

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\
 Data File : VW006287.D
 Acq On : 23 Oct 2018 08:48
 Operator : VA/AP
 Sample : J5624-03MSD
 Misc : 5.7G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MSD

Manual Integrations
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 10/24/2018 5:33:50 PM

Quant Time: Oct 23 14:55:41 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	217811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	331880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	299979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	153667	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	90259	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	7.88	113	96973	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.33	98	344631	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
62) 4-Bromofluorobenzene	12.62	95	127227	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	51377	47.666	ug/l	93
3) Chloromethane	2.21	50	70295	50.665	ug/l	100
4) Vinyl Chloride	2.37	62	102930	51.948	ug/l	98
5) Bromomethane	2.79	94	88203	48.943	ug/l	100
6) Chloroethane	2.93	64	76849	54.121	ug/l	95
7) Trichlorofluoromethane	3.26	101	85655	46.405	ug/l	98
8) Diethyl Ether	3.68	74	50455	51.433	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	99466	51.420	ug/l	99
10) Methyl Iodide	4.27	142	175734	54.582	ug/l	100
11) Tert butyl alcohol	5.24	59	25291	208.249	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	96509	53.030	ug/l	95
13) Acrolein	3.90	56	18546	157.818	ug/l	94
14) Allyl chloride	4.67	41	100023	38.439	ug/l	99
15) Acrylonitrile	5.38	53	91723	260.686	ug/l	99
16) Acetone	4.15	43	72572	211.967	ug/l	98
17) Carbon Disulfide	4.38	76	256685	46.734	ug/l	100
18) Methyl Acetate	4.68	43	49138	54.072	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	153695	55.448	ug/l	98
20) Methylene Chloride	4.92	84	118256	62.291	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	110396	54.346	ug/l	99
22) Diisopropyl ether	6.31	45	296077	57.578	ug/l	97
23) Vinyl Acetate	6.26	43	693737	228.601	ug/l	99
24) 1,1-Dichloroethane	6.22	63	194492	58.616	ug/l	98
25) 2-Butanone	7.18	43	113075	231.793	ug/l	96
26) 2,2-Dichloropropane	7.17	77	101177	43.234	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	128093	57.142	ug/l	98
28) Bromochloromethane	7.51	49	72802	56.833	ug/l	96
29) Tetrahydrofuran	7.54	42	74785	249.403	ug/l	98
30) Chloroform	7.68	83	211493	58.503	ug/l	100
31) Cyclohexane	7.96	56	152771	46.234	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	176643	54.169	ug/l	99
36) 1,1-Dichloropropene	8.09	75	155015	50.675	ug/l	100
37) Ethyl Acetate	7.26	43	54477	47.932	ug/l	99
38) Carbon Tetrachloride	8.07	117	163694	48.814	ug/l	98

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 10/24/2018 5:33:50 PM

Quant Time: Oct 23 14:55:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	180664	44.430	ug/l	98
40) Benzene	8.33	78	455425	54.275	ug/l	98
41) Methacrylonitrile	7.49	41	34105	49.778	ug/l	98
42) 1,2-Dichloroethane	8.40	62	130956	53.120	ug/l	99
43) Isopropyl Acetate	8.43	43	110484	47.544	ug/l	99
44) Trichloroethene	9.09	130	133635	51.910	ug/l	95
45) 1,2-Dichloropropane	9.37	63	107575	53.575	ug/l	100
46) Dibromomethane	9.46	93	60456	52.827	ug/l	99
47) Bromodichloromethane	9.65	83	146159	52.677	ug/l	98
48) Methyl methacrylate	9.44	41	54360	49.350	ug/l	98
49) 1,4-Dioxane	9.49	88	15606	885.798	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	278165	238.908	ug/l	98
52) Toluene	10.39	92	296041	52.624	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	127898	46.266	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	157741	49.719	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	86381	53.938	ug/l	99
56) Ethyl methacrylate	10.65	69	96638	49.222	ug/l	96
57) 1,3-Dichloropropane	10.93	76	139850	52.752	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	163097	217.405	ug/l	100
59) 2-Hexanone	10.98	43	184050	221.445	ug/l	97
60) Dibromochloromethane	11.13	129	102822	51.545	ug/l	100
61) 1,2-Dibromoethane	11.24	107	82266	51.410	ug/l	99
64) Tetrachloroethene	10.87	164	122450	52.582	ug/l	98
65) Chlorobenzene	11.66	112	336453	52.393	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	124105	54.381	ug/l	98
67) Ethyl Benzene	11.74	91	575594	51.720	ug/l	100
68) m/p-Xylenes	11.84	106	452589	102.890	ug/l	99
69) o-Xylene	12.17	106	218734	52.177	ug/l	99
70) Styrene	12.18	104	351756	51.600	ug/l	100
71) Bromoform	12.35	173	61041	47.954	ug/l #	98
73) Isopropylbenzene	12.47	105	591158	54.454	ug/l	100
74) N-amyl acetate	12.28	43	97437	46.210	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	95804	58.022	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	71757m	61.137	ug/l	
77) Bromobenzene	12.75	156	150642	56.653	ug/l	98
78) n-propylbenzene	12.81	91	670043	53.051	ug/l	100
79) 2-Chlorotoluene	12.90	91	389099	54.831	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	488567	53.384	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	20700	42.158	ug/l	98
82) 4-Chlorotoluene	12.99	91	402429	54.136	ug/l	100
83) tert-Butylbenzene	13.21	119	433347	52.923	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	500249	54.017	ug/l	100
85) sec-Butylbenzene	13.39	105	590462	51.043	ug/l	100
86) p-Isopropyltoluene	13.51	119	534846	51.117	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	281346	53.166	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	278472	52.851	ug/l	99
89) n-Butylbenzene	13.83	91	452162	47.253	ug/l	100
90) Hexachloroethane	14.10	117	86344	48.719	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	253019	53.602	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14193	48.010	ug/l	94

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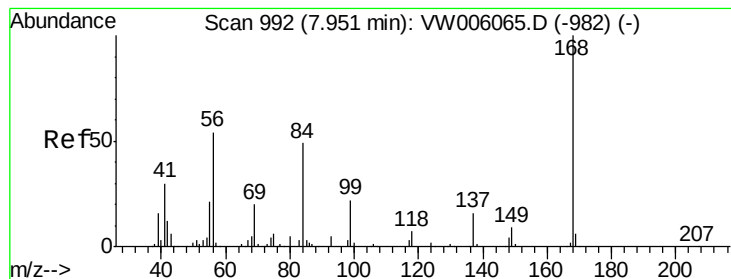
Manual Integrations
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Quant Time: Oct 23 14:55:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	164781	45.369	ug/l	99
94) Hexachlorobutadiene	15.24	225	94518	41.426	ug/l	100
95) Naphthalene	15.38	128	291026	48.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	143646	45.725	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: VW006287.D

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Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MSD

Tot Ion:168 Resp: 217811

Ion Ratio Lower Upper

168 100

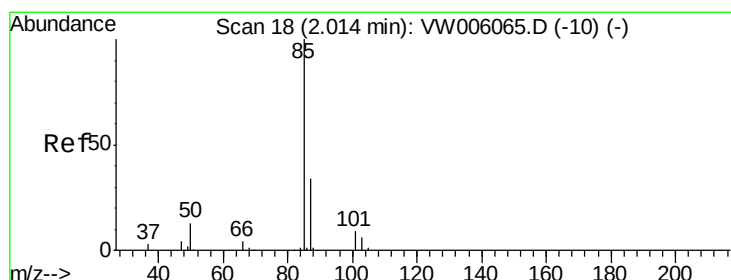
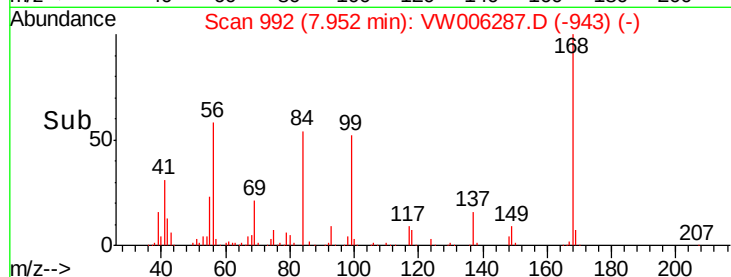
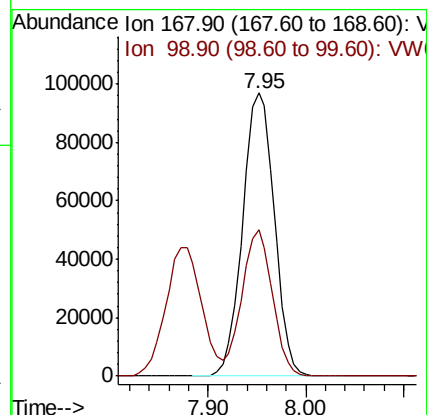
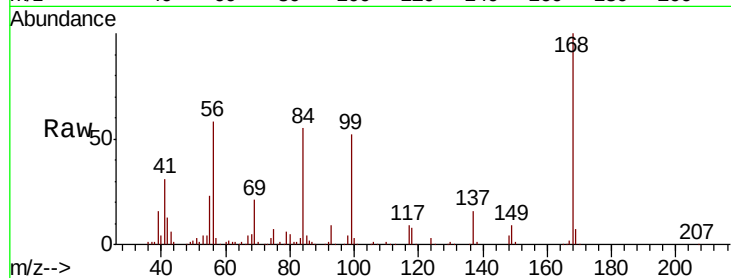
99 51.7 39.9 59.9

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#2

Dichlorodifluoromethane

Concen: 47.666 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006287.D

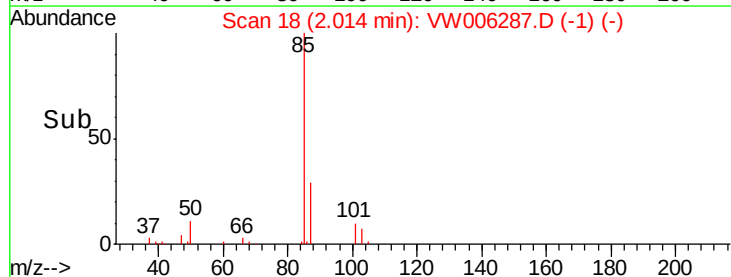
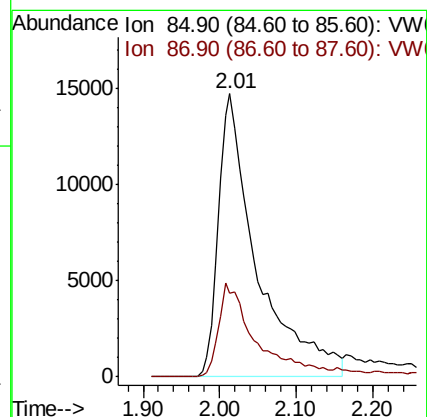
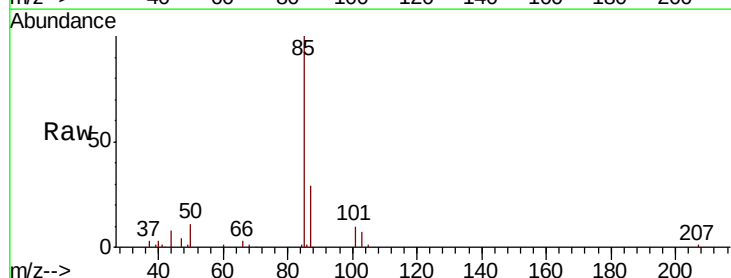
Acq: 23 Oct 2018 08:48

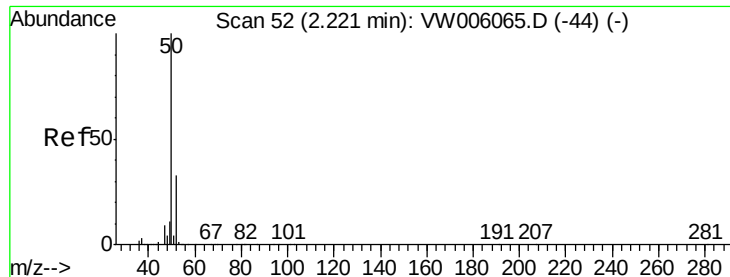
Tgt Ion: 85 Resp: 51377

Ion Ratio Lower Upper

85 100

87 29.4 16.9 50.6





#3

Chloromethane

Concen: 50.665 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MSD

Tot Ion: 50 Resp: 70295

Ion Ratio Lower Upper

50 100

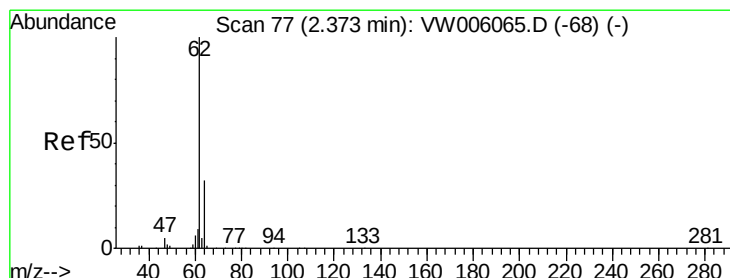
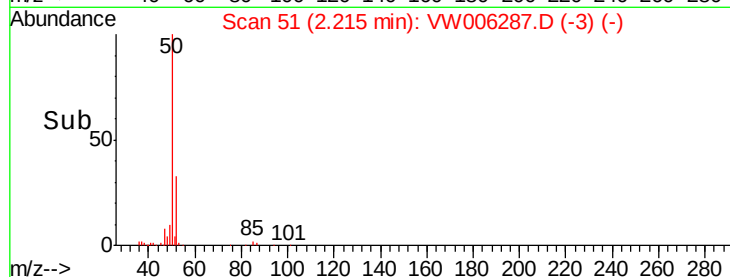
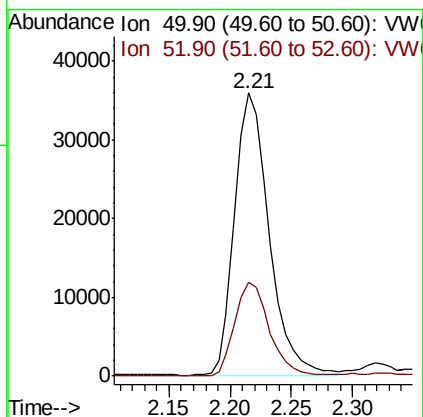
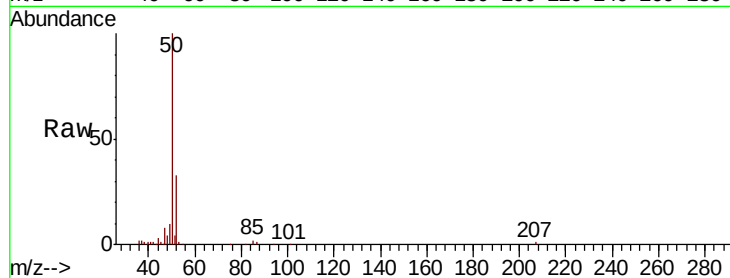
52 33.4 26.8 40.2

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#4

Vinyl Chloride

Concen: 51.948 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006287.D

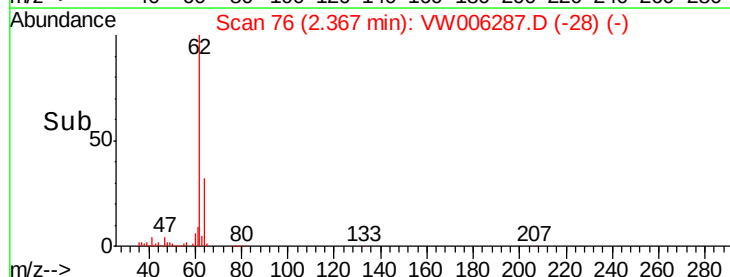
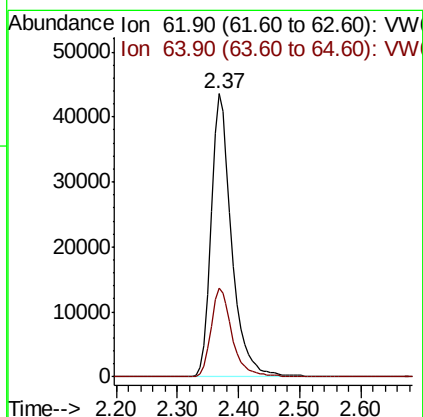
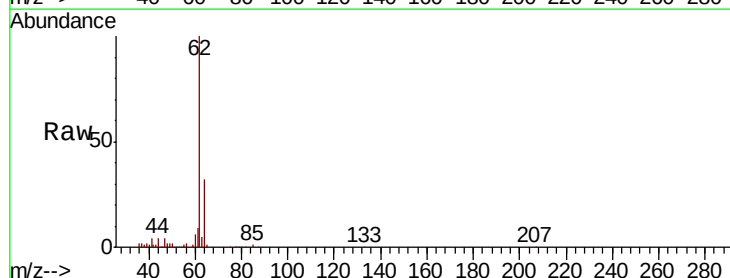
Acq: 23 Oct 2018 08:48

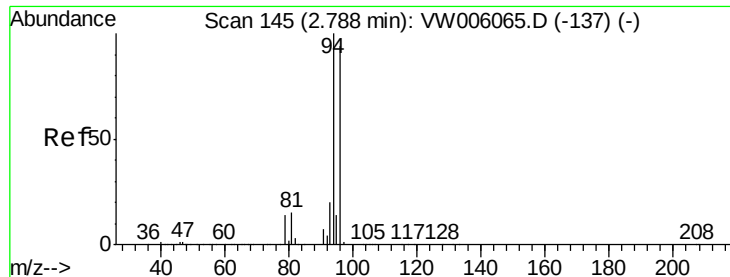
Tgt Ion: 62 Resp: 102930

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9





#5

Bromomethane

Concen: 48.943 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MSD

Tot Ion: 94 Resp: 88203

Ion Ratio Lower Upper

94 100

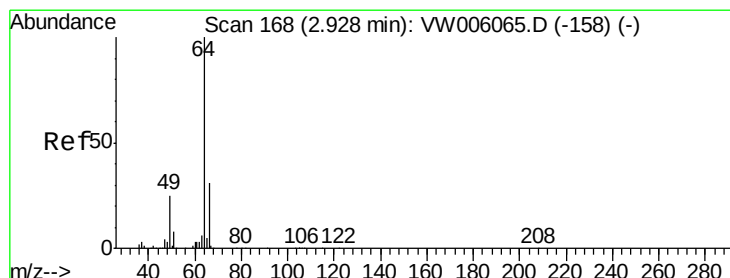
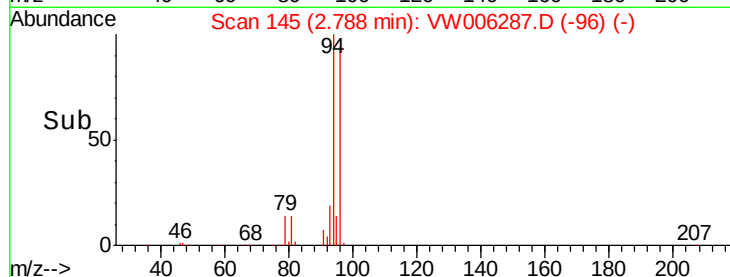
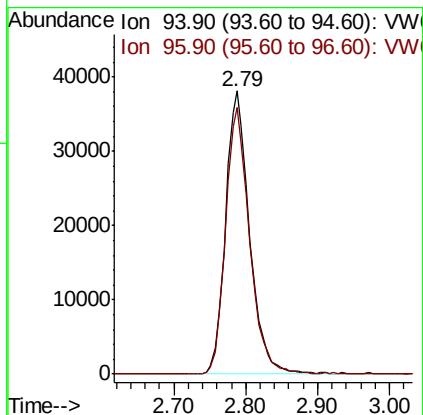
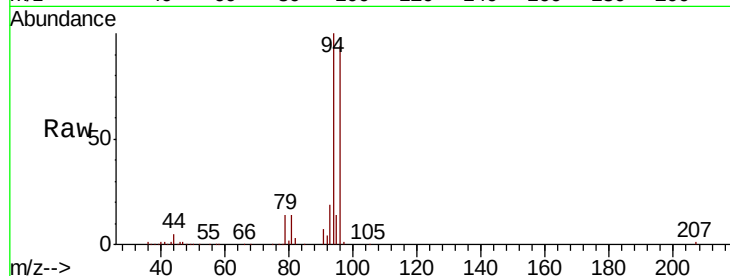
96 94.0 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 54.121 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006287.D

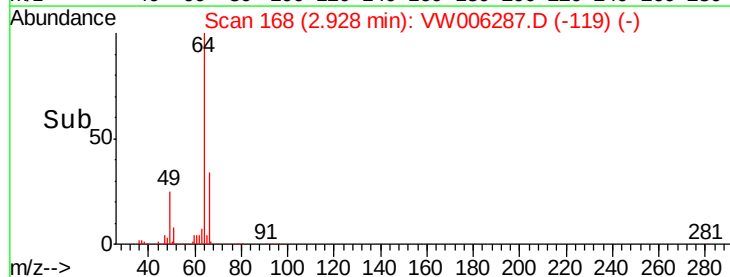
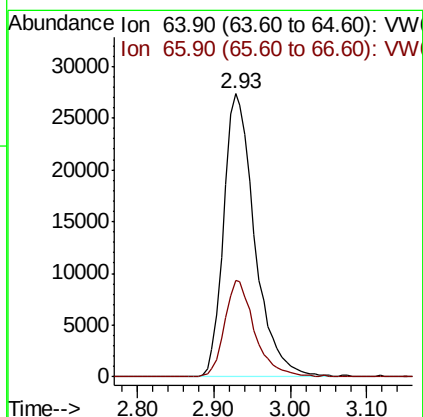
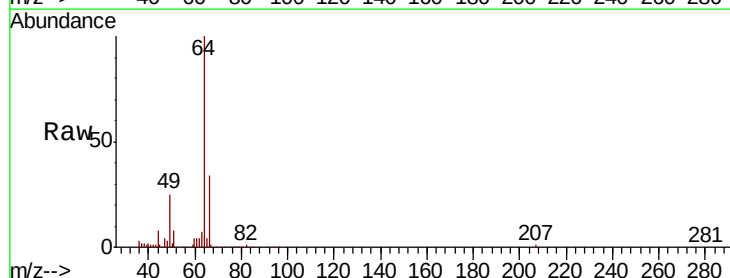
Acq: 23 Oct 2018 08:48

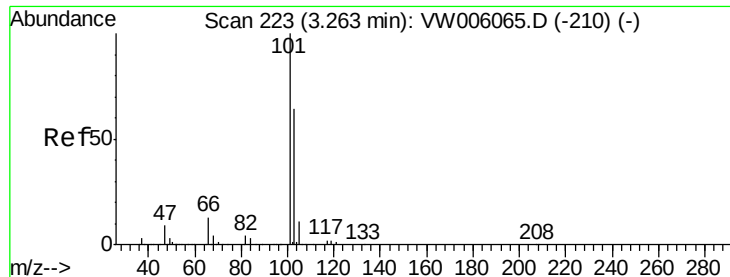
Tgt Ion: 64 Resp: 76849

Ion Ratio Lower Upper

64 100

66 34.1 24.9 37.3





#7

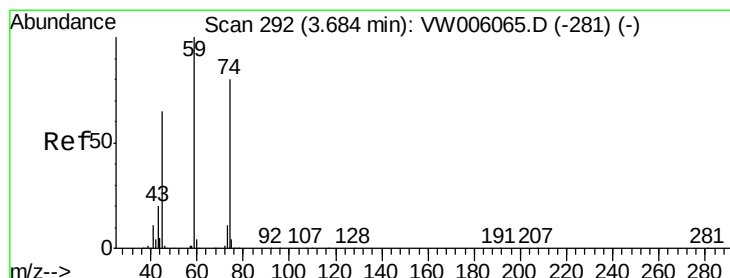
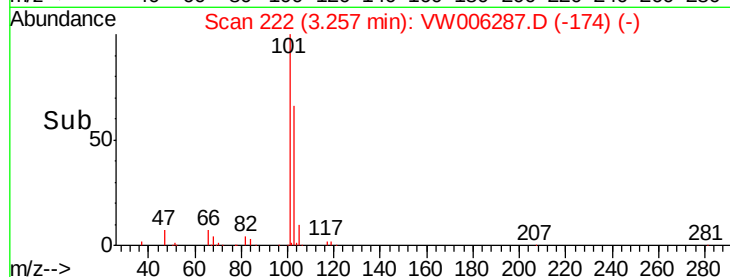
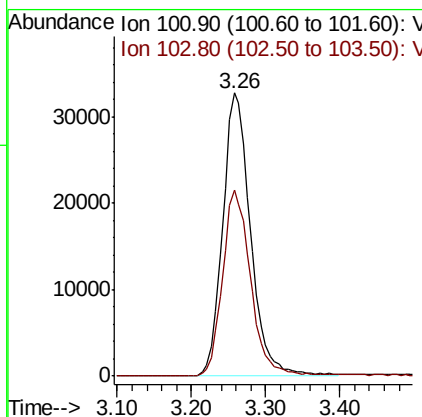
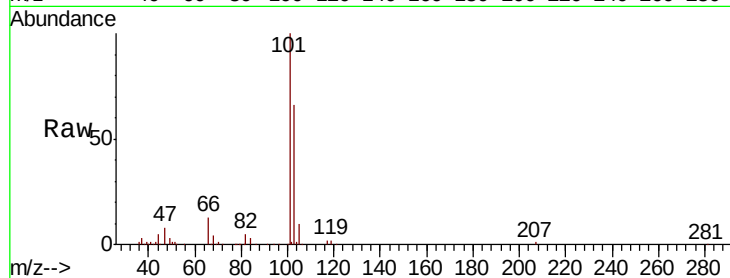
Trichlorofluoromethane
Concen: 46.405 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

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ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.2	76.8

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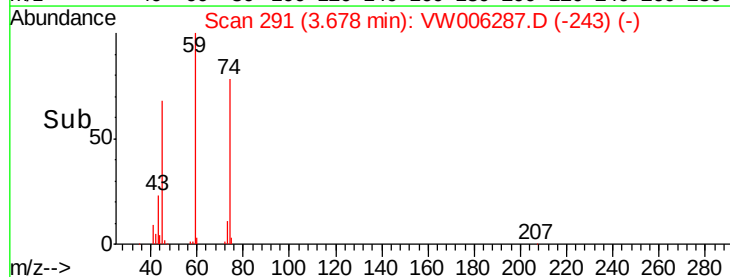
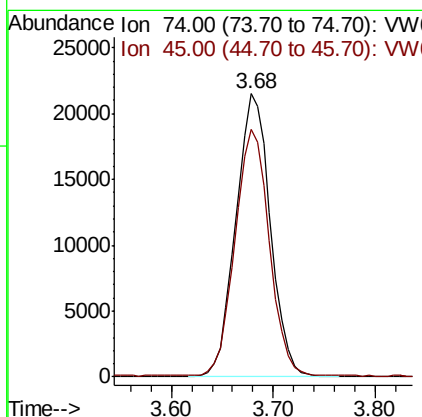
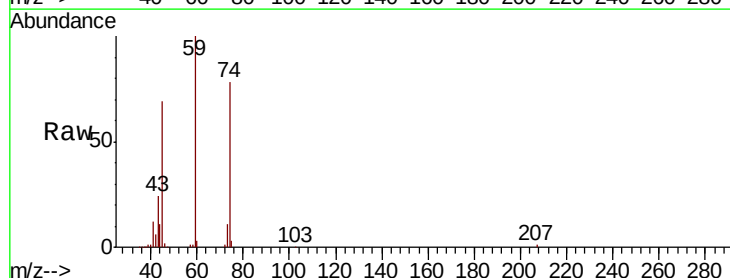
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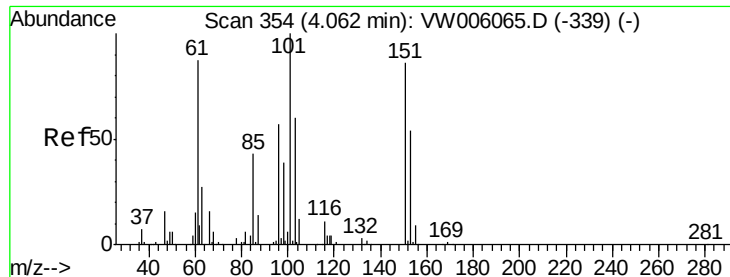


#8

Diethyl Ether
Concen: 51.433 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.2	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.420 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

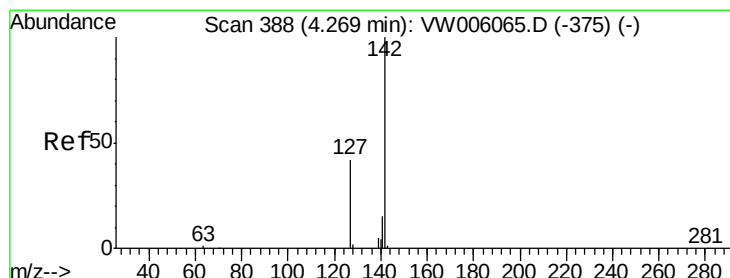
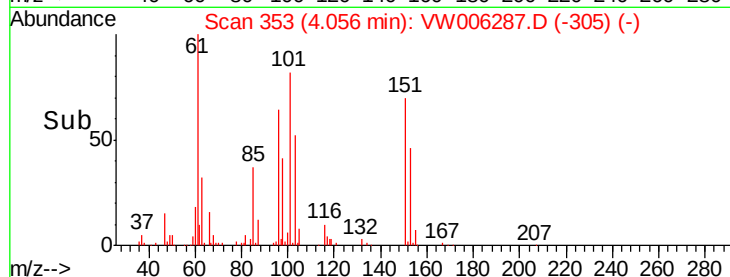
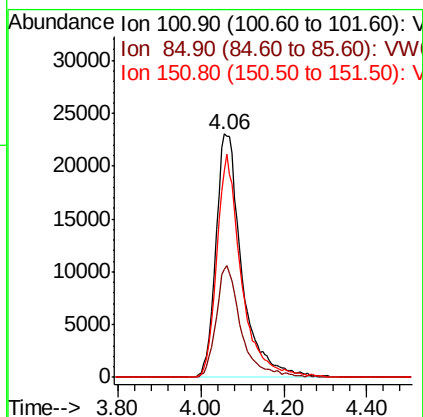
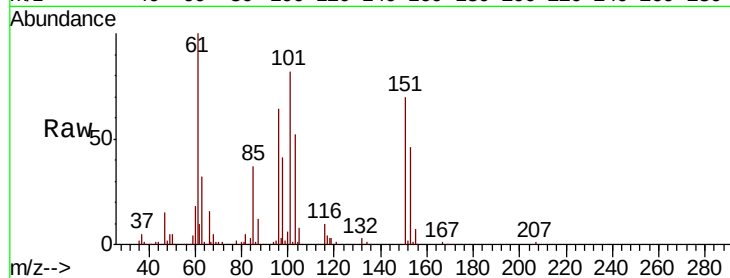
ClientSampleId :

PA-SED-01MSD

Tot Ion:	101	Resp:	99466
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.9	52.3
151	86.4	70.4	105.6

Manual Integrations
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#10

Methyl Iodide

Concen: 54.582 ug/l

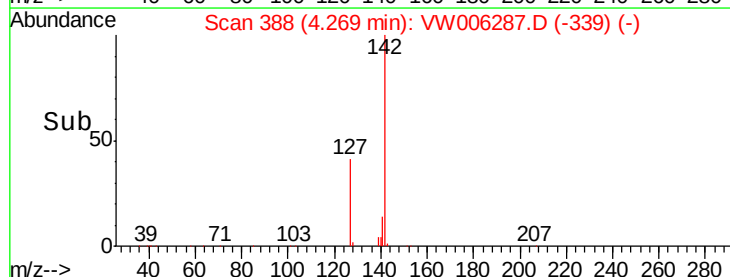
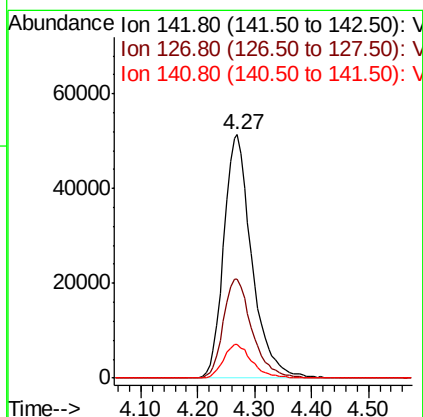
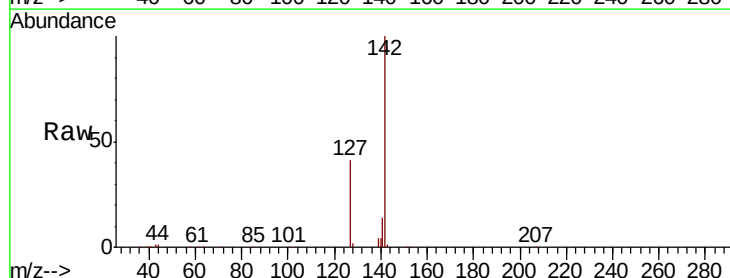
RT: 4.27 min Scan# 388

