

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006246.D
 Acq On : 22 Oct 2018 13:00
 Operator : VA/AP
 Sample : VW1022SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBS01

Manual Integrations
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 10/24/2018 5:33:03 PM

Quant Time: Oct 22 14:38:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	318603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	445564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	217461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	118883	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	
35) Dibromofluoromethane	7.88	113	129231	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	10.33	98	489019	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.62	95	183540	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25755	16.336	ug/l	98
3) Chloromethane	2.21	50	32461	15.995	ug/l	100
4) Vinyl Chloride	2.37	62	51689	17.834	ug/l	98
5) Bromomethane	2.79	94	42112	15.975	ug/l	100
6) Chloroethane	2.93	64	36533	17.589	ug/l	98
7) Trichlorofluoromethane	3.26	101	47333	17.531	ug/l	97
8) Diethyl Ether	3.68	74	25295	17.628	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	58274	20.595	ug/l	98
10) Methyl Iodide	4.26	142	94700	20.108	ug/l	100
11) Tert butyl alcohol	5.24	59	12527m	70.517	ug/l	
12) 1,1-Dichloroethene	4.03	96	55548	20.867	ug/l	90
13) Acrolein	3.90	56	14724	85.657	ug/l	93
14) Allyl chloride	4.67	41	74520	19.578	ug/l	99
15) Acrylonitrile	5.38	53	44642	86.739	ug/l	100
16) Acetone	4.15	43	57256	107.079	ug/l	99
17) Carbon Disulfide	4.37	76	146292	18.209	ug/l	99
18) Methyl Acetate	4.68	43	22346	16.811	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	77474	19.108	ug/l	93
20) Methylene Chloride	4.91	84	60554	20.713	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	60534	20.373	ug/l	94
22) Diisopropyl ether	6.32	45	144323	19.187	ug/l	97
23) Vinyl Acetate	6.26	43	392289	88.373	ug/l	98
24) 1,1-Dichloroethane	6.21	63	98173	20.227	ug/l	99
25) 2-Butanone	7.18	43	64687	90.653	ug/l	98
26) 2,2-Dichloropropane	7.17	77	71267	20.819	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	66760	20.360	ug/l	99
28) Bromochloromethane	7.51	49	29012	15.483	ug/l	96
29) Tetrahydrofuran	7.54	42	35654	81.288	ug/l	99
30) Chloroform	7.68	83	107111	20.256	ug/l	99
31) Cyclohexane	7.95	56	94523	19.556	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	98752	20.703	ug/l	99
36) 1,1-Dichloropropene	8.09	75	86948	21.171	ug/l	99
37) Ethyl Acetate	7.26	43	25597	16.776	ug/l	98
38) Carbon Tetrachloride	8.07	117	95423	21.195	ug/l	98

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Quant Time: Oct 22 14:38:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	114179	20.915	ug/l	99
40) Benzene	8.32	78	235036	20.863	ug/l	98
41) Methacrylonitrile	7.49	41	16001	17.395	ug/l	95
42) 1,2-Dichloroethane	8.40	62	66180	19.995	ug/l	99
43) Isopropyl Acetate	8.43	43	52205	16.733	ug/l	98
44) Trichloroethene	9.09	130	74569	21.575	ug/l	100
45) 1,2-Dichloropropane	9.37	63	54605	20.256	ug/l	96
46) Dibromomethane	9.46	93	29948	19.492	ug/l	98
47) Bromodichloromethane	9.65	83	73478	19.725	ug/l	96
48) Methyl methacrylate	9.44	41	25012	16.913	ug/l	96
49) 1,4-Dioxane	9.49	88	9022	381.432	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	131125	83.885	ug/l	98
52) Toluene	10.39	92	159705	21.146	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	70882	19.099	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	85225	20.008	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42337	19.691	ug/l	95
56) Ethyl methacrylate	10.65	69	48055	18.231	ug/l	94
57) 1,3-Dichloropropane	10.94	76	68825	19.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	89630	88.991	ug/l	99
59) 2-Hexanone	10.98	43	99303	88.995	ug/l	99
60) Dibromochloromethane	11.13	129	51087	19.076	ug/l	99
61) 1,2-Dibromoethane	11.24	107	41094	19.128	ug/l	99
64) Tetrachloroethene	10.87	164	67084	21.949	ug/l	97
65) Chlorobenzene	11.66	112	182234	21.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	63247	21.116	ug/l	99
67) Ethyl Benzene	11.74	91	318864	21.830	ug/l	100
68) m/p-Xylenes	11.84	106	253276	43.871	ug/l	99
69) o-Xylene	12.17	106	118925	21.615	ug/l	99
70) Styrene	12.19	104	187415	20.947	ug/l	100
71) Bromoform	12.35	173	29989	17.951	ug/l #	100
73) Isopropylbenzene	12.47	105	337071	21.940	ug/l	99
74) N-amyl acetate	12.28	43	52226	17.503	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	45142	19.319	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31068m	18.705	ug/l	
77) Bromobenzene	12.75	156	81015	21.530	ug/l	97
78) n-propylbenzene	12.81	91	392896	21.982	ug/l	100
79) 2-Chlorotoluene	12.90	91	218568	21.764	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	283729	21.907	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11918	17.152	ug/l	95
82) 4-Chlorotoluene	12.99	91	230336	21.896	ug/l	99
83) tert-Butylbenzene	13.21	119	255931	22.087	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	286310	21.846	ug/l	99
85) sec-Butylbenzene	13.39	105	363005	22.175	ug/l	100
86) p-Isopropyltoluene	13.51	119	326455	22.048	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	163021	21.769	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	160397	21.512	ug/l	99
89) n-Butylbenzene	13.83	91	300212	22.170	ug/l	99
90) Hexachloroethane	14.10	117	52839	21.068	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	142596	21.347	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7136	17.057	ug/l	97

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MSVOA_W
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VW1022SBS01

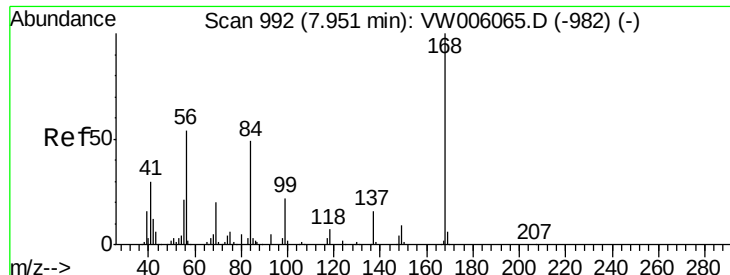
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10/24/2018 5:33:03 PM

Quant Time: Oct 22 14:38:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	111149	21.625	ug/l	99
94) Hexachlorobutadiene	15.24	225	72976	22.602	ug/l	99
95) Naphthalene	15.38	128	161850	18.929	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	93297	20.986	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion:168 Resp: 318603

Ion Ratio Lower Upper

168 100

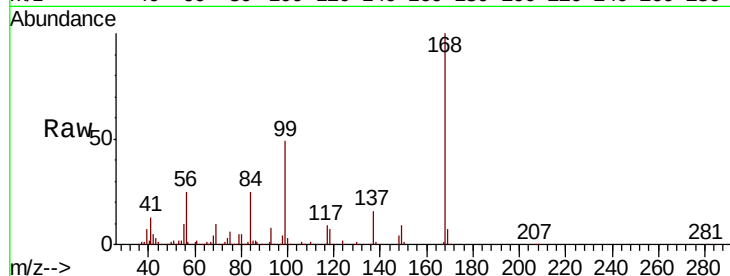
99 49.0 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

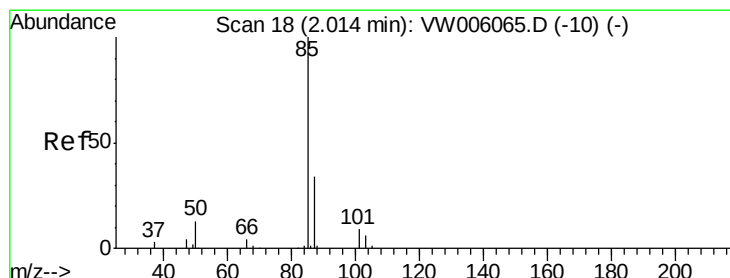
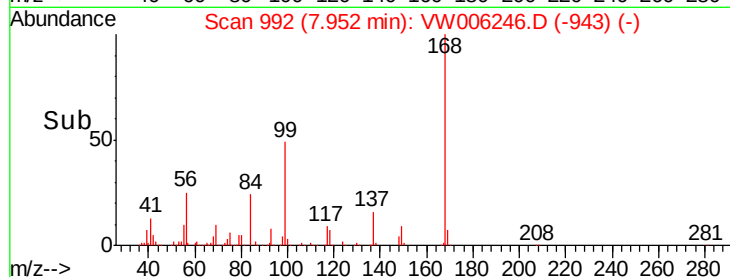
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.336 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006246.D

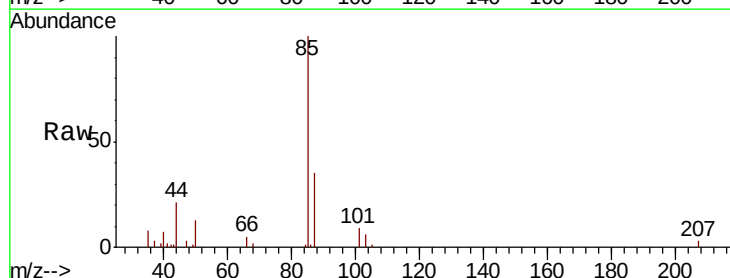
Acq: 22 Oct 2018 13:00

Tgt Ion: 85 Resp: 25755

Ion Ratio Lower Upper

85 100

87 34.6 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

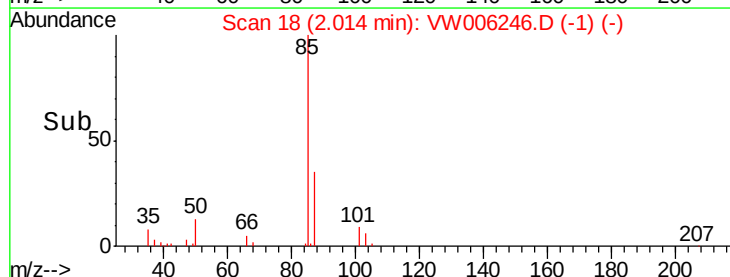
4000

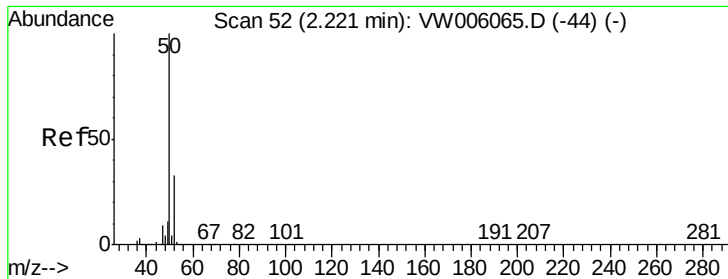
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 15.995 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion: 50 Resp: 32461

Ion Ratio Lower Upper

50 100

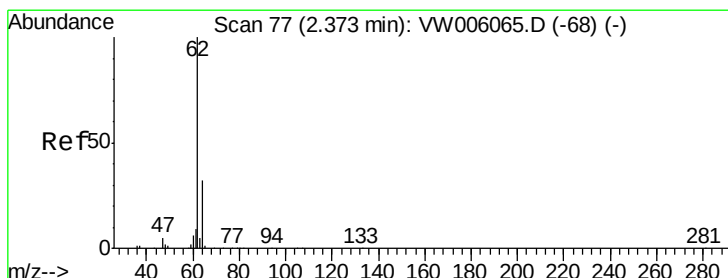
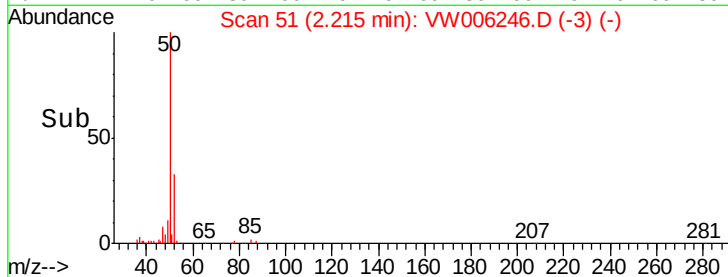
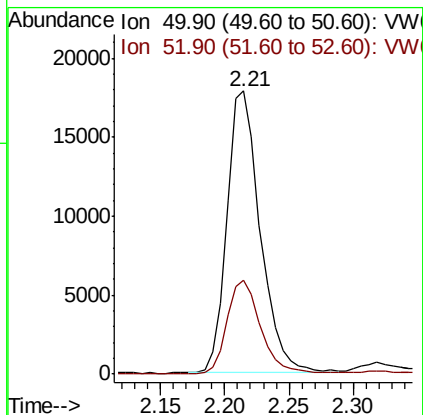
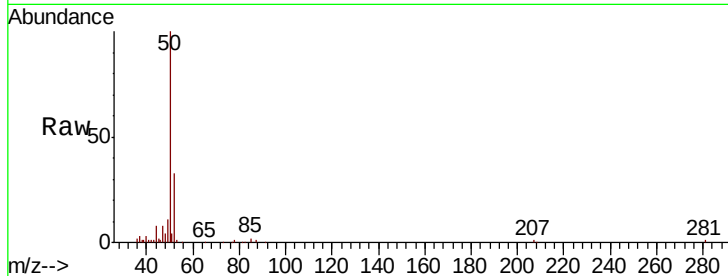
52 33.3 26.8 40.2

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#4

Vinyl Chloride

Concen: 17.834 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006246.D

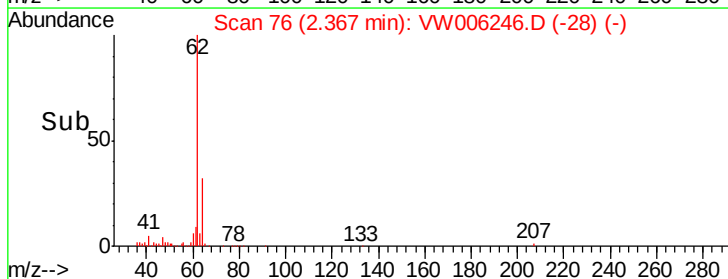
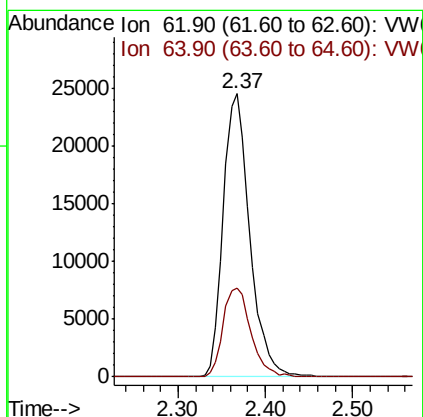
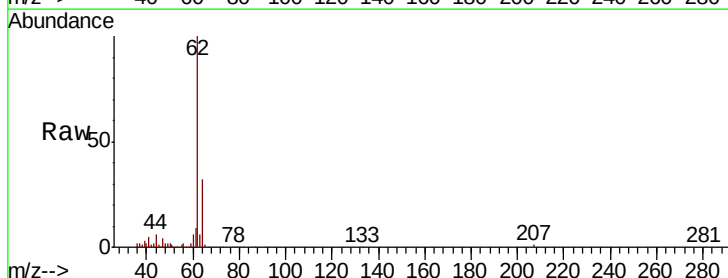
Acq: 22 Oct 2018 13:00

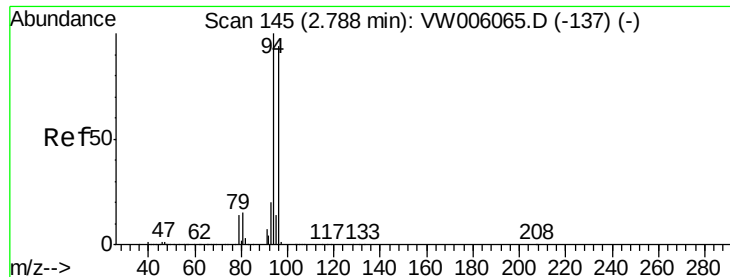
Tgt Ion: 62 Resp: 51689

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 15.975 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion: 94 Resp: 42112

Ion Ratio Lower Upper

94 100

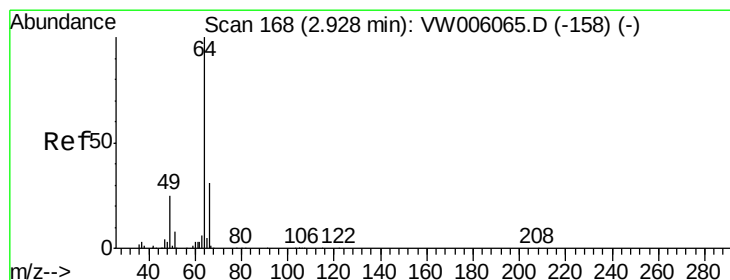
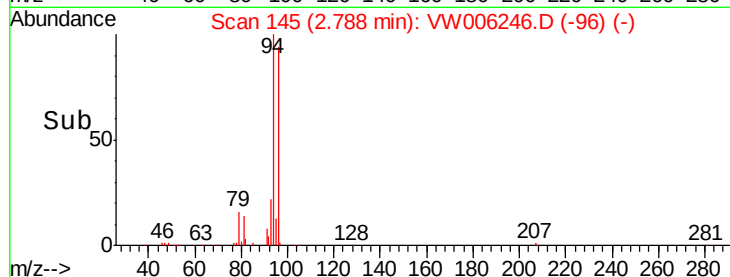
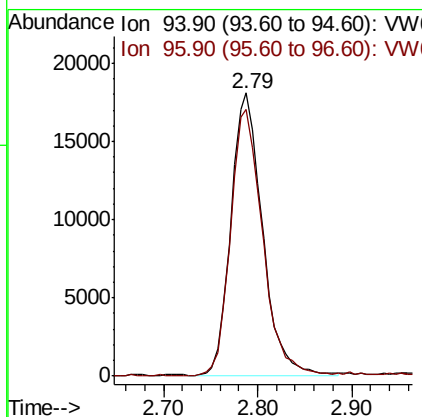
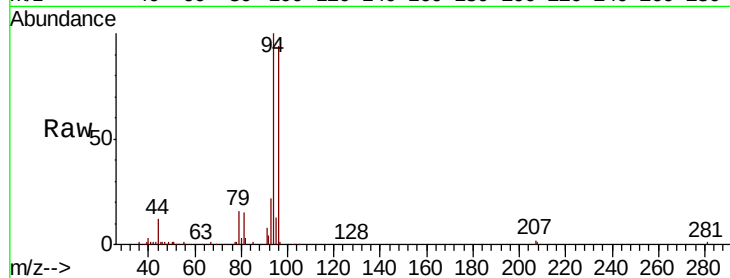
96 94.0 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 17.589 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006246.D

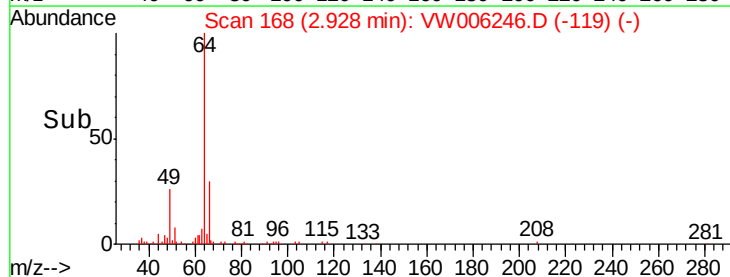
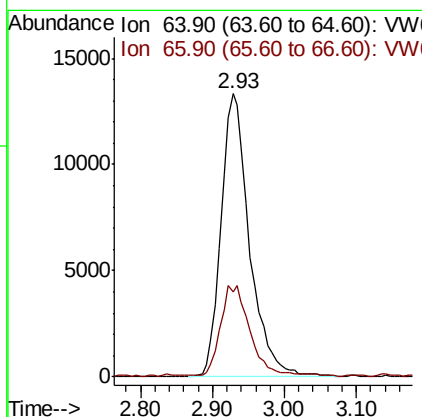
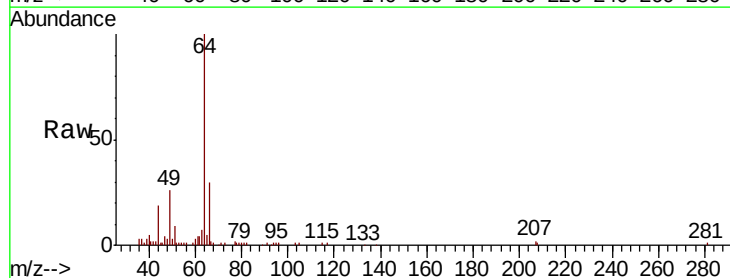
Acq: 22 Oct 2018 13:00

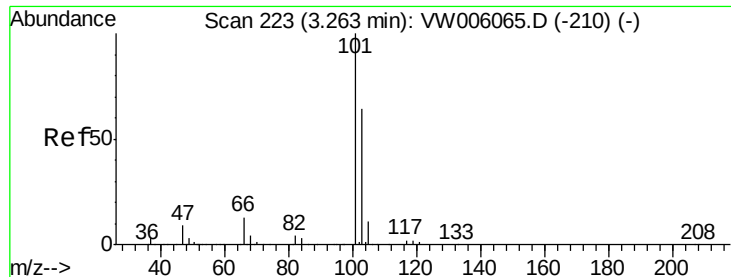
Tgt Ion: 64 Resp: 36533

Ion Ratio Lower Upper

64 100

66 29.8 24.9 37.3





#7

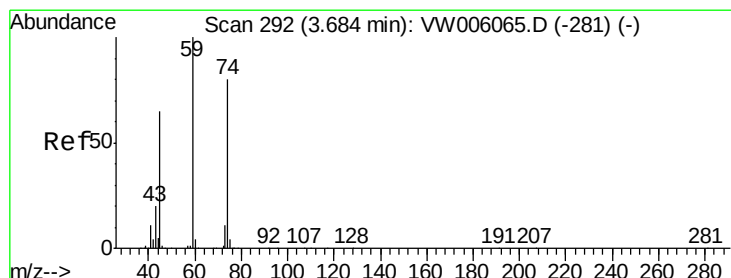
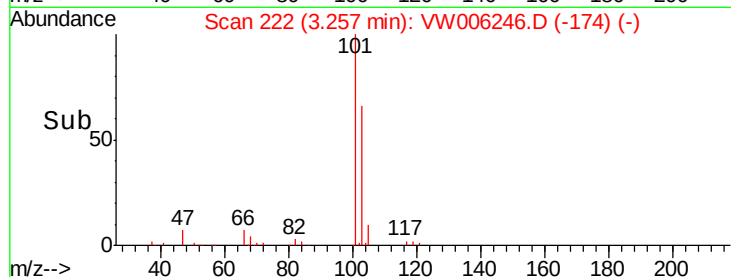
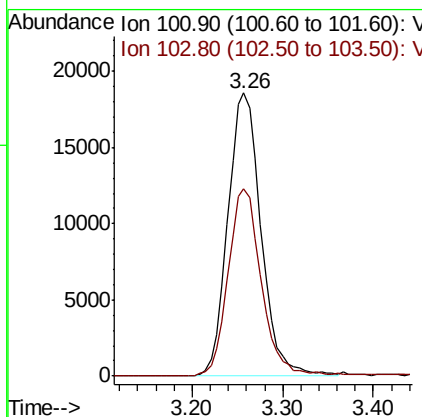
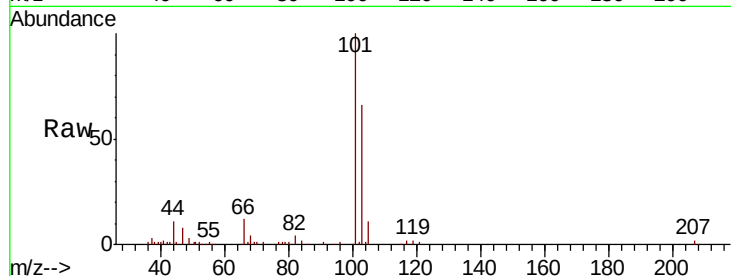
Trichlorofluoromethane
 Concen: 17.531 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Instrument :
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 ClientSampleId :
 VW1022SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.2	76.8

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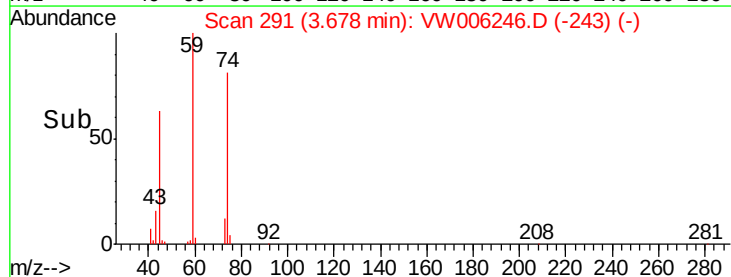
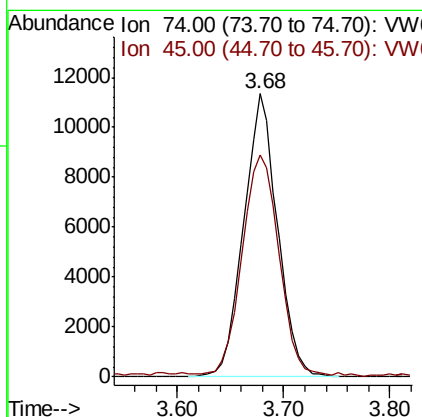
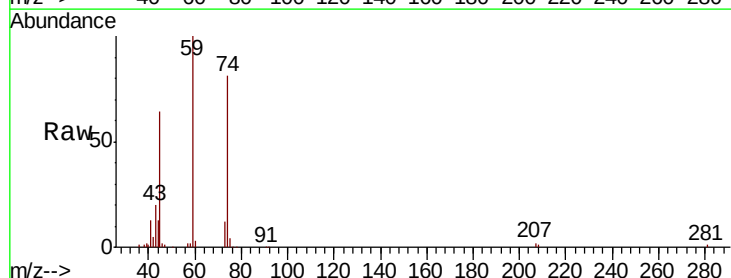
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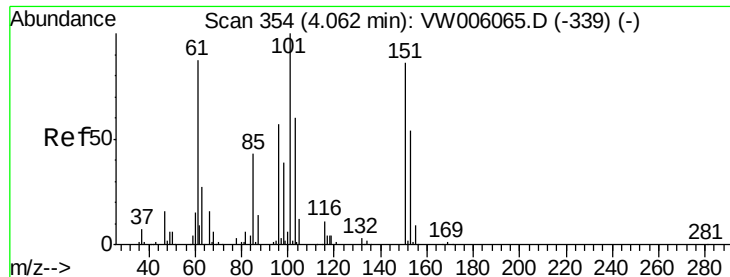


#8

Diethyl Ether
 Concen: 17.628 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.1	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.595 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

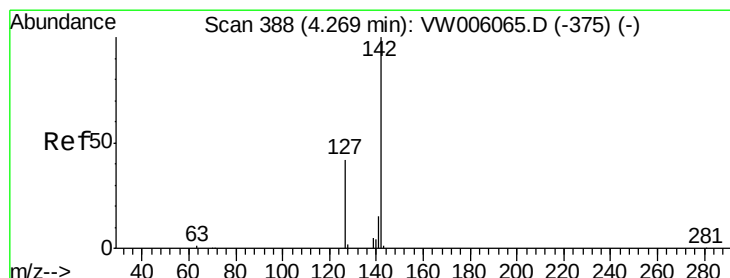
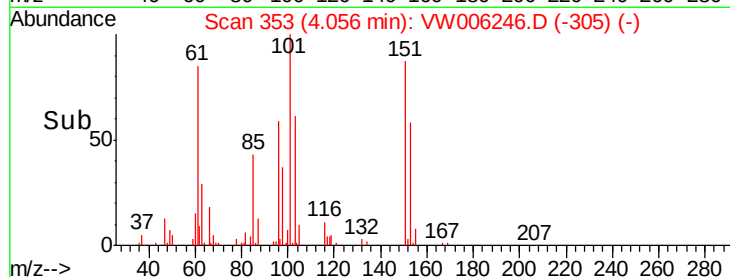
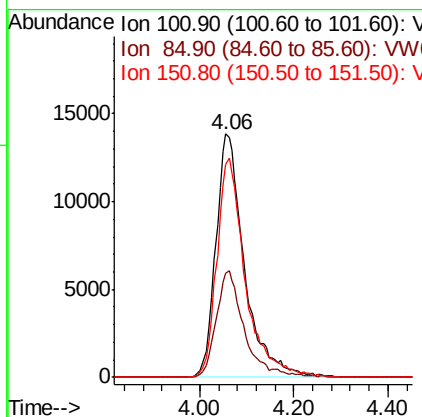
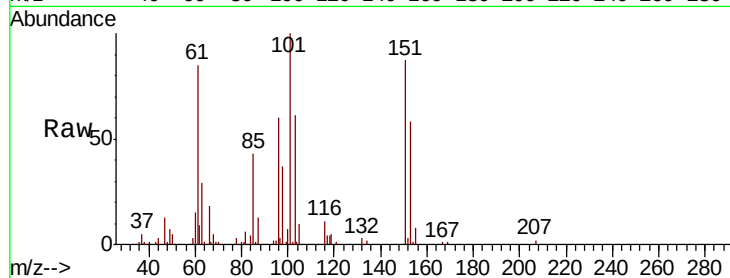
ClientSampleId :

VW1022SBS01

Tot Ion:	101	Resp:	58274
Ion Ratio	Lower	Upper	
101	100		
85	40.7	34.9	52.3
151	89.4	70.4	105.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.108 ug/l

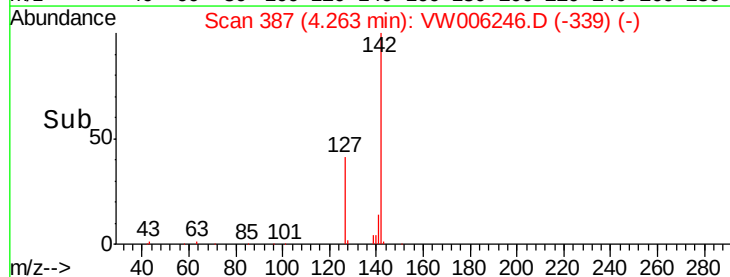
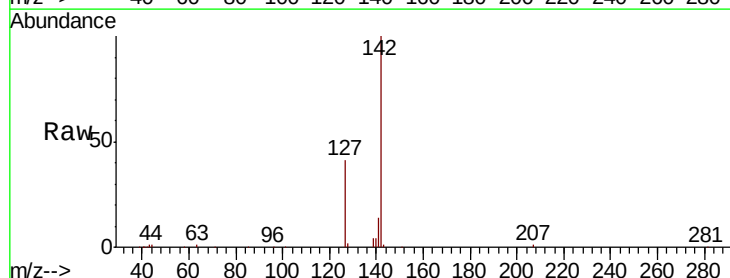
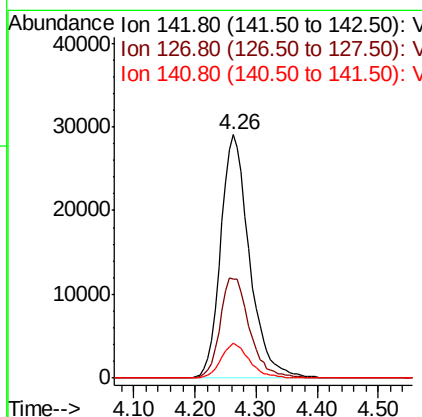
RT: 4.26 min Scan# 387

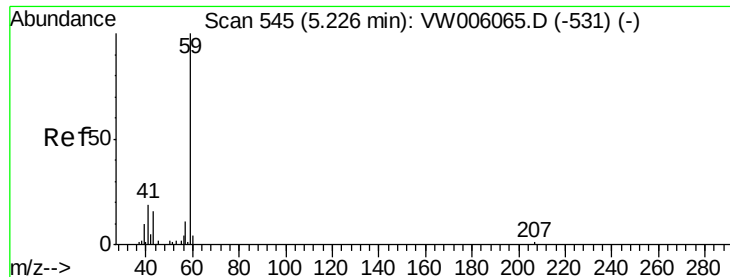
Delta R.T. -0.01 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Tgt Ion:	142	Resp:	94700
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.6	50.4
141	14.2	11.6	17.4





