

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006278.D
 Acq On : 23 Oct 2018 04:55
 Operator : VA/AP
 Sample : J5626-02MS
 Misc : 3.89G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

Manual Integrations
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sam
 10/24/2018 5:33:35 PM

Quant Time: Oct 23 07:02:59 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	139936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	214326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	129508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	33779	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	78005	67.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.48%	
35) Dibromofluoromethane	7.88	113	75002	59.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.44%	
50) Toluene-d8	10.33	98	197971	41.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.18%	
62) 4-Bromofluorobenzene	12.62	95	45042	24.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	45128	65.168	ug/l	99
3) Chloromethane	2.22	50	65092	73.023	ug/l	96
4) Vinyl Chloride	2.37	62	95059	74.674	ug/l	99
5) Bromomethane	2.79	94	82346	71.121	ug/l	99
6) Chloroethane	2.93	64	70145	76.891	ug/l	99
7) Trichlorofluoromethane	3.26	101	64415	54.319	ug/l	99
8) Diethyl Ether	3.68	74	48628	77.157	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	61598	49.565	ug/l	98
10) Methyl Iodide	4.27	142	149038	72.052	ug/l	100
11) Tert butyl alcohol	5.24	59	27012	346.197	ug/l #	83
12) 1,1-Dichloroethene	4.03	96	75265	64.372	ug/l	94
13) Acrolein	3.90	56	13778	182.491	ug/l	99
14) Allyl chloride	4.67	41	114451	68.460	ug/l	98
15) Acrylonitrile	5.38	53	91091	402.963	ug/l	99
16) Acetone	4.15	43	93653	441.638	ug/l	99
17) Carbon Disulfide	4.38	76	187018	52.999	ug/l	100
18) Methyl Acetate	4.68	43	129614	222.004	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	146847	82.460	ug/l	98
20) Methylene Chloride	4.92	84	101765	84.007	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	86974	66.643	ug/l	99
22) Diisopropyl ether	6.32	45	255007	77.188	ug/l	96
23) Vinyl Acetate	6.26	43	169439	86.906	ug/l	98
24) 1,1-Dichloroethane	6.22	63	151239	70.946	ug/l	99
25) 2-Butanone	7.18	43	124491	397.212	ug/l	98
26) 2,2-Dichloropropane	7.17	77	78400	52.145	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	97498	67.698	ug/l	98
28) Bromochloromethane	7.51	49	63388	77.022	ug/l	96
29) Tetrahydrofuran	7.54	42	76075	394.893	ug/l	99
30) Chloroform	7.68	83	155182	66.815	ug/l	96
31) Cyclohexane	7.96	56	66131	31.151	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	118497	56.560	ug/l	99
36) 1,1-Dichloropropene	8.09	75	91967	46.554	ug/l	100
37) Ethyl Acetate	7.26	43	35206	47.967	ug/l	99
38) Carbon Tetrachloride	8.07	117	96124	44.386	ug/l	98

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Quant Time: Oct 23 07:02:59 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	52396	19.953	ug/l	98
40) Benzene	8.33	78	317653	58.619	ug/l	98
41) Methacrylonitrile	7.49	41	28457	64.315	ug/l	88
42) 1,2-Dichloroethane	8.40	62	107690	67.641	ug/l	99
43) Isopropyl Acetate	8.43	43	67759	45.151	ug/l	93
44) Trichloroethene	9.10	130	78159	47.013	ug/l	99
45) 1,2-Dichloropropane	9.37	63	75793	58.450	ug/l	98
46) Dibromomethane	9.46	93	46587	63.036	ug/l	99
47) Bromodichloromethane	9.65	83	96238	53.710	ug/l	99
48) Methyl methacrylate	9.44	41	57162	80.357	ug/l	100
49) 1,4-Dioxane	9.48	88	17034	1497.153	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	256053	340.537	ug/l	99
52) Toluene	10.39	92	157956	43.479	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	87889	49.231	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	107669	52.550	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	58608	56.668	ug/l	98
56) Ethyl methacrylate	10.65	69	69712	54.982	ug/l	97
57) 1,3-Dichloropropane	10.94	76	96989	56.650	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	147977	305.439	ug/l	99
59) 2-Hexanone	10.98	43	174429	324.979	ug/l	99
60) Dibromochloromethane	11.13	129	59259	46.000	ug/l	99
61) 1,2-Dibromoethane	11.24	107	56035	54.224	ug/l	98
64) Tetrachloroethene	10.87	164	54715	54.422	ug/l	97
65) Chlorobenzene	11.66	112	147836	53.324	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	60210	61.111	ug/l	99
67) Ethyl Benzene	11.74	91	216740	45.111	ug/l	100
68) m/p-Xylenes	11.85	106	163441	86.065	ug/l	99
69) o-Xylene	12.17	106	80298	44.367	ug/l	98
70) Styrene	12.19	104	132274	44.944	ug/l	99
71) Bromoform	12.35	173	31635	57.566	ug/l #	99
73) Isopropylbenzene	12.47	105	169592	71.067	ug/l	100
74) N-amyl acetate	12.28	43	37545	81.003	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	50126	138.104	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36741m	142.404	ug/l	
77) Bromobenzene	12.75	156	51754	88.544	ug/l	92
78) n-propylbenzene	12.81	91	162386	58.489	ug/l	100
79) 2-Chlorotoluene	12.90	91	101496	65.065	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	114928	57.128	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13985	129.570	ug/l	93
82) 4-Chlorotoluene	12.99	91	104825	64.150	ug/l	99
83) tert-Butylbenzene	13.21	119	95842	53.248	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	111794	54.916	ug/l	99
85) sec-Butylbenzene	13.39	105	112649	44.301	ug/l	100
86) p-Isopropyltoluene	13.51	119	95667	41.594	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	60887	52.342	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	61029	52.692	ug/l	99
89) n-Butylbenzene	13.83	91	69125	32.863	ug/l	98
90) Hexachloroethane	14.10	117	14351	36.837	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	57057	54.988	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6522	100.363	ug/l	96

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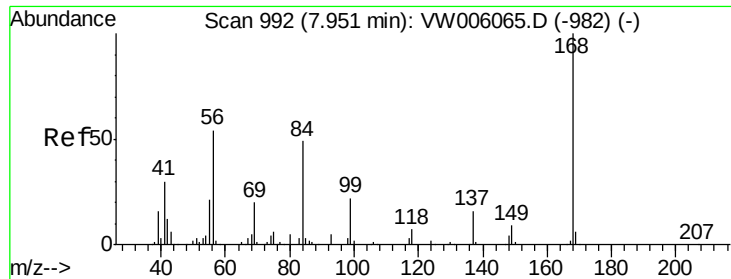
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	18058	22.618	ug/l	99
94) Hexachlorobutadiene	15.24	225	9675	19.291	ug/l	98
95) Naphthalene	15.38	128	57248	43.104	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	15619	22.618	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: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion:168 Resp: 139936

Ion Ratio Lower Upper

168 100

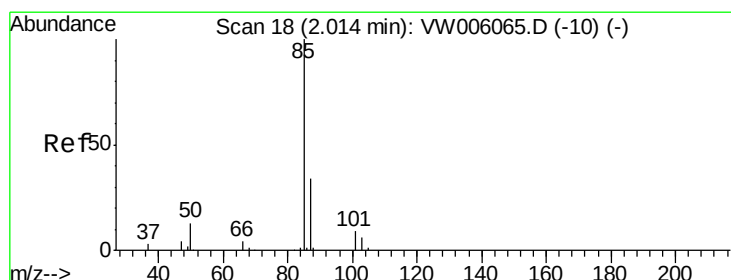
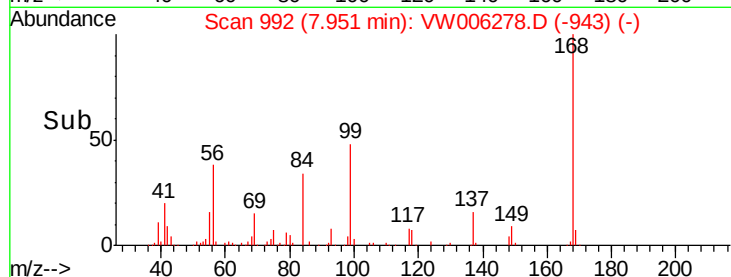
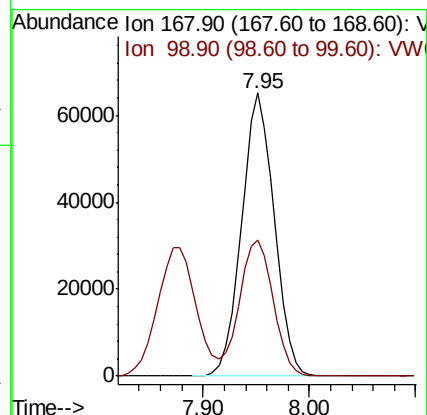
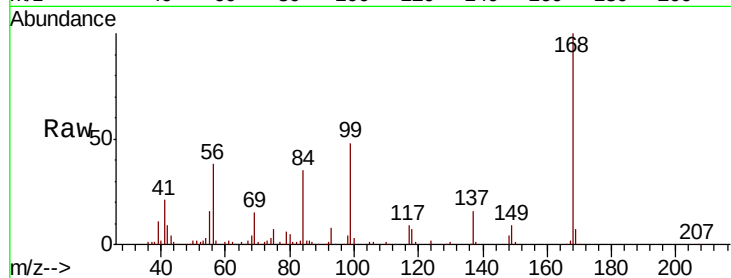
99 47.9 39.9 59.9

Manual Integrations

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10/24/2018 5:33:35 PM



#2

Dichlorodifluoromethane

Concen: 65.168 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006278.D

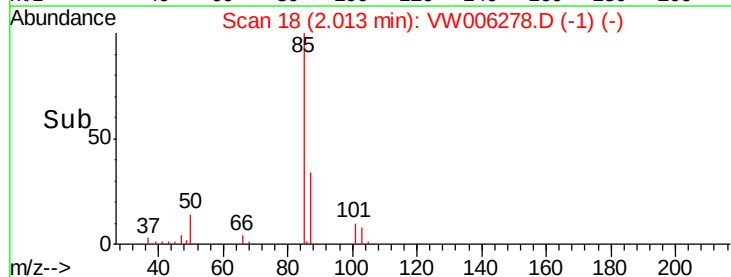
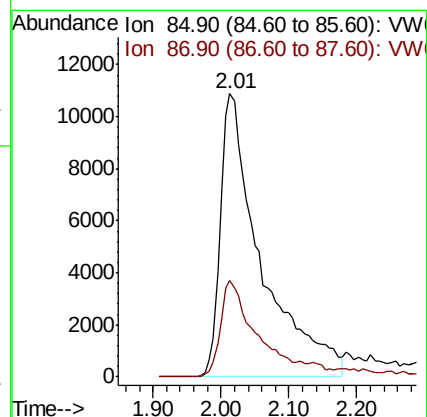
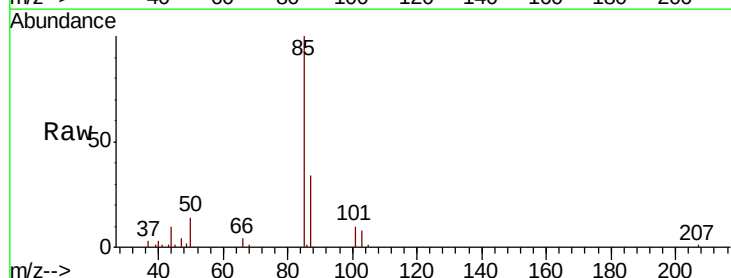
Acq: 23 Oct 2018 04:55

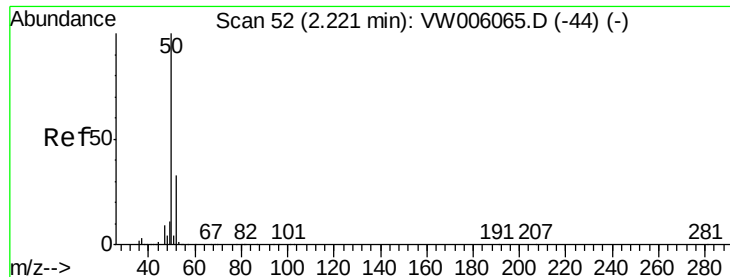
Tgt Ion: 85 Resp: 45128

Ion Ratio Lower Upper

85 100

87 34.0 16.9 50.6





#3

Chloromethane

Concen: 73.023 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion: 50 Resp: 65092

Ion Ratio Lower Upper

50 100

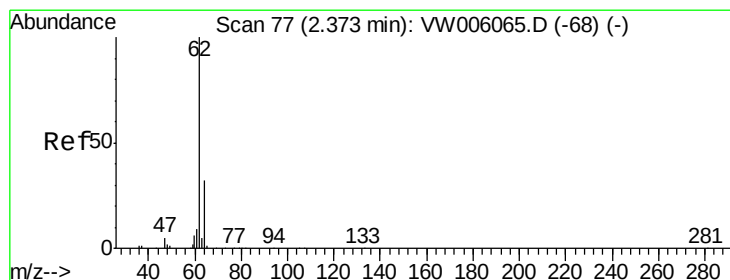
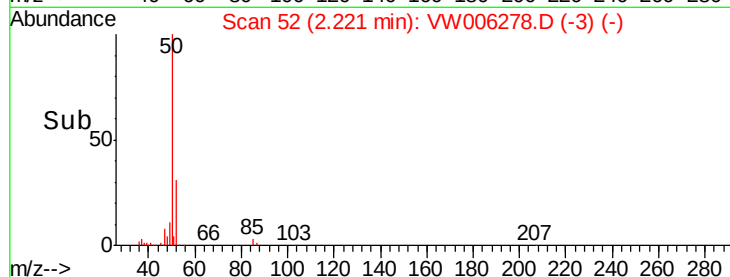
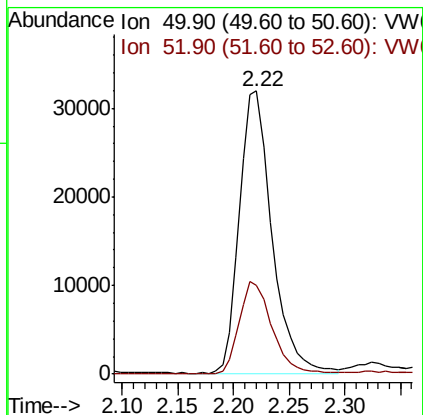
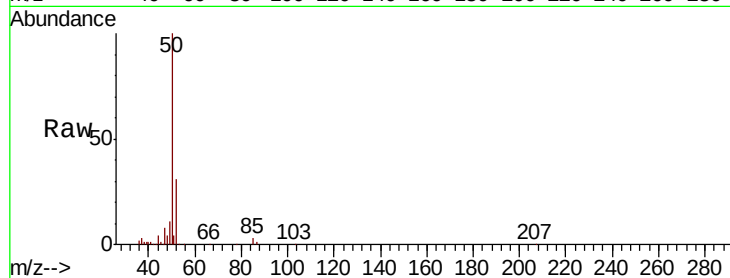
52 31.5 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 74.674 ug/l

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW006278.D

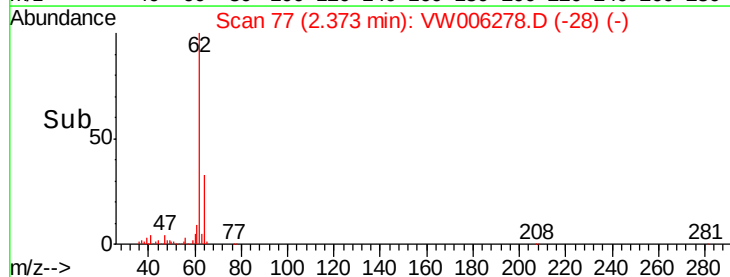
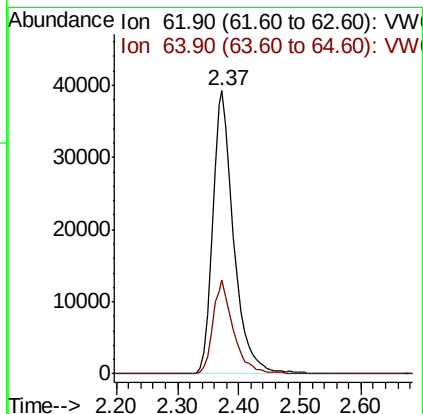
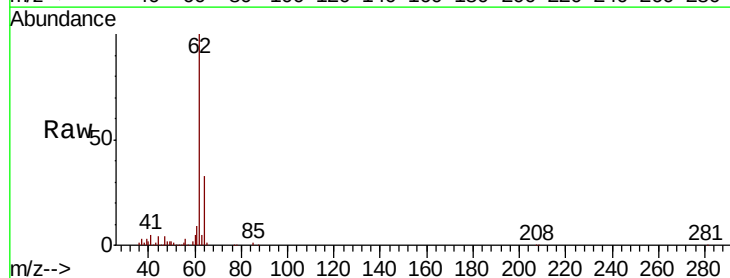
Acq: 23 Oct 2018 04:55

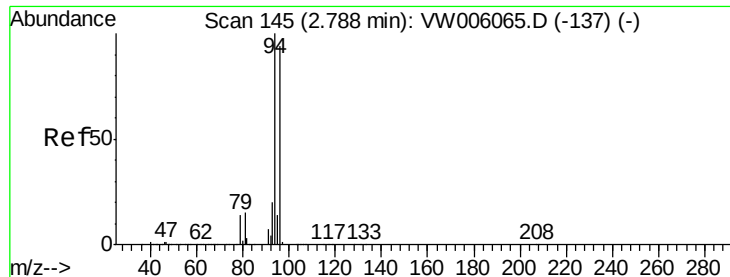
Tgt Ion: 62 Resp: 95059

Ion Ratio Lower Upper

62 100

64 33.2 25.9 38.9





#5

Bromomethane

Concen: 71.121 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 82346

Ion Ratio Lower Upper

94 100

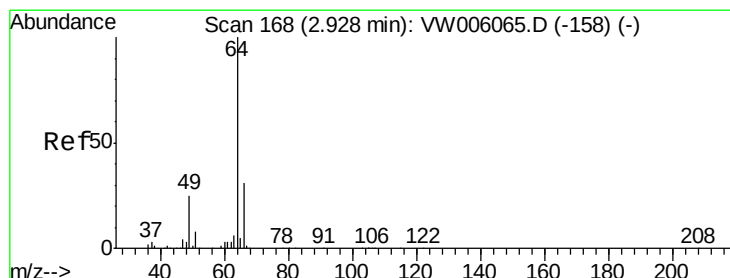
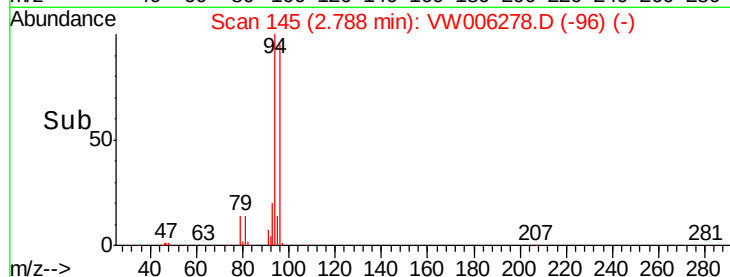
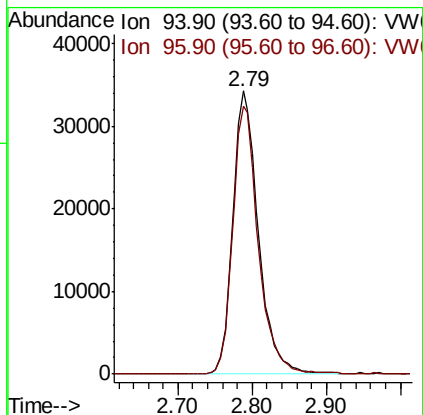
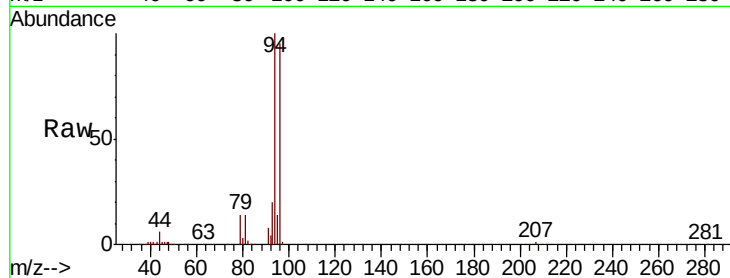
96 94.7 74.9 112.3

Manual Integrations

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10/24/2018 5:33:35 PM



#6

Chloroethane

Concen: 76.891 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006278.D

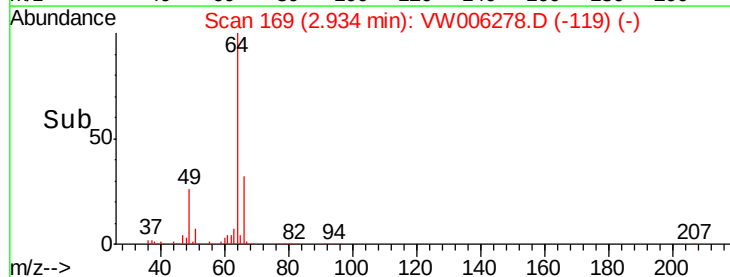
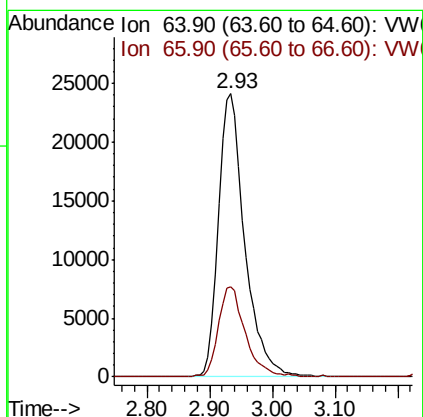
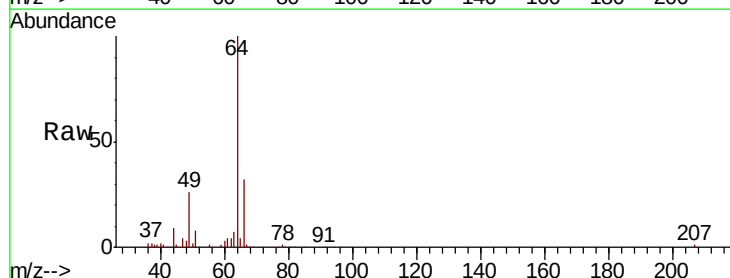
Acq: 23 Oct 2018 04:55

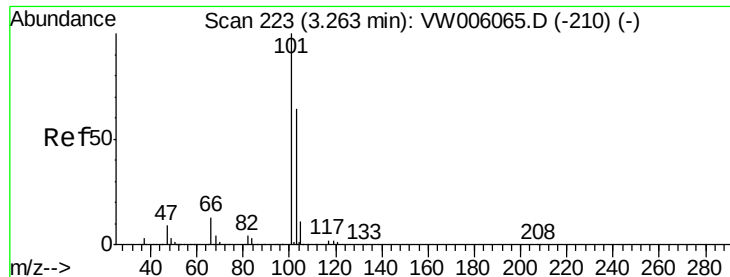
Tgt Ion: 64 Resp: 70145

Ion Ratio Lower Upper

64 100

66 31.8 24.9 37.3





#7

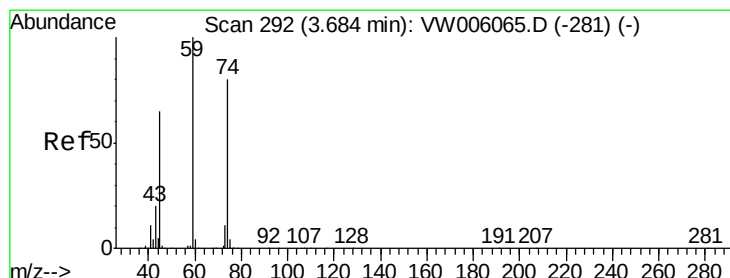
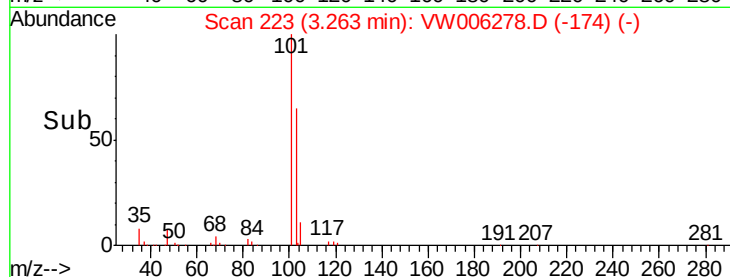
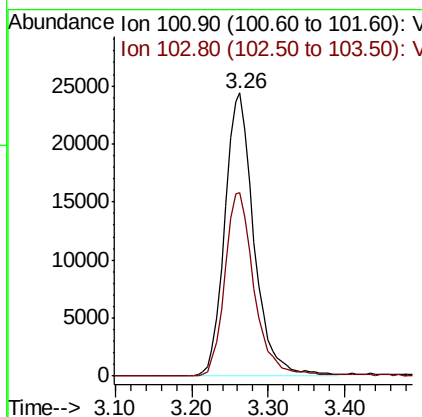
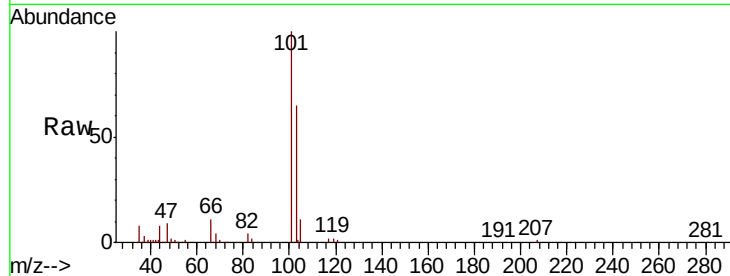
Trichlorofluoromethane
Concen: 54.319 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW006278.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		64415		
103	65.1	51.2	76.8		

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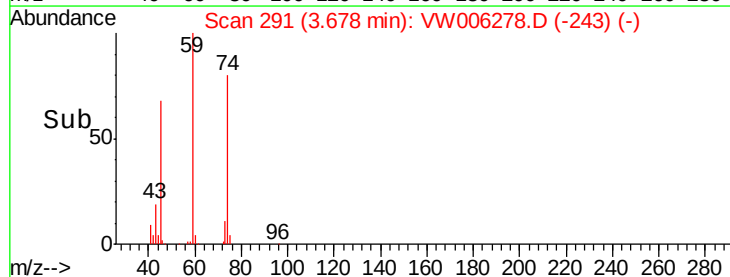
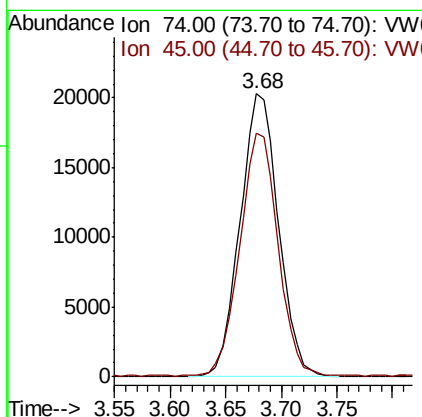
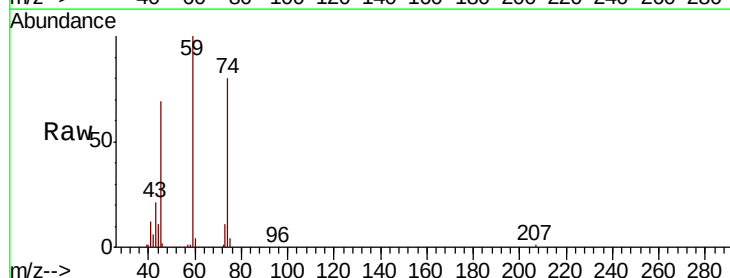
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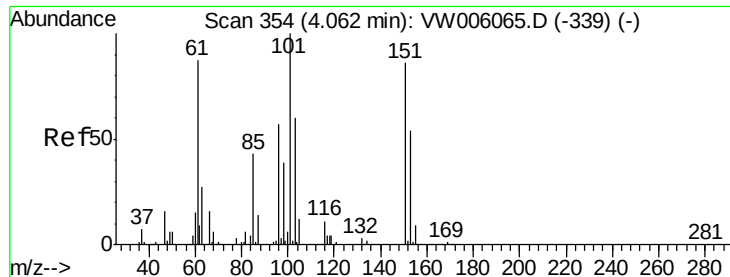


#8

Diethyl Ether
Concen: 77.157 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		48628		
45	85.2	42.8	128.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.565 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

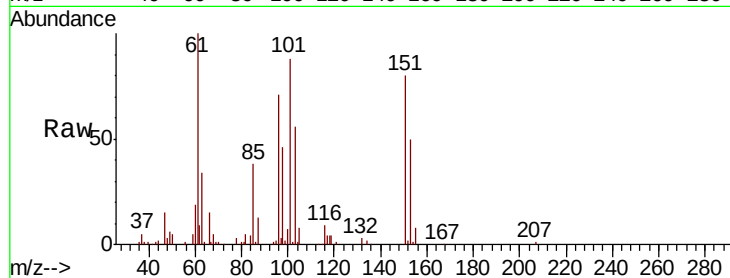
ClientSampleId :

PA-SB-01BMS

Tot Ion:	101	Resp:	61598
Ion Ratio	Lower	Upper	
101	100		
85	41.5	34.9	52.3
151	86.2	70.4	105.6

Manual Integrations
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10/24/2018 5:33:35 PM

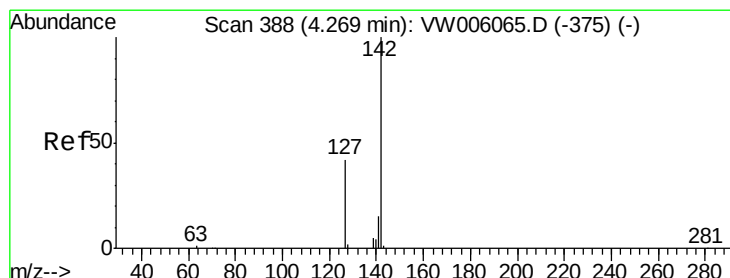
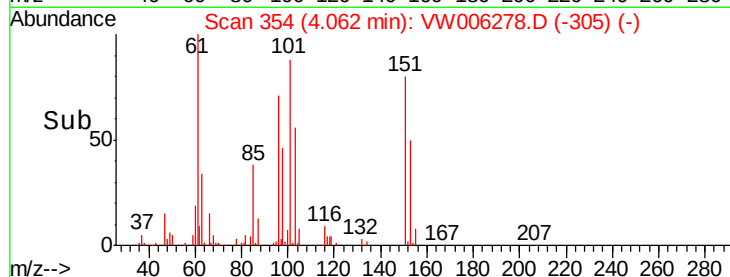
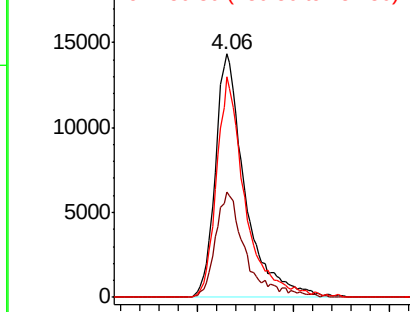


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 72.052 ug/l

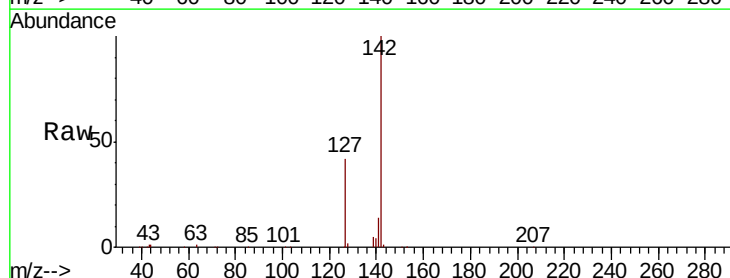
RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Tgt Ion:	142	Resp:	149038
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.6	50.4
141	14.3	11.6	17.4

