

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003945.D
 Acq On : 16 Jul 2018 11:57
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
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apatel
 7/17/2018 10:10:55 AM

Quant Time: Jul 16 14:33:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	289801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	213899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	15150	4.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.12%	
35) Dibromofluoromethane	7.88	113	14150	4.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.82%	
50) Toluene-d8	10.33	98	53900	4.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.78%	
62) 4-Bromofluorobenzene	12.62	95	19091	4.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	7739m	5.42	ug/l	
3) Chloromethane	2.21	50	10643	4.09	ug/l	96
4) Vinyl Chloride	2.36	62	14384	4.17	ug/l	99
5) Bromomethane	2.77	94	8817	3.70	ug/l	86
6) Chloroethane	2.91	64	8118	3.94	ug/l	97
7) Trichlorofluoromethane	3.25	101	7005	5.02	ug/l	89
8) Diethyl Ether	3.66	74	7056	4.79	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.04	101	15186	5.50	ug/l	98
10) Methyl Iodide	4.26	142	19761	4.82	ug/l	98
11) Tert butyl alcohol	5.18	59	4823m	23.20	ug/l	
12) 1,1-Dichloroethene	4.02	96	14270	5.25	ug/l	91
13) Acrolein	3.89	56	6450	25.37	ug/l	100
14) Allyl chloride	4.65	41	24241	5.19	ug/l	99
15) Acrylonitrile	5.37	53	17008	23.60	ug/l	99
16) Acetone	4.12	43	23473	35.43	ug/l	97
17) Carbon Disulfide	4.36	76	42411	4.77	ug/l	98
18) Methyl Acetate	4.67	43	9291	5.14	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	24183	4.38	ug/l	96
20) Methylene Chloride	4.91	84	47984	12.74	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	15479	4.85	ug/l	89
22) Diisopropyl ether	6.31	45	42806	4.21	ug/l	94
23) Vinyl Acetate	6.25	43	120394	19.28	ug/l	98
24) 1,1-Dichloroethane	6.20	63	28140	4.53	ug/l	99
25) 2-Butanone	7.17	43	23249	22.86	ug/l	98
26) 2,2-Dichloropropane	7.17	77	18246	5.39	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	16138	4.58	ug/l	97
28) Bromochloromethane	7.51	49	12863	4.71	ug/l	99
29) Tetrahydrofuran	7.54	42	13436	20.63	ug/l	98
30) Chloroform	7.67	83	28384	4.51	ug/l	99
31) Cyclohexane	7.95	56	30276	5.50	ug/l	# 83
32) 1,1,1-Trichloroethane	7.87	97	22601	4.70	ug/l	99
36) 1,1-Dichloropropene	8.08	75	22966	4.73	ug/l	100
37) Ethyl Acetate	7.25	43	10003	4.26	ug/l	98
38) Carbon Tetrachloride	8.07	117	21824	4.74	ug/l	97

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	25074	4.67	ug/l	92
40) Benzene	8.32	78	64017	4.64	ug/l	99
41) Methacrylonitrile	7.49	41	4902	3.70	ug/l	97
42) 1,2-Dichloroethane	8.40	62	18613	4.20	ug/l	99
43) Isopropyl Acetate	8.43	43	17617	3.98	ug/l	97
44) Trichloroethene	9.09	130	16669	4.77	ug/l	92
45) 1,2-Dichloropropane	9.37	63	15570	4.35	ug/l	97
46) Dibromomethane	9.46	93	7753	4.13	ug/l	97
47) Bromodichloromethane	9.65	83	19843	4.29	ug/l	98
48) Methyl methacrylate	9.44	41	8253	3.92	ug/l	94
49) 1,4-Dioxane	9.45	88	2317	82.27	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	46954	20.54	ug/l	96
52) Toluene	10.39	92	38514	4.51	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	19717	4.26	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	23304	4.45	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	11726	4.50	ug/l	97
56) Ethyl methacrylate	10.65	69	12195	3.83	ug/l	96
57) 1,3-Dichloropropane	10.93	76	19431	4.28	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	27743	18.84	ug/l	98
59) 2-Hexanone	10.98	43	31784	20.24	ug/l	96
60) Dibromochloromethane	11.13	129	12910	4.25	ug/l	97
61) 1,2-Dibromoethane	11.24	107	10091	4.06	ug/l	93
64) Tetrachloroethene	10.87	164	14388	4.79	ug/l	97
65) Chlorobenzene	11.66	112	44599	4.94	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	14428	4.56	ug/l	97
67) Ethyl Benzene	11.74	91	72270	4.67	ug/l	98
68) m/p-Xylenes	11.84	106	55588	9.39	ug/l	99
69) o-Xylene	12.17	106	25297	4.63	ug/l	100
70) Styrene	12.19	104	40633	4.39	ug/l	100
71) Bromoform	12.35	173	7652	4.39	ug/l #	98
73) Isopropylbenzene	12.47	105	71003	4.91	ug/l	100
74) N-amyl acetate	12.28	43	15690	4.03	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	13580	4.66	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	9518m	3.93	ug/l	
77) Bromobenzene	12.75	156	17733	4.95	ug/l	96
78) n-propylbenzene	12.81	91	87612	4.83	ug/l	100
79) 2-Chlorotoluene	12.90	91	50462	4.86	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	59604	4.79	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4095	4.74	ug/l	94
82) 4-Chlorotoluene	12.99	91	55649	4.99	ug/l	99
83) tert-Butylbenzene	13.21	119	49792	4.84	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	61111	4.73	ug/l	100
85) sec-Butylbenzene	13.39	105	75604	4.91	ug/l	99
86) p-Isopropyltoluene	13.51	119	64784	4.82	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	36377	5.02	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	37849	5.21	ug/l	95
89) n-Butylbenzene	13.83	91	66307	5.01	ug/l	97
90) Hexachloroethane	14.10	117	13012	5.04	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	32388	4.98	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2458	4.89	ug/l	99

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Misc : 5.00G/5ML/MSVOA W/SOIL
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MSVOA_W
ClientSampleId :
VSTDICC005

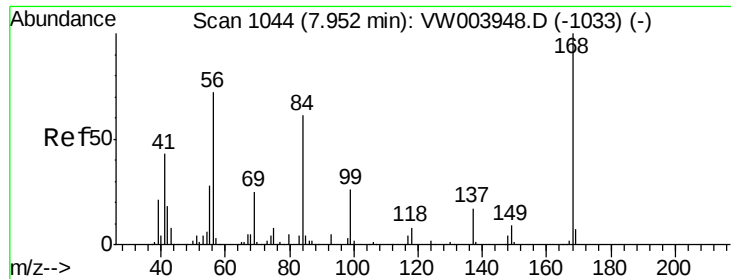
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 14:03:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	21645	4.89	ug/l	99
94) Hexachlorobutadiene	15.25	225	13654	5.38	ug/l	97
95) Naphthalene	15.38	128	34455	4.38	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	19486	4.94	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 289801

Ion Ratio Lower Upper

168 100

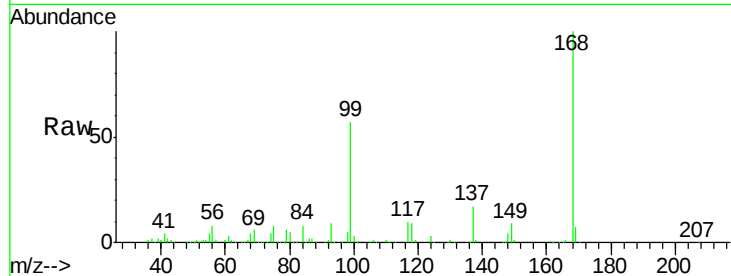
99 56.9 43.8 65.6

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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

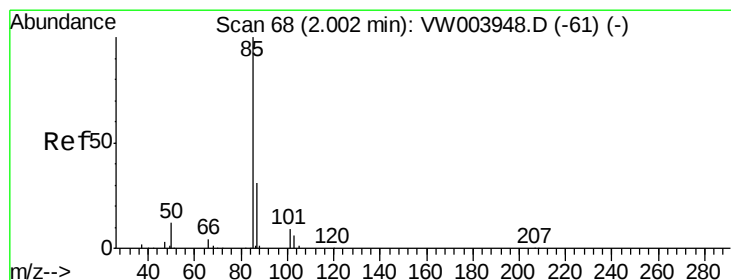
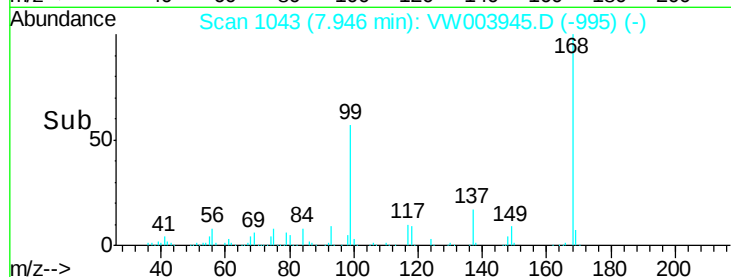
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 5.42 ug/l m

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003945.D

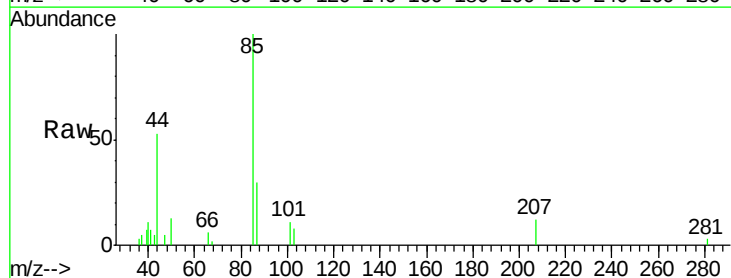
Acq: 16 Jul 2018 11:57

Tgt Ion: 85 Resp: 7739

Ion Ratio Lower Upper

85 100

87 29.6 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

3000

2500

2000

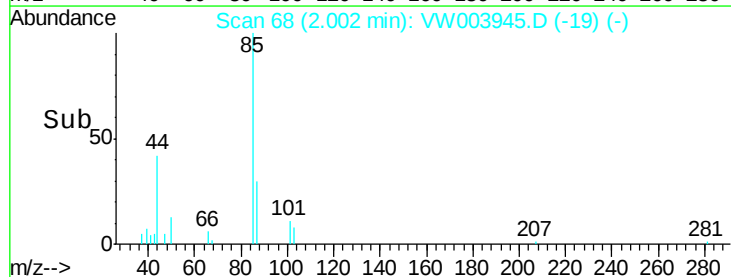
1500

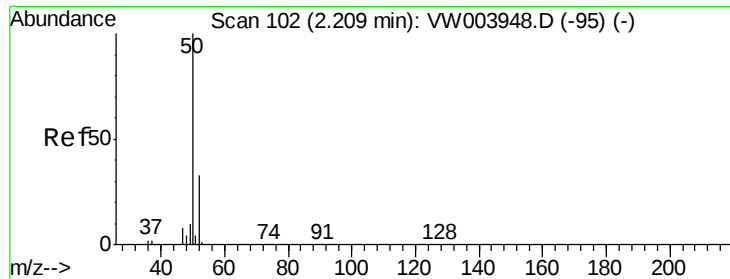
1000

500

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 4.09 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10643

Ion Ratio Lower Upper

50 100

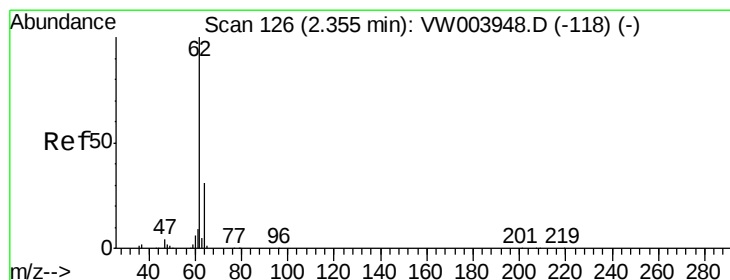
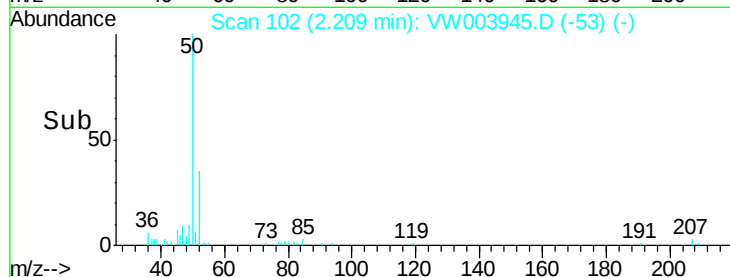
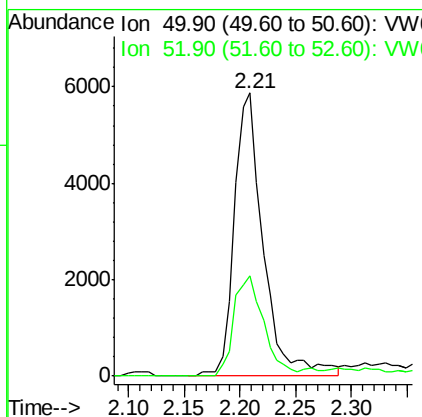
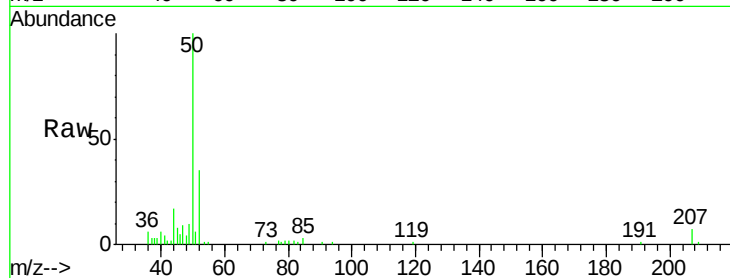
52 35.3 26.3 39.5

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#4

Vinyl Chloride

Concen: 4.17 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003945.D

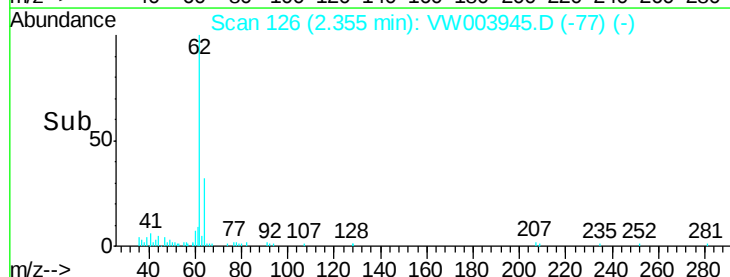
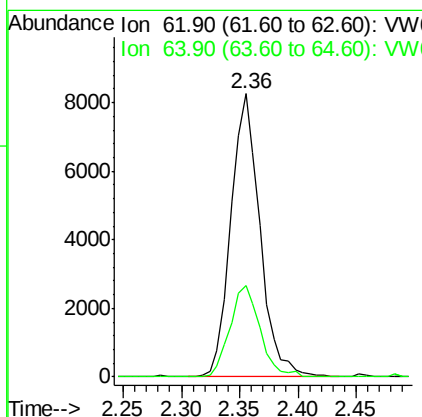
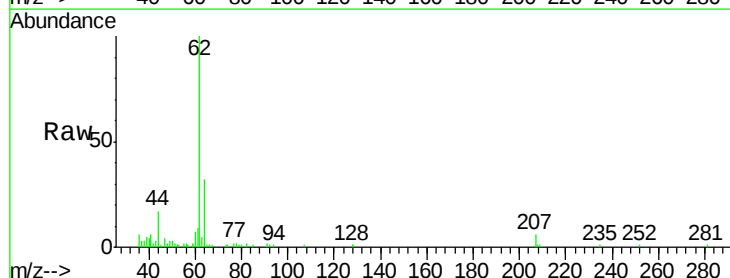
Acq: 16 Jul 2018 11:57

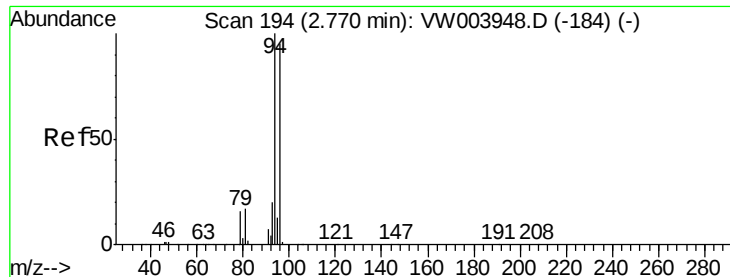
Tgt Ion: 62 Resp: 14384

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.6





#5

Bromomethane

Concen: 3.70 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8817

Ion Ratio Lower Upper

94 100

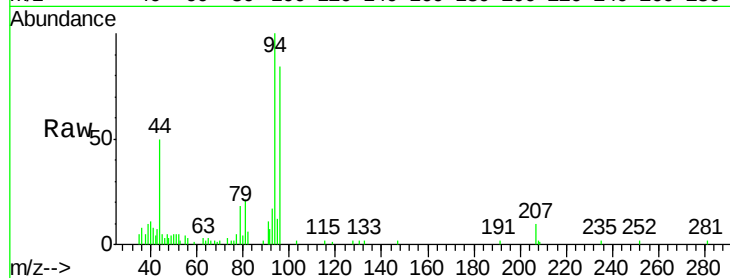
96 81.5 75.8 113.6

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

4000

3000

2000

1000

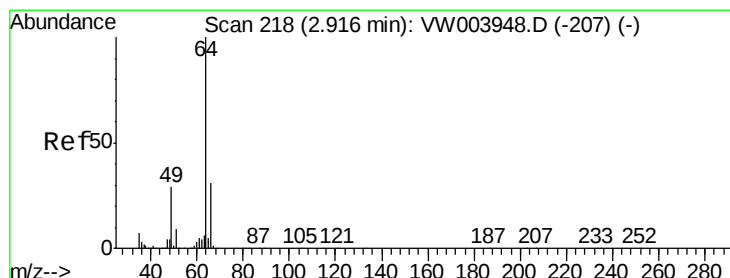
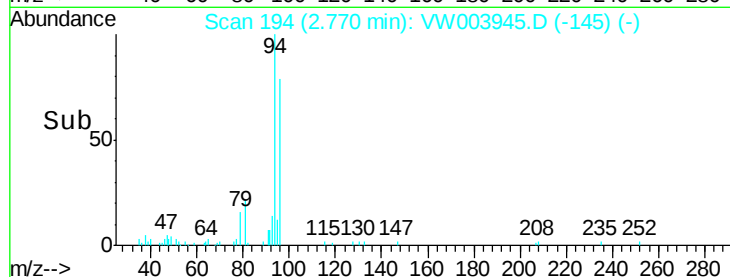
0

Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 3.94 ug/l

RT: 2.91 min Scan# 217

Delta R.T. -0.01 min

Lab File: VW003945.D

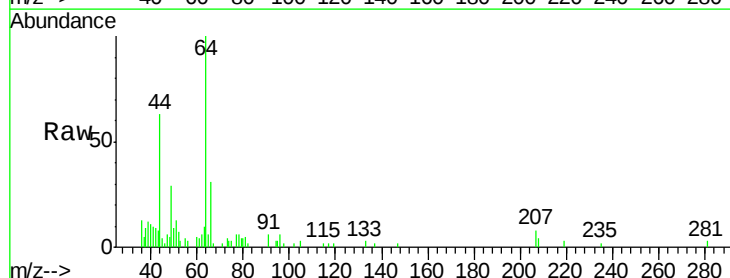
Acq: 16 Jul 2018 11:57

Tgt Ion: 64 Resp: 8118

Ion Ratio Lower Upper

64 100

66 28.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.91

3000

2500

2000

1500

1000

500

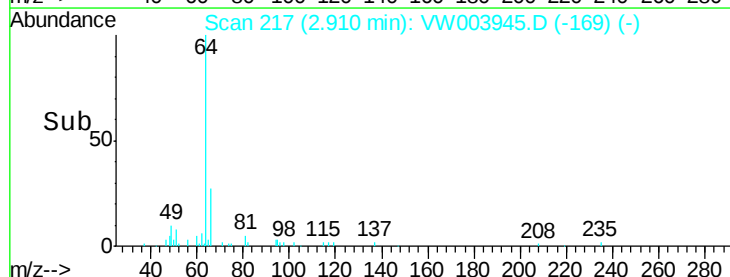
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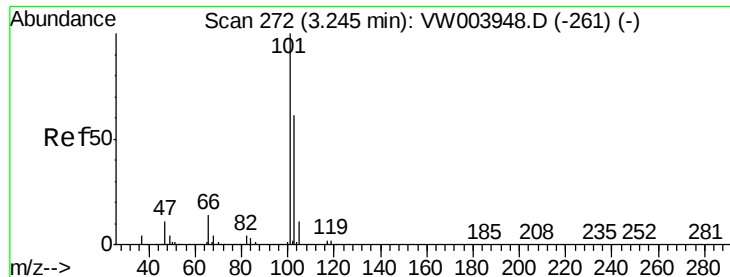
Time-->

2.80

2.90

3.00





#7

Trichlorofluoromethane

Concen: 5.02 ug/l

RT: 3.25 min Scan# 272

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

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MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 7005

Ion Ratio Lower Upper

101 100

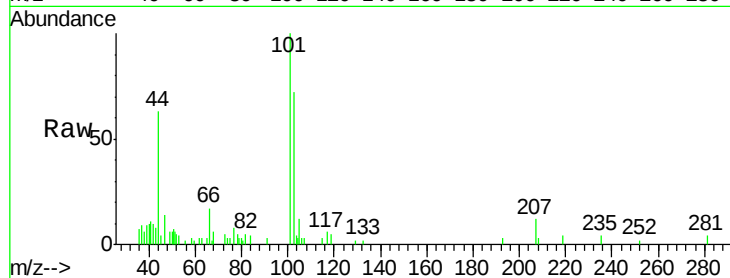
103 69.4 49.0 73.6

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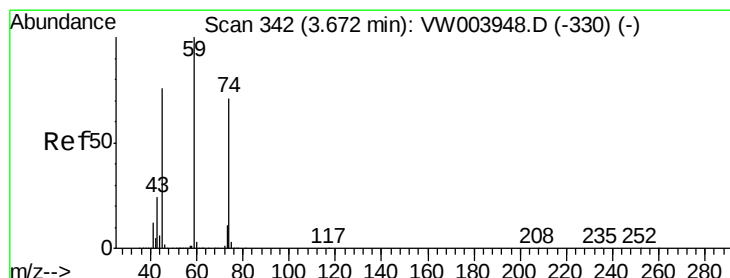
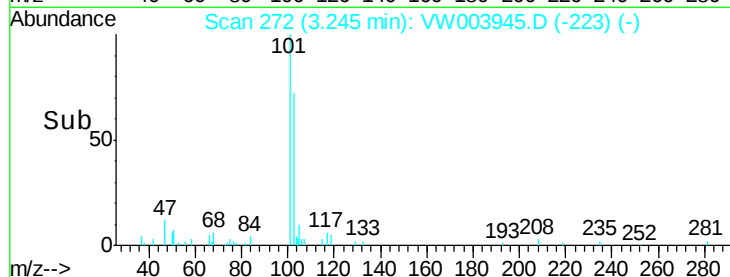
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.25

3.20 3.30

Time-->



#8

Diethyl Ether

Concen: 4.79 ug/l

RT: 3.66 min Scan# 340

Delta R.T. -0.01 min

Lab File: VW003945.D

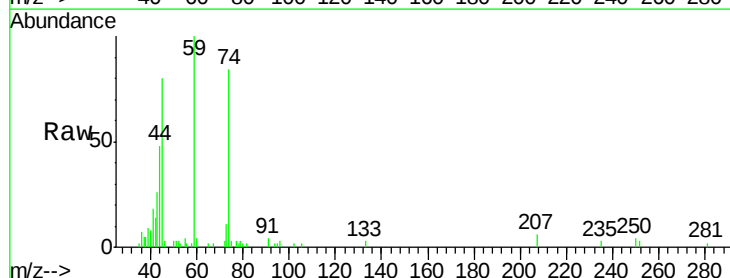
Acq: 16 Jul 2018 11:57

Tgt Ion: 74 Resp: 7056

Ion Ratio Lower Upper

74 100

45 116.2 53.8 161.4



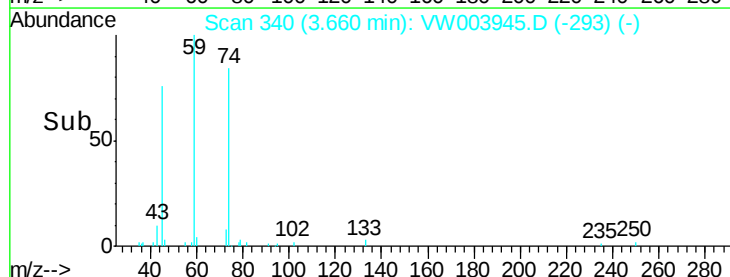
Abundance Ion 74.00 (73.70 to 74.70): VW

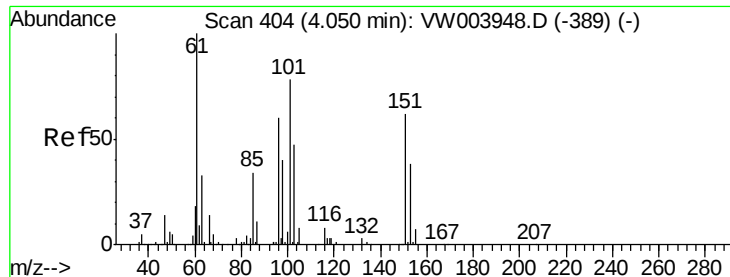
Ion 45.00 (44.70 to 45.70): VW

3.66

3.60 3.75

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.50 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

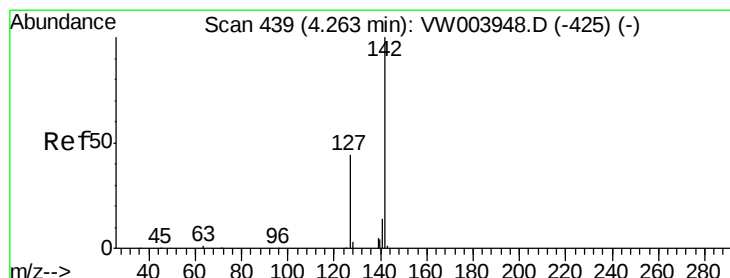
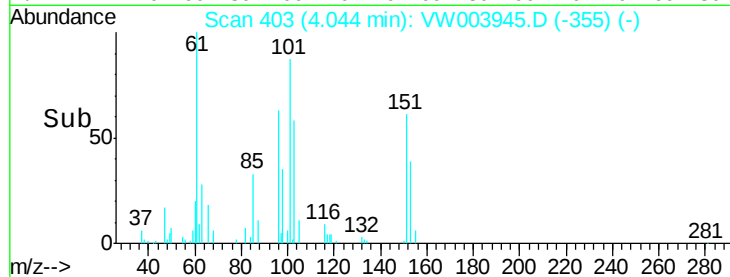
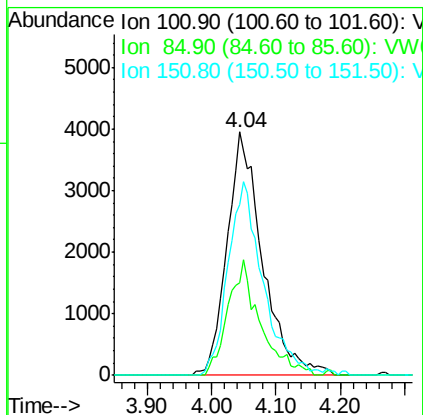
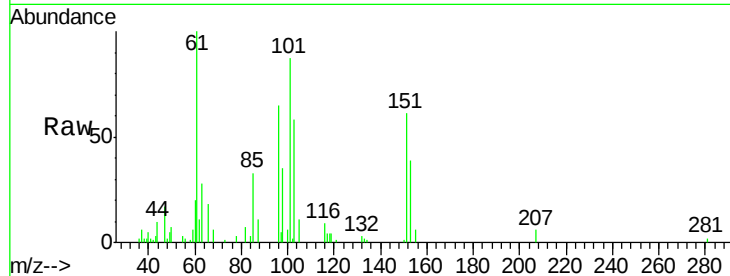
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	15186
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.8	53.6
151	78.3	63.6	95.4

Manual Integrations
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#10

Methyl Iodide

Concen: 4.82 ug/l

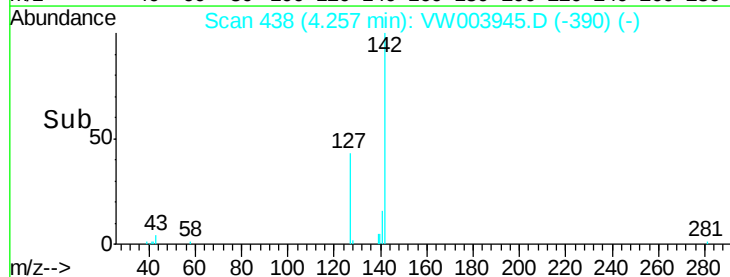
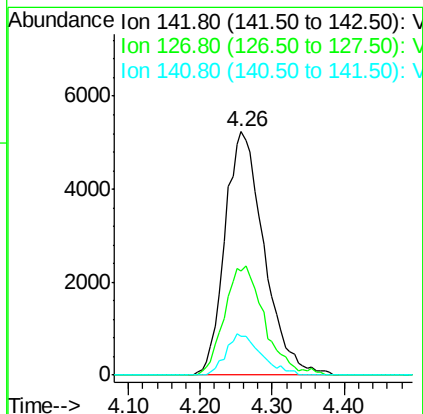
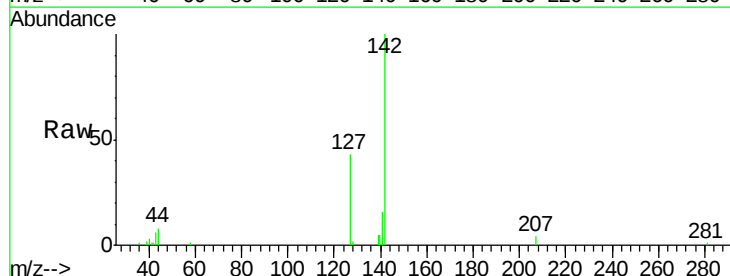
RT: 4.26 min Scan# 438

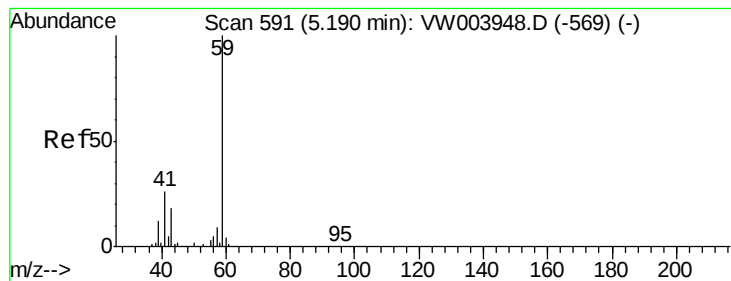
Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Tgt Ion:	142	Resp:	19761
Ion Ratio	Lower	Upper	
142	100		
127	45.7	35.4	53.2
141	15.1	11.7	17.5





