

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\
 Data File : VW006279.D
 Acq On : 23 Oct 2018 05:21
 Operator : VA/AP
 Sample : J5626-03MSD
 Misc : 3.49G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

Manual Integrations
 APPROVED

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 10/24/2018 5:33:39 PM

Quant Time: Oct 23 07:08:14 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	143571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	216865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	138804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	38410	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	78787	66.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.38%	
35) Dibromofluoromethane	7.88	113	73753	57.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.10%	
50) Toluene-d8	10.33	98	204578	41.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.92%	
62) 4-Bromofluorobenzene	12.62	95	48868	26.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	43750	61.579	ug/l	99
3) Chloromethane	2.21	50	59981	65.586	ug/l	98
4) Vinyl Chloride	2.37	62	88883	68.055	ug/l	99
5) Bromomethane	2.79	94	82734	69.647	ug/l	97
6) Chloroethane	2.93	64	64134	68.522	ug/l	97
7) Trichlorofluoromethane	3.26	101	63701	52.356	ug/l	93
8) Diethyl Ether	3.68	74	50501	78.100	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	67709	53.103	ug/l	98
10) Methyl Iodide	4.27	142	145030	68.339	ug/l	99
11) Tert butyl alcohol	5.22	59	30755	384.189	ug/l	98
12) 1,1-Dichloroethene	4.03	96	73827	61.544	ug/l	92
13) Acrolein	3.90	56	15583	201.173	ug/l	98
14) Allyl chloride	4.67	41	111990	65.292	ug/l	99
15) Acrylonitrile	5.37	53	106832	460.632	ug/l	99
16) Acetone	4.14	43	98473	453.002	ug/l	100
17) Carbon Disulfide	4.38	76	186111	51.406	ug/l	99
18) Methyl Acetate	4.68	43	101482	169.418	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	154601	84.616	ug/l	97
20) Methylene Chloride	4.91	84	104279	83.901	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	87329	65.221	ug/l	97
22) Diisopropyl ether	6.32	45	261189	77.058	ug/l	96
23) Vinyl Acetate	6.26	43	167064	83.518	ug/l	99
24) 1,1-Dichloroethane	6.21	63	153079	69.991	ug/l	99
25) 2-Butanone	7.18	43	137994	429.148	ug/l	98
26) 2,2-Dichloropropane	7.17	77	81164	52.616	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	99203	67.138	ug/l	98
28) Bromochloromethane	7.51	49	61276	72.571	ug/l	95
29) Tetrahydrofuran	7.54	42	89268	451.643	ug/l	99
30) Chloroform	7.68	83	160969	67.552	ug/l	97
31) Cyclohexane	7.95	56	75984	34.886	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	122695	57.081	ug/l	99
36) 1,1-Dichloropropene	8.09	75	97695	48.875	ug/l	100
37) Ethyl Acetate	7.26	43	46274	62.308	ug/l	99
38) Carbon Tetrachloride	8.07	117	104535	47.705	ug/l	98

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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)
39) Methylcyclohexane	9.34	83	61613	23.188	ug/l	98
40) Benzene	8.32	78	328890	59.982	ug/l	99
41) Methacrylonitrile	7.49	41	35355	78.969	ug/l	91
42) 1,2-Dichloroethane	8.40	62	114990	71.381	ug/l	99
43) Isopropyl Acetate	8.43	43	103340	68.055	ug/l	100
44) Trichloroethene	9.09	130	82380	48.971	ug/l	99
45) 1,2-Dichloropropane	9.37	63	80890	61.651	ug/l	96
46) Dibromomethane	9.46	93	51345	68.660	ug/l	99
47) Bromodichloromethane	9.65	83	103283	56.967	ug/l	97
48) Methyl methacrylate	9.44	41	66186	91.953	ug/l	98
49) 1,4-Dioxane	9.47	88	18163	1577.693	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	303237	398.568	ug/l	98
52) Toluene	10.39	92	171008	46.520	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	98738	54.661	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	117547	56.699	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66513	63.558	ug/l	98
56) Ethyl methacrylate	10.65	69	76027	59.261	ug/l	98
57) 1,3-Dichloropropane	10.93	76	110057	63.530	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	155803	317.827	ug/l	99
59) 2-Hexanone	10.97	43	201484	370.990	ug/l	98
60) Dibromochloromethane	11.13	129	69344	53.198	ug/l	98
61) 1,2-Dibromoethane	11.24	107	64155	61.355	ug/l	100
64) Tetrachloroethene	10.87	164	55548	51.551	ug/l	97
65) Chlorobenzene	11.66	112	164843	55.477	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	67090	63.534	ug/l	98
67) Ethyl Benzene	11.74	91	243898	47.363	ug/l	100
68) m/p-Xylenes	11.84	106	184088	90.445	ug/l	100
69) o-Xylene	12.17	106	91234	47.034	ug/l	99
70) Styrene	12.18	104	150084	47.581	ug/l	100
71) Bromoform	12.35	173	38374	65.152	ug/l #	99
73) Isopropylbenzene	12.47	105	192772	71.041	ug/l	100
74) N-amyl acetate	12.28	43	45643	86.601	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	63288	153.344	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	43247m	147.411	ug/l	
77) Bromobenzene	12.75	156	59961	90.216	ug/l	91
78) n-propylbenzene	12.81	91	187203	59.298	ug/l	99
79) 2-Chlorotoluene	12.90	91	116327	65.581	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	129333	56.537	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	17466	142.311	ug/l	96
82) 4-Chlorotoluene	12.99	91	119286	64.198	ug/l	99
83) tert-Butylbenzene	13.21	119	111384	54.421	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	129021	55.737	ug/l	99
85) sec-Butylbenzene	13.39	105	126019	43.583	ug/l	100
86) p-Isopropyltoluene	13.51	119	106834	40.849	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	68660	51.907	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	70872	53.813	ug/l	99
89) n-Butylbenzene	13.83	91	75560	31.591	ug/l	99
90) Hexachloroethane	14.10	117	16035	36.197	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	66058	55.987	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8612	116.546	ug/l	98

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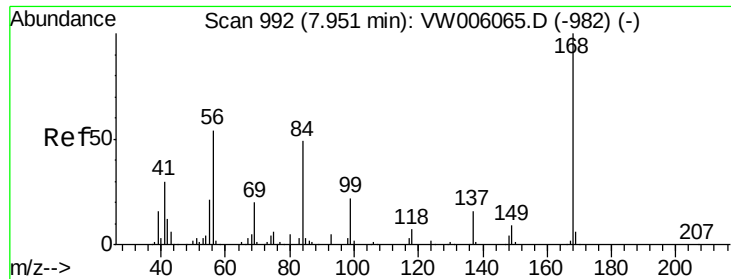
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21190	23.341	ug/l	99
94) Hexachlorobutadiene	15.24	225	9447	16.565	ug/l	99
95) Naphthalene	15.38	128	71179	47.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	18054	22.992	ug/l	98

(#) = 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: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion:168 Resp: 143571

Ion Ratio Lower Upper

168 100

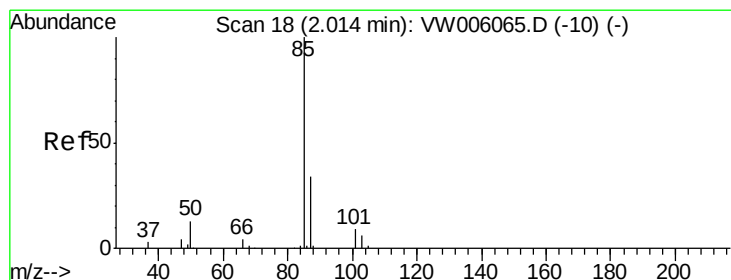
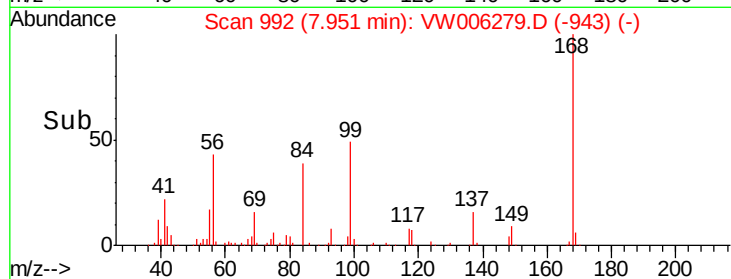
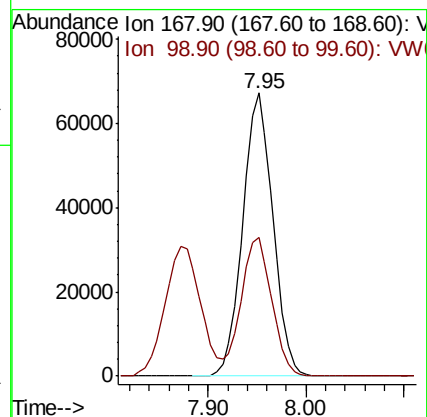
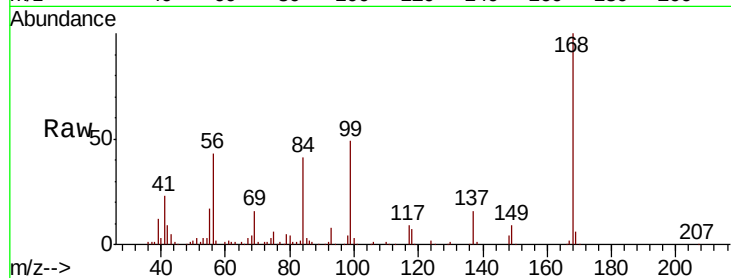
99 49.1 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 61.579 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006279.D

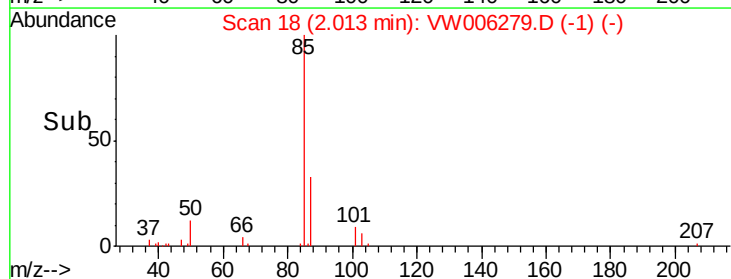
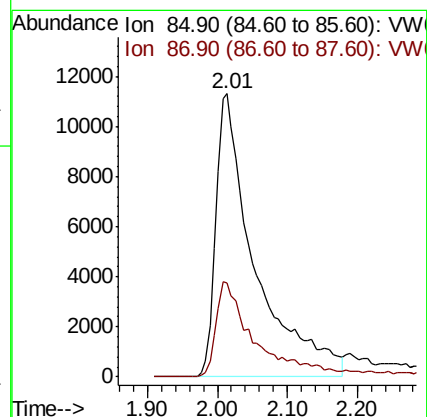
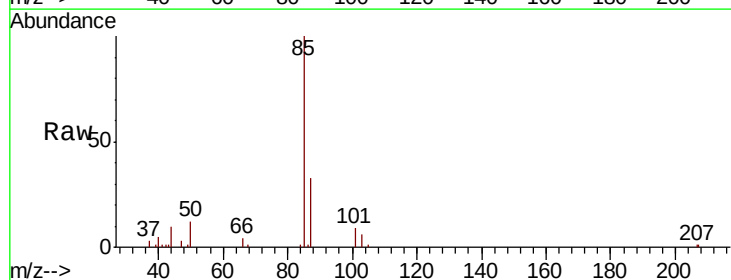
Acq: 23 Oct 2018 05:21

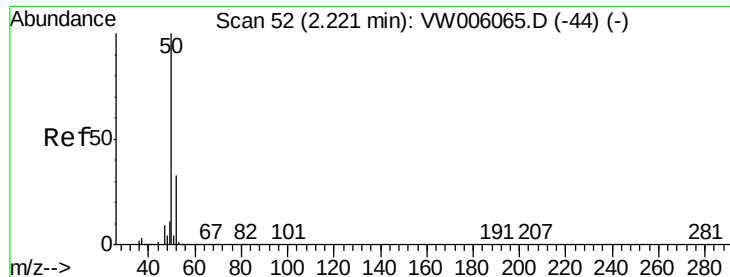
Tgt Ion: 85 Resp: 43750

Ion Ratio Lower Upper

85 100

87 33.3 16.9 50.6





#3

Chloromethane

Concen: 65.586 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion: 50 Resp: 59981

Ion Ratio Lower Upper

50 100

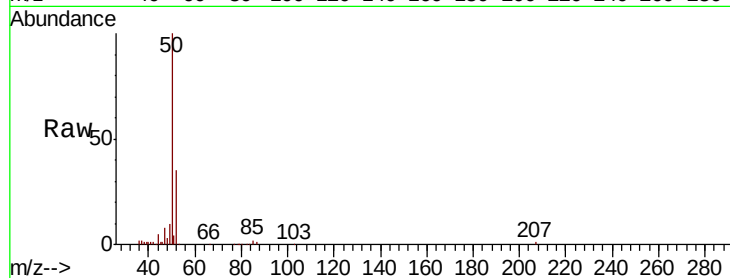
52 34.9 26.8 40.2

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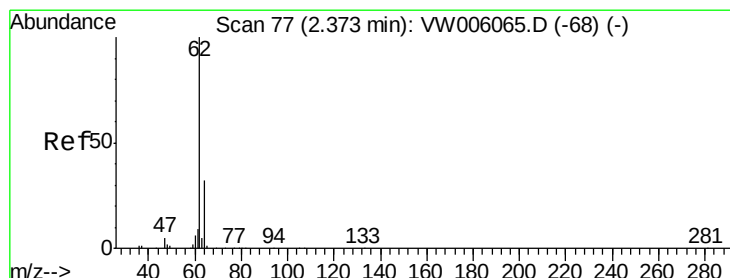
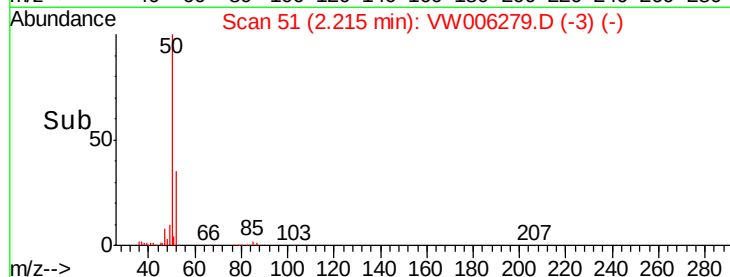
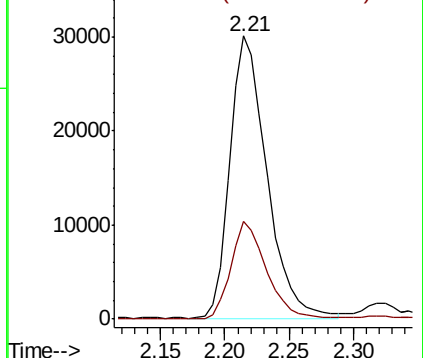
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 68.055 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006279.D

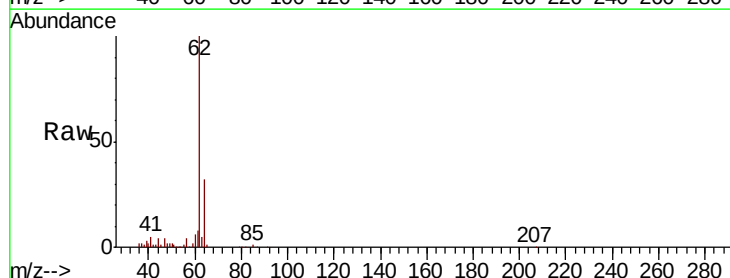
Acq: 23 Oct 2018 05:21

Tgt Ion: 62 Resp: 88883

Ion Ratio Lower Upper

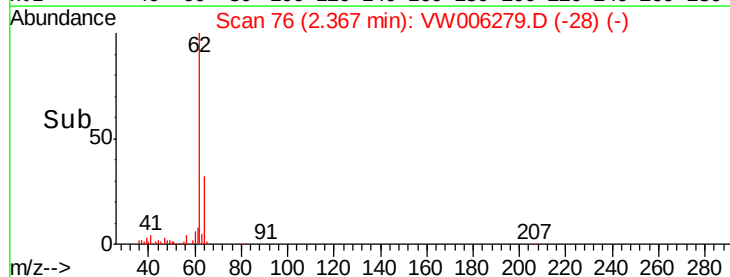
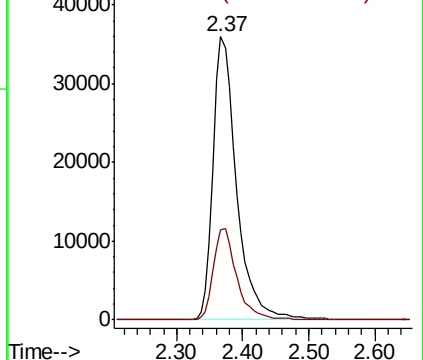
62 100

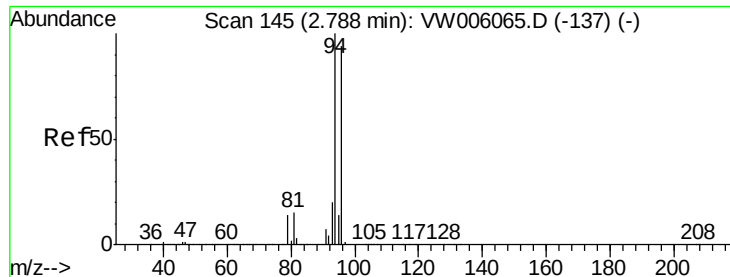
64 31.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 69.647 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006279.D

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Instrument :

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Tot Ion: 94 Resp: 82734

Ion Ratio Lower Upper

94 100

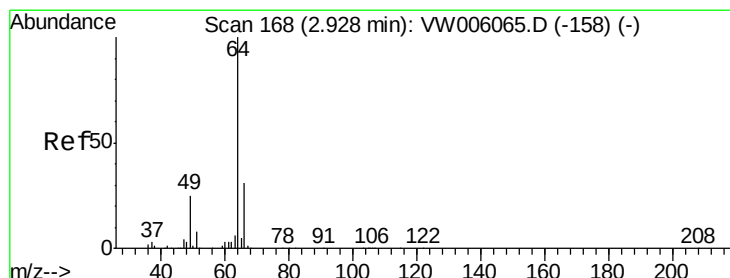
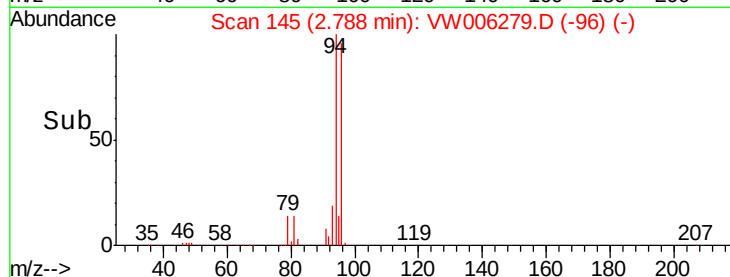
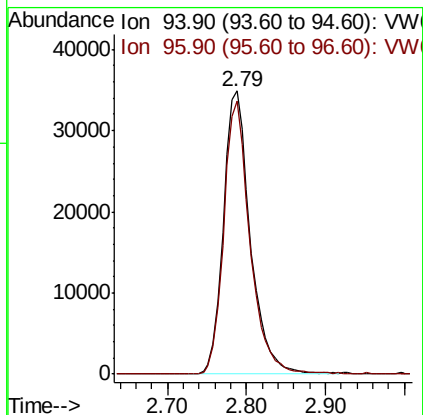
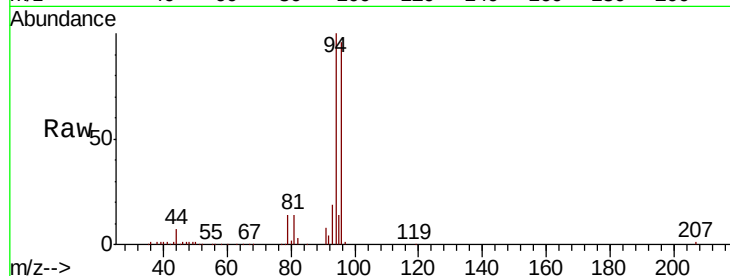
96 96.3 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 68.522 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006279.D

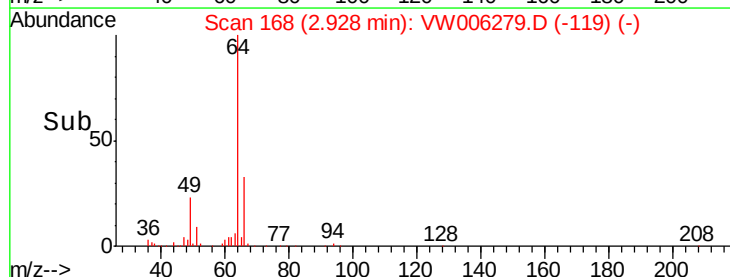
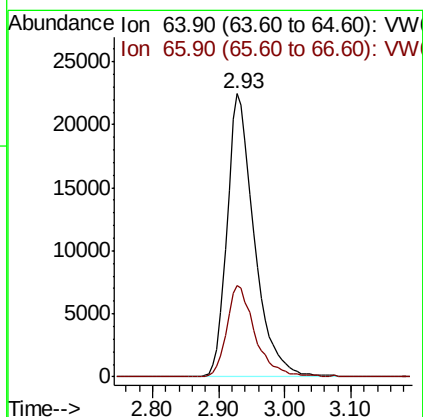
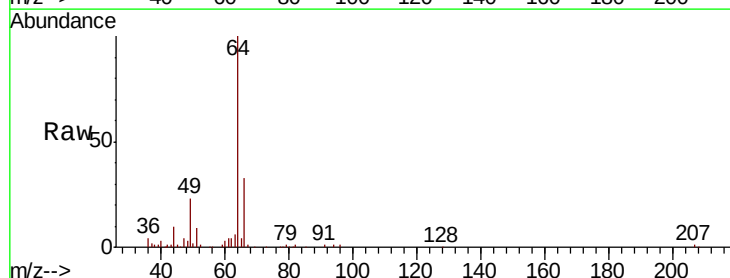
Acq: 23 Oct 2018 05:21

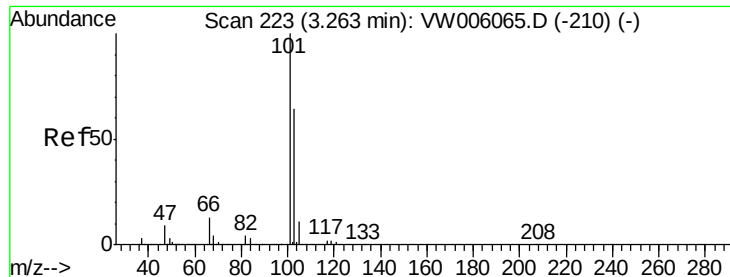
Tgt Ion: 64 Resp: 64134

Ion Ratio Lower Upper

64 100

66 32.5 24.9 37.3





#7

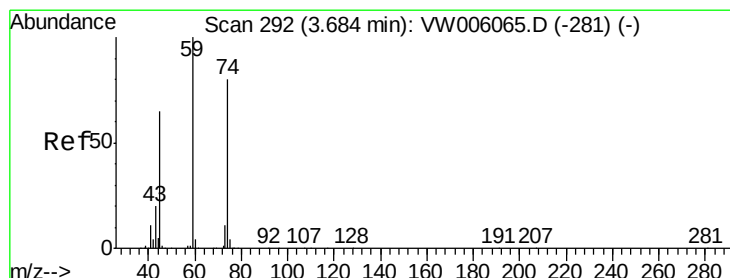
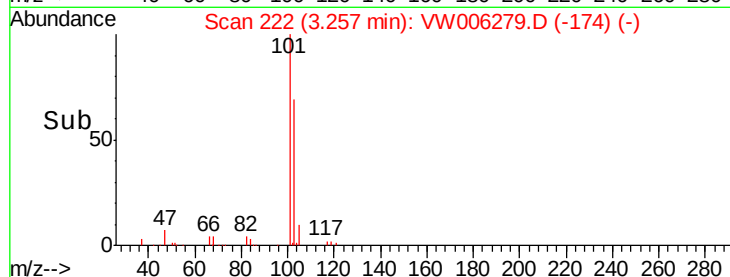
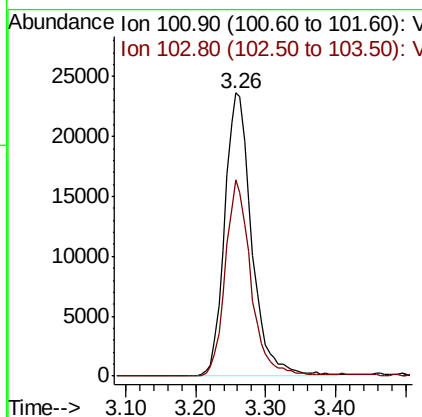
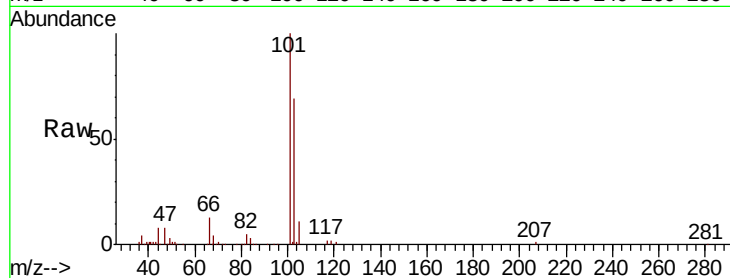
Trichlorofluoromethane
Concen: 52.356 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

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ClientSampleId :
PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.5	51.2	76.8

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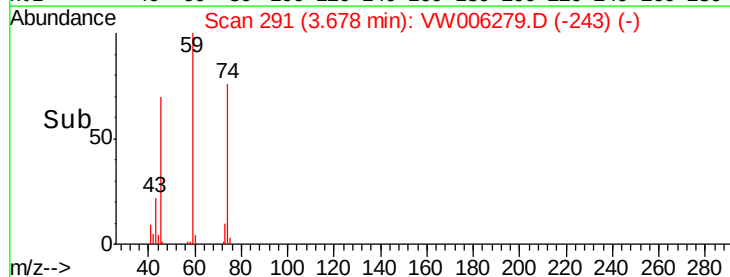
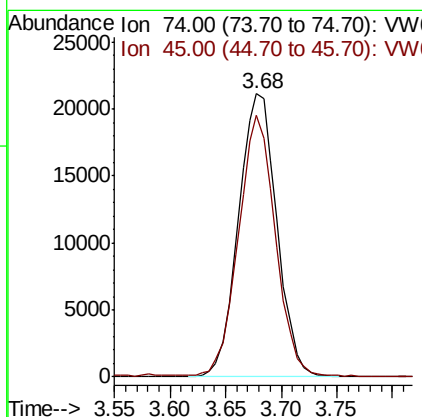
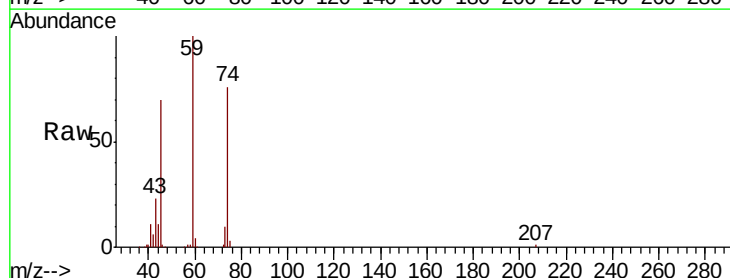
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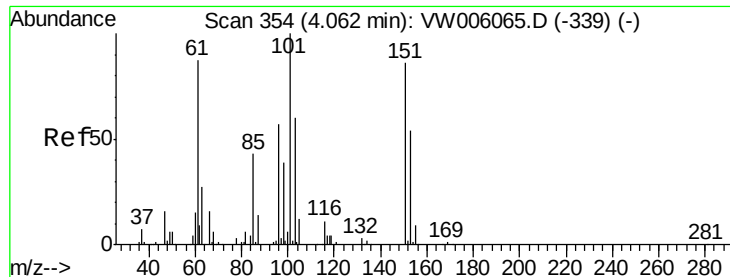


#8

Diethyl Ether
Concen: 78.100 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.8	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.103 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

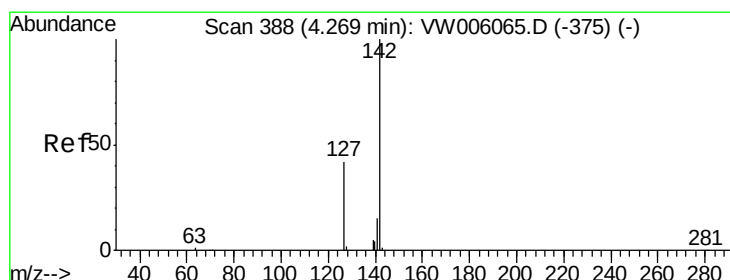
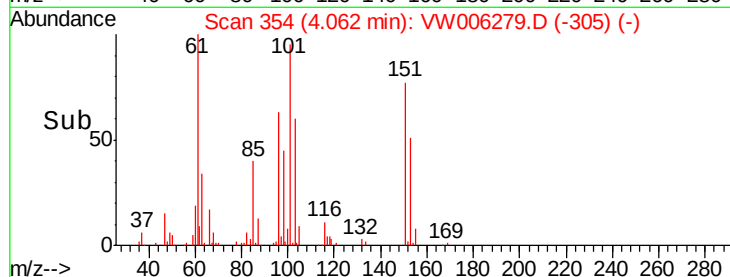
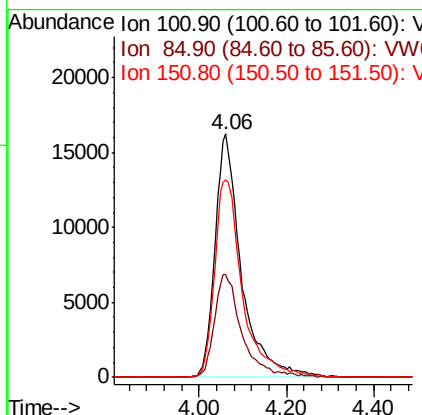
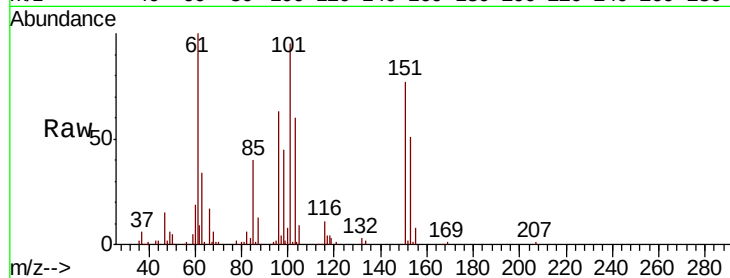
ClientSampleId :

PA-SB-01BMSD

Tot Ion:	101	Resp:	67709
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.9	52.3
151	85.6	70.4	105.6

Manual Integrations
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#10

Methyl Iodide

Concen: 68.339 ug/l

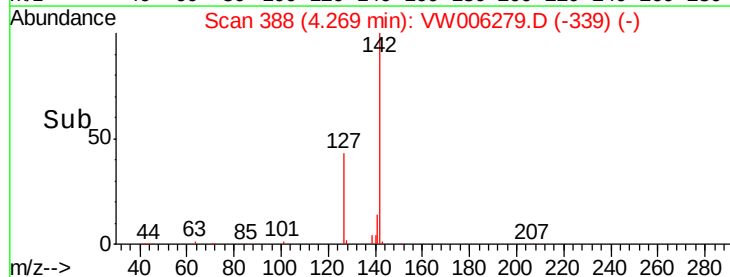
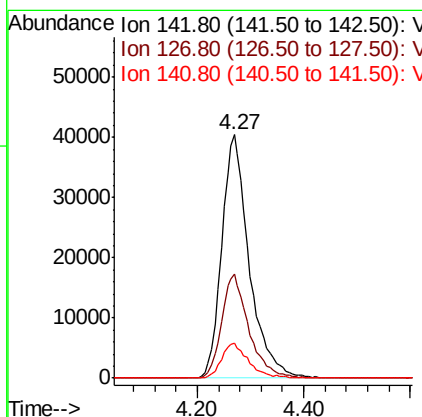
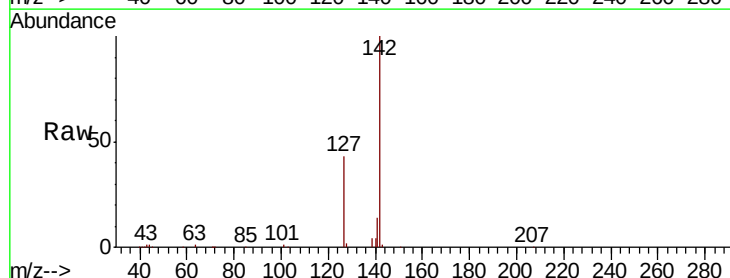
RT: 4.27 min Scan# 388