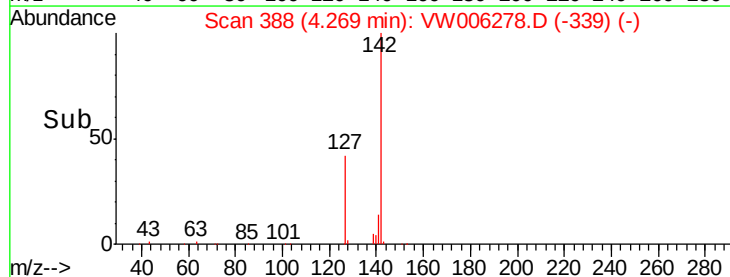
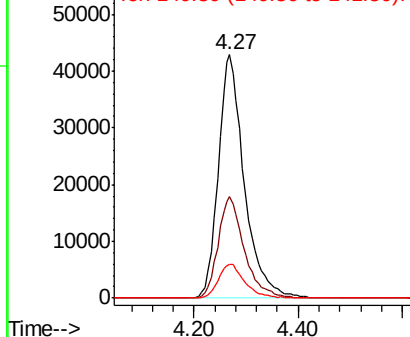


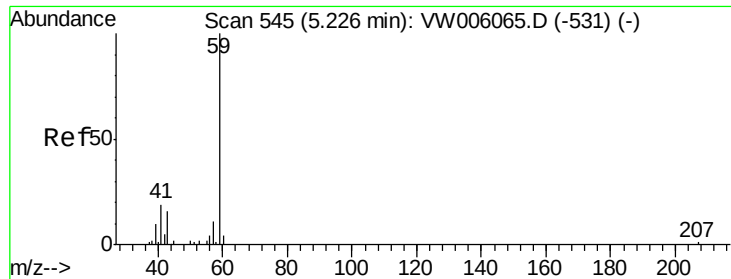
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

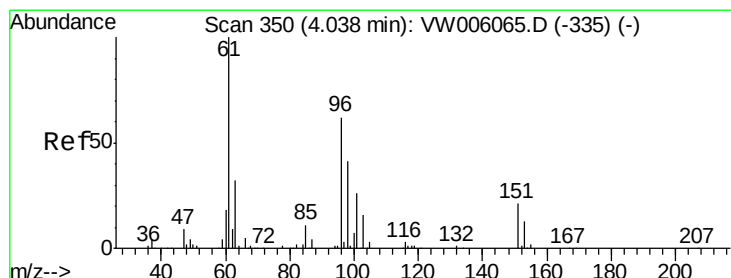
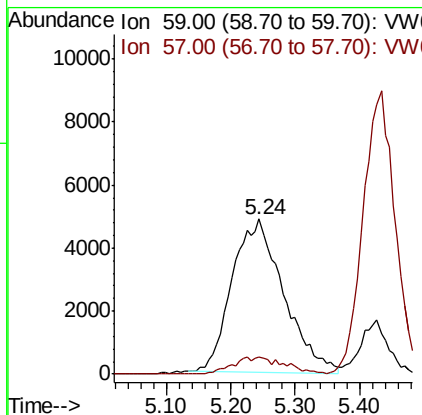
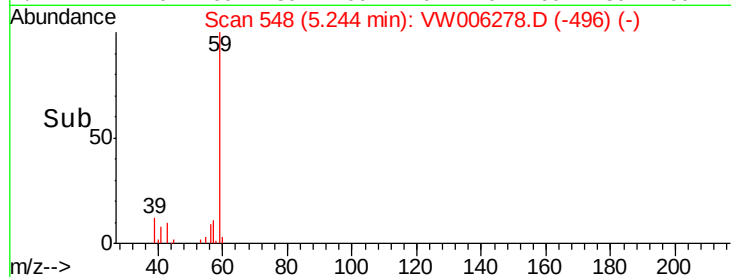
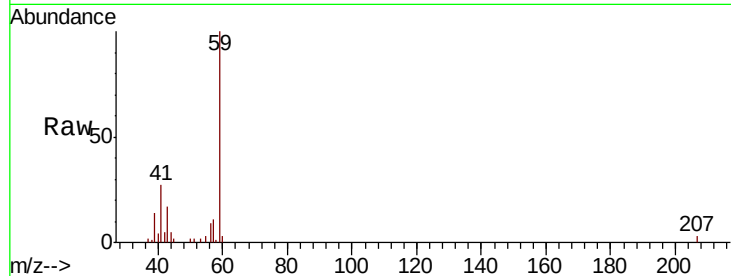
Tert butyl alcohol
Concen: 346.197 ug/l
RT: 5.24 min Scan# 548
Delta R.T. 0.02 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	8.7	13.1#

Manual Integrations
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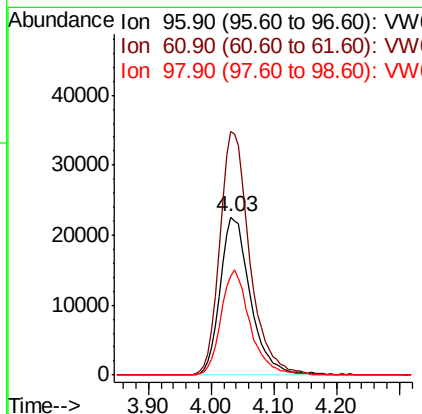
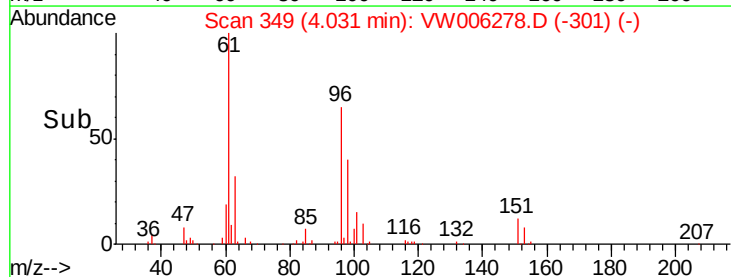
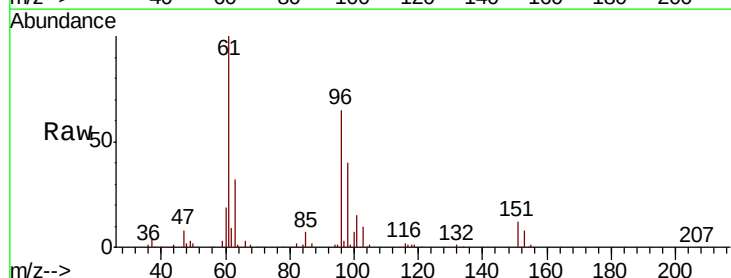
sam
10/24/2018 5:33:35 PM

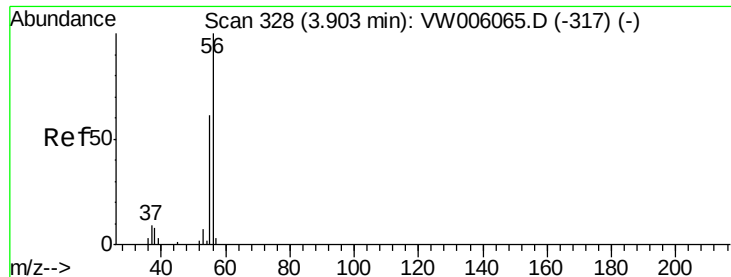


#12

1,1-Dichloroethene
Concen: 64.372 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	129.3	193.9
98	62.3	53.1	79.7





#13

Acrolein

Concen: 182.491 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion: 56 Resp: 13778

Ion Ratio Lower Upper

56 100

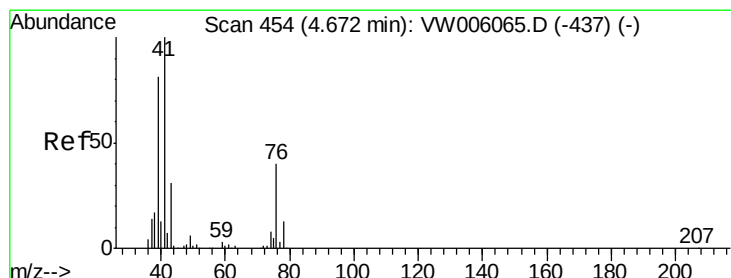
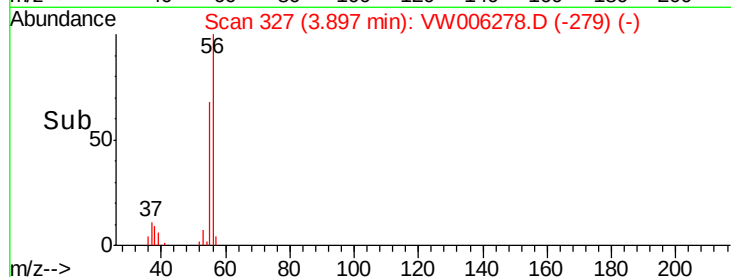
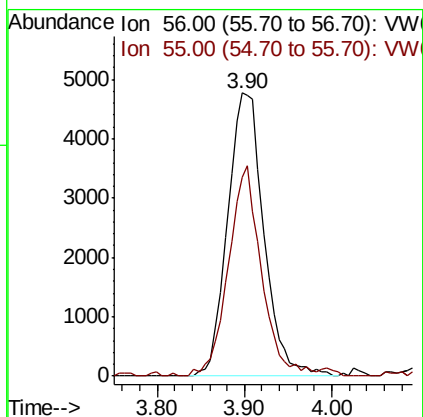
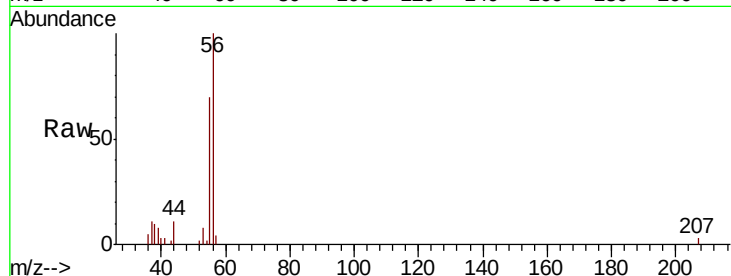
55 67.7 54.5 81.7

Manual Integrations

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sam

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#14

Allyl chloride

Concen: 68.460 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

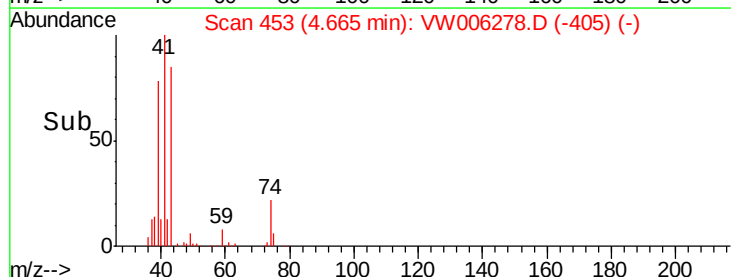
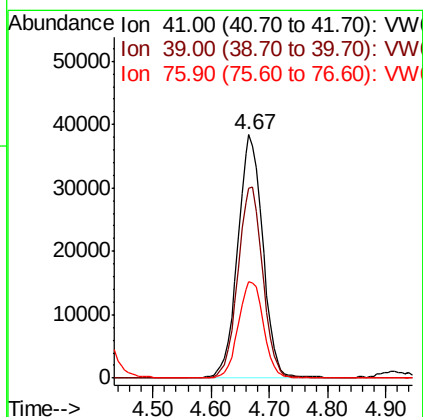
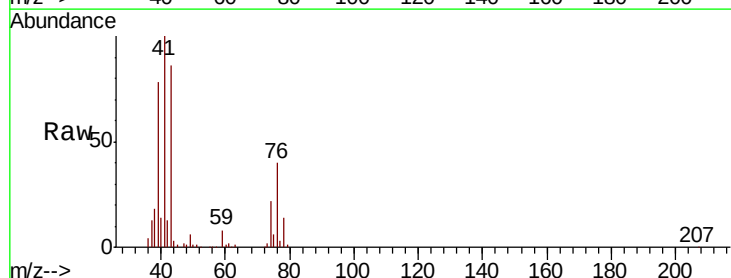
Tgt Ion: 41 Resp: 114451

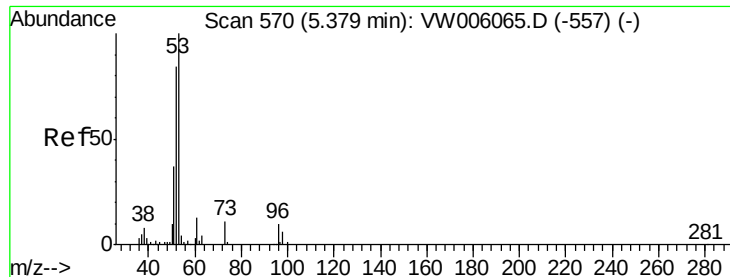
Ion Ratio Lower Upper

41 100

39 78.0 64.1 96.1

76 39.7 32.2 48.4





#15

Acrylonitrile

Concen: 402.963 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

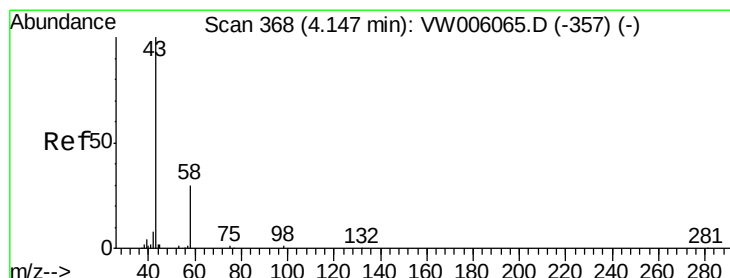
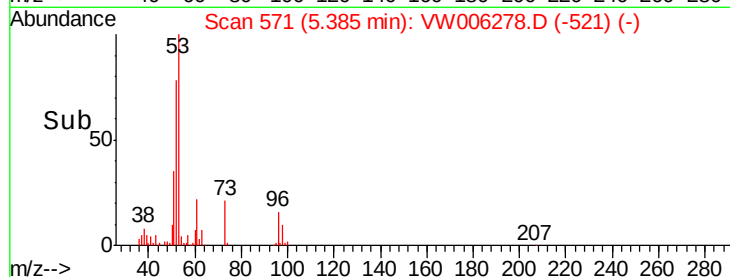
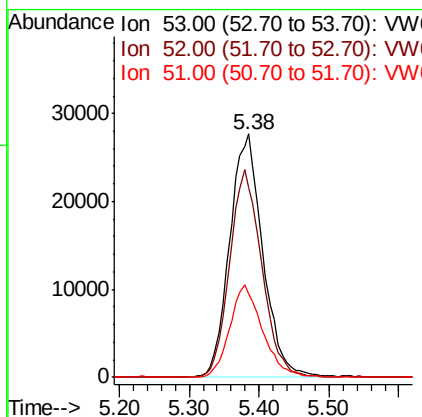
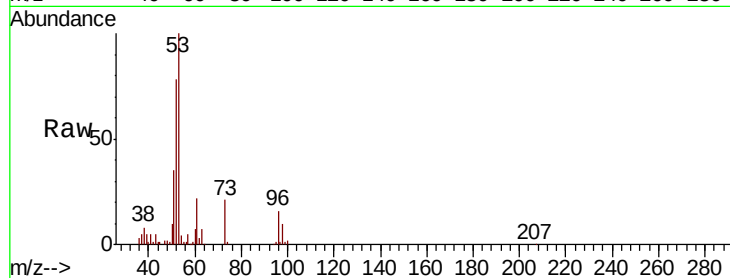
ClientSampleId :

PA-SB-01BMS

Tot Ion:	53	Resp:	91091
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.9	100.3
51	37.6	30.1	45.1

Manual Integrations
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sam
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#16

Acetone

Concen: 441.638 ug/l

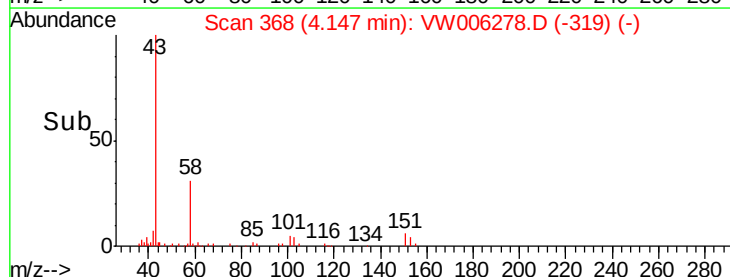
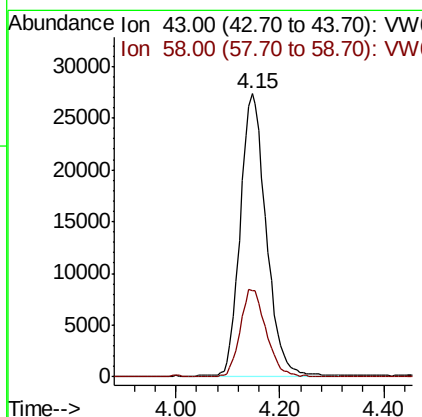
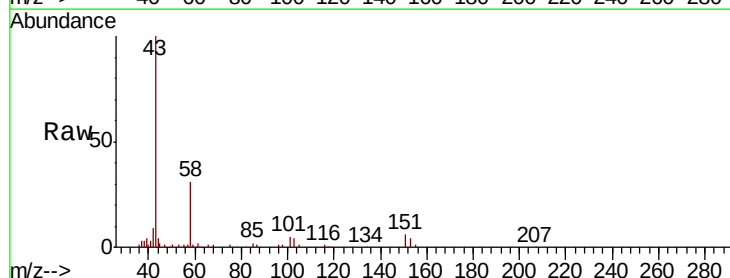
RT: 4.15 min Scan# 368

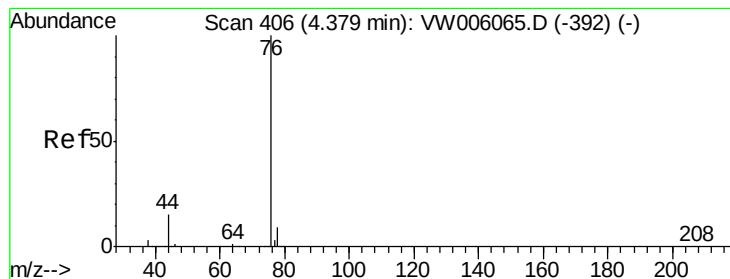
Delta R.T. 0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Tgt Ion:	43	Resp:	93653
Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.0	36.0





#17

Carbon Disulfide

Concen: 52.999 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion: 76 Resp: 187018

Ion Ratio Lower Upper

76 100

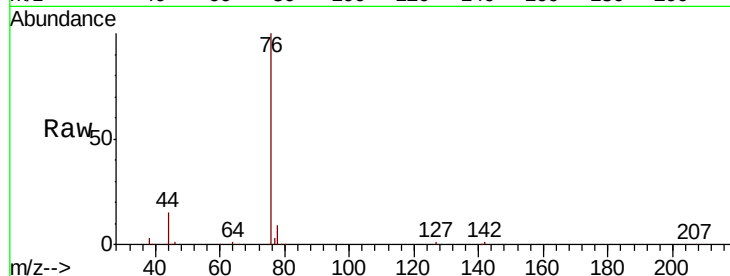
78 9.3 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

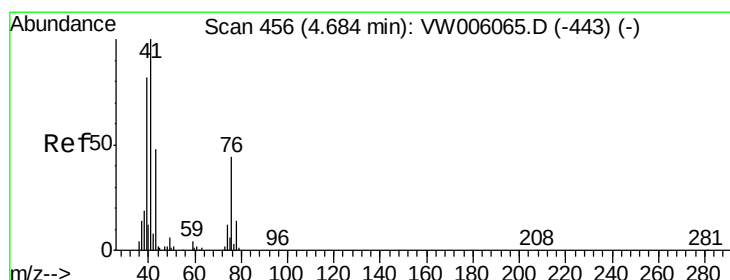
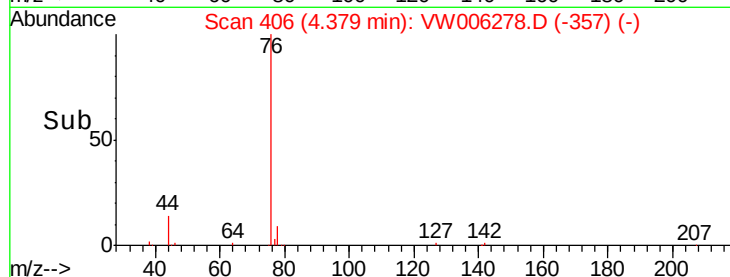
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 222.004 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW006278.D

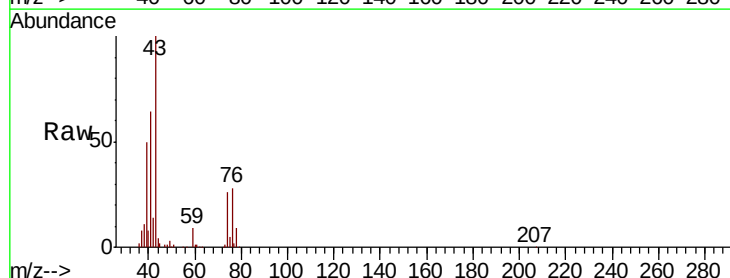
Acq: 23 Oct 2018 04:55

Tgt Ion: 43 Resp: 129614

Ion Ratio Lower Upper

43 100

74 26.3 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

40000

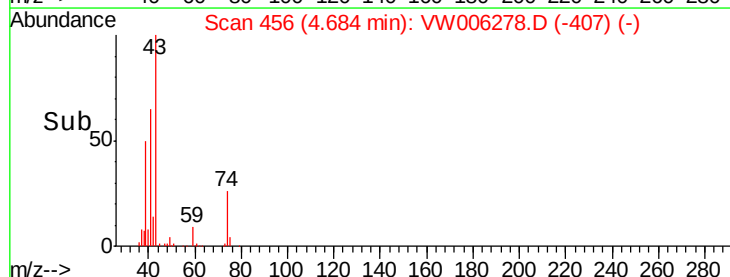
30000

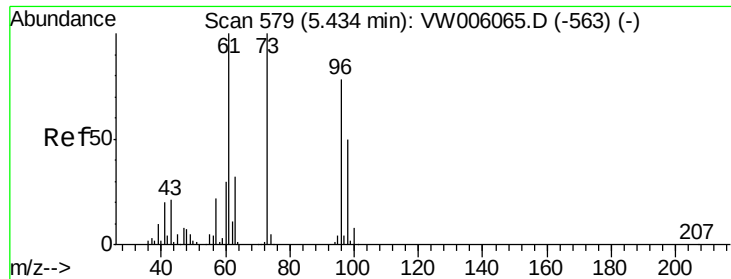
20000

10000

0

Time-->





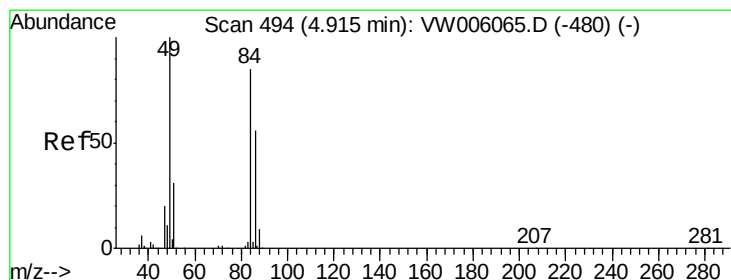
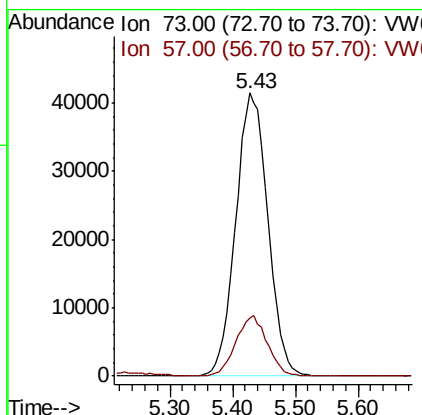
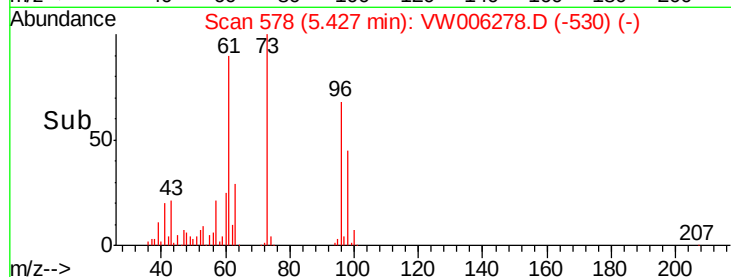
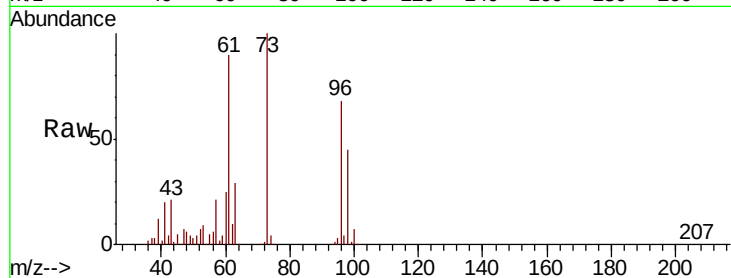
#19
Methyl tert-butyl Ether
Concen: 82.460 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.4	26.2

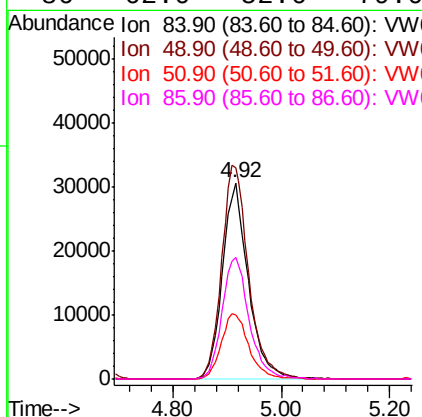
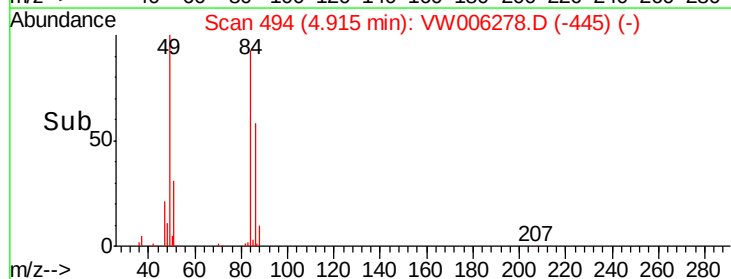
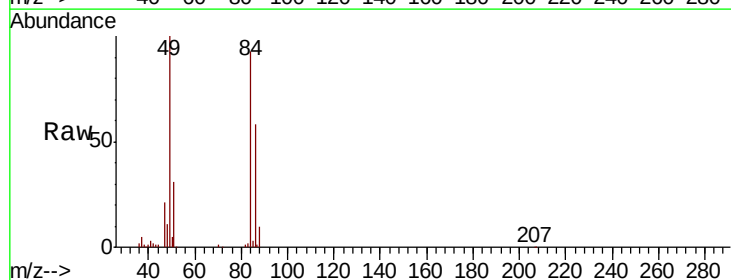
Manual Integrations
APPROVED

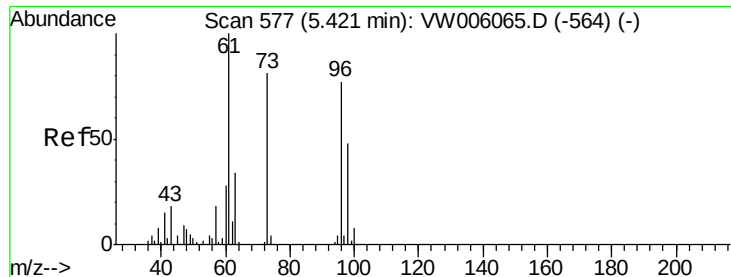
sam
10/24/2018 5:33:35 PM



#20
Methylene Chloride
Concen: 84.007 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.4	93.6	140.4
51	32.9	29.0	43.4
86	62.0	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 66.643 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

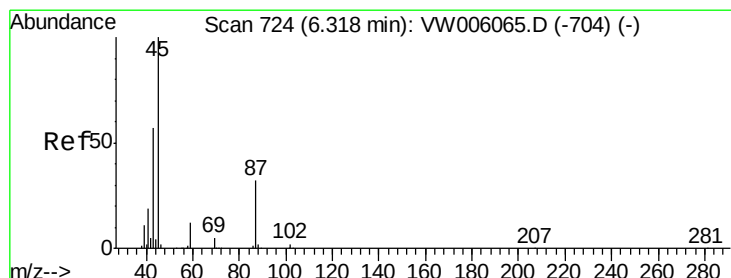
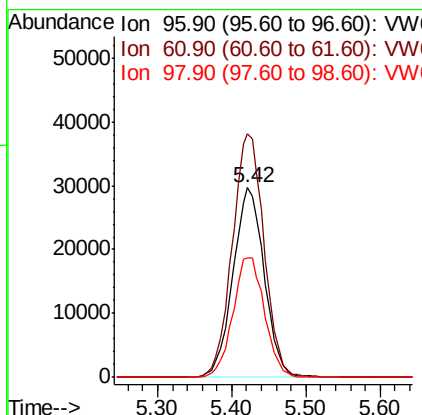
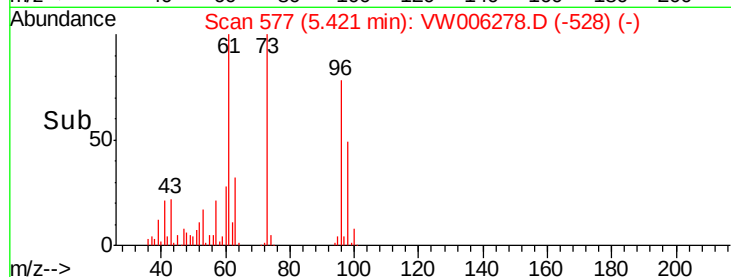
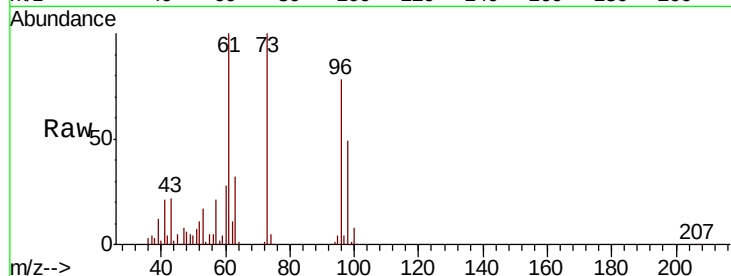
ClientSampleId :

PA-SB-01BMS

Tot Ion:	96	Resp:	86974
Ion	Ratio	Lower	Upper
96	100		
61	128.5	104.5	156.7
98	63.0	50.6	75.8

Manual Integrations
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sam
10/24/2018 5:33:35 PM



#22

Diisopropyl ether

Concen: 77.188 ug/l

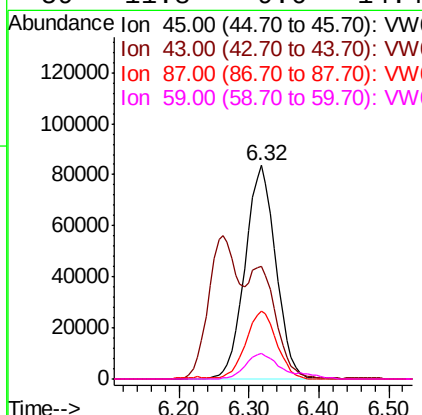
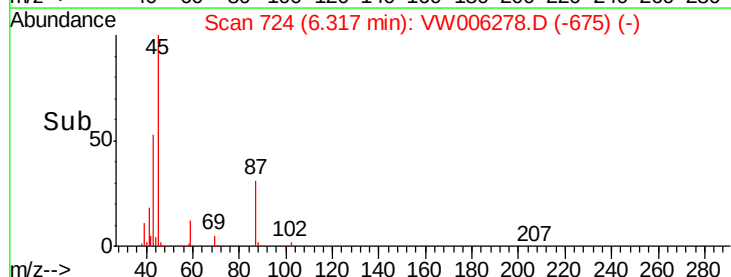
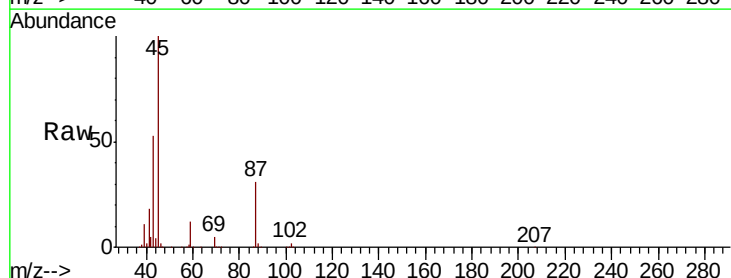
RT: 6.32 min Scan# 724

