

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006286.D
 Acq On : 23 Oct 2018 08:22
 Operator : VA/AP
 Sample : J5624-02MS
 Misc : 5.59G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Manual Integrations
 APPROVED

sam
 10/24/2018 5:33:45 PM

Quant Time: Oct 23 08:48:19 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	204629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	313875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	159806	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	88850	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
35) Dibromofluoromethane	7.88	113	91790	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.33	98	331450	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	12.62	95	127089	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	49488	48.871	ug/l 95
3) Chloromethane	2.21	50	60695	46.564	ug/l 95
4) Vinyl Chloride	2.37	62	95020	51.045	ug/l 97
5) Bromomethane	2.79	94	85453	50.471	ug/l 99
6) Chloroethane	2.93	64	69057	51.767	ug/l 100
7) Trichlorofluoromethane	3.26	101	73682	42.490	ug/l 96
8) Diethyl Ether	3.68	74	50242	54.515	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	90423	49.756	ug/l 98
10) Methyl Iodide	4.27	142	163971	54.210	ug/l 99
11) Tert butyl alcohol	5.21	59	28014	245.530	ug/l 99
12) 1,1-Dichloroethene	4.04	96	89314	52.238	ug/l 96
13) Acrolein	3.90	56	21343	193.318	ug/l 97
14) Allyl chloride	4.67	41	99097	40.536	ug/l 99
15) Acrylonitrile	5.38	53	98403	297.687	ug/l 99
16) Acetone	4.14	43	77596	243.414	ug/l 97
17) Carbon Disulfide	4.38	76	237749	46.075	ug/l 100
18) Methyl Acetate	4.68	43	55191	64.646	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	151796	58.291	ug/l 98
20) Methylene Chloride	4.92	84	110803	62.121	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	106780	55.952	ug/l 96
22) Diisopropyl ether	6.31	45	280499	58.062	ug/l 99
23) Vinyl Acetate	6.26	43	646622	226.802	ug/l 99
24) 1,1-Dichloroethane	6.21	63	182444	58.527	ug/l 98
25) 2-Butanone	7.18	43	125058	272.871	ug/l 96
26) 2,2-Dichloropropane	7.17	77	93486	42.521	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	123333	58.563	ug/l 97
28) Bromochloromethane	7.51	49	73399	60.991	ug/l 96
29) Tetrahydrofuran	7.54	42	82315	292.199	ug/l 98
30) Chloroform	7.68	83	201607	59.361	ug/l 99
31) Cyclohexane	7.96	56	138817	44.717	ug/l 97
32) 1,1,1-Trichloroethane	7.87	97	162841	53.153	ug/l 98
36) 1,1-Dichloropropene	8.09	75	146410	50.607	ug/l 100
37) Ethyl Acetate	7.26	43	57558	53.548	ug/l 98
38) Carbon Tetrachloride	8.07	117	151066	47.632	ug/l 99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	165746	43.100	ug/l	98
40) Benzene	8.33	78	429532	54.125	ug/l	100
41) Methacrylonitrile	7.49	41	34269	52.886	ug/l	93
42) 1,2-Dichloroethane	8.40	62	130407	55.931	ug/l	99
43) Isopropyl Acetate	8.43	43	116294	52.915	ug/l	100
44) Trichloroethene	9.09	130	127528	52.379	ug/l	98
45) 1,2-Dichloropropane	9.37	63	104674	55.121	ug/l	99
46) Dibromomethane	9.46	93	61613	56.926	ug/l	99
47) Bromodichloromethane	9.65	83	141924	54.085	ug/l	99
48) Methyl methacrylate	9.44	41	56129	53.879	ug/l	93
49) 1,4-Dioxane	9.47	88	16793	1007.850	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	303712	275.813	ug/l	99
52) Toluene	10.39	92	284508	53.475	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	132697	50.756	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	154671	51.547	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	86474	57.093	ug/l	97
56) Ethyl methacrylate	10.65	69	103435	55.706	ug/l	98
57) 1,3-Dichloropropane	10.94	76	141644	56.493	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	180048	253.768	ug/l	99
59) 2-Hexanone	10.98	43	204457	260.110	ug/l	97
60) Dibromochloromethane	11.13	129	103484	54.852	ug/l	100
61) 1,2-Dibromoethane	11.24	107	86161	56.933	ug/l	99
64) Tetrachloroethene	10.87	164	119210	52.941	ug/l	98
65) Chlorobenzene	11.66	112	331365	53.365	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	120291	54.512	ug/l	99
67) Ethyl Benzene	11.74	91	557877	51.843	ug/l	100
68) m/p-Xylenes	11.84	106	437197	102.790	ug/l	99
69) o-Xylene	12.17	106	213541	52.680	ug/l	99
70) Styrene	12.18	104	351758	53.365	ug/l	99
71) Bromoform	12.35	173	64413	52.334	ug/l	99
73) Isopropylbenzene	12.47	105	564168	49.971	ug/l	99
74) N-amyl acetate	12.28	43	101363	46.226	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	99812	58.127	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64650m	52.966	ug/l	
77) Bromobenzene	12.75	156	151190	54.675	ug/l	100
78) n-propylbenzene	12.81	91	645477	49.143	ug/l	100
79) 2-Chlorotoluene	12.90	91	380508	51.560	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	477958	50.219	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	22234	43.542	ug/l	99
82) 4-Chlorotoluene	12.99	91	405088	52.400	ug/l	100
83) tert-Butylbenzene	13.21	119	420655	49.400	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	493691	51.261	ug/l	100
85) sec-Butylbenzene	13.39	105	574007	47.715	ug/l	100
86) p-Isopropyltoluene	13.51	119	521647	47.941	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	287804	52.297	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	286900	52.359	ug/l	99
89) n-Butylbenzene	13.83	91	451082	45.329	ug/l	100
90) Hexachloroethane	14.10	117	84039	45.597	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	261373	53.245	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15927	51.806	ug/l	95

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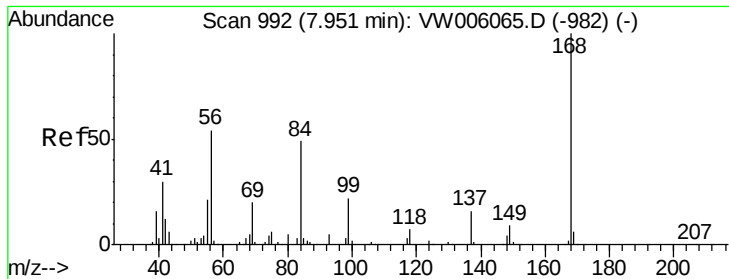
Manual Integrations
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10/24/2018 5:33:45 PM

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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)
93) 1,2,4-Trichlorobenzene	15.14	180	178078	47.146	ug/l	99
94) Hexachlorobutadiene	15.24	225	97831	41.231	ug/l	99
95) Naphthalene	15.38	128	328853	52.338	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	158578	48.539	ug/l	100

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



#1

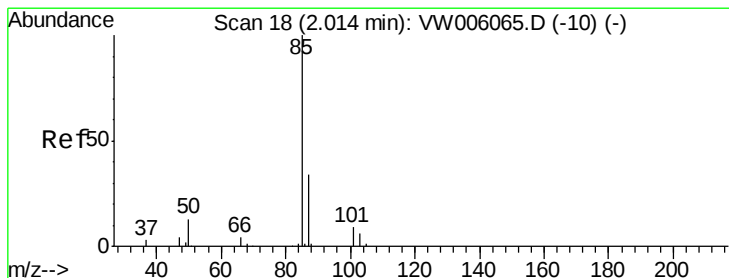
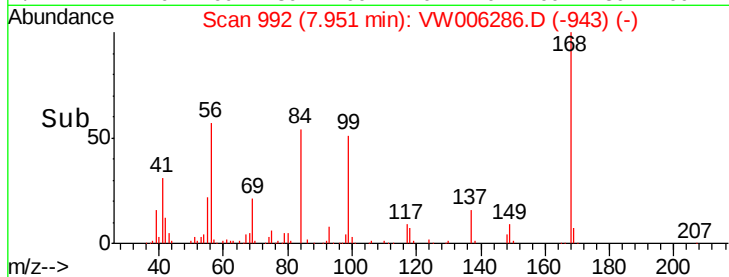
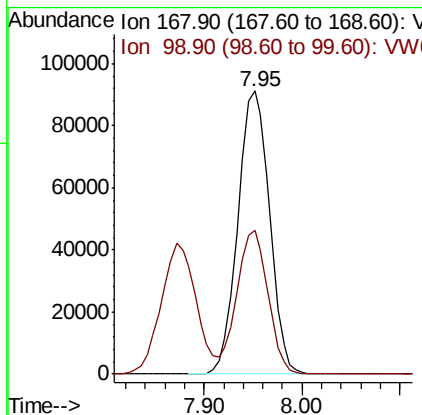
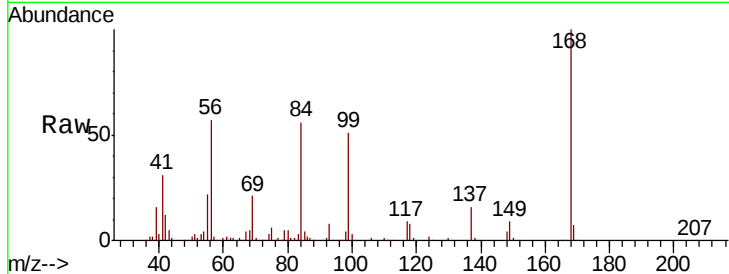
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.7	39.9	59.9

Manual Integrations
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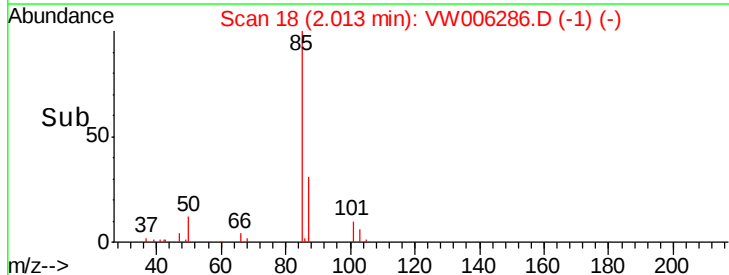
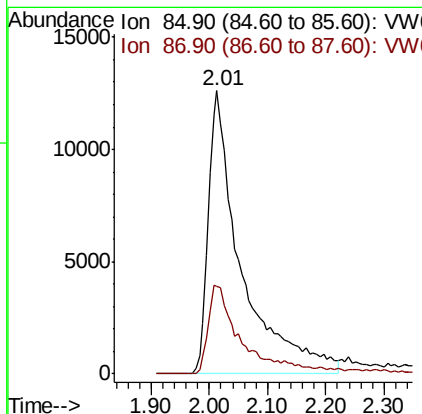
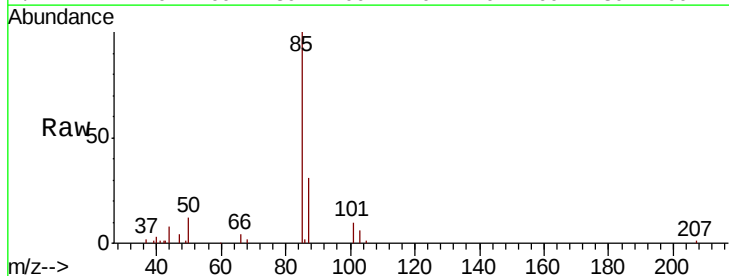
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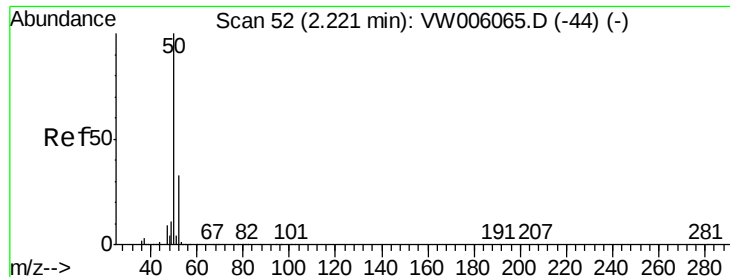


#2

Dichlorodifluoromethane
 Concen: 48.871 ug/l
 RT: 2.01 min Scan# 18
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.9	50.6





