

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012519\
 Data File : VW008407.D
 Acq On : 25 Jan 2019 13:29
 Operator : SY/VA
 Sample : VW0125SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0125SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:45:46 PM

Quant Time: Jan 28 02:03:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	508239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	779701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	683287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	345785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	246713	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	7.88	113	246786	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
50) Toluene-d8	10.32	98	989526	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
62) 4-Bromofluorobenzene	12.62	95	356160	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35740	14.630	ug/l	98
3) Chloromethane	2.21	50	63643	15.341	ug/l	94
4) Vinyl Chloride	2.37	62	87924	16.649	ug/l	99
5) Bromomethane	2.78	94	58696	17.231	ug/l	95
6) Chloroethane	2.92	64	56505	17.495	ug/l	95
7) Trichlorofluoromethane	3.25	101	62644	17.074	ug/l	98
8) Diethyl Ether	3.67	74	38928	15.359	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	80401	17.491	ug/l	98
10) Methyl Iodide	4.26	142	122878	16.924	ug/l	99
11) Tert butyl alcohol	5.16	59	30270	75.300	ug/l #	84
12) 1,1-Dichloroethene	4.02	96	78184	16.806	ug/l	99
13) Acrolein	3.88	56	34766	100.567	ug/l	97
14) Allyl chloride	4.66	41	140343	15.887	ug/l	99
15) Acrylonitrile	5.36	53	81521	74.486	ug/l	99
16) Acetone	4.12	43	86515	77.160	ug/l	97
17) Carbon Disulfide	4.37	76	245532	16.526	ug/l	99
18) Methyl Acetate	4.67	43	42066	14.066	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	120154	15.611	ug/l	96
20) Methylene Chloride	4.91	84	82698	16.002	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	85739	16.394	ug/l	99
22) Diisopropyl ether	6.31	45	254274	15.188	ug/l	99
23) Vinyl Acetate	6.25	43	725354	73.373	ug/l	99
24) 1,1-Dichloroethane	6.21	63	152751	16.119	ug/l	99
25) 2-Butanone	7.17	43	110777	71.130	ug/l	100
26) 2,2-Dichloropropane	7.16	77	108664	16.964	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	92010	16.142	ug/l	99
28) Bromochloromethane	7.51	49	77667	17.844	ug/l	97
29) Tetrahydrofuran	7.52	42	70200	71.130	ug/l	98
30) Chloroform	7.67	83	149748	16.065	ug/l	98
31) Cyclohexane	7.95	56	155867	15.906	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	133236	16.549	ug/l	98
36) 1,1-Dichloropropene	8.08	75	126588	17.187	ug/l	98
37) Ethyl Acetate	7.25	43	47496	14.576	ug/l #	95
38) Carbon Tetrachloride	8.07	117	130925	17.665	ug/l	98

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Manual Integrations
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 1/28/2019 12:45:46 PM

Quant Time: Jan 28 02:03:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	163024	16.849	ug/l	98
40) Benzene	8.32	78	343558	16.810	ug/l	97
41) Methacrylonitrile	7.48	41	29560	15.321	ug/l	97
42) 1,2-Dichloroethane	8.40	62	94304	15.923	ug/l	97
43) Isopropyl Acetate	8.42	43	100766	14.885	ug/l	99
44) Trichloroethene	9.09	130	95545	17.192	ug/l	97
45) 1,2-Dichloropropane	9.37	63	83384	16.363	ug/l	99
46) Dibromomethane	9.46	93	43482	16.590	ug/l	98
47) Bromodichloromethane	9.64	83	112201	16.185	ug/l	98
48) Methyl methacrylate	9.43	41	50738	15.328	ug/l	94
49) 1,4-Dioxane	9.44	88	13552	305.898	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	242424	72.485	ug/l	100
52) Toluene	10.38	92	224340	16.629	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	118062	16.005	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	134427	16.058	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	56965	15.669	ug/l	97
56) Ethyl methacrylate	10.65	69	76452	15.008	ug/l	97
57) 1,3-Dichloropropane	10.93	76	104476	16.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	211698	85.533	ug/l	98
59) 2-Hexanone	10.97	43	172867	73.216	ug/l	100
60) Dibromochloromethane	11.13	129	75356	16.130	ug/l	100
61) 1,2-Dibromoethane	11.23	107	57641	15.991	ug/l	97
64) Tetrachloroethene	10.86	164	81849	17.692	ug/l	97
65) Chlorobenzene	11.66	112	242494	17.385	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	86494	17.332	ug/l	99
67) Ethyl Benzene	11.73	91	440521	17.182	ug/l	98
68) m/p-Xylenes	11.84	106	340878	34.266	ug/l	98
69) o-Xylene	12.17	106	162344	17.176	ug/l	97
70) Styrene	12.18	104	257418	16.488	ug/l	99
71) Bromoform	12.35	173	46202	16.455	ug/l	# 98
73) Isopropylbenzene	12.47	105	451238	17.504	ug/l	99
74) N-amyl acetate	12.27	43	99557	14.991	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	63566	15.575	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	49903m	16.599	ug/l	
77) Bromobenzene	12.75	156	98157	17.435	ug/l	94
78) n-propylbenzene	12.80	91	532849	17.210	ug/l	98
79) 2-Chlorotoluene	12.90	91	297318	17.017	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	372923	17.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	22958	15.083	ug/l	96
82) 4-Chlorotoluene	12.99	91	310659	16.700	ug/l	98
83) tert-Butylbenzene	13.21	119	338609	17.660	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	377407	17.233	ug/l	99
85) sec-Butylbenzene	13.39	105	473189	17.280	ug/l	99
86) p-Isopropyltoluene	13.51	119	418878	17.463	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	200222	17.610	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	195868	17.334	ug/l	99
89) n-Butylbenzene	13.83	91	403850	17.148	ug/l	99
90) Hexachloroethane	14.10	117	80864	17.239	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	171203	17.017	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11561	14.929	ug/l	96

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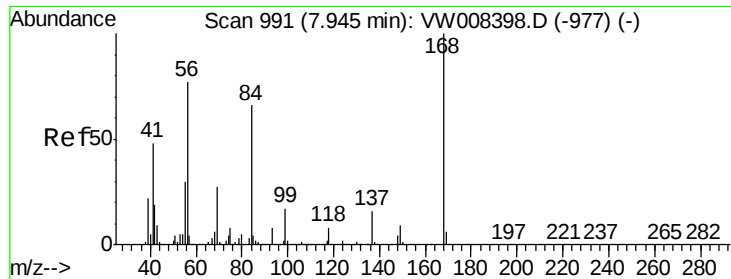
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	126935	17.681	ug/l	98
94) Hexachlorobutadiene	15.24	225	78798	18.212	ug/l	99
95) Naphthalene	15.38	128	204035	16.186	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	103590	17.010	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion:168 Resp: 508239

Ion Ratio Lower Upper

168 100

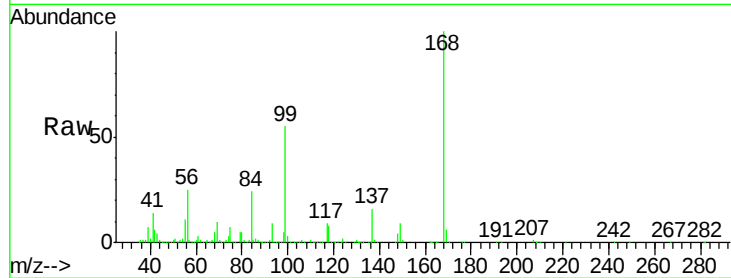
99 54.9 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

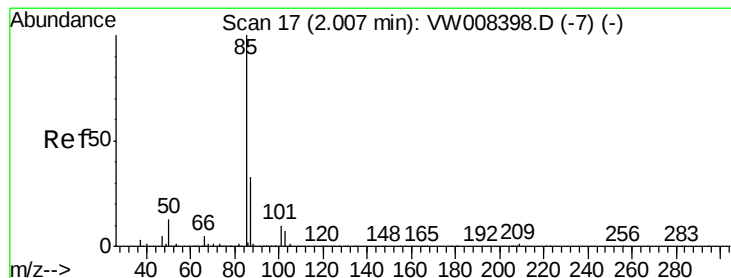
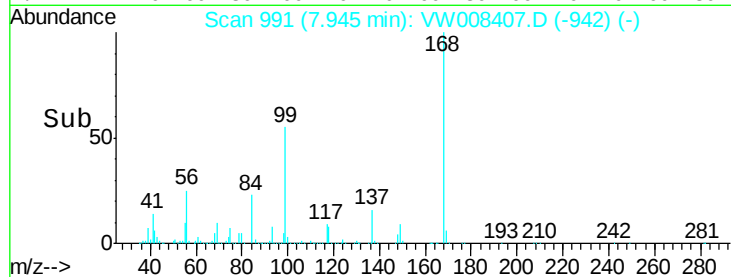
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 14.630 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008407.D

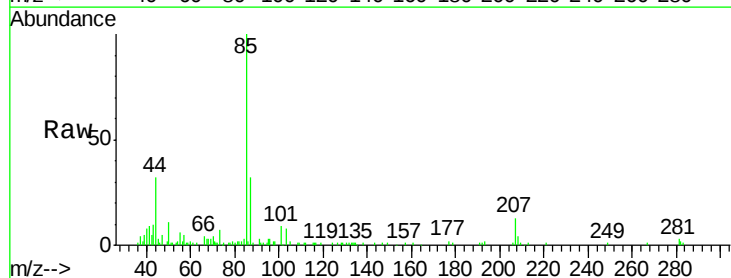
Acq: 25 Jan 2019 13:29

Tgt Ion: 85 Resp: 35740

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

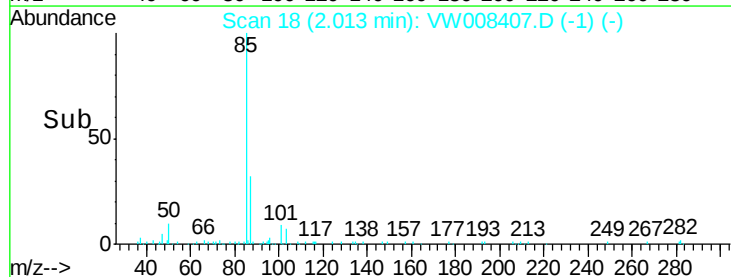
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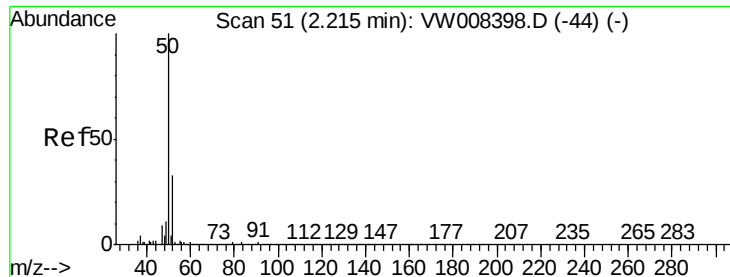
10000

5000

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Time-->





#3

Chloromethane

Concen: 15.341 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion: 50 Resp: 63643

Ion Ratio Lower Upper

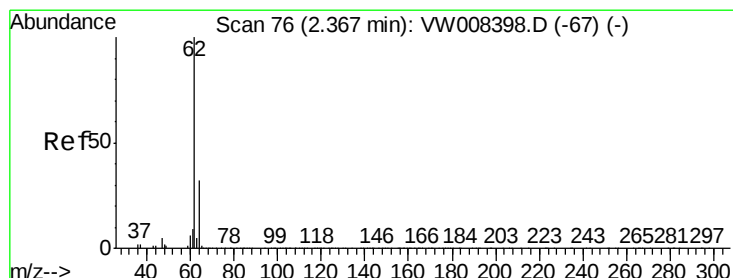
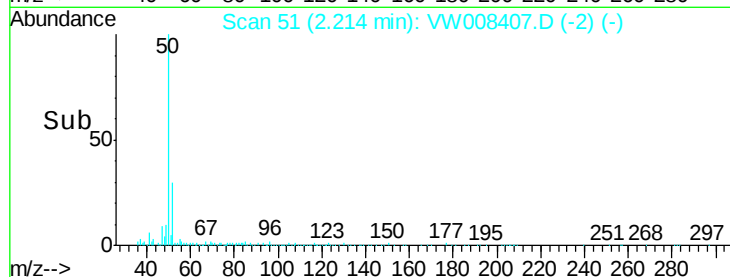
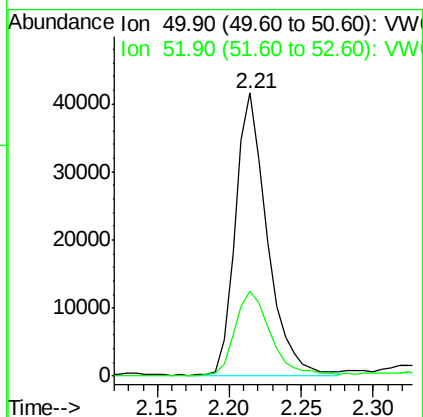
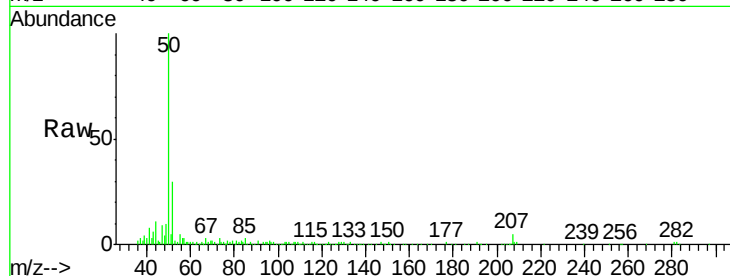
50 100

52 29.7 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.649 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008407.D

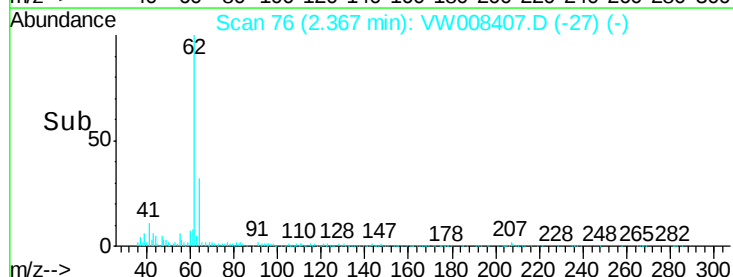
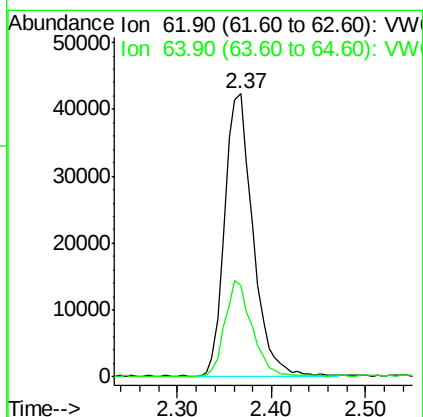
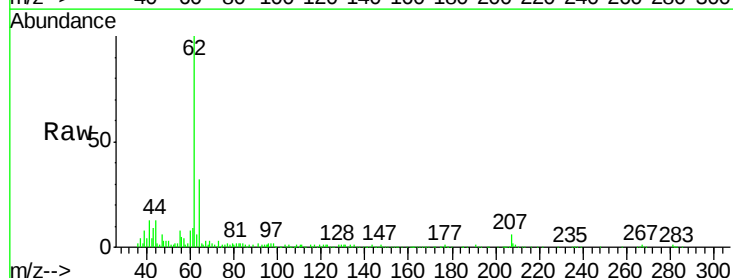
Acq: 25 Jan 2019 13:29

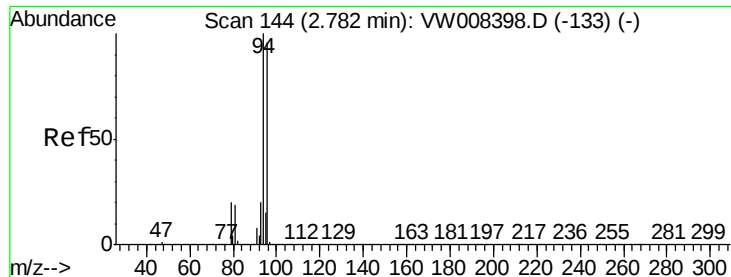
Tgt Ion: 62 Resp: 87924

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 17.231 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion: 94 Resp: 58696

Ion Ratio Lower Upper

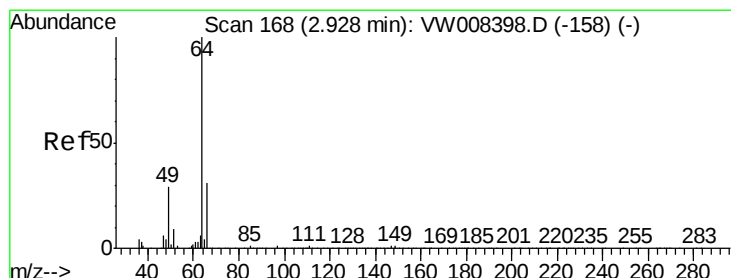
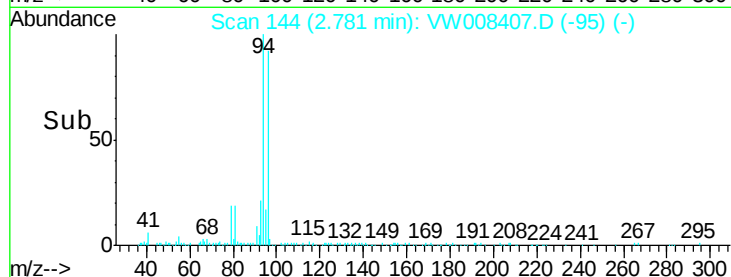
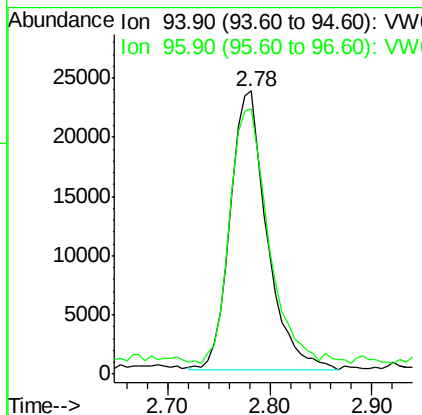
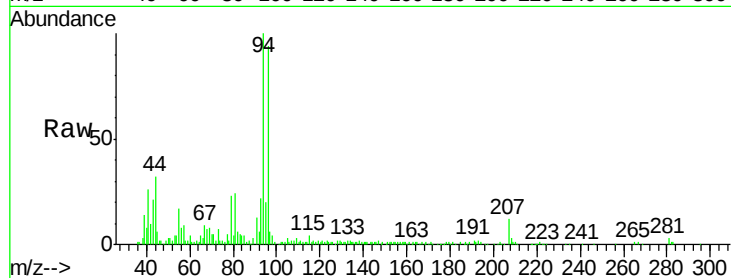
94 100

96 91.1 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 17.495 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008407.D

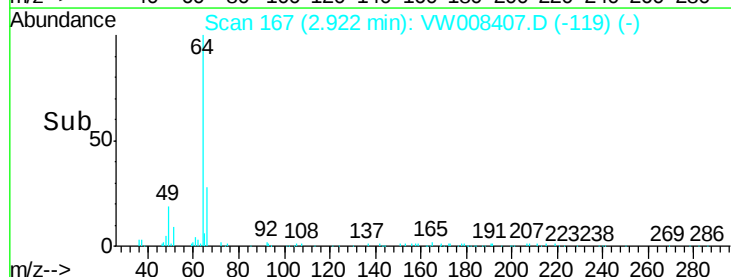
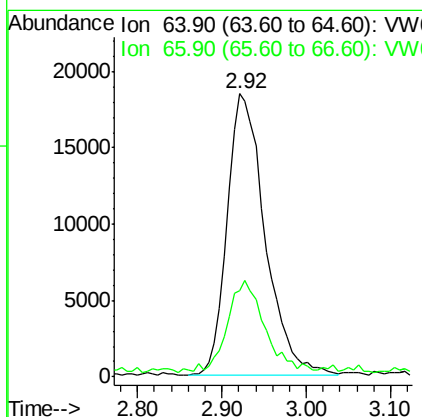
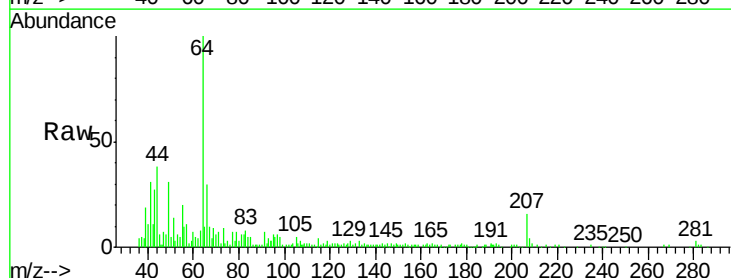
Acq: 25 Jan 2019 13:29

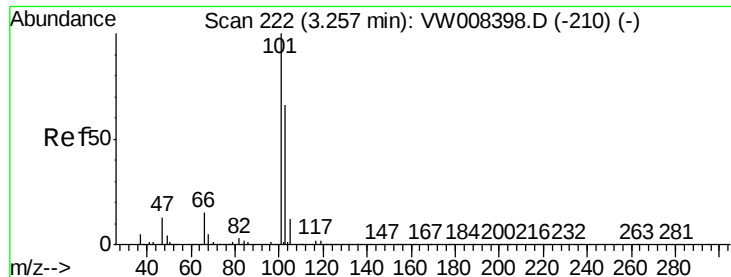
Tgt Ion: 64 Resp: 56505

Ion Ratio Lower Upper

64 100

66 28.3 24.9 37.3





#7

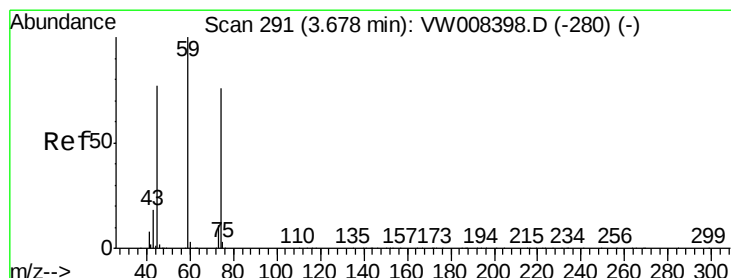
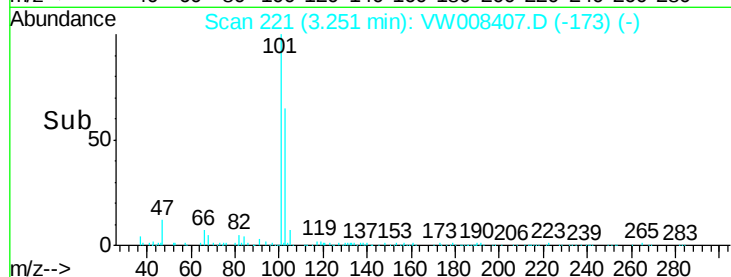
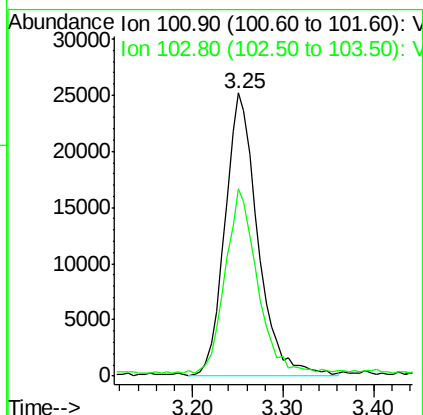
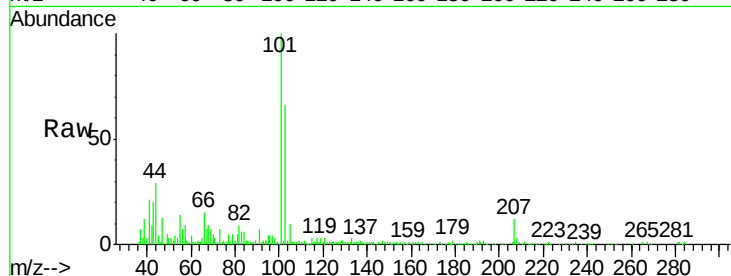
Trichlorofluoromethane
Concen: 17.074 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008407.D
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VW0125SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.5	78.7

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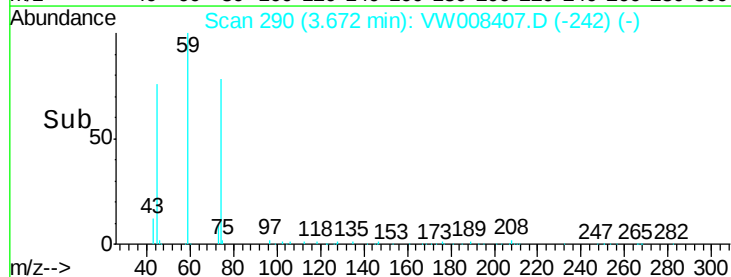
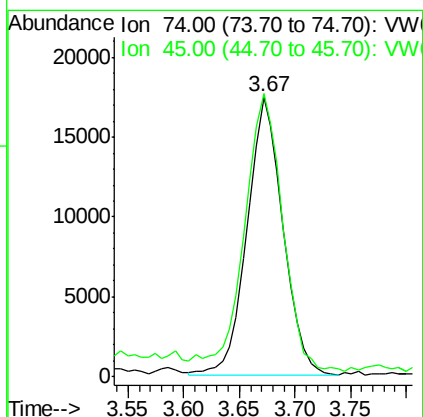
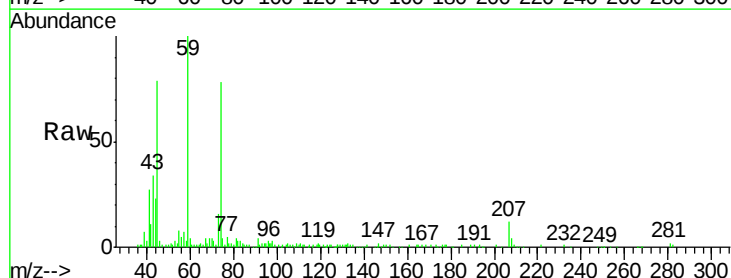
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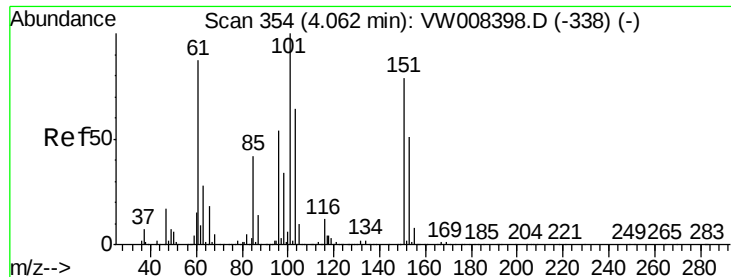


#8

Diethyl Ether
Concen: 15.359 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.491 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

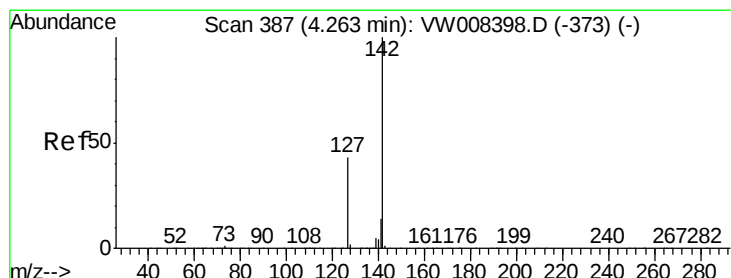
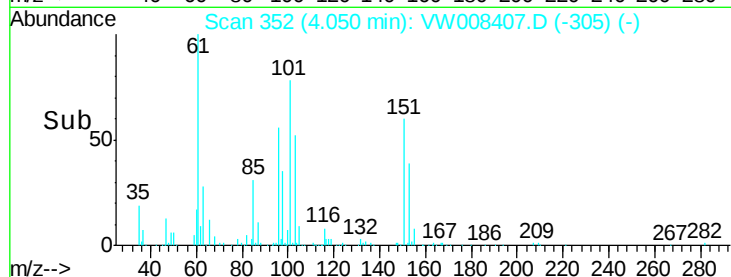
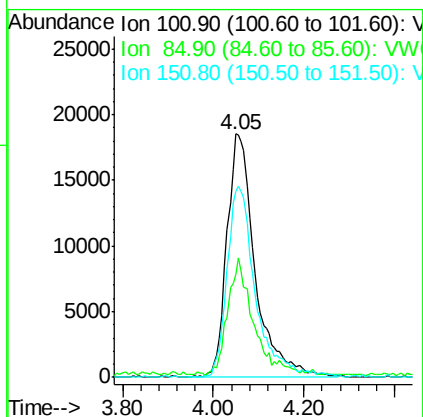
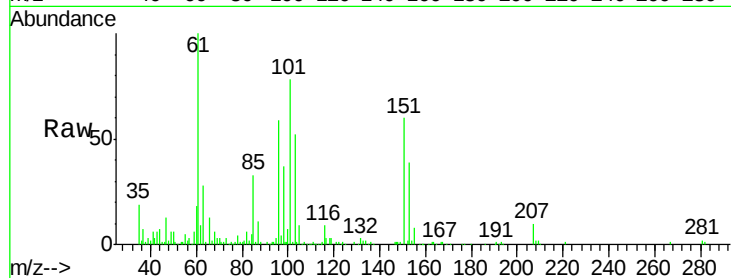
ClientSampleId :

VW0125SBS01

Tot Ion:	101	Resp:	80401
Ion Ratio	Lower	Upper	
101	100		
85	41.3	35.0	52.4
151	77.2	62.6	94.0

Manual Integrations
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#10

Methyl Iodide

Concen: 16.924 ug/l

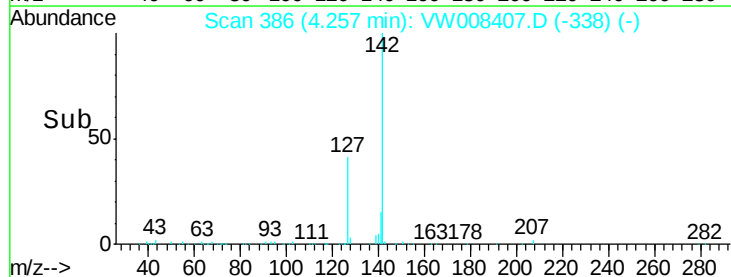
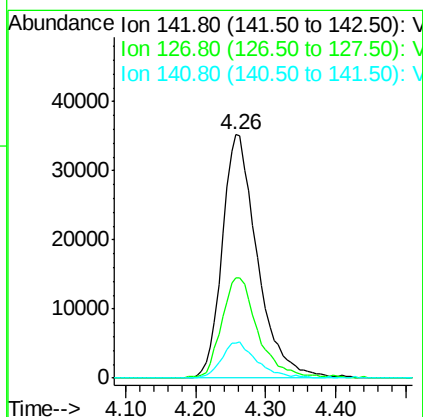
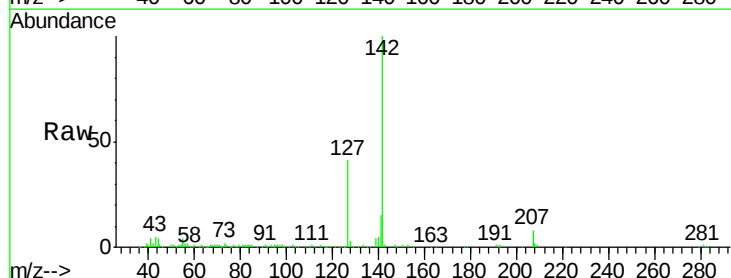
RT: 4.26 min Scan# 386

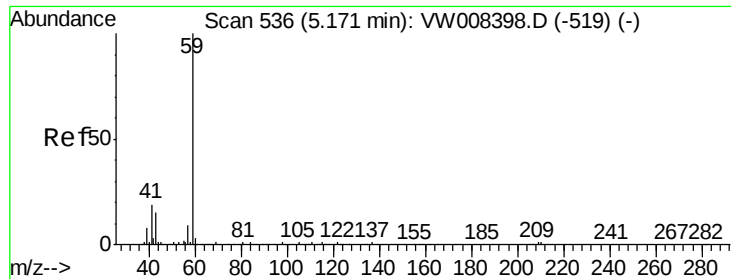
Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Tgt Ion:	142	Resp:	122878
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.6	52.0
141	14.9	11.4	17.2