#11

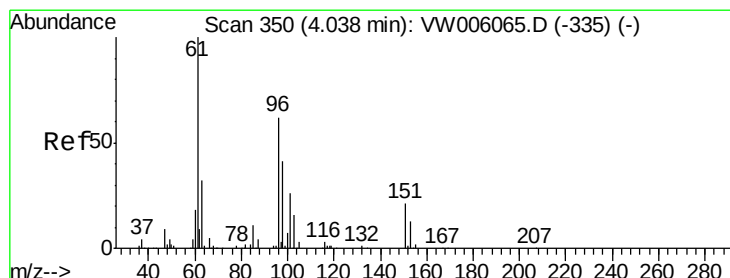
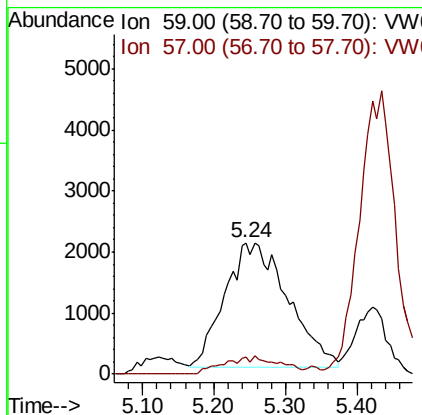
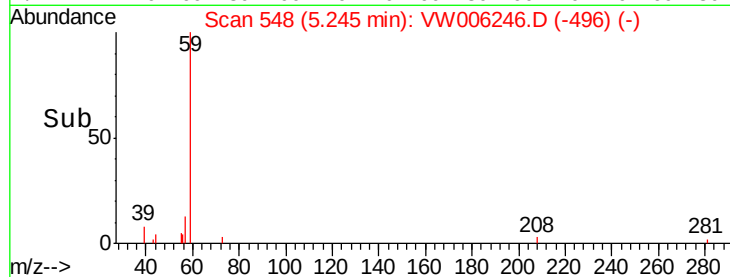
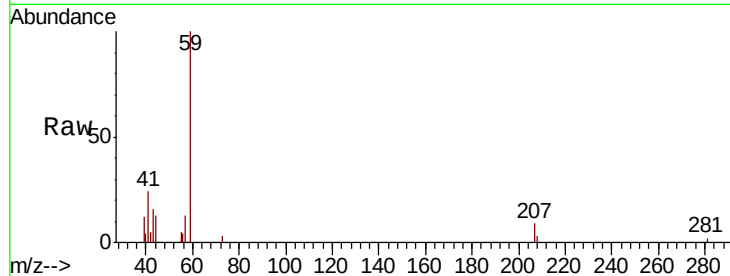
Tert butyl alcohol
 Concen: 70.517 ug/l m
 RT: 5.24 min Scan# 548
 Delta R.T. 0.02 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBS01

Tot Ion: 59 Resp: 12527
 Ion Ratio Lower Upper
 59 100
 57 6.2 8.7 13.1#

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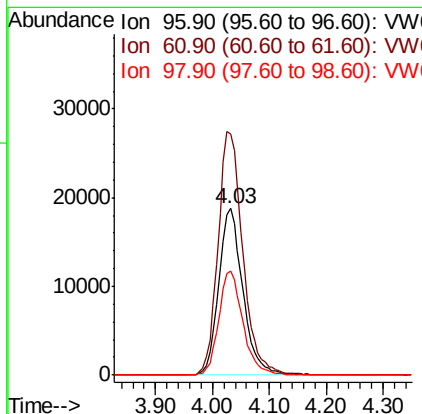
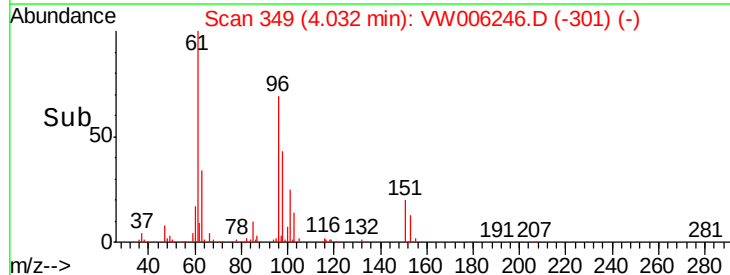
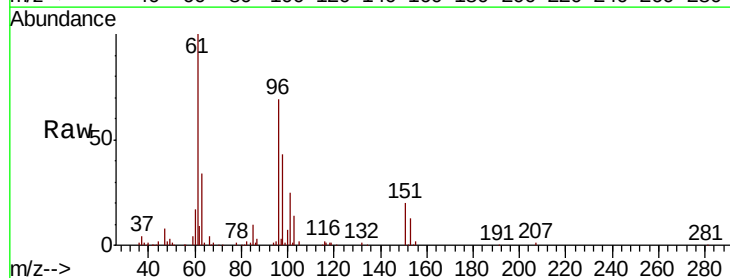
sam
 10/24/2018 5:33:03 PM

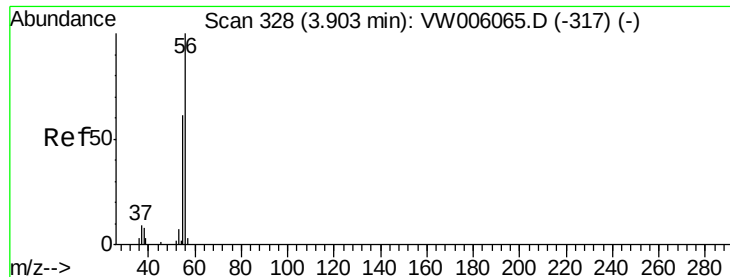


#12

1,1-Dichloroethene
 Concen: 20.867 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Tgt Ion: 96 Resp: 55548
 Ion Ratio Lower Upper
 96 100
 61 145.1 129.3 193.9
 98 62.4 53.1 79.7





#13

Acrolein

Concen: 85.657 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion: 56 Resp: 14724

Ion Ratio Lower Upper

56 100

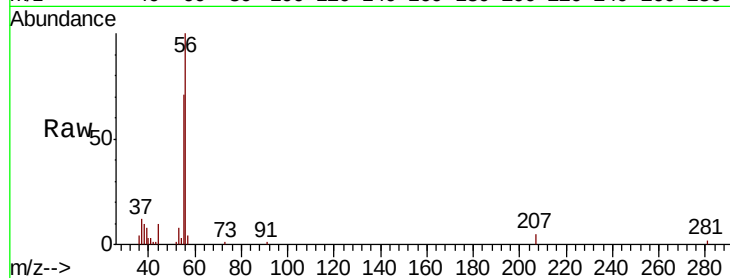
55 73.5 54.5 81.7

Manual Integrations

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sam

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

6000

5000

4000

3000

2000

1000

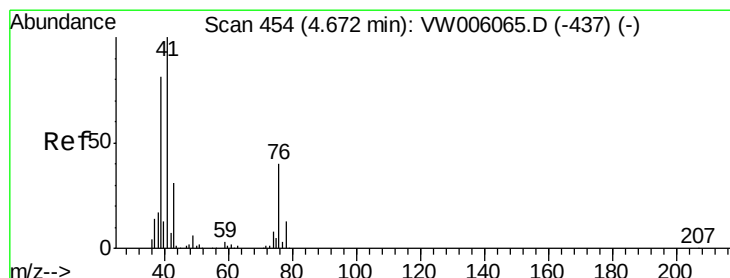
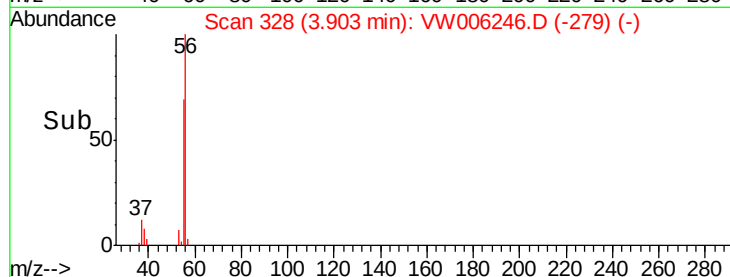
0

3.80

3.90

4.00

Time-->



#14

Allyl chloride

Concen: 19.578 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

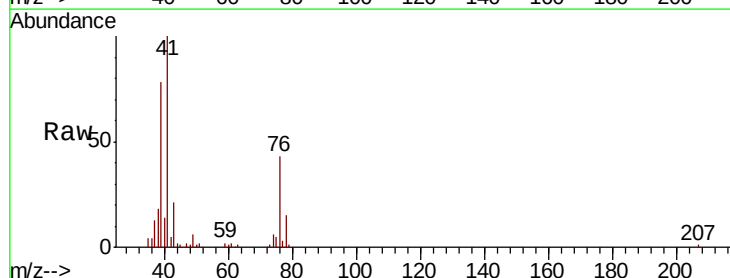
Tgt Ion: 41 Resp: 74520

Ion Ratio Lower Upper

41 100

39 79.5 64.1 96.1

76 41.2 32.2 48.4



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

30000

20000

10000

0

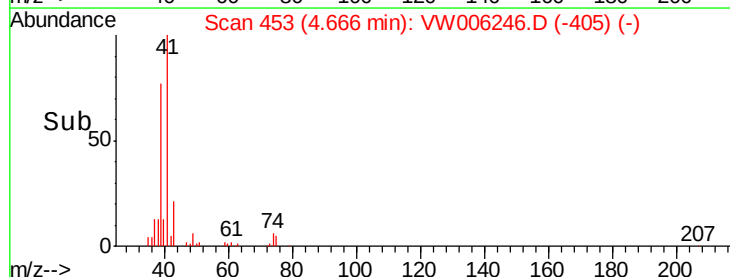
4.50

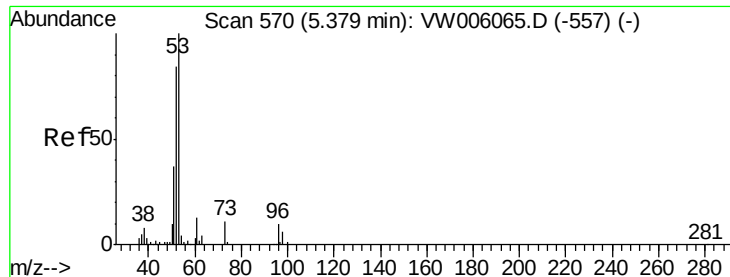
4.60

4.70

4.80

Time-->





#15

Acrylonitrile

Concen: 86.739 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

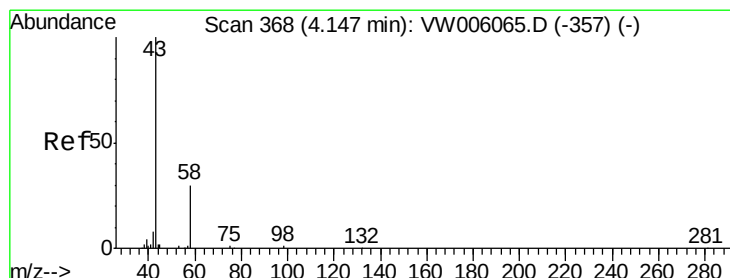
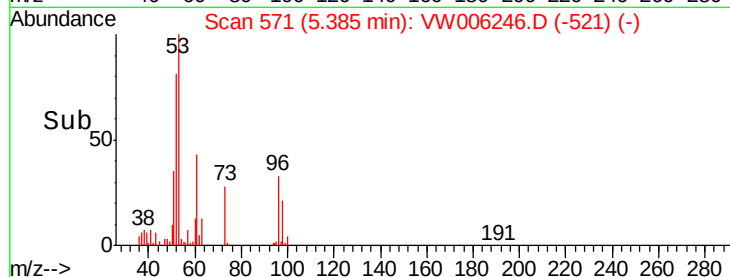
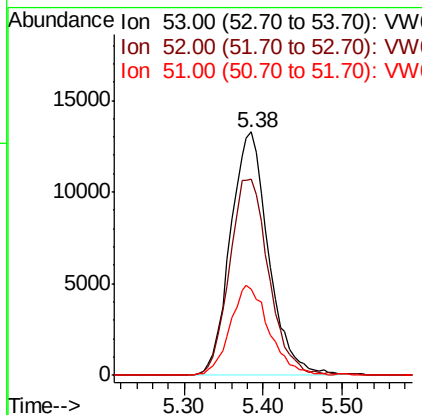
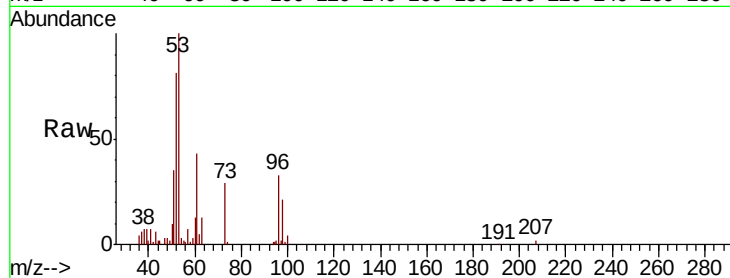
ClientSampleId :

VW1022SBS01

Tot Ion:	53	Resp:	44642
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.9	100.3
51	37.7	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 107.079 ug/l

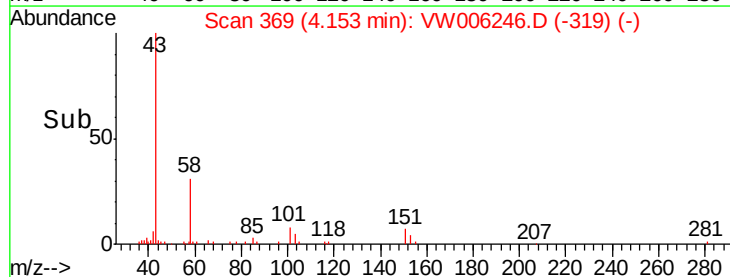
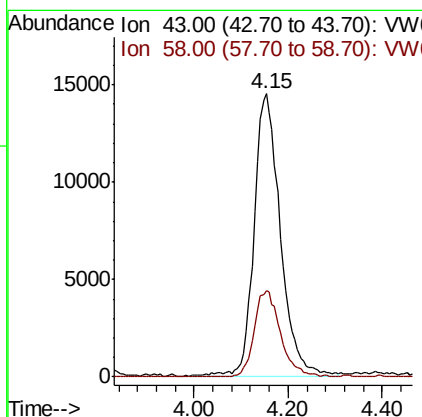
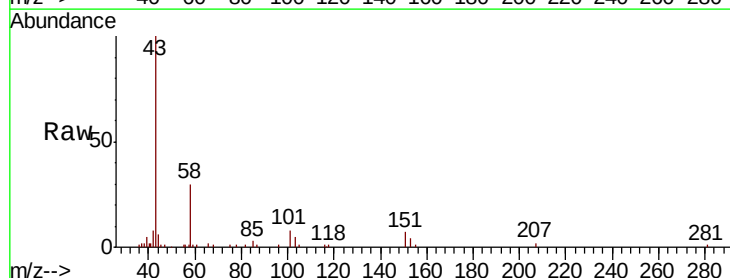
RT: 4.15 min Scan# 369

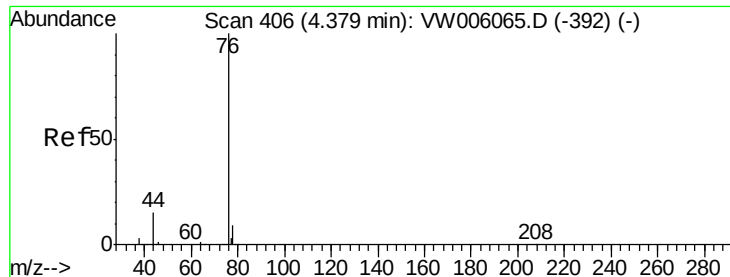
Delta R.T. 0.01 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Tgt Ion:	43	Resp:	57256
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.0	36.0





#17

Carbon Disulfide

Concen: 18.209 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion: 76 Resp: 146292

Ion Ratio Lower Upper

76 100

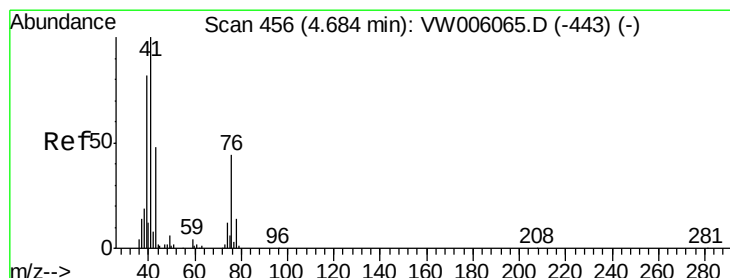
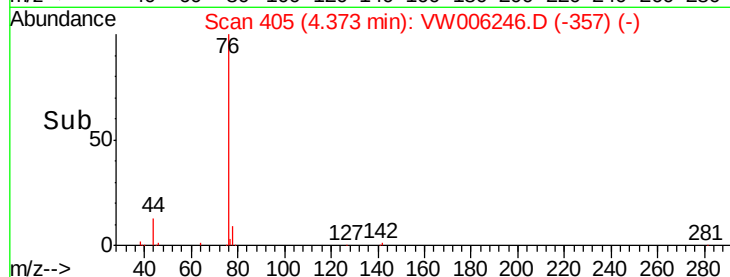
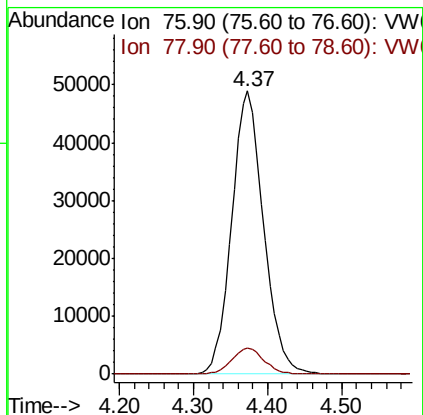
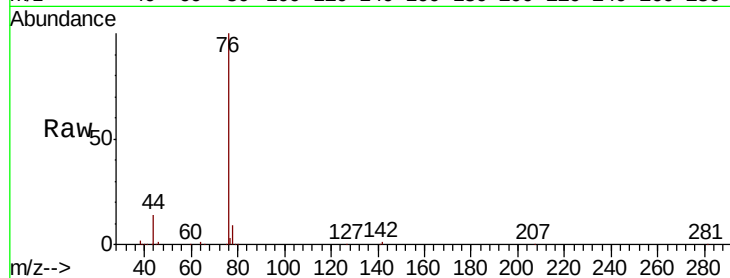
78 9.2 7.5 11.3

Manual Integrations

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sam

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#18

Methyl Acetate

Concen: 16.811 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW006246.D

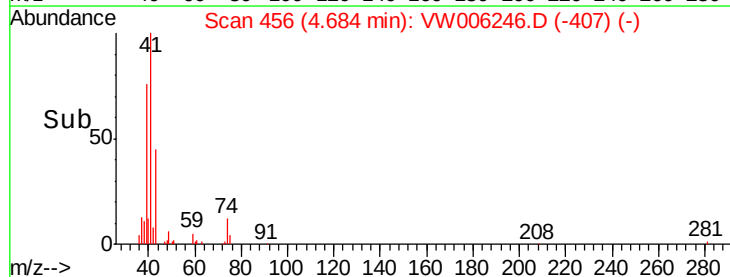
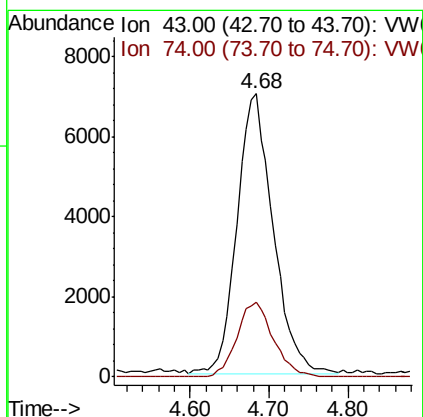
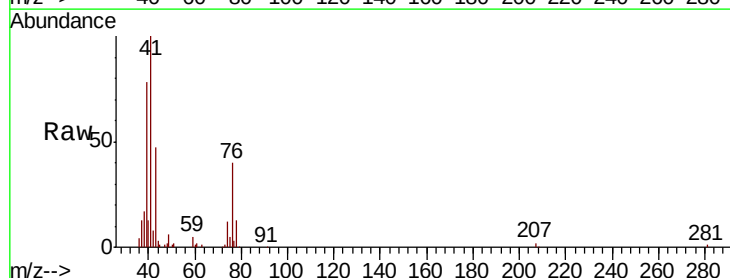
Acq: 22 Oct 2018 13:00

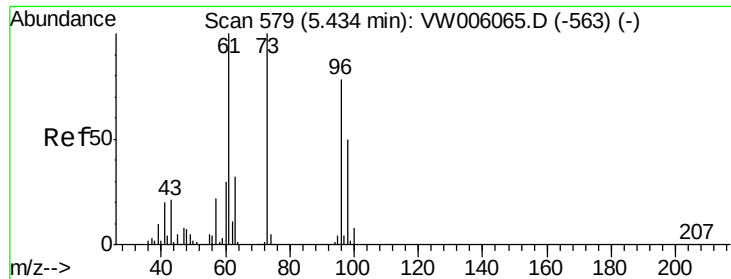
Tgt Ion: 43 Resp: 22346

Ion Ratio Lower Upper

43 100

74 26.8 20.5 30.7





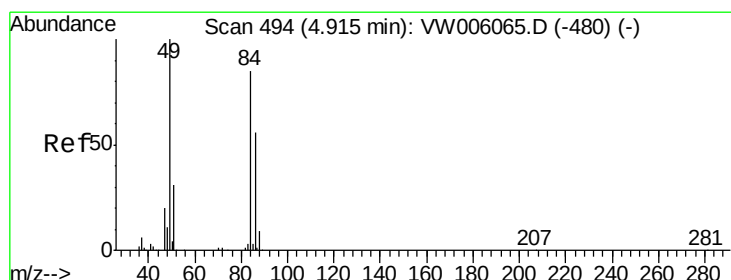
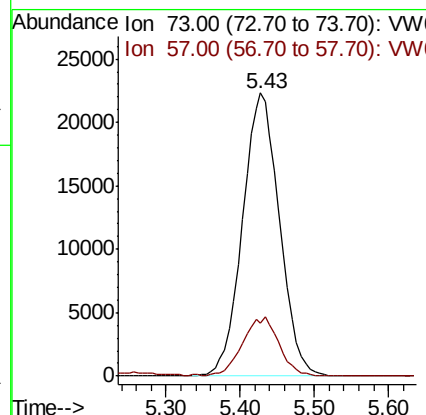
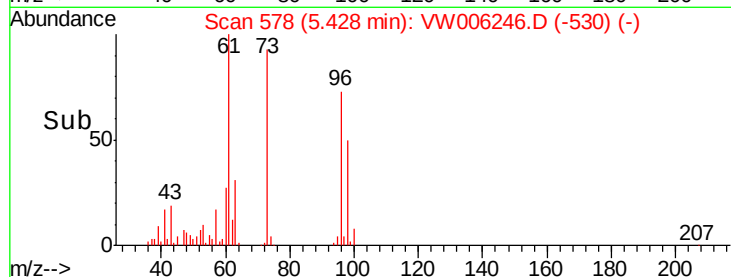
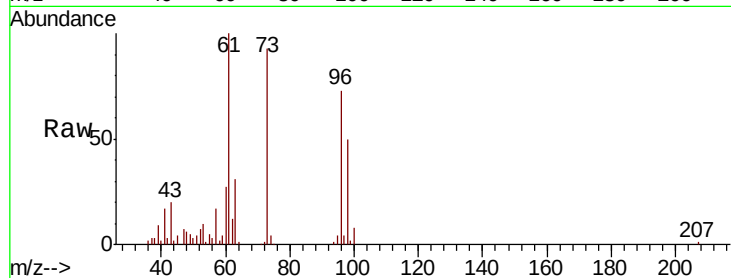
#19
Methyl tert-butyl Ether
Concen: 19.108 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.7	17.4	26.2

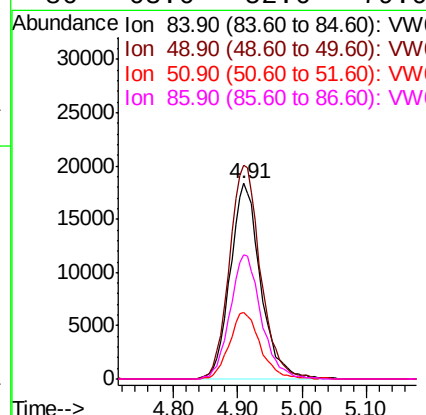
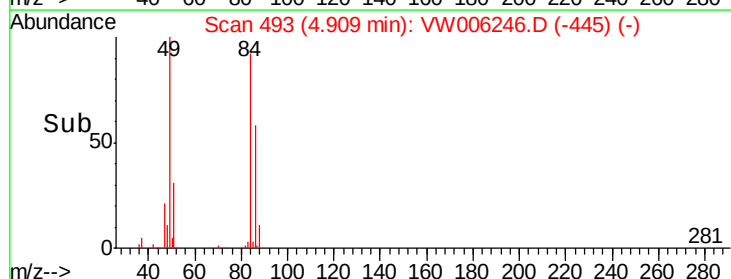
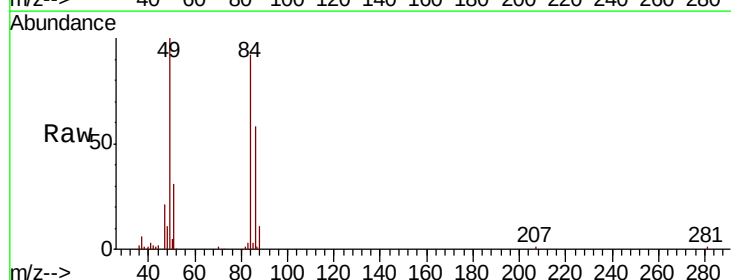
Manual Integrations
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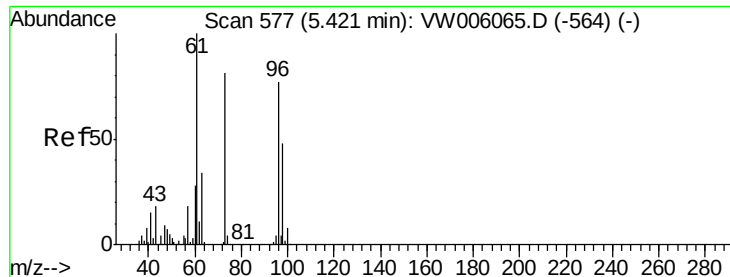
sam
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#20
Methylene Chloride
Concen: 20.713 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.2	93.6	140.4
51	34.3	29.0	43.4
86	63.6	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 20.373 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

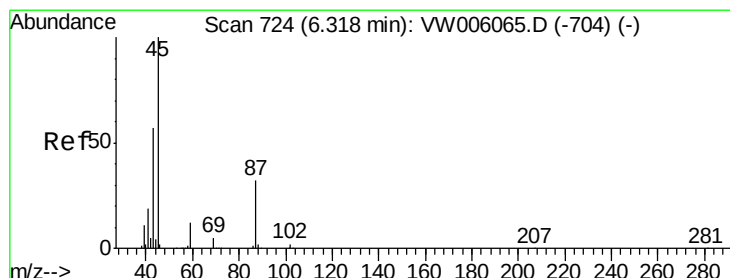
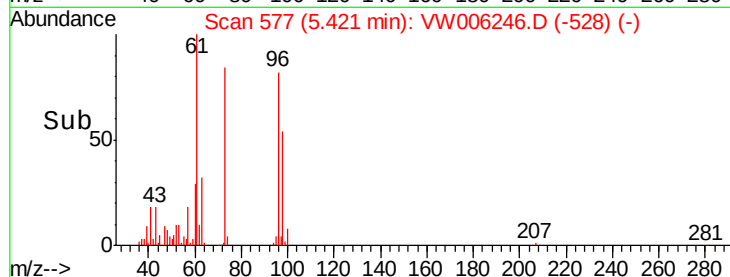
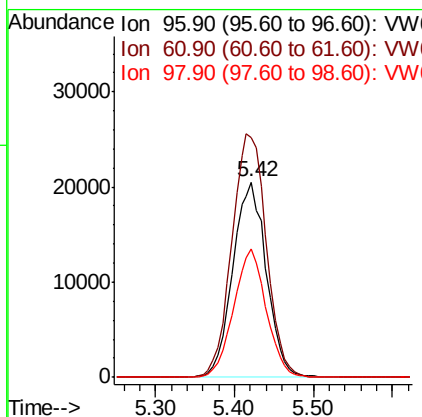
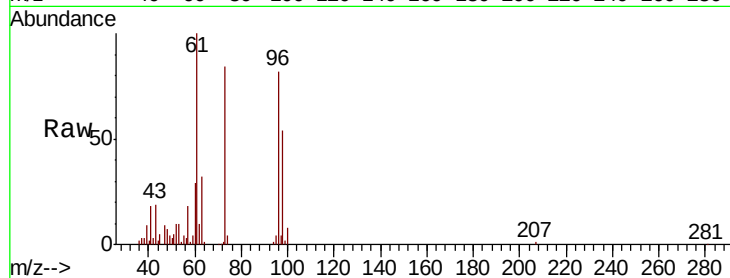
ClientSampleId :

VW1022SBS01

Tot Ion:	96	Resp:	60534
Ion	Ratio	Lower	Upper
96	100		
61	122.7	104.5	156.7
98	65.8	50.6	75.8

Manual Integrations
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sam
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#22

Diisopropyl ether

Concen: 19.187 ug/l

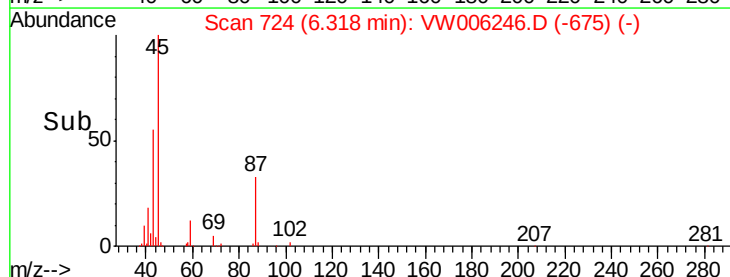
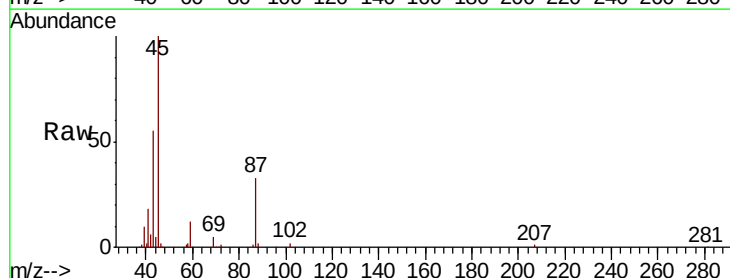
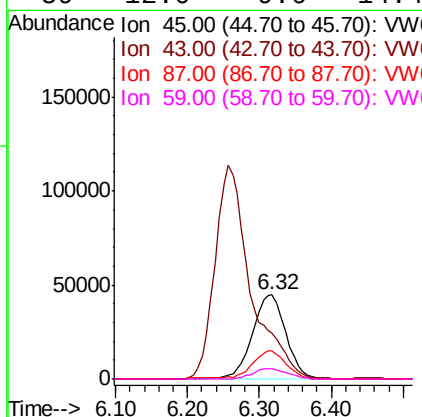
RT: 6.32 min Scan# 724

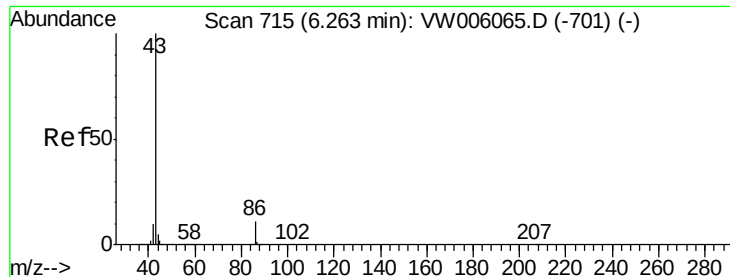
Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Tgt Ion:	45	Resp:	144323
Ion	Ratio	Lower	Upper
45	100		
43	54.0	45.7	68.5
87	33.2	25.9	38.9
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 88.373 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion: 43 Resp: 392289