#3

Chloromethane

Concen: 46.564 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

Tot Ion: 50 Resp: 60695

Ion Ratio Lower Upper

50 100

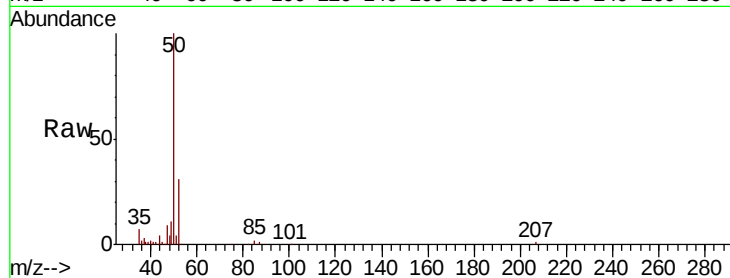
52 30.9 26.8 40.2

Manual Integrations

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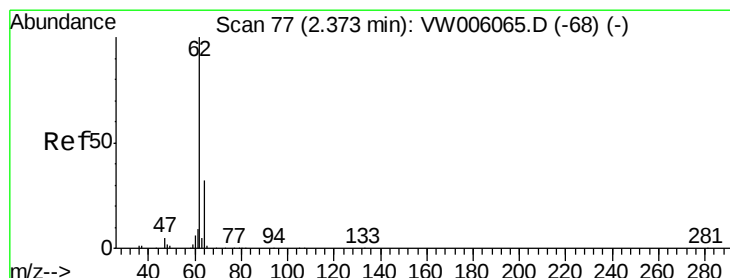
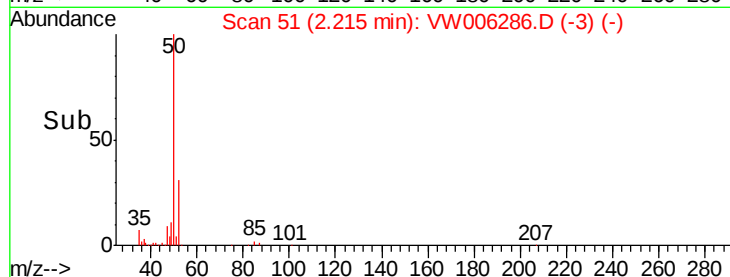
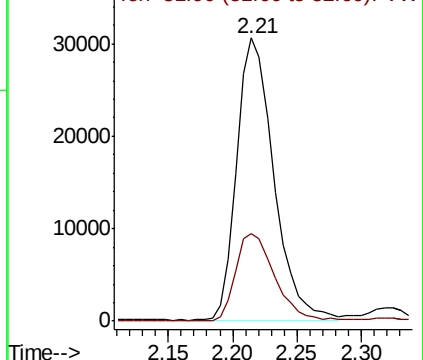
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 51.045 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006286.D

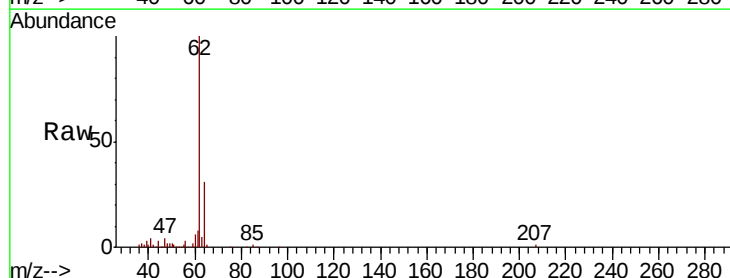
Acq: 23 Oct 2018 08:22

Tgt Ion: 62 Resp: 95020

Ion Ratio Lower Upper

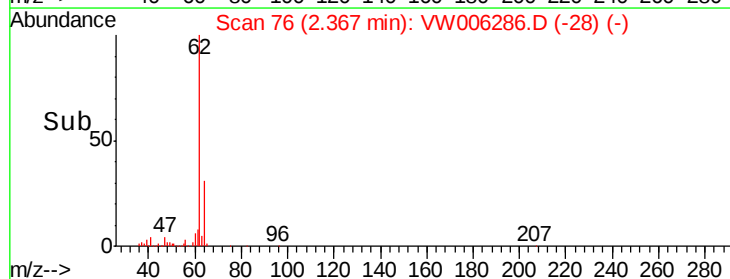
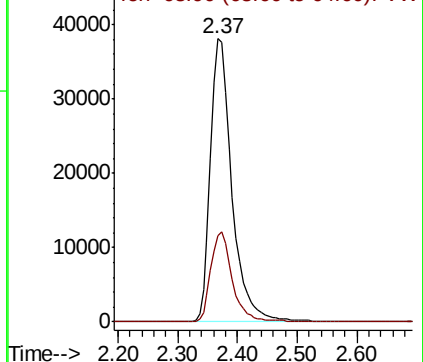
62 100

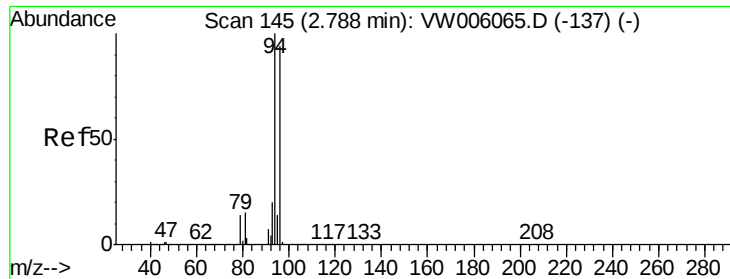
64 30.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 50.471 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

Tot Ion: 94 Resp: 85453

Ion Ratio Lower Upper

94 100

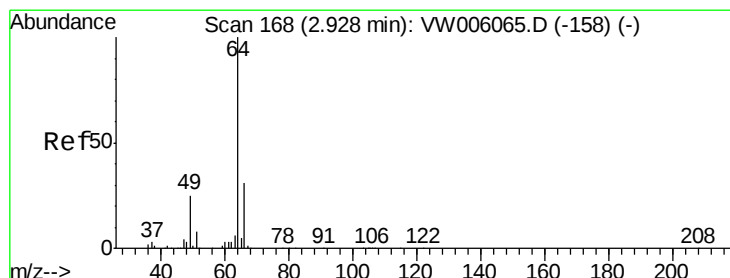
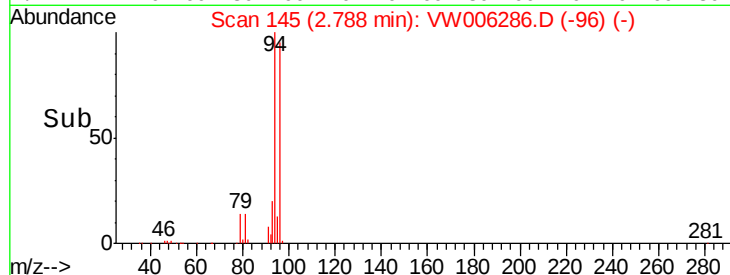
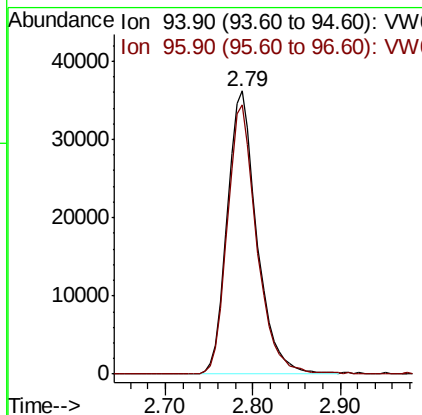
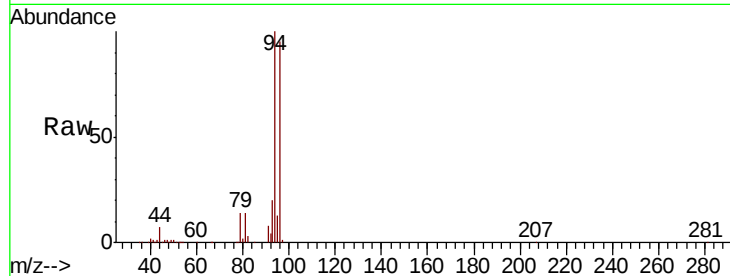
96 94.8 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 51.767 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006286.D

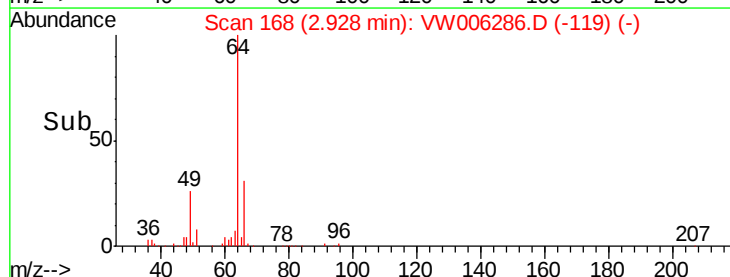
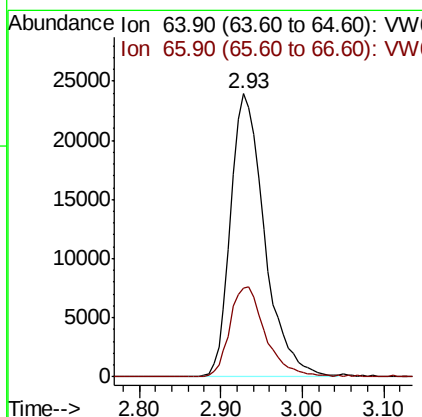
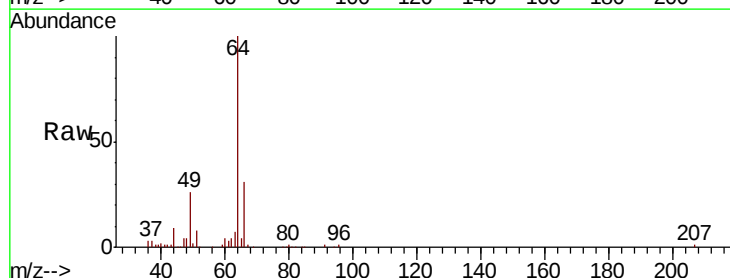
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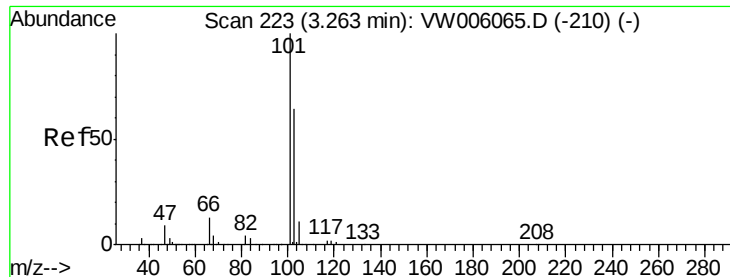
Tgt Ion: 64 Resp: 69057

Ion Ratio Lower Upper

64 100

66 31.3 24.9 37.3





#7

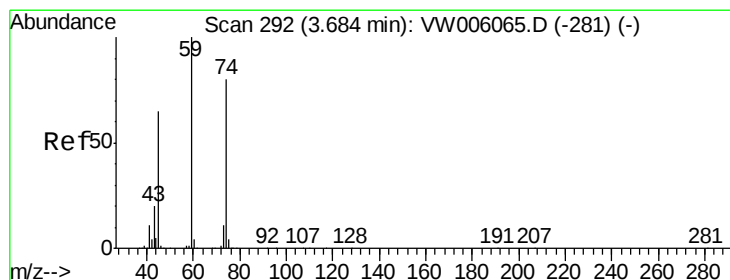
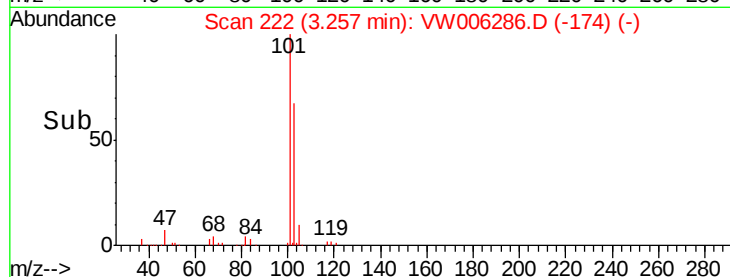
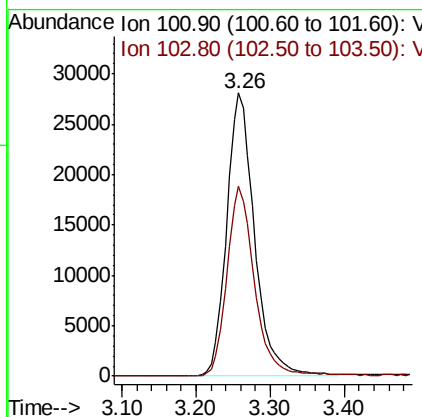
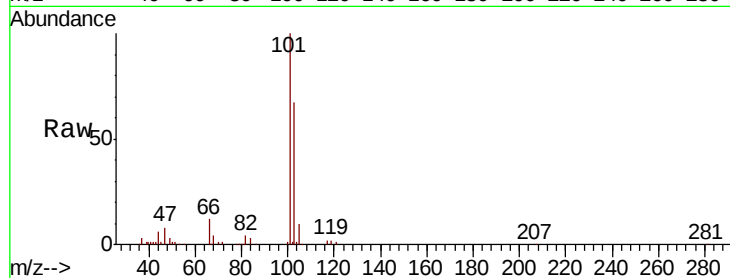
Trichlorofluoromethane
 Concen: 42.490 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.2	76.8