#11

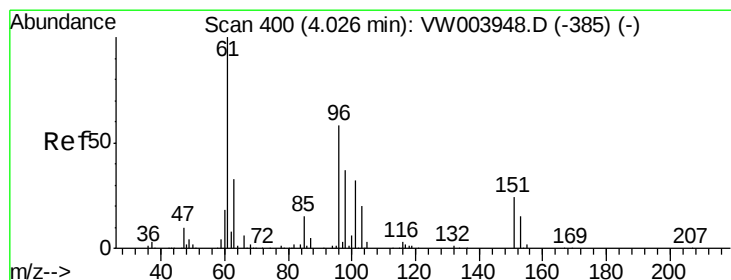
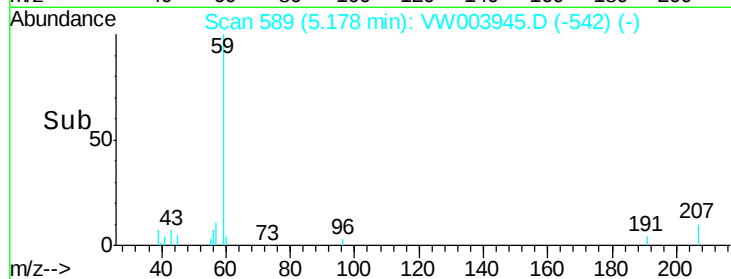
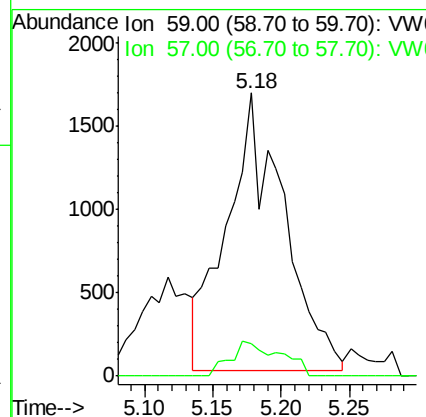
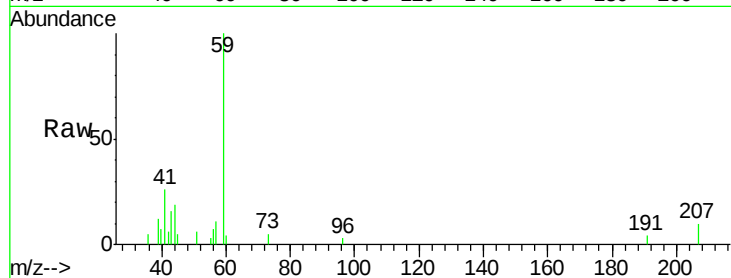
Tert butyl alcohol
 Concen: 23.20 ug/l m
 RT: 5.18 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 4823
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.5 12.7

Manual Integrations
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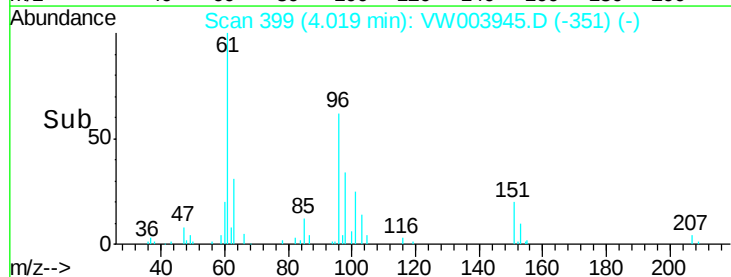
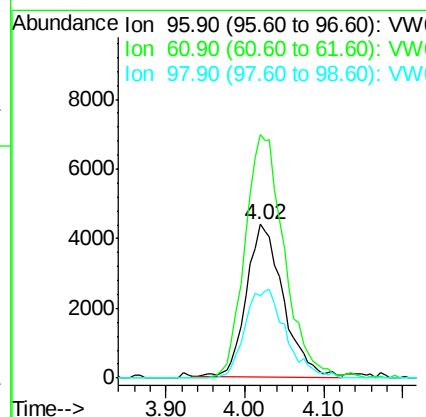
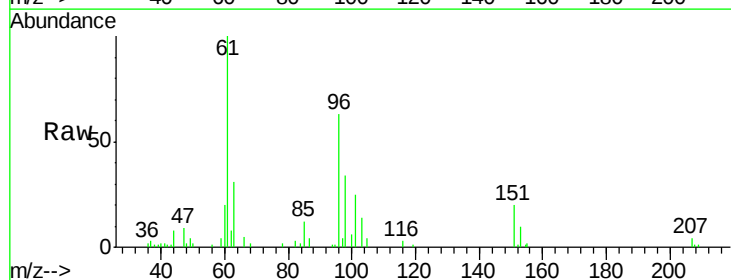
apatel
 7/17/2018 10:10:55 AM

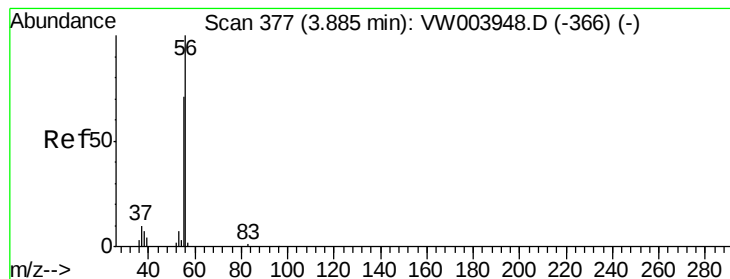


#12

1,1-Dichloroethene
 Concen: 5.25 ug/l
 RT: 4.02 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion: 96 Resp: 14270
 Ion Ratio Lower Upper
 96 100
 61 160.3 137.0 205.6
 98 53.8 50.2 75.4





#13

Acrolein

Concen: 25.37 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 6450

Ion Ratio Lower Upper

56 100

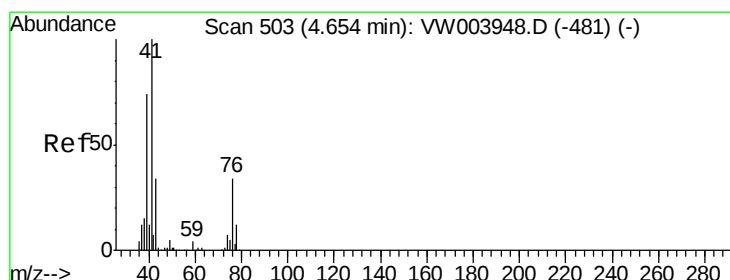
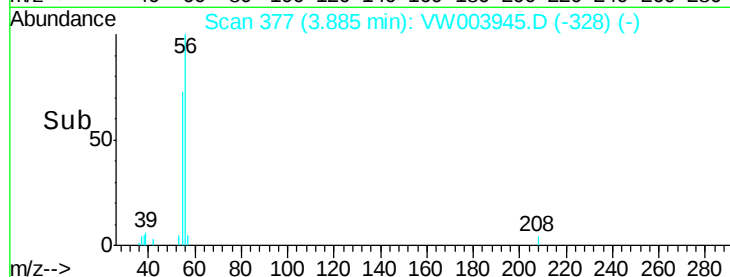
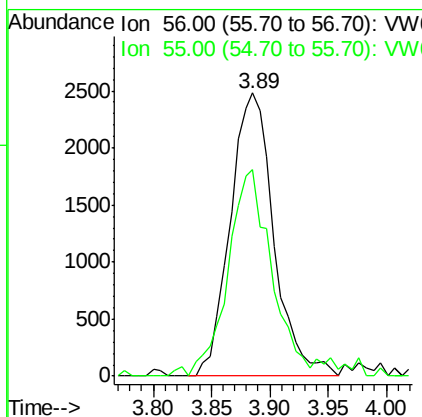
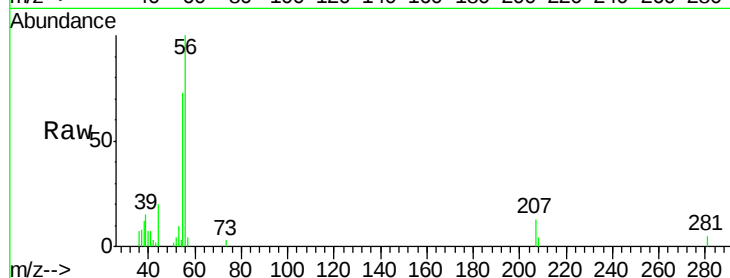
55 72.9 58.2 87.4

Manual Integrations

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#14

Allyl chloride

Concen: 5.19 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

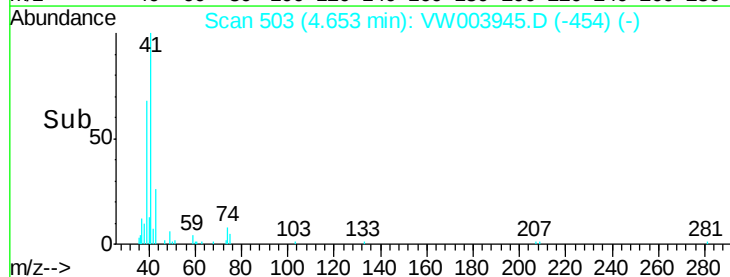
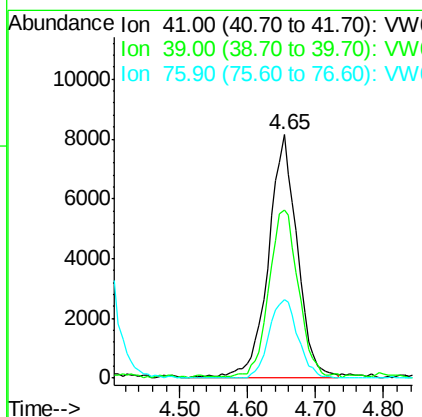
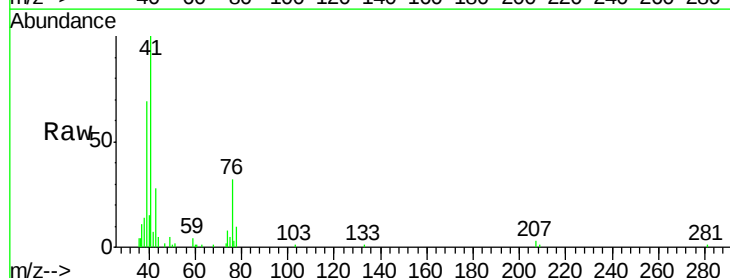
Tgt Ion: 41 Resp: 24241

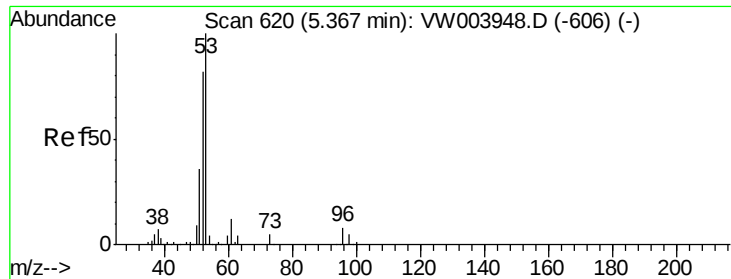
Ion Ratio Lower Upper

41 100

39 70.6 57.0 85.4

76 32.1 26.5 39.7





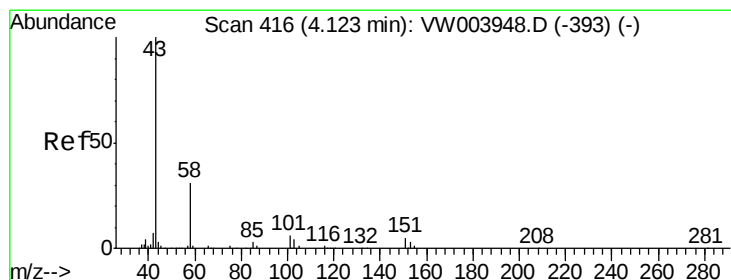
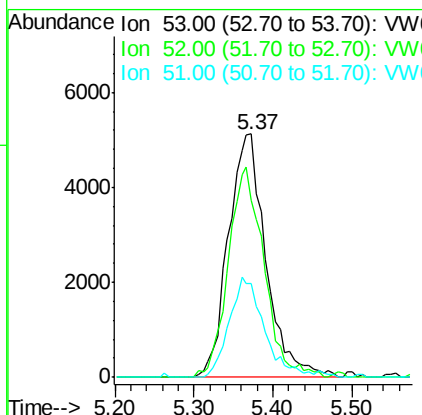
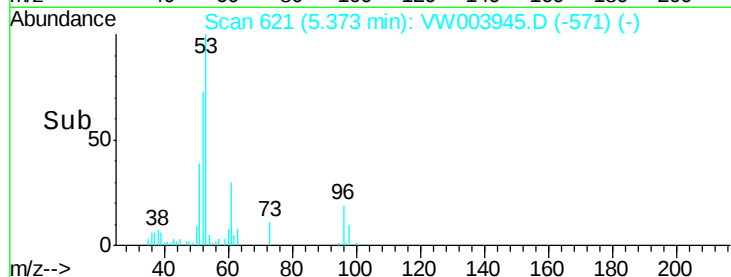
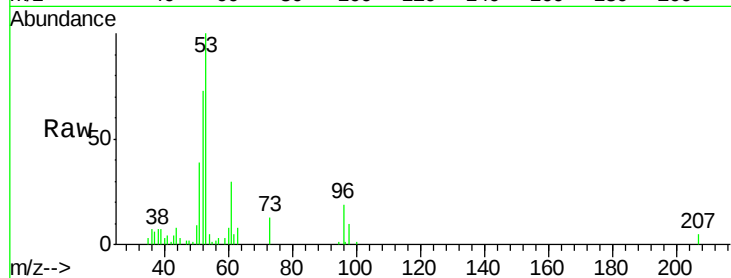
#15
Acrylonitrile
Concen: 23.60 ug/l
RT: 5.37 min Scan# 621
Delta R.T. 0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.1	99.1
51	38.3	29.8	44.6

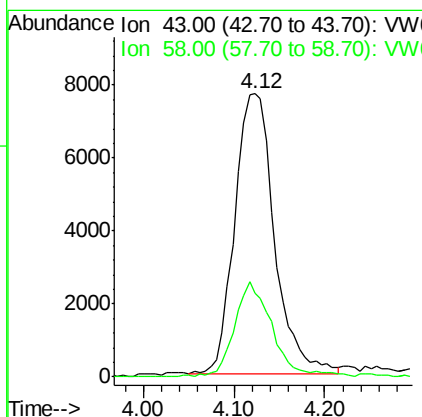
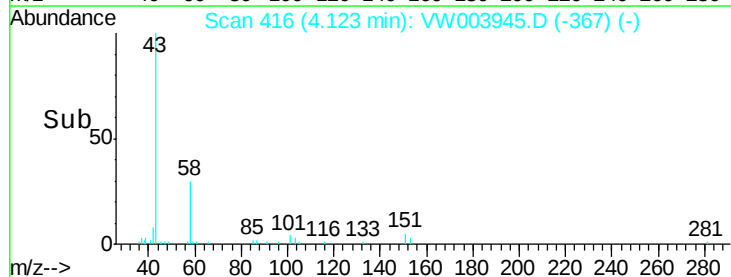
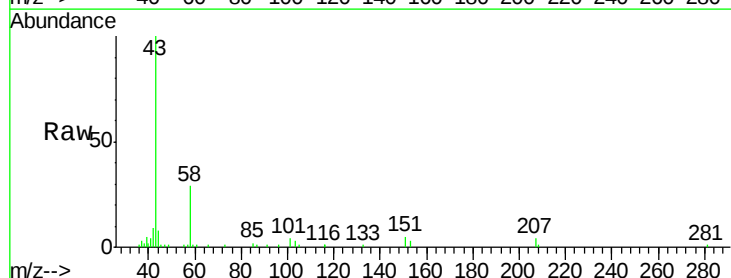
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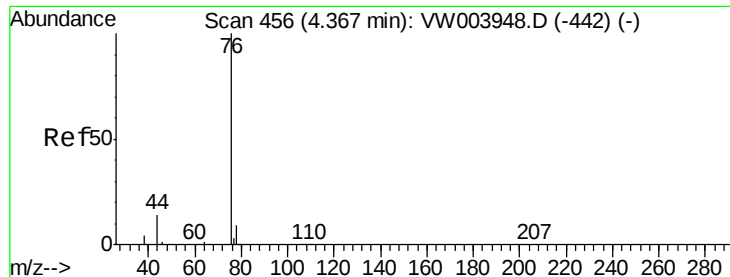
apatel
7/17/2018 10:10:55 AM



#16
Acetone
Concen: 35.43 ug/l
RT: 4.12 min Scan# 416
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.5	36.7





#17

Carbon Disulfide

Concen: 4.77 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 42411

Ion Ratio Lower Upper

76 100

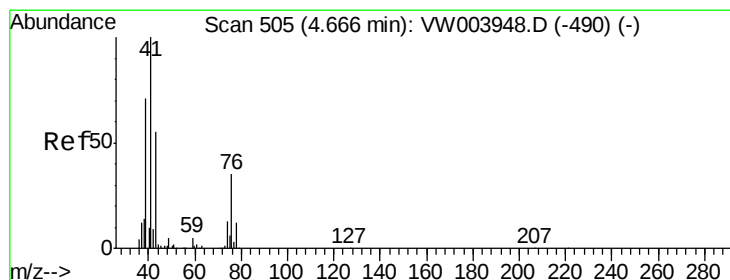
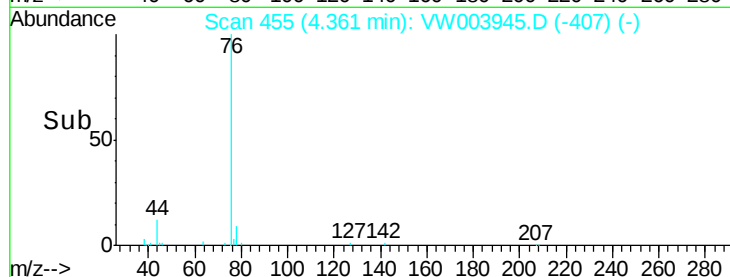
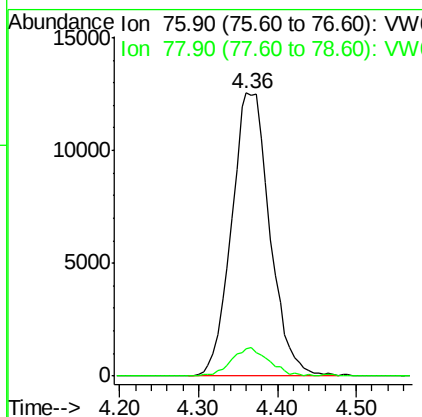
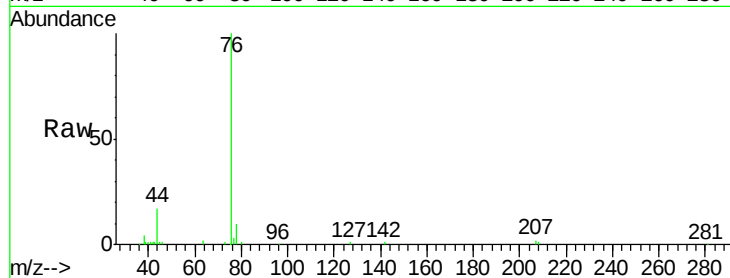
78 9.8 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 5.14 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW003945.D

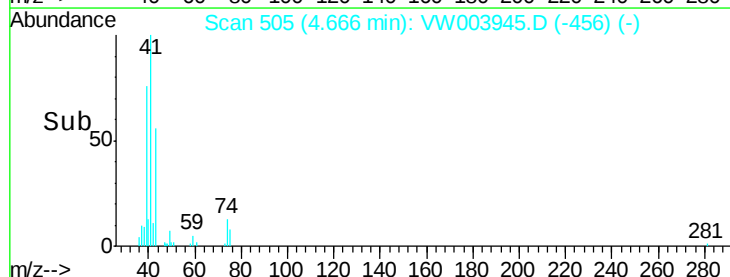
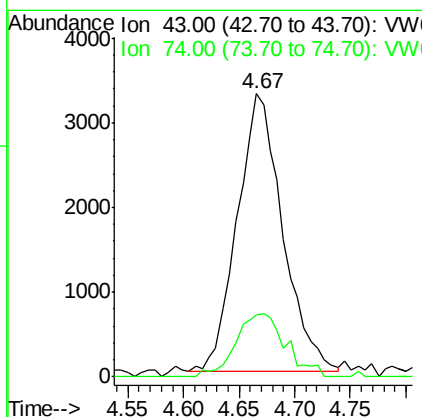
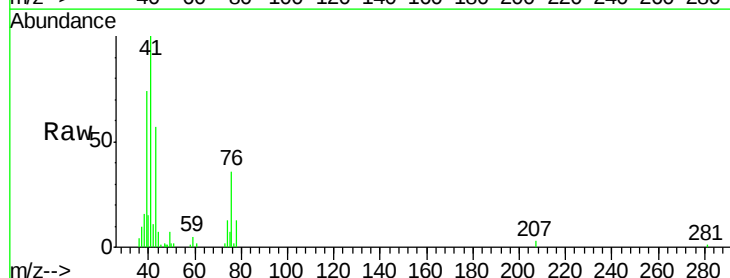
Acq: 16 Jul 2018 11:57

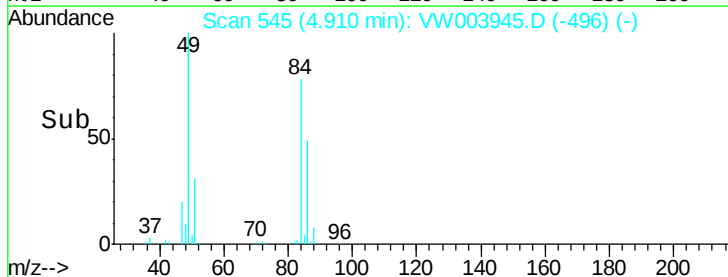
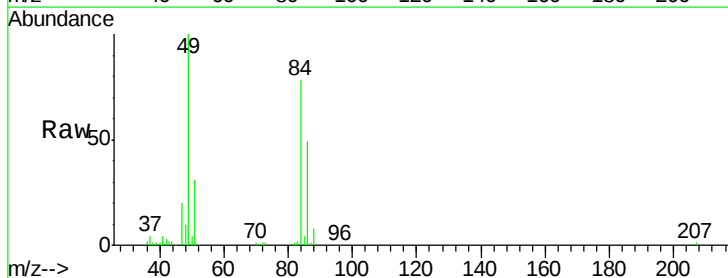
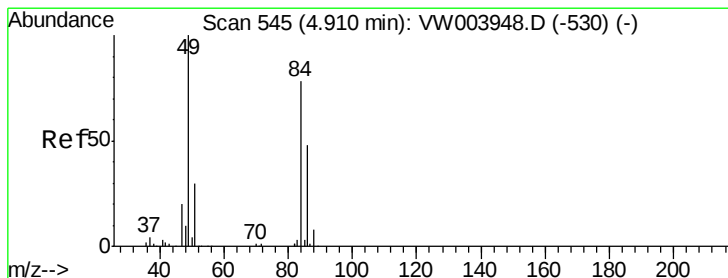
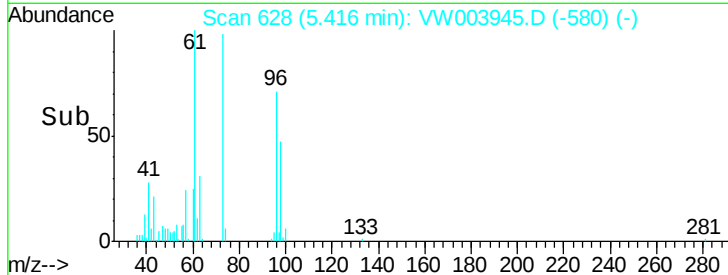
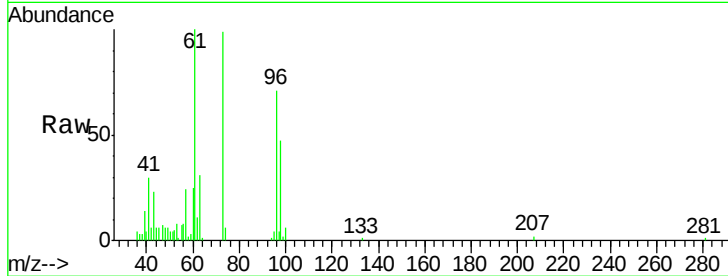
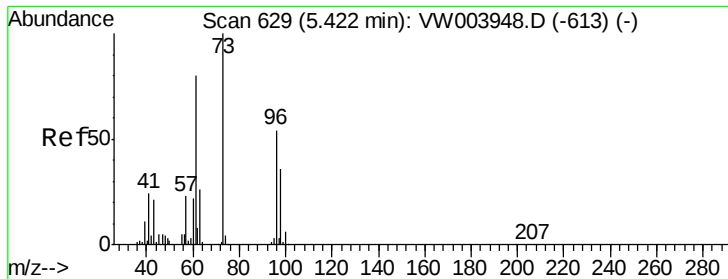
Tgt Ion: 43 Resp: 9291

Ion Ratio Lower Upper

43 100

74 25.0 17.7 26.5





#19

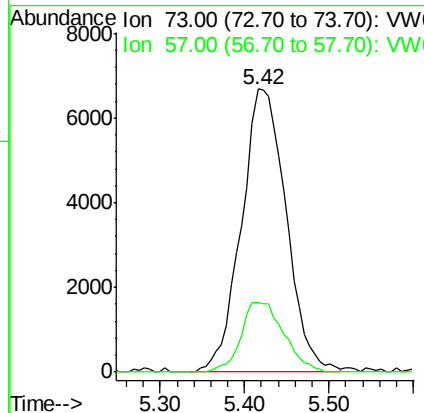
Methyl tert-butyl Ether
Concen: 4.38 ug/l
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.6	18.2	27.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

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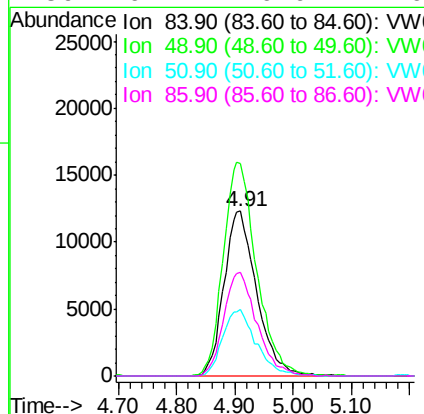
apatel
7/17/2018 10:10:55 AM

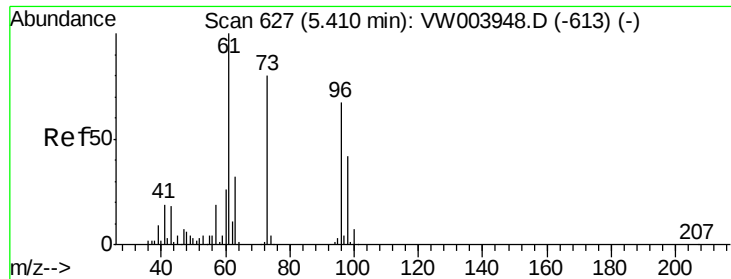


#20

Methylene Chloride
Concen: 12.74 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.7	102.9	154.3
51	40.5	30.9	46.3
86	62.7	49.9	74.9





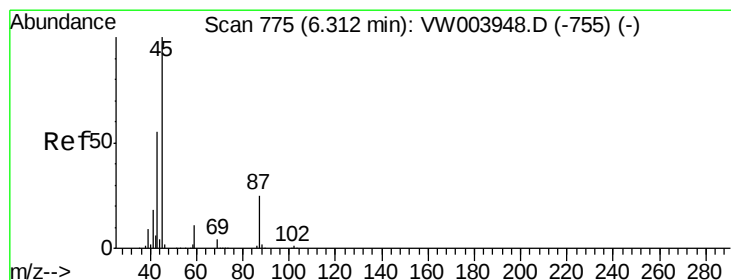
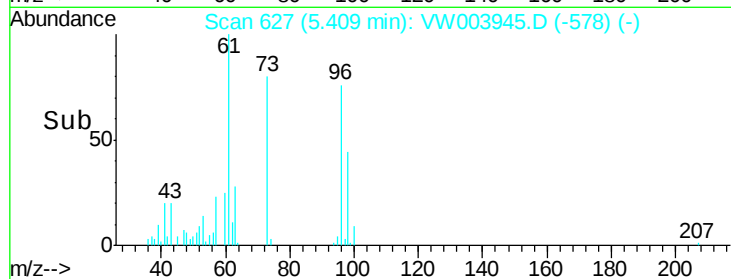
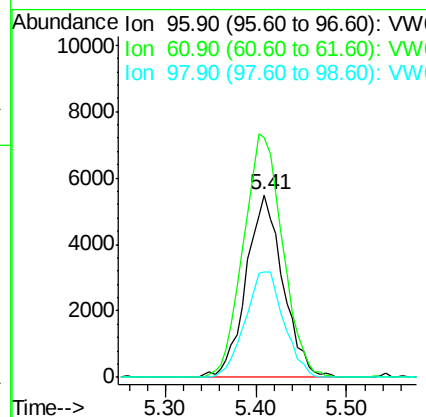
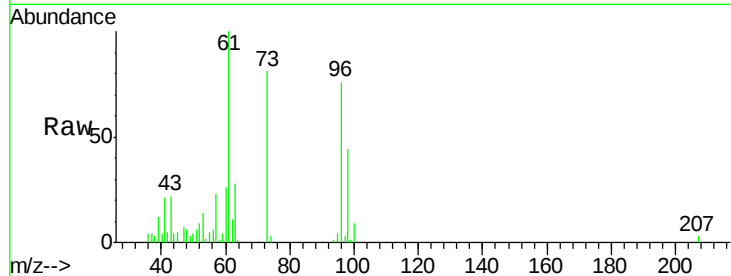
#21
trans-1,2-Dichloroethene
Concen: 4.85 ug/l
RT: 5.41 min Scan# 627
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.4	119.0	178.4
98	57.8	49.9	74.9

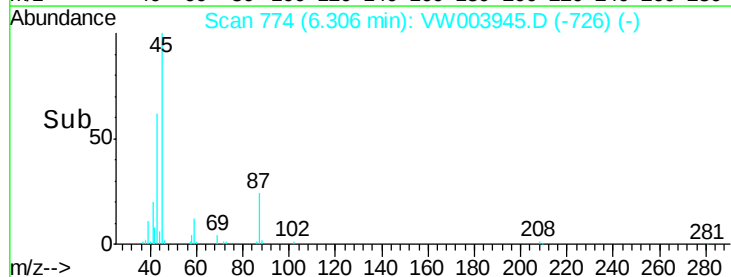
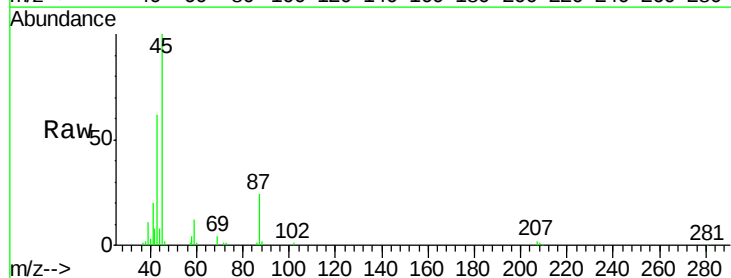
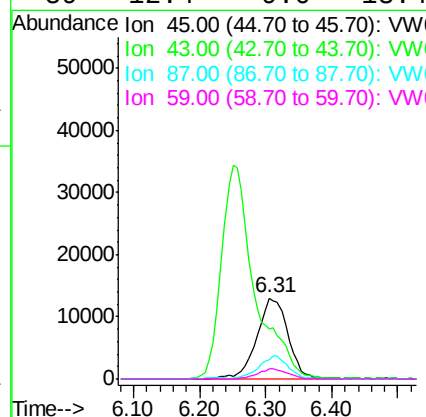
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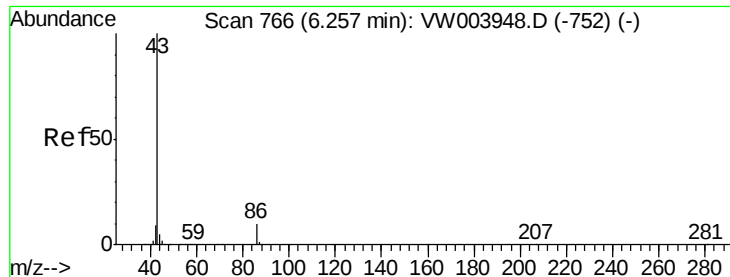
apatel
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#22
Diisopropyl ether
Concen: 4.21 ug/l
RT: 6.31 min Scan# 774
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	44.3	66.5
87	24.1	20.2	30.4
59	12.4	9.0	13.4