Ion Ratio Lower Upper

43 100

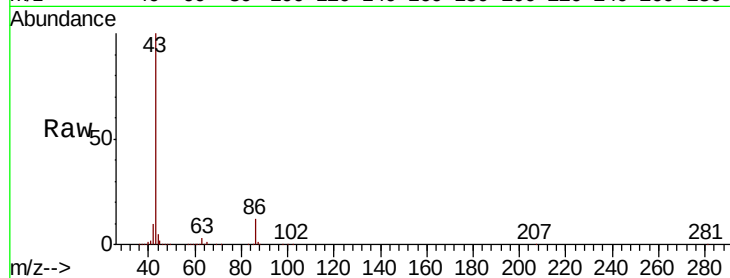
86 12.0 9.0 13.6

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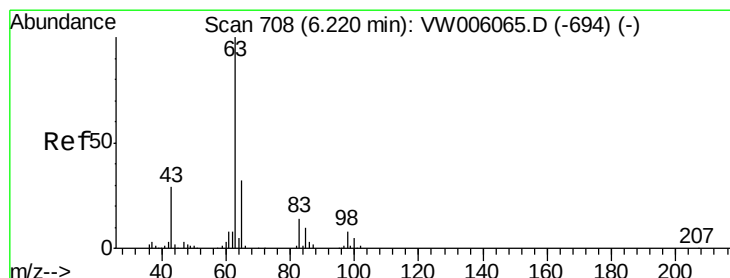
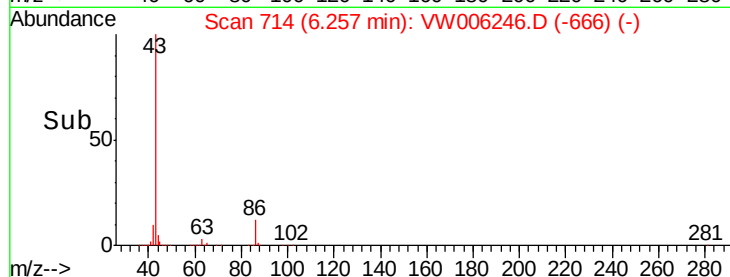
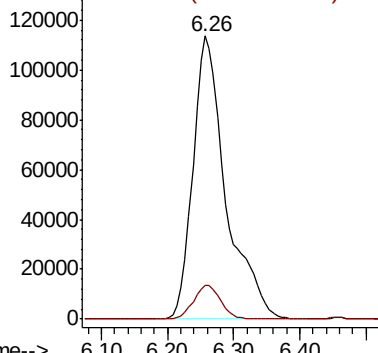
sam

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.227 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

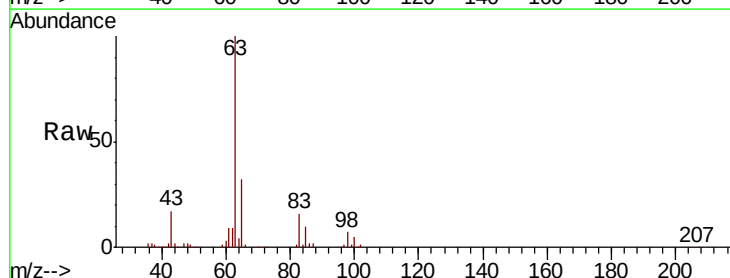
Tgt Ion: 63 Resp: 98173

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.2

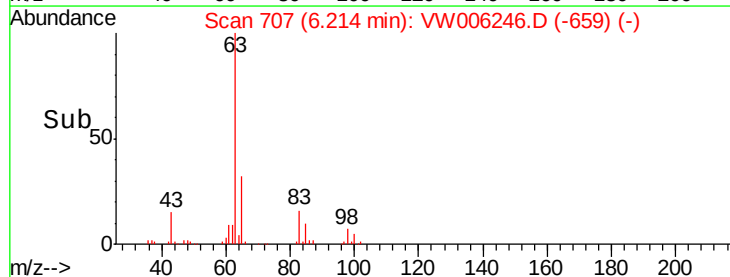
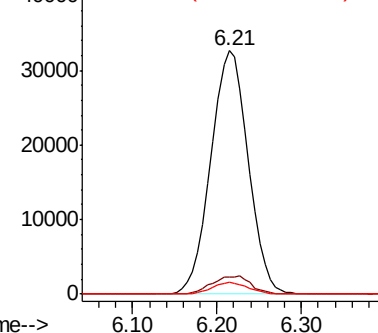
100 5.2 2.5 7.5

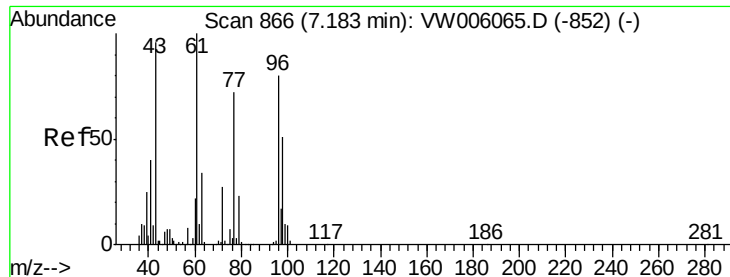


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 90.653 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion: 43 Resp: 64687

Ion Ratio Lower Upper

43 100

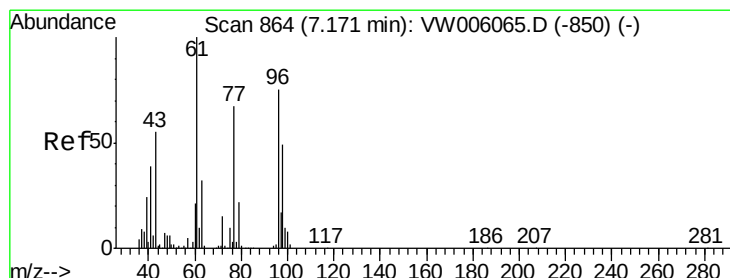
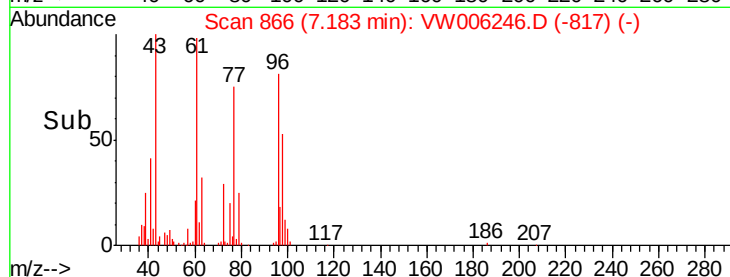
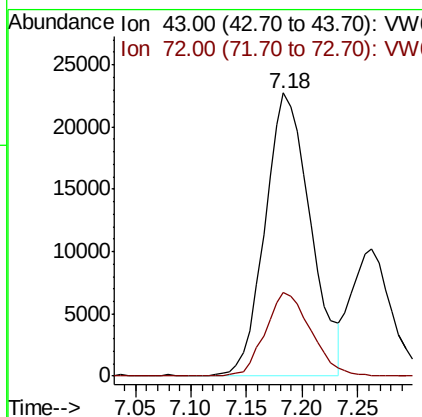
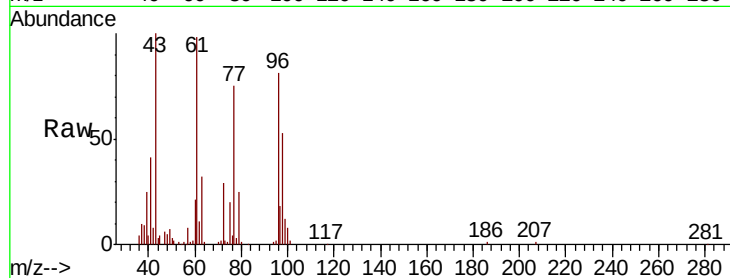
72 29.4 22.8 34.2

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 20.819 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006246.D

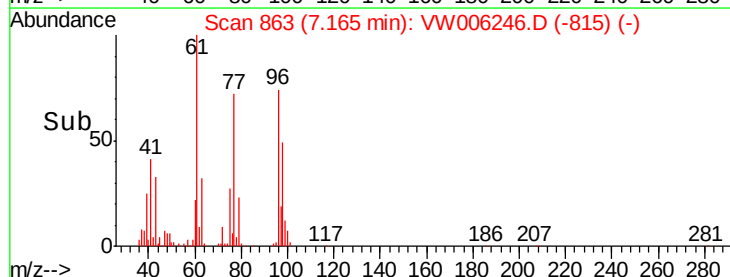
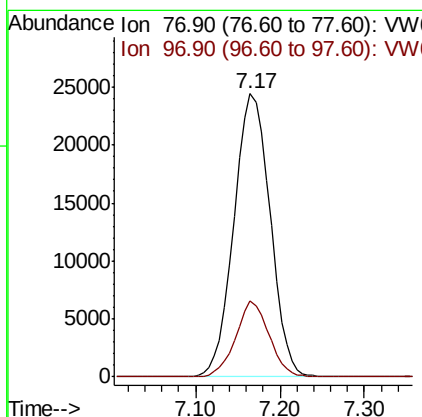
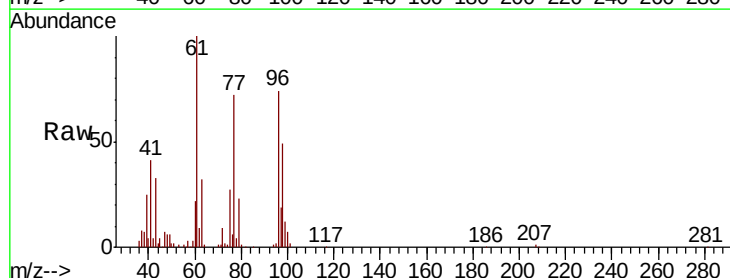
Acq: 22 Oct 2018 13:00

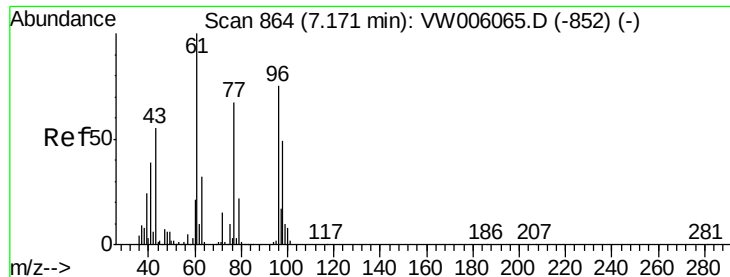
Tgt Ion: 77 Resp: 71267

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.4





#27

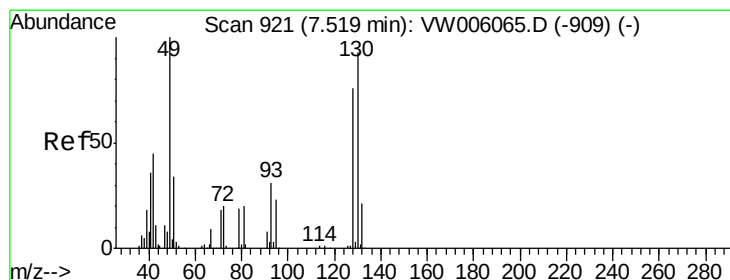
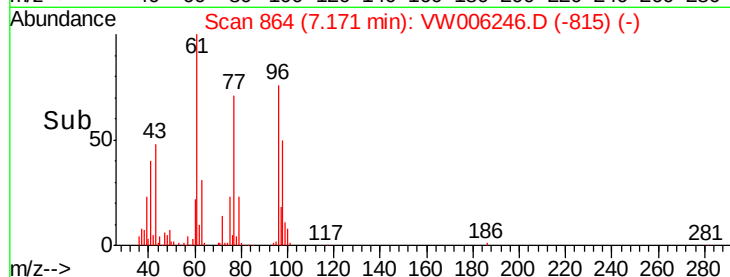
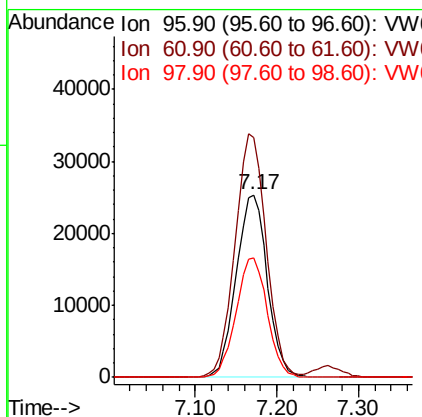
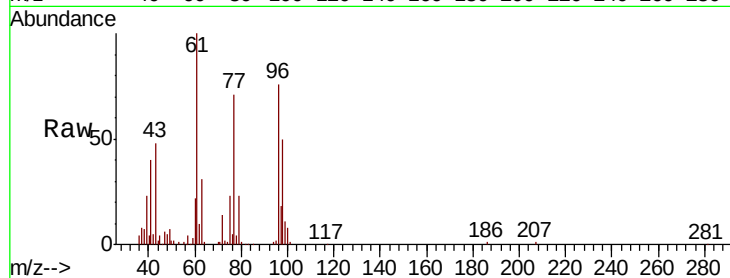
cis-1,2-Dichloroethene
Concen: 20.360 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	0.0	267.2
98	65.6	0.0	128.6

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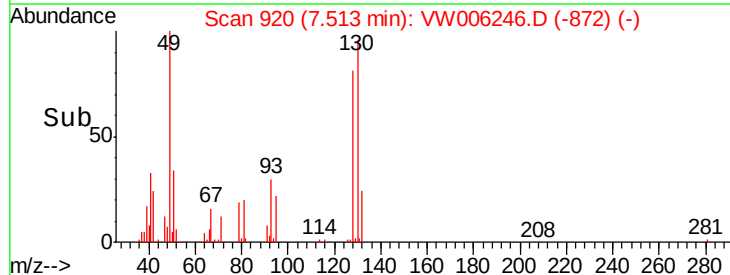
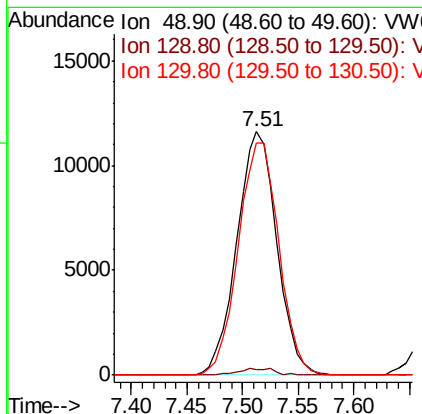
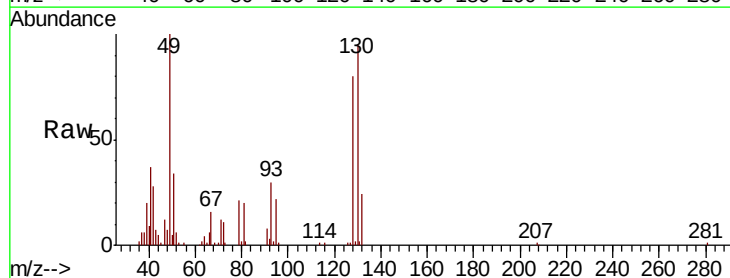
sam
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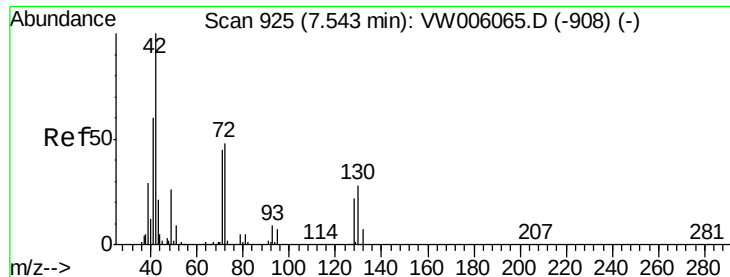


#28

Bromochloromethane
Concen: 15.483 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	96.6	73.8	110.8





#29

Tetrahydrofuran

Concen: 81.288 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

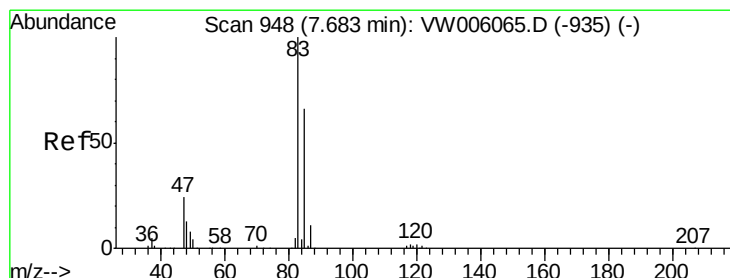
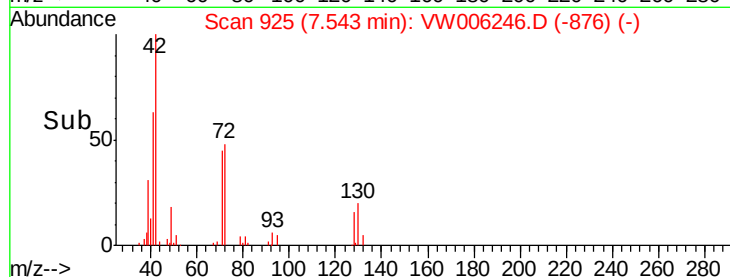
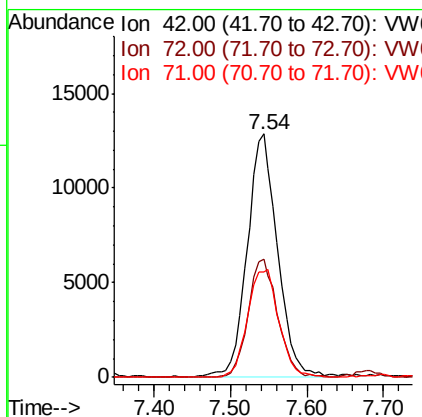
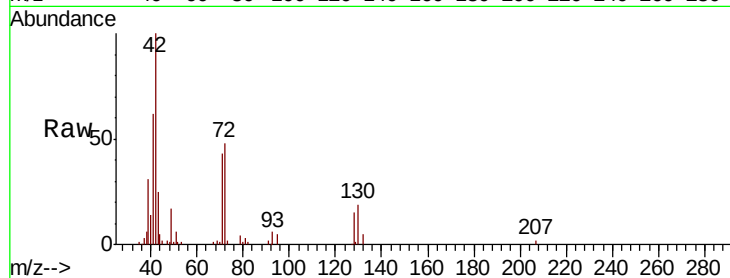
ClientSampleId :

VW1022SBS01

Tot Ion:	42	Resp:	35654
Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.0	57.0
71	45.3	35.3	52.9

Manual Integrations
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sam
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#30

Chloroform

Concen: 20.256 ug/l

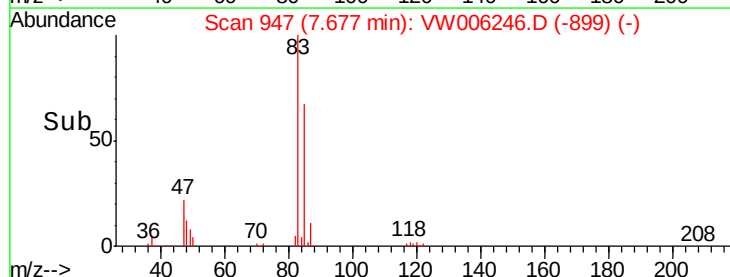
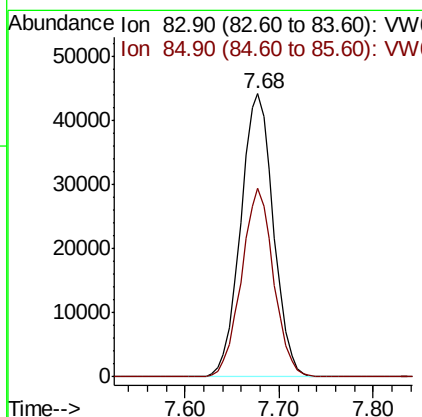
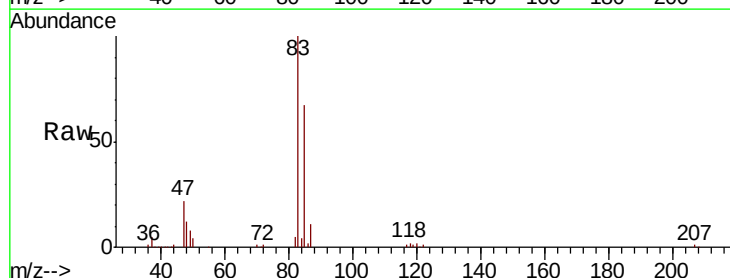
RT: 7.68 min Scan# 947

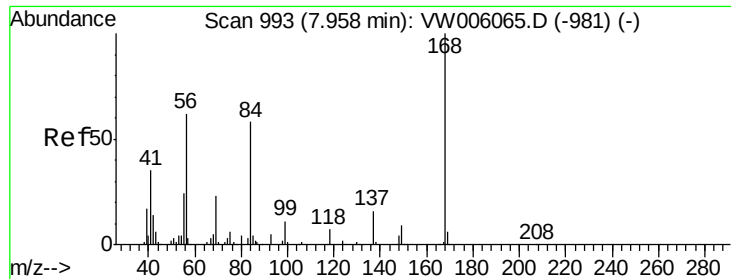
Delta R.T. -0.01 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Tgt Ion:	83	Resp:	107111
Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.6	79.0





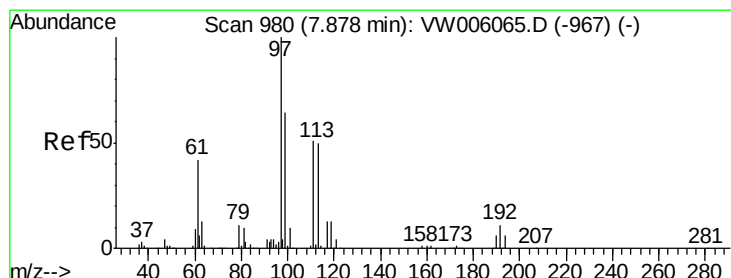
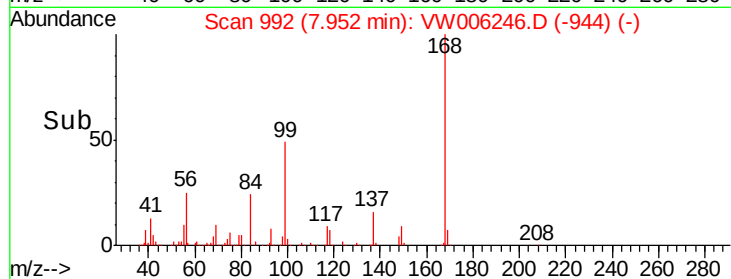
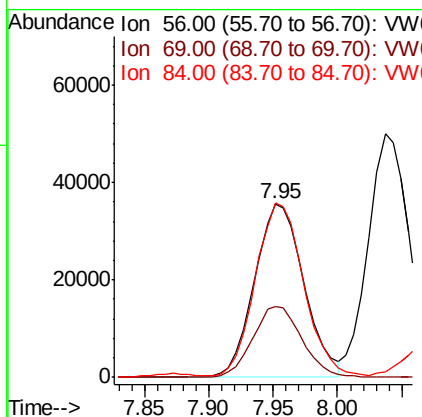
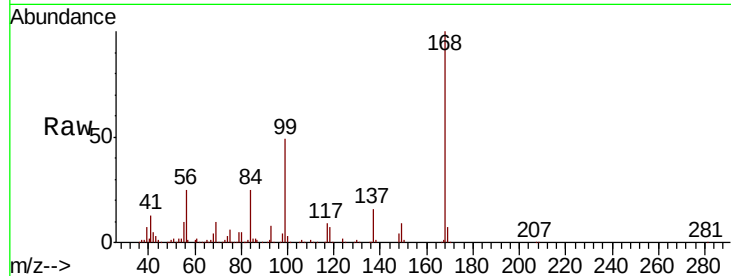
#31
Cyclohexane
Concen: 19.556 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.4	29.4	44.0
84	98.6	74.0	111.0

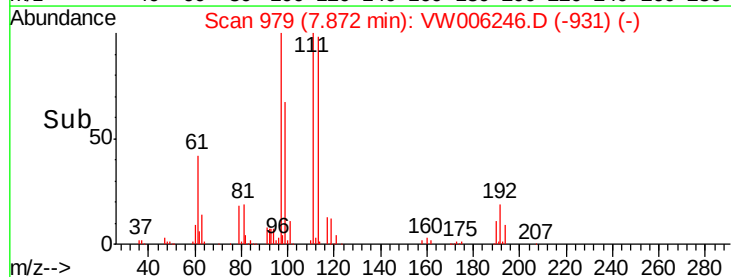
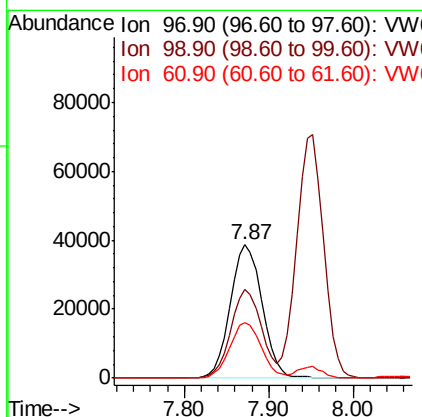
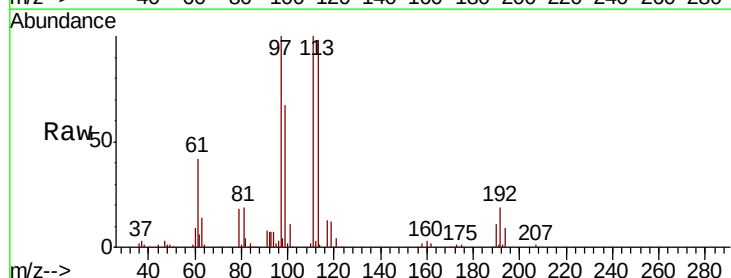
Manual Integrations
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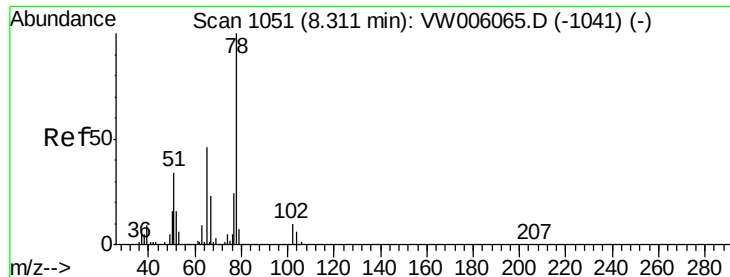
sam
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#32
1,1,1-Trichloroethane
Concen: 20.703 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.9	76.3
61	41.5	33.7	50.5





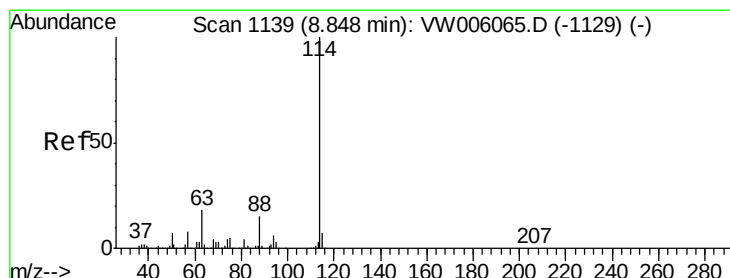
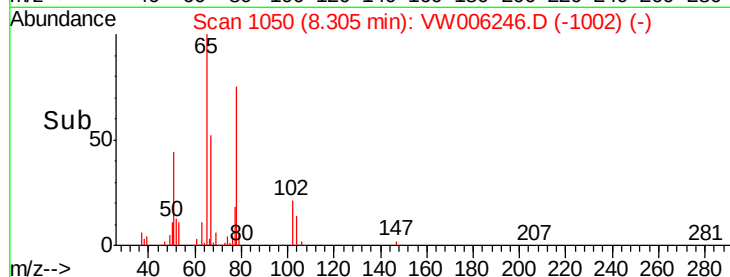
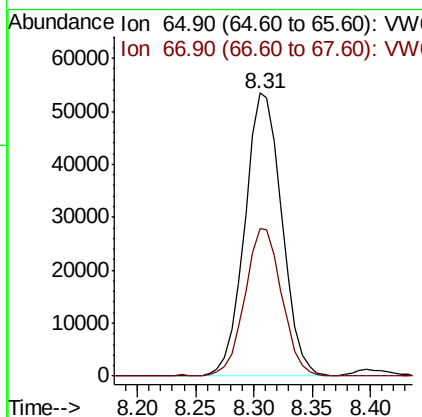
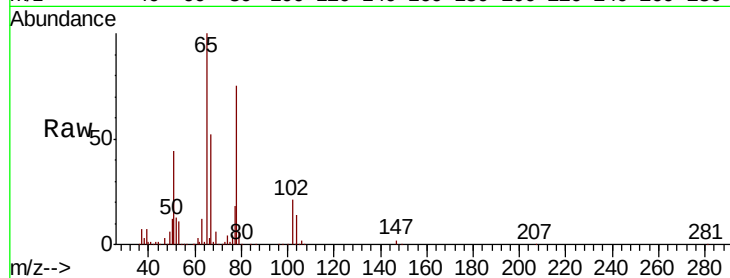
#33
 1,2-Dichloroethane-d4
 Concen: 45.008 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	101.0

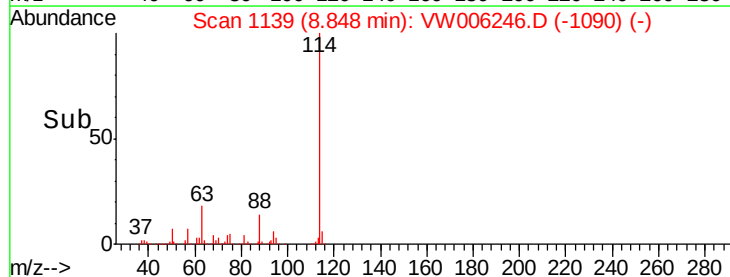
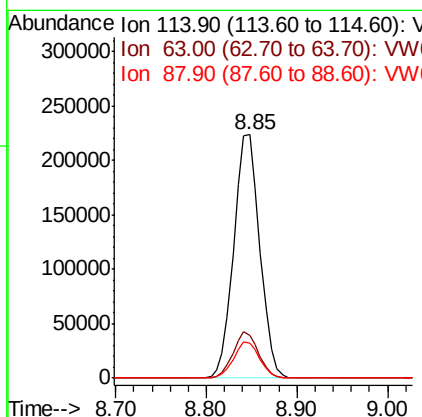
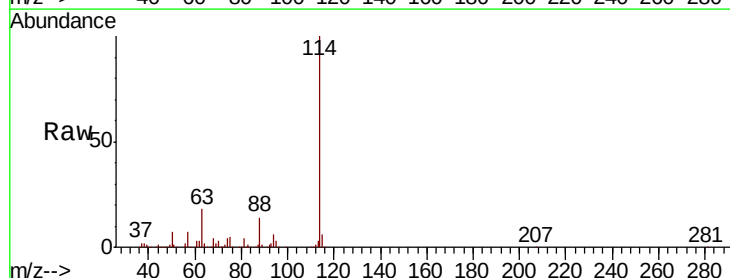
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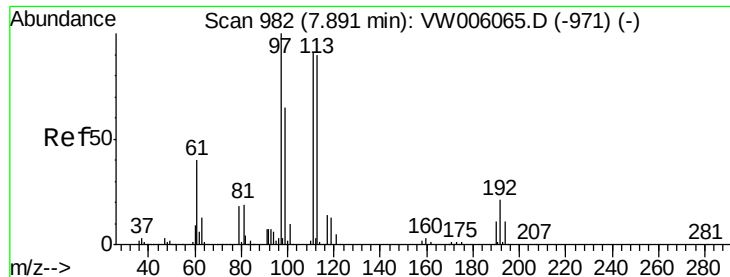
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	36.8
88	14.5	0.0	29.0





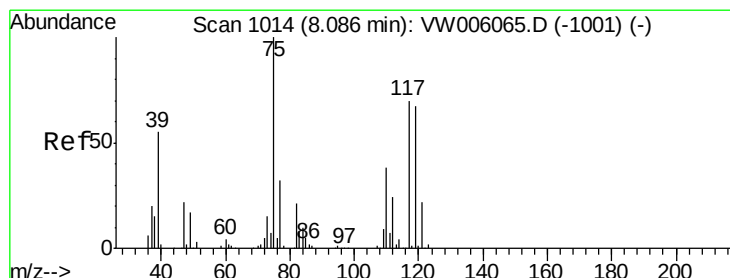
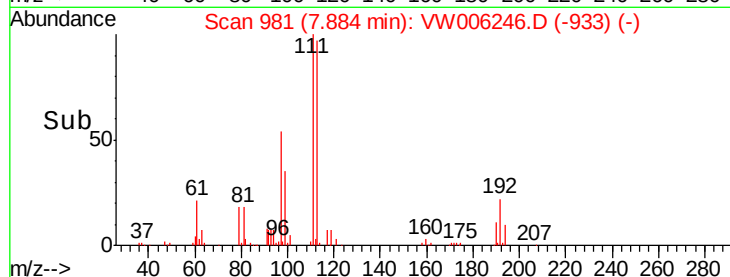
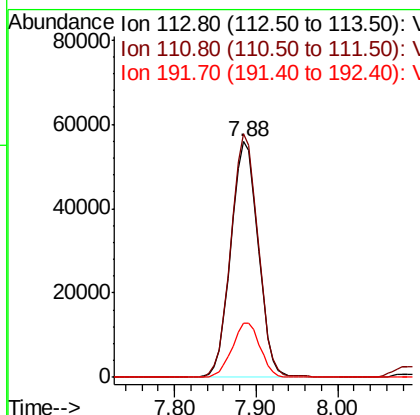
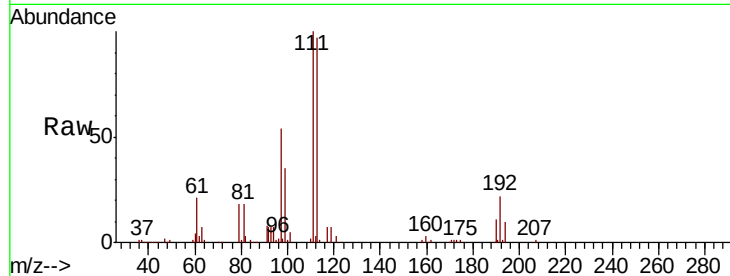
#35
 Dibromofluoromethane
 Concen: 49.085 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129231		
111	102.6	81.4	122.0	
192	23.5	18.7	28.1	