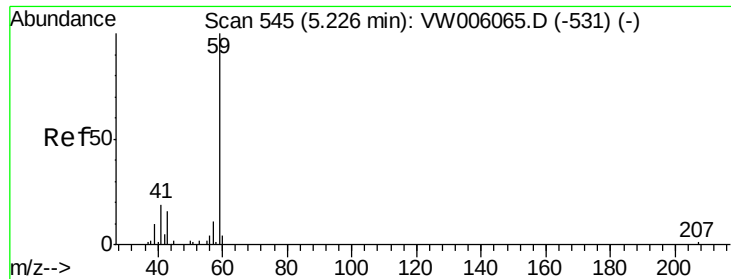
Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Tgt Ion:	142	Resp:	175734
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.6	50.4
141	14.2	11.6	17.4





#11

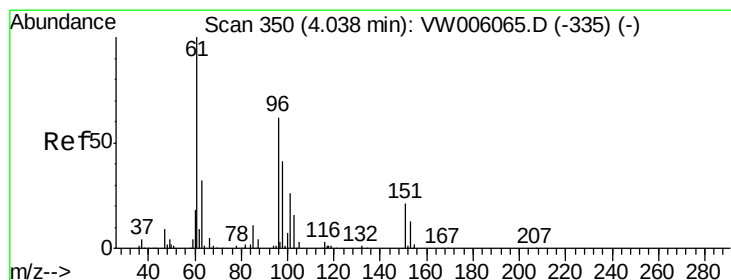
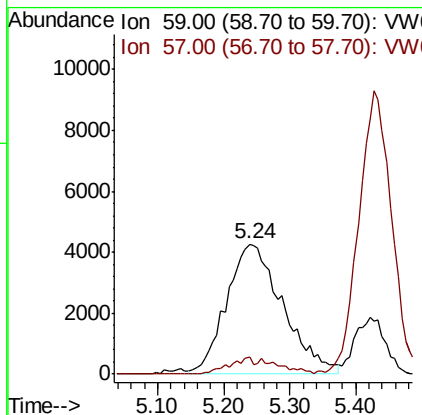
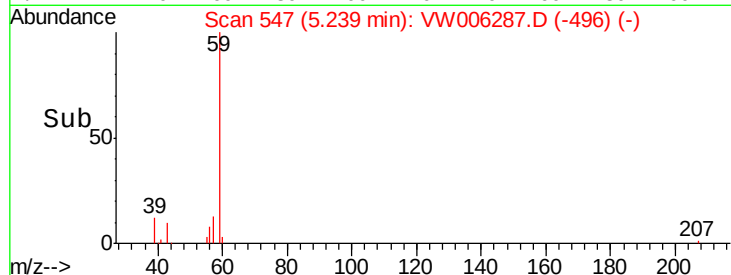
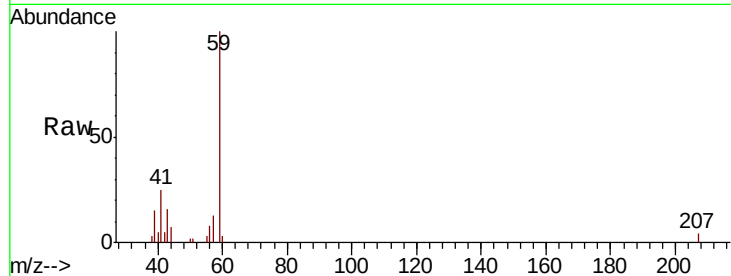
Tert butyl alcohol
Concen: 208.249 ug/l
RT: 5.24 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion: 59 Resp: 25291
Ion Ratio Lower Upper
59 100
57 5.3 8.7 13.1#

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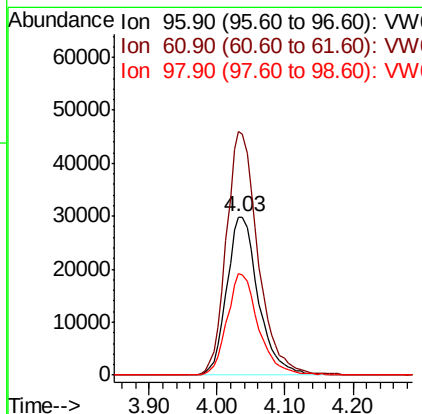
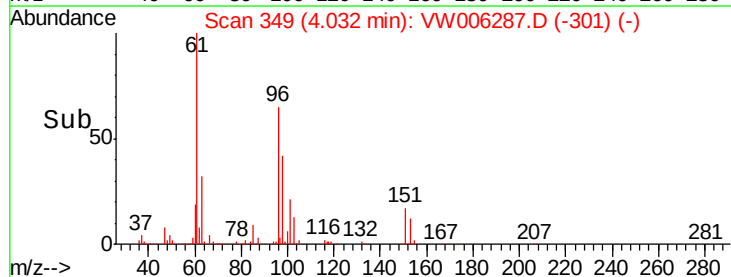
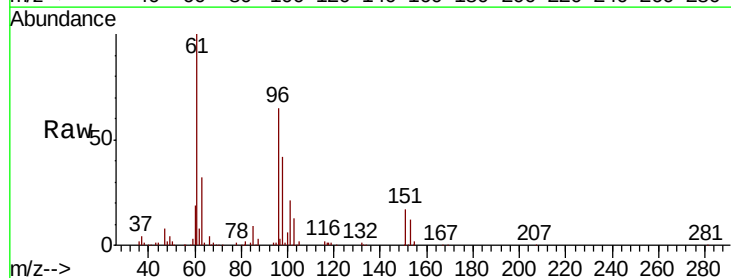
sam
10/24/2018 5:33:50 PM

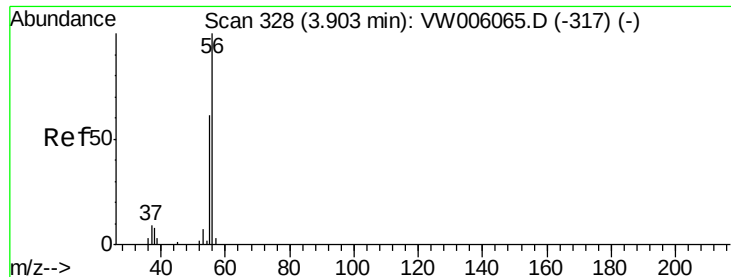


#12

1,1-Dichloroethene
Concen: 53.030 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion: 96 Resp: 96509
Ion Ratio Lower Upper
96 100
61 153.8 129.3 193.9
98 63.9 53.1 79.7





#13

Acrolein

Concen: 157.818 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MSD

Tot Ion: 56 Resp: 18546

Ion Ratio Lower Upper

56 100

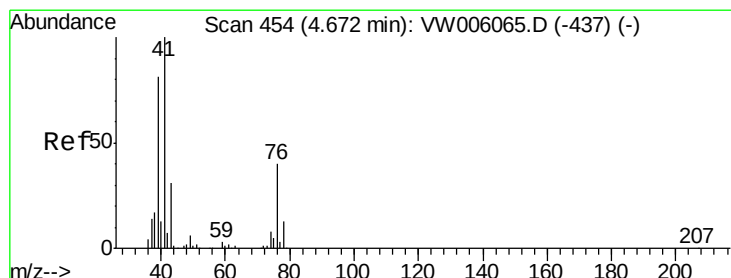
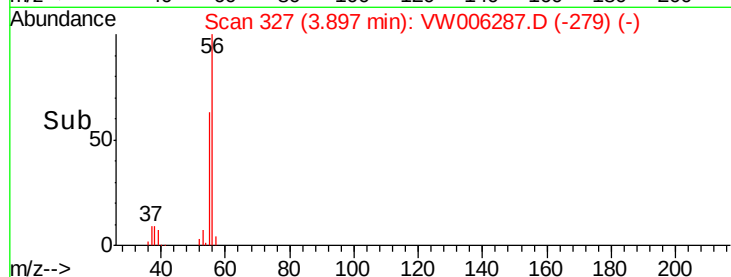
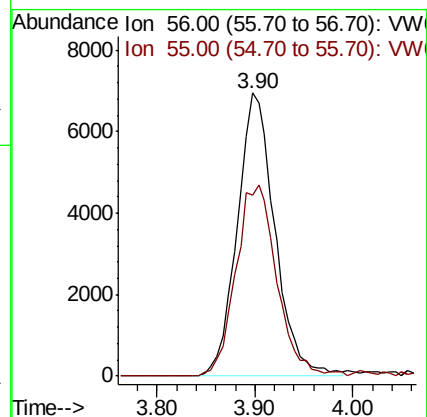
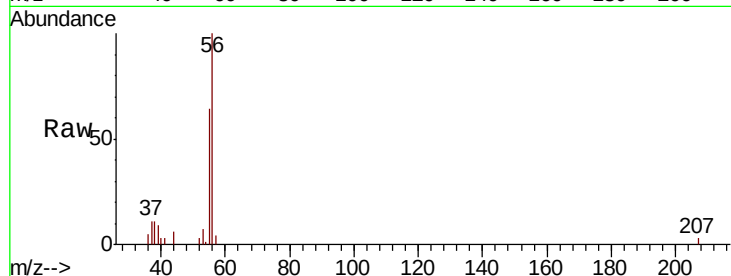
55 73.3 54.5 81.7

Manual Integrations

APPROVED

sam

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#14

Allyl chloride

Concen: 38.439 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

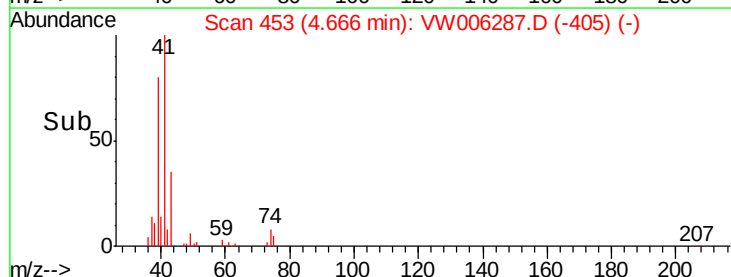
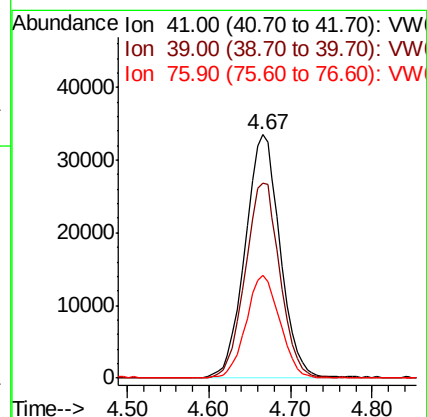
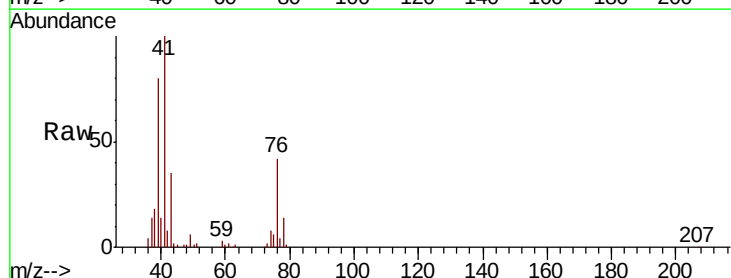
Tgt Ion: 41 Resp: 100023

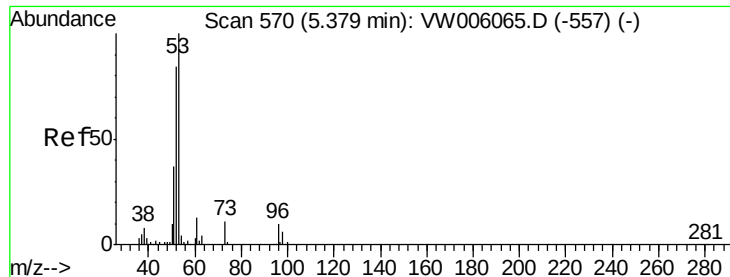
Ion Ratio Lower Upper

41 100

39 79.6 64.1 96.1

76 40.7 32.2 48.4





#15

Acrylonitrile

Concen: 260.686 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

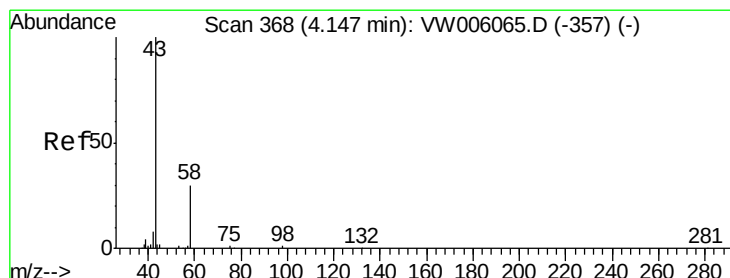
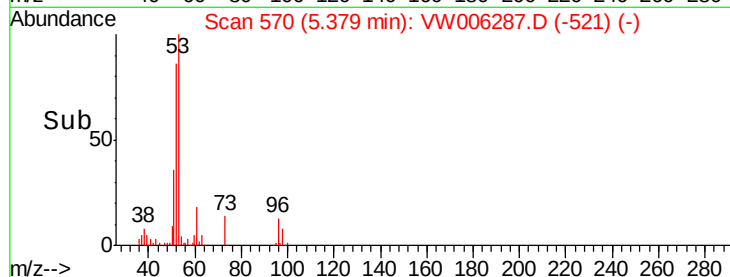
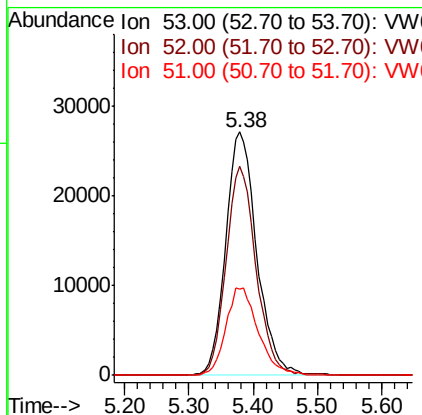
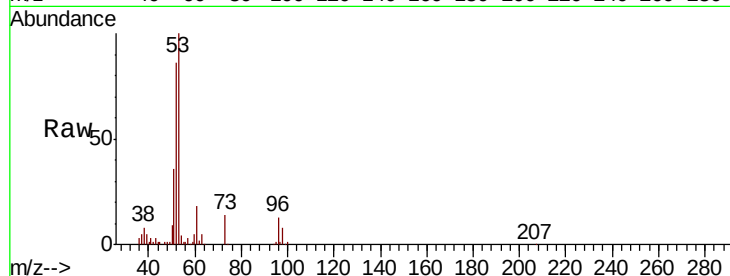
ClientSampleId :

PA-SED-01MSD

Tot Ion:	53	Resp:	91723
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.9	100.3
51	37.5	30.1	45.1

Manual Integrations
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sam
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#16

Acetone

Concen: 211.967 ug/l

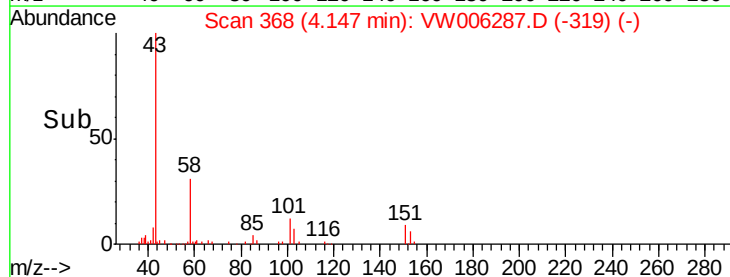
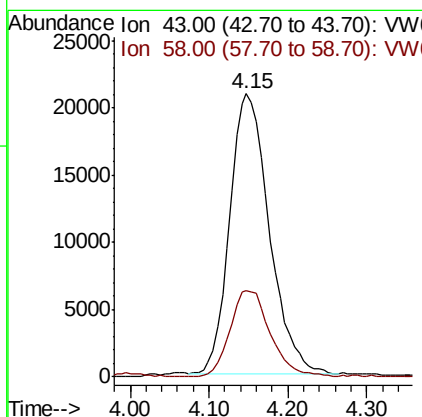
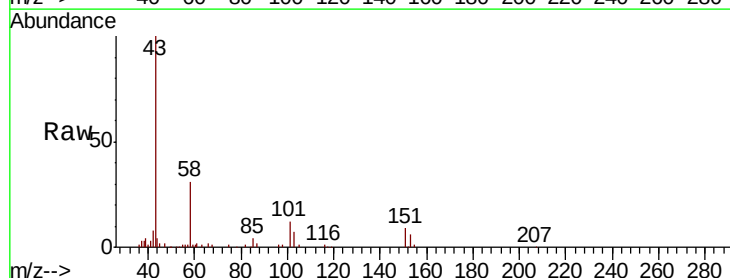
RT: 4.15 min Scan# 368

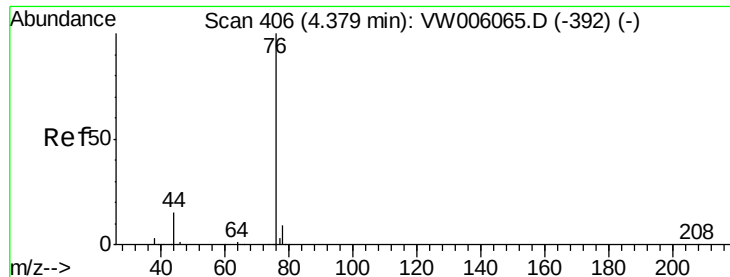
Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Tgt Ion:	43	Resp:	72572
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0





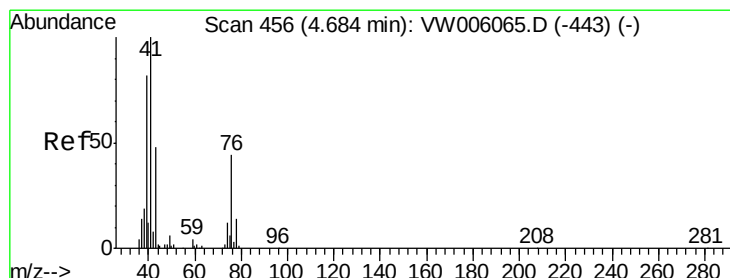
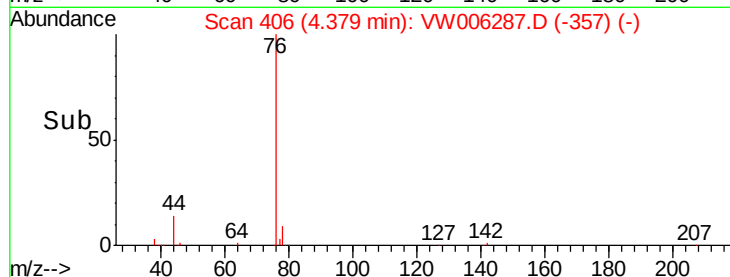
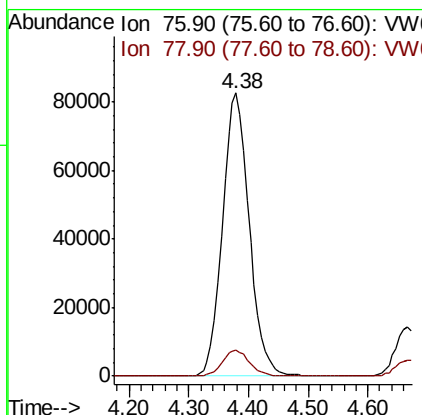
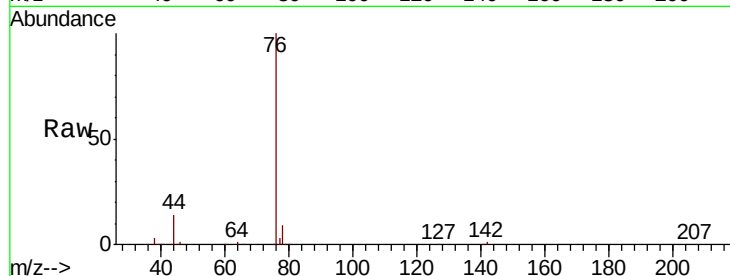
#17
Carbon Disulfide
Concen: 46.734 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
76	100	256685		
78	9.4		7.5	11.3

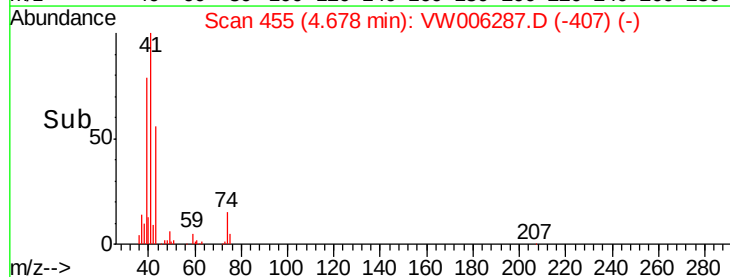
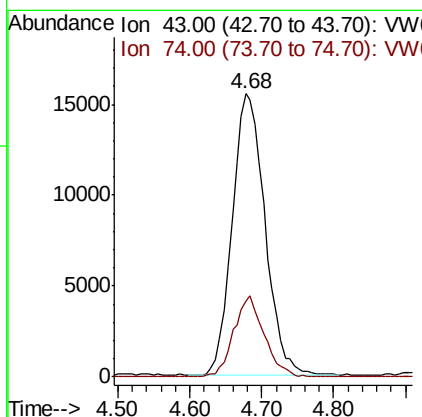
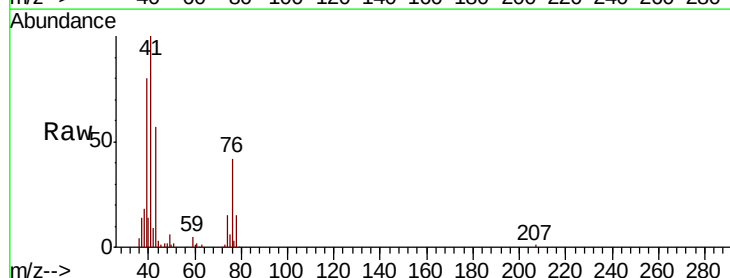
Manual Integrations
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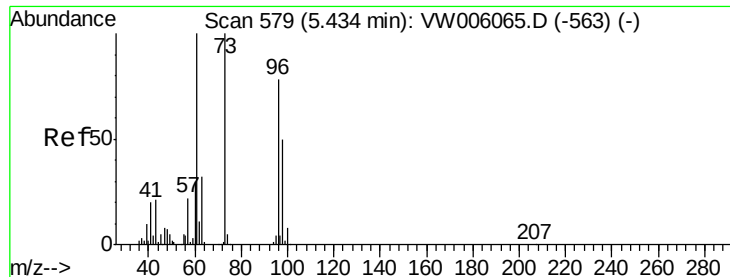
sam
10/24/2018 5:33:50 PM



#18
Methyl Acetate
Concen: 54.072 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	49138		
74	26.6		20.5	30.7





#19

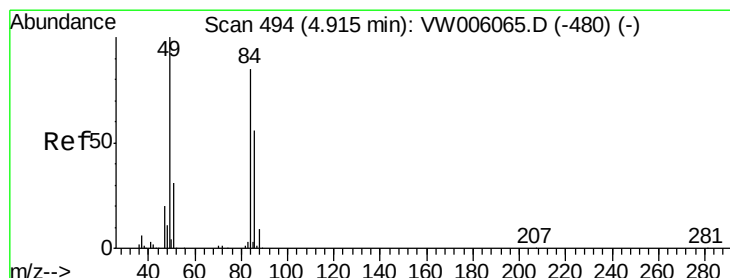
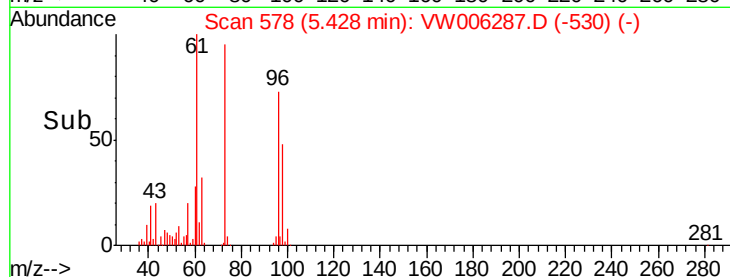
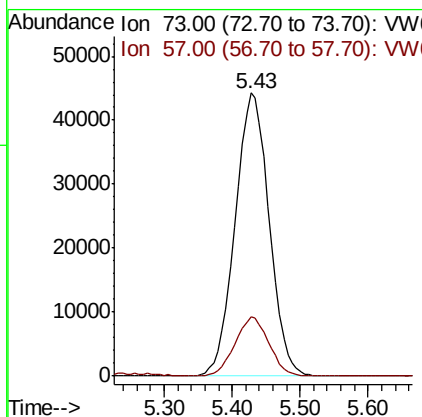
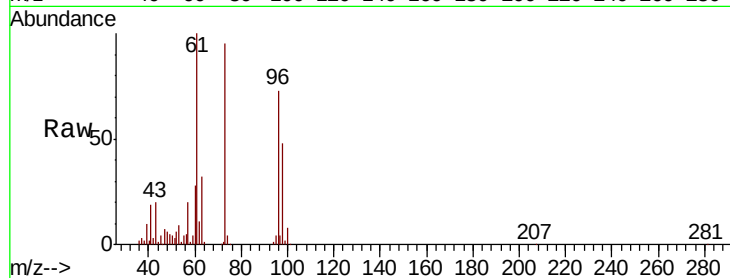
Methyl tert-butyl Ether
 Concen: 55.448 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2

Manual Integrations
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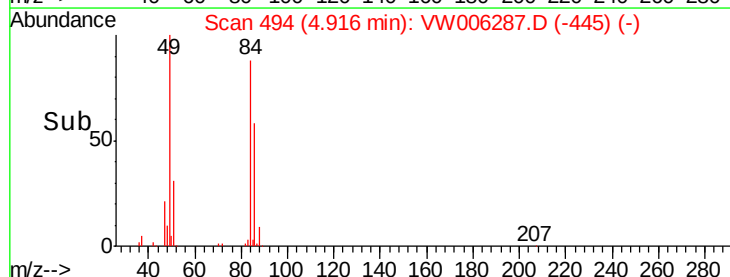
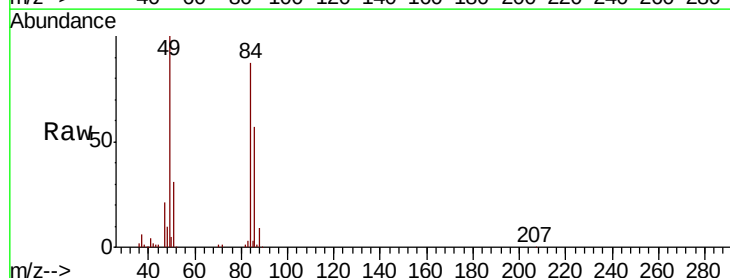
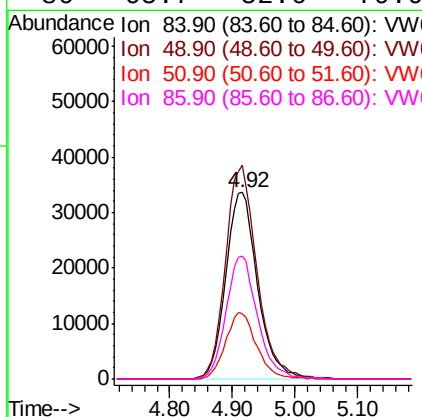
sam
 10/24/2018 5:33:50 PM

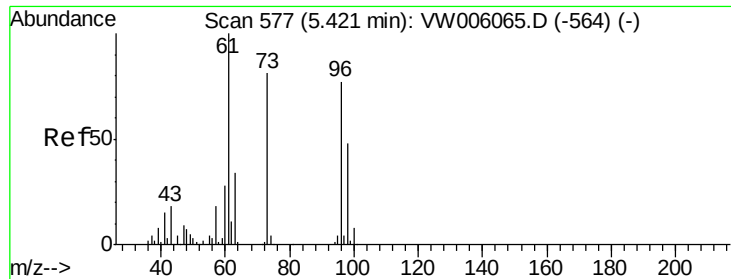


#20

Methylene Chloride
 Concen: 62.291 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.4	93.6	140.4
51	35.2	29.0	43.4
86	65.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 54.346 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

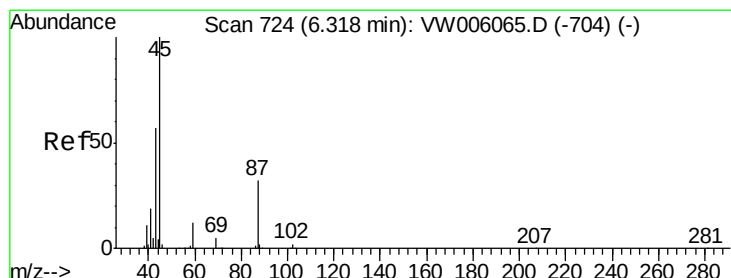
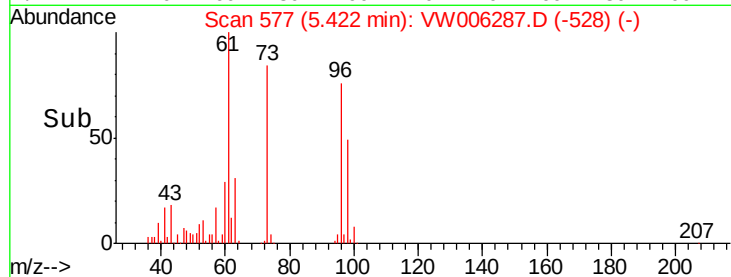
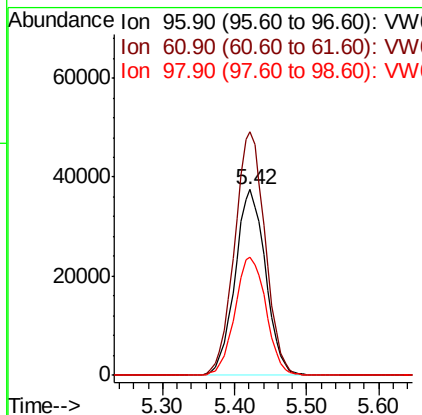
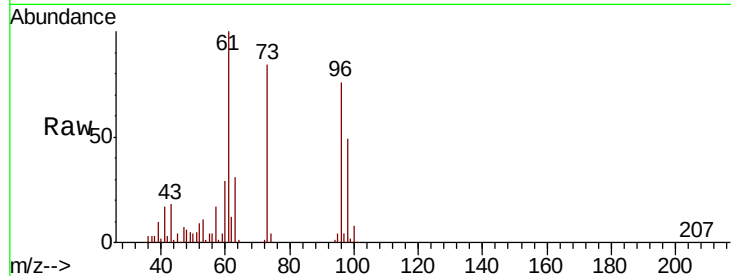
ClientSampleId :

PA-SED-01MSD

Tot Ion:	96	Resp:	110396
Ion	Ratio	Lower	Upper
96	100		
61	131.1	104.5	156.7
98	63.9	50.6	75.8

Manual Integrations
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sam
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#22

Diisopropyl ether

Concen: 57.578 ug/l

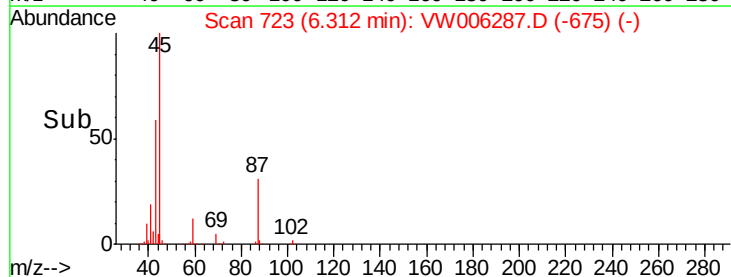
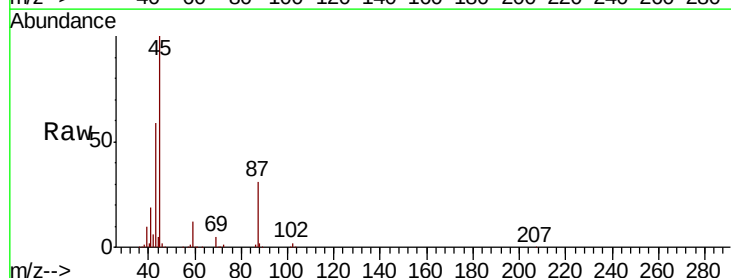
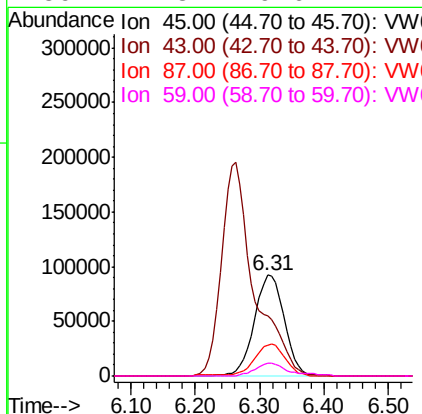
RT: 6.31 min Scan# 723