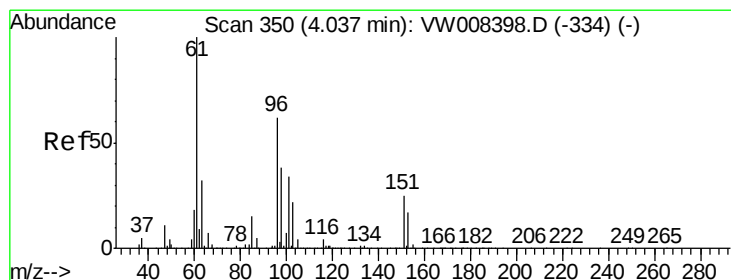
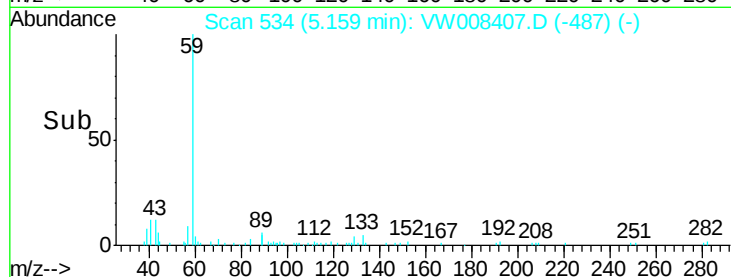
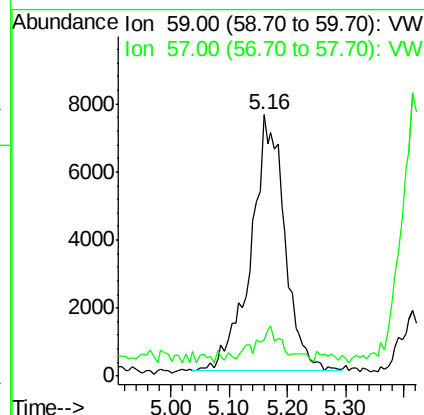
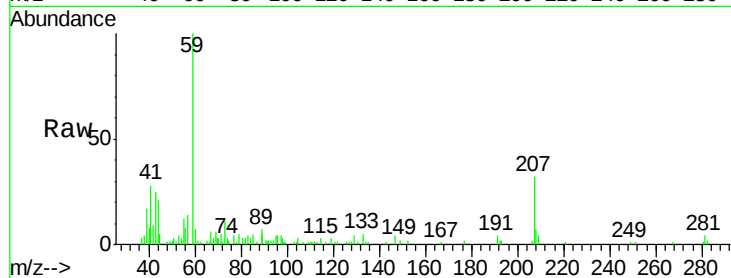
#11
Tert butyl alcohol
Concen: 75.300 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.6	9.3	13.9#

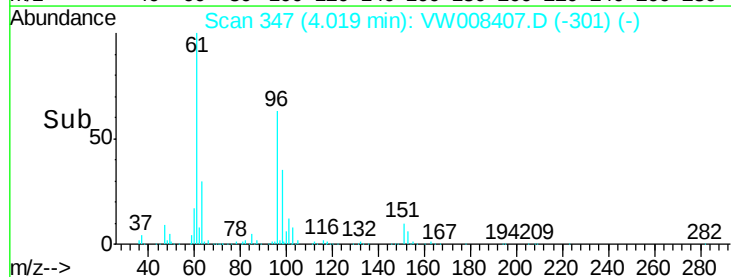
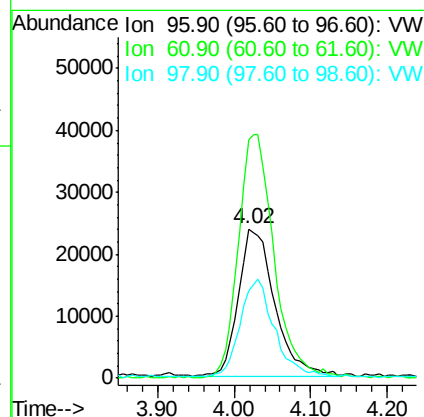
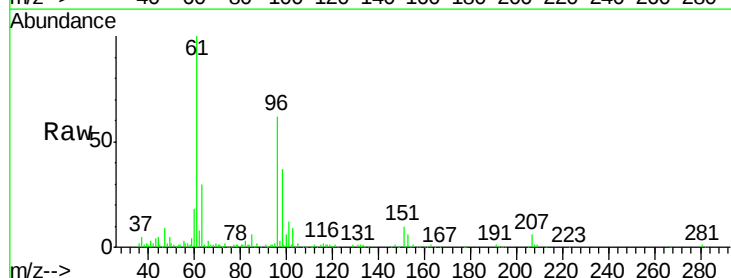
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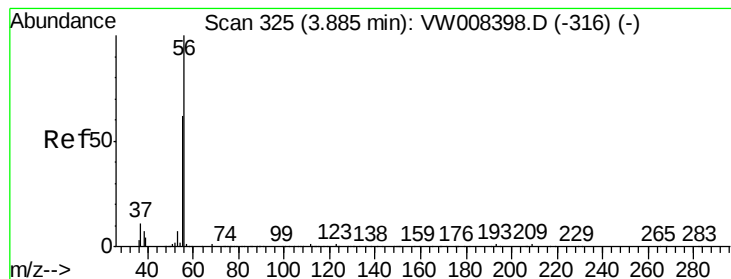
MMDadoda
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#12
1,1-Dichloroethene
Concen: 16.806 ug/l
RT: 4.02 min Scan# 347
Delta R.T. -0.02 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.2	129.5	194.3
98	58.3	48.6	73.0





#13

Acrolein

Concen: 100.567 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion: 56 Resp: 34766

Ion Ratio Lower Upper

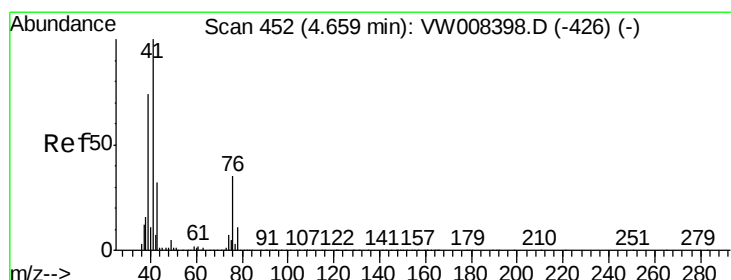
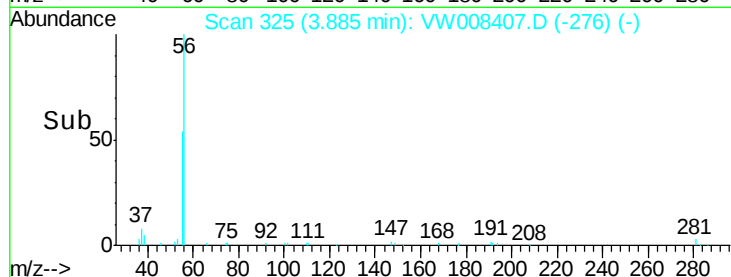
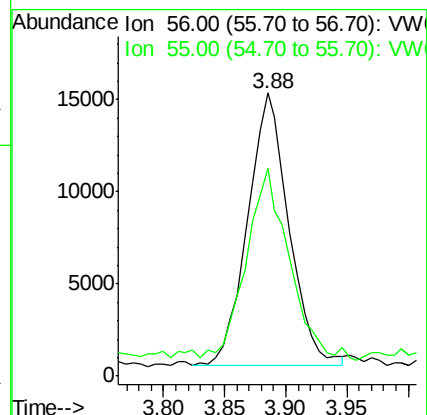
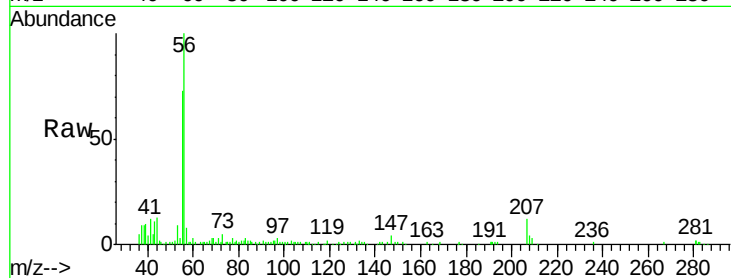
56 100

55 73.5 56.7 85.1

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#14

Allyl chloride

Concen: 15.887 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

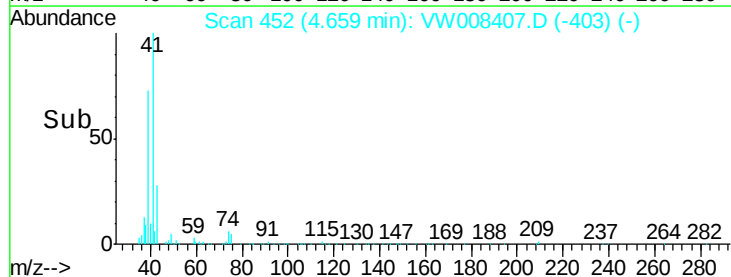
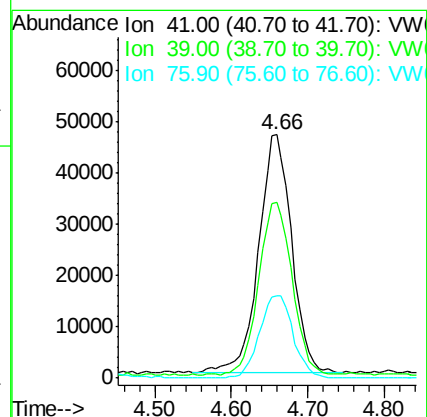
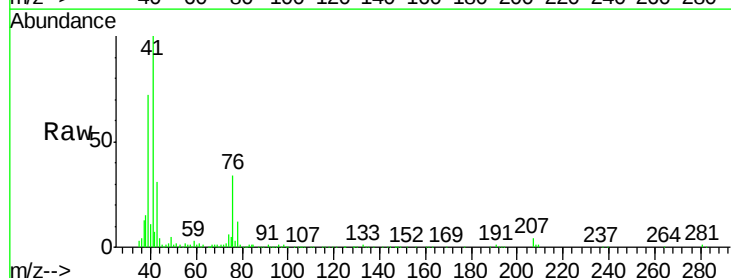
Tgt Ion: 41 Resp: 140343

Ion Ratio Lower Upper

41 100

39 72.7 57.7 86.5

76 35.2 26.9 40.3





#15

Acrylonitrile

Concen: 74.486 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

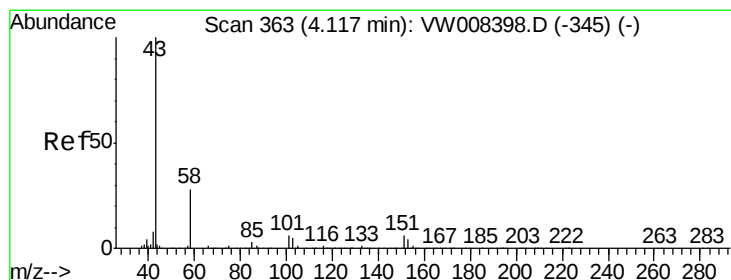
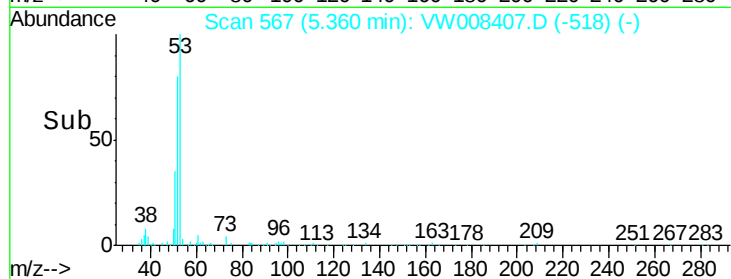
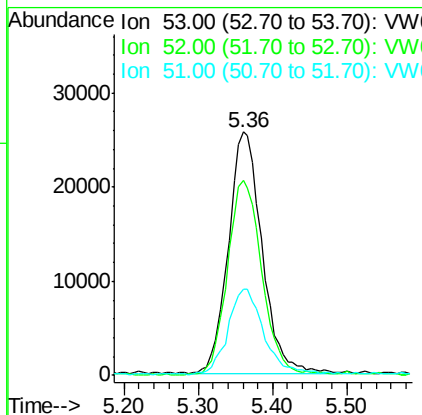
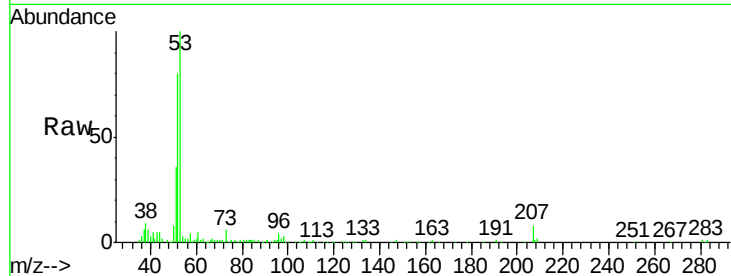
ClientSampleId :

VW0125SBS01

Tot Ion:	53	Resp:	81521
Ion Ratio	Lower	Upper	
53	100		
52	82.6	67.0	100.4
51	37.4	29.8	44.8

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#16

Acetone

Concen: 77.160 ug/l

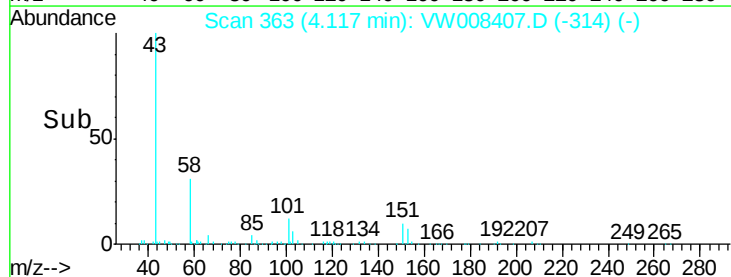
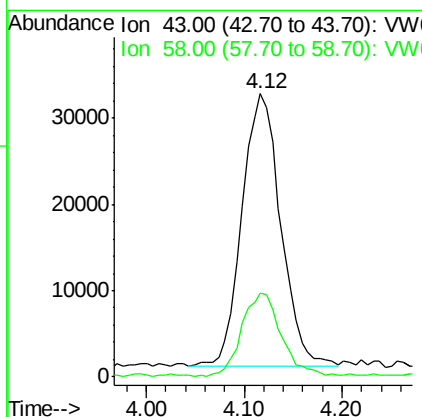
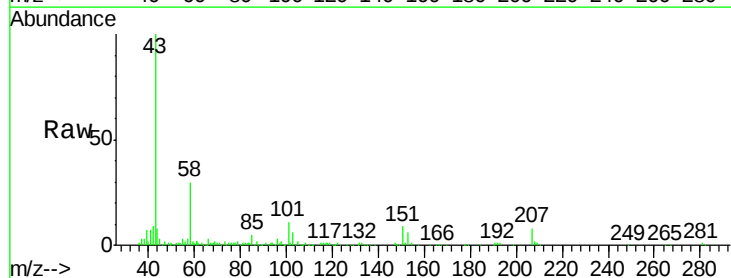
RT: 4.12 min Scan# 363

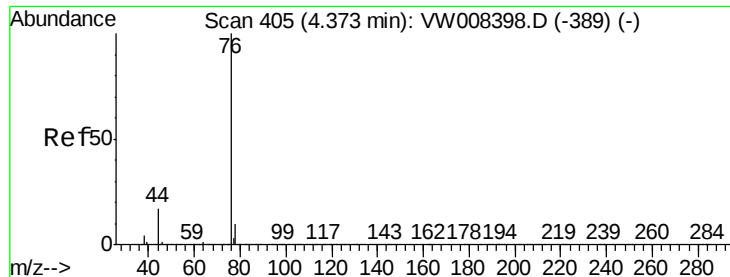
Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Tgt Ion:	43	Resp:	86515
Ion Ratio	Lower	Upper	
43	100		
58	30.1	22.6	34.0





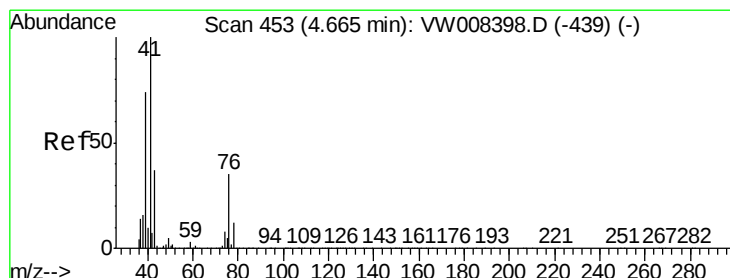
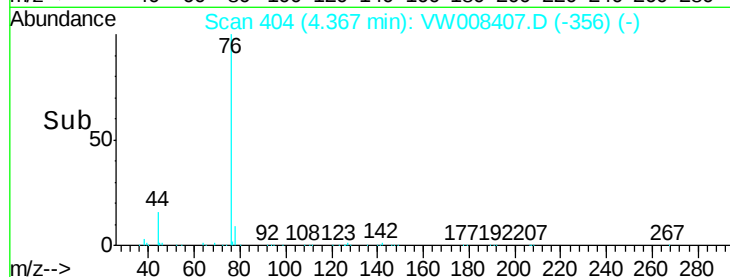
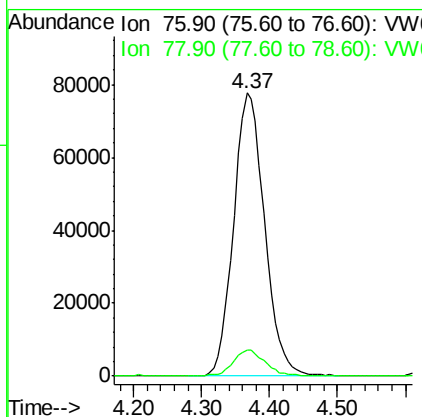
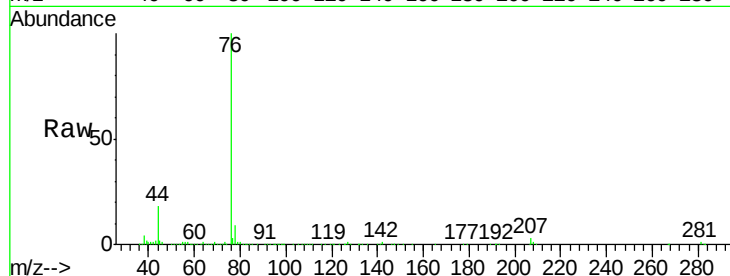
#17
Carbon Disulfide
Concen: 16.526 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.7	11.5

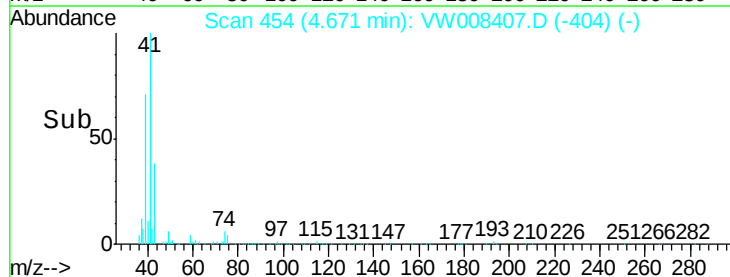
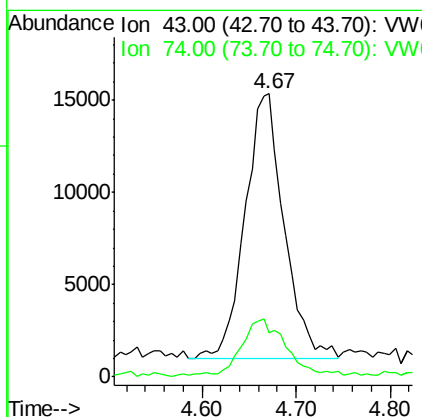
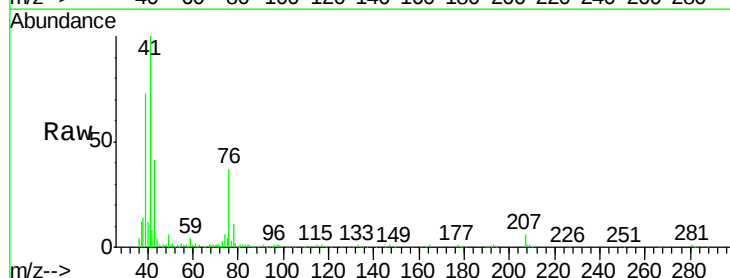
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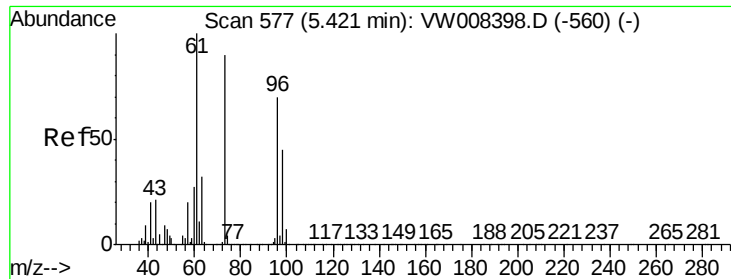
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#18
Methyl Acetate
Concen: 14.066 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.5	26.3





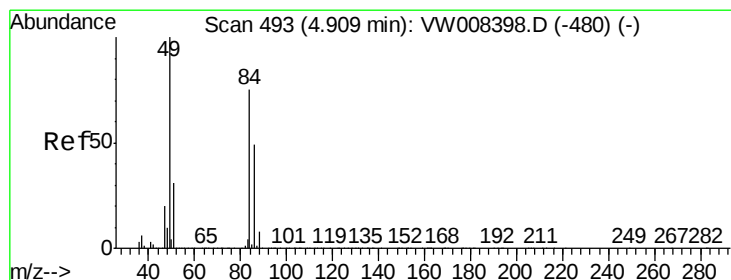
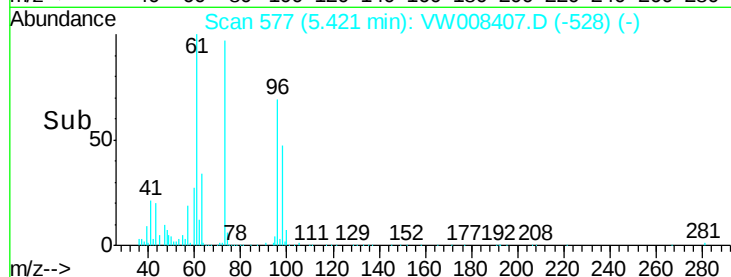
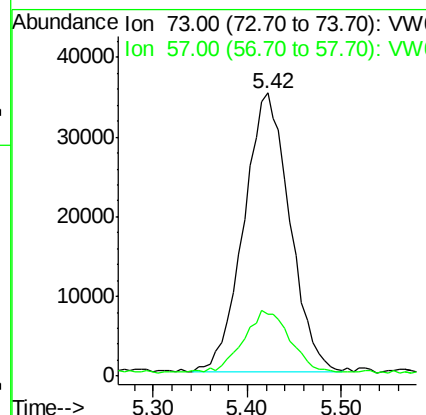
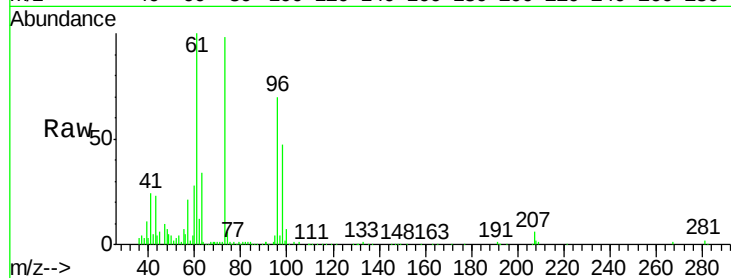
#19
Methyl tert-butyl Ether
Concen: 15.611 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion: 73 Resp: 120154
Ion Ratio Lower Upper
73 100
57 20.6 18.0 27.0

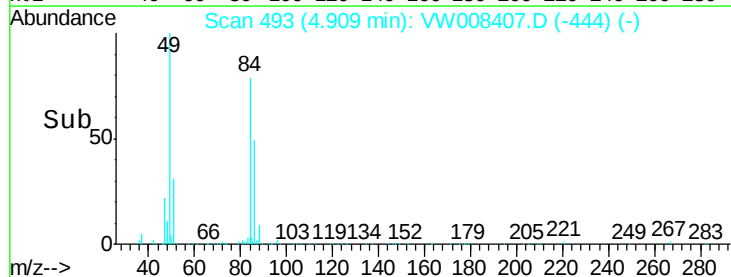
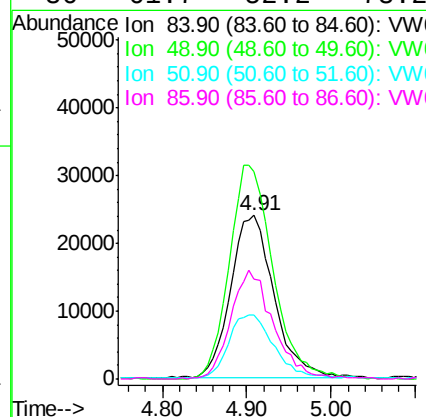
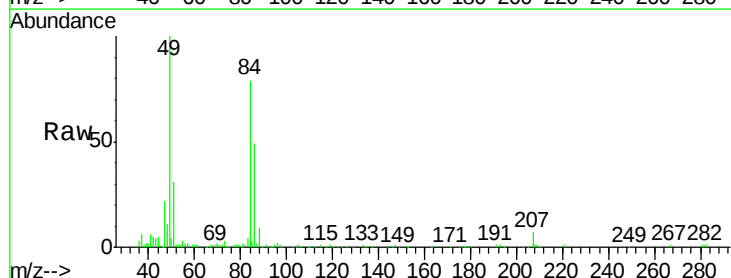
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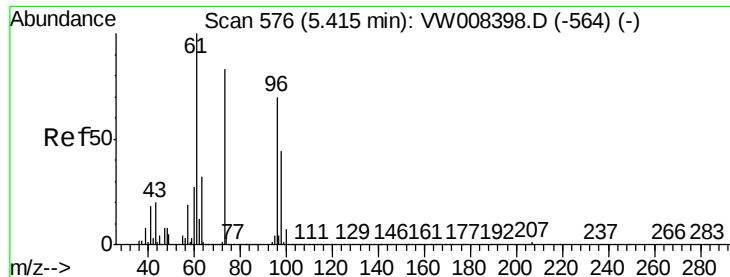
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#20
Methylene Chloride
Concen: 16.002 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion: 84 Resp: 82698
Ion Ratio Lower Upper
84 100
49 127.0 106.8 160.2
51 39.4 32.9 49.3
86 61.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 16.394 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

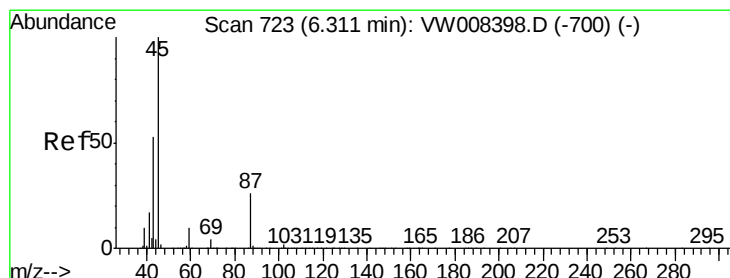
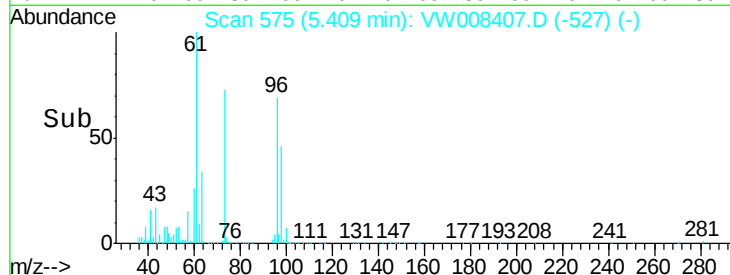
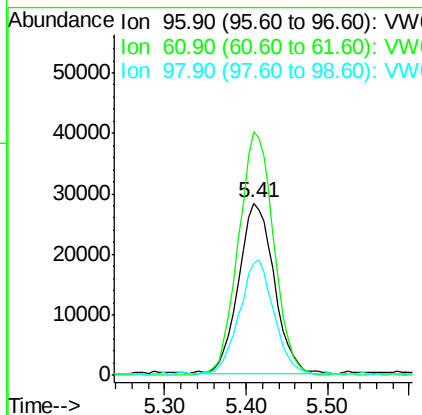
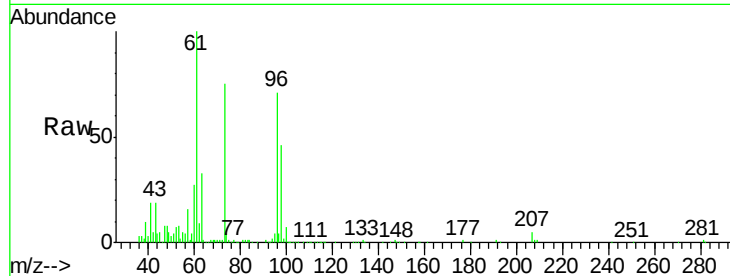
ClientSampled :

VW0125SBS01

Tot Ion:	96	Resp:	85739
Ion	Ratio	Lower	Upper
96	100		
61	142.5	114.4	171.6
98	65.0	50.6	75.8

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#22

Diisopropyl ether

Concen: 15.188 ug/l

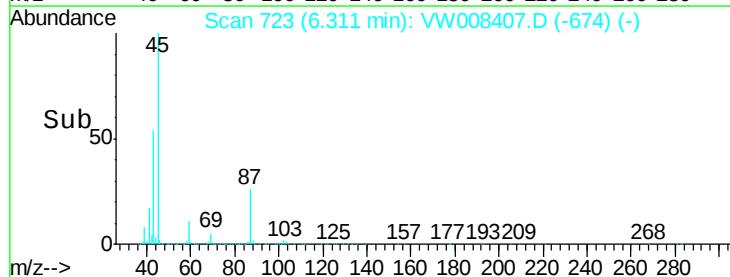
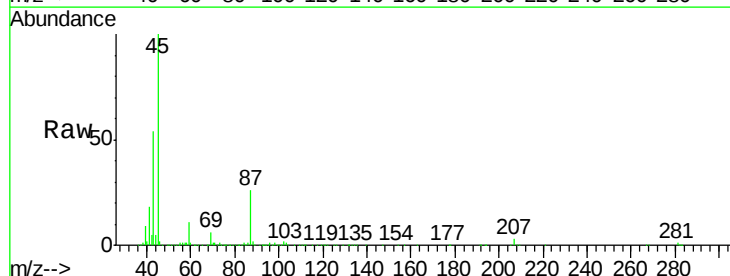
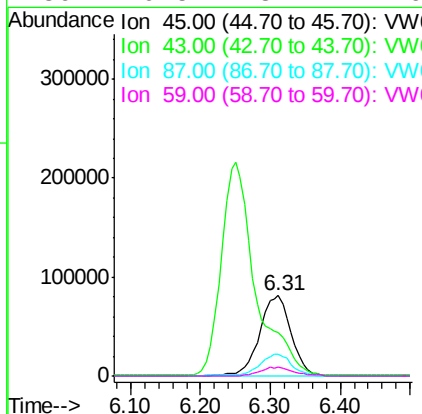
RT: 6.31 min Scan# 723

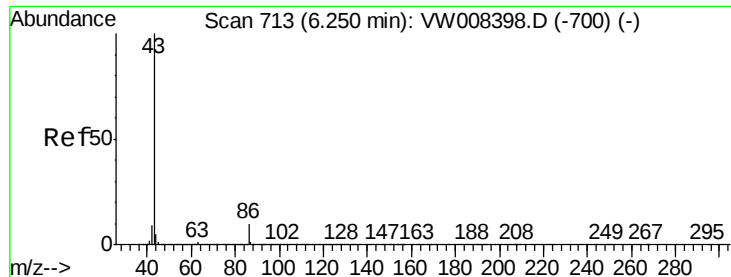
Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Tgt Ion:	45	Resp:	254274
Ion	Ratio	Lower	Upper
45	100		
43	53.1	42.6	63.8
87	26.3	20.3	30.5
59	10.5	8.4	12.6