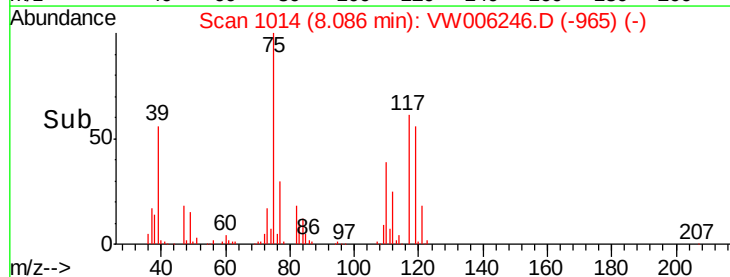
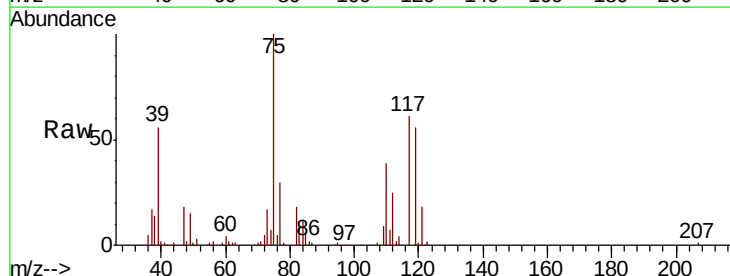
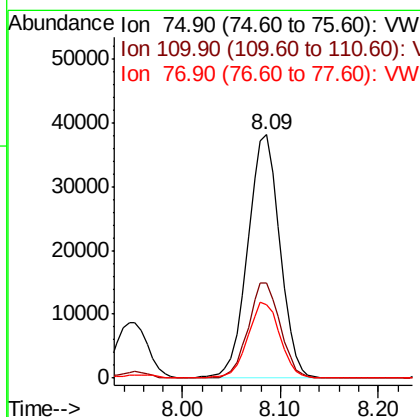
Manual Integrations
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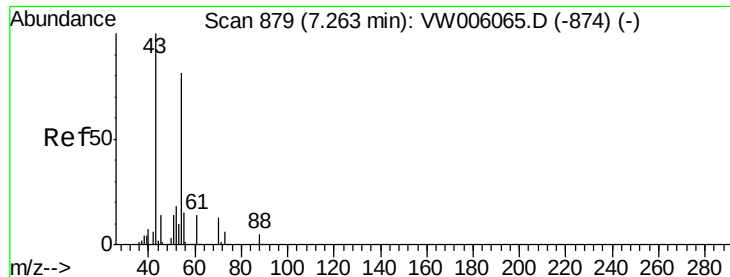
sam
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#36
 1,1-Dichloropropene
 Concen: 21.171 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86948		
110	38.8	19.1	57.1	
77	31.1	25.0	37.4	





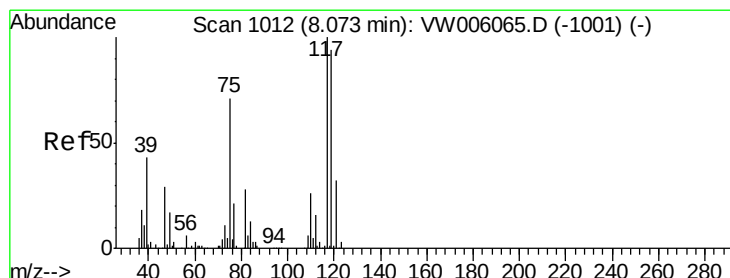
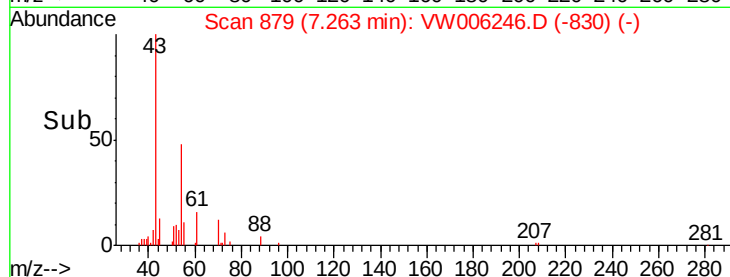
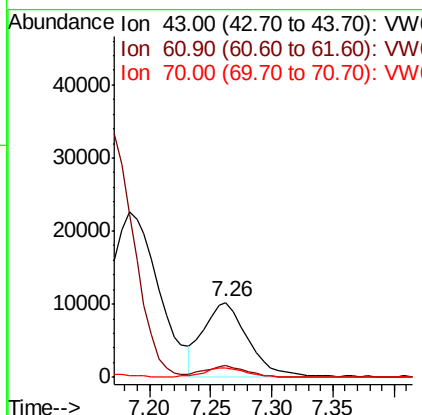
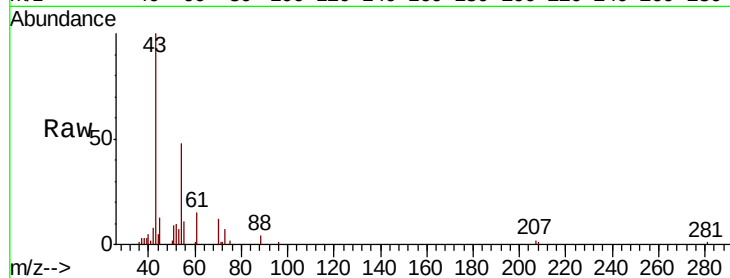
#37
Ethyl Acetate
Concen: 16.776 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.5	17.3
70	12.1	9.2	13.8

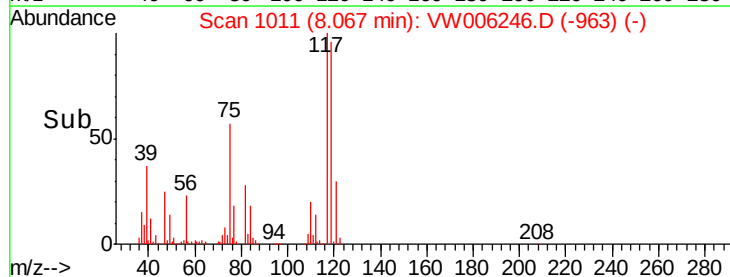
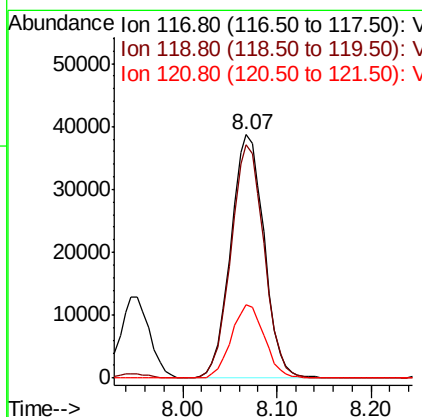
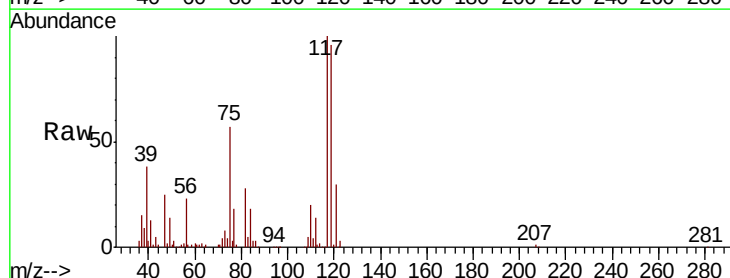
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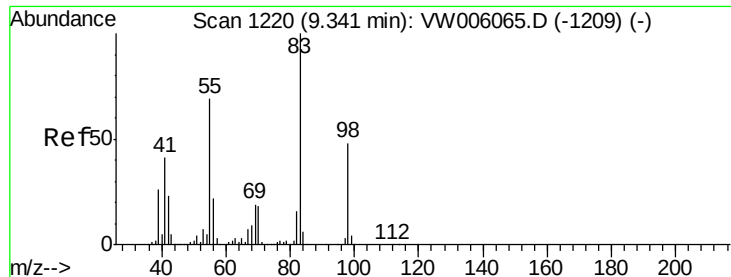
sam
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#38
Carbon Tetrachloride
Concen: 21.195 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.2	112.8
121	29.9	25.3	37.9





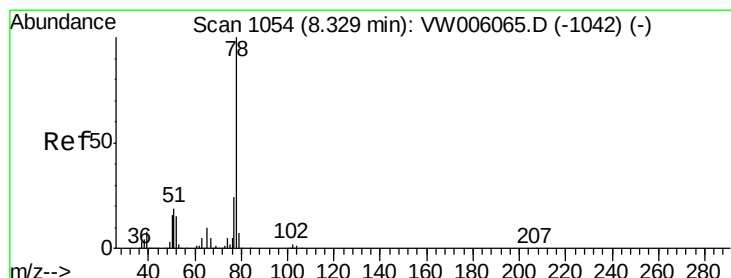
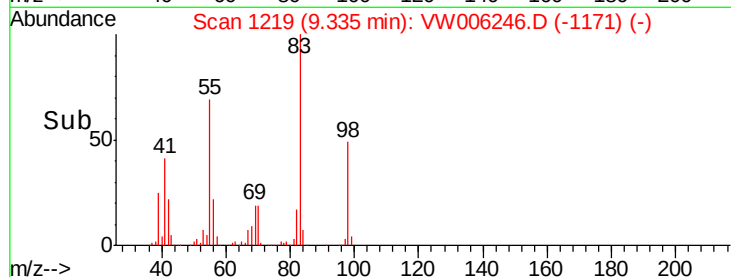
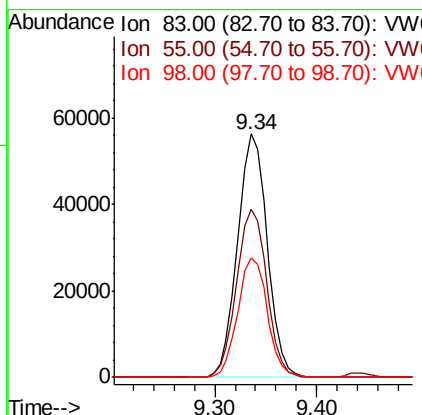
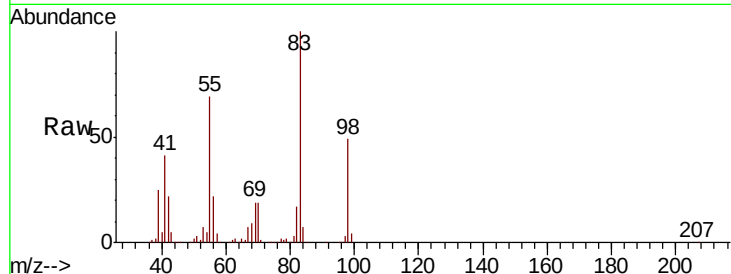
#39
Methylvlcyclohexane
Concen: 20.915 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	69.0		55.0	82.6
98	48.9		38.6	57.8

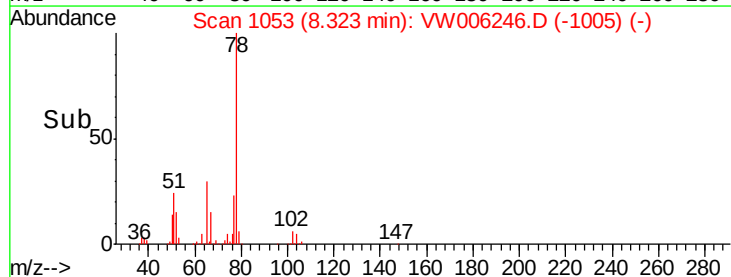
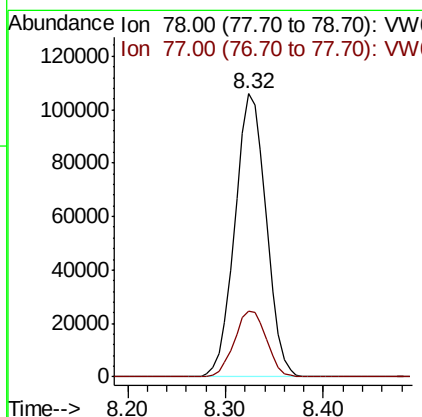
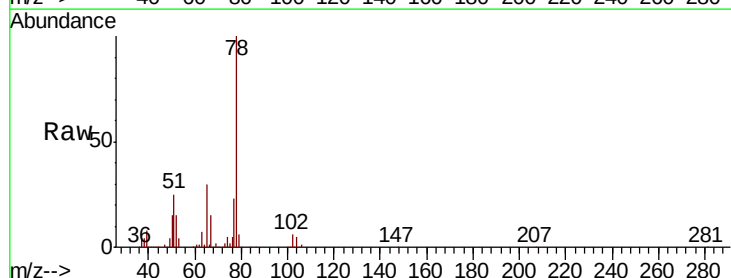
Manual Integrations
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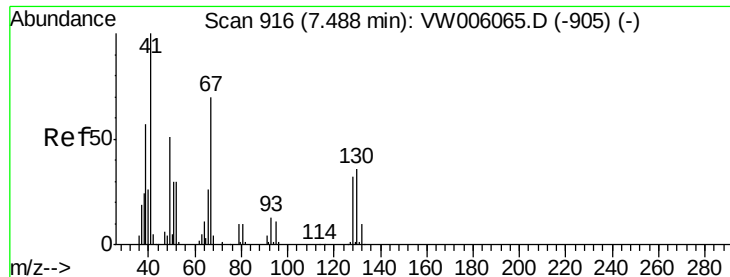
sam
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#40
Benzene
Concen: 20.863 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4		19.4	29.0





#41

Methacrylonitrile

Concen: 17.395 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion: 41 Resp: 16001

Ion Ratio Lower Upper

41 100

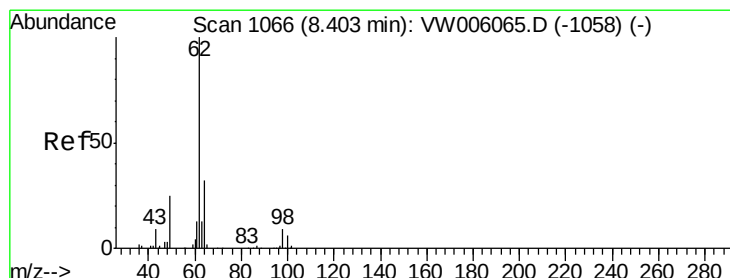
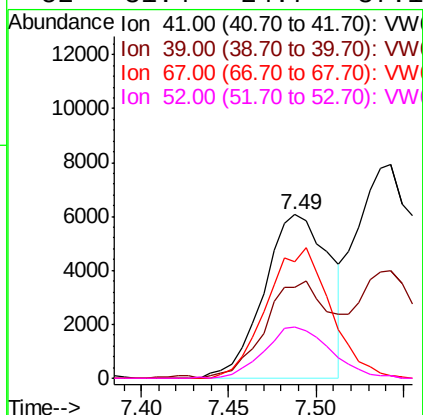
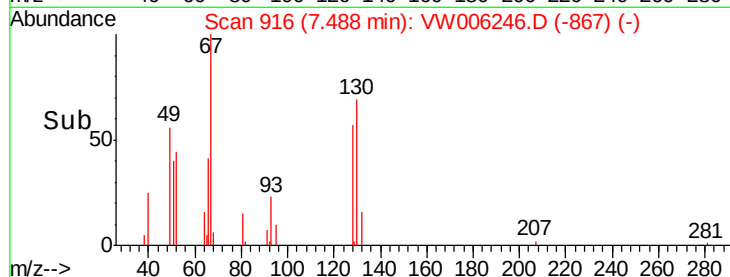
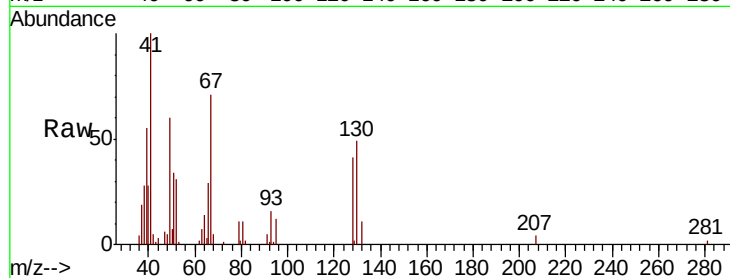
39 62.7 46.2 69.4

67 77.5 57.7 86.5

52 31.4 24.7 37.1

Manual Integrations
APPROVED

sam
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#42

1,2-Dichloroethane

Concen: 19.995 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006246.D

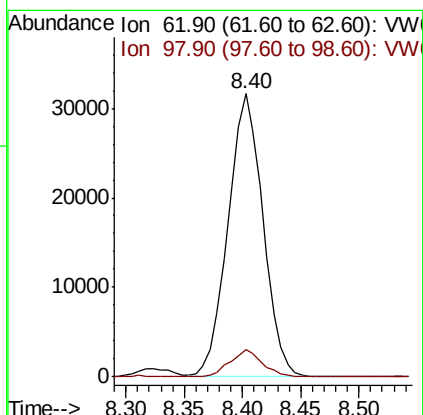
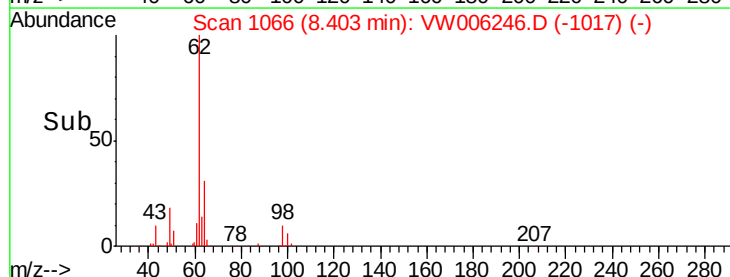
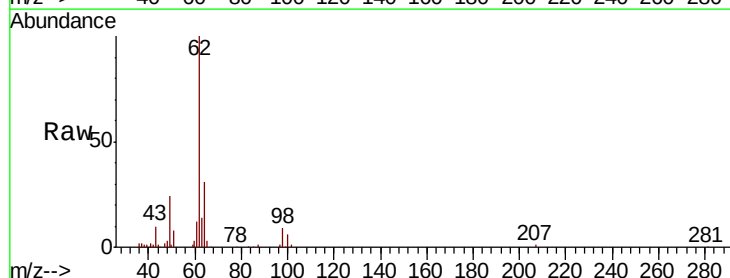
Acq: 22 Oct 2018 13:00

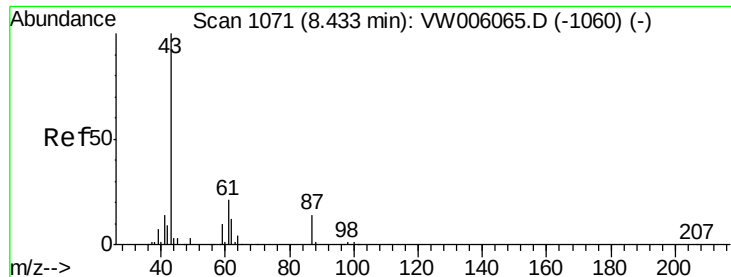
Tgt Ion: 62 Resp: 66180

Ion Ratio Lower Upper

62 100

98 8.9 0.0 18.4





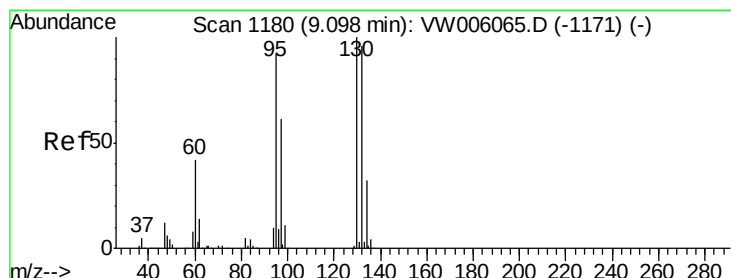
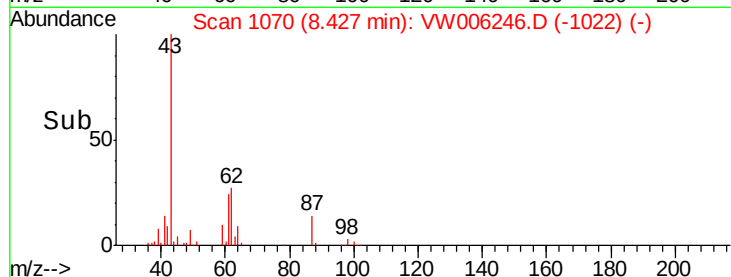
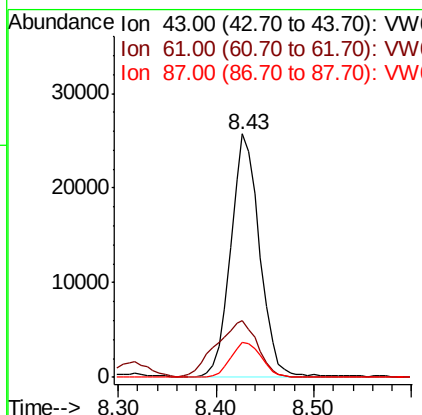
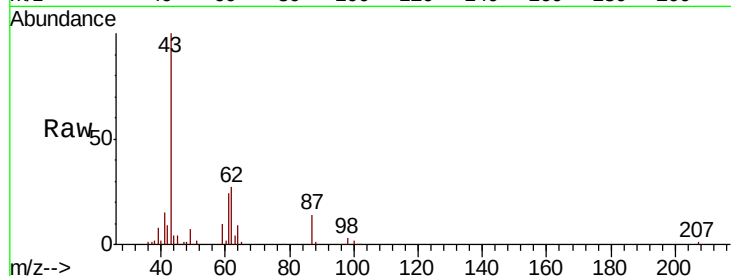
#43
Isopropyl Acetate
Concen: 16.733 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.01 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.4	25.5	38.3
87	15.4	11.7	17.5

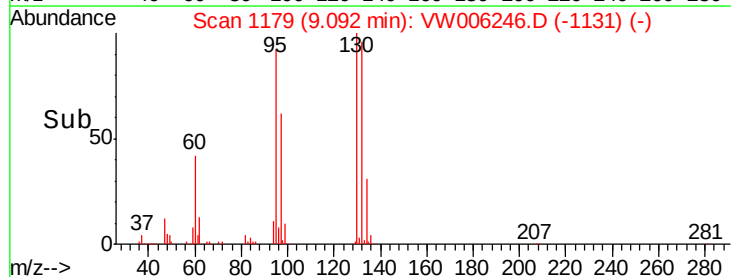
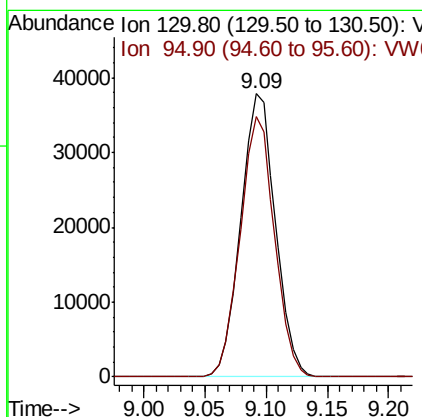
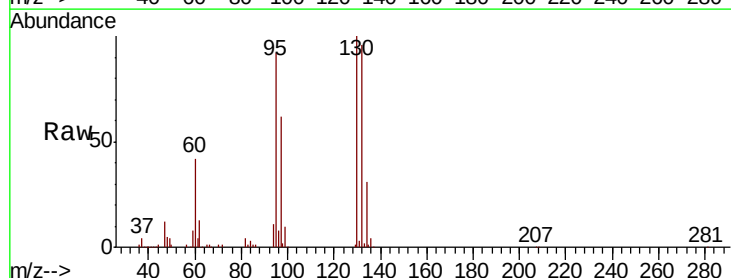
Manual Integrations
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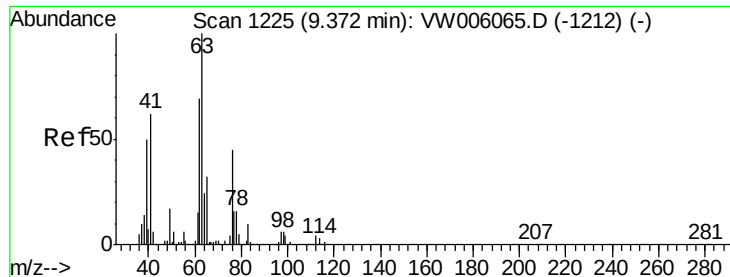
sam
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#44
Trichloroethene
Concen: 21.575 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	183.2





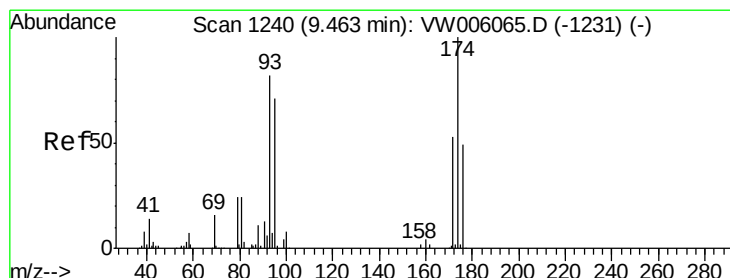
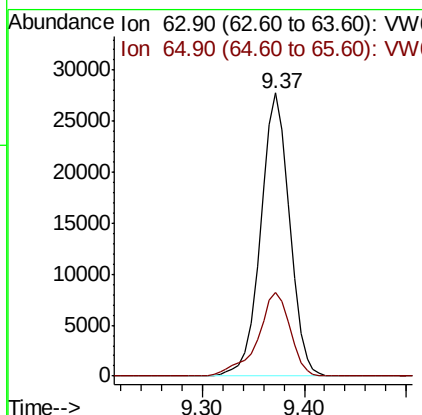
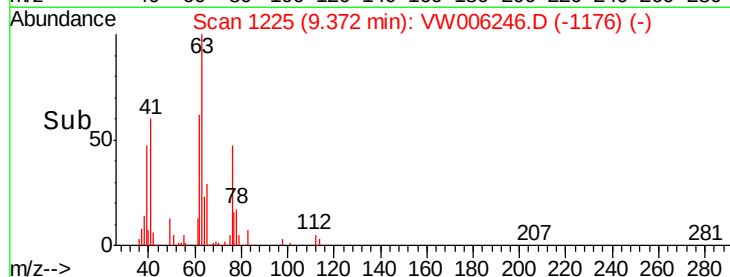
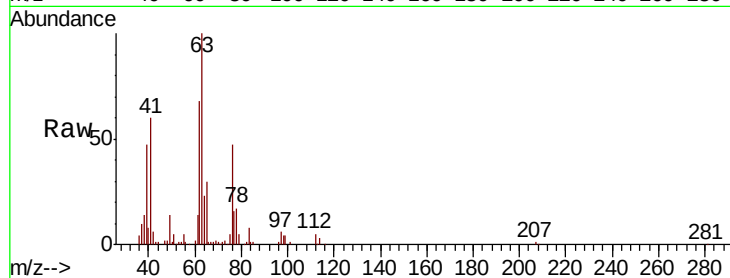
#45
 1,2-Dichloropropane
 Concen: 20.256 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	25.4	38.0

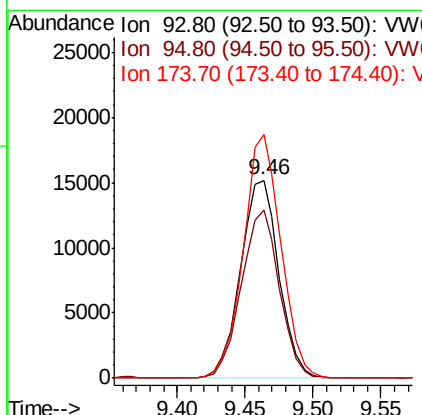
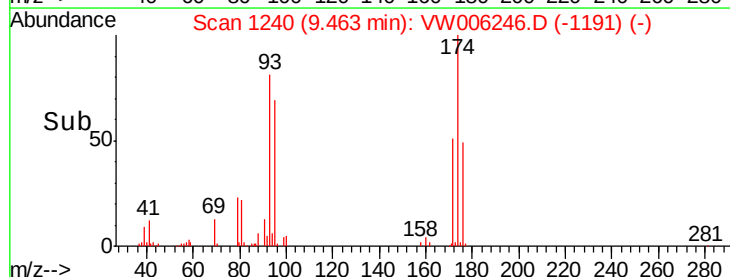
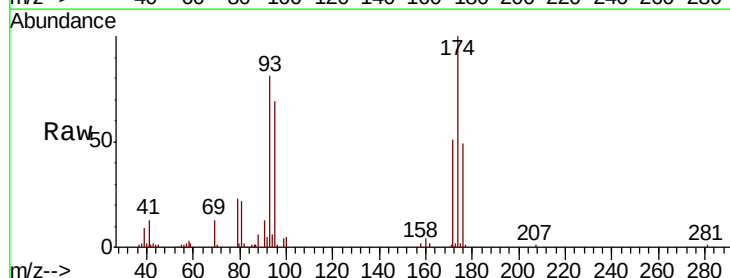
Manual Integrations
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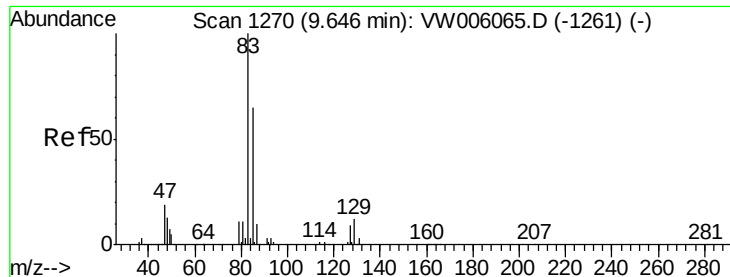
sam
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#46
 Dibromomethane
 Concen: 19.492 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.7	101.5
174	120.7	93.7	140.5





#47

Bromodichloromethane

Concen: 19.725 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

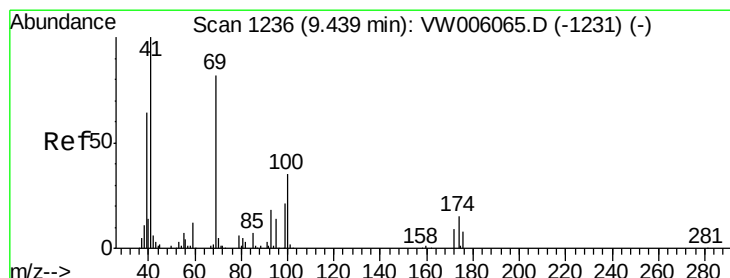
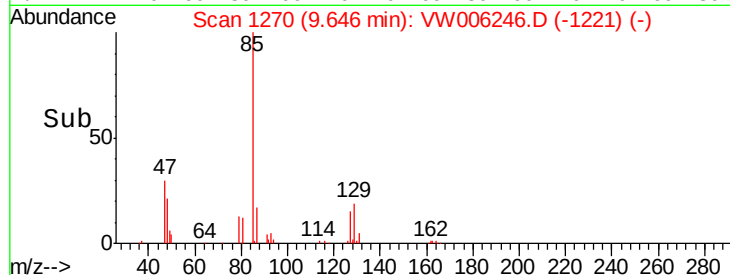
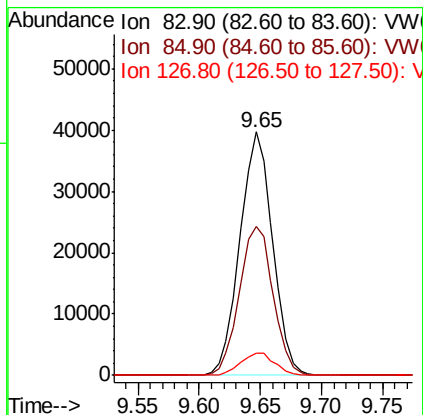
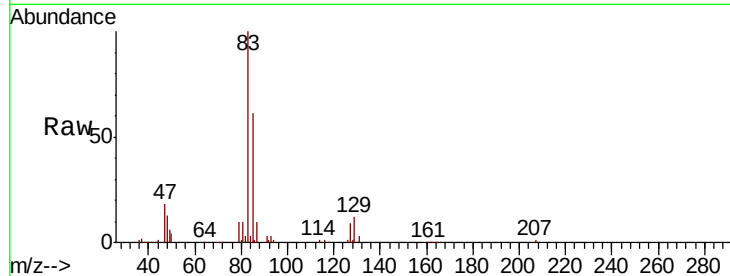
ClientSampleId :