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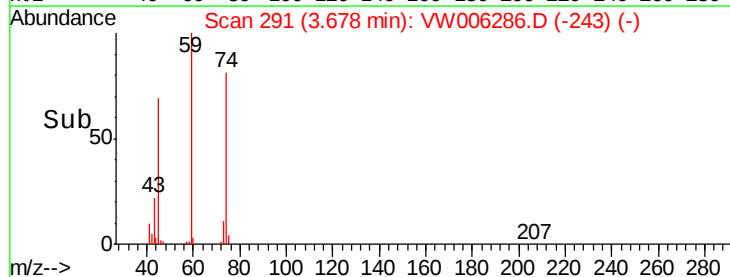
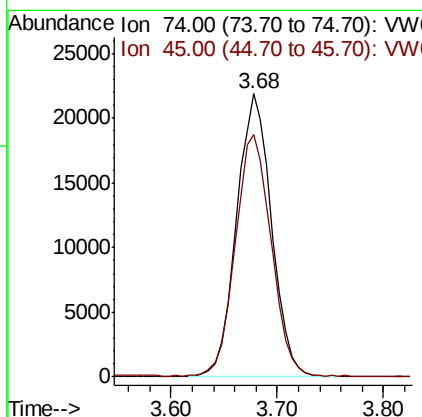
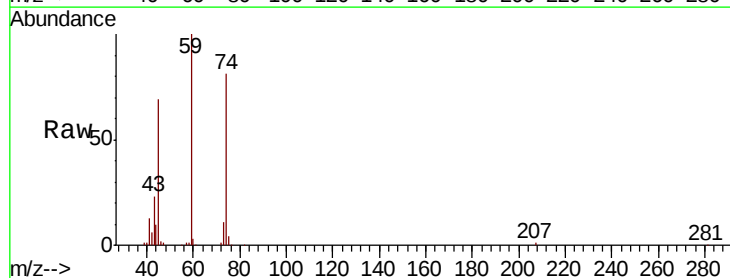
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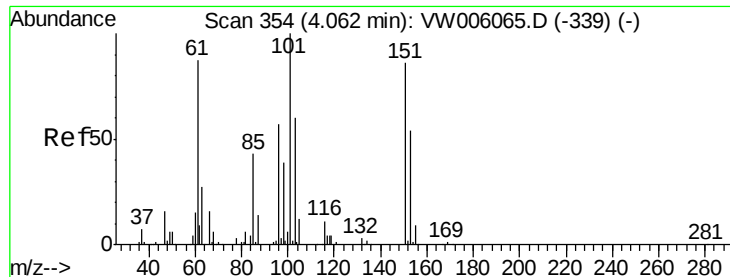


#8

Diethyl Ether
 Concen: 54.515 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.9	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.756 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

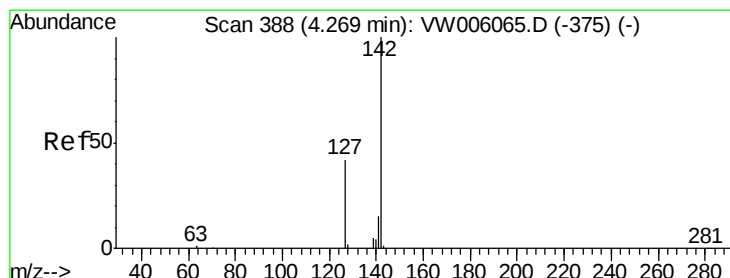
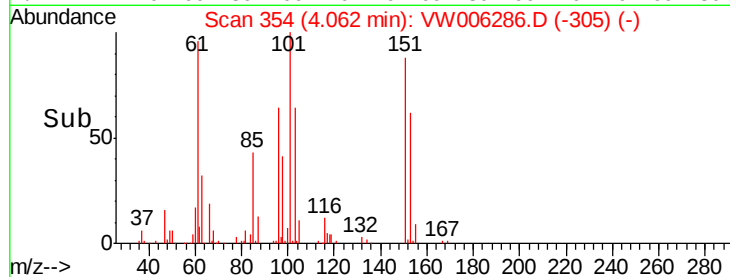
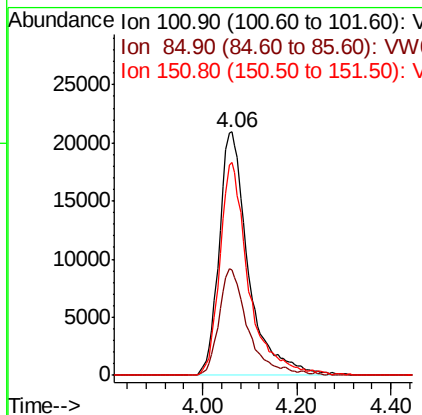
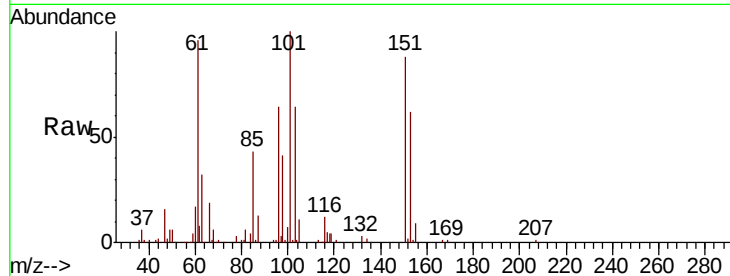
ClientSampleId :

PA-SED-01MS

Tot Ion:	101	Resp:	90423
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.9	52.3
151	85.6	70.4	105.6

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#10

Methyl Iodide

Concen: 54.210 ug/l

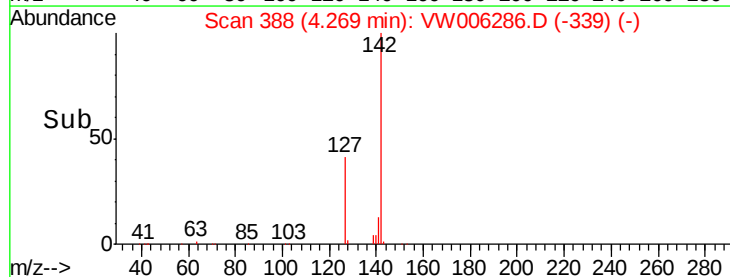
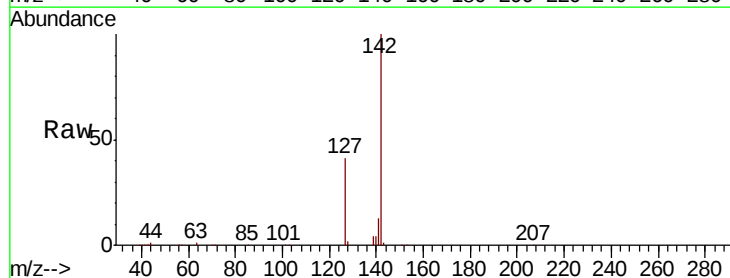
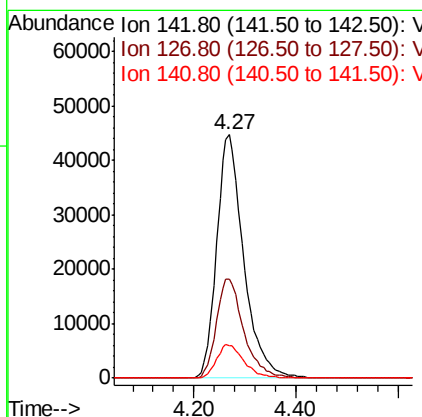
RT: 4.27 min Scan# 388

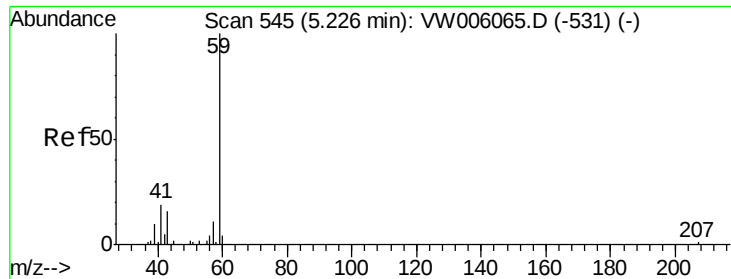
Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Tgt Ion:	142	Resp:	163971
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.6	50.4
141	14.3	11.6	17.4





#11

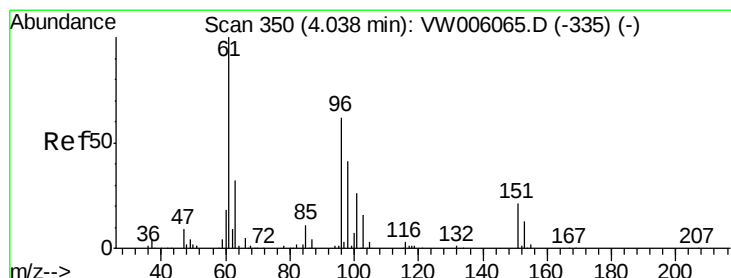
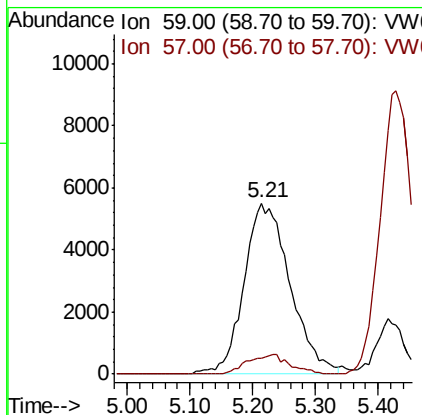
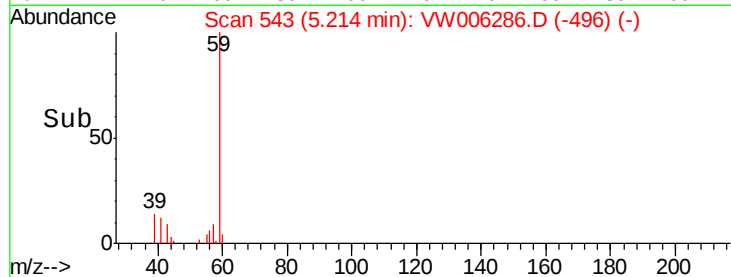
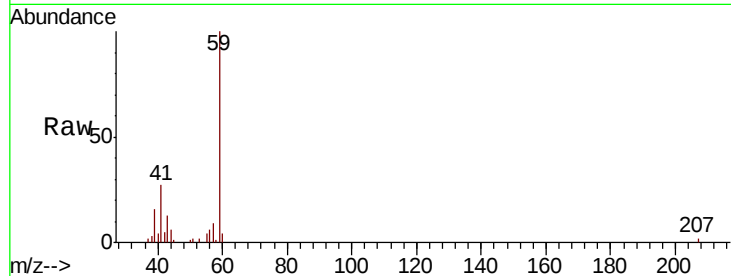
Tert butyl alcohol
Concen: 245.530 ug/l
RT: 5.21 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion: 59 Resp: 28014
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