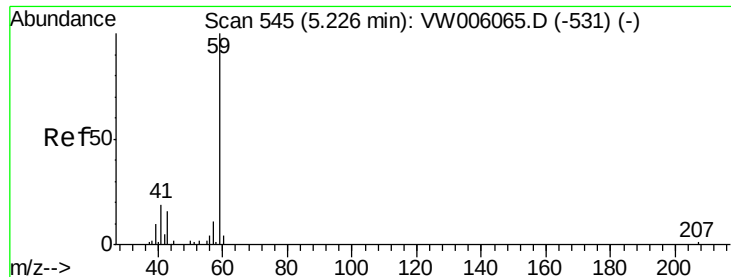
Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Tgt Ion:	142	Resp:	145030
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.6	50.4
141	14.1	11.6	17.4





#11

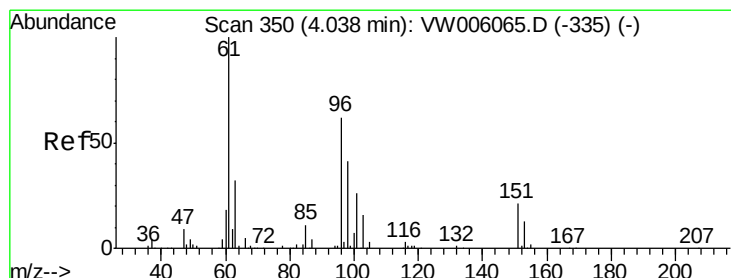
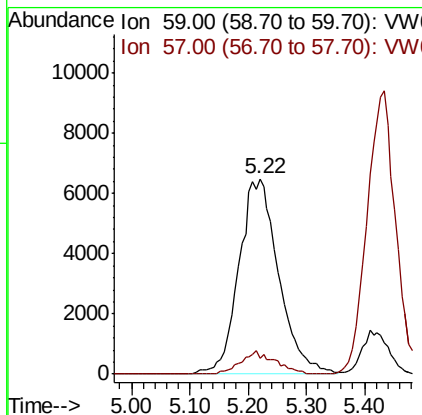
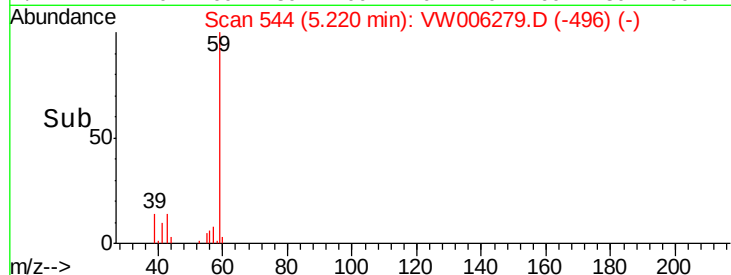
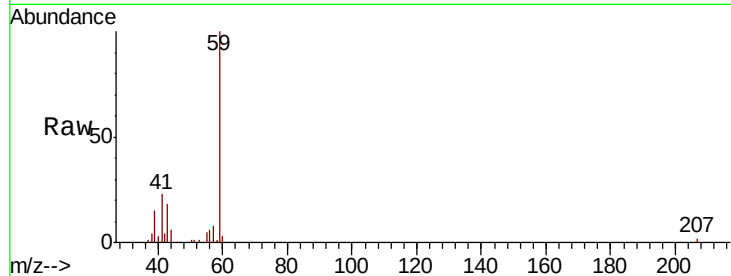
Tert butyl alcohol
Concen: 384.189 ug/l
RT: 5.22 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion	59	Resp	30755
Ion Ratio	100	Lower	Upper
57	10.2	8.7	13.1

Manual Integrations
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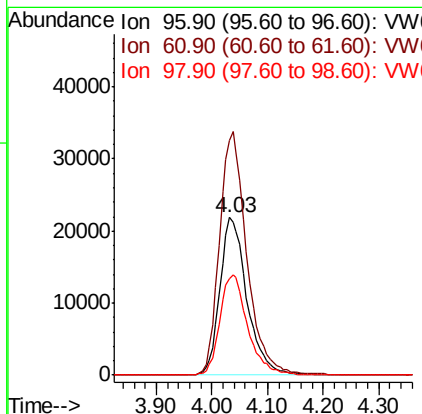
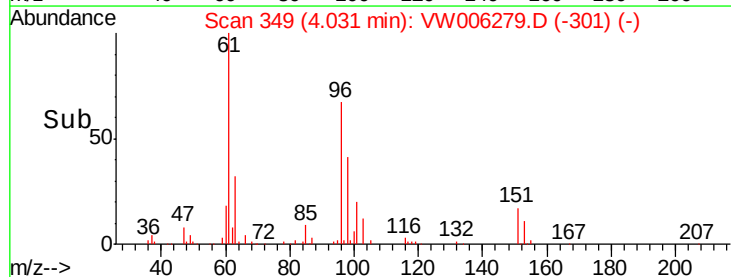
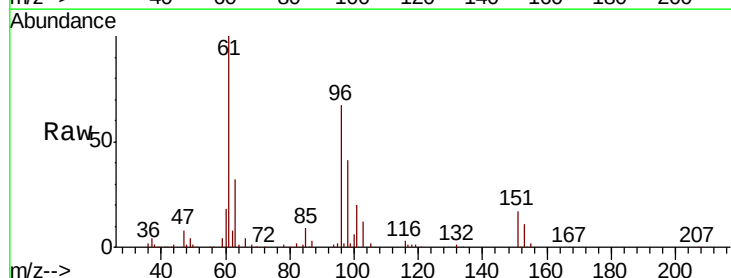
sam
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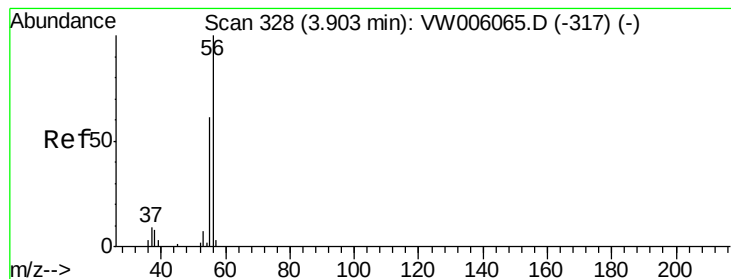


#12

1,1-Dichloroethene
Concen: 61.544 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	96	Resp	73827
Ion Ratio	100	Lower	Upper
61	149.4	129.3	193.9
98	61.6	53.1	79.7





#13

Acrolein

Concen: 201.173 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion: 56 Resp: 15583

Ion Ratio Lower Upper

56 100

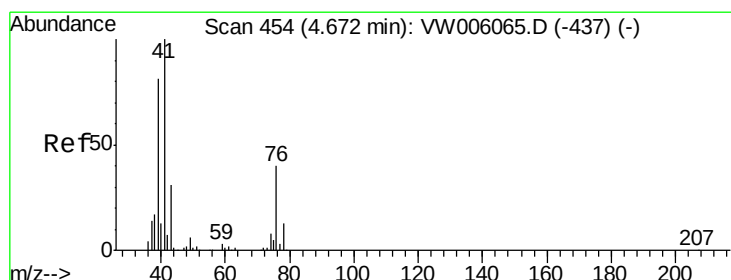
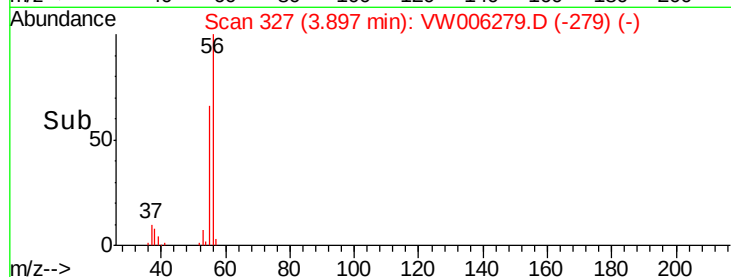
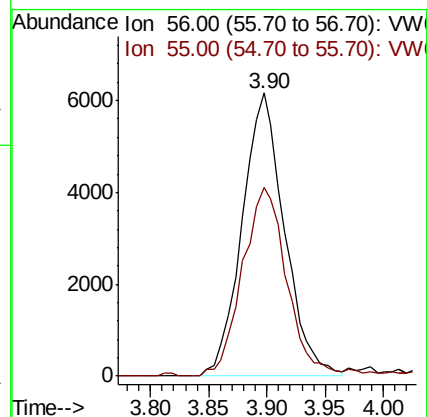
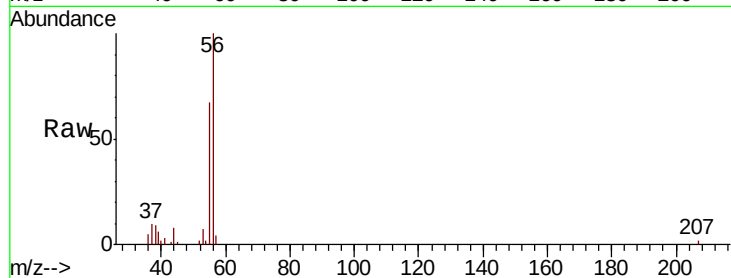
55 69.4 54.5 81.7

Manual Integrations

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sam

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#14

Allyl chloride

Concen: 65.292 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

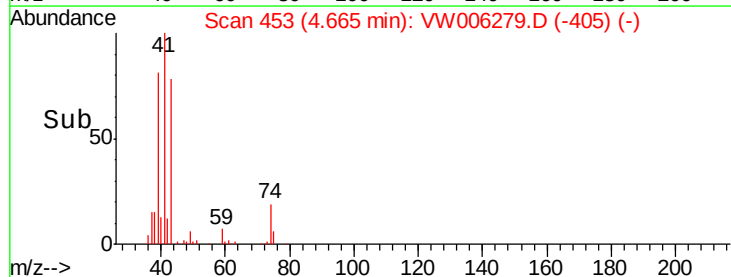
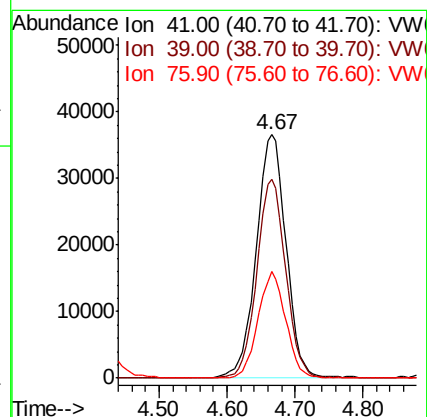
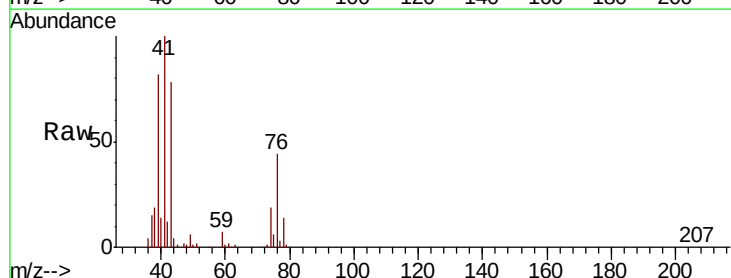
Tgt Ion: 41 Resp: 111990

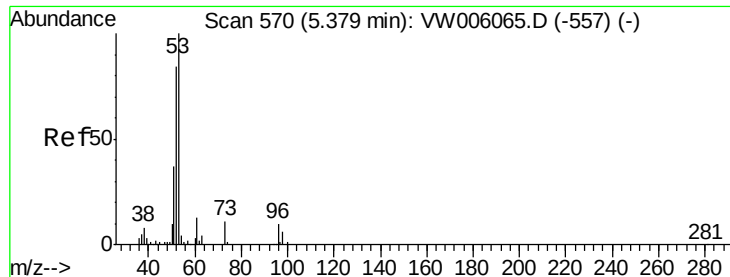
Ion Ratio Lower Upper

41 100

39 79.4 64.1 96.1

76 40.6 32.2 48.4





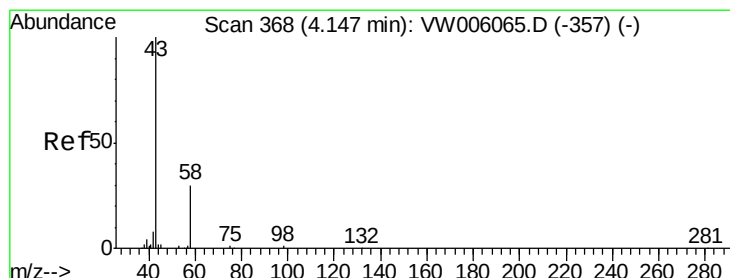
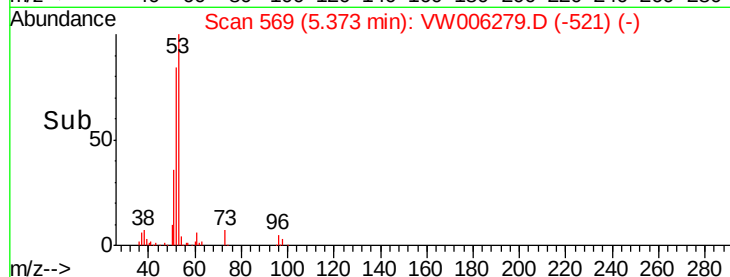
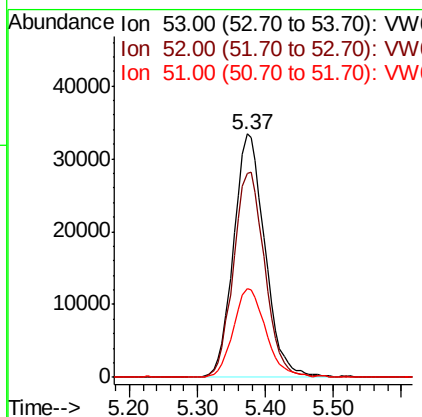
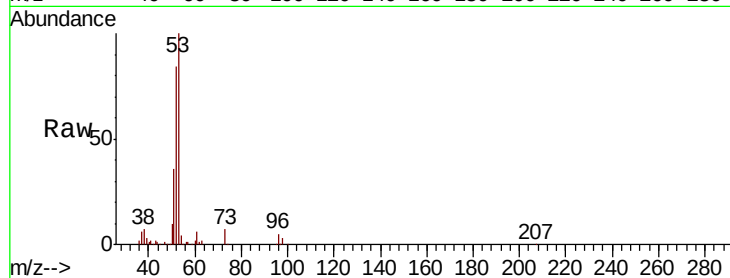
#15
 Acrylonitrile
 Concen: 460.632 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.9	100.3
51	38.1	30.1	45.1

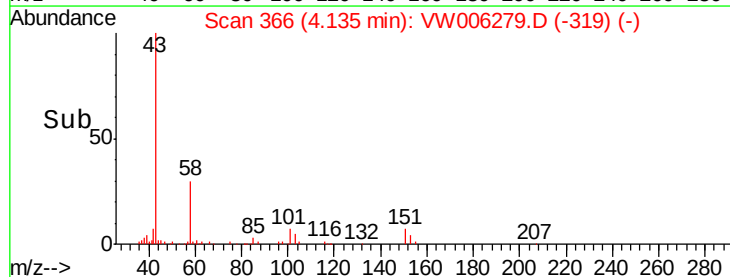
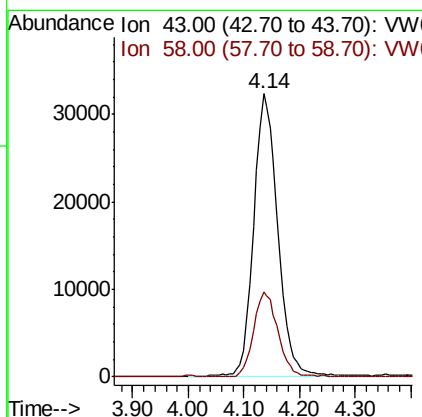
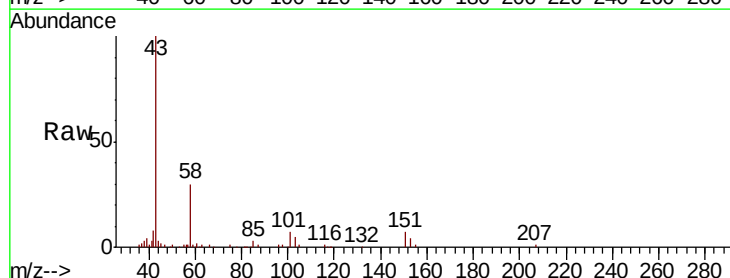
Manual Integrations
 APPROVED

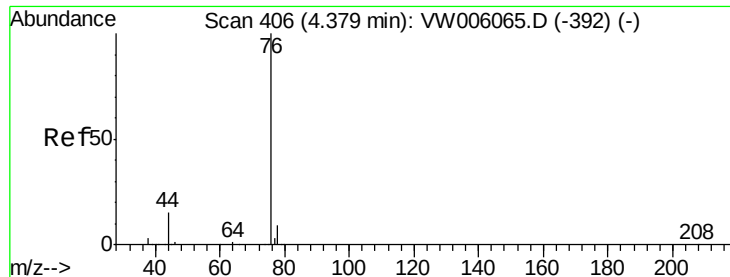
sam
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#16
 Acetone
 Concen: 453.002 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.0	36.0





#17

Carbon Disulfide

Concen: 51.406 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion: 76 Resp: 186111

Ion Ratio Lower Upper

76 100

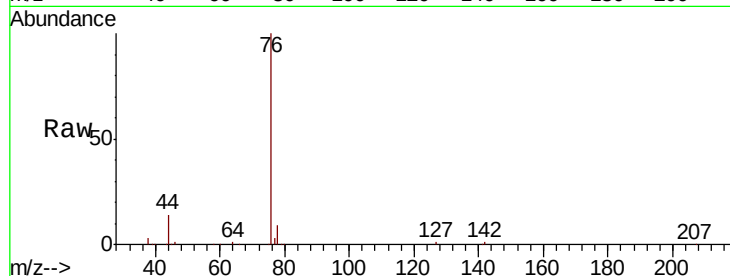
78 9.2 7.5 11.3

Manual Integrations

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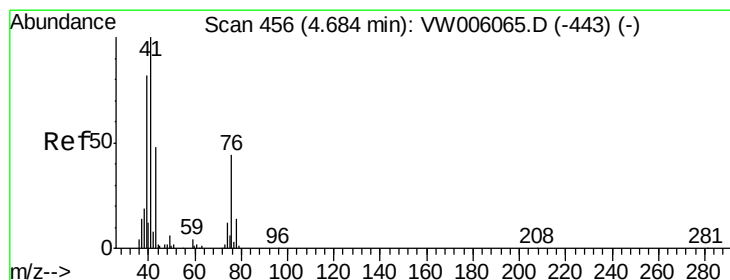
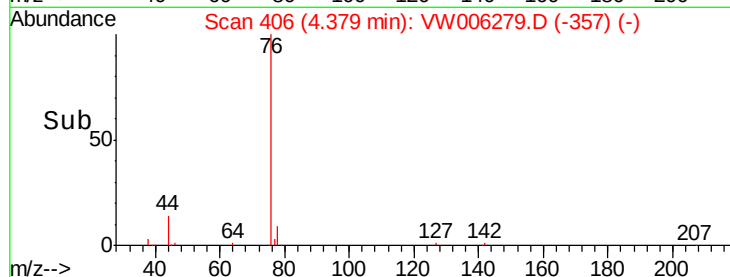
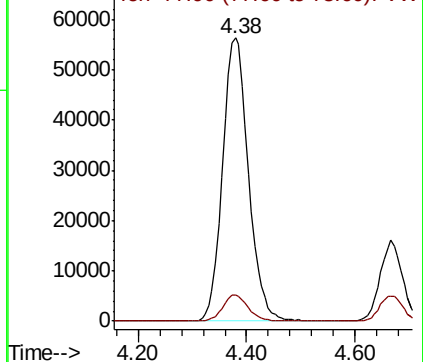
sam

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 169.418 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006279.D

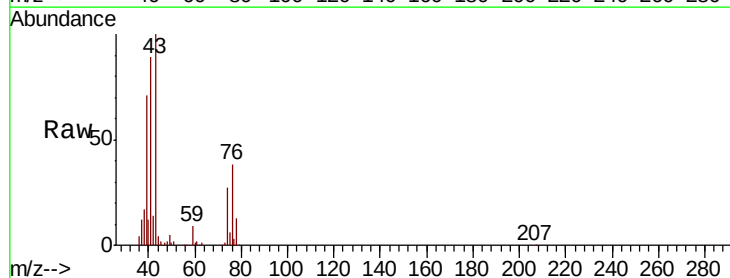
Acq: 23 Oct 2018 05:21

Tgt Ion: 43 Resp: 101482

Ion Ratio Lower Upper

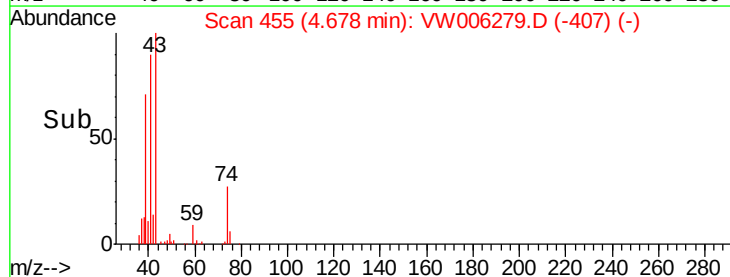
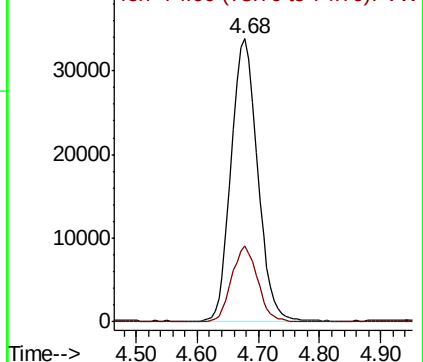
43 100

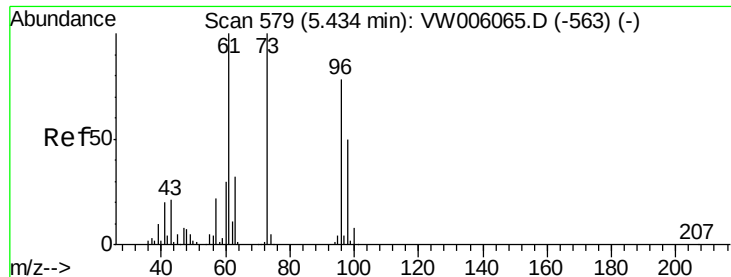
74 26.0 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





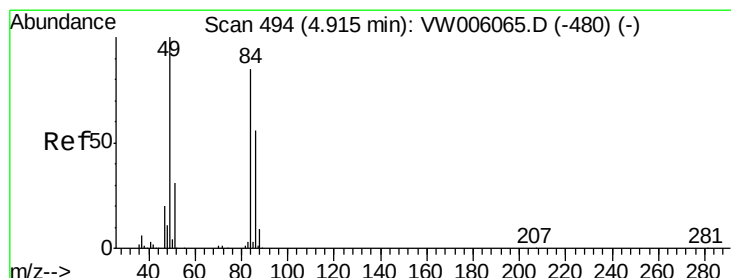
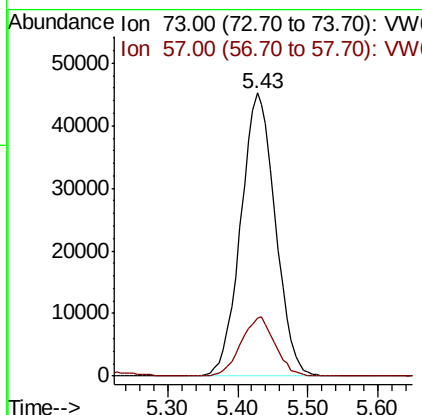
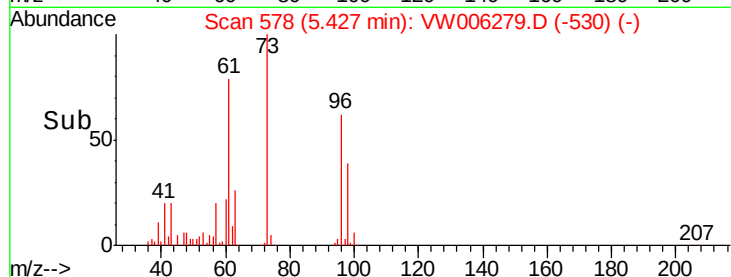
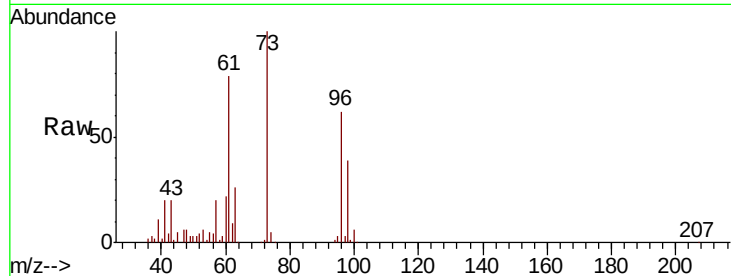
#19
Methyl tert-butyl Ether
Concen: 84.616 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion: 73 Resp: 154601
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.2

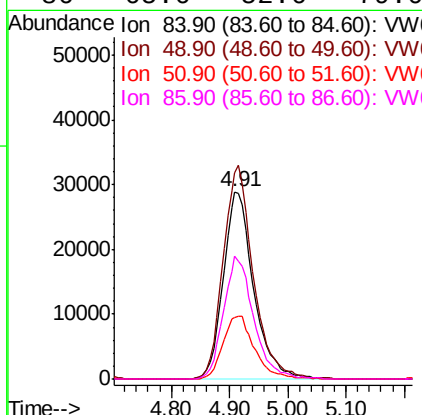
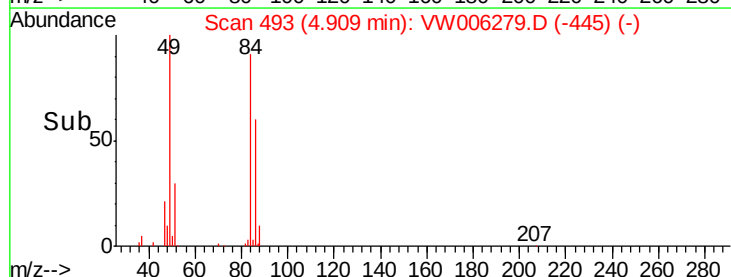
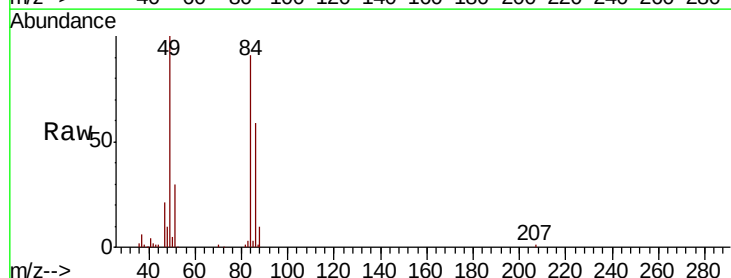
Manual Integrations
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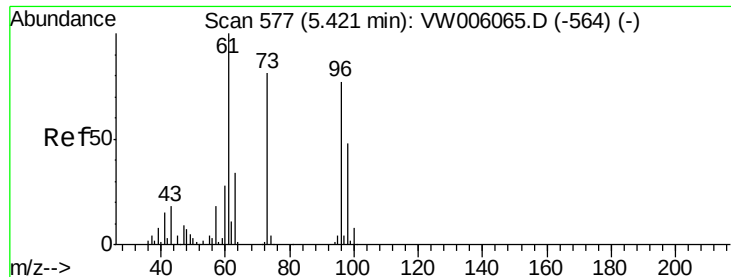
sam
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#20
Methylene Chloride
Concen: 83.901 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion: 84 Resp: 104279
Ion Ratio Lower Upper
84 100
49 110.3 93.6 140.4
51 33.1 29.0 43.4
86 65.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 65.221 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion: 96 Resp: 87329

Ion Ratio Lower Upper

96 100

61 125.7 104.5 156.7

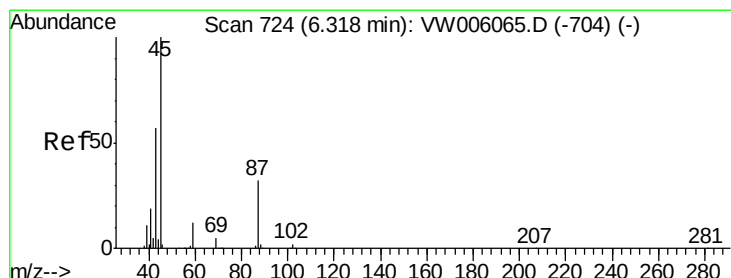
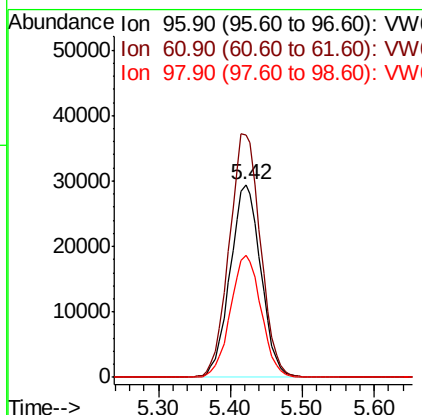
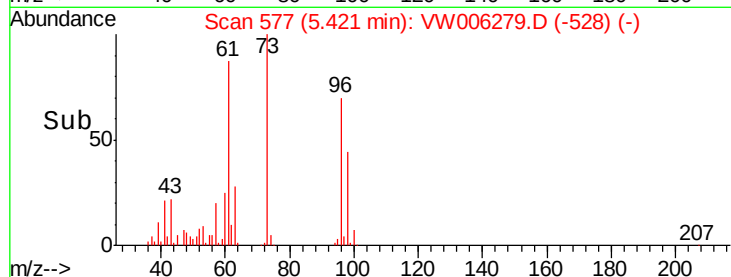
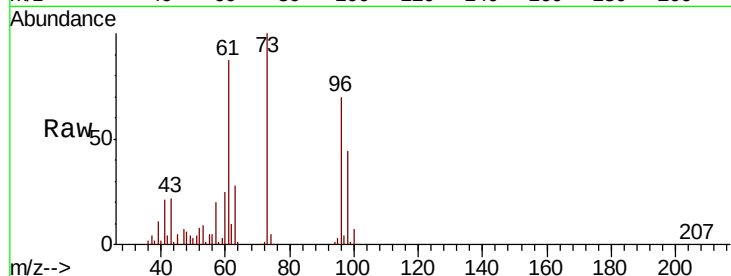
98 63.0 50.6 75.8

Manual Integrations

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sam

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#22

Diisopropyl ether

Concen: 77.058 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Tgt Ion: 45 Resp: 261189

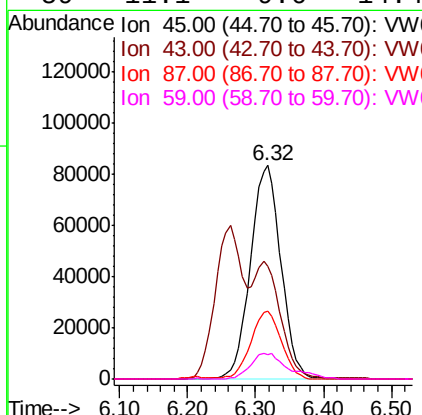
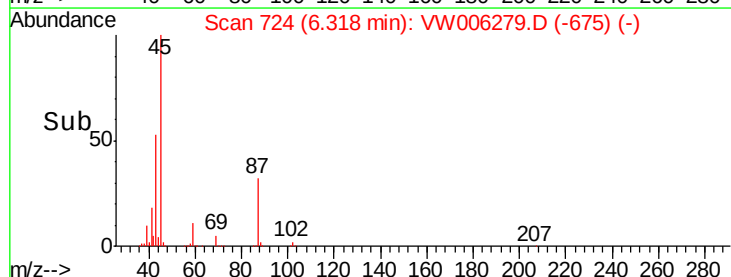
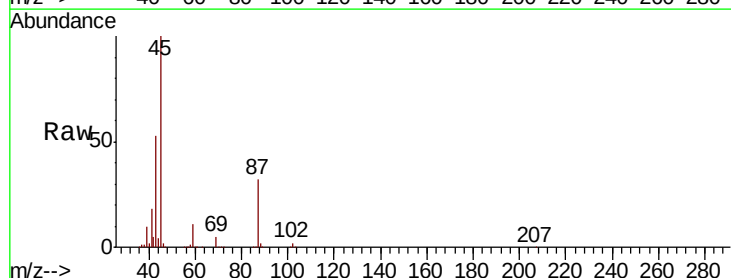
Ion Ratio Lower Upper