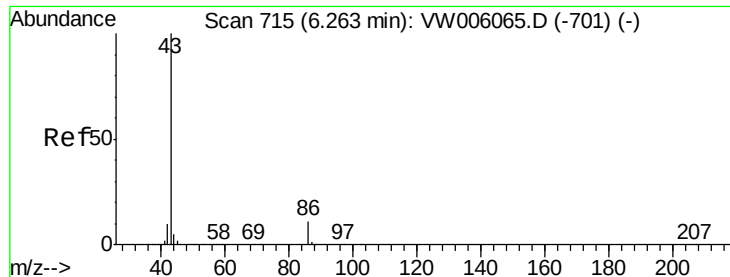
Delta R.T. -0.01 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Tgt Ion:	45	Resp:	296077
Ion	Ratio	Lower	Upper
45	100		
43	59.0	45.7	68.5
87	30.6	25.9	38.9
59	12.3	9.6	14.4





#23

Vinyl Acetate

Concen: 228.601 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MSD

Tot Ion: 43 Resp: 693737

Ion Ratio Lower Upper

43 100

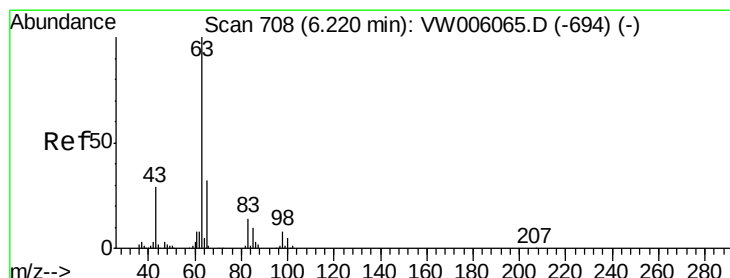
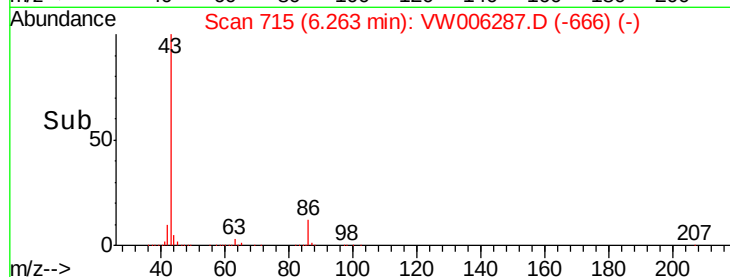
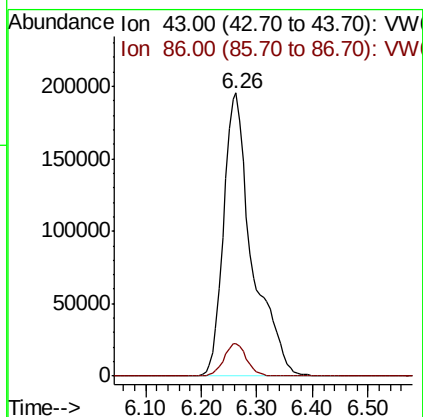
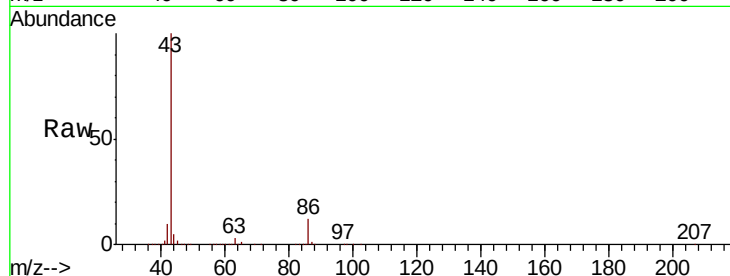
86 11.6 9.0 13.6

Manual Integrations

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sam

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#24

1,1-Dichloroethane

Concen: 58.616 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

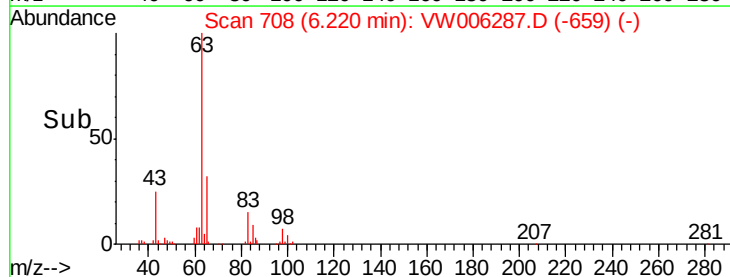
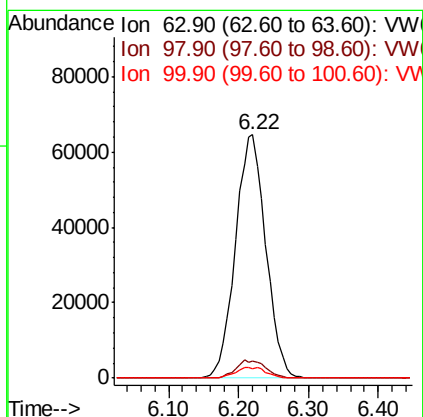
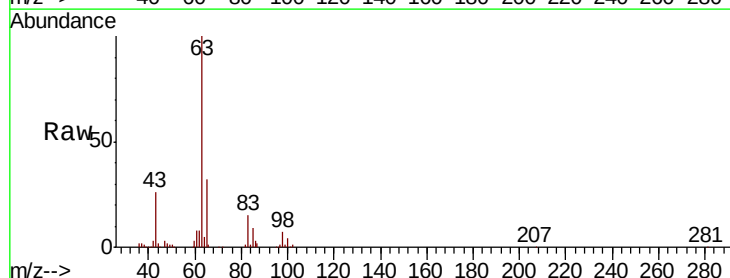
Tgt Ion: 63 Resp: 194492

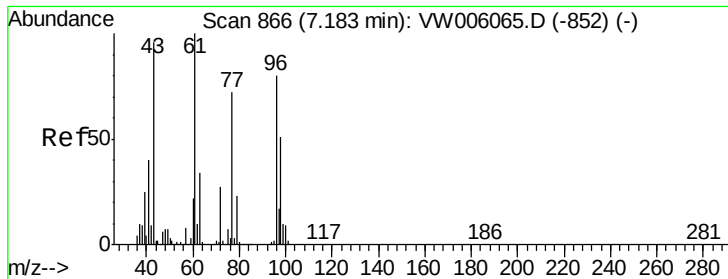
Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.2

100 4.0 2.5 7.5





#25

2-Butanone

Concen: 231.793 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MSD

Tot Ion: 43 Resp: 113075

Ion Ratio Lower Upper

43 100

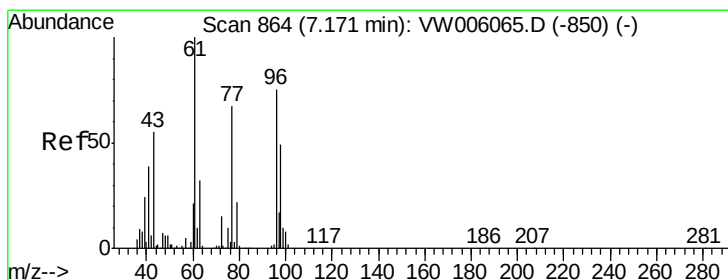
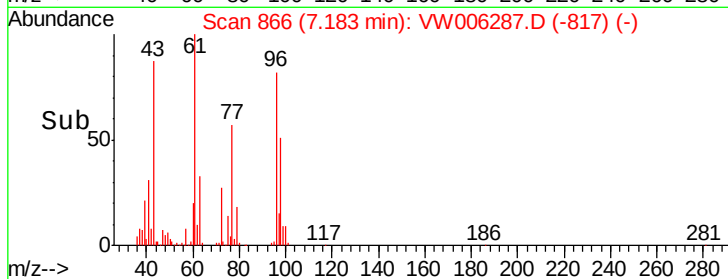
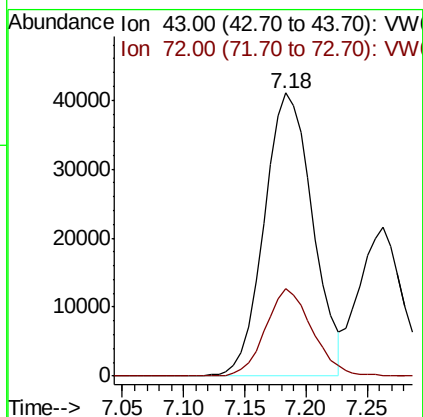
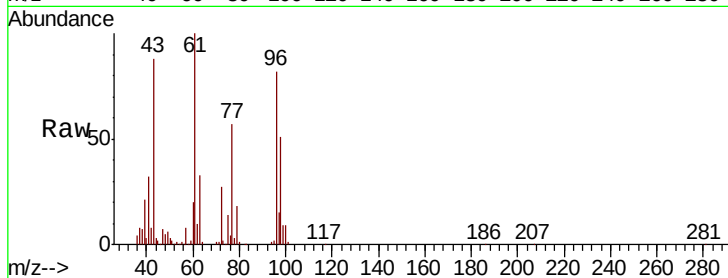
72 30.8 22.8 34.2

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 43.234 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006287.D

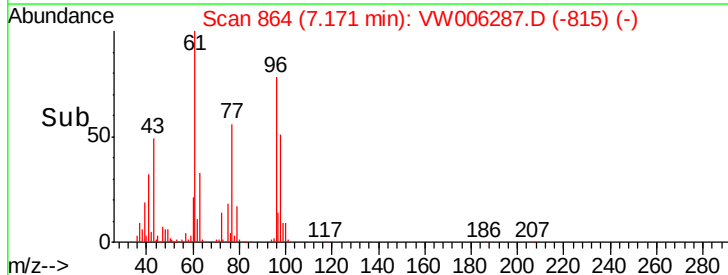
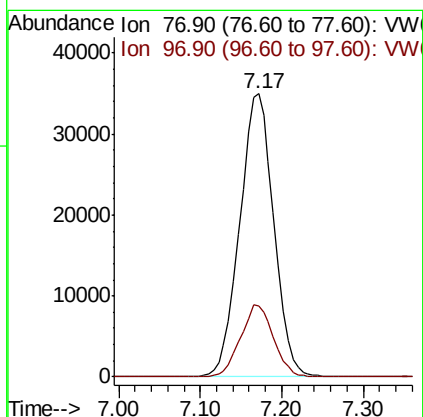
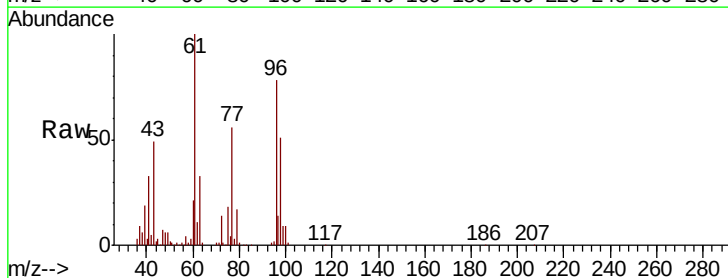
Acq: 23 Oct 2018 08:48

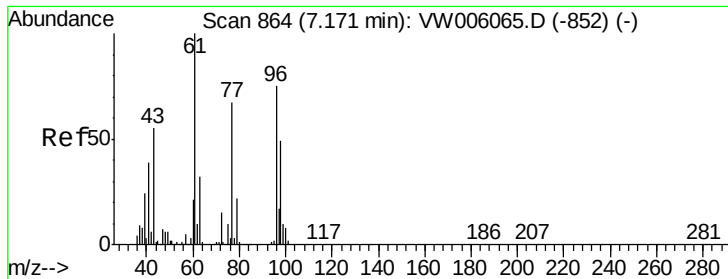
Tgt Ion: 77 Resp: 101177

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.4





#27

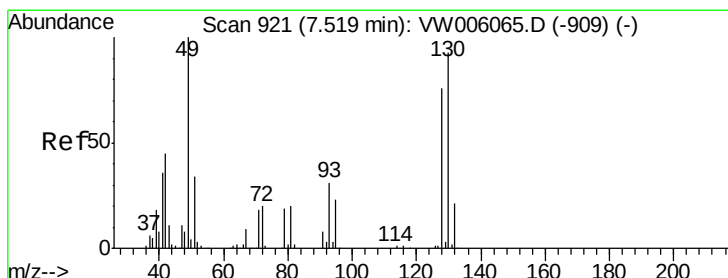
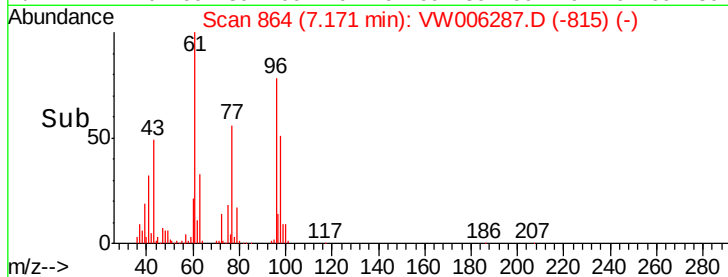
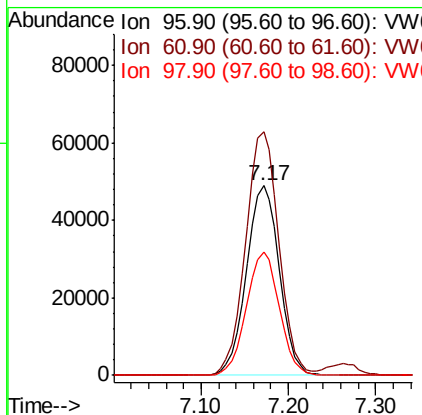
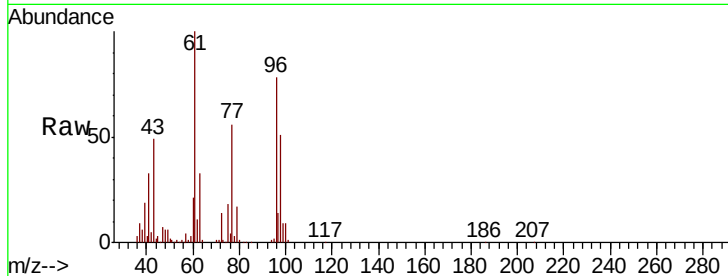
cis-1,2-Dichloroethene
 Concen: 57.142 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	267.2
98	65.0	0.0	128.6

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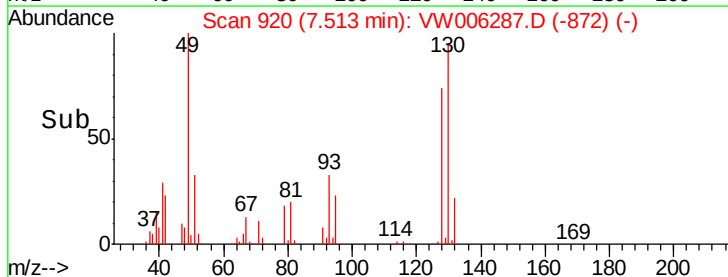
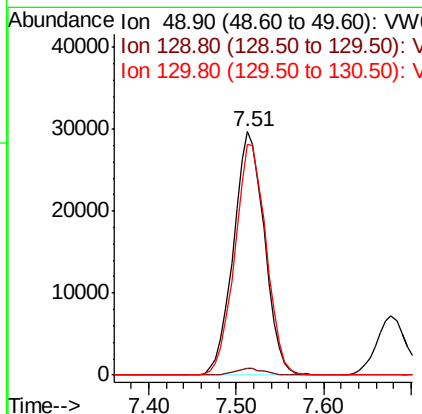
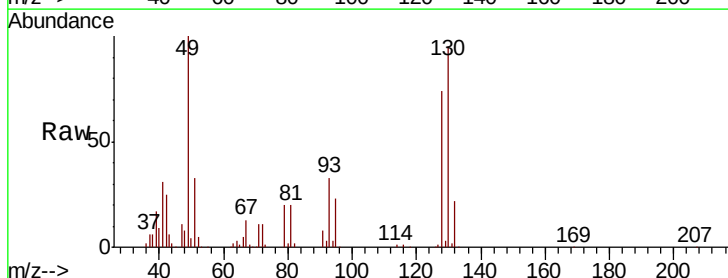
sam
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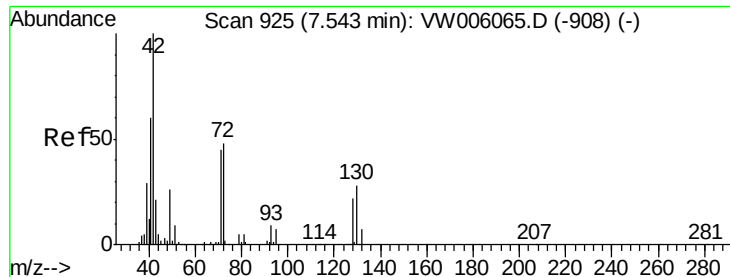


#28

Bromochloromethane
 Concen: 56.833 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	96.0	73.8	110.8





#29

Tetrahydrofuran

Concen: 249.403 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

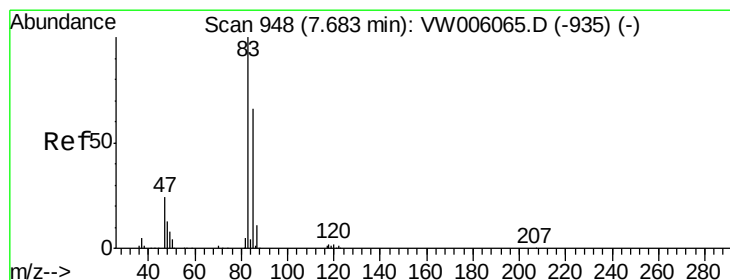
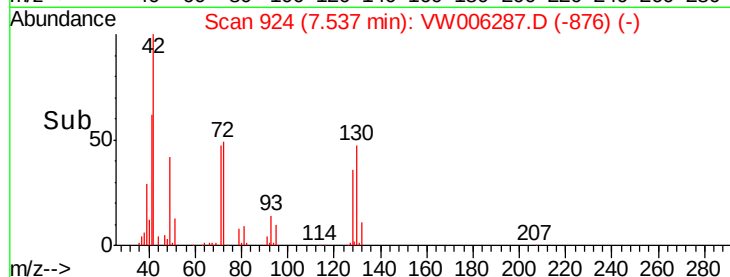
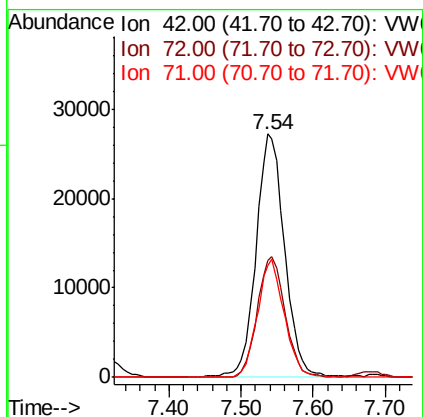
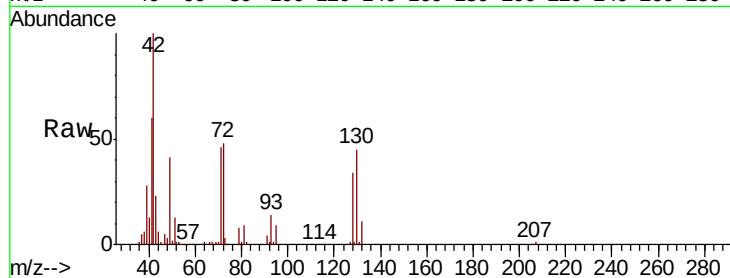
ClientSampleId :

PA-SED-01MSD

Tot Ion:	42	Resp:	74785
Ion Ratio	Lower	Upper	
42	100		
72	48.5	38.0	57.0
71	45.6	35.3	52.9

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#30

Chloroform

Concen: 58.503 ug/l

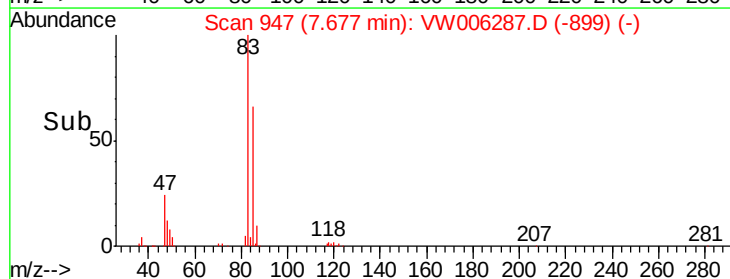
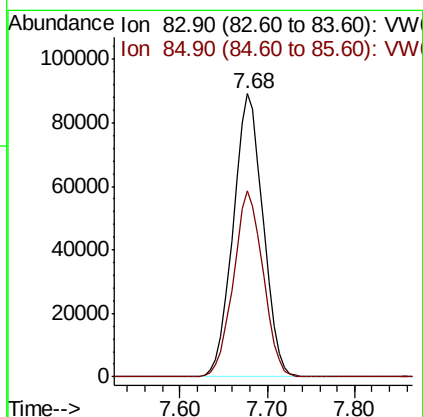
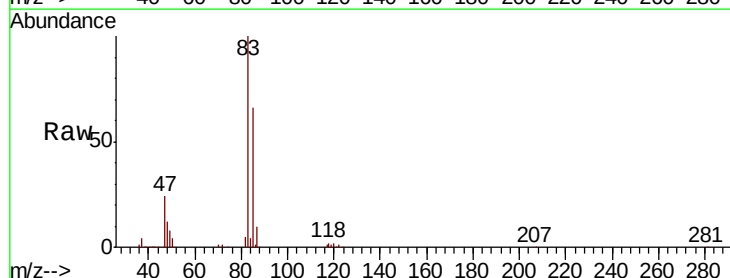
RT: 7.68 min Scan# 947

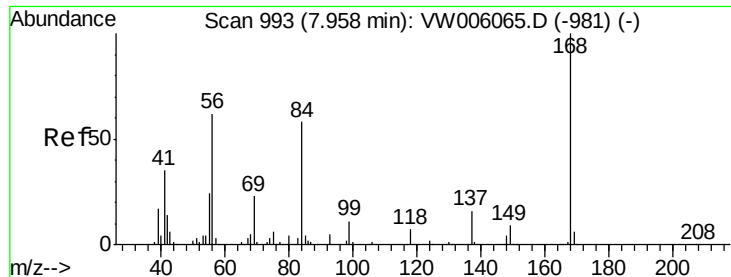
Delta R.T. -0.01 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Tgt Ion:	83	Resp:	211493
Ion Ratio	Lower	Upper	
83	100		
85	65.8	52.6	79.0





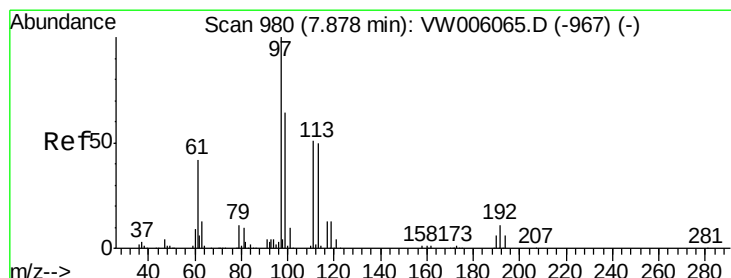
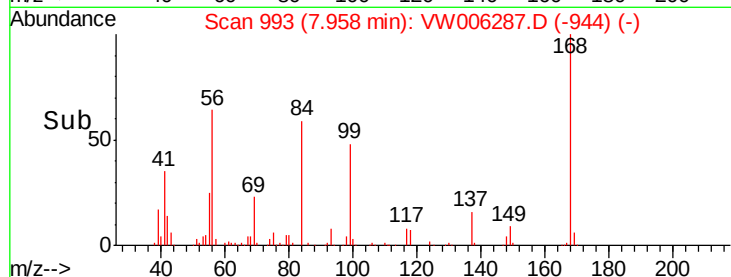
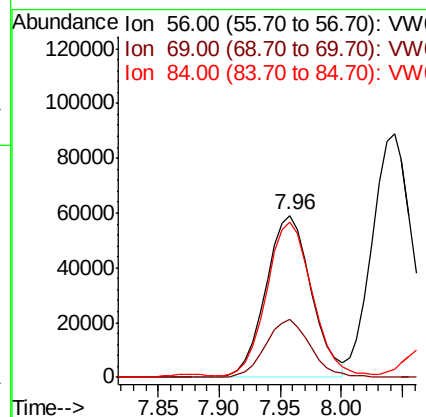
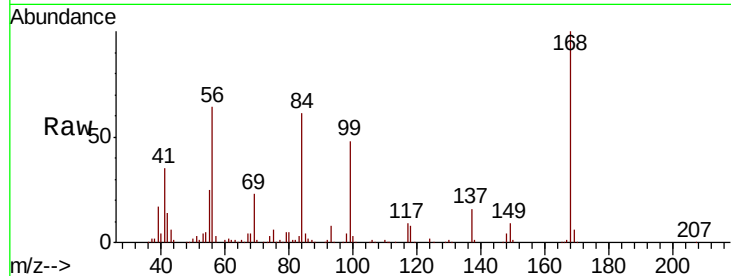
#31
Cyclohexane
Concen: 46.234 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	29.4	44.0
84	94.2	74.0	111.0

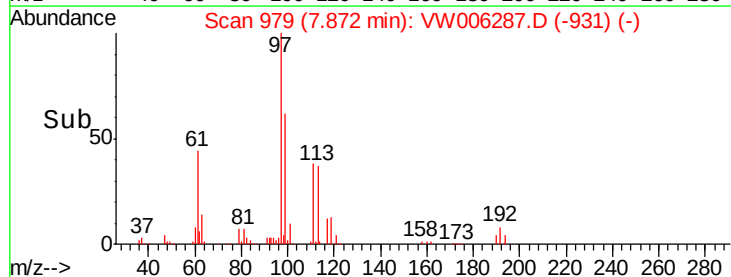
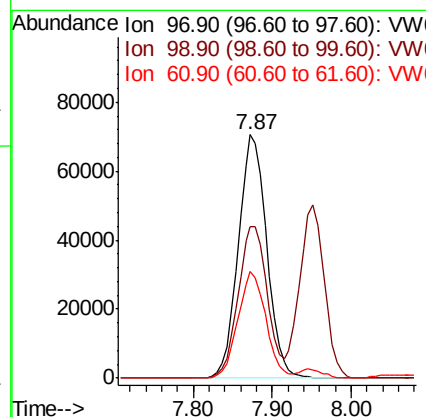
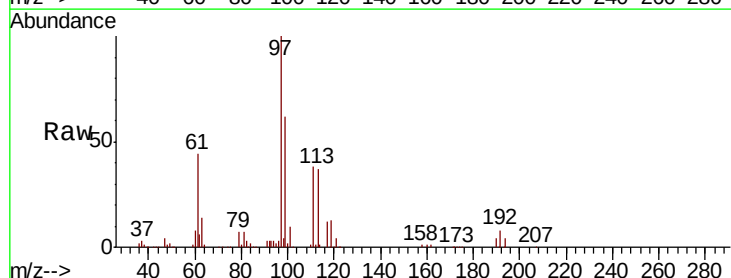
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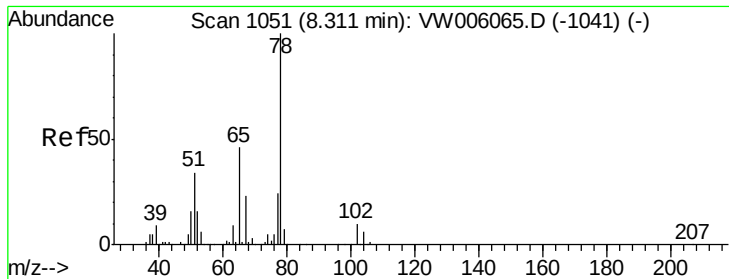
sam
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#32
1,1,1-Trichloroethane
Concen: 54.169 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.9	76.3
61	43.2	33.7	50.5





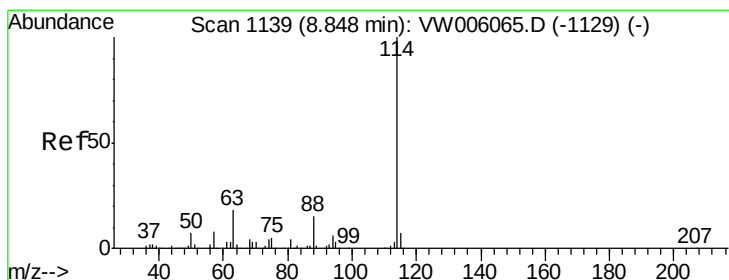
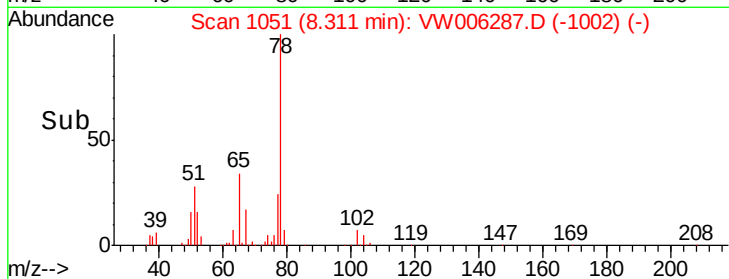
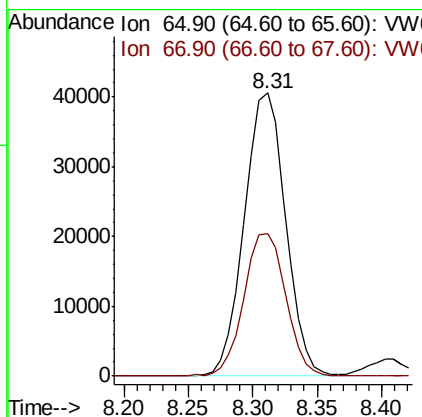
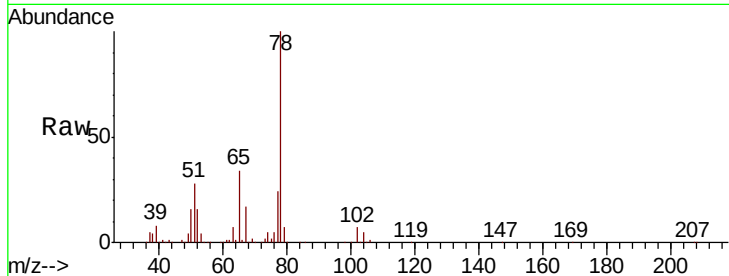
#33
 1,2-Dichloroethane-d4
 Concen: 49.984 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	90259		
67	51.0	0.0	101.0	

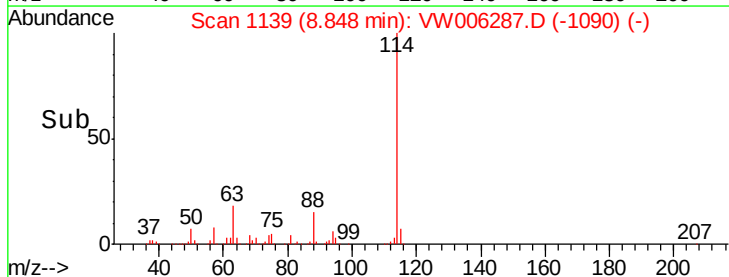
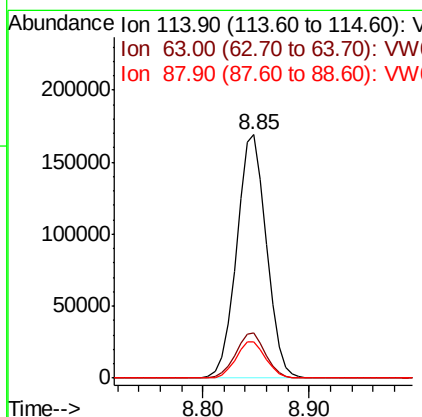
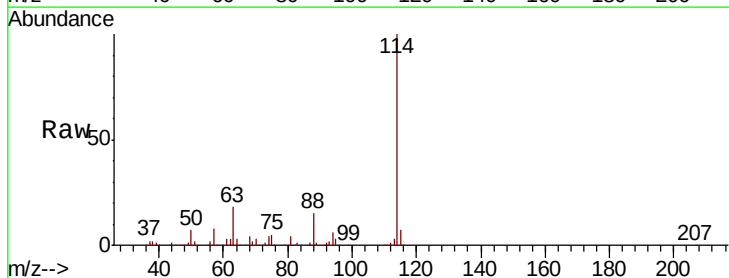
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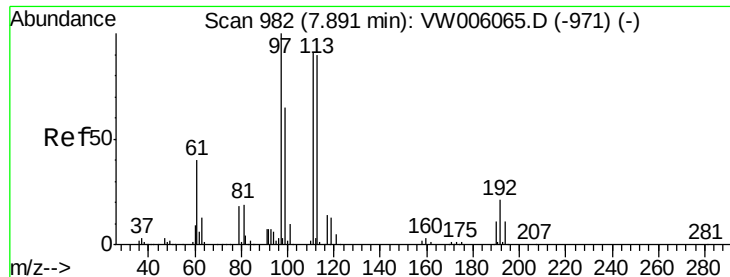
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	331880		
63	18.4	0.0	36.8	
88	14.8	0.0	29.0	