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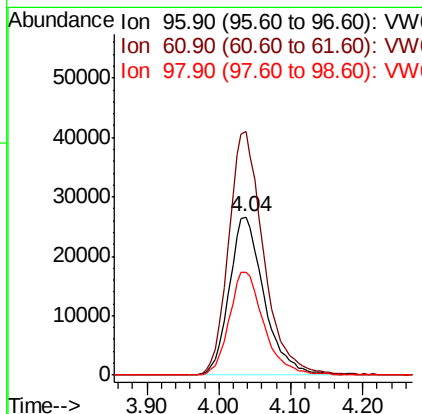
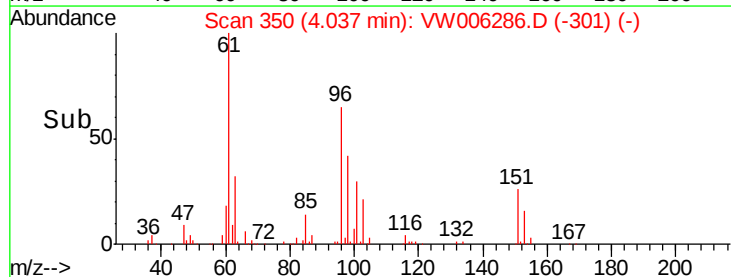
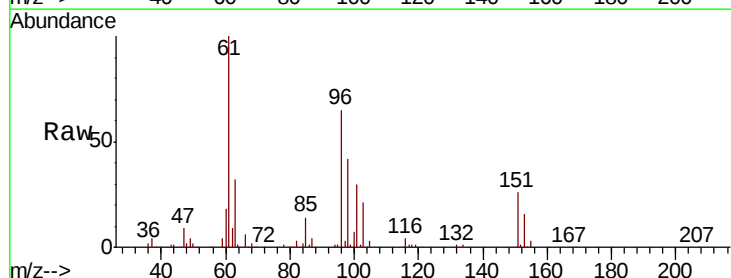
sam
10/24/2018 5:33:45 PM

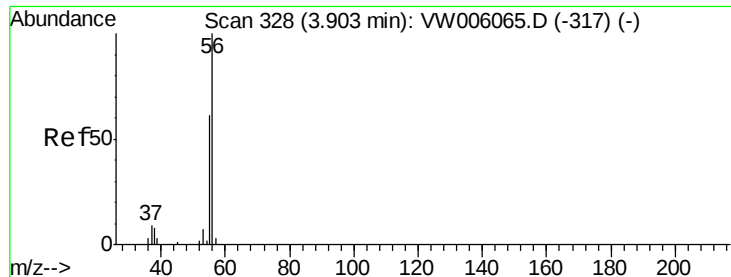


#12

1,1-Dichloroethene
Concen: 52.238 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion: 96 Resp: 89314
Ion Ratio Lower Upper
96 100
61 154.1 129.3 193.9
98 65.1 53.1 79.7





#13

Acrolein

Concen: 193.318 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

Tot Ion: 56 Resp: 21343

Ion Ratio Lower Upper

56 100

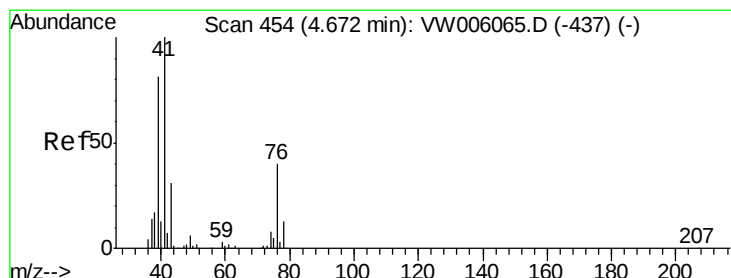
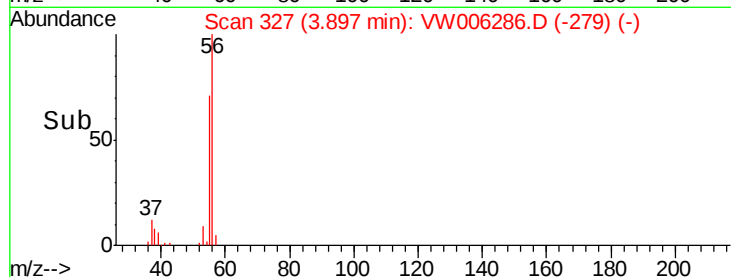
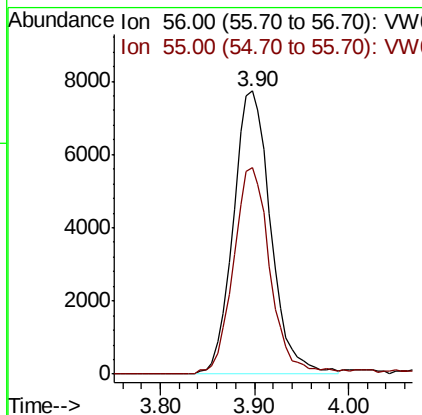
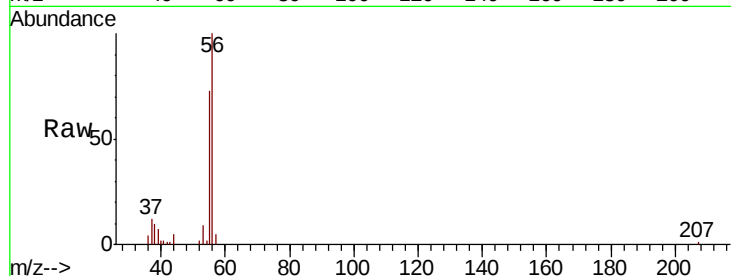
55 70.6 54.5 81.7

Manual Integrations

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#14

Allyl chloride

Concen: 40.536 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

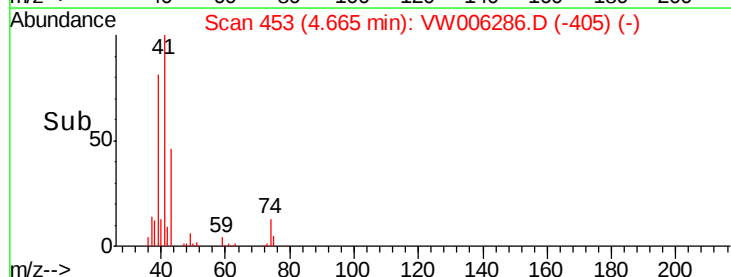
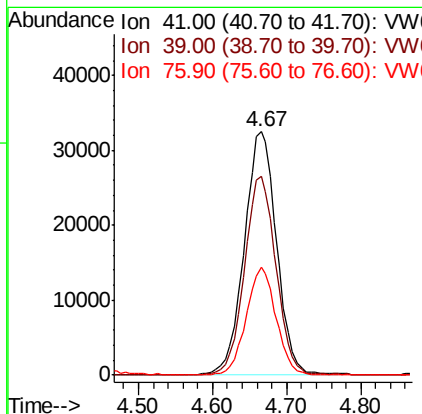
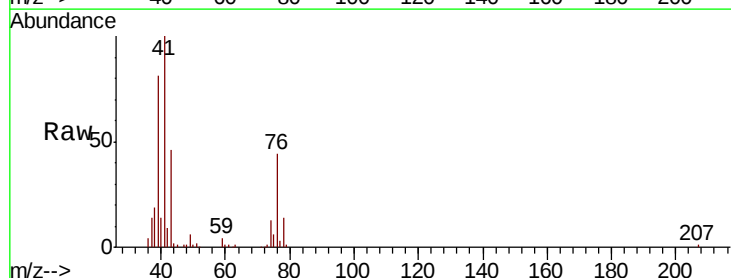
Tgt Ion: 41 Resp: 99097

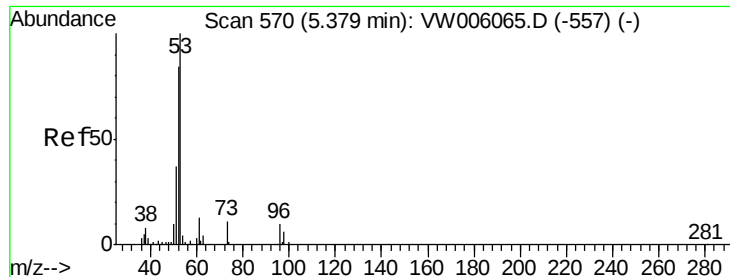
Ion Ratio Lower Upper

41 100

39 79.5 64.1 96.1

76 40.8 32.2 48.4





#15

Acrylonitrile

Concen: 297.687 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

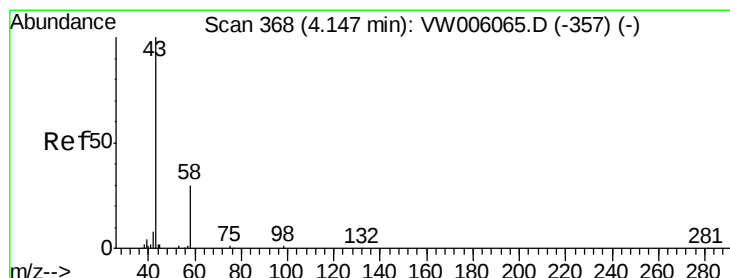
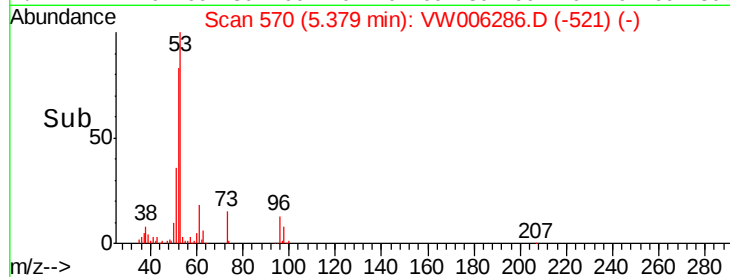
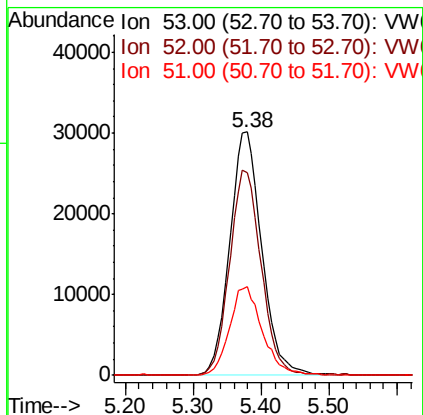
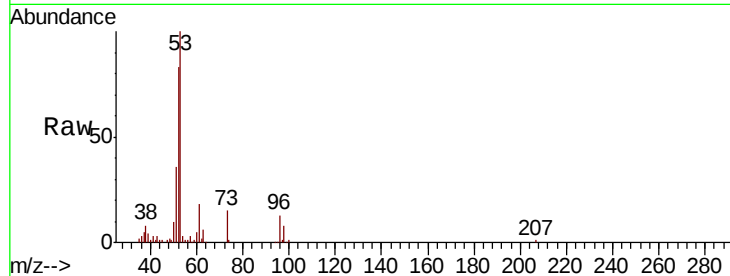
ClientSampleId :

PA-SED-01MS

Tot Ion:	53	Resp:	98403
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.9	100.3
51	37.4	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 243.414 ug/l

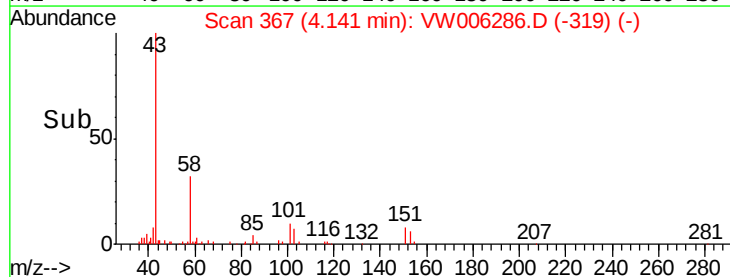
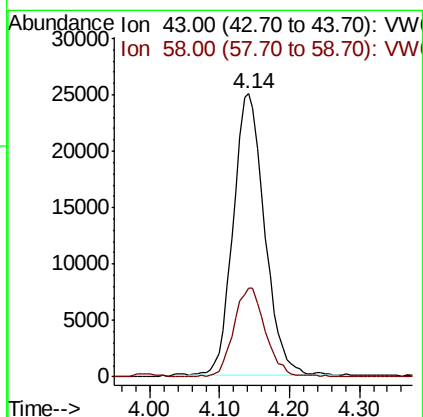
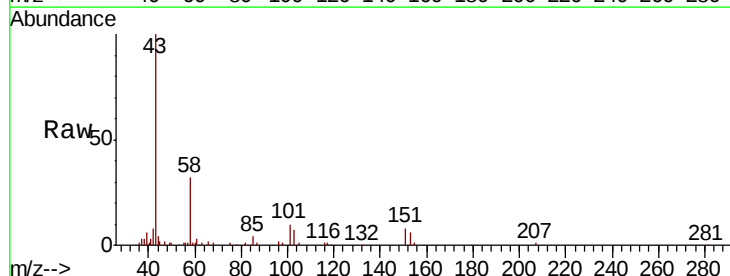
RT: 4.14 min Scan# 367