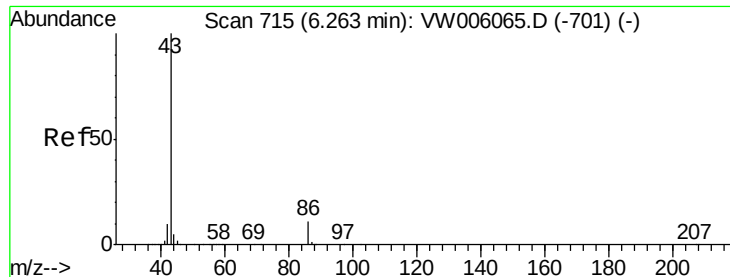
45 100

43 52.6 45.7 68.5

87 31.7 25.9 38.9

59 11.1 9.6 14.4





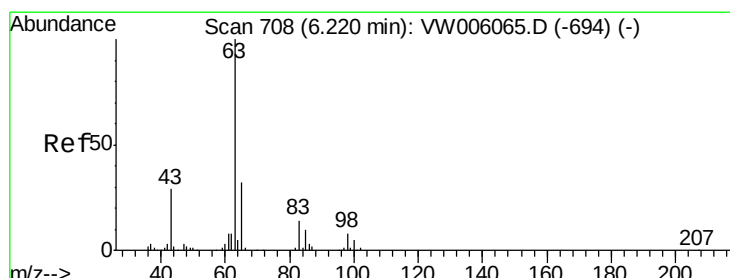
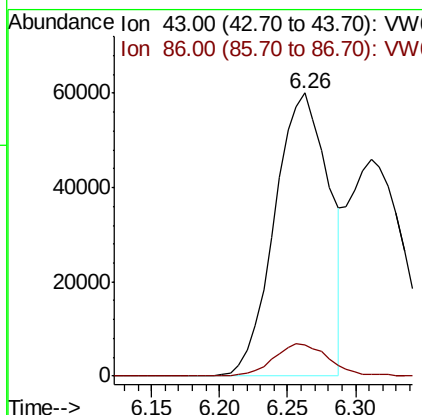
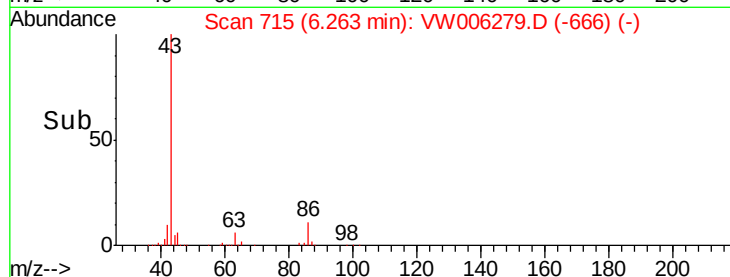
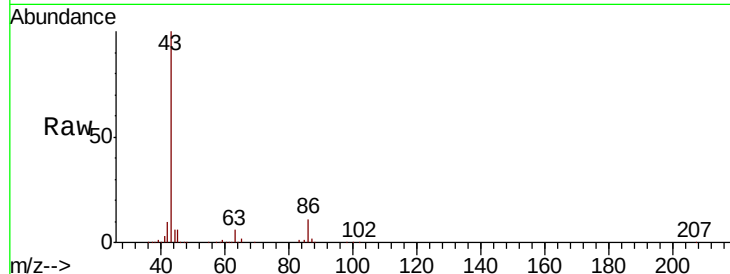
#23
 Vinyl Acetate
 Concen: 83.518 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.0	9.0	13.6

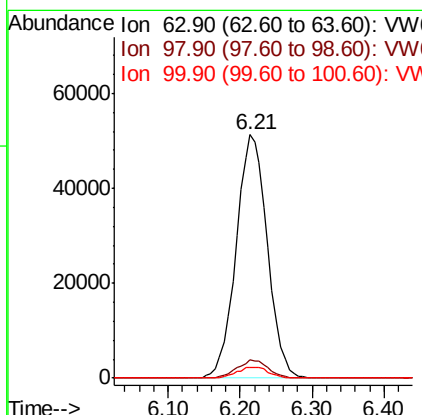
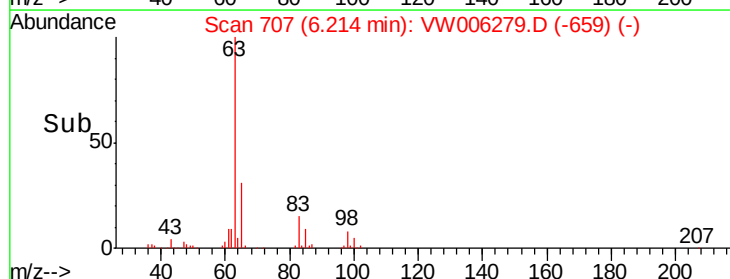
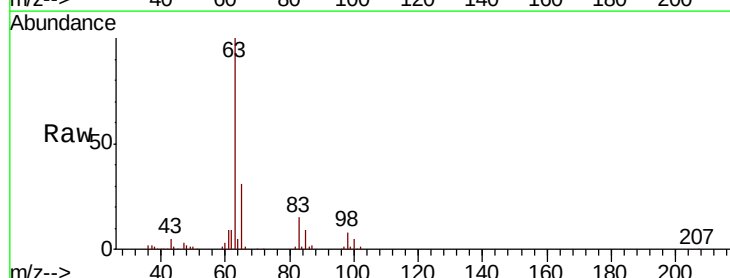
Manual Integrations
 APPROVED

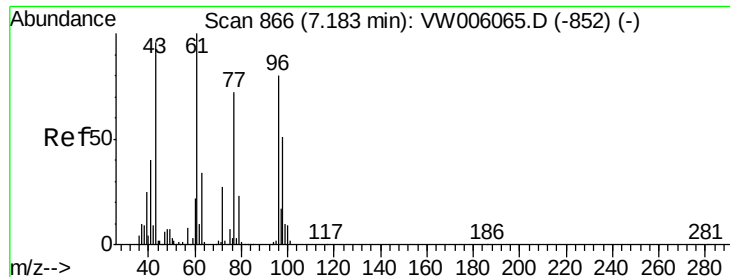
sam
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#24
 1,1-Dichloroethane
 Concen: 69.991 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.8	11.2
100	4.6	2.5	7.5





#25

2-Butanone

Concen: 429.148 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion: 43 Resp: 137994

Ion Ratio Lower Upper

43 100

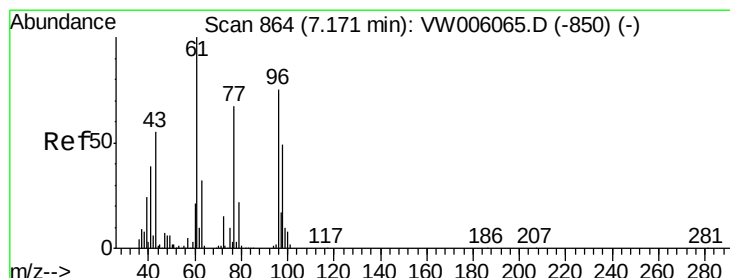
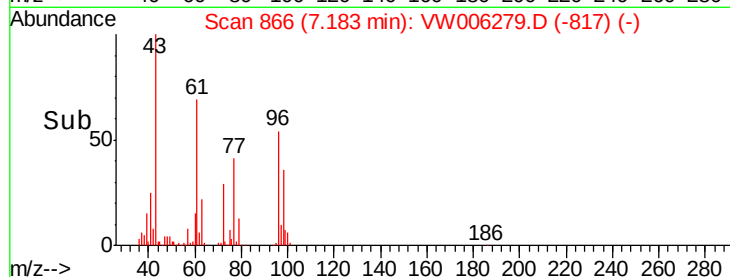
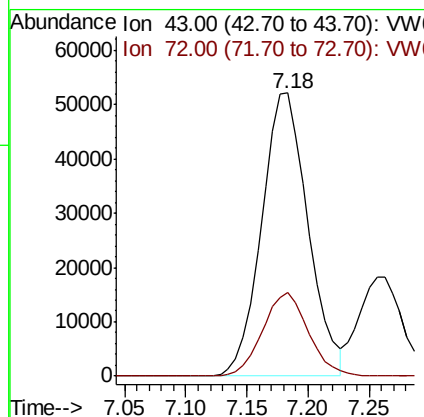
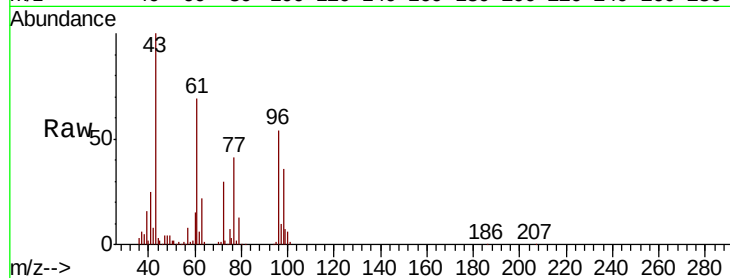
72 29.6 22.8 34.2

Manual Integrations

APPROVED

sam

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#26

2,2-Dichloropropane

Concen: 52.616 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006279.D

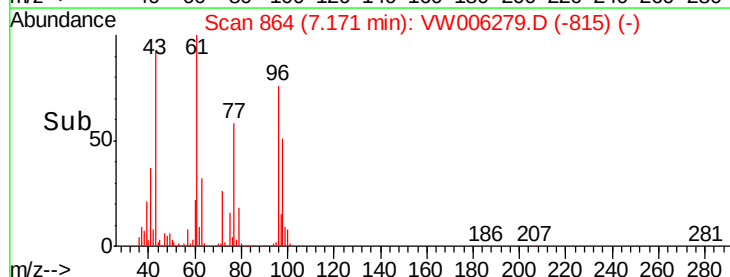
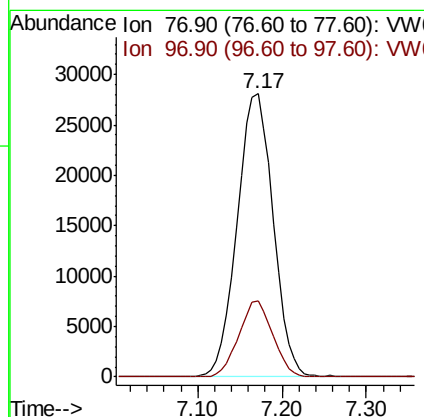
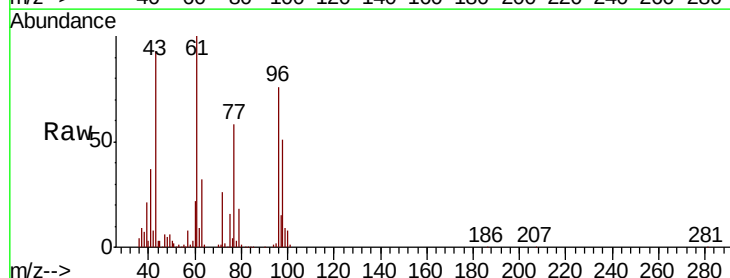
Acq: 23 Oct 2018 05:21

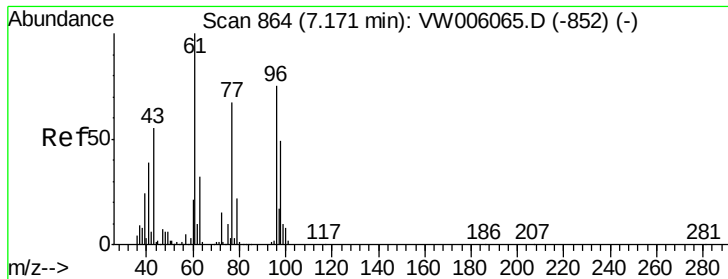
Tgt Ion: 77 Resp: 81164

Ion Ratio Lower Upper

77 100

97 25.3 12.2 36.4





#27

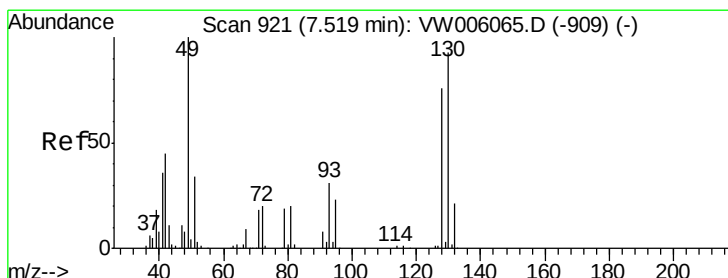
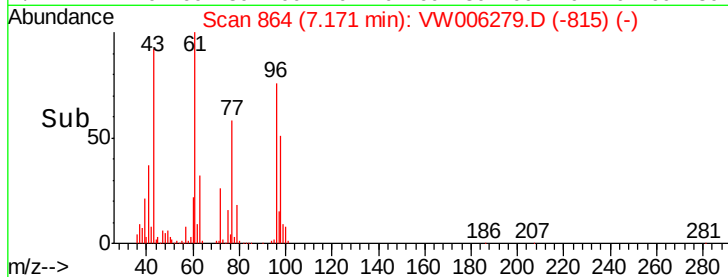
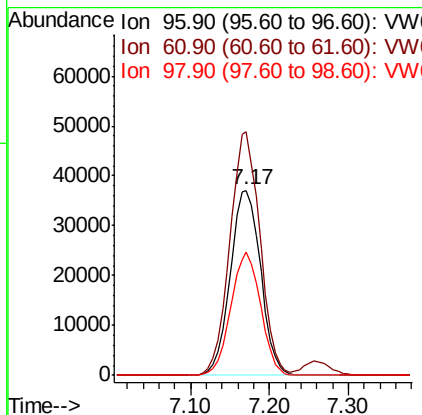
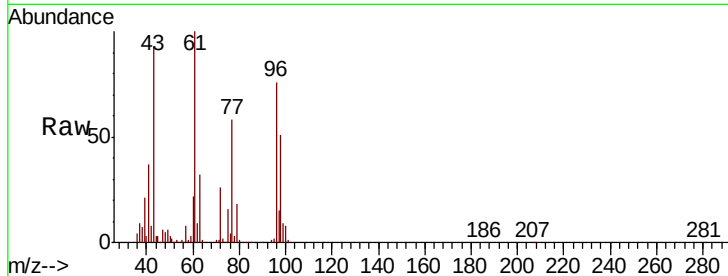
cis-1,2-Dichloroethene
Concen: 67.138 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	267.2
98	65.3	0.0	128.6

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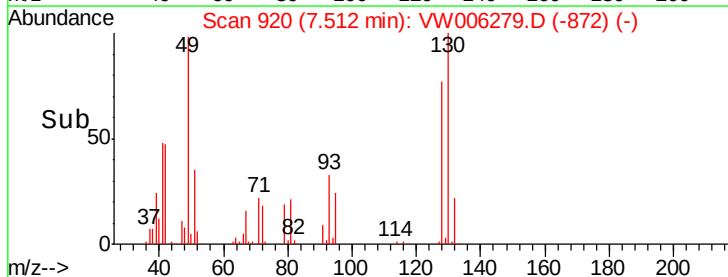
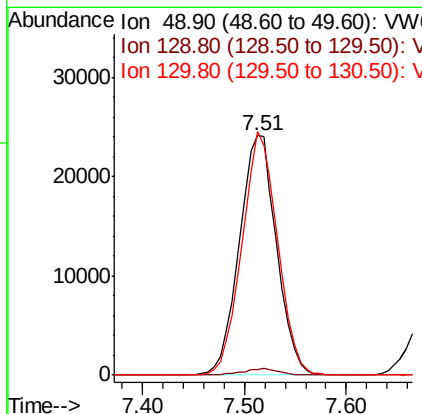
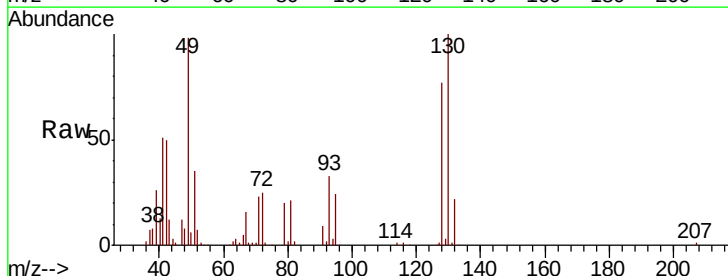
sam
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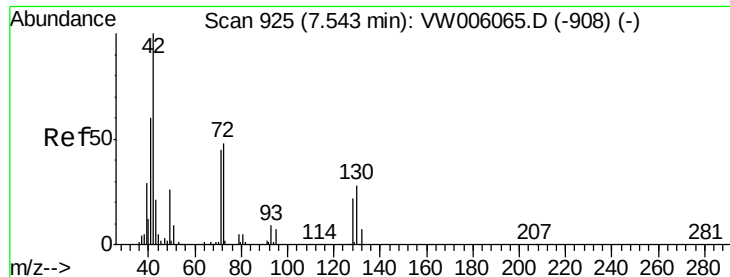


#28

Bromochloromethane
Concen: 72.571 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	96.8	73.8	110.8





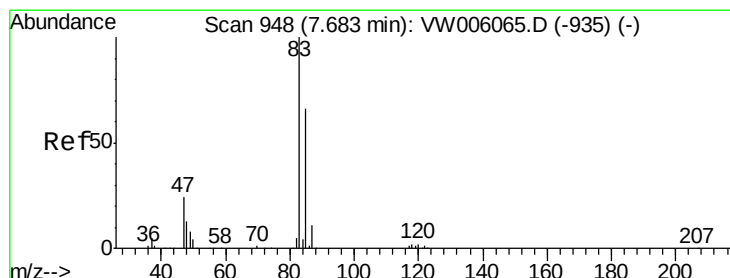
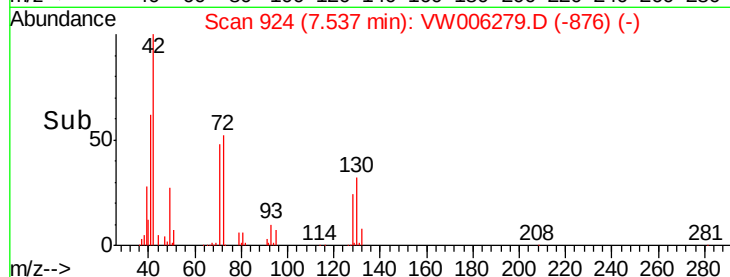
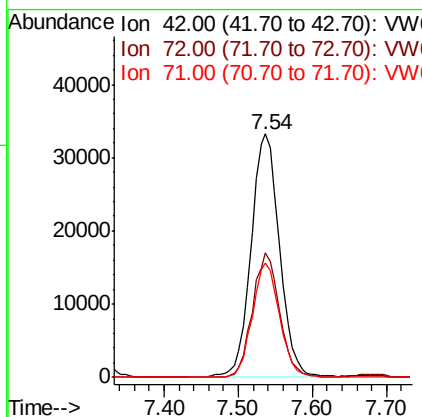
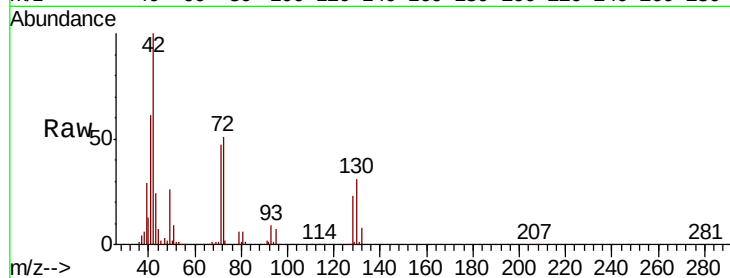
#29
Tetrahydrofuran
Concen: 451.643 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.5	38.0	57.0
71	45.0	35.3	52.9

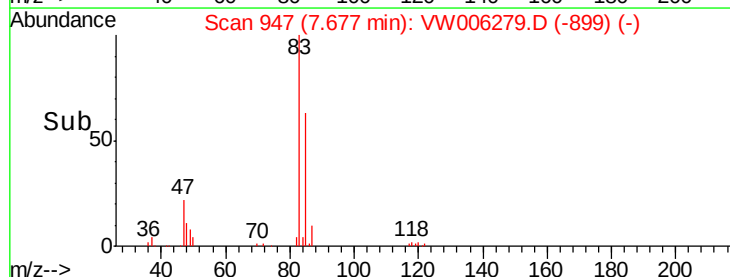
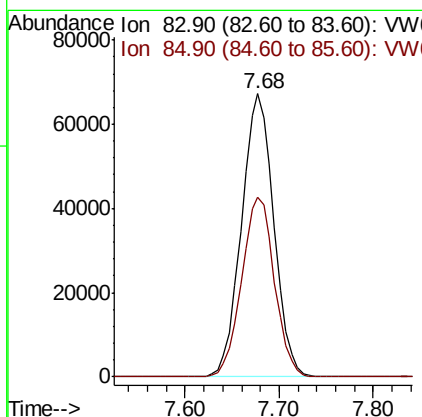
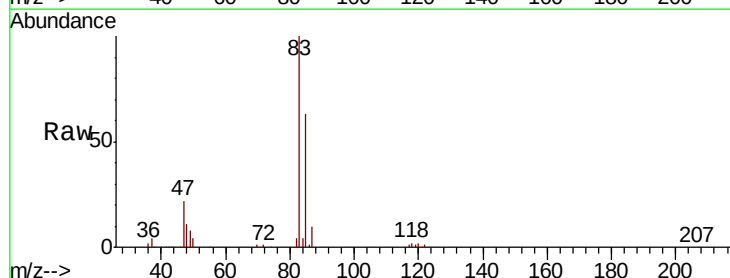
Manual Integrations
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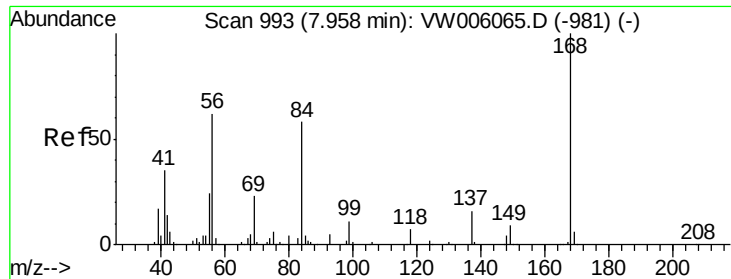
sam
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#30
Chloroform
Concen: 67.552 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.6	79.0





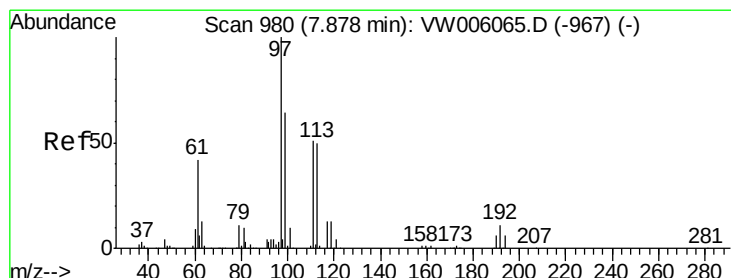
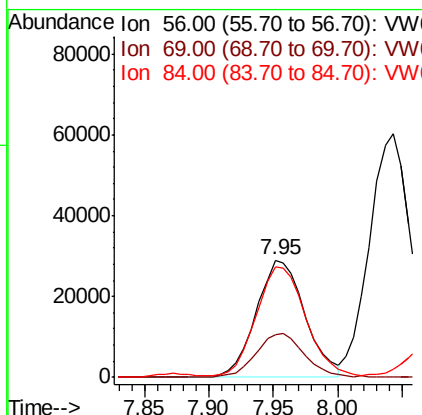
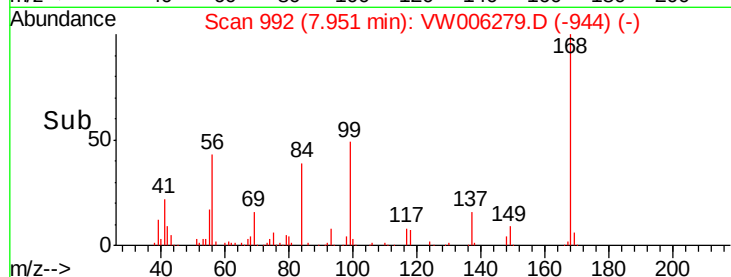
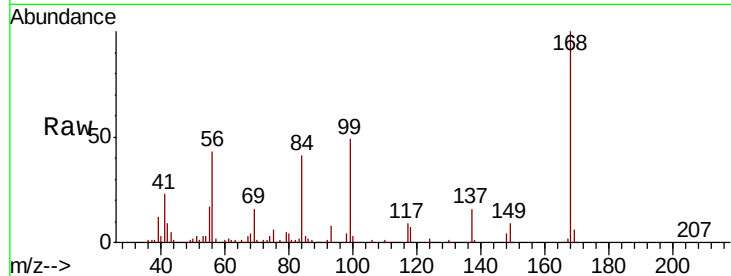
#31
Cyclohexane
Concen: 34.886 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	29.4	44.0
84	91.8	74.0	111.0

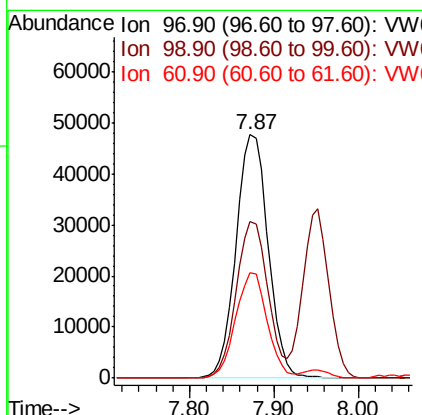
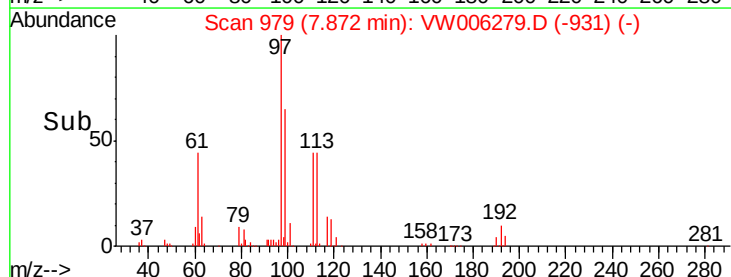
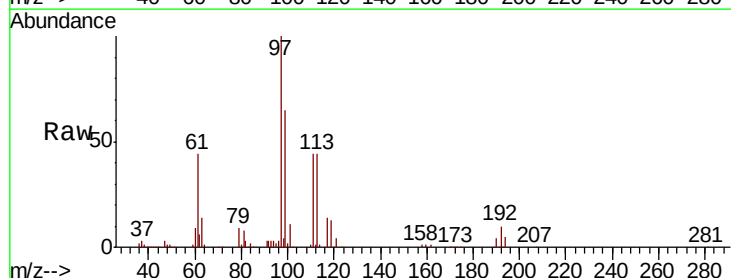
Manual Integrations
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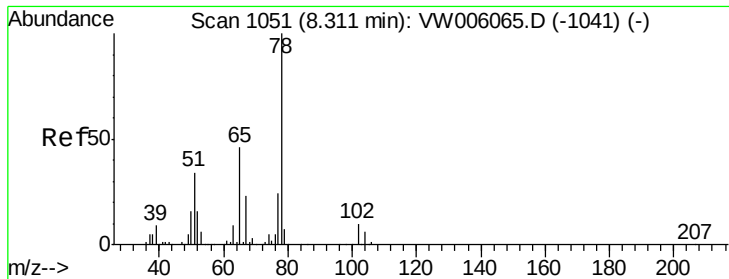
sam
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#32
1,1,1-Trichloroethane
Concen: 57.081 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.9	76.3
61	42.6	33.7	50.5





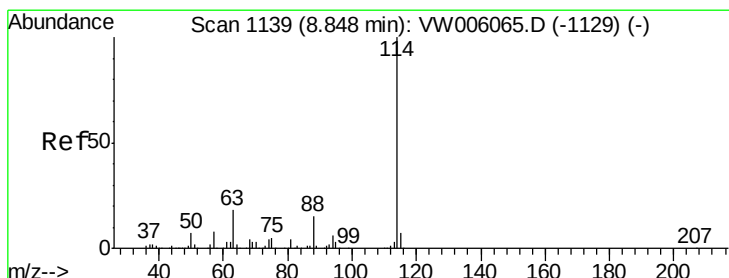
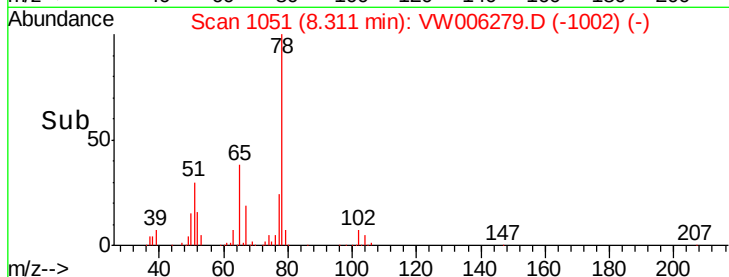
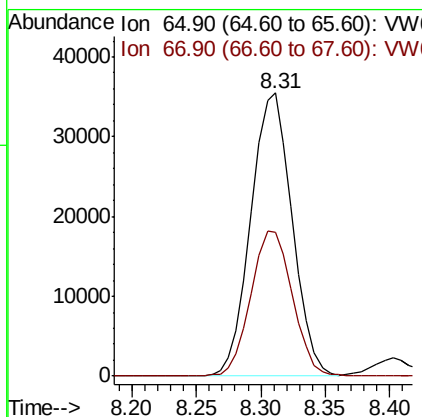
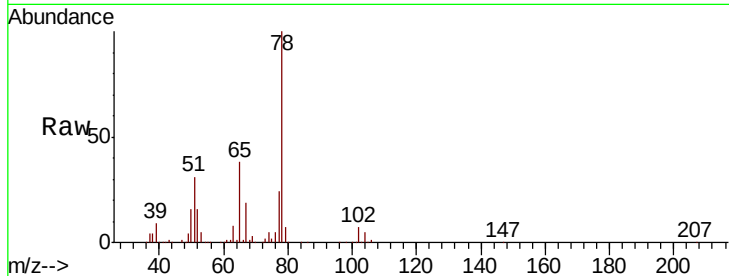
#33
 1,2-Dichloroethane-d4
 Concen: 66.192 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.0

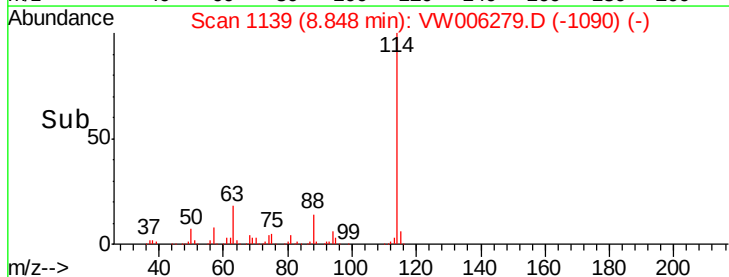
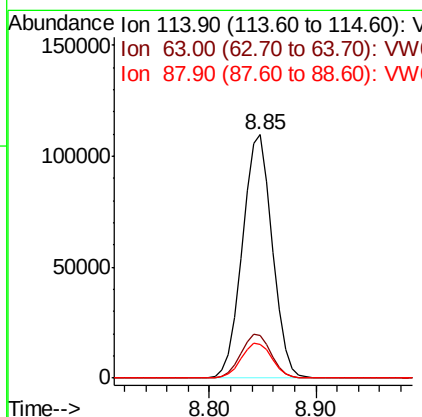
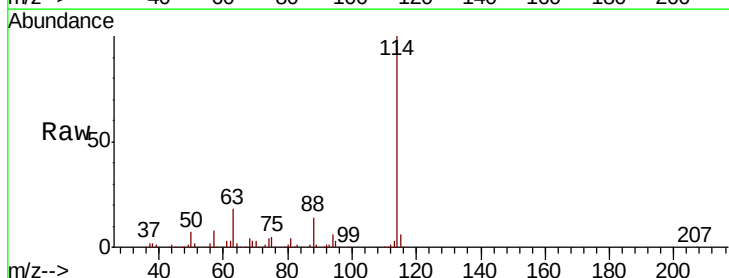
Manual Integrations
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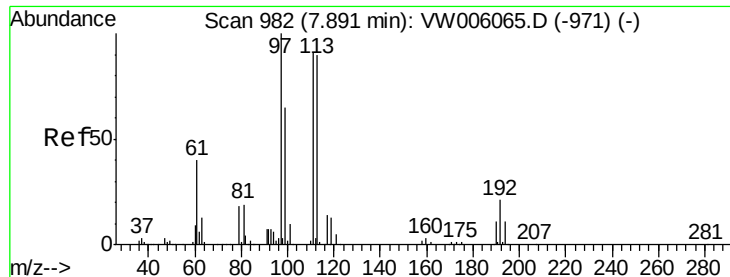
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	36.8
88	13.8	0.0	29.0