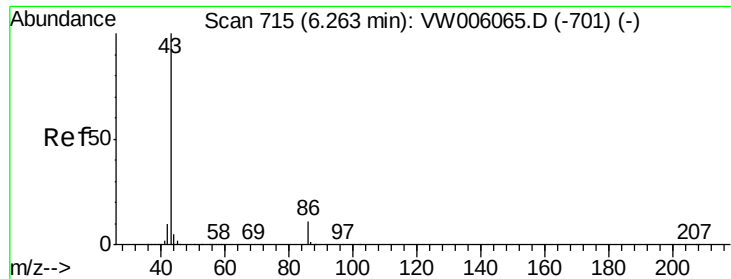
Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Tgt Ion:	45	Resp:	255007
Ion	Ratio	Lower	Upper
45	100		
43	52.4	45.7	68.5
87	31.5	25.9	38.9
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 86.906 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion: 43 Resp: 169439

Ion Ratio Lower Upper

43 100

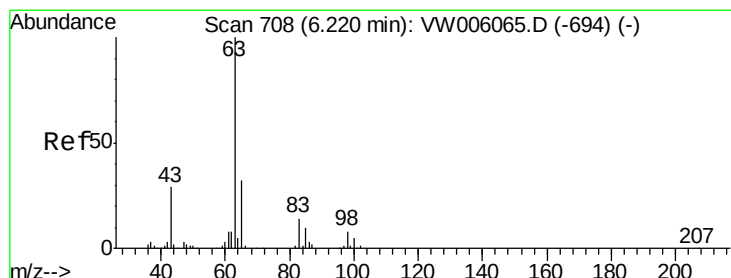
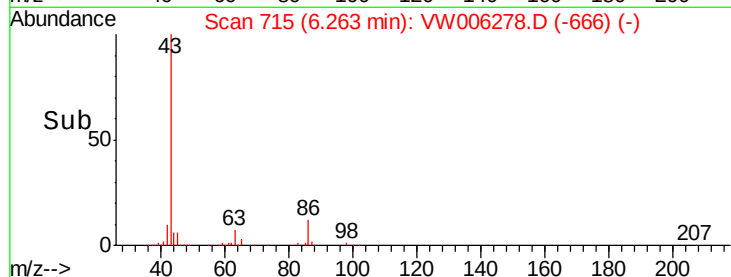
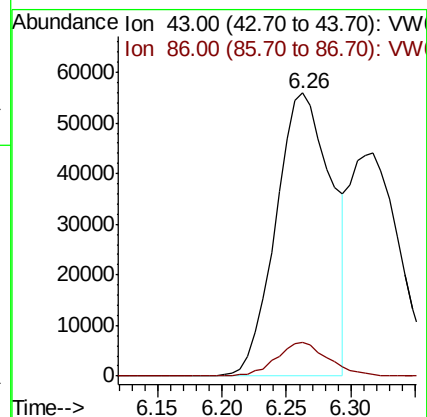
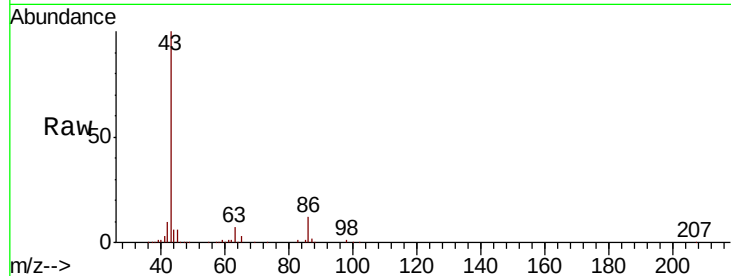
86 11.9 9.0 13.6

Manual Integrations

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sam

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#24

1,1-Dichloroethane

Concen: 70.946 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

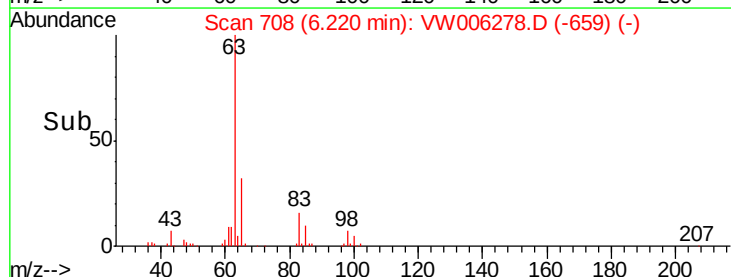
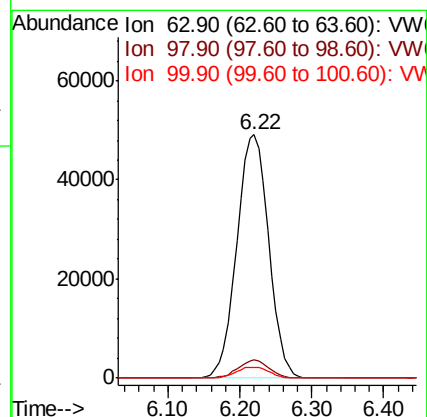
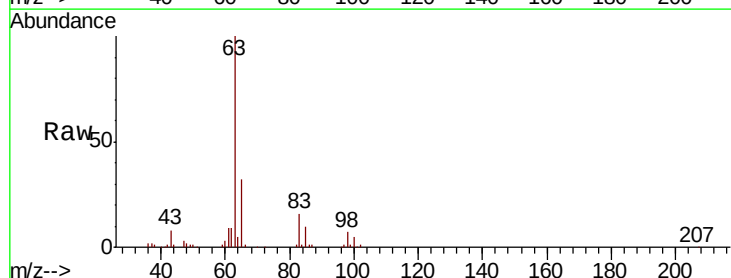
Tgt Ion: 63 Resp: 151239

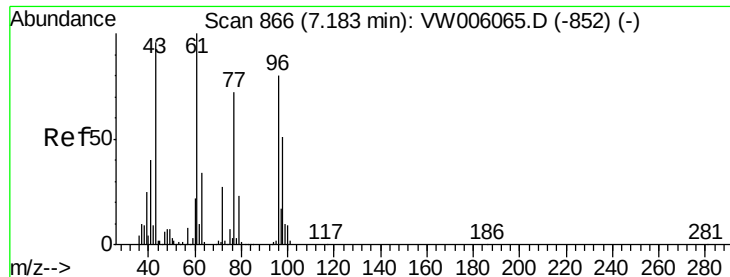
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 397.212 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion: 43 Resp: 124491

Ion Ratio Lower Upper

43 100

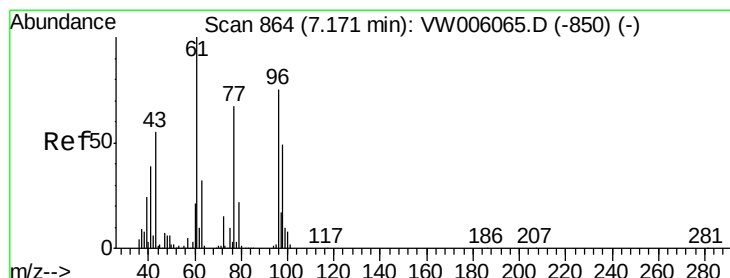
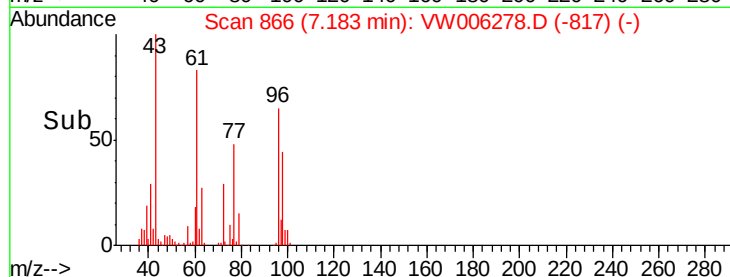
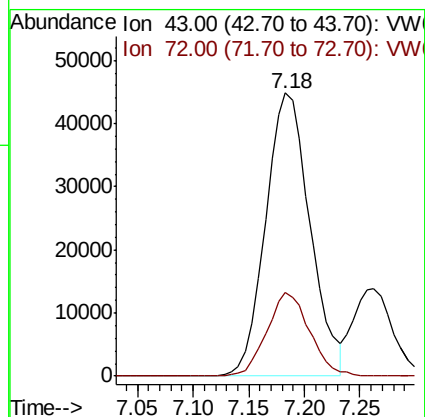
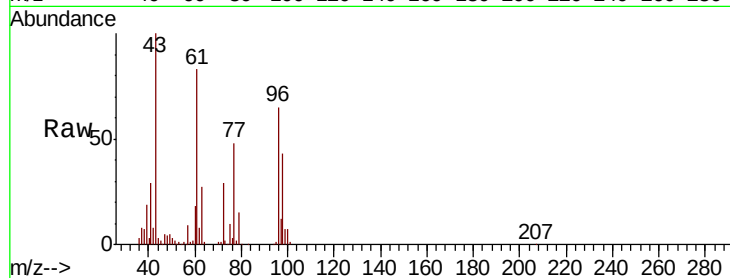
72 29.4 22.8 34.2

Manual Integrations

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sam

10/24/2018 5:33:35 PM



#26

2,2-Dichloropropane

Concen: 52.145 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006278.D

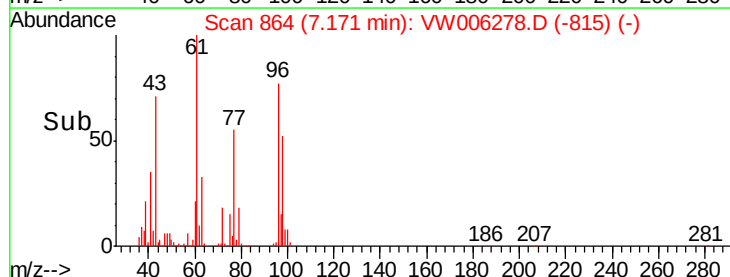
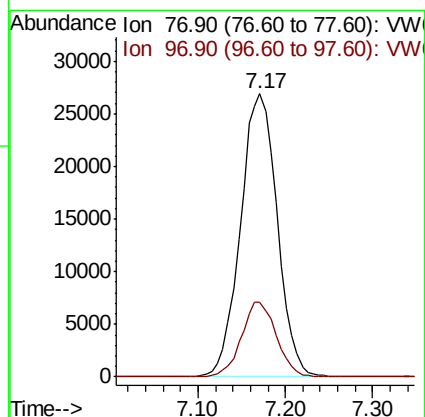
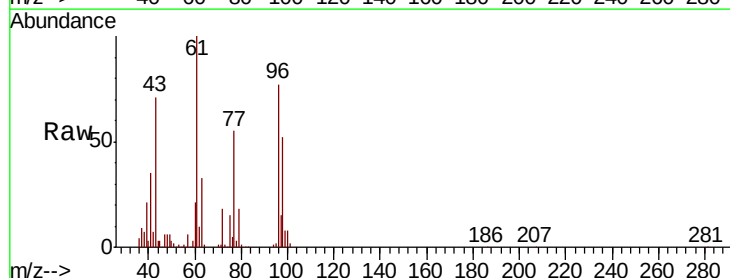
Acq: 23 Oct 2018 04:55

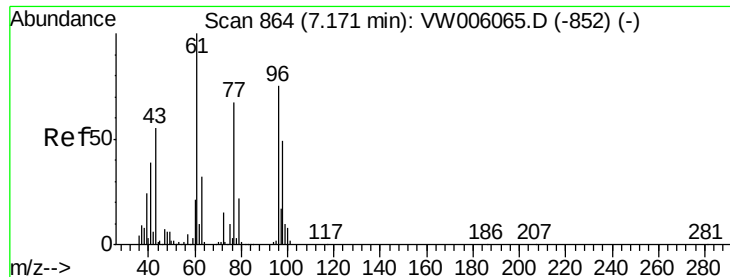
Tgt Ion: 77 Resp: 78400

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.4





#27

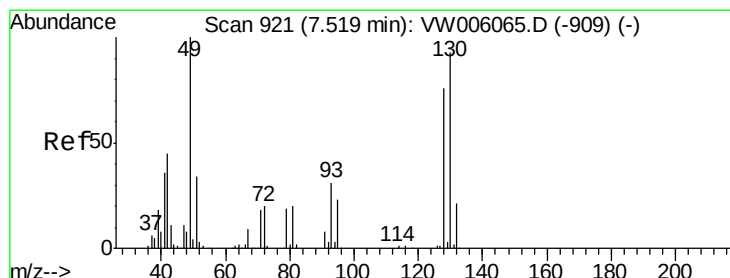
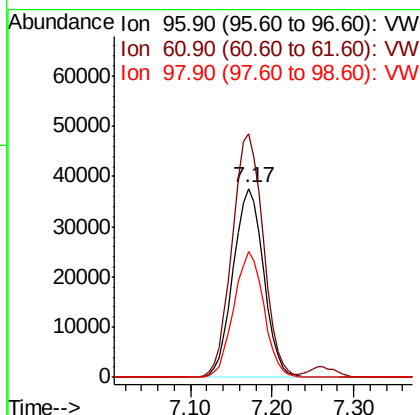
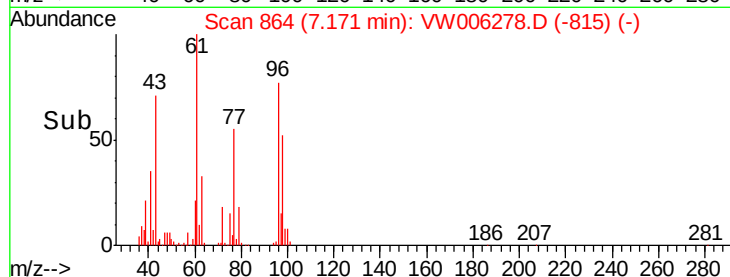
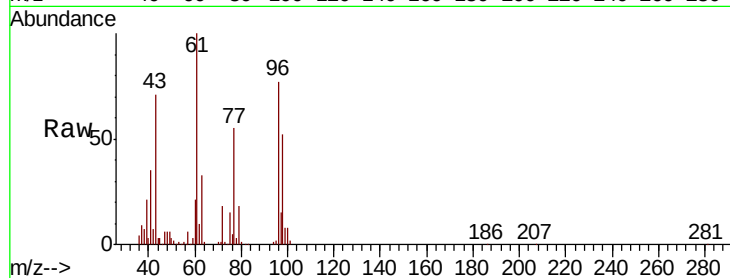
cis-1,2-Dichloroethene
Concen: 67.698 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.6	0.0	267.2
98	65.3	0.0	128.6

Manual Integrations
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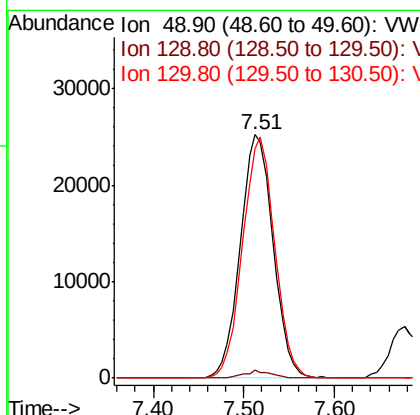
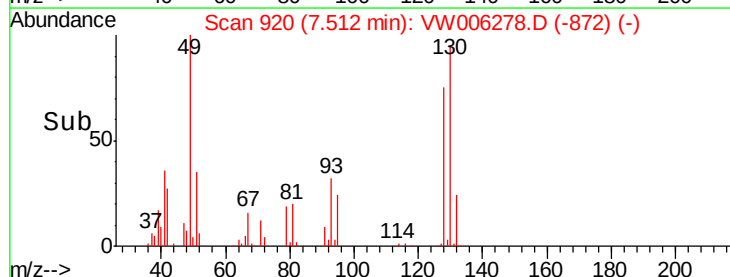
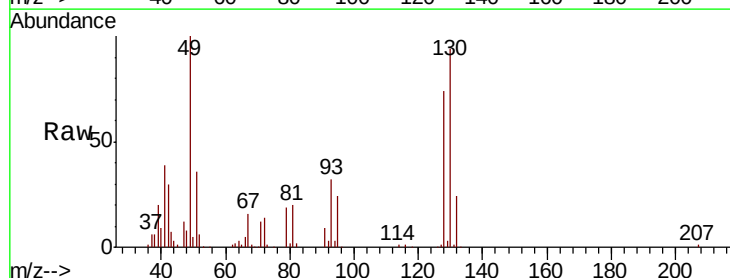
sam
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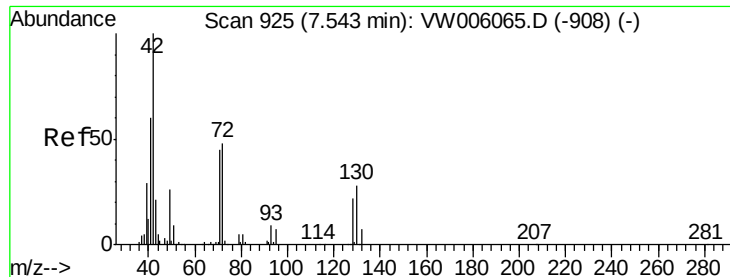


#28

Bromochloromethane
Concen: 77.022 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	96.5	73.8	110.8





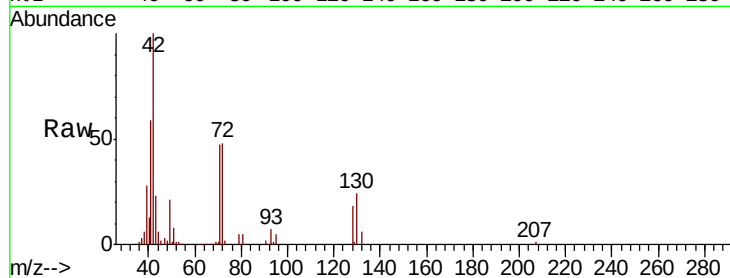
#29
Tetrahydrofuran
Concen: 394.893 ug/l
RT: 7.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

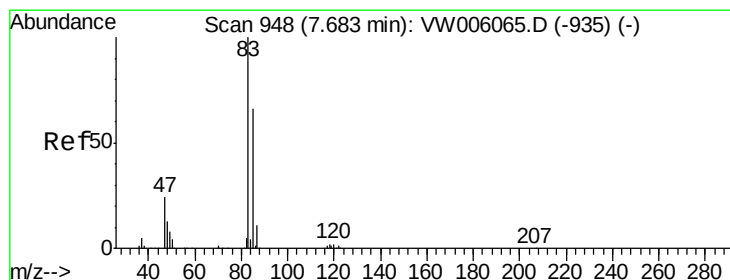
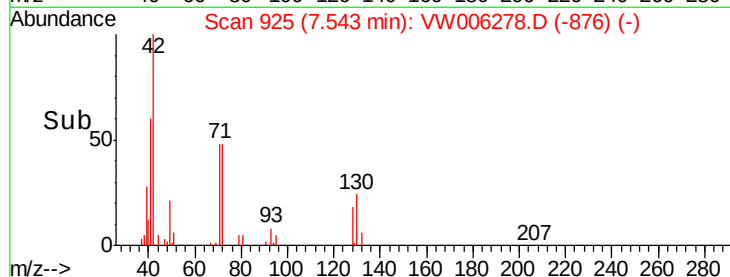
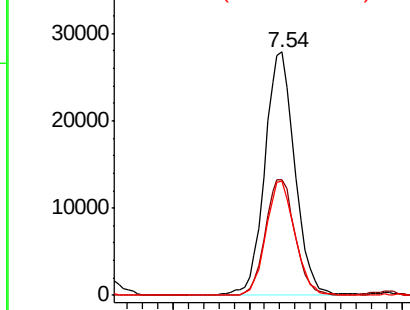
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	38.0	57.0
71	45.3	35.3	52.9

Manual Integrations
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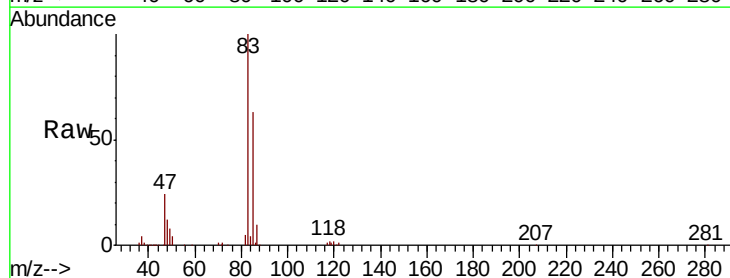


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

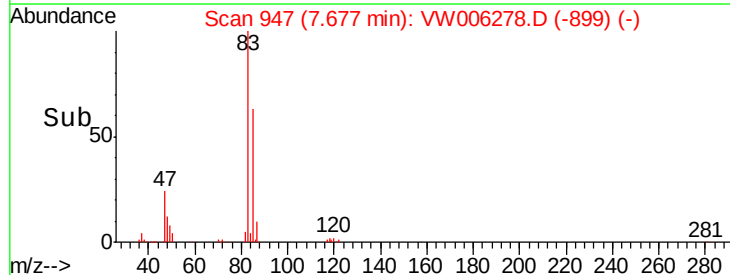
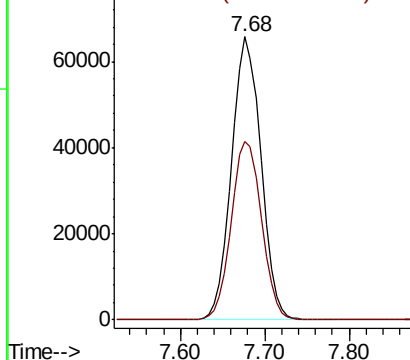


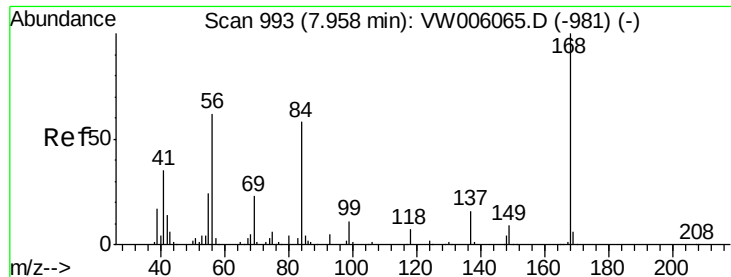
#30
Chloroform
Concen: 66.815 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





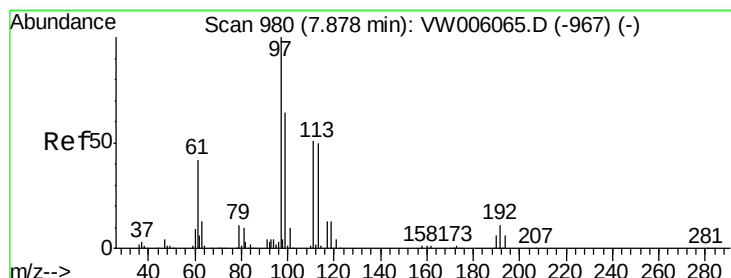
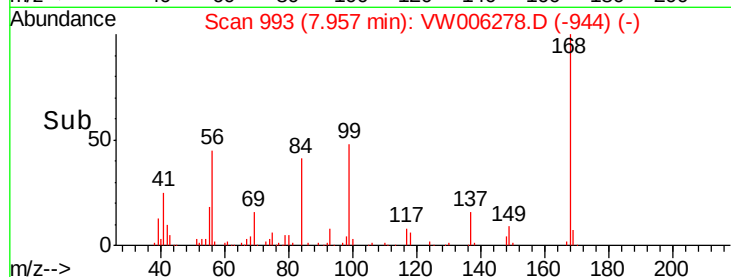
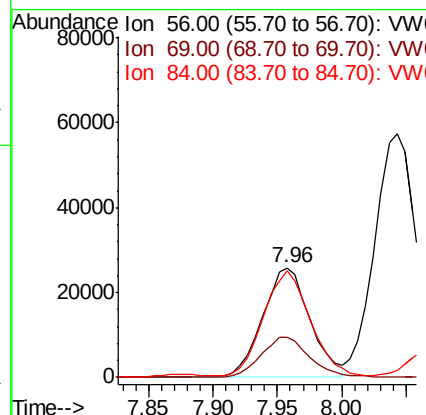
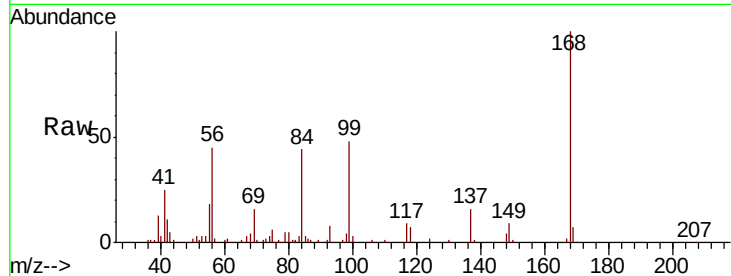
#31
Cyclohexane
Concen: 31.151 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	29.4	44.0
84	94.8	74.0	111.0

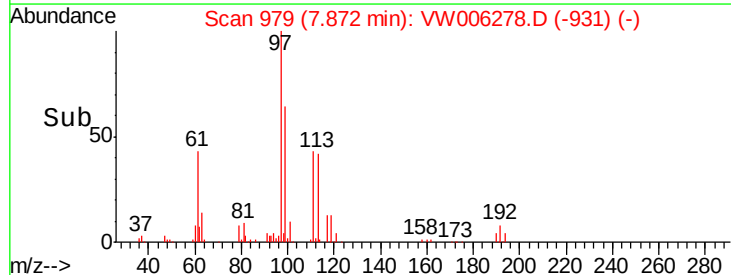
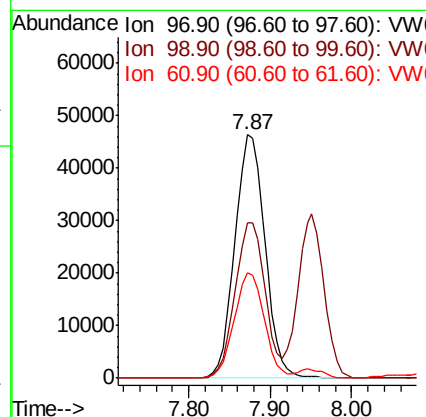
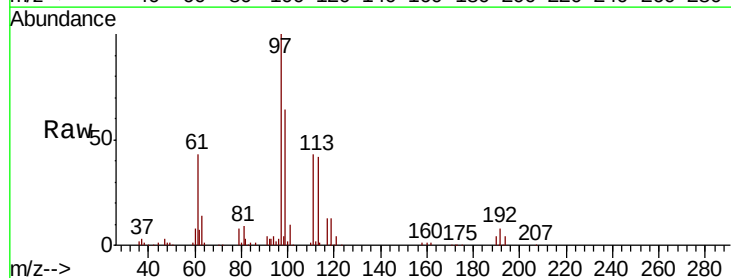
Manual Integrations
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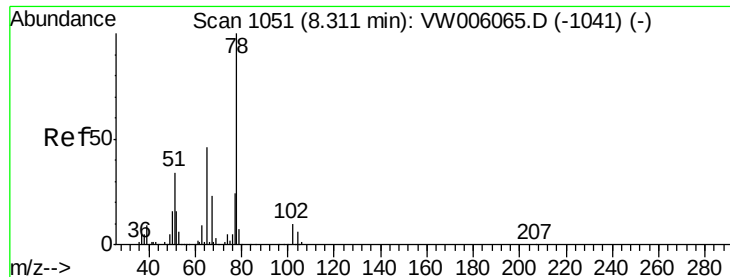
sam
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#32
1,1,1-Trichloroethane
Concen: 56.560 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.9	76.3
61	43.2	33.7	50.5





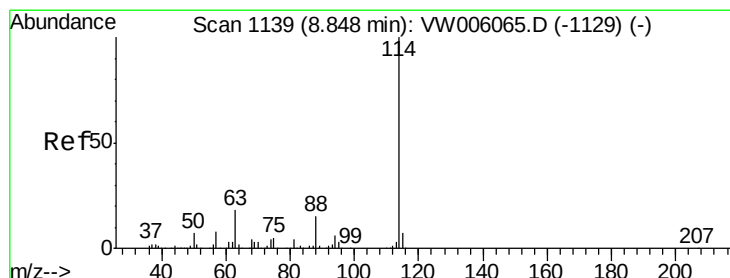
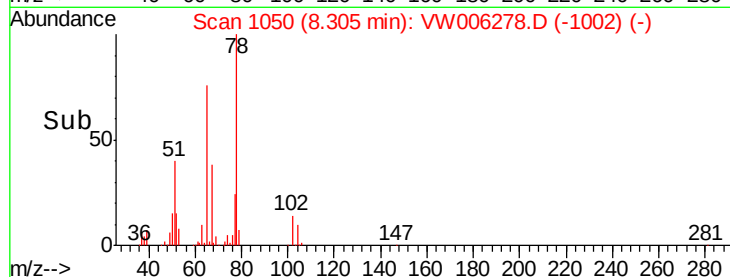
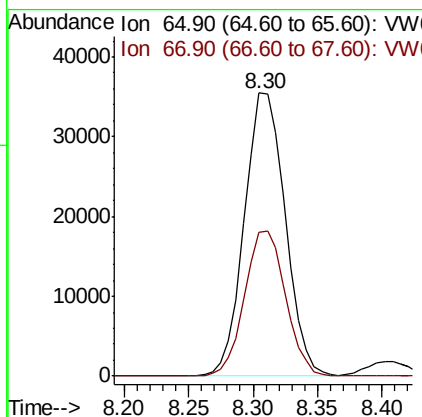
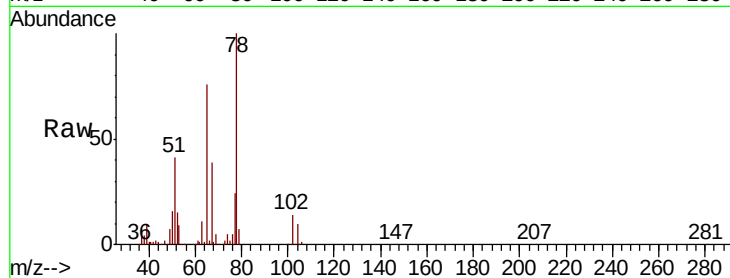
#33
 1,2-Dichloroethane-d4
 Concen: 67.237 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	101.0

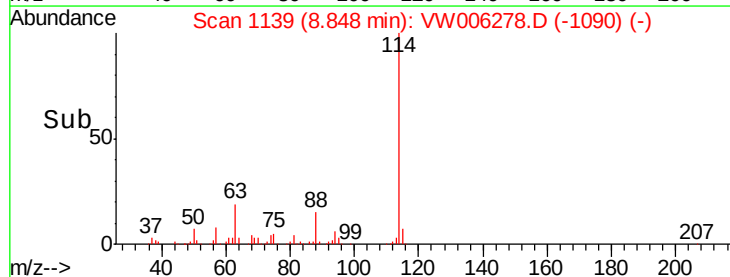
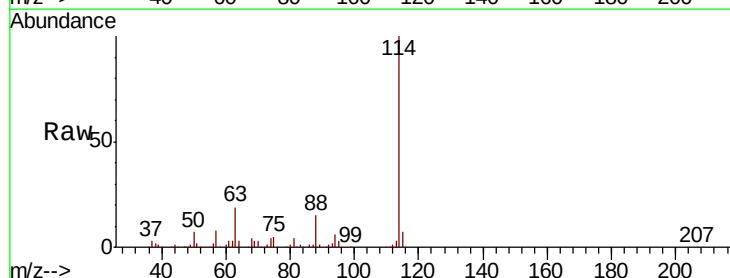
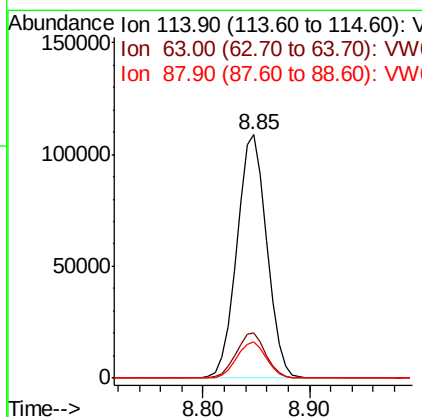
Manual Integrations
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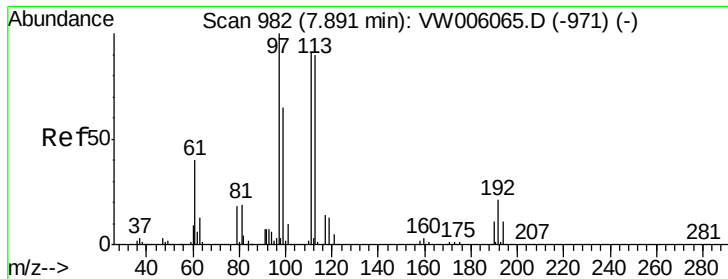
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	36.8
88	14.8	0.0	29.0