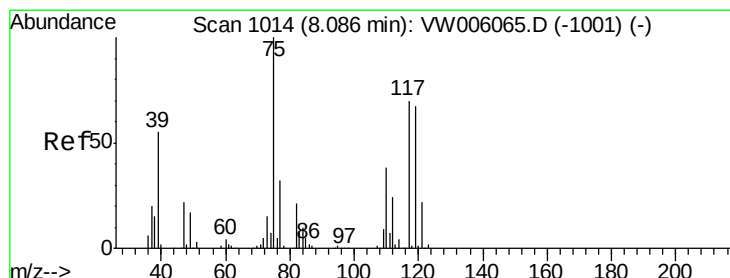
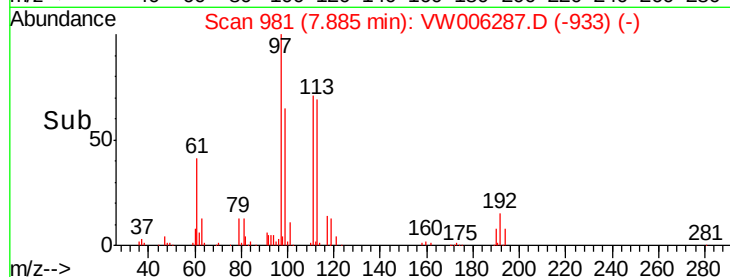
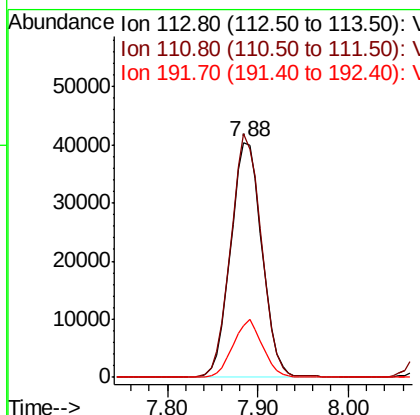
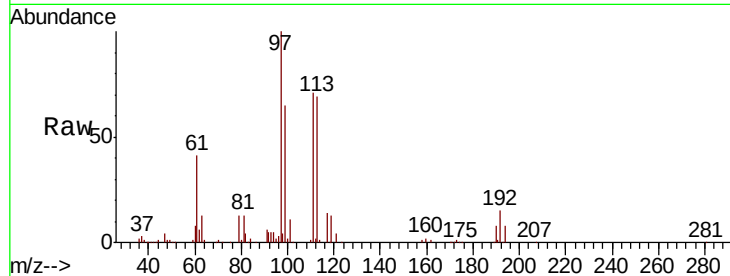
#35
 Dibromofluoromethane
 Concen: 49.449 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.4	122.0
192	23.1	18.7	28.1

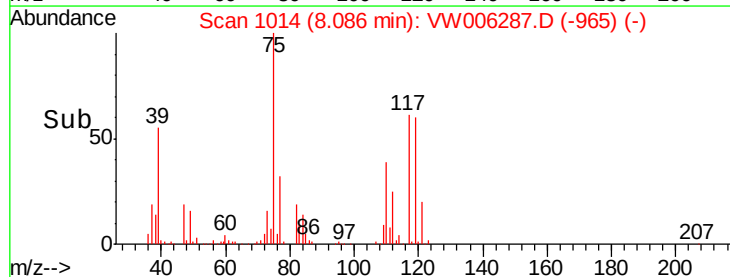
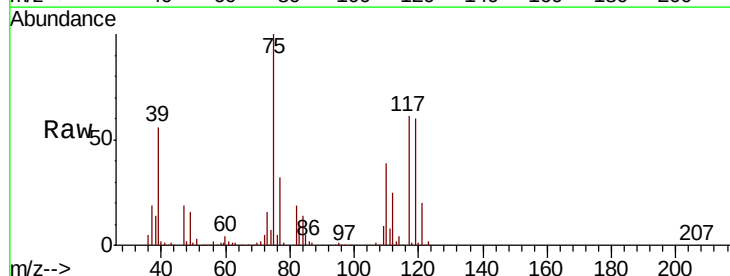
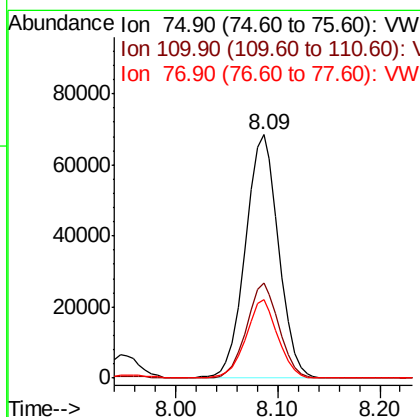
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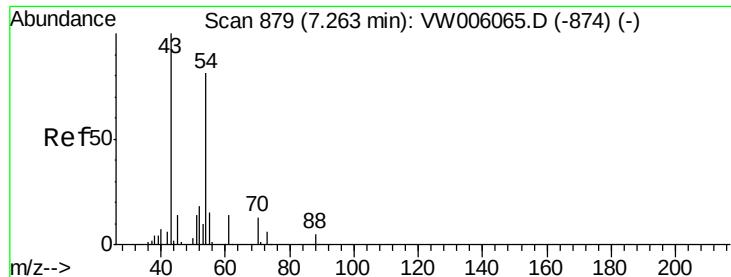
sam
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#36
 1,1-Dichloropropene
 Concen: 50.675 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.1	57.1
77	31.0	25.0	37.4





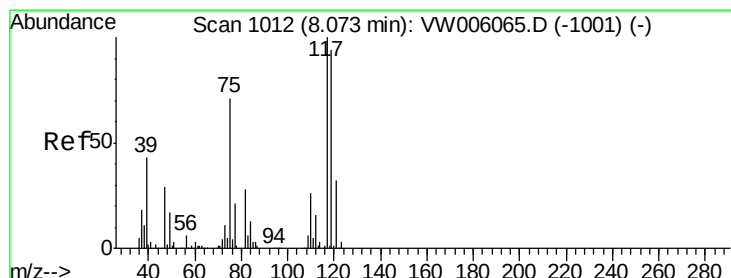
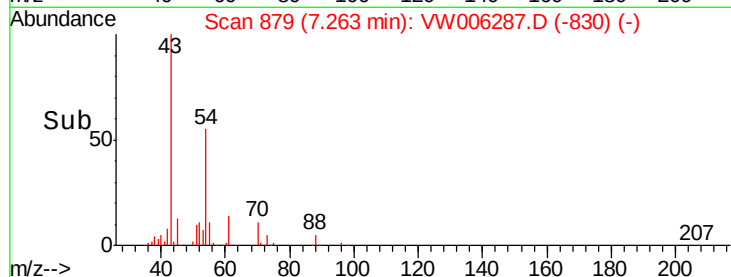
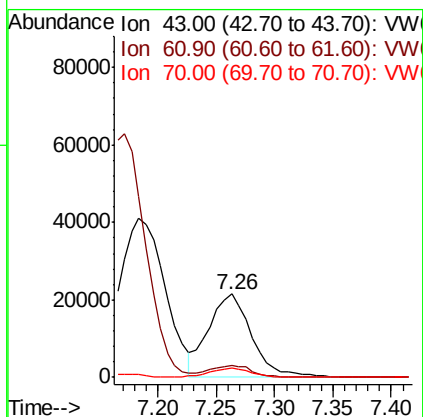
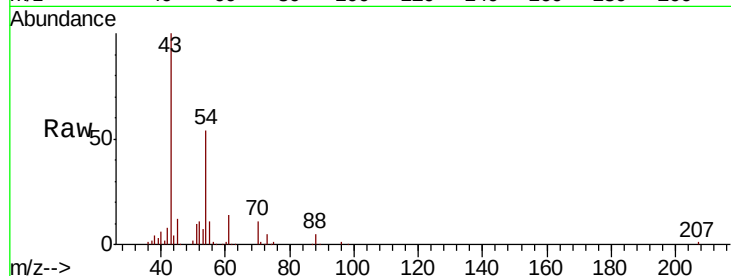
#37
Ethyl Acetate
Concen: 47.932 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	10.9	9.2	13.8

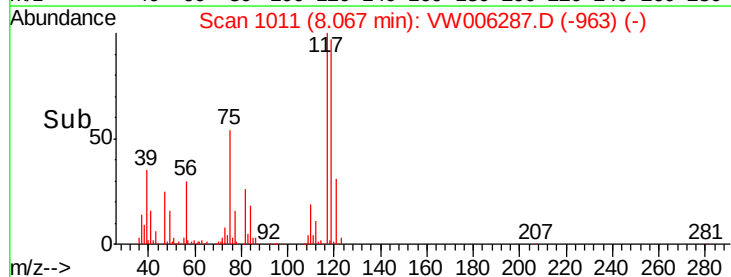
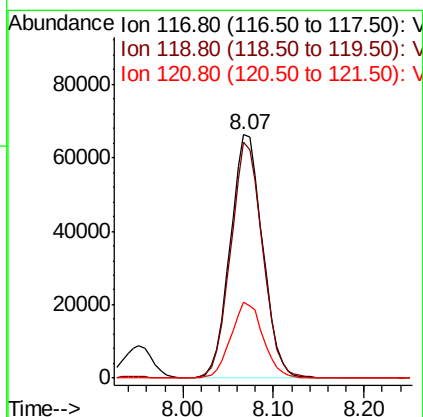
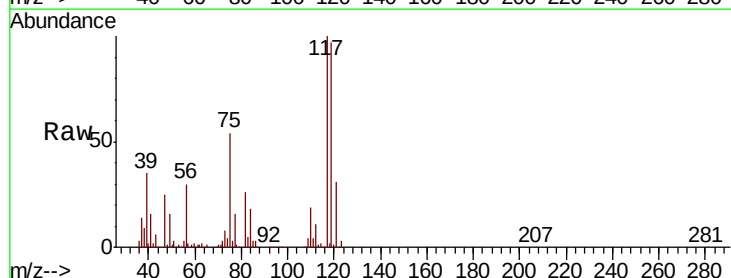
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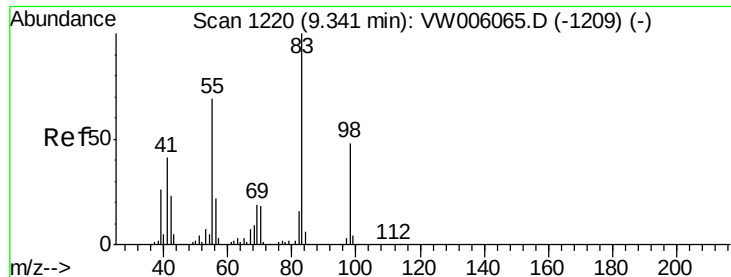
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#38
Carbon Tetrachloride
Concen: 48.814 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.2	112.8
121	31.3	25.3	37.9





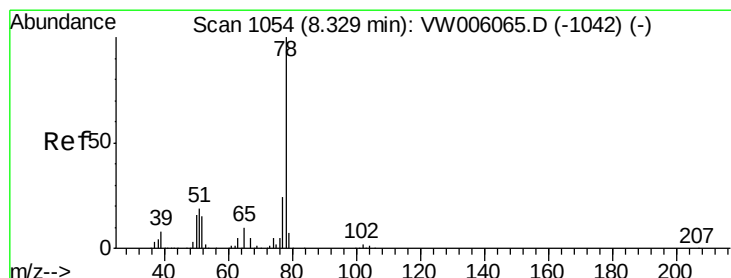
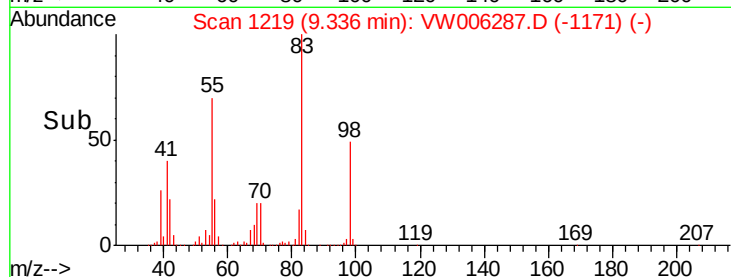
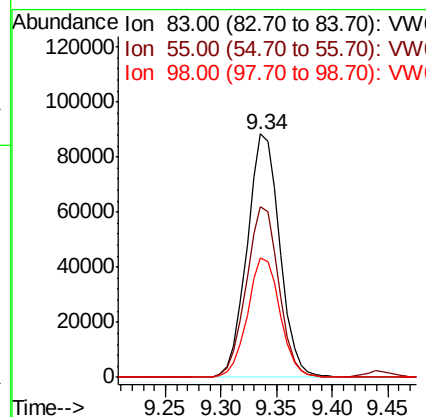
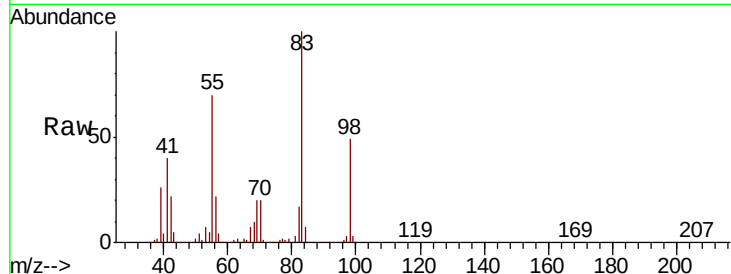
#39
Methylvlcyclohexane
Concen: 44.430 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.1	55.0	82.6
98	49.3	38.6	57.8

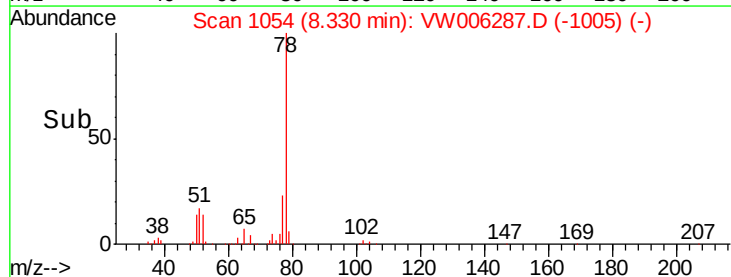
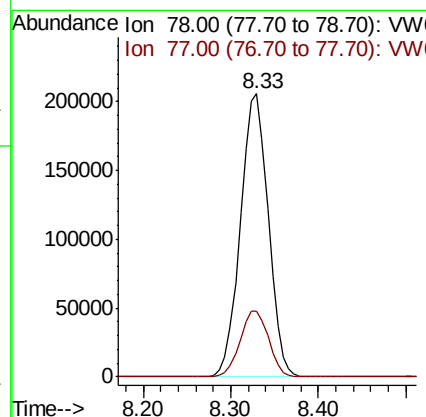
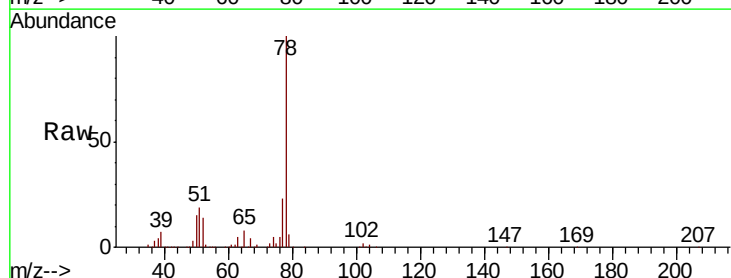
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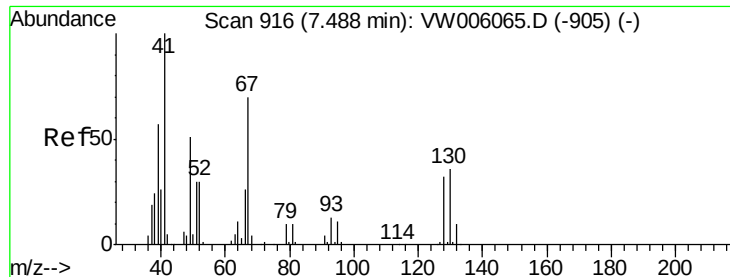
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#40
Benzene
Concen: 54.275 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0





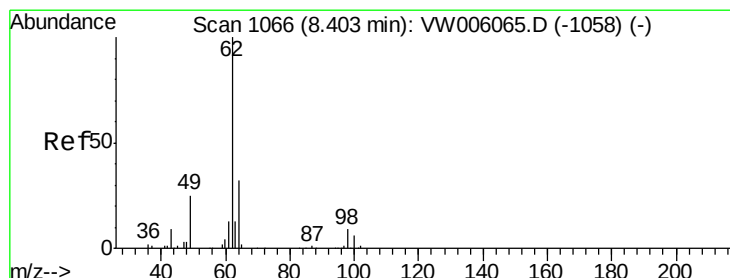
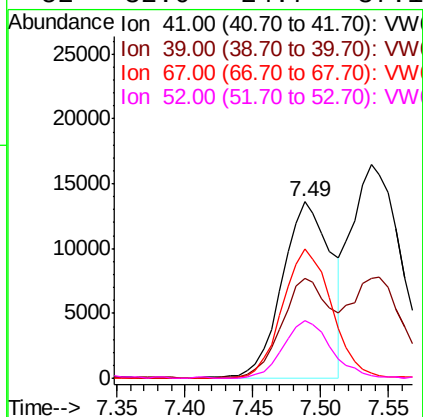
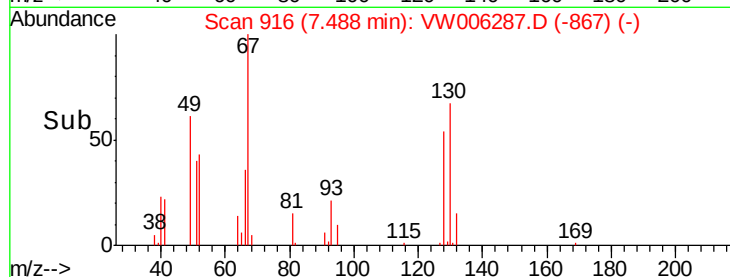
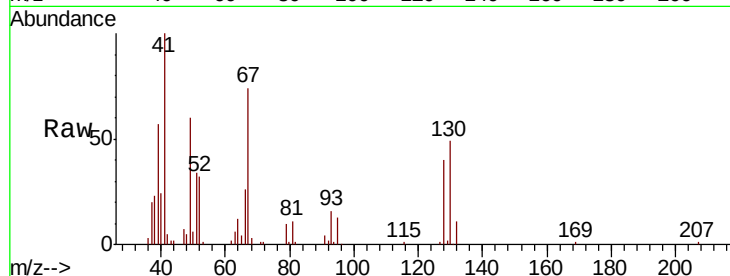
#41
Methacrylonitrile
Concen: 49.778 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion:	41	Resp:	34105
Ion	Ratio	Lower	Upper
41	100		
39	56.7	46.2	69.4
67	73.5	57.7	86.5
52	32.0	24.7	37.1

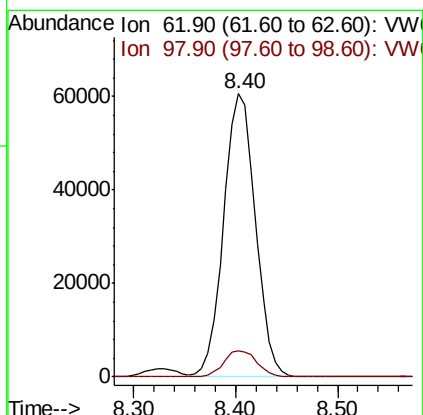
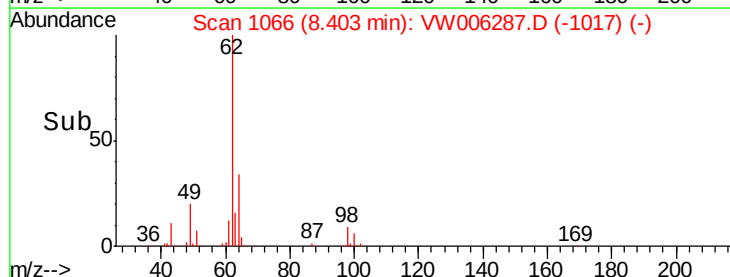
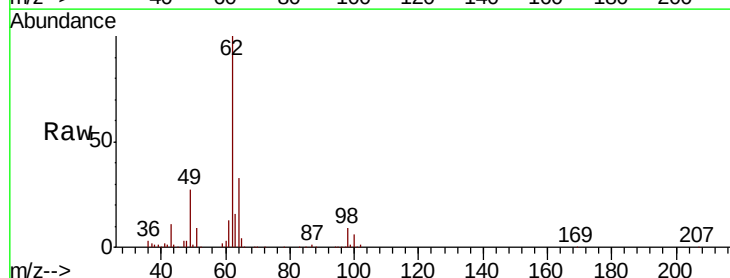
Manual Integrations
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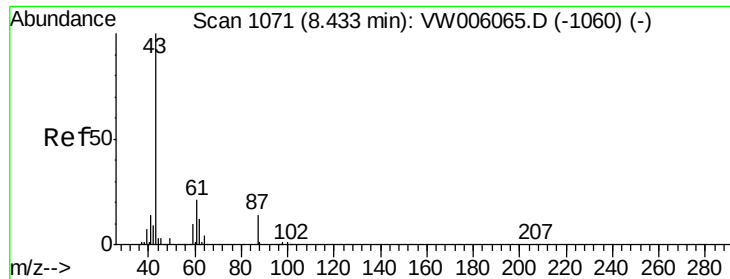
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#42
1,2-Dichloroethane
Concen: 53.120 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion:	62	Resp:	130956
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





#43

Isopropyl Acetate

Concen: 47.544 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

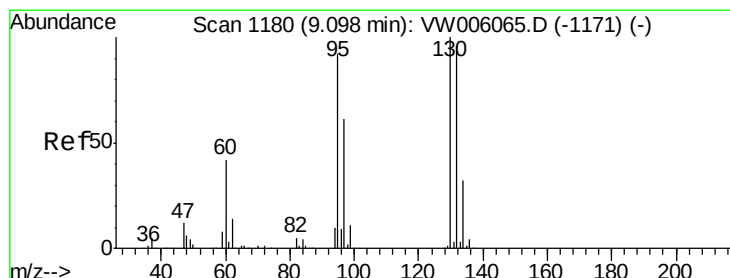
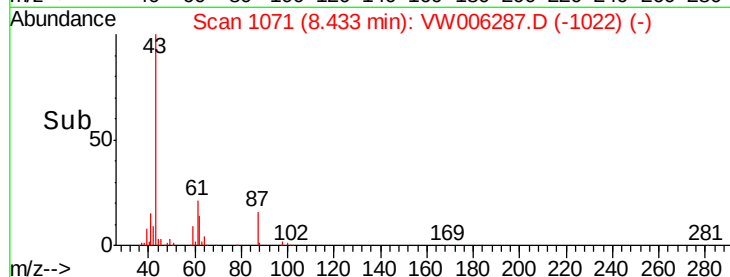
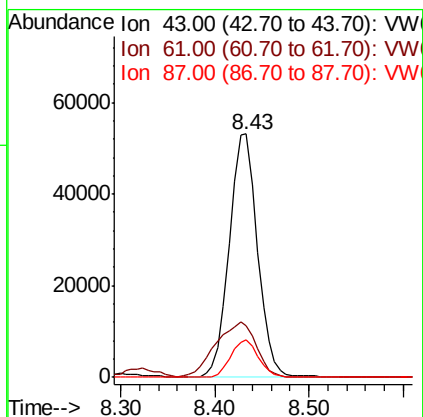
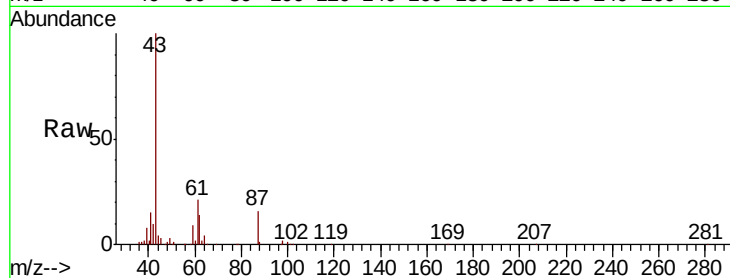
ClientSampleId :

PA-SED-01MSD

Tot Ion:	43	Resp:	110484
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.5	38.3
87	15.1	11.7	17.5

Manual Integrations
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sam
10/24/2018 5:33:50 PM



#44

Trichloroethene

Concen: 51.910 ug/l

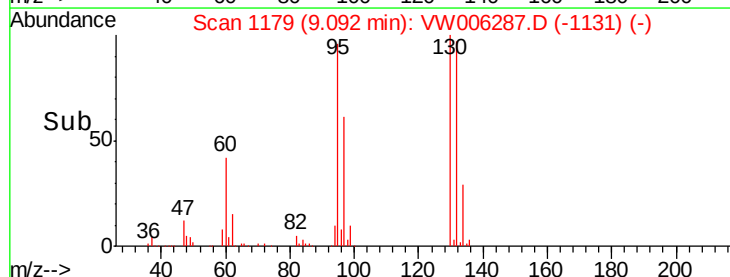
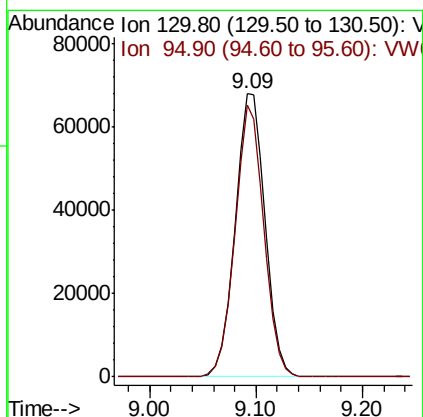
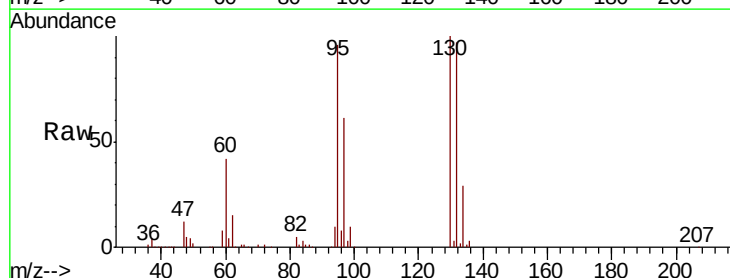
RT: 9.09 min Scan# 1179

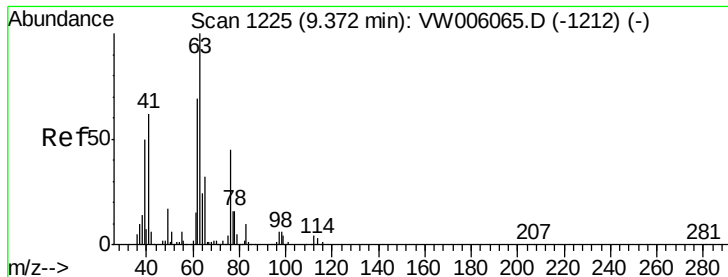
Delta R.T. -0.01 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Tgt Ion:	130	Resp:	133635
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	183.2





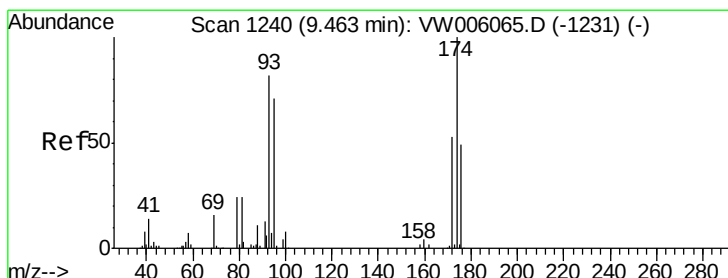
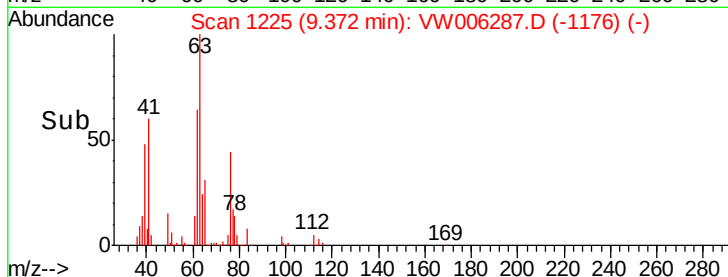
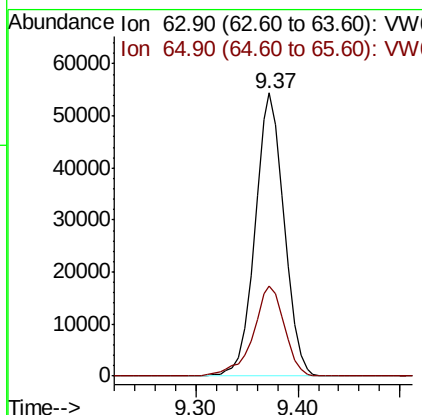
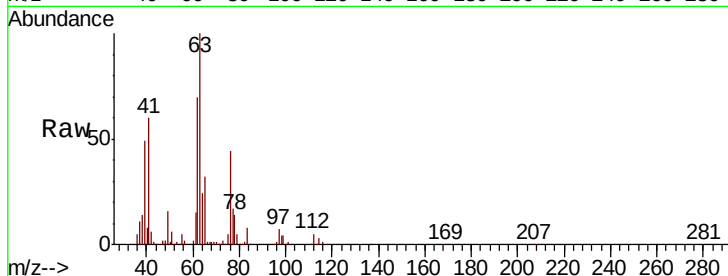
#45
 1,2-Dichloropropane
 Concen: 53.575 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.4	38.0

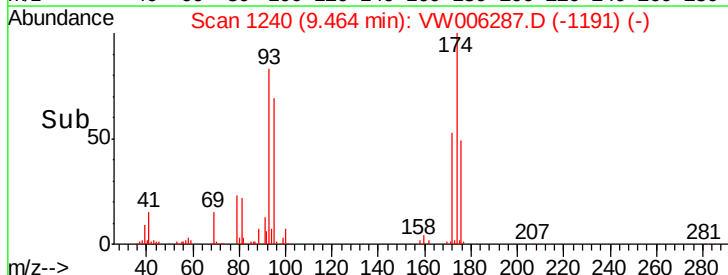
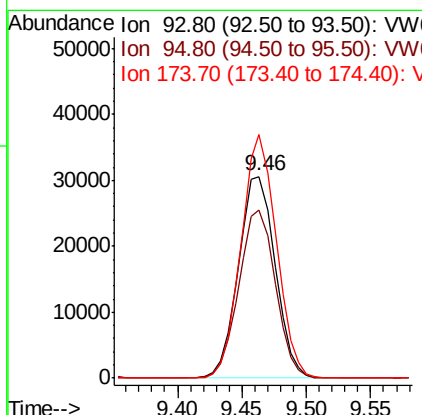
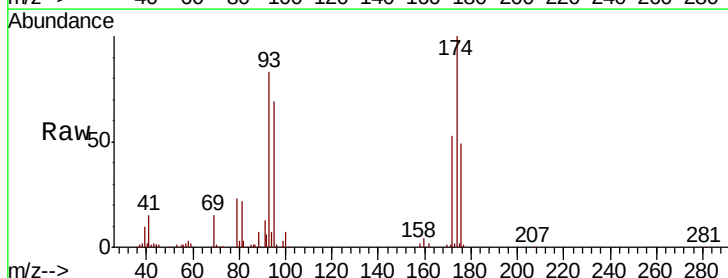
Manual Integrations
 APPROVED

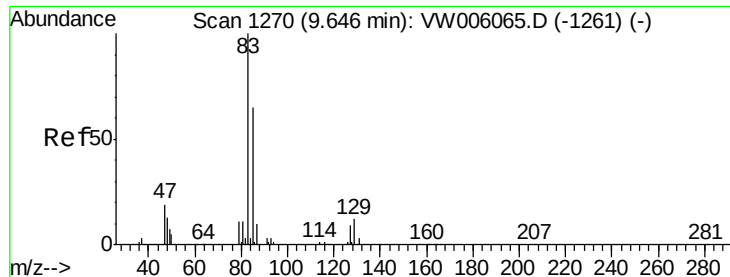
sam
 10/24/2018 5:33:50 PM



#46
 Dibromomethane
 Concen: 52.827 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.7	101.5
174	116.2	93.7	140.5





