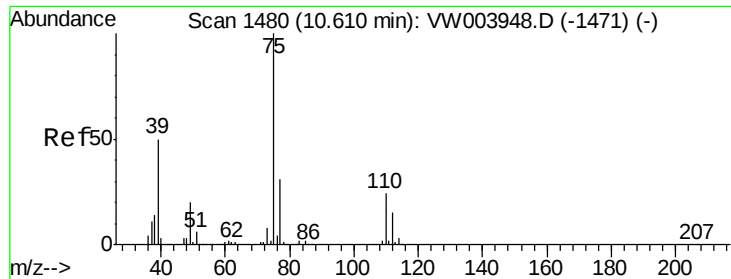
Tgt Ion: 92 Resp: 153509

Ion Ratio Lower Upper

92 100

91 176.2 139.6 209.4





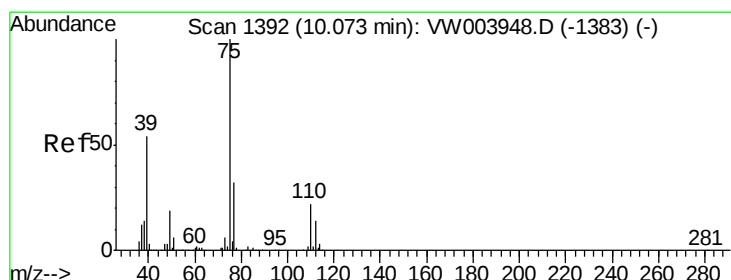
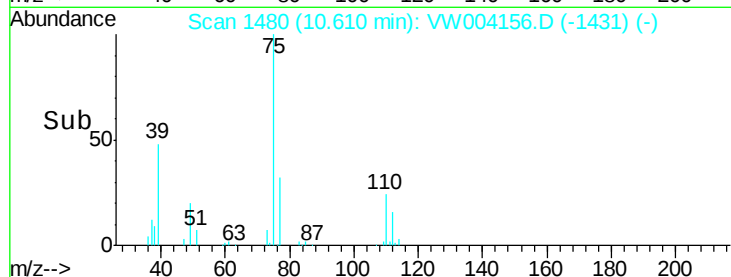
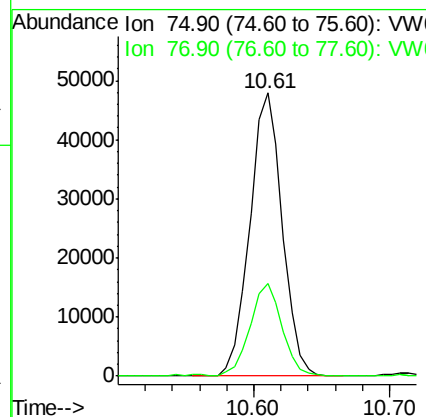
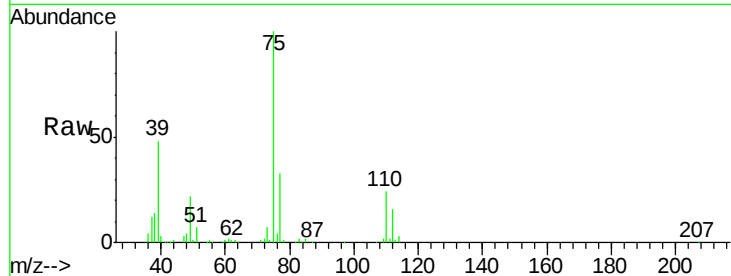
#53
t-1,3-Dichloropropene
Concen: 20.78 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBSD02

Tot Ion: 75 Resp: 79846
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8

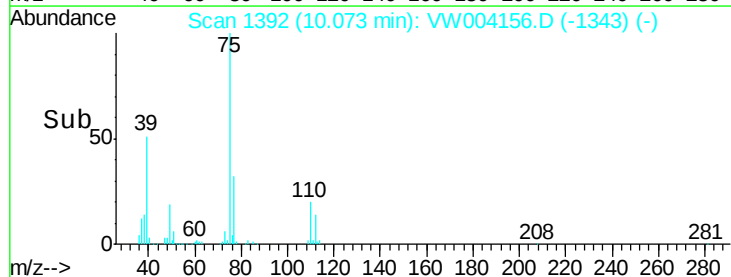
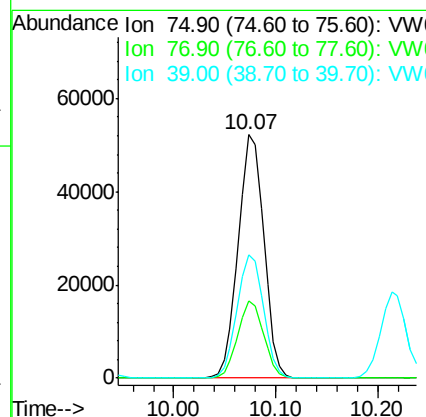
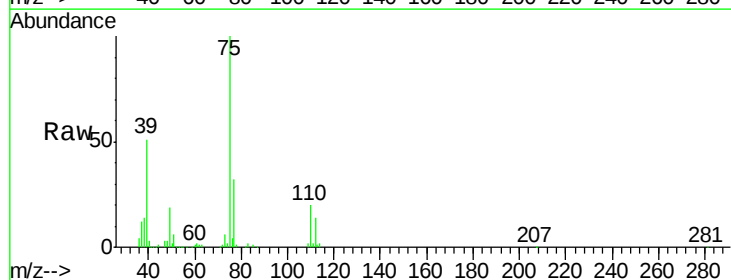
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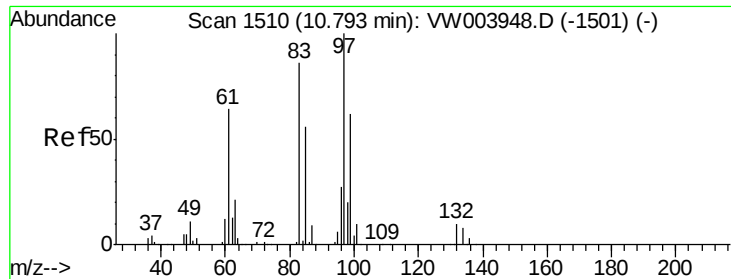
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#54
cis-1,3-Dichloropropene
Concen: 20.74 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion: 75 Resp: 91165
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2
39 50.7 43.0 64.6





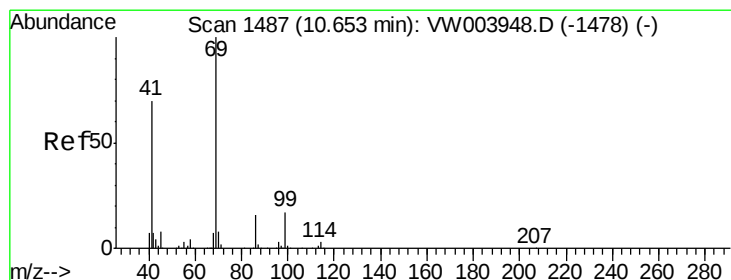
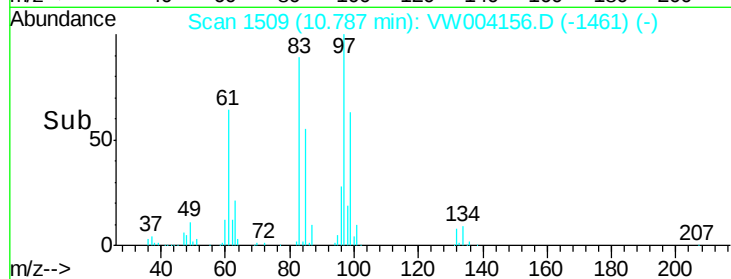
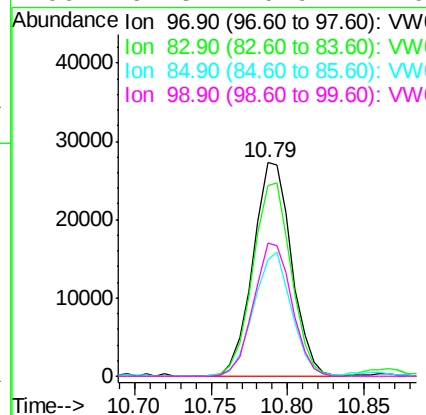
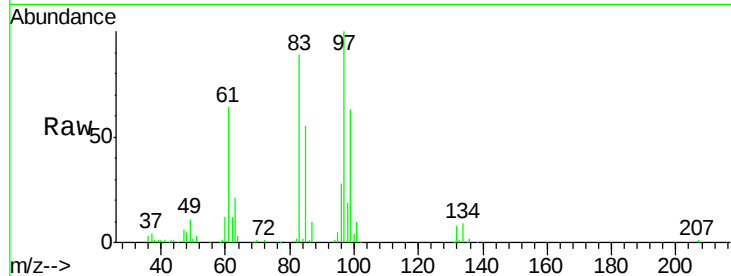
#55
 1,1,2-Trichloroethane
 Concen: 22.93 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		48085		
83	89.5	69.0	103.4		
85	54.8	45.0	67.6		
99	62.5	49.9	74.9		

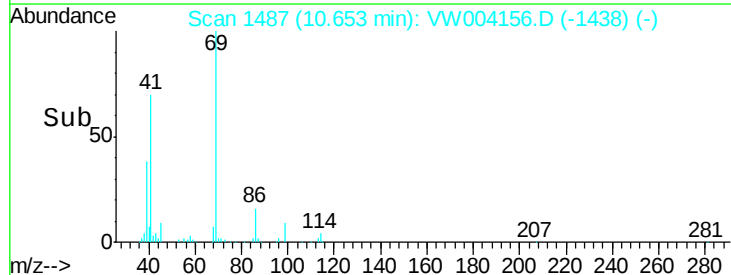
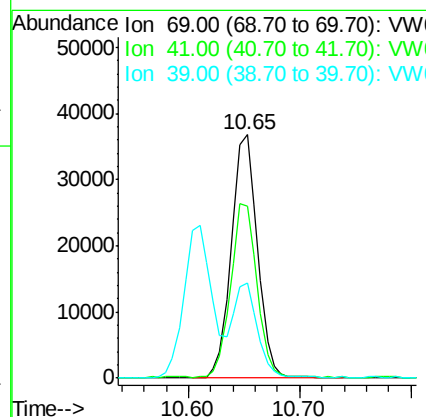
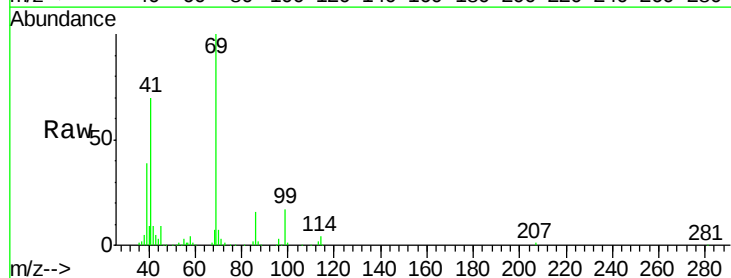
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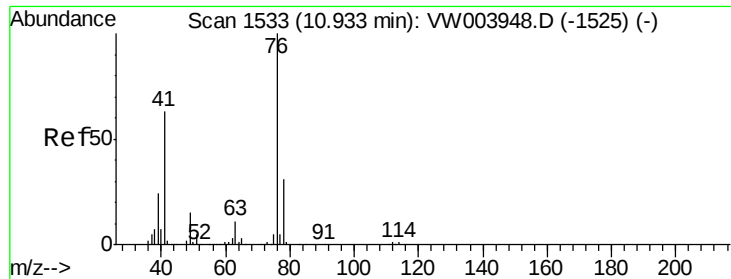
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#56
 Ethyl methacrylate
 Concen: 21.73 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		59879		
41	71.5	56.5	84.7		
39	34.2	30.2	45.4		





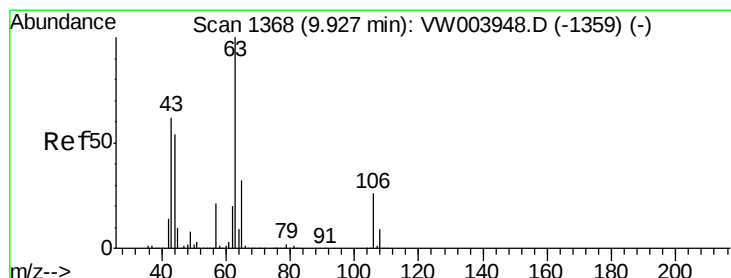
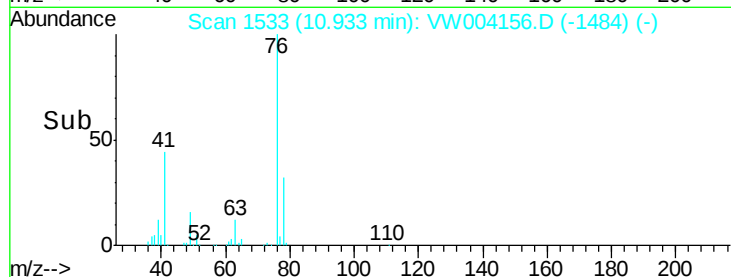
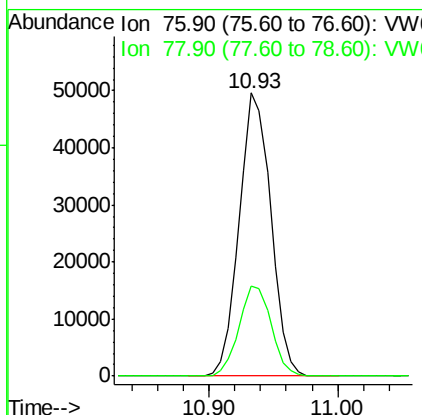
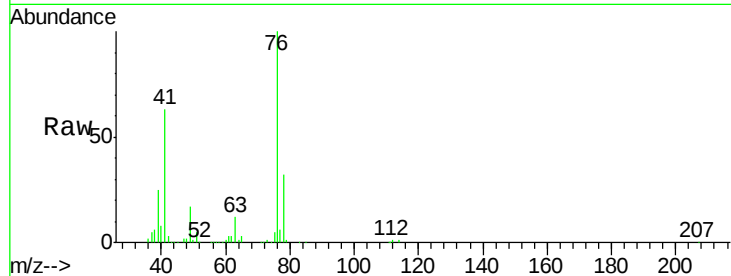
#57
 1,3-Dichloropropane
 Concen: 23.15 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBSD02