#23

Vinyl Acetate

Concen: 73.373 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampled :

VW0125SBS01

Tot Ion: 43 Resp: 725354

Ion Ratio Lower Upper

43 100

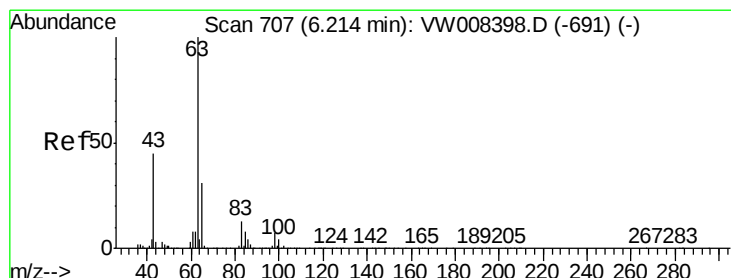
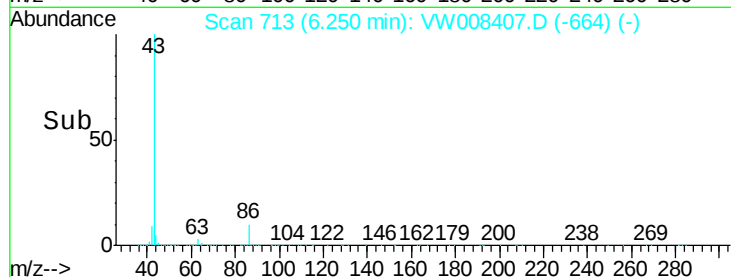
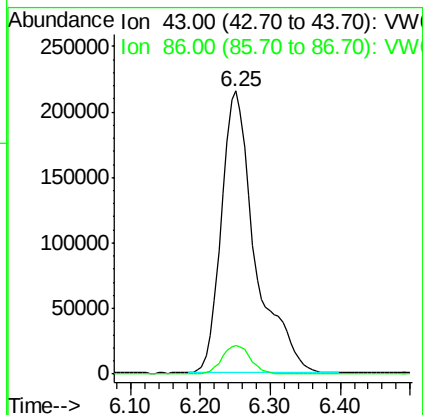
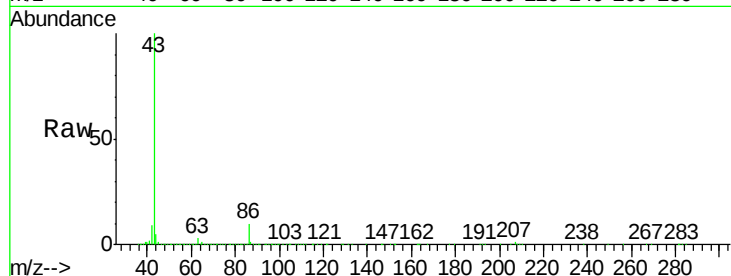
86 10.3 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 16.119 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

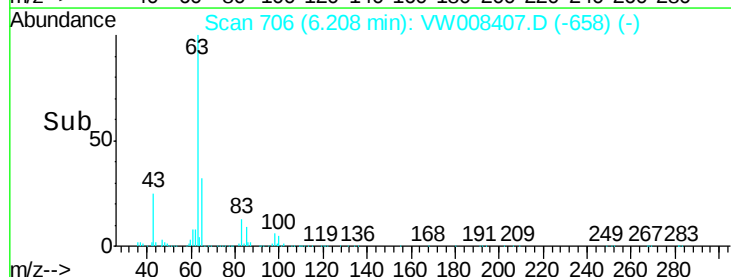
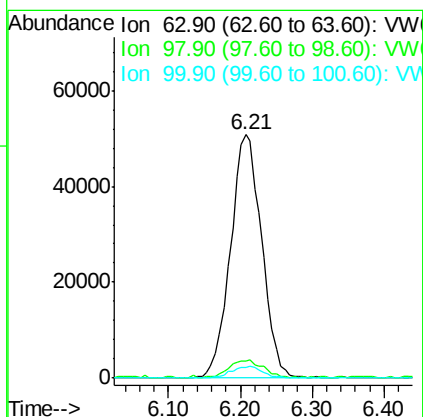
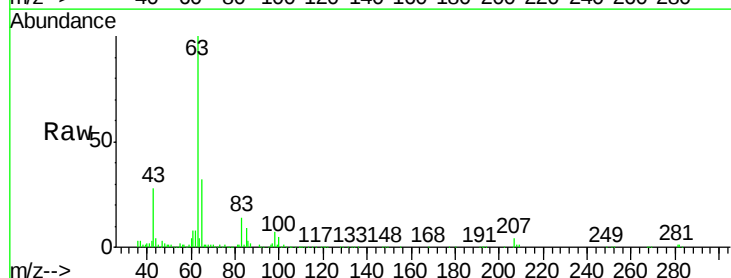
Tgt Ion: 63 Resp: 152751

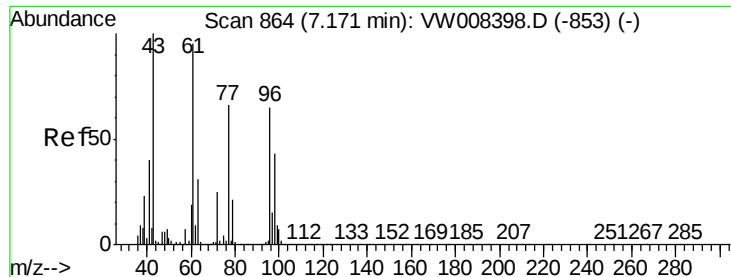
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.6 2.1 6.2





#25

2-Butanone

Concen: 71.130 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion: 43 Resp: 110777

Ion Ratio Lower Upper

43 100

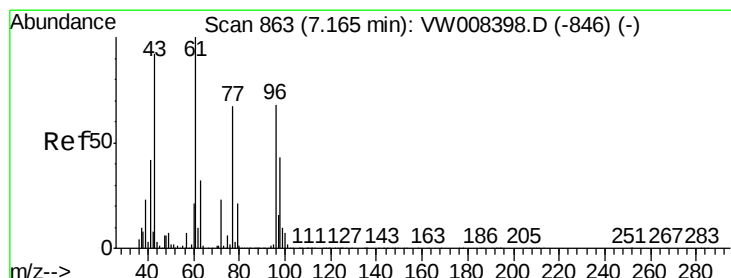
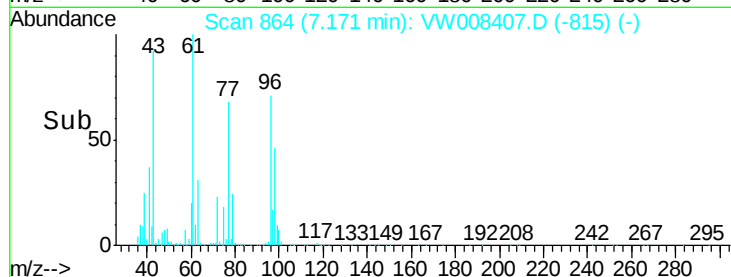
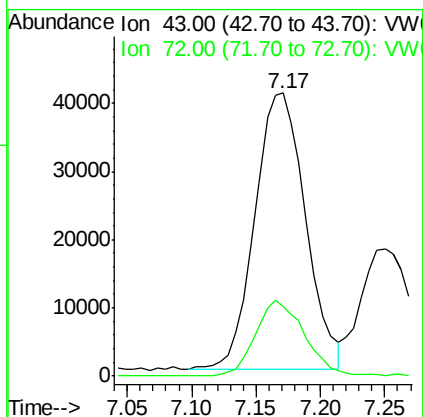
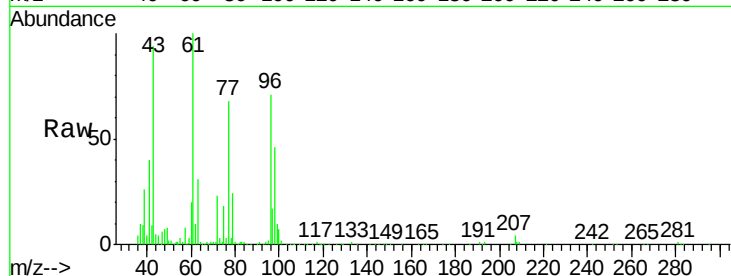
72 24.9 20.1 30.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.964 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008407.D

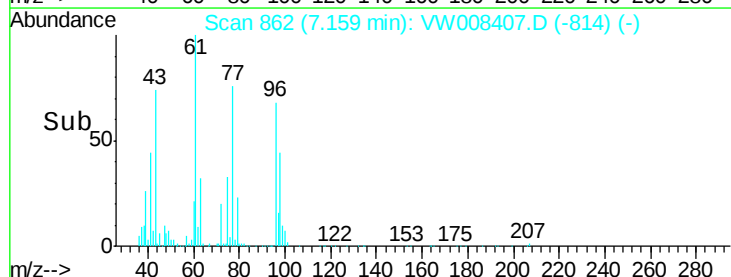
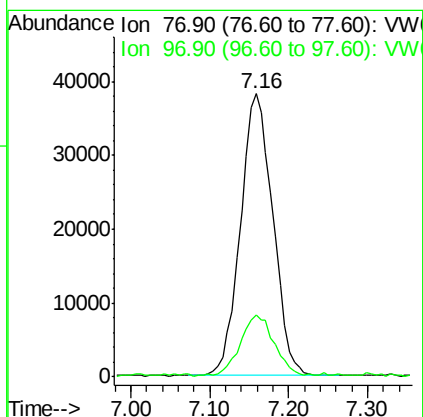
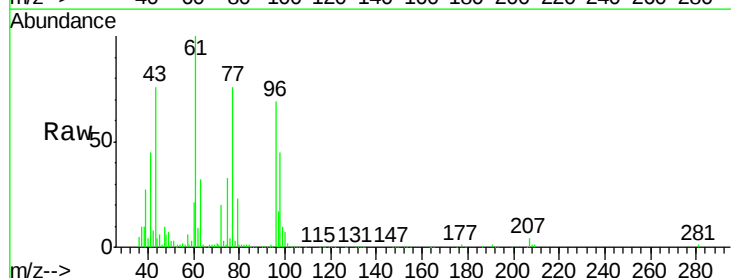
Acq: 25 Jan 2019 13:29

Tgt Ion: 77 Resp: 108664

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.5





#27

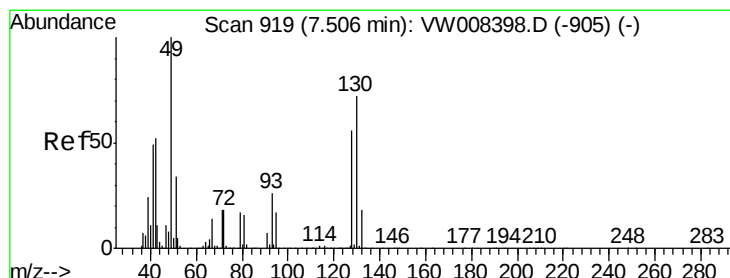
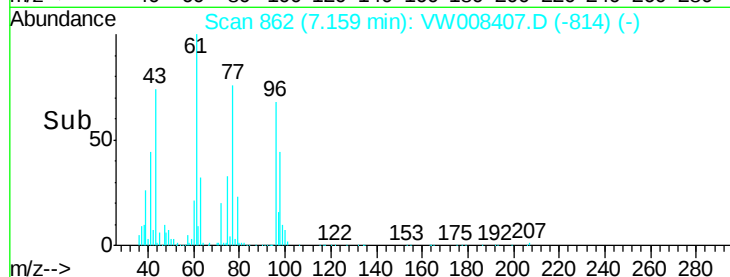
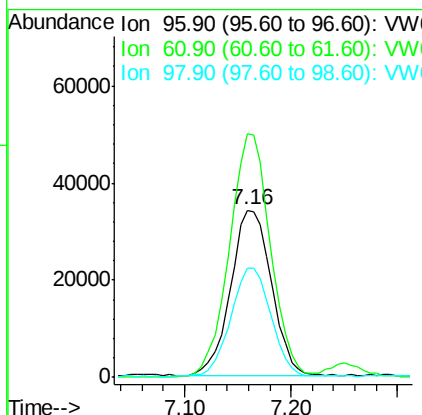
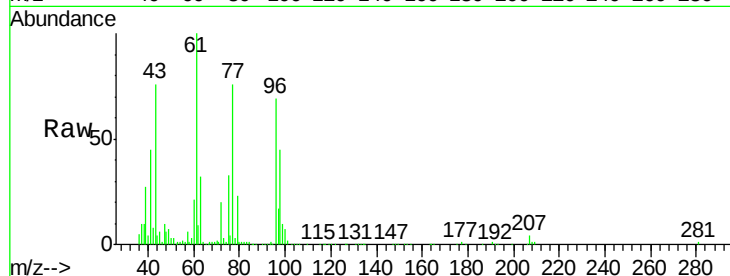
cis-1,2-Dichloroethene
 Concen: 16.142 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW008407.D
 Acq: 25 Jan 2019 13:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0125SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	292.8
98	64.5	0.0	129.2

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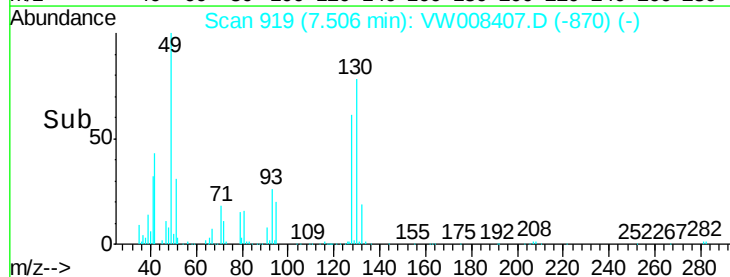
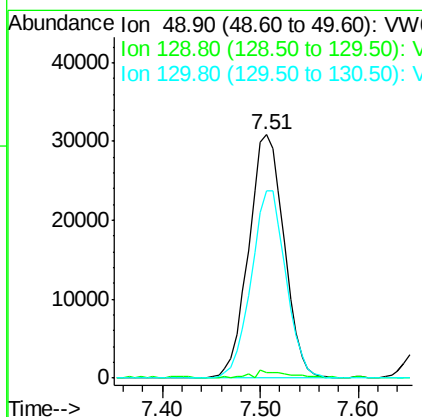
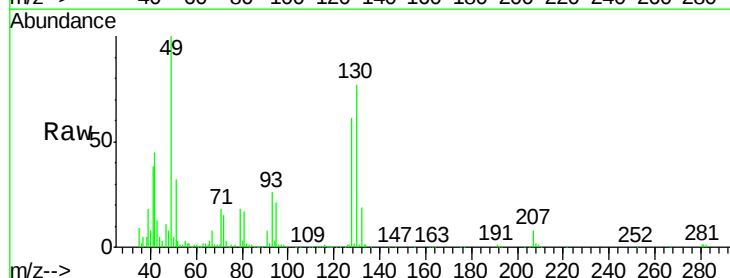
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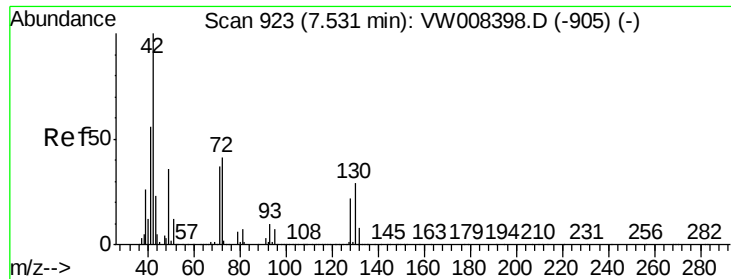


#28

Bromochloromethane
 Concen: 17.844 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW008407.D
 Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	4.6
130	75.4	58.6	87.8





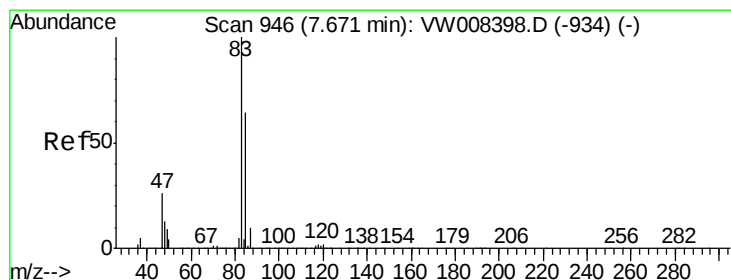
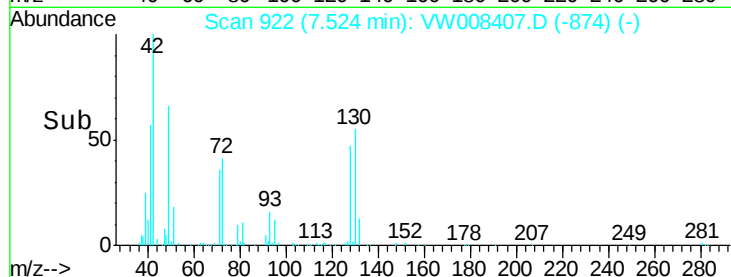
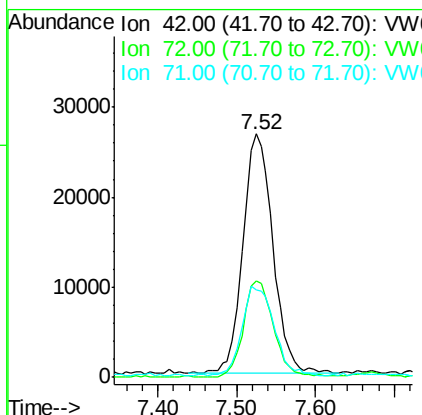
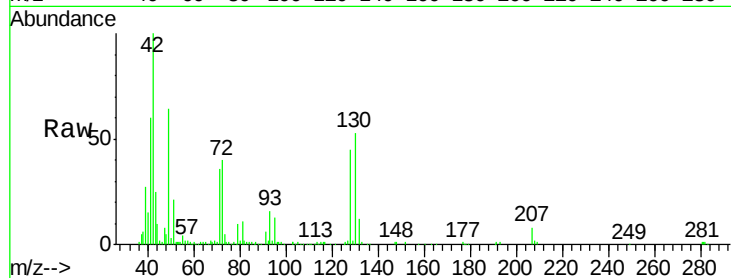
#29
Tetrahydrofuran
Concen: 71.130 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	31.9	47.9
71	39.5	29.9	44.9

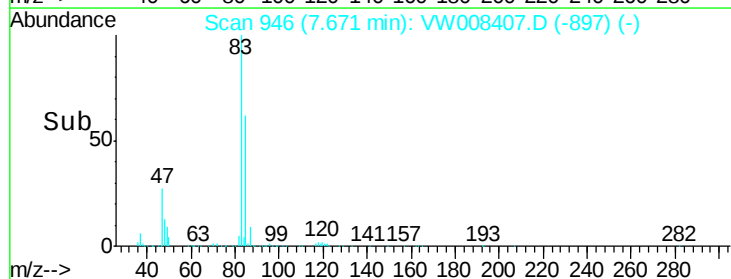
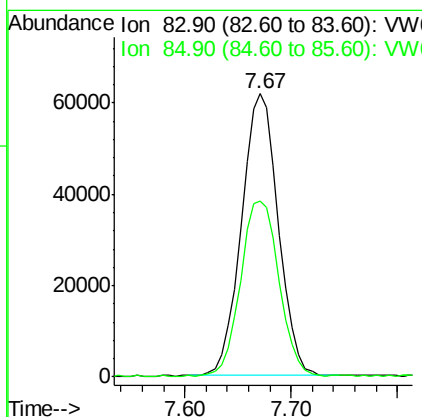
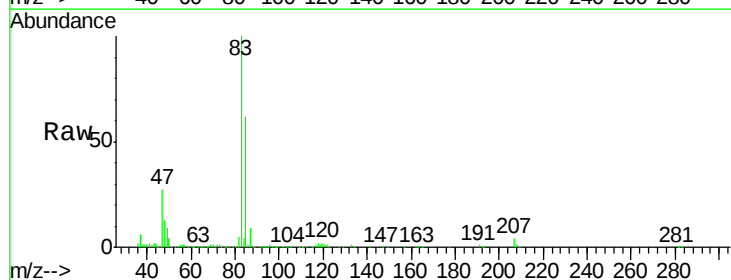
Manual Integrations
APPROVED

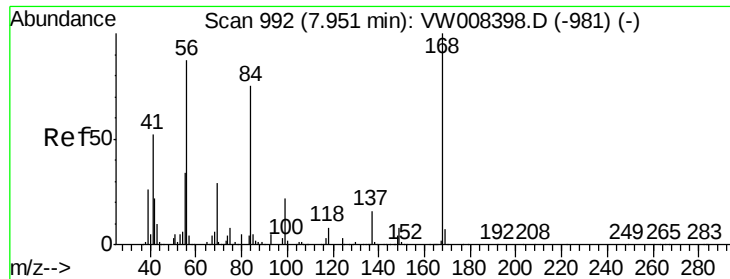
MMDadoda
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#30
Chloroform
Concen: 16.065 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.9	76.3





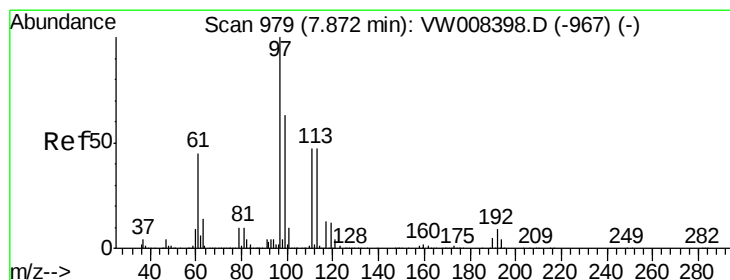
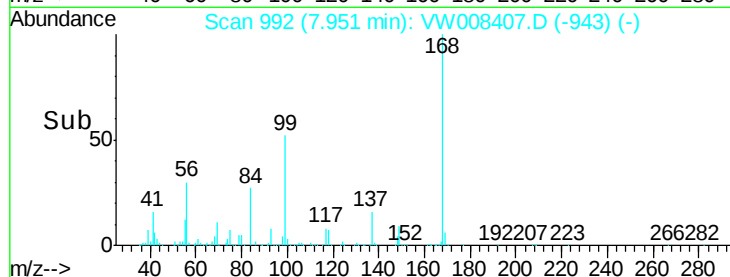
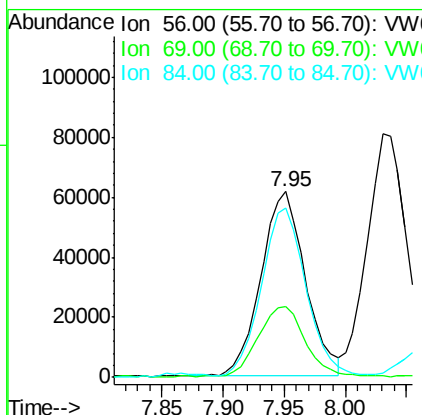
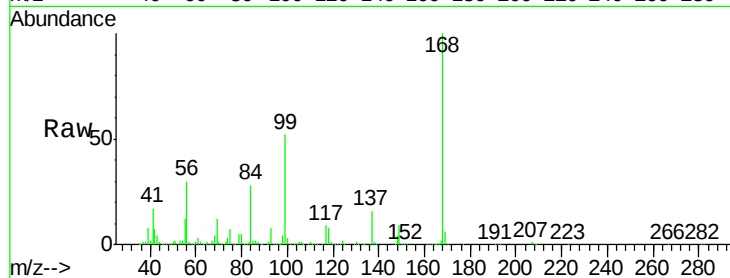
#31
Cyclohexane
Concen: 15.906 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampled :
VW0125SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.4	39.6
84	90.0	69.1	103.7

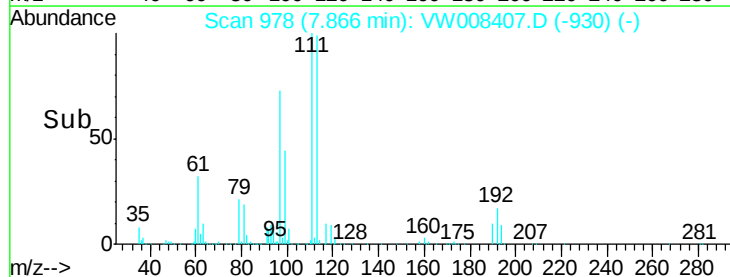
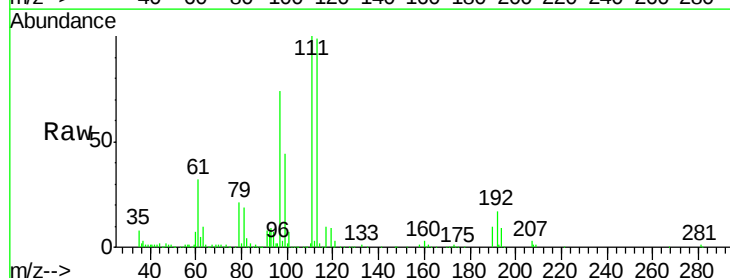
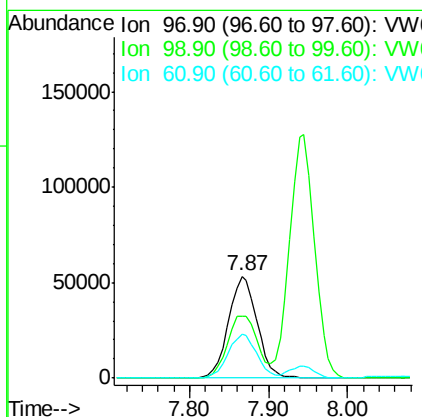
Manual Integrations
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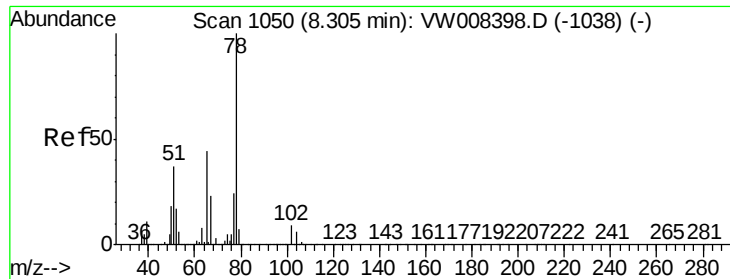
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#32
1,1,1-Trichloroethane
Concen: 16.549 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.3	76.9
61	43.3	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 49.412 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion: 65 Resp: 246713

Ion Ratio Lower Upper

65 100

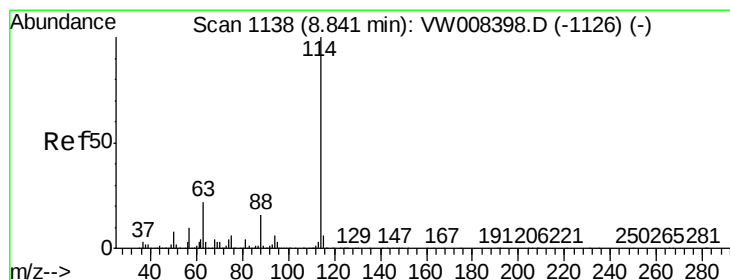
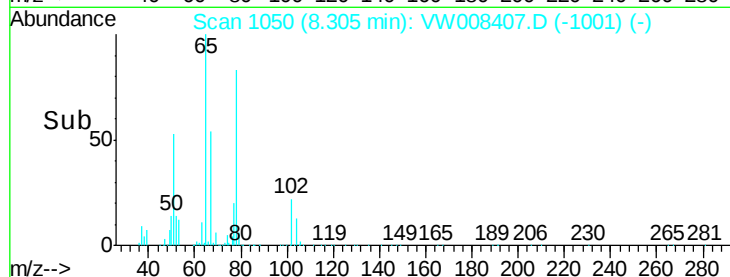
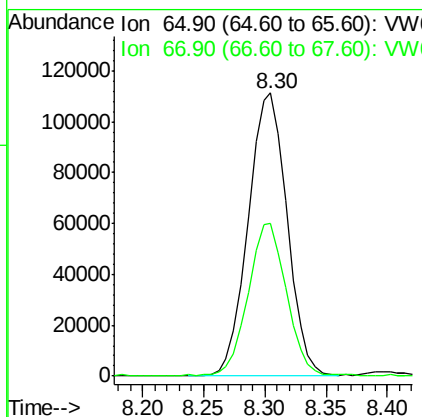
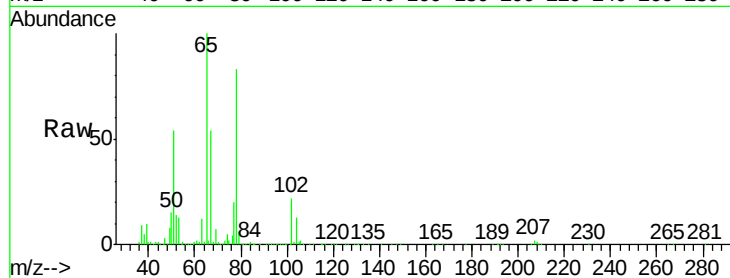
67 52.9 0.0 104.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

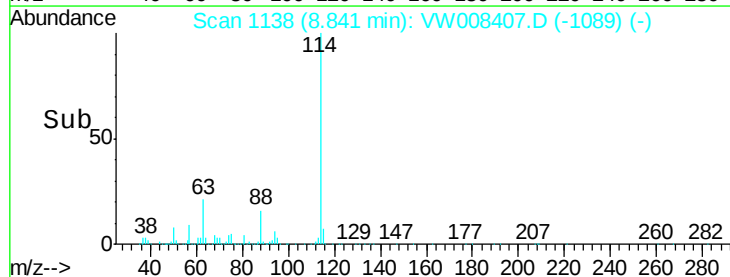
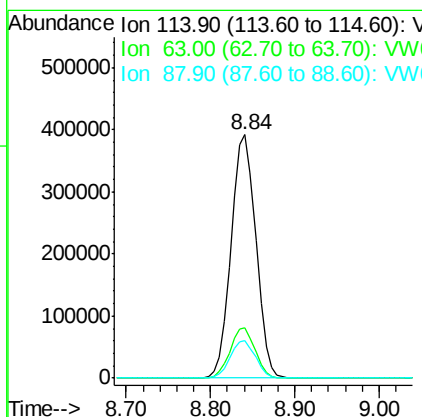
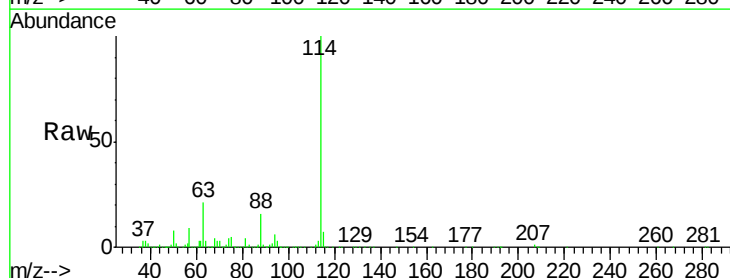
Tgt Ion: 114 Resp: 779701

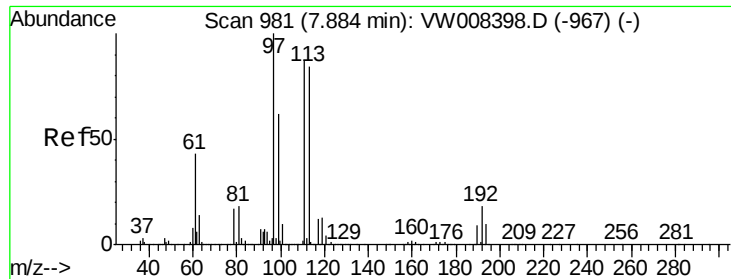
Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.6