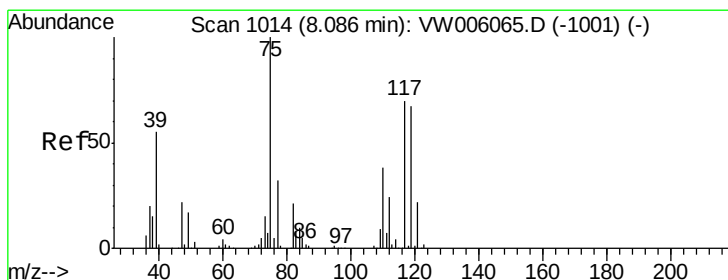
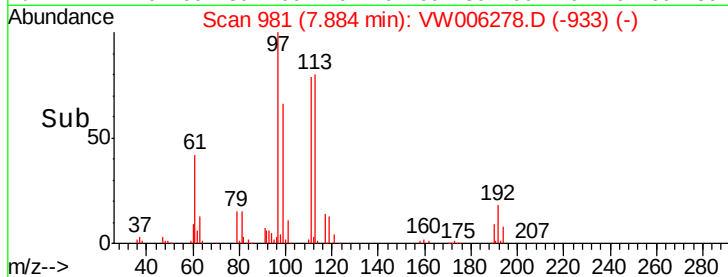
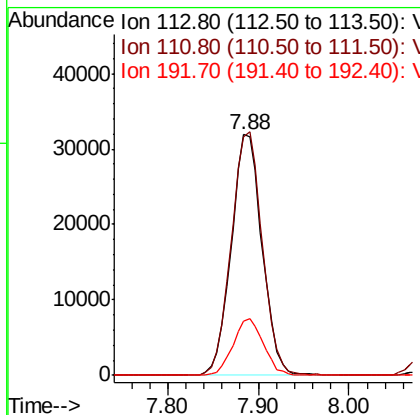
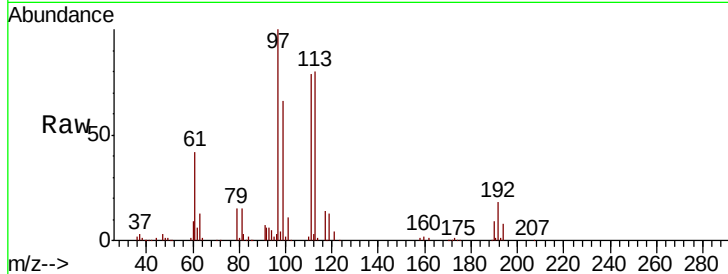
#35
 Dibromofluoromethane
 Concen: 59.223 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	23.1	18.7	28.1

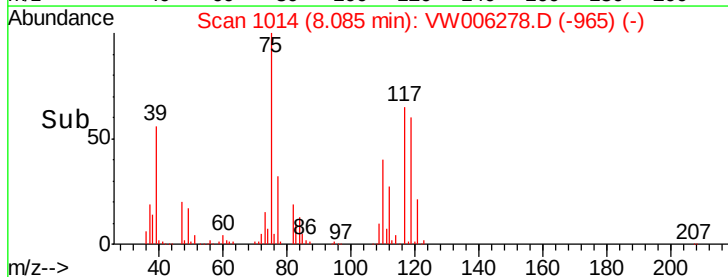
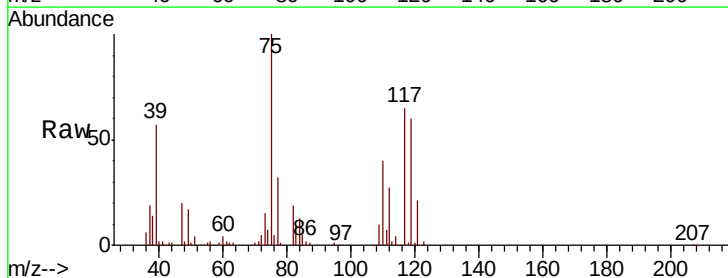
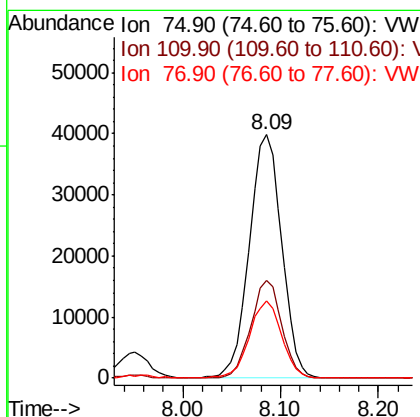
Manual Integrations
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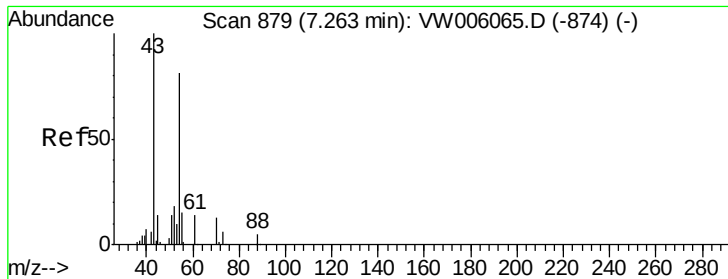
sam
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#36
 1,1-Dichloropropene
 Concen: 46.554 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.1	57.1
77	31.5	25.0	37.4





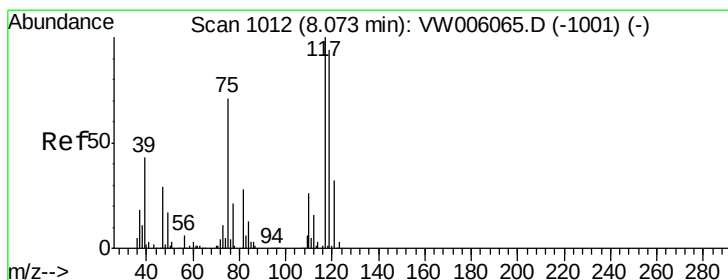
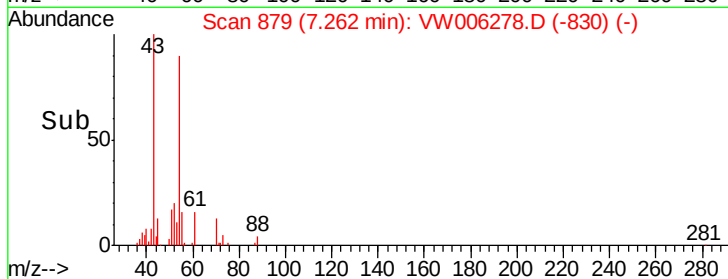
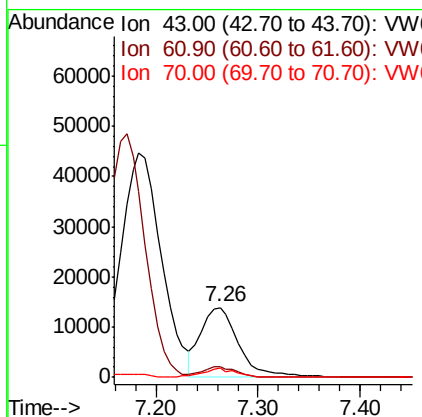
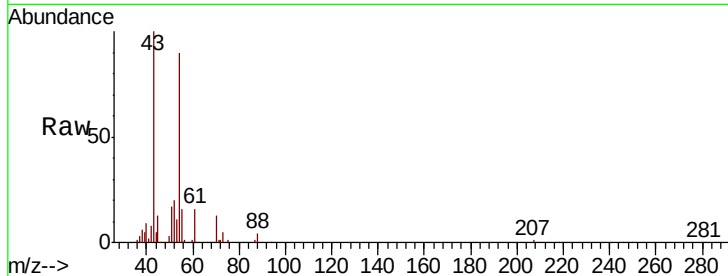
#37
Ethyl Acetate
Concen: 47.967 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	11.8	9.2	13.8

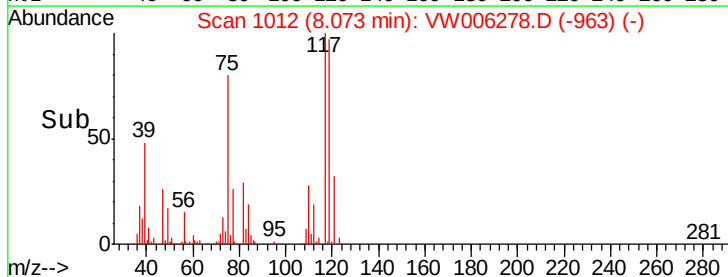
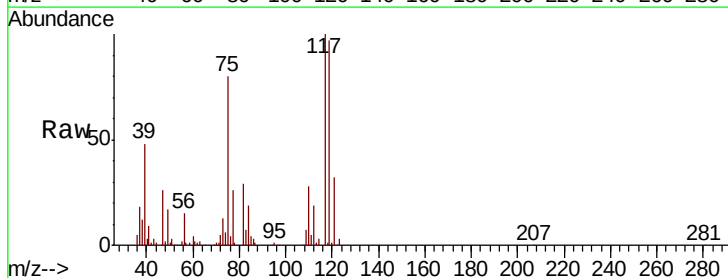
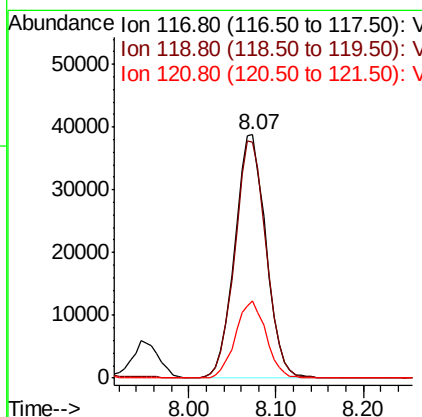
Manual Integrations
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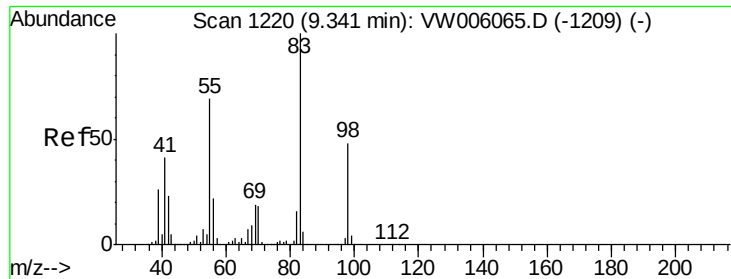
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#38
Carbon Tetrachloride
Concen: 44.386 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.2	112.8
121	31.7	25.3	37.9





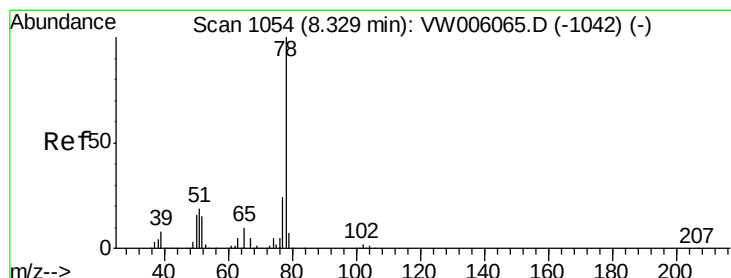
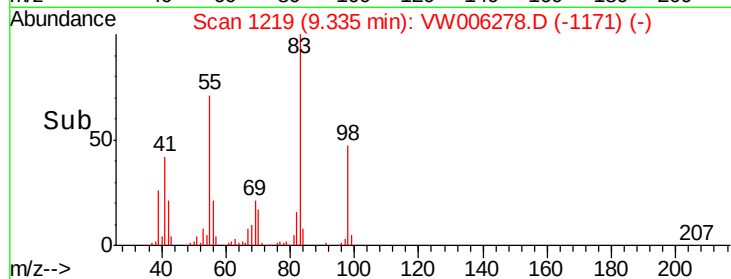
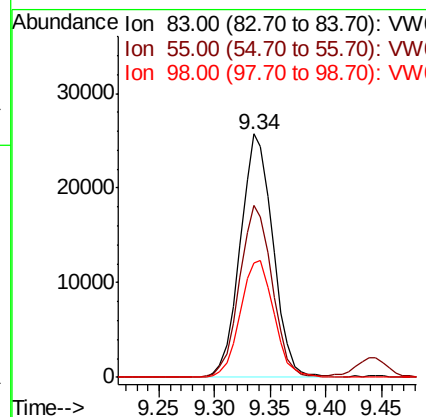
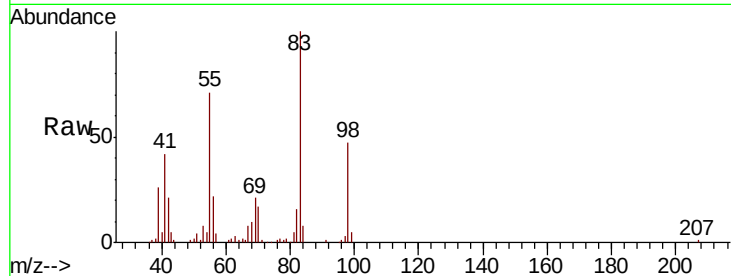
#39
Methylvlcyclohexane
Concen: 19.953 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	55.0	82.6
98	47.2	38.6	57.8

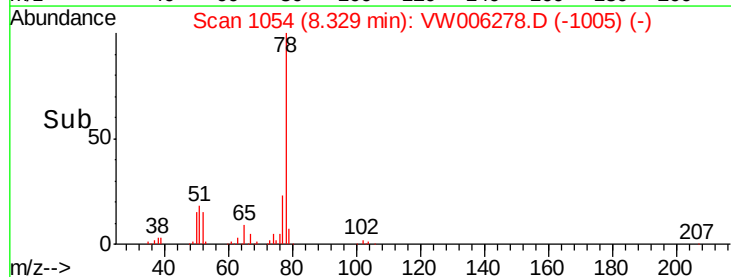
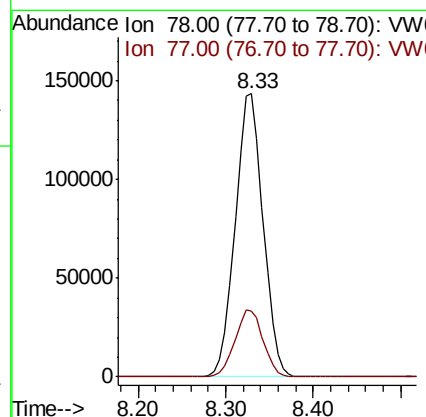
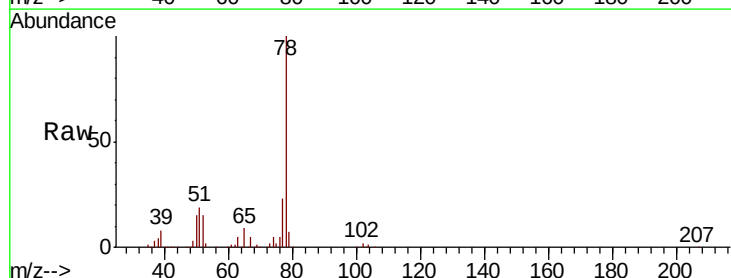
Manual Integrations
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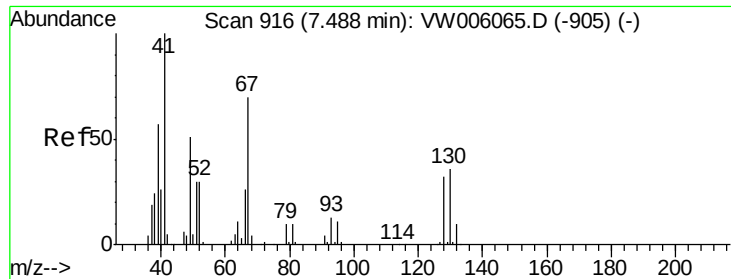
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#40
Benzene
Concen: 58.619 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.0





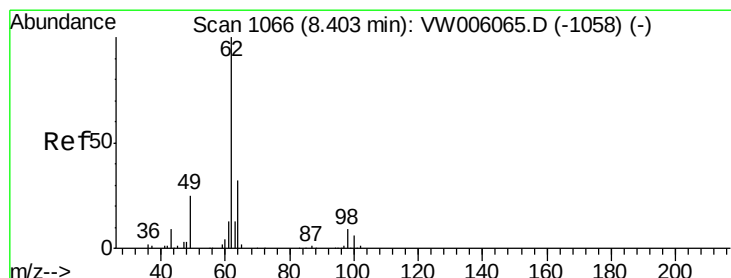
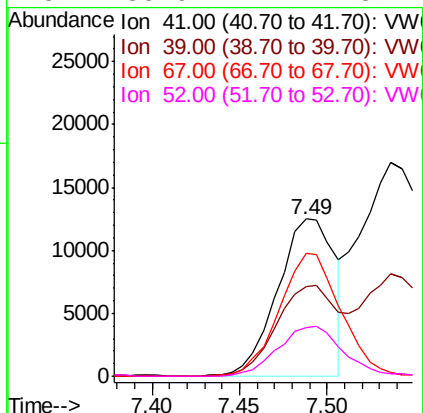
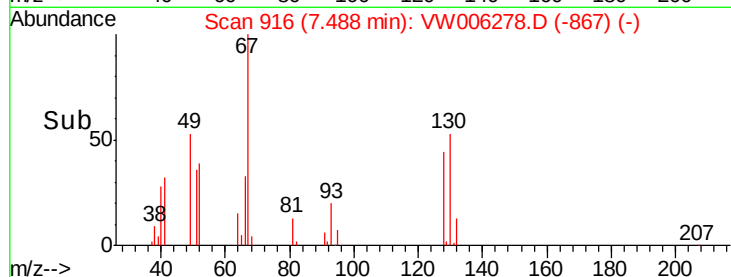
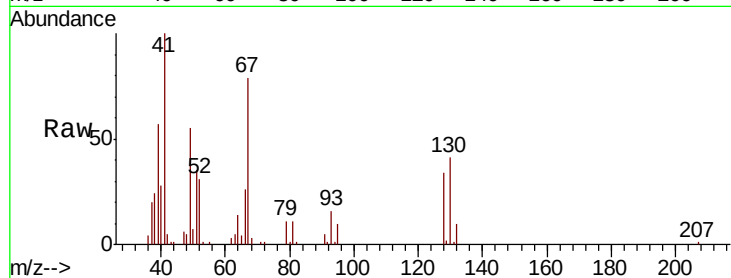
#41
Methacrylonitrile
Concen: 64.315 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	41	Resp	28457
Ion Ratio	Lower	Upper	
41	100		
39	65.0	46.2	69.4
67	84.8	57.7	86.5
52	35.9	24.7	37.1

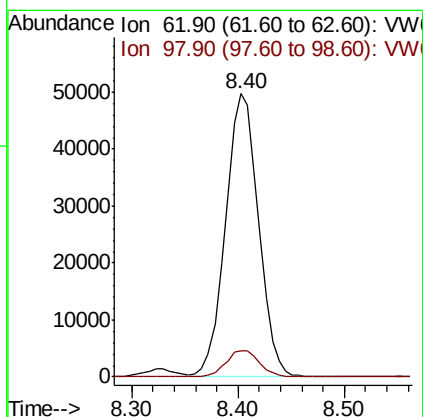
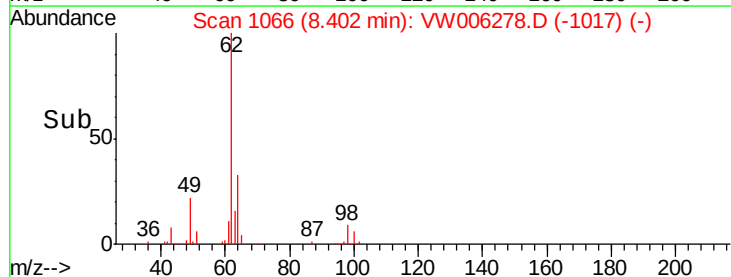
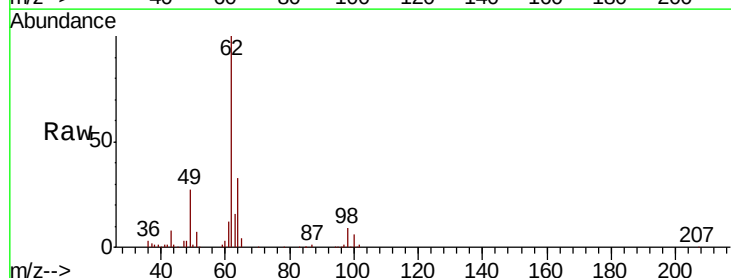
Manual Integrations
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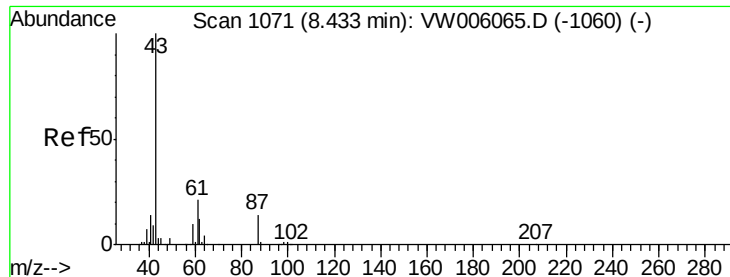
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#42
1,2-Dichloroethane
Concen: 67.641 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	62	Resp	107690
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 45.151 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

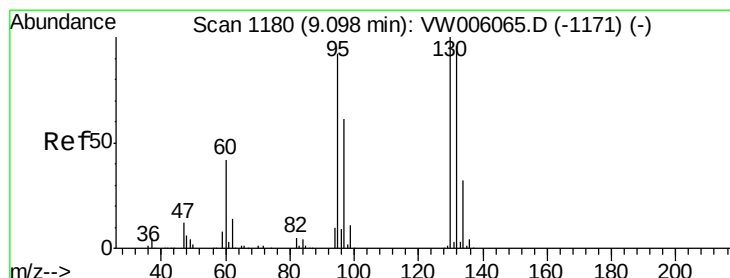
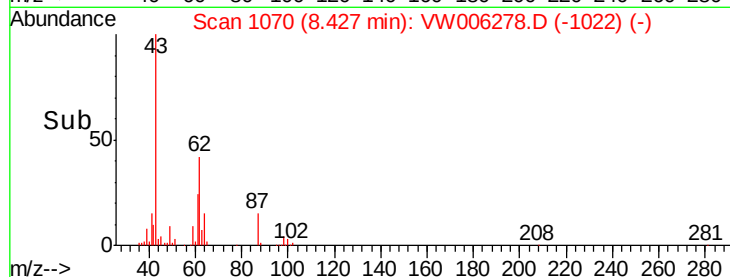
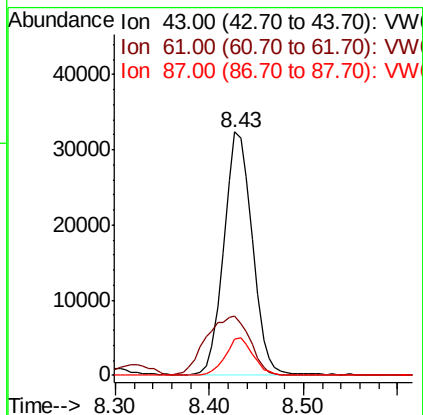
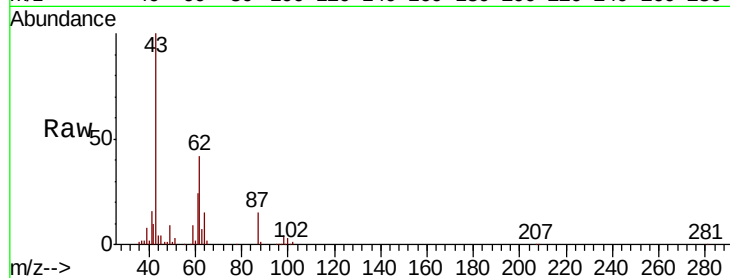
ClientSampleId :

PA-SB-01BMS

Tot Ion:	43	Resp:	67759
Ion	Ratio	Lower	Upper
43	100		
61	37.3	25.5	38.3
87	14.8	11.7	17.5

Manual Integrations
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#44

Trichloroethene

Concen: 47.013 ug/l

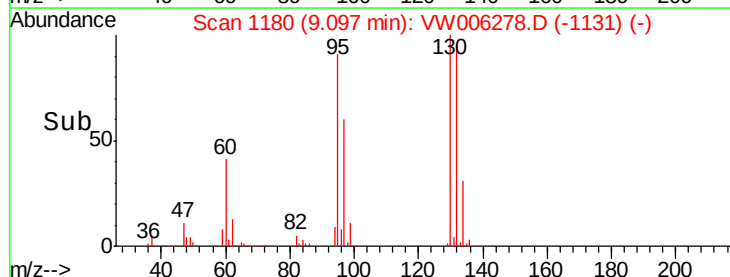
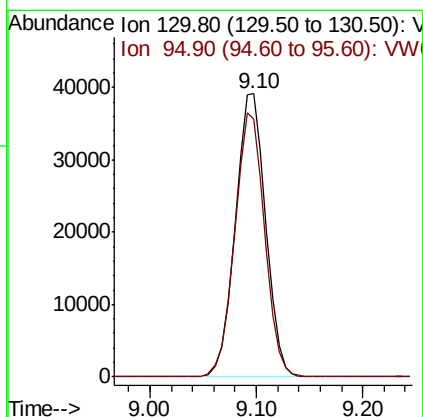
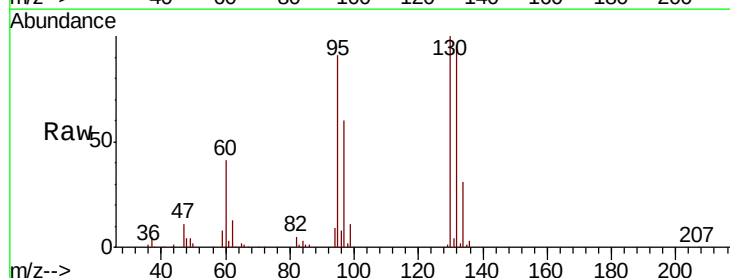
RT: 9.10 min Scan# 1180

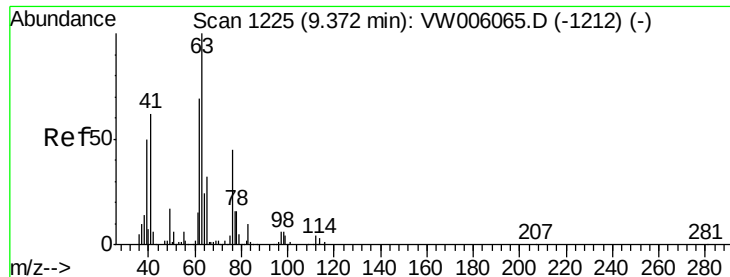
Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Tgt Ion:	130	Resp:	78159
Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	183.2





#45

1,2-Dichloropropane

Concen: 58.450 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion: 63 Resp: 75793

Ion Ratio Lower Upper

63 100

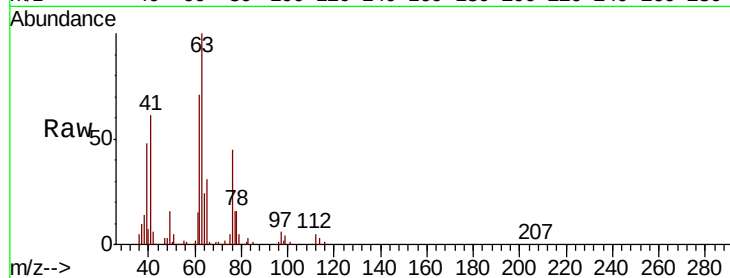
65 30.6 25.4 38.0

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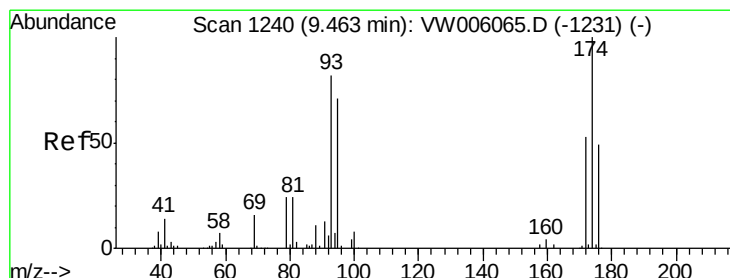
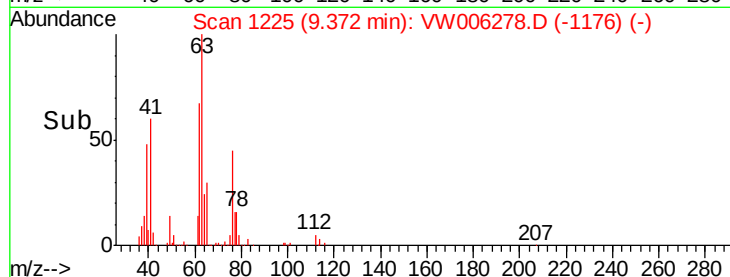
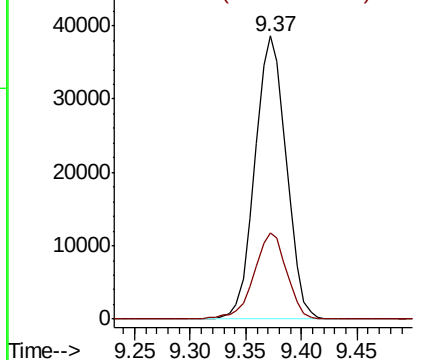
sam

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 63.036 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

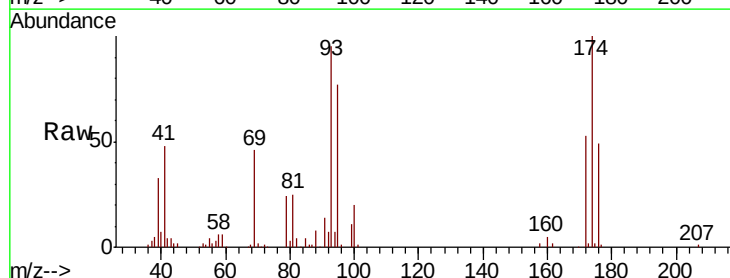
Tgt Ion: 93 Resp: 46587

Ion Ratio Lower Upper

93 100

95 82.7 67.7 101.5

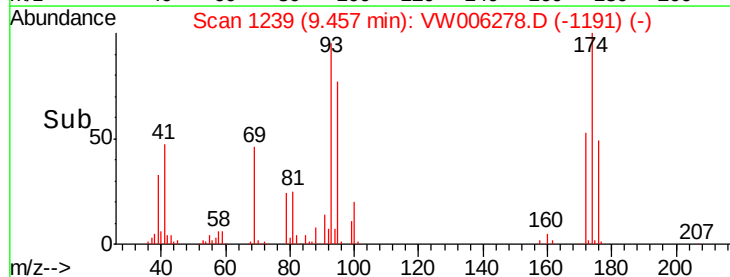
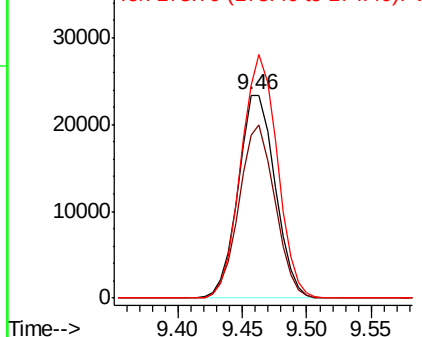
174 117.3 93.7 140.5