Tot Ion: 76 Resp: 84318
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8

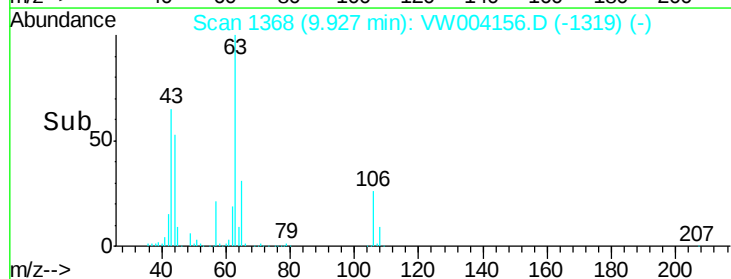
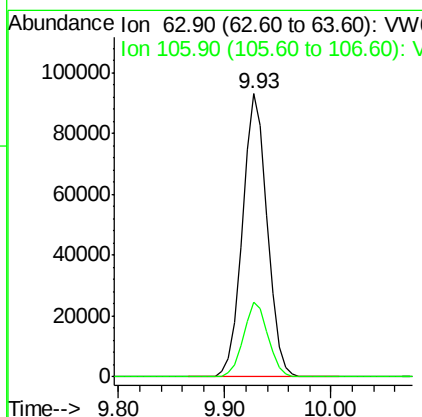
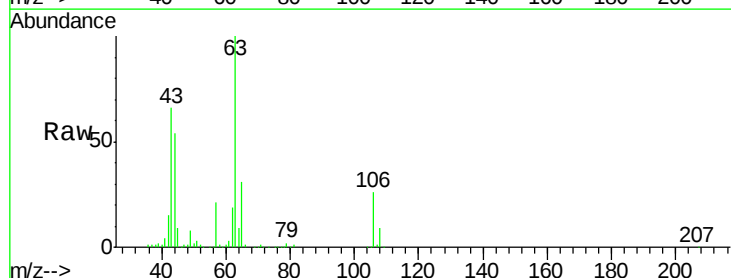
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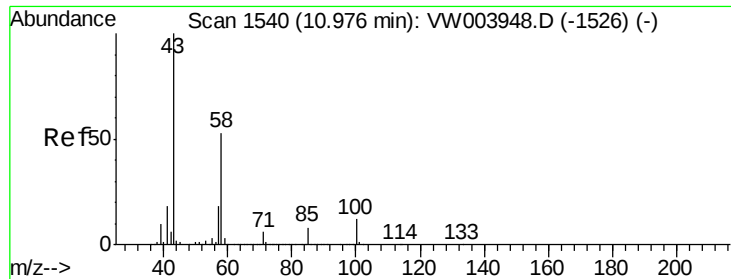
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 7/24/2018 11:50:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.79 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion: 63 Resp: 151490
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.2 31.8





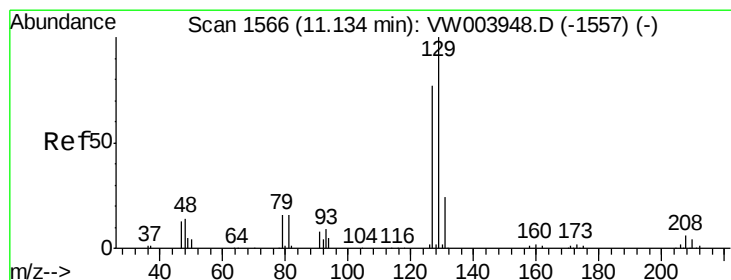
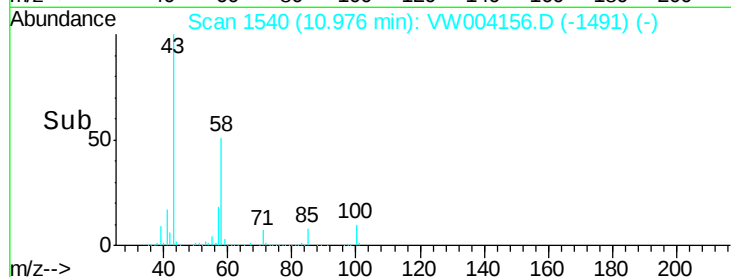
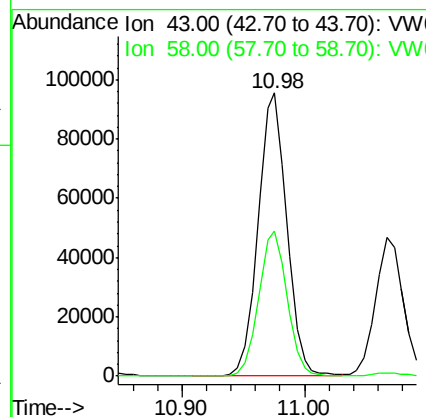
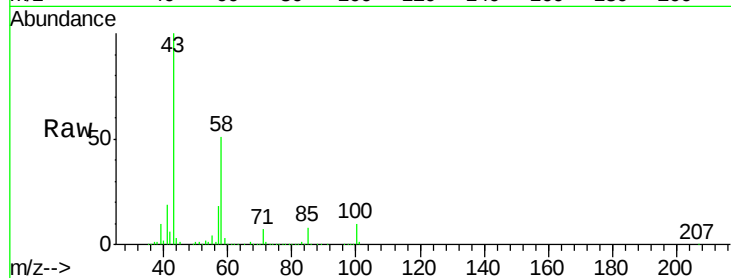
#59
2-Hexanone
Concen: 113.33 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBSD02

Tot Ion: 43 Resp: 155769
Ion Ratio Lower Upper
43 100
58 51.1 26.0 78.0

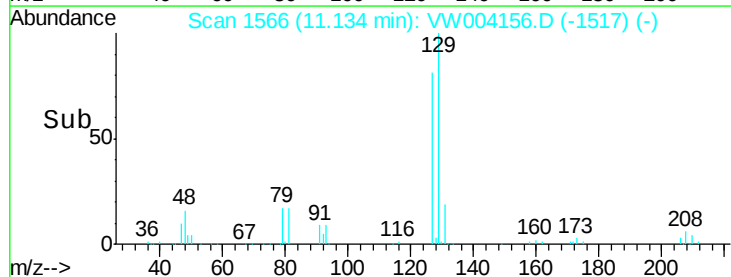
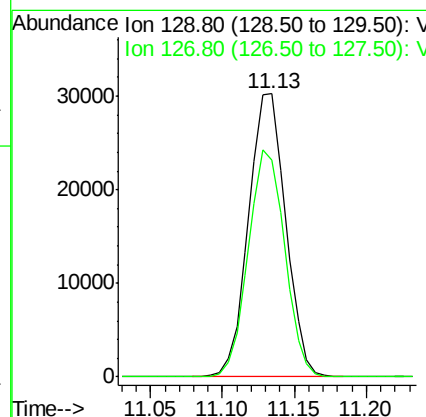
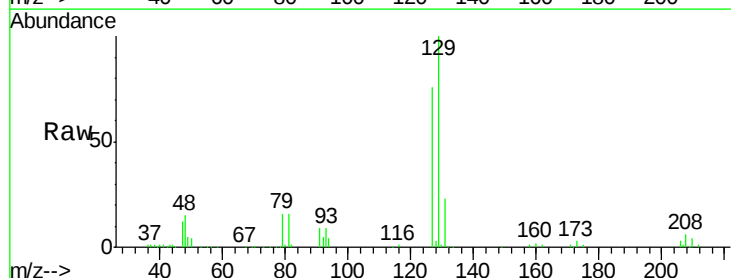
Manual Integrations
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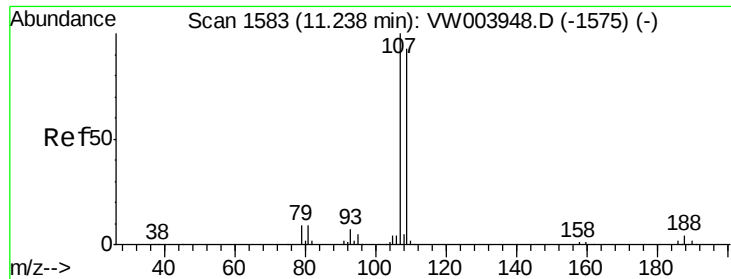
apatel
7/24/2018 11:50:12 AM



#60
Dibromochloromethane
Concen: 22.14 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion: 129 Resp: 54061
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 23.53 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW0723SBS02

Tot Ion: 107 Resp: 46945

Ion Ratio Lower Upper

107 100

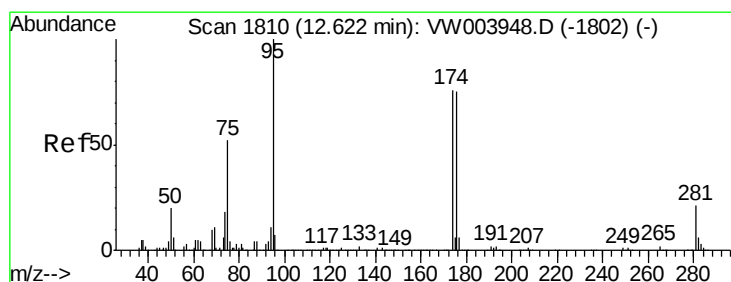
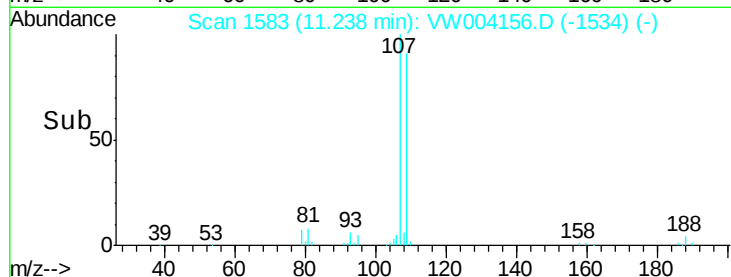
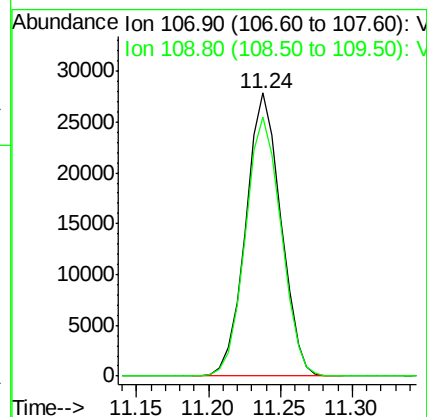
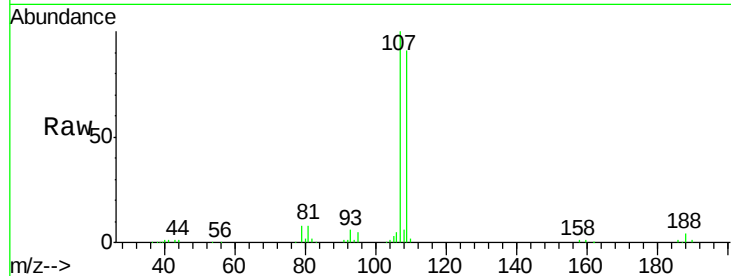
109 93.3 74.3 111.5

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 52.26 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

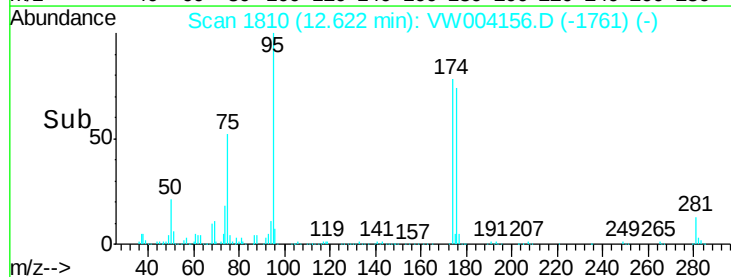
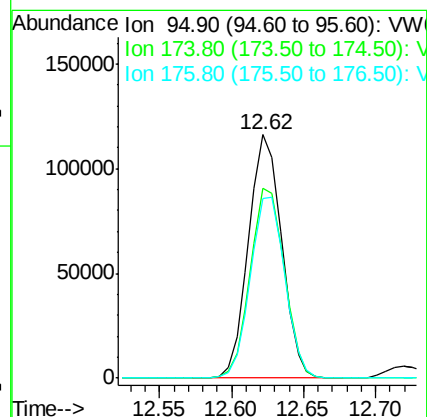
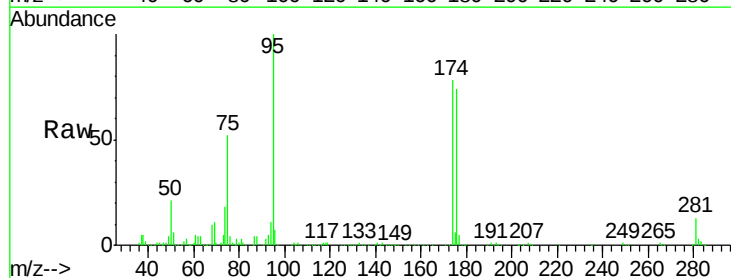
Tgt Ion: 95 Resp: 185022

Ion Ratio Lower Upper

95 100

174 80.2 0.0 160.2

176 77.2 0.0 155.8





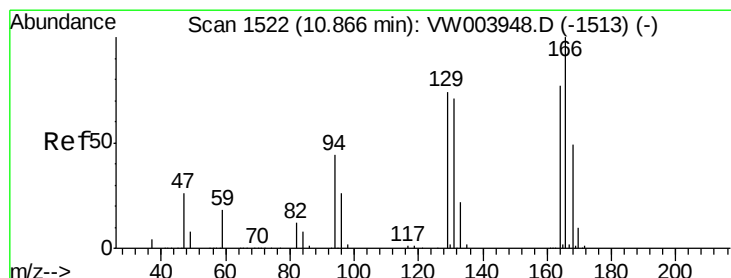
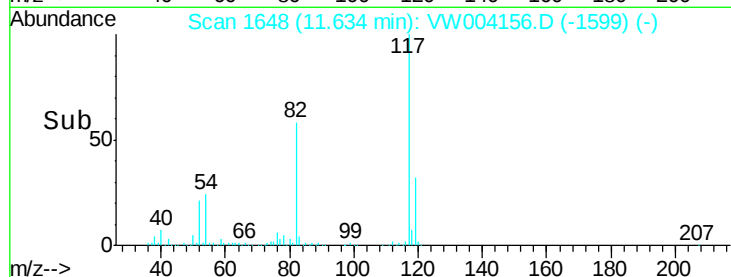
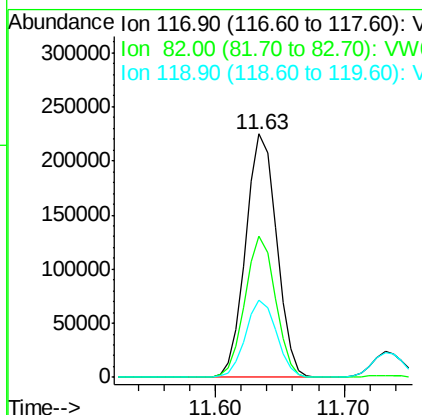
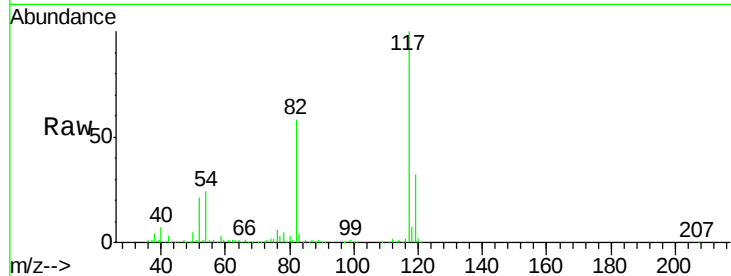
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.5	69.7
119	31.7	26.2	39.2