VW1022SBS01

Tot Ion:	83	Resp:	73478
Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.8	77.8
127	9.3	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.913 ug/l

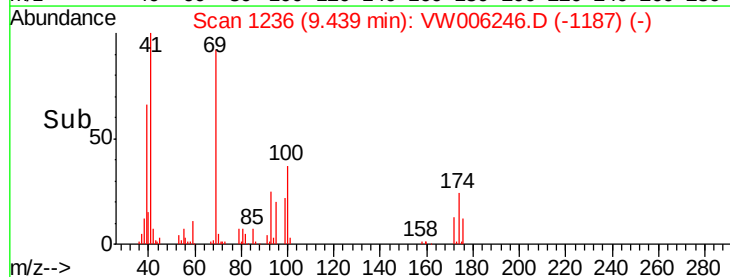
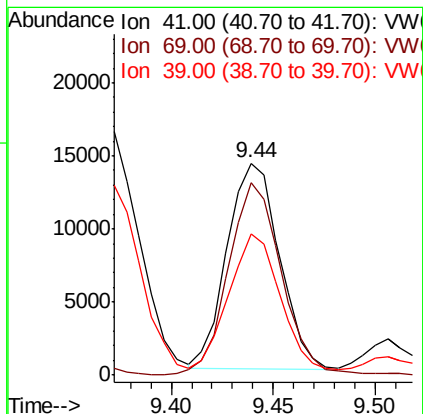
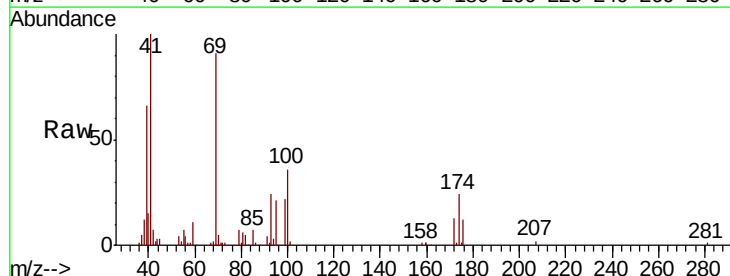
RT: 9.44 min Scan# 1236

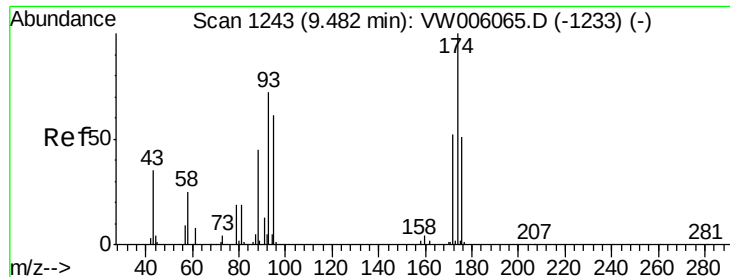
Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Tgt Ion:	41	Resp:	25012
Ion	Ratio	Lower	Upper
41	100		
69	95.6	71.8	107.8
39	64.7	52.5	78.7





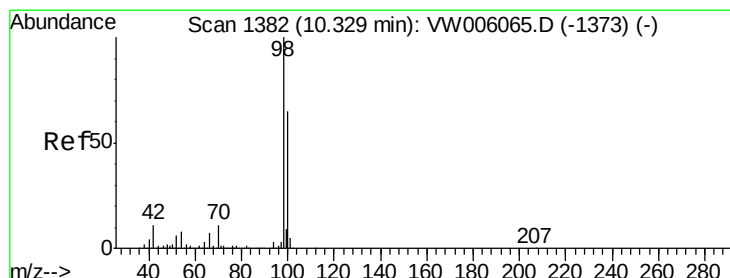
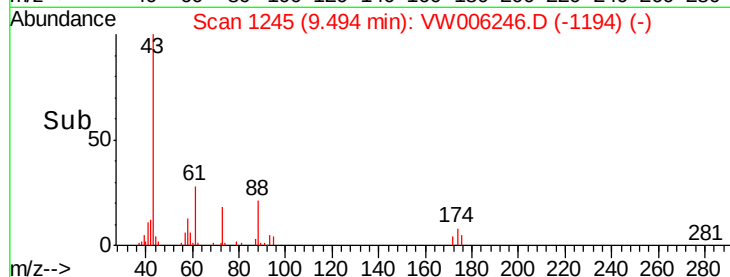
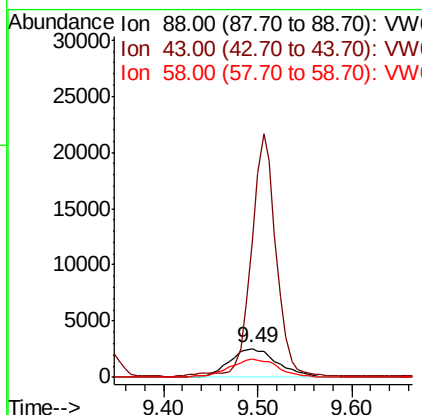
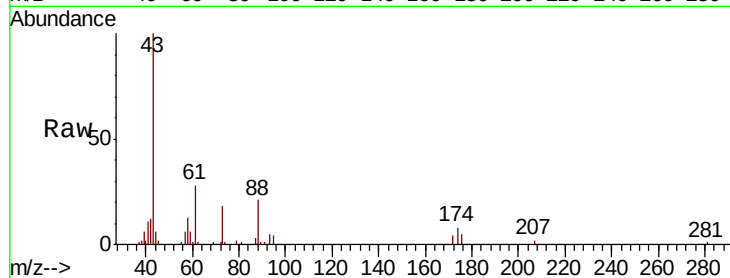
#49
1,4-Dioxane
Concen: 381.432 ug/l
RT: 9.49 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	453.5	0.0	0.0#
58	65.2	51.2	76.8

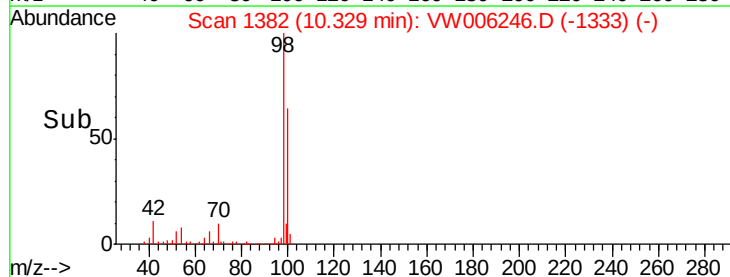
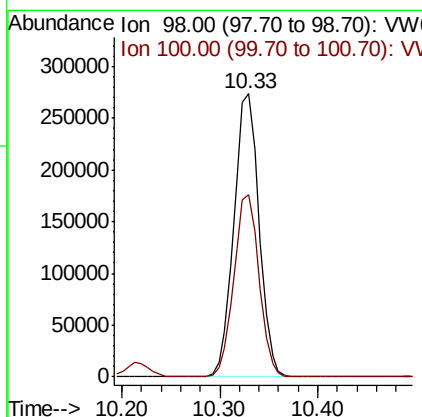
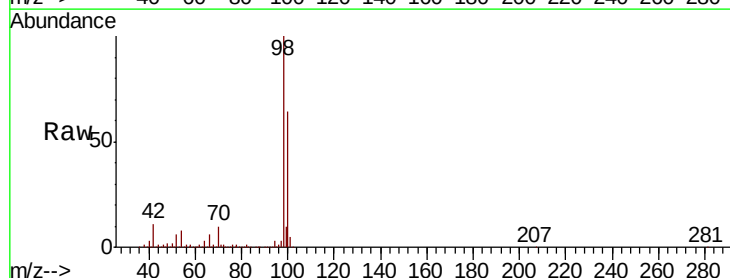
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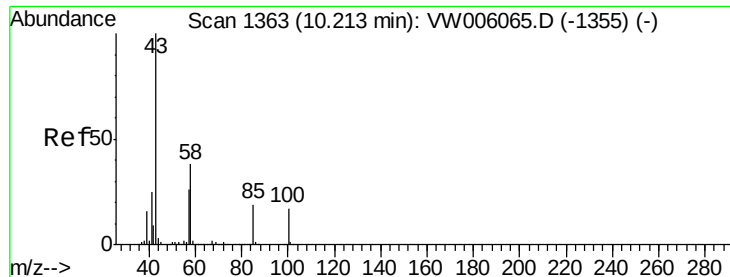
sam
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#50
Toluene-d8
Concen: 48.821 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 83.885 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion: 43 Resp: 131125

Ion Ratio Lower Upper

43 100

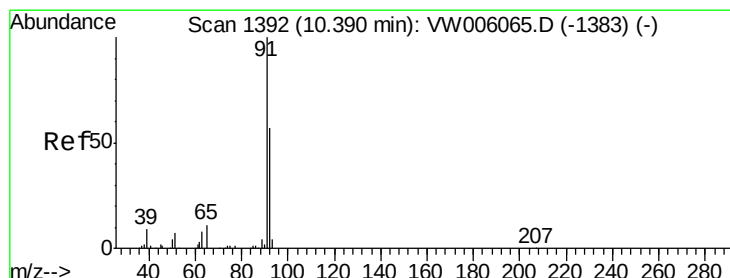
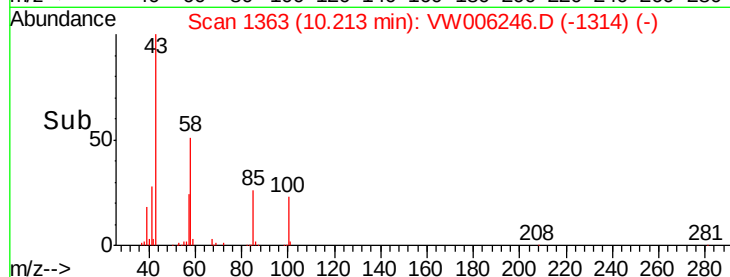
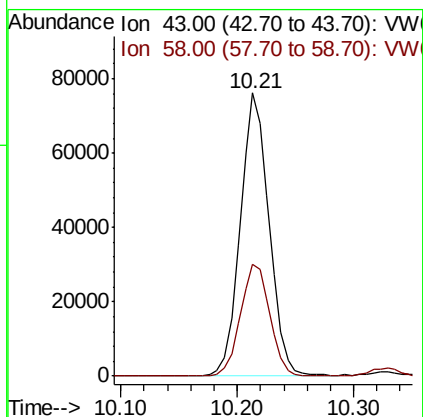
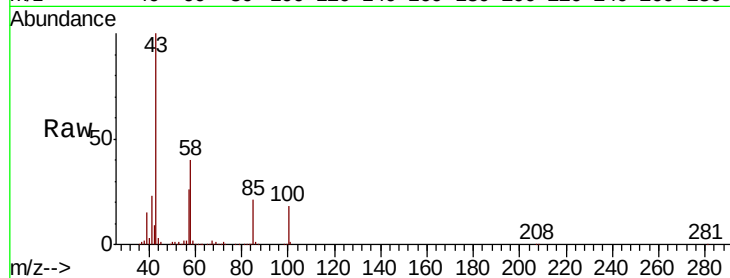
58 40.6 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 21.146 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006246.D

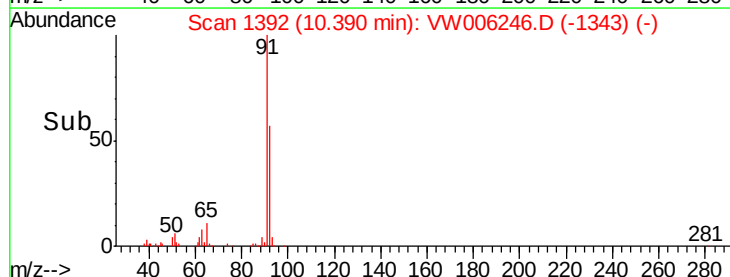
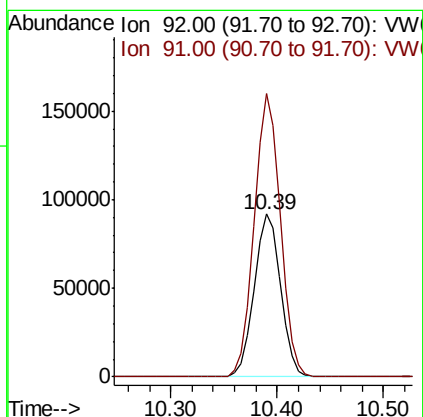
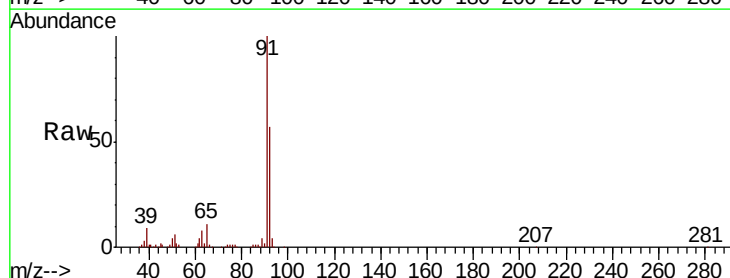
Acq: 22 Oct 2018 13:00

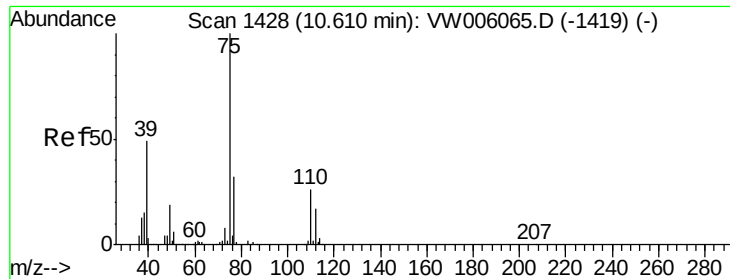
Tgt Ion: 92 Resp: 159705

Ion Ratio Lower Upper

92 100

91 172.6 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 19.099 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion: 75 Resp: 70882

Ion Ratio Lower Upper

75 100

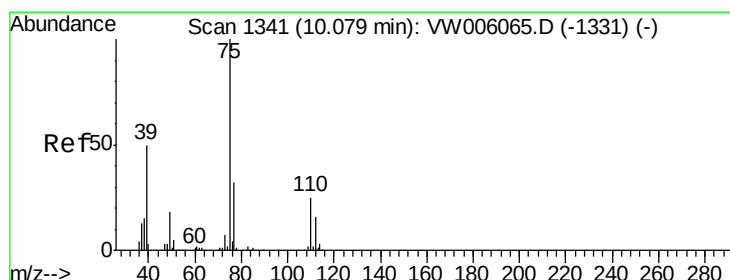
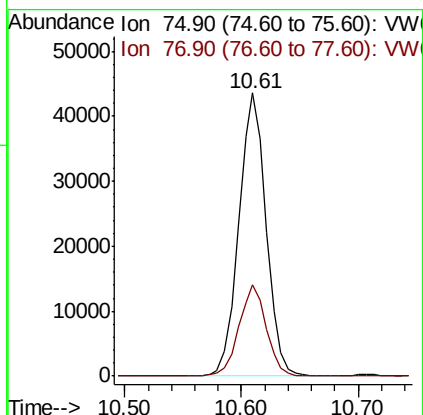
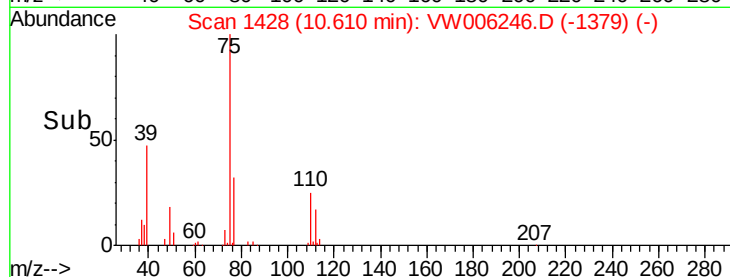
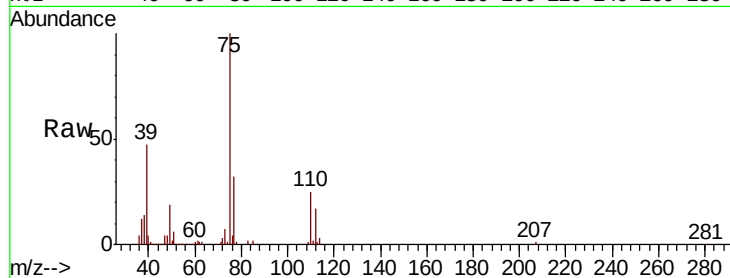
77 32.3 25.4 38.2

Manual Integrations

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sam

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#54

cis-1,3-Dichloropropene

Concen: 20.008 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

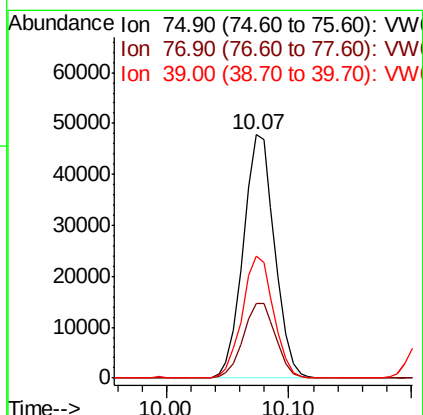
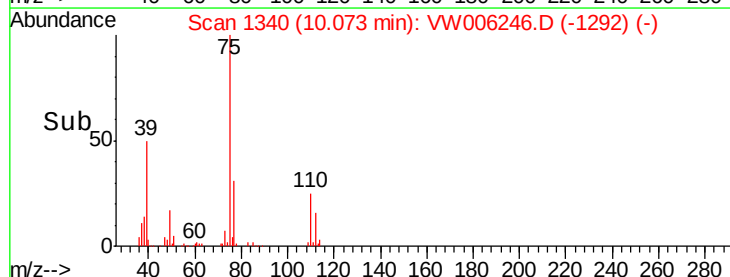
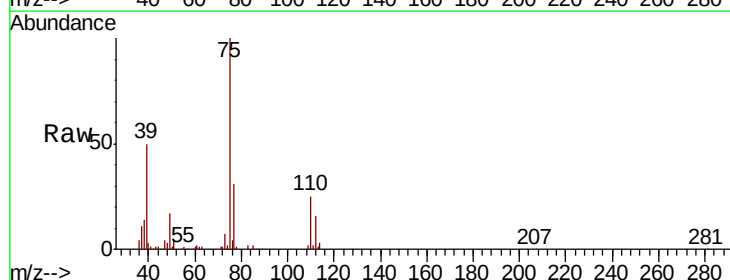
Tgt Ion: 75 Resp: 85225

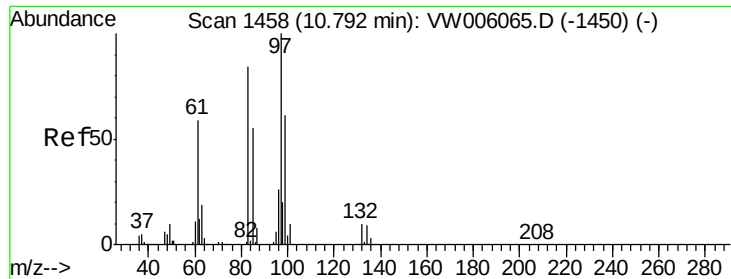
Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8

39 50.0 39.9 59.9





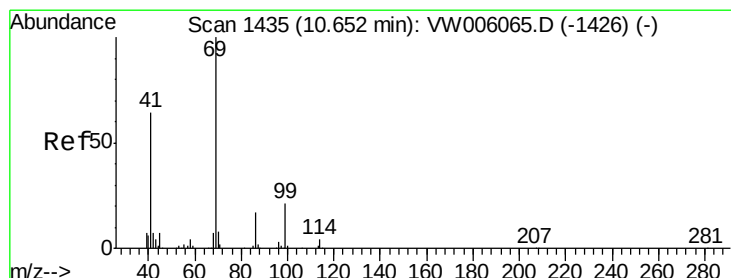
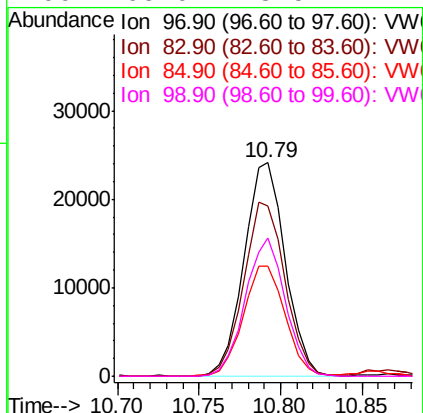
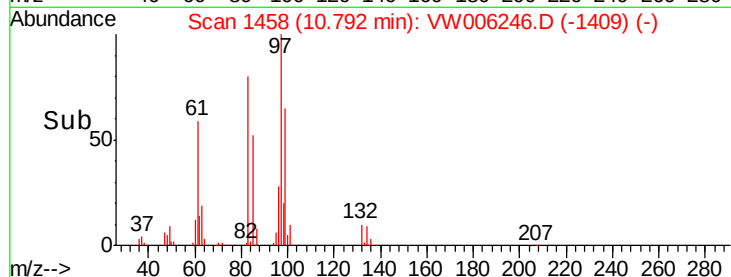
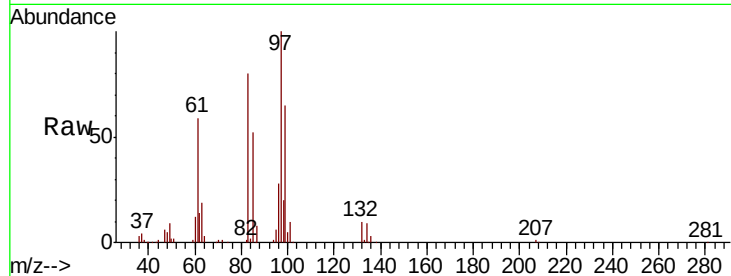
#55
 1,1,2-Trichloroethane
 Concen: 19.691 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		42337		
83	79.7	67.2	100.8		
85	51.7	43.7	65.5		
99	65.0	48.5	72.7		

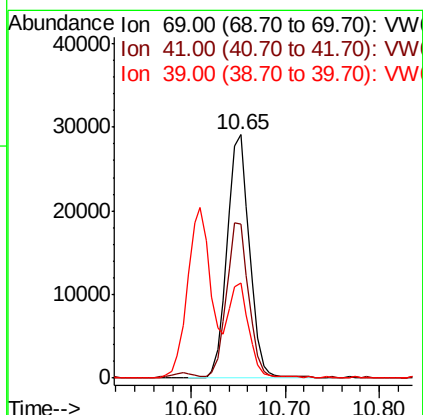
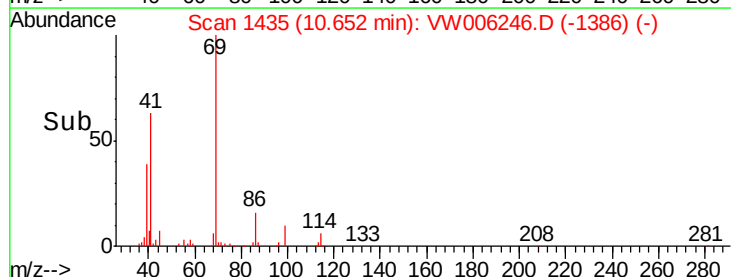
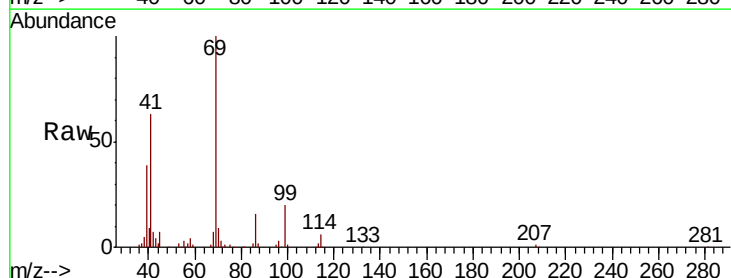
Manual Integrations
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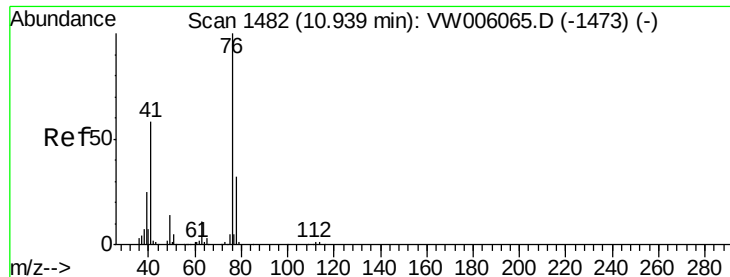
sam
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#56
 Ethyl methacrylate
 Concen: 18.231 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		48055		
41	62.3	52.8	79.2		
39	33.5	30.6	45.8		





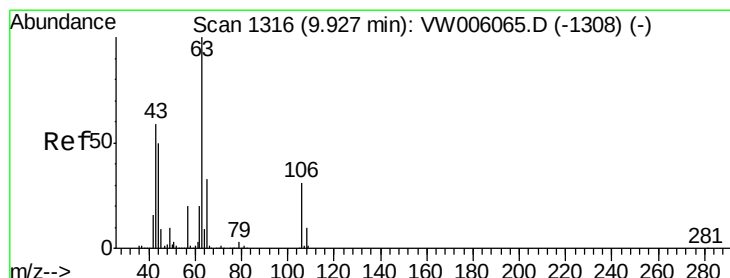
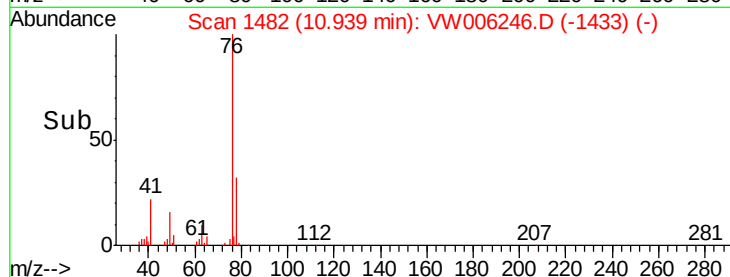
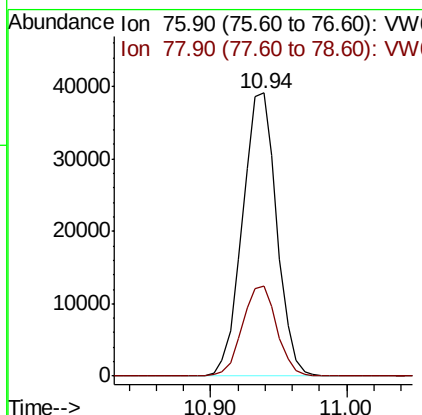
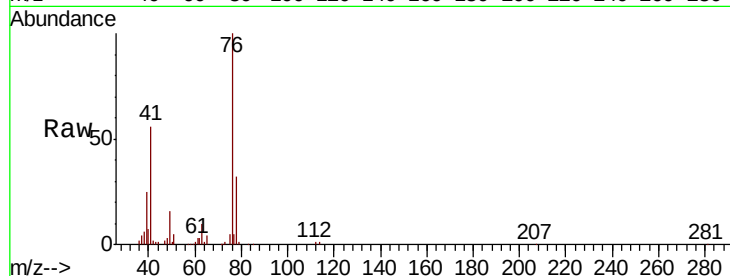
#57
 1,3-Dichloropropane
 Concen: 19.337 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBS01

Tot Ion: 76 Resp: 68825
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9

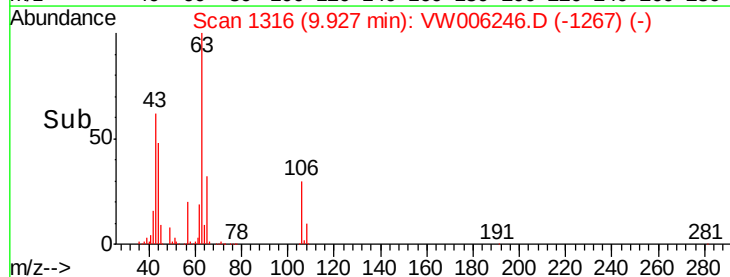
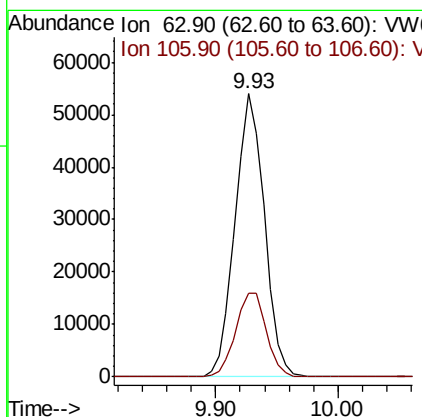
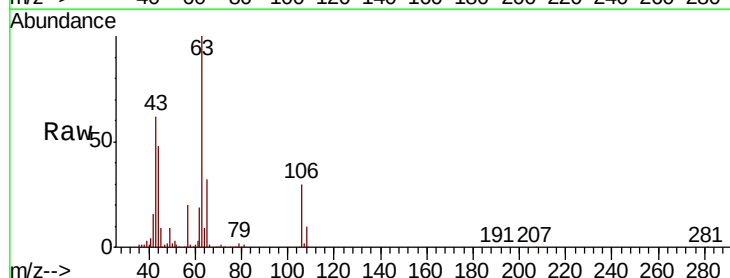
Manual Integrations
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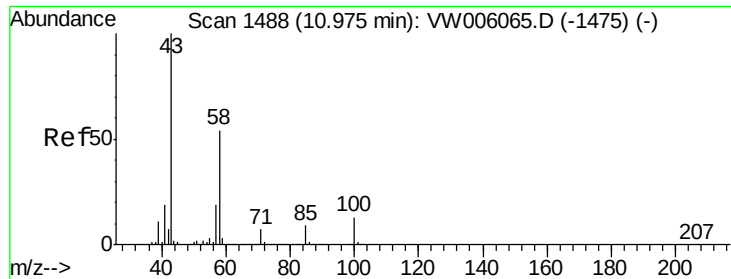
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 88.991 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Tgt Ion: 63 Resp: 89630
 Ion Ratio Lower Upper
 63 100
 106 31.1 24.5 36.7





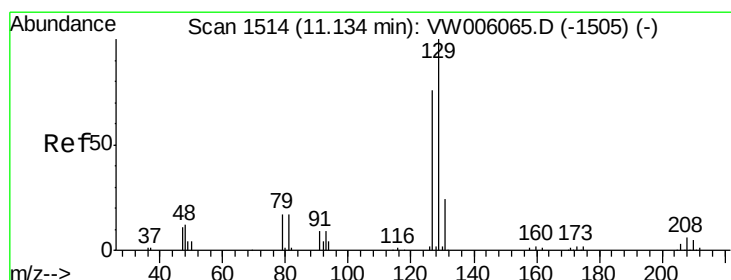
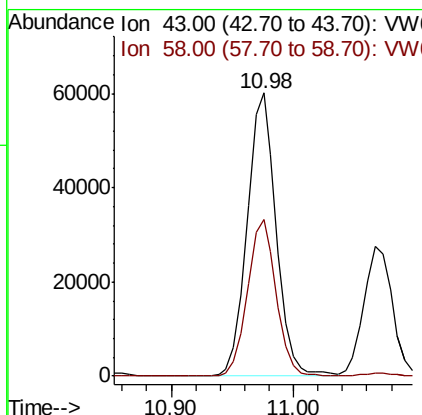
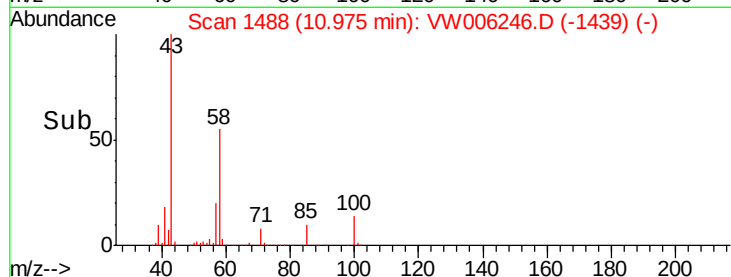
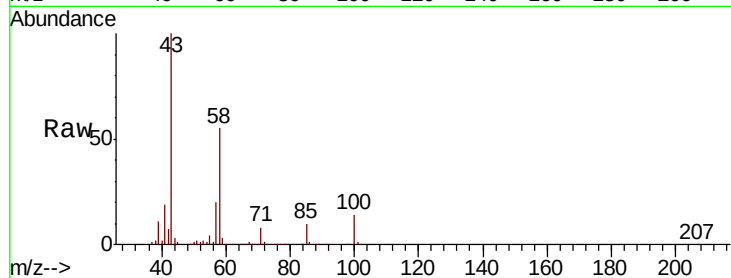
#59
2-Hexanone
Concen: 88.995 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion: 43 Resp: 99303
Ion Ratio Lower Upper
43 100
58 54.6 26.9 80.6