#35

Dibromofluoromethane

Concen: 57.555 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

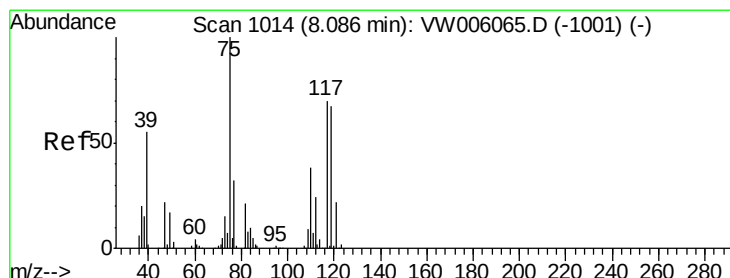
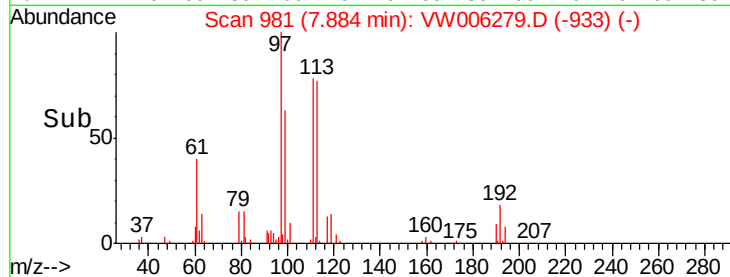
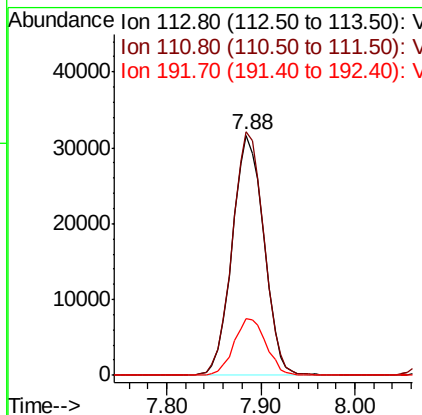
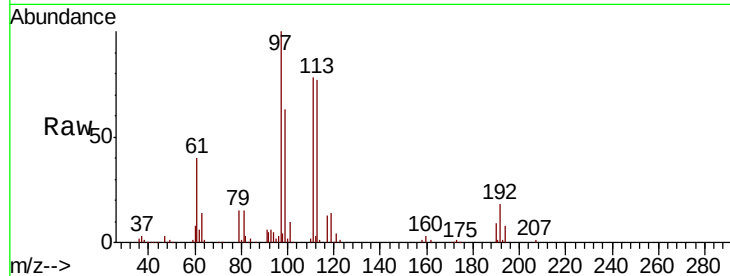
ClientSampleId :

PA-SB-01BMSD

Tot Ion:	113	Resp:	73753
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.4	122.0
192	23.8	18.7	28.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.875 ug/l

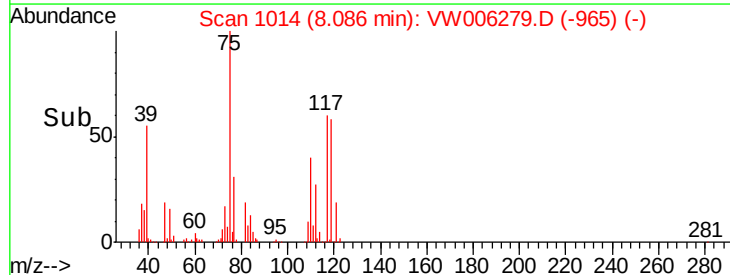
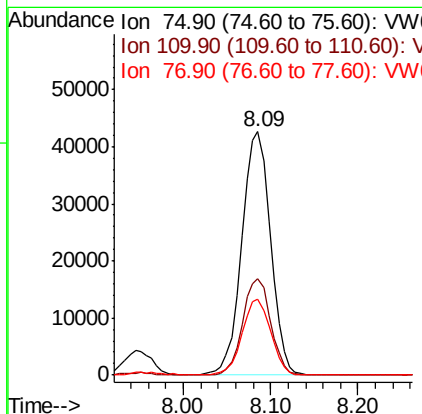
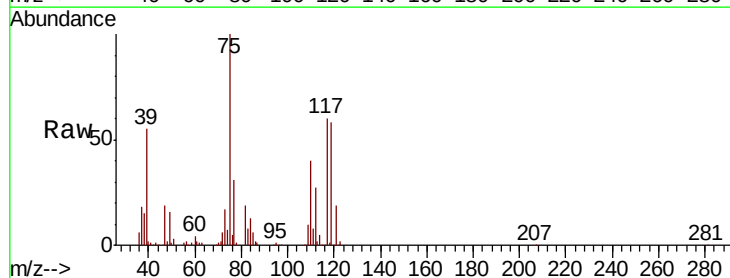
RT: 8.09 min Scan# 1014

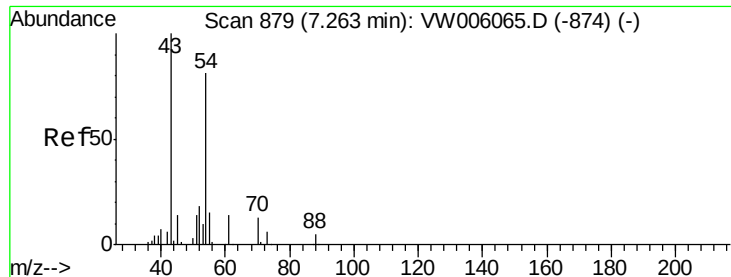
Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Tgt Ion:	75	Resp:	97695
Ion Ratio	Lower	Upper	
75	100		
110	38.5	19.1	57.1
77	31.1	25.0	37.4





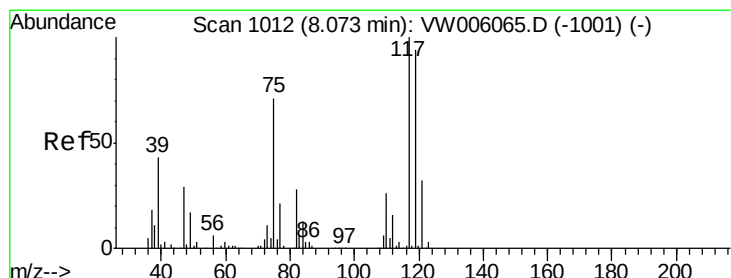
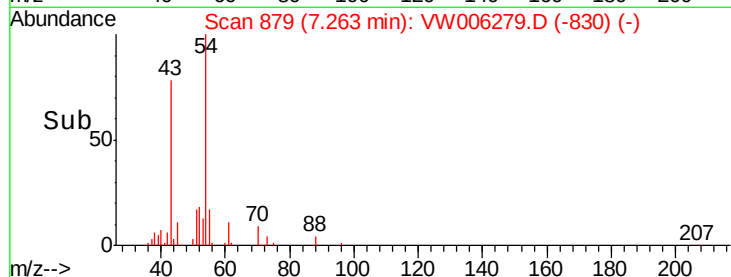
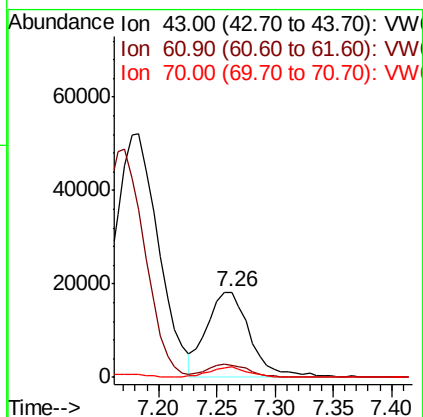
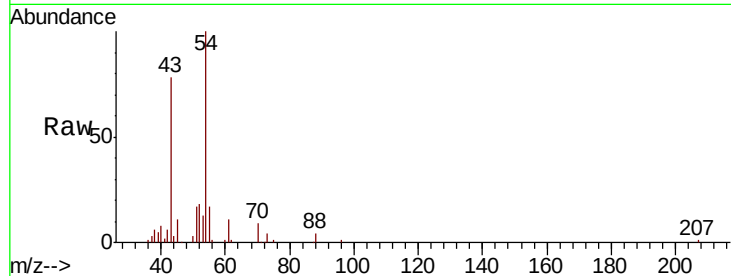
#37
Ethyl Acetate
Concen: 62.308 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion	43	Resp	46274
Ion Ratio	100	Lower	Upper
43	100		
61	15.1	11.5	17.3
70	11.5	9.2	13.8

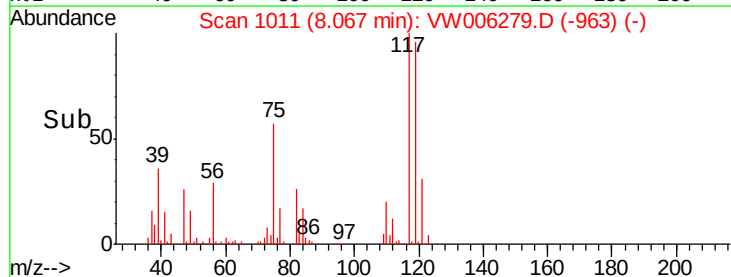
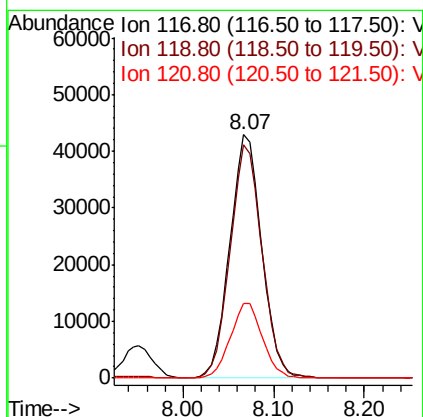
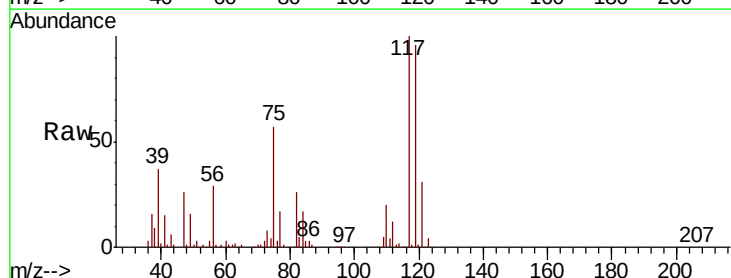
Manual Integrations
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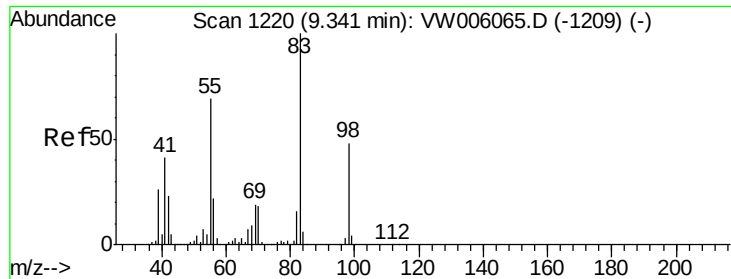
sam
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#38
Carbon Tetrachloride
Concen: 47.705 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	117	Resp	104535
Ion Ratio	100	Lower	Upper
117	100		
119	95.7	75.2	112.8
121	30.6	25.3	37.9





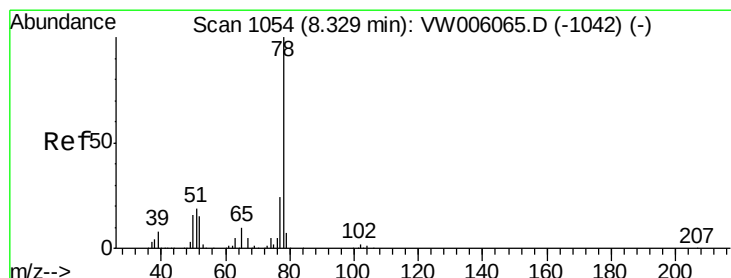
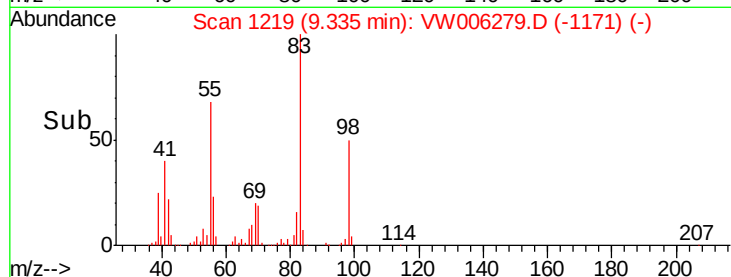
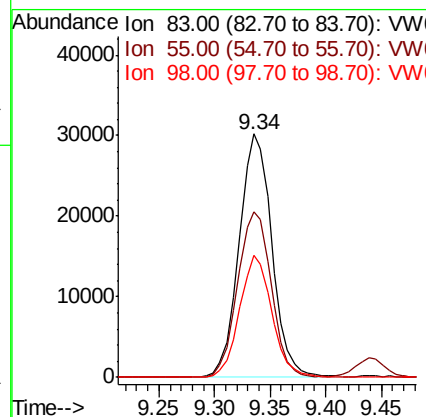
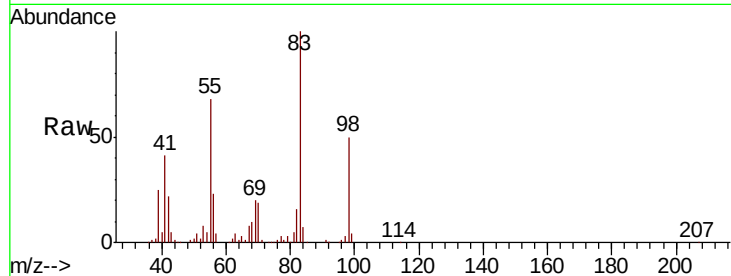
#39
Methylvlcyclohexane
Concen: 23.188 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	55.0	82.6
98	50.2	38.6	57.8

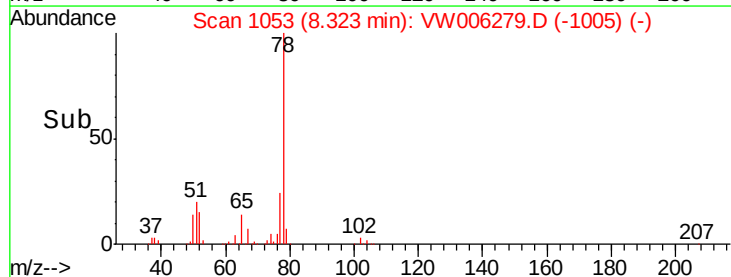
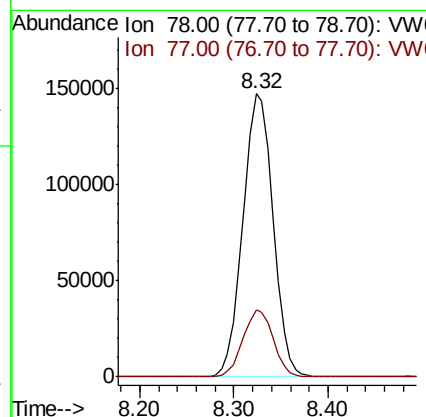
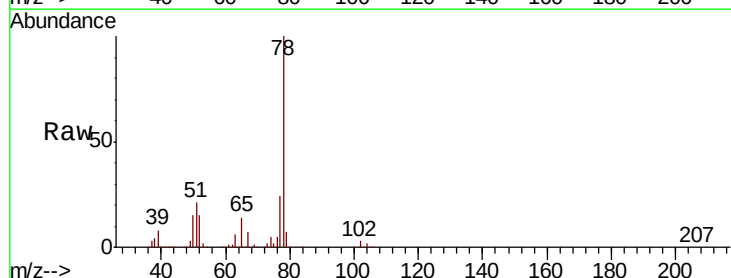
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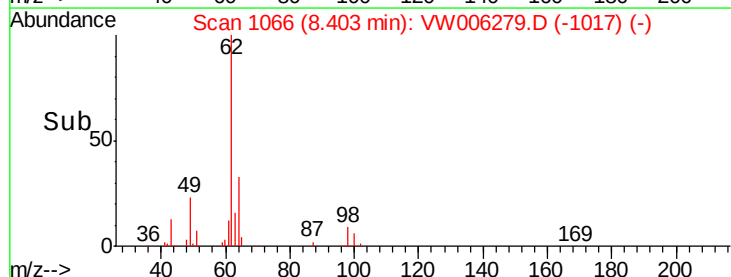
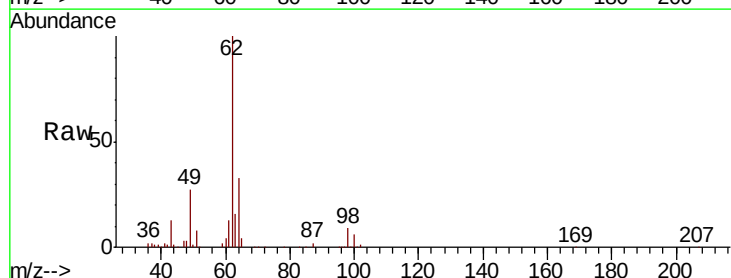
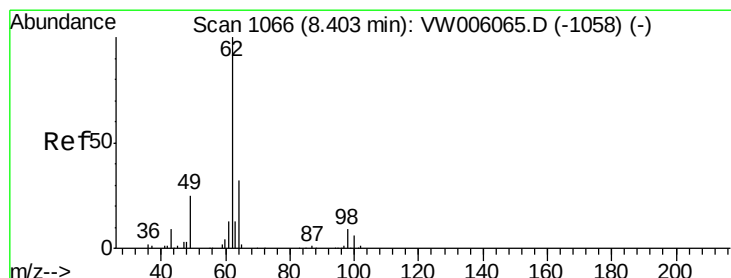
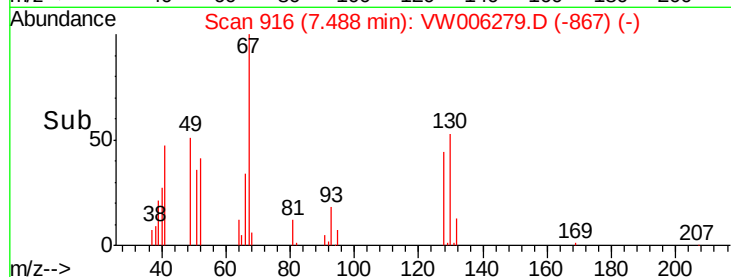
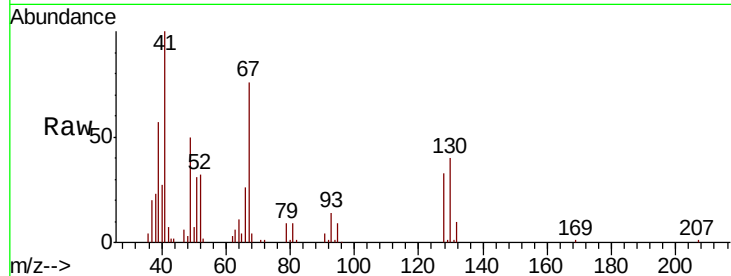
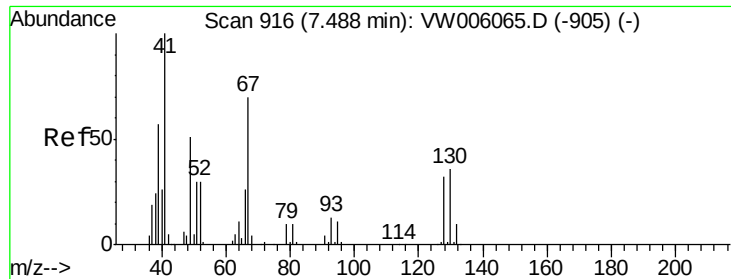
sam
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#40
Benzene
Concen: 59.982 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

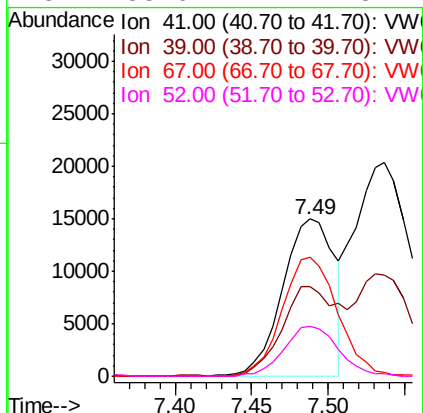
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





#41
Methacrylonitrile
Concen: 78.969 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100			
39	39	64.0	46.2	69.4	
67	67	81.2	57.7	86.5	
52	52	33.6	24.7	37.1	



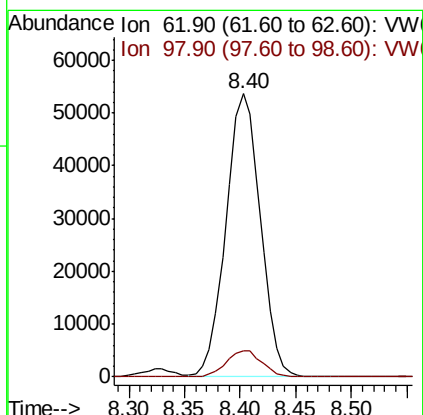
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

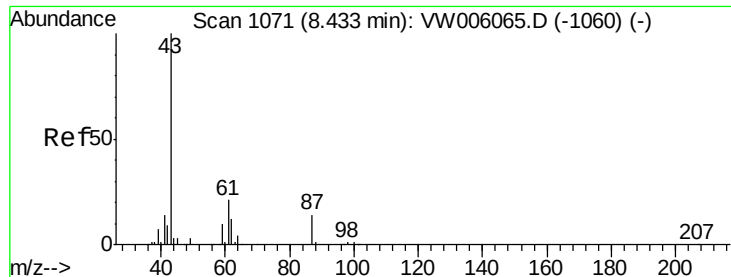
Manual Integrations
APPROVED

sam
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#42
1,2-Dichloroethane
Concen: 71.381 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100			
98	98	9.6	0.0	18.4	





#43

Isopropyl Acetate

Concen: 68.055 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

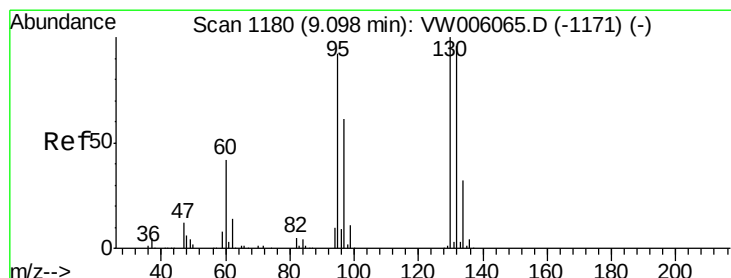
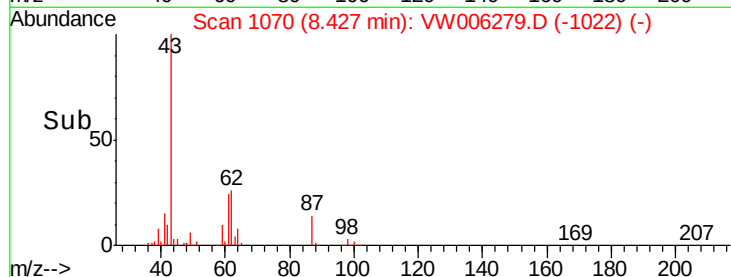
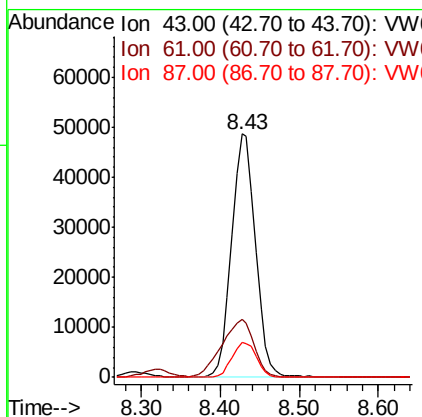
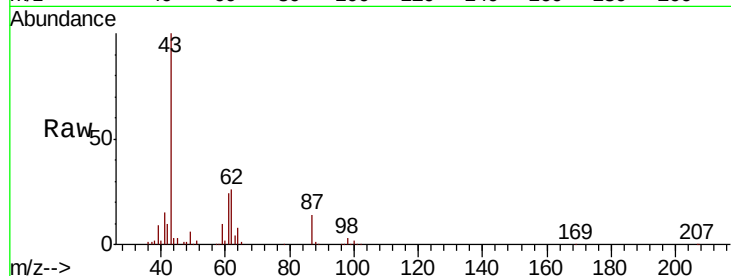
ClientSampleId :

PA-SB-01BMSD

Tot Ion:	43	Resp:	103340
Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.5	38.3
87	14.7	11.7	17.5

Manual Integrations
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sam
10/24/2018 5:33:39 PM



#44

Trichloroethene

Concen: 48.971 ug/l

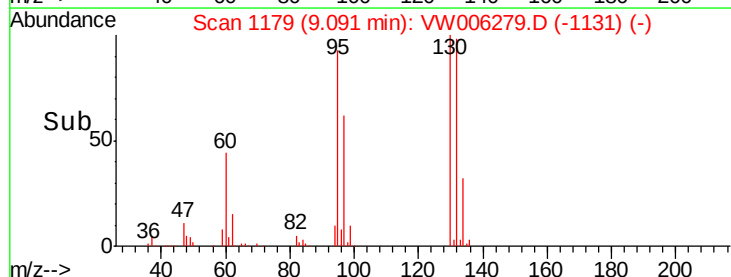
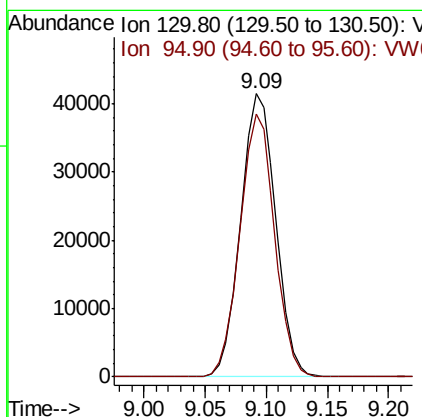
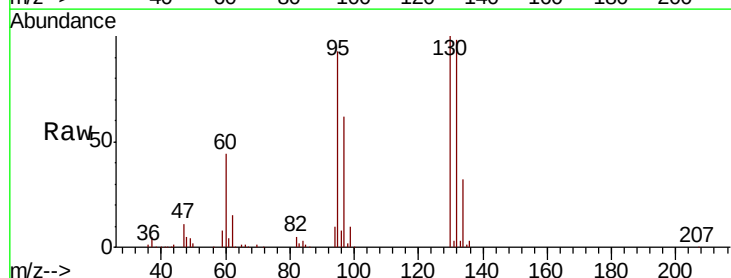
RT: 9.09 min Scan# 1179

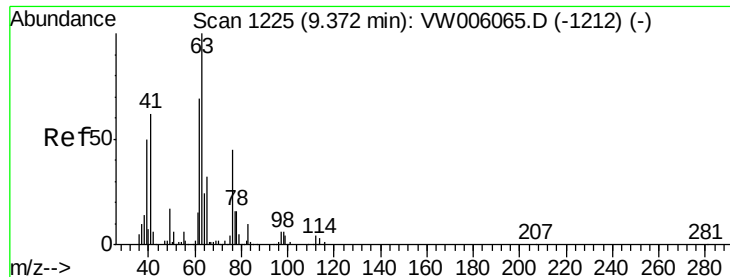
Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Tgt Ion:	130	Resp:	82380
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	183.2





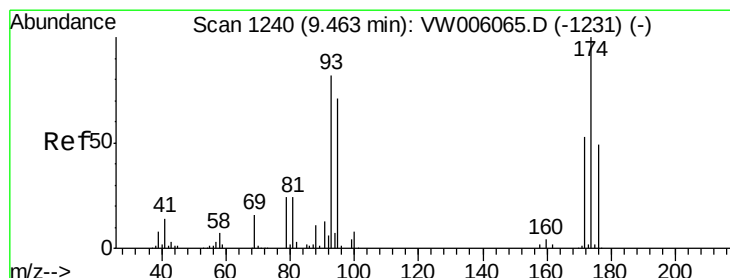
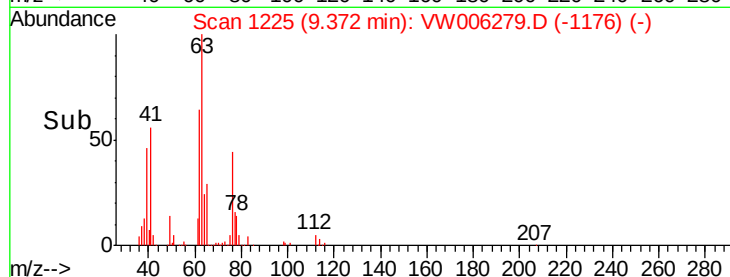
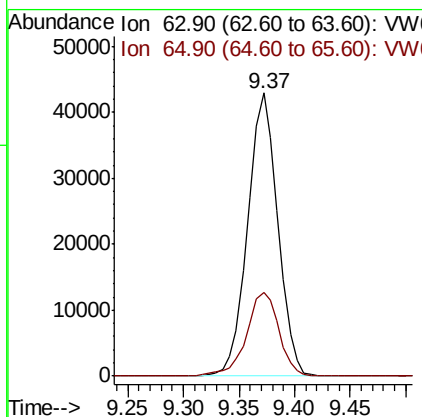
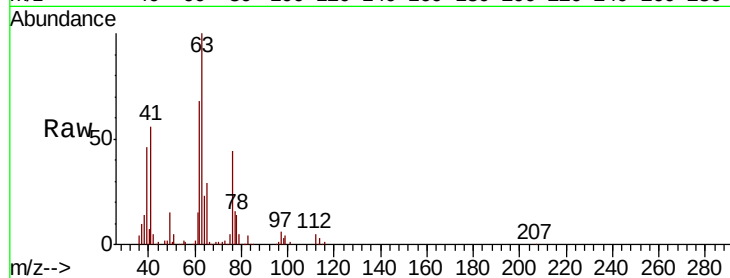
#45
 1,2-Dichloropropane
 Concen: 61.651 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.4	38.0

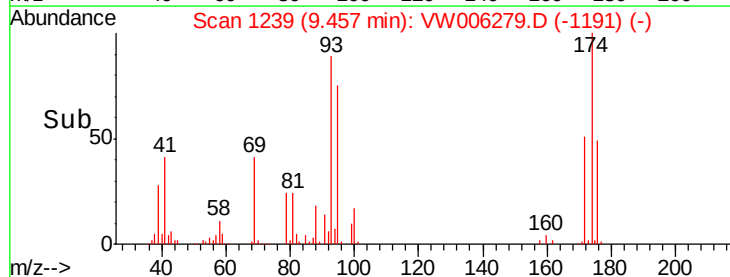
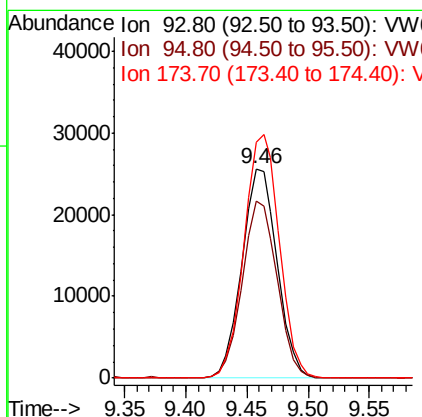
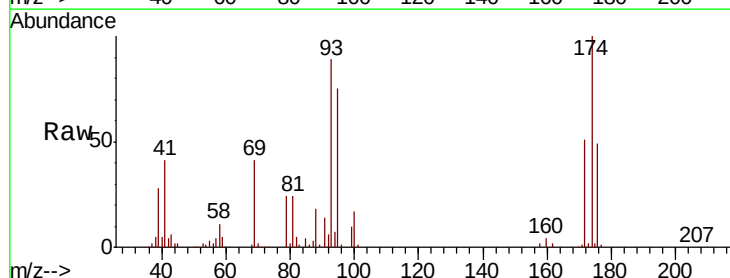
Manual Integrations
 APPROVED

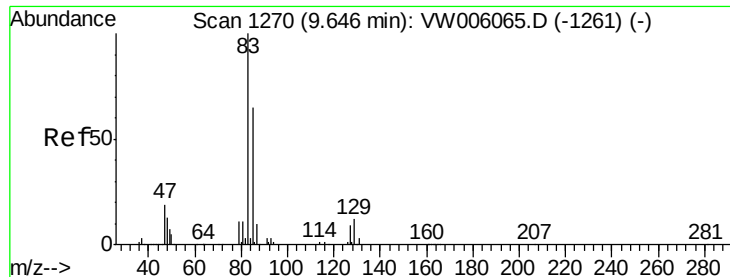
sam
 10/24/2018 5:33:39 PM



#46
 Dibromomethane
 Concen: 68.660 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	67.7	101.5
174	116.4	93.7	140.5