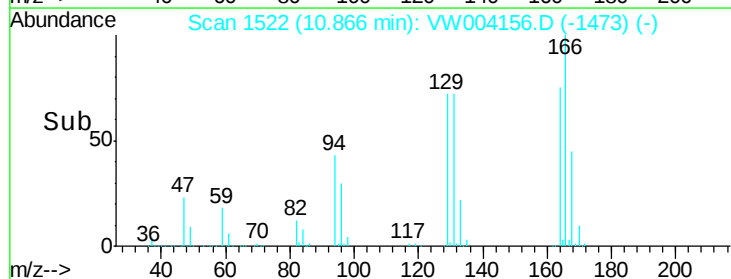
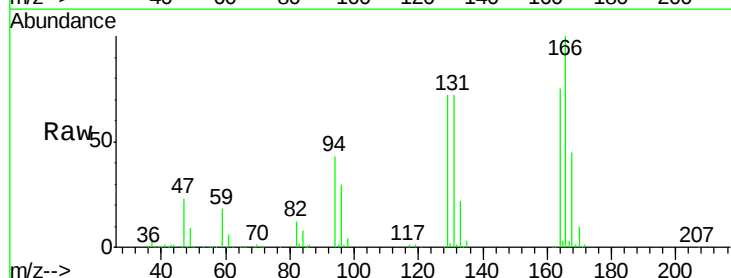
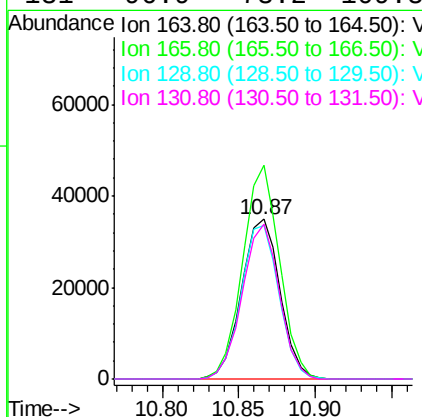
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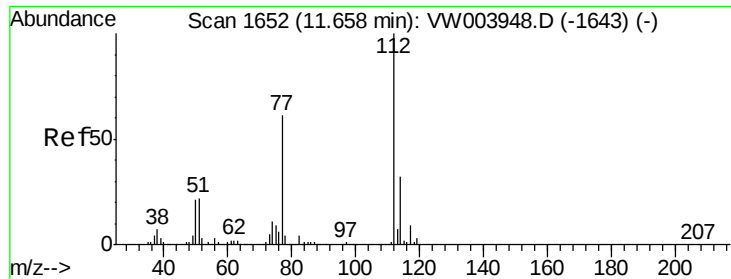
apatel
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#64
Tetrachloroethene
Concen: 23.95 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.6	103.5	155.3
129	96.0	76.8	115.2
131	96.9	73.2	109.8





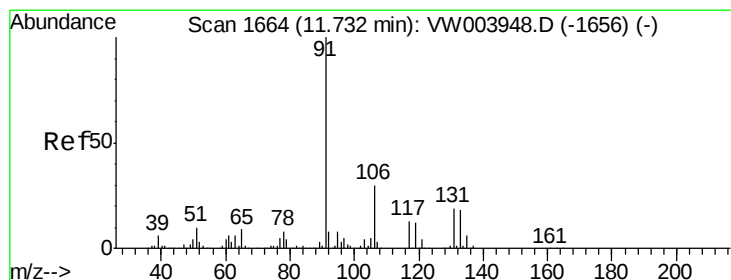
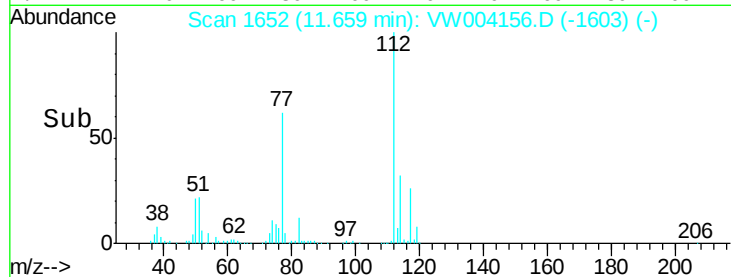
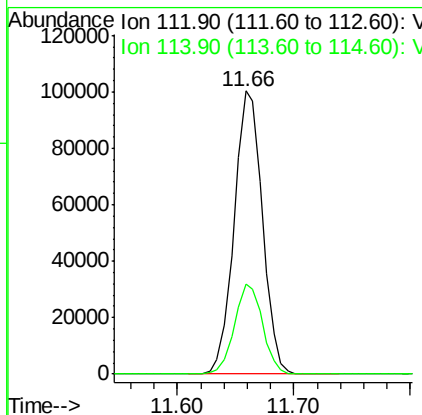
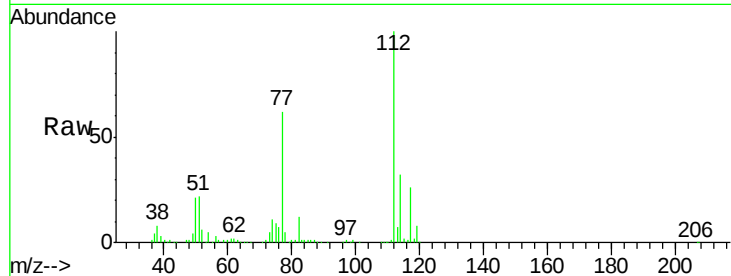
#65
Chlorobenzene
Concen: 21.39 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBSD02

Tot Ion:112 Resp: 169384
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8

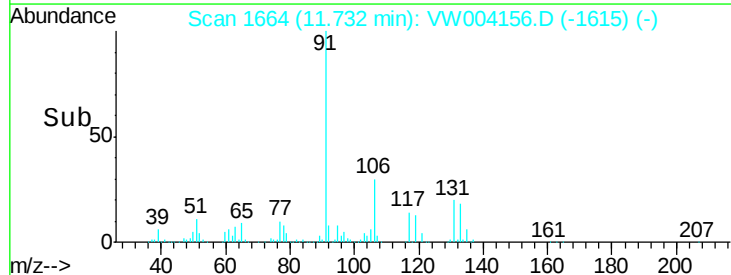
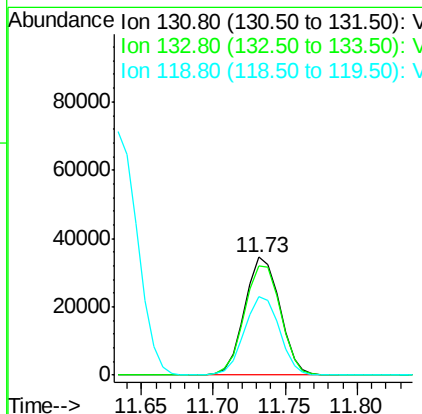
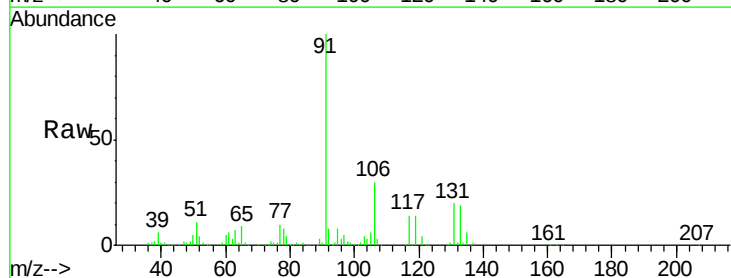
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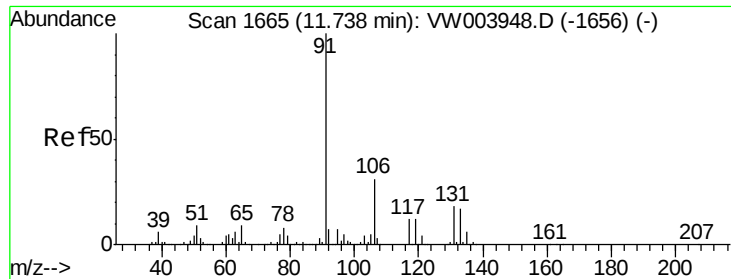
apatel
7/24/2018 11:50:12 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.31 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion:131 Resp: 58638
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.8
119 66.6 32.5 97.5





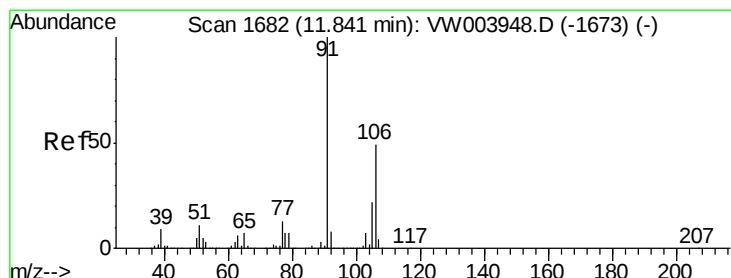
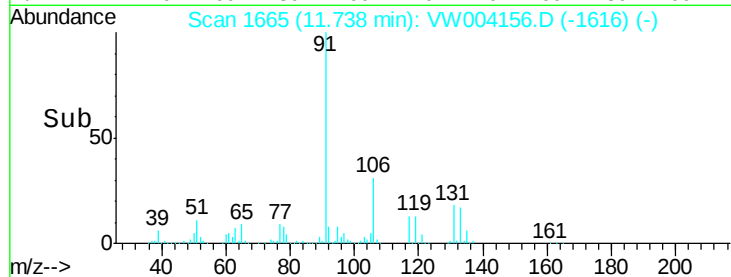
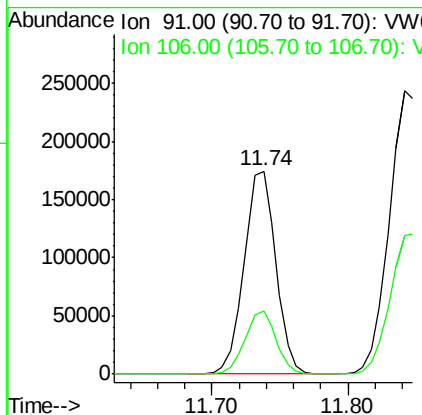
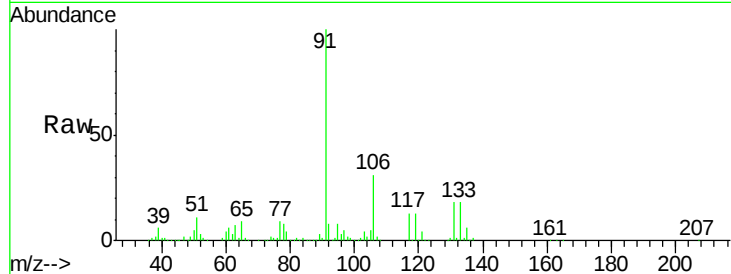
#67
Ethyl Benzene
Concen: 20.49 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBS02

Tot Ion: 91 Resp: 285055
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4

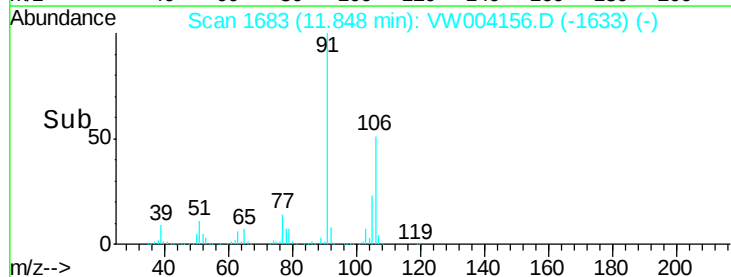
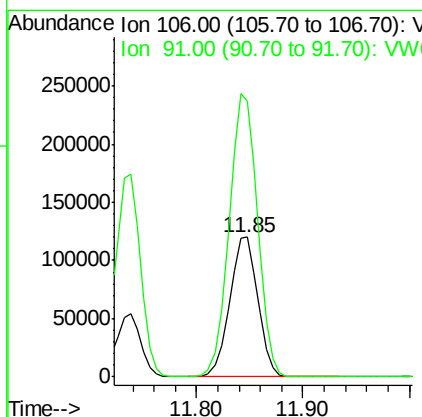
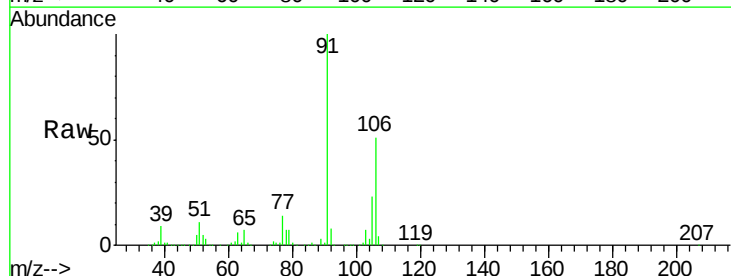
Manual Integrations
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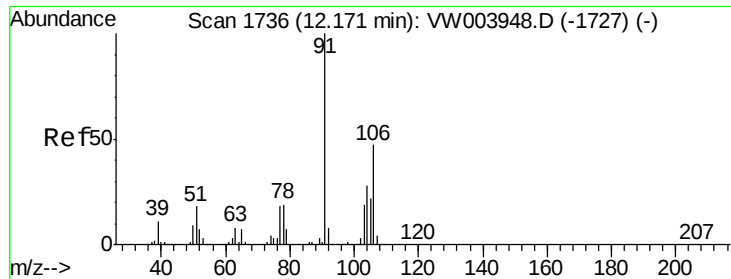
apatel
7/24/2018 11:50:12 AM



#68
m/p-Xylenes
Concen: 41.89 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion: 106 Resp: 222700
Ion Ratio Lower Upper
106 100
91 203.5 164.2 246.2