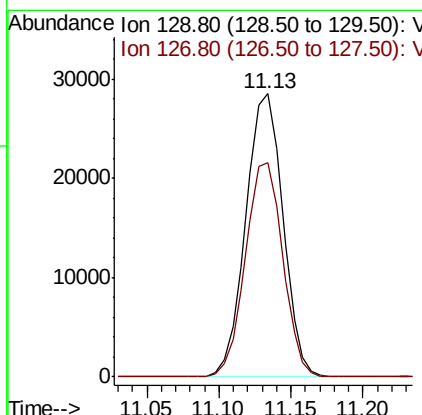
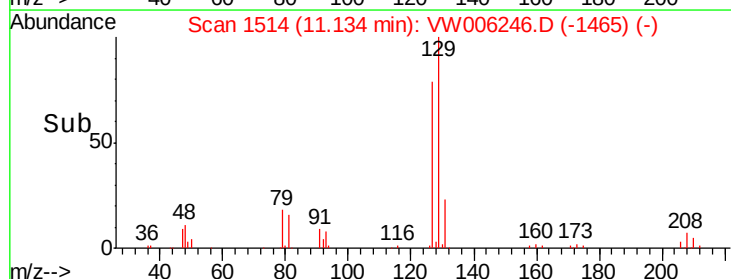
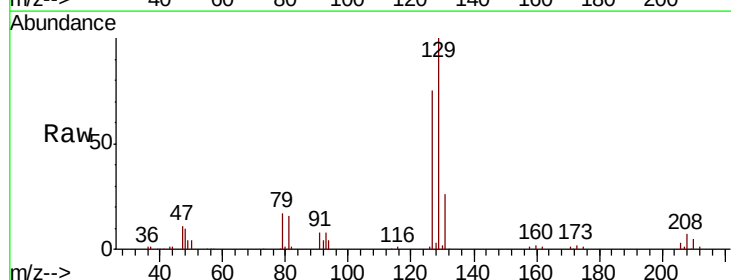
Manual Integrations
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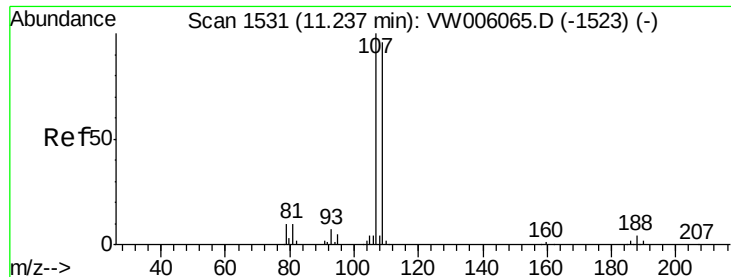
sam
10/24/2018 5:33:03 PM



#60
Dibromochloromethane
Concen: 19.076 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion: 129 Resp: 51087
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 19.128 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion: 107 Resp: 41094

Ion Ratio Lower Upper

107 100

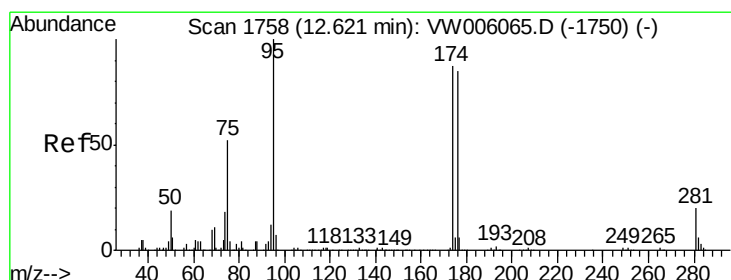
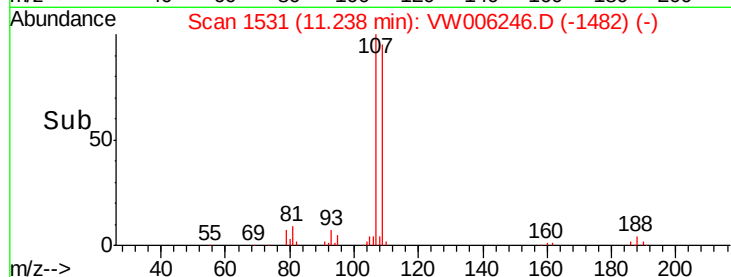
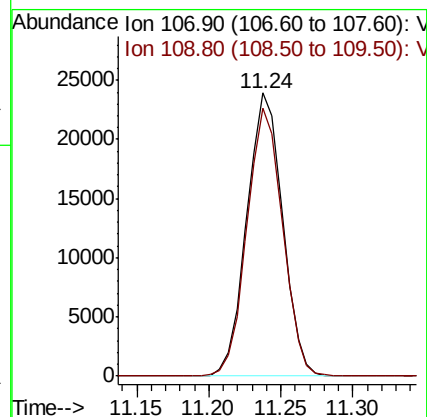
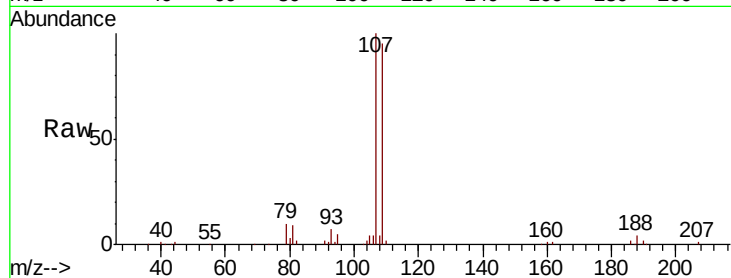
109 94.4 76.3 114.5

Manual Integrations

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sam

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#62

4-Bromofluorobenzene

Concen: 48.787 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

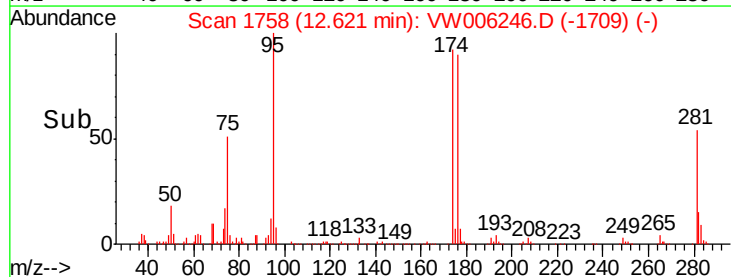
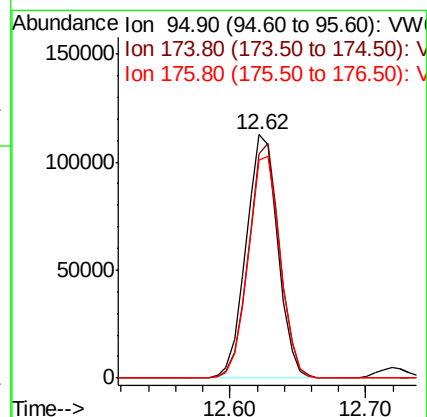
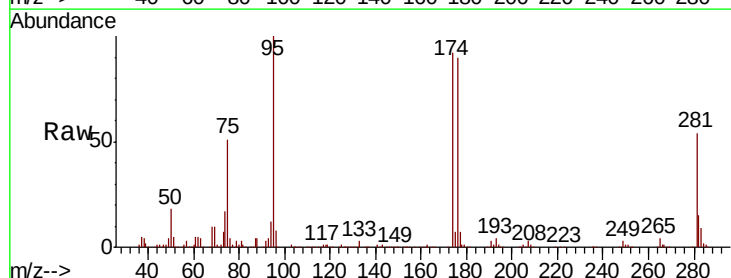
Tgt Ion: 95 Resp: 183540

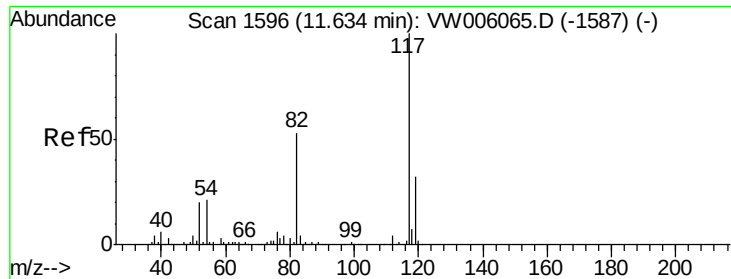
Ion Ratio Lower Upper

95 100

174 95.1 0.0 186.0

176 92.0 0.0 181.6





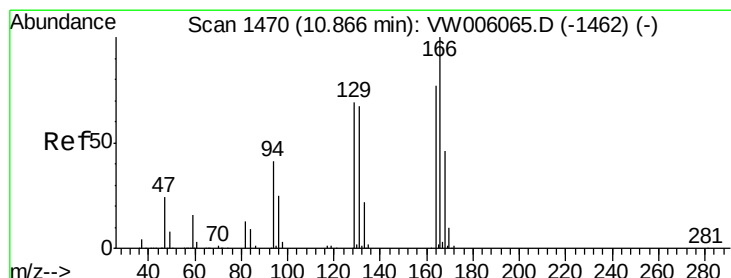
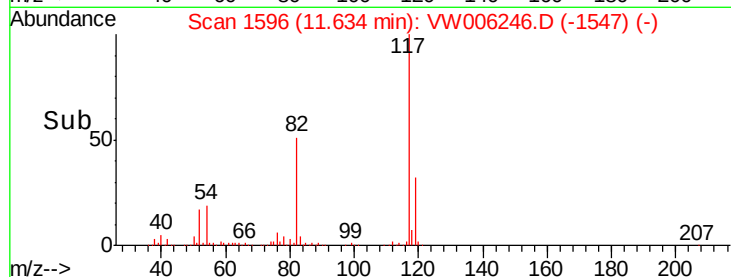
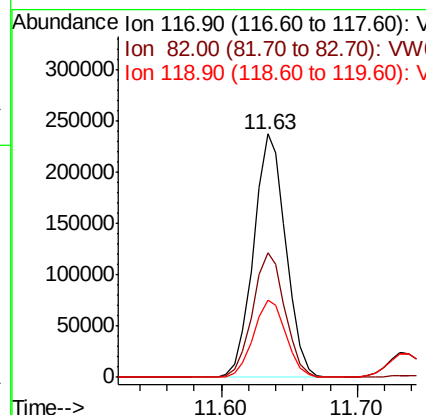
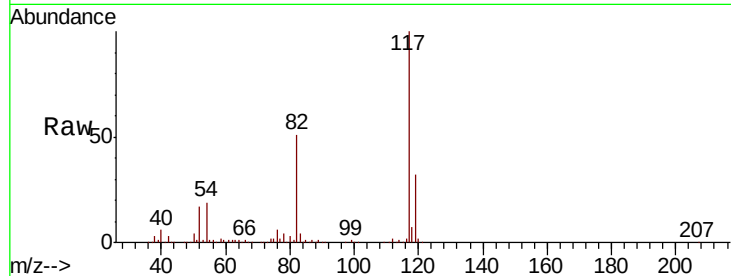
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.1	63.1
119	31.9	25.8	38.6

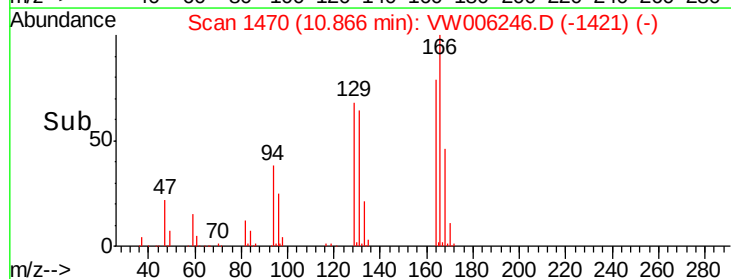
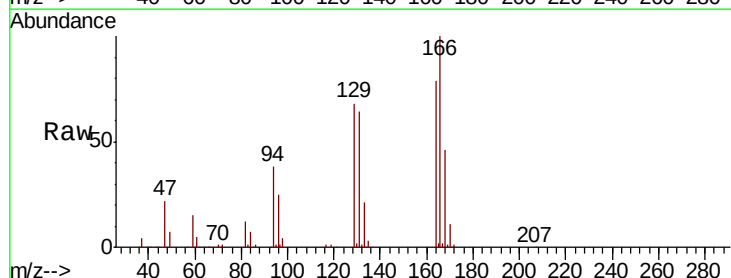
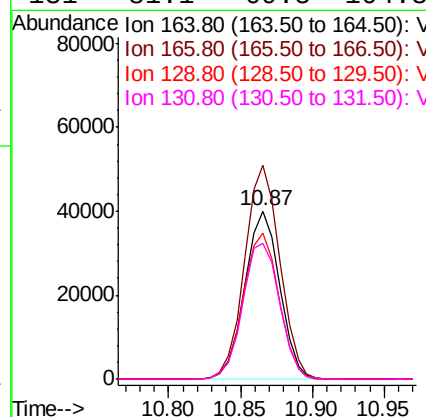
Manual Integrations
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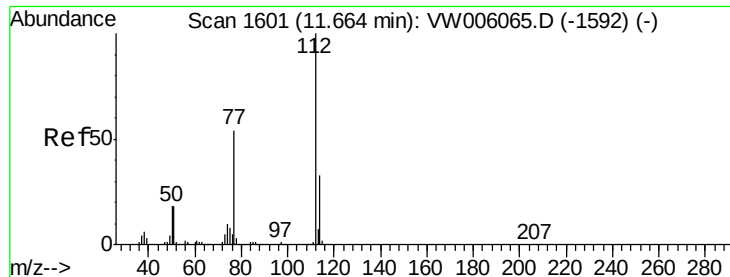
sam
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#64
Tetrachloroethene
Concen: 21.949 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.4	155.0
129	86.9	71.8	107.8
131	81.1	69.5	104.3





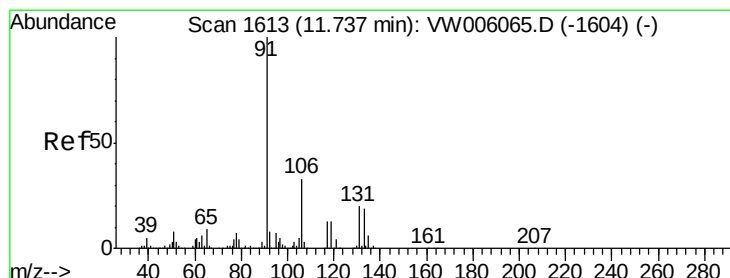
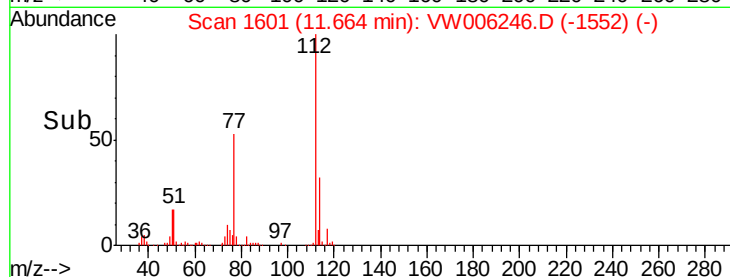
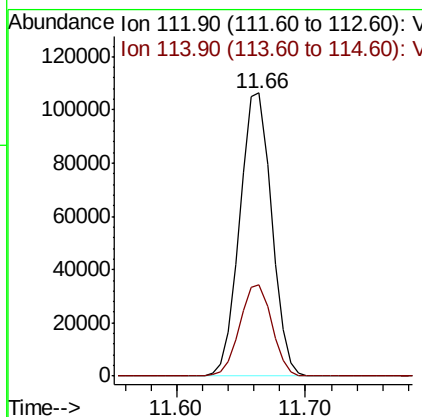
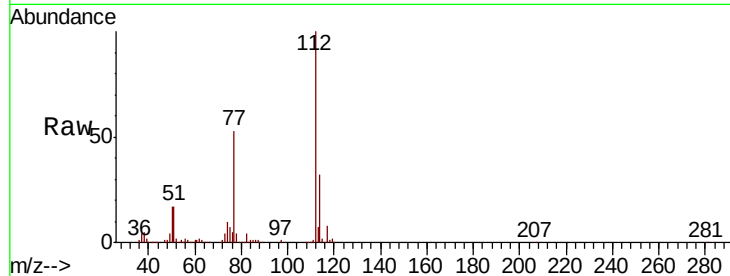
#65
Chlorobenzene
Concen: 21.622 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.2	39.2

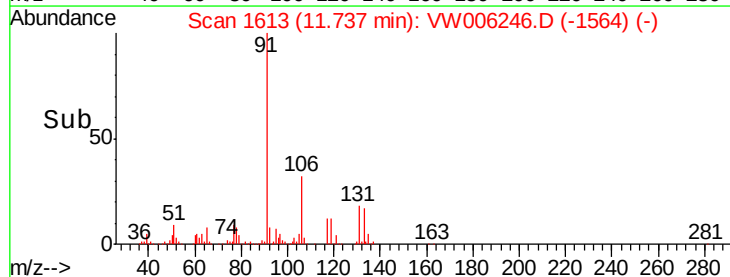
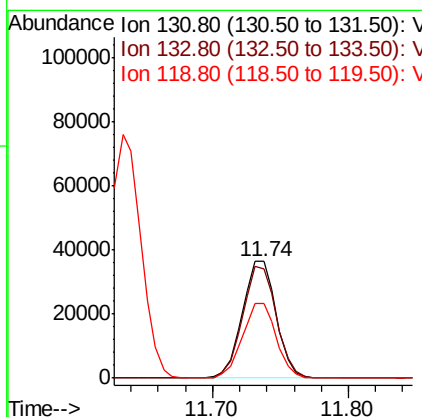
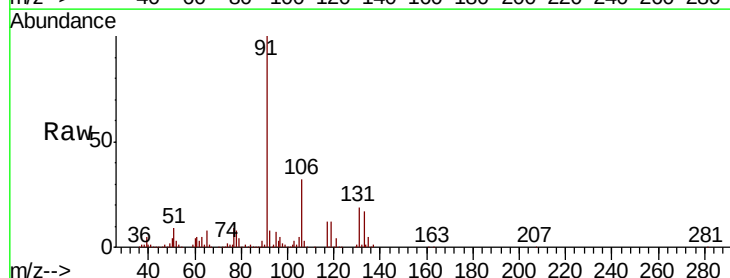
Manual Integrations
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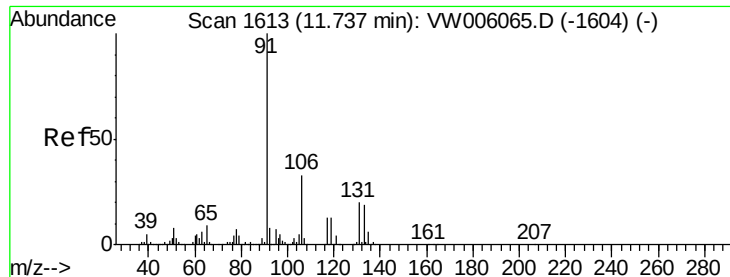
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.116 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.1	144.3
119	64.2	31.6	94.7





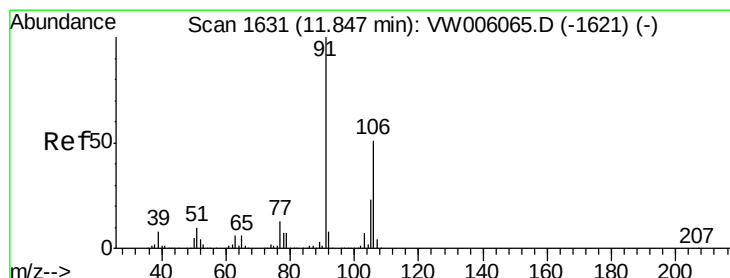
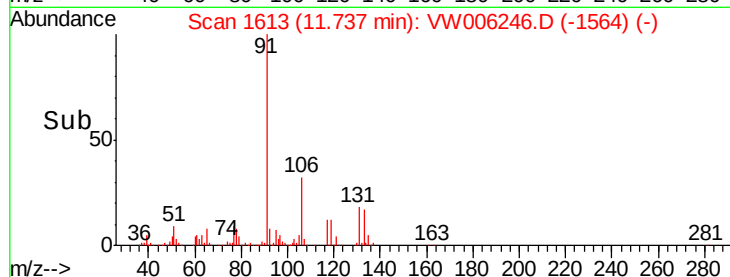
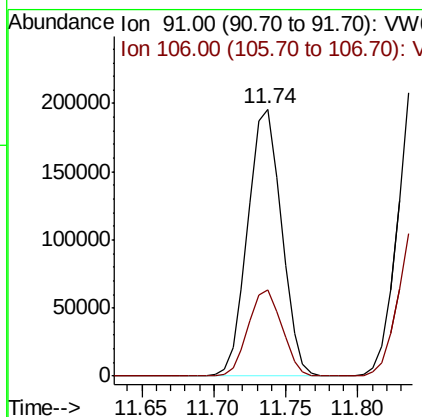
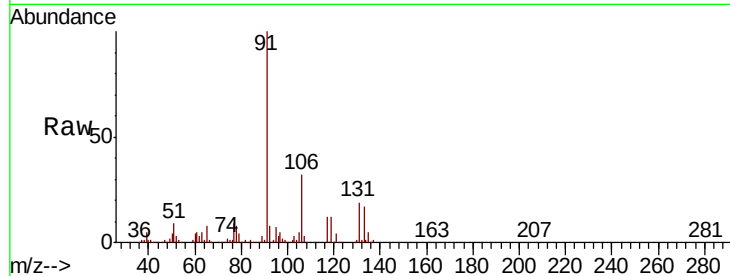
#67
Ethyl Benzene
Concen: 21.830 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion: 91 Resp: 318864
Ion Ratio Lower Upper
91 100
106 32.5 26.1 39.1

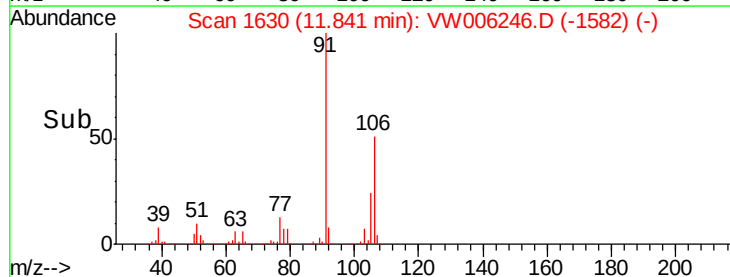
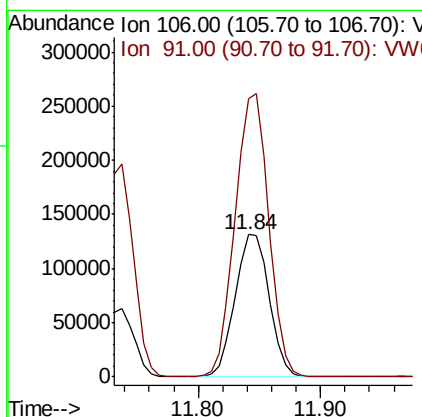
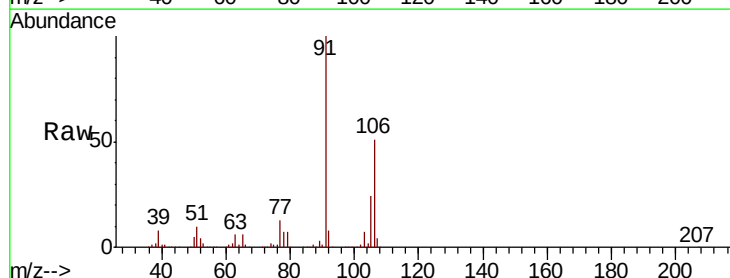
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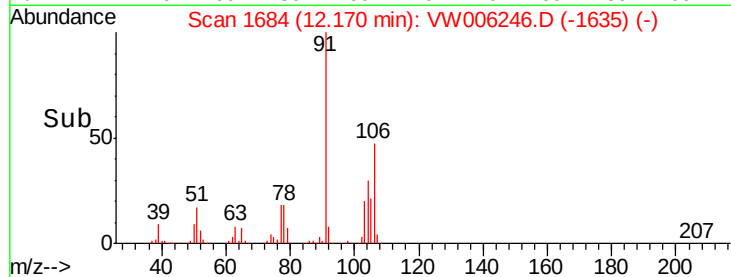
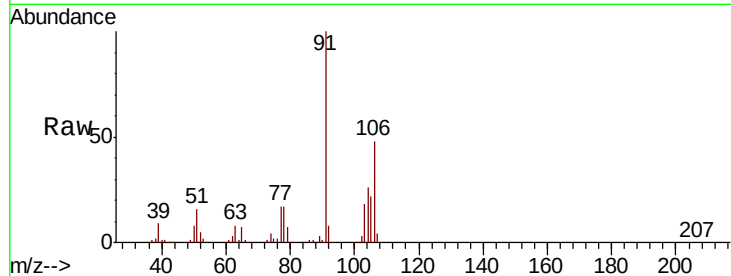
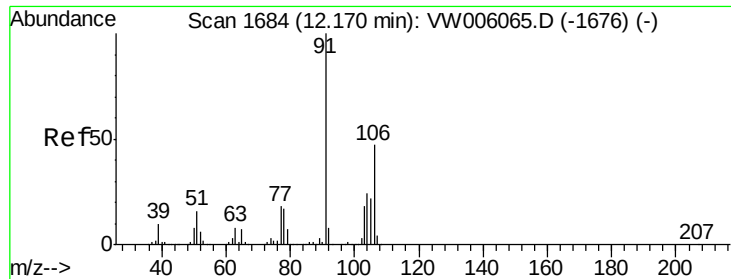
sam
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#68
m/p-Xylenes
Concen: 43.871 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion: 106 Resp: 253276
Ion Ratio Lower Upper
106 100
91 196.8 159.1 238.7





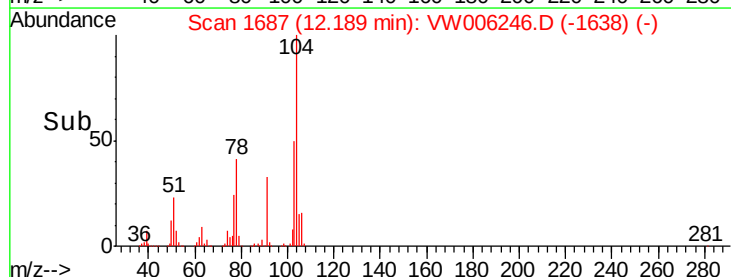
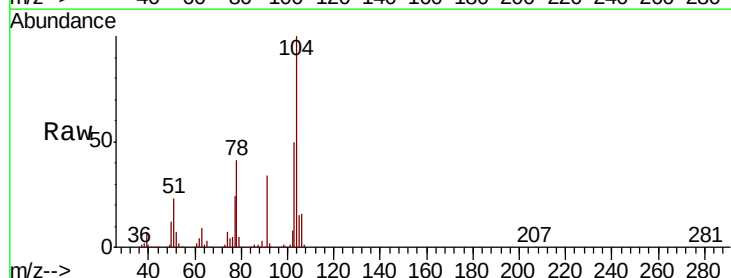
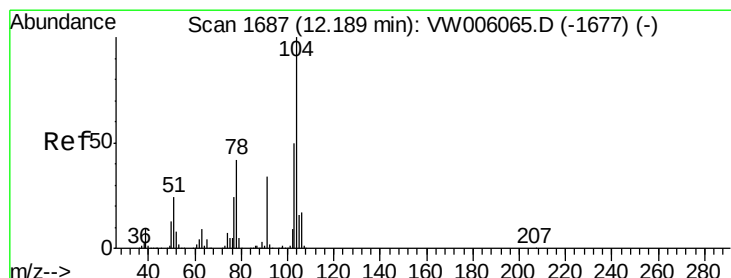
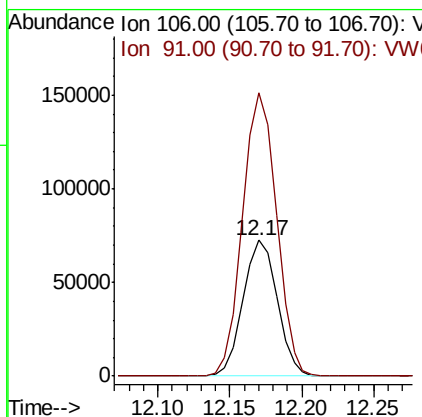
#69
o-Xylene
Concen: 21.615 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		118925		
91	208.6	105.4	316.1		

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

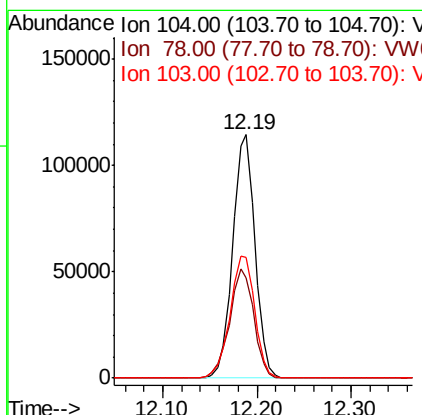
Manual Integrations
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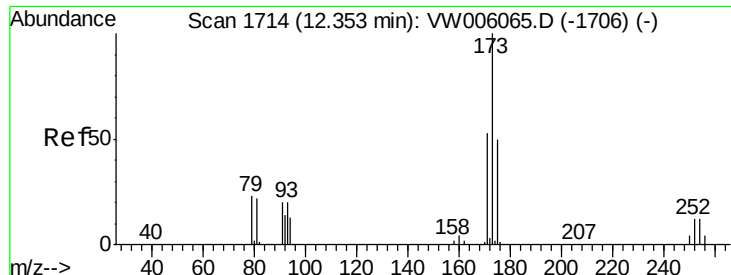
sam
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#70
Styrene
Concen: 20.947 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		187415		
78	48.9	39.1	58.7		
103	55.5	44.3	66.5		





#71

Bromoform

Concen: 17.951 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion:173 Resp: 29989

Ion Ratio Lower Upper

173 100

175 48.5 24.2 72.6

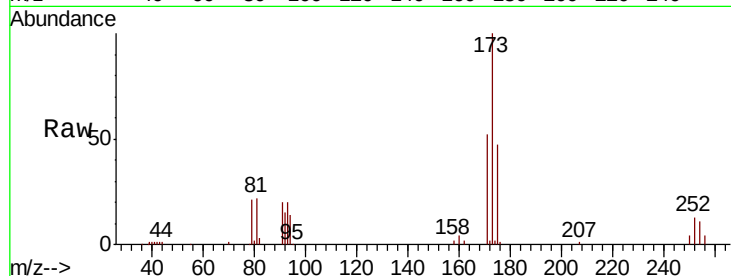
254 0.0 0.1 0.1#

Manual Integrations

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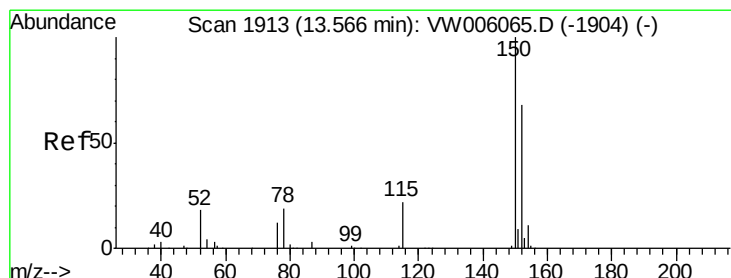
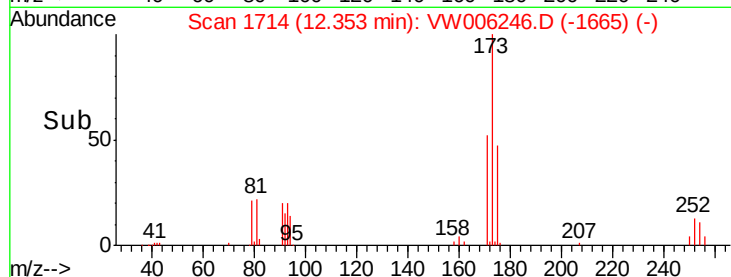
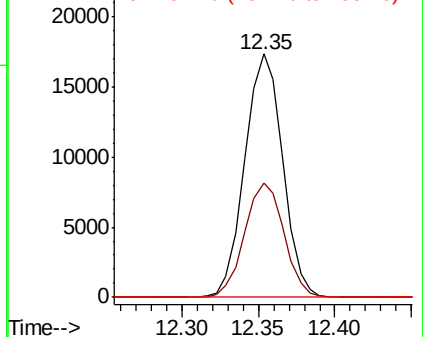
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