#23

Vinyl Acetate

Concen: 19.28 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 120394

Ion Ratio Lower Upper

43 100

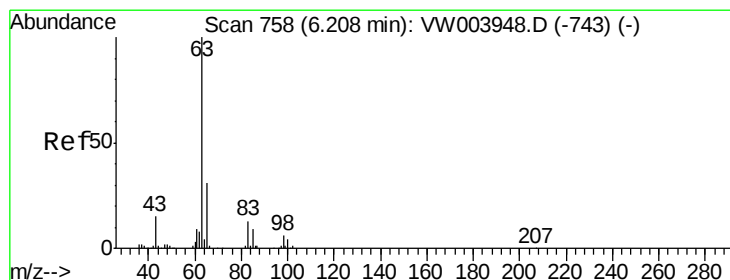
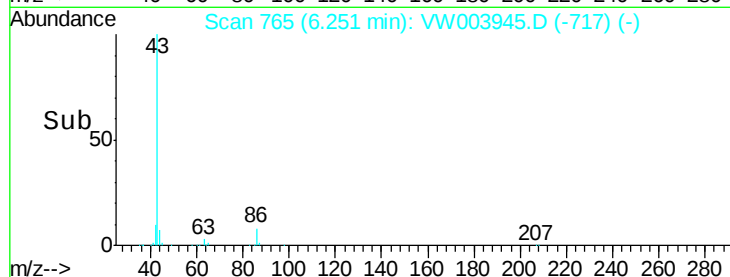
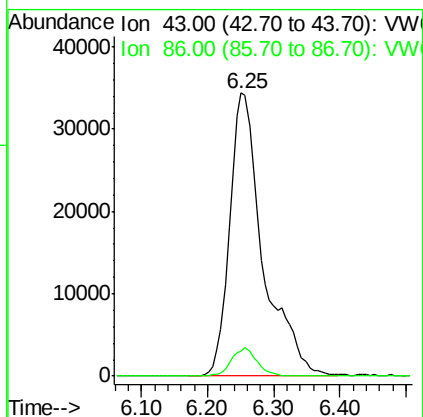
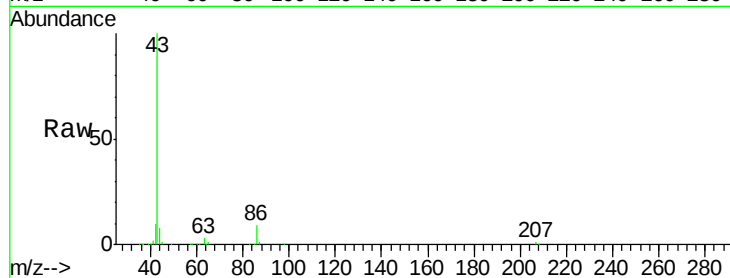
86 8.7 7.6 11.4

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#24

1,1-Dichloroethane

Concen: 4.53 ug/l

RT: 6.20 min Scan# 757

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

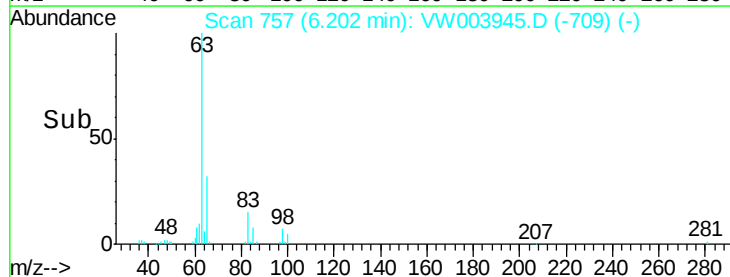
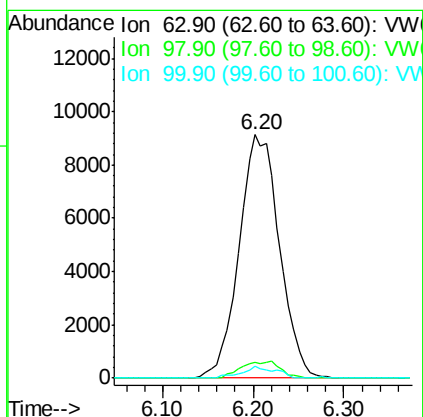
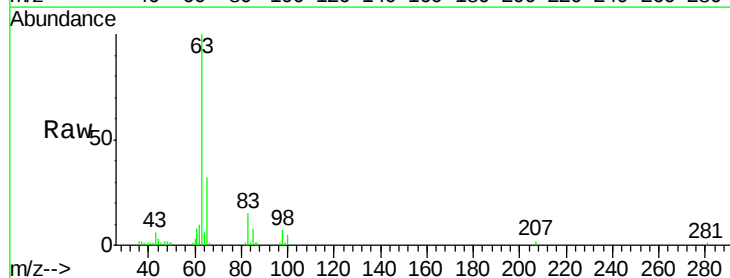
Tgt Ion: 63 Resp: 28140

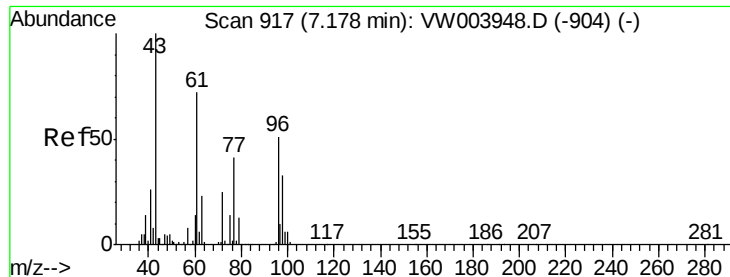
Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.9 2.1 6.5





#25

2-Butanone

Concen: 22.86 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 23249

Ion Ratio Lower Upper

43 100

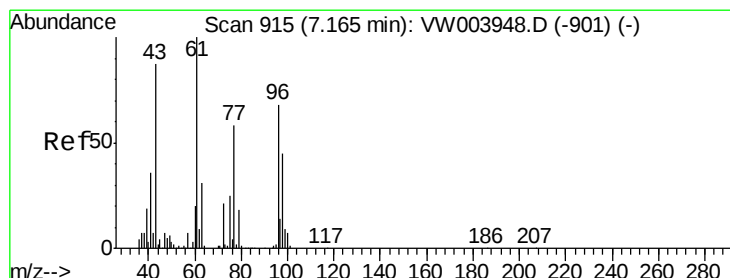
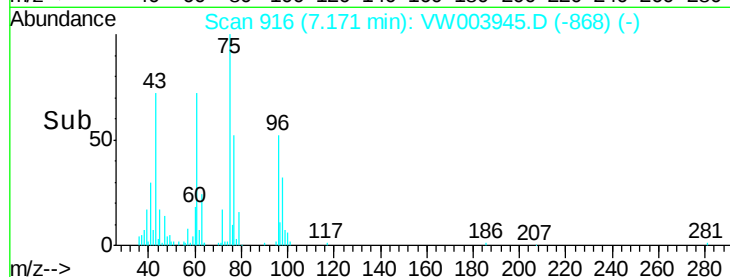
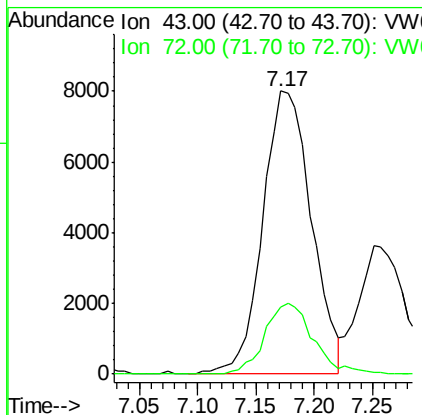
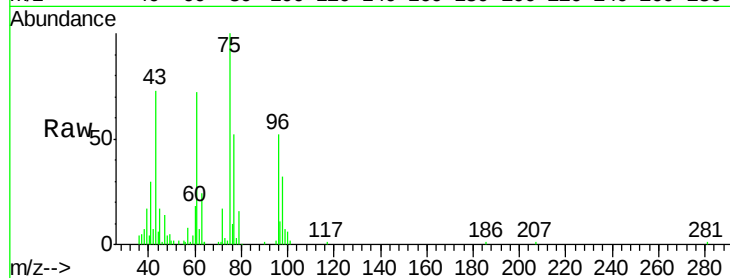
72 23.7 19.8 29.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.39 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003945.D

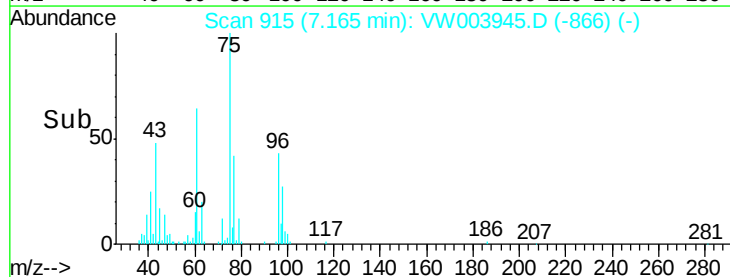
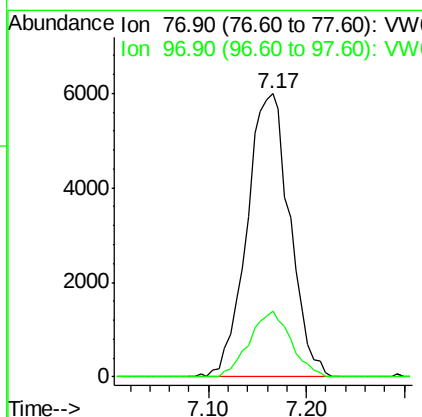
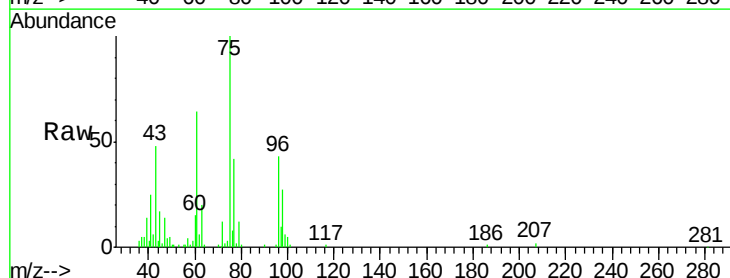
Acq: 16 Jul 2018 11:57

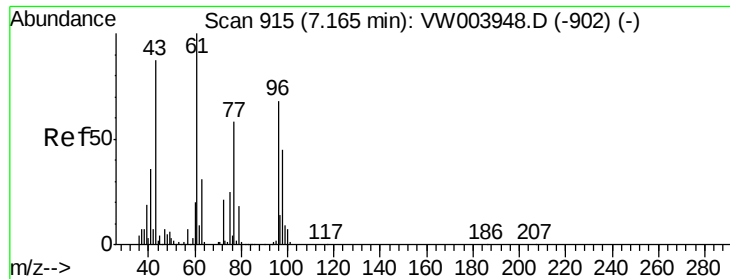
Tgt Ion: 77 Resp: 18246

Ion Ratio Lower Upper

77 100

97 22.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 4.58 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

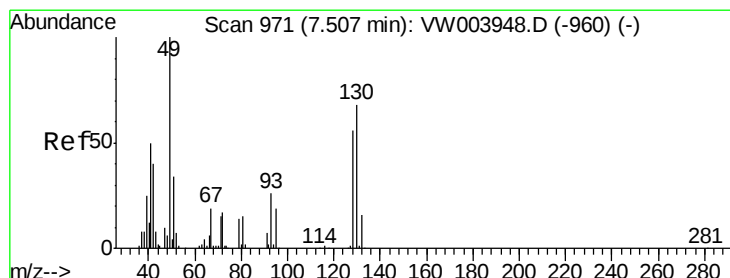
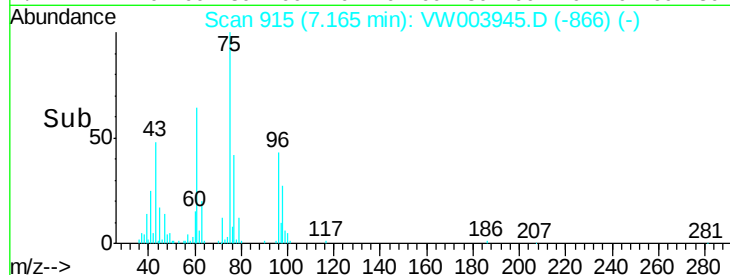
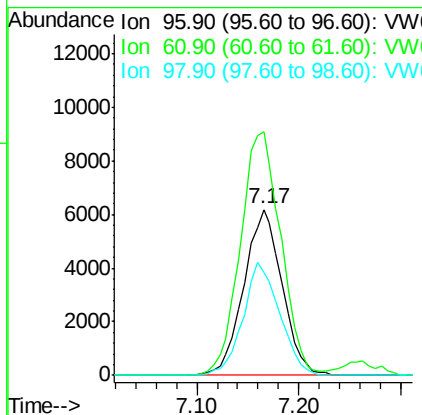
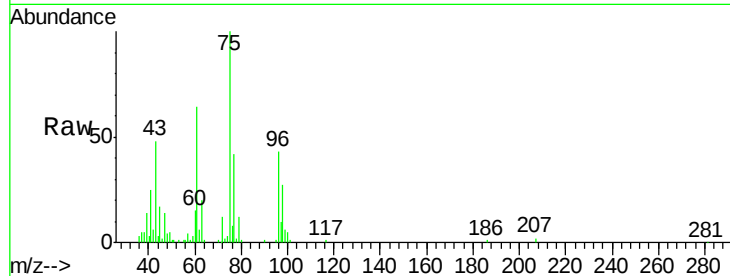
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	16138
Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	298.6
98	64.9	0.0	130.4

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#28

Bromochloromethane

Concen: 4.71 ug/l

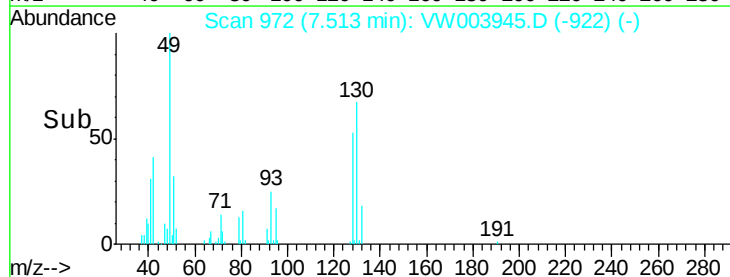
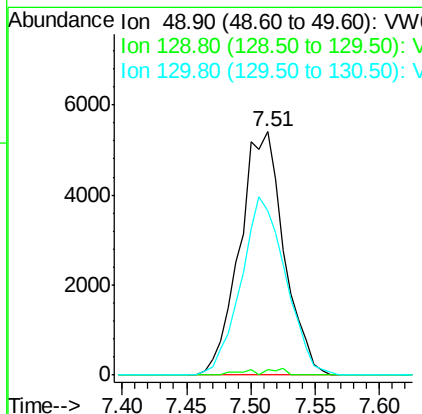
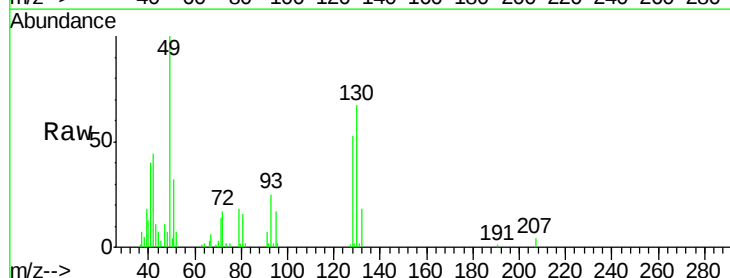
RT: 7.51 min Scan# 972

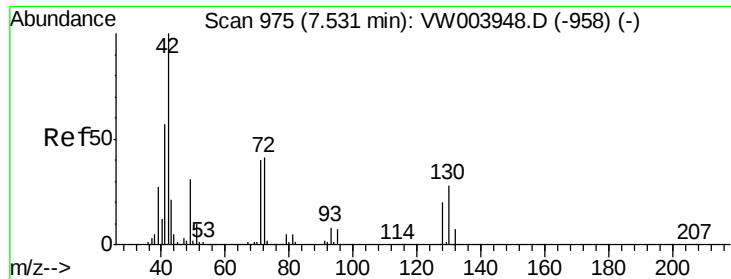
Delta R.T. 0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Tgt Ion:	49	Resp:	12863
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.2
130	74.0	58.3	87.5





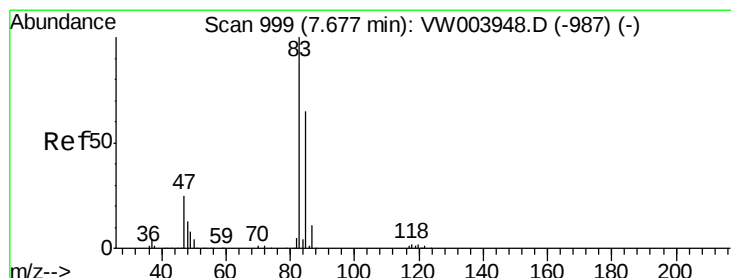
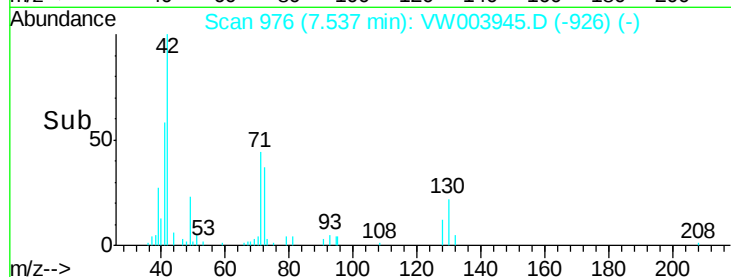
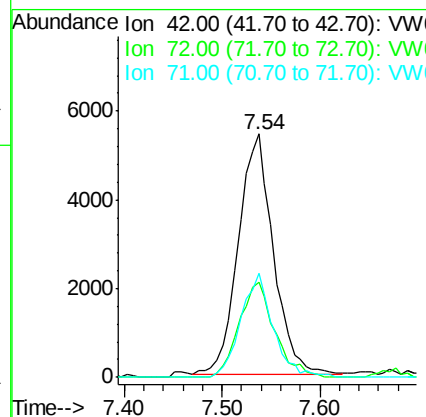
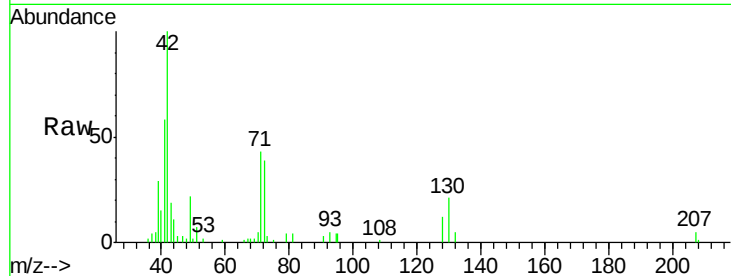
#29
Tetrahydrofuran
Concen: 20.63 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.6	48.8
71	40.2	30.5	45.7

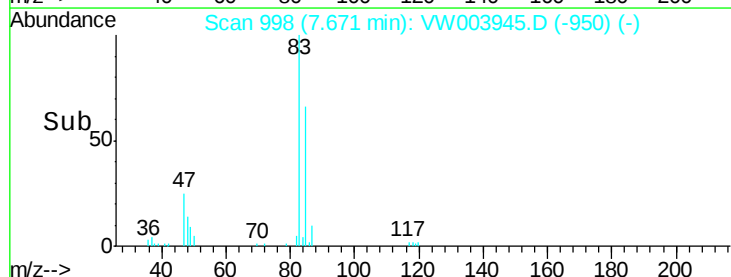
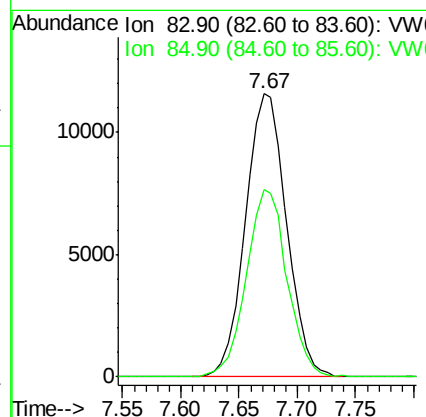
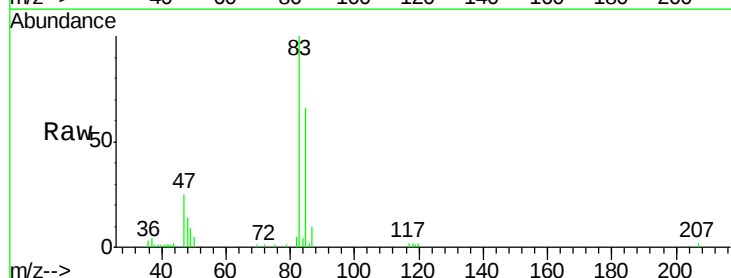
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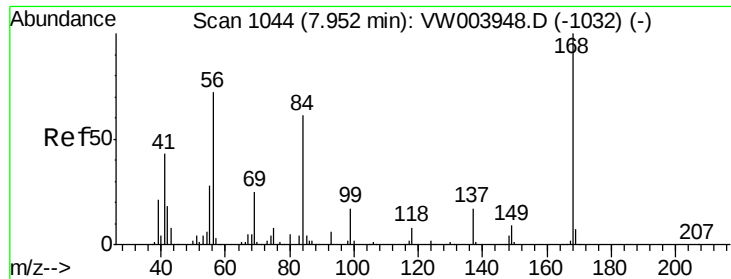
apatel
7/17/2018 10:10:55 AM



#30
Chloroform
Concen: 4.51 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.4





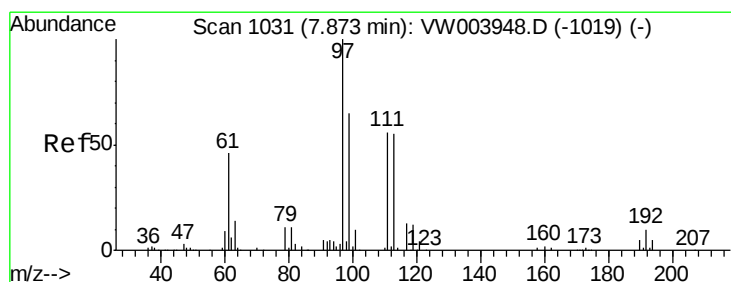
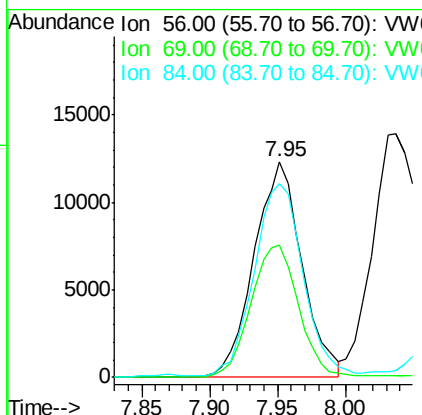
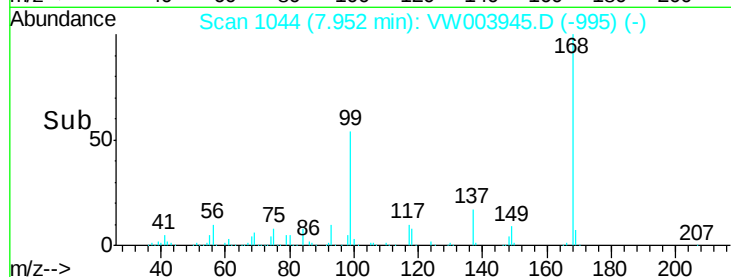
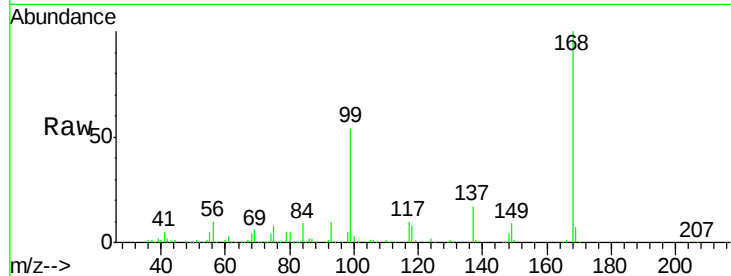
#31
Cyclohexane
Concen: 5.50 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	61.4	27.8	41.8#
84	88.8	67.2	100.8

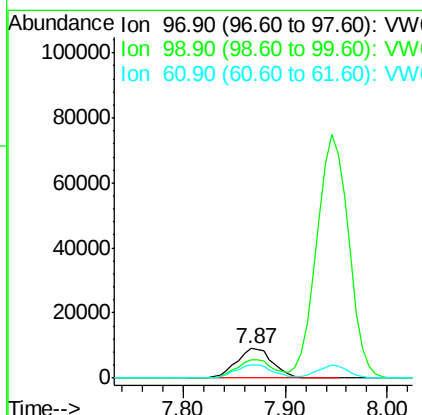
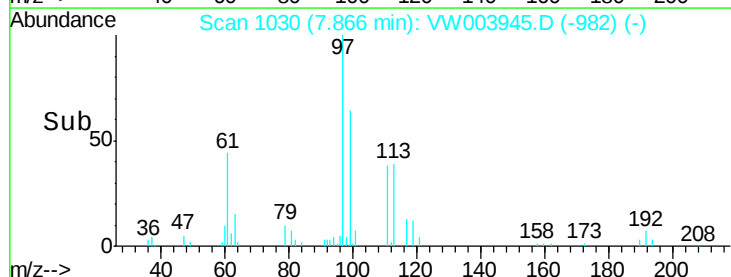
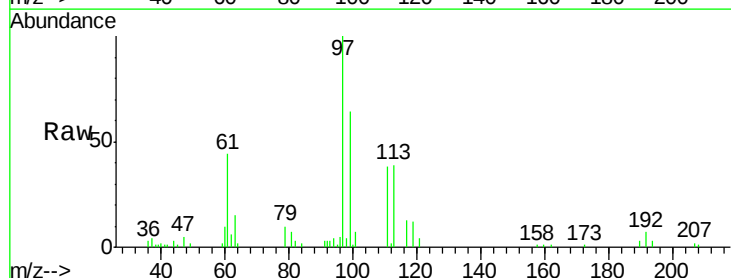
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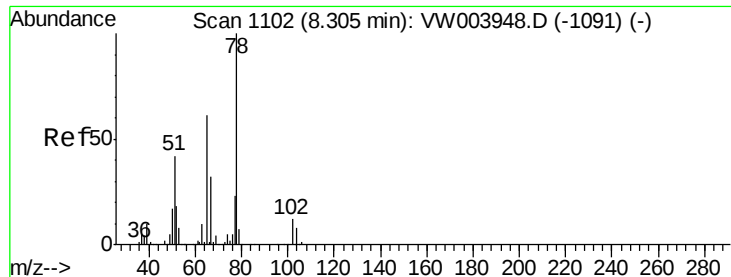
apatel
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#32
1,1,1-Trichloroethane
Concen: 4.70 ug/l
RT: 7.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.3	76.9
61	46.2	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 4.06 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 15150

Ion Ratio Lower Upper

65 100

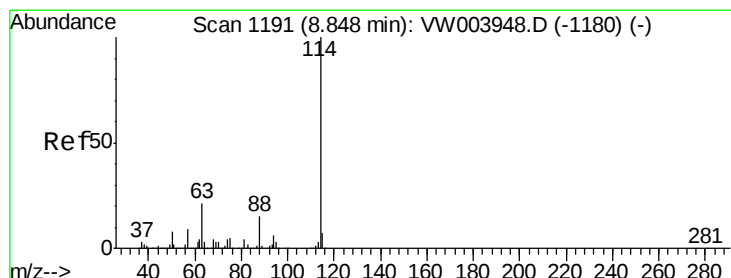
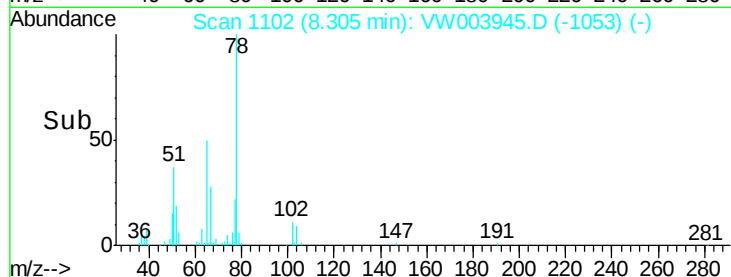
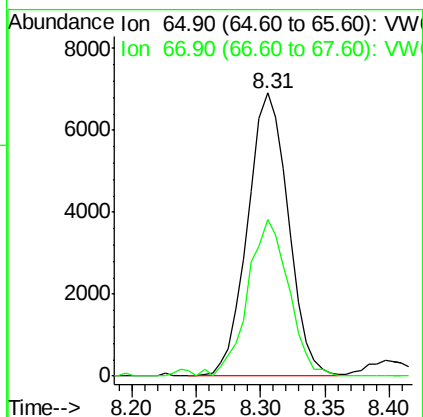
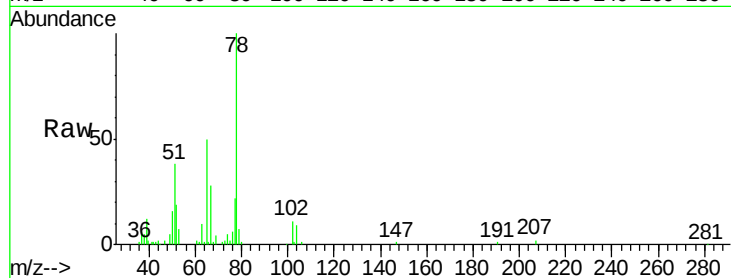
67 55.4 0.0 105.0

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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: VW003945.D

Acq: 16 Jul 2018 11:57

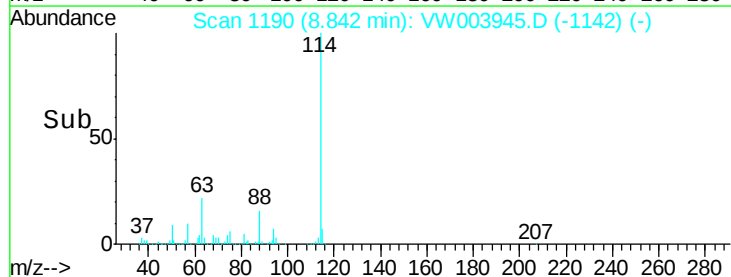
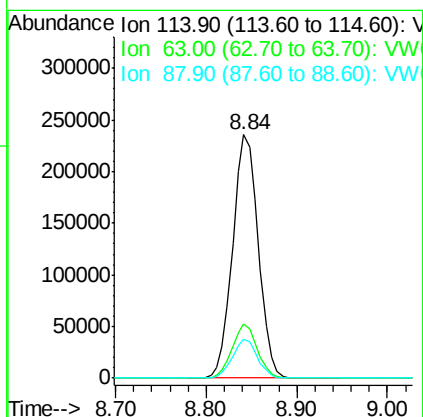
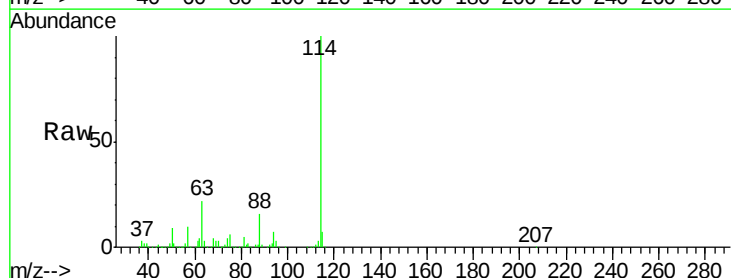
Tgt Ion: 114 Resp: 460602

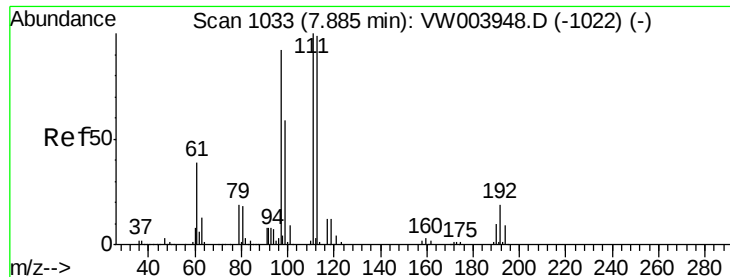
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.8