#47

Bromodichloromethane

Concen: 52.677 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

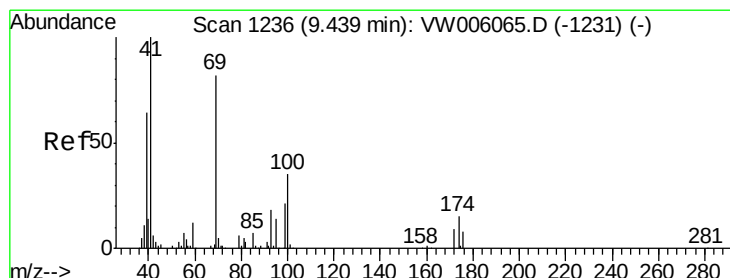
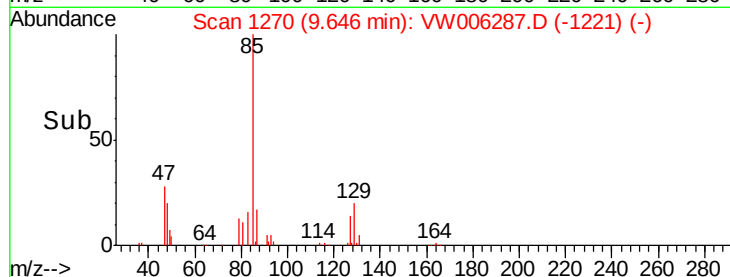
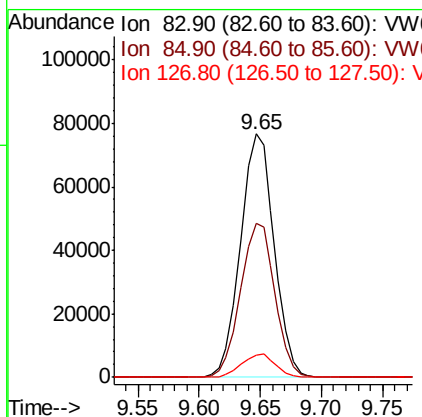
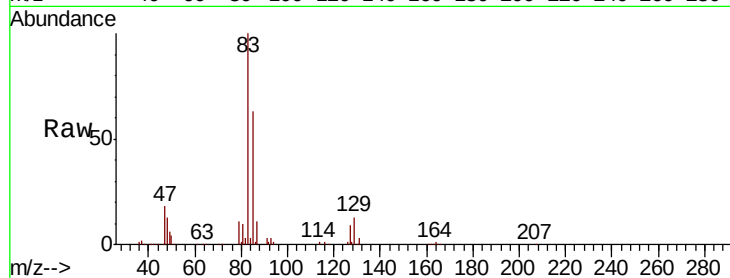
ClientSampleId :

PA-SED-01MSD

Tot Ion:	83	Resp:	146159
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.8
127	9.1	6.9	10.3

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 49.350 ug/l

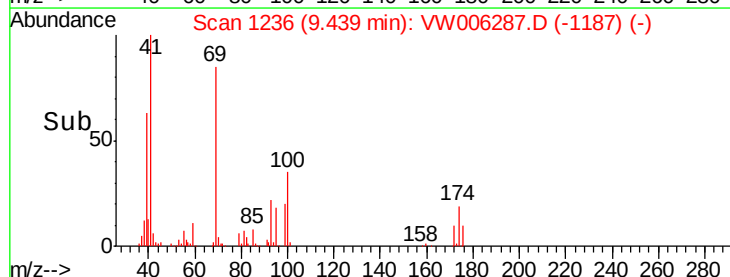
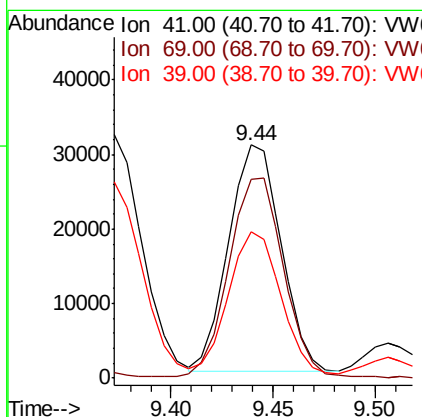
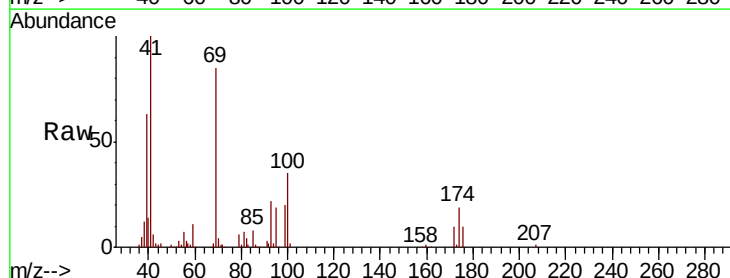
RT: 9.44 min Scan# 1236

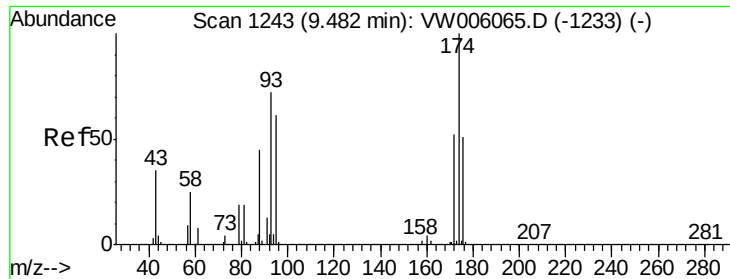
Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Tgt Ion:	41	Resp:	54360
Ion	Ratio	Lower	Upper
41	100		
69	92.8	71.8	107.8
39	66.3	52.5	78.7





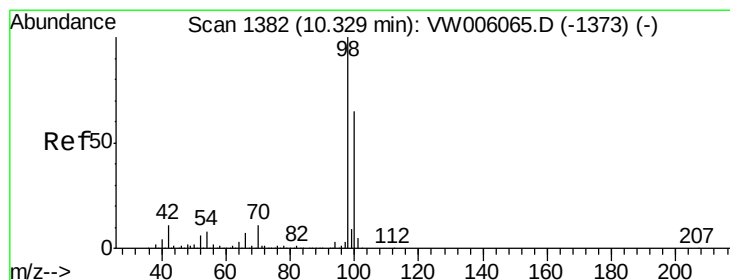
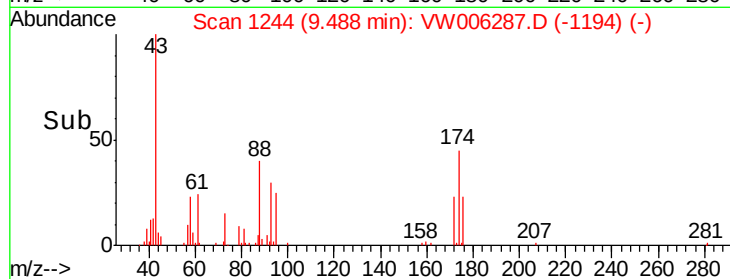
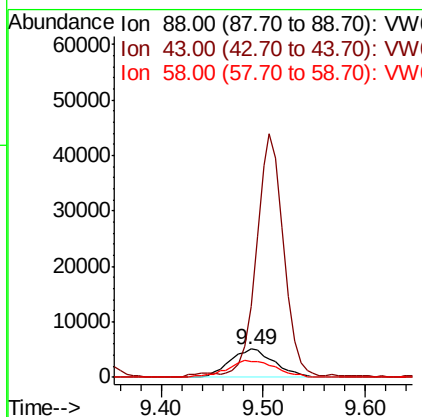
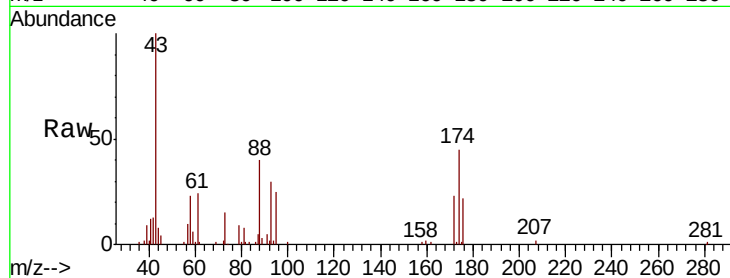
#49
1,4-Dioxane
Concen: 885.798 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	64.6	51.2	76.8

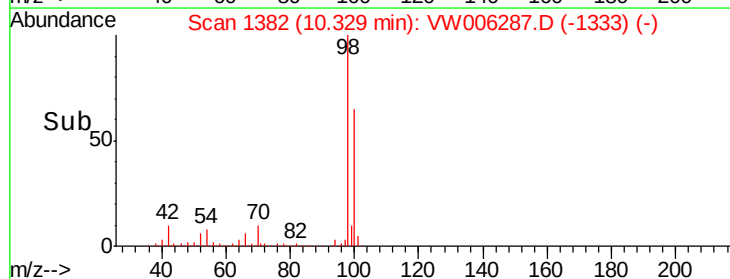
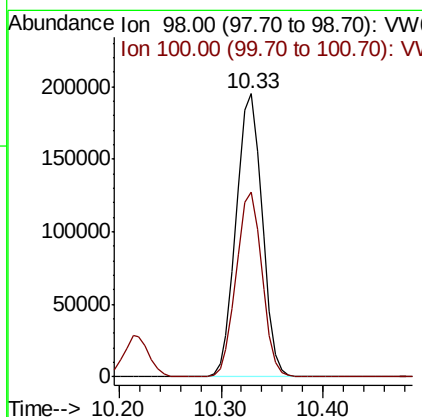
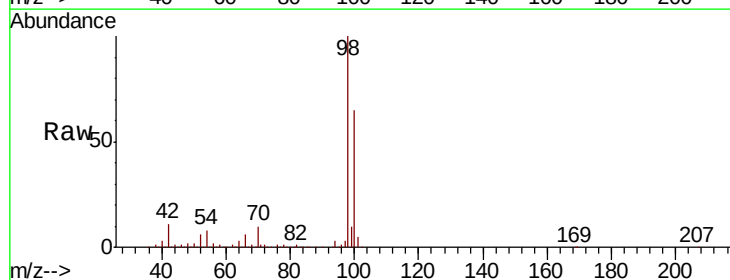
Manual Integrations
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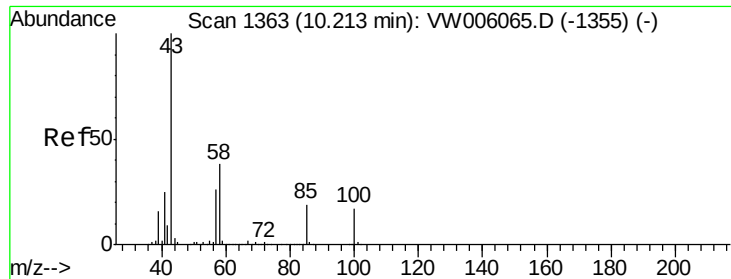
sam
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#50
Toluene-d8
Concen: 46.192 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 238.908 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MSD

Tot Ion: 43 Resp: 278165

Ion Ratio Lower Upper

43 100

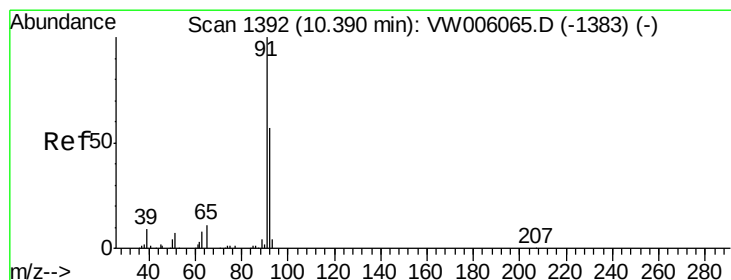
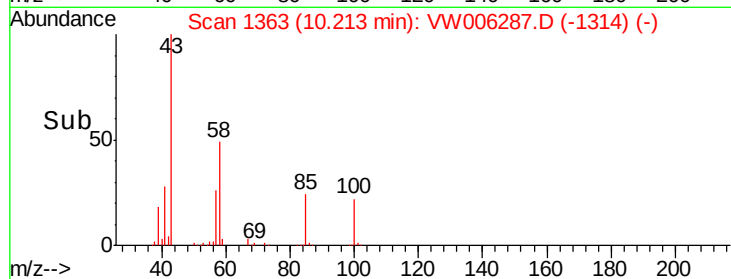
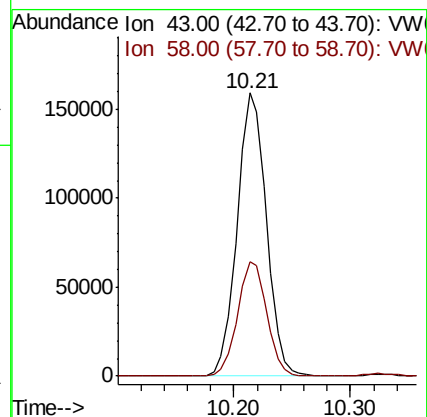
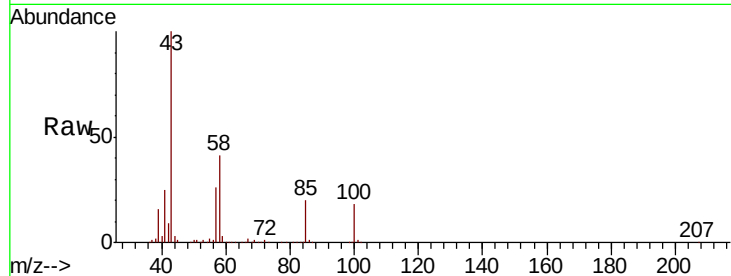
58 40.4 31.5 47.3

Manual Integrations

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sam

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#52

Toluene

Concen: 52.624 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006287.D

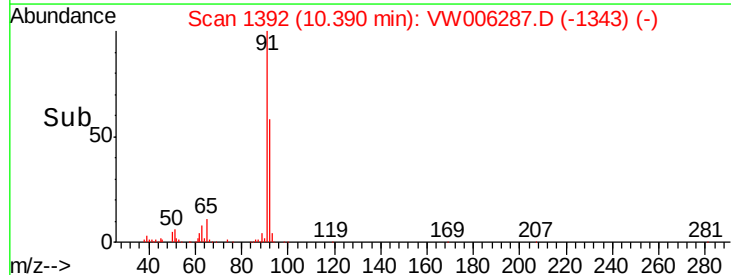
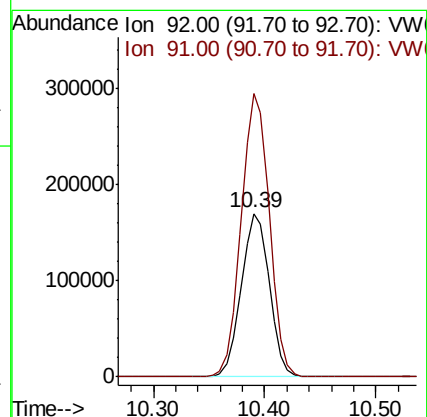
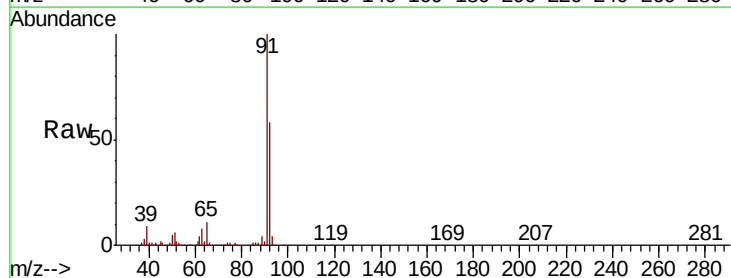
Acq: 23 Oct 2018 08:48

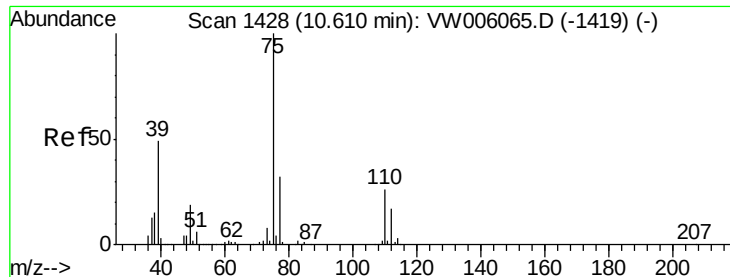
Tgt Ion: 92 Resp: 296041

Ion Ratio Lower Upper

92 100

91 173.7 140.0 210.0





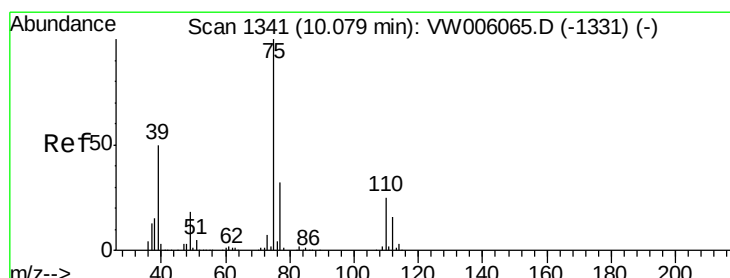
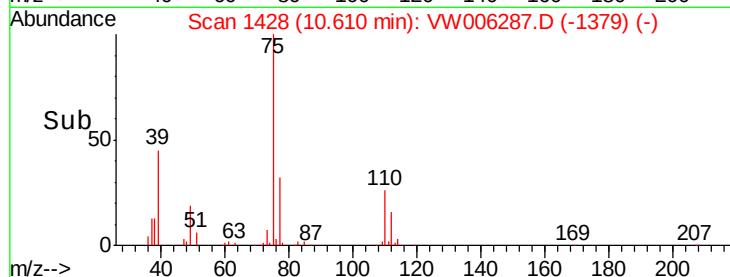
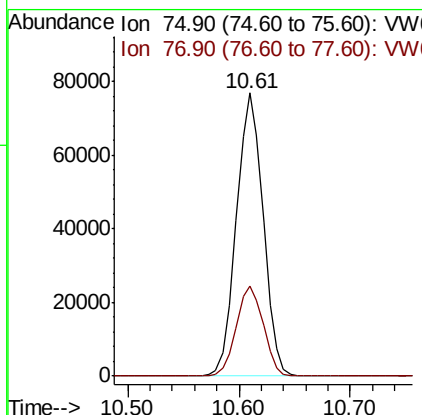
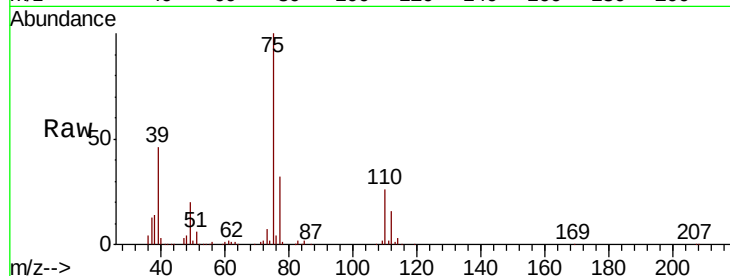
#53
t-1,3-Dichloropropene
Concen: 46.266 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion: 75 Resp: 127898
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

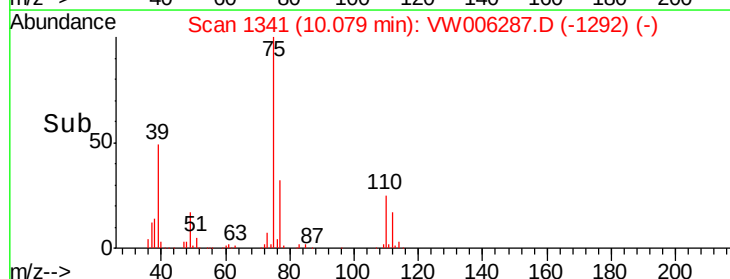
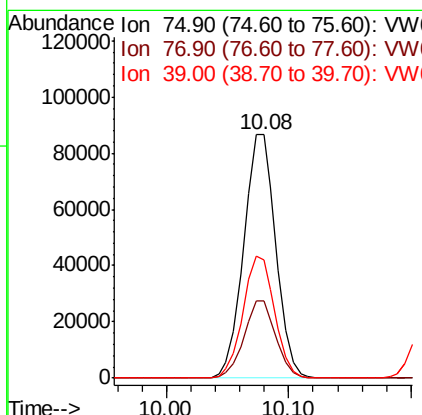
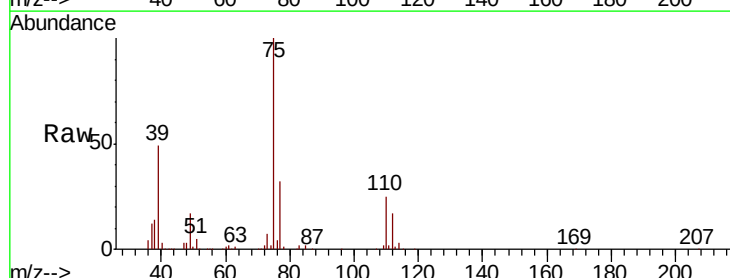
Manual Integrations
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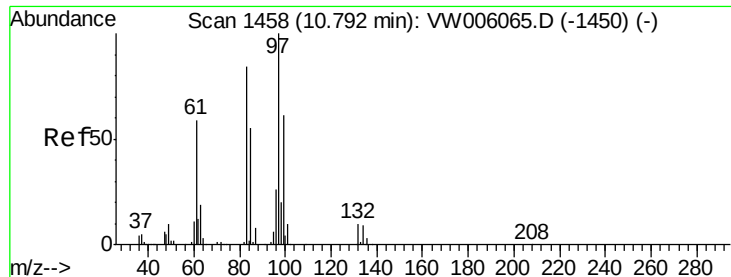
sam
10/24/2018 5:33:50 PM



#54
cis-1,3-Dichloropropene
Concen: 49.719 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion: 75 Resp: 157741
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8
39 48.8 39.9 59.9





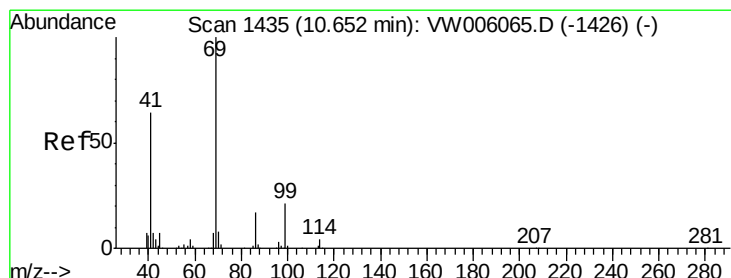
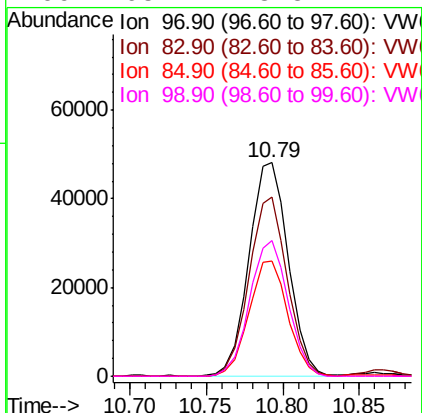
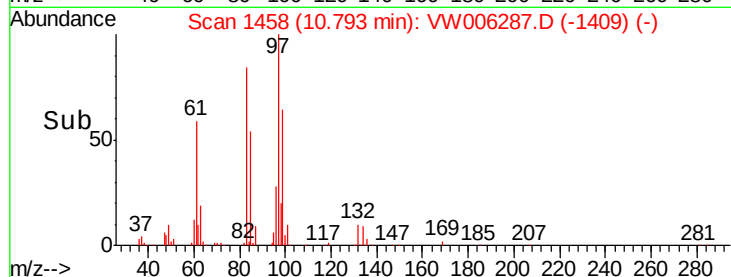
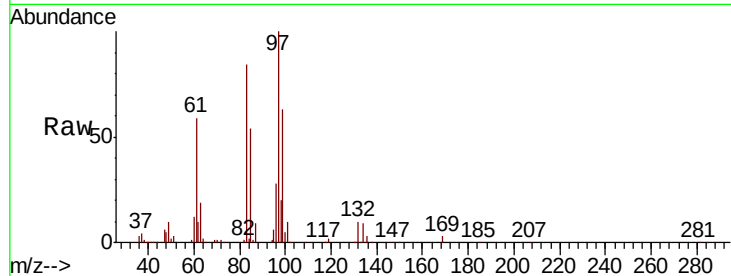
#55
 1,1,2-Trichloroethane
 Concen: 53.938 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MSD

Tot Ion	97	Resp	86381
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.2	100.8
85	53.9	43.7	65.5
99	63.4	48.5	72.7

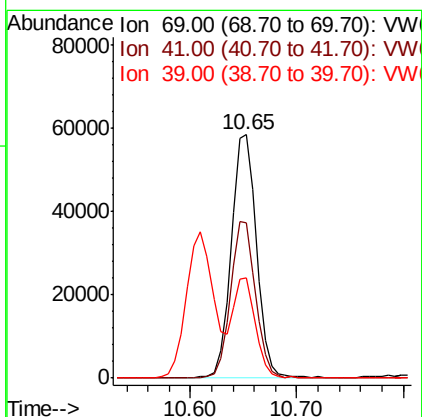
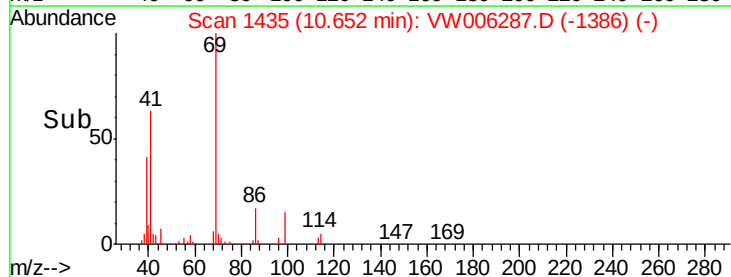
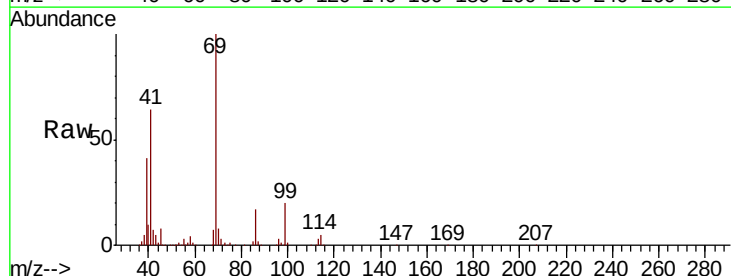
Manual Integrations
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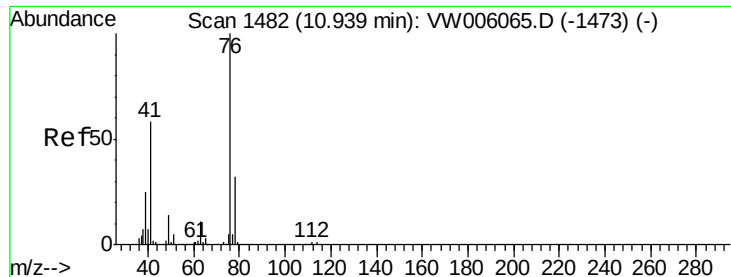
sam
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#56
 Ethyl methacrylate
 Concen: 49.222 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Tgt Ion	69	Resp	96638
Ion	Ratio	Lower	Upper
69	100		
41	63.6	52.8	79.2
39	35.3	30.6	45.8





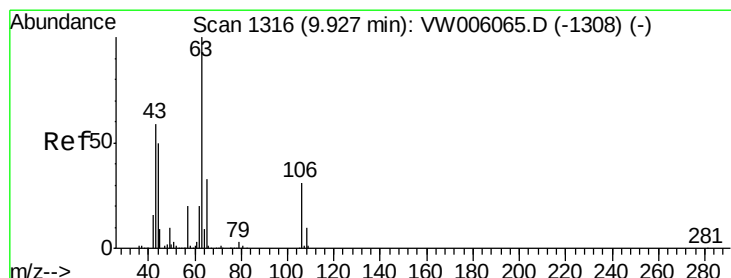
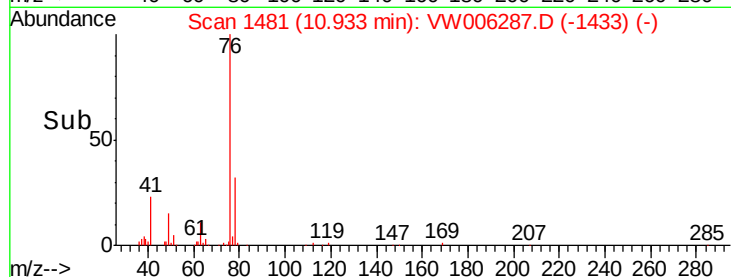
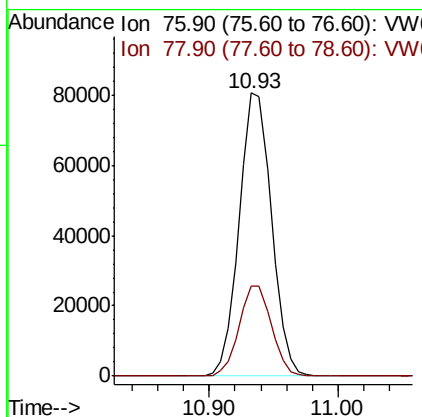
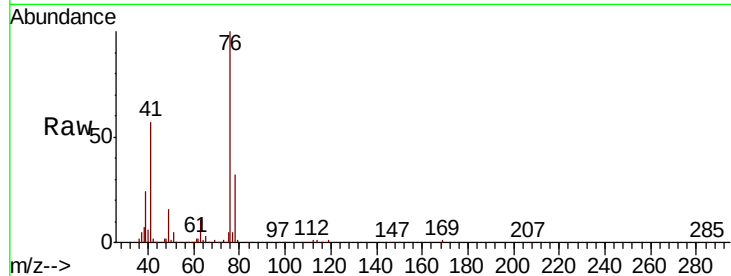
#57
 1,3-Dichloropropane
 Concen: 52.752 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

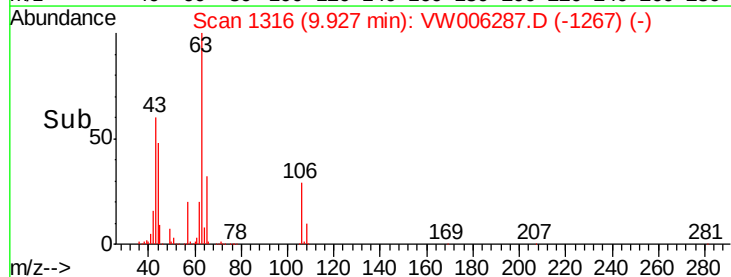
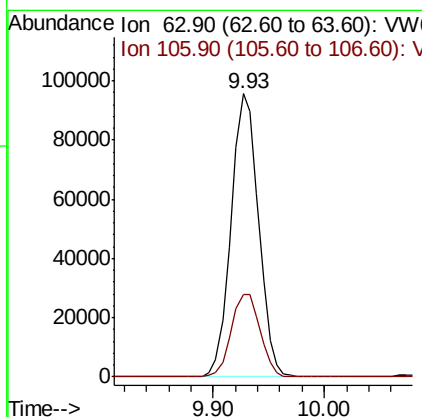
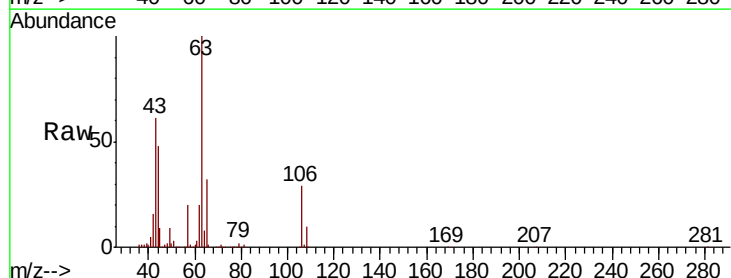
Manual Integrations
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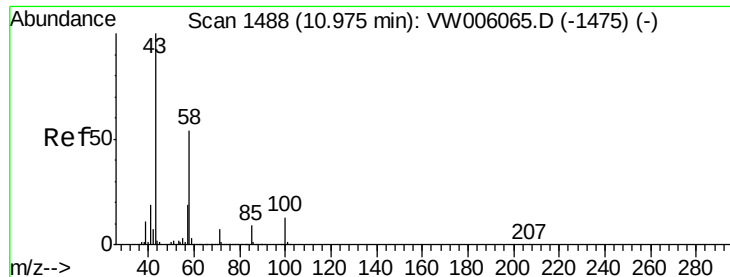
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 217.405 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	24.5	36.7