88 15.6 0.0 31.8





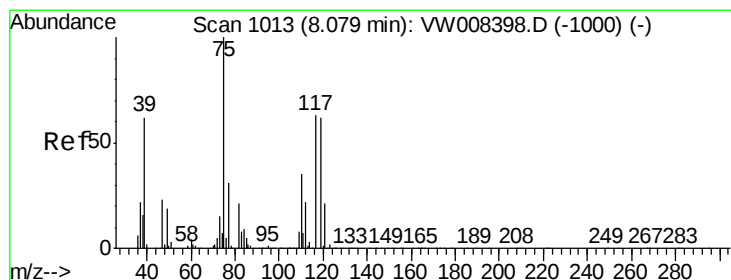
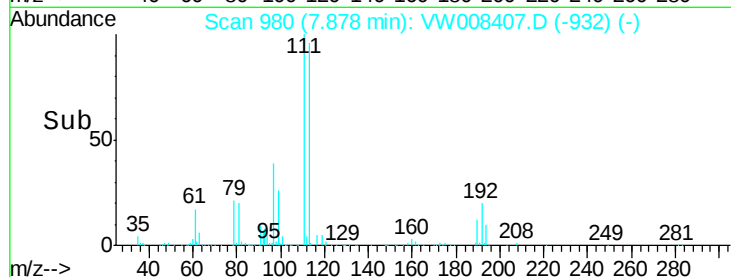
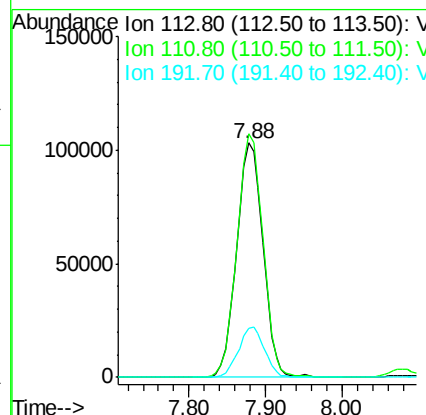
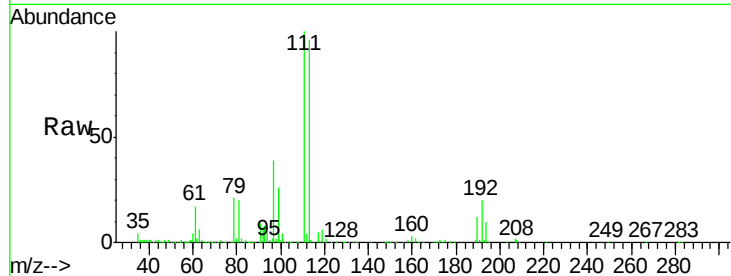
#35
 Dibromofluoromethane
 Concen: 54.129 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008407.D
 Acq: 25 Jan 2019 13:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0125SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	246786		
111	102.5	81.0	121.4	
192	21.1	16.8	25.2	

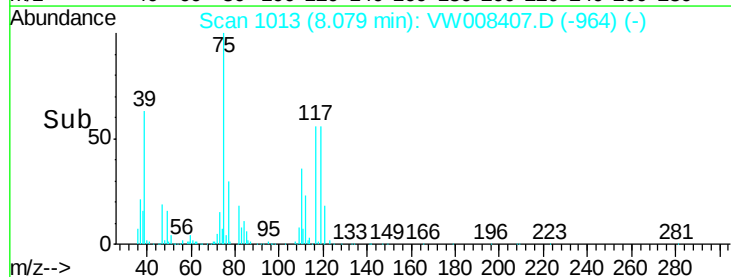
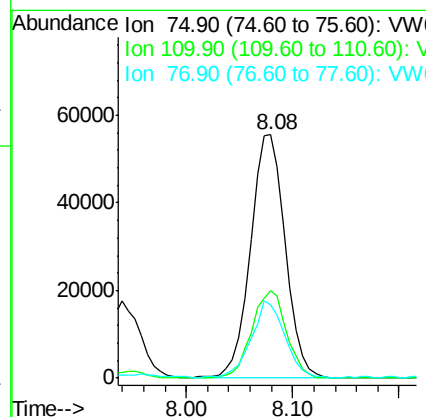
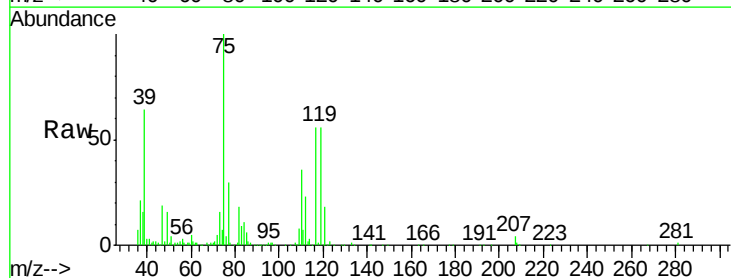
Manual Integrations
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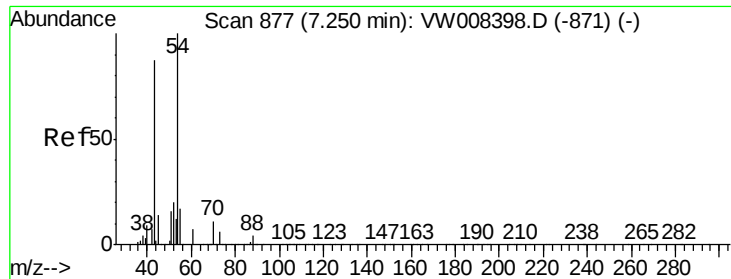
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#36
 1,1-Dichloropropene
 Concen: 17.187 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008407.D
 Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126588		
110	36.1	17.3	52.0	
77	30.3	24.7	37.1	





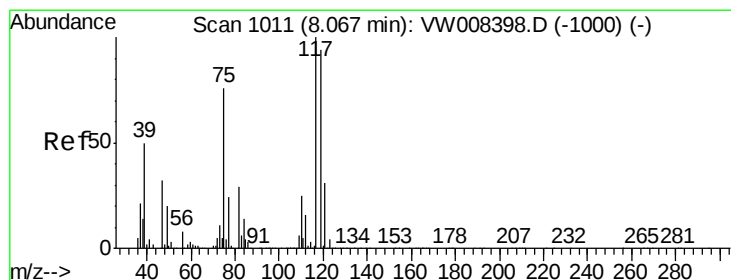
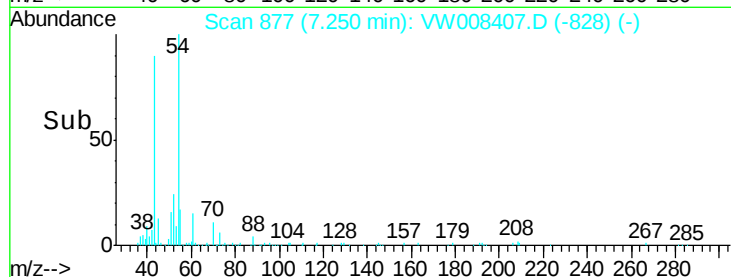
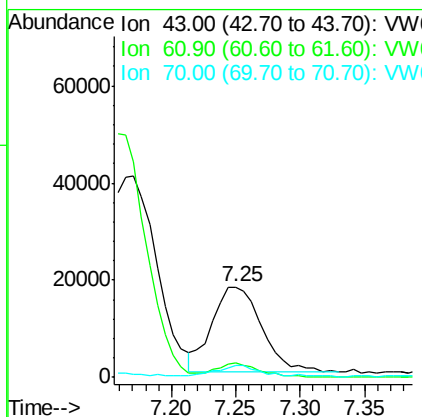
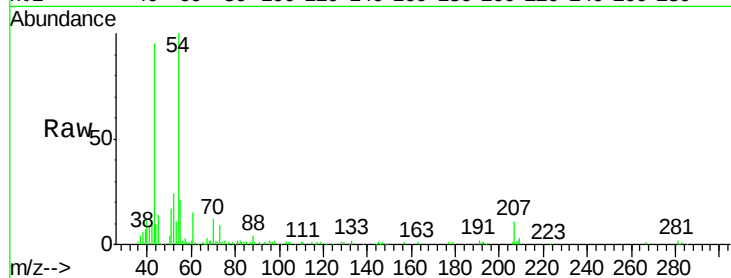
#37
Ethyl Acetate
Concen: 14.576 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	10.1	15.1#
70	9.9	7.8	11.6

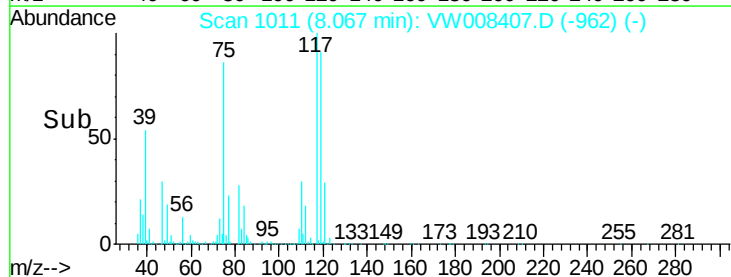
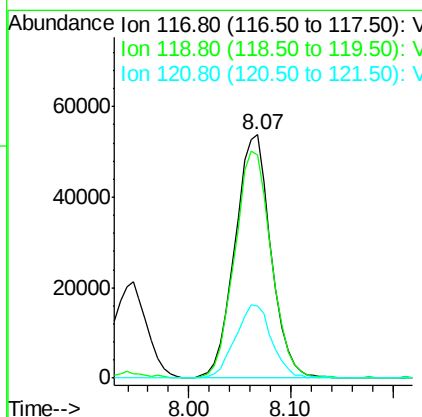
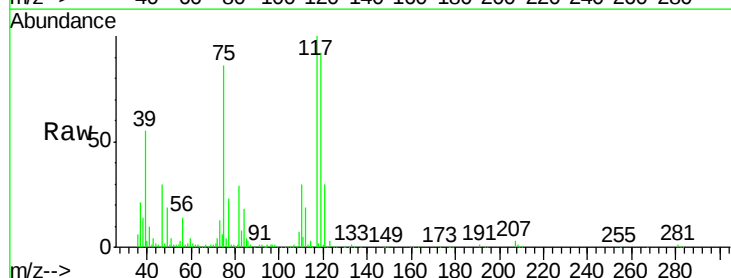
Manual Integrations
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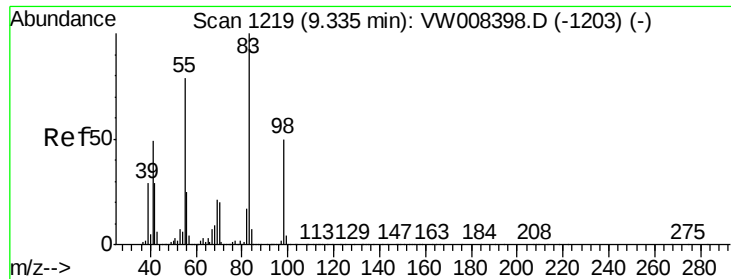
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#38
Carbon Tetrachloride
Concen: 17.665 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.0	112.4
121	29.6	24.9	37.3





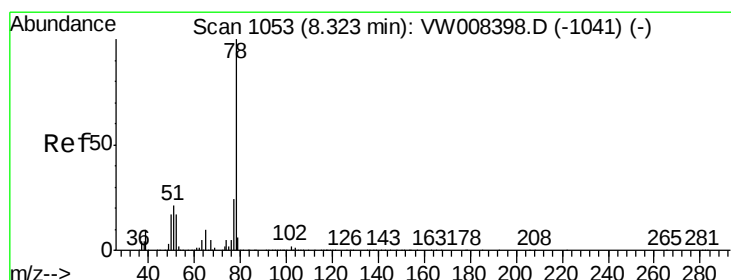
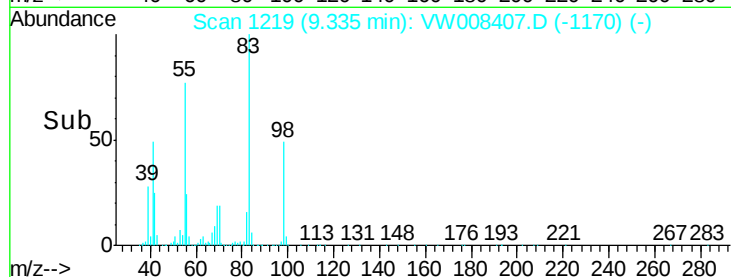
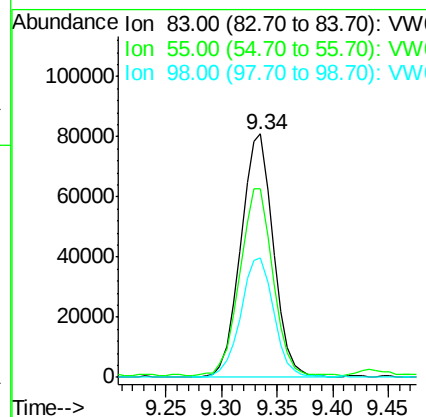
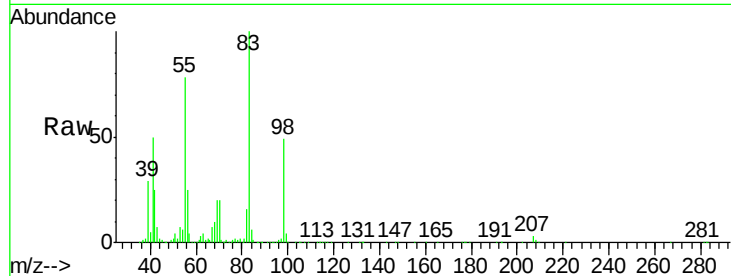
#39
Methvlcvclohexane
Concen: 16.849 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	63.3	94.9
98	48.7	39.7	59.5

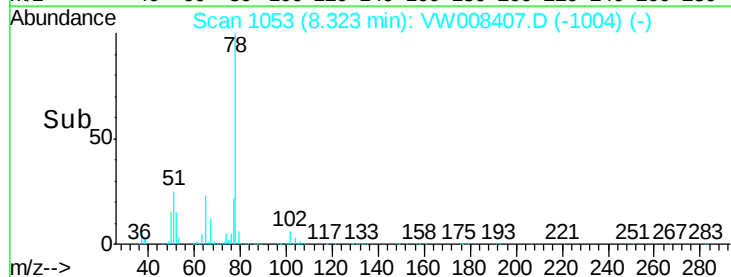
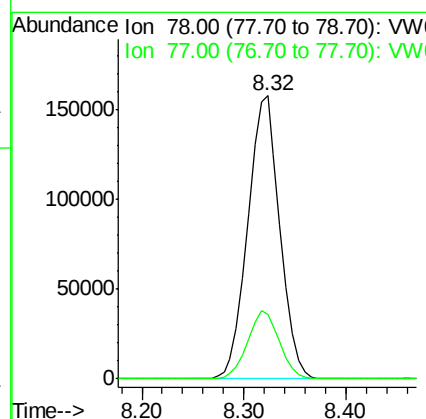
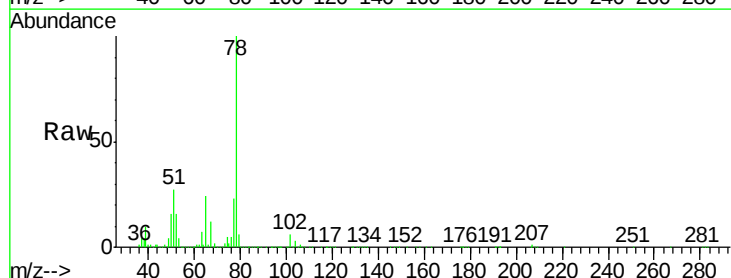
Manual Integrations
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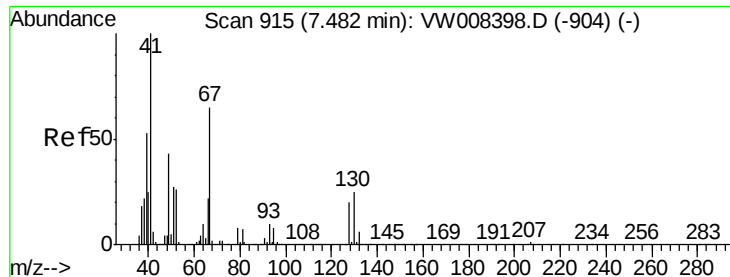
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#40
Benzene
Concen: 16.810 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.0	28.6





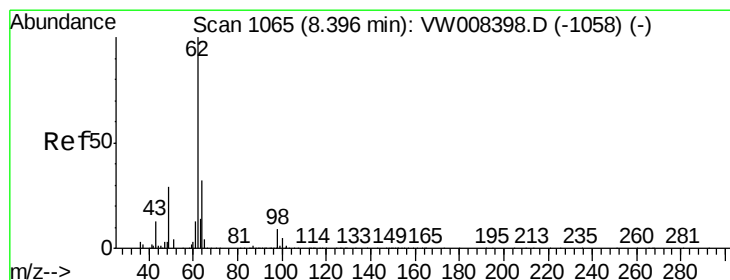
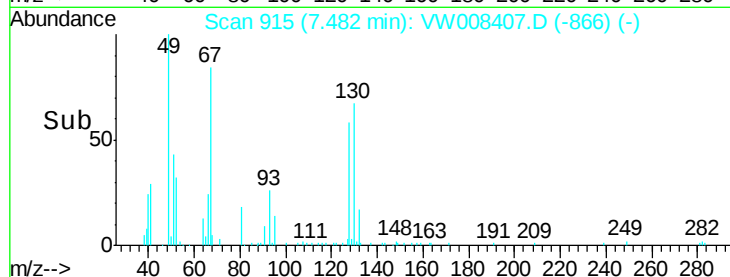
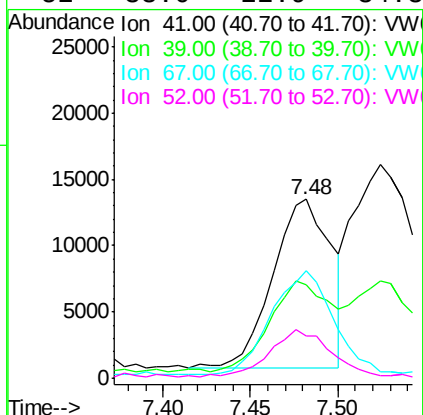
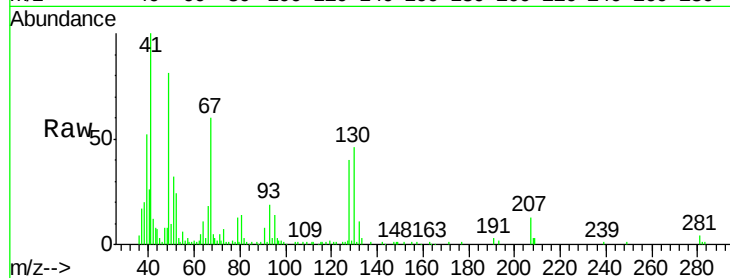
#41
Methacrylonitrile
Concen: 15.321 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		29560		
39	57.1	43.4	65.0		
67	67.8	54.2	81.2		
52	33.0	22.9	34.3		

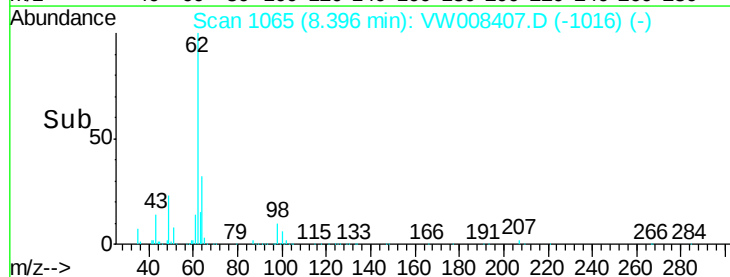
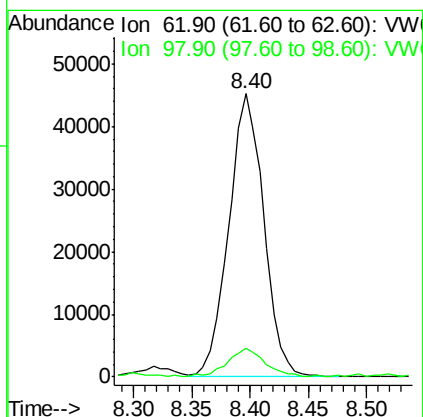
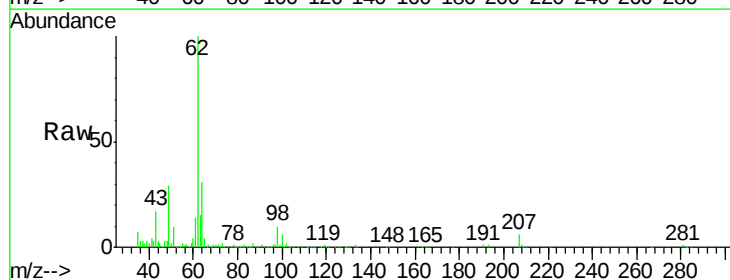
Manual Integrations
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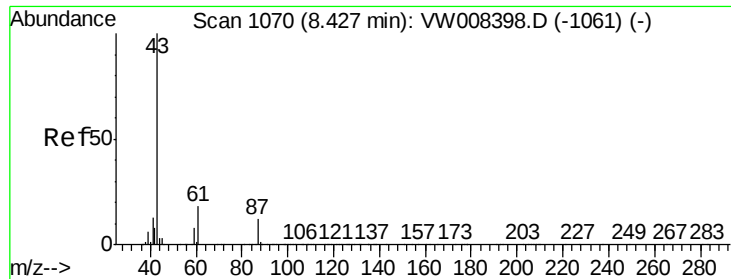
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#42
1,2-Dichloroethane
Concen: 15.923 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		94304		
98	10.2	0.0	18.6		





#43

Isopropyl Acetate

Concen: 14.885 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

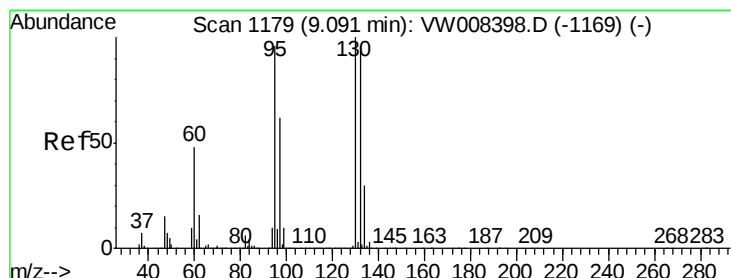
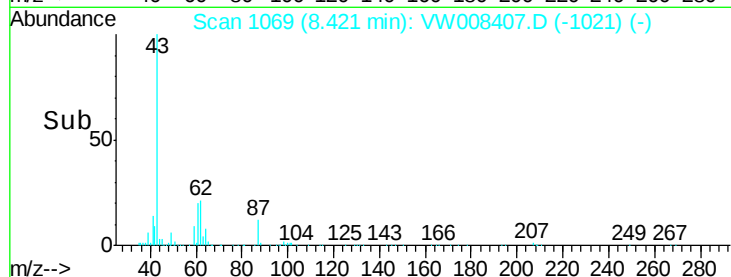
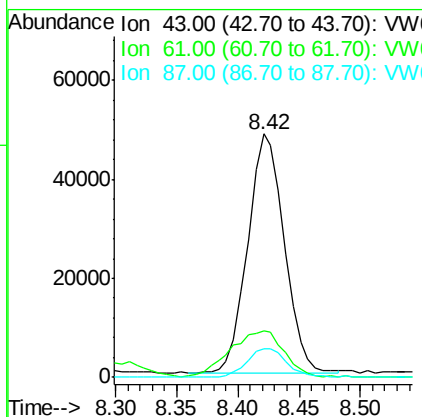
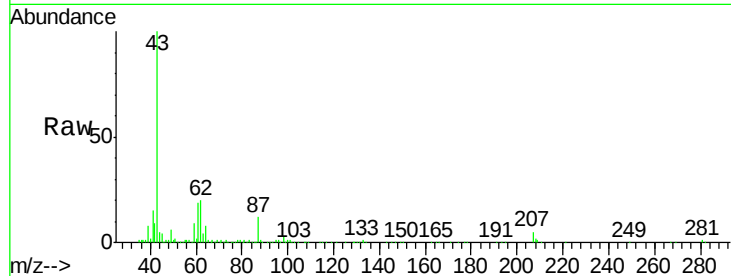
ClientSampleId :

VW0125SBS01

Tot Ion:	43	Resp:	100766
Ion	Ratio	Lower	Upper
43	100		
61	27.5	22.0	33.0
87	12.7	9.3	13.9

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#44

Trichloroethene

Concen: 17.192 ug/l

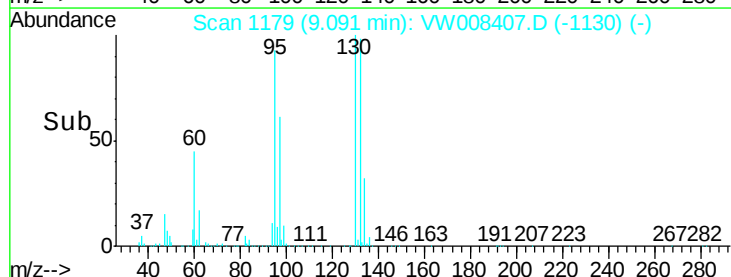
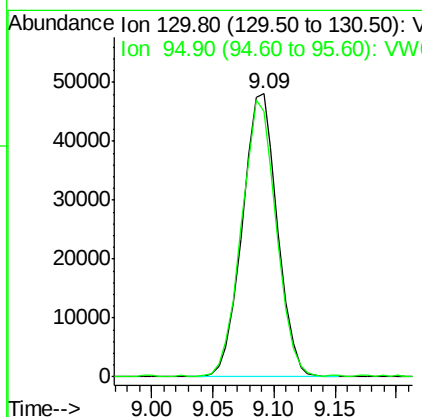
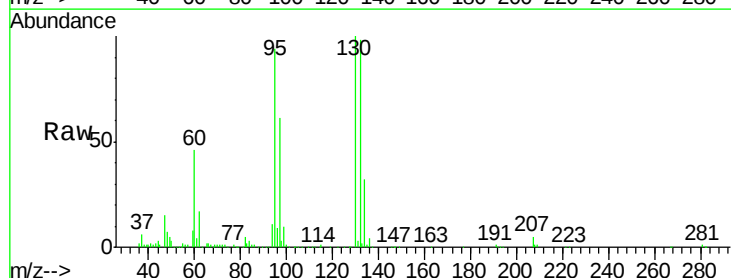
RT: 9.09 min Scan# 1179

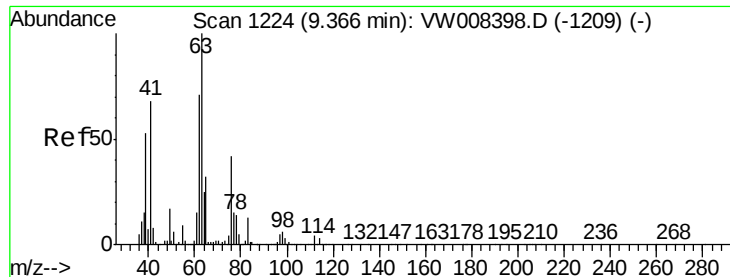
Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Tgt Ion:	130	Resp:	95545
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	191.6





#45

1,2-Dichloropropane

Concen: 16.363 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion: 63 Resp: 83384

Ion Ratio Lower Upper

63 100

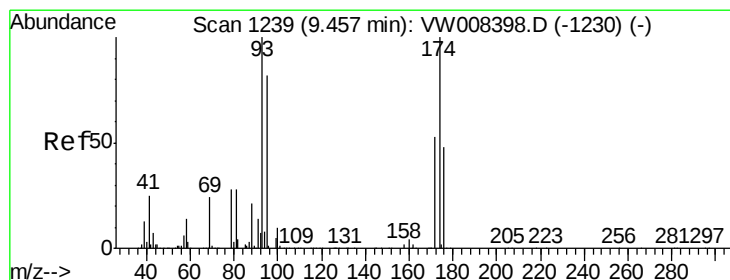
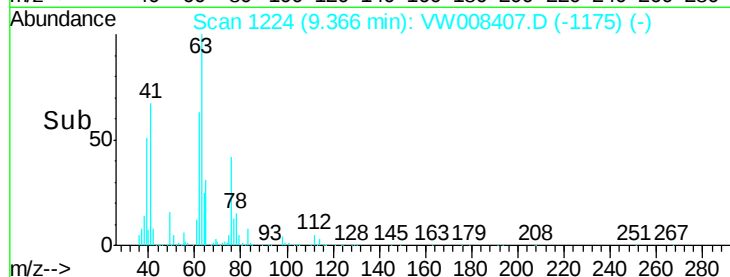
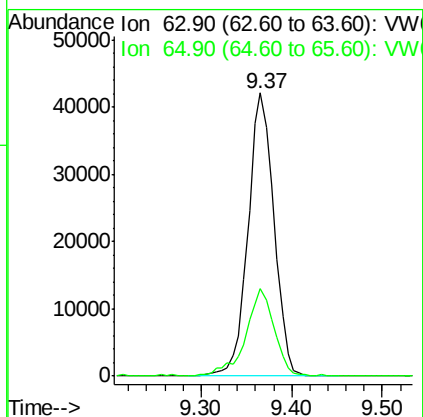
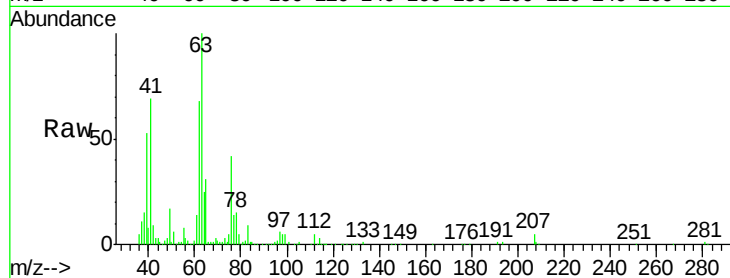
65 30.8 25.2 37.8

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#46

Dibromomethane

Concen: 16.590 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

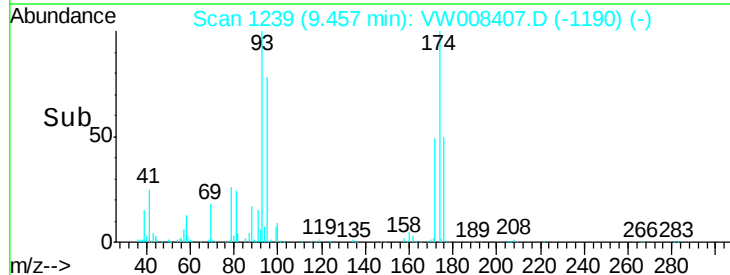
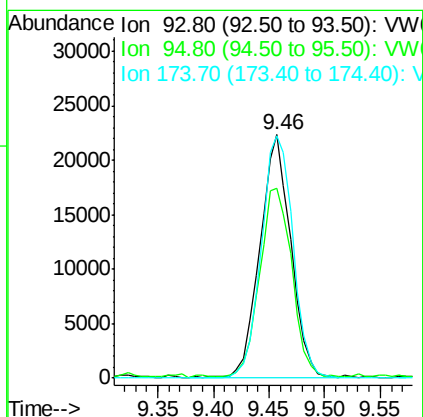
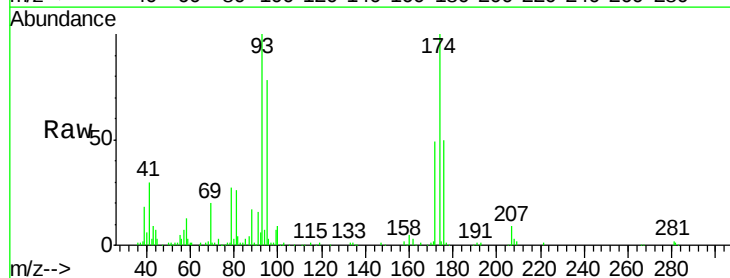
Tgt Ion: 93 Resp: 43482