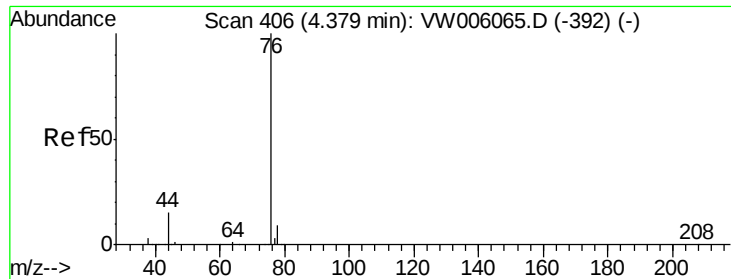
Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Tgt Ion:	43	Resp:	77596
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.0	36.0





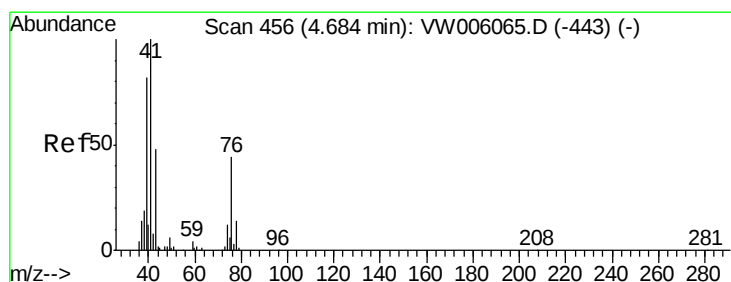
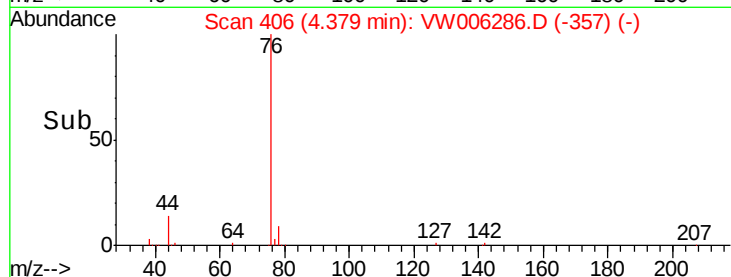
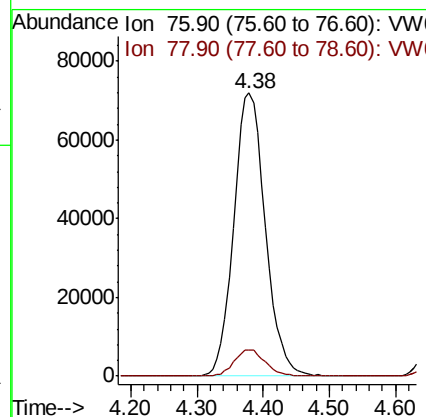
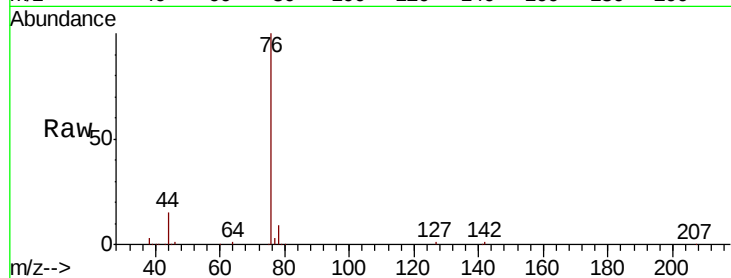
#17
Carbon Disulfide
Concen: 46.075 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

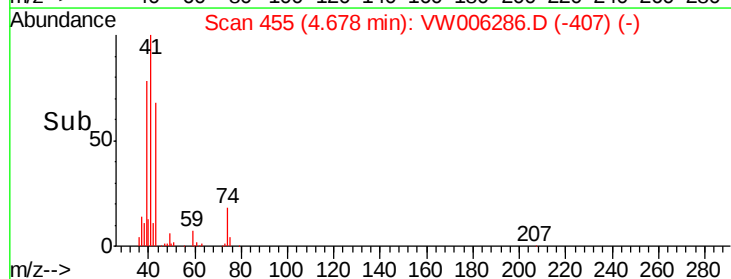
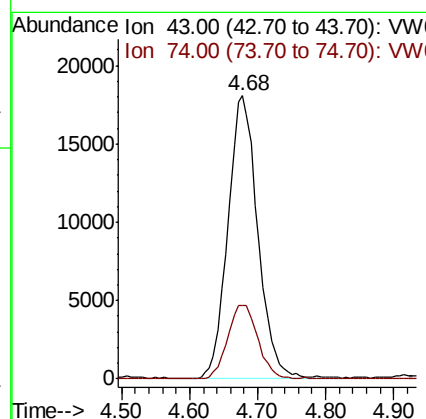
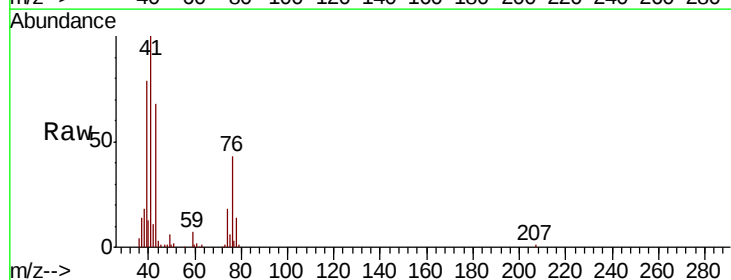
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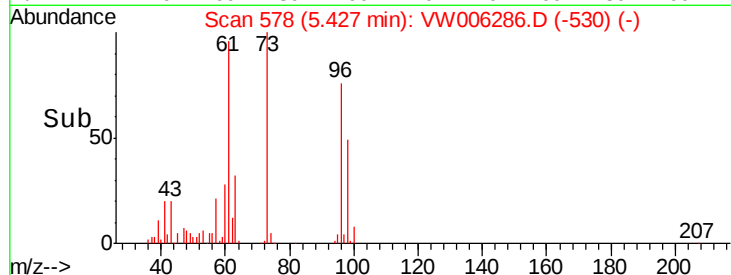
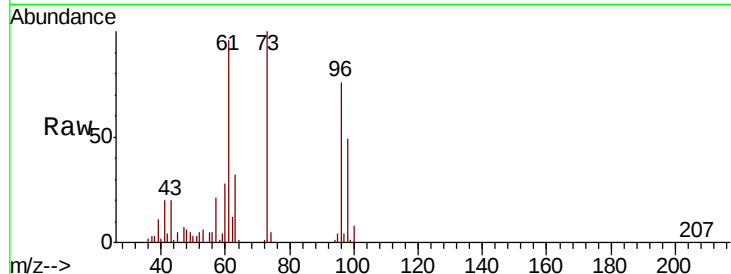
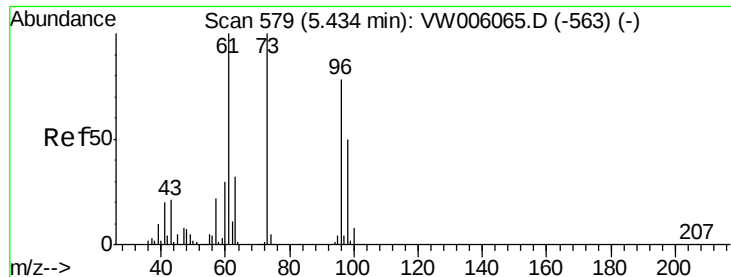
sam
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#18
Methyl Acetate
Concen: 64.646 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.5	30.7





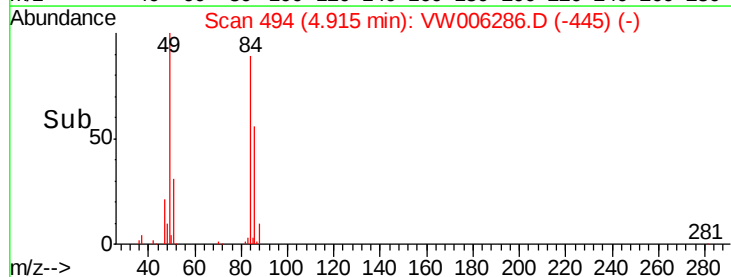
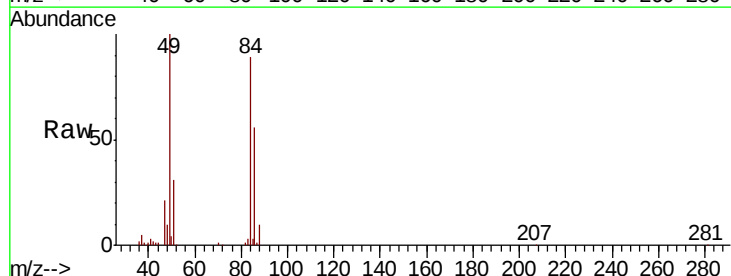
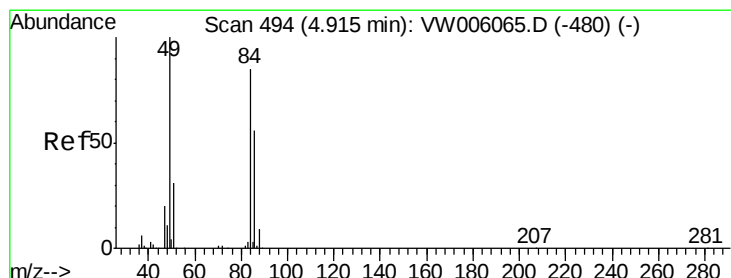
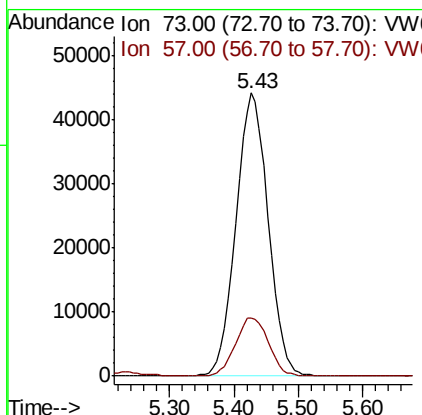
#19
Methyl tert-butyl Ether
Concen: 58.291 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.4	26.2

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

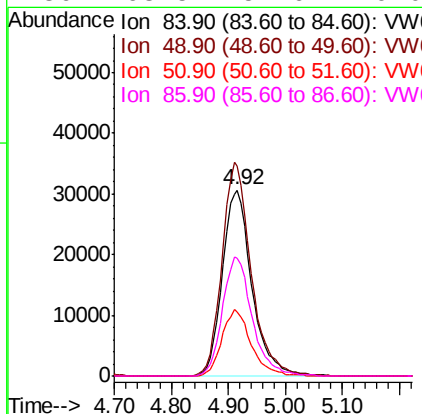
Manual Integrations
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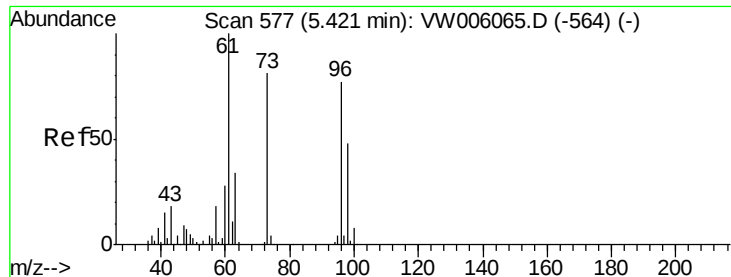
sam
10/24/2018 5:33:45 PM



#20
Methylene Chloride
Concen: 62.121 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.7	93.6	140.4
51	34.8	29.0	43.4
86	63.5	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 55.952 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