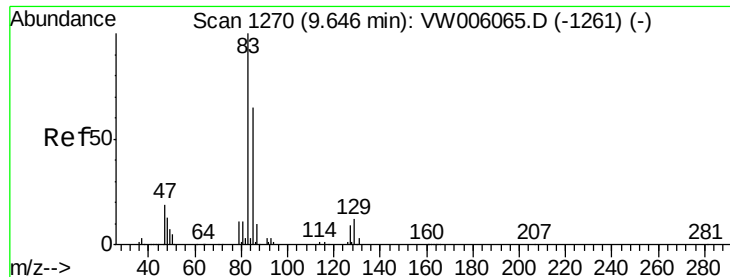


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





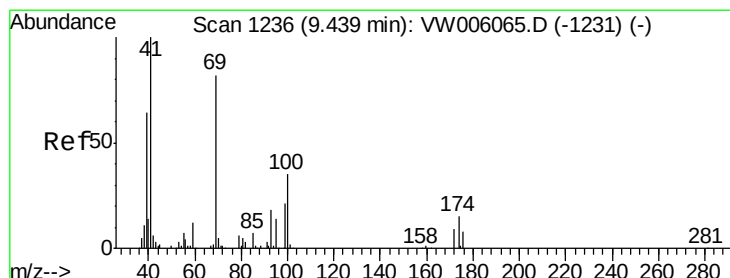
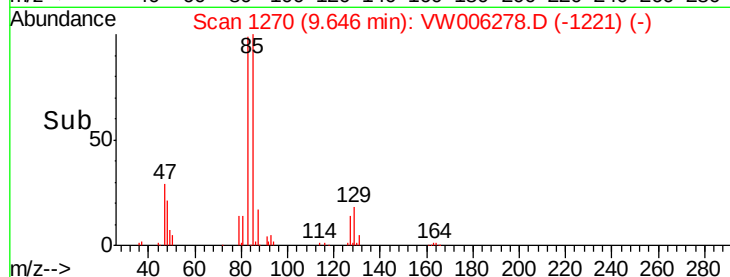
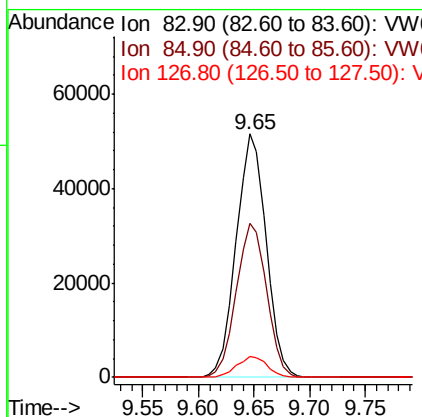
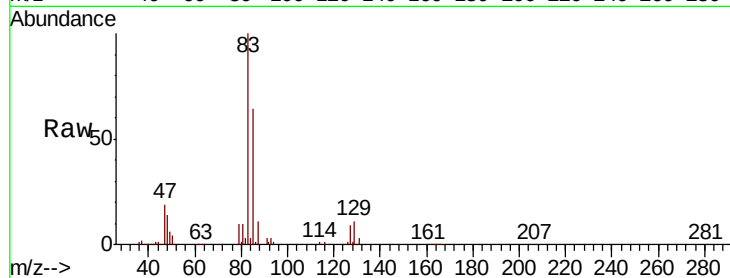
#47
Bromodichloromethane
Concen: 53.710 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.8
127	8.8	6.9	10.3

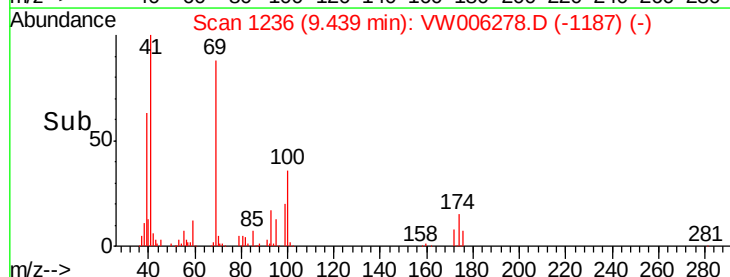
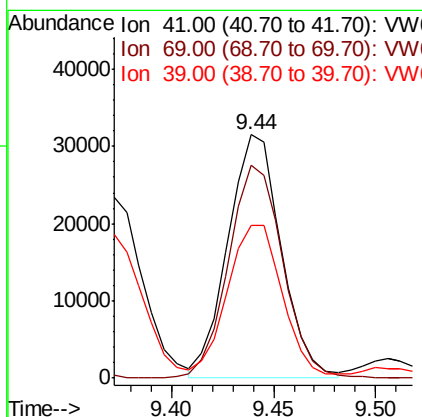
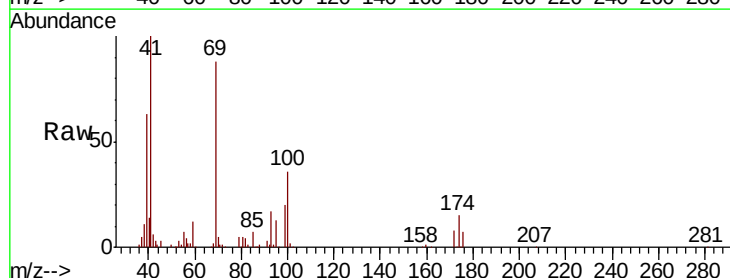
Manual Integrations
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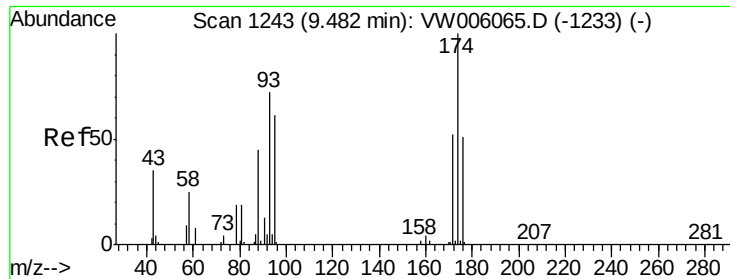
sam
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#48
Methyl methacrylate
Concen: 80.357 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.8	71.8	107.8
39	65.5	52.5	78.7





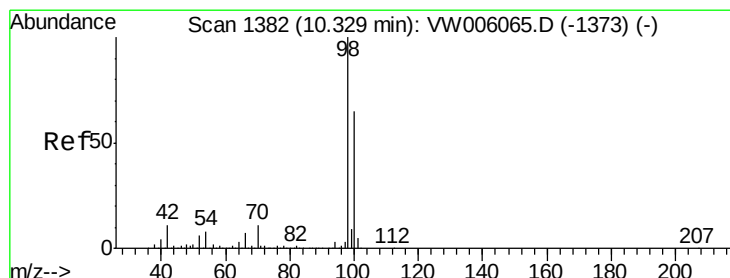
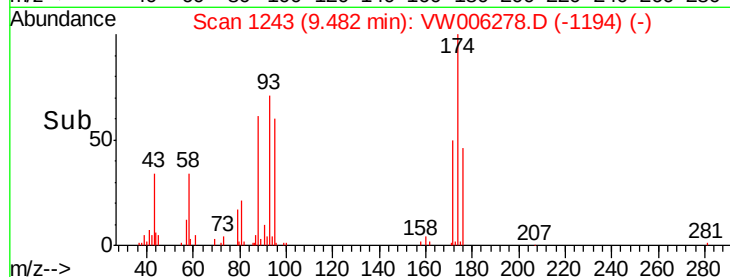
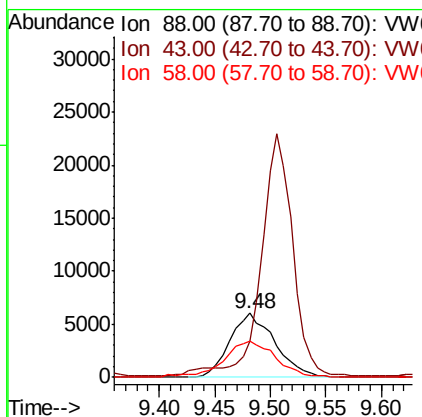
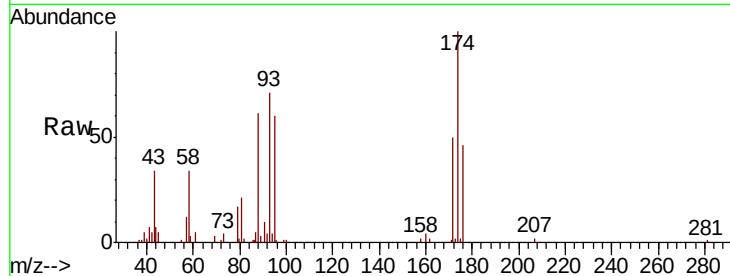
#49
1,4-Dioxane
Concen: 1497.153 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	88	Resp	17034
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	65.2	51.2	76.8

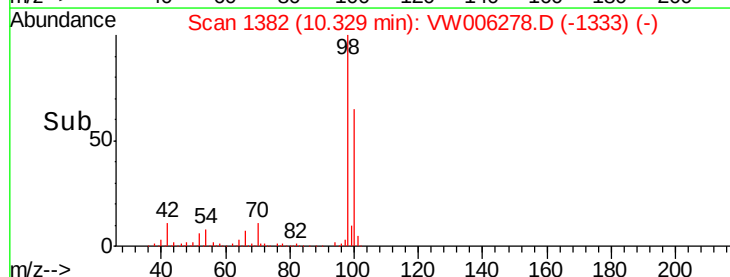
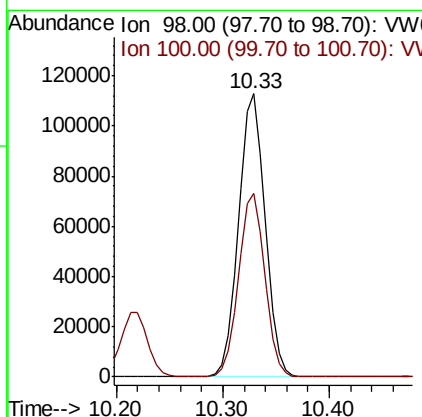
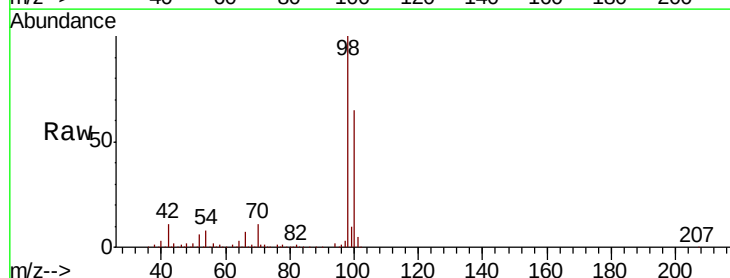
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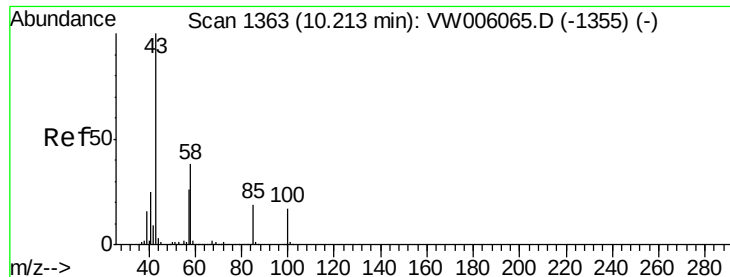
sam
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#50
Toluene-d8
Concen: 41.088 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	98	Resp	197971
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 340.537 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion: 43 Resp: 256053

Ion Ratio Lower Upper

43 100

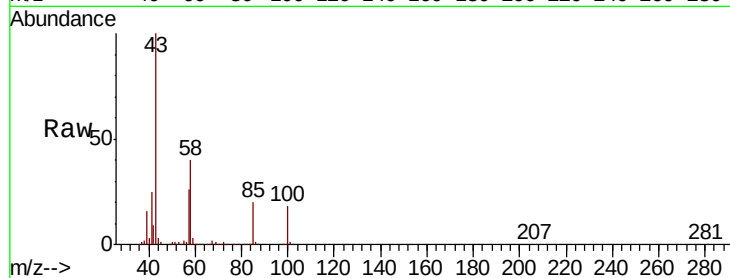
58 40.3 31.5 47.3

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

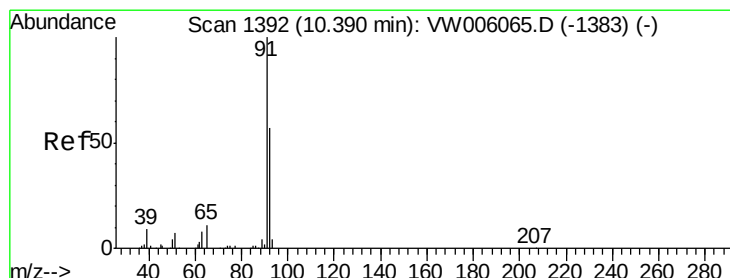
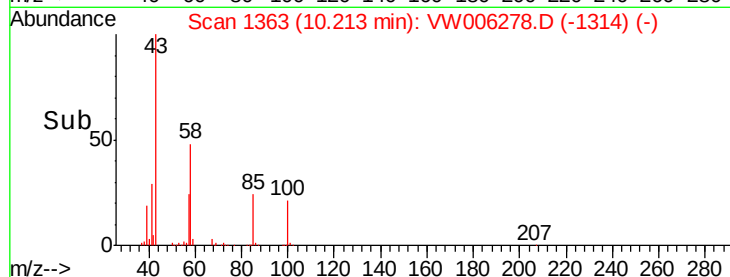
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 43.479 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006278.D

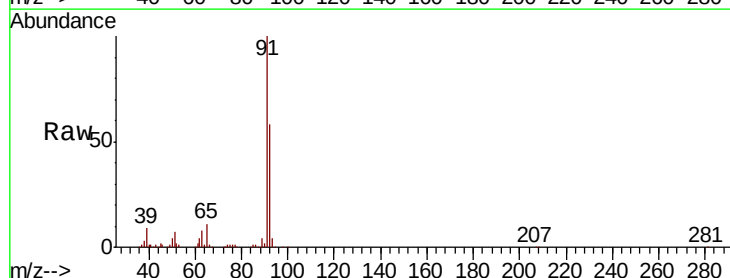
Acq: 23 Oct 2018 04:55

Tgt Ion: 92 Resp: 157956

Ion Ratio Lower Upper

92 100

91 174.7 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

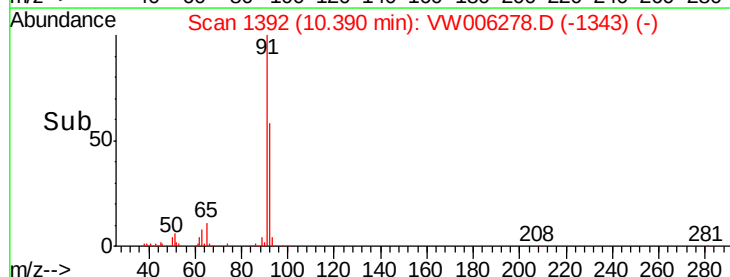
150000

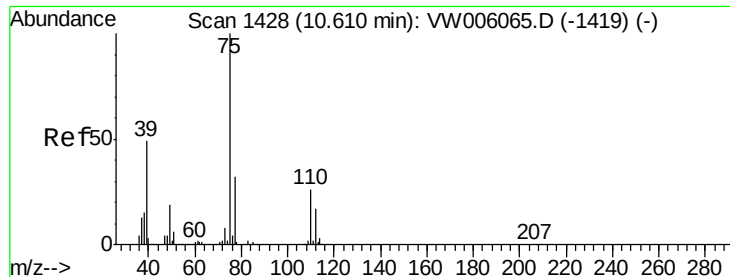
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.231 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion: 75 Resp: 87889

Ion Ratio Lower Upper

75 100

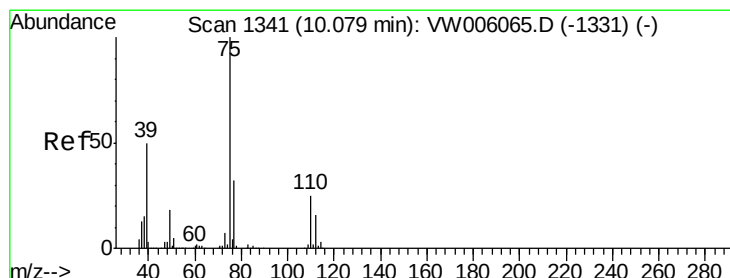
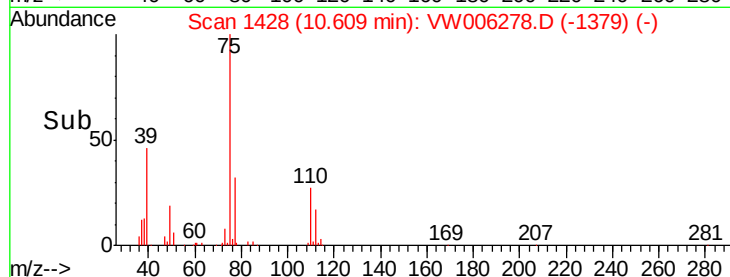
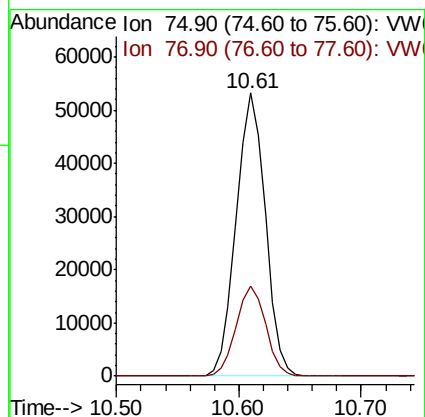
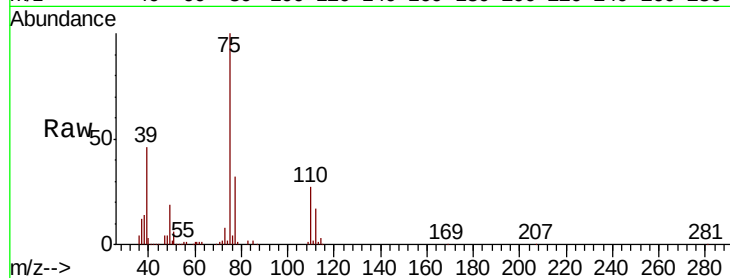
77 31.8 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.550 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

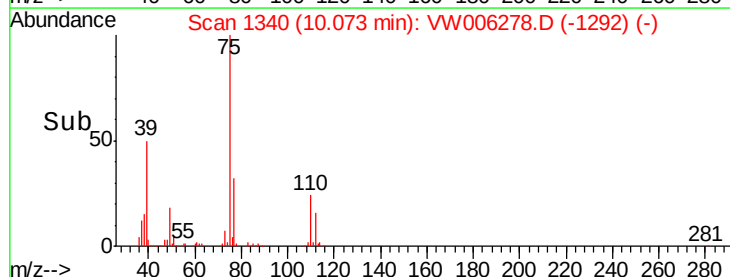
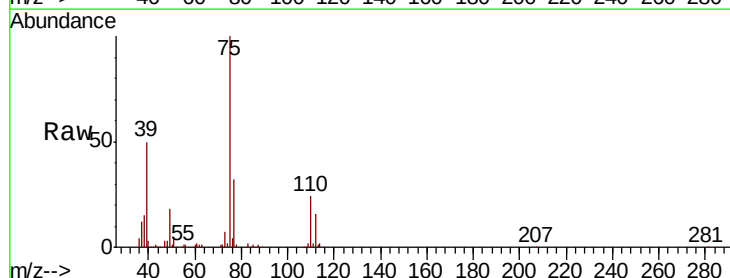
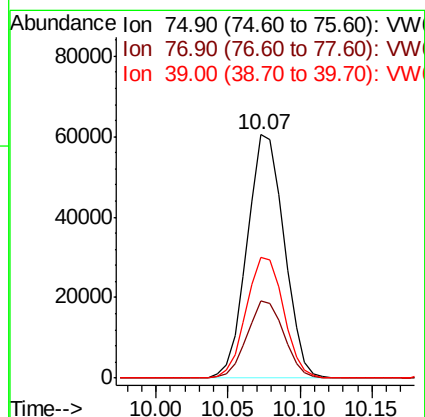
Tgt Ion: 75 Resp: 107669

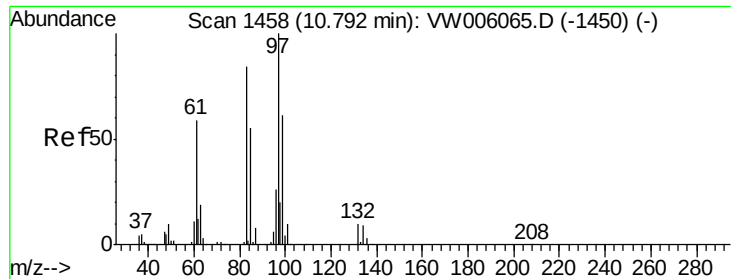
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 49.7 39.9 59.9





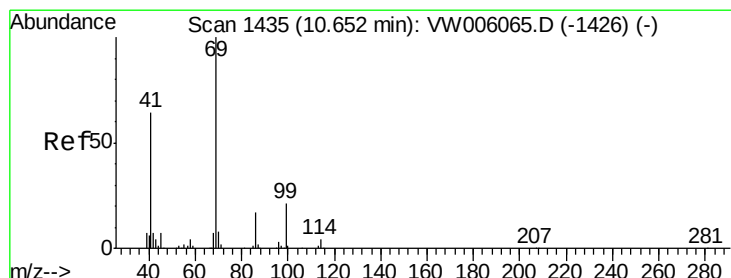
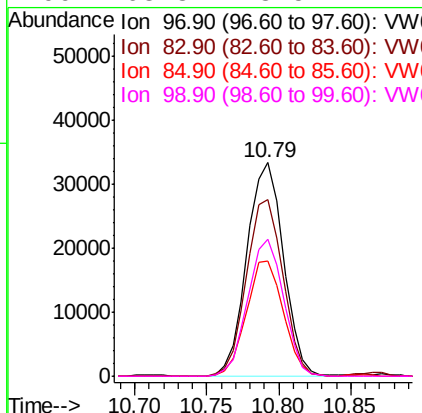
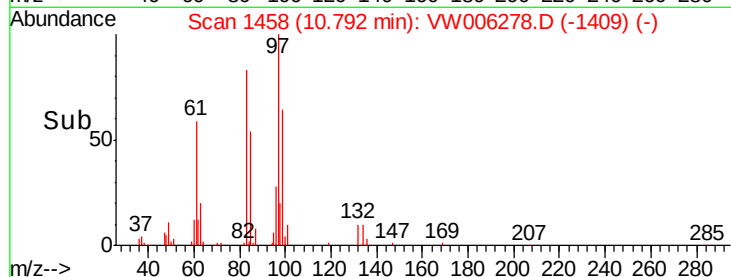
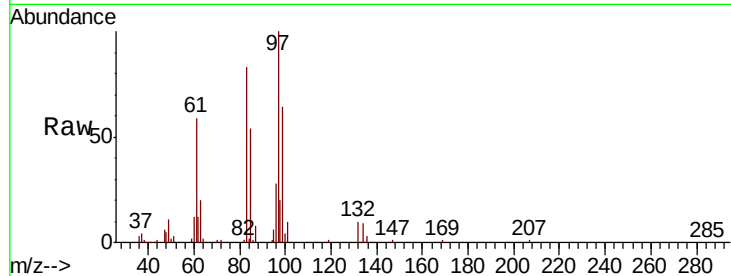
#55
 1,1,2-Trichloroethane
 Concen: 56.668 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

Tot Ion:	97	Resp:	58608
Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.2	100.8
85	53.8	43.7	65.5
99	63.8	48.5	72.7

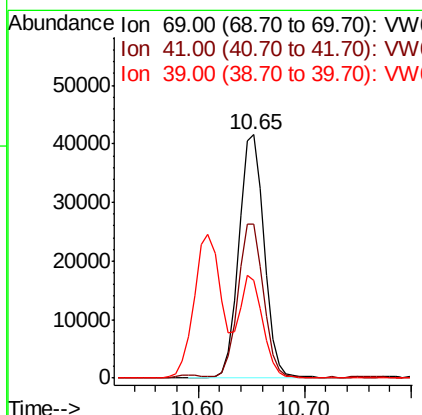
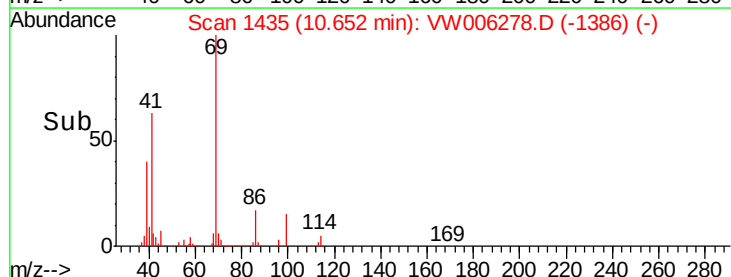
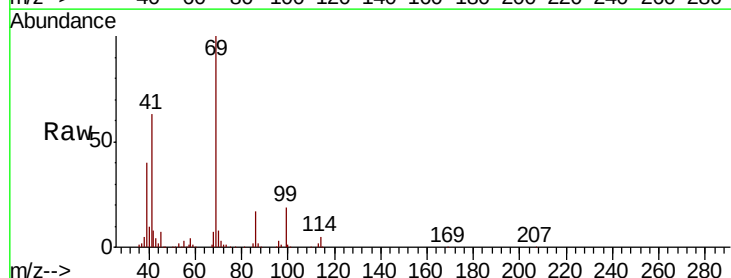
Manual Integrations
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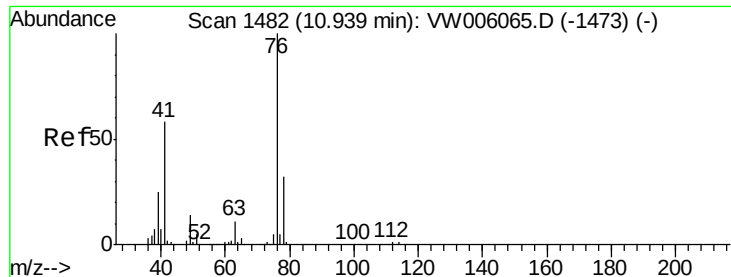
sam
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#56
 Ethyl methacrylate
 Concen: 54.982 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Tgt Ion:	69	Resp:	69712
Ion	Ratio	Lower	Upper
69	100		
41	63.2	52.8	79.2
39	39.6	30.6	45.8





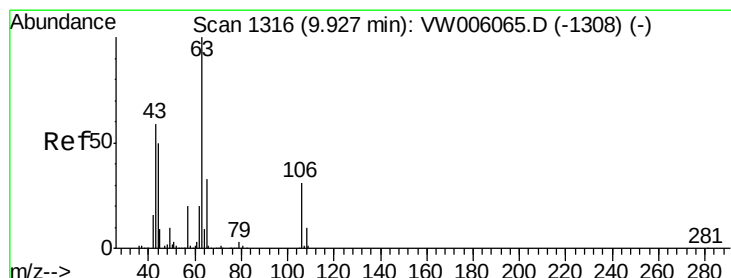
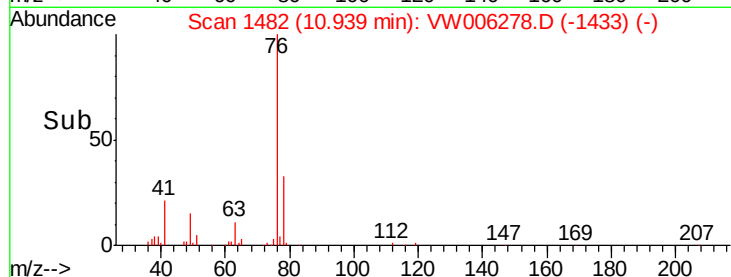
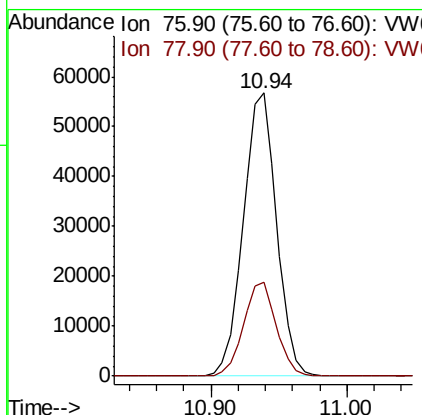
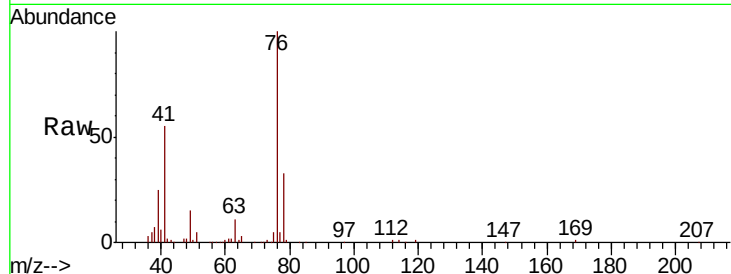
#57
 1,3-Dichloropropane
 Concen: 56.650 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

Tot Ion: 76 Resp: 96989
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9

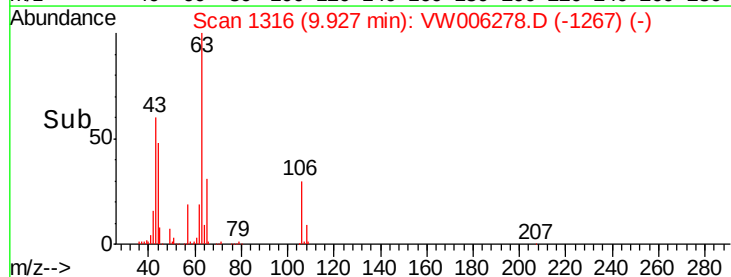
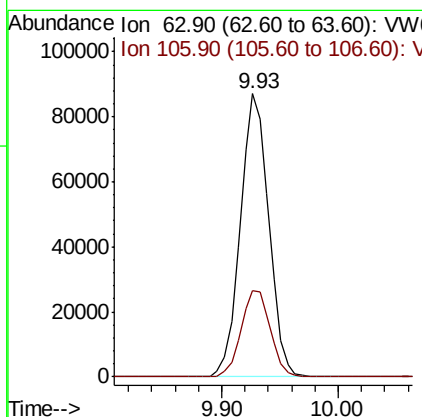
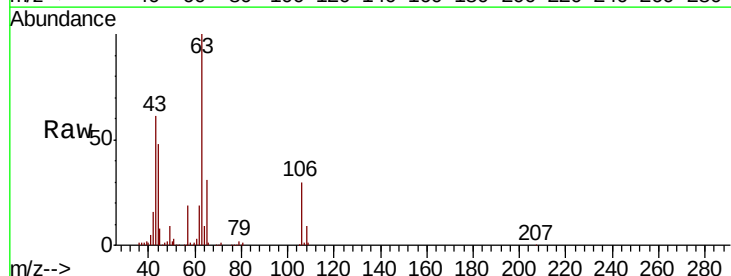
Manual Integrations
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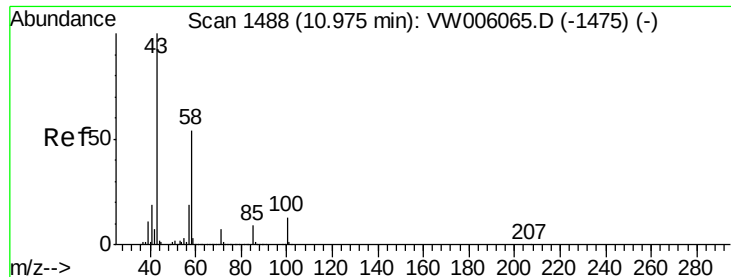
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 305.439 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Tgt Ion: 63 Resp: 147977
 Ion Ratio Lower Upper
 63 100
 106 31.4 24.5 36.7





#59

2-Hexanone

Concen: 324.979 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion: 43 Resp: 174429

Ion Ratio Lower Upper

43 100

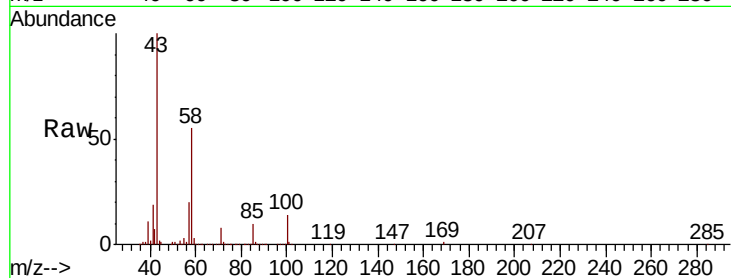
58 54.7 26.9 80.6

Manual Integrations

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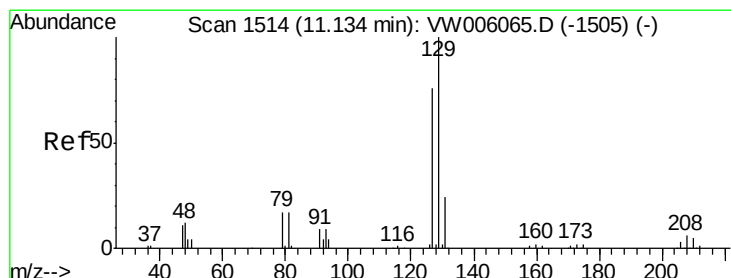
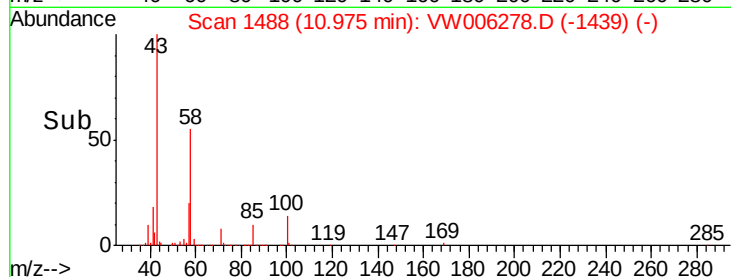
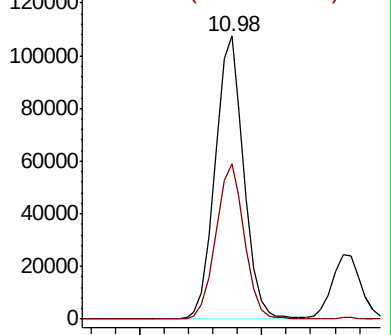
sam