#47

Bromodichloromethane

Concen: 56.967 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

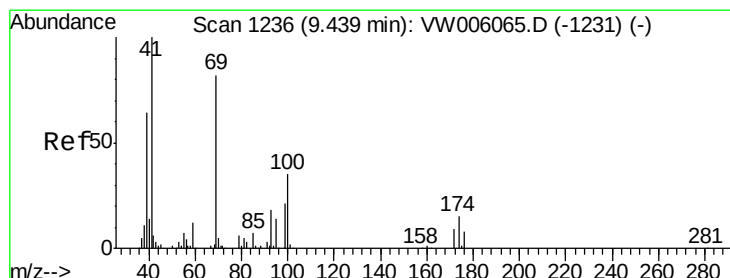
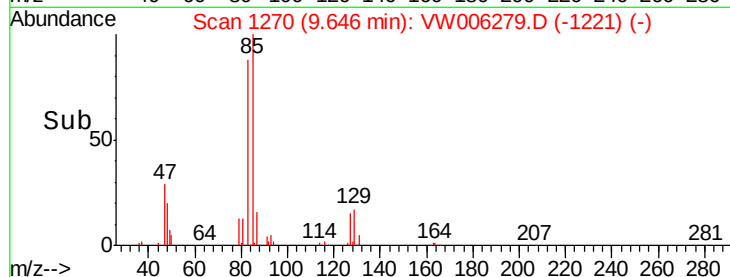
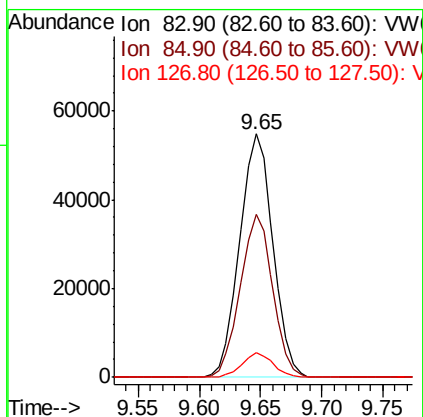
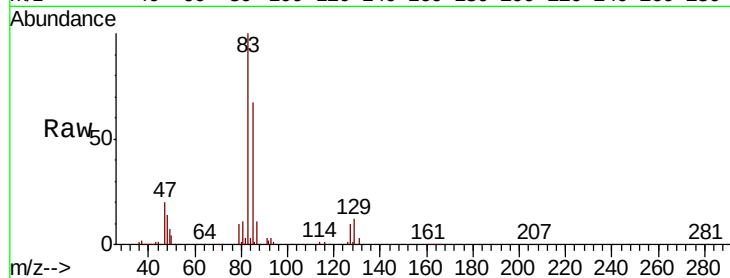
ClientSampleId :

PA-SB-01BMSD

Tot Ion:	83	Resp:	103283
Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.8	77.8
127	10.1	6.9	10.3

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 91.953 ug/l

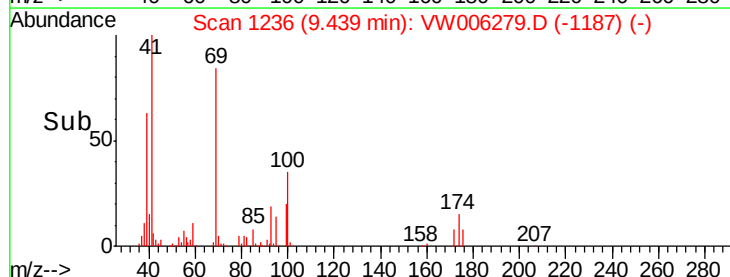
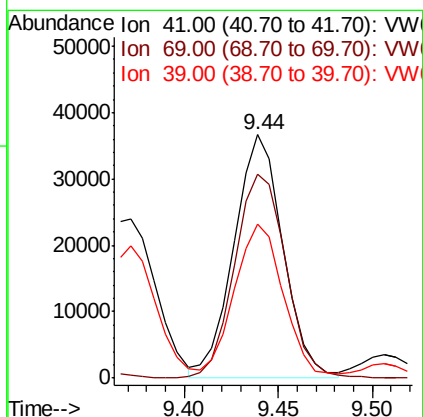
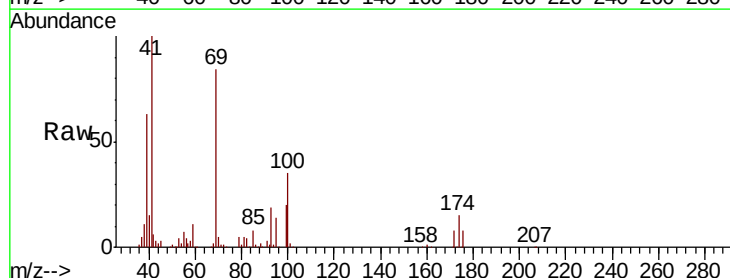
RT: 9.44 min Scan# 1236

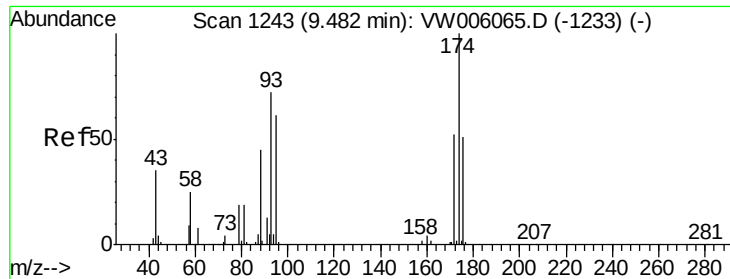
Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Tgt Ion:	41	Resp:	66186
Ion	Ratio	Lower	Upper
41	100		
69	87.7	71.8	107.8
39	63.4	52.5	78.7





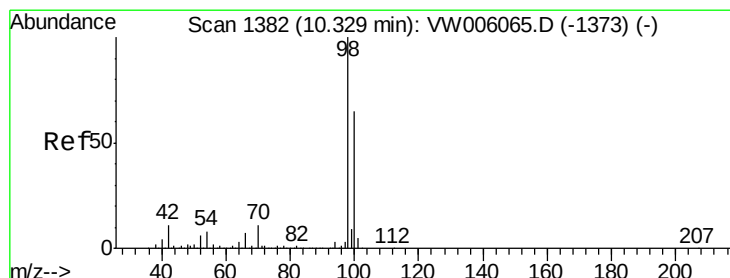
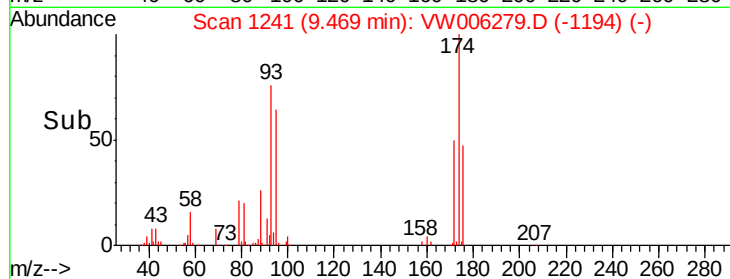
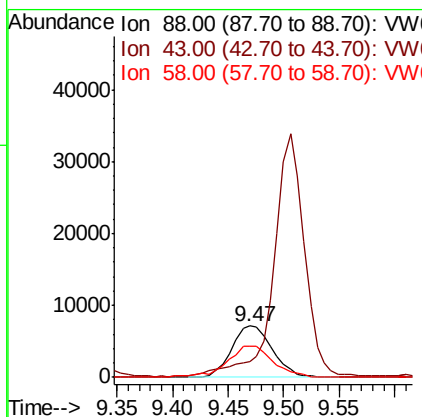
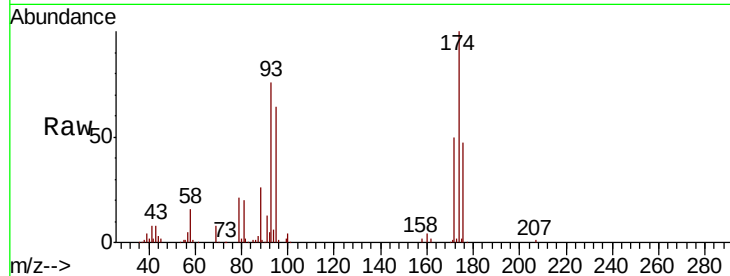
#49
1,4-Dioxane
Concen: 1577.693 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion	88	Resp	18163
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	68.9	51.2	76.8

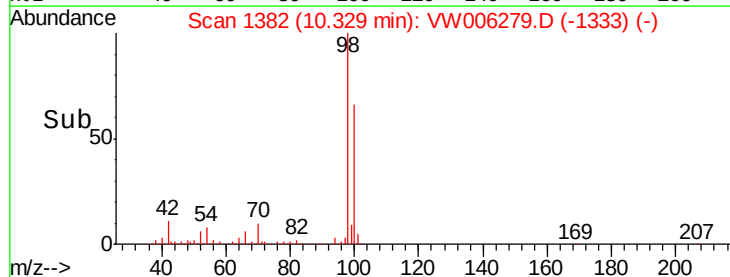
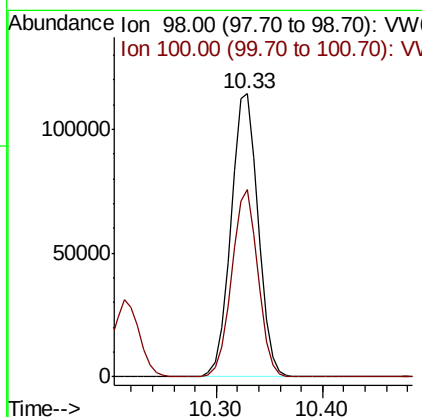
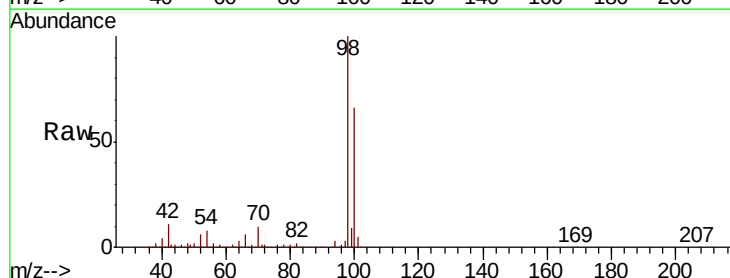
Manual Integrations
APPROVED

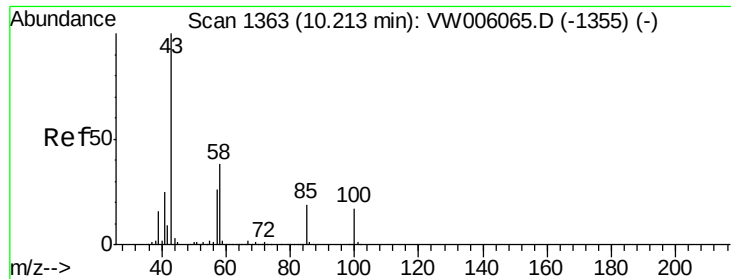
sam
10/24/2018 5:33:39 PM



#50
Toluene-d8
Concen: 41.962 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	98	Resp	204578
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 398.568 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion: 43 Resp: 303237

Ion Ratio Lower Upper

43 100

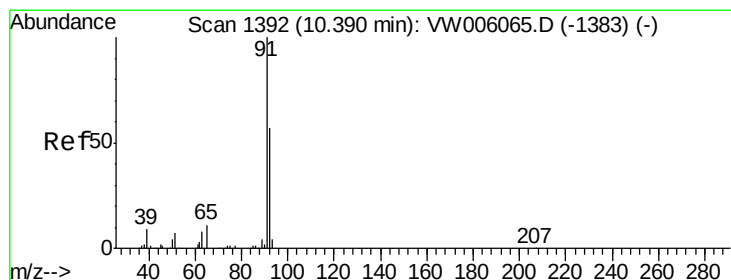
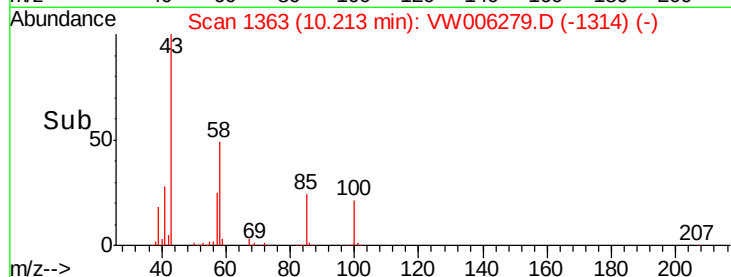
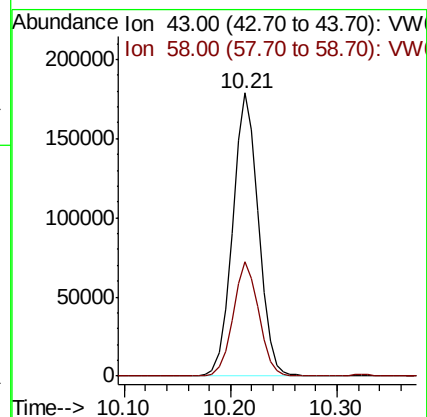
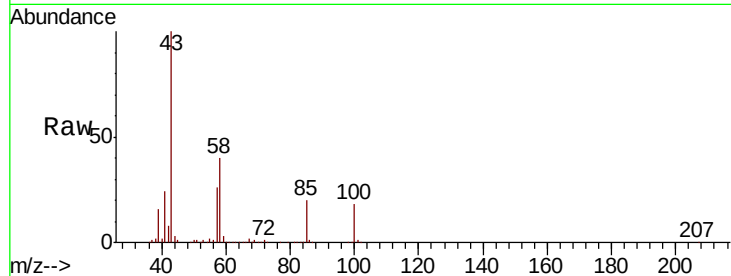
58 40.3 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 46.520 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006279.D

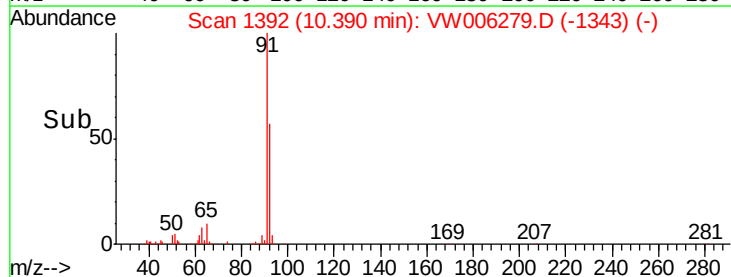
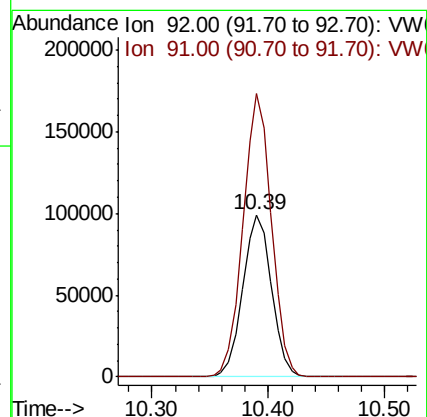
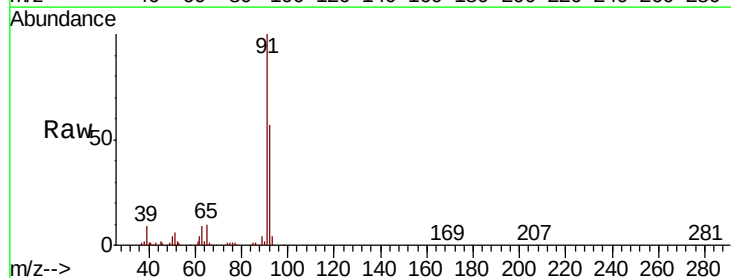
Acq: 23 Oct 2018 05:21

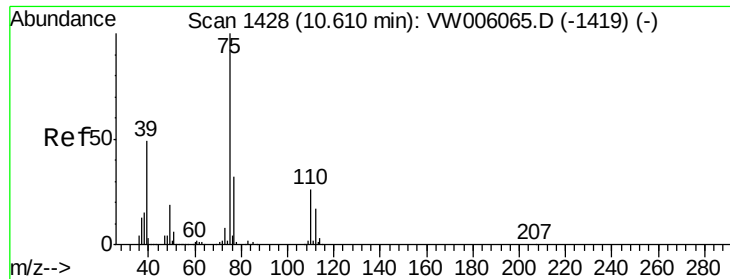
Tgt Ion: 92 Resp: 171008

Ion Ratio Lower Upper

92 100

91 172.5 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 54.661 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion: 75 Resp: 98738

Ion Ratio Lower Upper

75 100

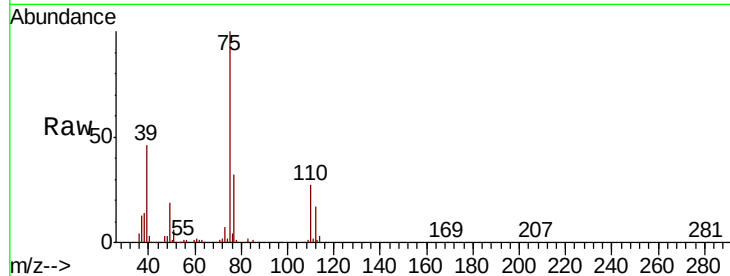
77 31.8 25.4 38.2

Manual Integrations

APPROVED

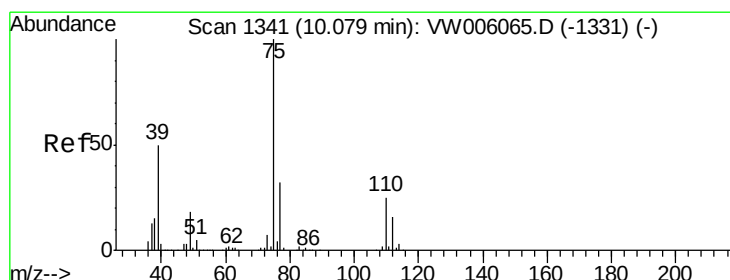
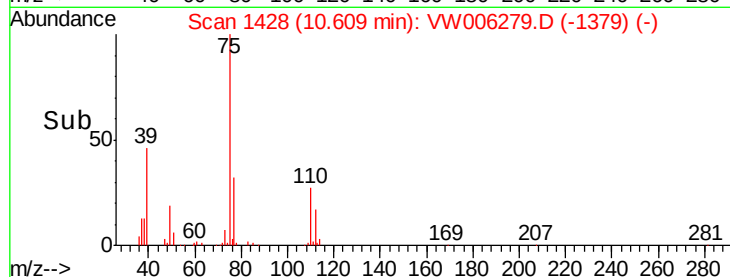
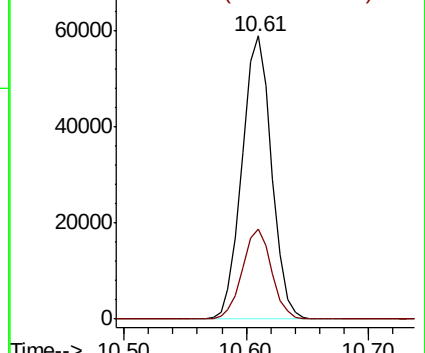
sam

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 56.699 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

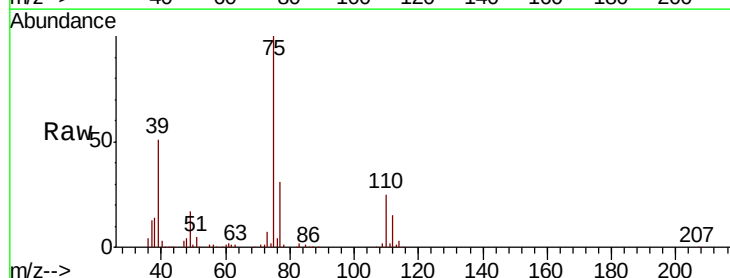
Tgt Ion: 75 Resp: 117547

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

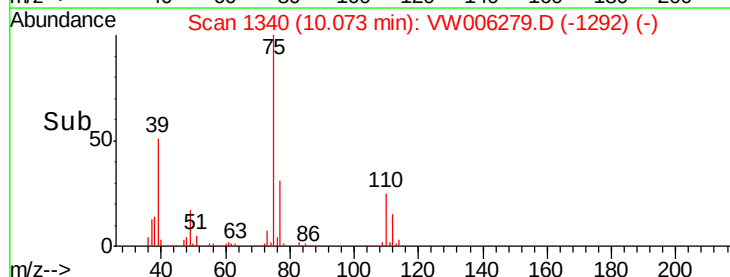
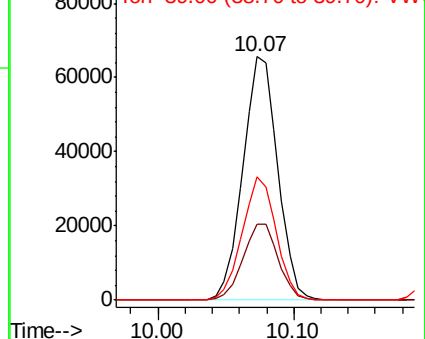
39 50.7 39.9 59.9

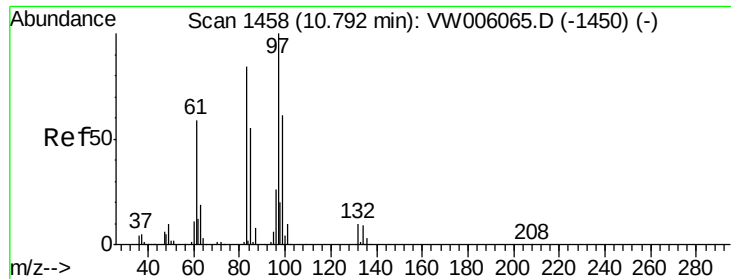


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





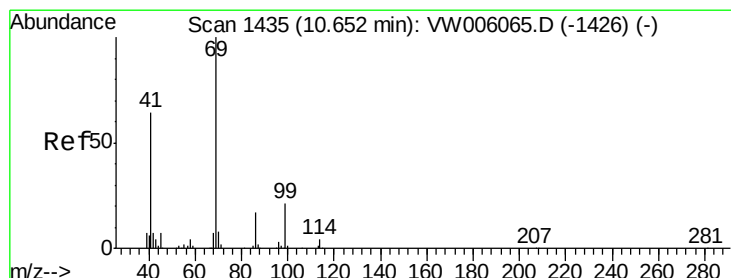
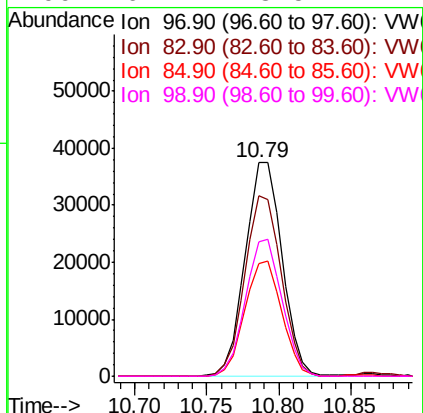
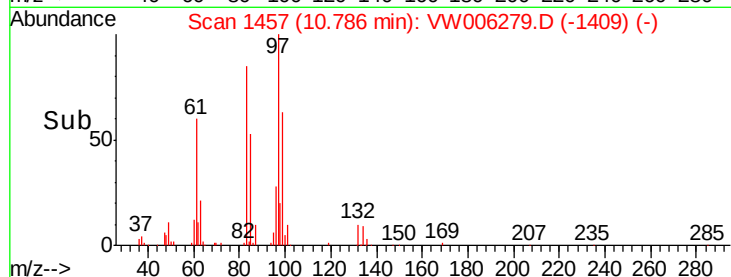
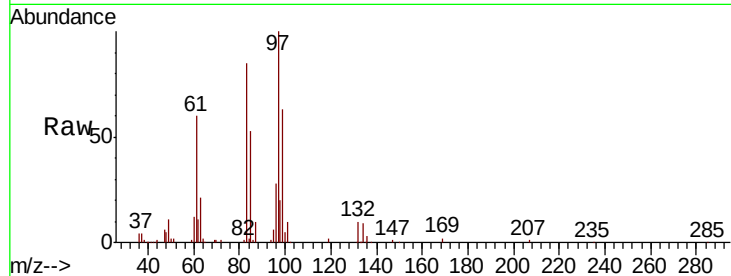
#55
 1,1,2-Trichloroethane
 Concen: 63.558 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

Tot Ion:	97	Resp:	66513
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.2	100.8
85	52.6	43.7	65.5
99	62.7	48.5	72.7

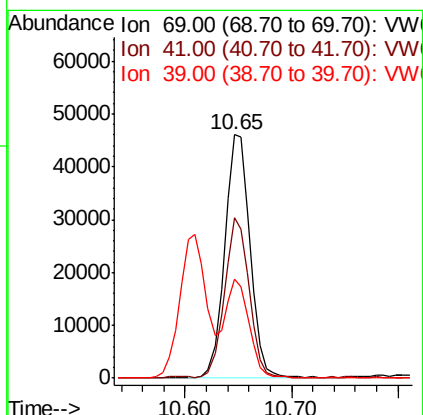
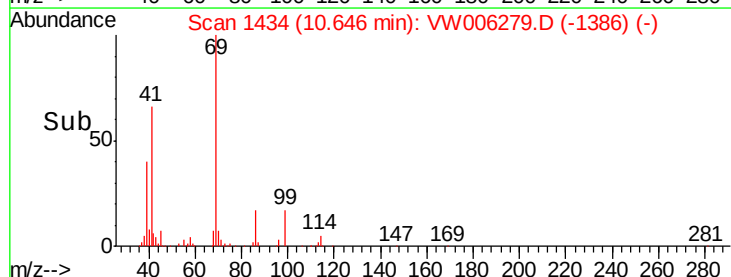
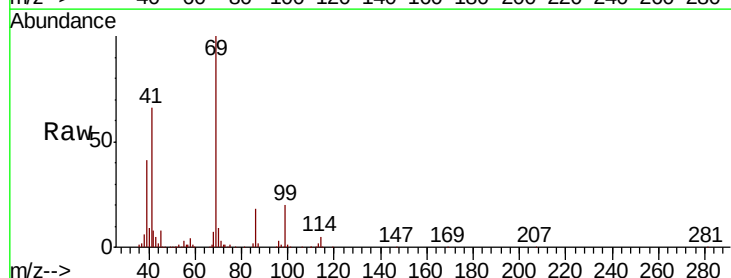
Manual Integrations
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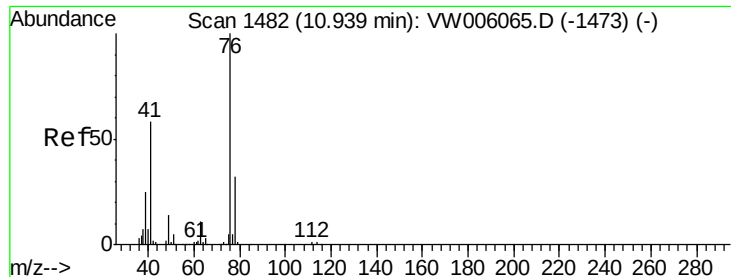
sam
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#56
 Ethyl methacrylate
 Concen: 59.261 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion:	69	Resp:	76027
Ion	Ratio	Lower	Upper
69	100		
41	63.8	52.8	79.2
39	39.0	30.6	45.8





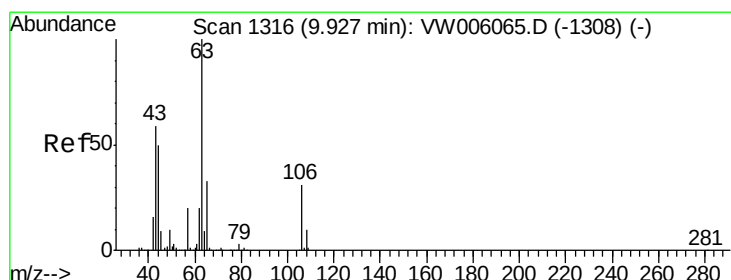
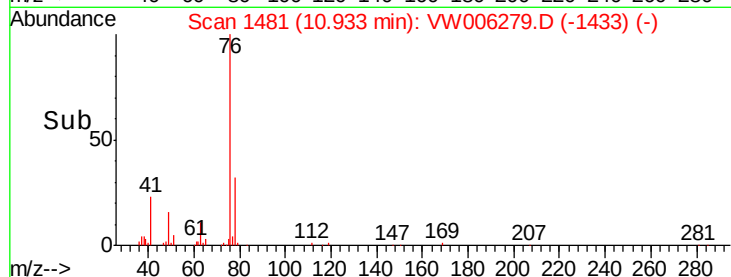
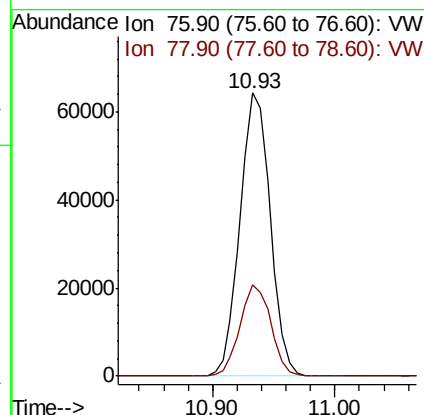
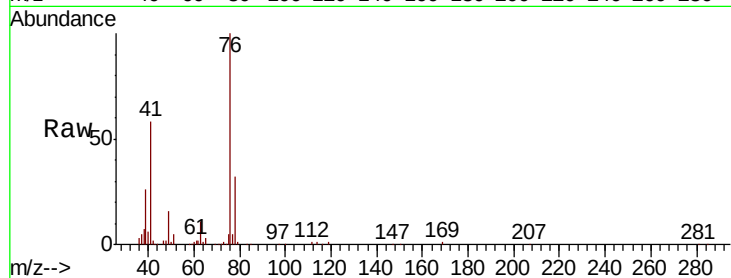
#57
 1,3-Dichloropropane
 Concen: 63.530 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9

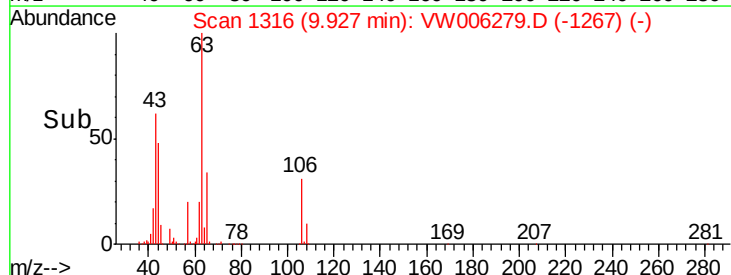
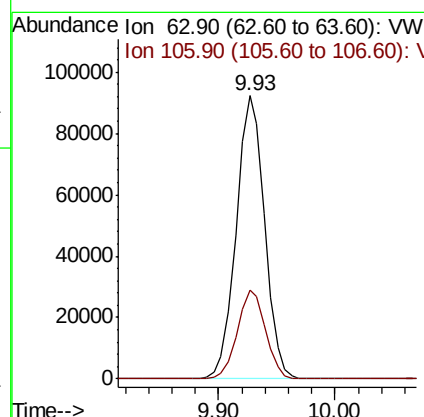
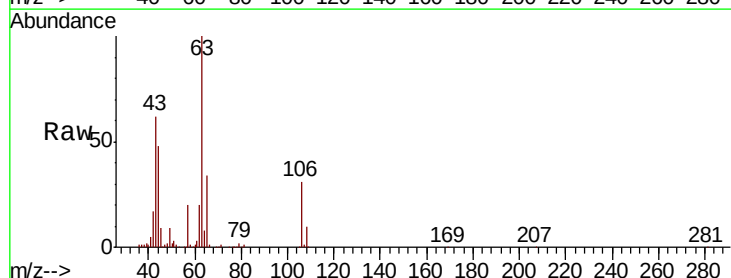
Manual Integrations
 APPROVED

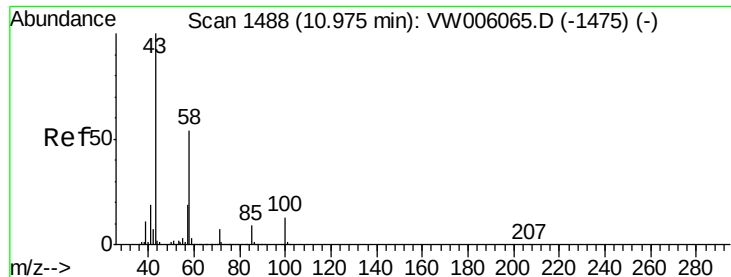
sam
 10/24/2018 5:33:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 317.827 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.2	24.5	36.7