88 15.8 0.0 30.4





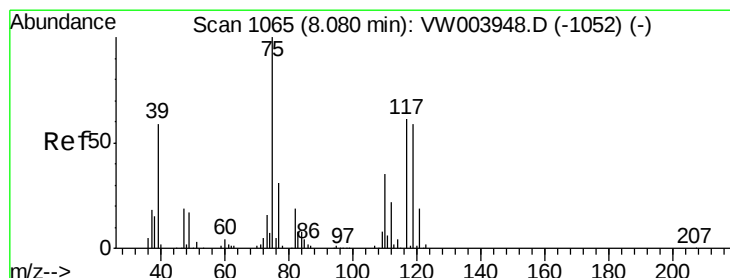
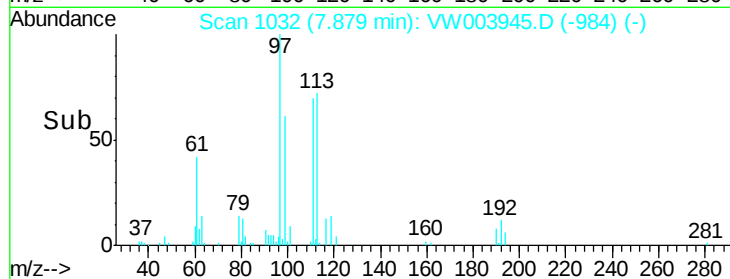
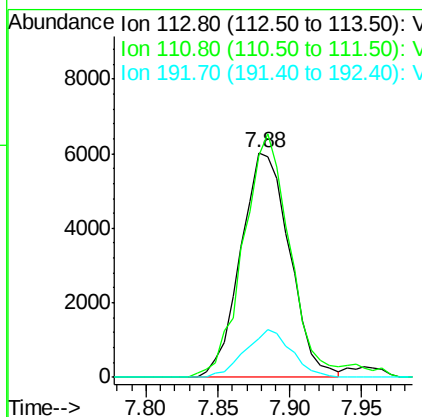
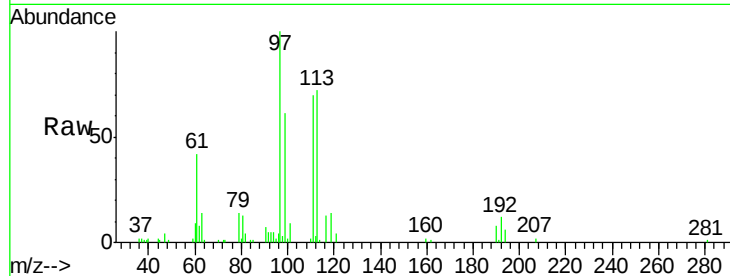
#35
Dibromofluoromethane
Concen: 4.41 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	14150		
111	102.7	81.3	121.9	
192	20.2	15.8	23.6	

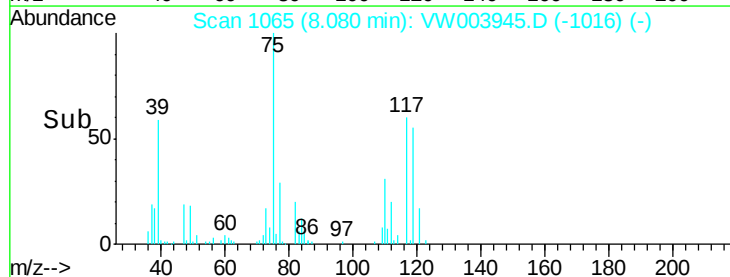
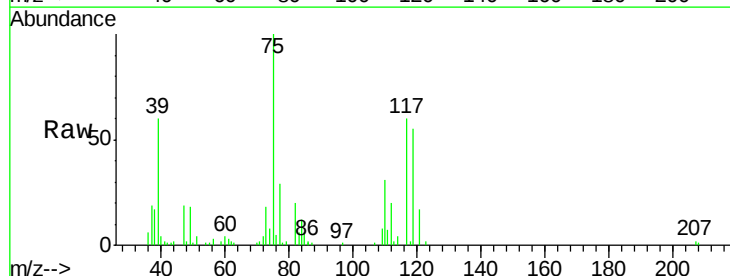
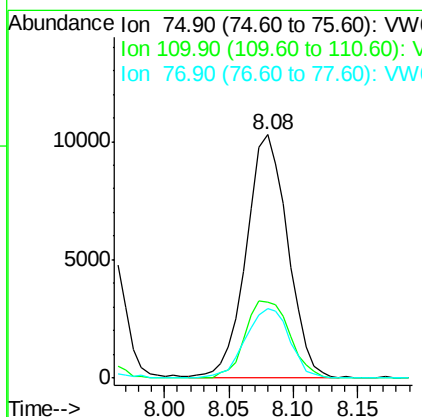
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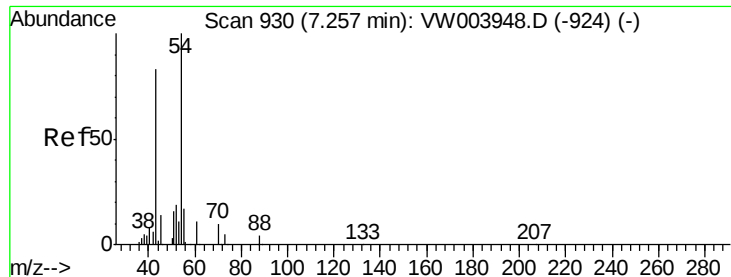
apatel
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#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22966		
110	33.9	17.0	51.0	
77	30.6	24.9	37.3	





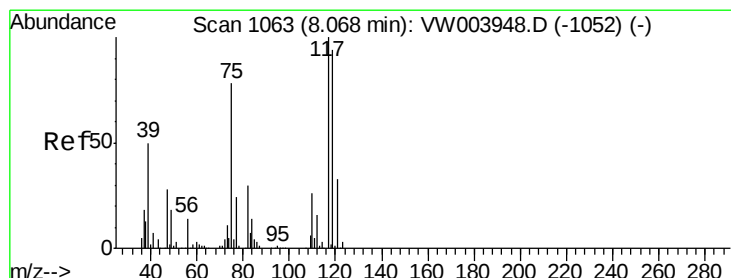
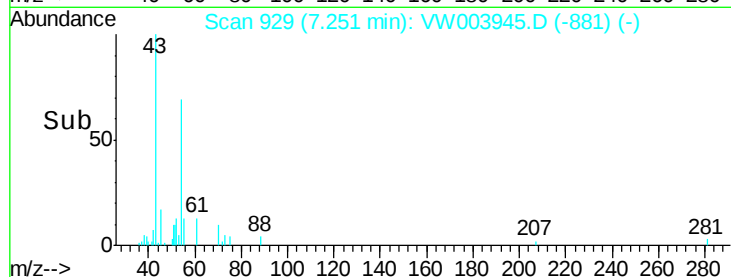
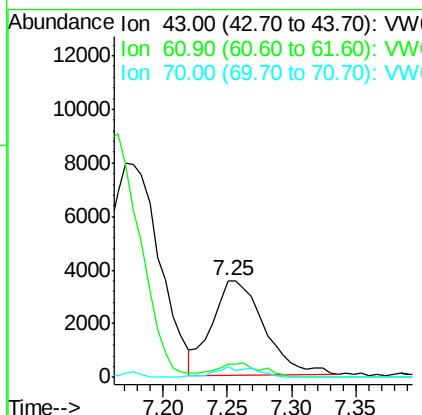
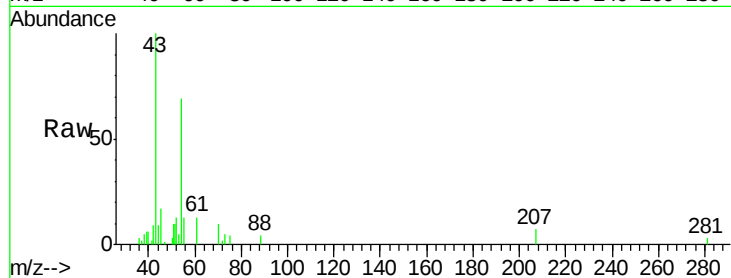
#37
Ethyl Acetate
Concen: 4.26 ug/l
RT: 7.25 min Scan# 929
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	8.7	7.7	11.5

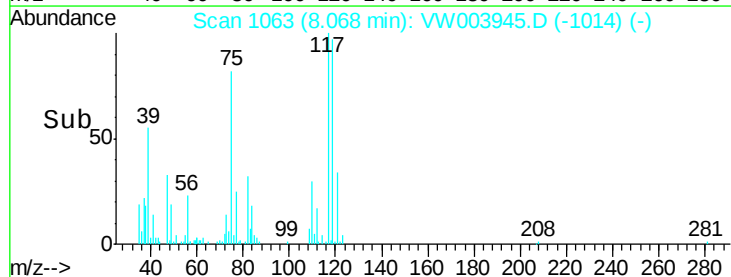
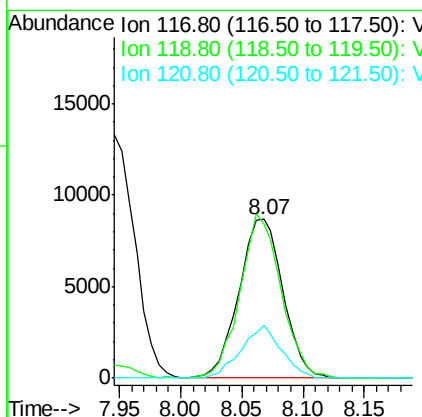
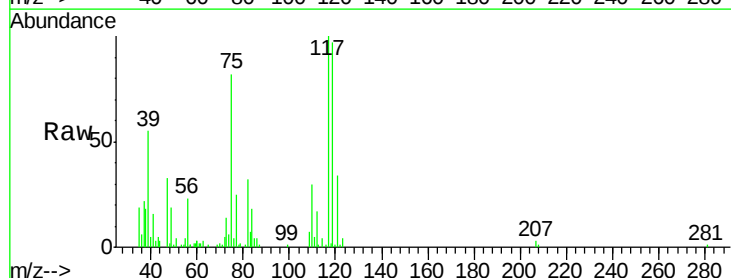
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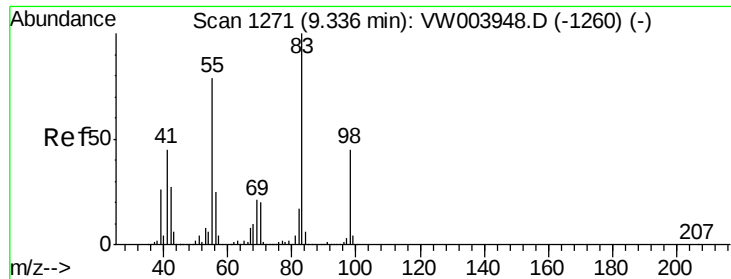
apatel
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#38
Carbon Tetrachloride
Concen: 4.74 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.3	112.9
121	33.5	26.0	39.0





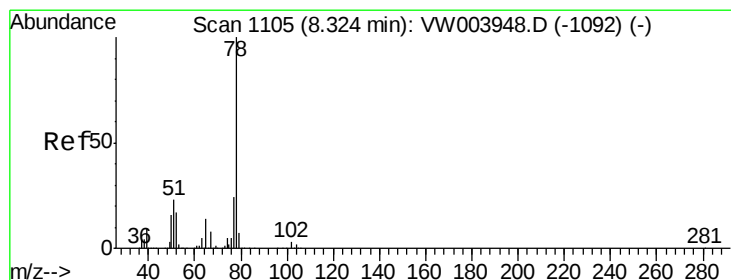
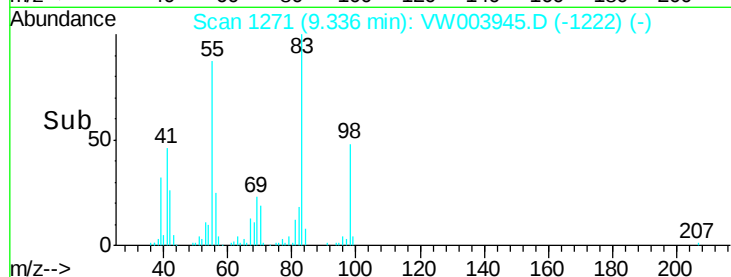
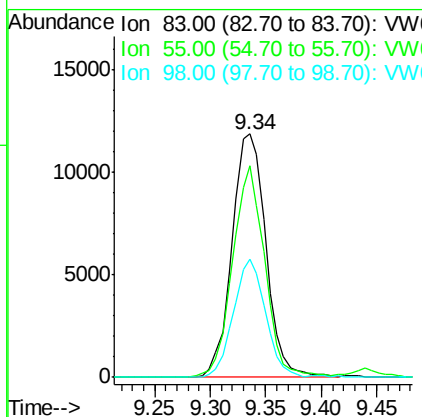
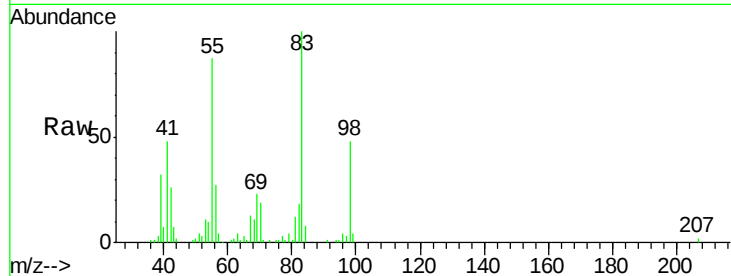
#39
Methvlcvclohexane
Concen: 4.67 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	62.8	94.2
98	48.3	36.2	54.4

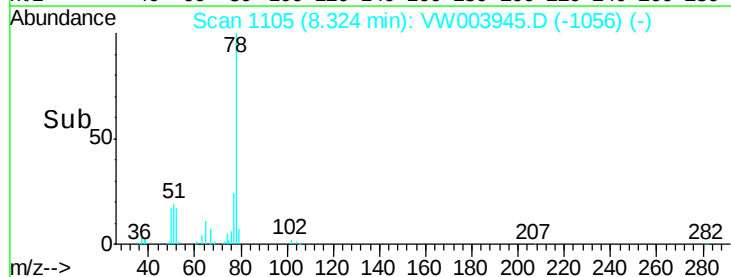
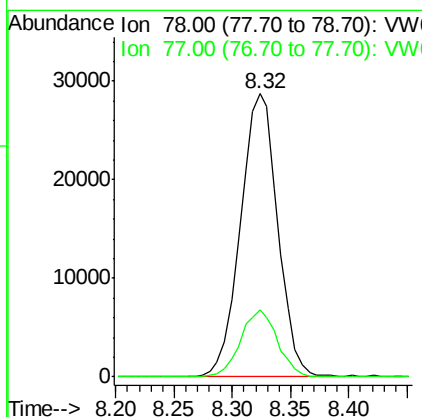
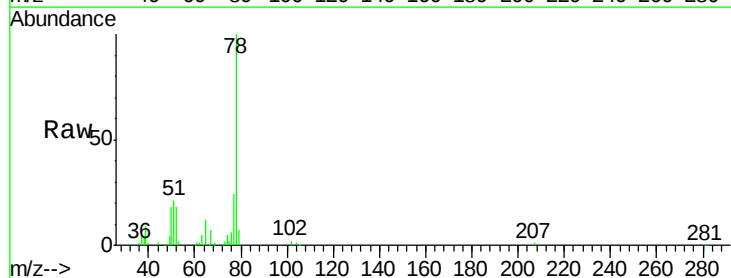
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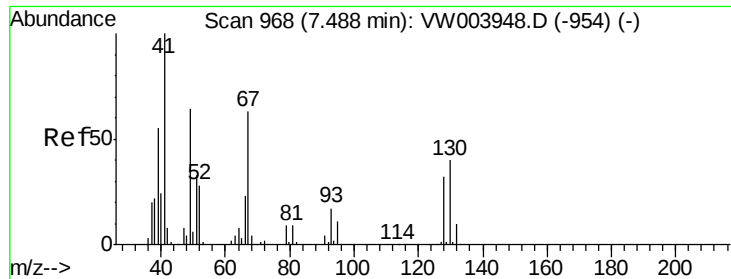
apatel
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#40
Benzene
Concen: 4.64 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.5	29.3





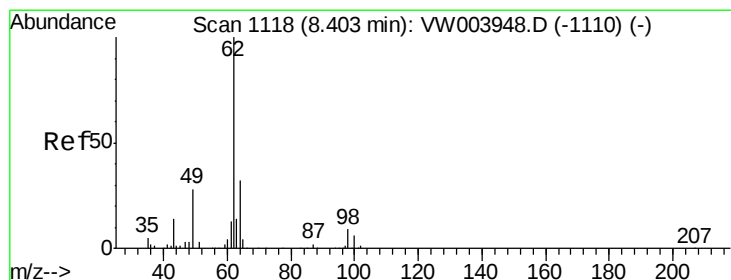
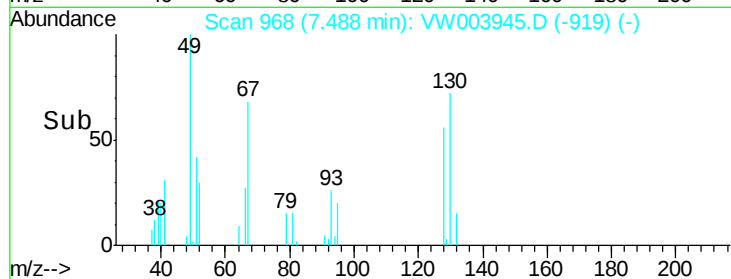
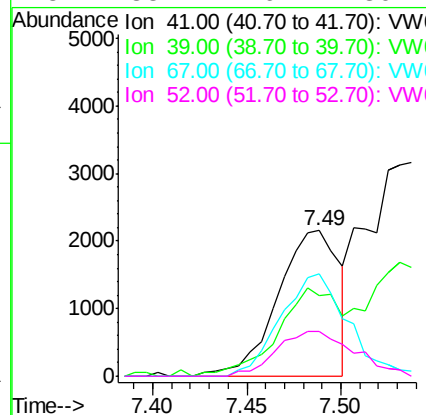
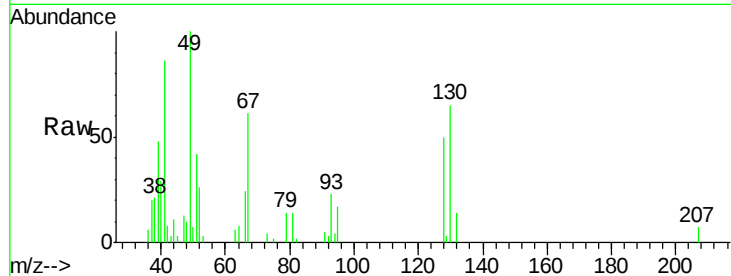
#41
Methacrylonitrile
Concen: 3.70 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	4902
Ion	Ratio	Lower	Upper
41	100		
39	59.6	50.0	75.0
67	76.2	60.8	91.2
52	38.7	26.2	39.4

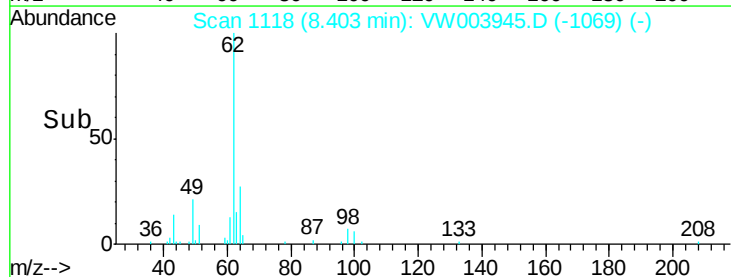
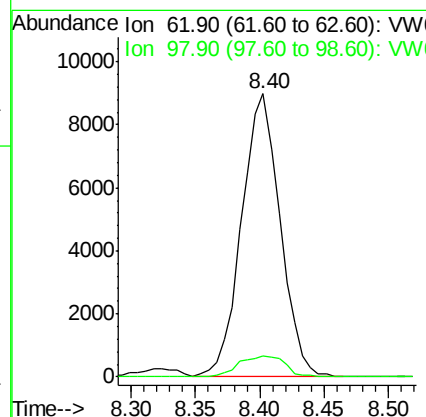
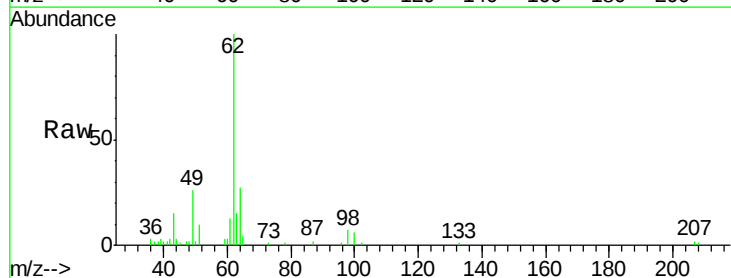
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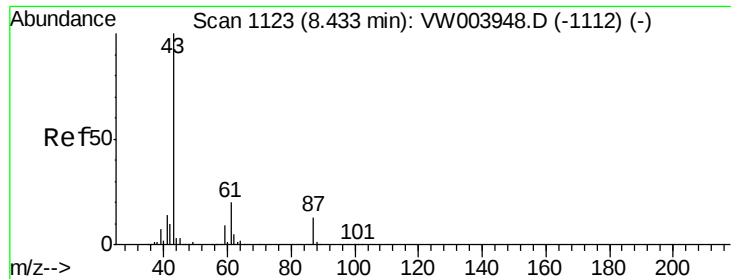
apatel
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#42
1,2-Dichloroethane
Concen: 4.20 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion:	62	Resp:	18613
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.4





#43

Isopropyl Acetate

Concen: 3.98 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

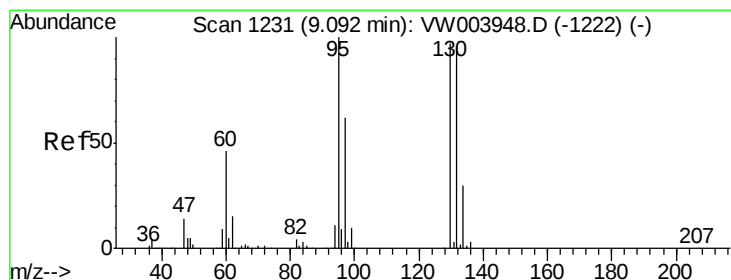
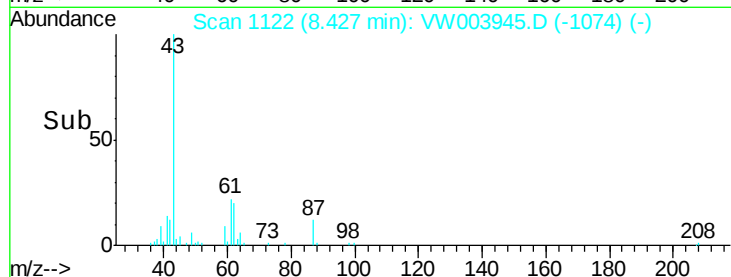
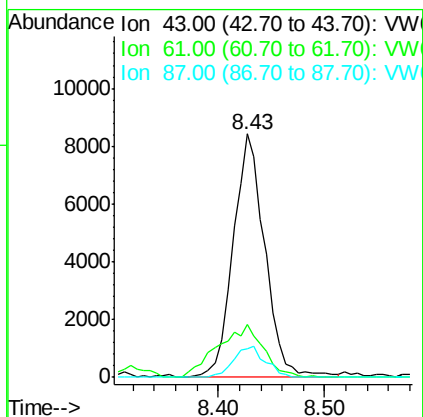
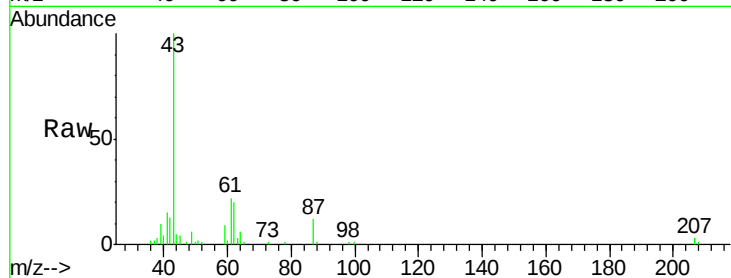
ClientSampled :

VSTDIC005

Tot Ion:	43	Resp:	17617
Ion Ratio	Lower	Upper	
43	100		
61	30.7	23.0	34.6
87	12.9	9.9	14.9

Manual Integrations
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apatel
7/17/2018 10:10:55 AM



#44

Trichloroethene

Concen: 4.77 ug/l

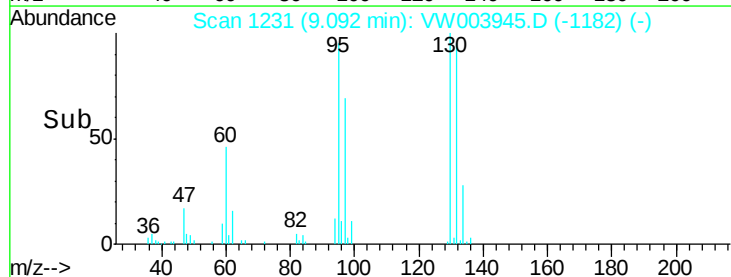
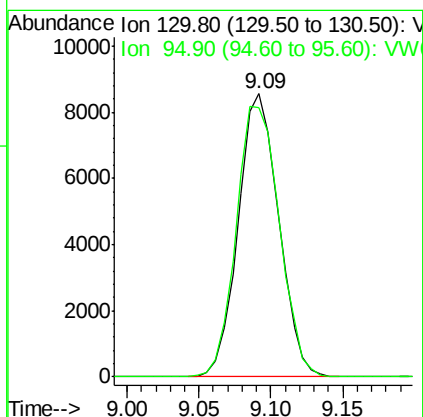
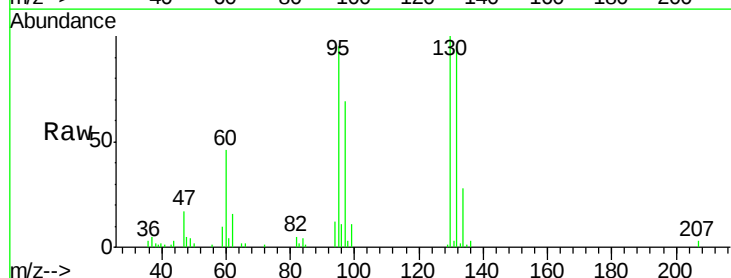
RT: 9.09 min Scan# 1231

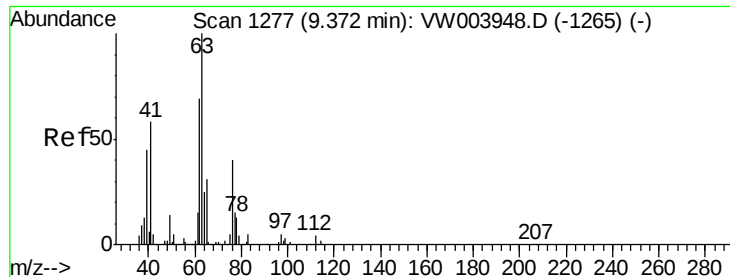
Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Tgt Ion:	130	Resp:	16669
Ion Ratio	Lower	Upper	
130	100		
95	95.4	0.0	206.8





#45

1,2-Dichloropropane

Concen: 4.35 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 15570

Ion Ratio Lower Upper

63 100

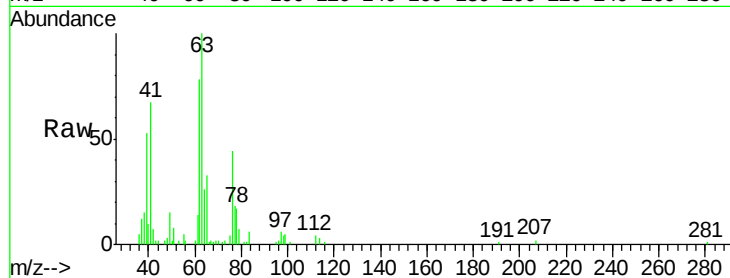
65 32.7 24.8 37.2

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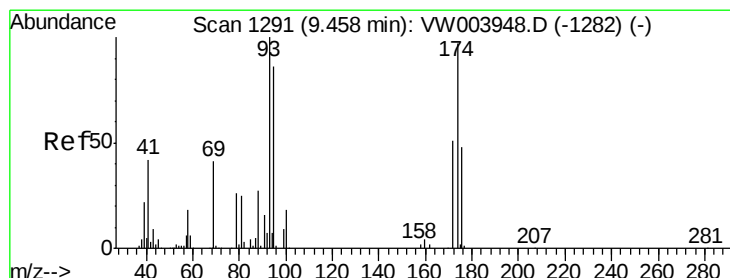
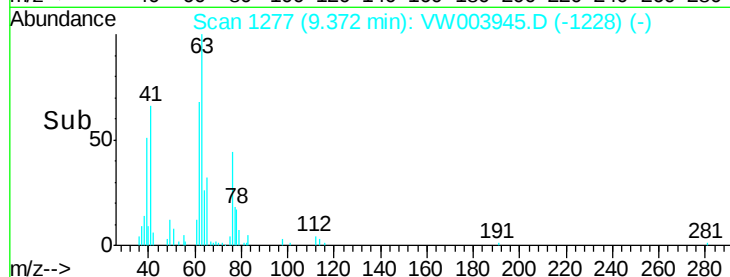
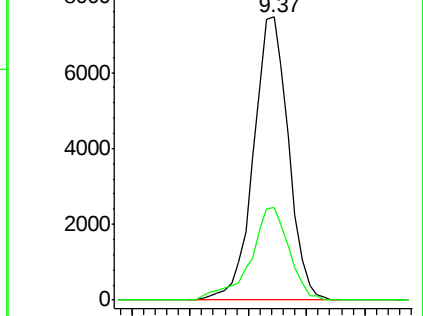
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 4.13 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

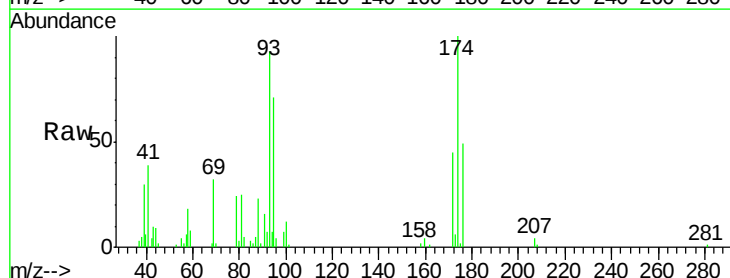
Tgt Ion: 93 Resp: 7753

Ion Ratio Lower Upper

93 100

95 85.3 66.9 100.3

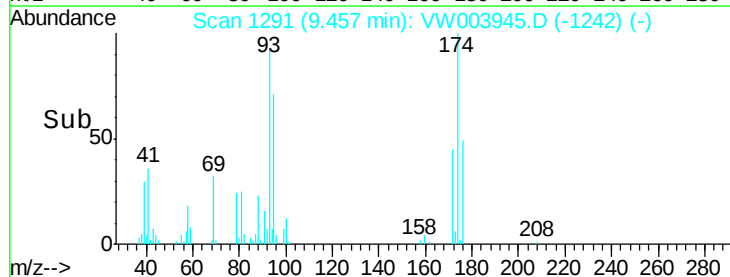
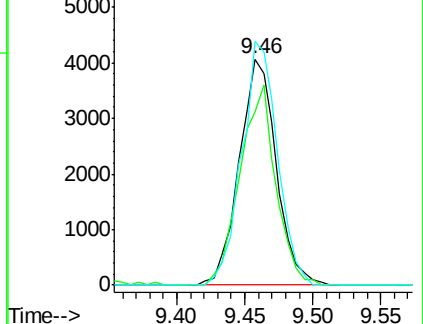
174 103.9 80.2 120.2

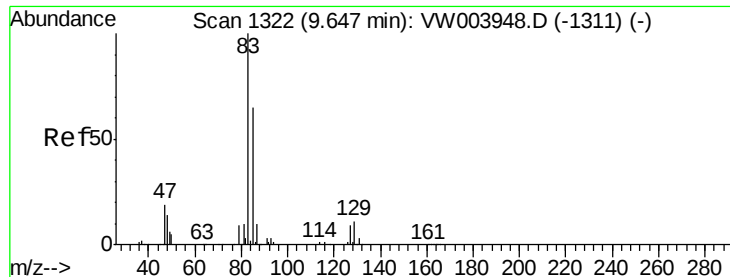


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.29 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

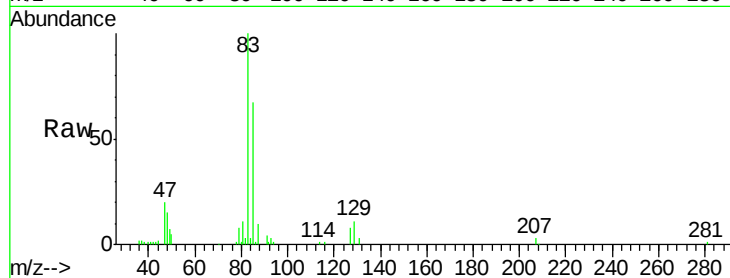
ClientSampled :