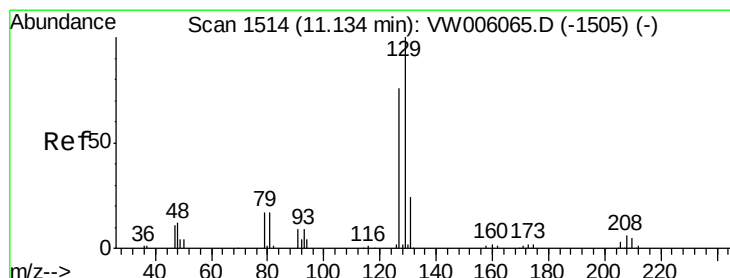
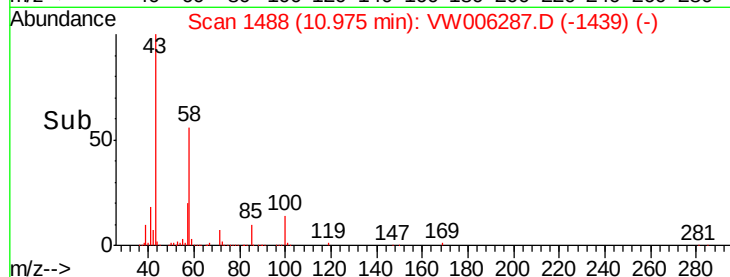
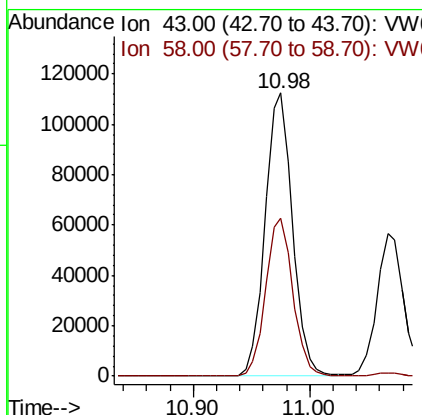
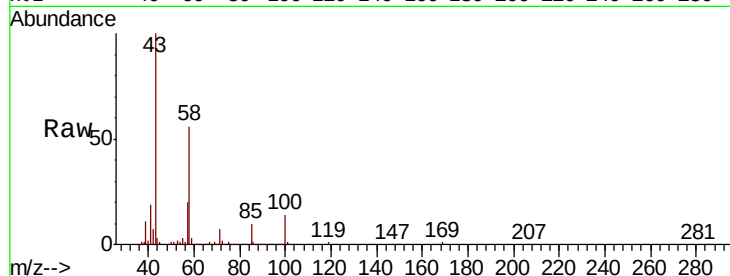
#59
2-Hexanone
Concen: 221.445 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion: 43 Resp: 184050
Ion Ratio Lower Upper
43 100
58 55.5 26.9 80.6

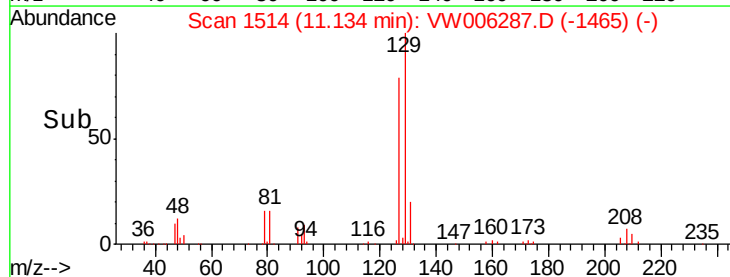
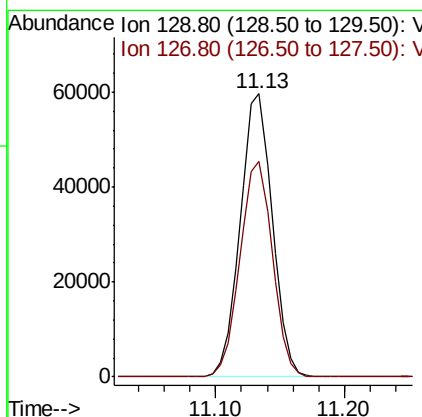
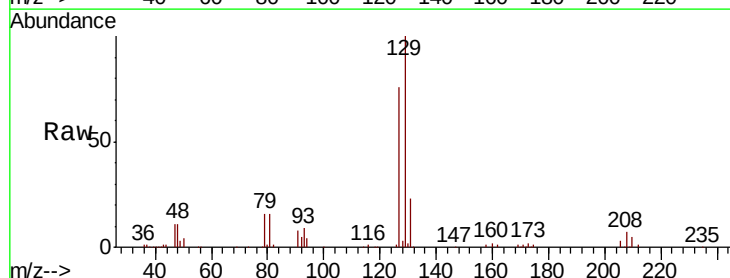
Manual Integrations
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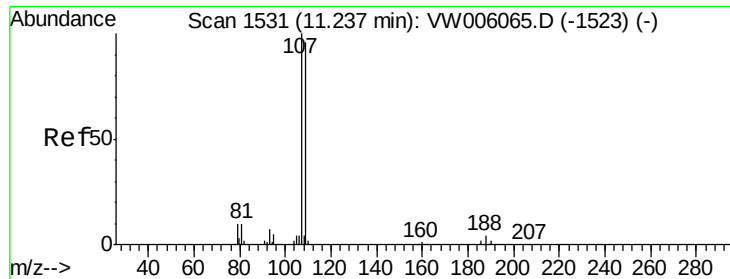
sam
10/24/2018 5:33:50 PM



#60
Dibromochloromethane
Concen: 51.545 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion: 129 Resp: 102822
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.7





#61

1,2-Dibromoethane

Concen: 51.410 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MSD

Tot Ion: 107 Resp: 82266

Ion Ratio Lower Upper

107 100

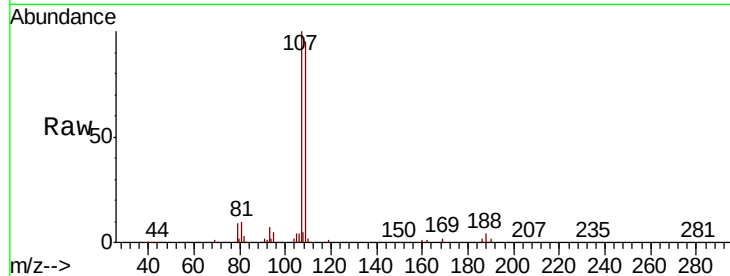
109 94.6 76.3 114.5

Manual Integrations

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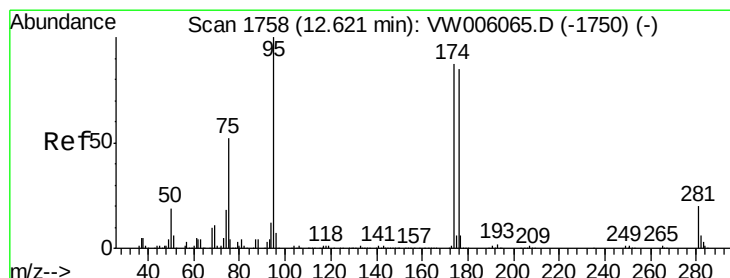
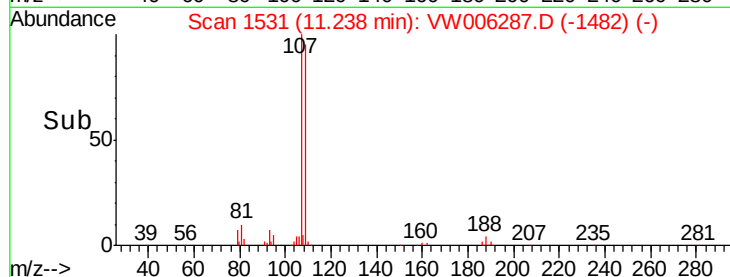
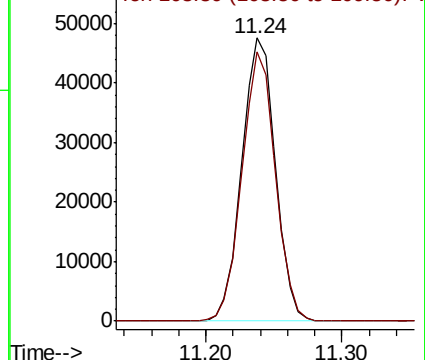
sam

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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: 45.402 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

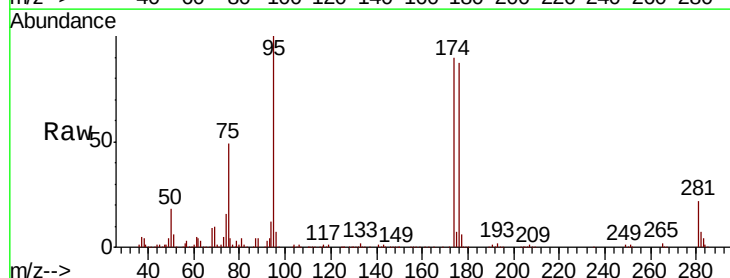
Tgt Ion: 95 Resp: 127227

Ion Ratio Lower Upper

95 100

174 94.2 0.0 186.0

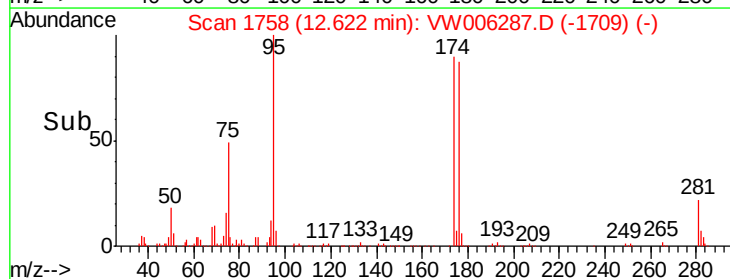
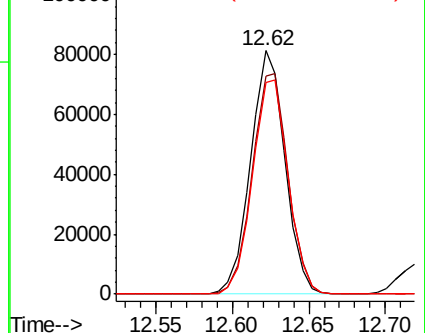
176 91.3 0.0 181.6

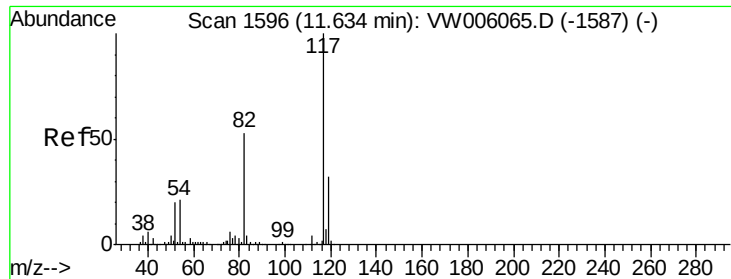


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





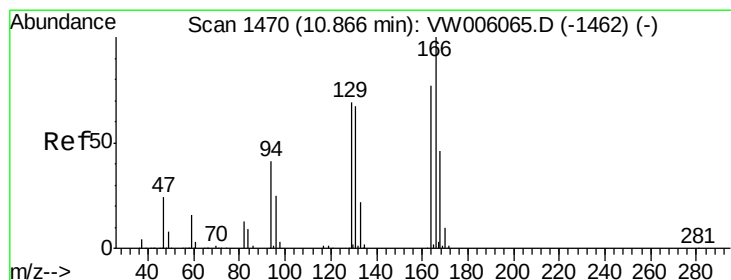
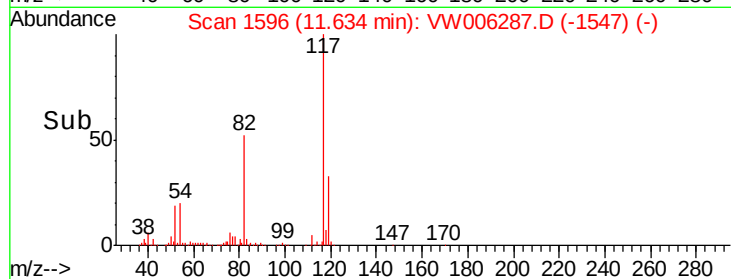
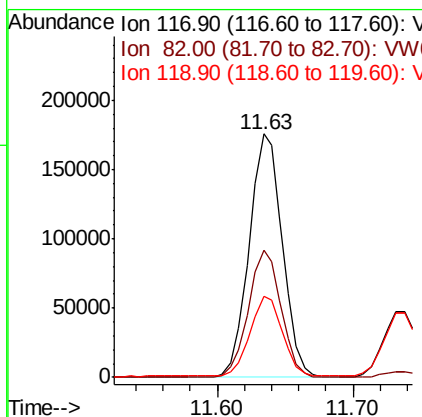
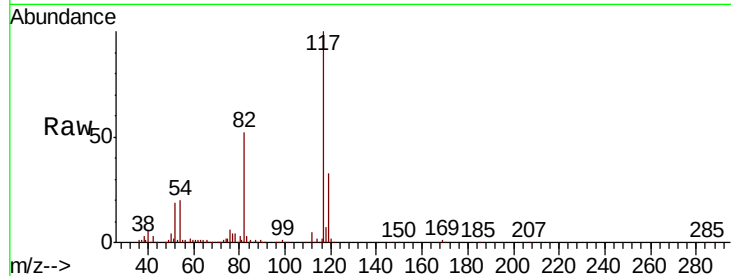
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.1	63.1
119	32.6	25.8	38.6

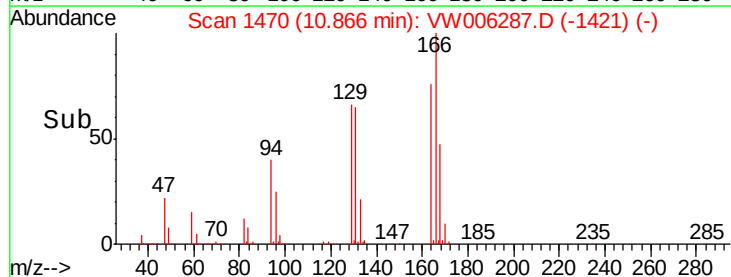
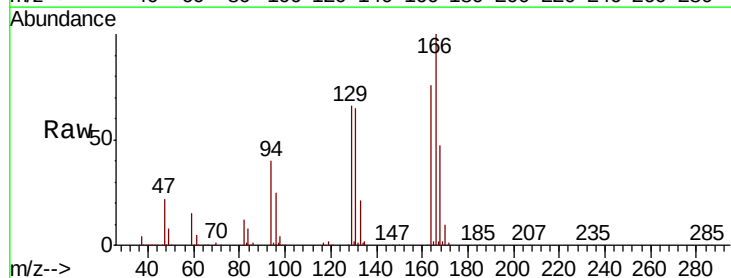
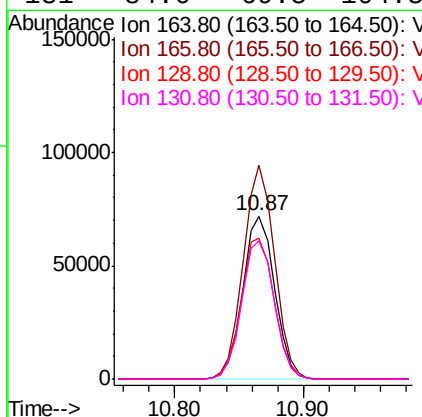
Manual Integrations
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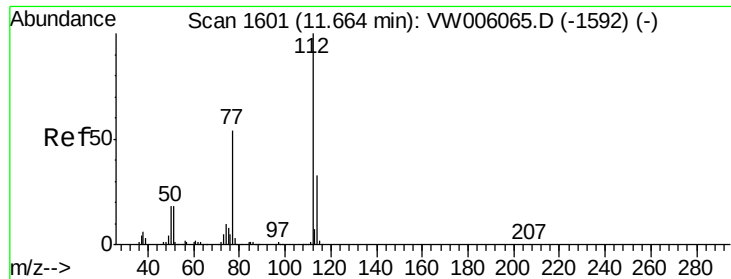
sam
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#64
Tetrachloroethene
Concen: 52.582 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	103.4	155.0
129	86.4	71.8	107.8
131	84.6	69.5	104.3





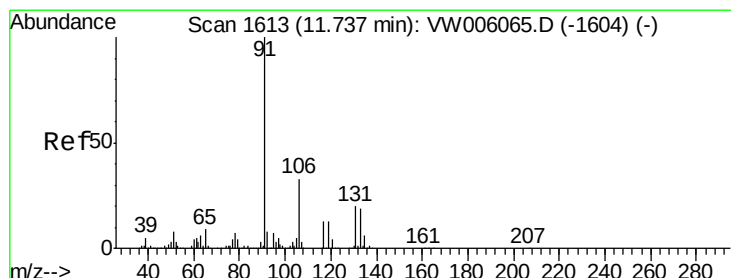
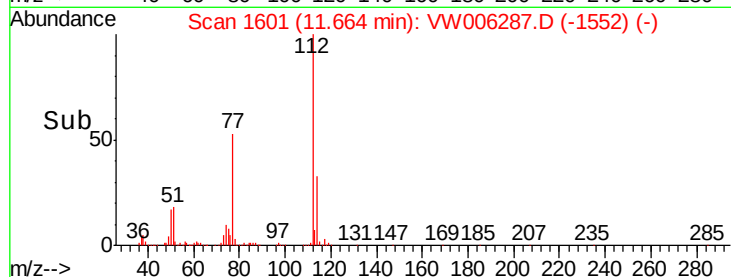
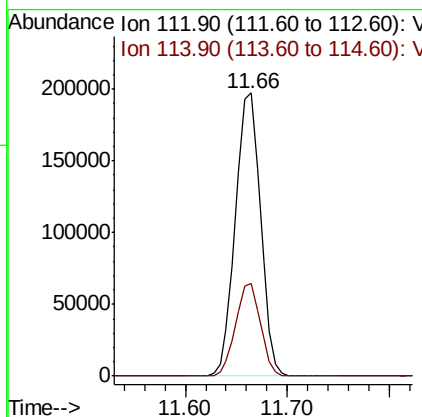
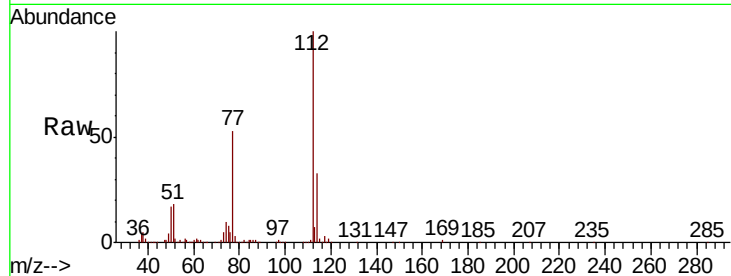
#65
Chlorobenzene
Concen: 52.393 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion:112 Resp: 336453
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.2

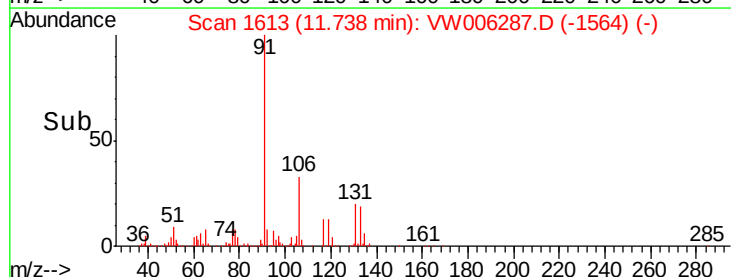
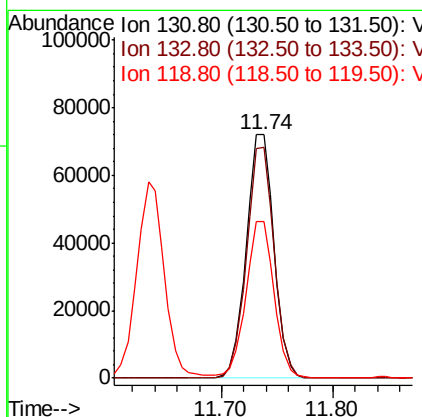
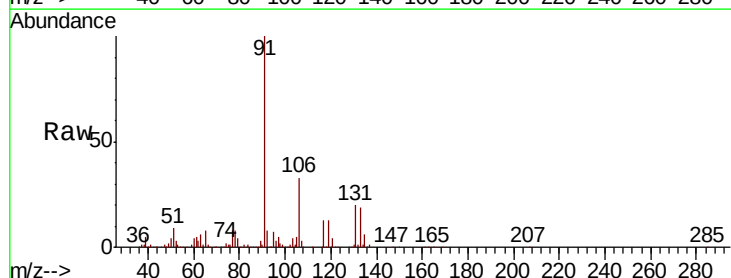
Manual Integrations
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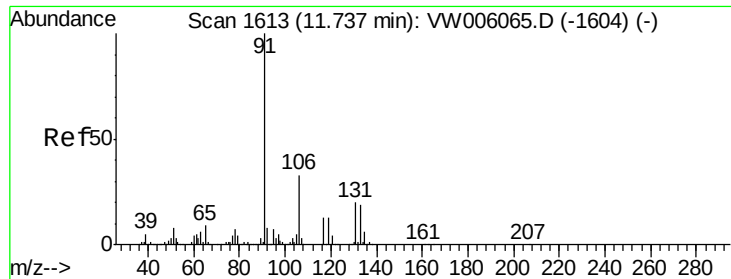
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.381 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion:131 Resp: 124105
Ion Ratio Lower Upper
131 100
133 94.6 48.1 144.3
119 65.2 31.6 94.7





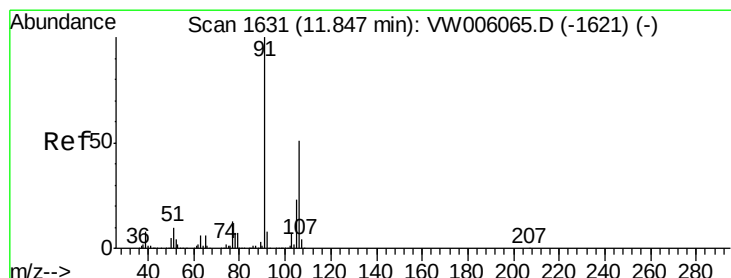
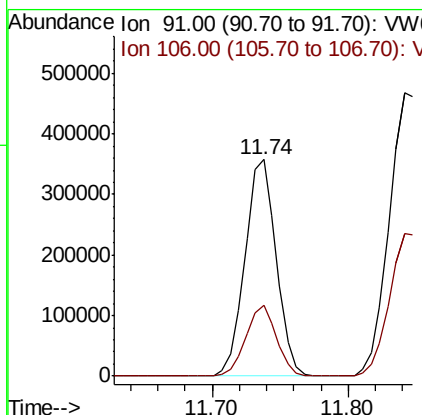
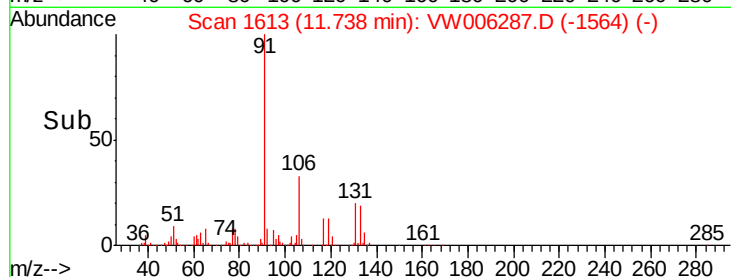
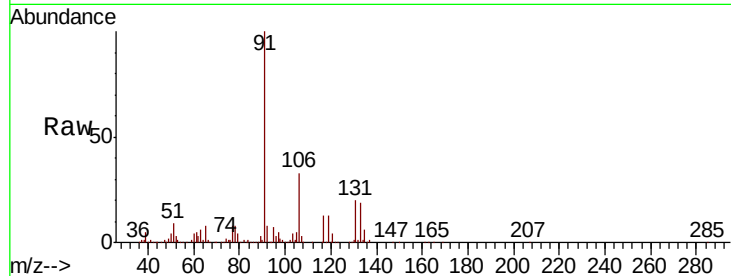
#67
Ethyl Benzene
Concen: 51.720 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion: 91 Resp: 575594
Ion Ratio Lower Upper
91 100
106 32.8 26.1 39.1

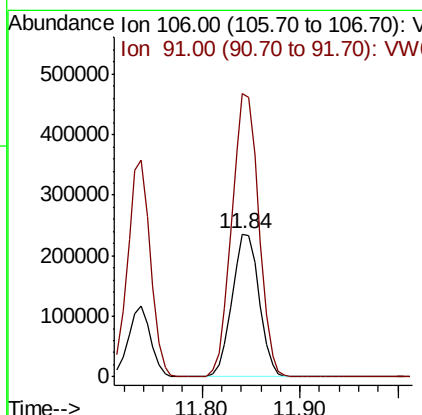
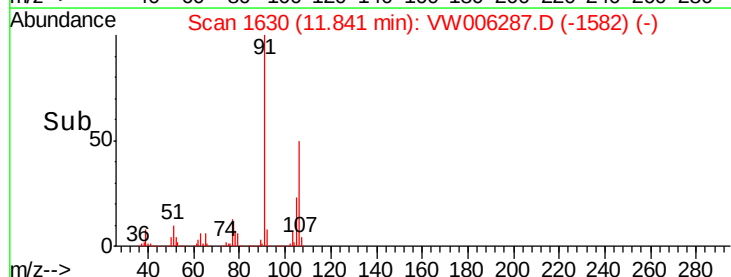
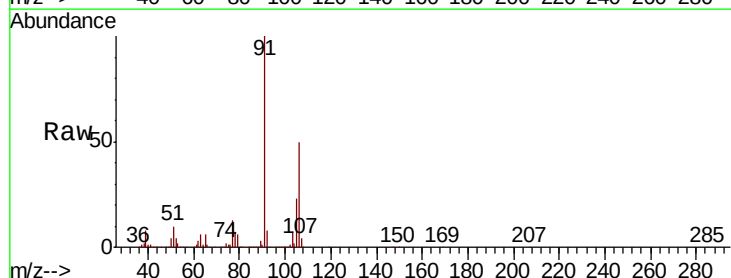
Manual Integrations
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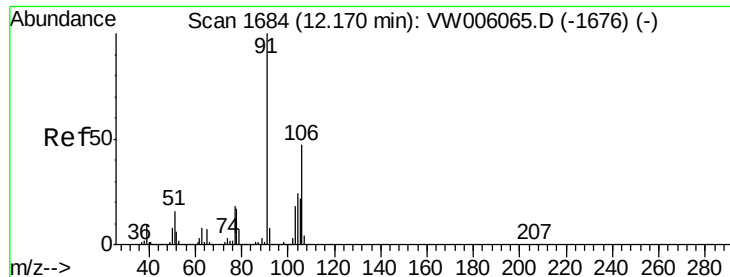
sam
10/24/2018 5:33:50 PM



#68
m/p-Xylenes
Concen: 102.890 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion: 106 Resp: 452589
Ion Ratio Lower Upper
106 100
91 197.6 159.1 238.7





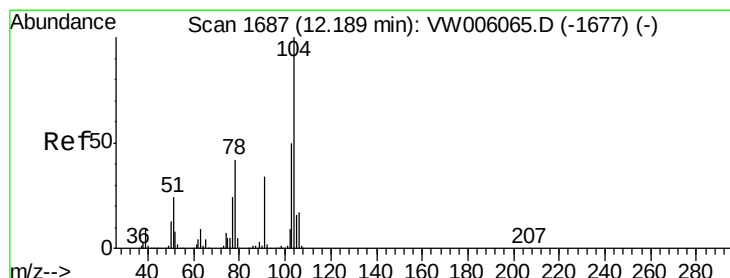
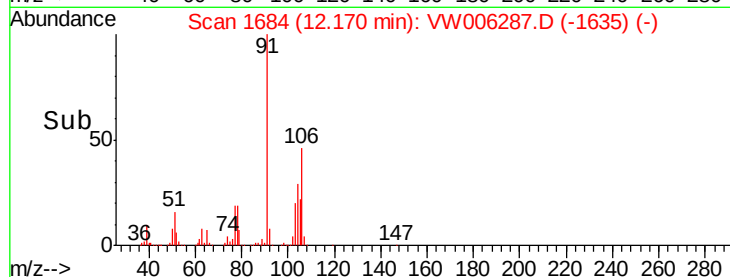
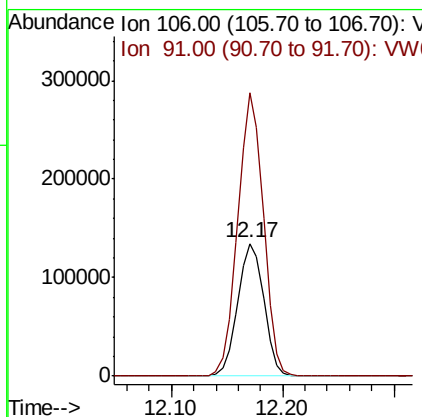
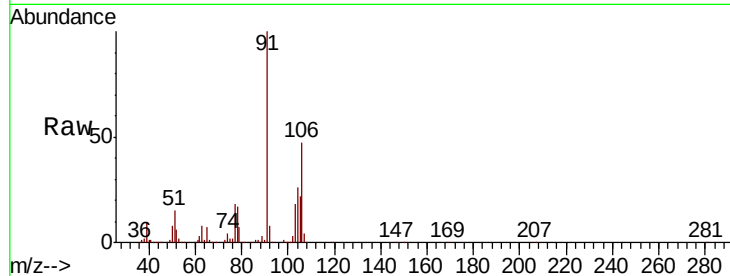
#69
o-Xylene
Concen: 52.177 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.3	105.4	316.1

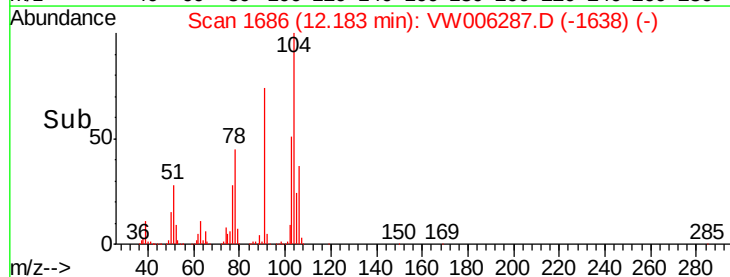
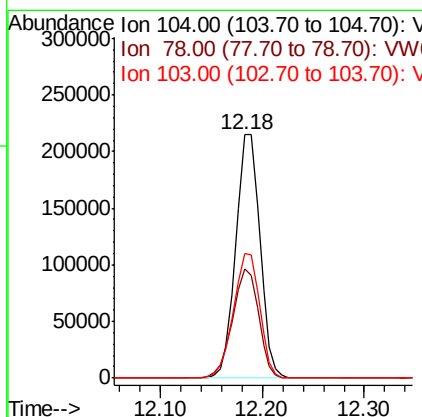
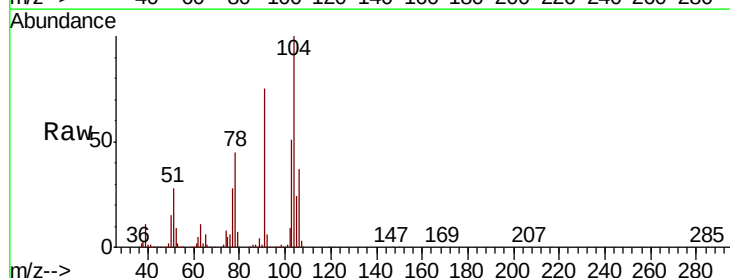
Manual Integrations
APPROVED

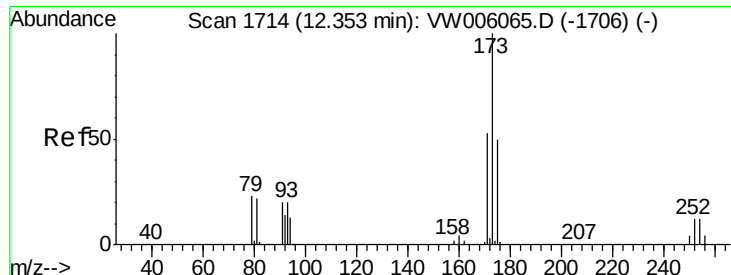
sam
10/24/2018 5:33:50 PM



#70
Styrene
Concen: 51.600 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.1	58.7
103	55.5	44.3	66.5





#71

Bromoform

Concen: 47.954 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MSD

Tot Ion:173 Resp: 61041

Ion Ratio Lower Upper

173 100

175 49.7 24.2 72.6

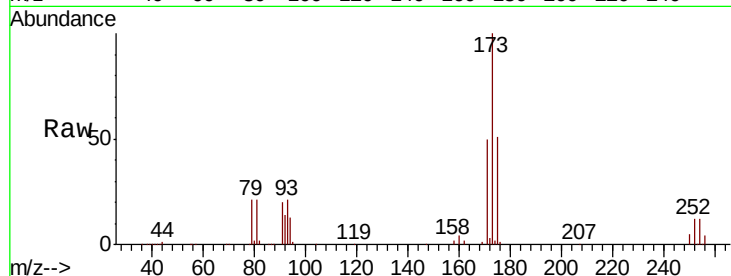
254 0.1 0.1 0.1#

Manual Integrations

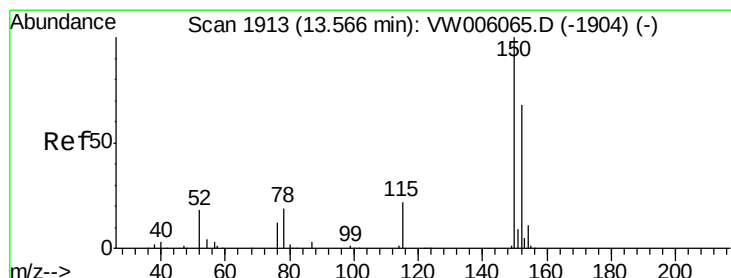
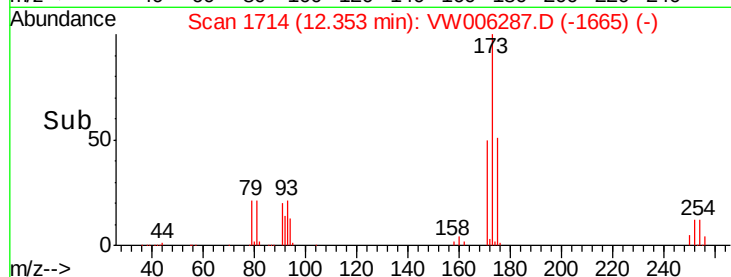
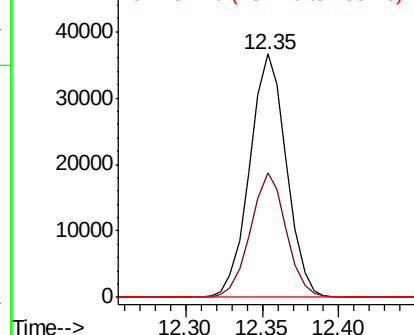
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