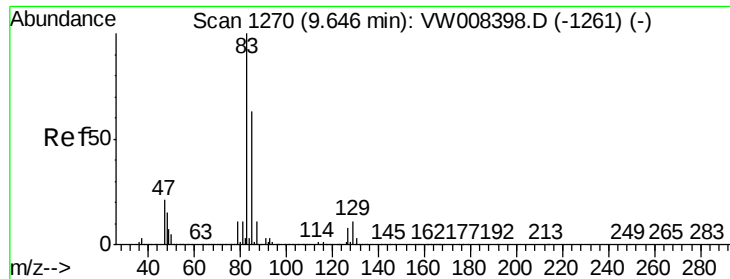
Ion Ratio Lower Upper

93 100

95 79.3 65.9 98.9

174 101.6 81.0 121.6





#47

Bromodichloromethane

Concen: 16.185 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

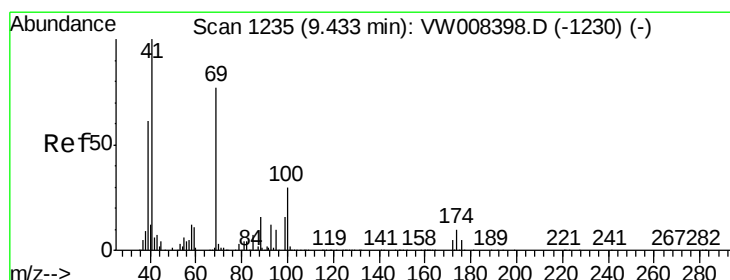
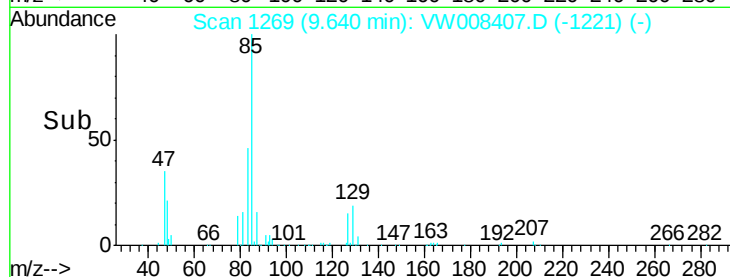
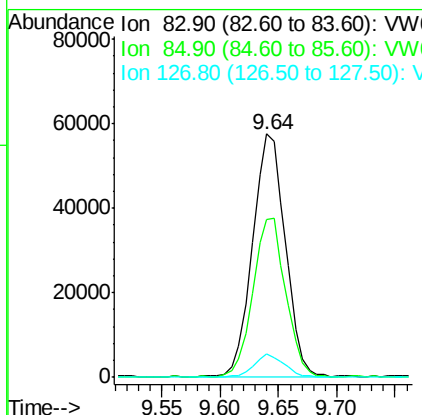
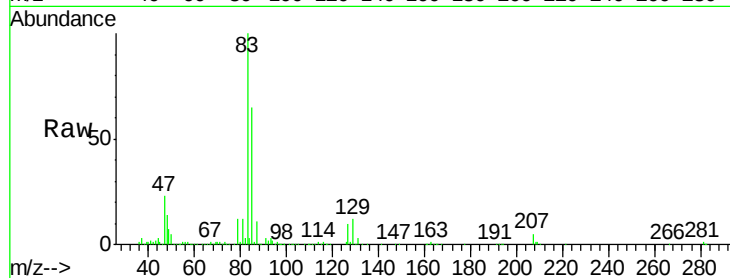
ClientSampleId :

VW0125SBS01

Tot Ion:	83	Resp:	112201
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.8	76.2
127	9.8	6.8	10.2

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#48

Methyl methacrylate

Concen: 15.328 ug/l

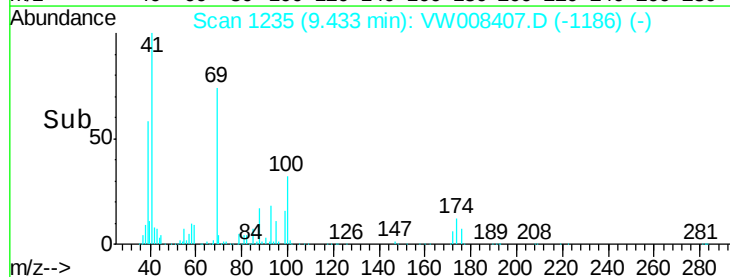
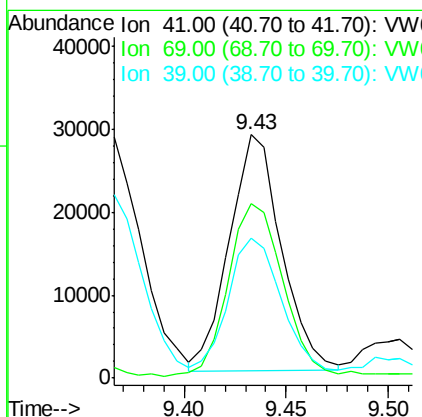
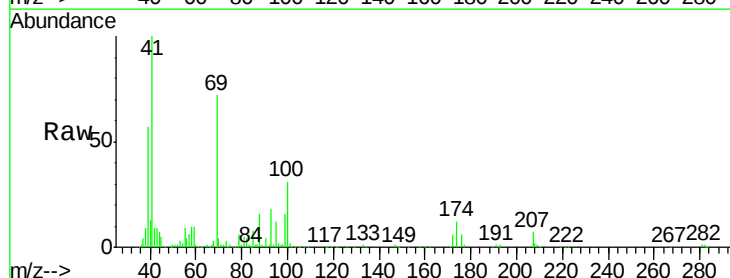
RT: 9.43 min Scan# 1235

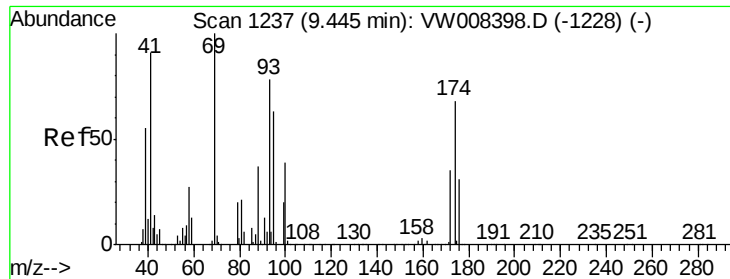
Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Tgt Ion:	41	Resp:	50738
Ion Ratio	Lower	Upper	
41	100		
69	76.6	64.8	97.2
39	56.0	49.1	73.7





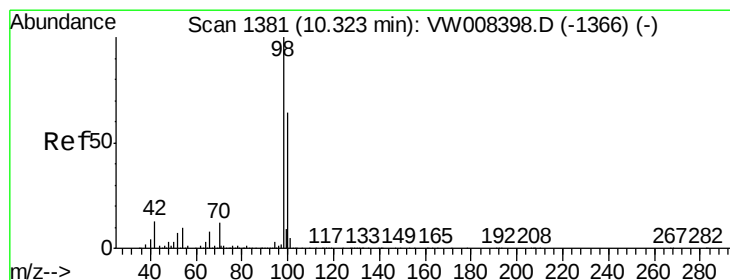
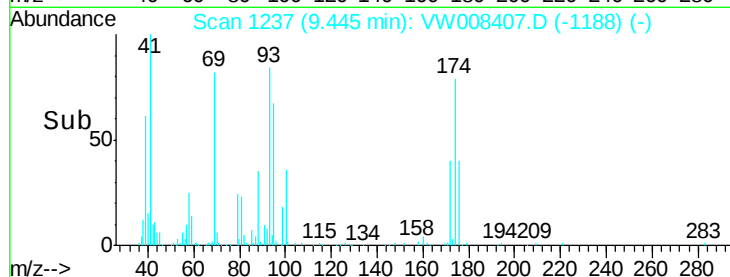
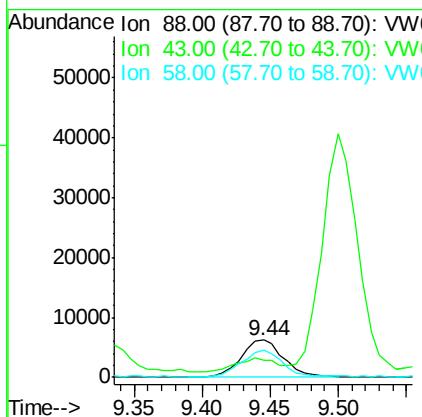
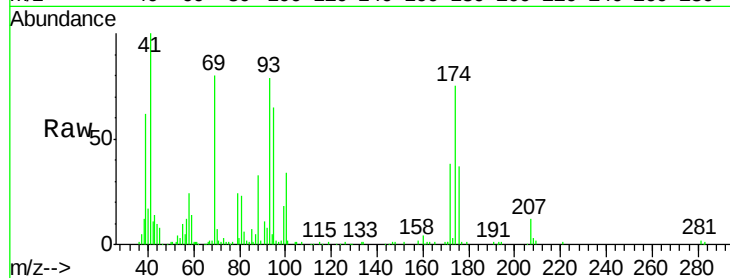
#49
1,4-Dioxane
Concen: 305.898 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	29.0	43.4
58	71.5	56.4	84.6

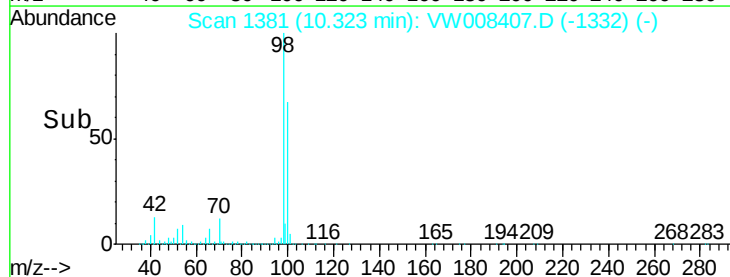
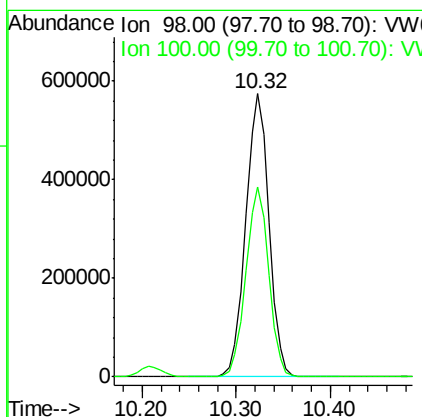
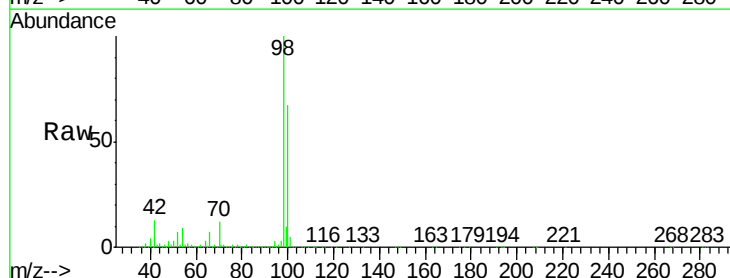
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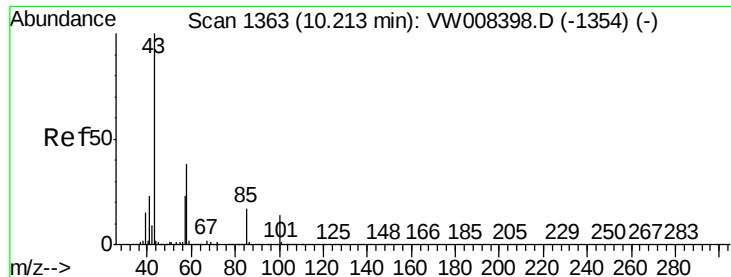
MMDadoda
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#50
Toluene-d8
Concen: 54.124 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 72.485 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion: 43 Resp: 242424

Ion Ratio Lower Upper

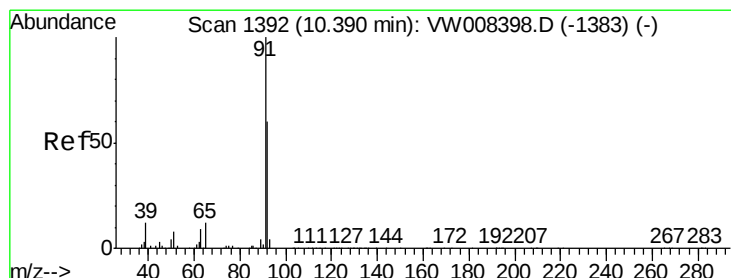
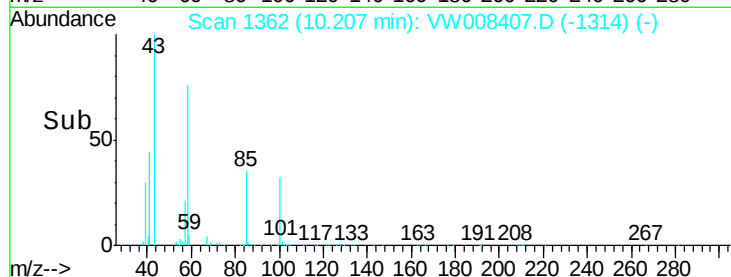
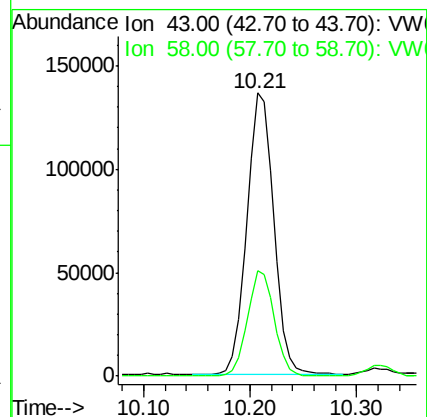
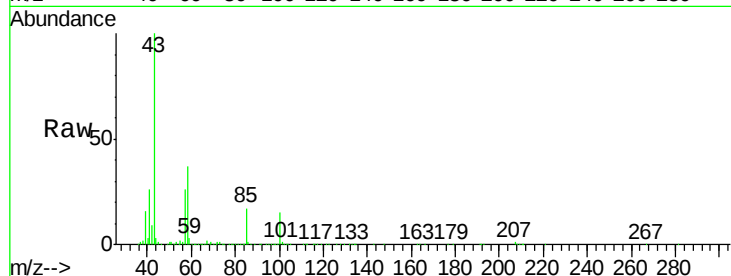
43 100

58 37.0 29.7 44.5

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#52

Toluene

Concen: 16.629 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008407.D

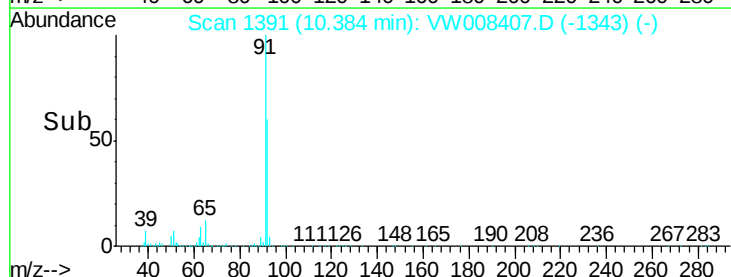
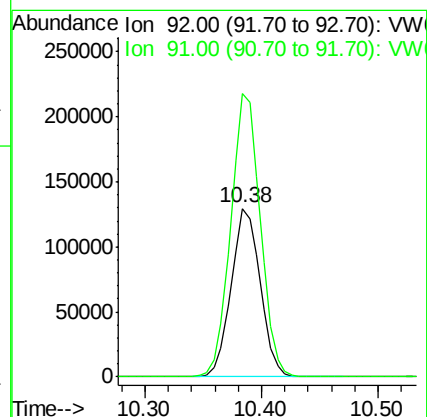
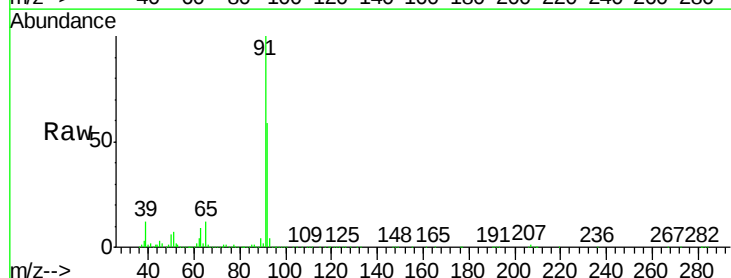
Acq: 25 Jan 2019 13:29

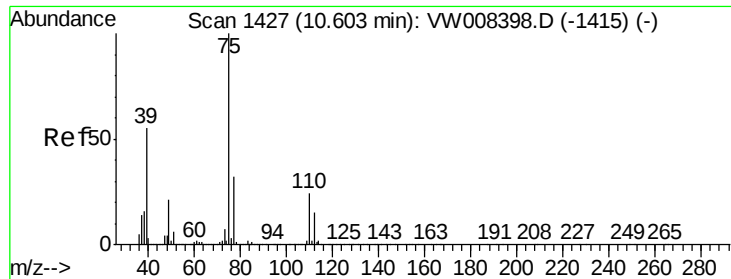
Tgt Ion: 92 Resp: 224340

Ion Ratio Lower Upper

92 100

91 170.7 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 16.005 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion: 75 Resp: 118062

Ion Ratio Lower Upper

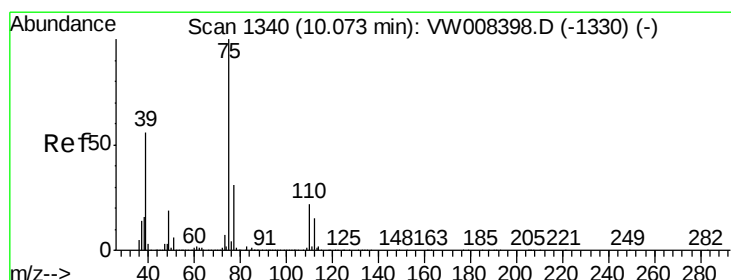
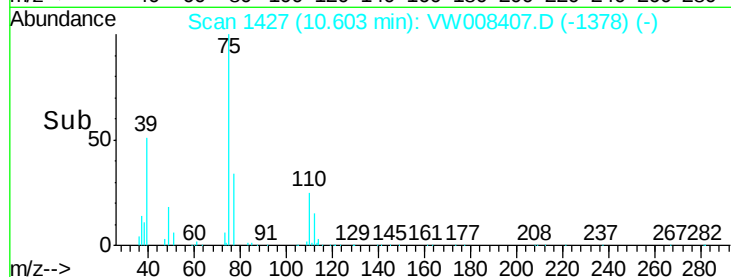
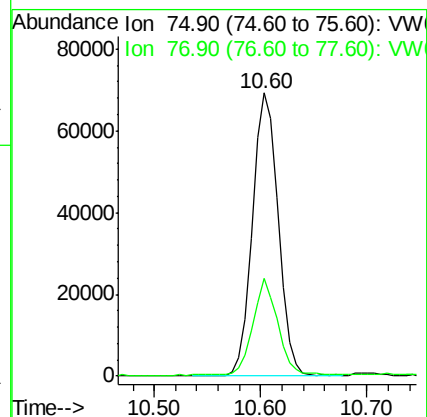
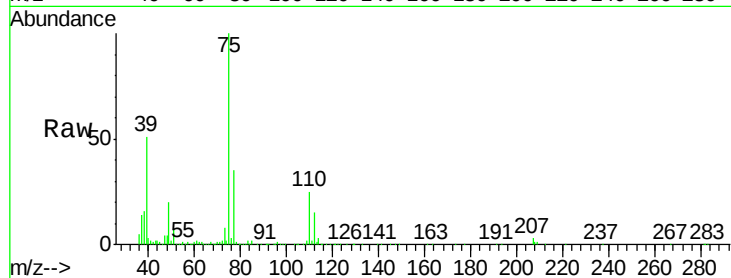
75 100

77 33.9 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 16.058 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

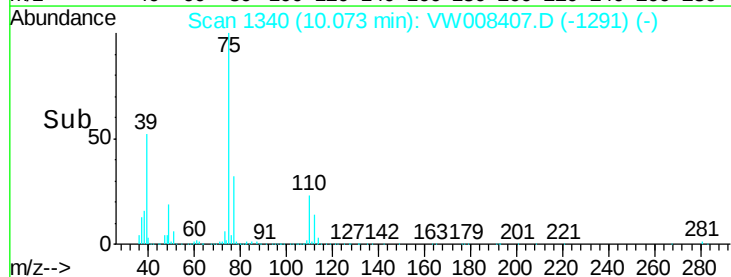
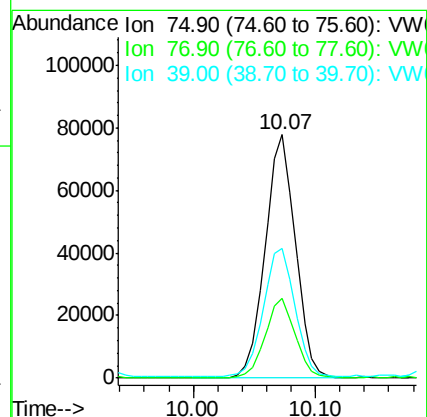
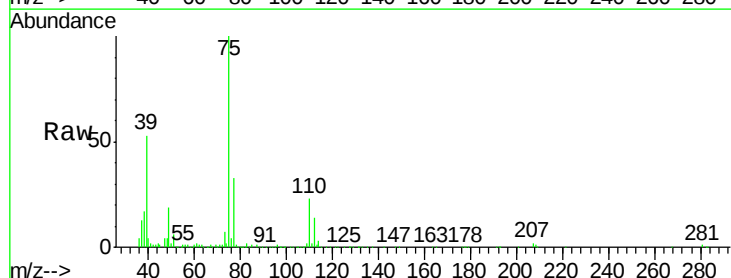
Tgt Ion: 75 Resp: 134427

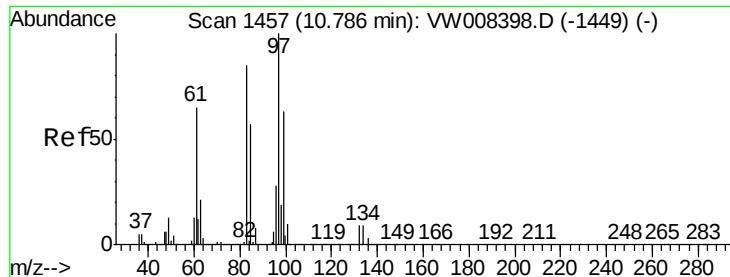
Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.4

39 52.5 44.9 67.3





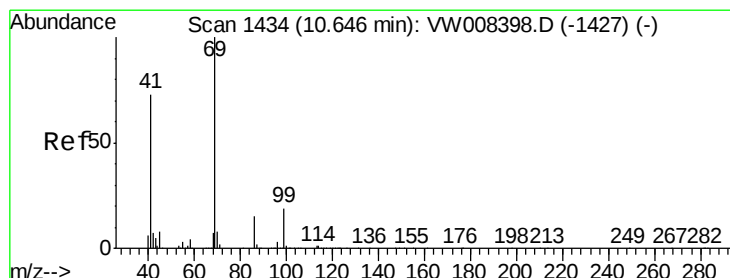
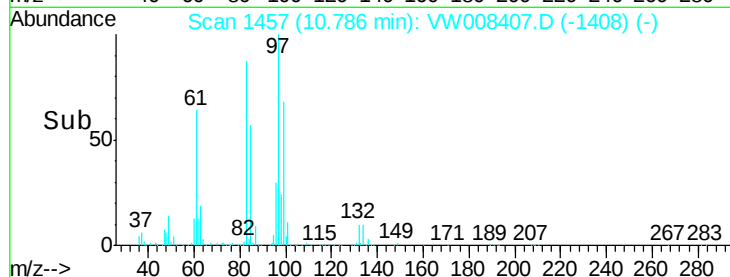
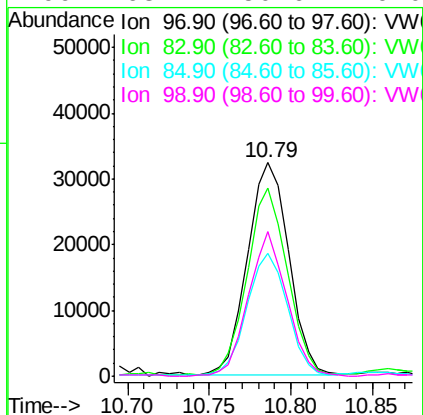
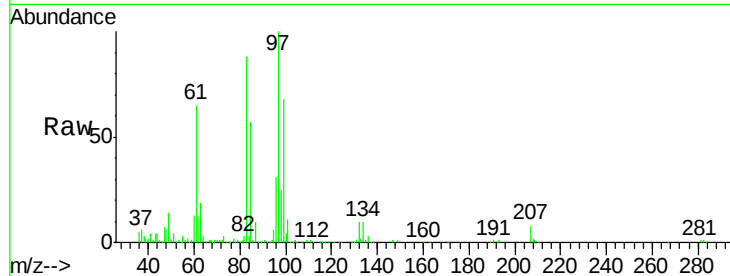
#55
 1,1,2-Trichloroethane
 Concen: 15.669 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008407.D
 Acq: 25 Jan 2019 13:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0125SBS01

Tot Ion:	97	Resp:	56965
Ion	Ratio	Lower	Upper
97	100		
83	87.7	68.4	102.6
85	56.9	45.3	67.9
99	68.2	50.6	76.0

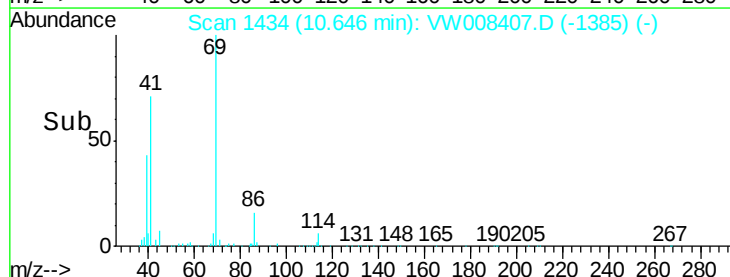
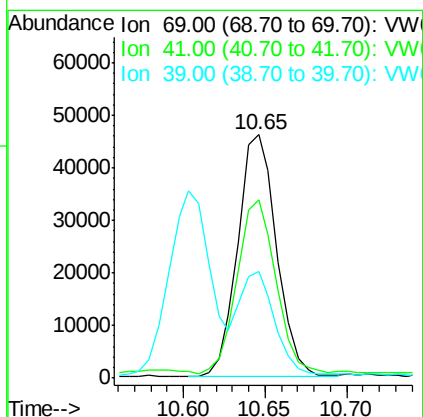
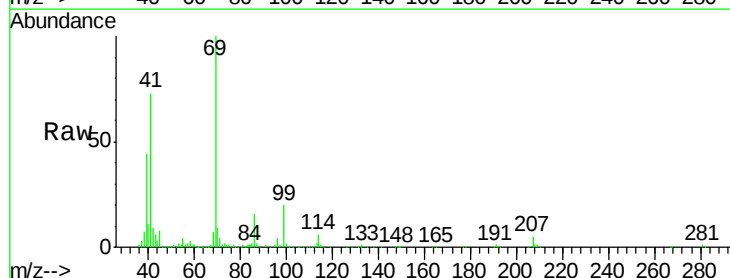
Manual Integrations
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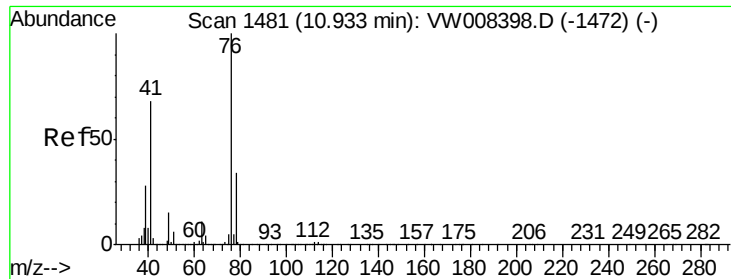
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#56
 Ethyl methacrylate
 Concen: 15.008 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008407.D
 Acq: 25 Jan 2019 13:29

Tgt Ion:	69	Resp:	76452
Ion	Ratio	Lower	Upper
69	100		
41	70.9	58.7	88.1
39	38.8	32.6	48.8





#57

1,3-Dichloropropane

Concen: 16.041 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion: 76 Resp: 104476

Ion Ratio Lower Upper

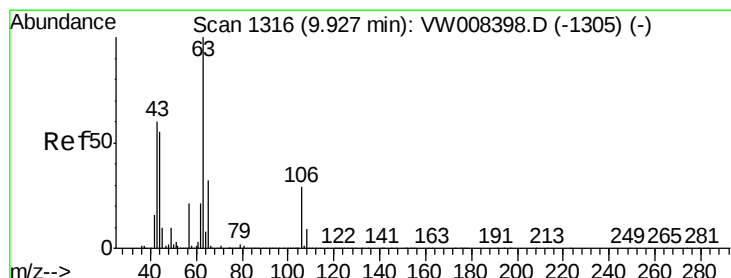
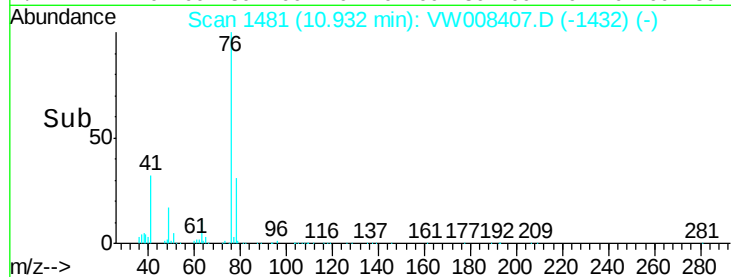
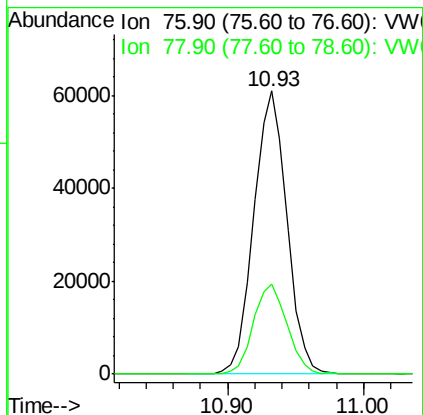
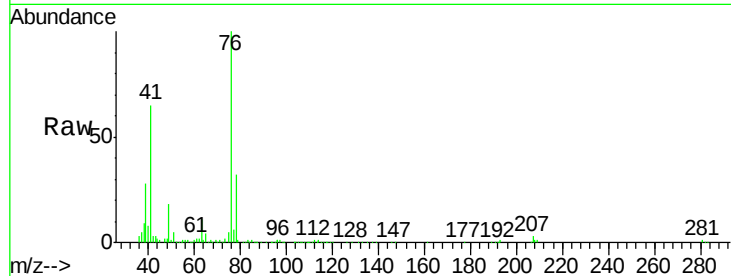
76 100

78 32.7 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 85.533 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008407.D

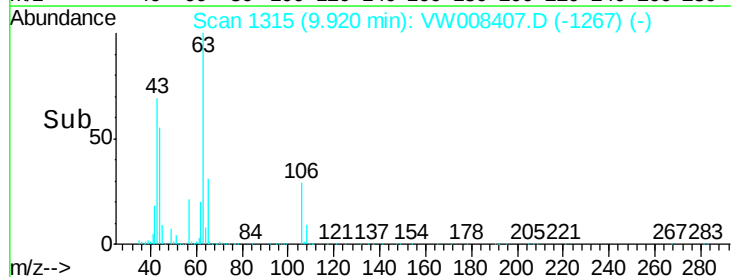
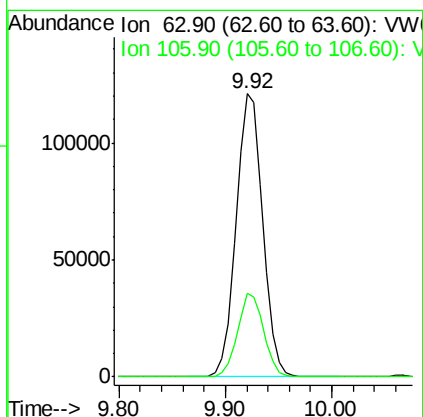
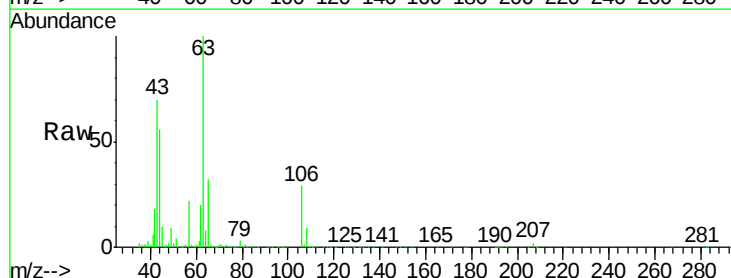
Acq: 25 Jan 2019 13:29