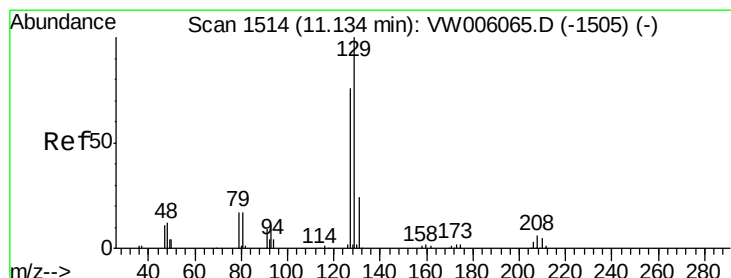
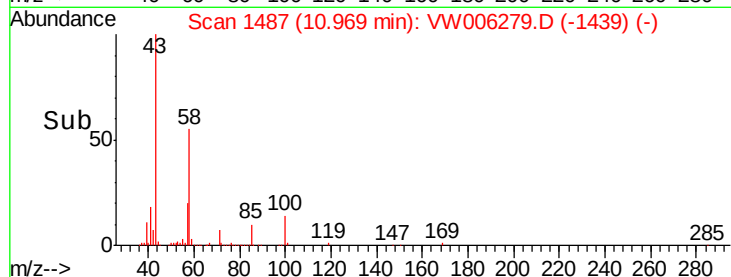
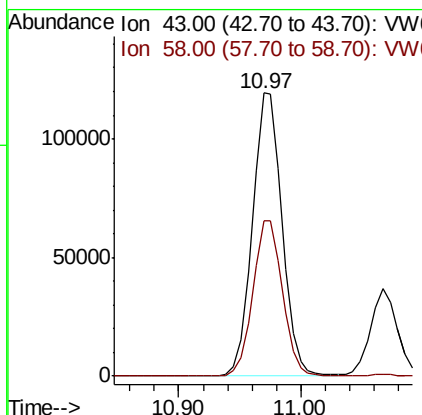
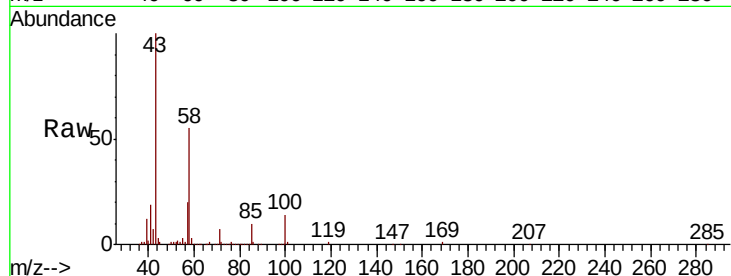
#59
2-Hexanone
Concen: 370.990 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion	43	Resp	201484
Ion Ratio	43	100	
Lower	58	55.0	26.9
Upper			80.6

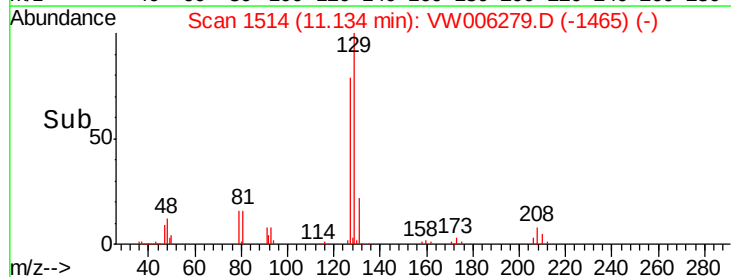
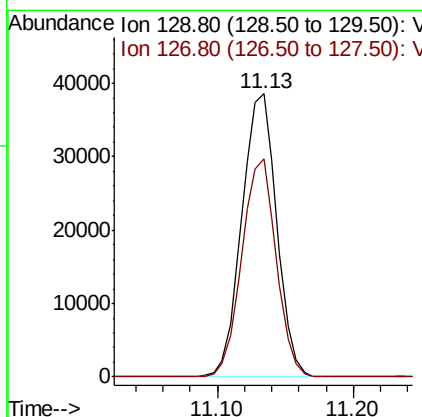
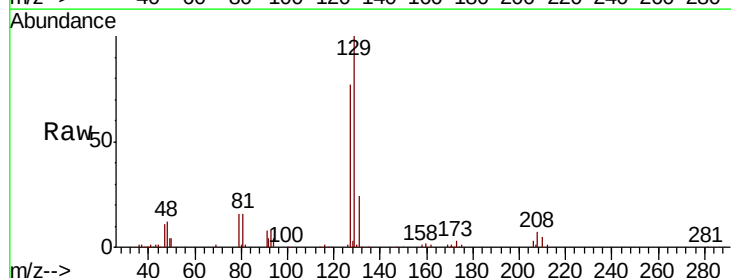
Manual Integrations
APPROVED

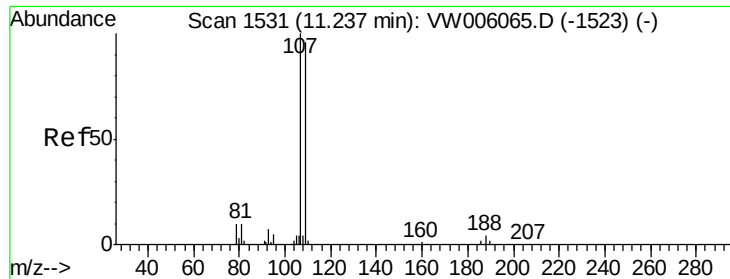
sam
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#60
Dibromochloromethane
Concen: 53.198 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	129	Resp	69344
Ion Ratio	129	100	
Lower	127	75.8	38.6
Upper			115.7





#61

1,2-Dibromoethane

Concen: 61.355 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion:107 Resp: 64155

Ion Ratio Lower Upper

107 100

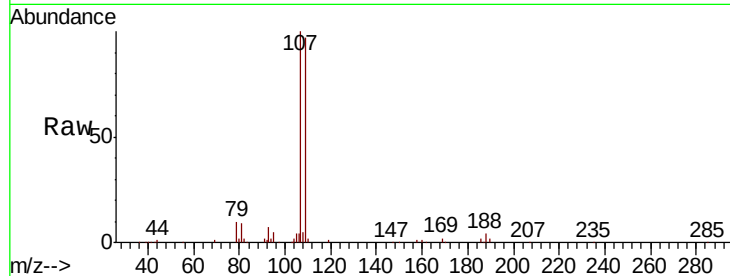
109 95.3 76.3 114.5

Manual Integrations

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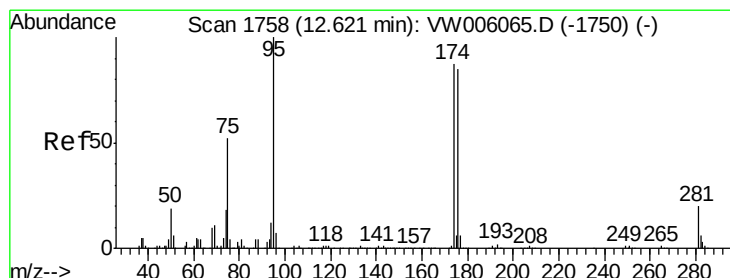
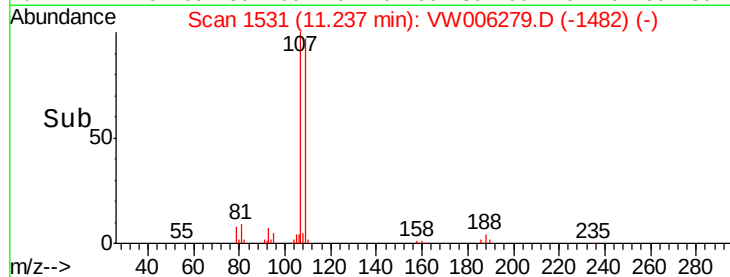
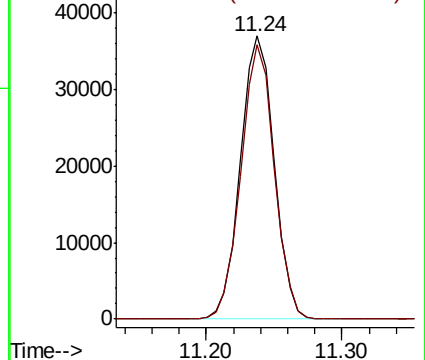
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 26.688 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

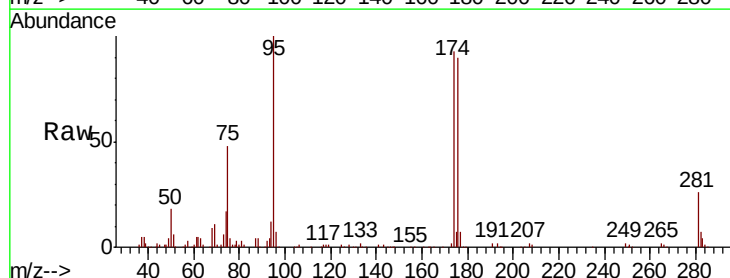
Tgt Ion: 95 Resp: 48868

Ion Ratio Lower Upper

95 100

174 95.1 0.0 186.0

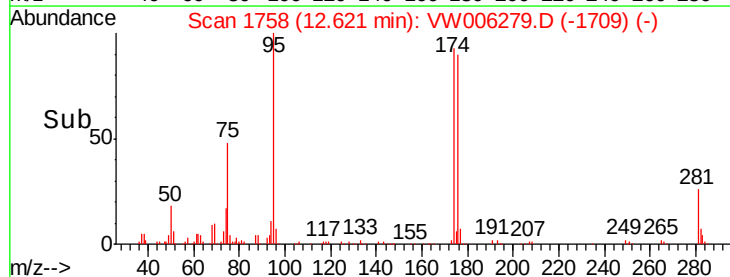
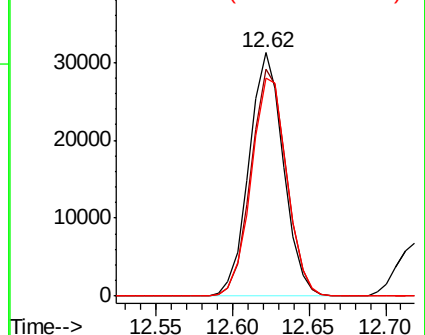
176 92.9 0.0 181.6

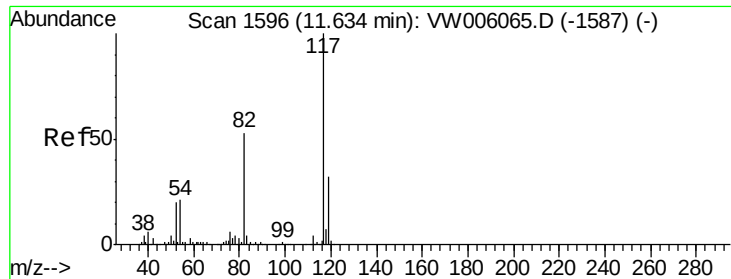


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





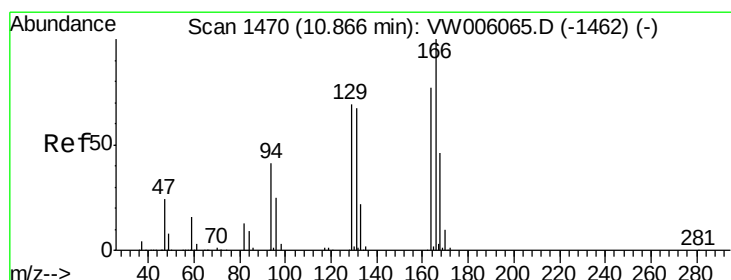
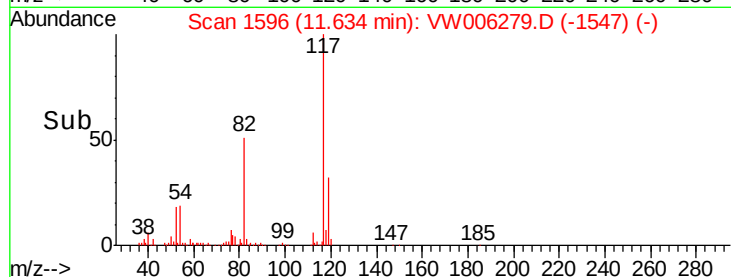
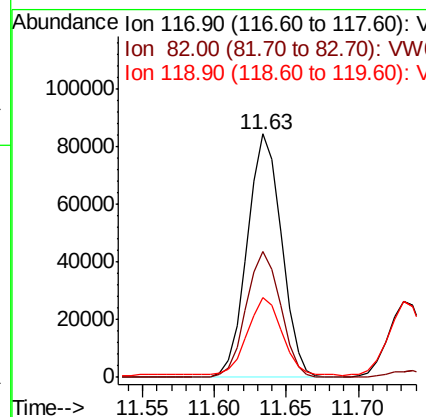
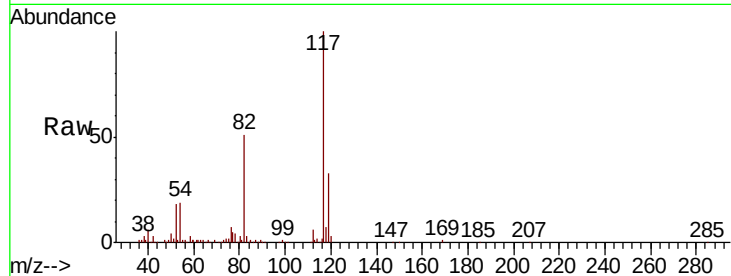
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.1	63.1
119	31.8	25.8	38.6

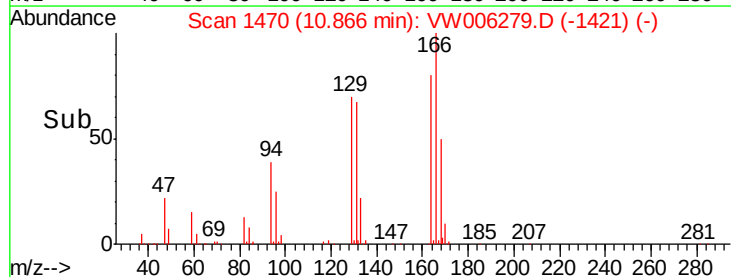
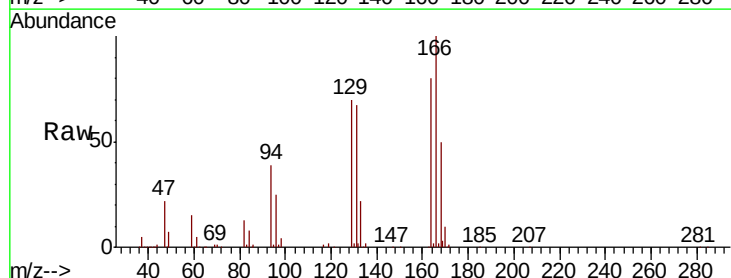
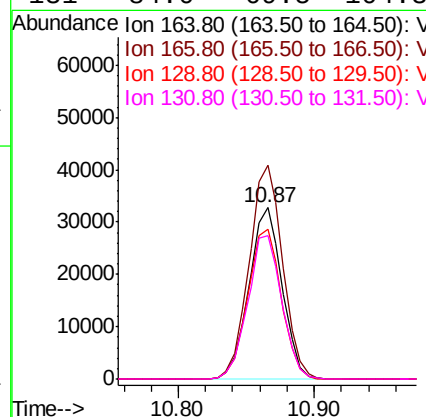
Manual Integrations
APPROVED

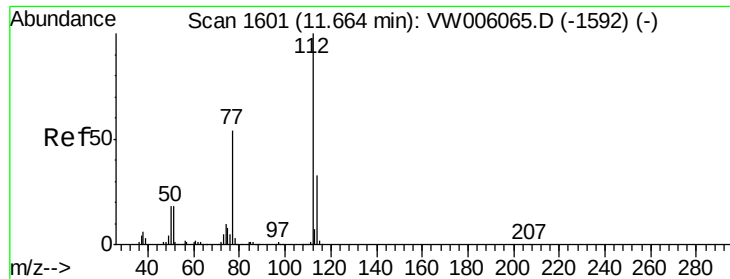
sam
10/24/2018 5:33:39 PM



#64
Tetrachloroethene
Concen: 51.551 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	103.4	155.0
129	87.3	71.8	107.8
131	84.0	69.5	104.3





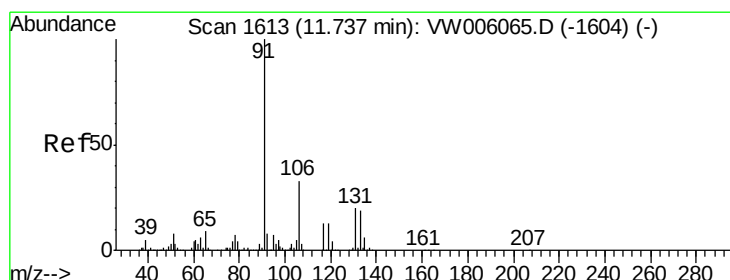
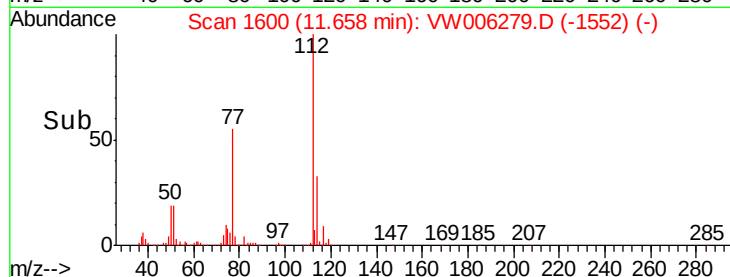
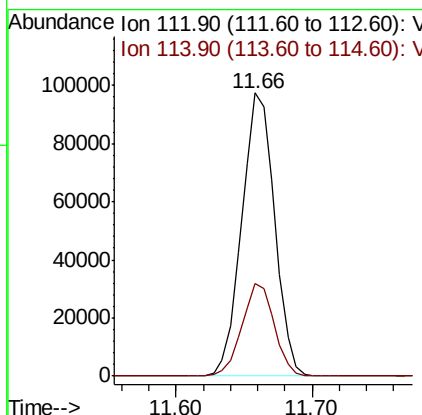
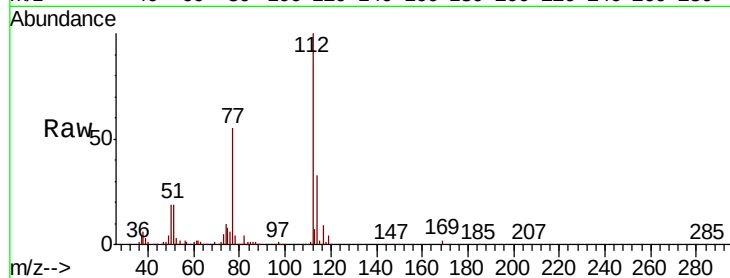
#65
Chlorobenzene
Concen: 55.477 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion:112 Resp: 164843
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2

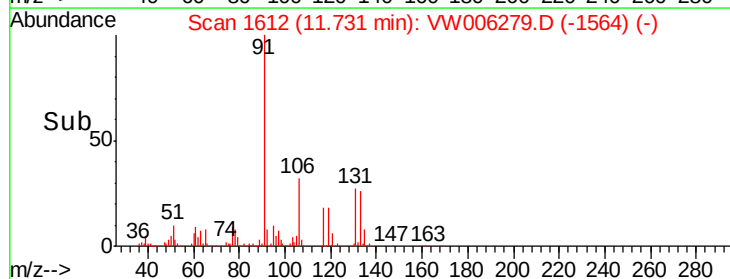
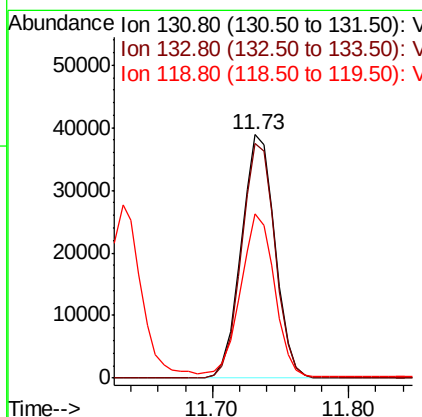
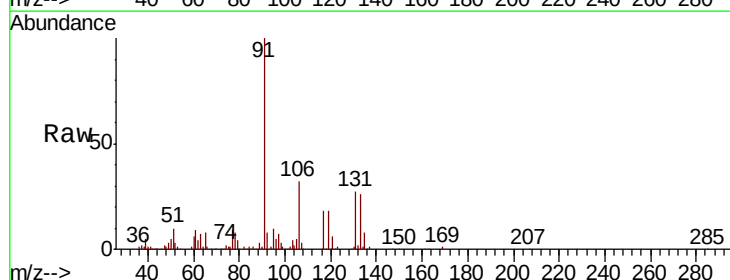
Manual Integrations
APPROVED

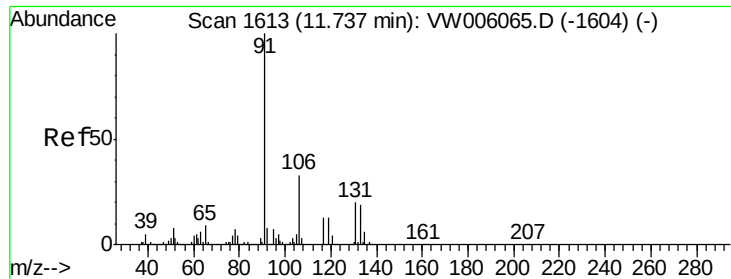
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 63.534 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion:131 Resp: 67090
Ion Ratio Lower Upper
131 100
133 96.3 48.1 144.3
119 67.5 31.6 94.7





#67

Ethyl Benzene

Concen: 47.363 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion: 91 Resp: 243898

Ion Ratio Lower Upper

91 100

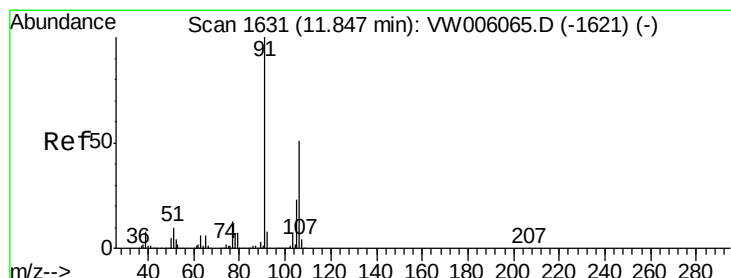
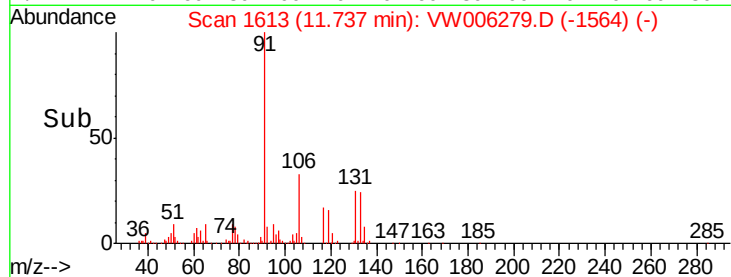
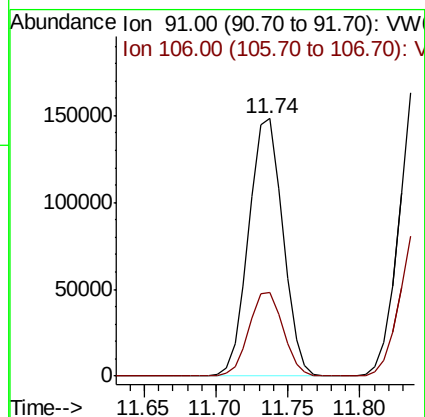
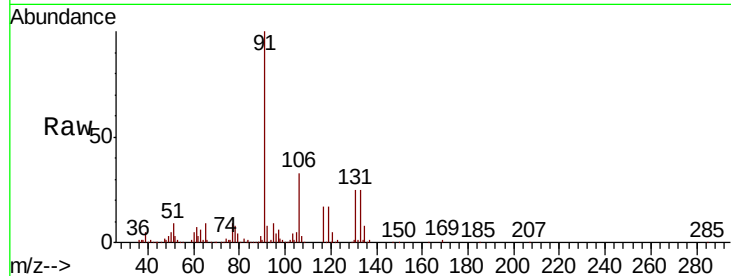
106 32.7 26.1 39.1

Manual Integrations

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sam

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#68

m/p-Xylenes

Concen: 90.445 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW006279.D

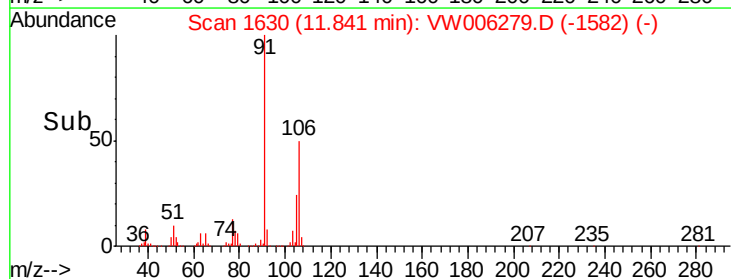
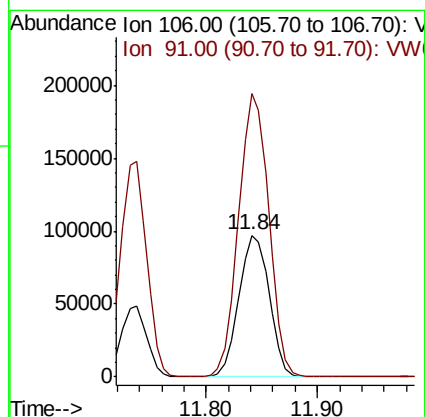
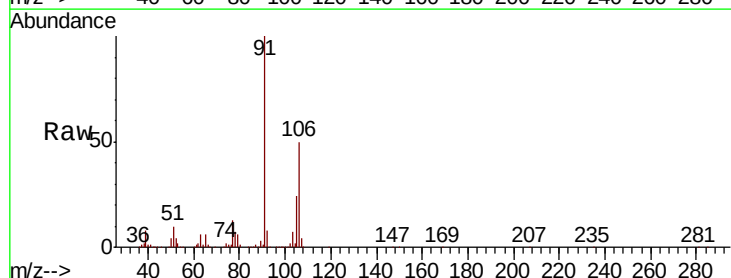
Acq: 23 Oct 2018 05:21

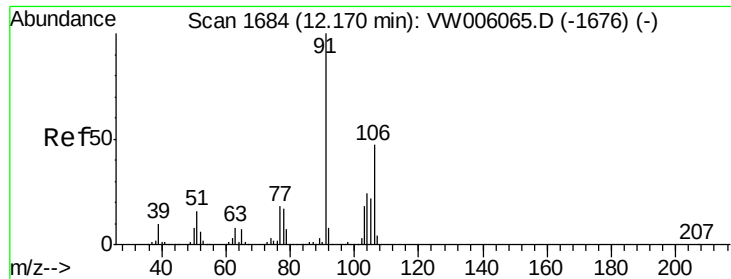
Tgt Ion: 106 Resp: 184088

Ion Ratio Lower Upper

106 100

91 198.5 159.1 238.7





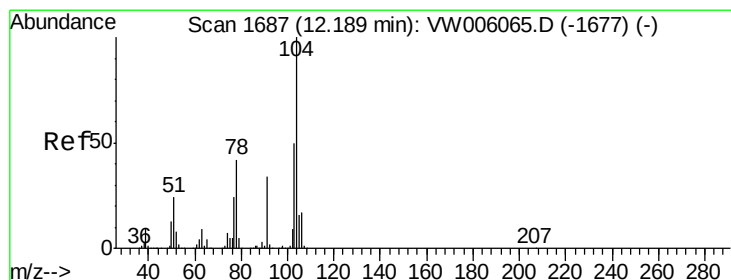
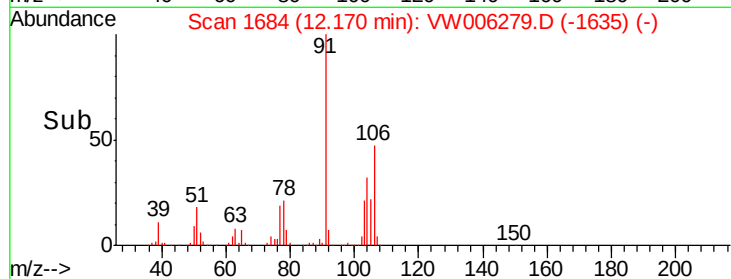
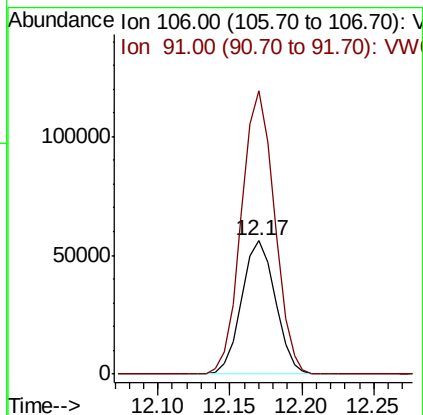
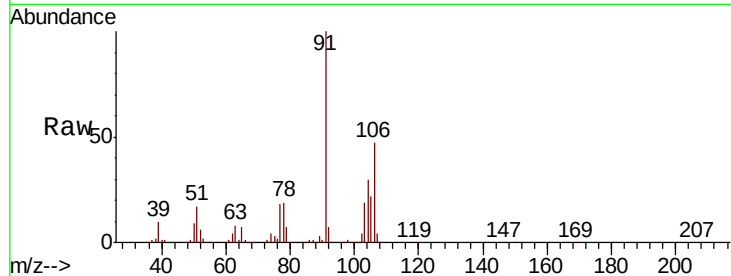
#69
o-Xylene
Concen: 47.034 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.9	105.4	316.1

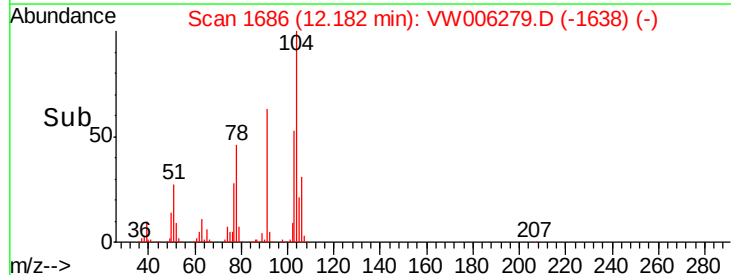
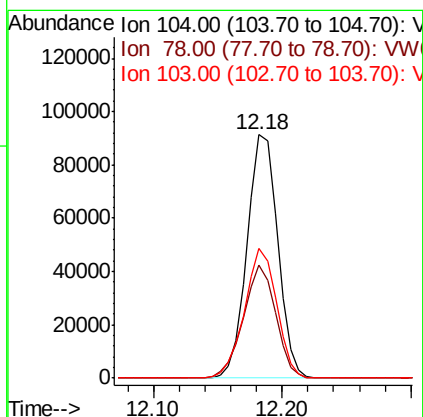
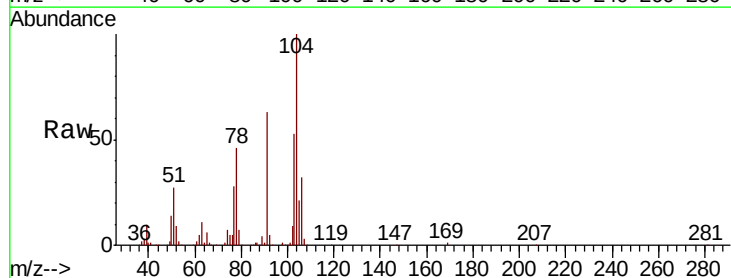
Manual Integrations
APPROVED

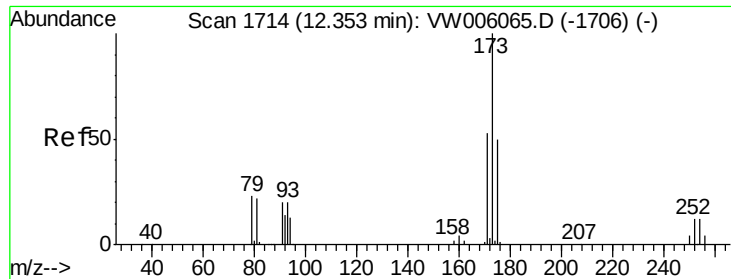
sam
10/24/2018 5:33:39 PM



#70
Styrene
Concen: 47.581 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	39.1	58.7
103	55.8	44.3	66.5





#71

Bromoform

Concen: 65.152 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion:173 Resp: 38374

Ion Ratio Lower Upper

173 100

175 48.9 24.2 72.6

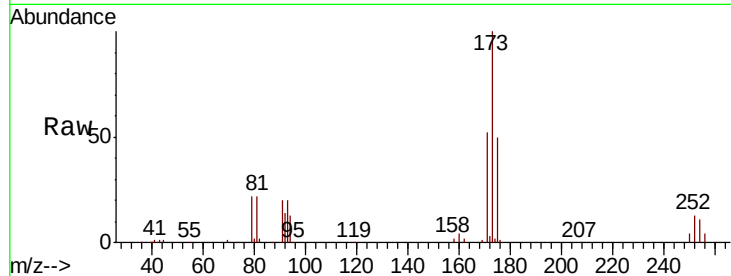
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

sam

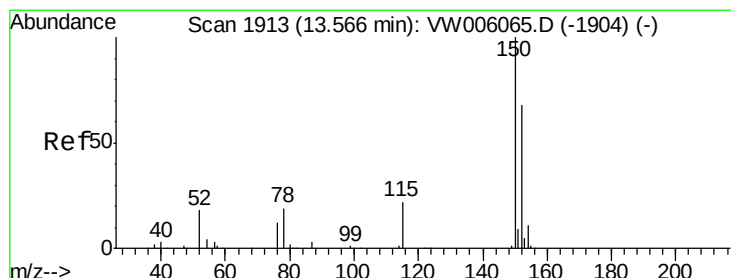
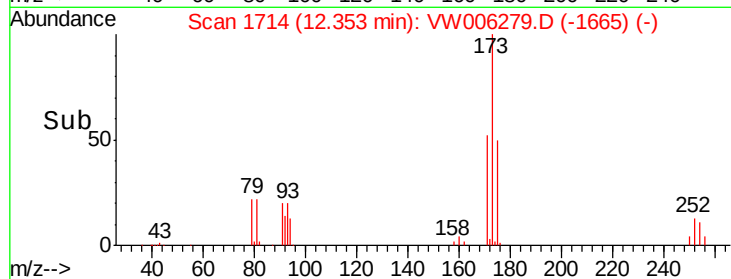
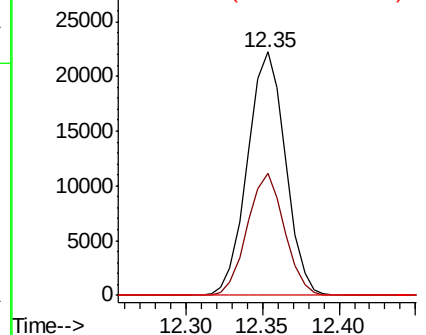
10/24/2018 5:33:39 PM