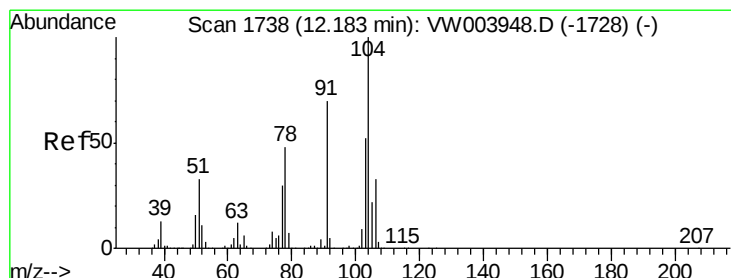
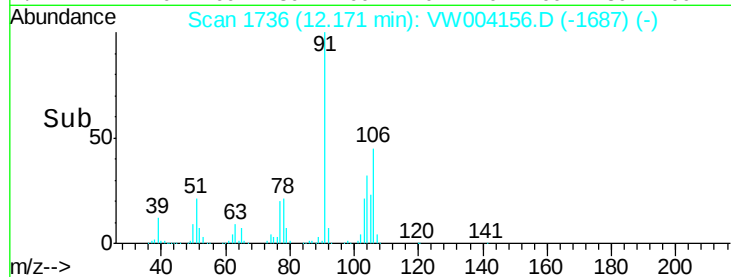
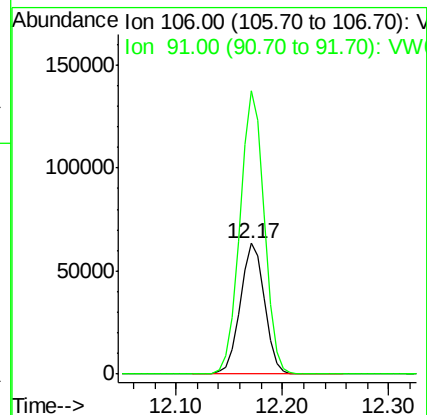
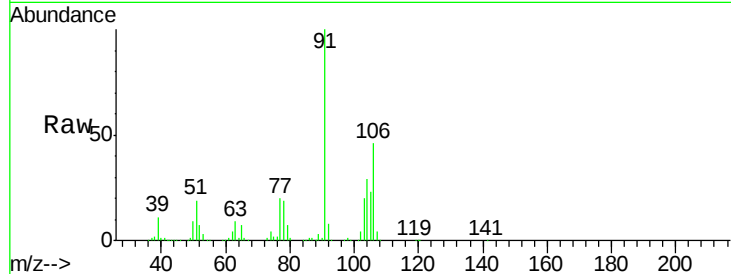
#69
o-Xylene
Concen: 20.60 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		101572		
91	216.7	107.5	322.6		

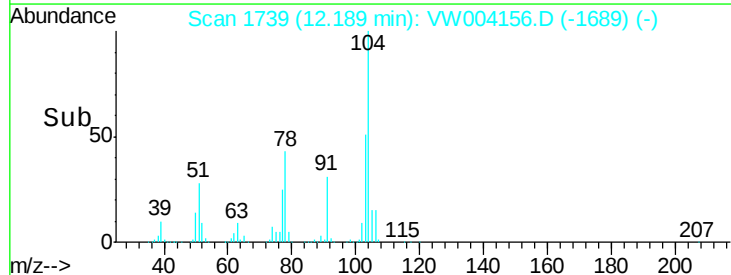
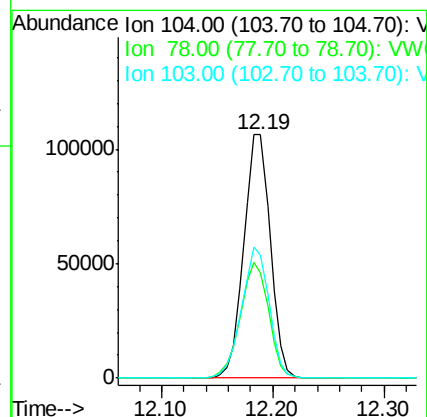
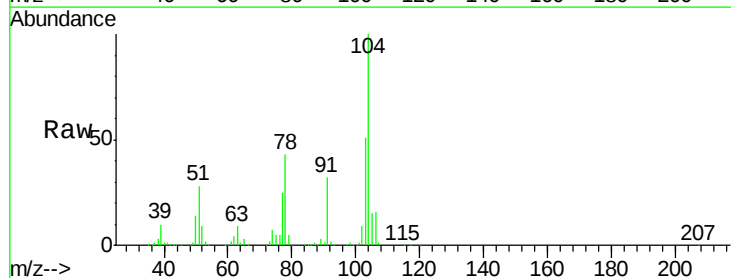
Manual Integrations
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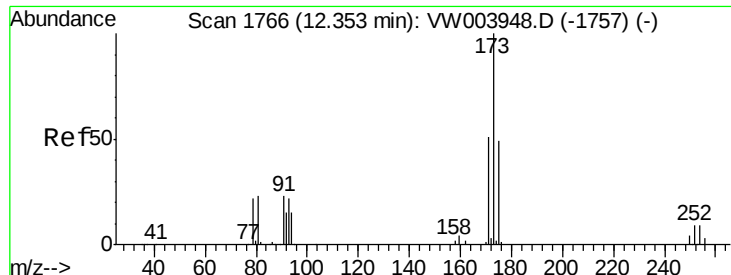
apatel
7/24/2018 11:50:12 AM



#70
Styrene
Concen: 21.41 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		176329		
78	50.4	41.0	61.4		
103	55.8	44.6	67.0		





#71

Bromoform

Concen: 21.30 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW0723SBS02

Tot Ion:173 Resp: 33098

Ion Ratio Lower Upper

173 100

175 49.9 24.4 73.2

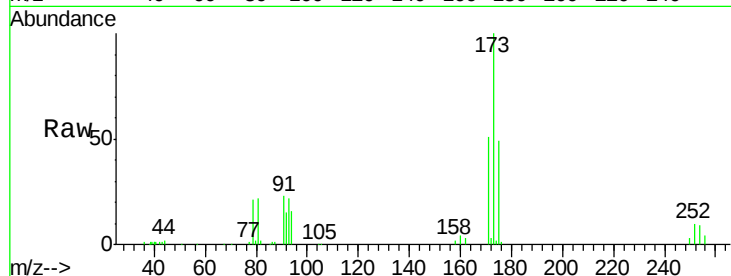
254 0.0 0.1 0.1#

Manual Integrations

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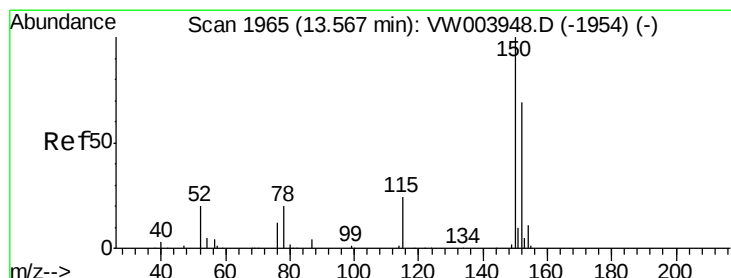
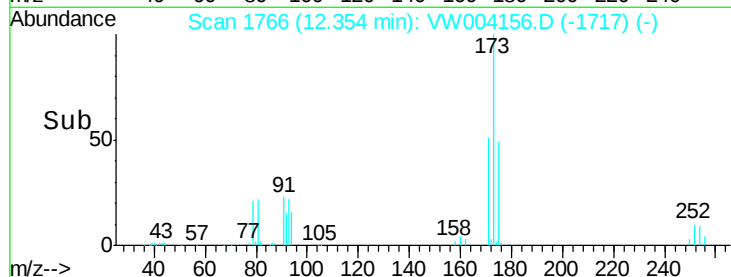
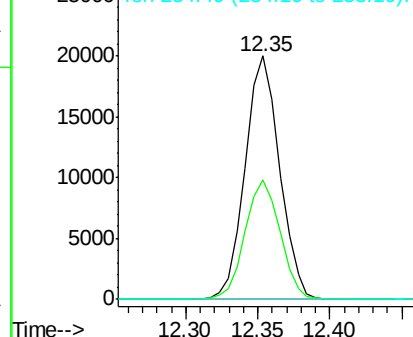
7/24/2018 11:50:12 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

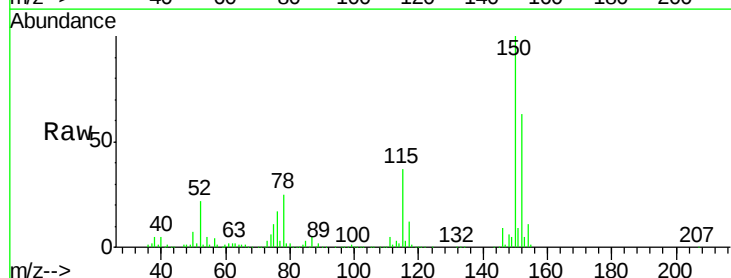
Tgt Ion:152 Resp: 195731

Ion Ratio Lower Upper

152 100

115 58.0 29.2 87.6

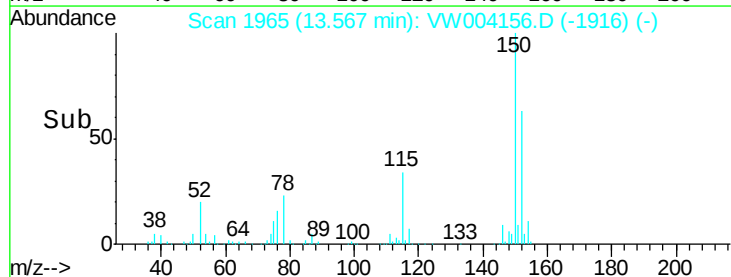
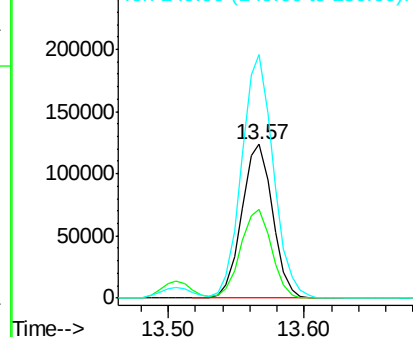
150 162.4 0.0 345.2

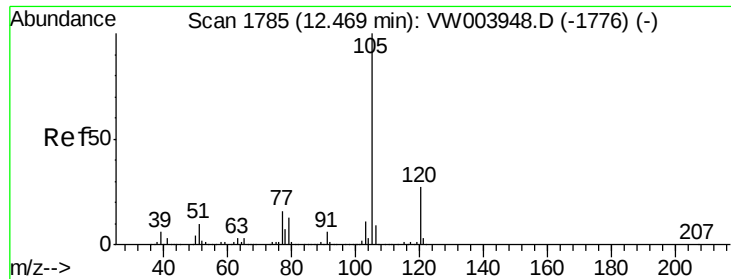


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.96 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW0723SBS02

Tot Ion:105 Resp: 276011

Ion Ratio Lower Upper

105 100

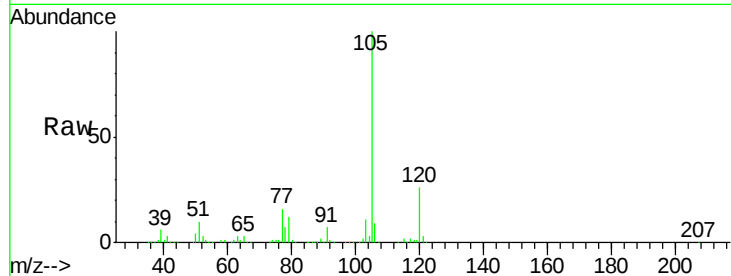
120 25.9 13.2 39.6

Manual Integrations

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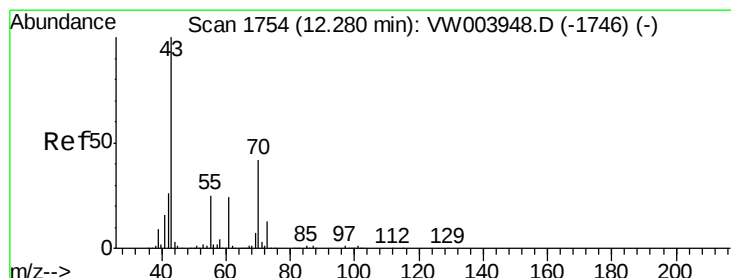
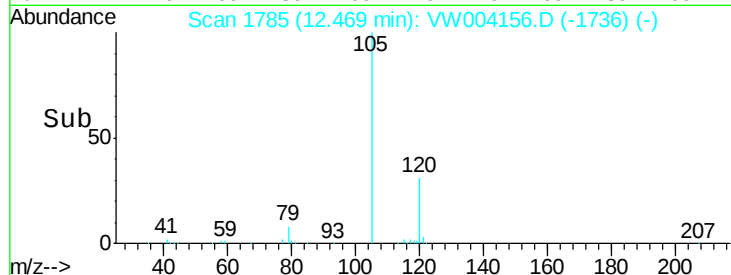
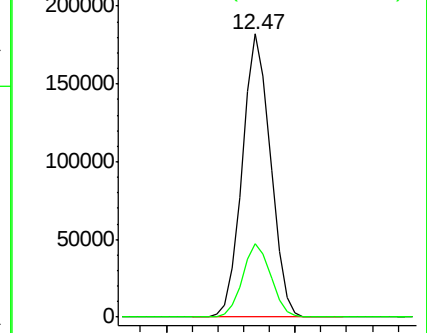
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.67 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Tgt Ion: 43 Resp: 78082

Ion Ratio Lower Upper

43 100

70 39.7 31.6 47.4

55 26.1 20.0 30.0

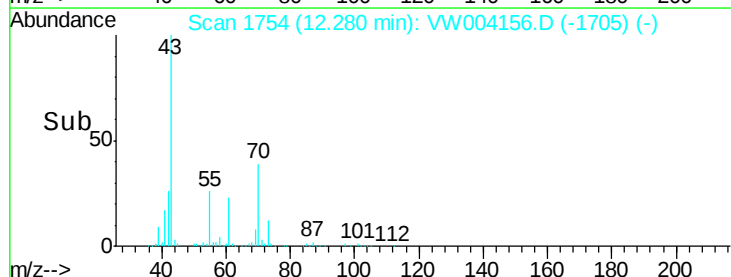
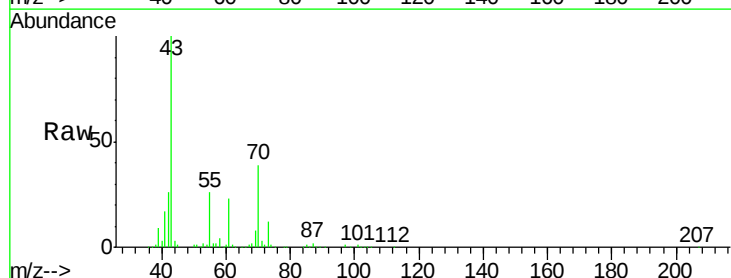
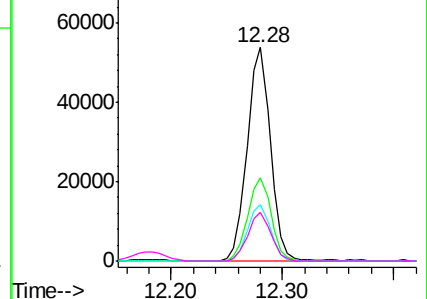
61 22.6 18.5 27.7