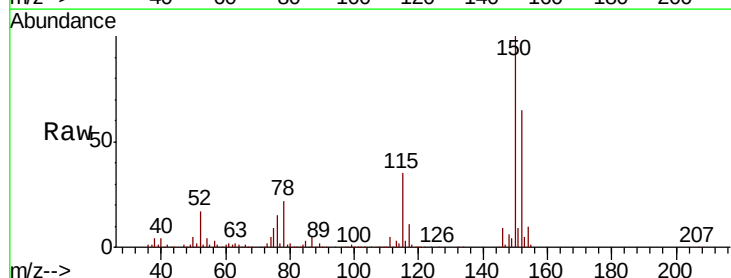
Tgt Ion:152 Resp: 217461

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.3

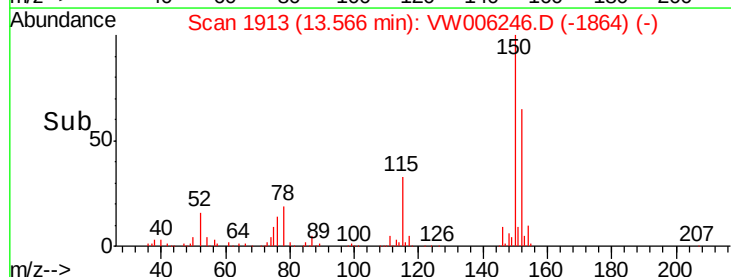
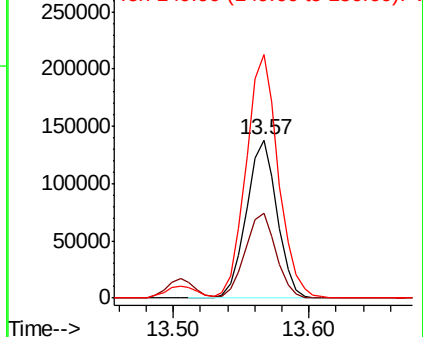
150 162.2 0.0 349.2

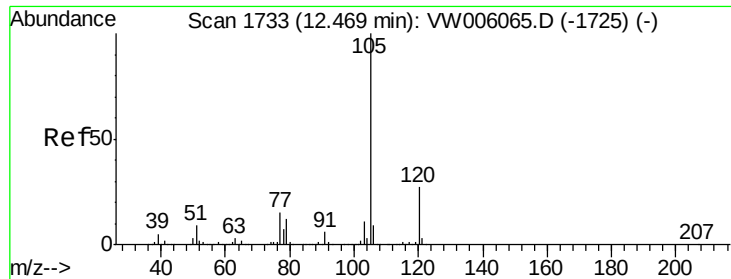


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





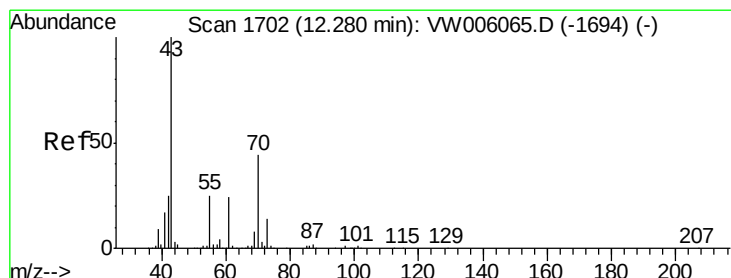
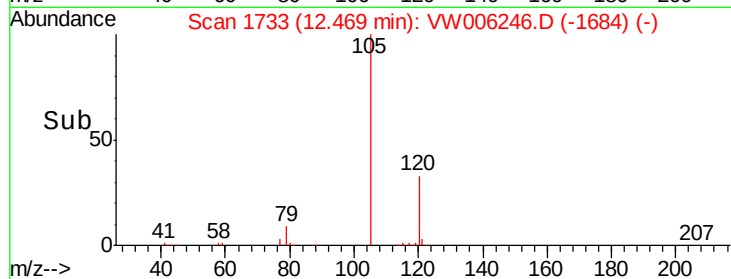
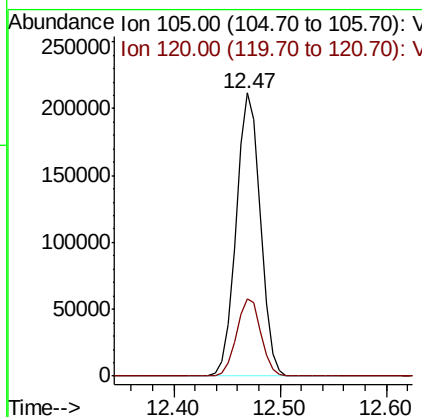
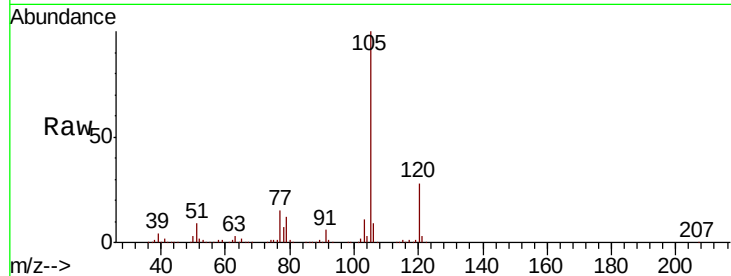
#73
Isopropylbenzene
Concen: 21.940 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	337071		
120	27.6	13.6	40.7	

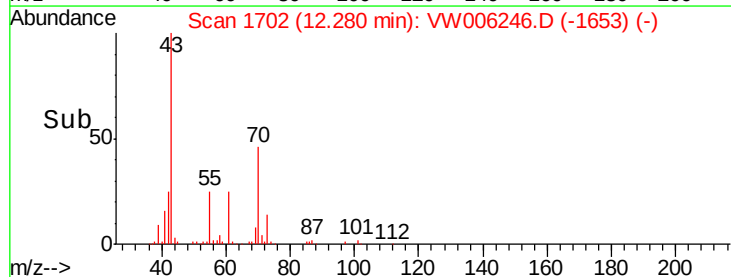
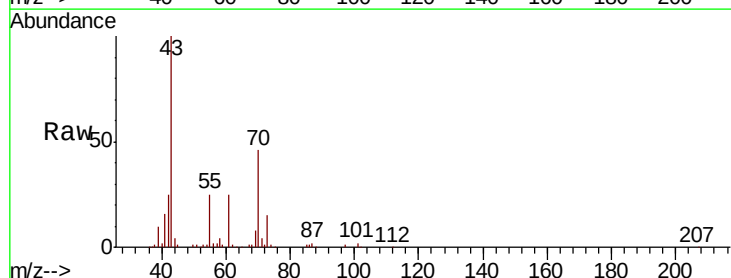
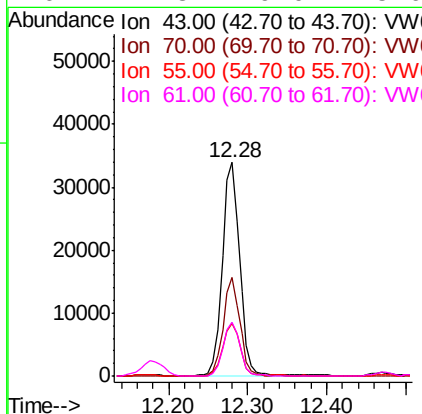
Manual Integrations
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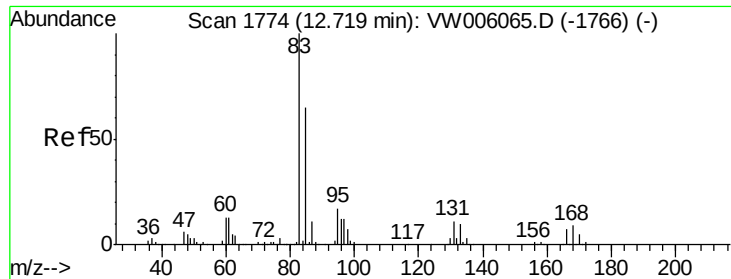
sam
10/24/2018 5:33:03 PM



#74
N-ethyl acetate
Concen: 17.503 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	52226		
70	43.6	34.2	51.4	
55	24.7	19.2	28.8	
61	24.3	19.0	28.6	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.319 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

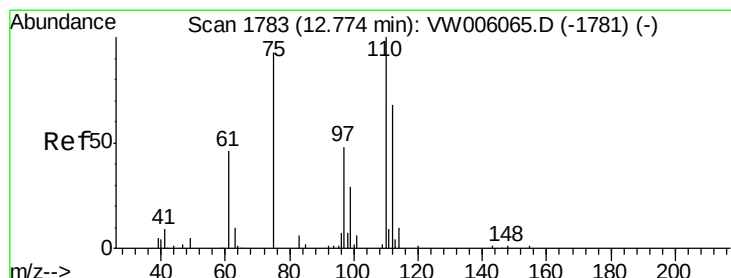
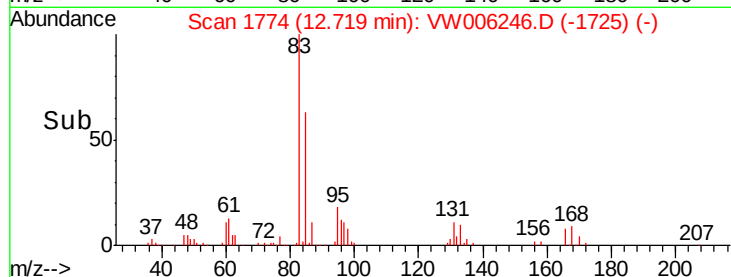
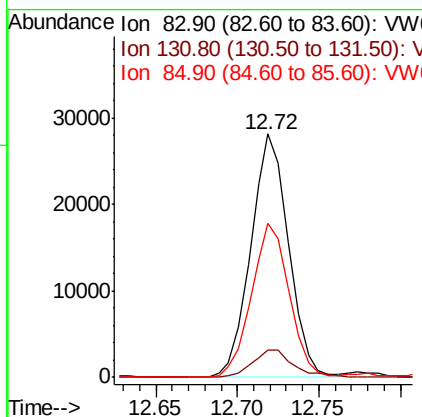
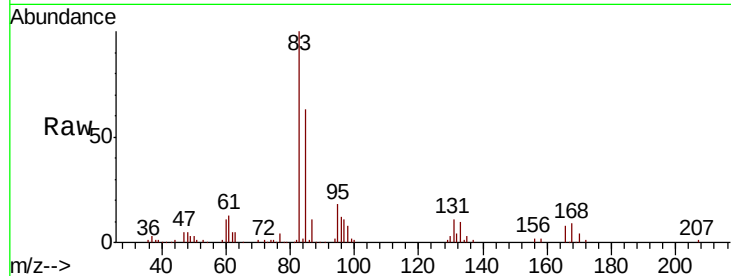
ClientSampleId :

VW1022SBS01

Tot Ion:	83	Resp:	45142
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.9	17.7
85	63.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.705 ug/l m

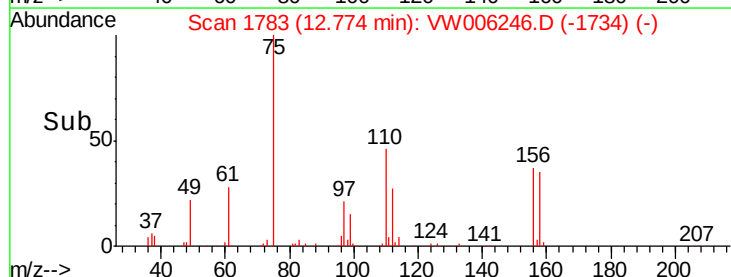
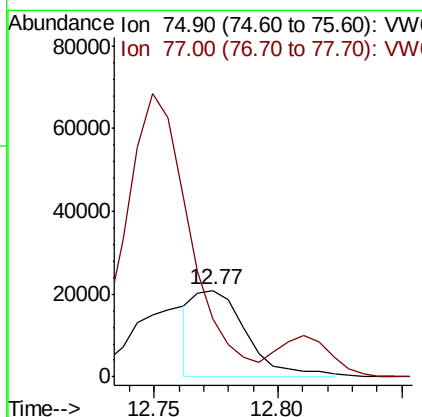
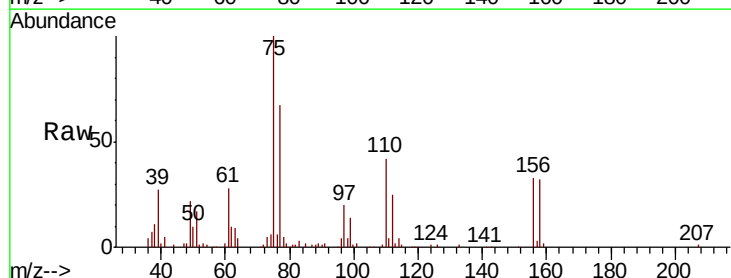
RT: 12.77 min Scan# 1783

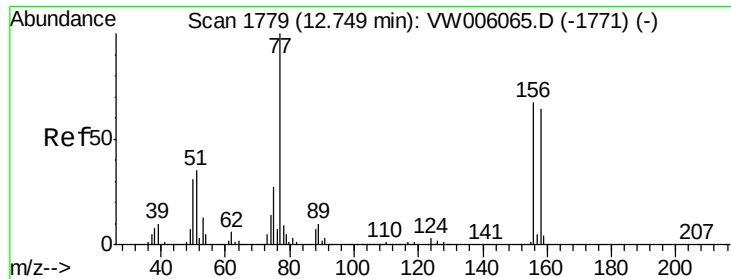
Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Tgt Ion:	75	Resp:	31068
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





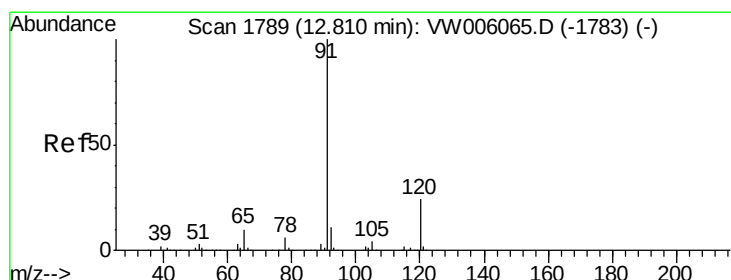
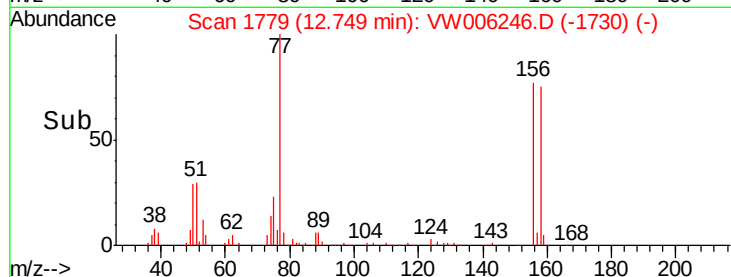
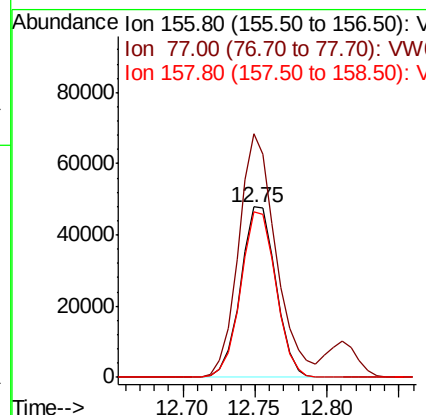
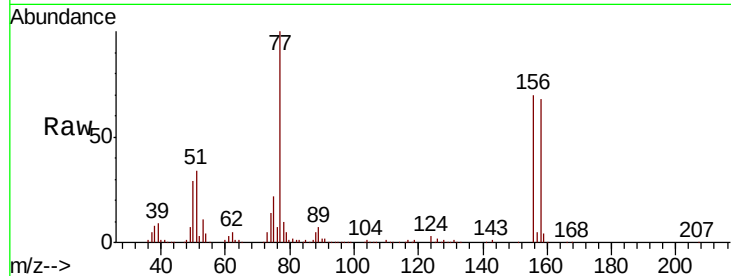
#77
Bromobenzene
Concen: 21.530 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.8	79.1	237.4
158	96.9	48.5	145.6

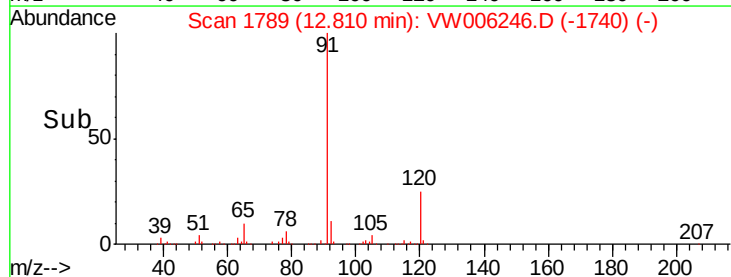
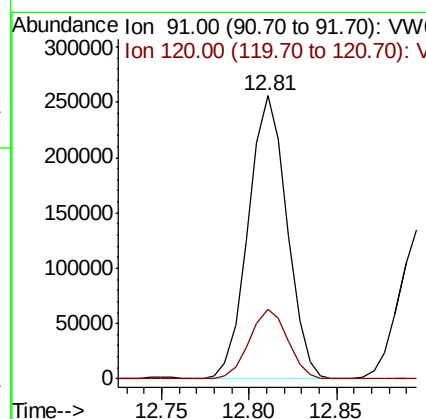
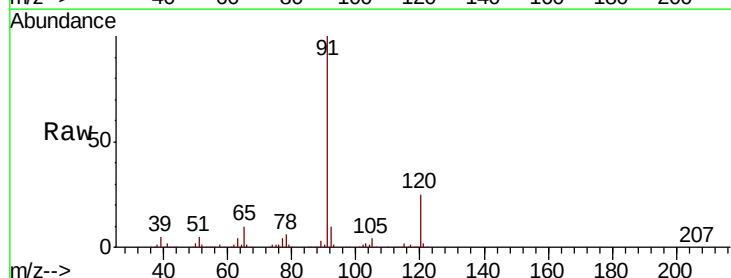
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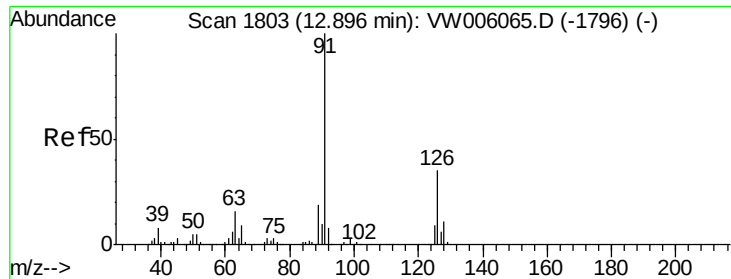
sam
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#78
n-propylbenzene
Concen: 21.982 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.2	36.6





#79

2-Chlorotoluene

Concen: 21.764 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion: 91 Resp: 218568

Ion Ratio Lower Upper

91 100

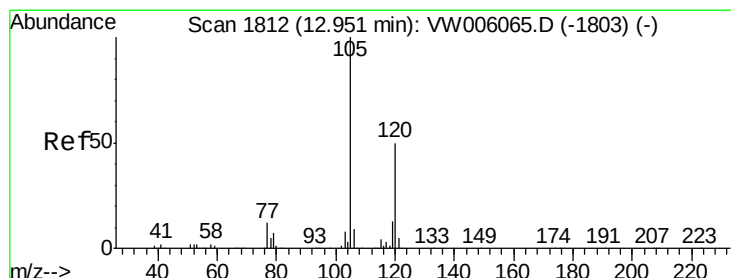
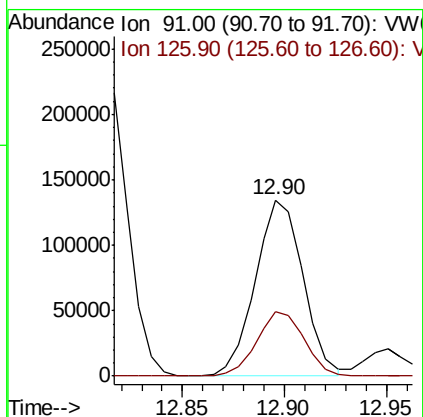
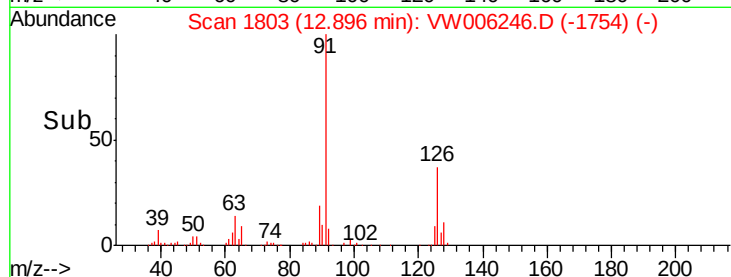
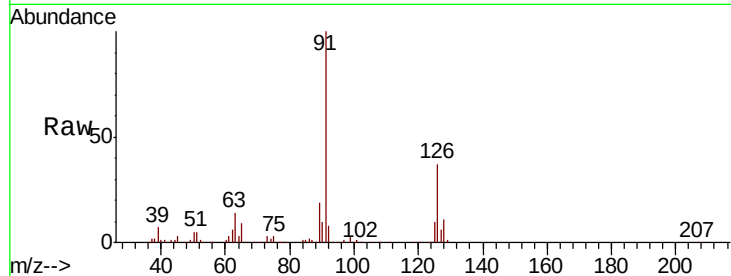
126 36.8 17.9 53.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.907 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006246.D

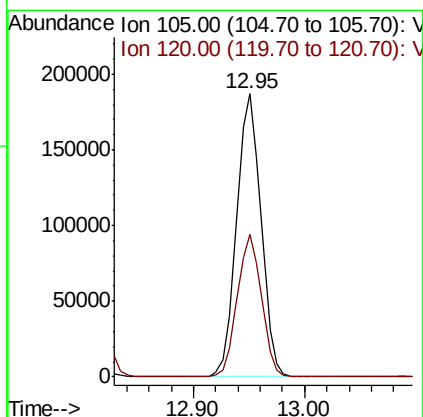
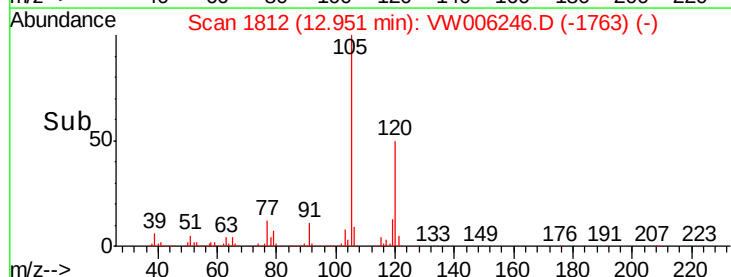
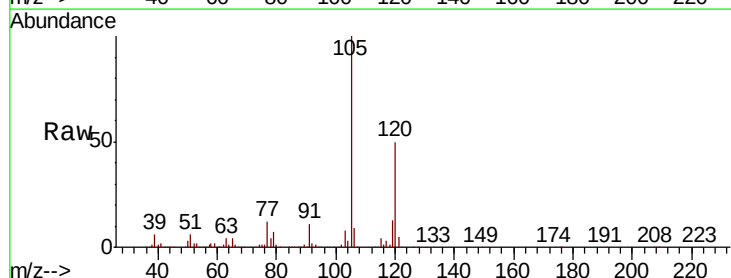
Acq: 22 Oct 2018 13:00

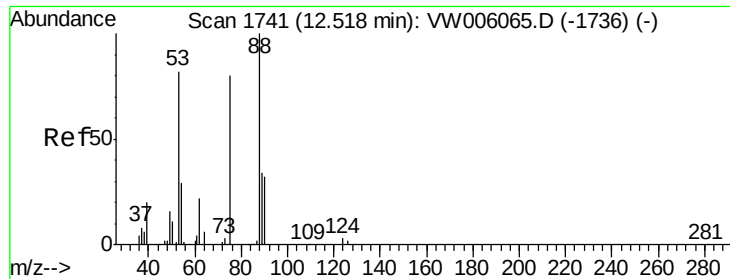
Tgt Ion:105 Resp: 283729

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.152 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

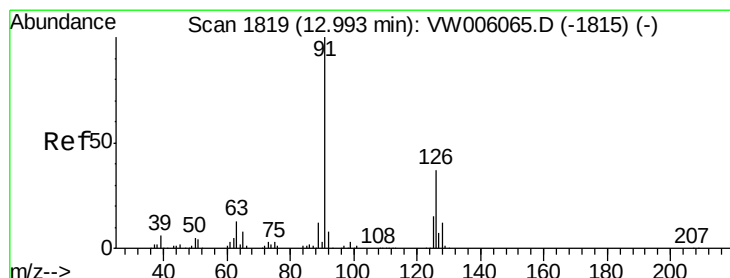
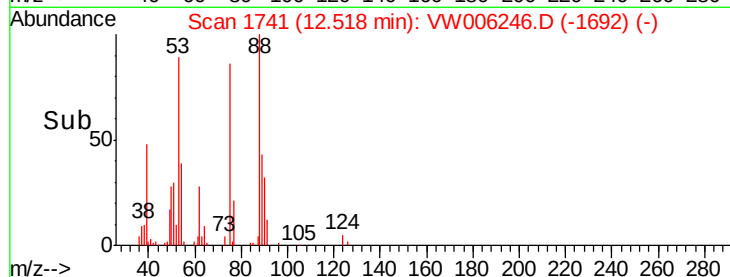
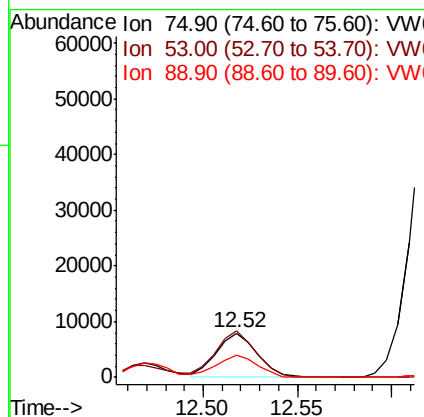
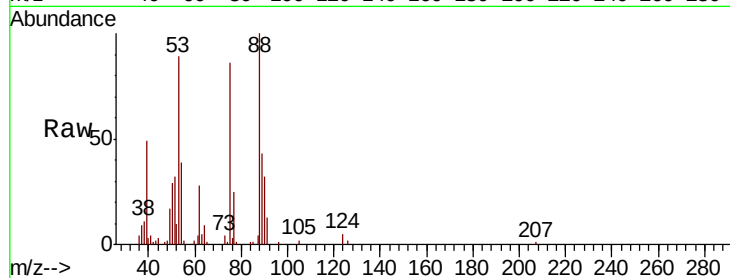
ClientSampleId :

VW1022SBS01

Tot Ion:	75	Resp:	11918
Ion	Ratio	Lower	Upper
75	100		
53	105.1	79.8	119.6
89	50.0	37.5	56.3

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#82

4-Chlorotoluene

Concen: 21.896 ug/l

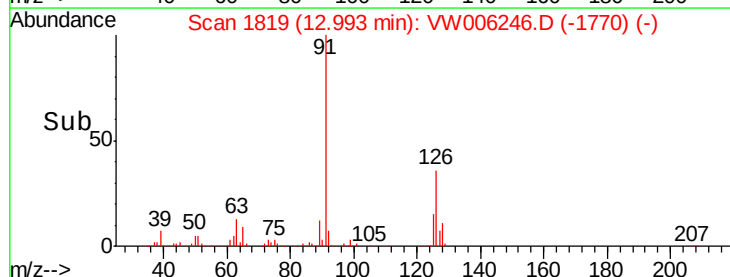
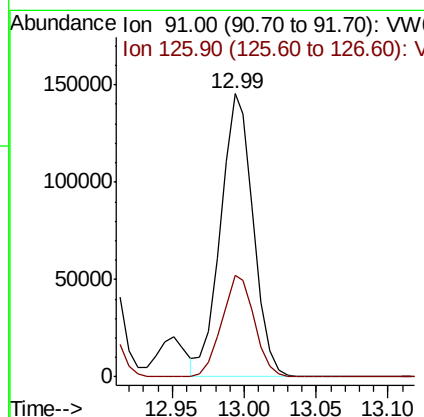
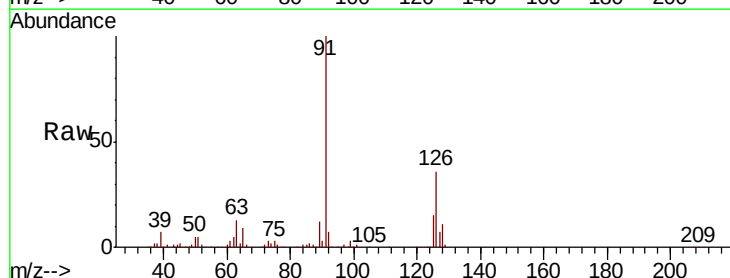
RT: 12.99 min Scan# 1819

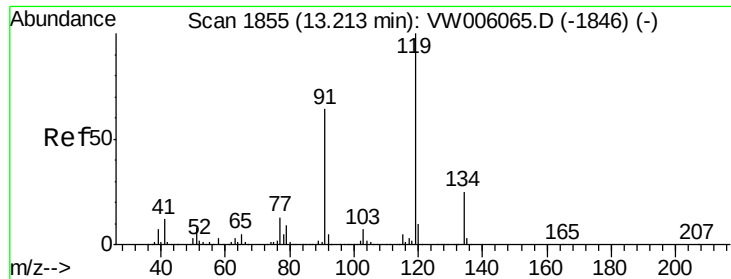
Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Tgt Ion:	91	Resp:	230336
Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.1	54.3





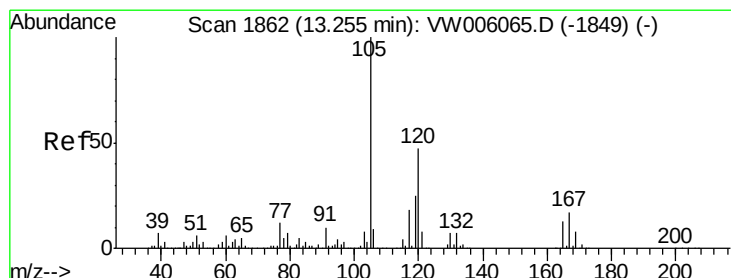
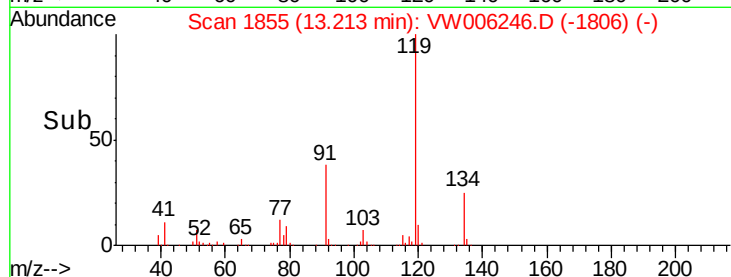
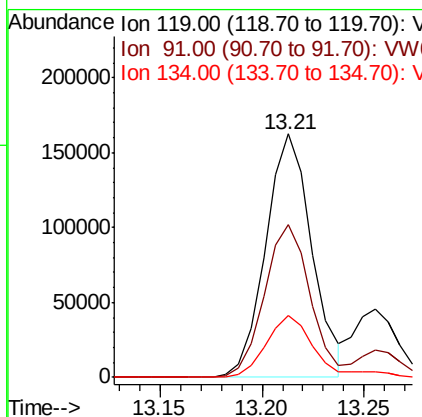
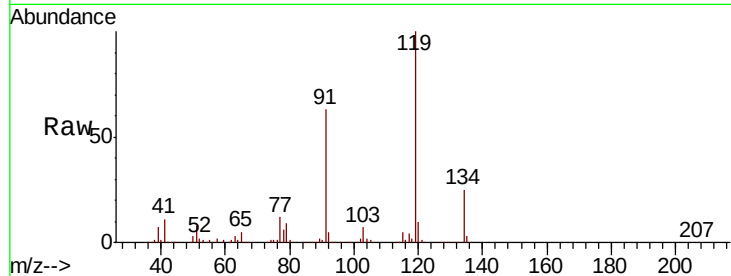
#83
tert-Butylbenzene
Concen: 22.087 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	255931		
91	62.0		32.3	96.9
134	27.2		13.6	40.8