VSTDIC005

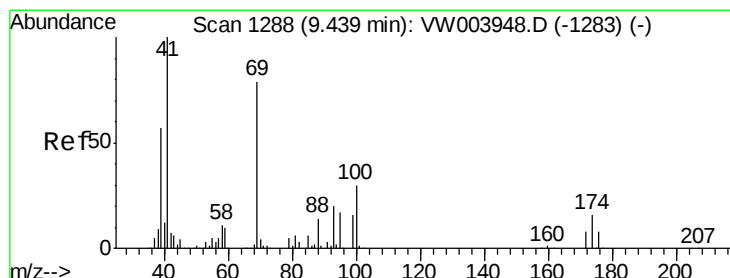
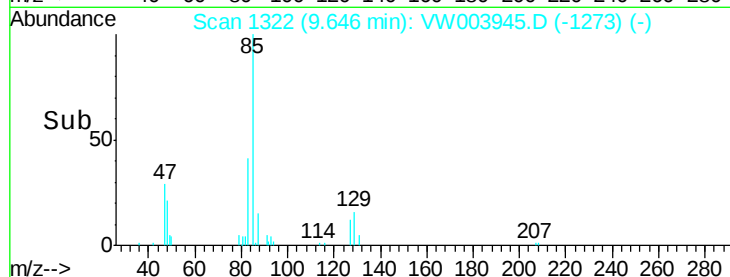
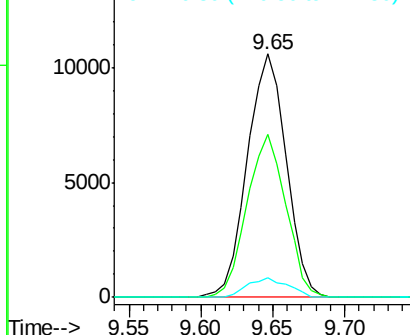
Tot Ion:	83	Resp:	19843
Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.2	78.2
127	7.9	7.0	10.4

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 3.92 ug/l

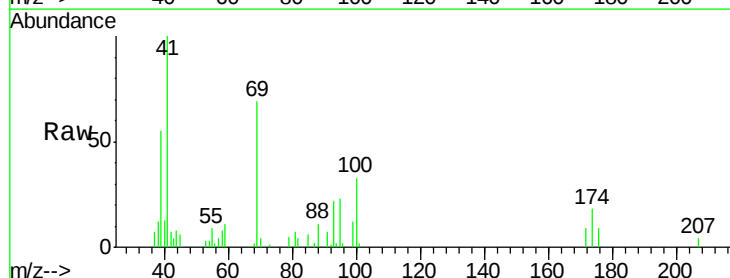
RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

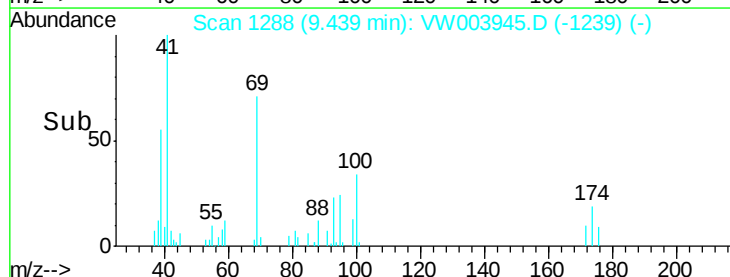
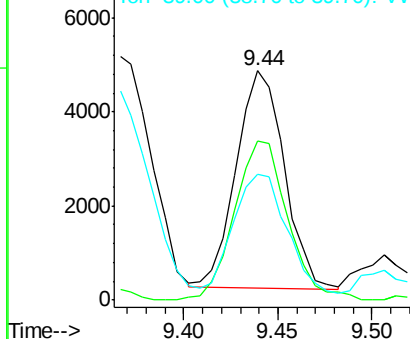
Lab File: VW003945.D

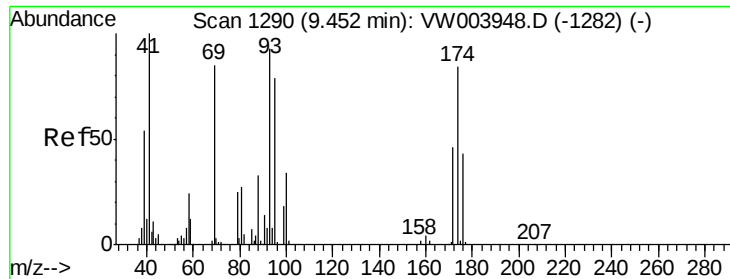
Acq: 16 Jul 2018 11:57

Tgt Ion:	41	Resp:	8253
Ion	Ratio	Lower	Upper
41	100		
69	80.3	67.0	100.6
39	67.3	48.8	73.2



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





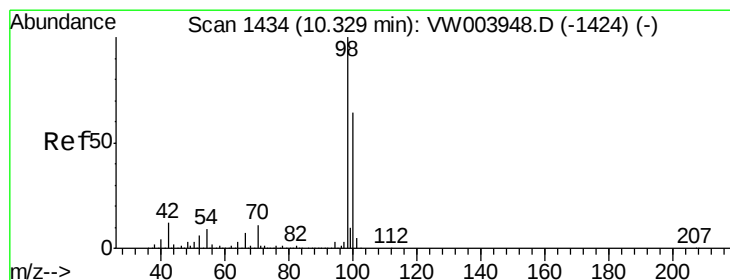
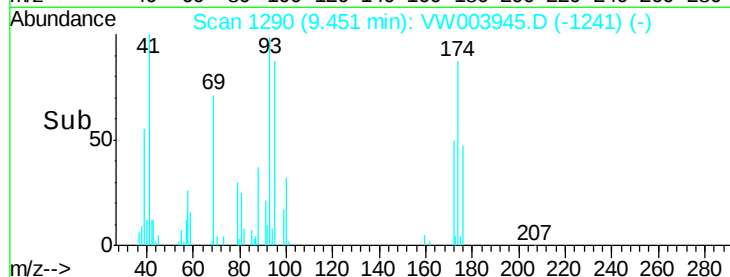
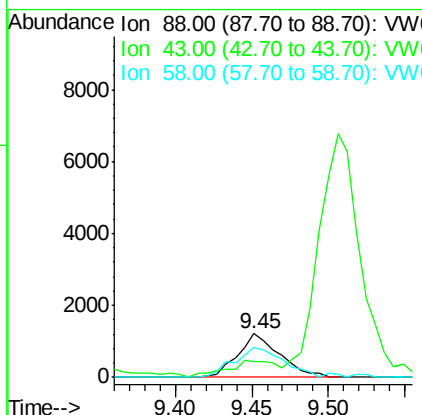
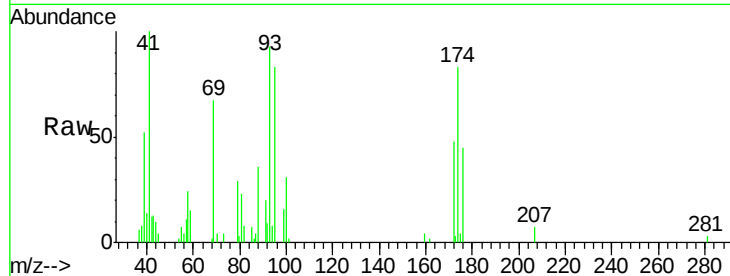
#49
1,4-Dioxane
Concen: 82.27 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	88	Resp	2317
Ion	Ratio	Lower	Upper
88	100		
43	45.7	27.3	40.9#
58	79.5	61.1	91.7

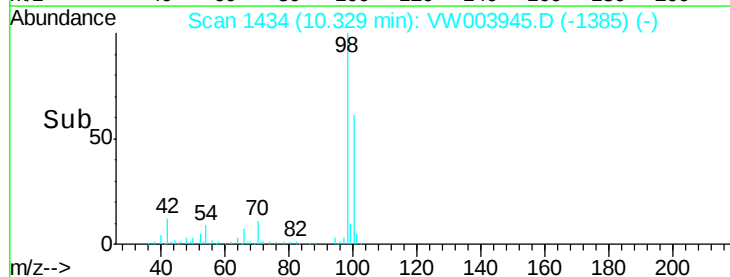
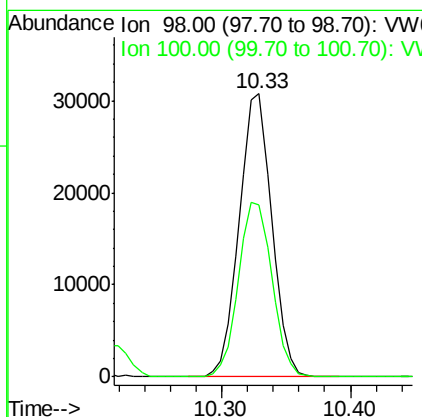
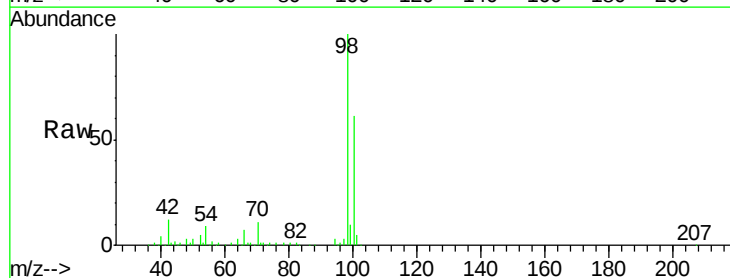
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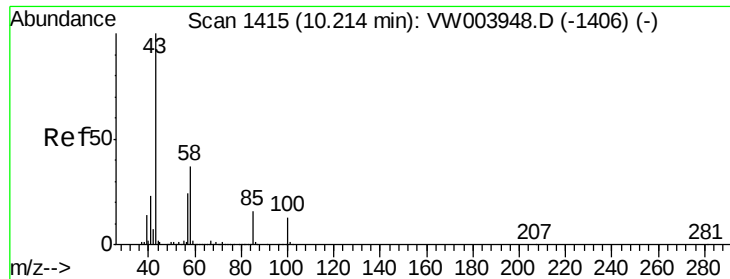
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#50
Toluene-d8
Concen: 4.39 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	98	Resp	53900
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 20.54 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 46954

Ion Ratio Lower Upper

43 100

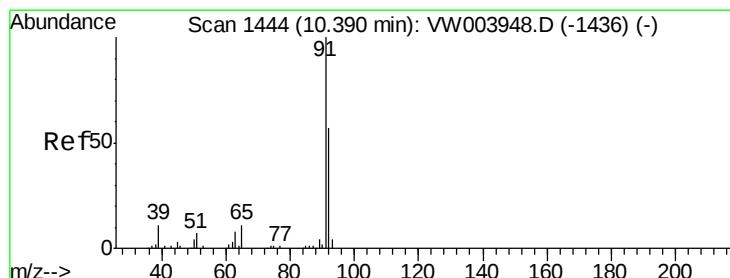
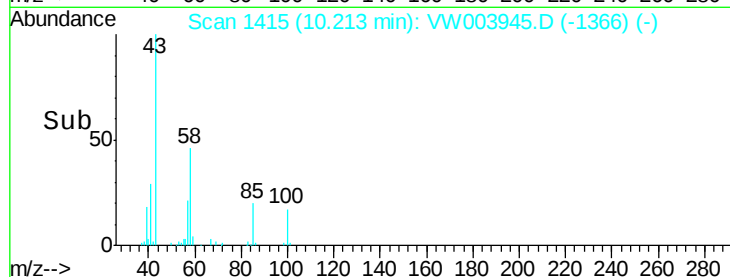
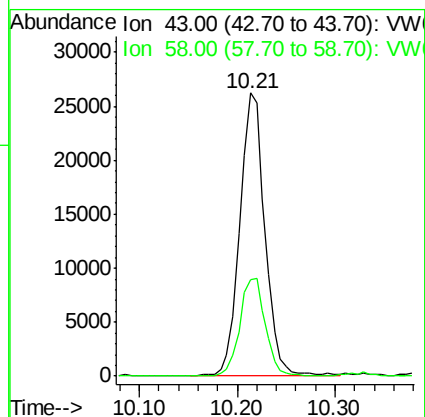
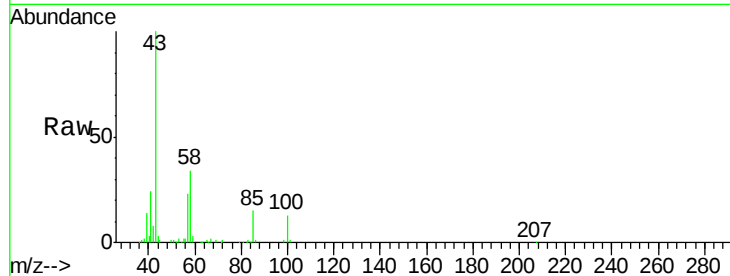
58 35.0 29.9 44.9

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#52

Toluene

Concen: 4.51 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003945.D

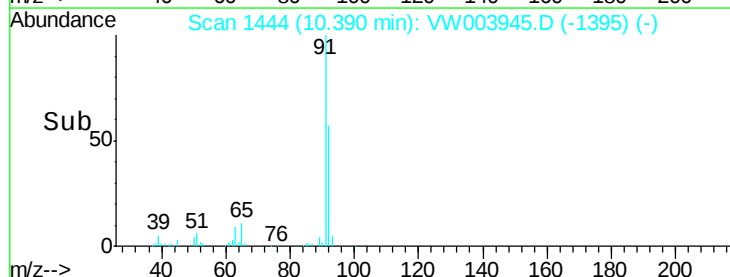
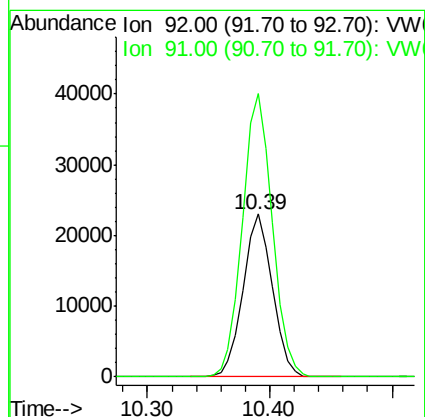
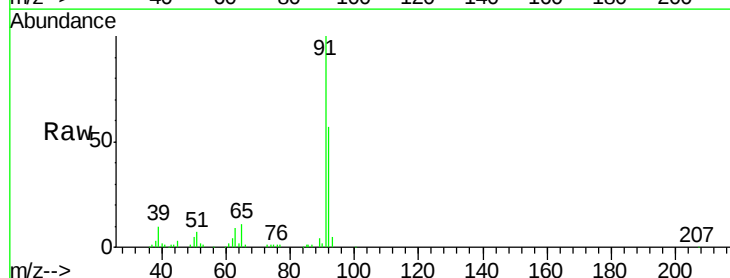
Acq: 16 Jul 2018 11:57

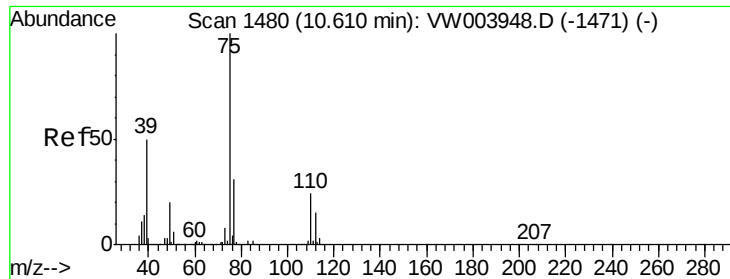
Tgt Ion: 92 Resp: 38514

Ion Ratio Lower Upper

92 100

91 175.9 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 4.26 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 19717

Ion Ratio Lower Upper

75 100

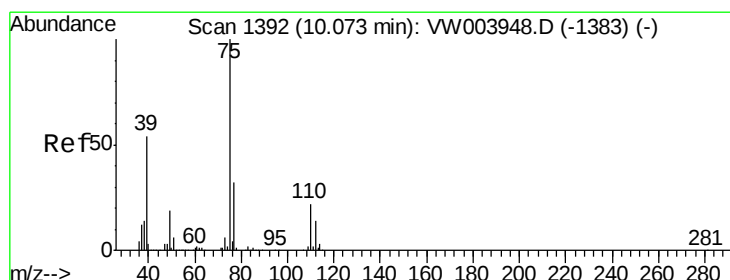
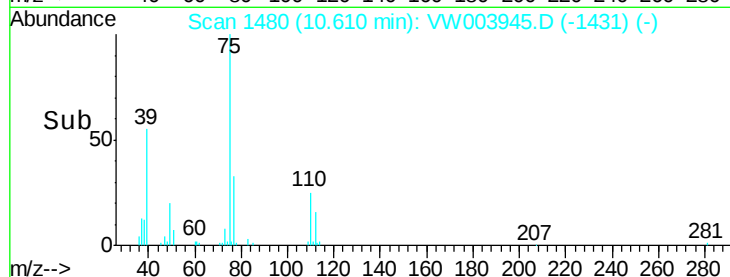
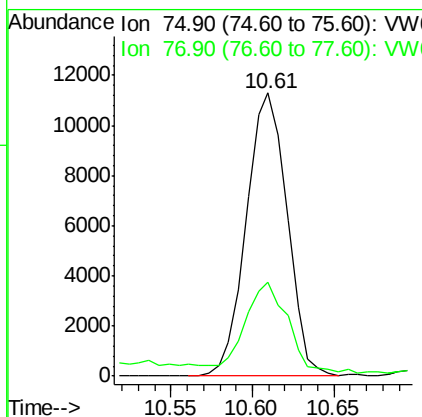
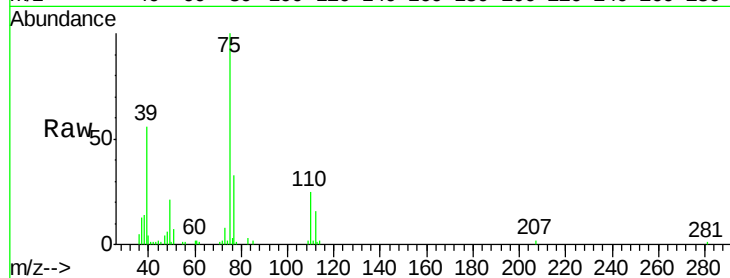
77 31.8 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 4.45 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

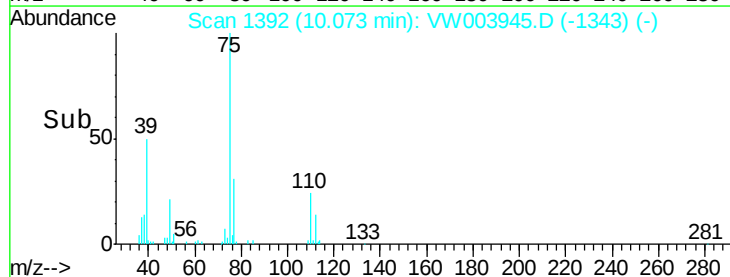
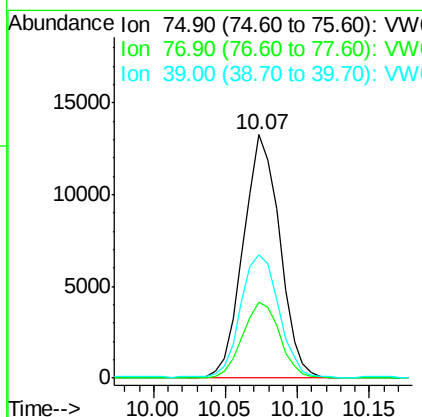
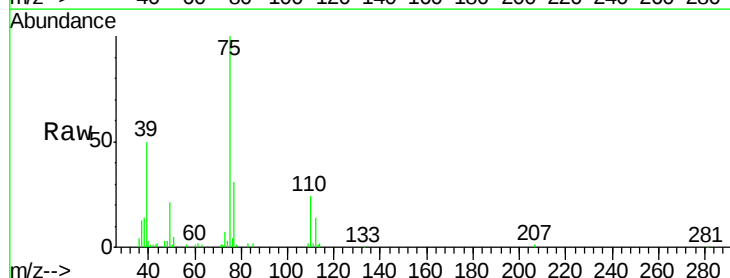
Tgt Ion: 75 Resp: 23304

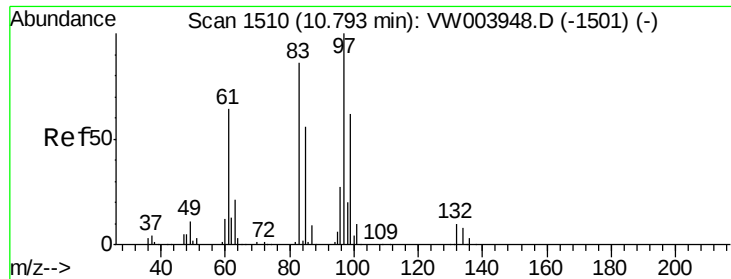
Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.2

39 50.4 43.0 64.6





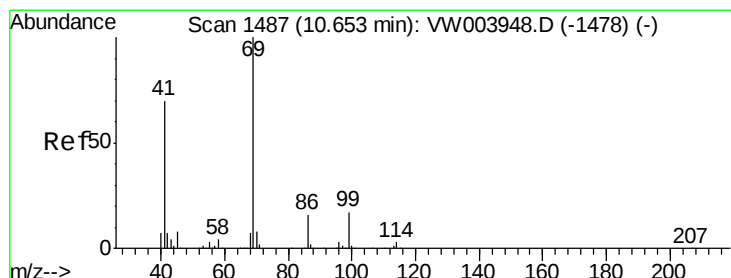
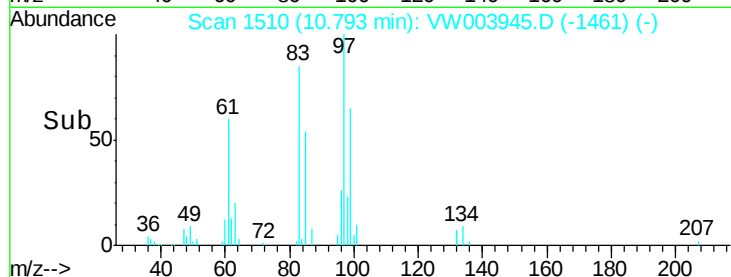
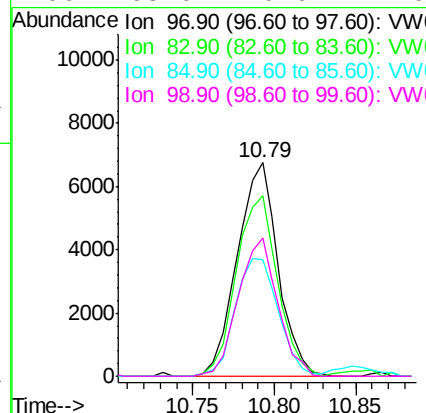
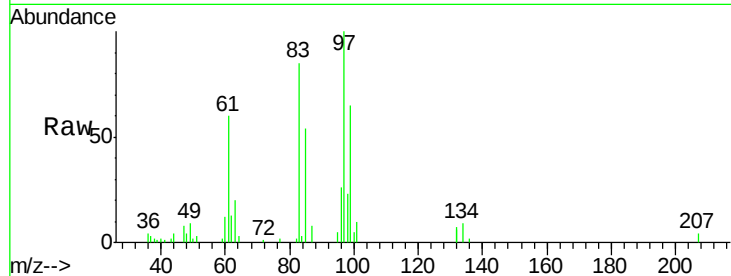
#55
 1,1,2-Trichloroethane
 Concen: 4.50 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.0	103.4
85	54.4	45.0	67.6
99	65.0	49.9	74.9

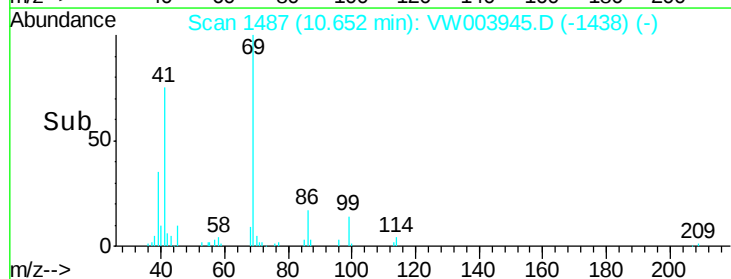
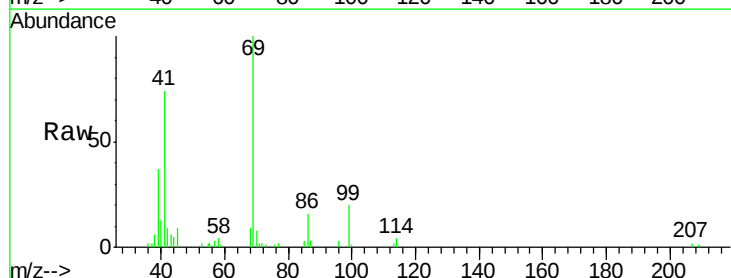
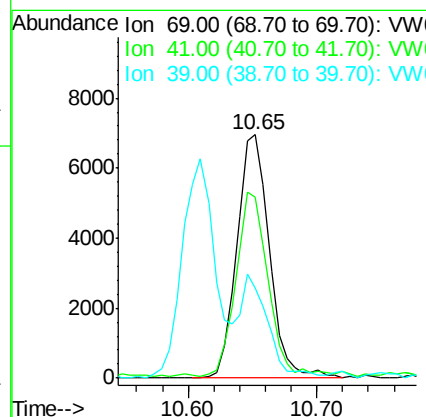
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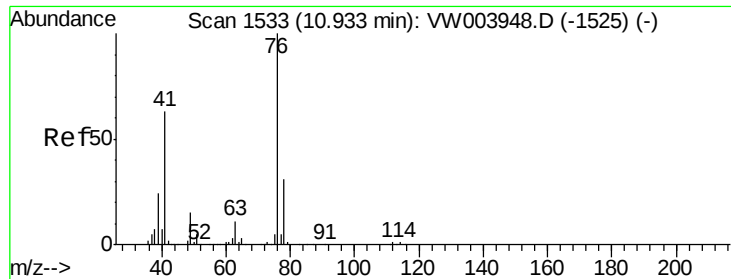
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#56
 Ethyl methacrylate
 Concen: 3.83 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.1	56.5	84.7
39	36.3	30.2	45.4





#57

1,3-Dichloropropane

Concen: 4.28 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 19431

Ion Ratio Lower Upper

76 100

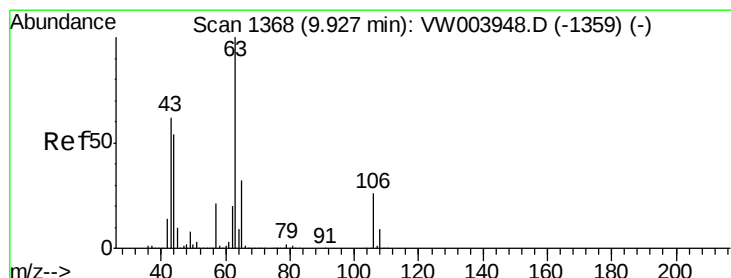
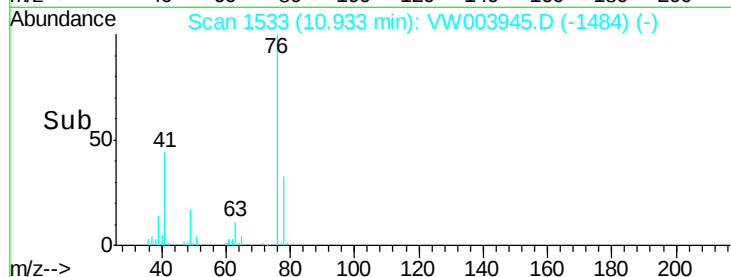
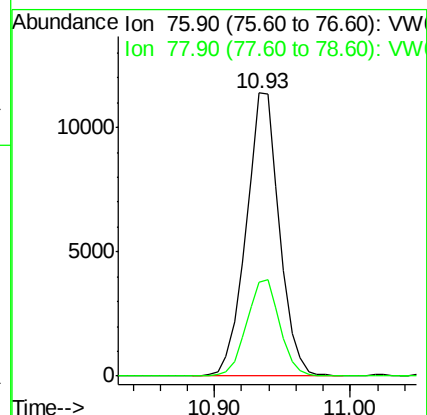
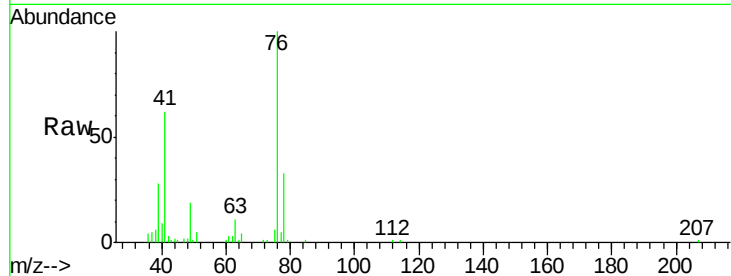
78 33.8 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 18.84 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VW003945.D

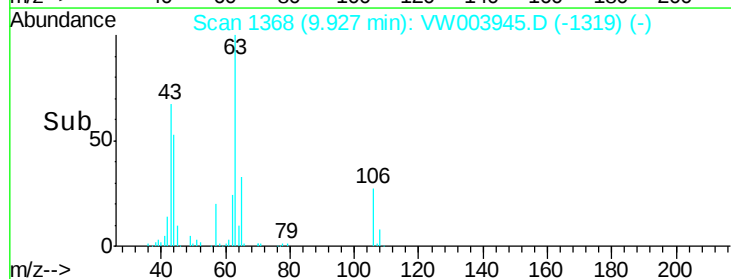
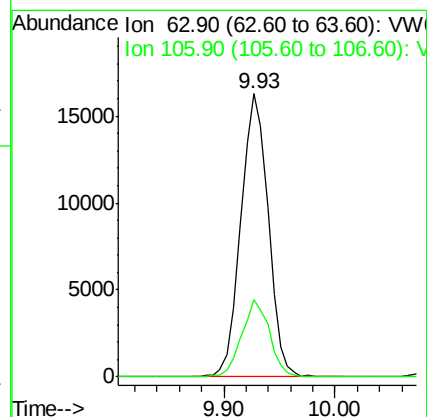
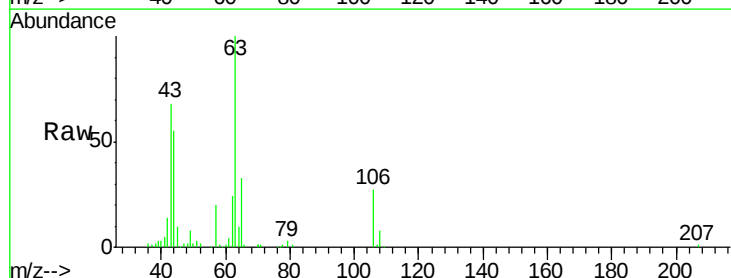
Acq: 16 Jul 2018 11:57