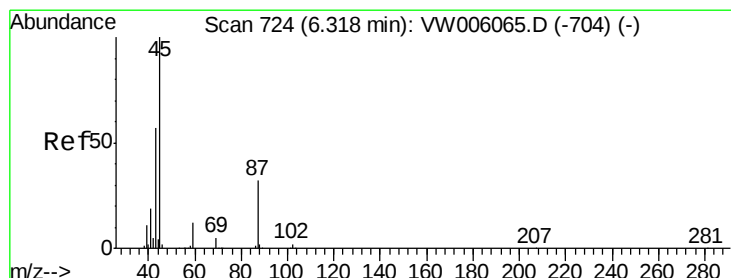
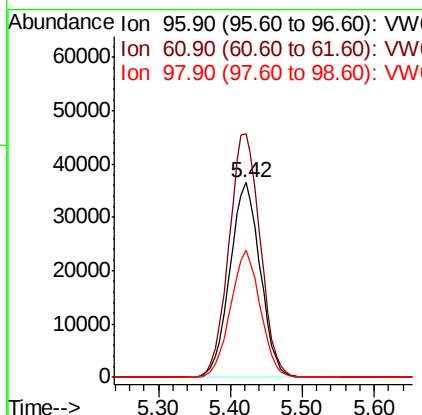
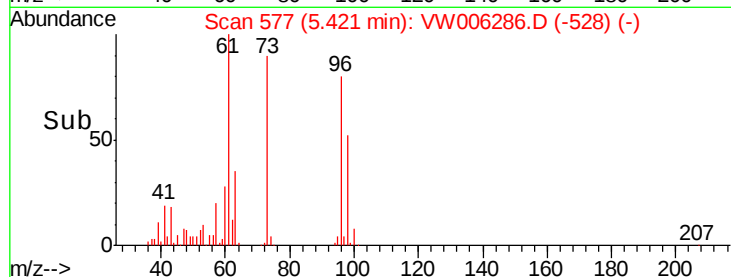
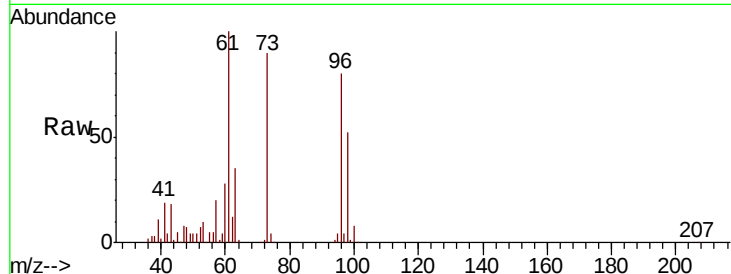
ClientSampleId :

PA-SED-01MS

Tot Ion:	96	Resp:	106780
Ion	Ratio	Lower	Upper
96	100		
61	125.0	104.5	156.7
98	65.0	50.6	75.8

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#22

Diisopropyl ether

Concen: 58.062 ug/l

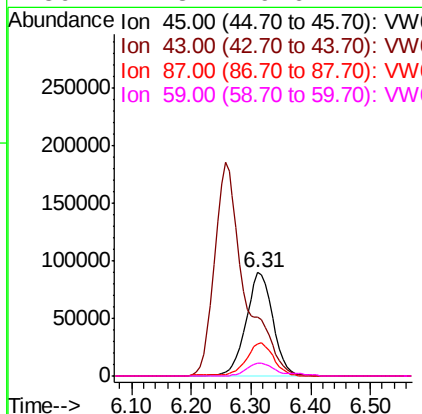
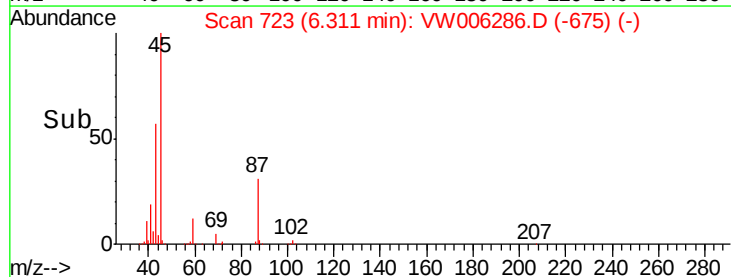
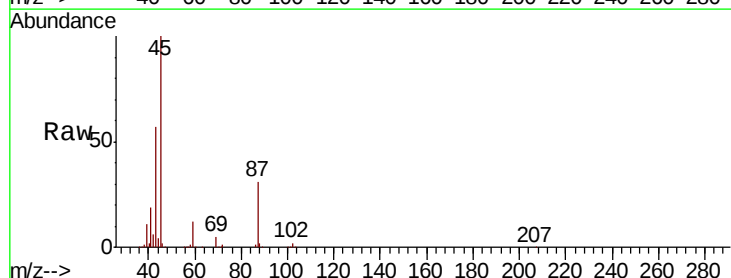
RT: 6.31 min Scan# 723

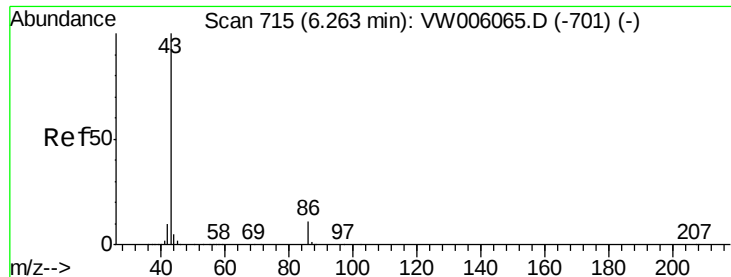
Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Tgt Ion:	45	Resp:	280499
Ion	Ratio	Lower	Upper
45	100		
43	56.2	45.7	68.5
87	31.4	25.9	38.9
59	12.3	9.6	14.4





#23

Vinyl Acetate

Concen: 226.802 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

Tot Ion: 43 Resp: 646622

Ion Ratio Lower Upper

43 100

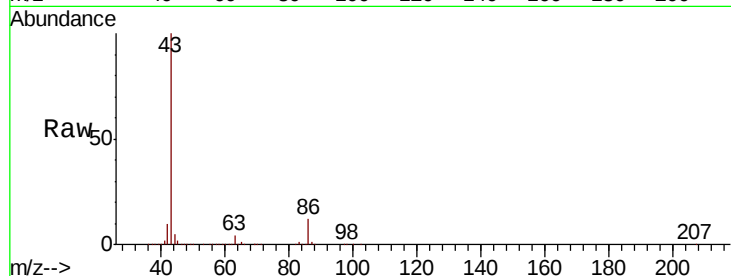
86 11.7 9.0 13.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

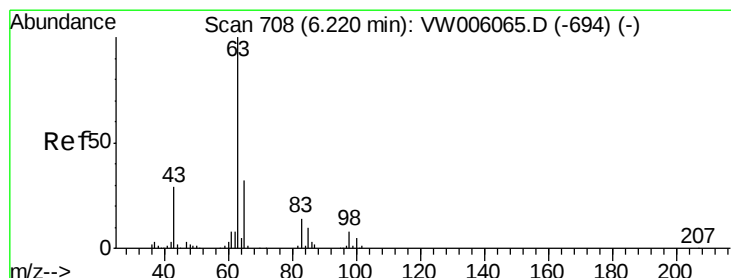
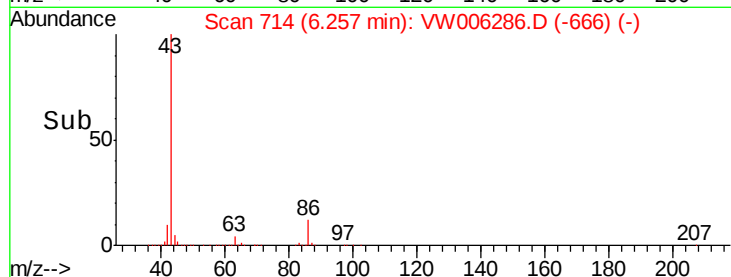
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 58.527 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

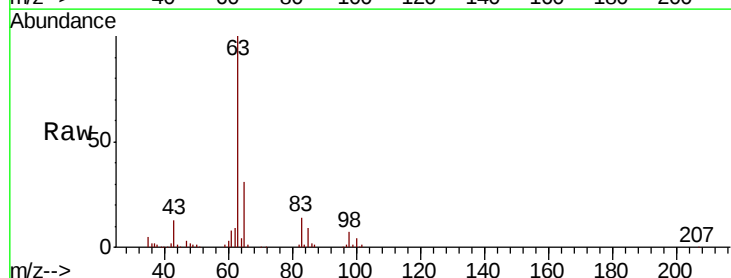
Tgt Ion: 63 Resp: 182444

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

100 4.4 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

80000

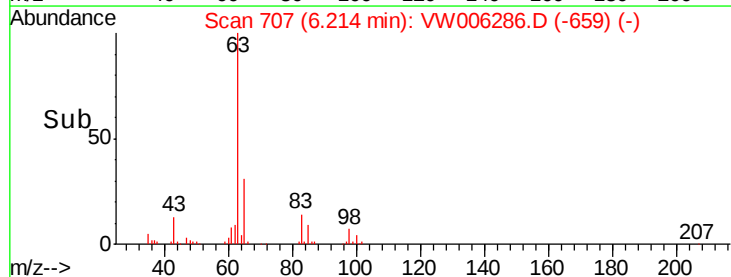
60000

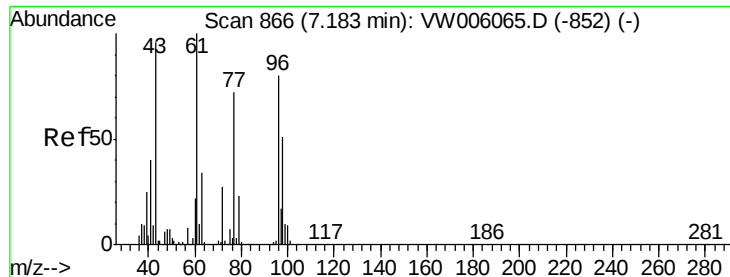
40000

20000

0

Time-->





#25

2-Butanone

Concen: 272.871 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

Tot Ion: 43 Resp: 125058

Ion Ratio Lower Upper

43 100

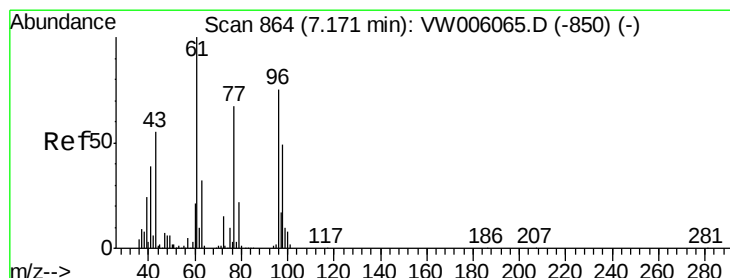
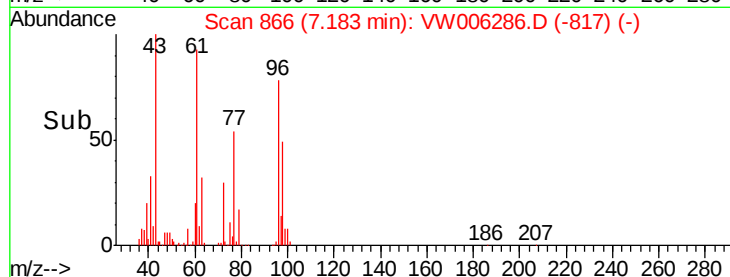
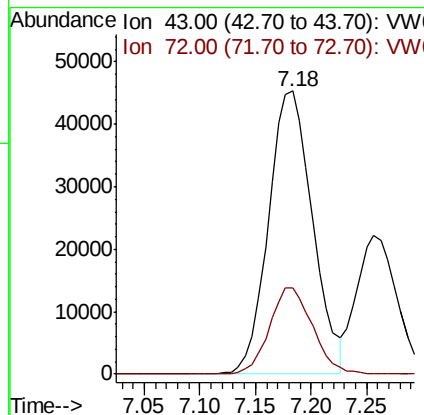
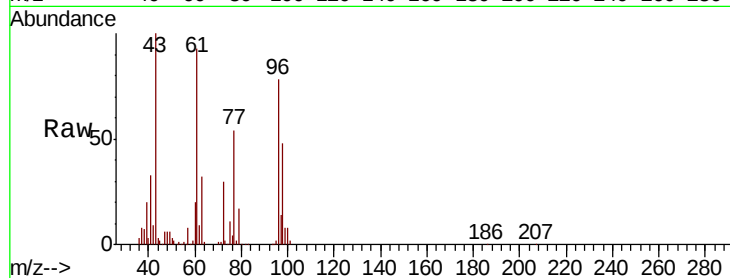
72 30.4 22.8 34.2