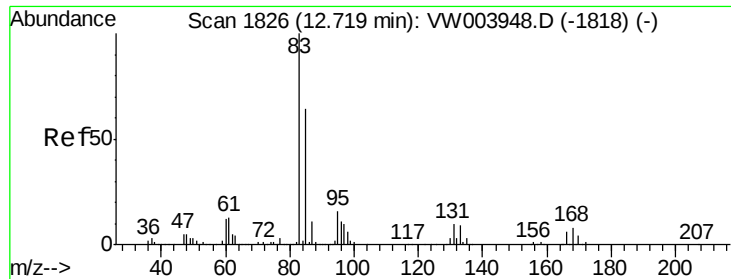
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





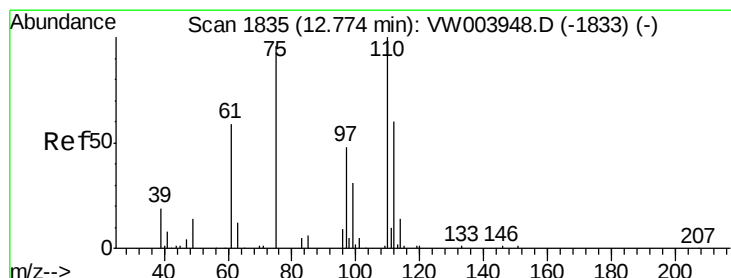
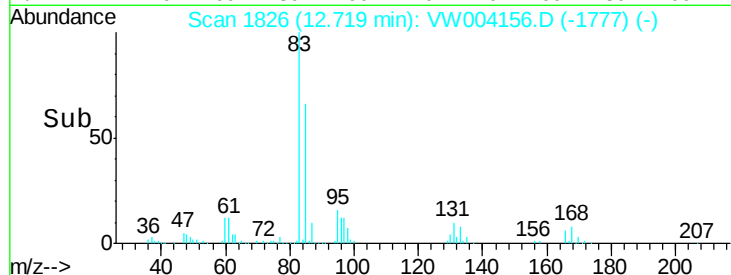
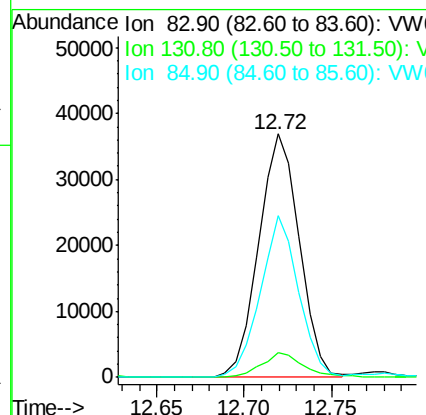
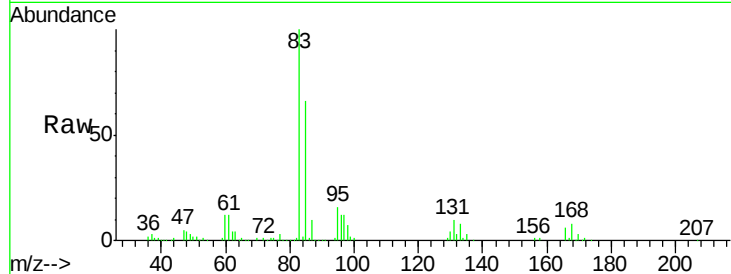
#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.42 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBS02

Tot Ion	83	Resp	59975
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	5.3	15.8
85	62.5	32.2	96.6

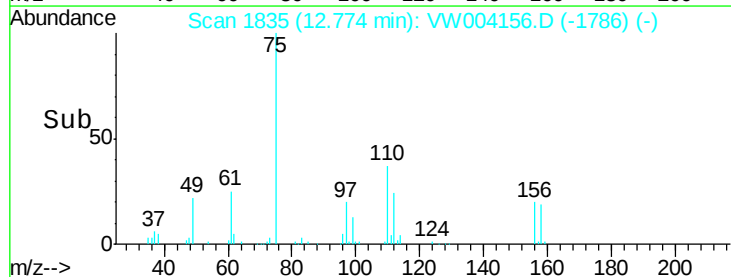
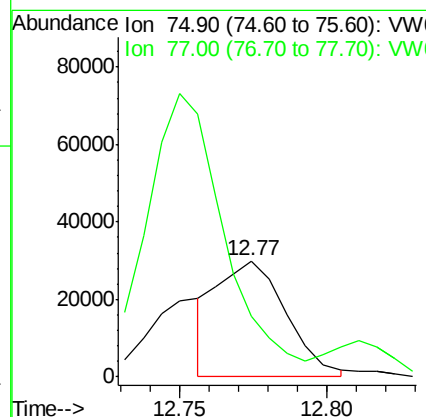
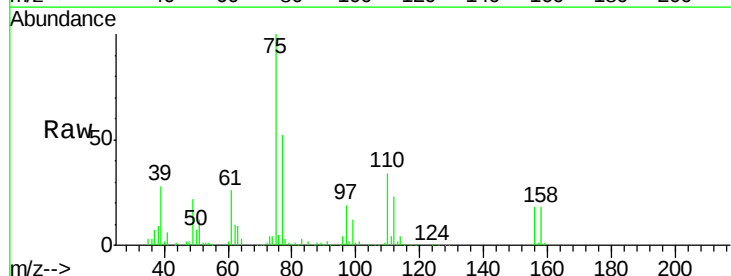
Manual Integrations
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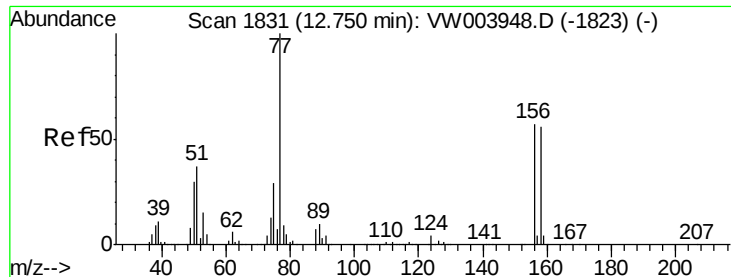
apatel
 7/24/2018 11:50:12 AM



#76
 1,2,3-Trichloropropane
 Concen: 25.21 ug/l m
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion	75	Resp	48978
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.68 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW0723SBS02

Tot Ion:156 Resp: 68425

Ion Ratio Lower Upper

156 100

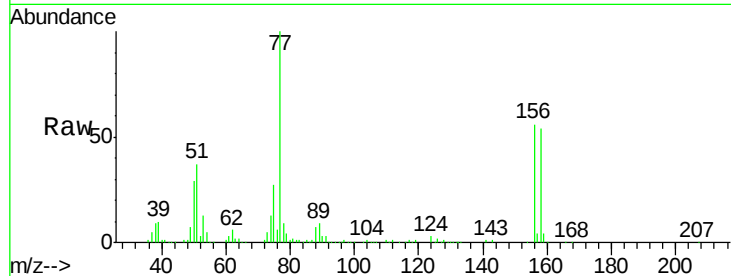
77 197.8 96.2 288.6

158 97.8 48.5 145.5

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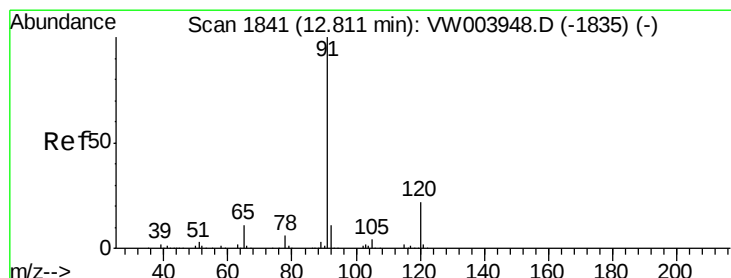
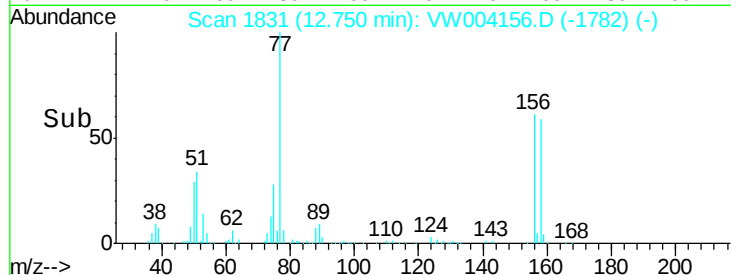
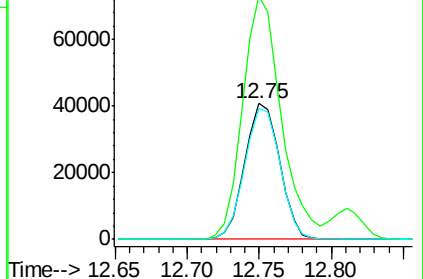
7/24/2018 11:50:12 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.50 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004156.D

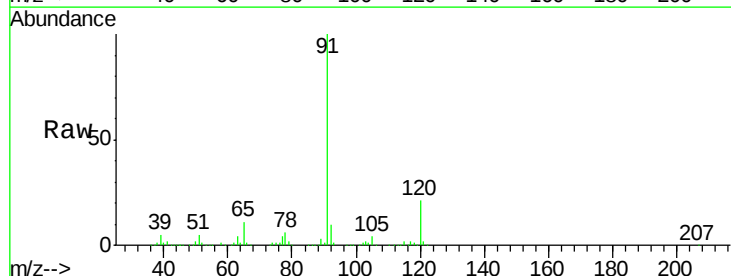
Acq: 24 Jul 2018 01:09

Tgt Ion: 91 Resp: 347823

Ion Ratio Lower Upper

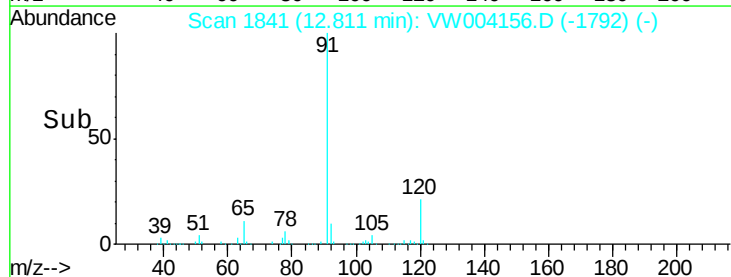
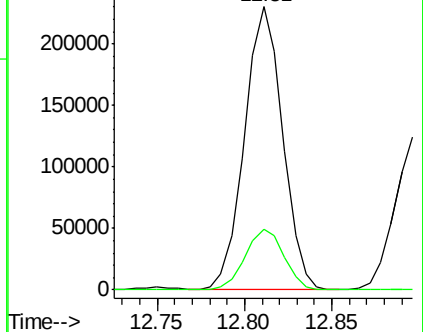
91 100

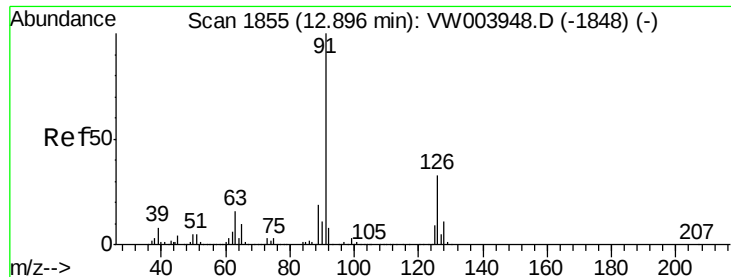
120 22.0 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.68 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW0723SBSD02

Tot Ion: 91 Resp: 197943

Ion Ratio Lower Upper

91 100

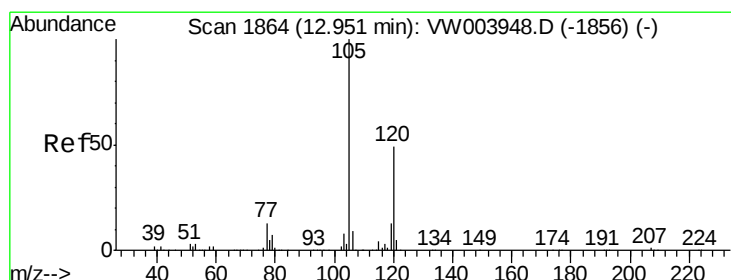
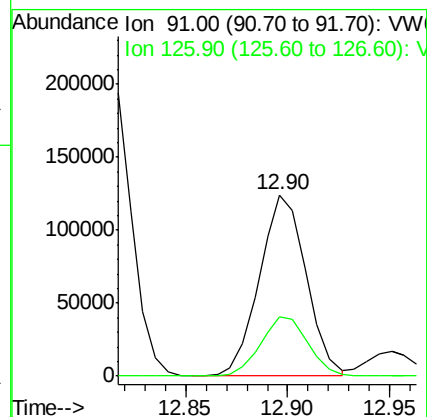
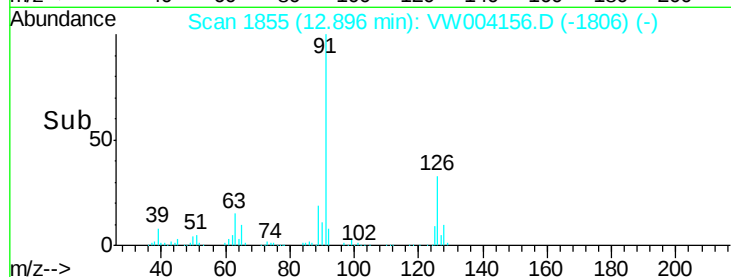
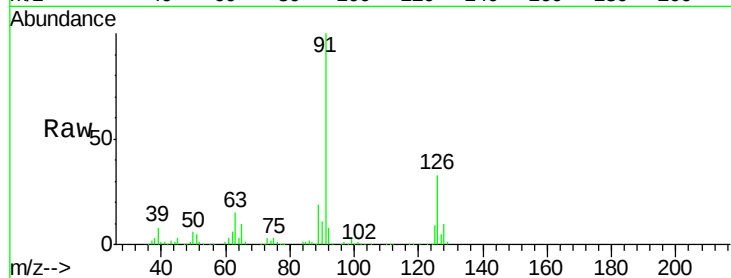
126 33.3 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.62 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004156.D