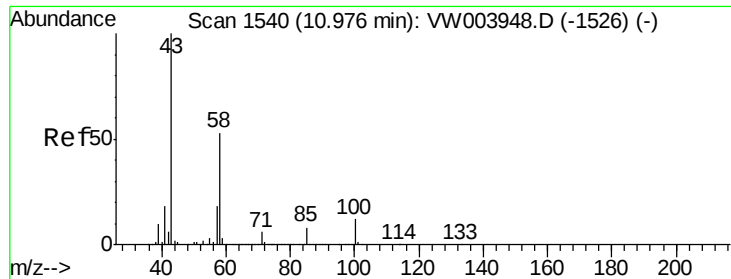
Tgt Ion: 63 Resp: 27743

Ion Ratio Lower Upper

63 100

106 27.4 21.2 31.8





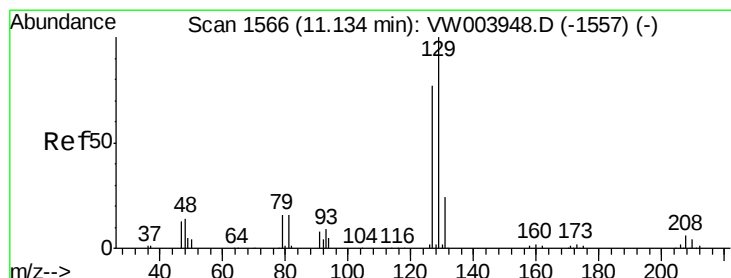
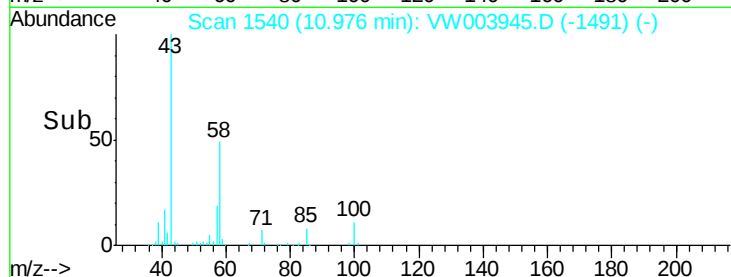
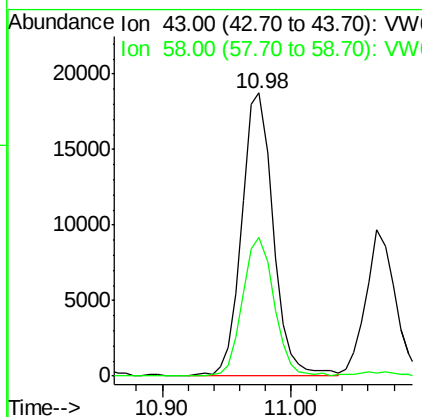
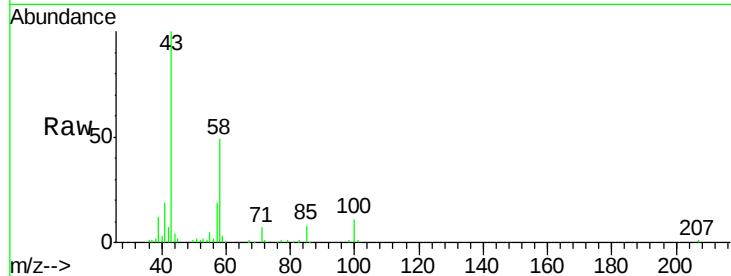
#59
2-Hexanone
Concen: 20.24 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 31784
Ion Ratio Lower Upper
43 100
58 49.0 26.0 78.0

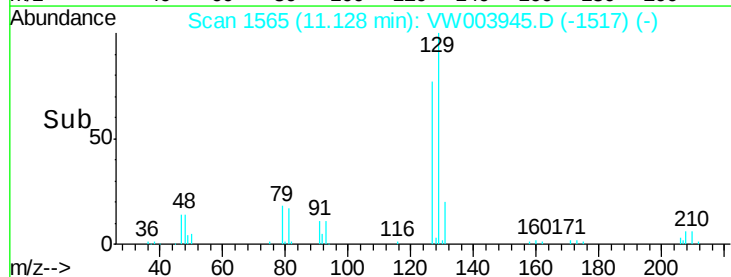
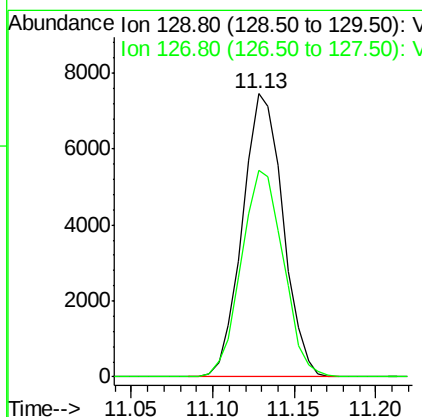
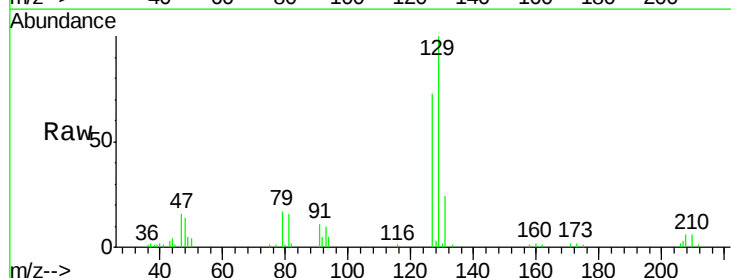
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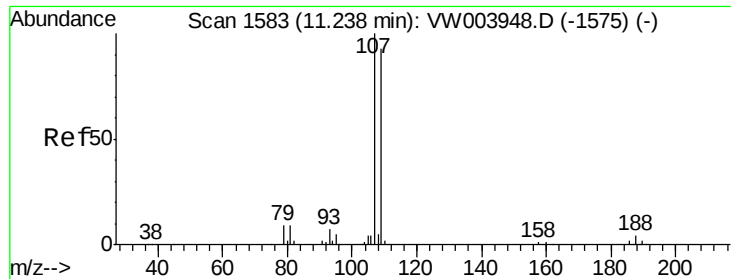
apatel
7/17/2018 10:10:55 AM



#60
Dibromochloromethane
Concen: 4.25 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion: 129 Resp: 12910
Ion Ratio Lower Upper
129 100
127 75.6 39.1 117.3





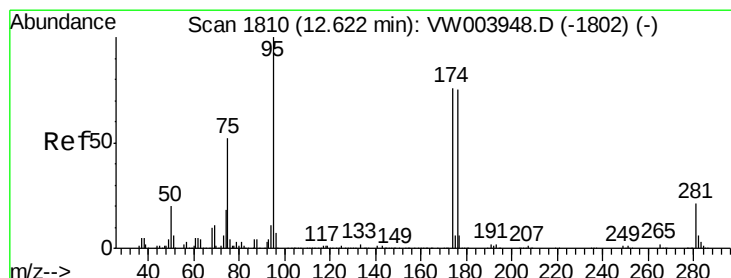
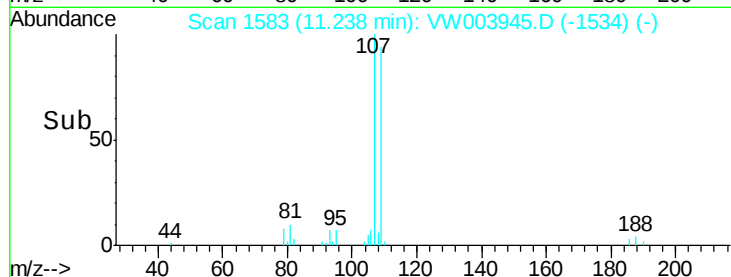
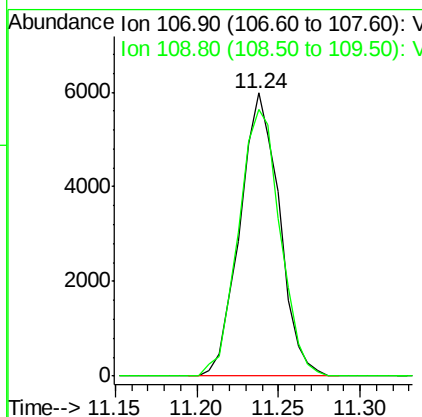
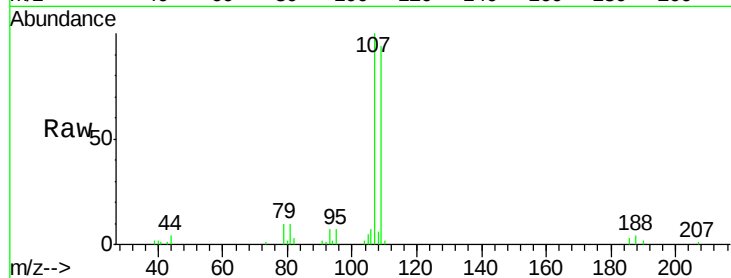
#61
 1,2-Dibromoethane
 Concen: 4.06 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.3	74.3	111.5

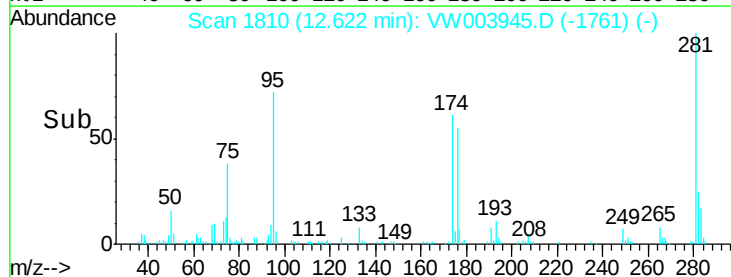
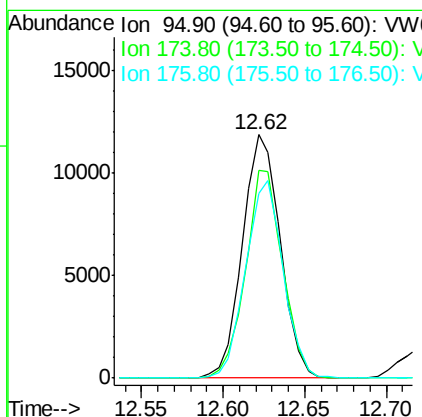
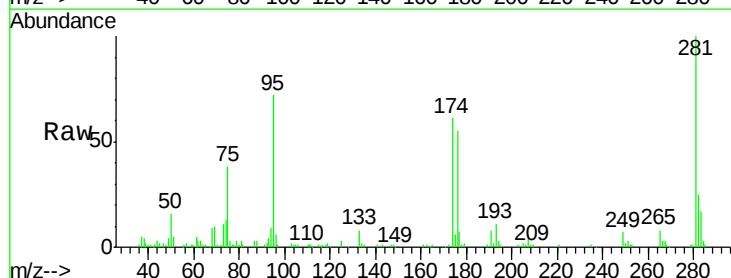
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#62
 4-Bromofluorobenzene
 Concen: 4.30 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	160.2
176	81.1	0.0	155.8





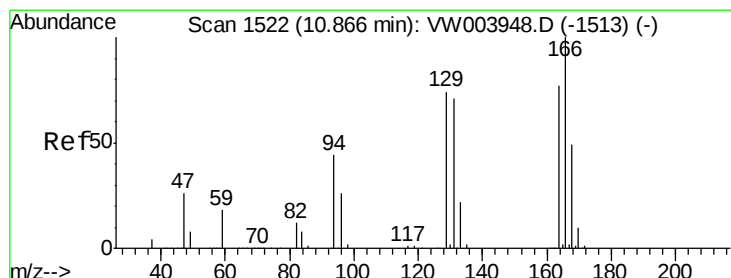
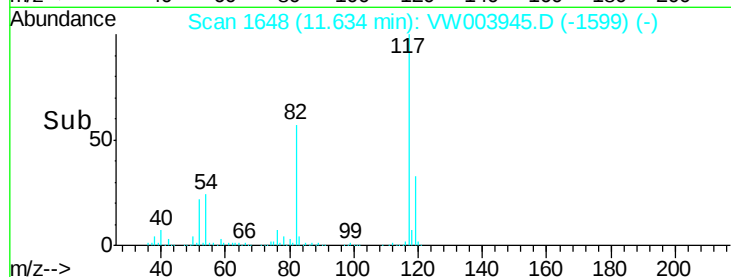
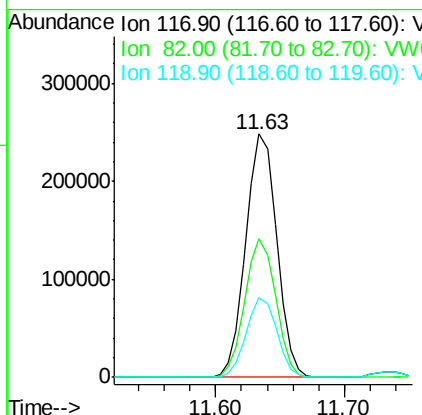
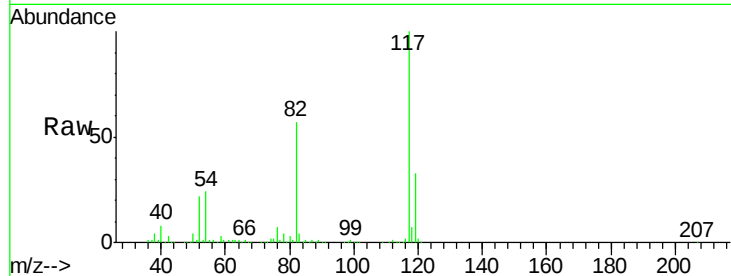
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.5	69.7
119	32.7	26.2	39.2

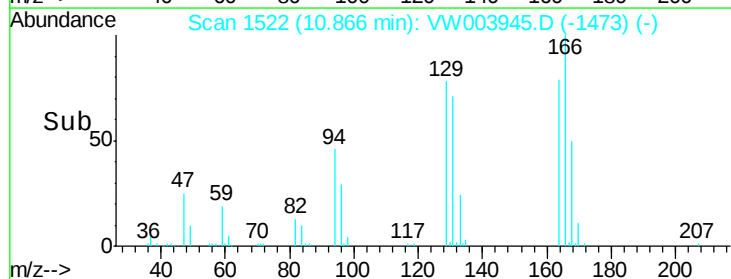
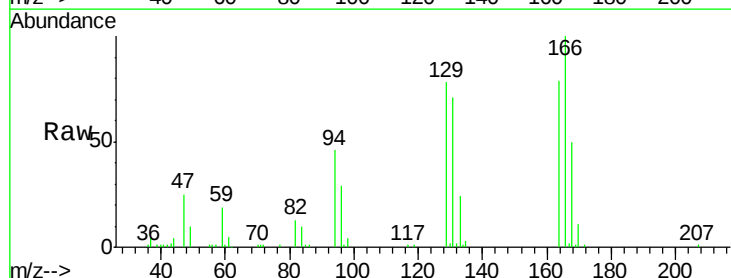
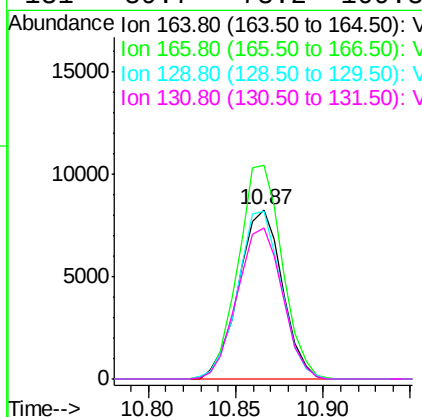
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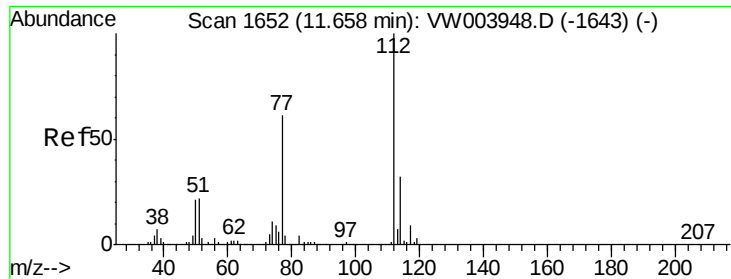
apatel
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#64
Tetrachloroethene
Concen: 4.79 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.5	155.3
129	99.0	76.8	115.2
131	89.7	73.2	109.8





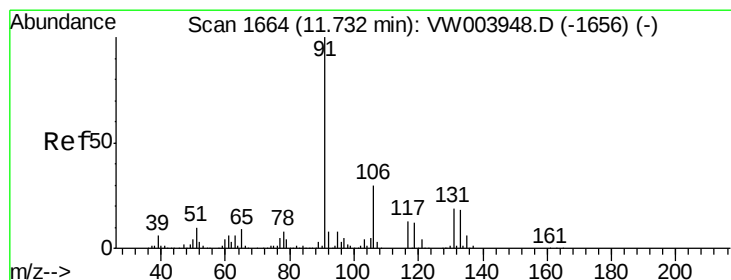
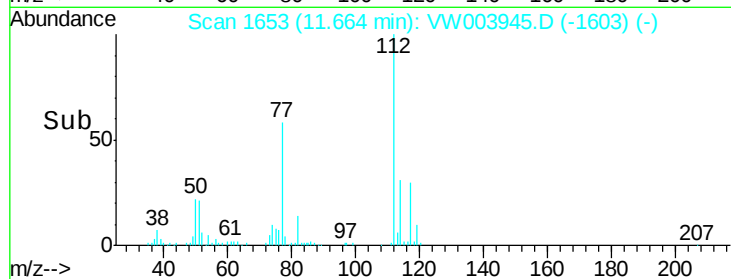
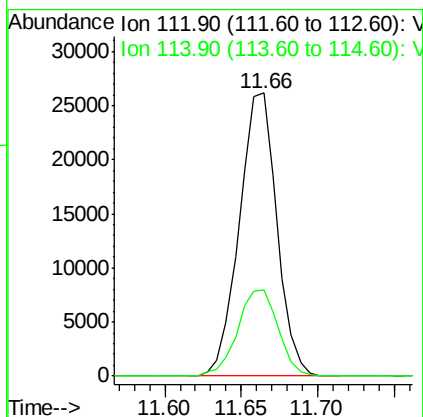
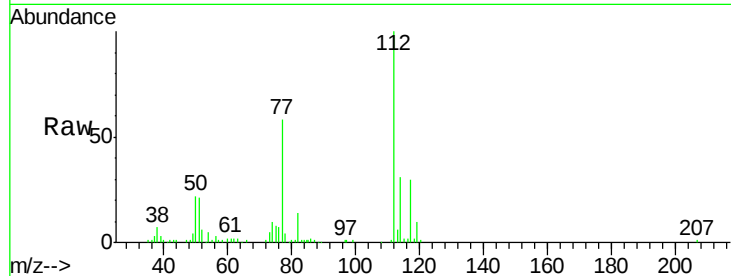
#65
Chlorobenzene
Concen: 4.94 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 44599
Ion Ratio Lower Upper
112 100
114 30.6 25.2 37.8

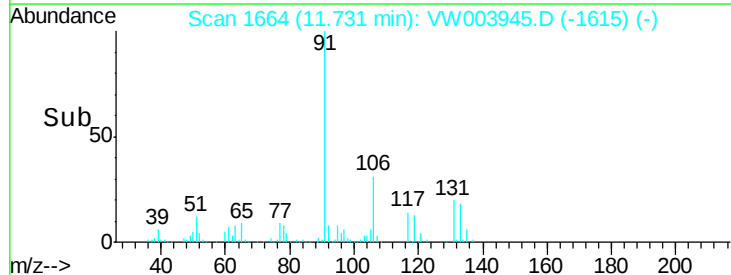
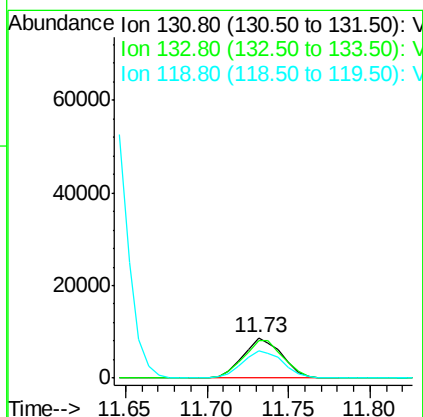
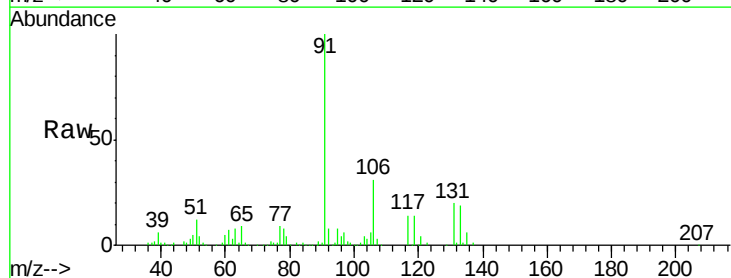
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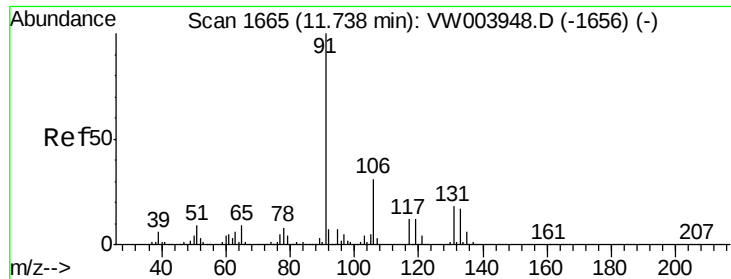
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.56 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion:131 Resp: 14428
Ion Ratio Lower Upper
131 100
133 97.1 47.9 143.8
119 69.6 32.5 97.5





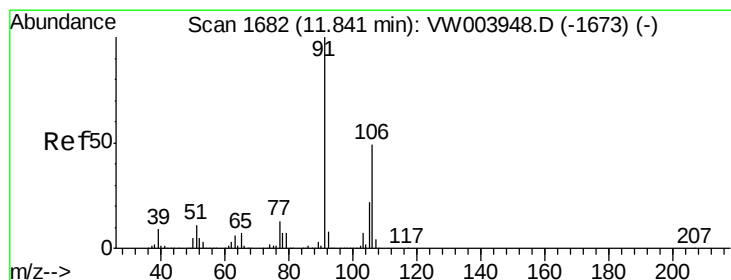
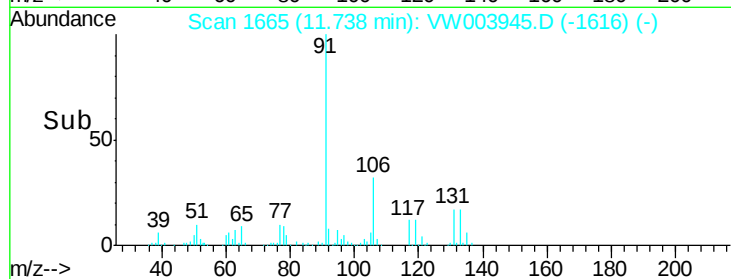
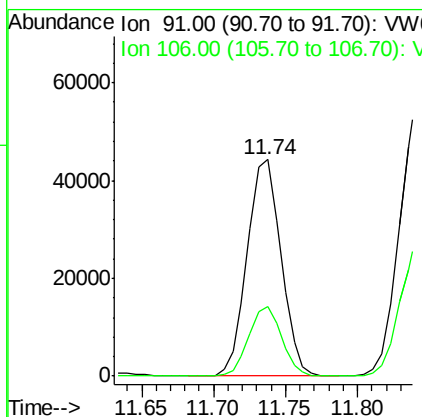
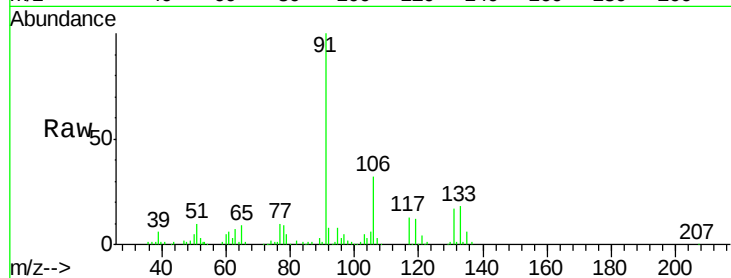
#67
Ethyl Benzene
Concen: 4.67 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 72270
Ion Ratio Lower Upper
91 100
106 32.2 25.0 37.4

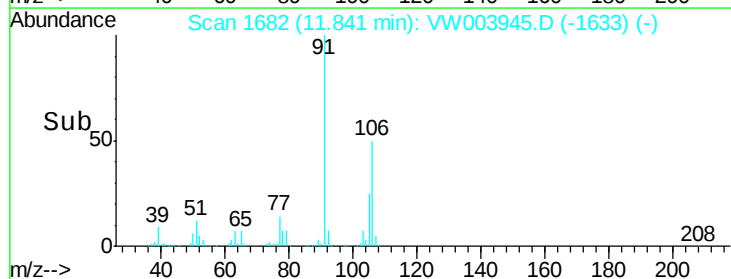
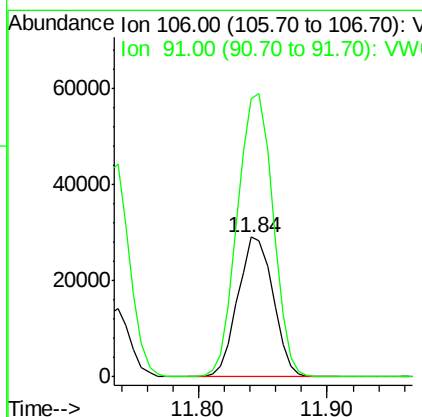
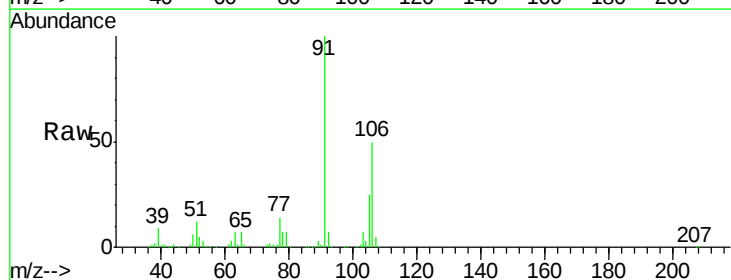
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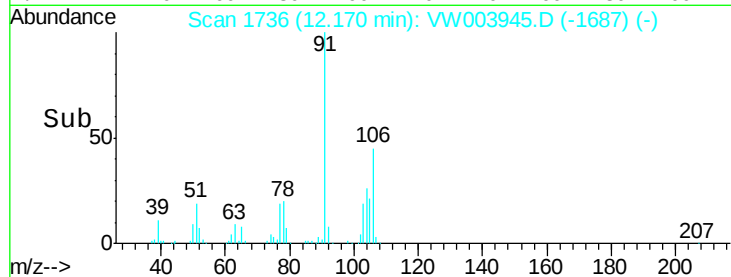
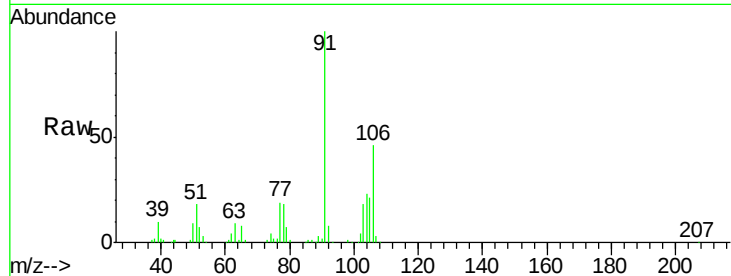
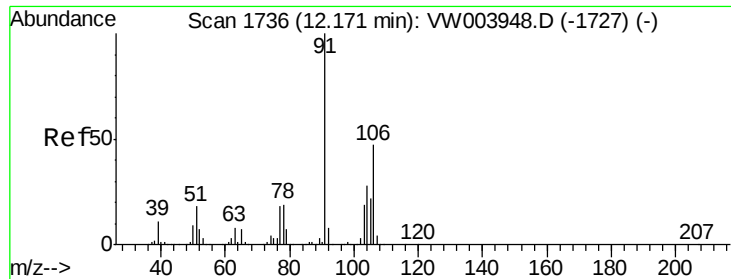
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#68
m/p-Xylenes
Concen: 9.39 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion: 106 Resp: 55588
Ion Ratio Lower Upper
106 100
91 204.1 164.2 246.2





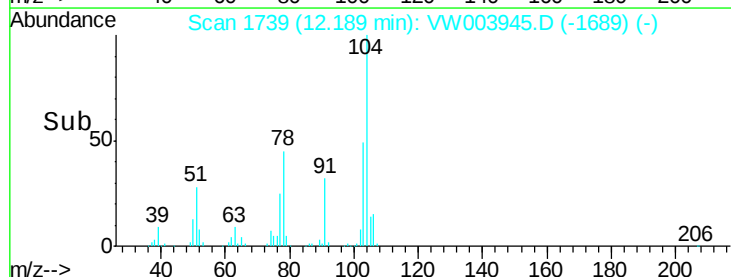
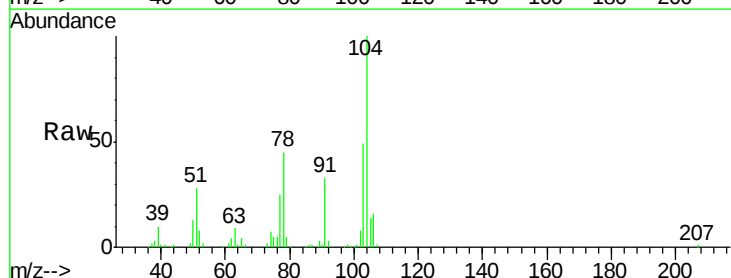
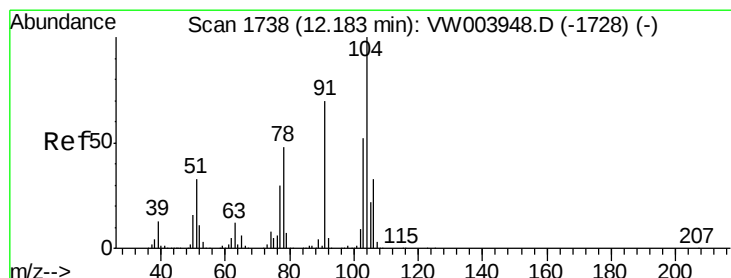
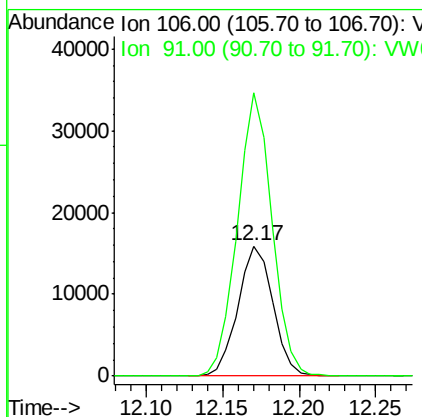
#69
o-Xylene
Concen: 4.63 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tot Ion:106 Resp: 25297
Ion Ratio Lower Upper
106 100
91 214.8 107.5 322.6

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

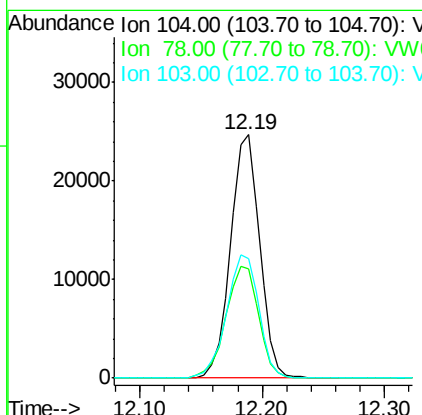
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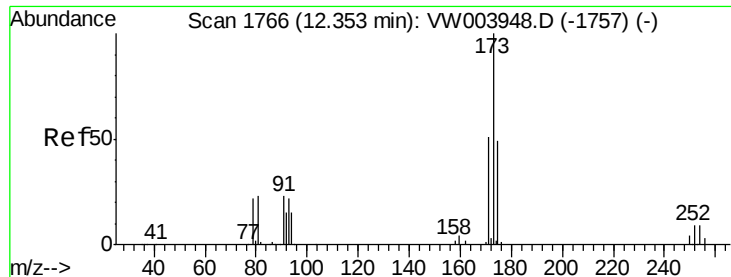
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#70
Styrene
Concen: 4.39 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion:104 Resp: 40633
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.4
103 56.0 44.6 67.0





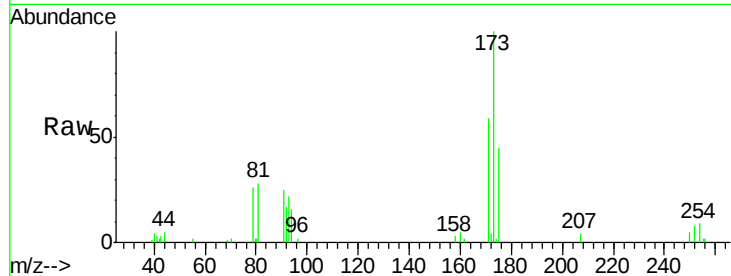
#71
Bromoform
Concen: 4.39 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