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 46.000 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VW006278.D

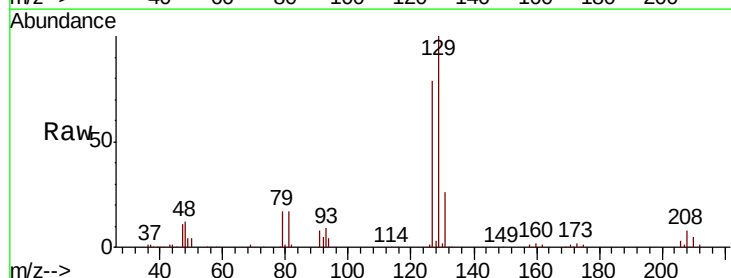
Acq: 23 Oct 2018 04:55

Tgt Ion: 129 Resp: 59259

Ion Ratio Lower Upper

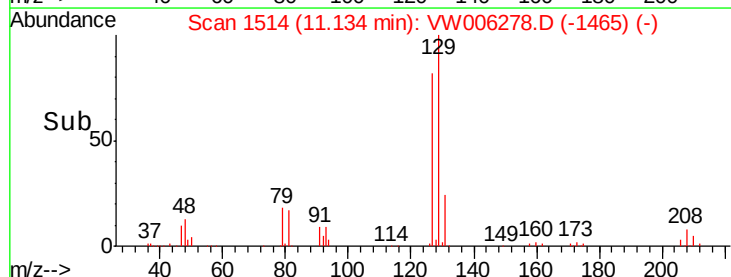
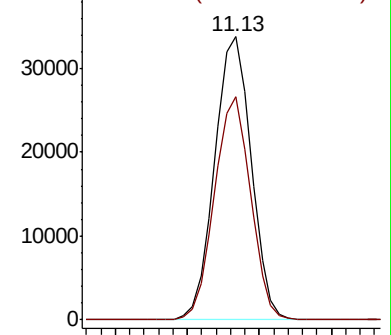
129 100

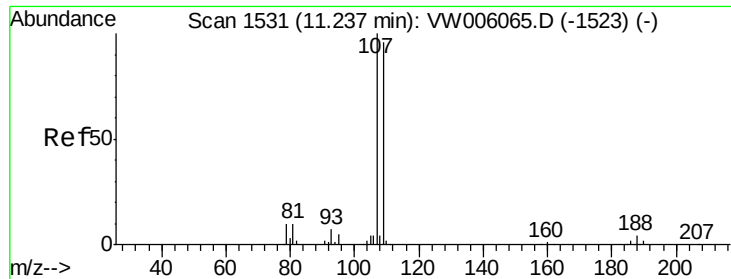
127 78.0 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





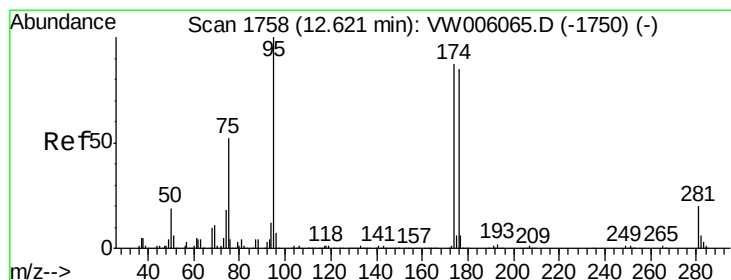
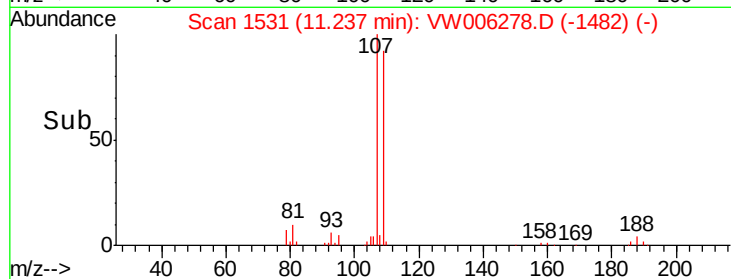
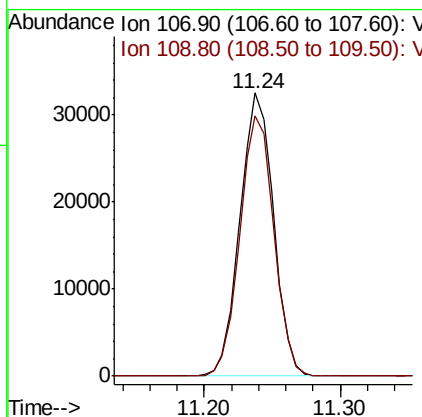
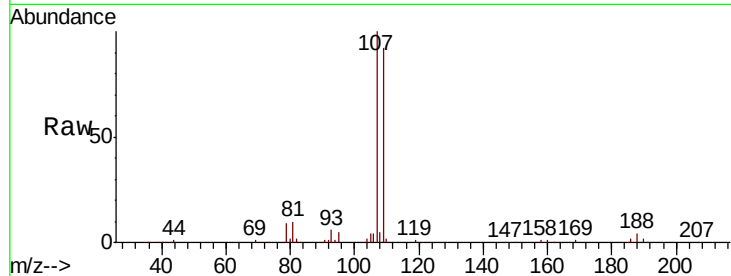
#61
 1,2-Dibromoethane
 Concen: 54.224 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.3	114.5

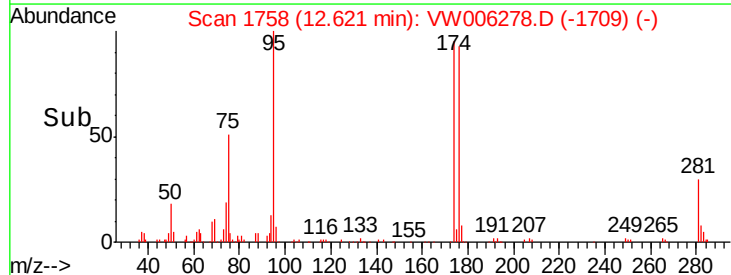
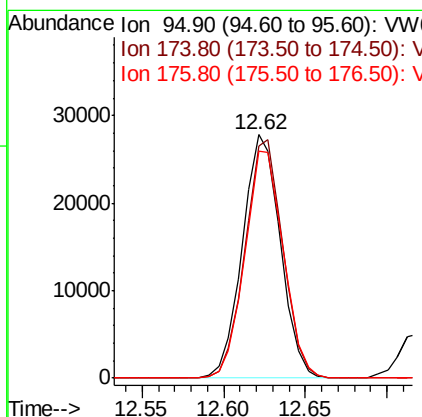
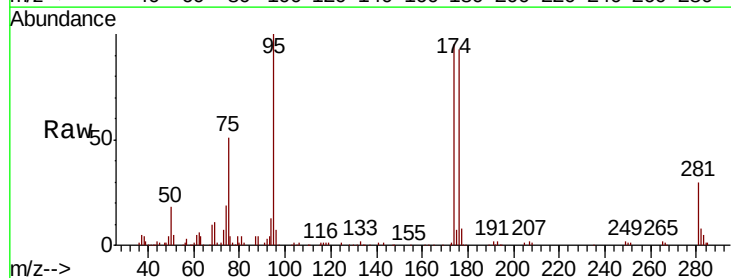
Manual Integrations
 APPROVED

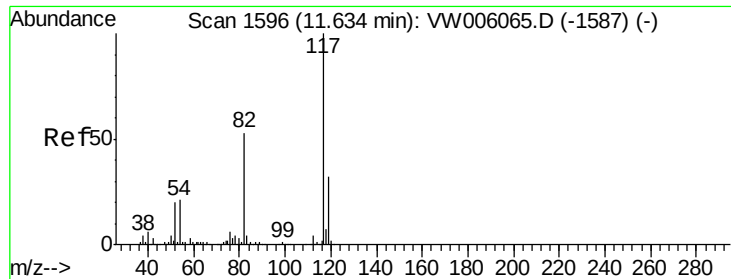
sam
 10/24/2018 5:33:35 PM



#62
 4-Bromofluorobenzene
 Concen: 24.890 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.5	0.0	186.0
176	94.9	0.0	181.6





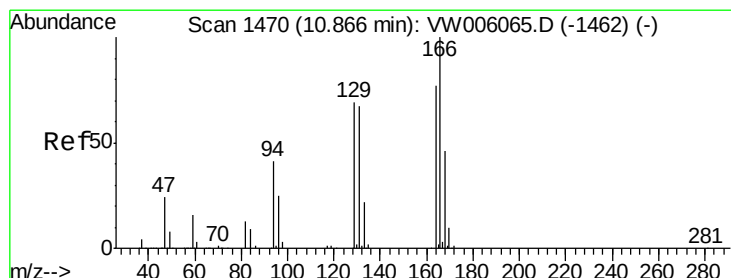
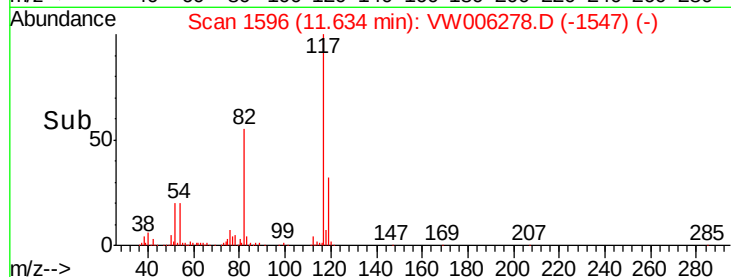
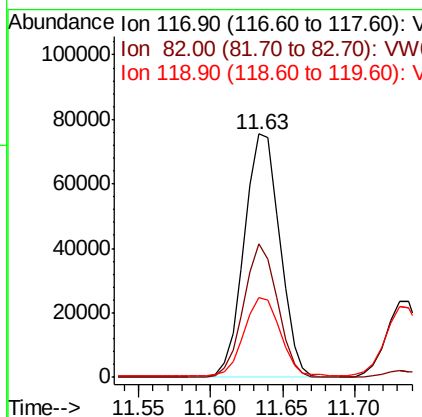
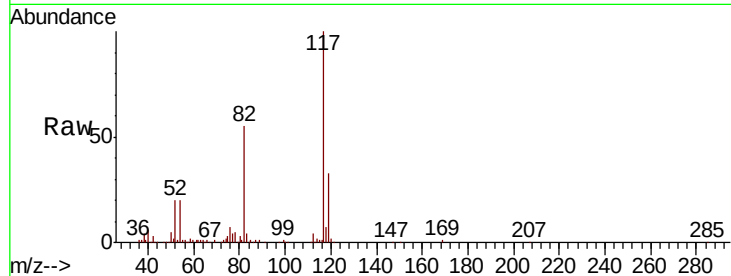
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.1	63.1
119	32.0	25.8	38.6

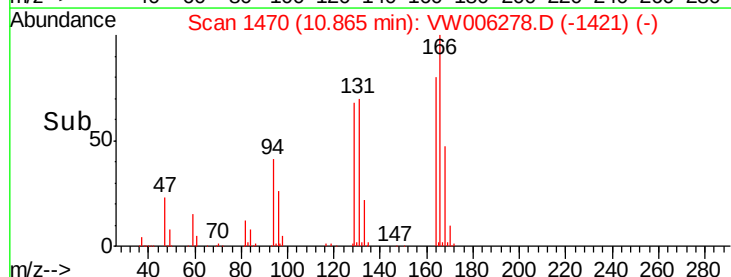
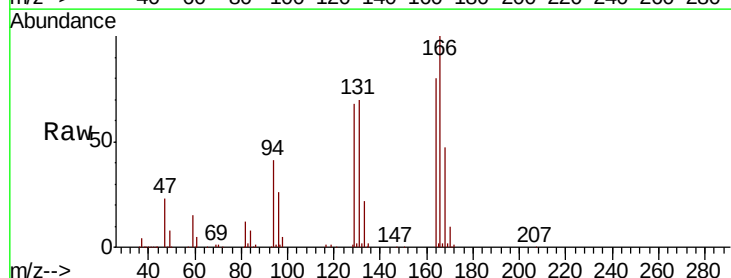
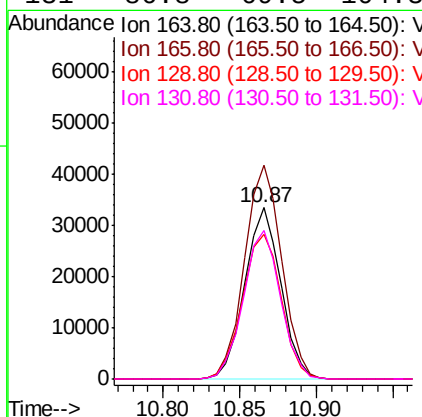
Manual Integrations
APPROVED

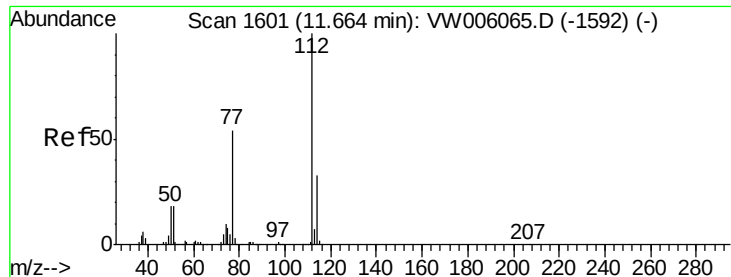
sam
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#64
Tetrachloroethene
Concen: 54.422 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	103.4	155.0
129	84.8	71.8	107.8
131	86.8	69.5	104.3





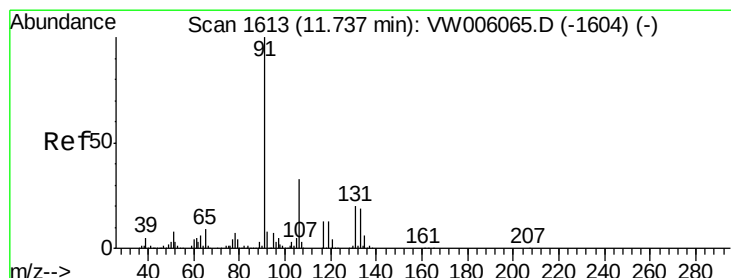
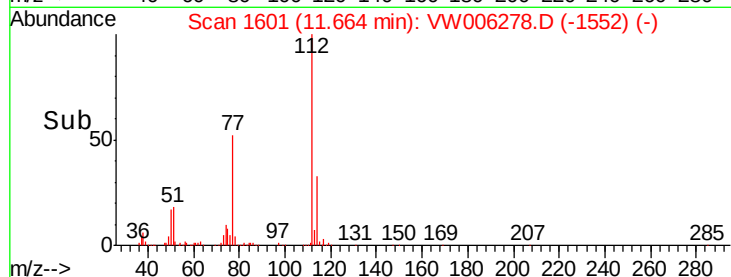
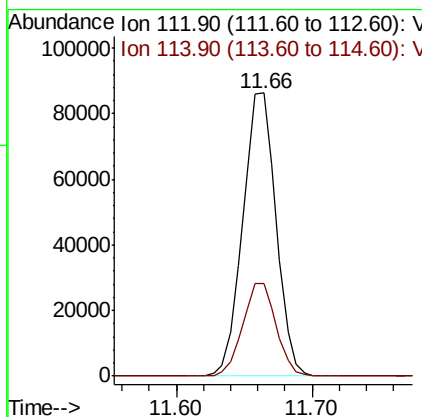
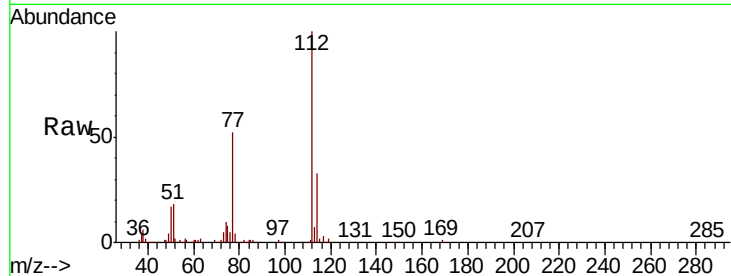
#65
Chlorobenzene
Concen: 53.324 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion:112 Resp: 147836
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.2

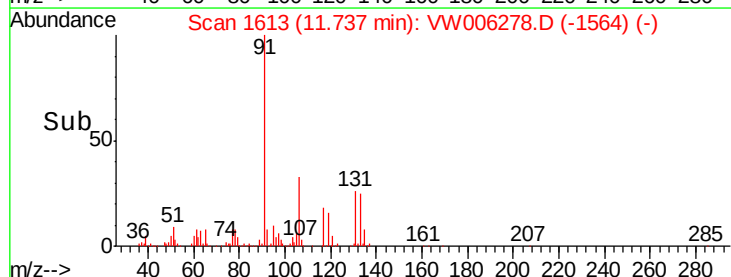
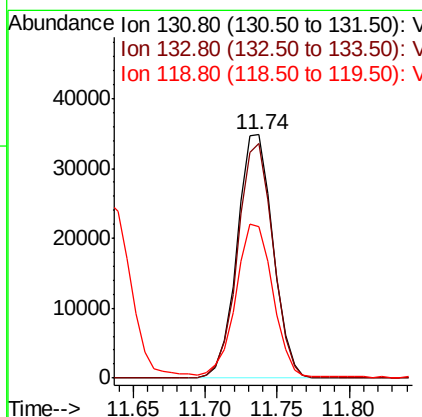
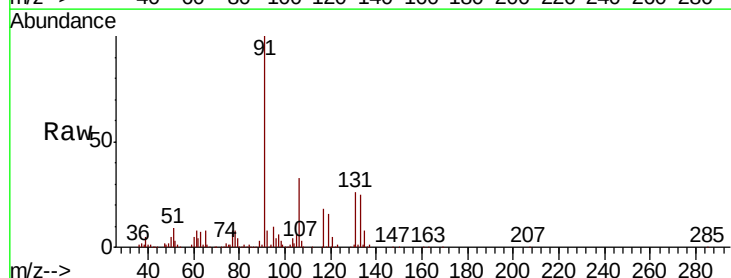
Manual Integrations
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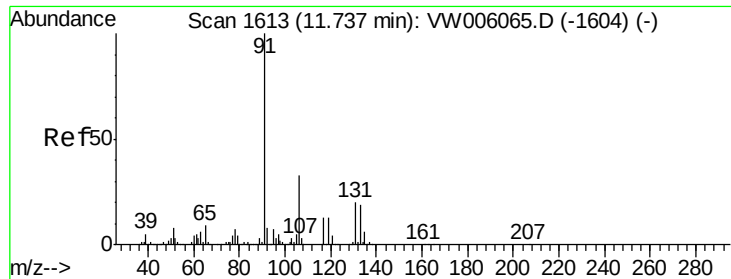
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 61.111 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion:131 Resp: 60210
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.3
119 64.7 31.6 94.7





#67

Ethyl Benzene

Concen: 45.111 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion: 91 Resp: 216740

Ion Ratio Lower Upper

91 100

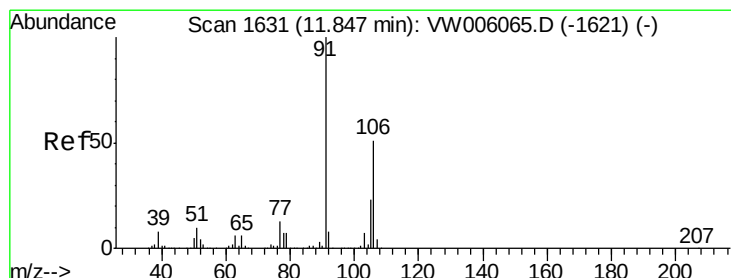
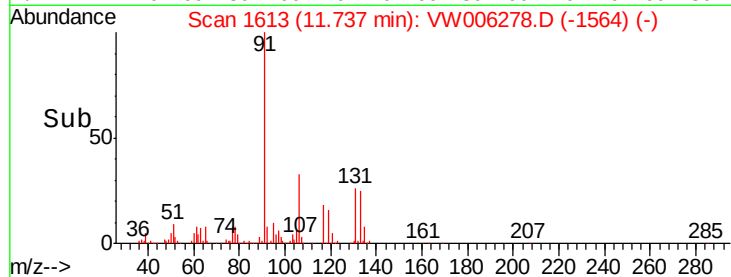
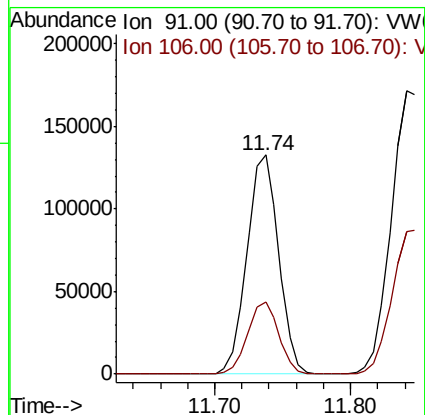
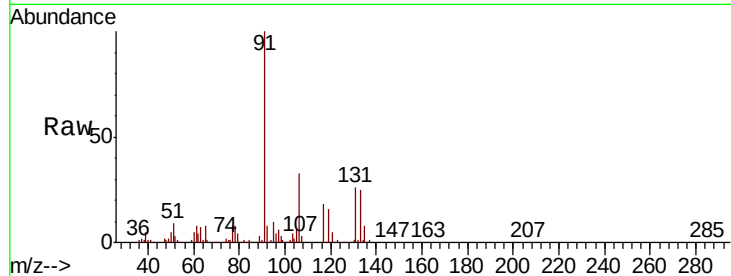
106 32.8 26.1 39.1

Manual Integrations

APPROVED

sam

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#68

m/p-Xylenes

Concen: 86.065 ug/l

RT: 11.85 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VW006278.D

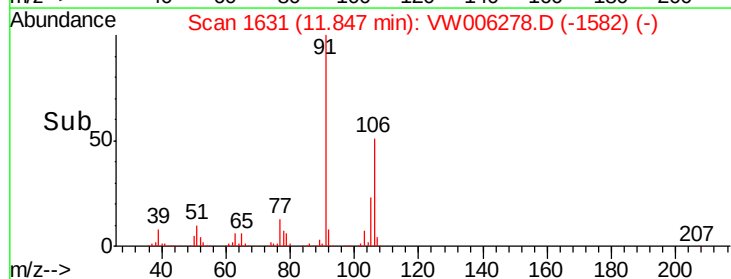
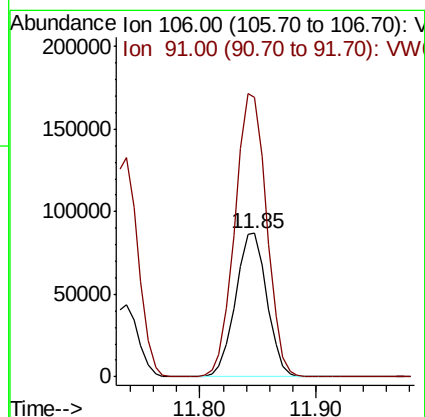
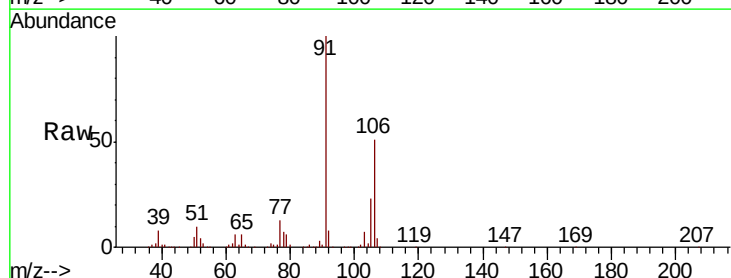
Acq: 23 Oct 2018 04:55

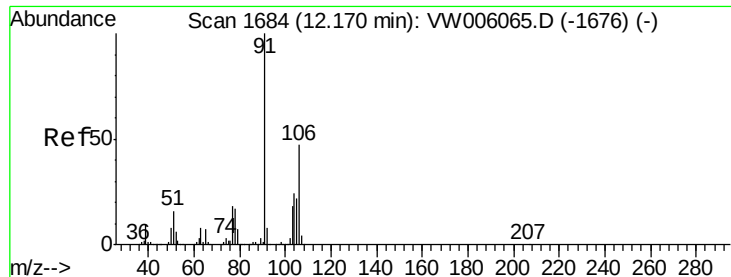
Tgt Ion: 106 Resp: 163441

Ion Ratio Lower Upper

106 100

91 199.7 159.1 238.7





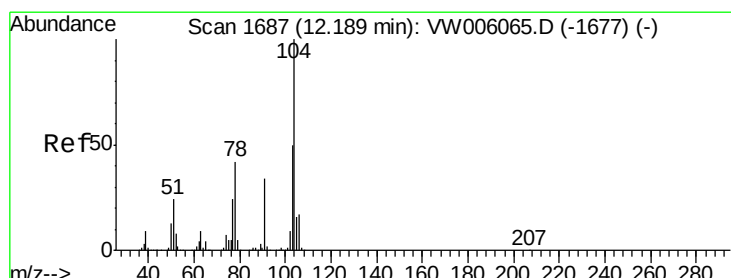
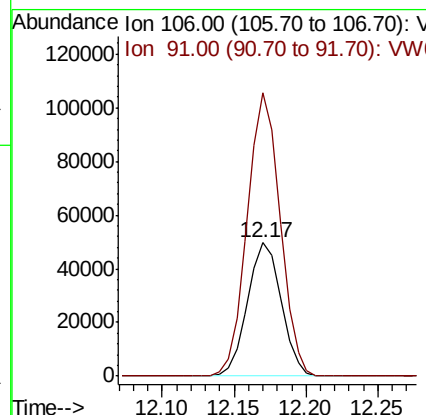
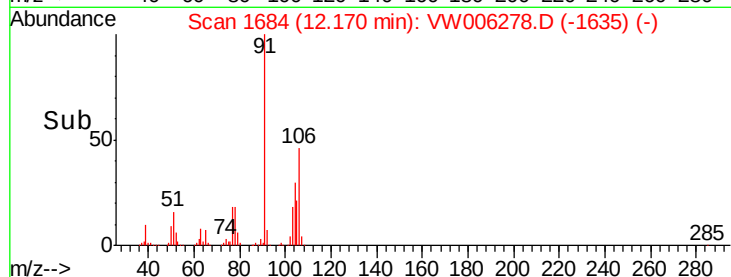
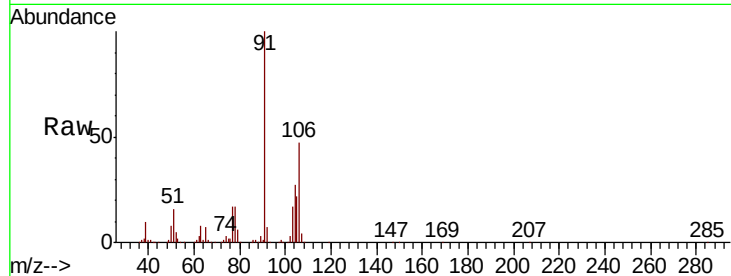
#69
o-Xylene
Concen: 44.367 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion:106 Resp: 80298
Ion Ratio Lower Upper
106 100
91 208.2 105.4 316.1

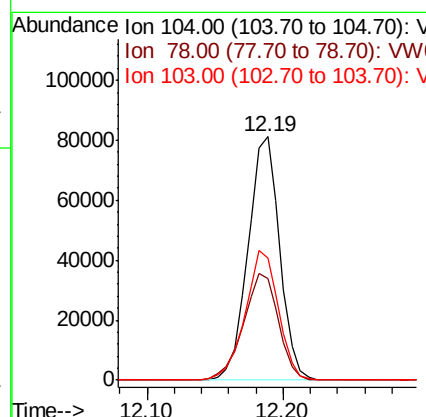
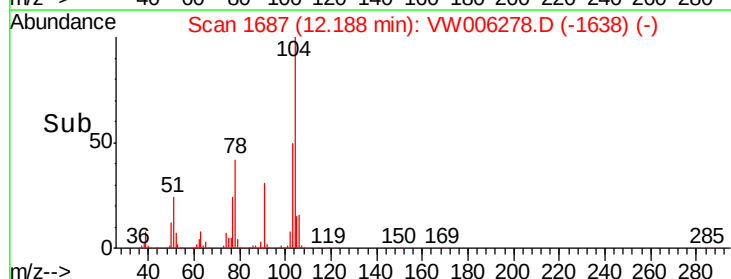
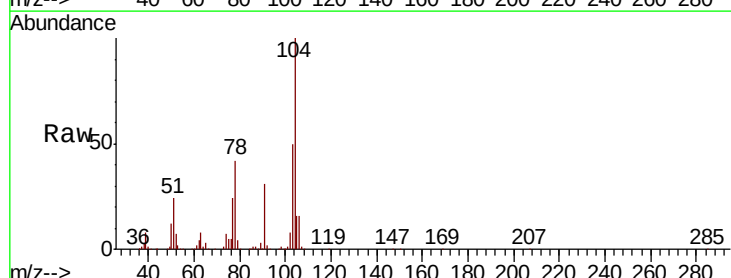
Manual Integrations
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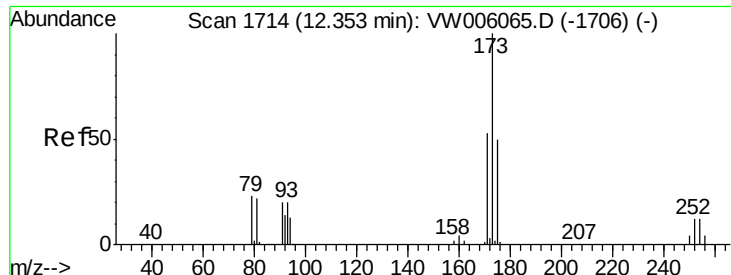
sam
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#70
Styrene
Concen: 44.944 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion:104 Resp: 132274
Ion Ratio Lower Upper
104 100
78 48.4 39.1 58.7
103 55.9 44.3 66.5





#71

Bromoform

Concen: 57.566 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

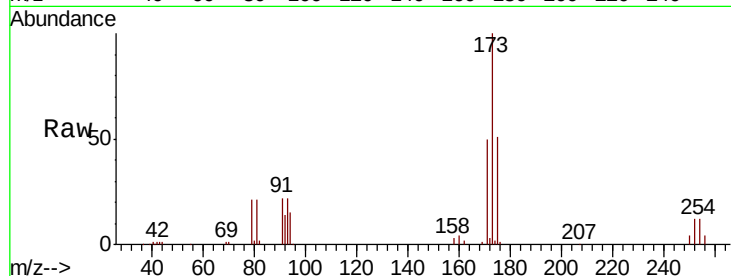
ClientSampleId :

PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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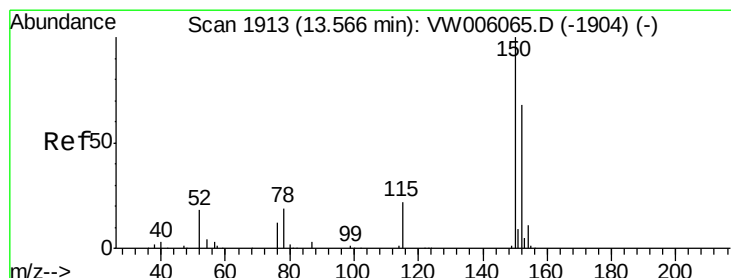
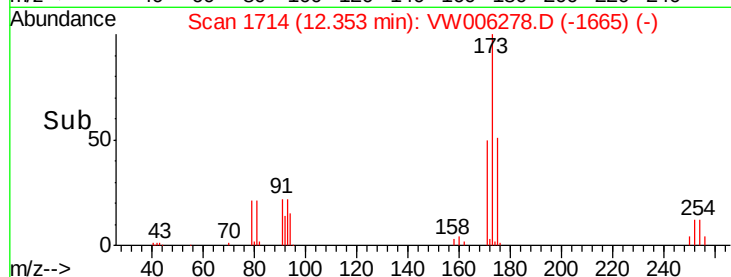
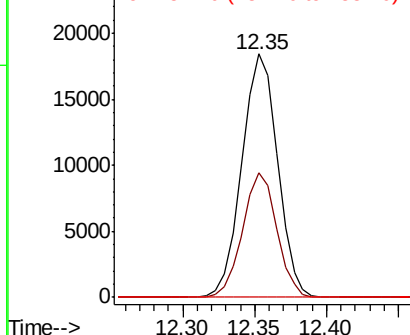