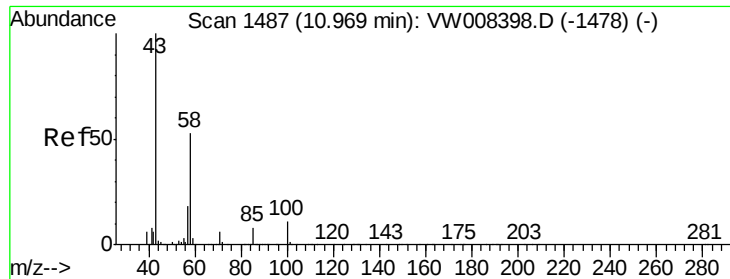
Tgt Ion: 63 Resp: 211698

Ion Ratio Lower Upper

63 100

106 29.0 22.4 33.6





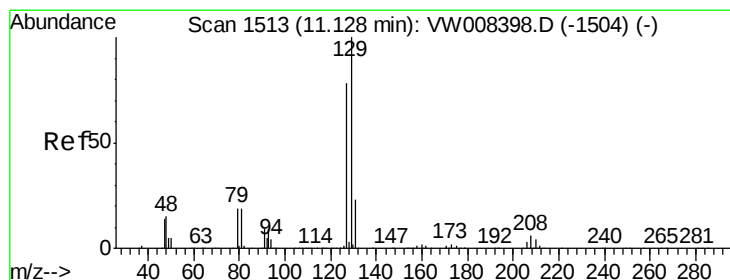
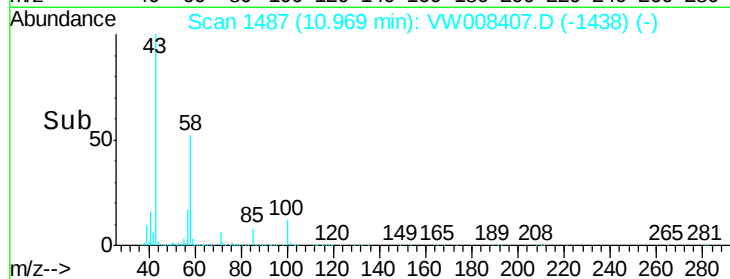
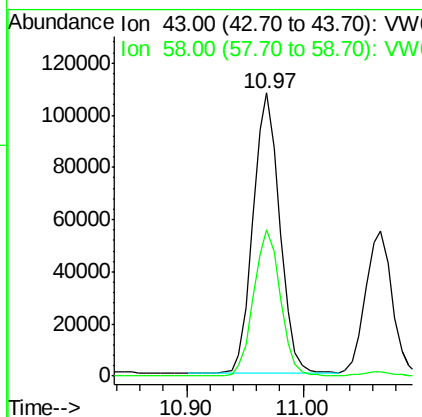
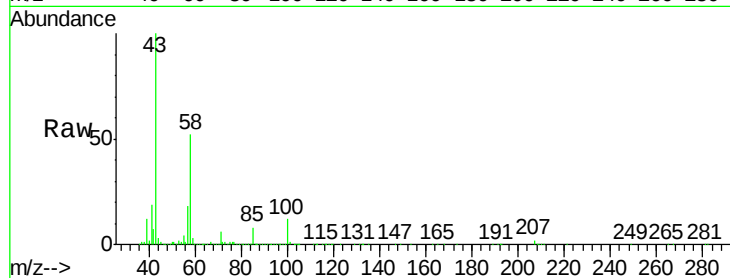
#59
2-Hexanone
Concen: 73.216 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion: 43 Resp: 172867
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.7

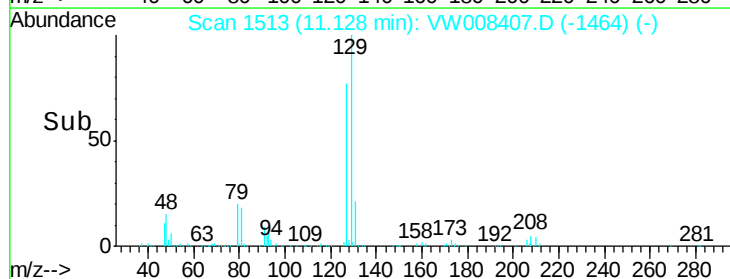
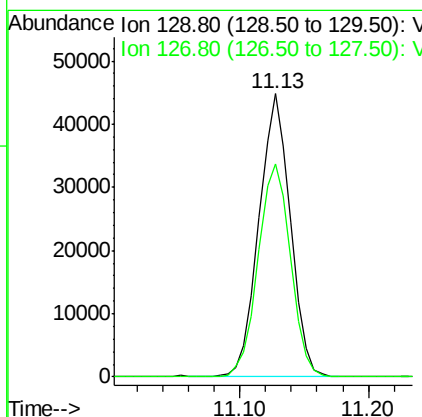
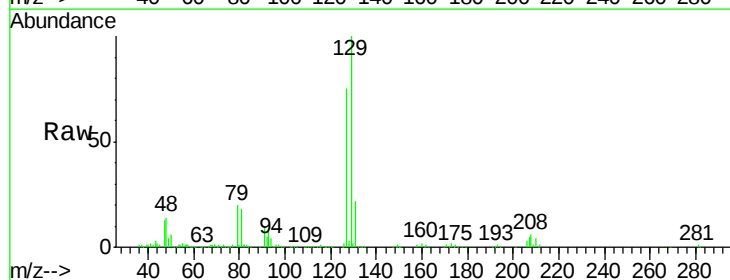
Manual Integrations
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1/28/2019 12:45:46 PM



#60
Dibromochloromethane
Concen: 16.130 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion: 129 Resp: 75356
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 15.991 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion: 107 Resp: 57641

Ion Ratio Lower Upper

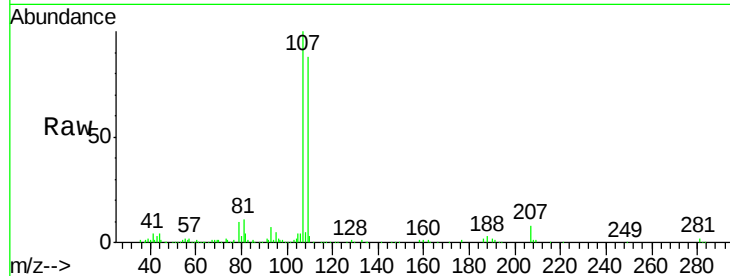
107 100

109 91.0 75.0 112.4

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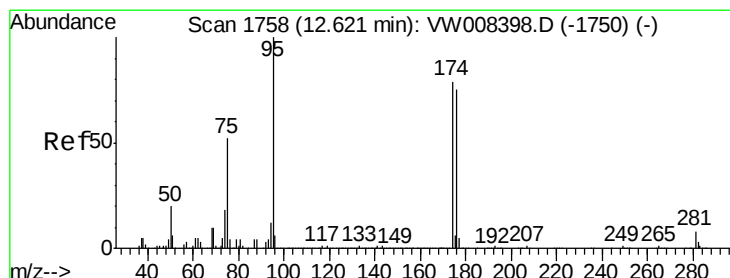
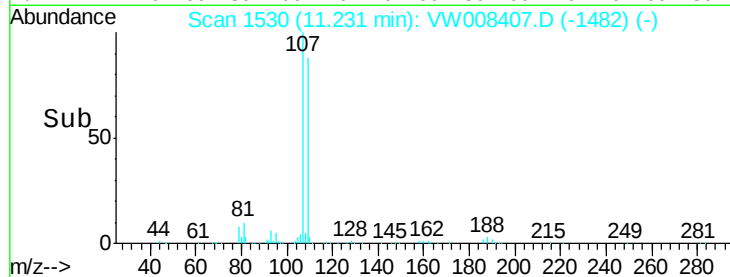
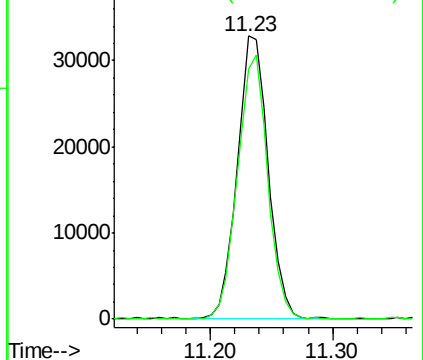
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.681 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

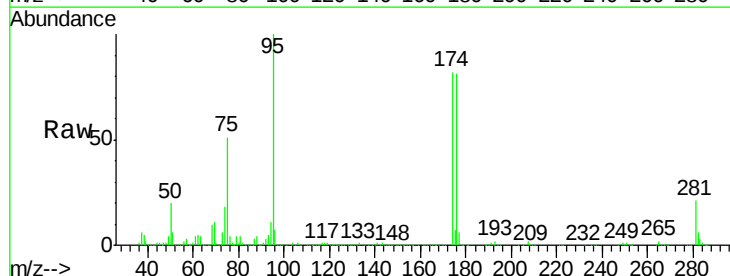
Tgt Ion: 95 Resp: 356160

Ion Ratio Lower Upper

95 100

174 81.7 0.0 157.6

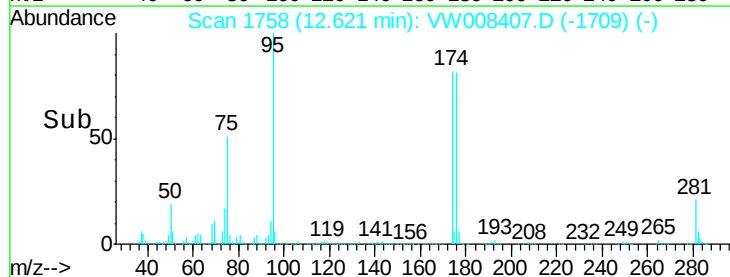
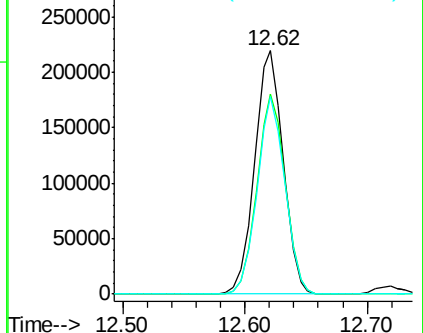
176 79.2 0.0 151.8

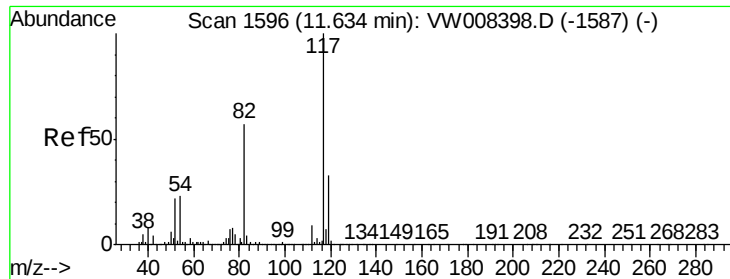


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





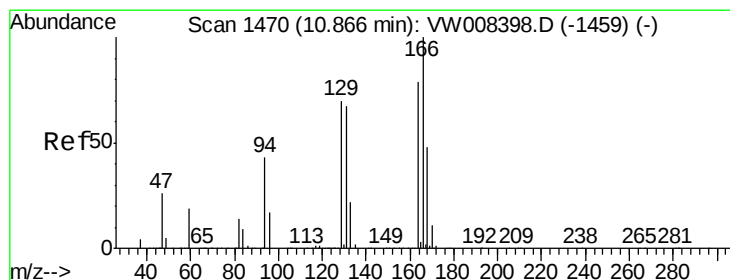
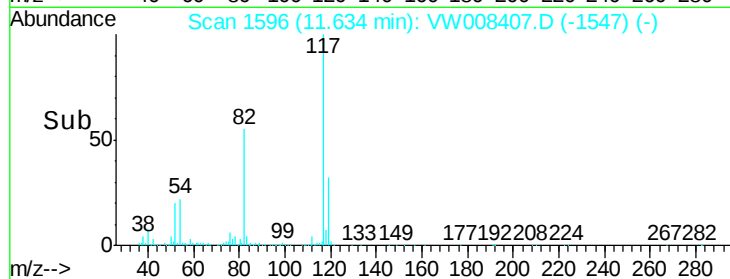
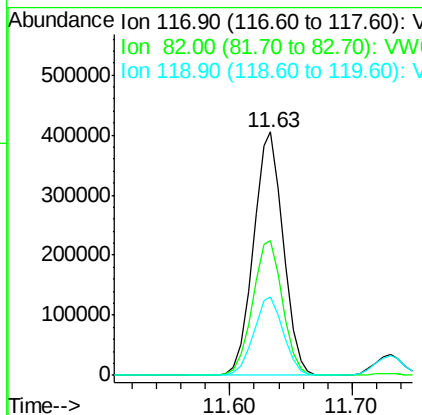
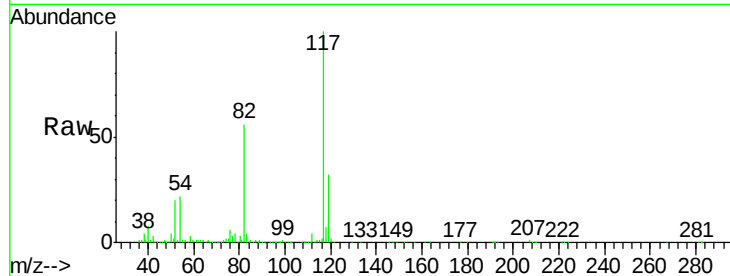
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	683287		
82	55.5		45.4	68.0
119	32.0		26.2	39.4

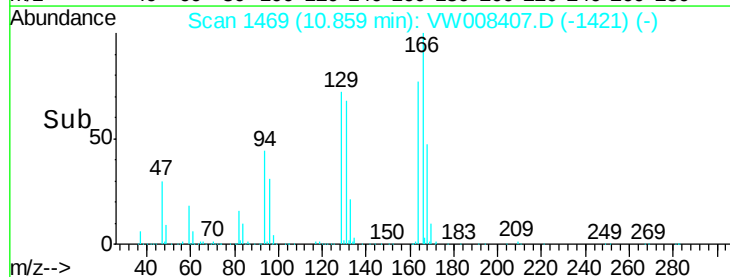
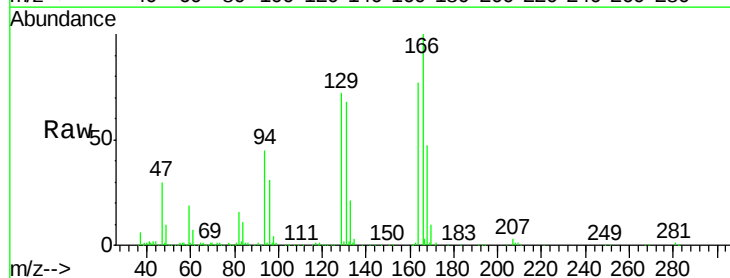
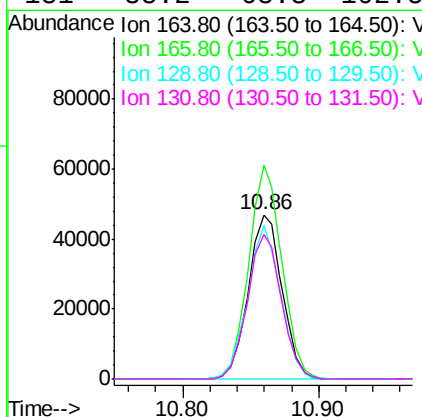
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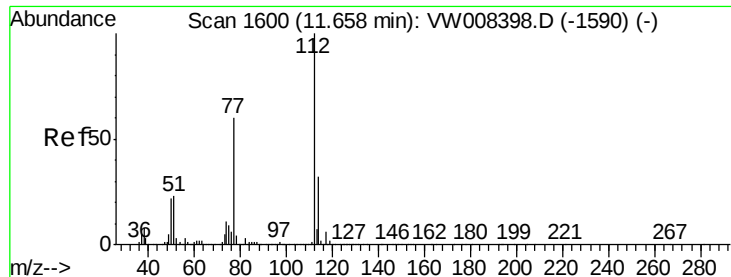
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#64
Tetrachloroethene
Concen: 17.692 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81849		
166	130.1		101.4	152.0
129	93.2		71.0	106.6
131	88.2		68.3	102.5





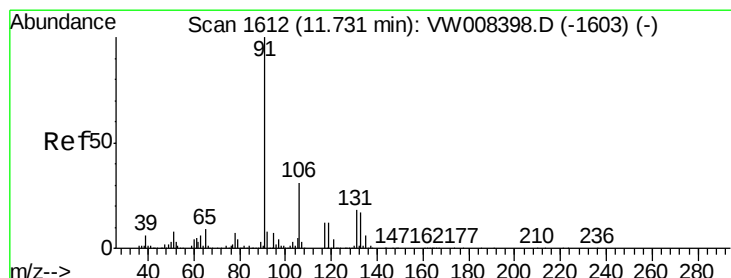
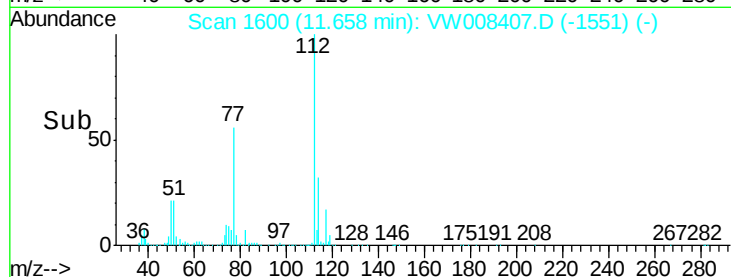
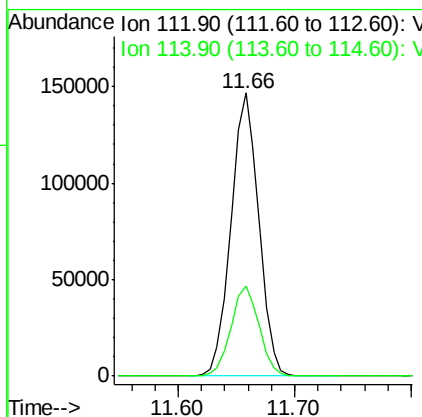
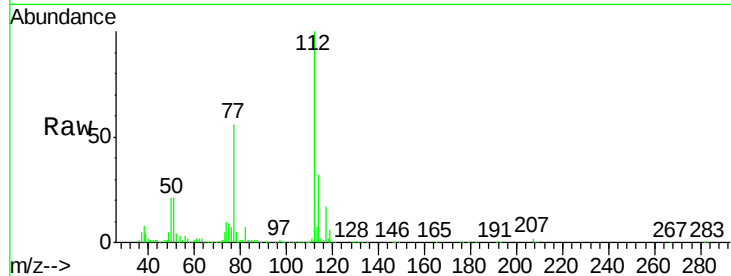
#65
Chlorobenzene
Concen: 17.385 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion:112 Resp: 242494
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

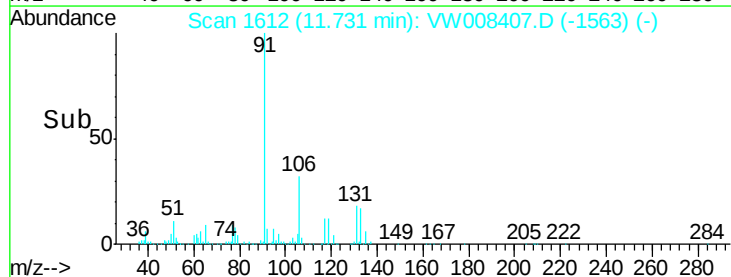
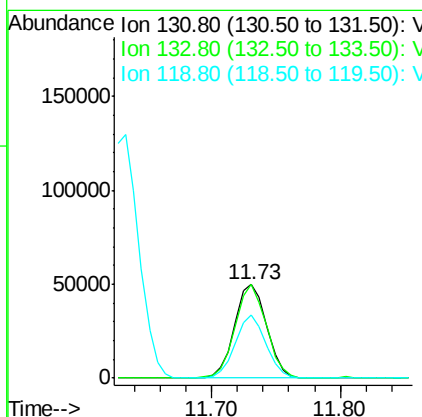
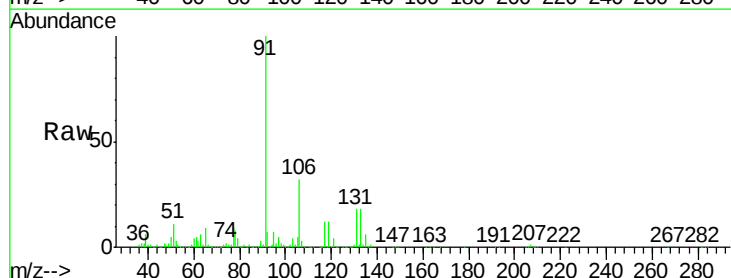
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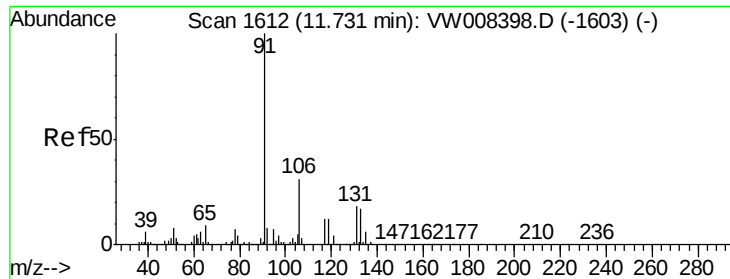
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.332 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion:131 Resp: 86494
Ion Ratio Lower Upper
131 100
133 95.1 47.0 141.2
119 63.6 32.1 96.3





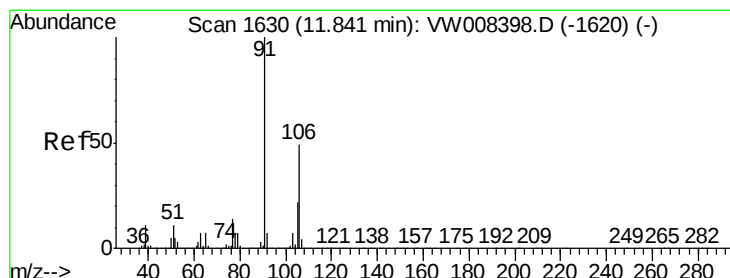
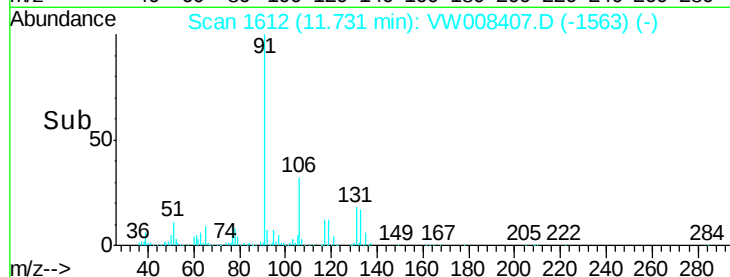
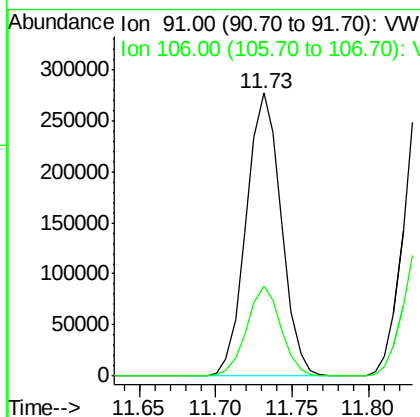
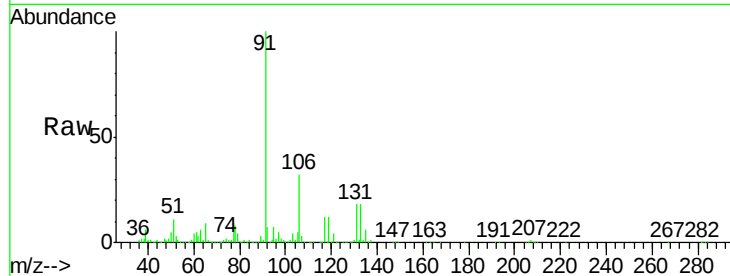
#67
Ethyl Benzene
Concen: 17.182 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion: 91 Resp: 440521
Ion Ratio Lower Upper
91 100
106 31.9 24.7 37.1

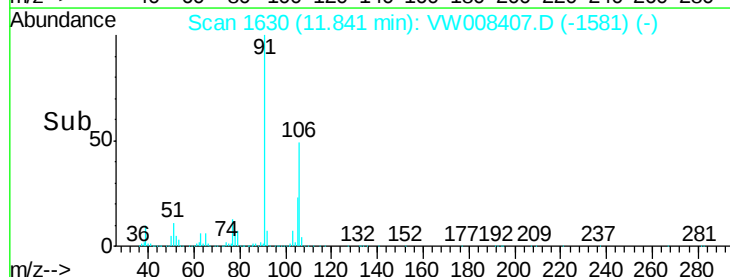
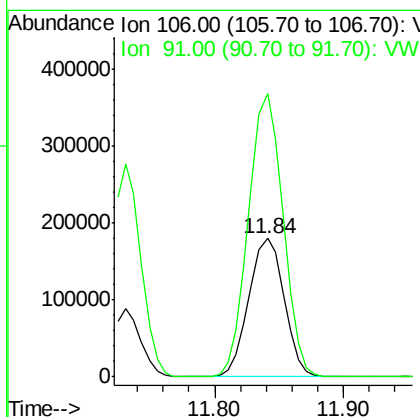
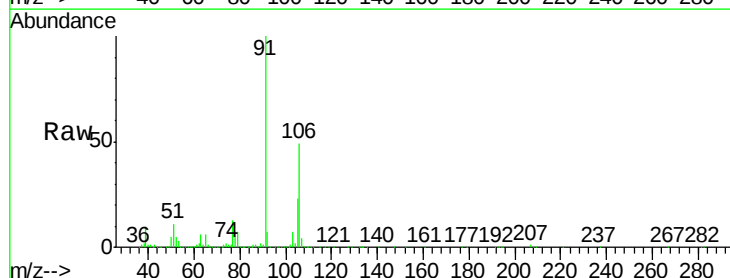
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#68
m/p-Xylenes
Concen: 34.266 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion: 106 Resp: 340878
Ion Ratio Lower Upper
106 100
91 200.4 162.9 244.3





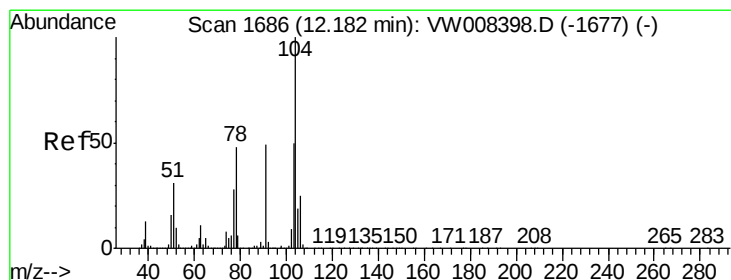
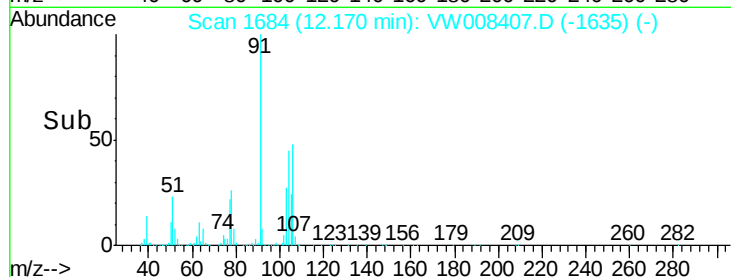
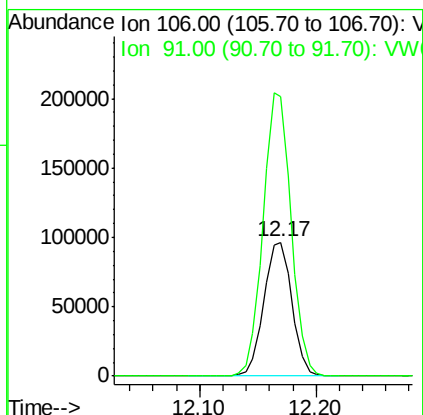
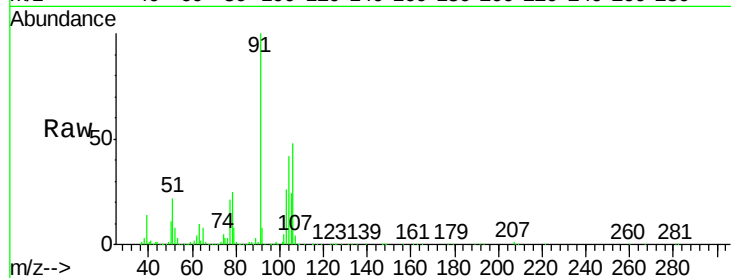
#69
o-Xylene
Concen: 17.176 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.9	107.5	322.4

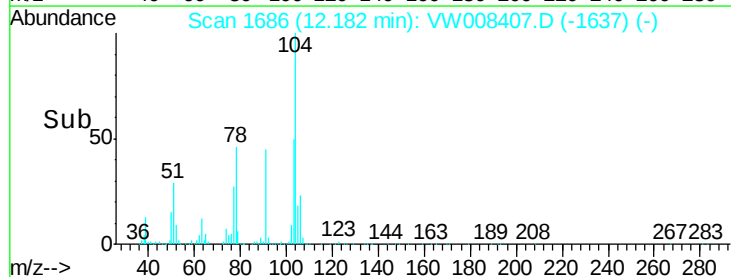
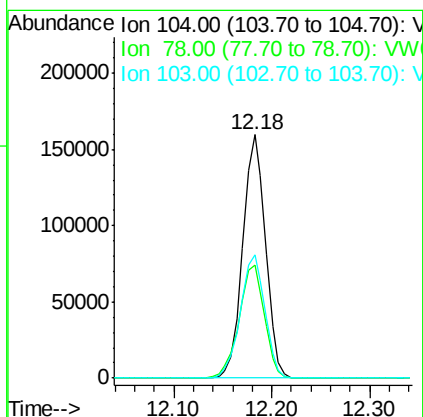
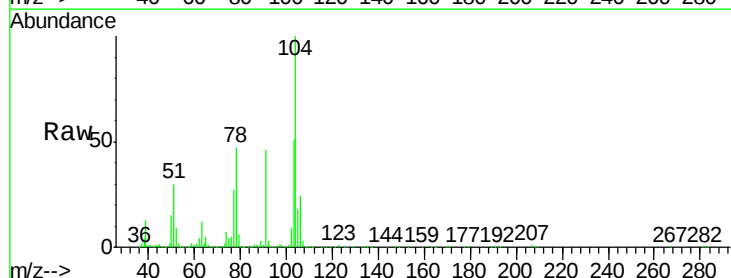
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#70
Styrene
Concen: 16.488 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.4	63.6
103	54.9	43.4	65.0





#71

Bromoform

Concen: 16.455 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

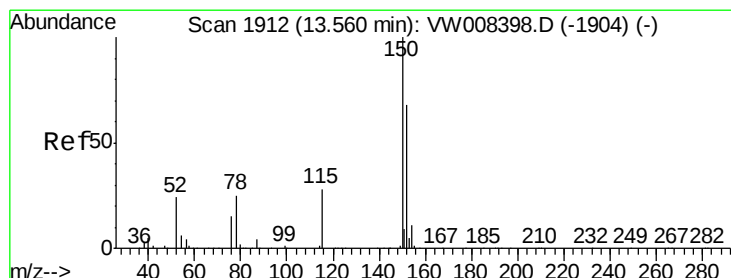
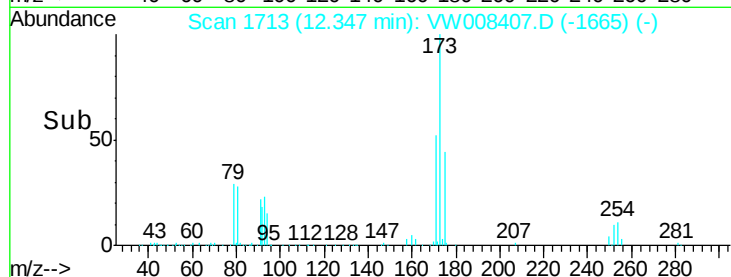
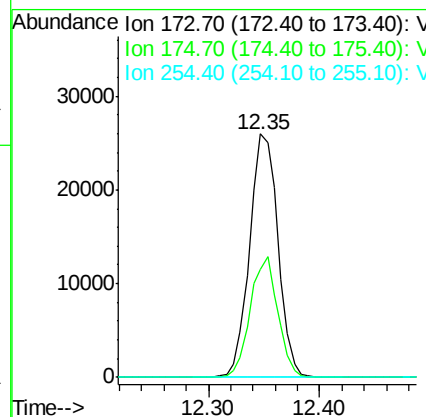
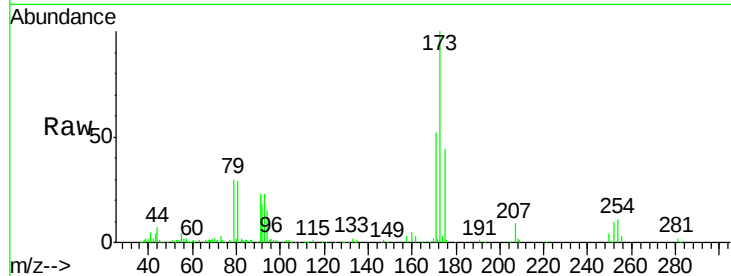
ClientSampleId :