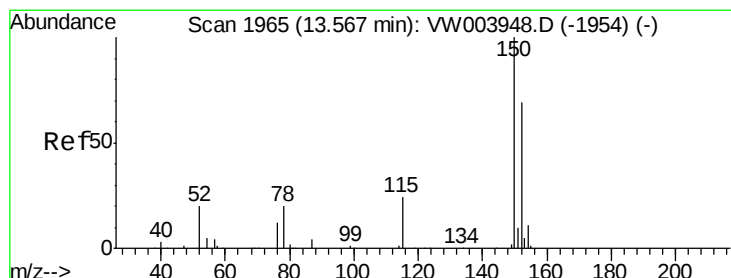
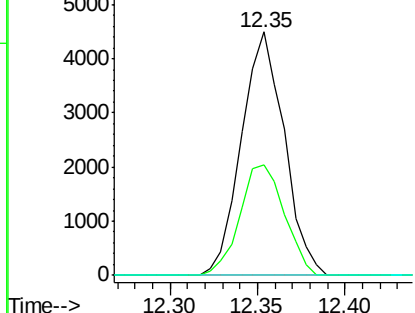
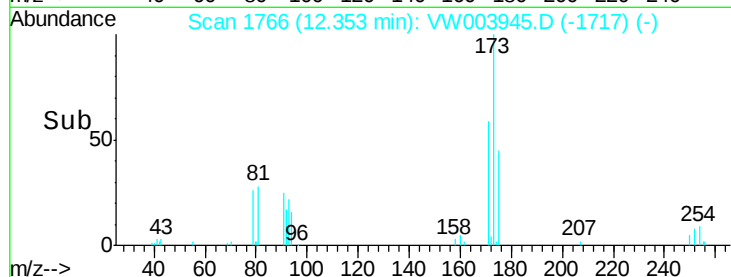
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.4	73.2
254	0.0	0.1	0.1

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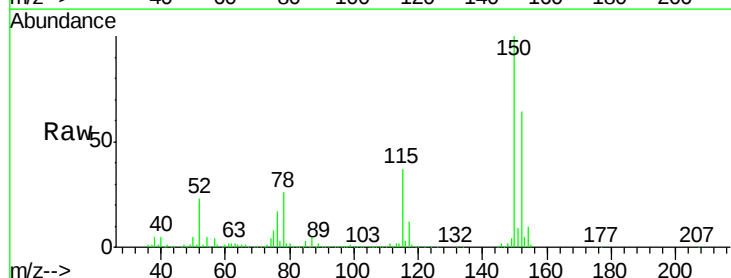


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

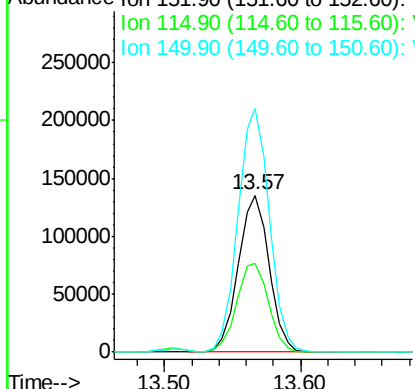
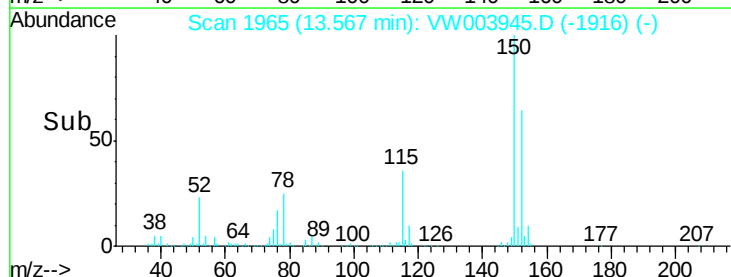


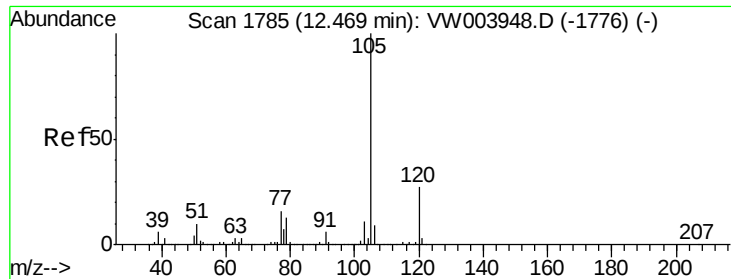
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.2	87.6
150	158.5	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: 4.91 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 71003

Ion Ratio Lower Upper

105 100

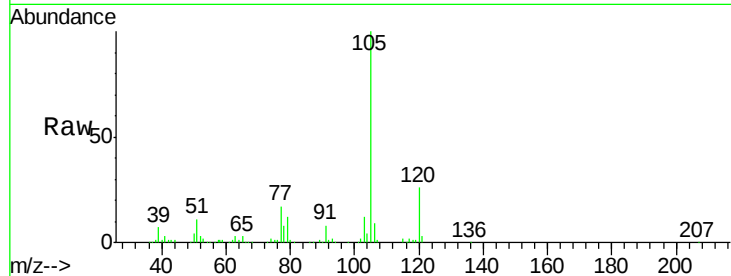
120 26.2 13.2 39.6

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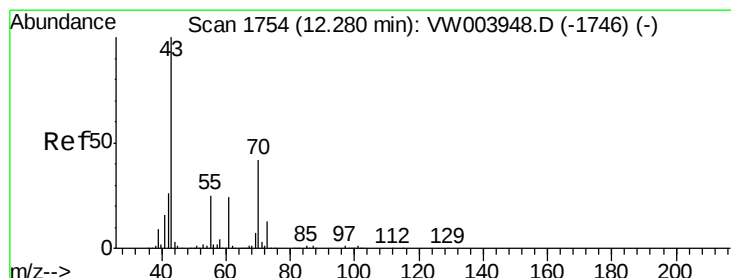
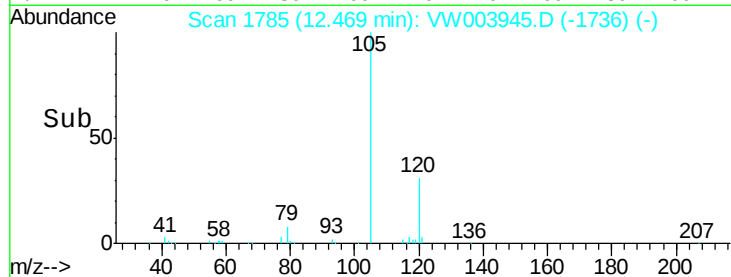
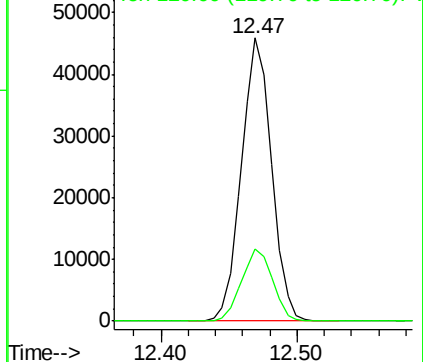
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.03 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Tgt Ion: 43 Resp: 15690

Ion Ratio Lower Upper

43 100

70 40.5 31.6 47.4

55 29.1 20.0 30.0

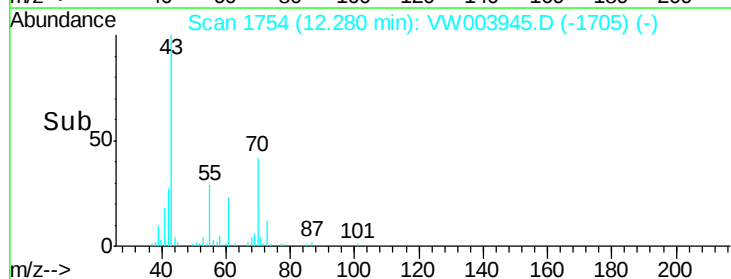
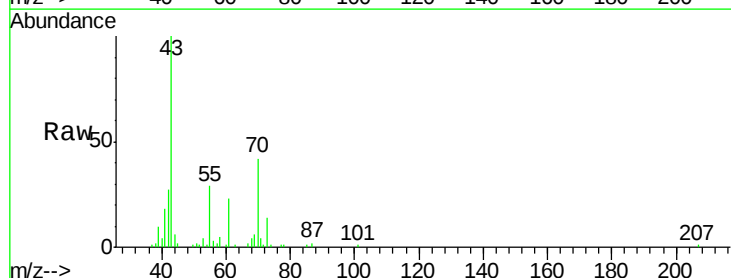
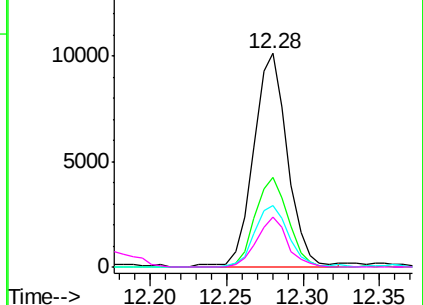
61 21.2 18.5 27.7

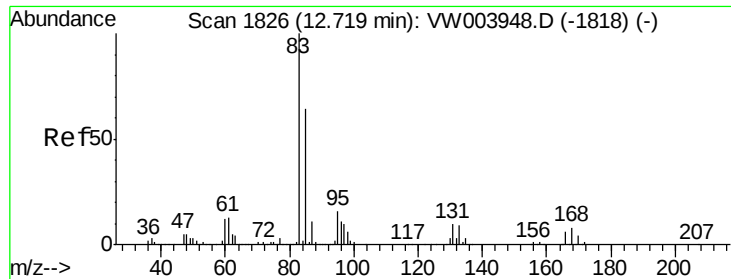
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.66 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

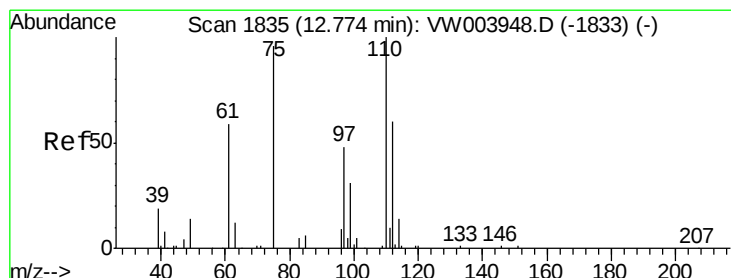
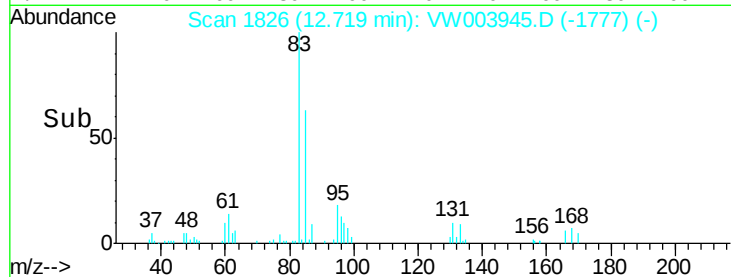
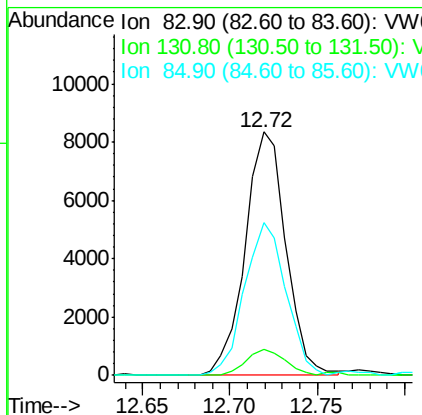
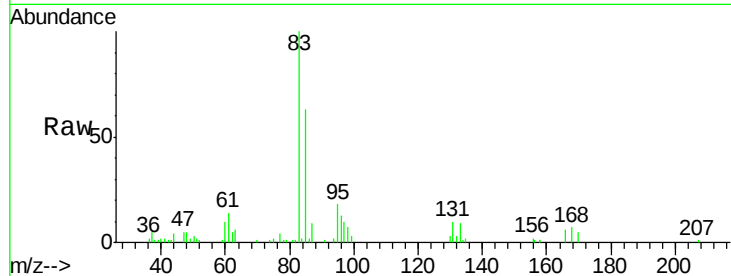
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	13580
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	63.6	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 3.93 ug/l m

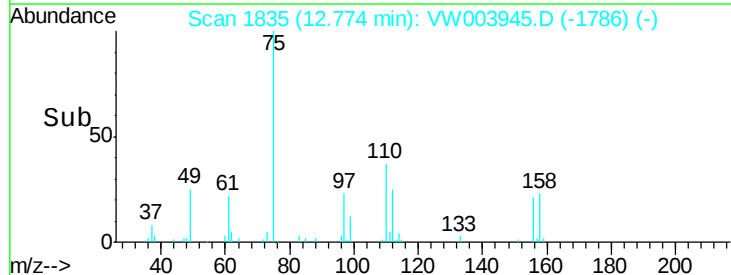
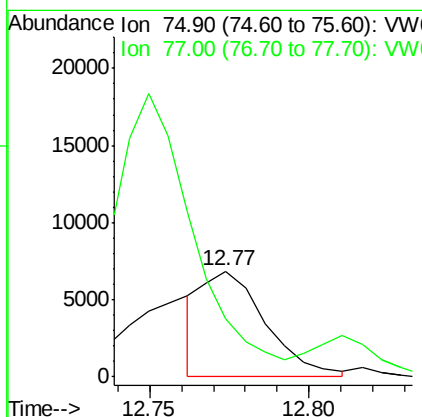
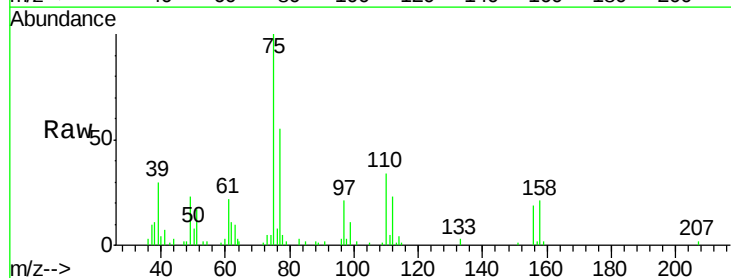
RT: 12.77 min Scan# 1835

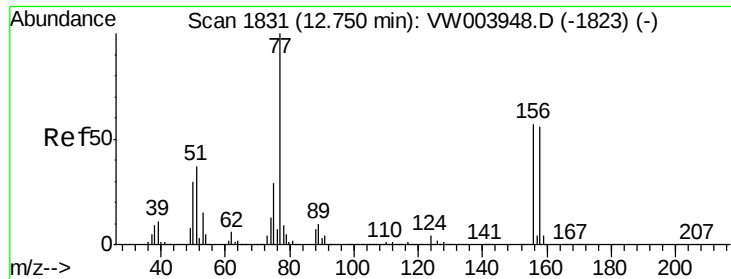
Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Tgt Ion:	75	Resp:	9518
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.95 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

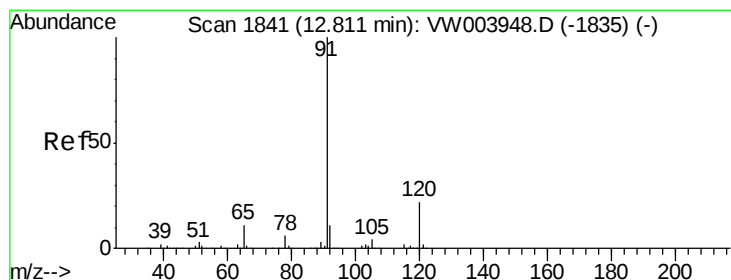
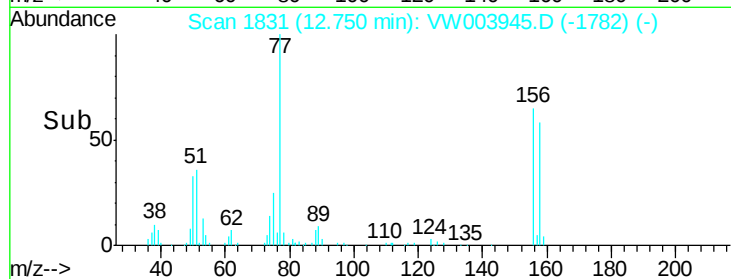
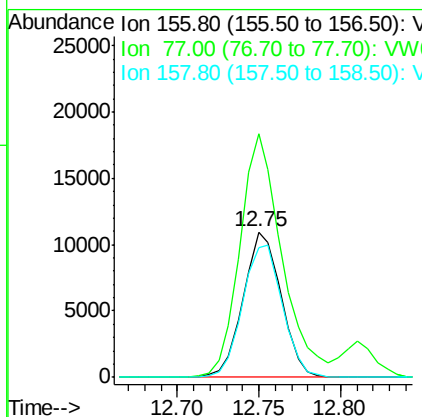
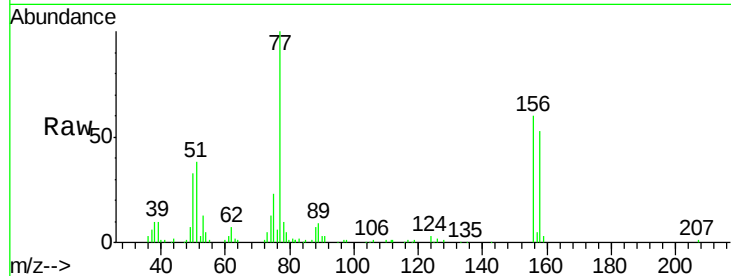
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.4	96.2	288.6
158	95.6	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 4.83 ug/l

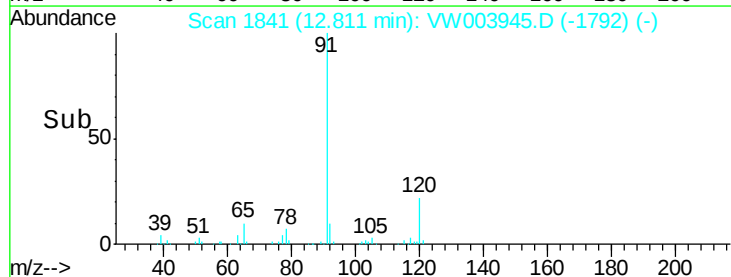
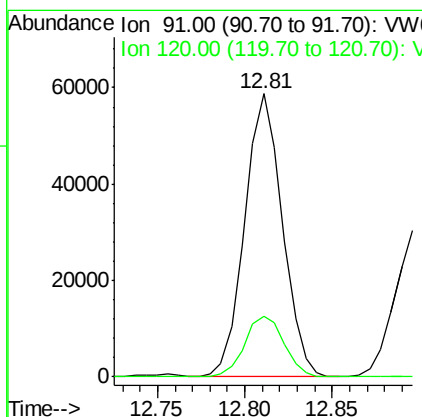
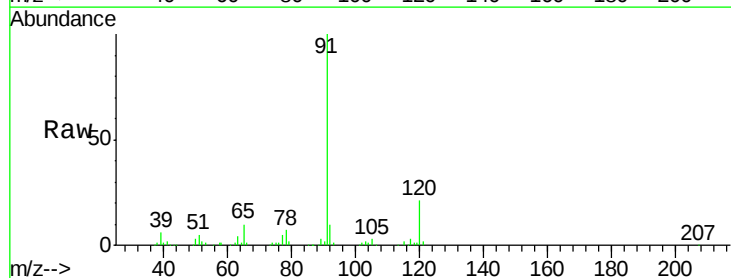
RT: 12.81 min Scan# 1841

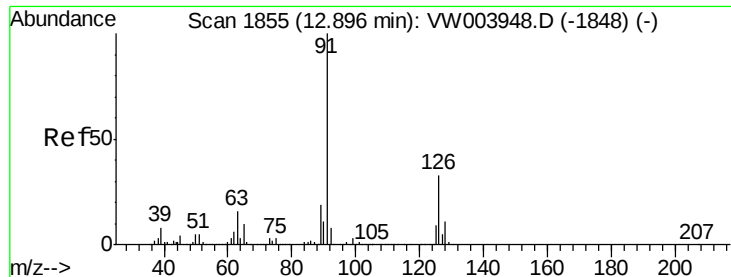
Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6





#79

2-Chlorotoluene

Concen: 4.86 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 50462

Ion Ratio Lower Upper

91 100

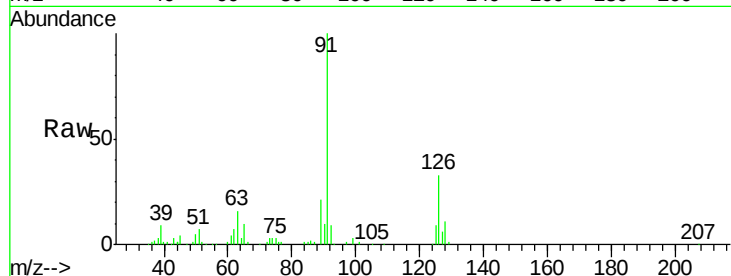
126 33.4 17.0 51.0

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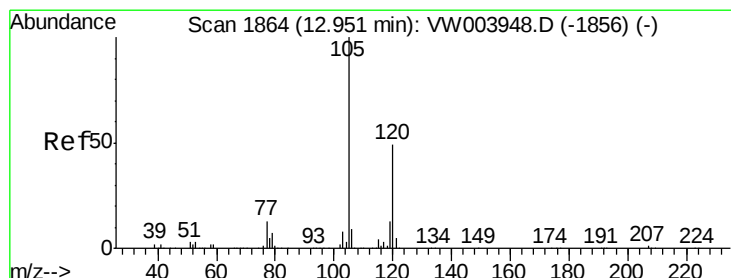
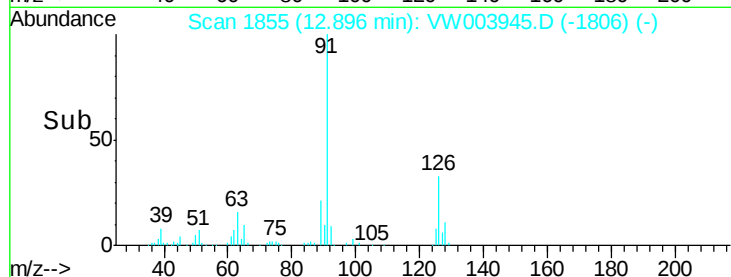
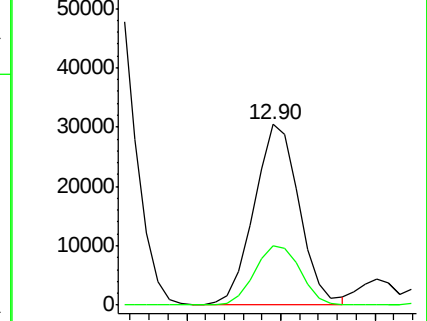
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.79 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003945.D

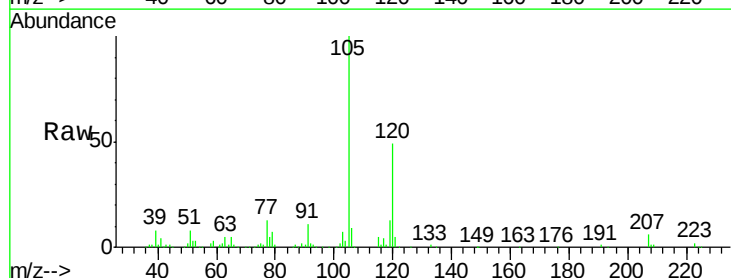
Acq: 16 Jul 2018 11:57

Tgt Ion: 105 Resp: 59604

Ion Ratio Lower Upper

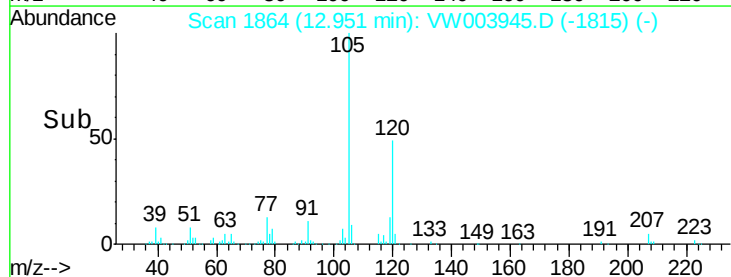
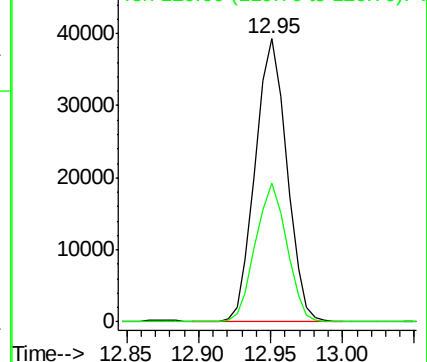
105 100

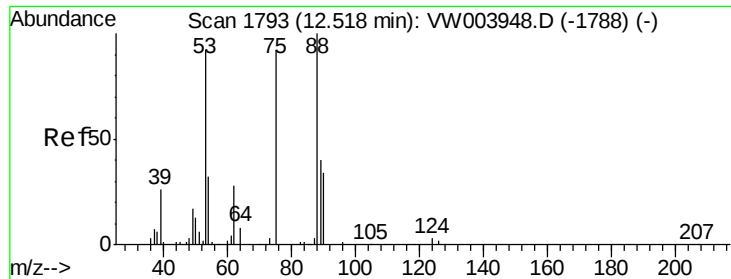
120 48.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.74 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

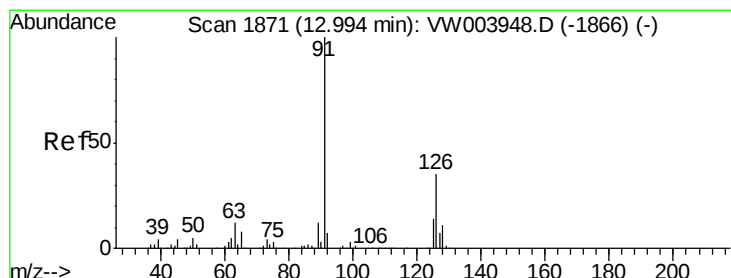
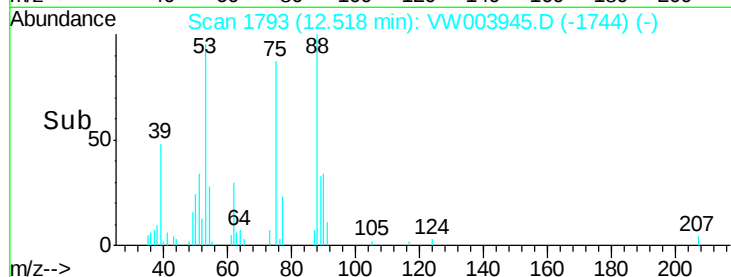
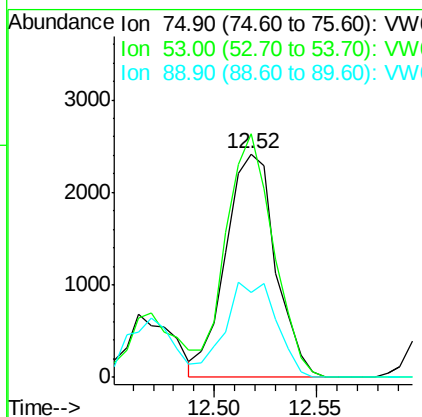
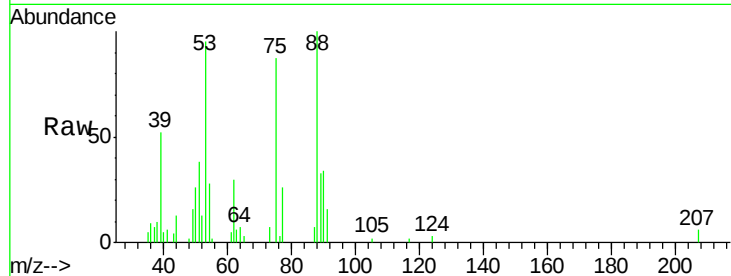
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	4095
Ion	Ratio	Lower	Upper
75	100		
53	104.3	77.6	116.4
89	44.1	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.99 ug/l

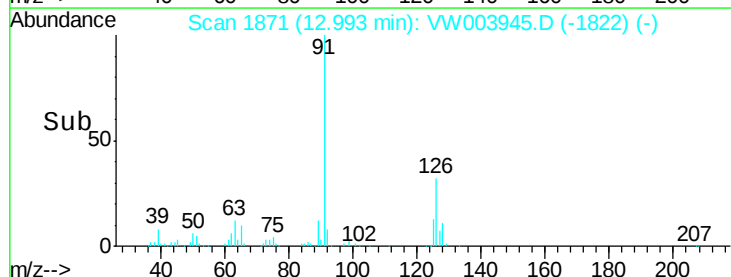
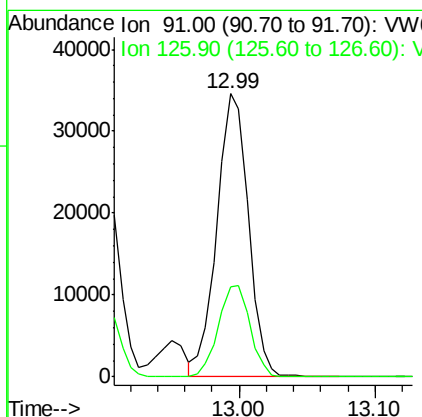
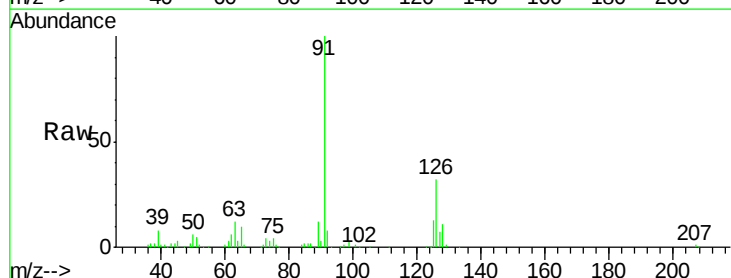
RT: 12.99 min Scan# 1871

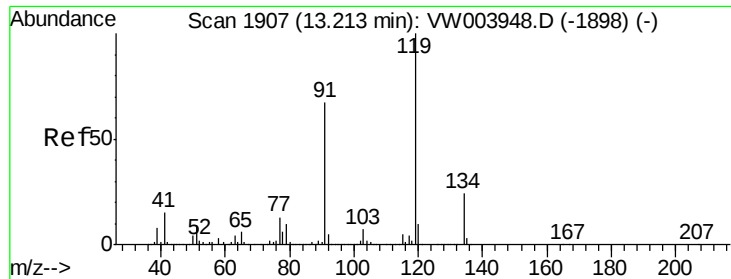
Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Tgt Ion:	91	Resp:	55649
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.7	50.0





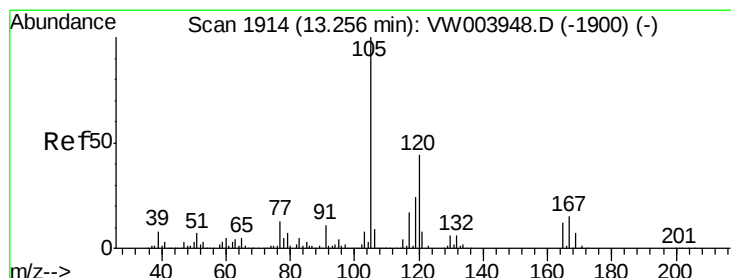
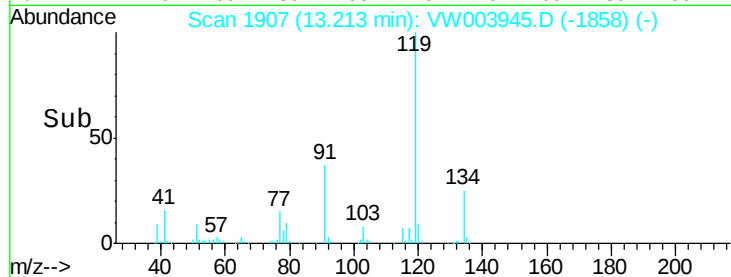
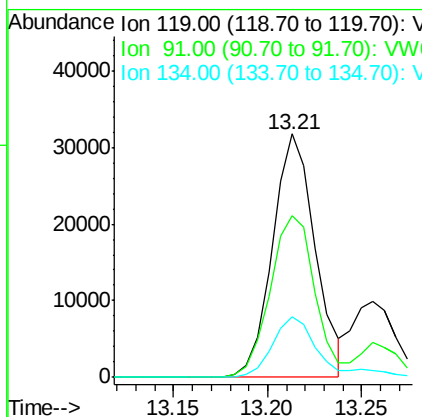
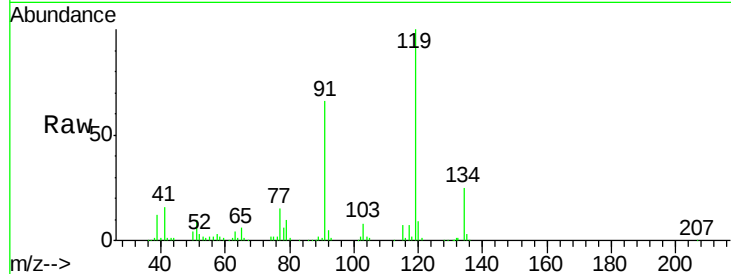
#83
tert-Butylbenzene
Concen: 4.84 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.2	33.2	99.6
134	25.0	13.0	38.9