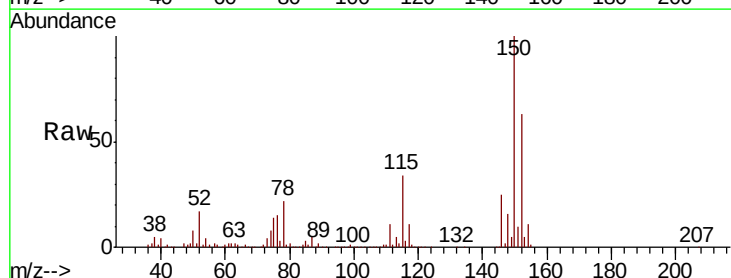
Tgt Ion:152 Resp: 153667

Ion Ratio Lower Upper

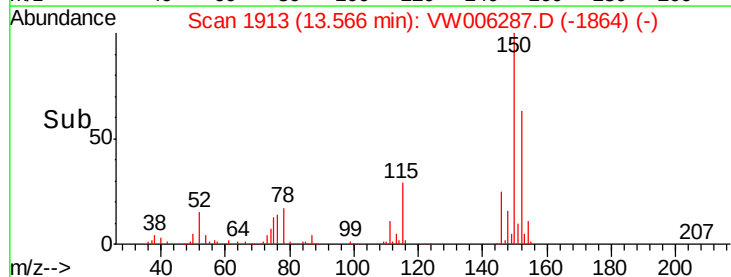
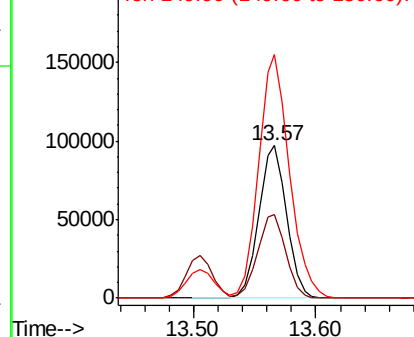
152 100

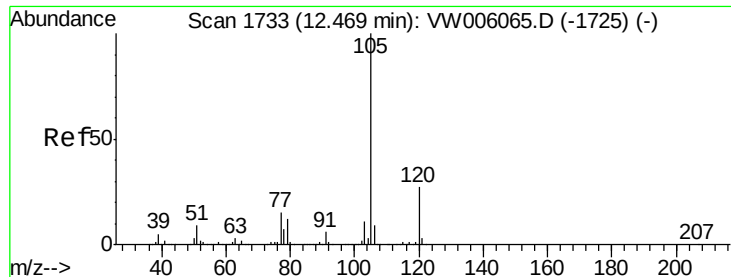
115 55.8 27.8 83.3

150 176.3 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: 54.454 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MSD

Tot Ion:105 Resp: 591158

Ion Ratio Lower Upper

105 100

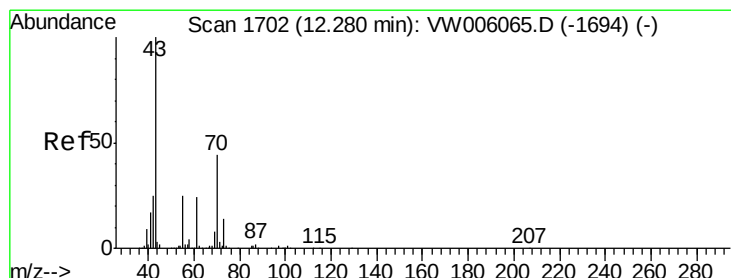
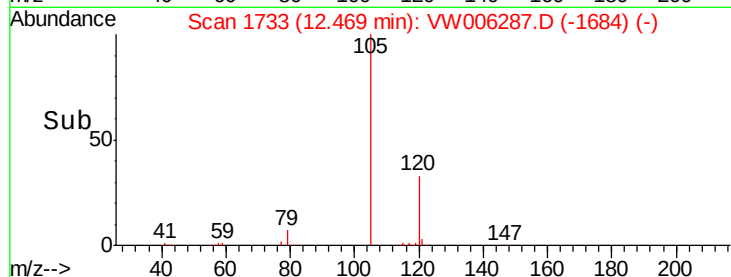
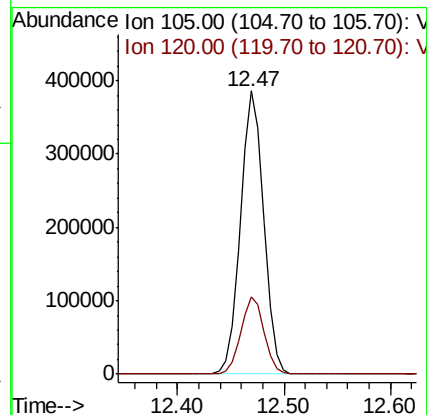
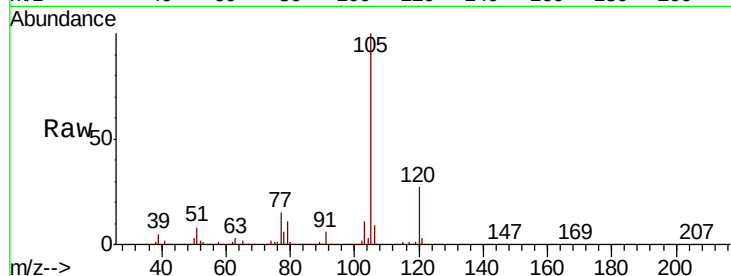
120 27.3 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.210 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Tgt Ion: 43 Resp: 97437

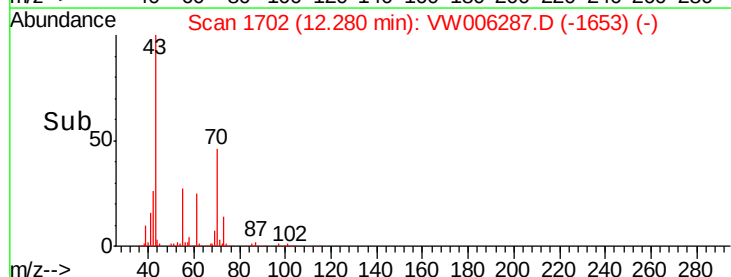
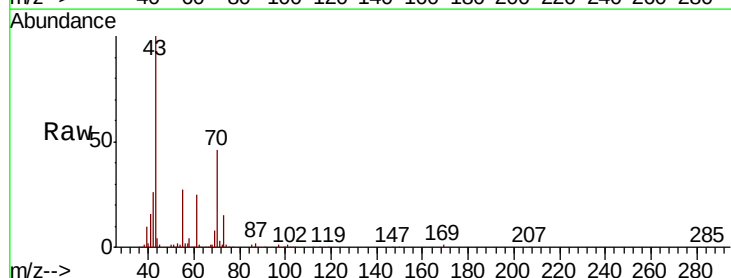
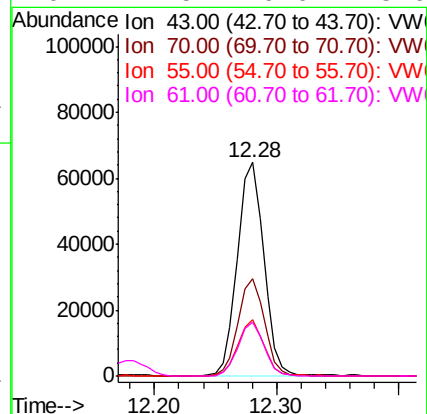
Ion Ratio Lower Upper

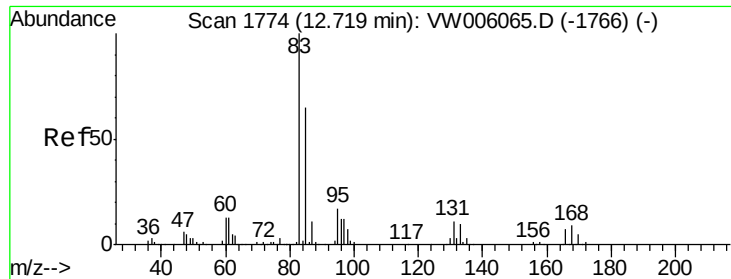
43 100

70 45.4 34.2 51.4

55 26.1 19.2 28.8

61 24.5 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 58.022 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

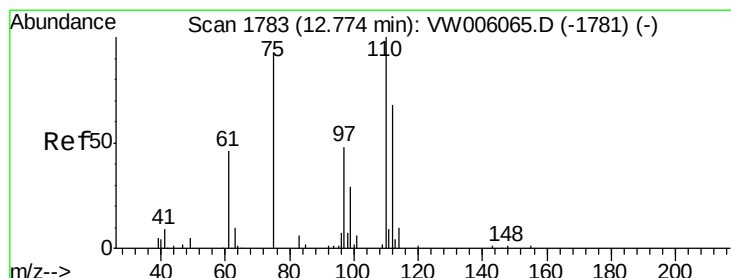
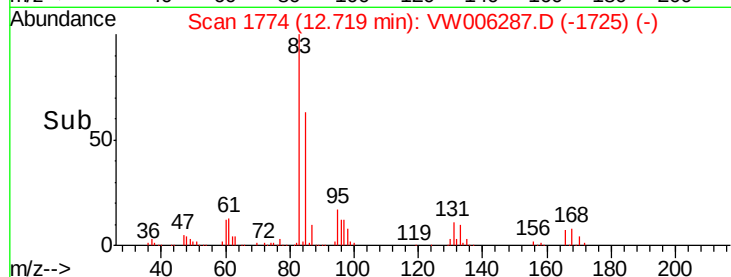
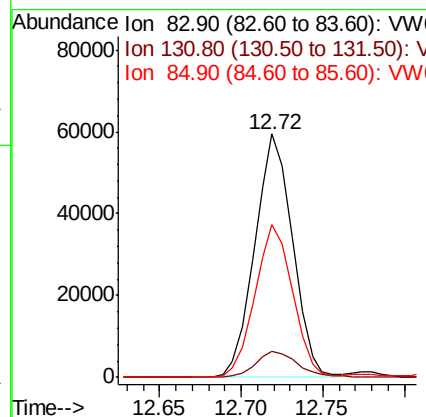
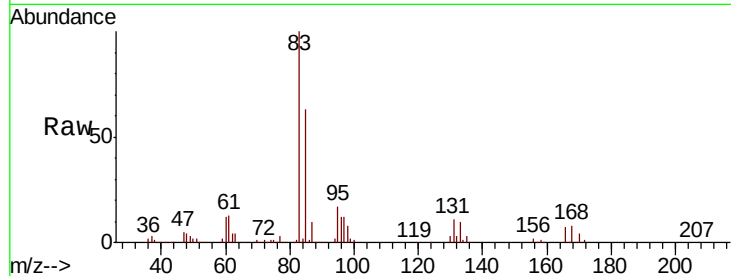
ClientSampleId :

PA-SED-01MSD

Tot Ion:	83	Resp:	95804
Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.9	17.7
85	62.6	31.9	95.9

Manual Integrations
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sam
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#76

1,2,3-Trichloropropane

Concen: 61.137 ug/l m

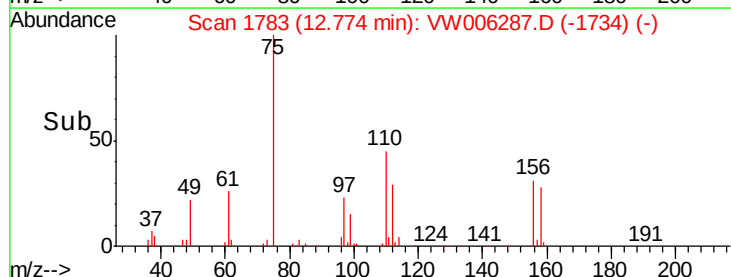
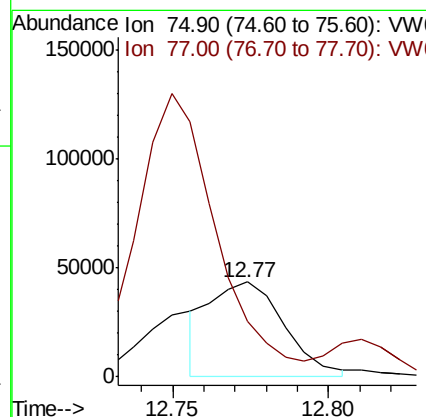
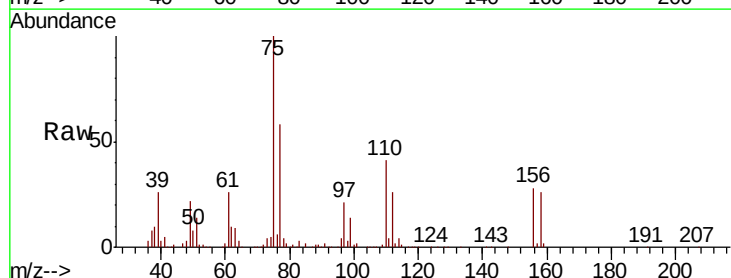
RT: 12.77 min Scan# 1783

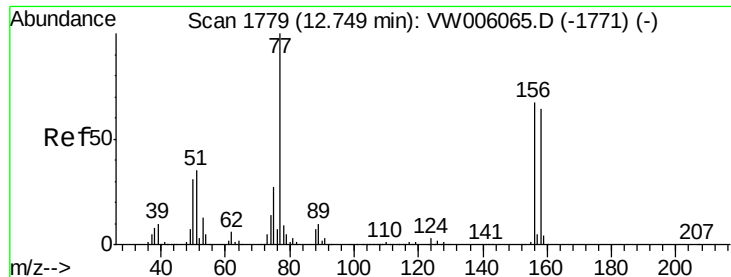
Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Tgt Ion:	75	Resp:	71757
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 56.653 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

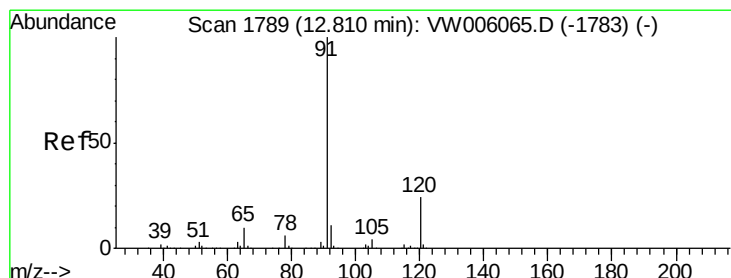
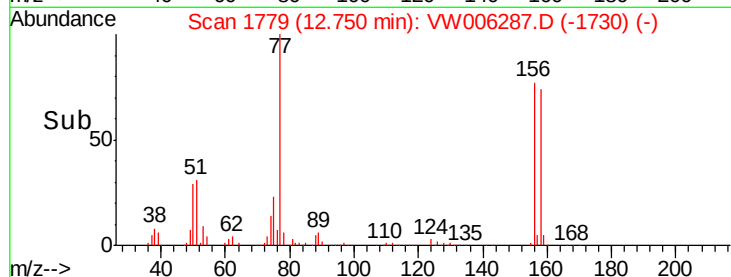
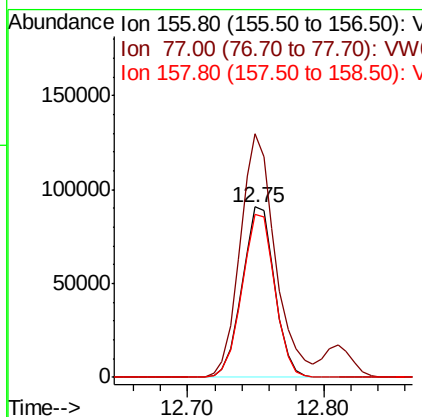
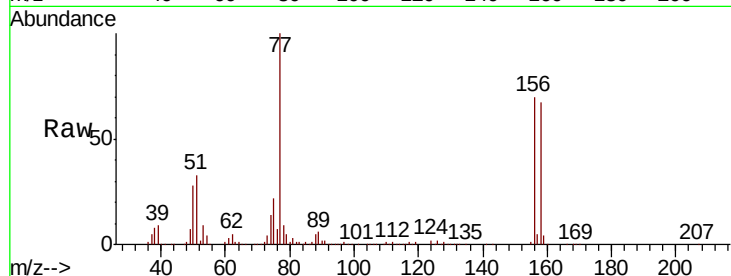
ClientSampleId :

PA-SED-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		150642		
77	154.7	79.1	237.4		
158	96.6	48.5	145.6		

Manual Integrations
APPROVED

sam
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#78

n-propylbenzene

Concen: 53.051 ug/l

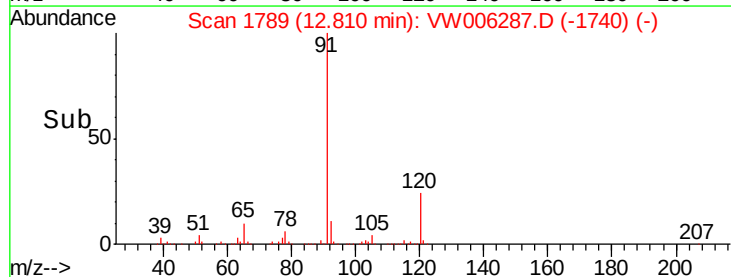
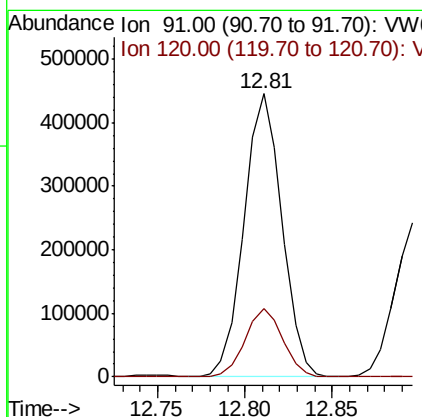
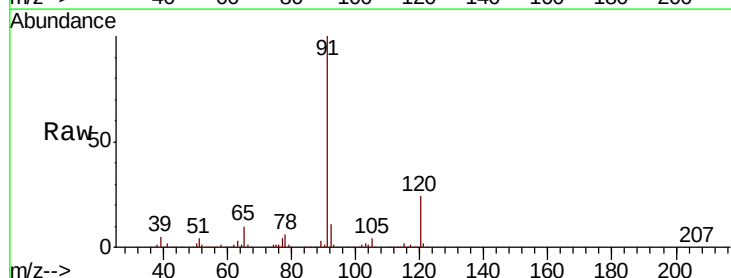
RT: 12.81 min Scan# 1789

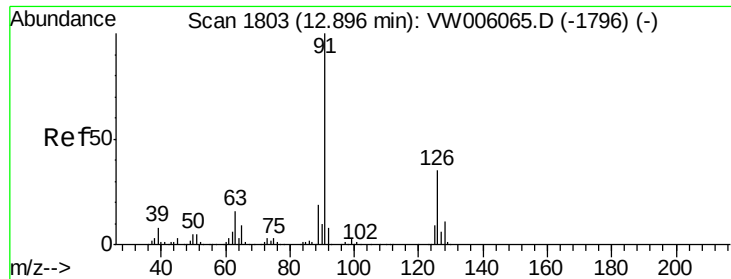
Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		670043		
120	24.2	12.2	36.6		





#79

2-Chlorotoluene

Concen: 54.831 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MSD

Tot Ion: 91 Resp: 389099

Ion Ratio Lower Upper

91 100

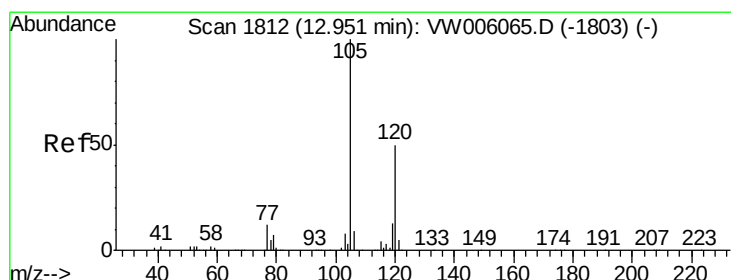
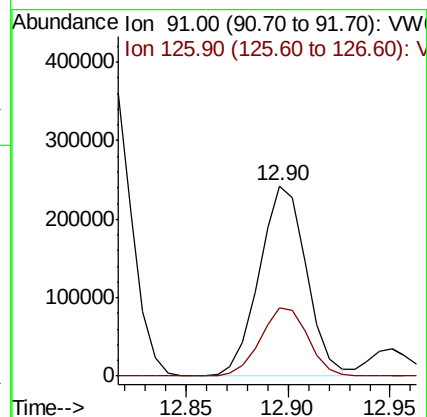
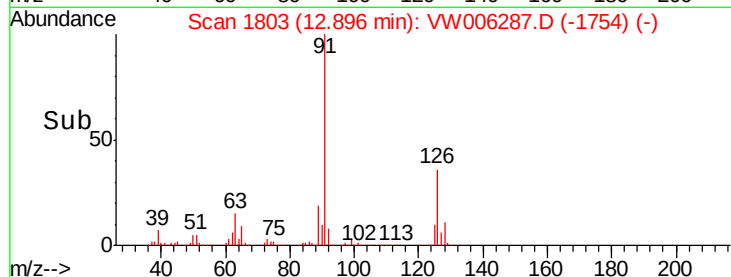
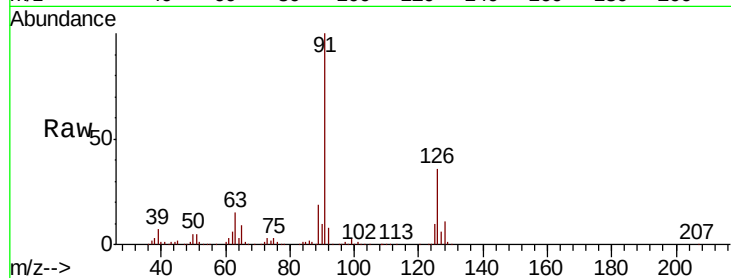
126 36.2 17.9 53.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.384 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006287.D

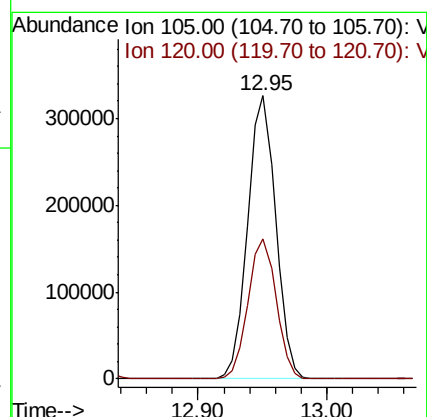
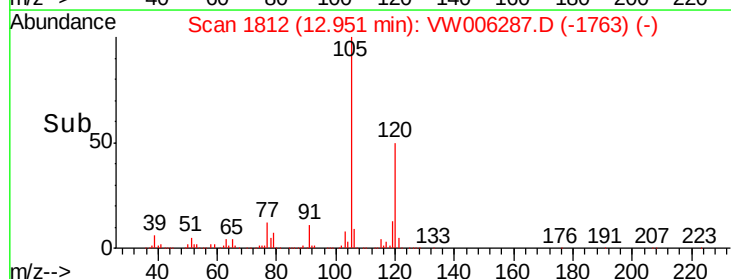
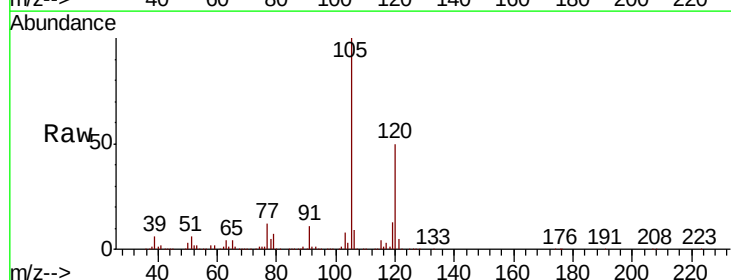
Acq: 23 Oct 2018 08:48

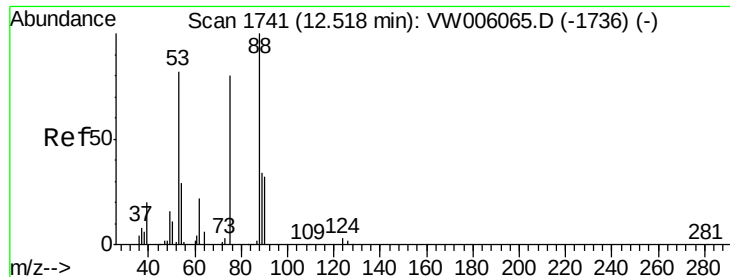
Tgt Ion: 105 Resp: 488567

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





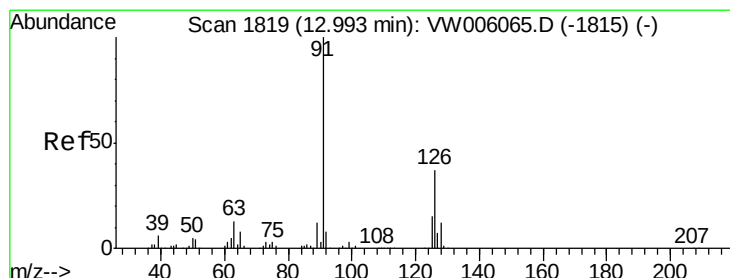
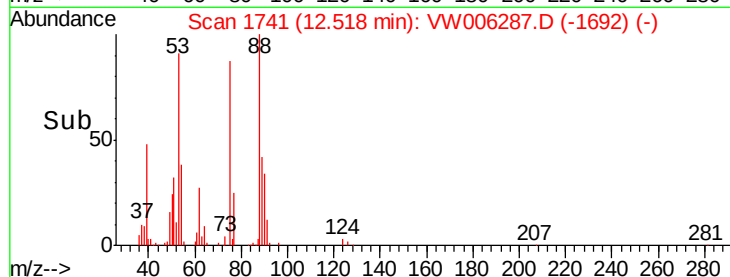
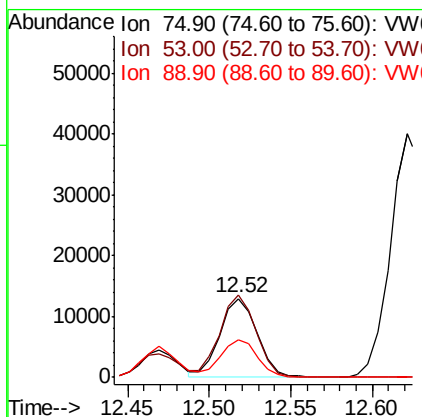
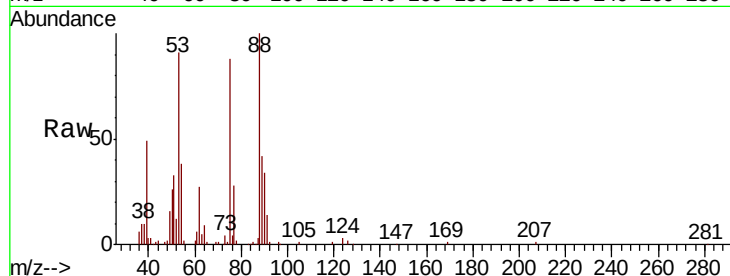
#81
trans-1,4-Dichloro-2-butene
Concen: 42.158 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.8	79.8	119.6
89	46.9	37.5	56.3

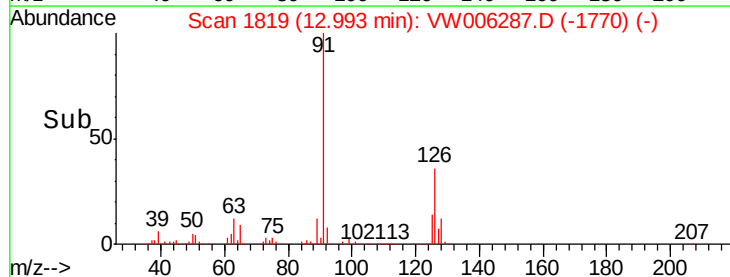
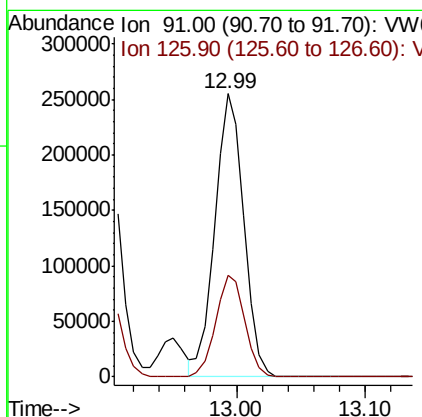
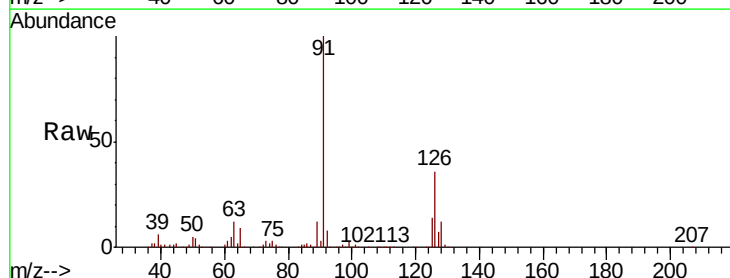
Manual Integrations
APPROVED

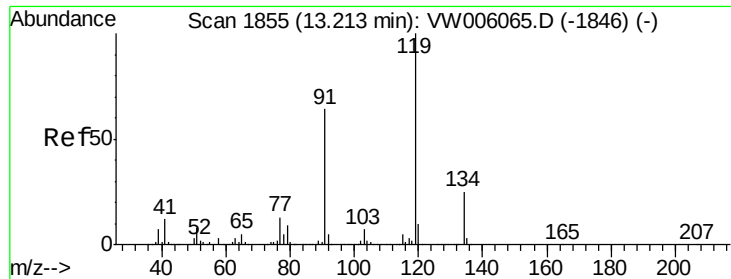
sam
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#82
4-Chlorotoluene
Concen: 54.136 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.1	54.3





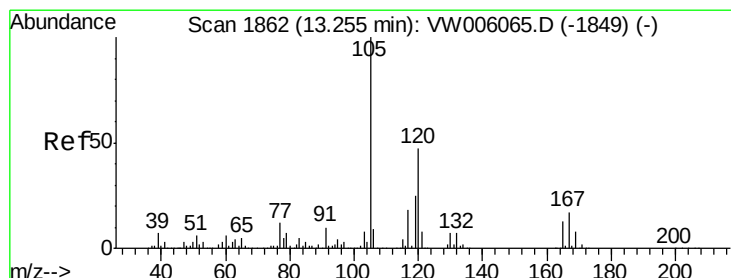
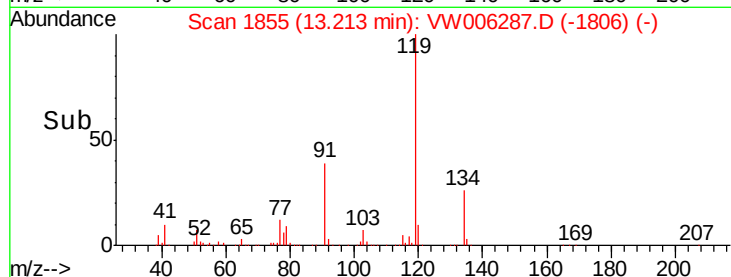
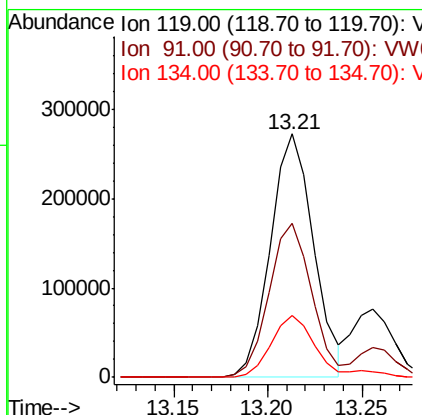
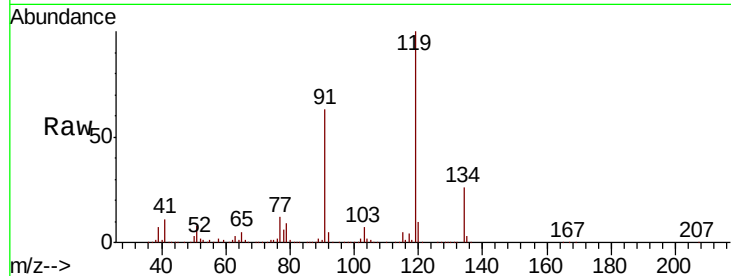
#83
tert-Butylbenzene
Concen: 52.923 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	32.3	96.9
134	25.3	13.6	40.8