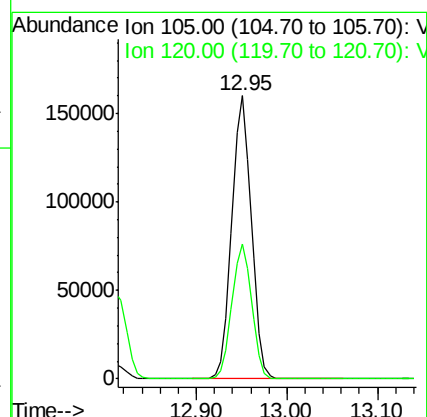
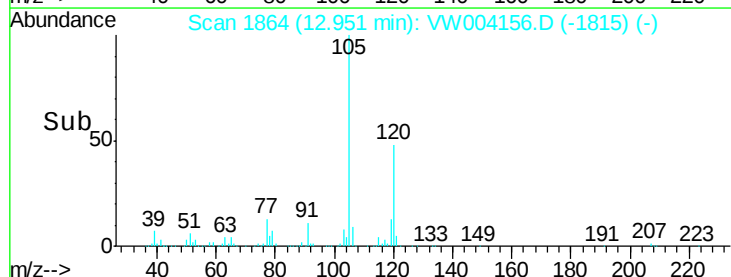
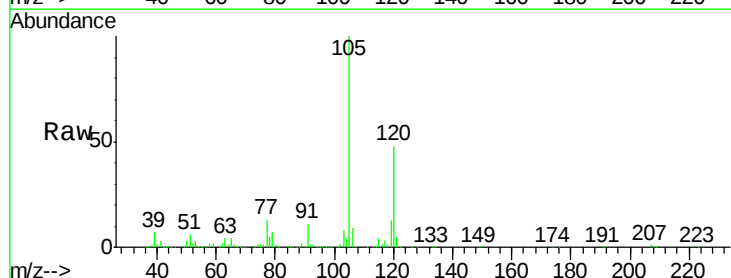
Acq: 24 Jul 2018 01:09

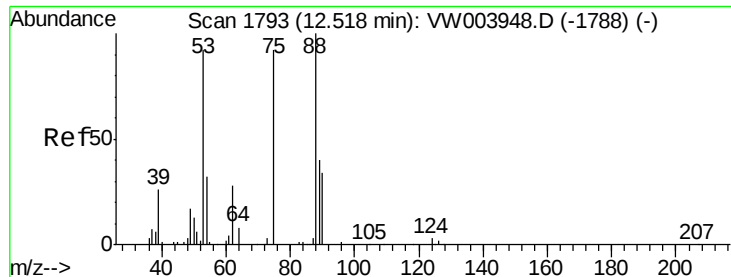
Tgt Ion:105 Resp: 239980

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.2





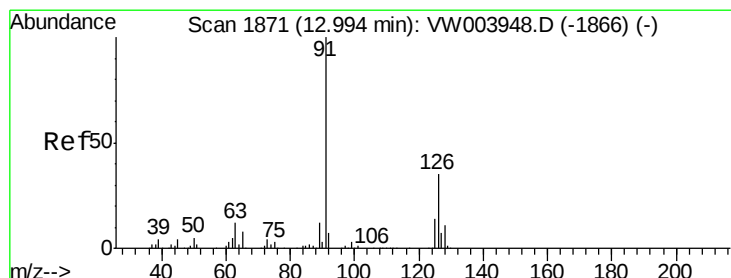
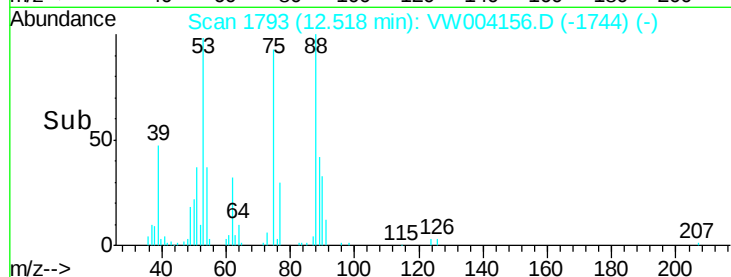
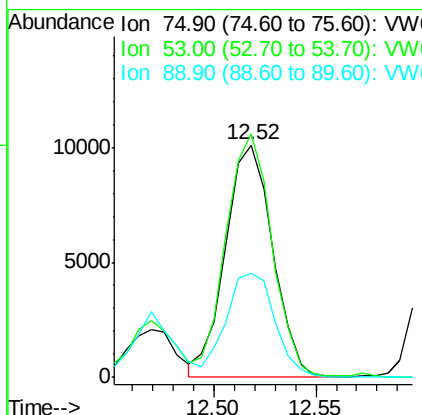
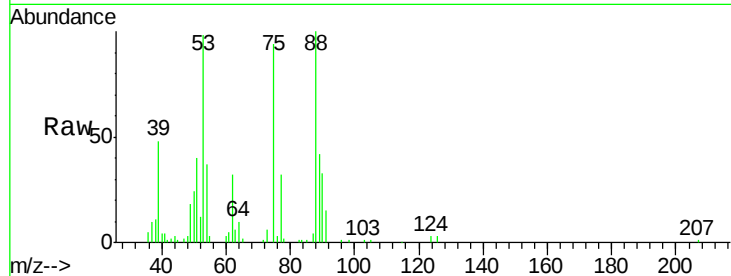
#81
trans-1,4-Dichloro-2-butene
Concen: 18.51 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.4	77.6	116.4
89	45.9	36.6	54.8

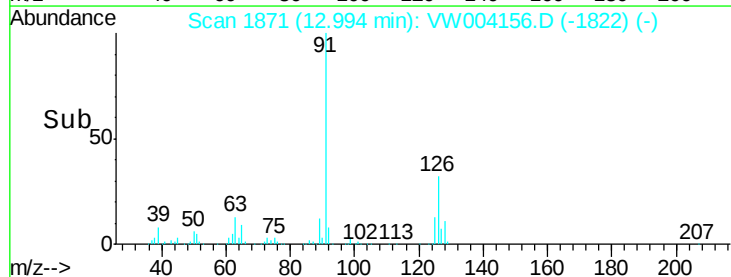
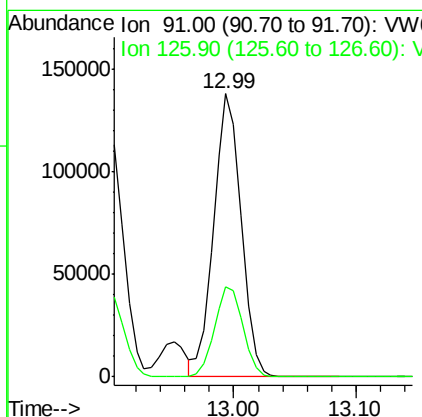
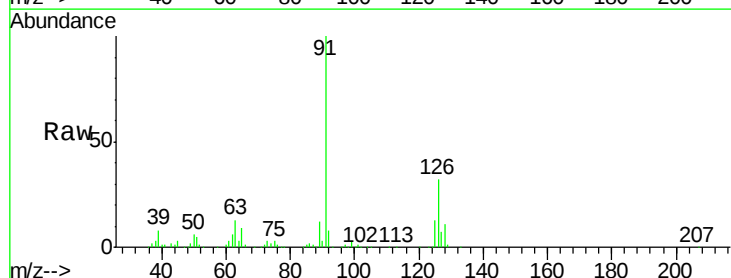
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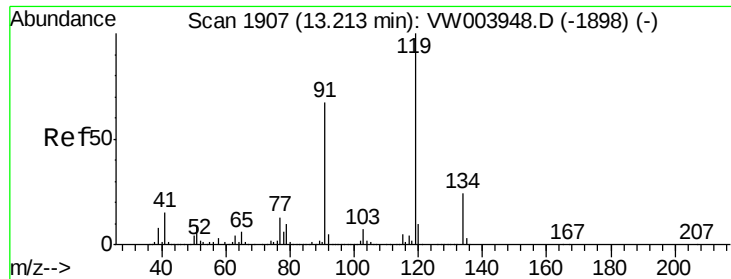
apatel
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#82
4-Chlorotoluene
Concen: 21.00 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.7	50.0





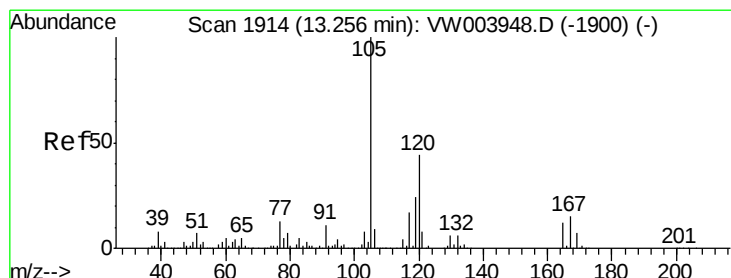
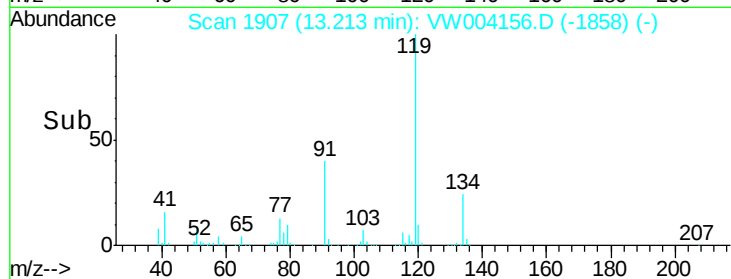
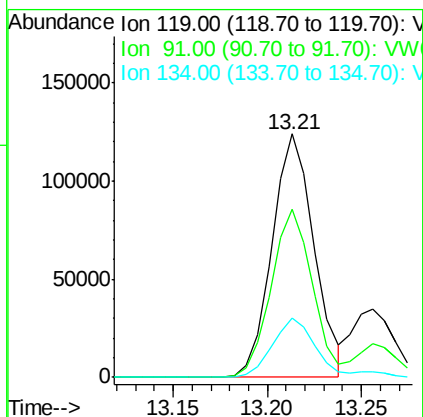
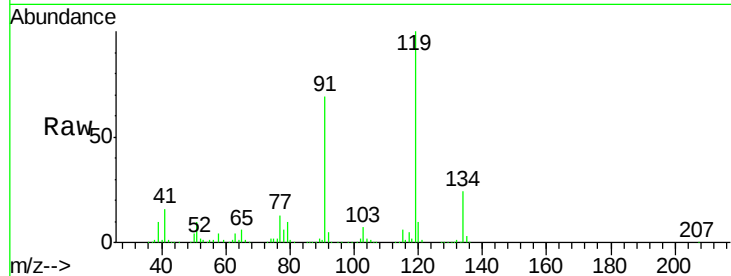
#83
tert-Butylbenzene
Concen: 19.59 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	191461		
91	67.8	33.2	99.6	
134	24.4	13.0	38.9	

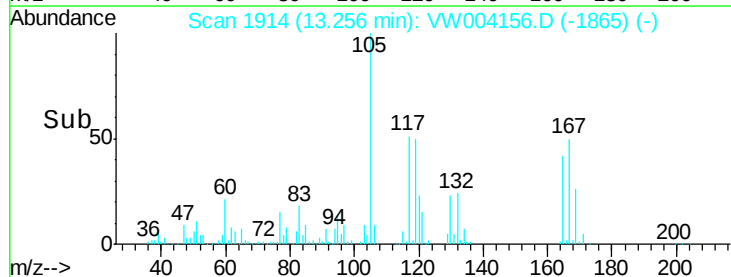
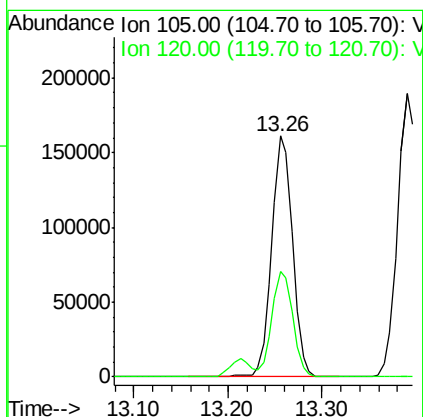
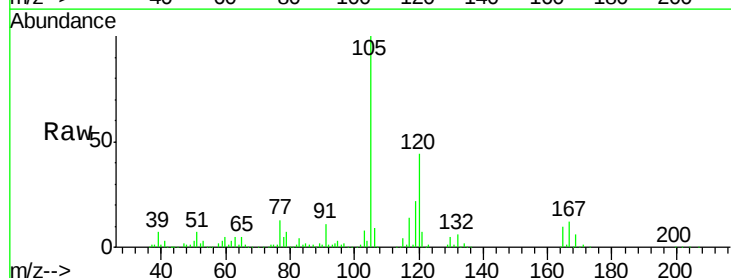
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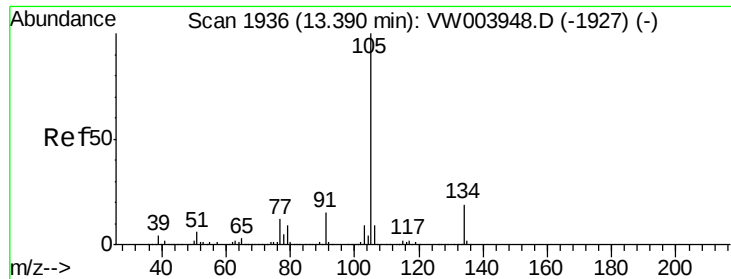
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 20.86 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	249841		
120	43.9	22.1	66.1	