Manual Integrations

APPROVED

sam

10/24/2018 5:33:45 PM



#26

2,2-Dichloropropane

Concen: 42.521 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006286.D

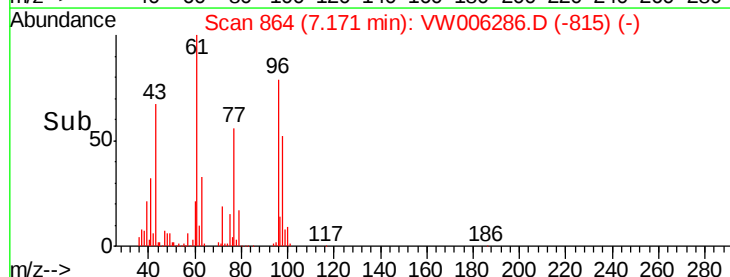
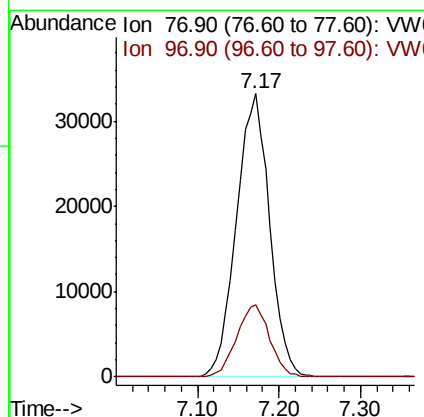
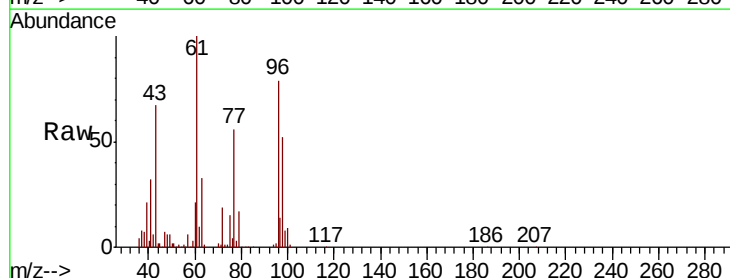
Acq: 23 Oct 2018 08:22

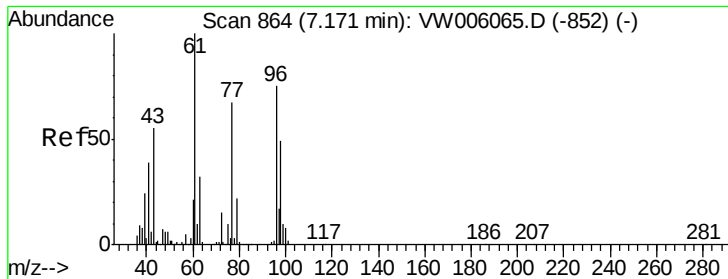
Tgt Ion: 77 Resp: 93486

Ion Ratio Lower Upper

77 100

97 25.0 12.2 36.4





#27

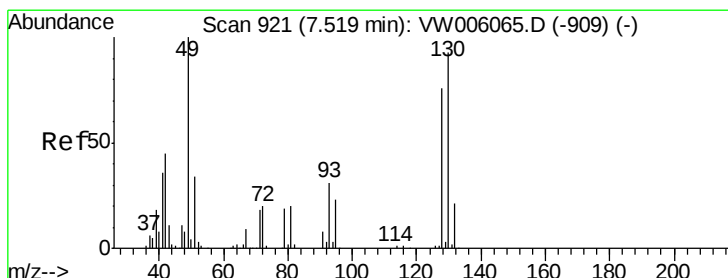
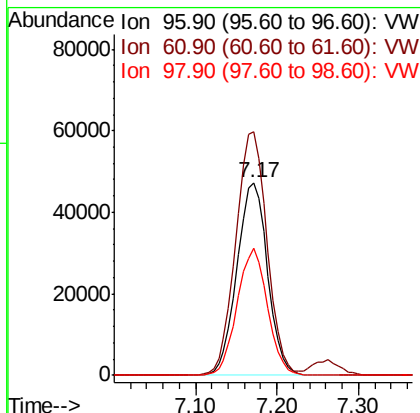
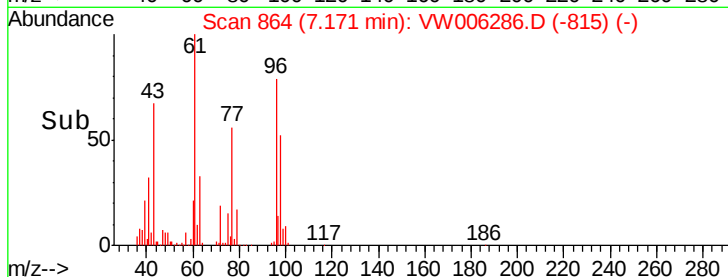
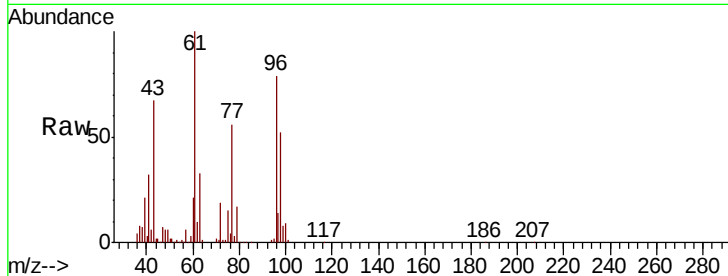
cis-1,2-Dichloroethene
Concen: 58.563 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.6	0.0	267.2
98	64.8	0.0	128.6

Manual Integrations
APPROVED

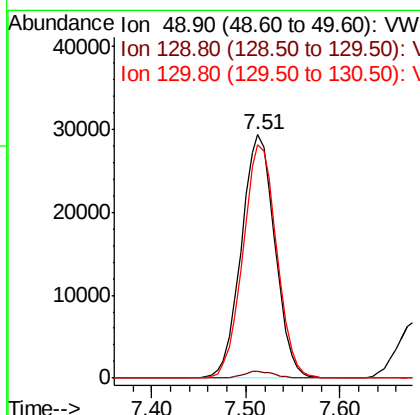
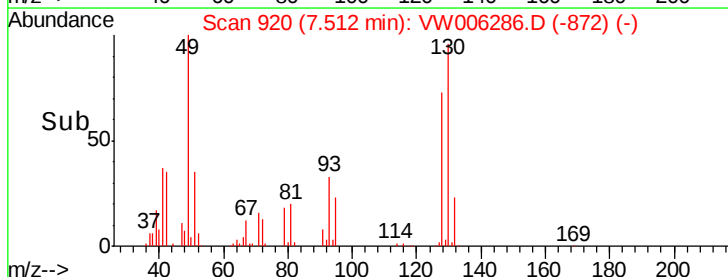
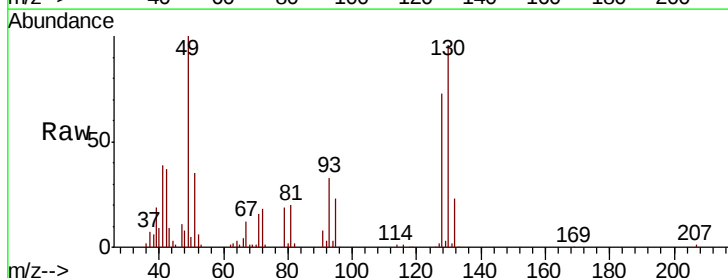
sam
10/24/2018 5:33:45 PM

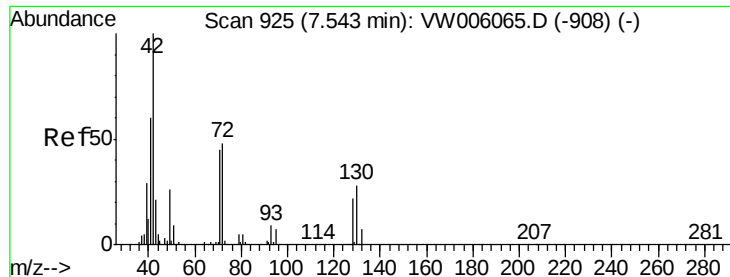


#28

Bromochloromethane
Concen: 60.991 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	96.2	73.8	110.8





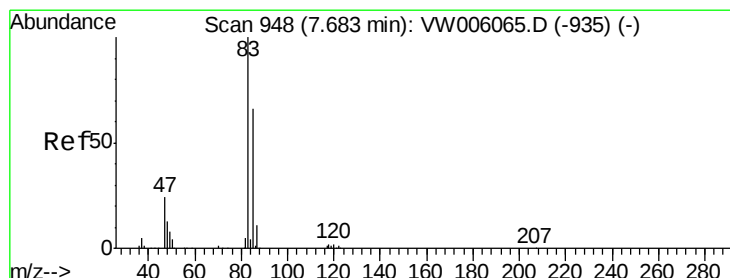
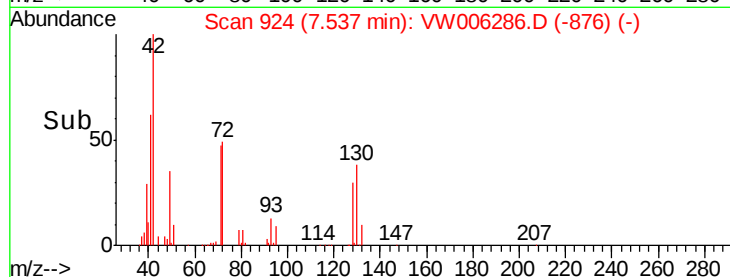
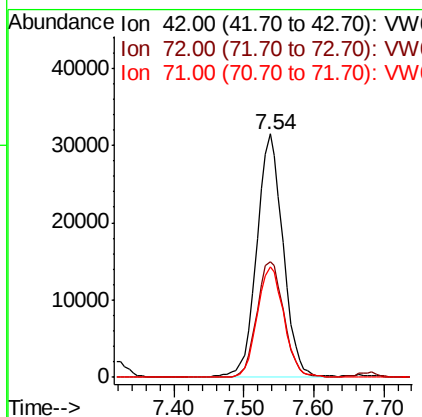
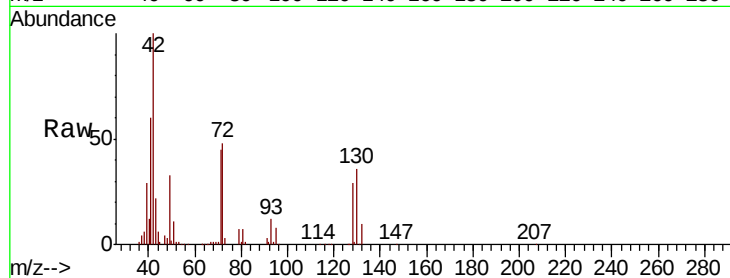
#29
Tetrahydrofuran
Concen: 292.199 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	38.0	57.0
71	46.0	35.3	52.9

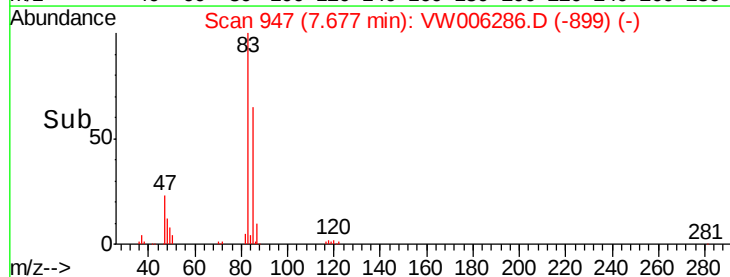
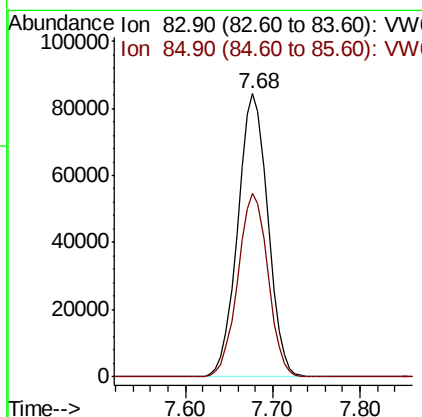
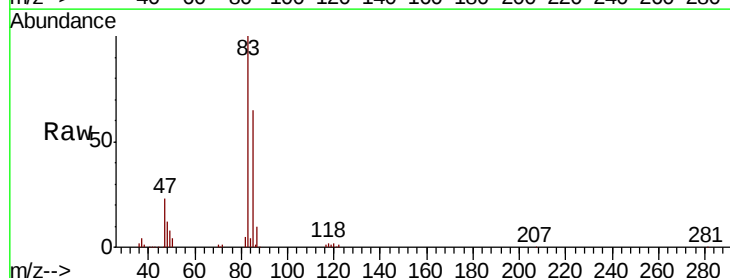
Manual Integrations
APPROVED