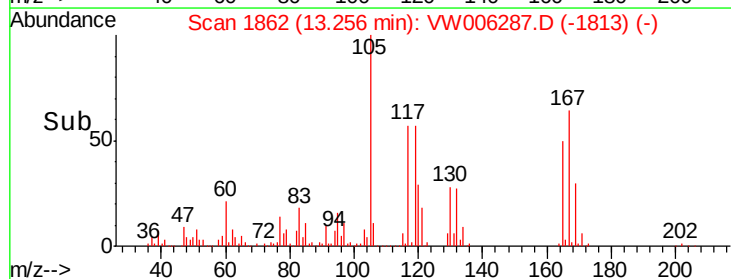
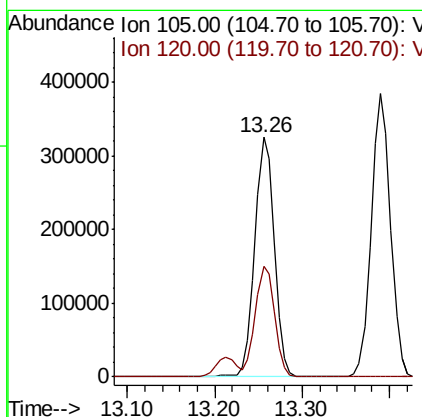
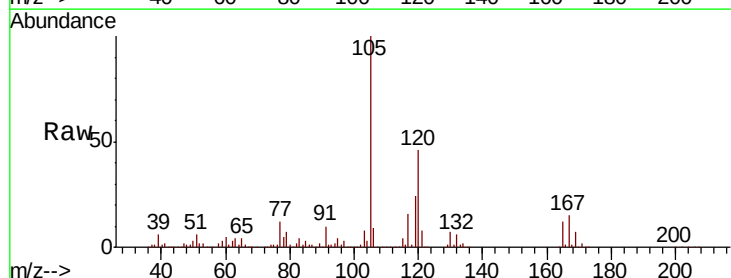
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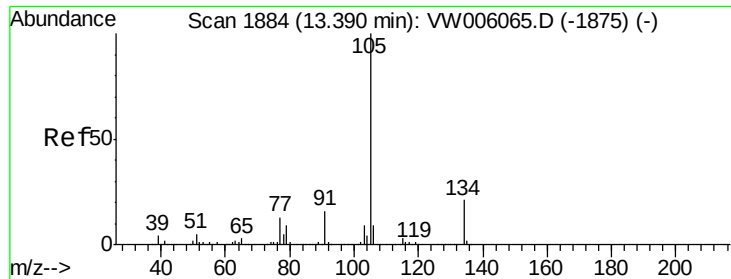
sam
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#84
1,2,4-Trimethylbenzene
Concen: 54.017 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.3





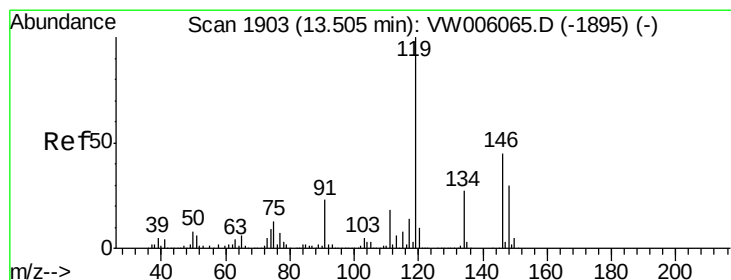
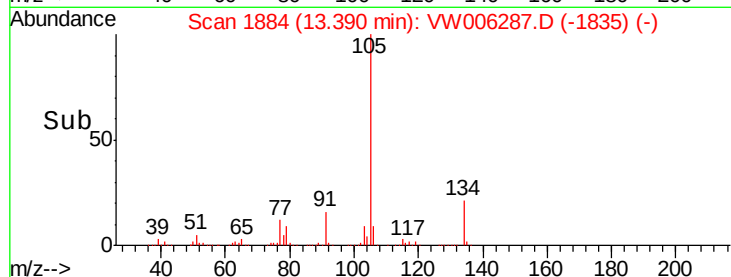
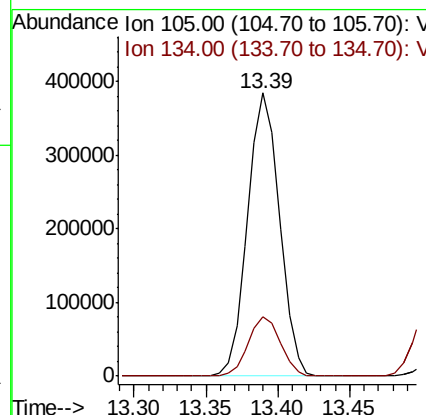
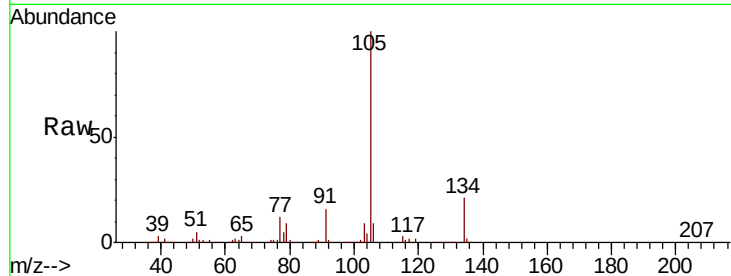
#85
 sec-Butylbenzene
 Concen: 51.043 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.6

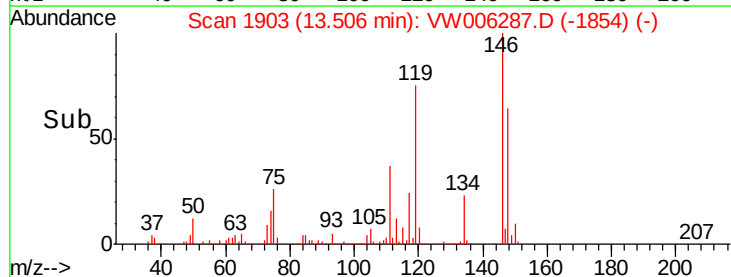
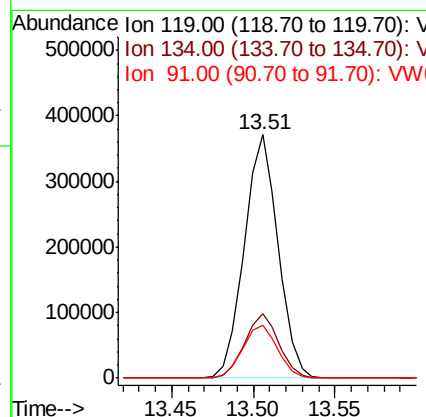
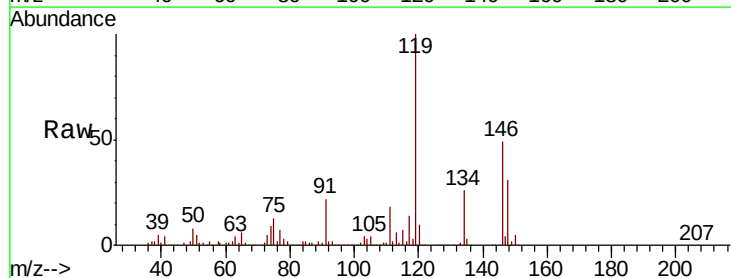
Manual Integrations
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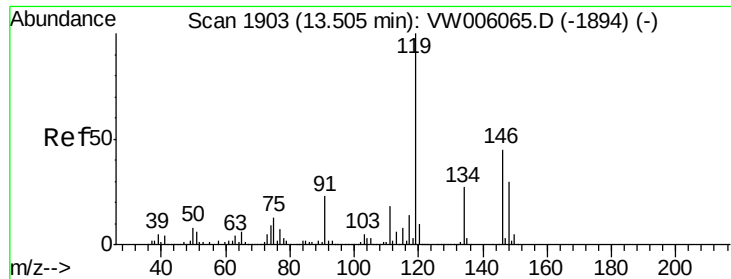
sam
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#86
 p-Isopropyltoluene
 Concen: 51.117 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.2
91	22.5	11.4	34.1





#87

1,3-Dichlorobenzene

Concen: 53.166 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

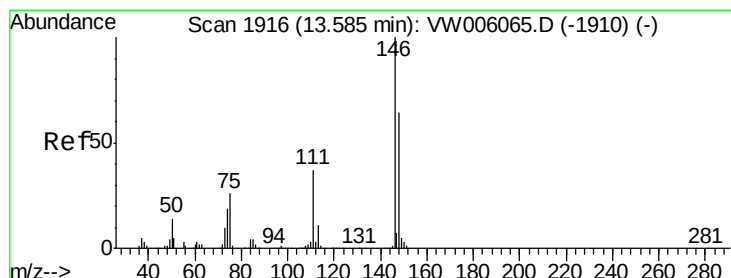
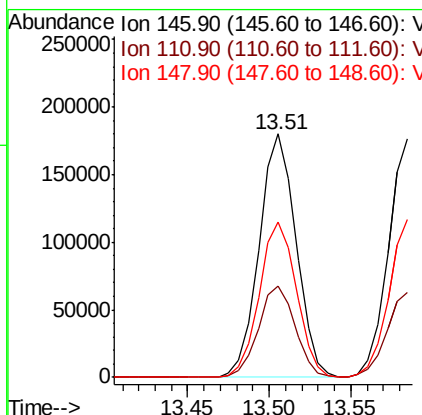
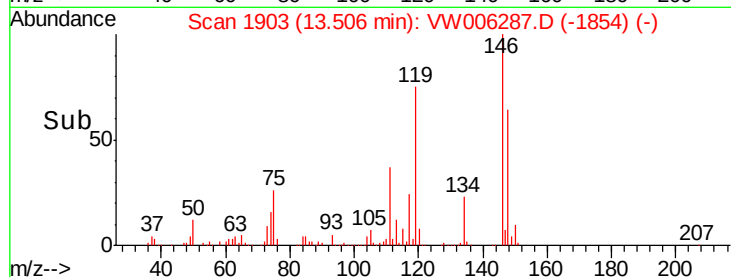
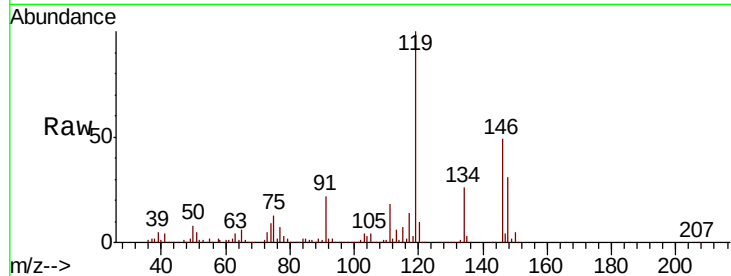
Instrument :
MSVOA_W

ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.5
148	64.4	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.851 ug/l

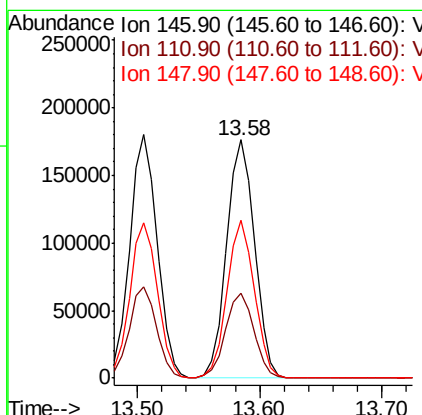
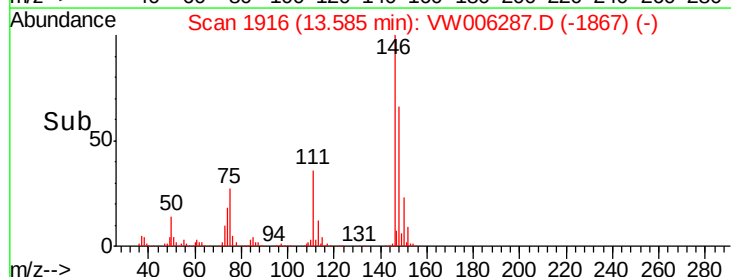
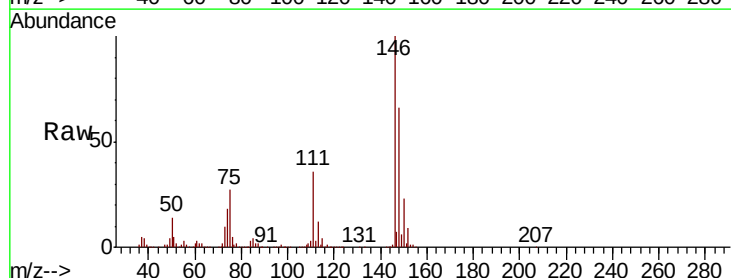
RT: 13.58 min Scan# 1916

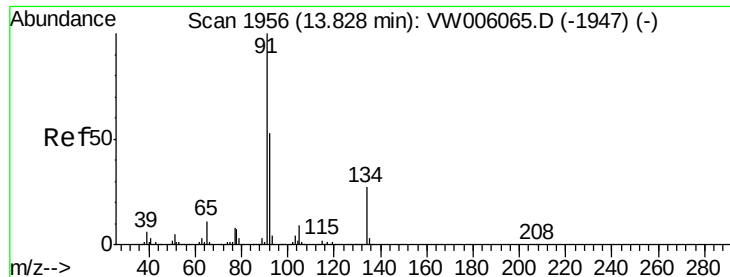
Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.6	56.0
148	64.6	32.1	96.5





#89

n-Butylbenzene

Concen: 47.253 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Instrument :

MSVOA_W

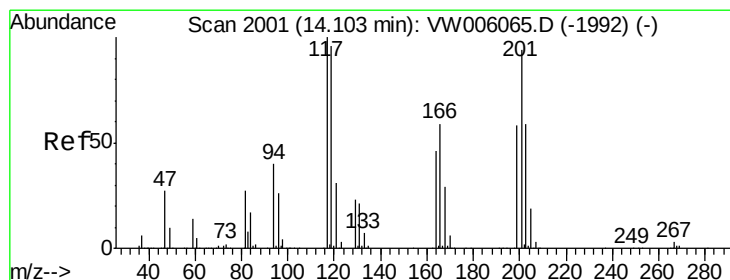
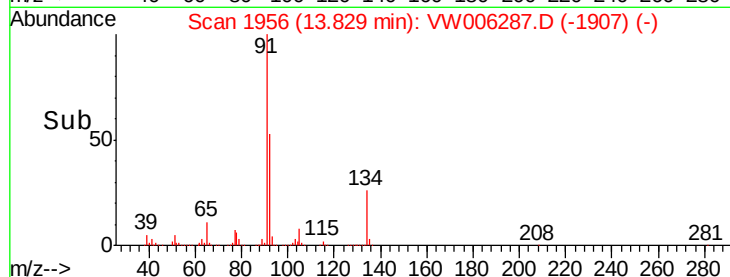
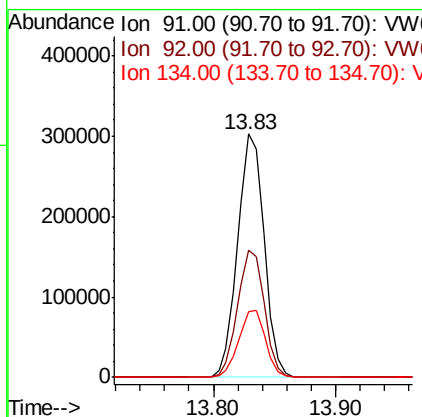
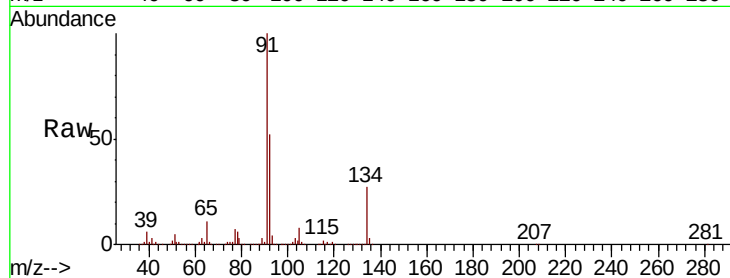
ClientSampleId :

PA-SED-01MSD

Tot Ion:	91	Resp:	452162
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	27.9	14.0	41.9

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#90

Hexachloroethane

Concen: 48.719 ug/l

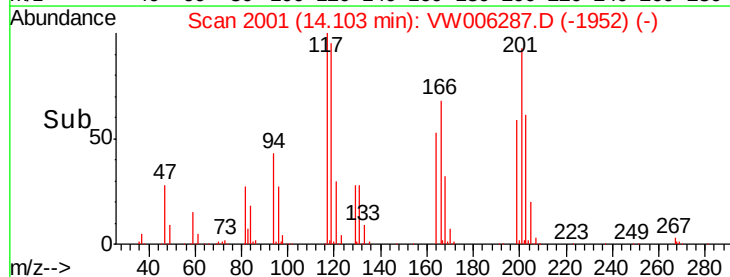
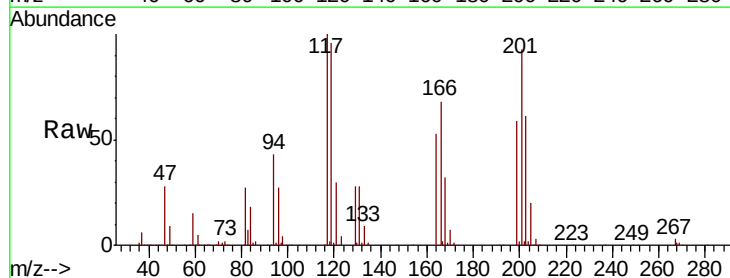
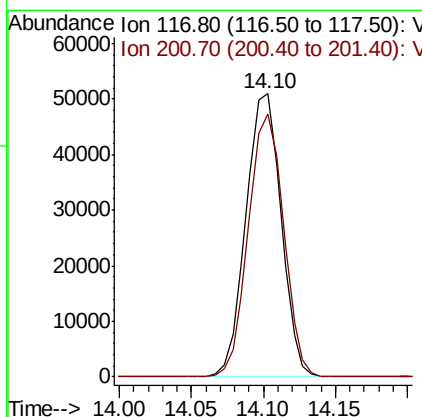
RT: 14.10 min Scan# 2001

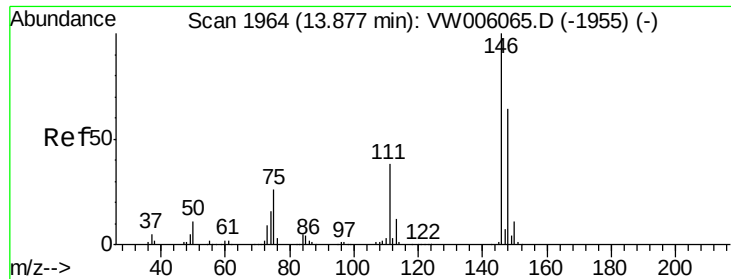
Delta R.T. 0.00 min

Lab File: VW006287.D

Acq: 23 Oct 2018 08:48

Tgt Ion:	117	Resp:	86344
Ion	Ratio	Lower	Upper
117	100		
201	92.8	45.3	135.9





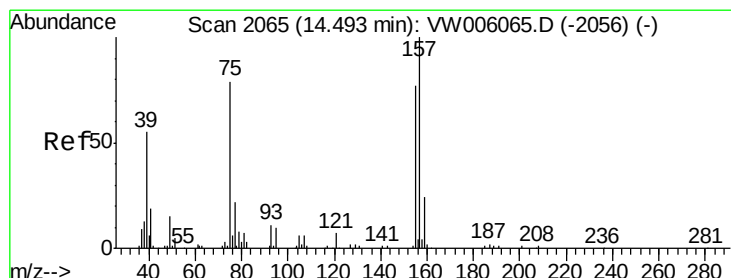
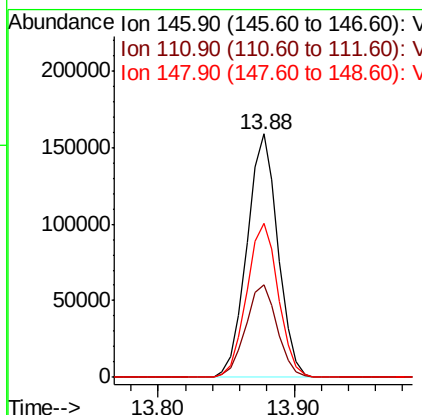
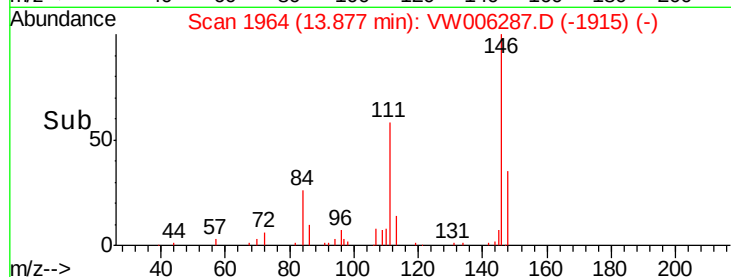
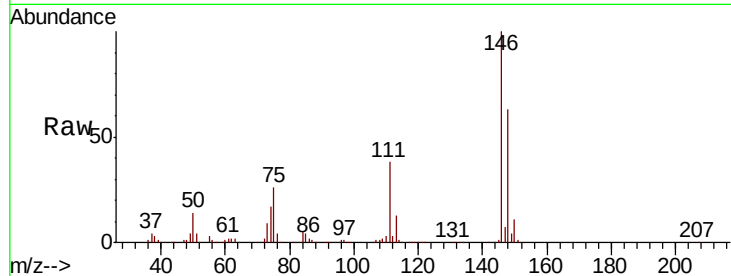
#91
 1,2-Dichlorobenzene
 Concen: 53.602 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.5	32.2	96.6

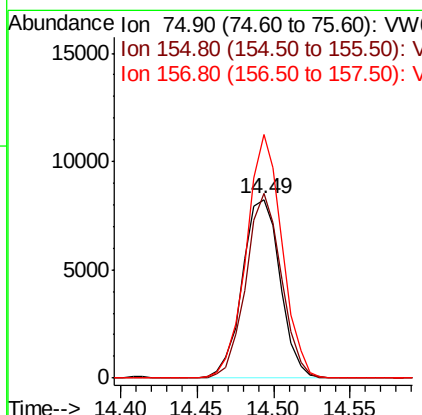
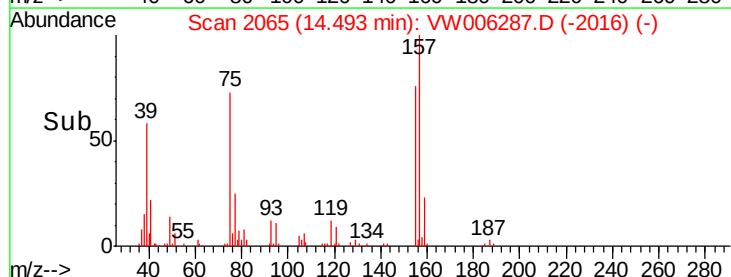
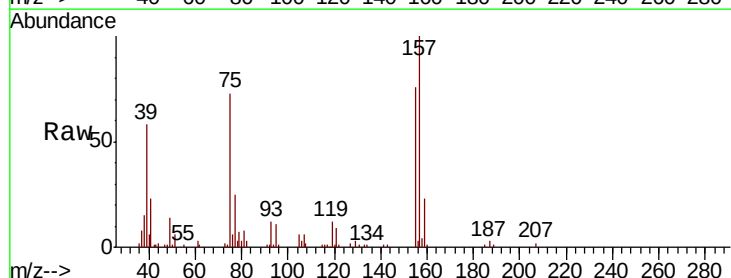
Manual Integrations
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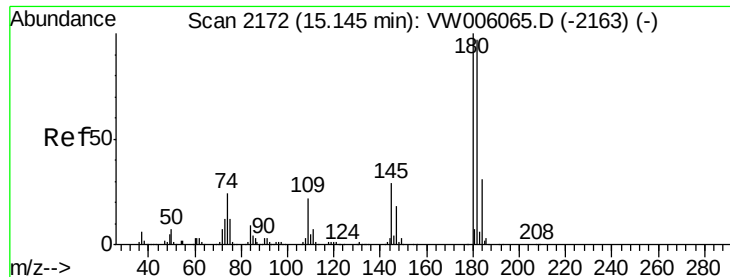
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.010 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006287.D
 Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	46.5	139.5
157	128.6	59.8	179.4





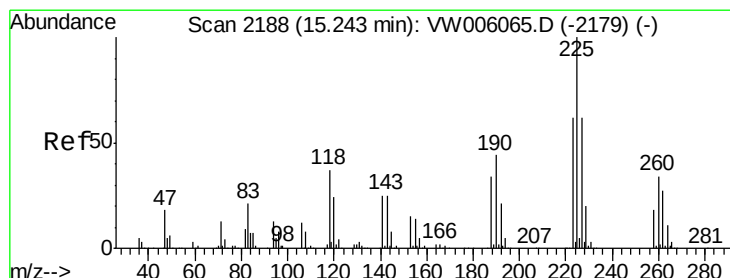
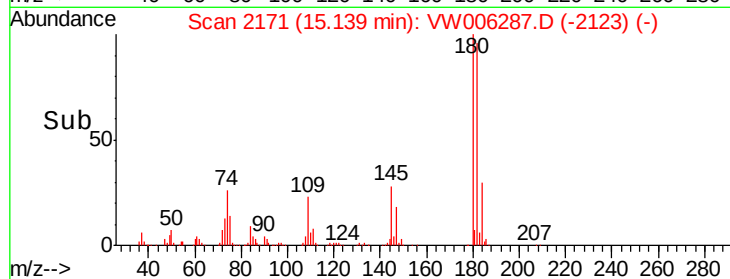
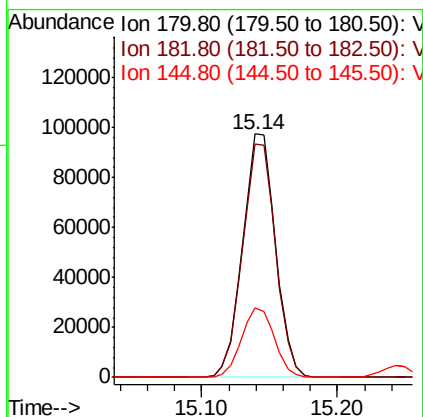
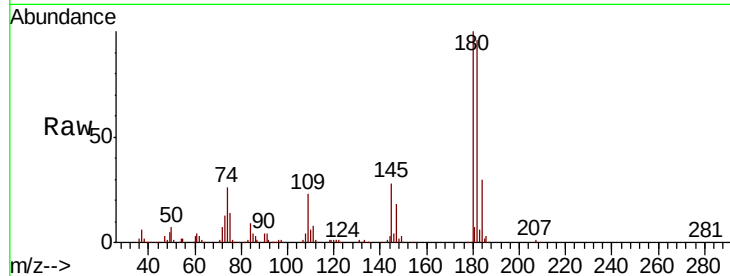
#93
1,2,4-Trichlorobenzene
Concen: 45.369 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.01 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	164781		
182	96.6	47.9	143.6	
145	28.6	14.2	42.8	

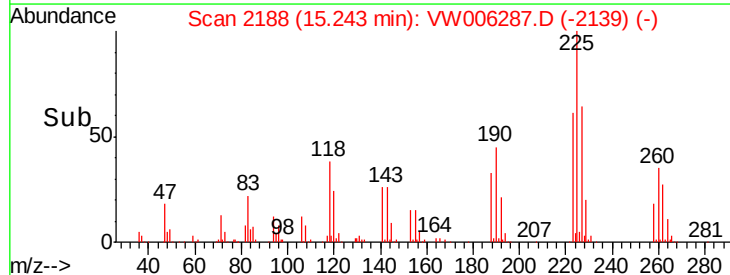
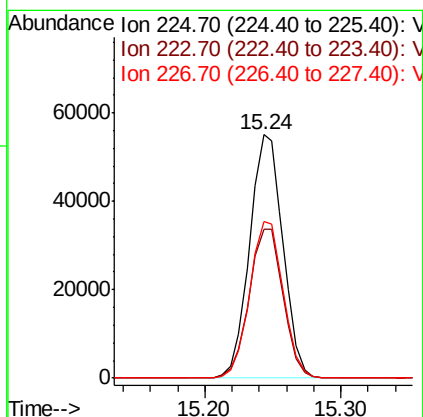
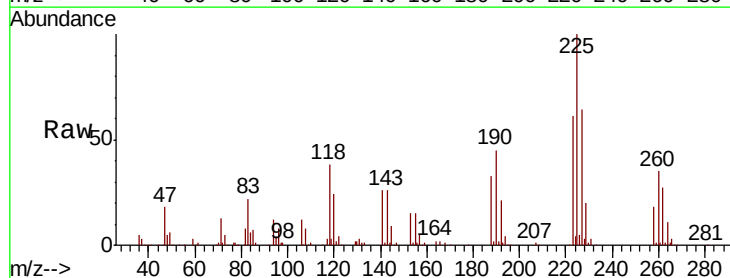
Manual Integrations
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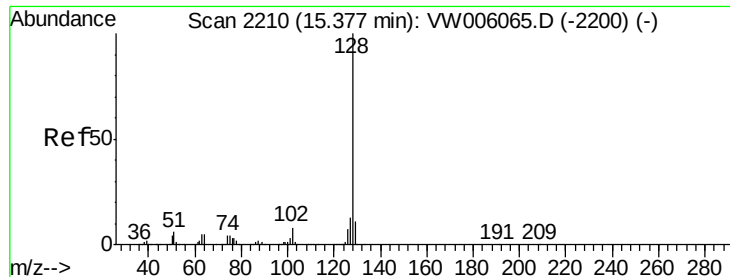
sam
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#94
Hexachlorobutadiene
Concen: 41.426 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94518		
223	62.6	31.1	93.5	
227	64.5	32.4	97.0	





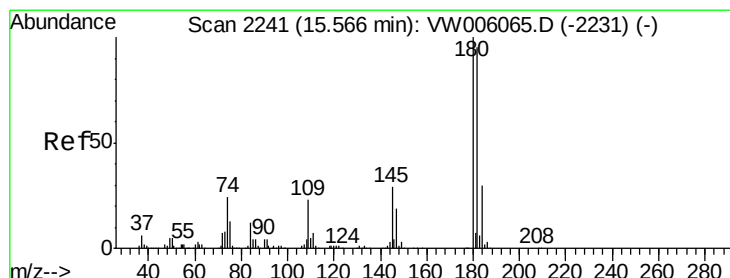
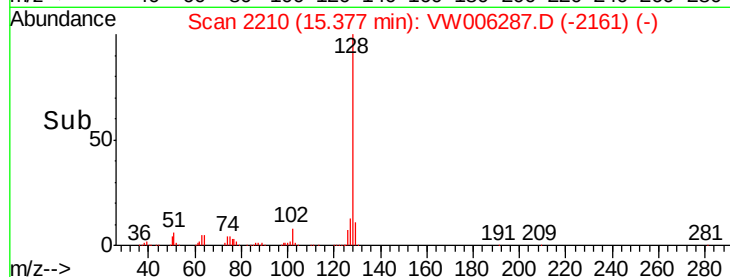
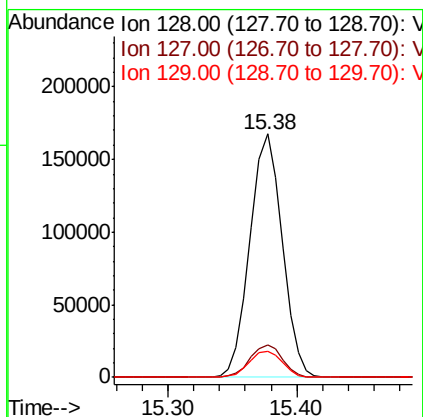
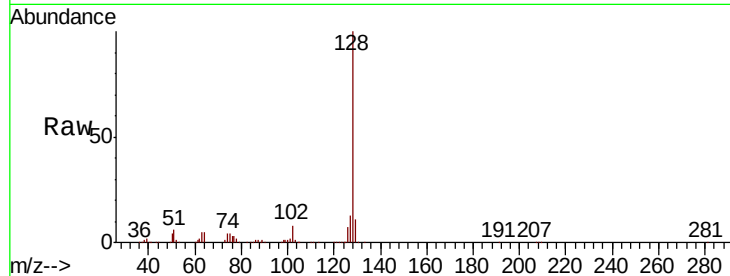
#95
Naphthalene
Concen: 48.168 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

sam
10/24/2018 5:33:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.725 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006287.D
Acq: 23 Oct 2018 08:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.8	143.3
145	31.2	15.0	45.1