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: VW006279.D

Acq: 23 Oct 2018 05:21

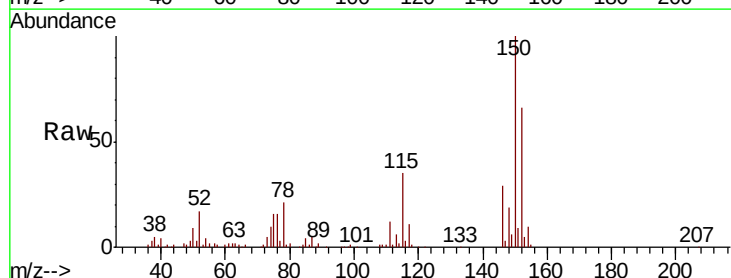
Tgt Ion:152 Resp: 38410

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.3

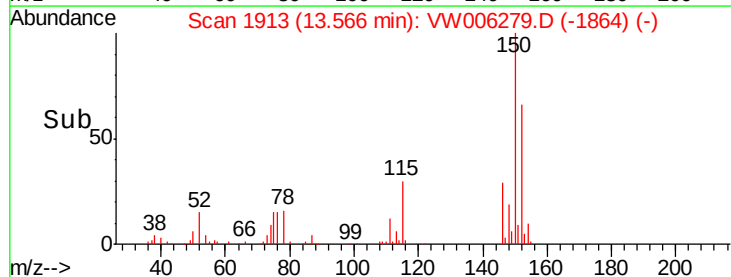
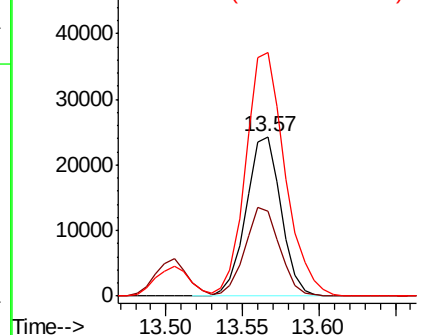
150 171.9 0.0 349.2

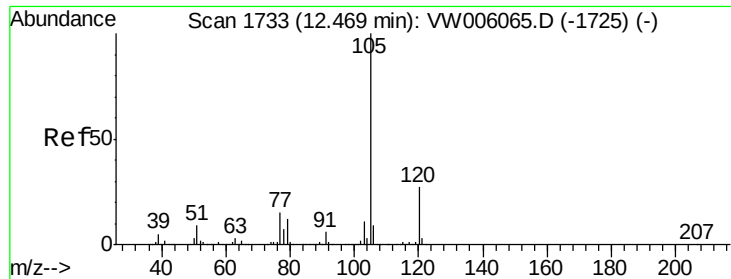


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 71.041 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion:105 Resp: 192772

Ion Ratio Lower Upper

105 100

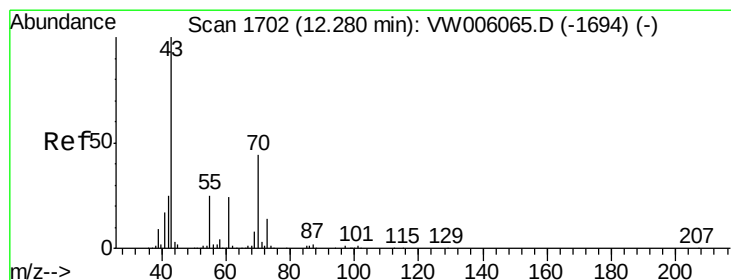
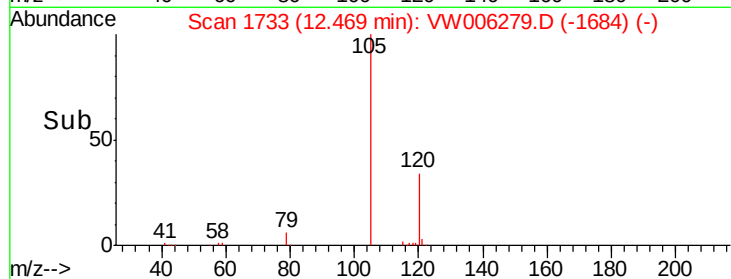
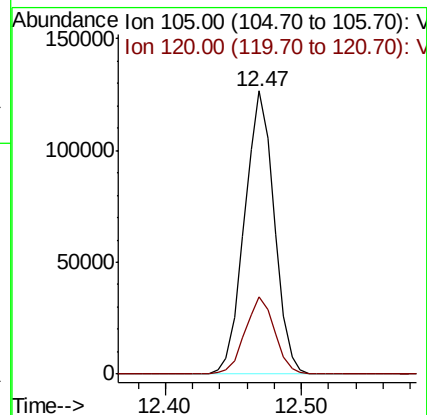
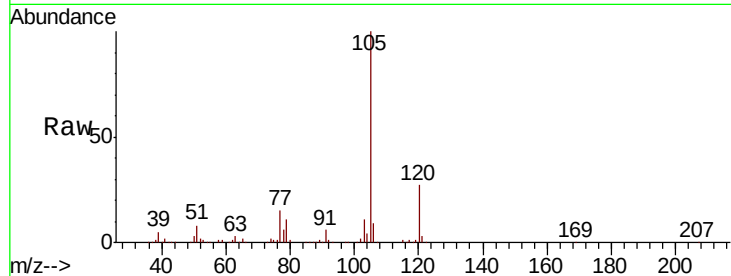
120 27.2 13.6 40.7

Manual Integrations

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sam

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#74

N-ethyl acetate

Concen: 86.601 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Tgt Ion: 43 Resp: 45643

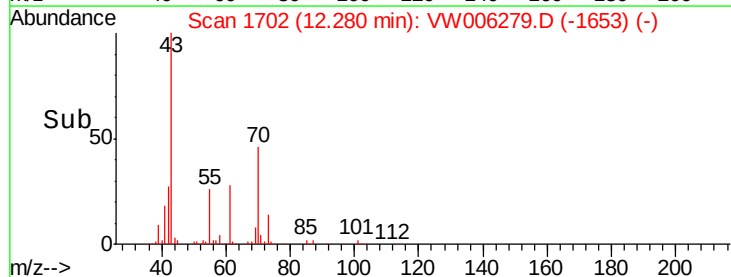
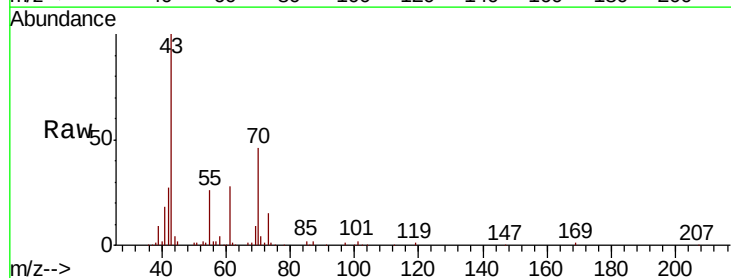
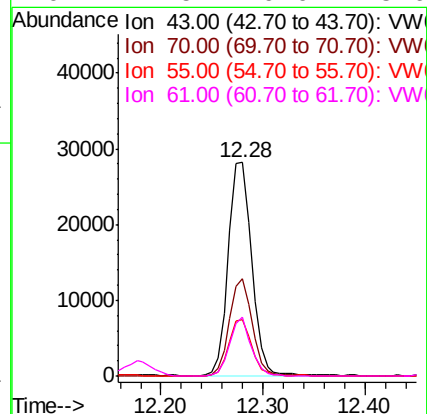
Ion Ratio Lower Upper

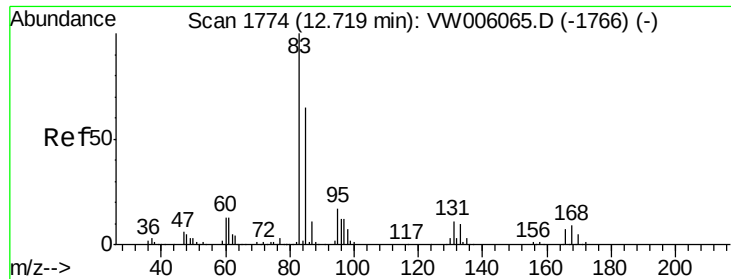
43 100

70 44.1 34.2 51.4

55 25.7 19.2 28.8

61 24.5 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 153.344 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

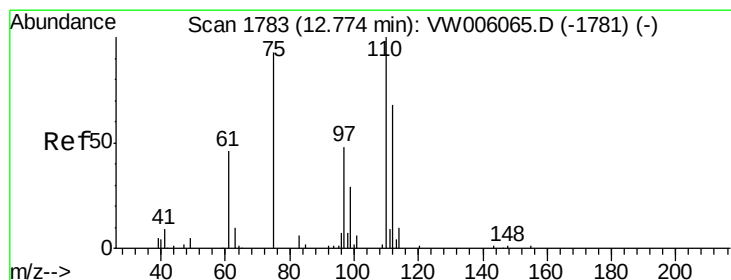
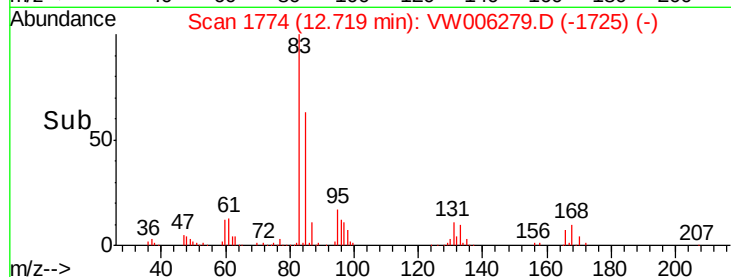
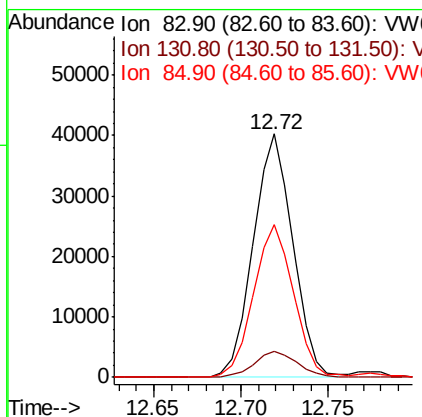
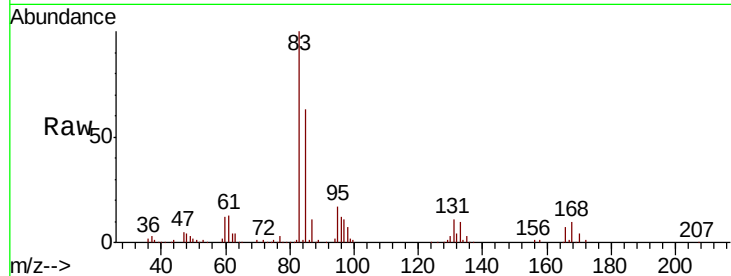
ClientSampleId :

PA-SB-01BMSD

Tot Ion:	83	Resp:	63288
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.9	17.7
85	63.2	31.9	95.9

Manual Integrations
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sam
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#76

1,2,3-Trichloropropane

Concen: 147.411 ug/l m

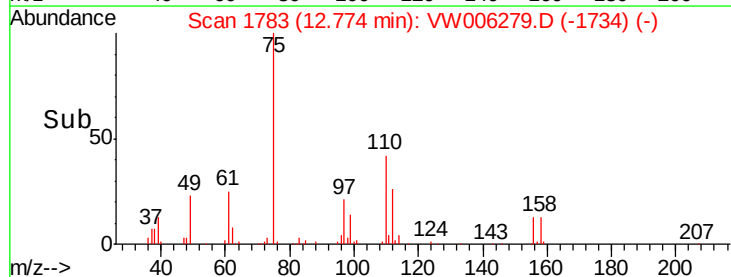
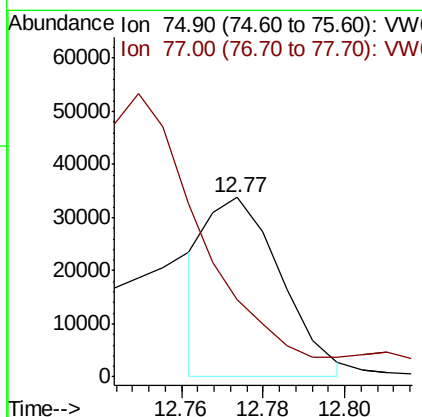
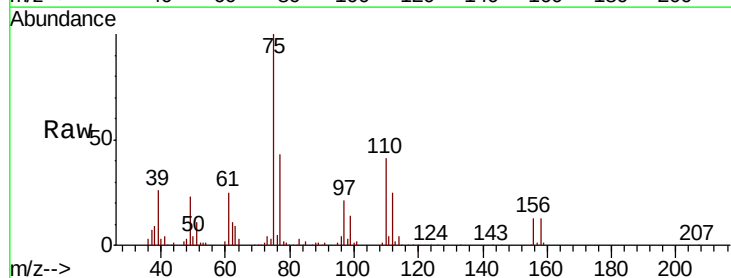
RT: 12.77 min Scan# 1783

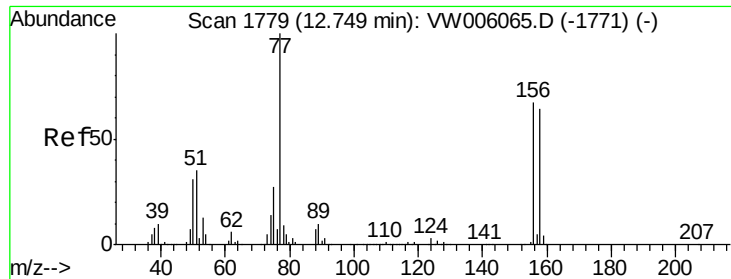
Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Tgt Ion:	75	Resp:	43247
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 90.216 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

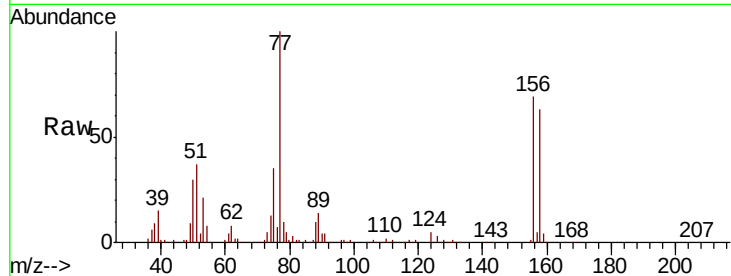
ClientSampleId :

PA-SB-01BMSD

Tot Ion	156	Resp	59961
Ion Ratio	Lower	Upper	
156	100		
77	175.7	79.1	237.4
158	95.2	48.5	145.6

Manual Integrations
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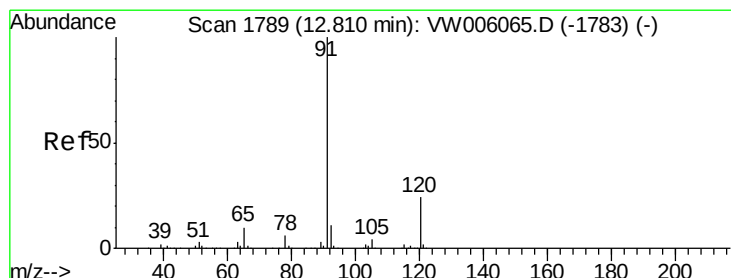
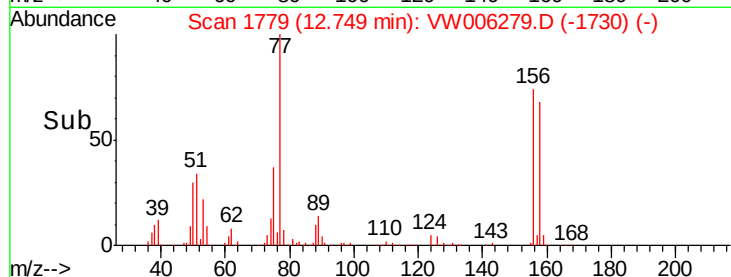
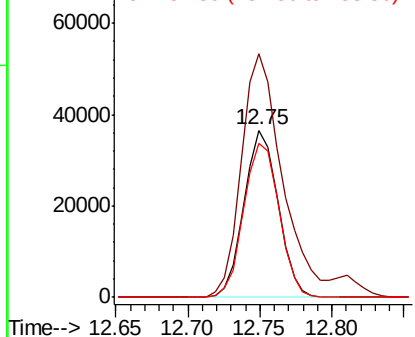
sam
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 59.298 ug/l

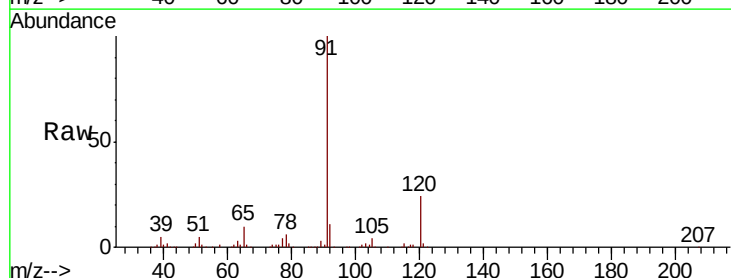
RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006279.D

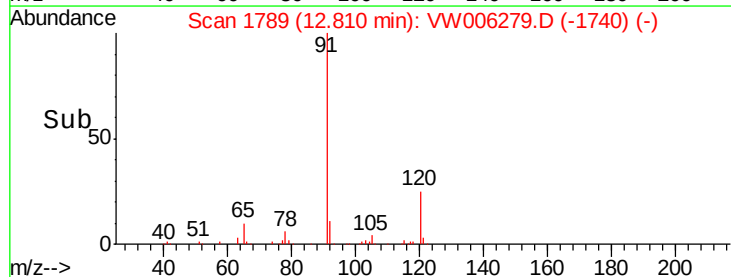
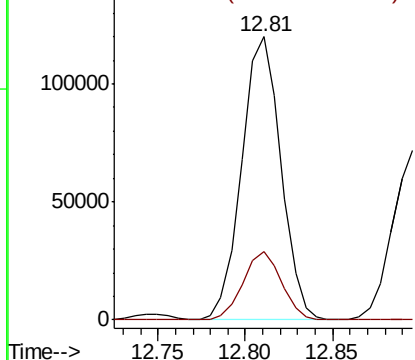
Acq: 23 Oct 2018 05:21

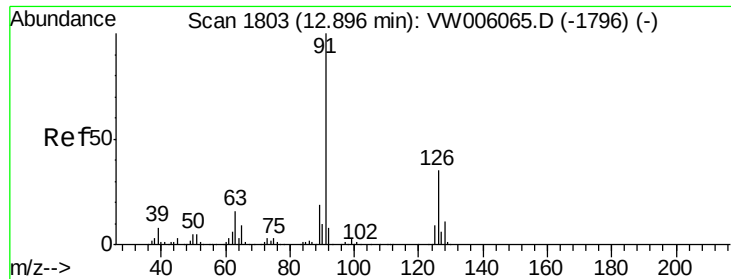
Tgt Ion	91	Resp	187203
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.2	36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 65.581 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion: 91 Resp: 116327

Ion Ratio Lower Upper

91 100

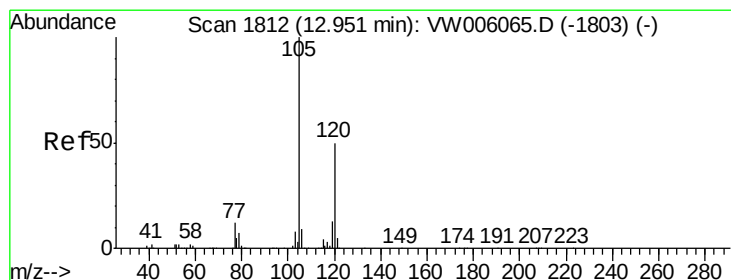
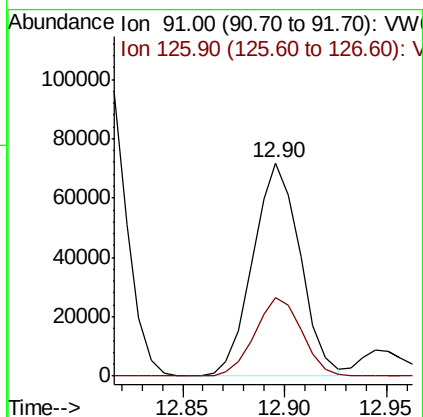
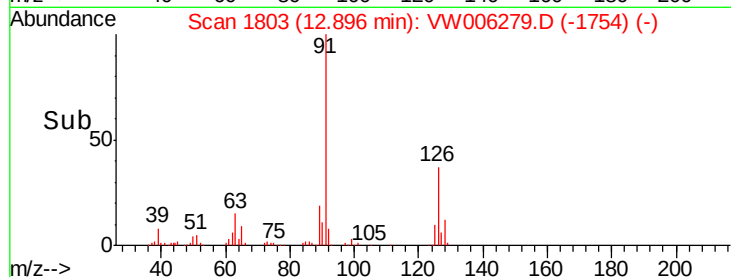
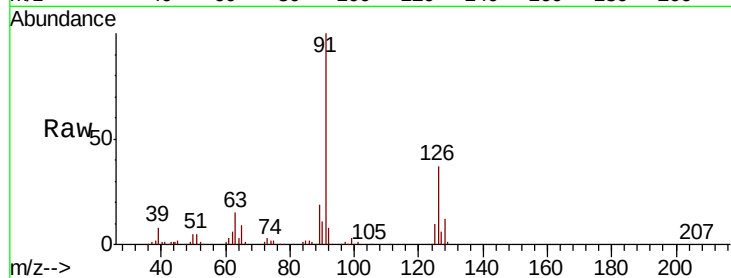
126 36.6 17.9 53.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 56.537 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006279.D

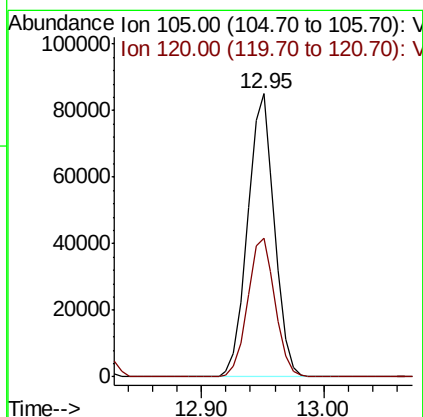
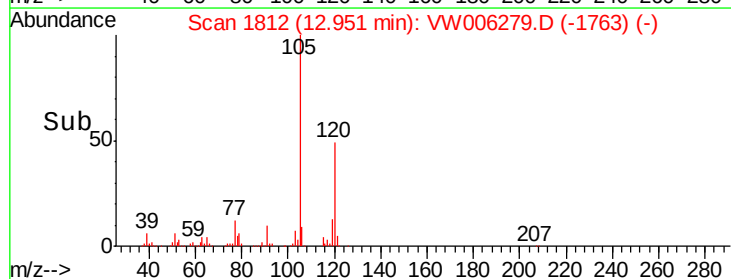
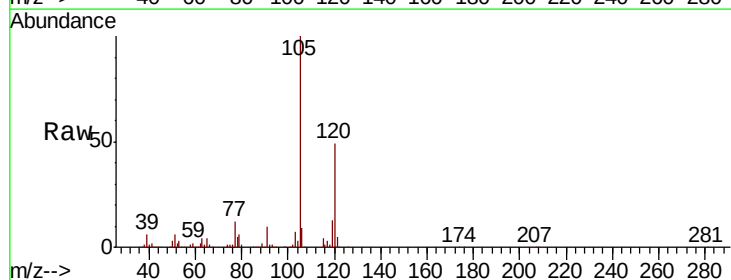
Acq: 23 Oct 2018 05:21

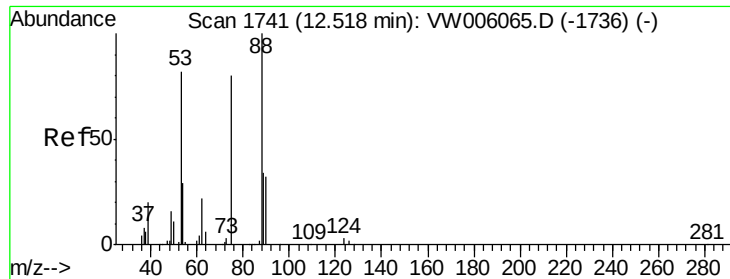
Tgt Ion:105 Resp: 129333

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 142.311 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion: 75 Resp: 17466

Ion Ratio Lower Upper

75 100

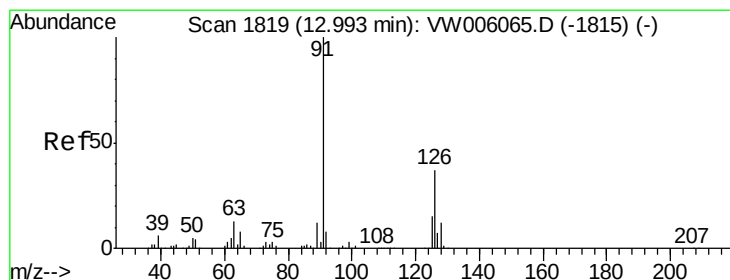
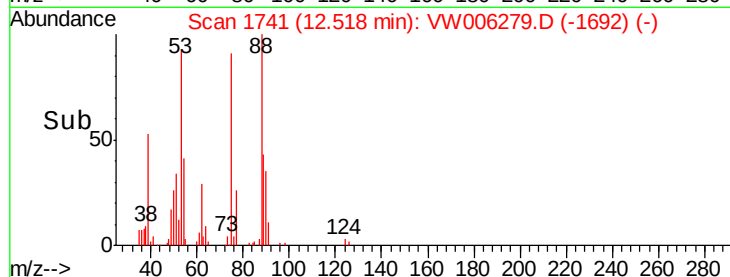
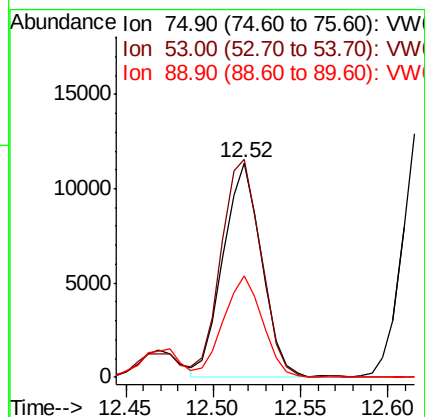
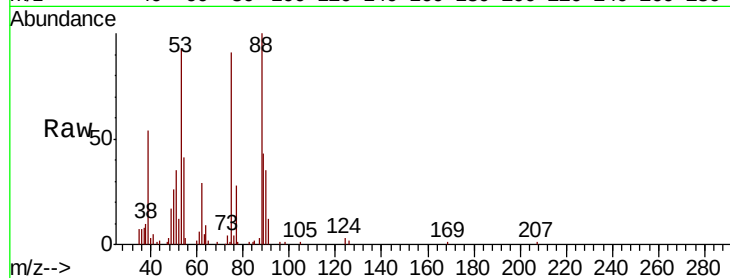
53 105.1 79.8 119.6

89 47.6 37.5 56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 64.198 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006279.D

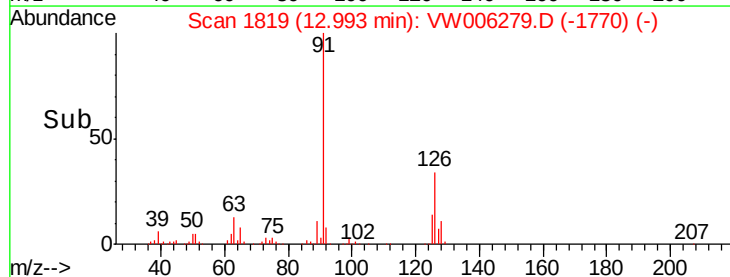
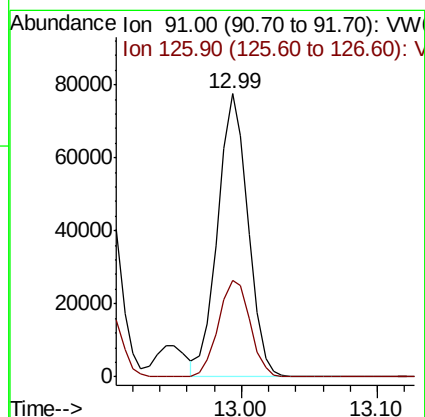
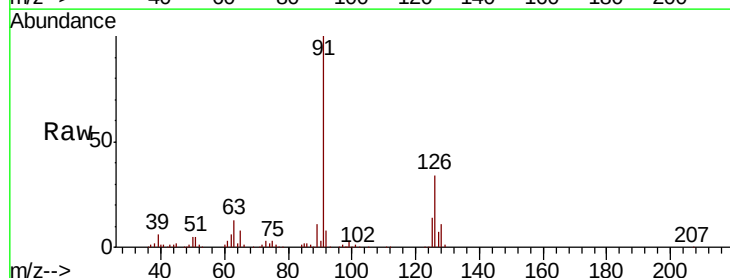
Acq: 23 Oct 2018 05:21

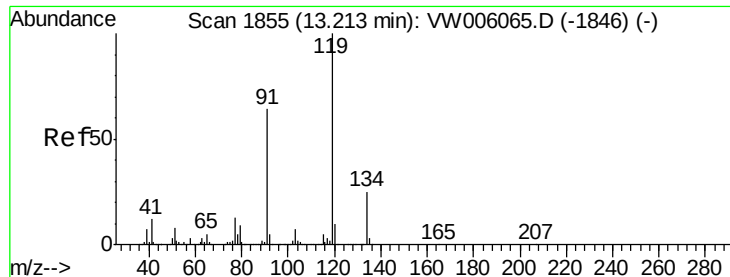
Tgt Ion: 91 Resp: 119286

Ion Ratio Lower Upper

91 100

126 35.8 18.1 54.3





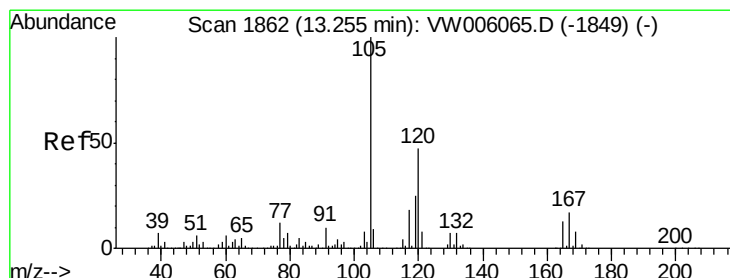
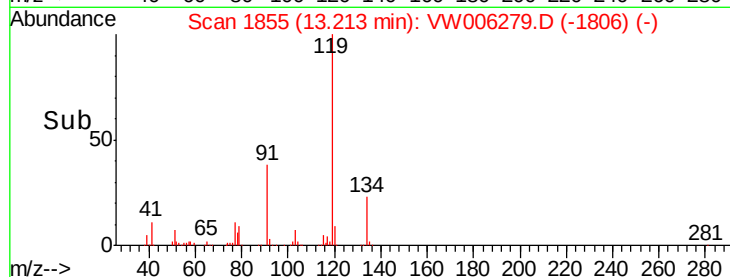
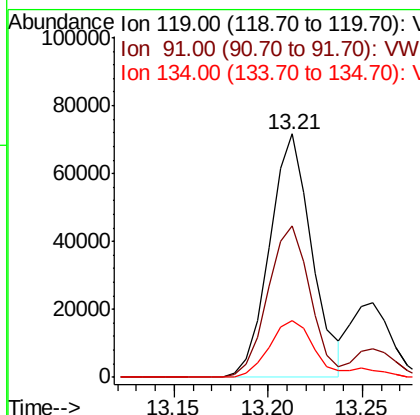
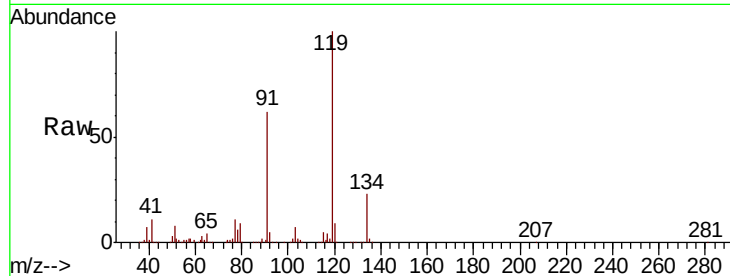
#83
tert-Butylbenzene
Concen: 54.421 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	32.3	96.9
134	24.9	13.6	40.8