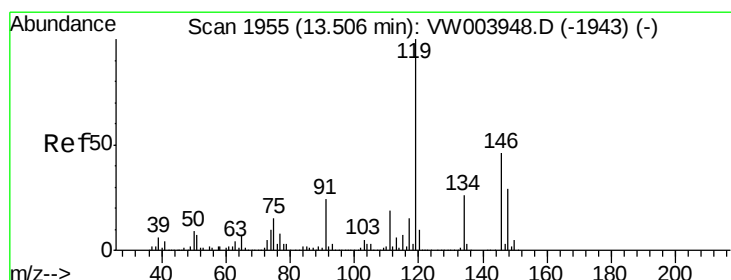
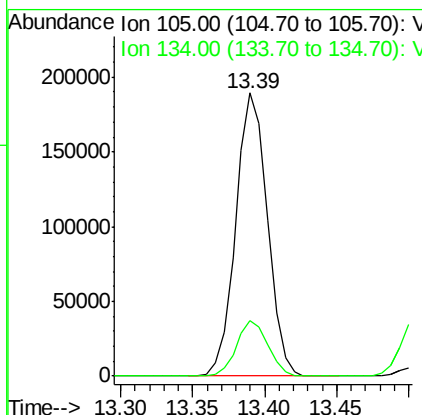
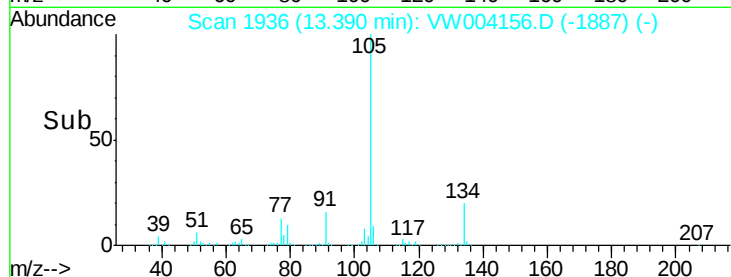
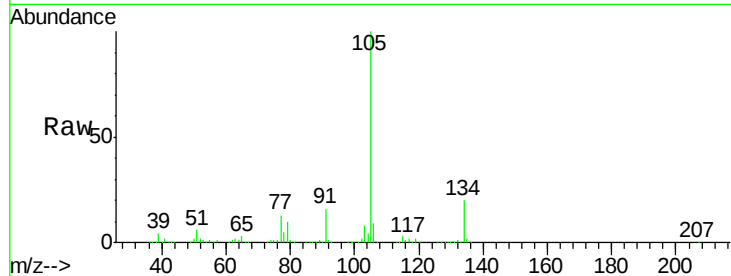
#85
 sec-Butylbenzene
 Concen: 19.94 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

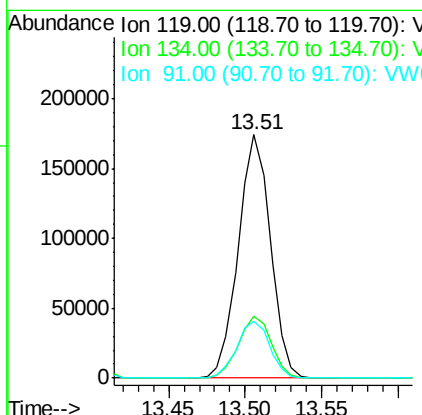
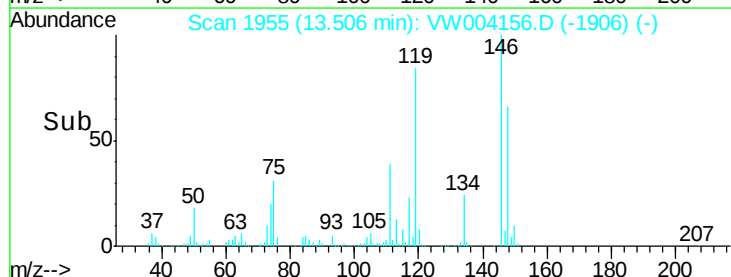
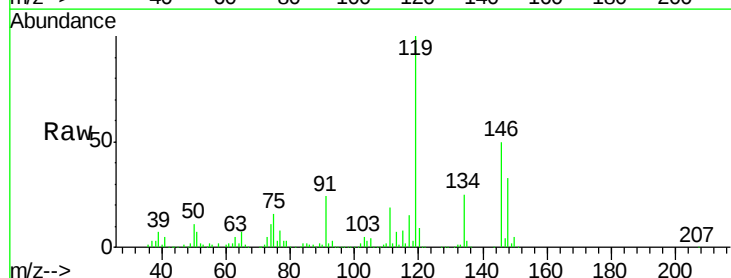
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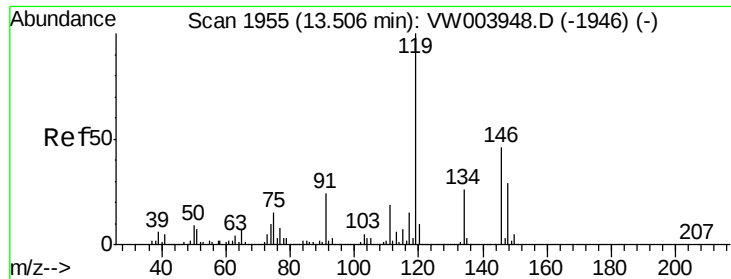
apatel
 7/24/2018 11:50:12 AM



#86
 p-Isopropyltoluene
 Concen: 20.00 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	23.8	11.8	35.3





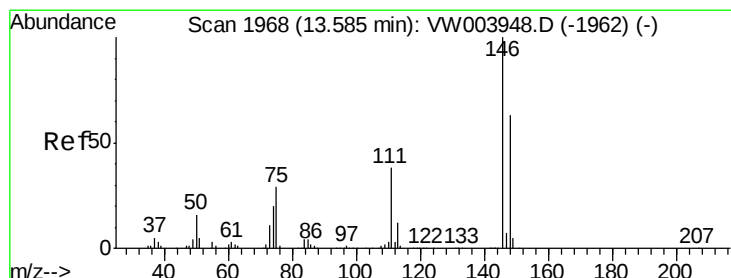
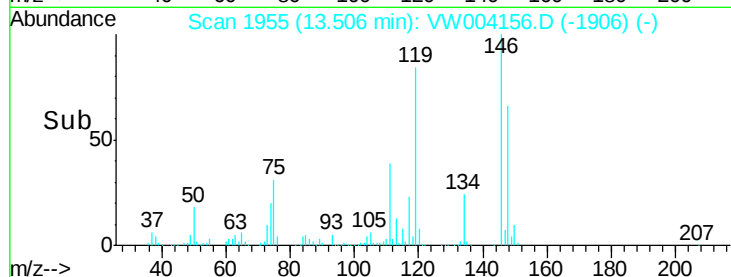
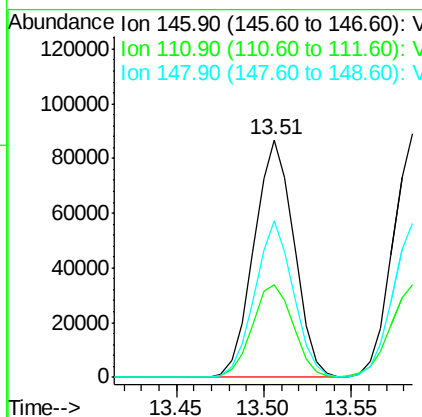
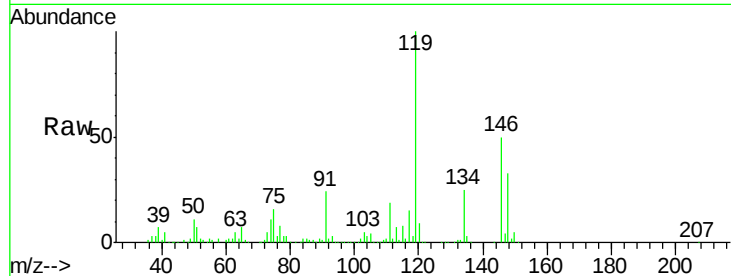
#87
 1,3-Dichlorobenzene
 Concen: 20.87 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.6
148	63.4	31.9	95.5

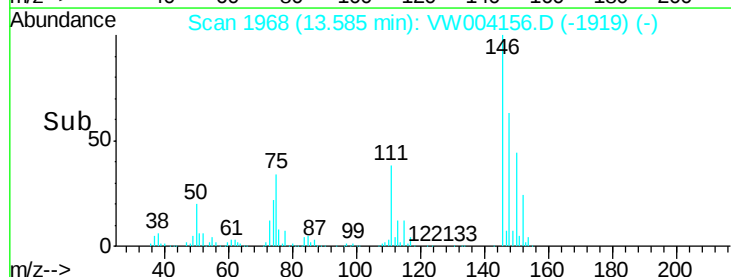
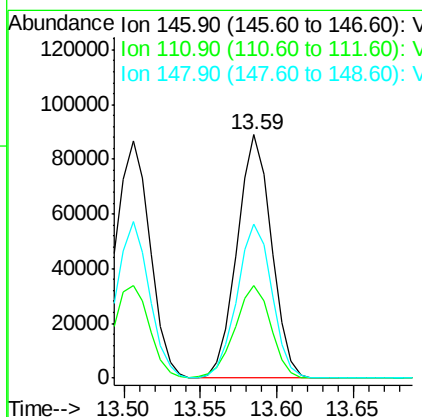
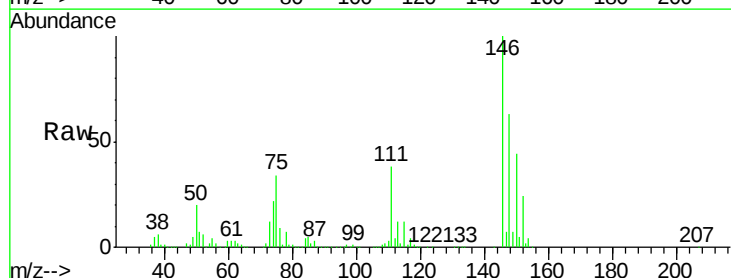
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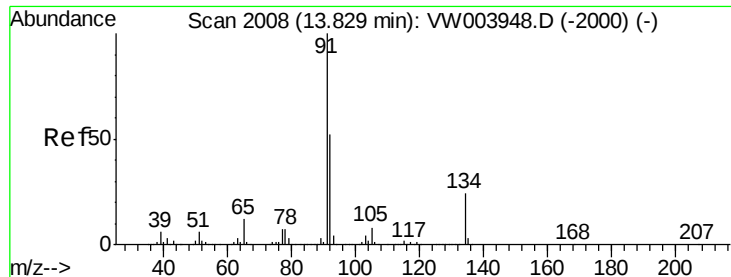
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.94 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	64.4	32.3	96.8





#89

n-Butylbenzene

Concen: 19.37 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

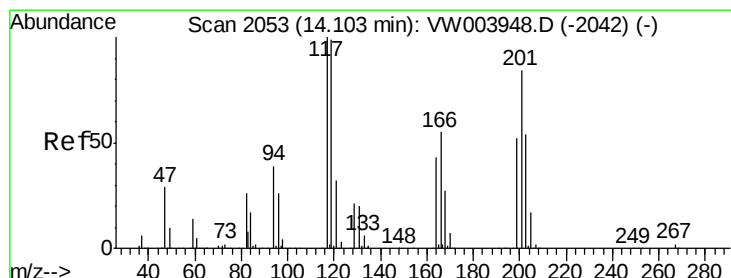
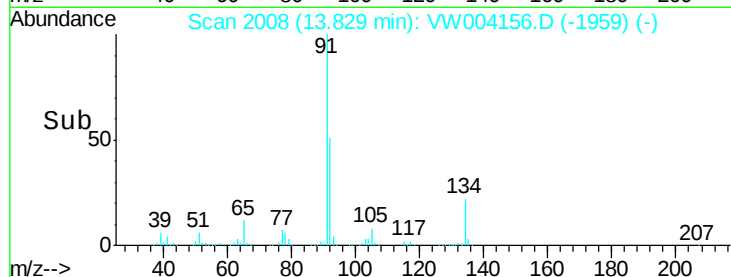
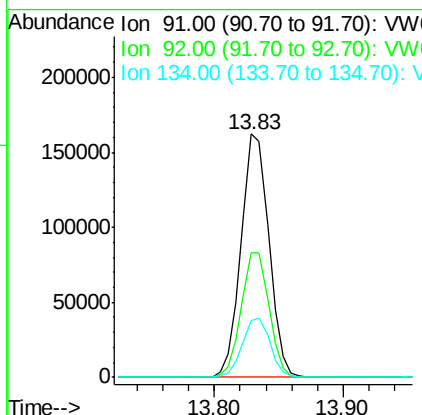
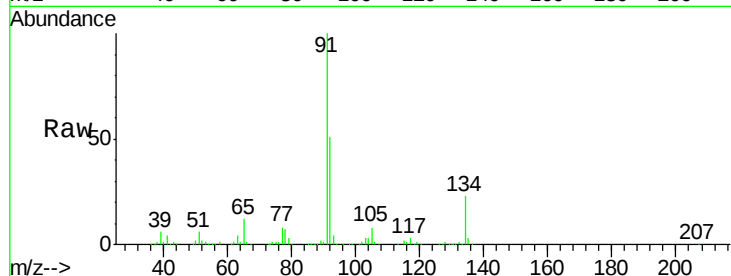
ClientSampleId :

VW0723SBS02

Tot Ion:	91	Resp:	242213
Ion Ratio	Lower	Upper	
91	100		
92	51.3	26.1	78.3
134	24.4	12.4	37.4

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#90

Hexachloroethane

Concen: 19.99 ug/l

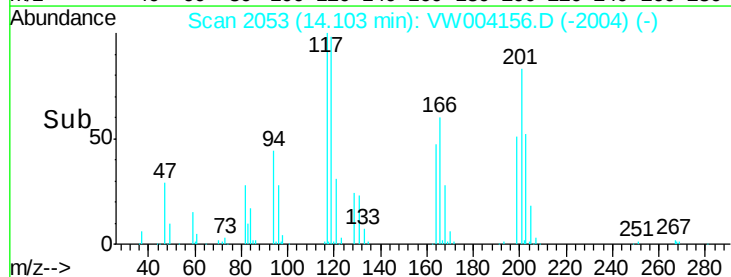
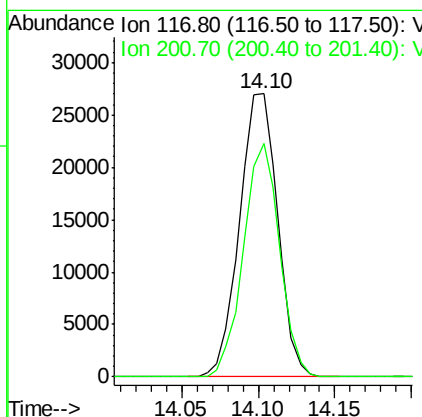
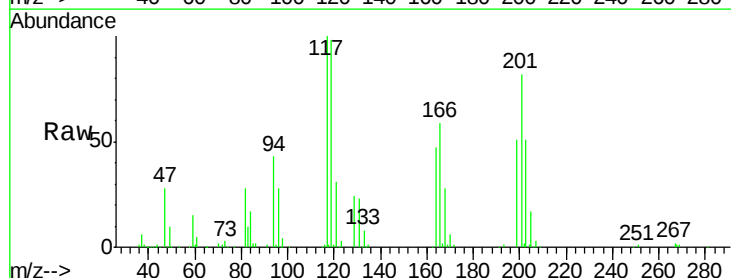
RT: 14.10 min Scan# 2053