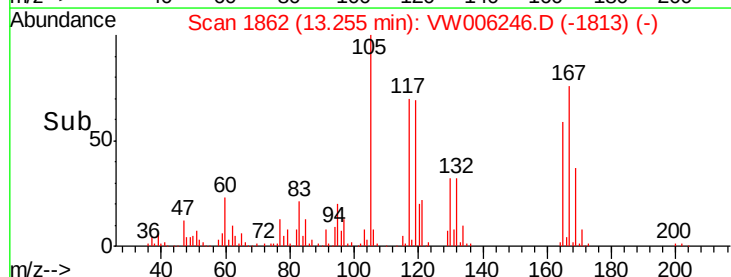
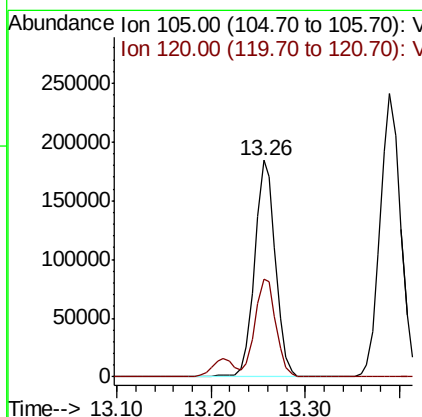
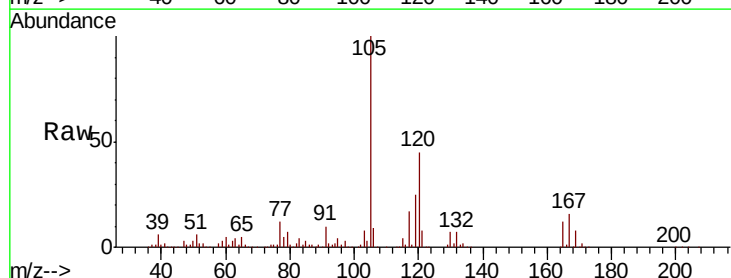
Manual Integrations
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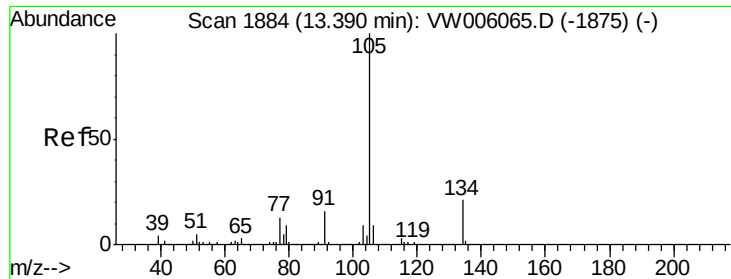
sam
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#84
1,2,4-Trimethylbenzene
Concen: 21.846 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	286310		
120	45.7		23.1	69.3





#85

sec-Butylbenzene

Concen: 22.175 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

Tot Ion:105 Resp: 363005

Ion Ratio Lower Upper

105 100

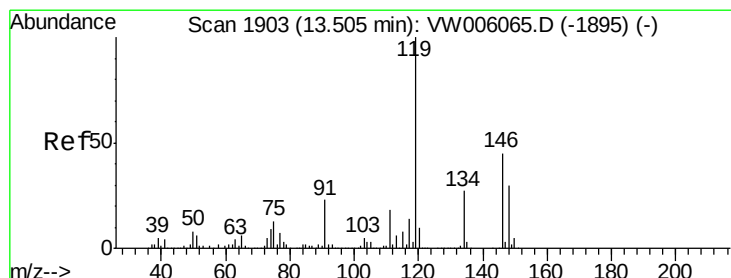
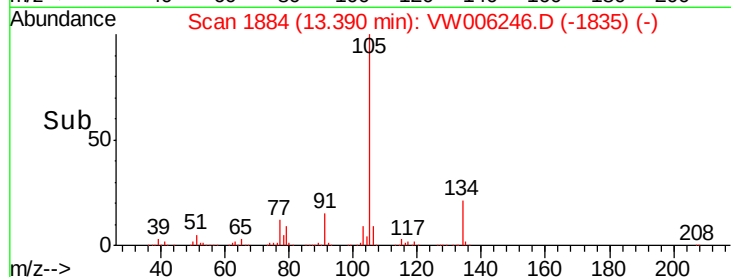
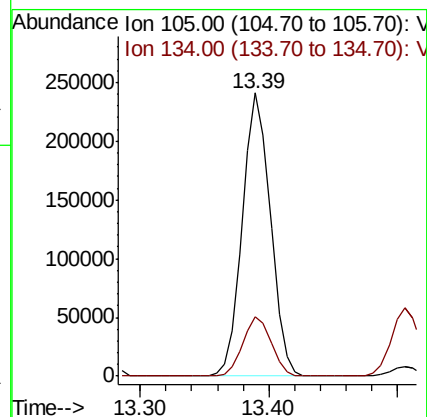
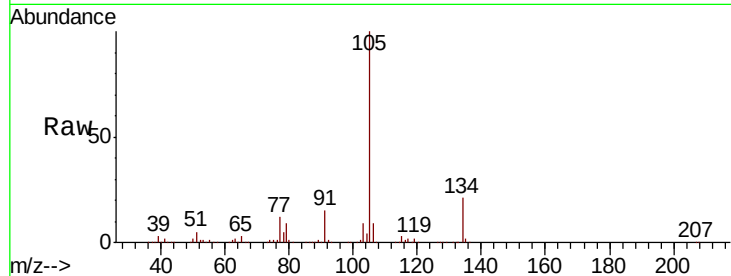
134 21.1 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 22.048 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

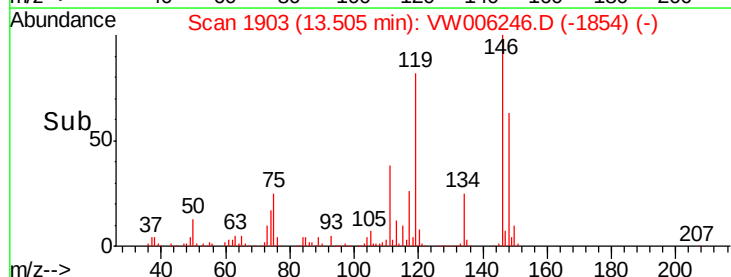
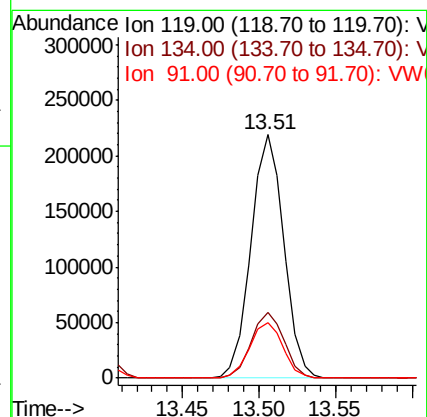
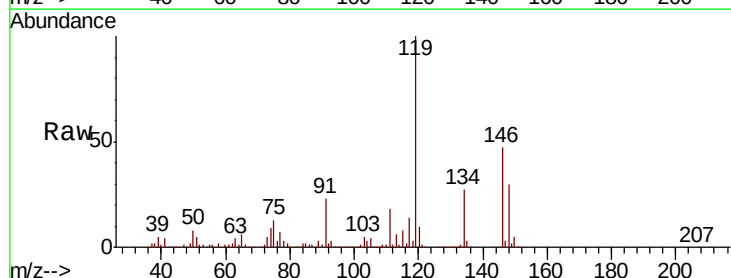
Tgt Ion:119 Resp: 326455

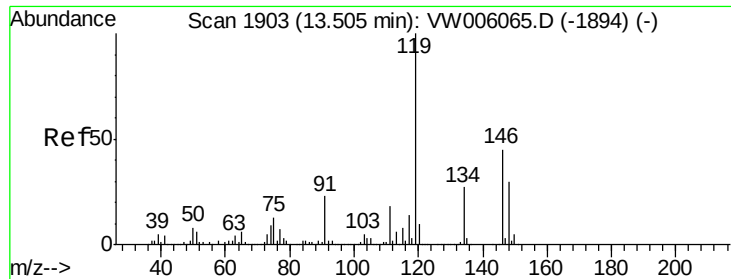
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 23.0 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 21.769 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

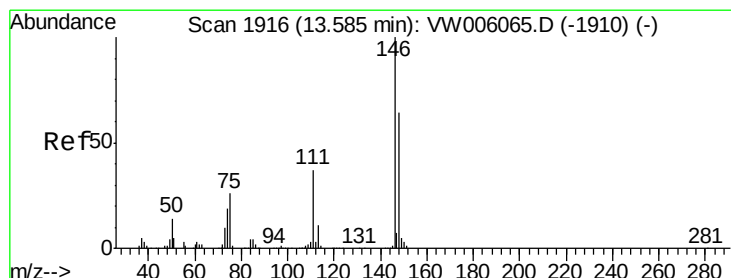
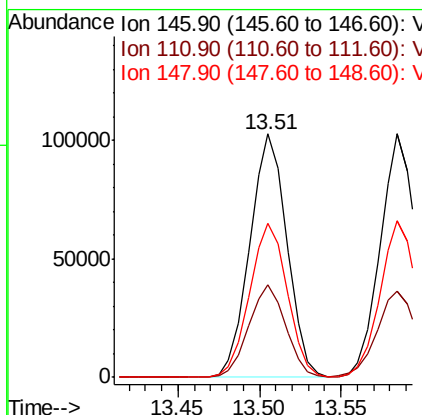
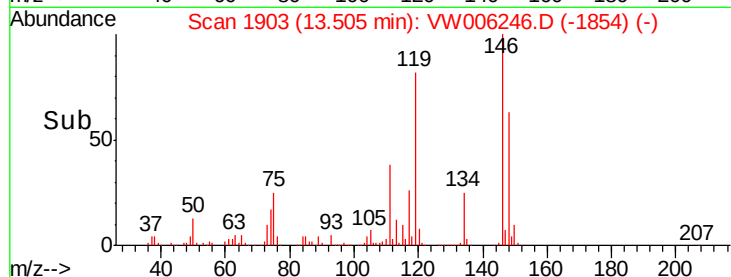
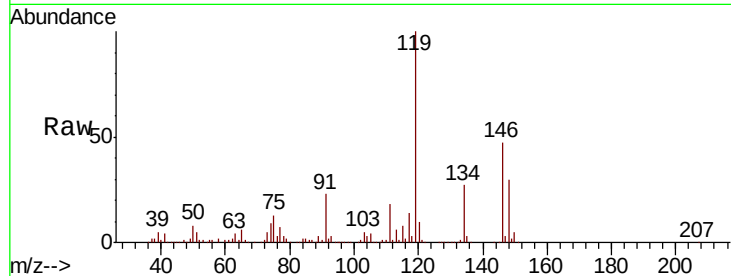
Instrument :
MSVOA_W

ClientSampled :
VW1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	163021		
111	37.7	19.1	57.5	
148	64.1	32.0	96.2	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.512 ug/l

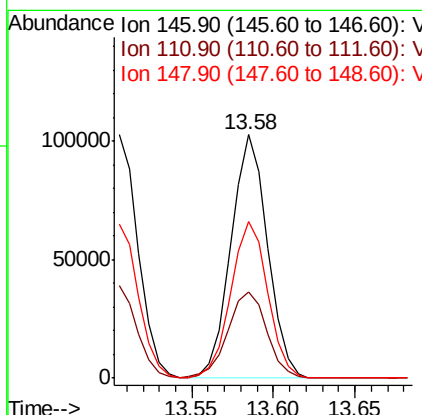
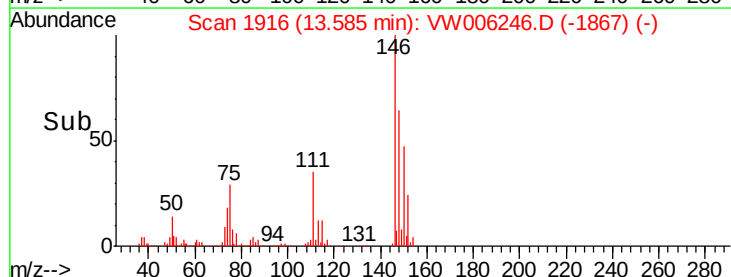
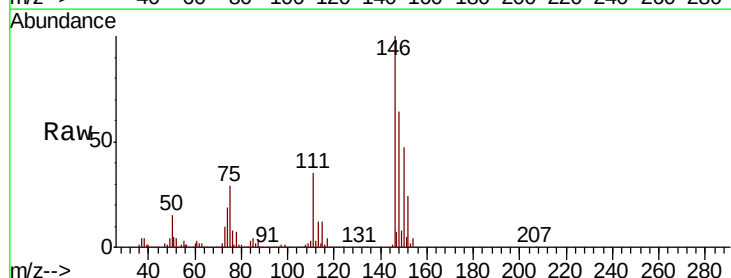
RT: 13.58 min Scan# 1916

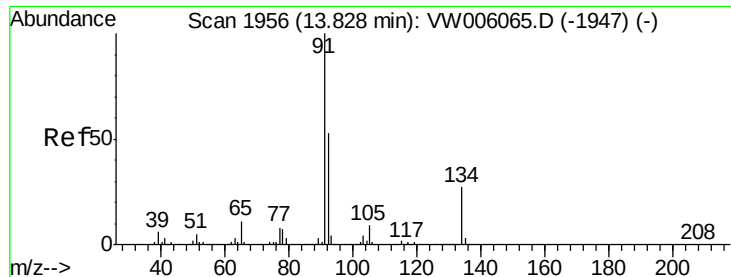
Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	160397		
111	37.8	18.6	56.0	
148	64.7	32.1	96.5	





#89

n-Butylbenzene

Concen: 22.170 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

Instrument :

MSVOA_W

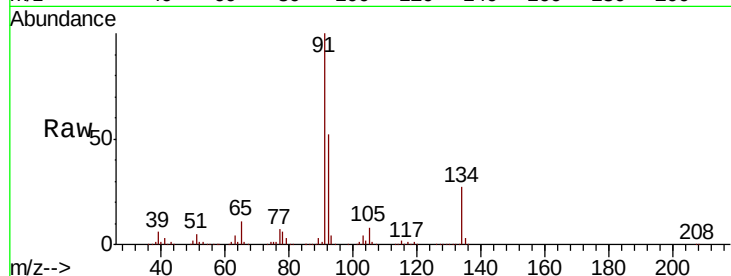
ClientSampleId :

VW1022SBS01

Tot Ion:	91	Resp:	300212
Ion Ratio	Lower	Upper	
91	100		
92	52.4	26.6	79.7
134	28.6	14.0	41.9

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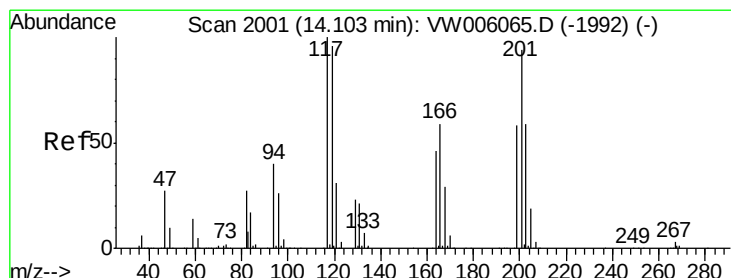
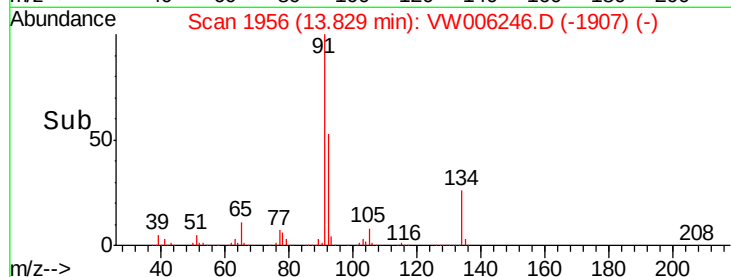
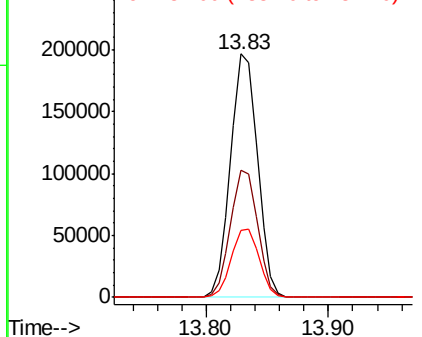


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.068 ug/l

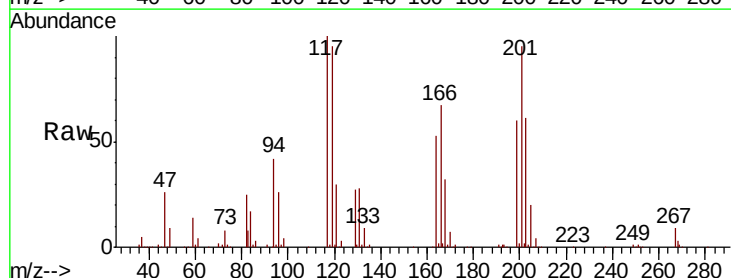
RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW006246.D

Acq: 22 Oct 2018 13:00

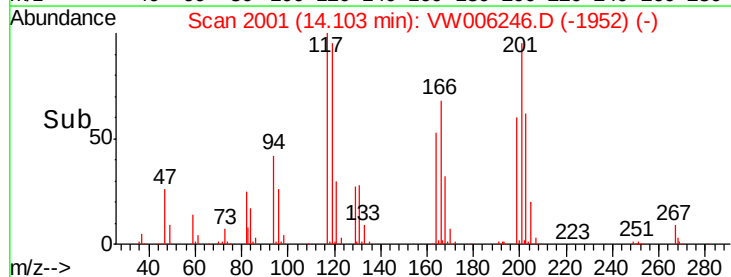
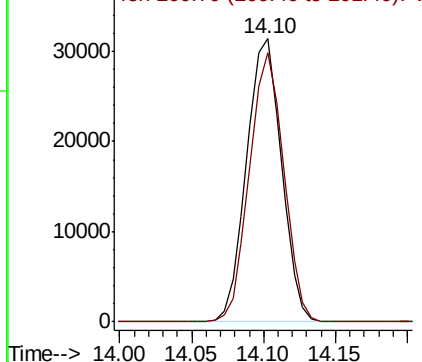
Tgt Ion:	117	Resp:	52839
Ion Ratio	Lower	Upper	
117	100		
201	93.1	45.3	135.9

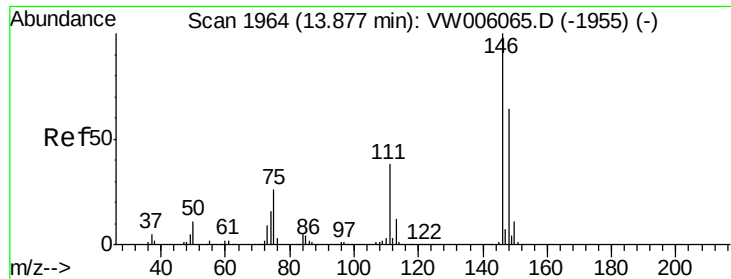


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





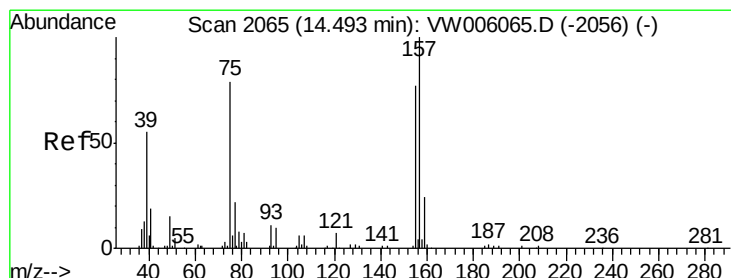
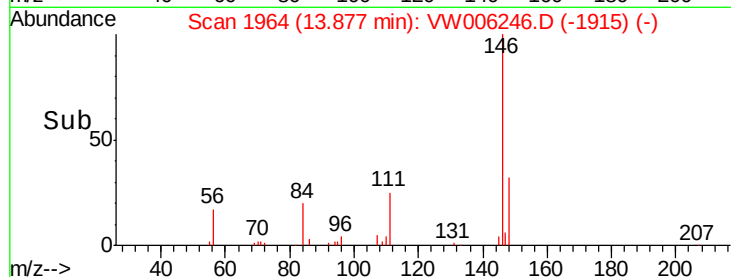
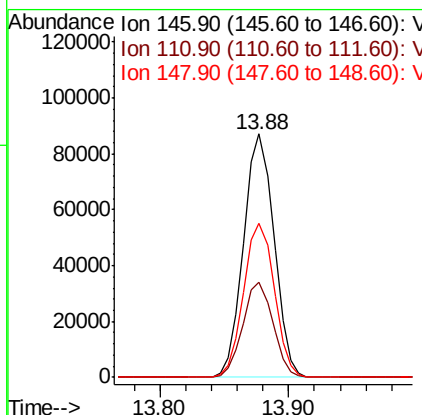
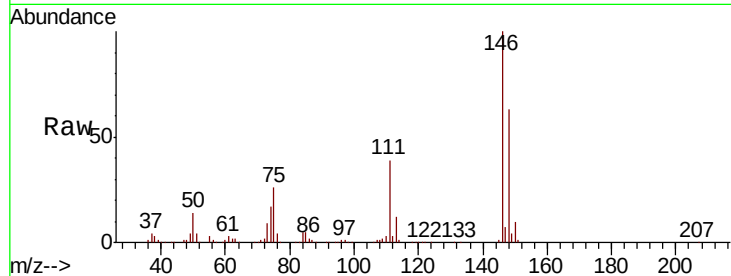
#91
 1,2-Dichlorobenzene
 Concen: 21.347 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	63.8	32.2	96.6

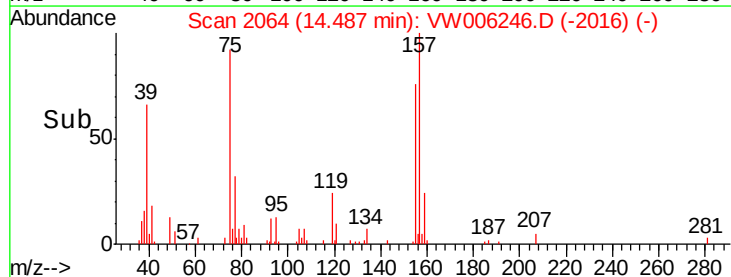
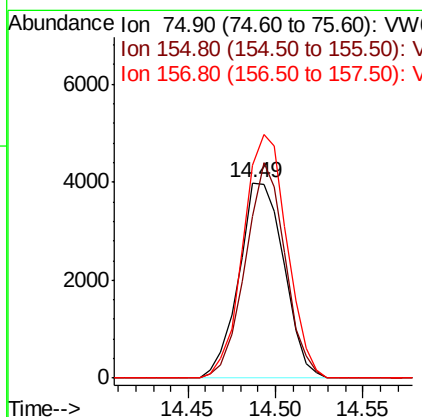
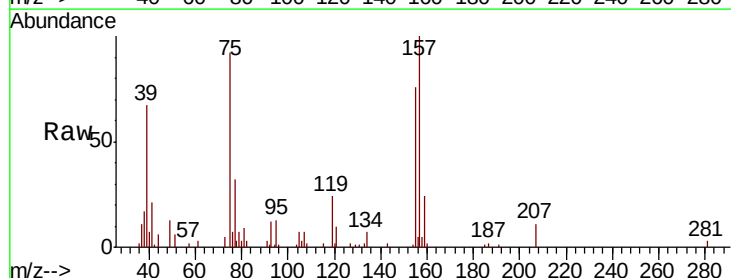
Manual Integrations
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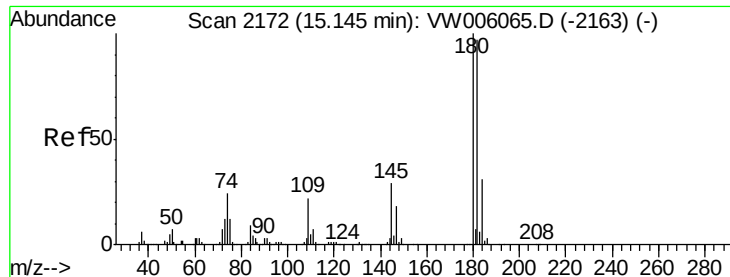
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.057 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	46.5	139.5
157	121.0	59.8	179.4





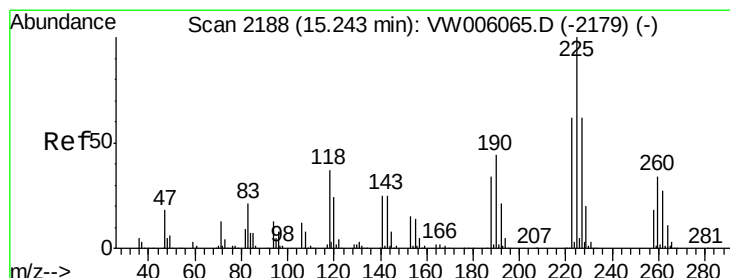
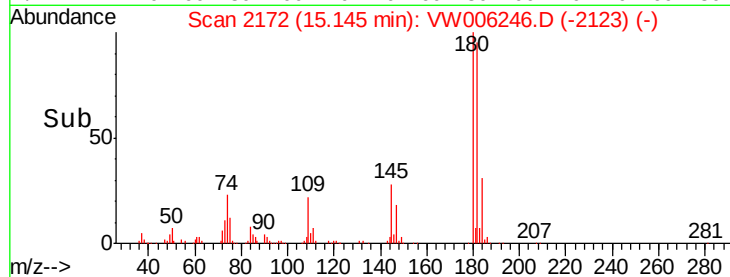
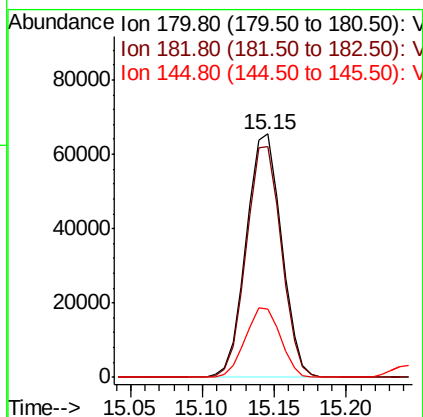
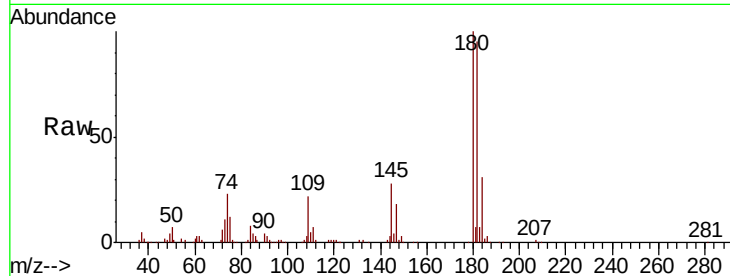
#93
 1,2,4-Trichlorobenzene
 Concen: 21.625 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111149		
182	94.1	47.9	143.6	
145	28.4	14.2	42.8	

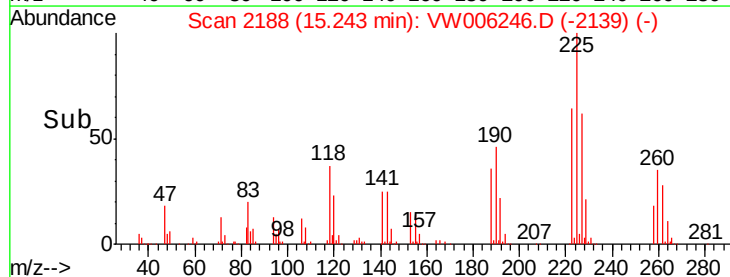
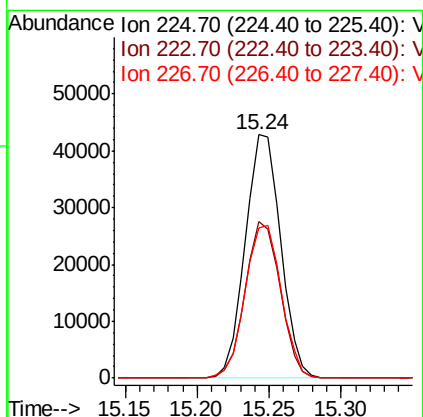
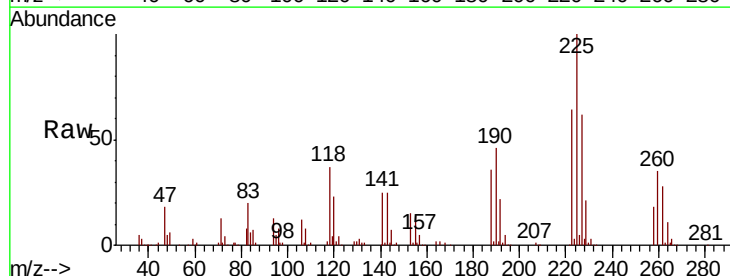
Manual Integrations
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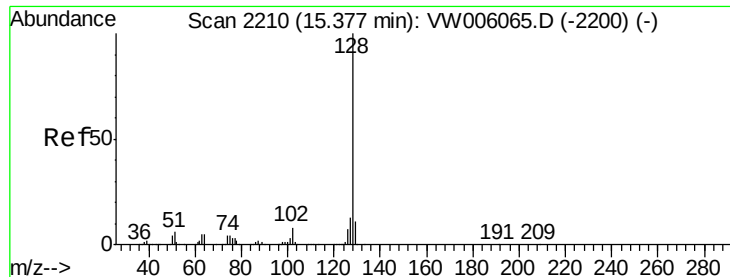
sam
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#94
 Hexachlorobutadiene
 Concen: 22.602 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006246.D
 Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72976		
223	63.6	31.1	93.5	
227	63.9	32.4	97.0	





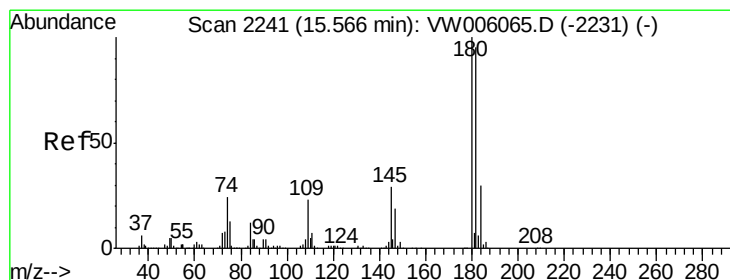
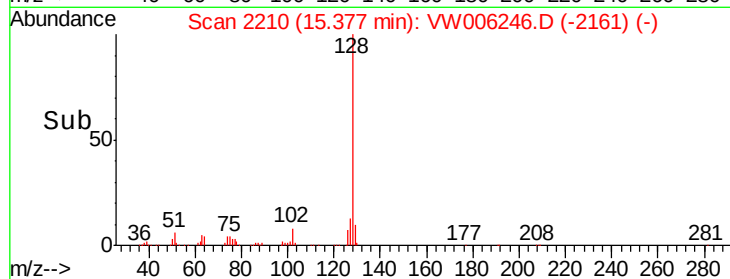
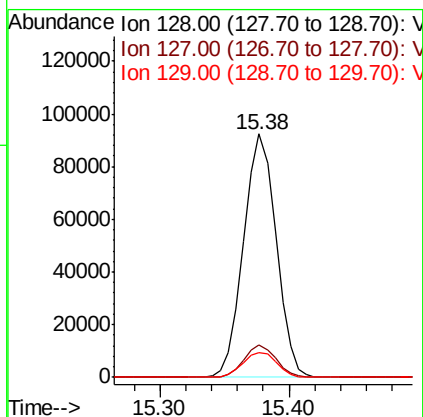
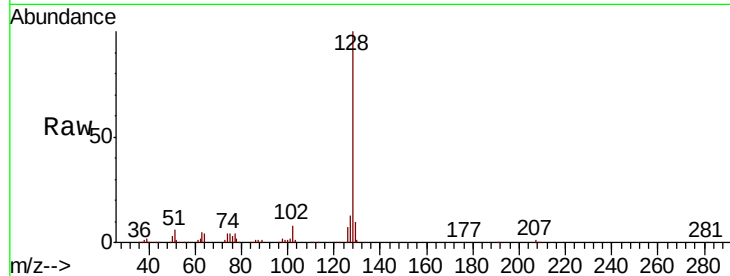
#95
Naphthalene
Concen: 18.929 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	161850		
127	13.0		10.3	15.5
129	10.9		8.7	13.1

Manual Integrations
APPROVED

sam
10/24/2018 5:33:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.986 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006246.D
Acq: 22 Oct 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	93297		
182	94.3		47.8	143.3
145	29.7		15.0	45.1