VW0125SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.4
254	0.0	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

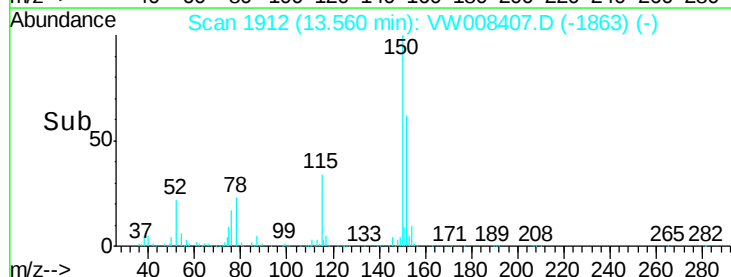
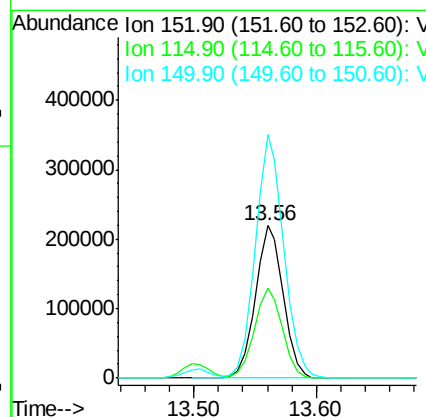
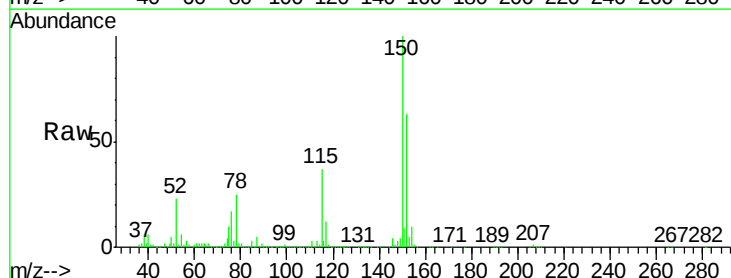
RT: 13.56 min Scan# 1912

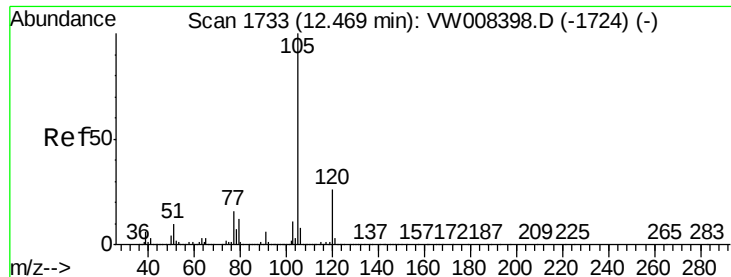
Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.9	89.7
150	163.7	0.0	351.4





#73

Isopropylbenzene

Concen: 17.504 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion: 105 Resp: 451238

Ion Ratio Lower Upper

105 100

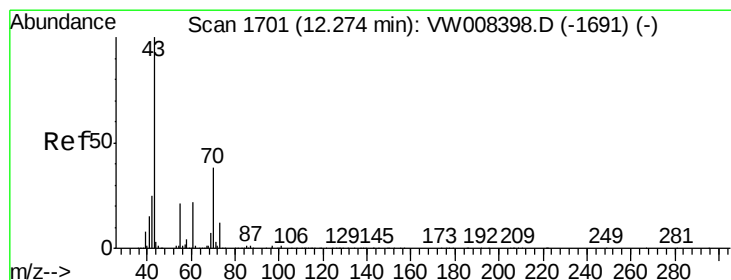
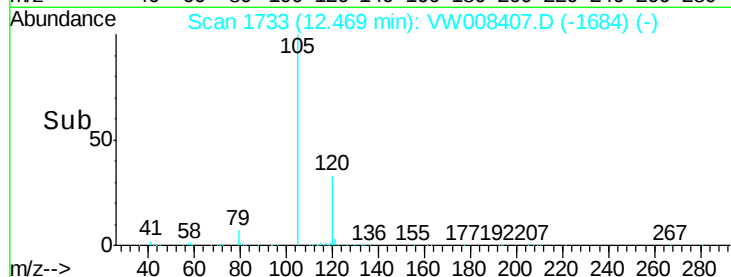
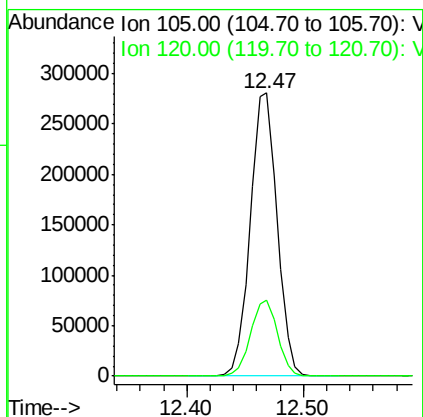
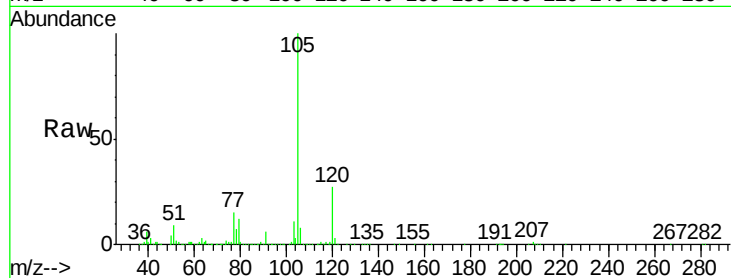
120 26.9 13.3 39.8

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#74

N-ethyl acetate

Concen: 14.991 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Tgt Ion: 43 Resp: 99557

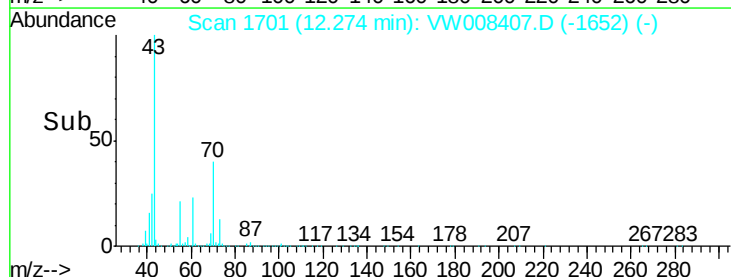
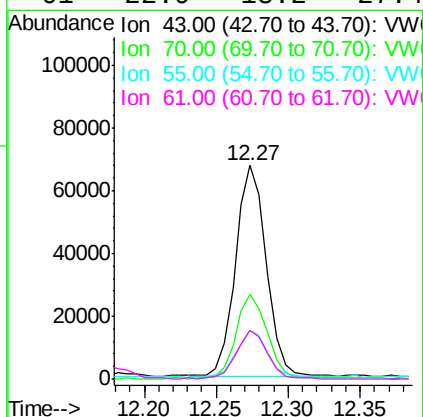
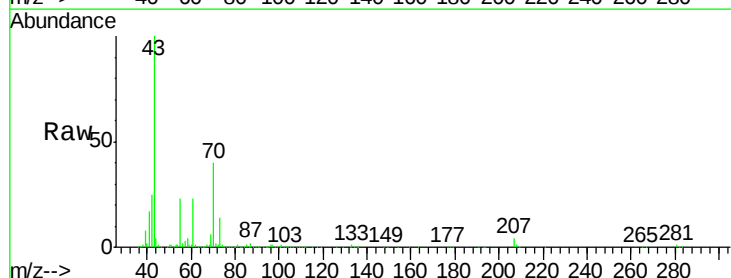
Ion Ratio Lower Upper

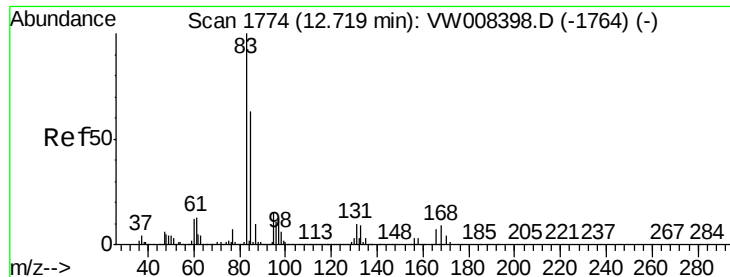
43 100

70 40.3 31.0 46.6

55 22.6 17.4 26.2

61 22.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 15.575 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

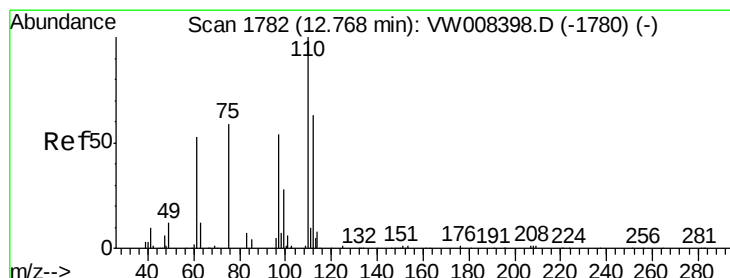
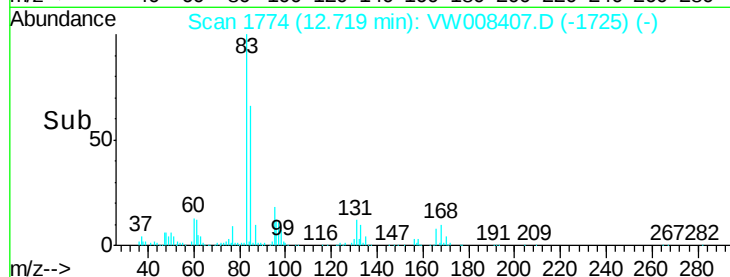
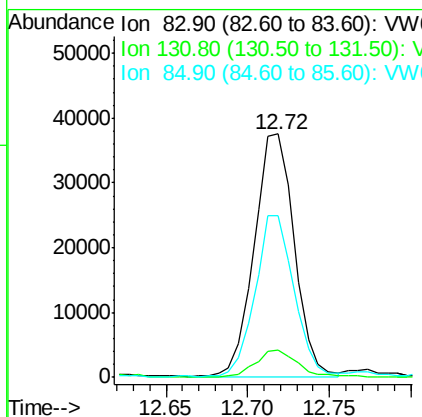
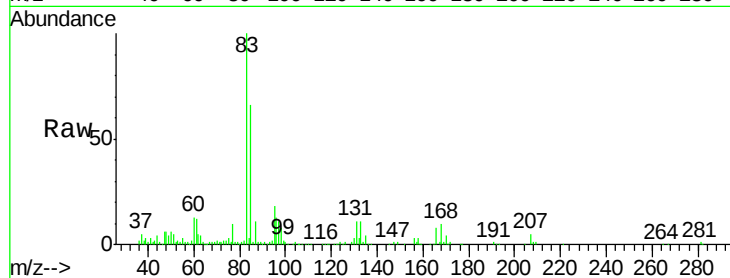
ClientSampleId :

VW0125SBS01

Tot Ion:	83	Resp:	63566
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.5	16.4
85	65.1	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 16.599 ug/l m

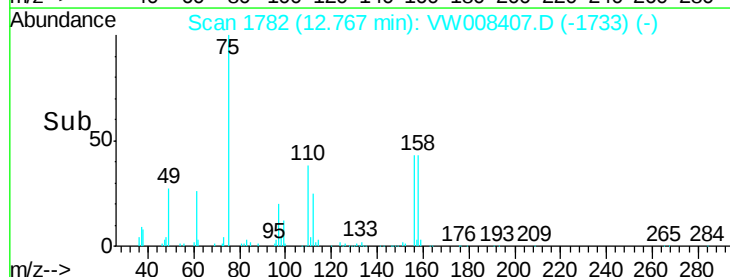
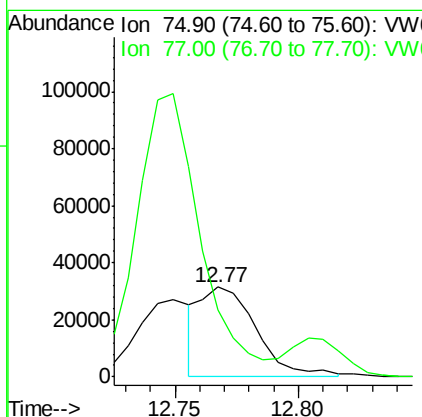
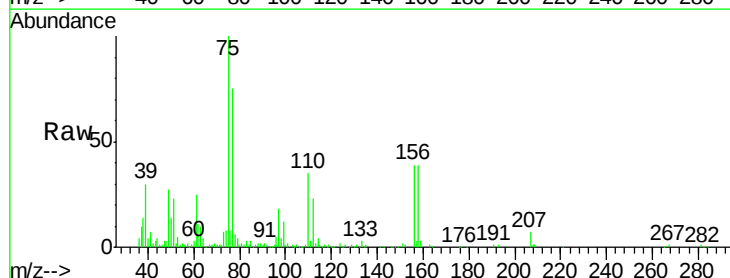
RT: 12.77 min Scan# 1782

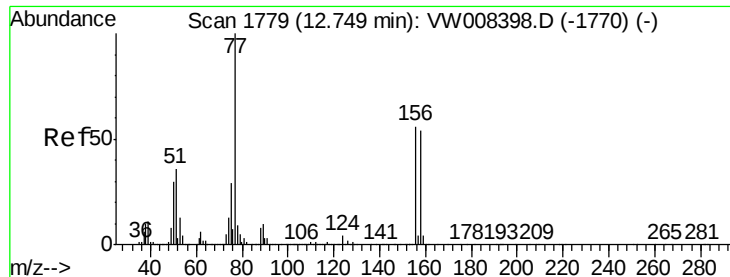
Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Tgt Ion:	75	Resp:	49903
Ion Ratio	Lower	Upper	
75	100		
77	355.5	180.7	542.1





#77

Bromobenzene

Concen: 17.435 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

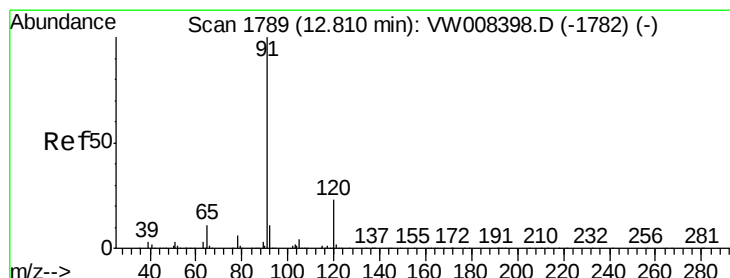
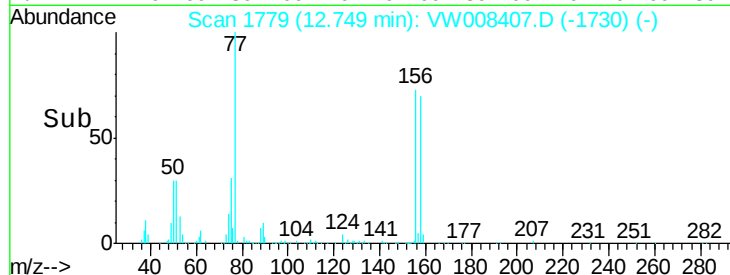
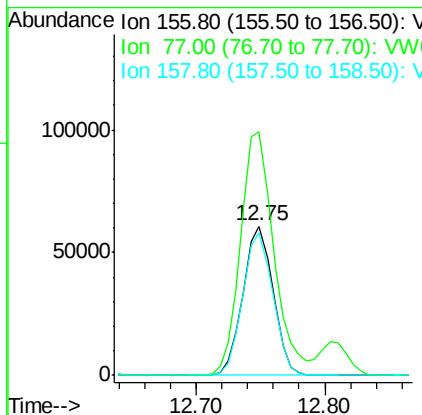
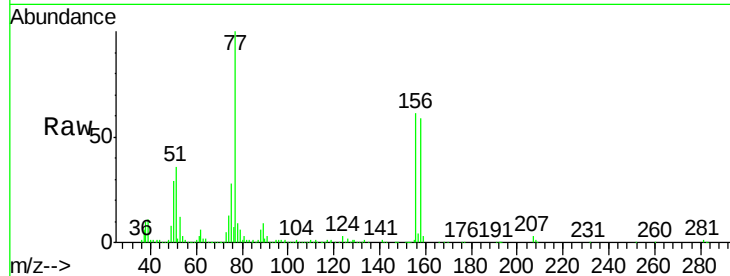
ClientSampleId :

VW0125SBS01

Tot Ion:	156	Resp:	98157
Ion Ratio	Lower	Upper	
156	100		
77	180.7	96.9	290.7
158	96.4	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 17.210 ug/l

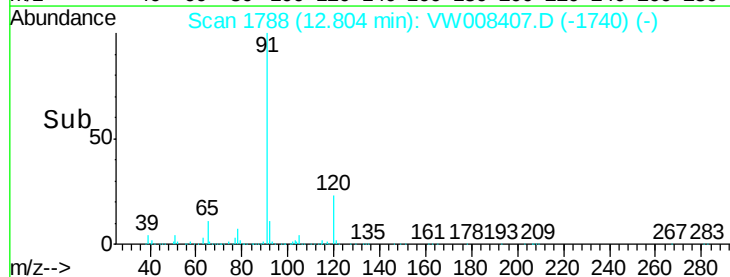
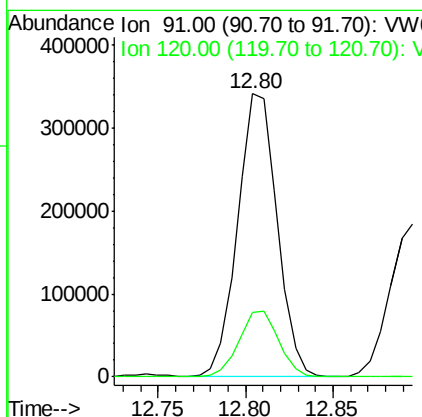
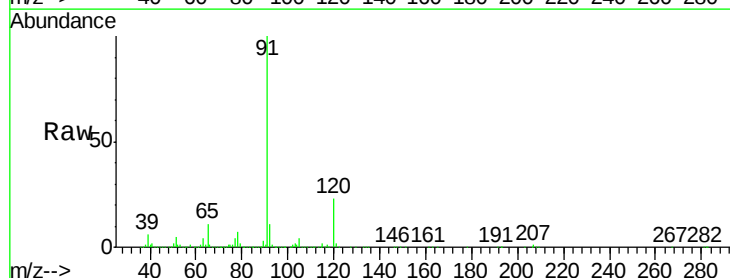
RT: 12.80 min Scan# 1788

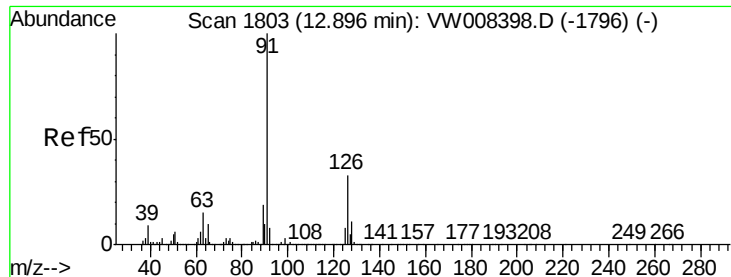
Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Tgt Ion:	91	Resp:	532849
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.4	34.1





#79

2-Chlorotoluene

Concen: 17.017 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

VW0125SBS01

Tot Ion: 91 Resp: 297318

Ion Ratio Lower Upper

91 100

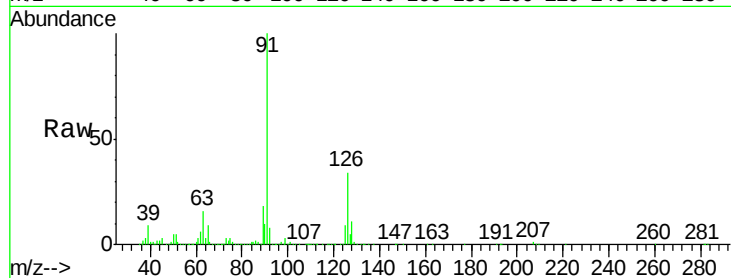
126 33.6 16.5 49.5

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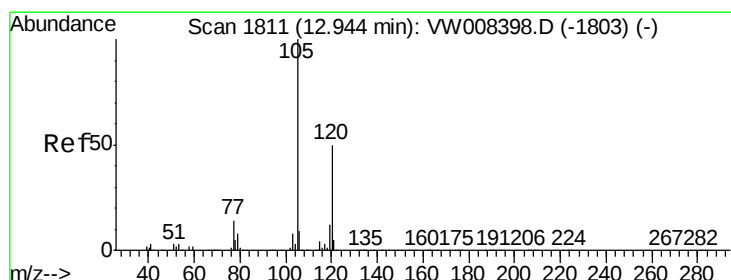
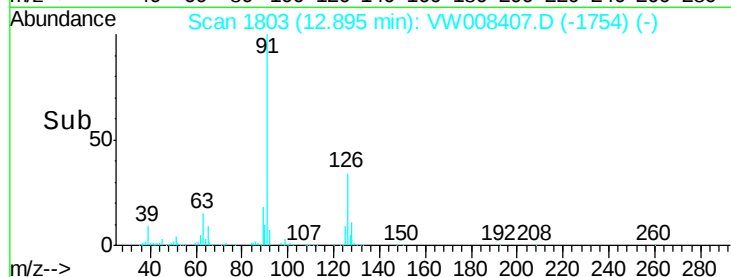
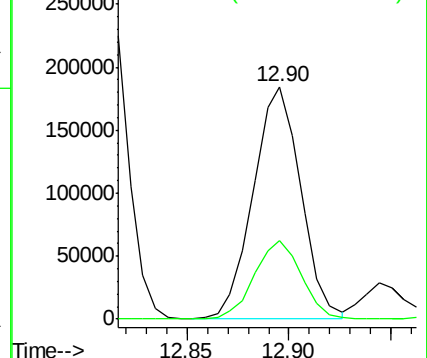
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 17.308 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008407.D

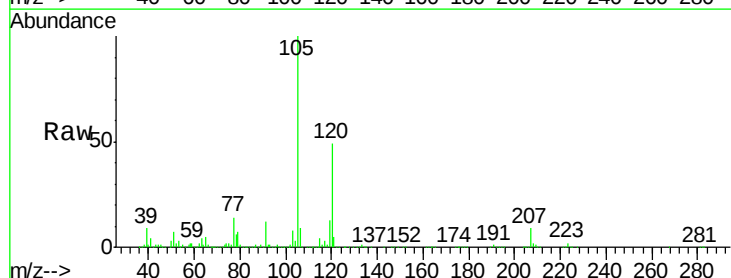
Acq: 25 Jan 2019 13:29

Tgt Ion: 105 Resp: 372923

Ion Ratio Lower Upper

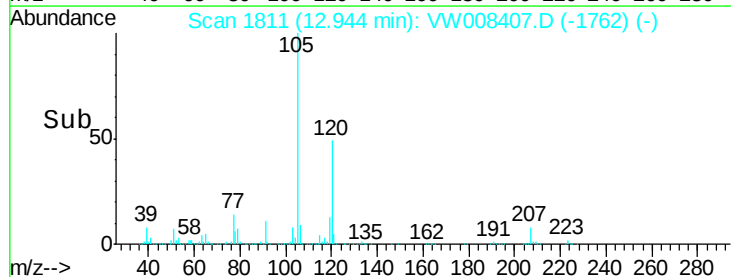
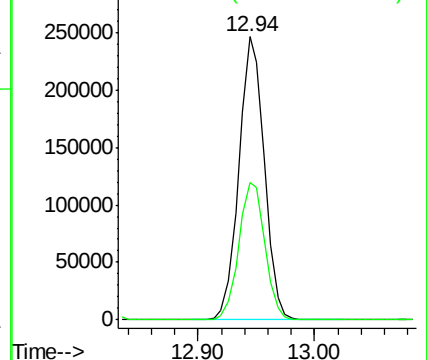
105 100

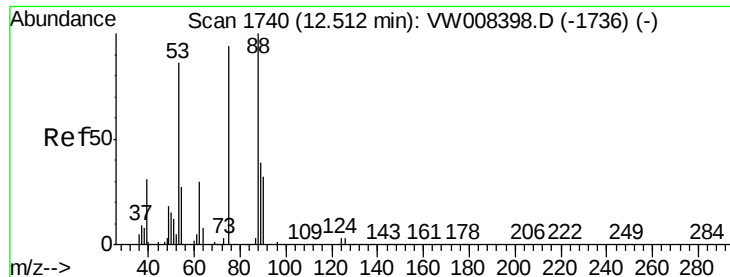
120 50.1 24.6 73.8



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: 15.083 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

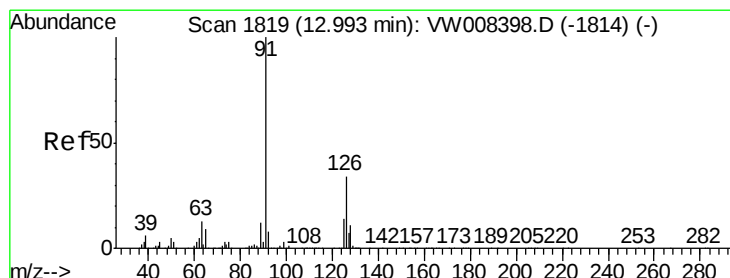
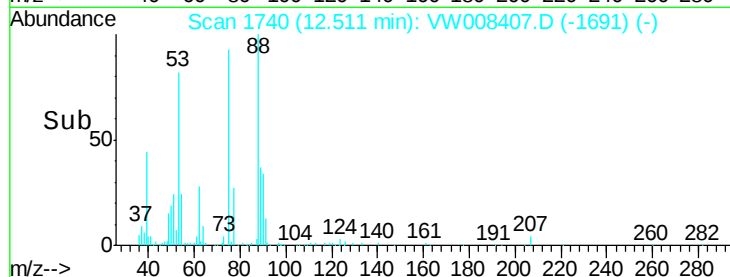
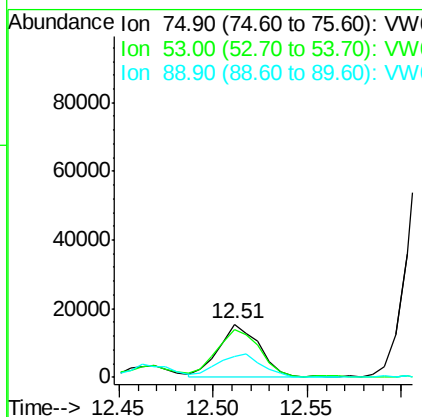
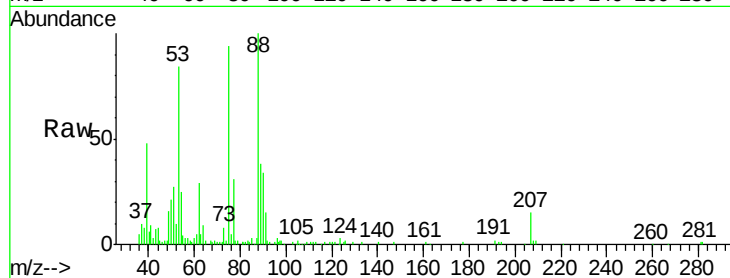
ClientSampleId :

VW0125SBS01

Tot Ion:	75	Resp:	22958
Ion	Ratio	Lower	Upper
75	100		
53	92.8	76.0	114.0
89	48.2	35.4	53.0

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#82

4-Chlorotoluene

Concen: 16.700 ug/l

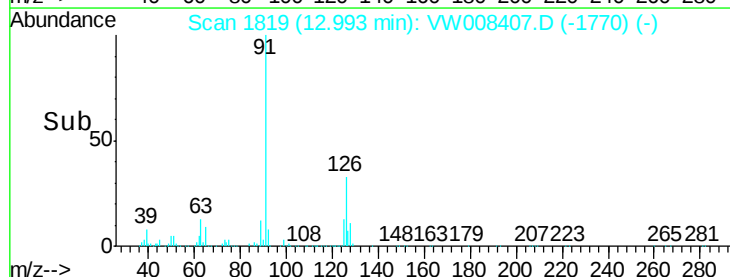
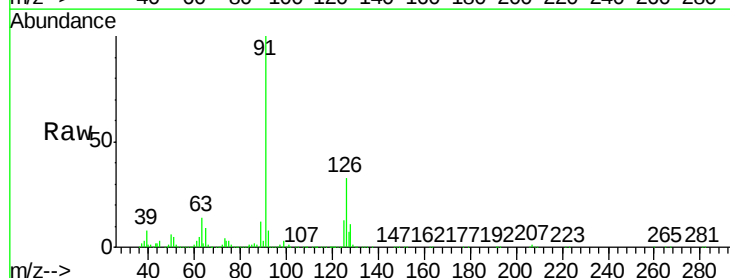
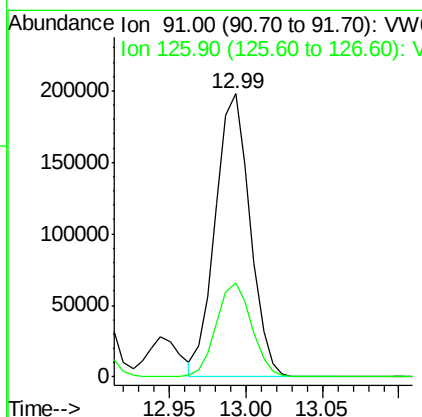
RT: 12.99 min Scan# 1819

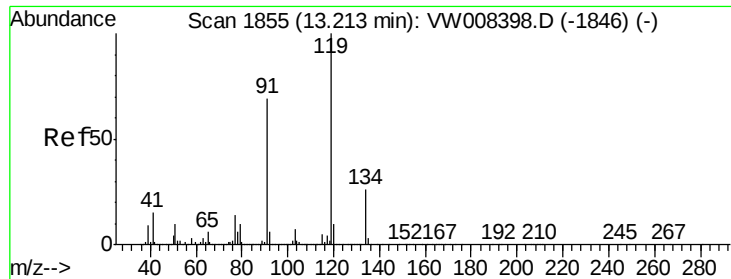
Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Tgt Ion:	91	Resp:	310659
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.4	49.2





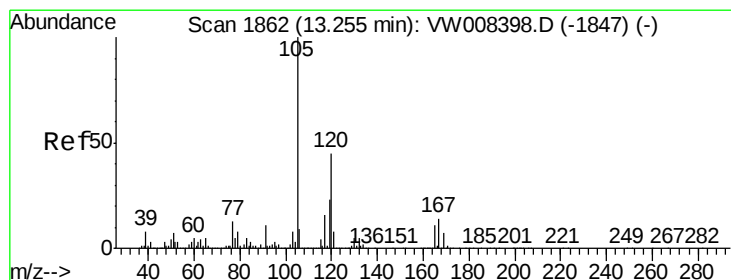
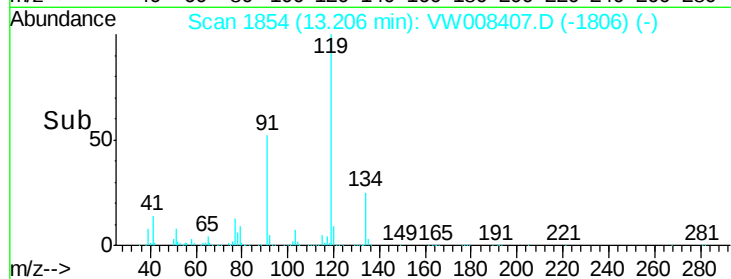
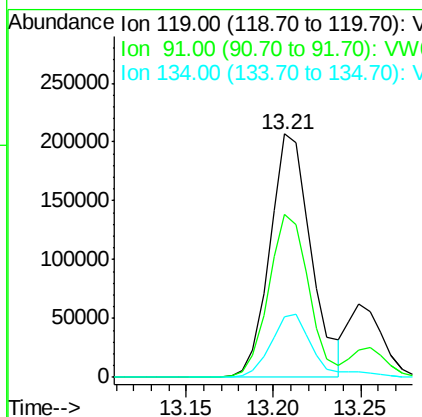
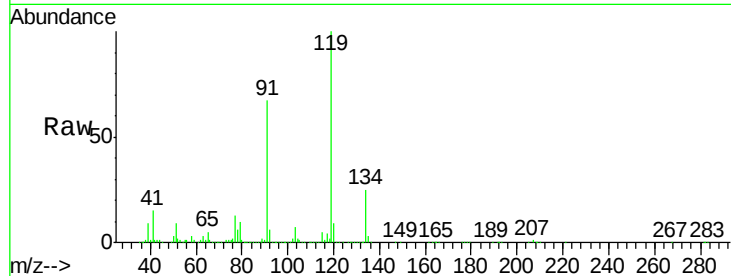
#83
tert-Butylbenzene
Concen: 17.660 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	33.8	101.4
134	27.0	13.5	40.4