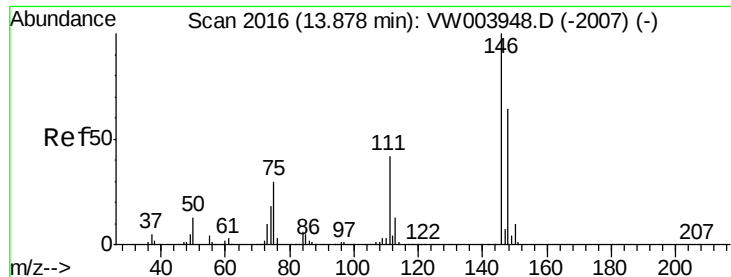
Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Tgt Ion:	117	Resp:	46861
Ion Ratio	Lower	Upper	
117	100		
201	78.3	40.3	120.9





#91

1,2-Dichlorobenzene

Concen: 21.34 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

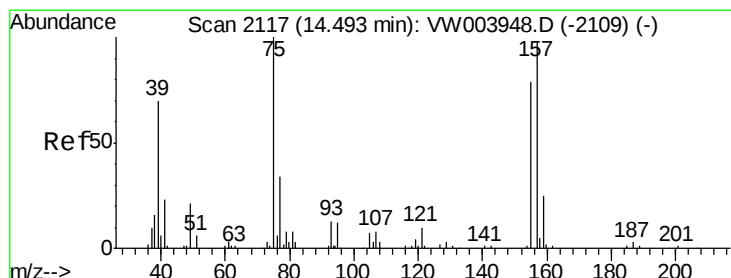
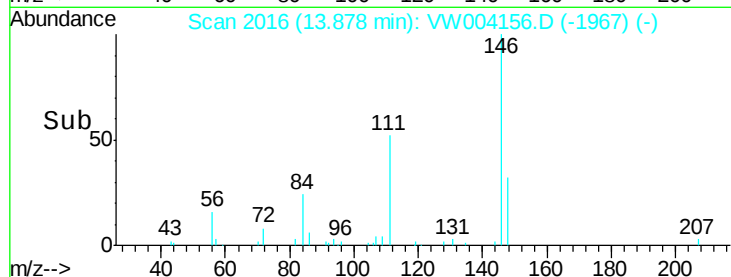
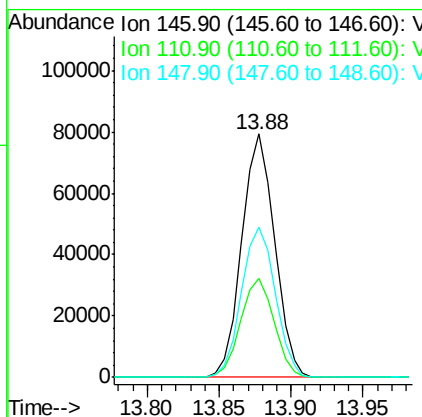
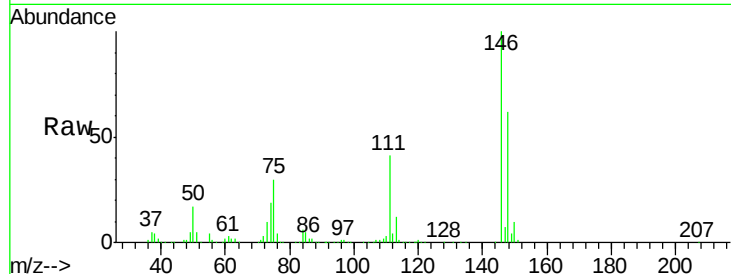
ClientSampleId :

VW0723SBS02

Tot Ion:	146	Resp:	125679
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.7	62.1
148	63.4	32.0	96.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.92 ug/l

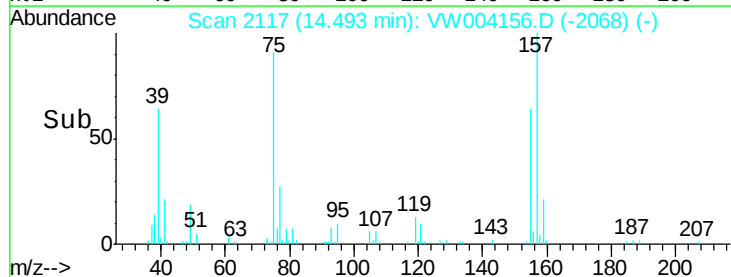
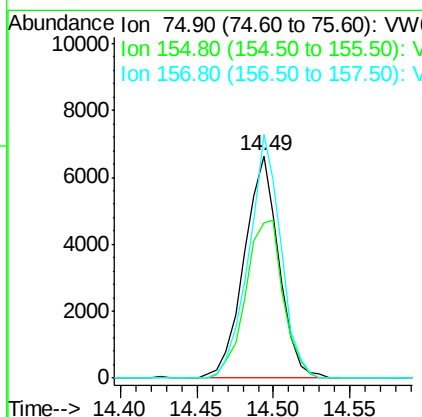
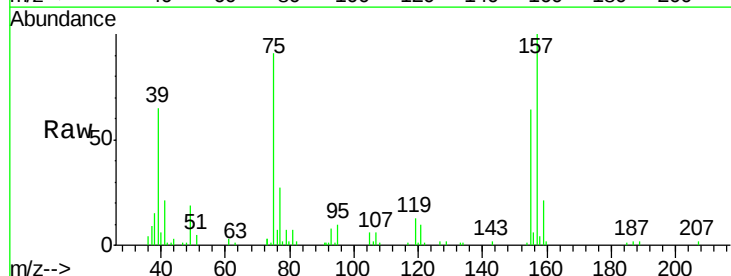
RT: 14.49 min Scan# 2117

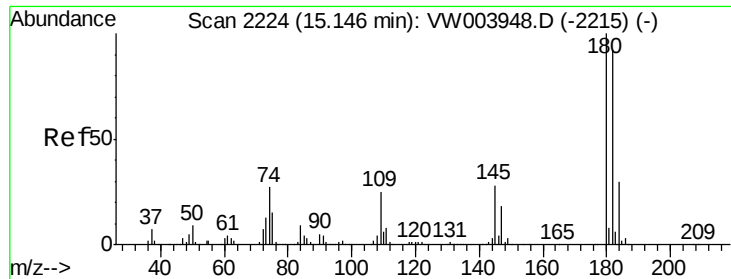
Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Tgt Ion:	75	Resp:	10425
Ion Ratio	Lower	Upper	
75	100		
155	77.3	39.4	118.1
157	101.5	51.8	155.4





#93

1,2,4-Trichlorobenzene

Concen: 20.13 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

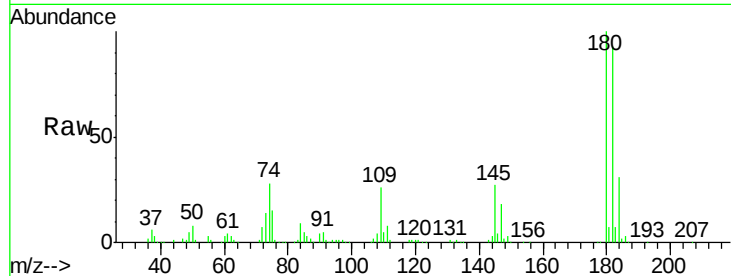
ClientSampleId :

VW0723SBS02

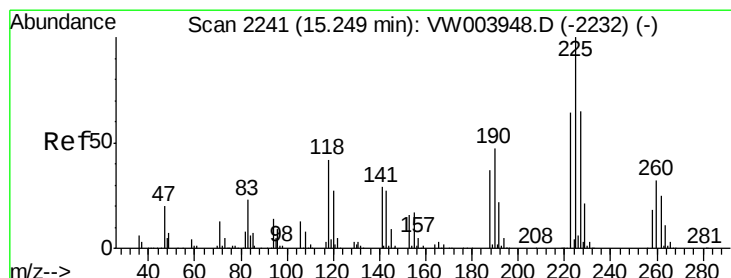
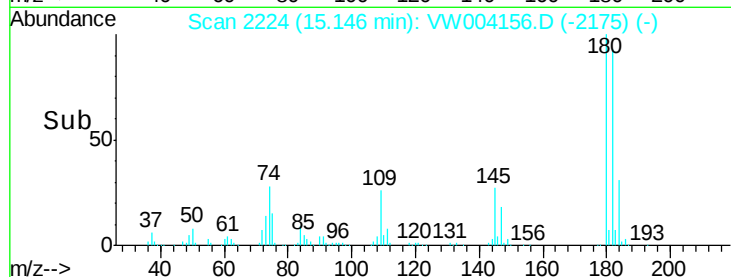
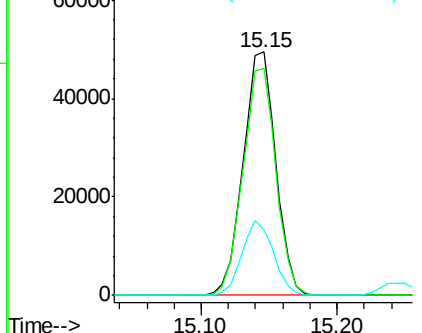
Tot Ion:	180	Resp:	83255
Ion Ratio	Lower	Upper	
180	100		
182	94.1	46.9	140.8
145	29.5	15.0	45.0

Manual Integrations
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7/24/2018 11:50:12 AM



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



#94

Hexachlorobutadiene

Concen: 19.98 ug/l

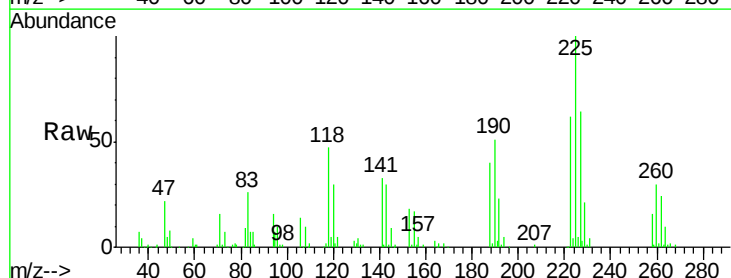
RT: 15.24 min Scan# 2240

Delta R.T. -0.01 min

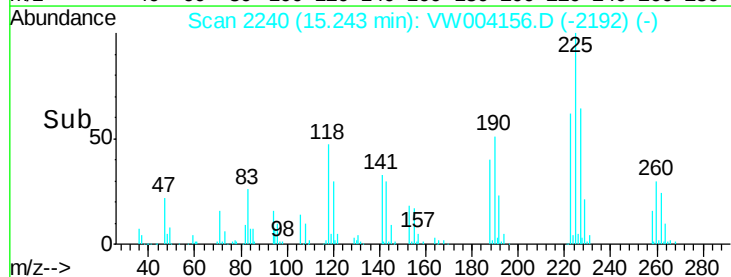
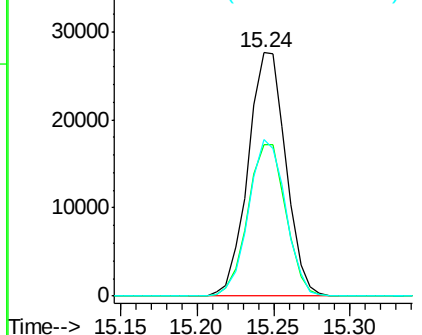
Lab File: VW004156.D

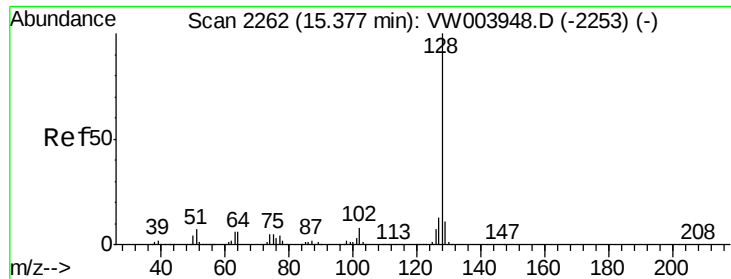
Acq: 24 Jul 2018 01:09

Tgt Ion:	225	Resp:	47464
Ion Ratio	Lower	Upper	
225	100		
223	62.8	32.0	96.2
227	62.9	32.3	96.9



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





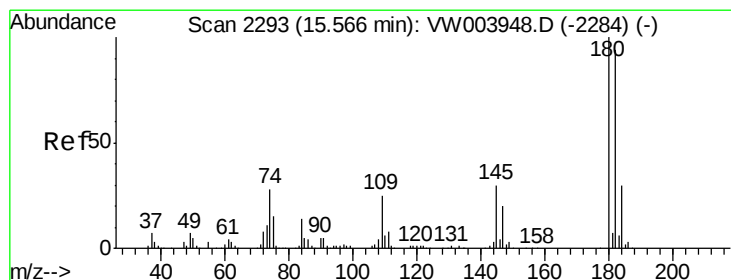
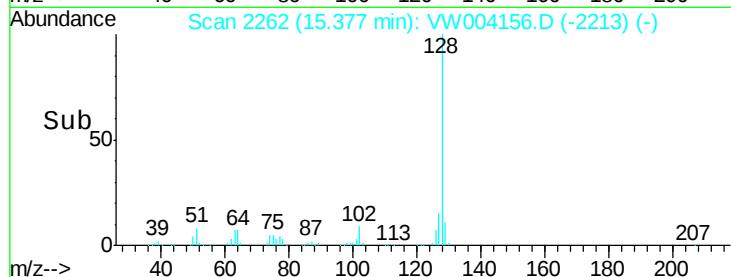
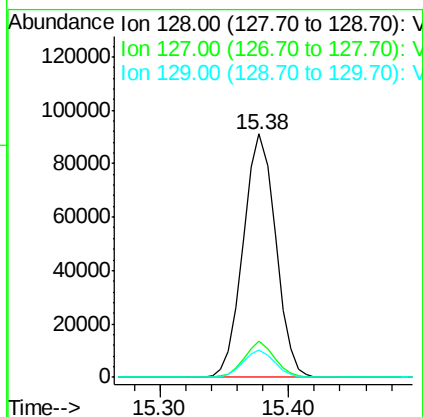
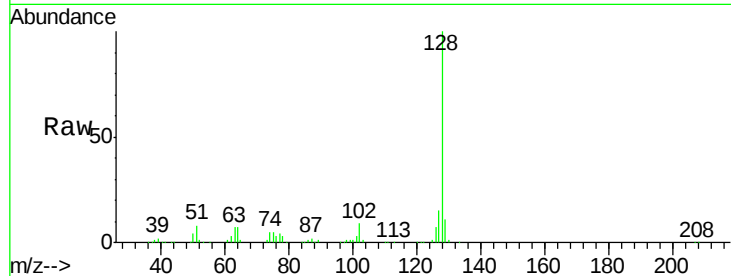
#95
Naphthalene
Concen: 20.83 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.7	16.1
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.07 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.5	142.6
145	31.6	15.8	47.4