Abundance

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: VW006278.D

Acq: 23 Oct 2018 04:55

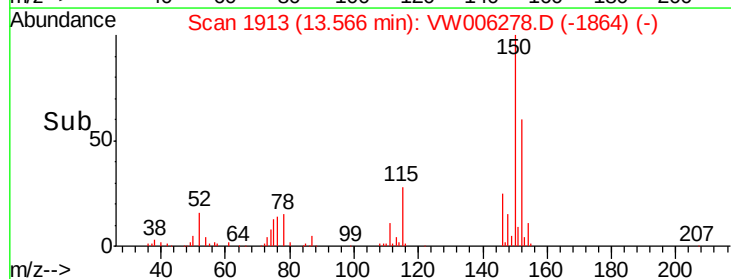
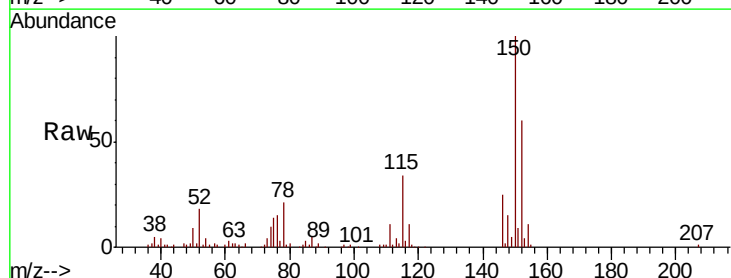
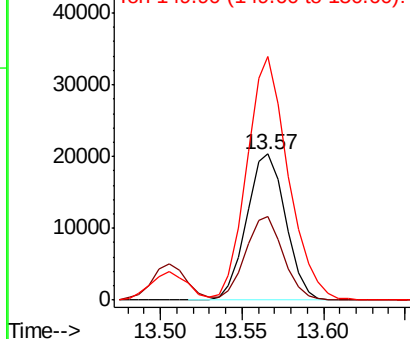
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.8	83.3
150	177.0	0.0	349.2

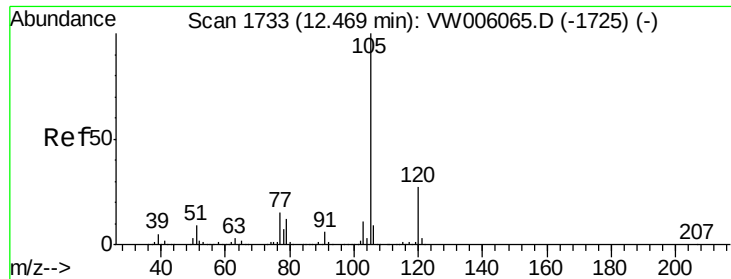
Abundance

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: 71.067 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion: 105 Resp: 169592

Ion Ratio Lower Upper

105 100

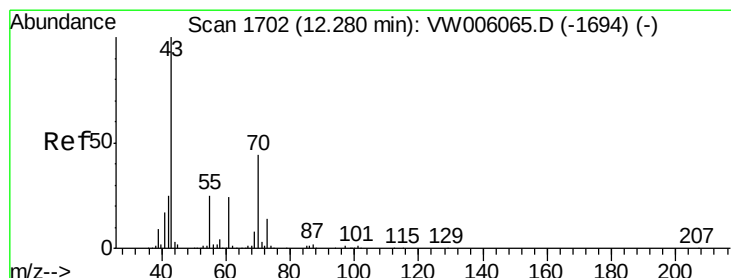
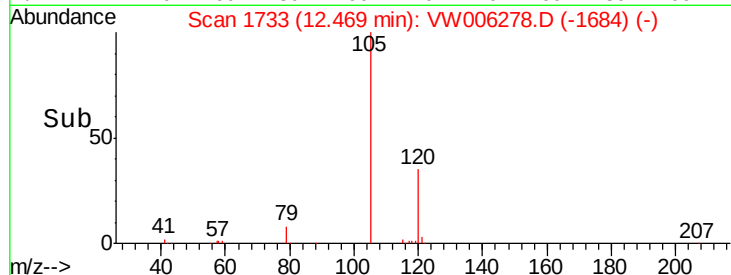
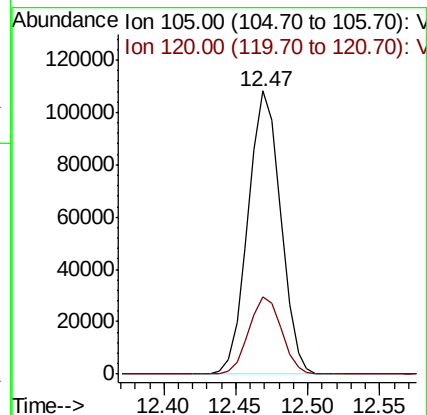
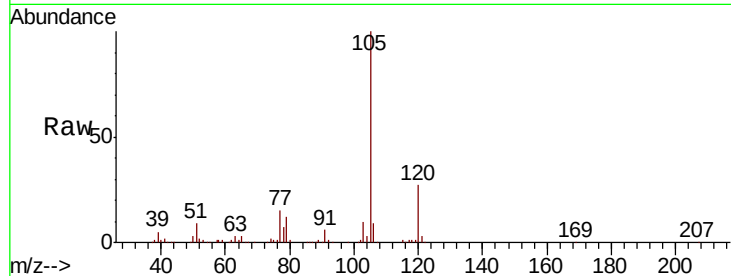
120 27.3 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 81.003 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Tgt Ion: 43 Resp: 37545

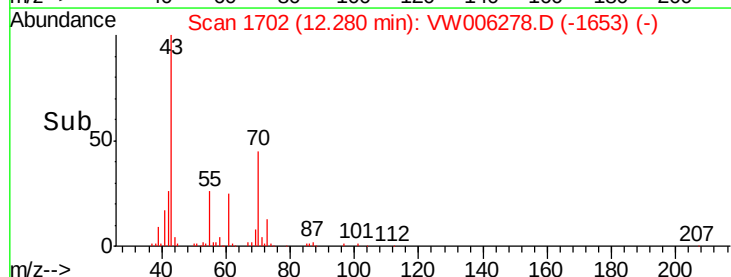
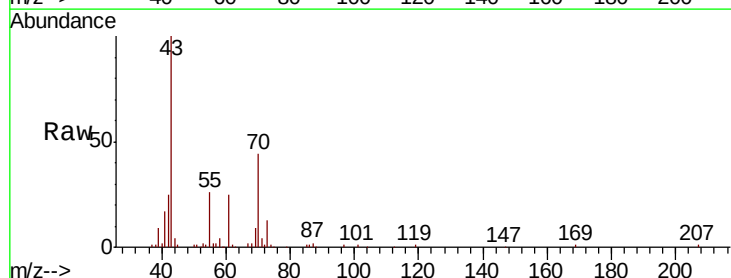
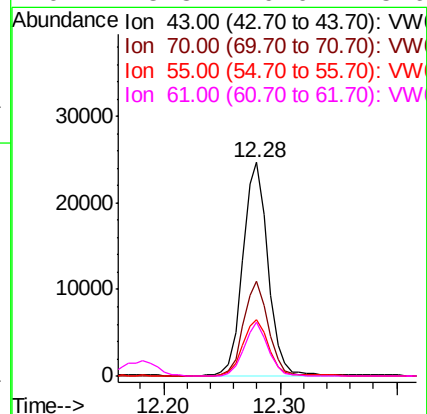
Ion Ratio Lower Upper

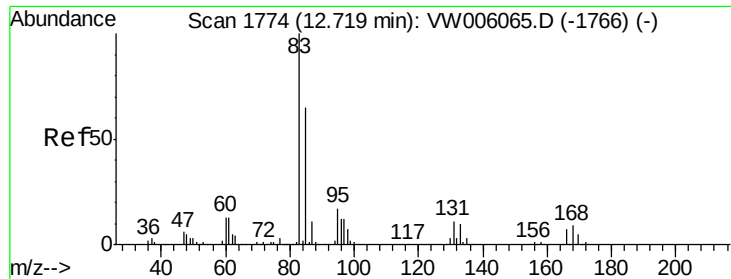
43 100

70 43.6 34.2 51.4

55 26.9 19.2 28.8

61 23.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 138.104 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

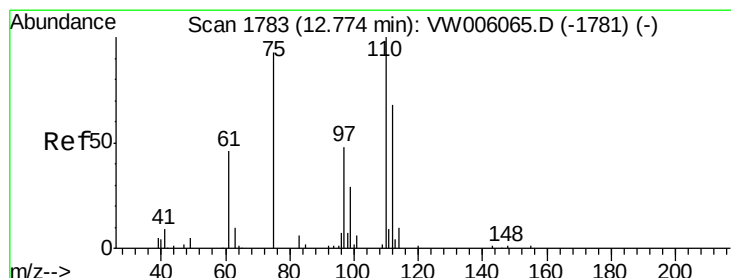
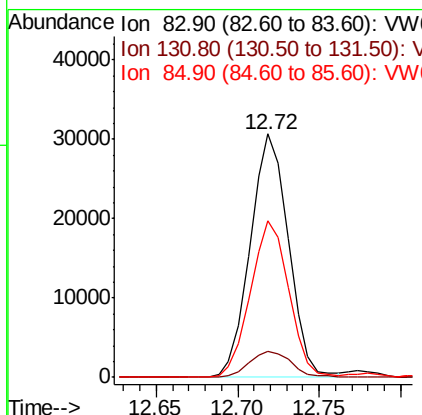
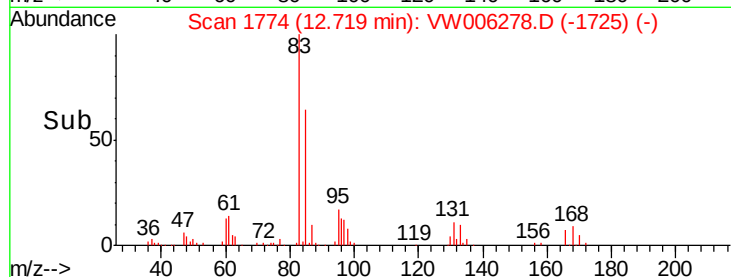
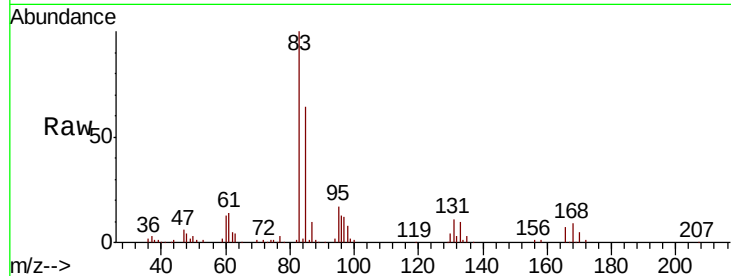
ClientSampleId :

PA-SB-01BMS

Tot Ion:	83	Resp:	50126
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.9	17.7
85	64.6	31.9	95.9

Manual Integrations
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sam
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#76

1,2,3-Trichloropropane

Concen: 142.404 ug/l m

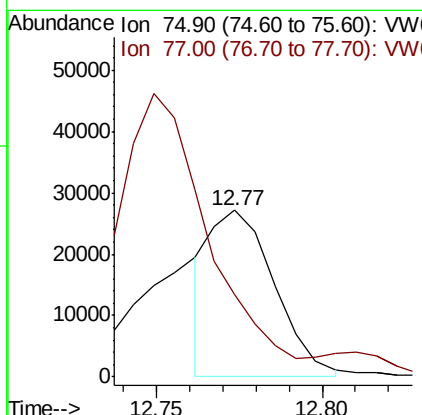
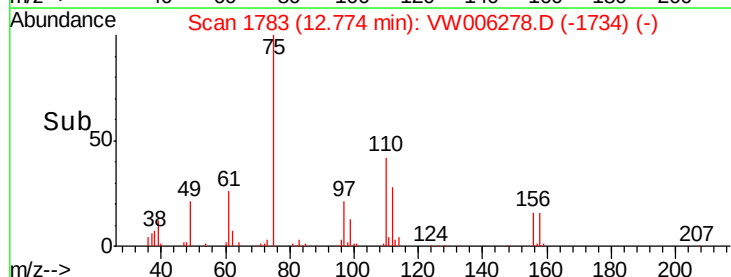
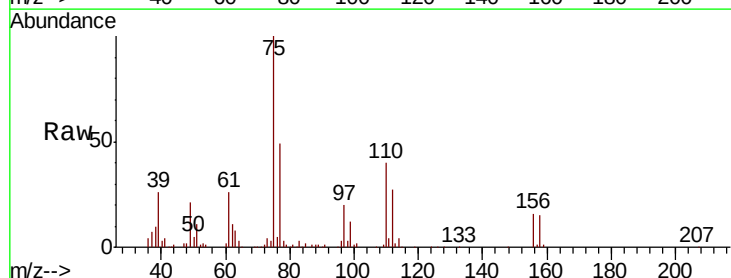
RT: 12.77 min Scan# 1783

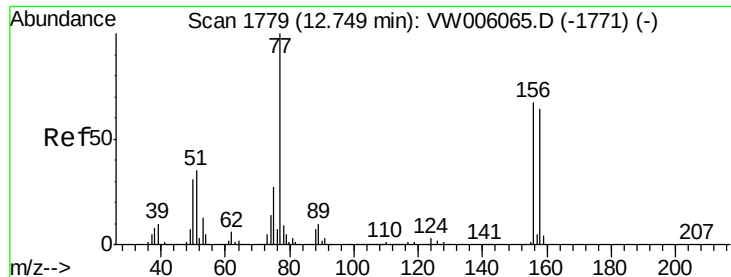
Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Tgt Ion:	75	Resp:	36741
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 88.544 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

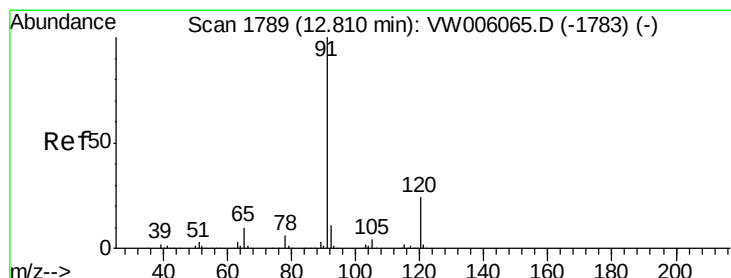
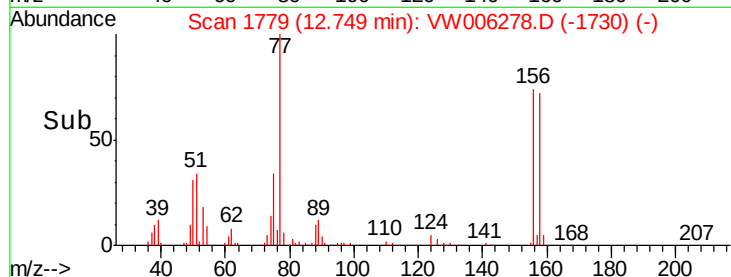
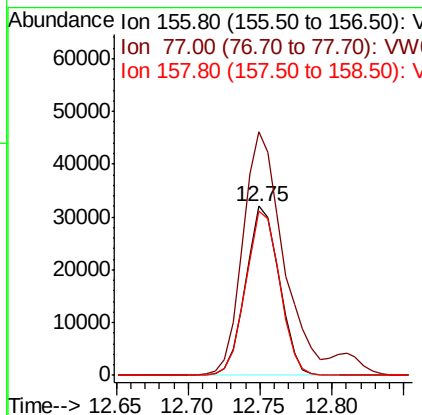
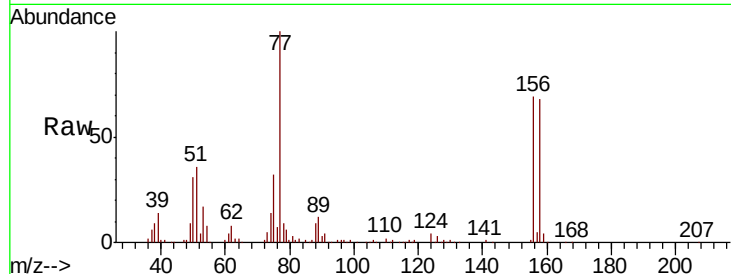
ClientSampleId :

PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.8	79.1	237.4
158	98.1	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 58.489 ug/l

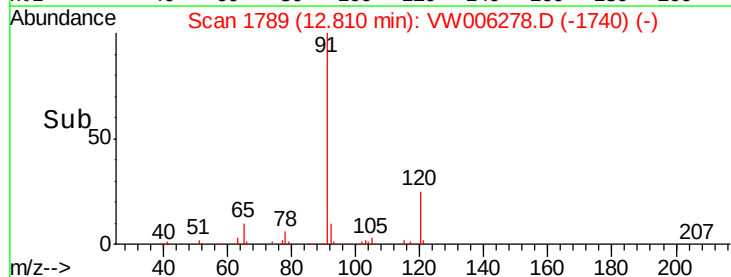
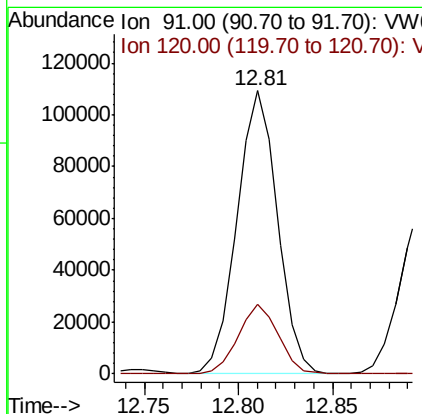
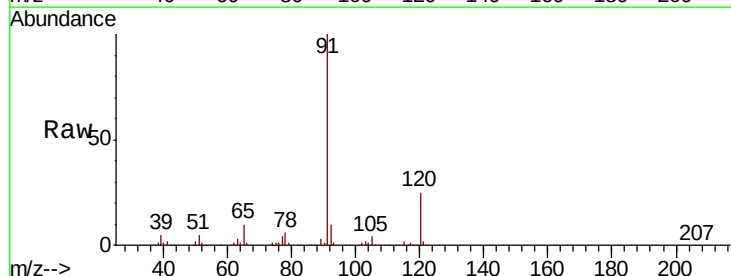
RT: 12.81 min Scan# 1789

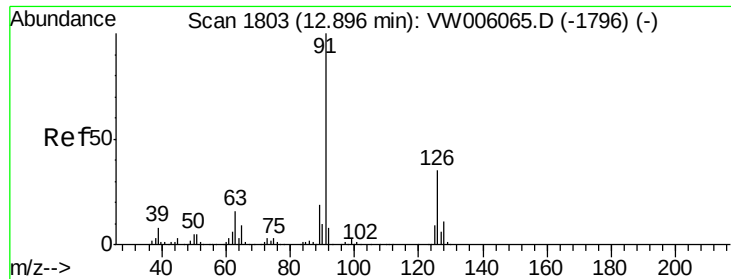
Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.2	36.6





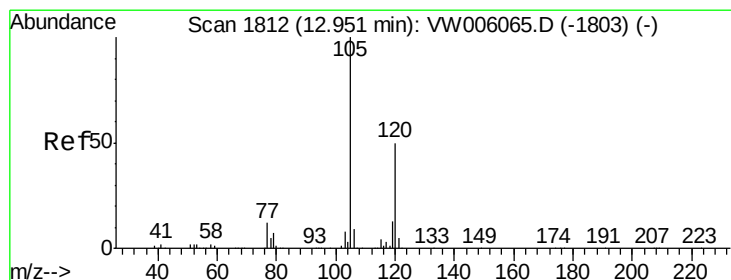
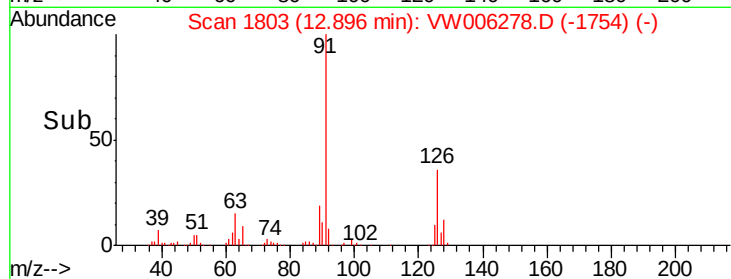
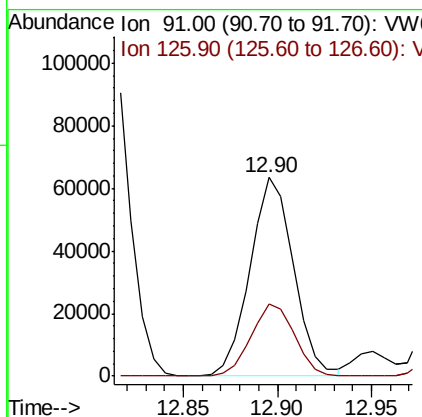
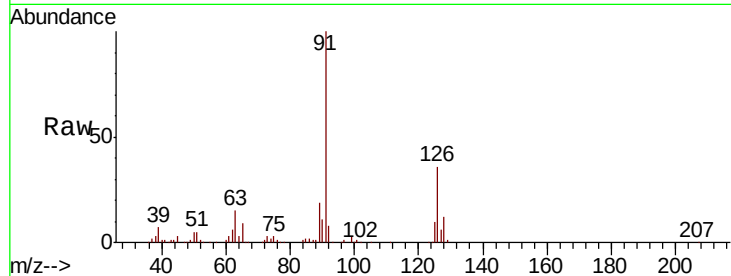
#79
 2-Chlorotoluene
 Concen: 65.065 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

Tot Ion: 91 Resp: 101496
 Ion Ratio Lower Upper
 91 100
 126 36.4 17.9 53.8

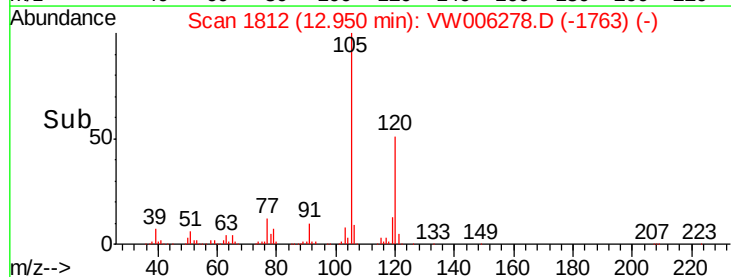
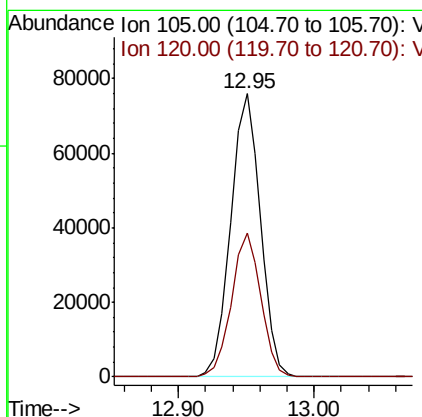
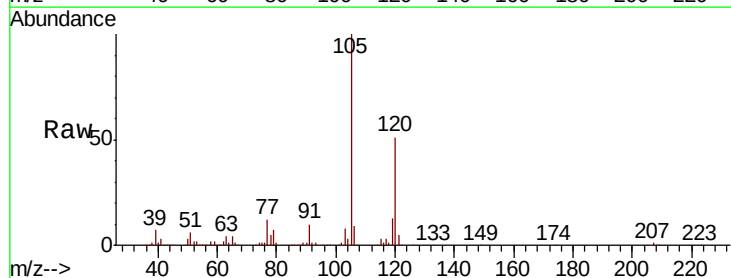
Manual Integrations
 APPROVED

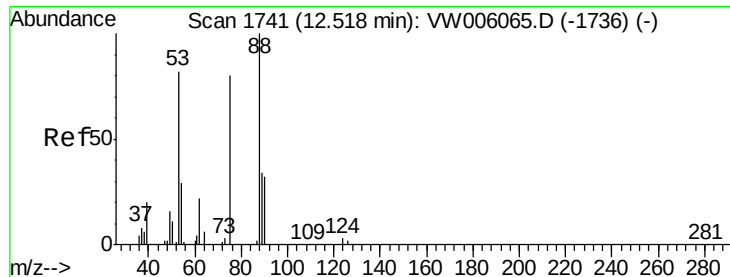
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 57.128 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Tgt Ion: 105 Resp: 114928
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.9 74.6





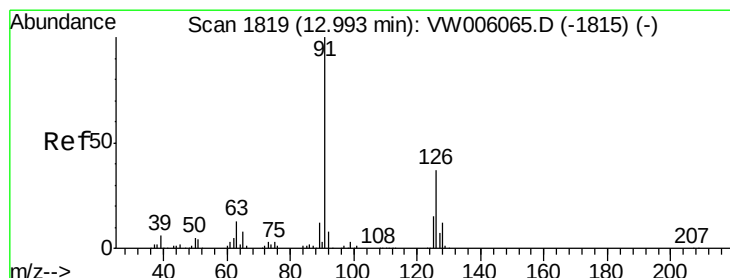
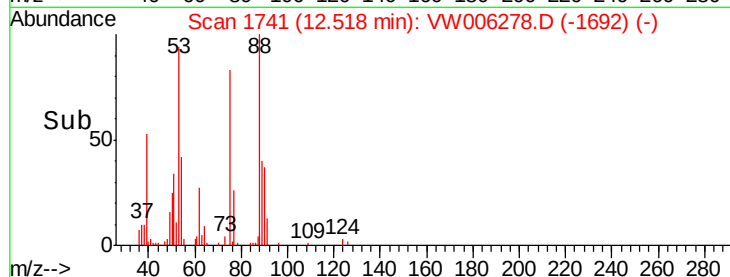
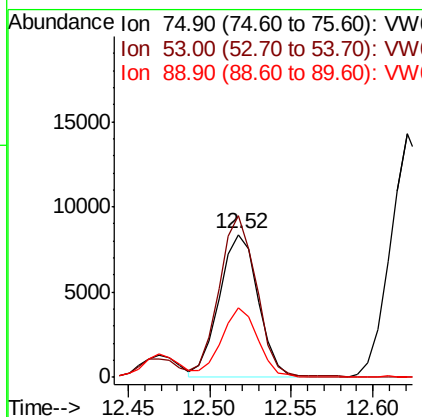
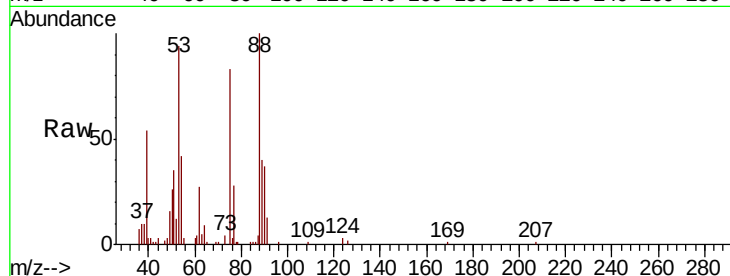
#81
trans-1,4-Dichloro-2-butene
Concen: 129.570 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.1	79.8	119.6
89	44.8	37.5	56.3

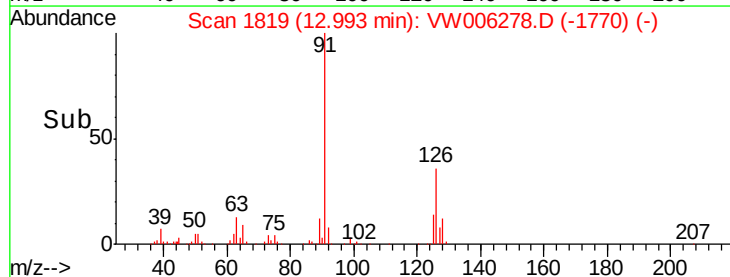
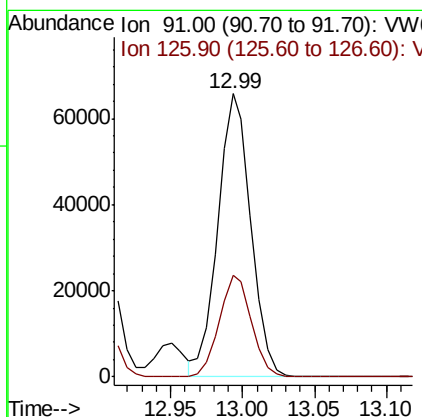
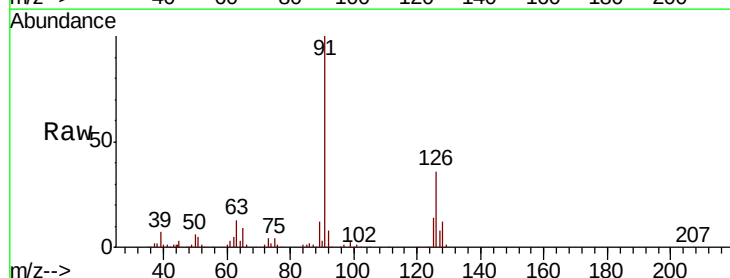
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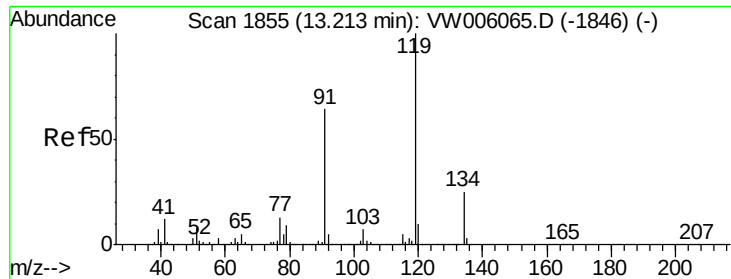
sam
10/24/2018 5:33:35 PM



#82
4-Chlorotoluene
Concen: 64.150 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	18.1	54.3





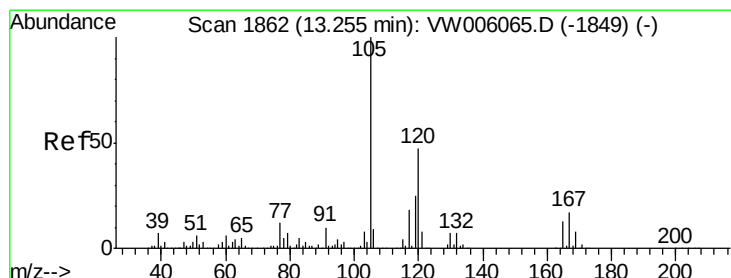
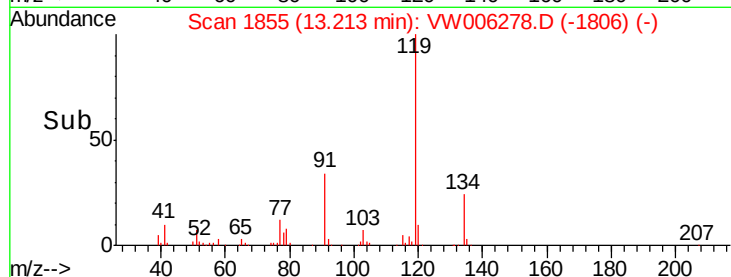
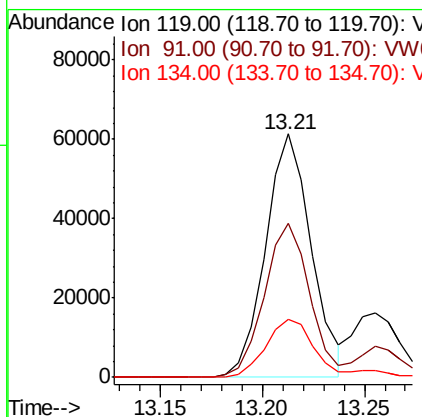
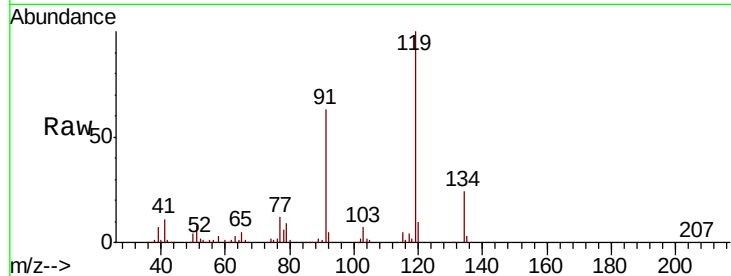
#83
tert-Butylbenzene
Concen: 53.248 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	32.3	96.9
134	25.1	13.6	40.8