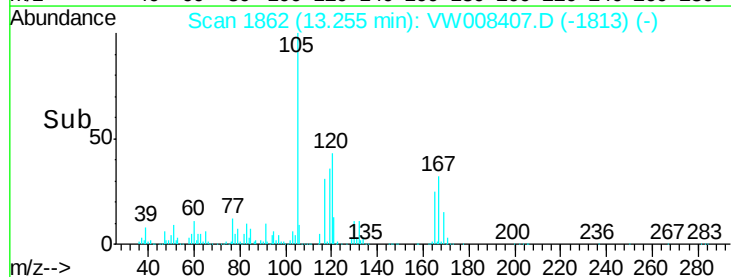
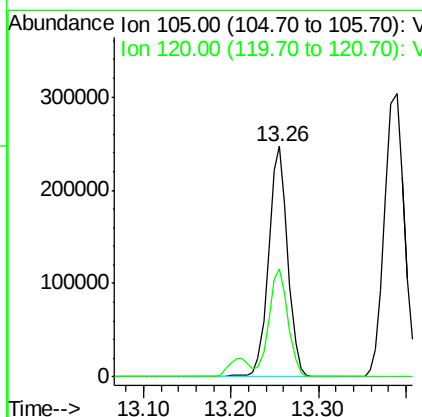
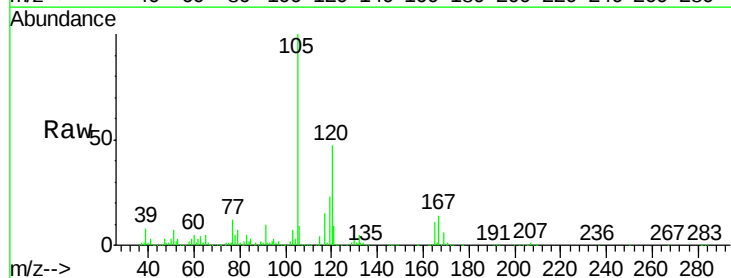
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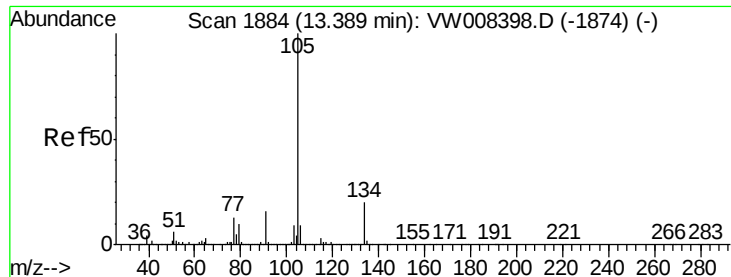
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#84
1,2,4-Trimethylbenzene
Concen: 17.233 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.1	69.2





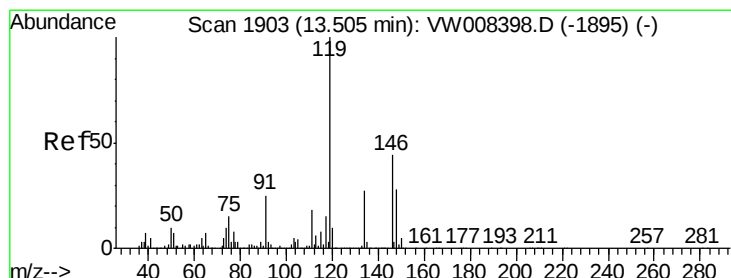
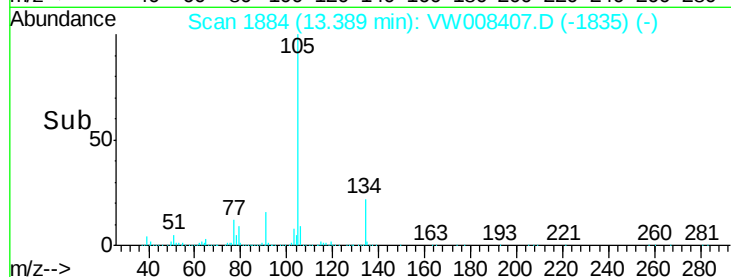
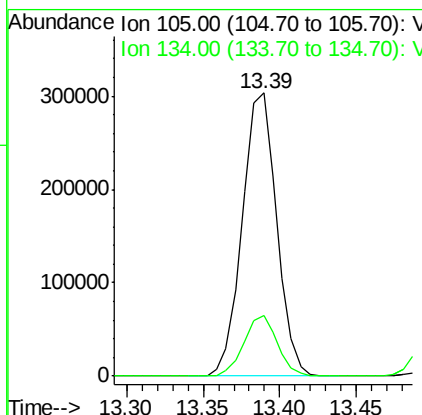
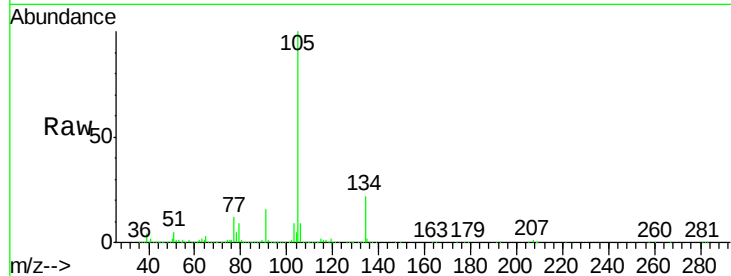
#85
 sec-Butylbenzene
 Concen: 17.280 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008407.D
 Acq: 25 Jan 2019 13:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0125SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.2	30.6

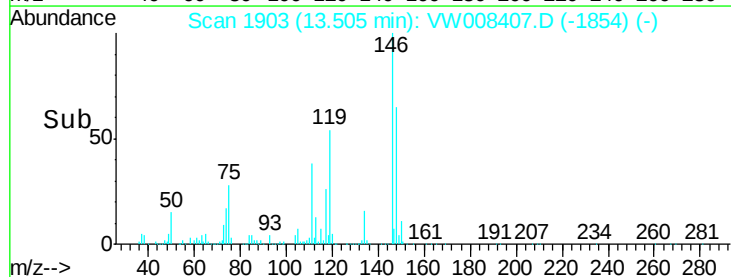
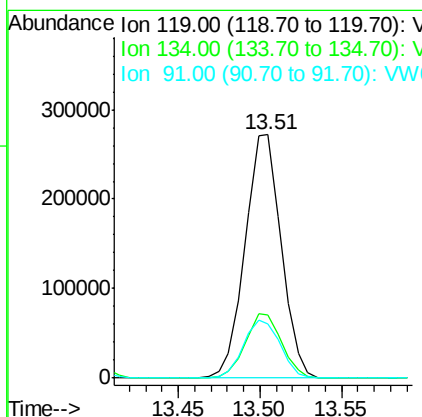
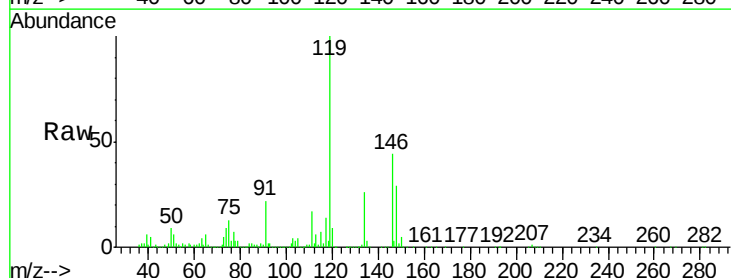
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#86
 p-Isopropyltoluene
 Concen: 17.463 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008407.D
 Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	24.2	12.6	37.6





#87

1,3-Dichlorobenzene

Concen: 17.610 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

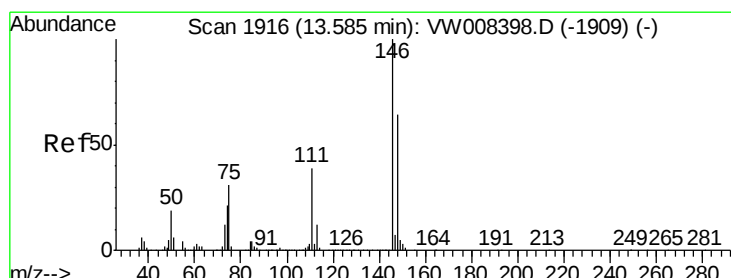
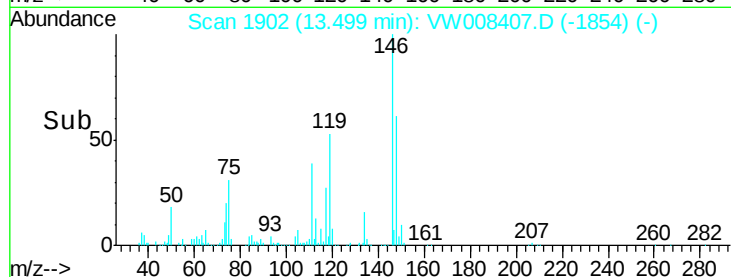
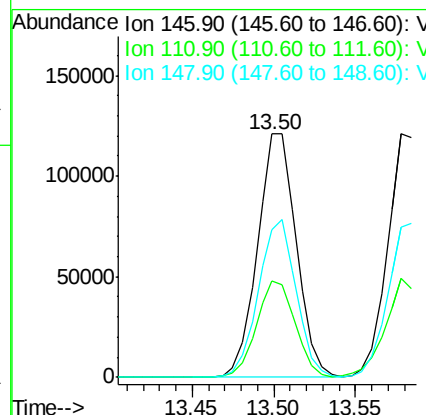
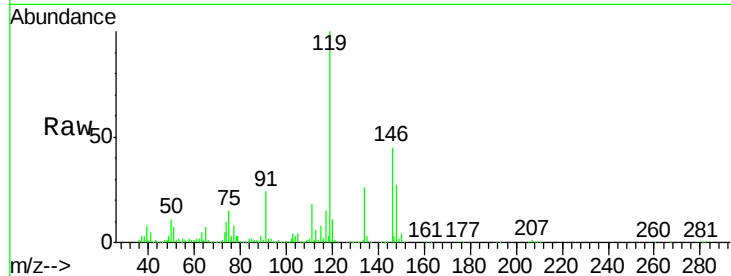
Instrument :
MSVOA_W

ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	200222		
111	39.2	20.3	60.9	
148	63.1	31.9	95.7	

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#88

1,4-Dichlorobenzene

Concen: 17.334 ug/l

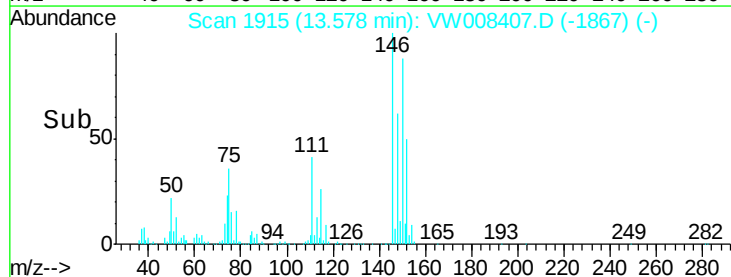
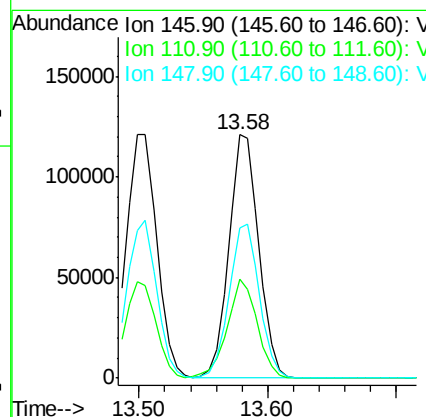
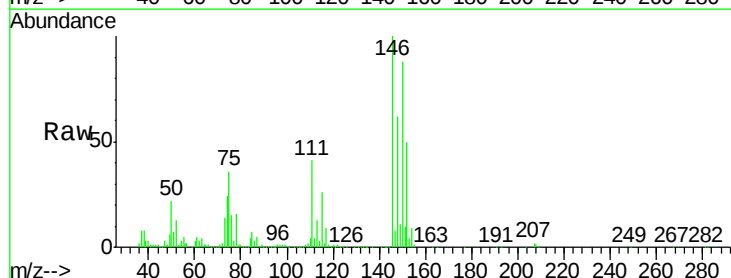
RT: 13.58 min Scan# 1915

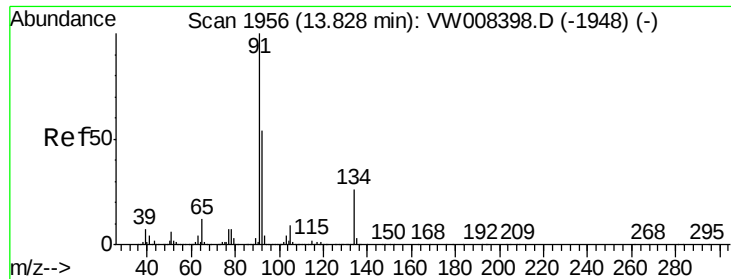
Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	195868		
111	41.3	20.0	60.0	
148	64.5	32.0	96.2	





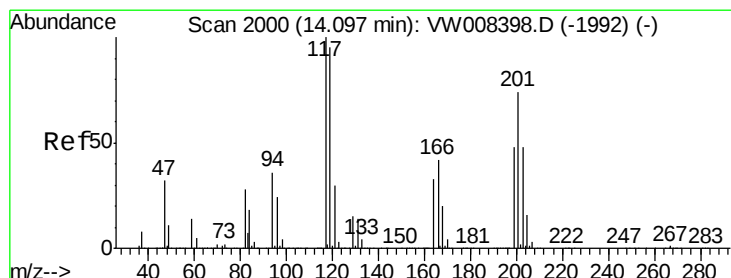
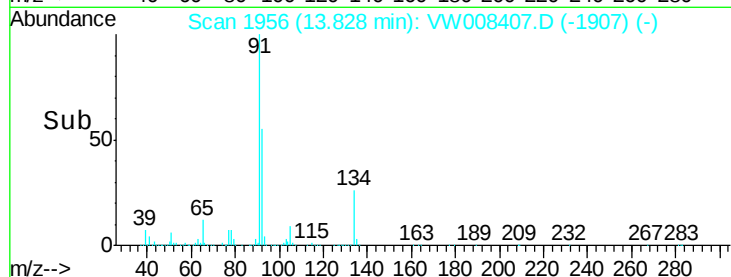
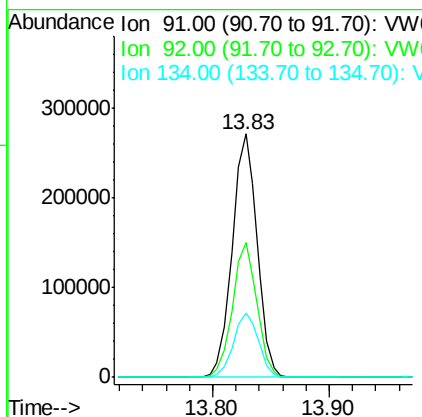
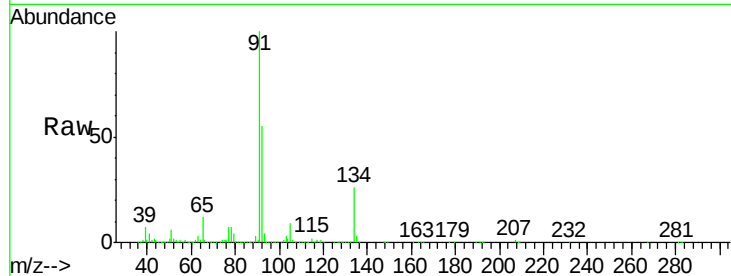
#89
n-Butylbenzene
Concen: 17.148 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.4	82.2
134	26.9	13.0	39.0

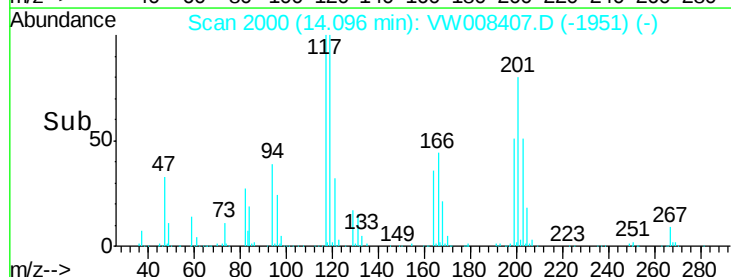
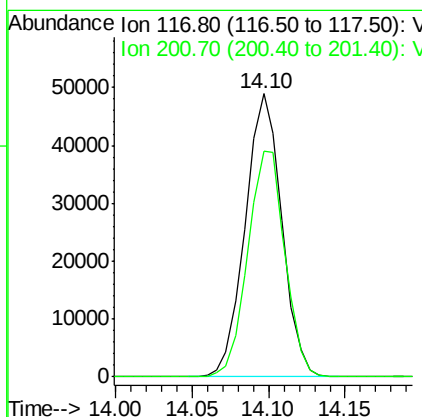
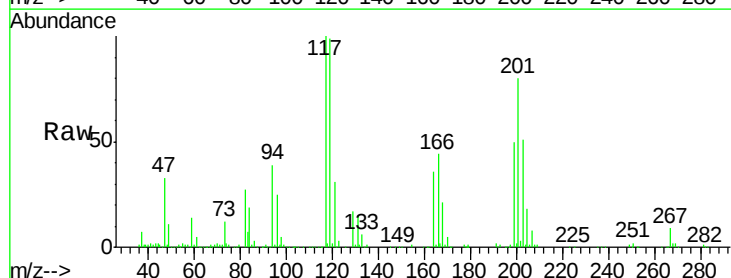
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#90
Hexachloroethane
Concen: 17.239 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 17.017 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Instrument :

MSVOA_W

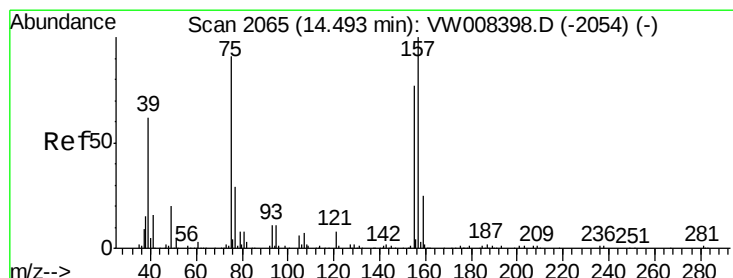
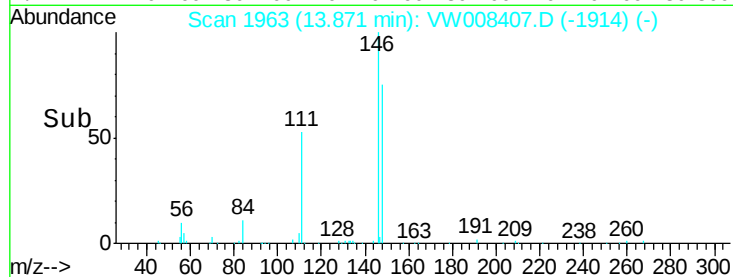
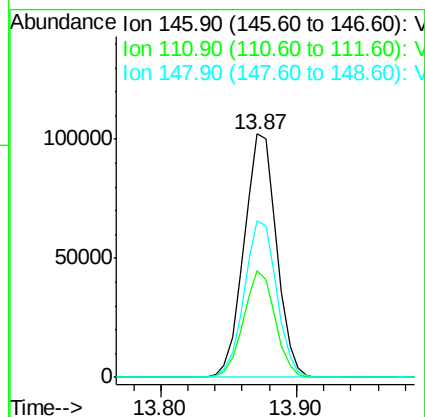
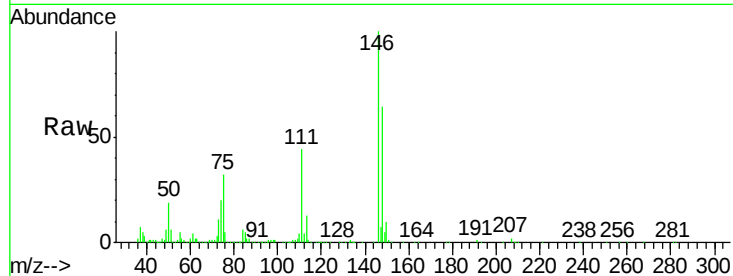
ClientSampled :

VW0125SBS01

Tot Ion:	146	Resp:	171203
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.1	63.3
148	63.8	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 14.929 ug/l

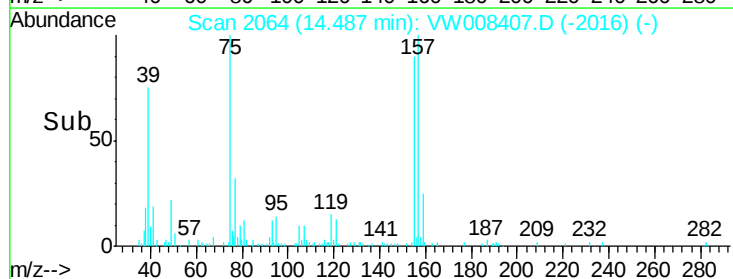
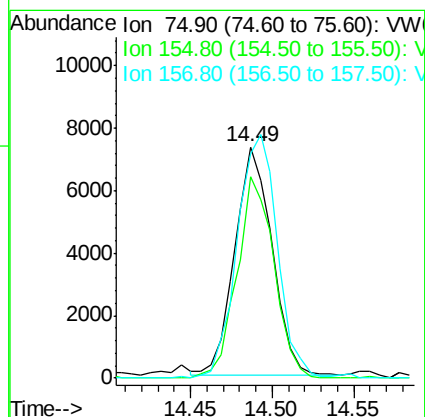
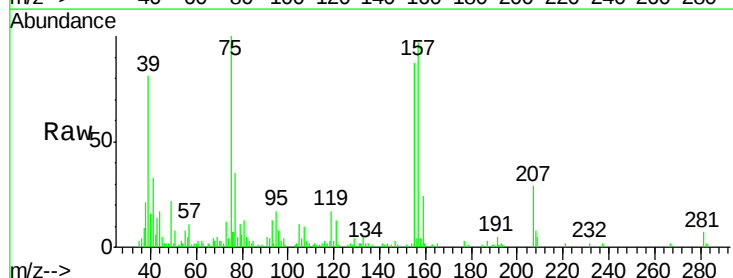
RT: 14.49 min Scan# 2064

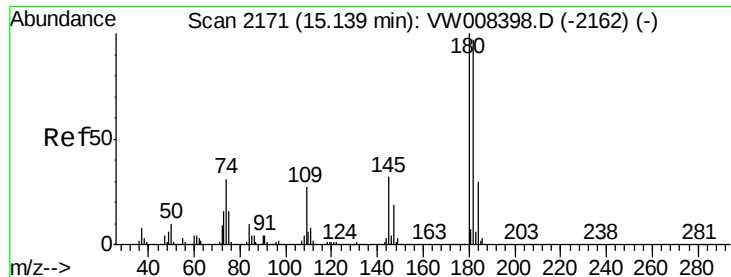
Delta R.T. -0.01 min

Lab File: VW008407.D

Acq: 25 Jan 2019 13:29

Tgt Ion:	75	Resp:	11561
Ion Ratio	Lower	Upper	
75	100		
155	87.9	42.7	128.1
157	115.6	55.5	166.3





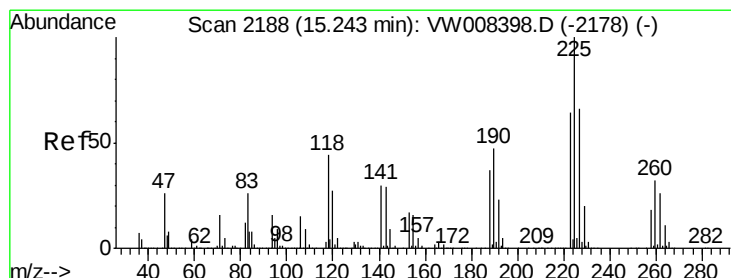
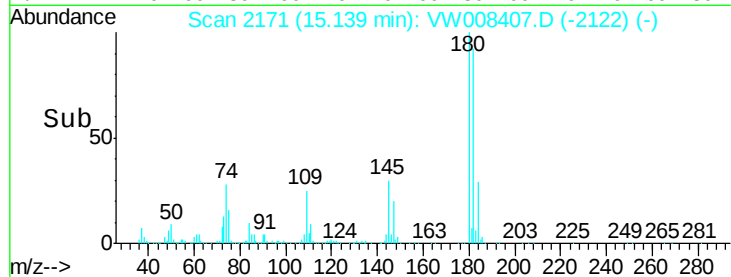
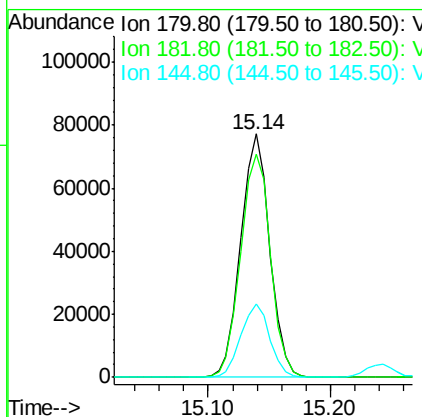
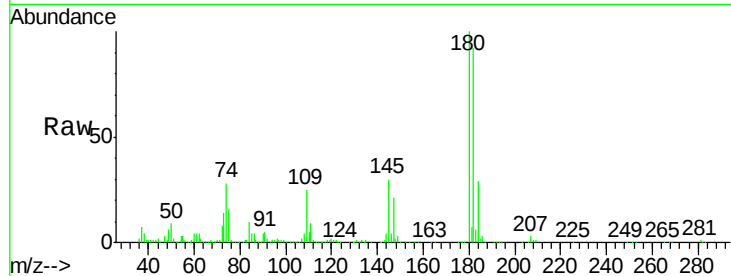
#93
1,2,4-Trichlorobenzene
Concen: 17.681 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126935		
182	94.1	47.9	143.7	
145	30.2	15.5	46.5	

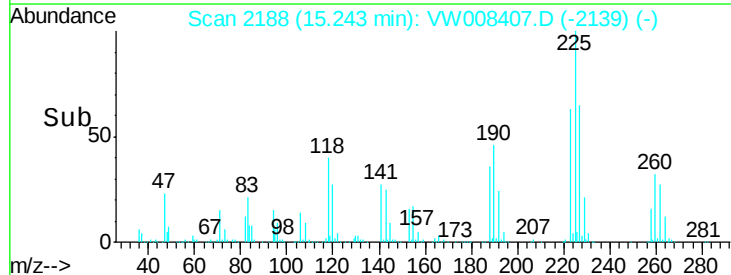
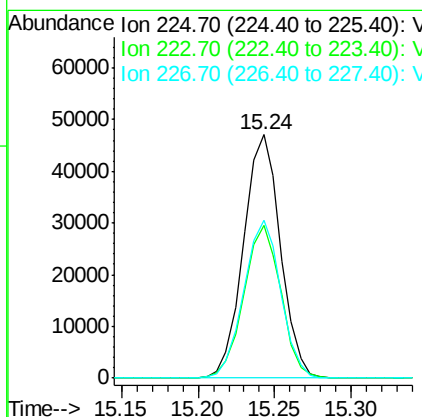
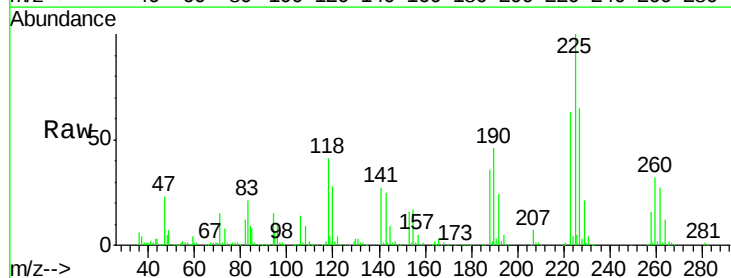
Manual Integrations
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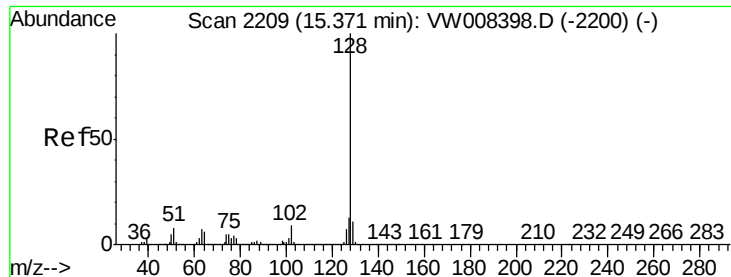
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#94
Hexachlorobutadiene
Concen: 18.212 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78798		
223	62.9	31.7	95.1	
227	65.1	32.1	96.3	





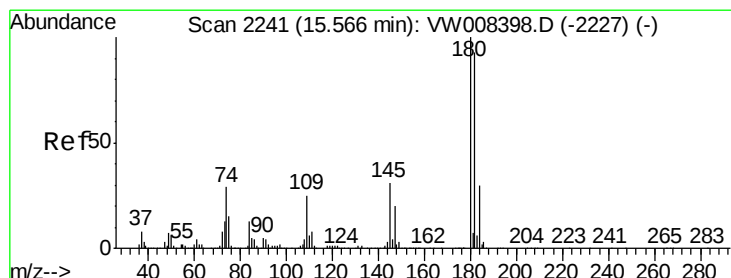
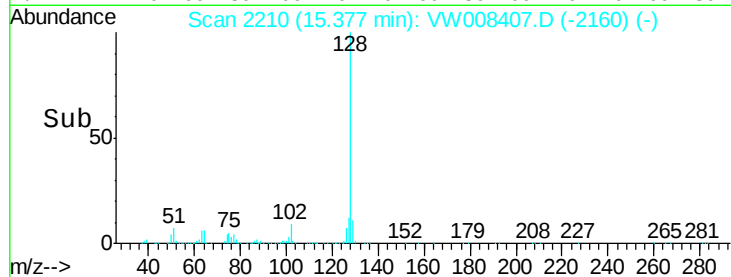
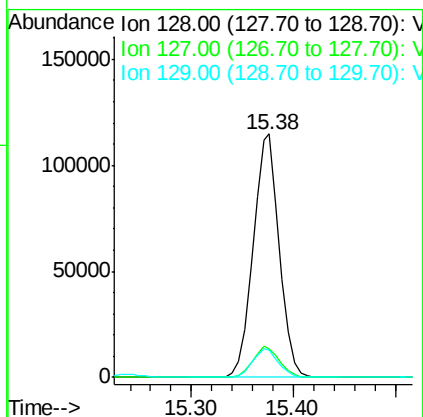
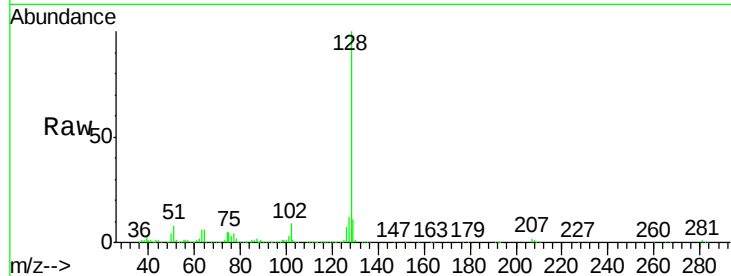
#95
Naphthalene
Concen: 16.186 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
VW0125SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	204035		
127	13.1		10.6	15.8
129	11.7		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:45:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.010 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008407.D
Acq: 25 Jan 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	103590		
182	98.1		47.0	141.2
145	32.8		15.9	47.6