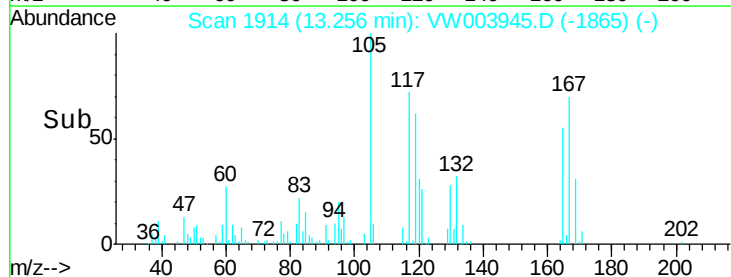
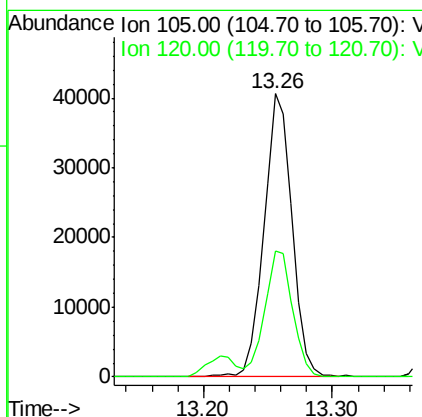
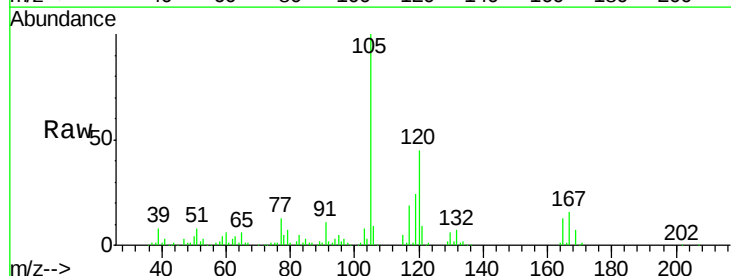
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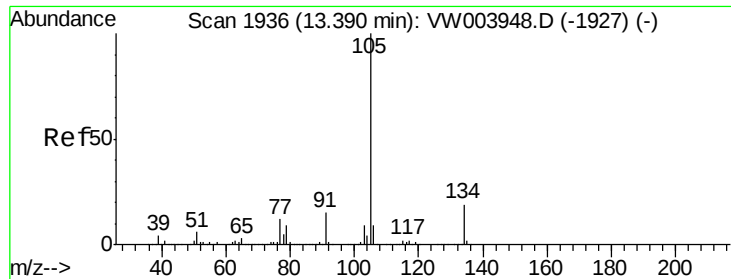
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 4.73 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1





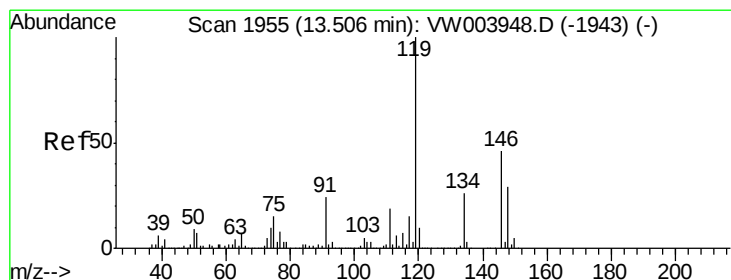
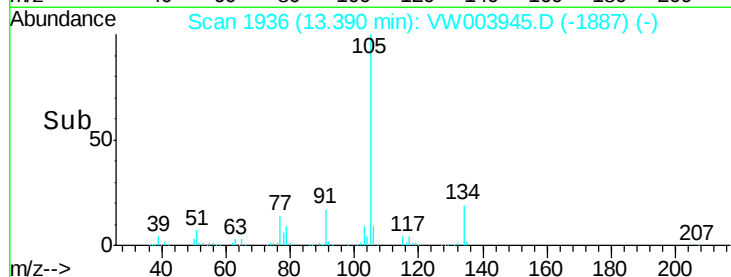
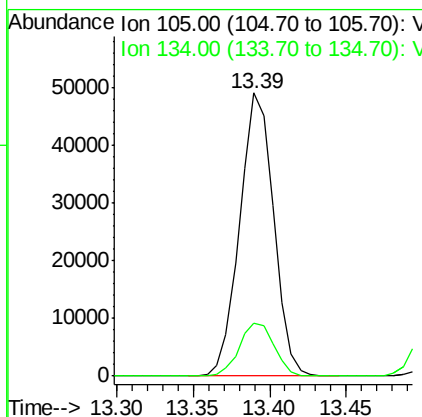
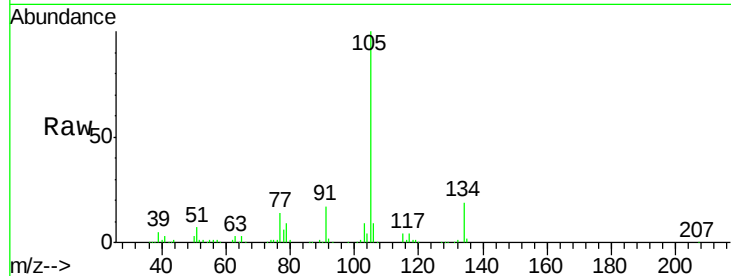
#85
 sec-Butylbenzene
 Concen: 4.91 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

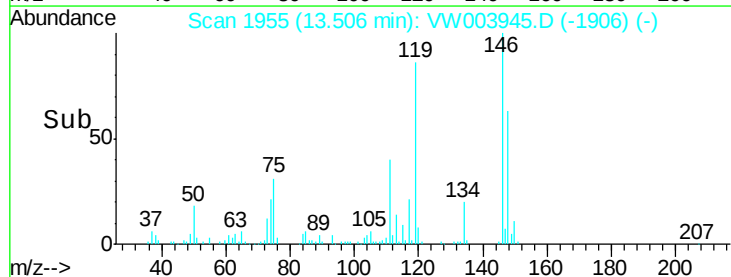
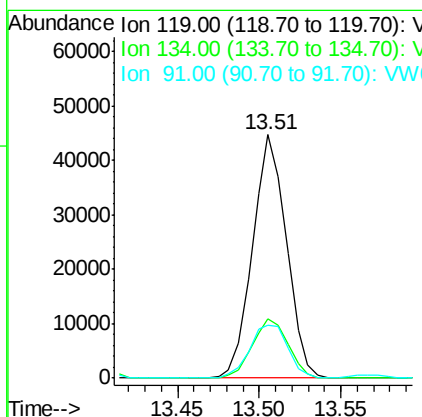
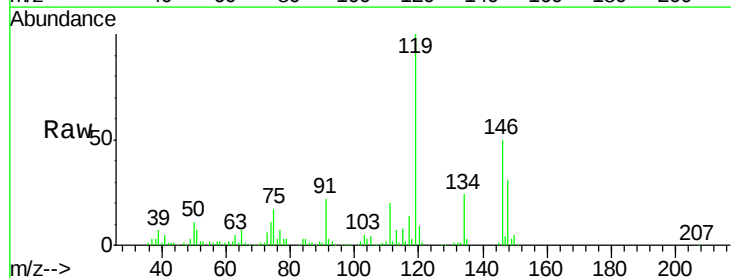
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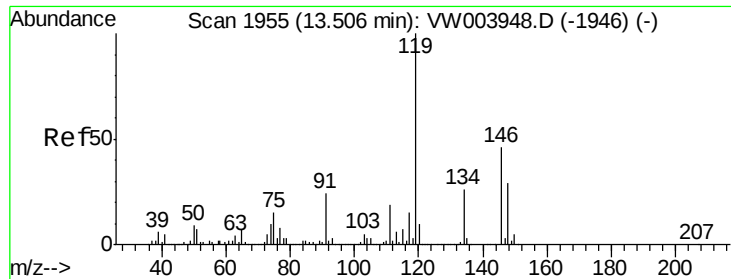
apatel
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#86
 p-Isopropyltoluene
 Concen: 4.82 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	25.0	11.8	35.3





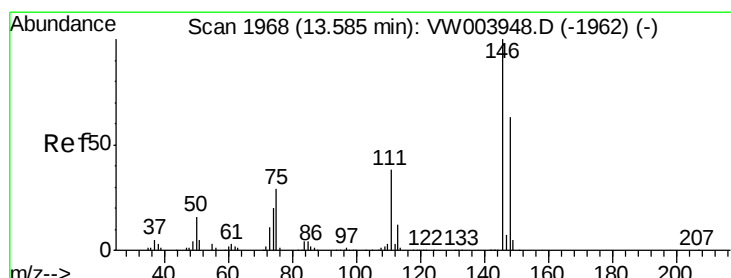
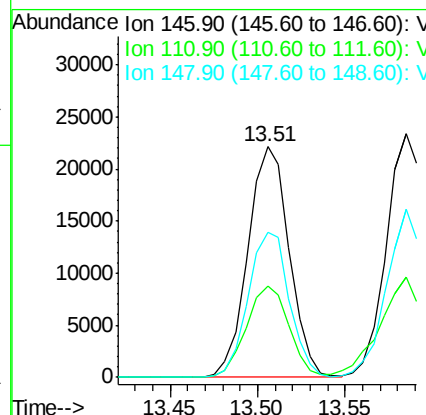
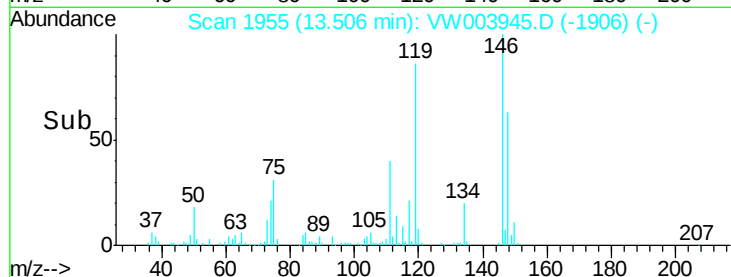
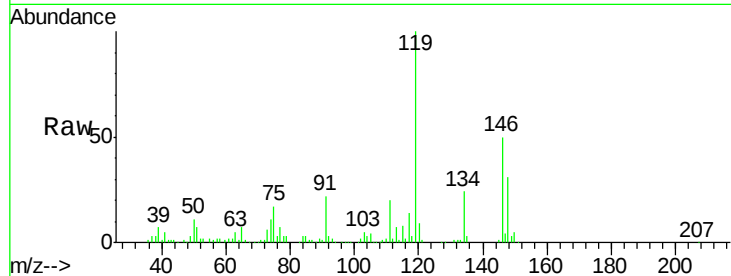
#87
1,3-Dichlorobenzene
Concen: 5.02 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.9	59.6
148	62.6	31.9	95.5

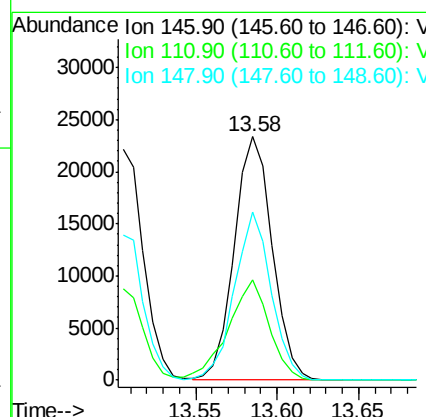
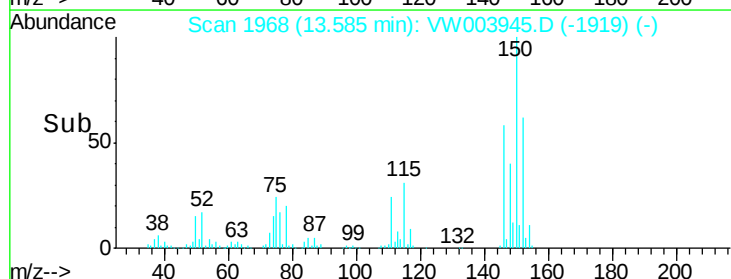
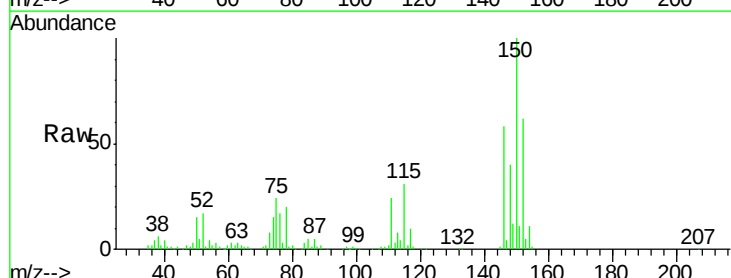
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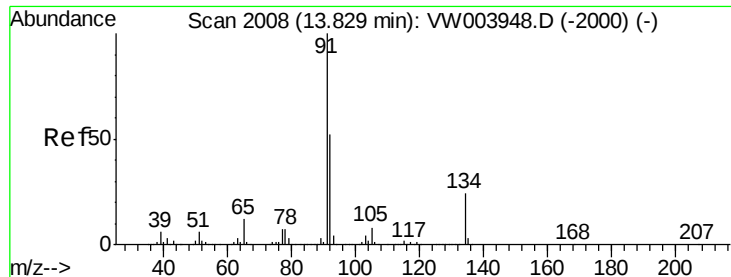
apatel
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#88
1,4-Dichlorobenzene
Concen: 5.21 ug/l
RT: 13.58 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	19.6	58.7
148	67.0	32.3	96.8





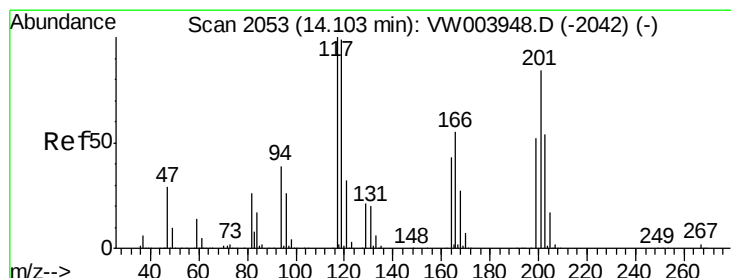
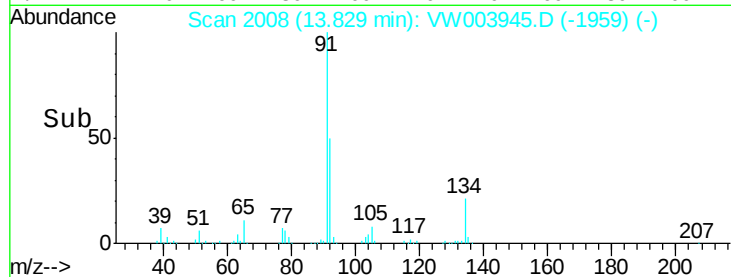
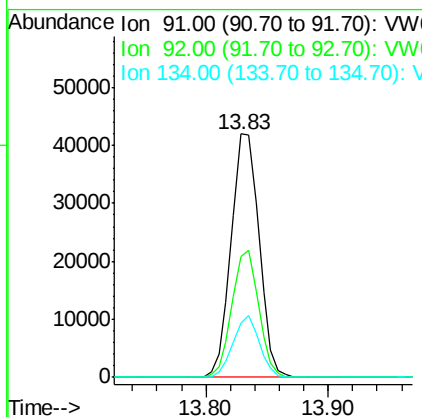
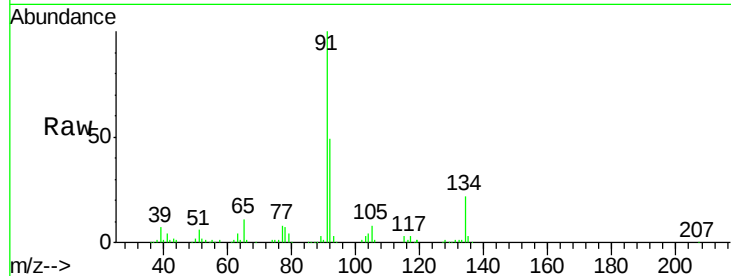
#89
n-Butylbenzene
Concen: 5.01 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.8	26.1	78.3
134	23.7	12.4	37.4

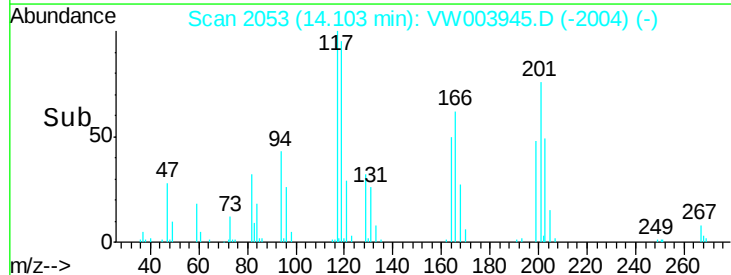
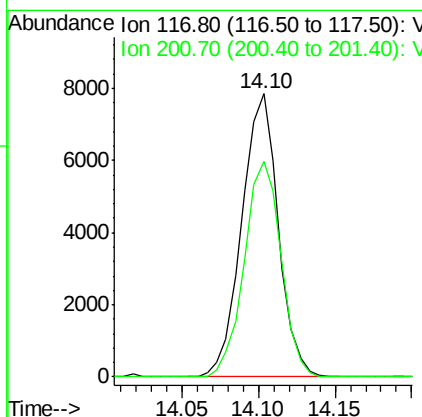
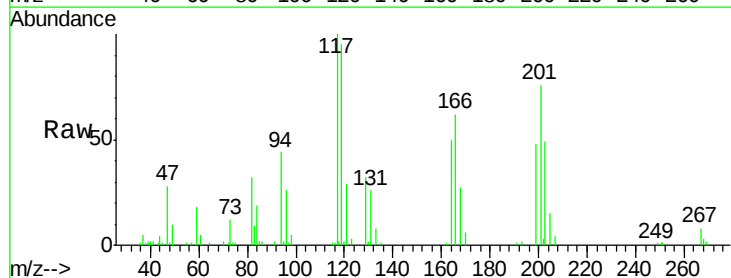
Manual Integrations
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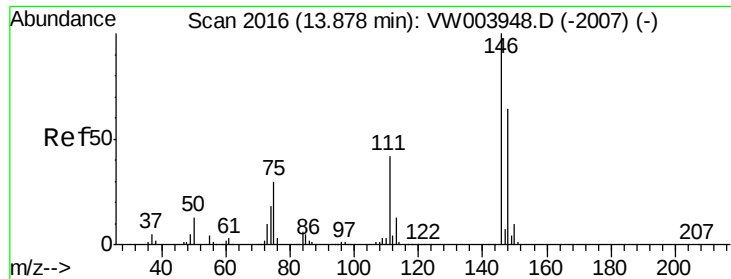
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#90
Hexachloroethane
Concen: 5.04 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.7	40.3	120.9





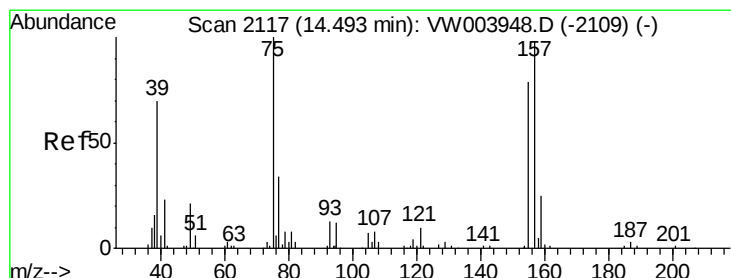
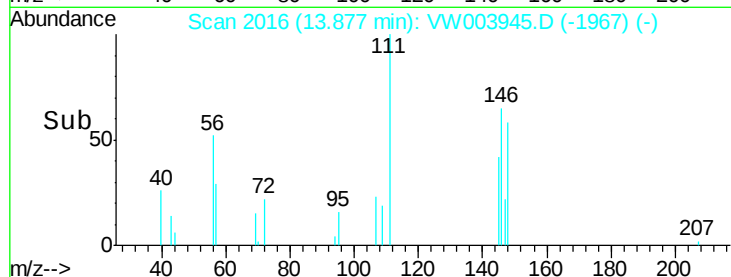
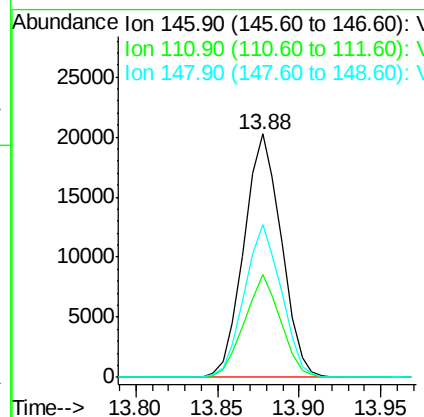
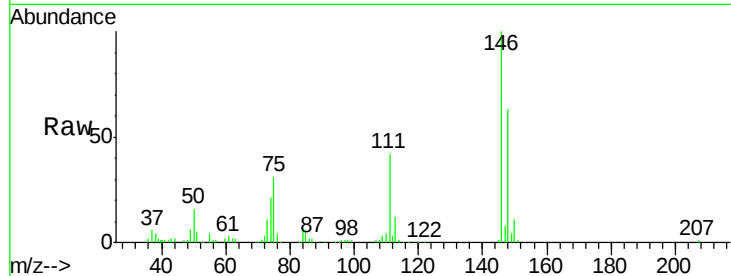
#91
 1,2-Dichlorobenzene
 Concen: 4.98 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.7	62.1
148	62.3	32.0	96.2

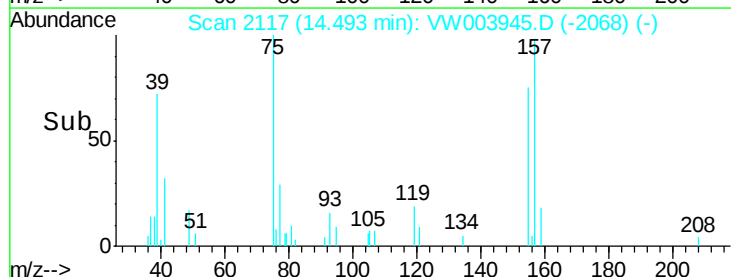
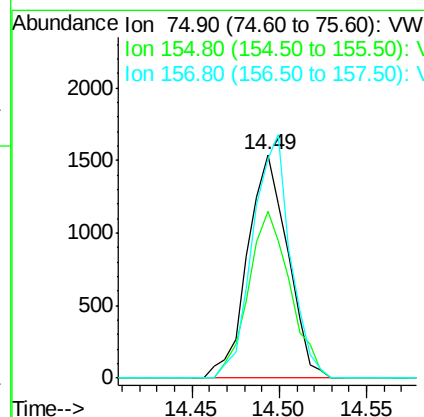
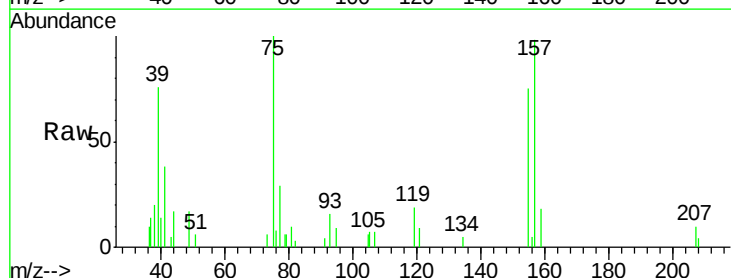
Manual Integrations
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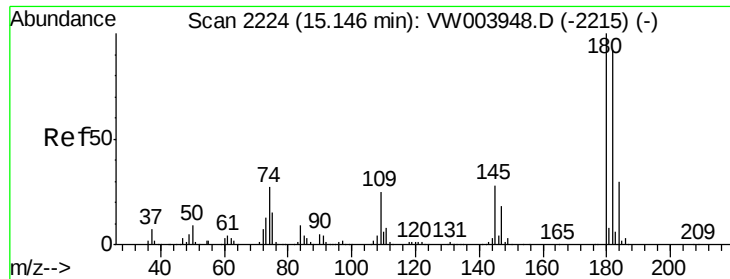
apatel
 7/17/2018 10:10:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.89 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	39.4	118.1
157	102.2	51.8	155.4





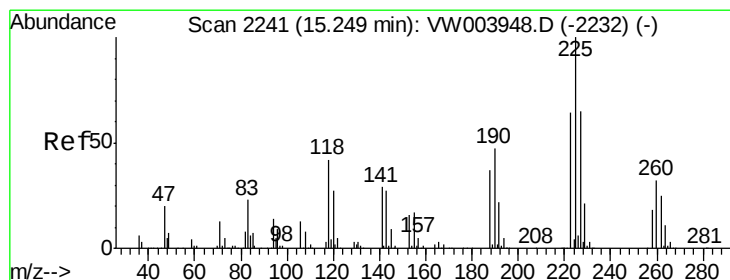
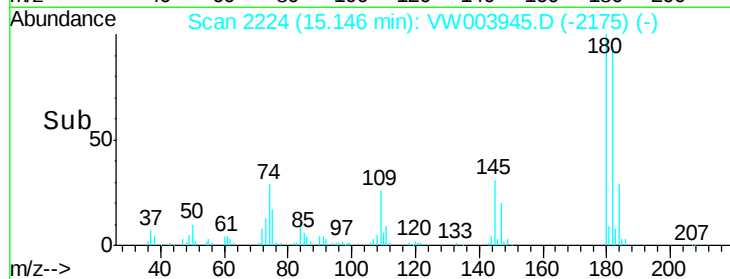
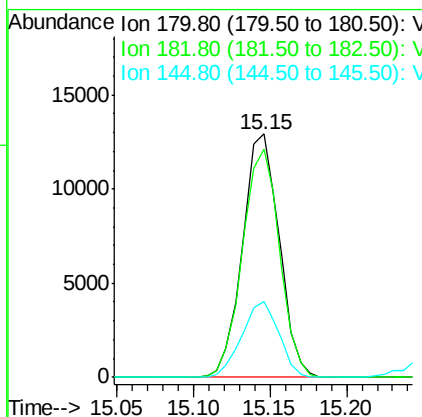
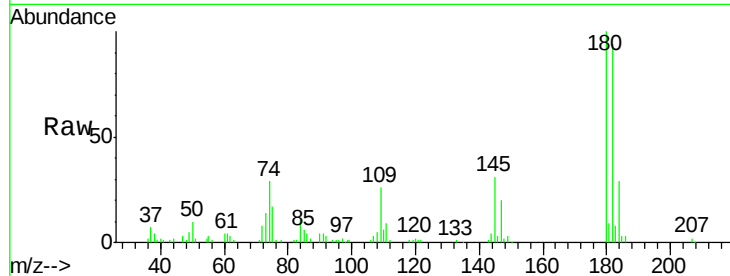
#93
 1,2,4-Trichlorobenzene
 Concen: 4.89 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.9	140.8
145	31.5	15.0	45.0

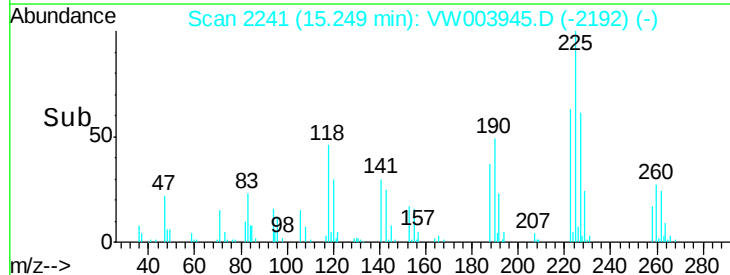
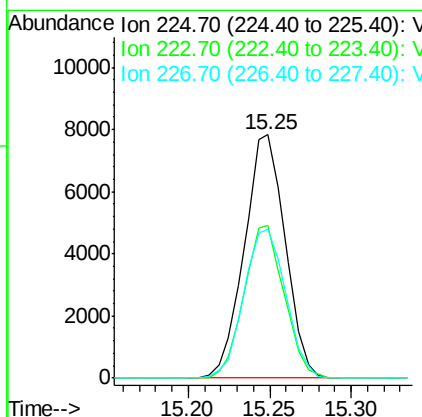
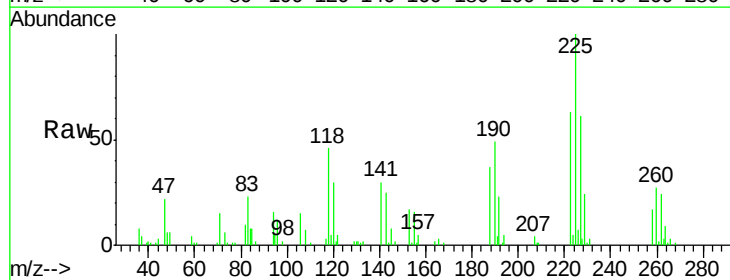
Manual Integrations
 APPROVED

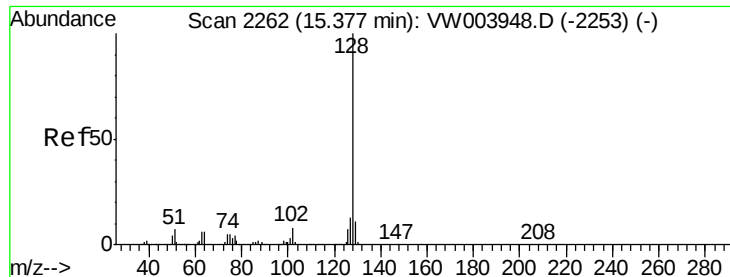
apatel
 7/17/2018 10:10:55 AM



#94
 Hexachlorobutadiene
 Concen: 5.38 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.0	96.2
227	62.7	32.3	96.9





#95

Naphthalene

Concen: 4.38 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

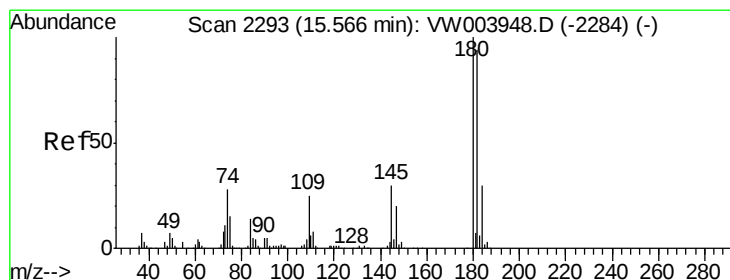
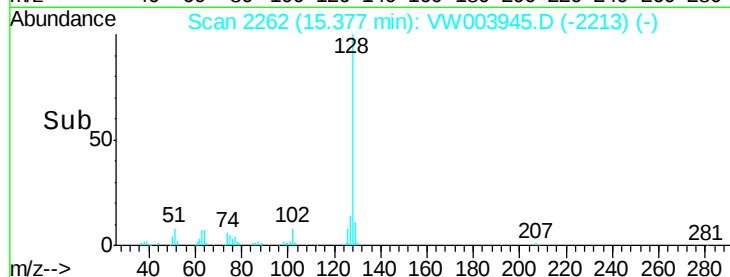
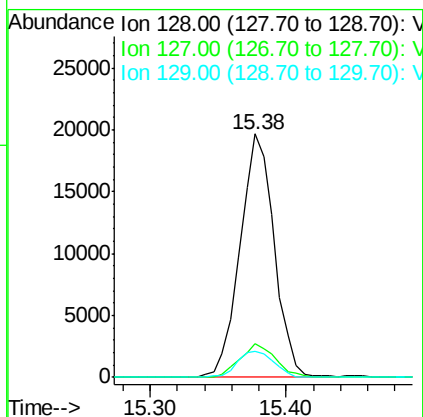
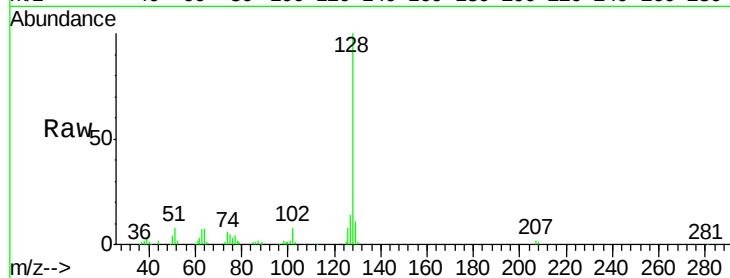
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	34455
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.7	16.1
129	11.6	8.7	13.1

Manual Integrations
APPROVED

apatel
7/17/2018 10:10:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.94 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Tgt Ion:	180	Resp:	19486
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.5	142.6
145	31.2	15.8	47.4