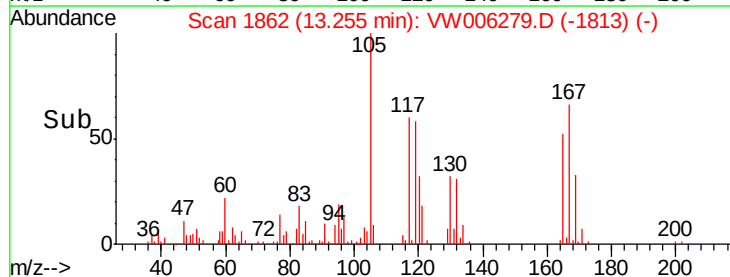
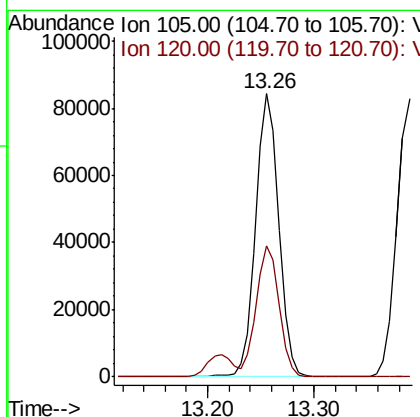
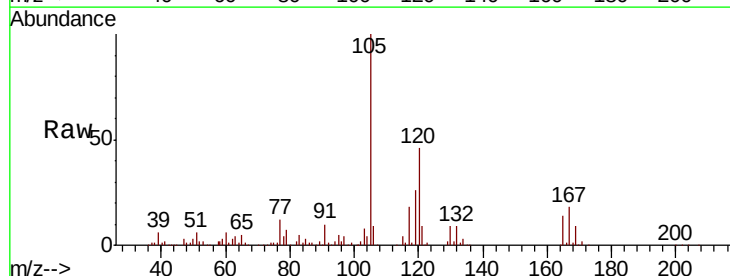
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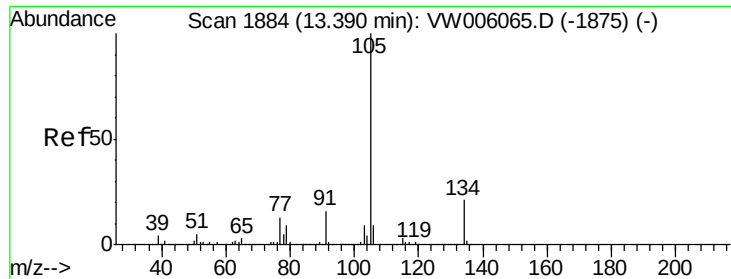
sam
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#84
1,2,4-Trimethylbenzene
Concen: 55.737 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.1	69.3





#85

sec-Butylbenzene

Concen: 43.583 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion:105 Resp: 126019

Ion Ratio Lower Upper

105 100

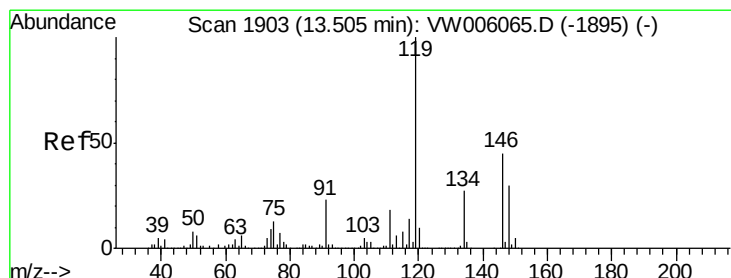
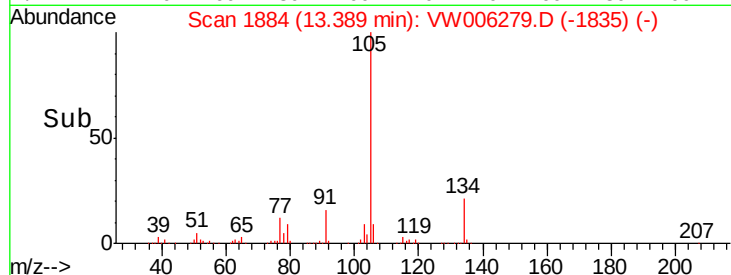
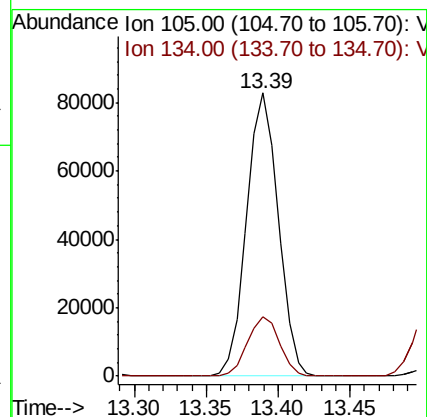
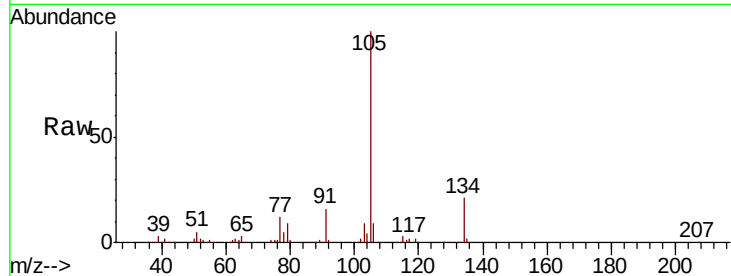
134 21.2 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 40.849 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

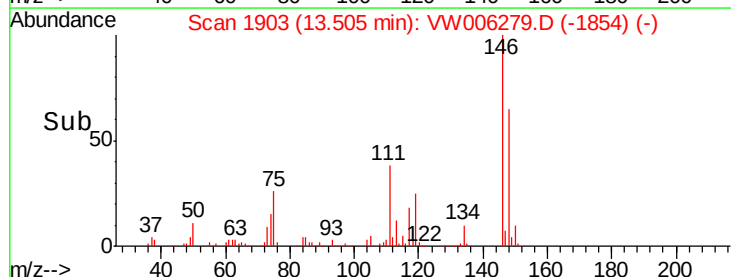
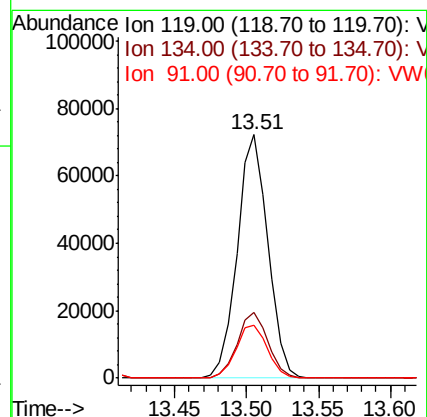
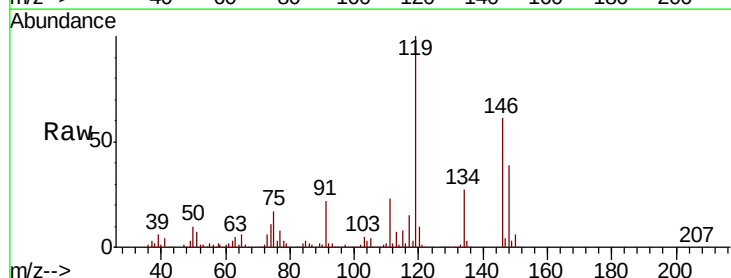
Tgt Ion:119 Resp: 106834

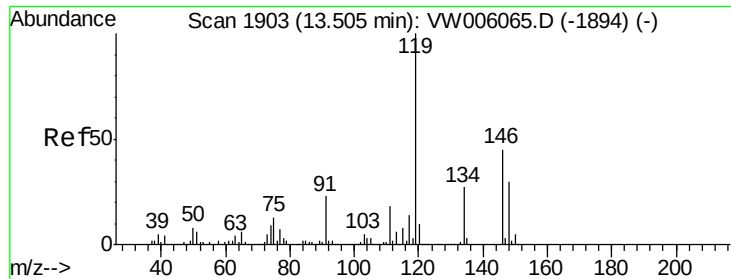
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.7 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 51.907 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

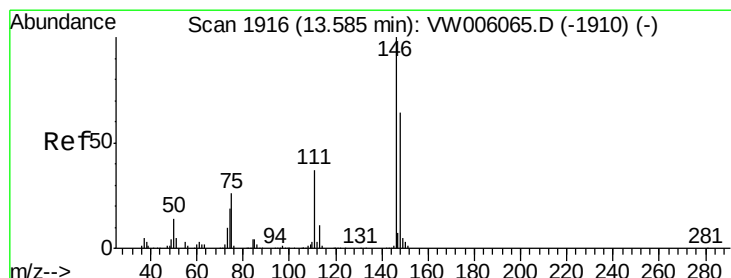
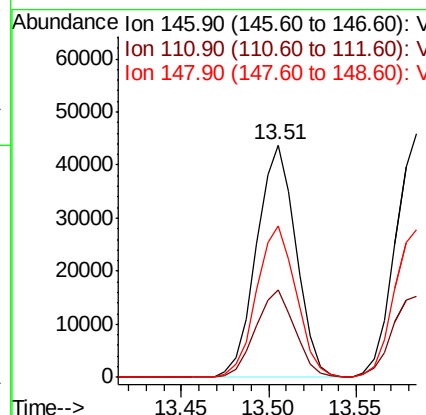
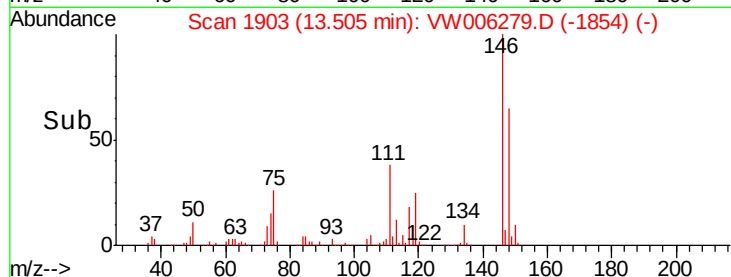
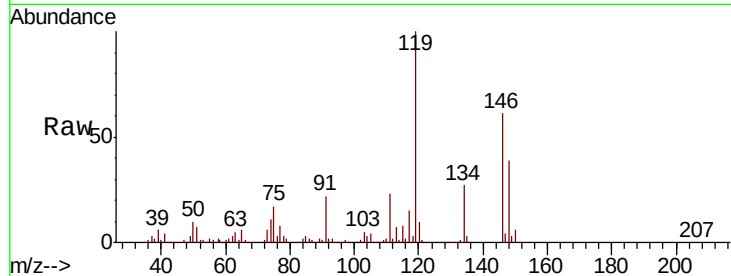
Instrument :
MSVOA_W

ClientSampleId :
PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.5
148	65.4	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 53.813 ug/l

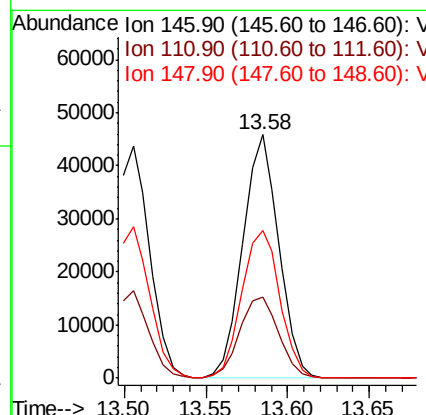
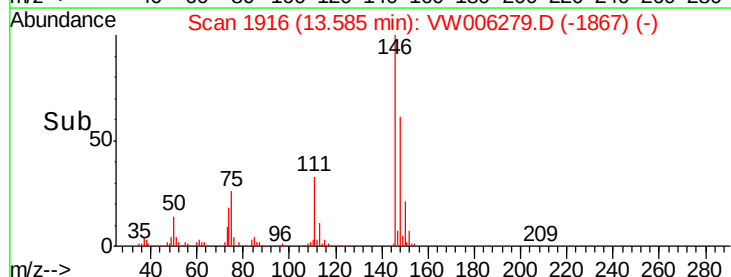
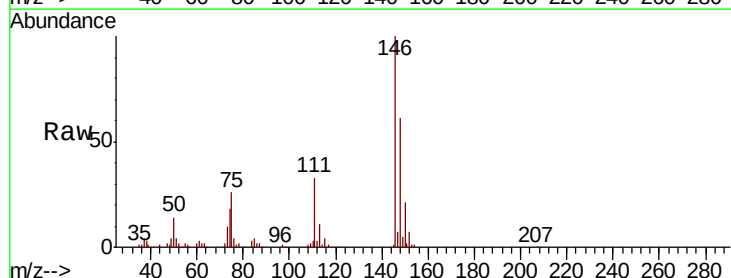
RT: 13.58 min Scan# 1916

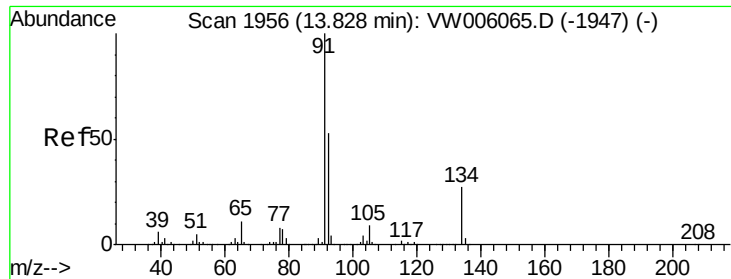
Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.6	56.0
148	63.8	32.1	96.5





#89

n-Butylbenzene

Concen: 31.591 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

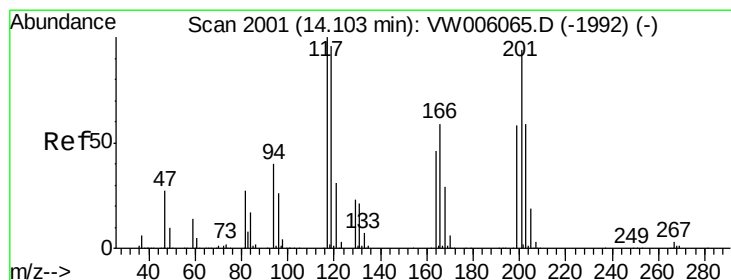
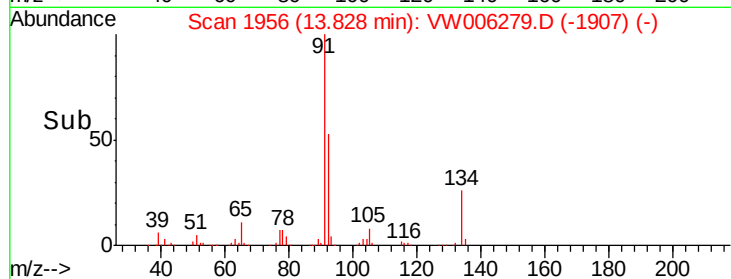
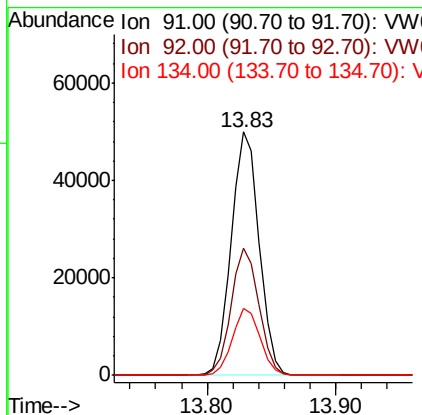
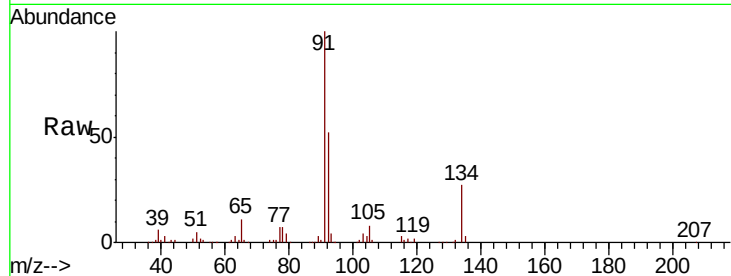
ClientSampleId :

PA-SB-01BMSD

Tot Ion:	91	Resp:	75560
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.6	79.7
134	27.2	14.0	41.9

Manual Integrations
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#90

Hexachloroethane

Concen: 36.197 ug/l

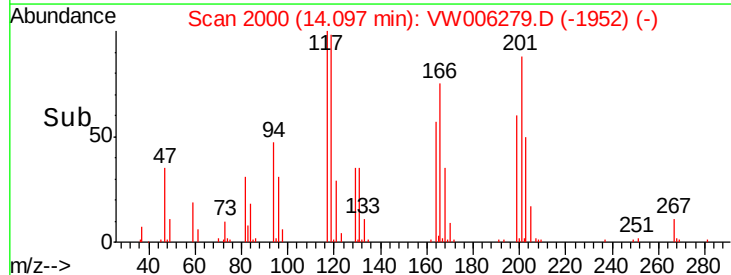
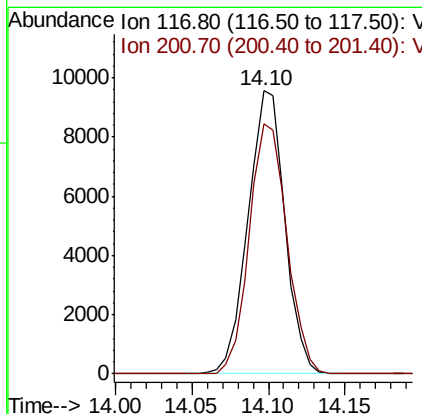
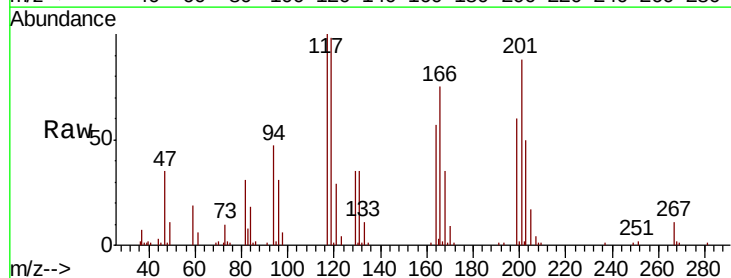
RT: 14.10 min Scan# 2000

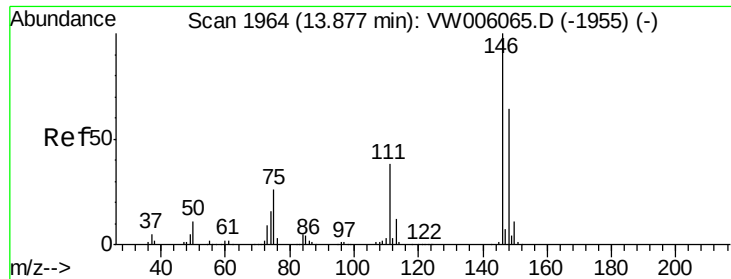
Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Tgt Ion:	117	Resp:	16035
Ion	Ratio	Lower	Upper
117	100		
201	90.1	45.3	135.9





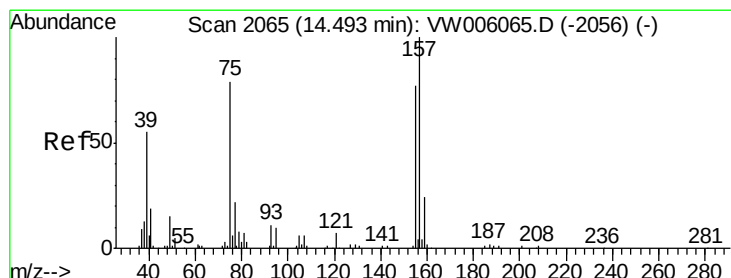
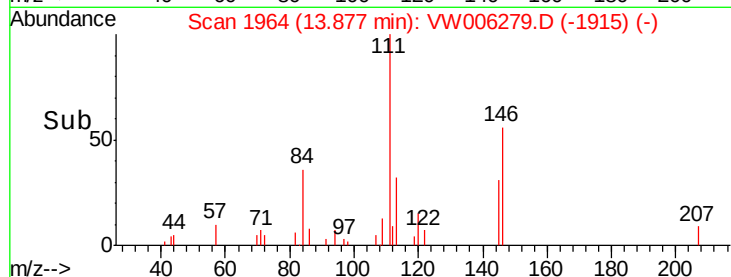
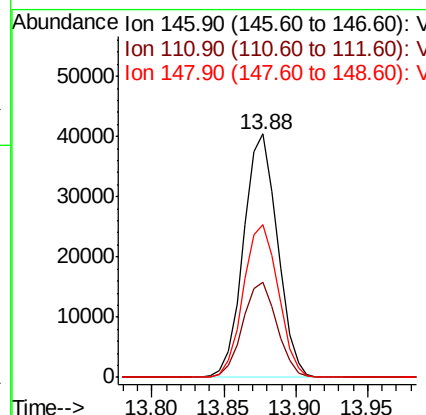
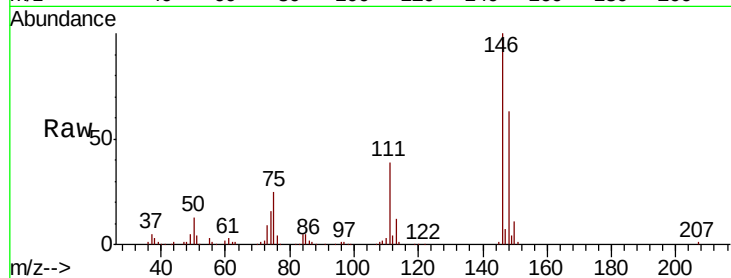
#91
 1,2-Dichlorobenzene
 Concen: 55.987 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	64.5	32.2	96.6

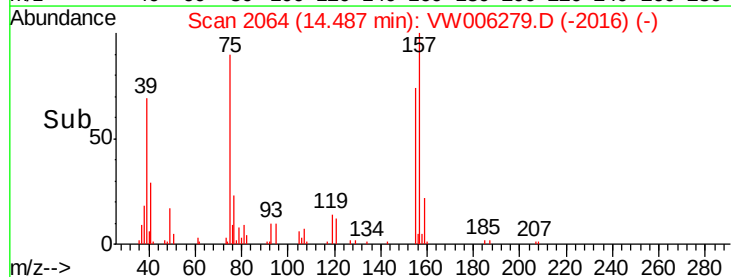
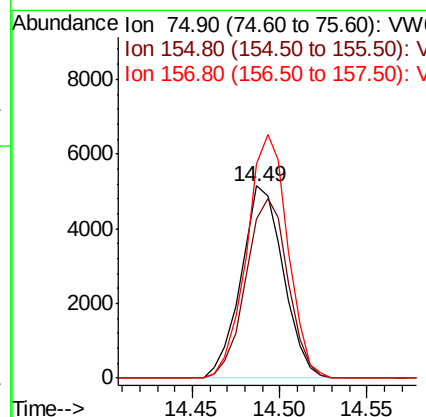
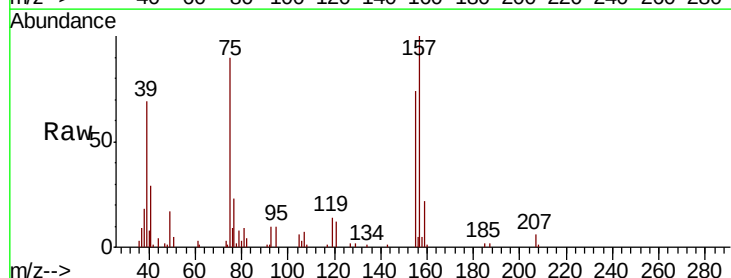
Manual Integrations
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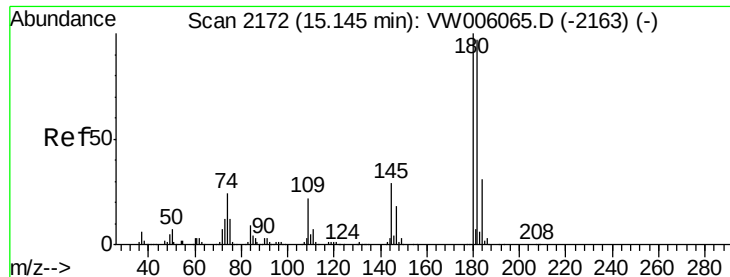
sam
 10/24/2018 5:33:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 116.546 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	46.5	139.5
157	123.1	59.8	179.4





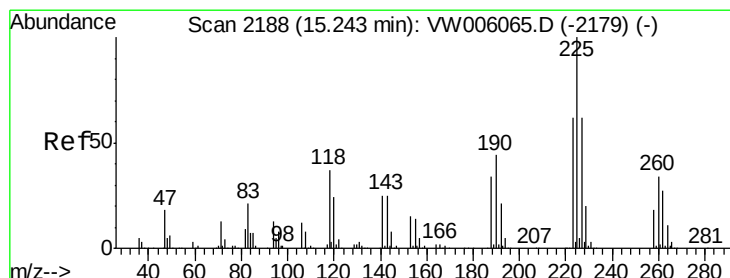
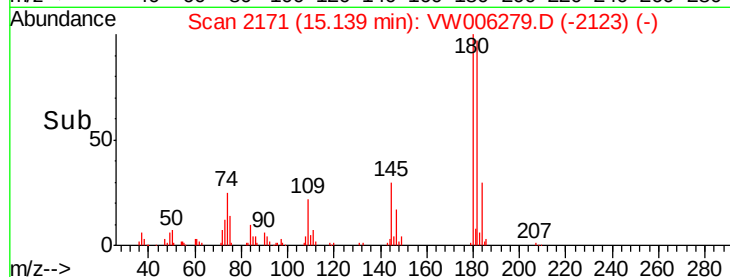
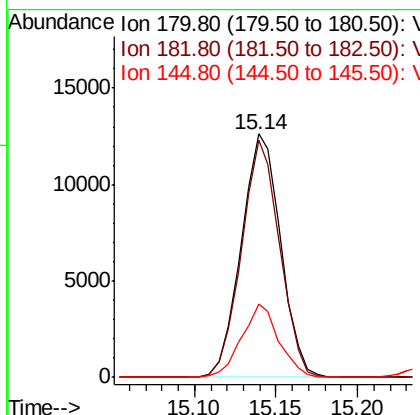
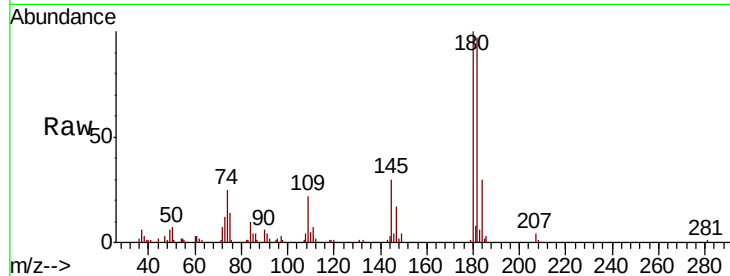
#93
1,2,4-Trichlorobenzene
Concen: 23.341 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	21190		
182	94.5	47.9	143.6	
145	28.3	14.2	42.8	

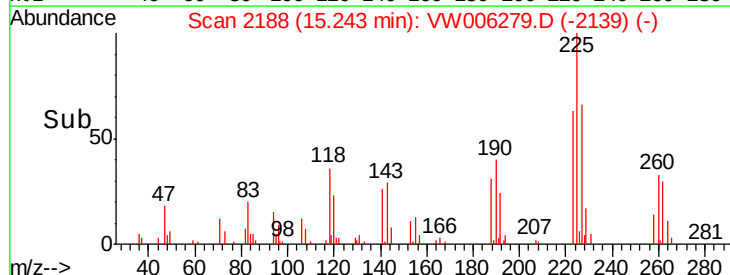
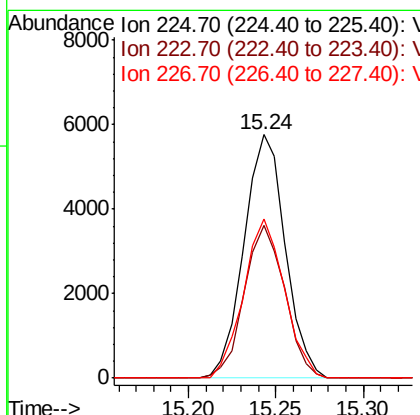
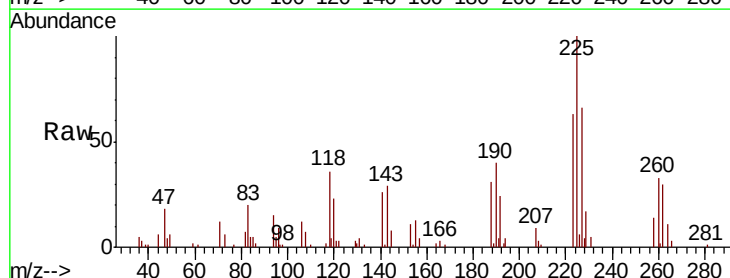
Manual Integrations
APPROVED

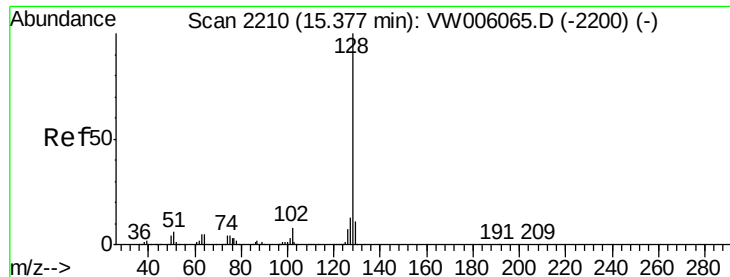
sam
10/24/2018 5:33:39 PM



#94
Hexachlorobutadiene
Concen: 16.565 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	9447		
223	61.5	31.1	93.5	
227	64.8	32.4	97.0	





#95

Naphthalene

Concen: 47.132 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

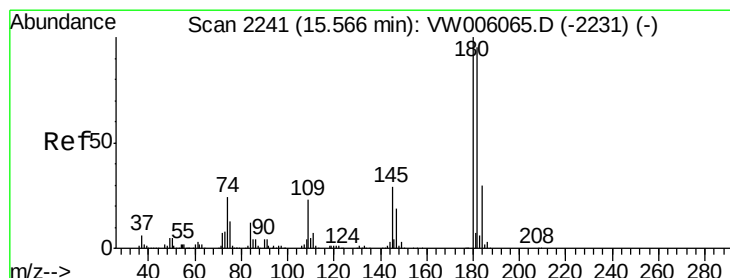
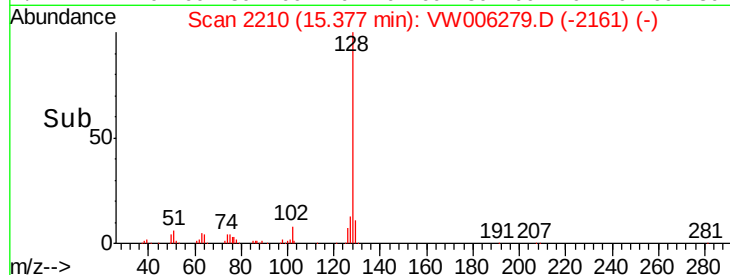
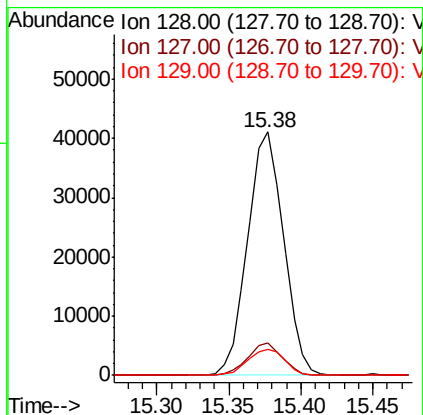
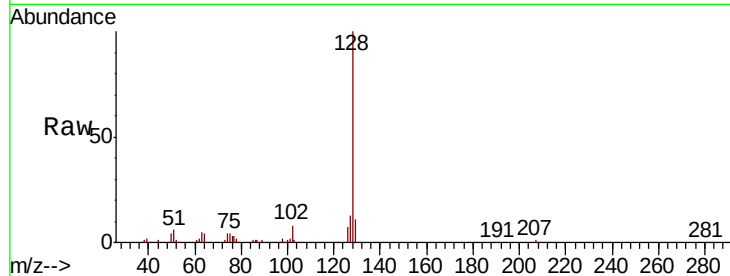
ClientSampleId :

PA-SB-01BMSD

Tot Ion:	128	Resp:	71179
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

sam
10/24/2018 5:33:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.992 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Tgt Ion:	180	Resp:	18054
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.8	143.3
145	32.0	15.0	45.1