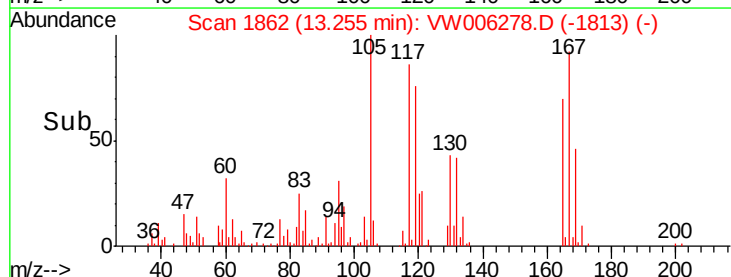
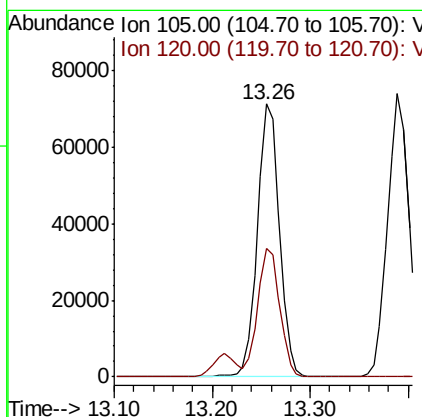
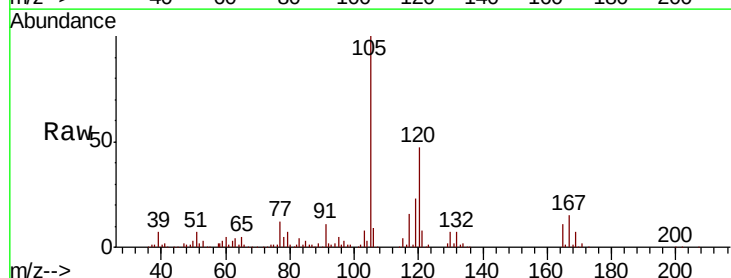
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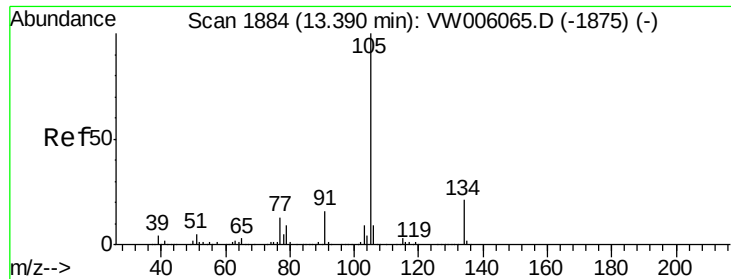
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#84
1,2,4-Trimethylbenzene
Concen: 54.916 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.1	69.3





#85

sec-Butylbenzene

Concen: 44.301 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

Tot Ion:105 Resp: 112649

Ion Ratio Lower Upper

105 100

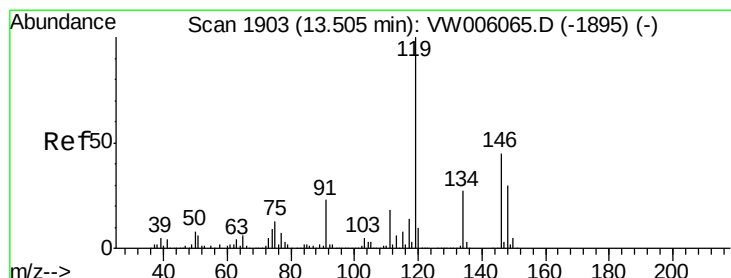
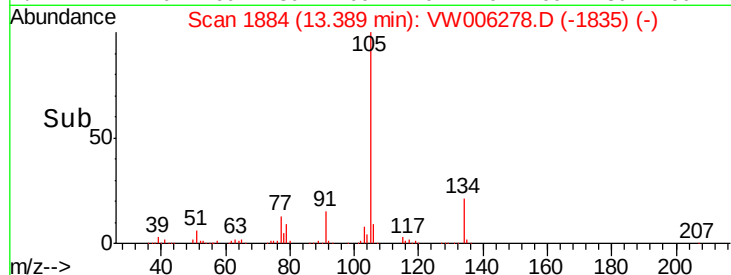
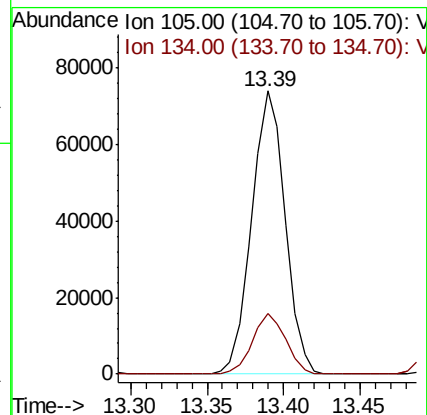
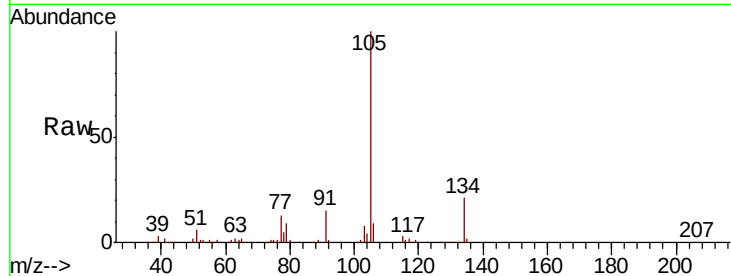
134 21.1 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 41.594 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

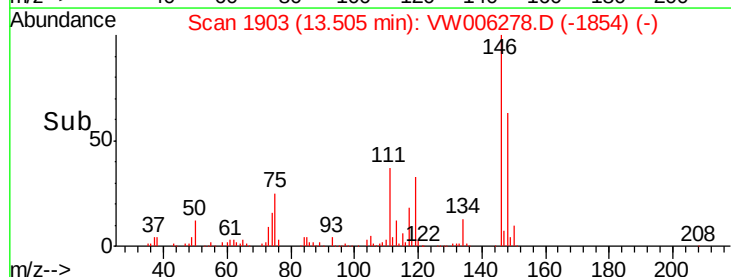
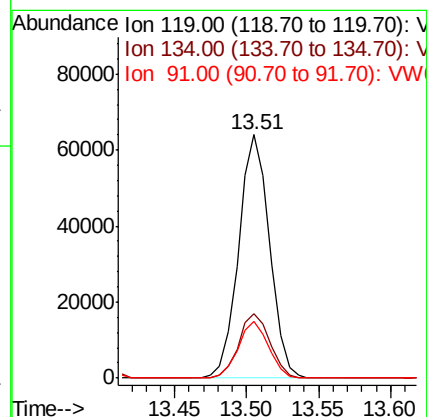
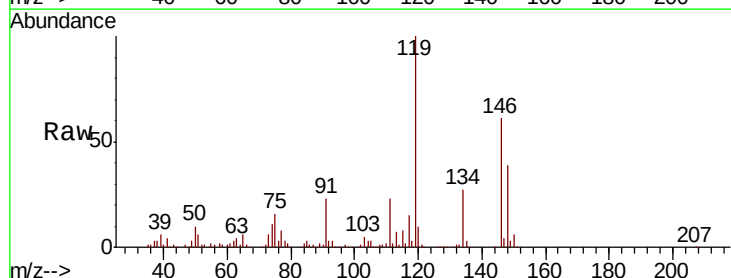
Tgt Ion:119 Resp: 95667

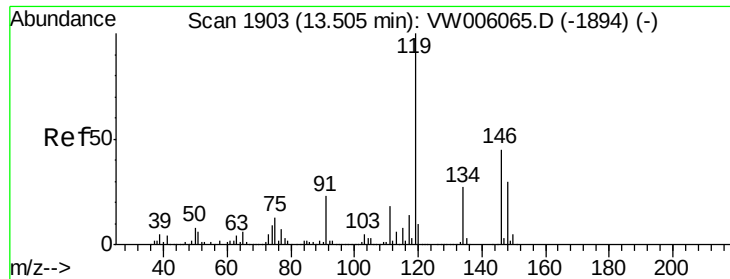
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 23.0 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 52.342 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

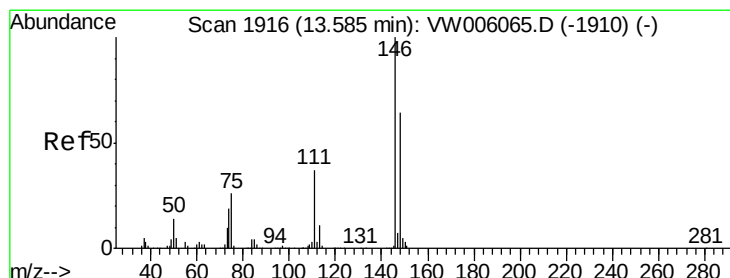
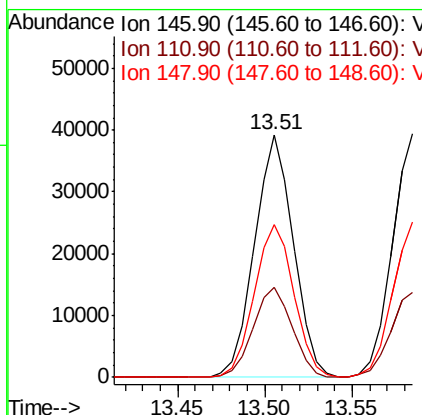
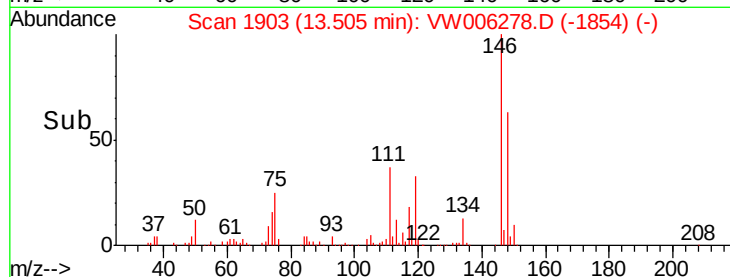
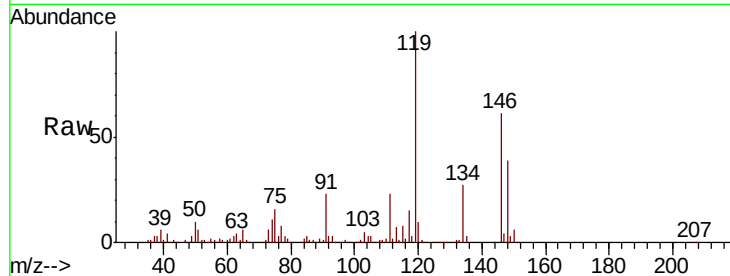
Instrument :
MSVOA_W

ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.5
148	64.1	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.692 ug/l

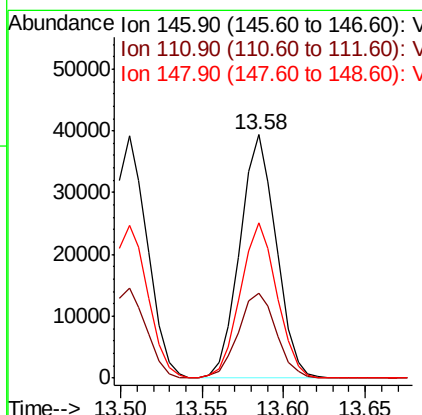
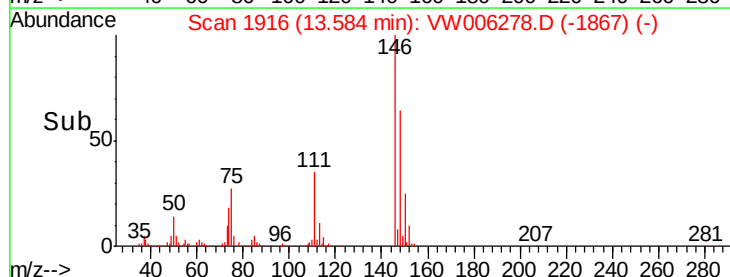
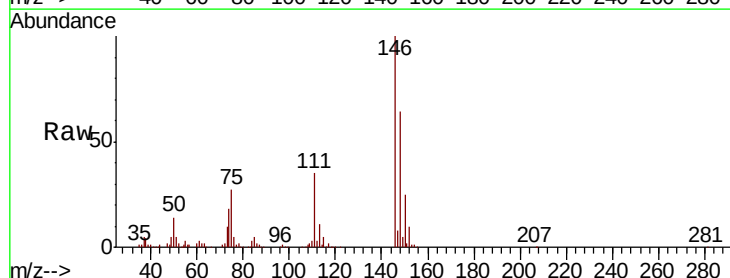
RT: 13.58 min Scan# 1916

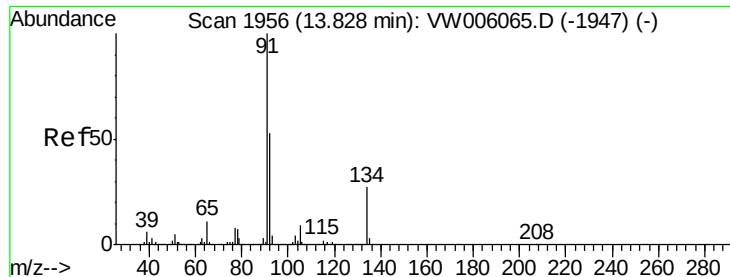
Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	56.0
148	64.5	32.1	96.5





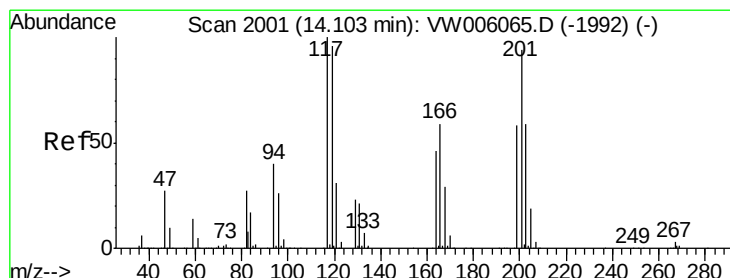
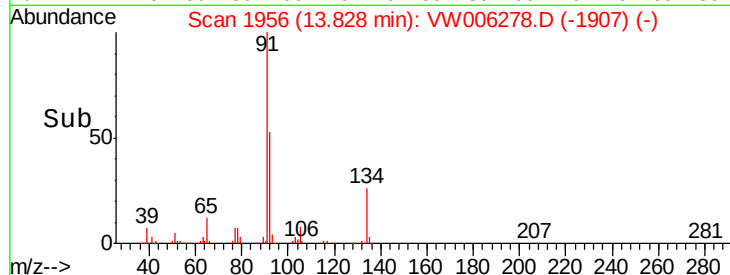
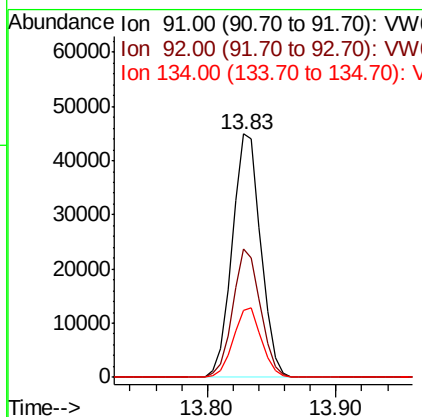
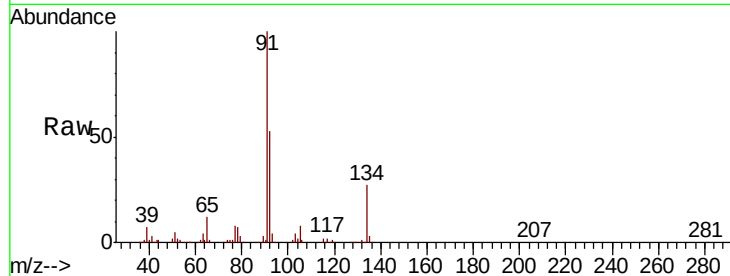
#89
n-Butylbenzene
Concen: 32.863 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.6	79.7
134	28.0	14.0	41.9

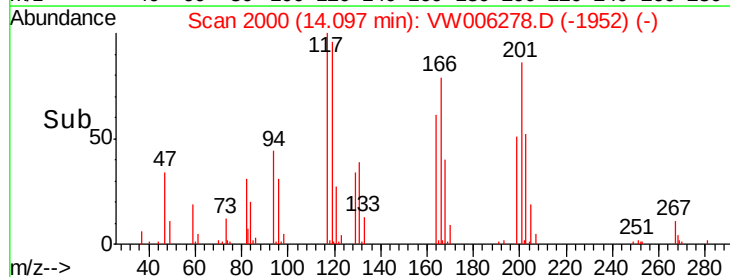
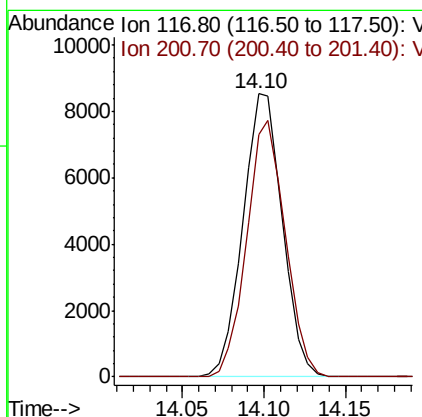
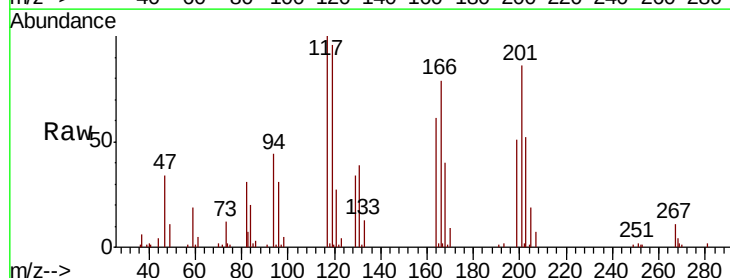
Manual Integrations
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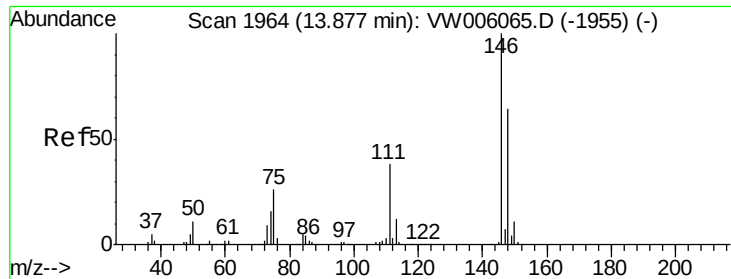
sam
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#90
Hexachloroethane
Concen: 36.837 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.4	45.3	135.9





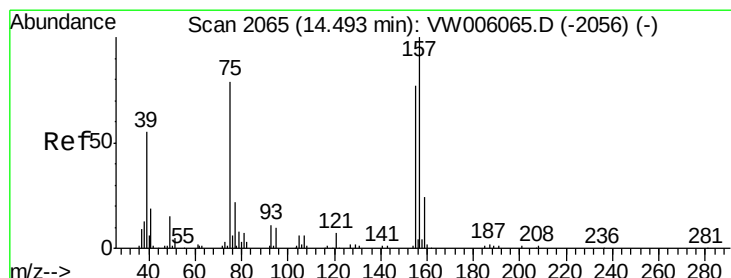
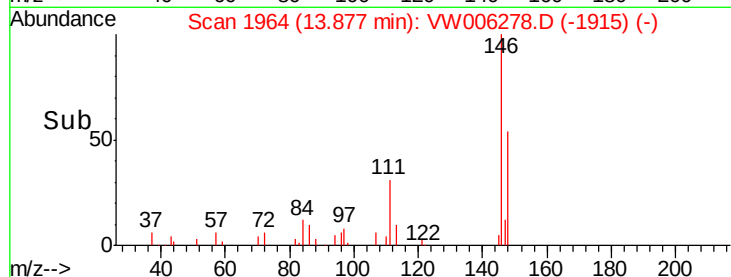
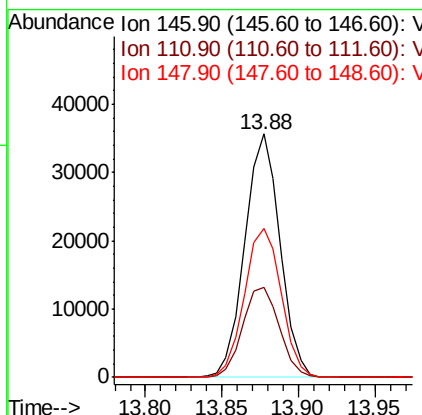
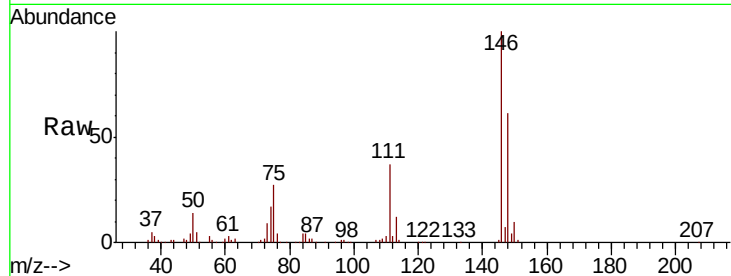
#91
 1,2-Dichlorobenzene
 Concen: 54.988 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.7
148	64.1	32.2	96.6

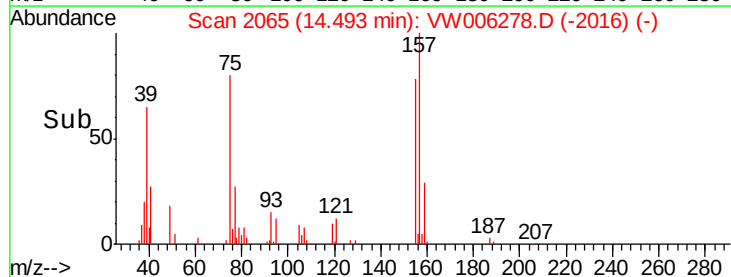
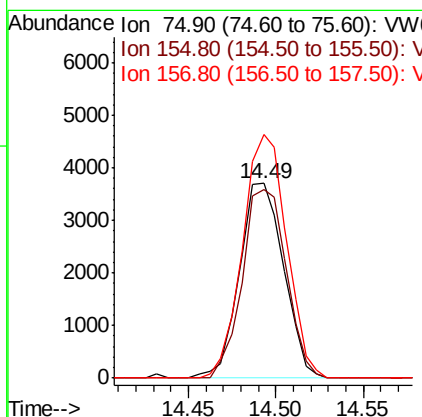
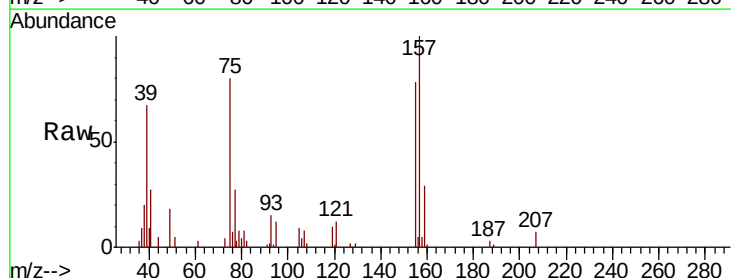
Manual Integrations
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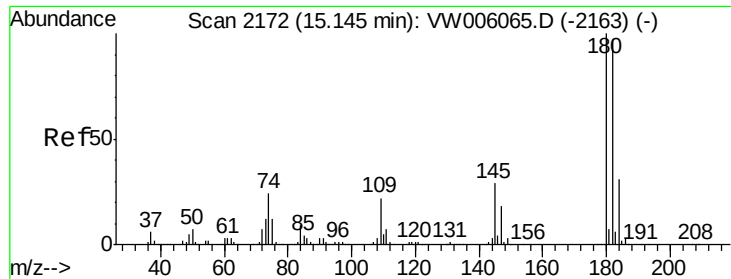
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.363 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	46.5	139.5
157	124.0	59.8	179.4





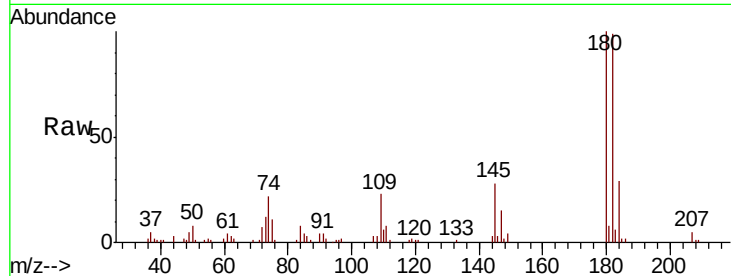
#93
1,2,4-Trichlorobenzene
Concen: 22.618 ug/l
RT: 15.15 min Scan# 2172
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	18058		
182	96.5		47.9	143.6
145	29.0		14.2	42.8

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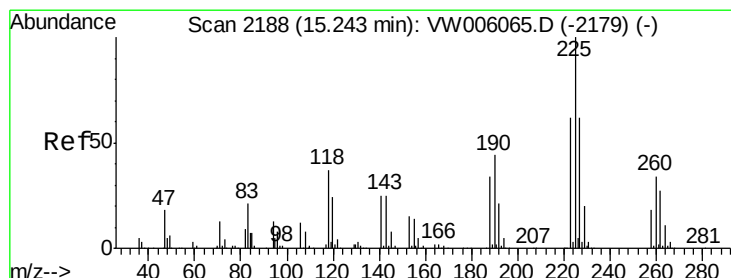
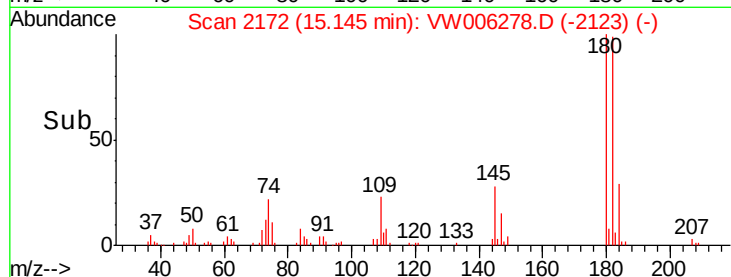
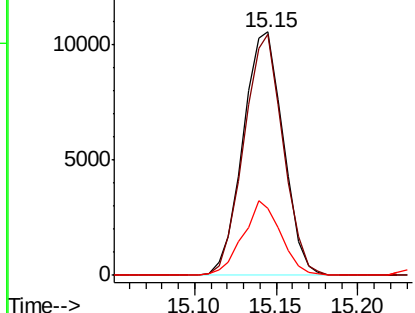


Abundance

Ion 179.80 (179.50 to 180.50): V

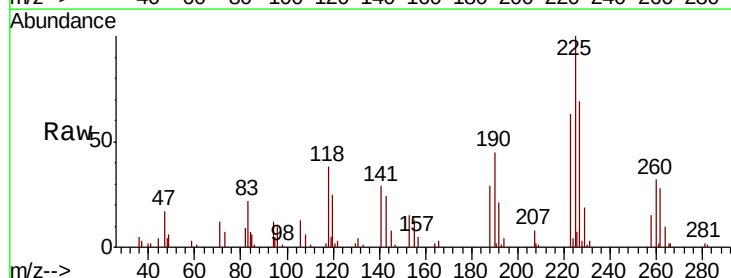
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 19.291 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	9675		
223	64.8		31.1	93.5
227	64.4		32.4	97.0

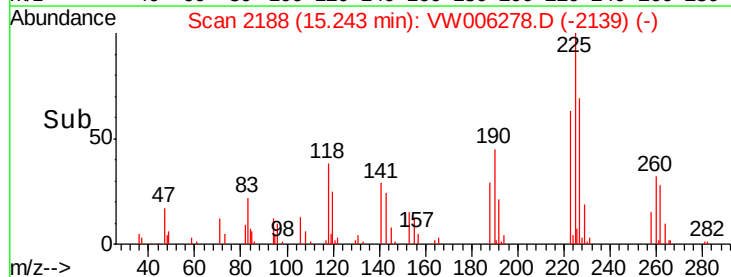
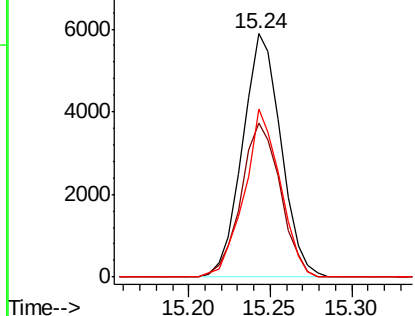


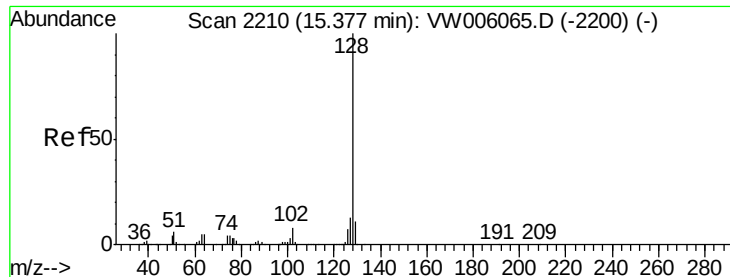
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





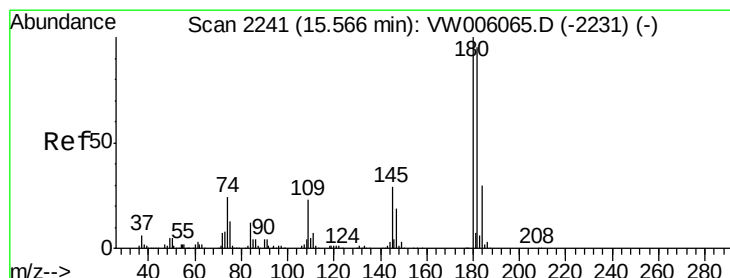
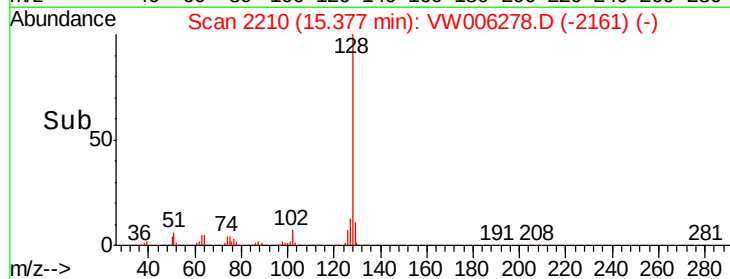
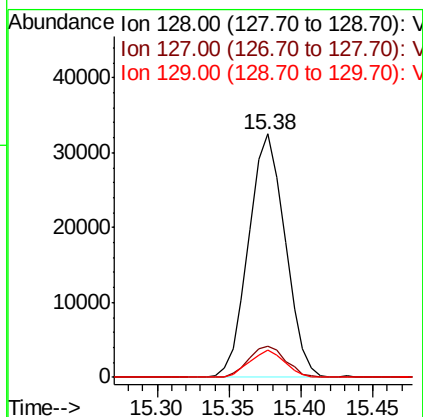
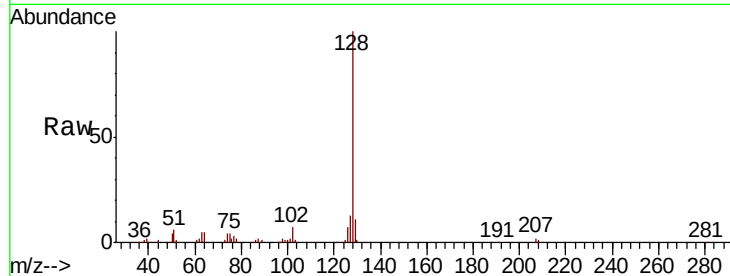
#95
Naphthalene
Concen: 43.104 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

sam
10/24/2018 5:33:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.618 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.3
145	28.8	15.0	45.1