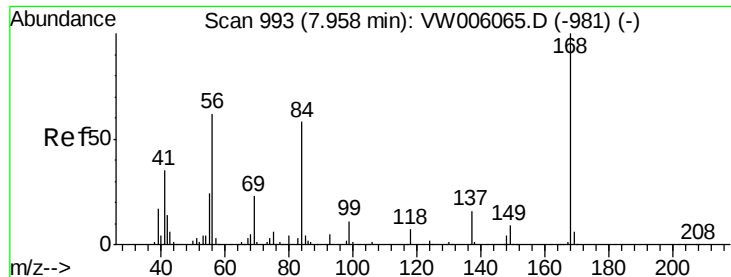
sam
10/24/2018 5:33:45 PM



#30
Chloroform
Concen: 59.361 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	79.0





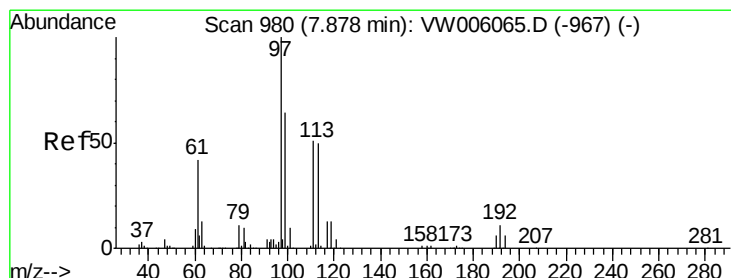
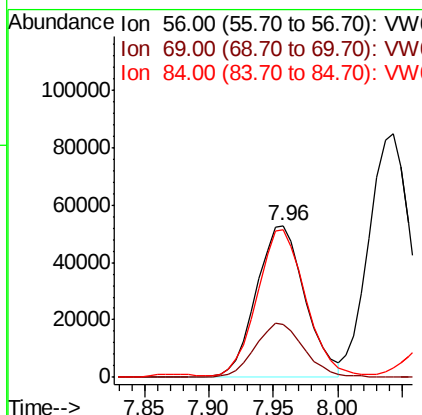
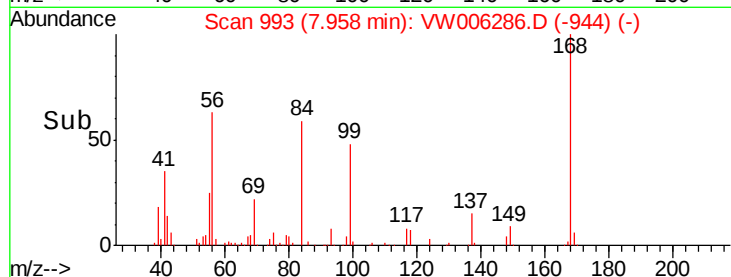
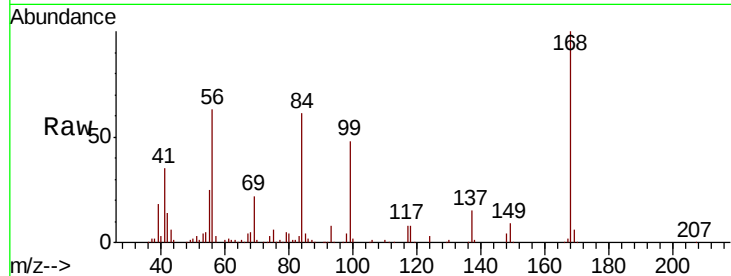
#31
Cvclohexane
Concen: 44.717 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	29.4	44.0
84	95.5	74.0	111.0

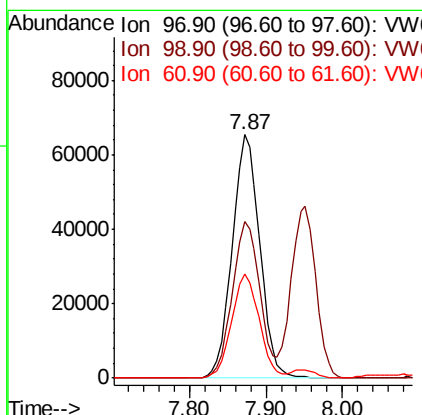
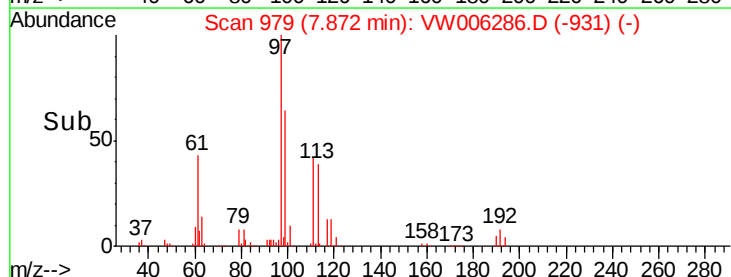
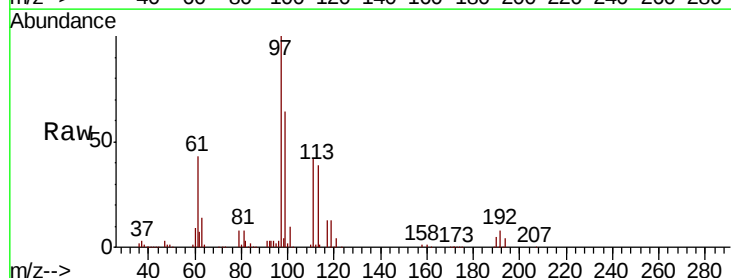
Manual Integrations
APPROVED

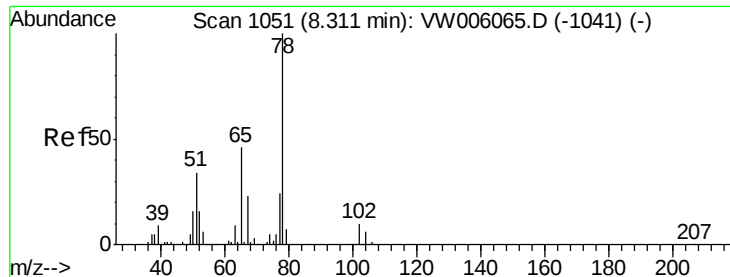
sam
10/24/2018 5:33:45 PM



#32
1,1,1-Trichloroethane
Concen: 53.153 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.9	76.3
61	43.0	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 52.373 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

Tot Ion: 65 Resp: 88850

Ion Ratio Lower Upper

65 100

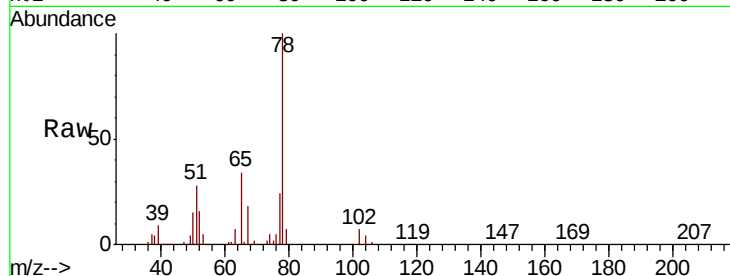
67 51.6 0.0 101.0

Manual Integrations

APPROVED

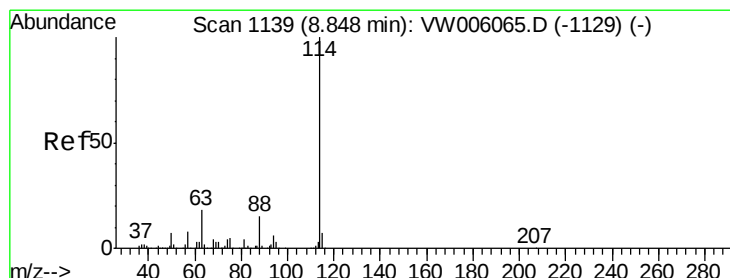
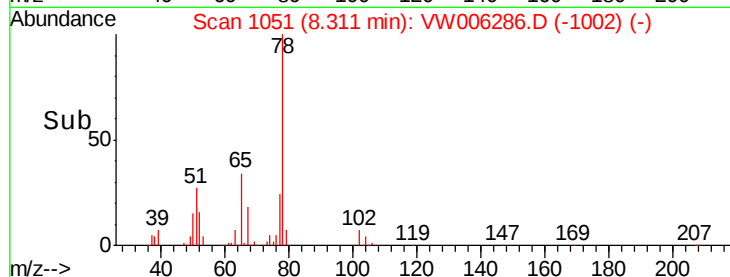
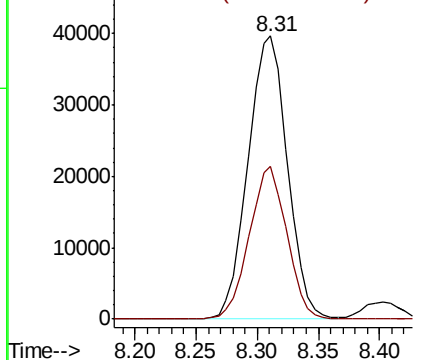
sam

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

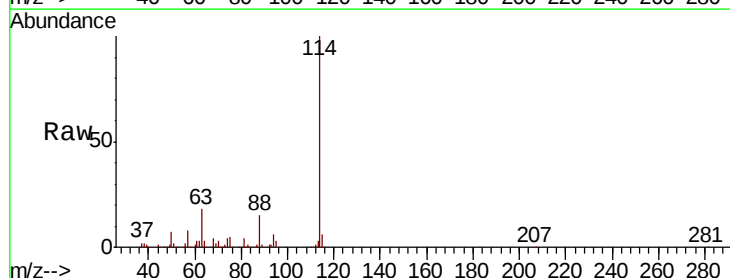
Tgt Ion: 114 Resp: 313875

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

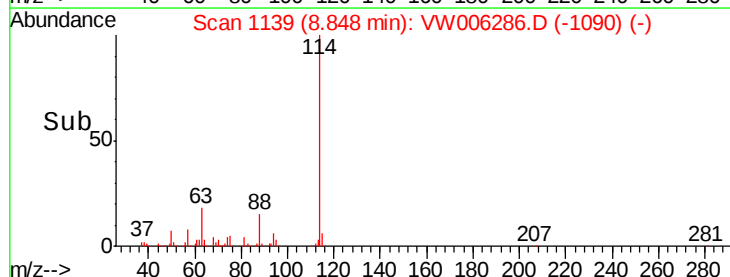
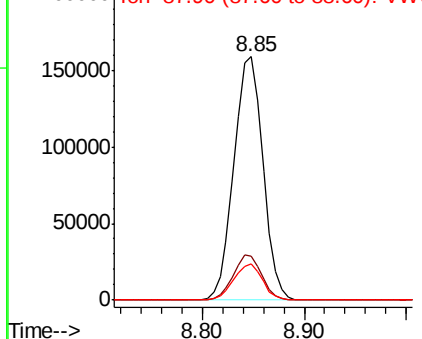
88 14.8 0.0 29.0

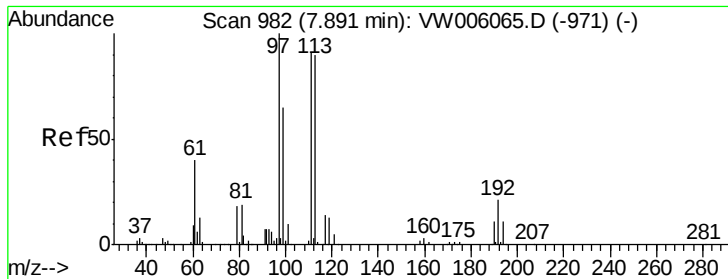


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 49.491 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

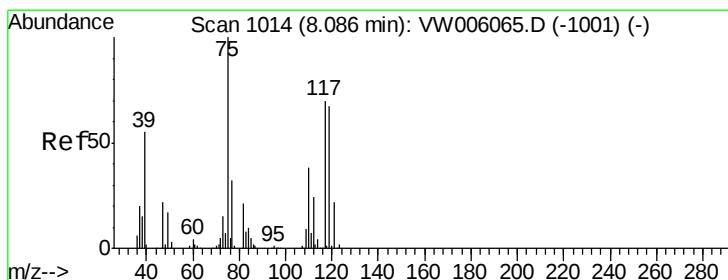
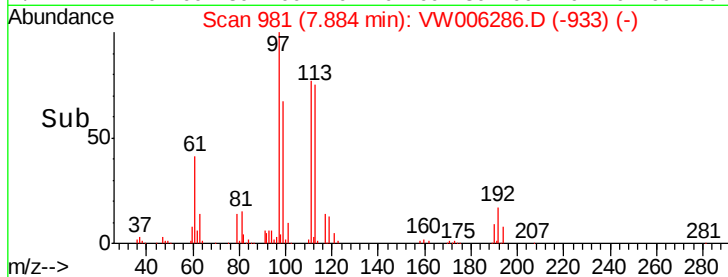
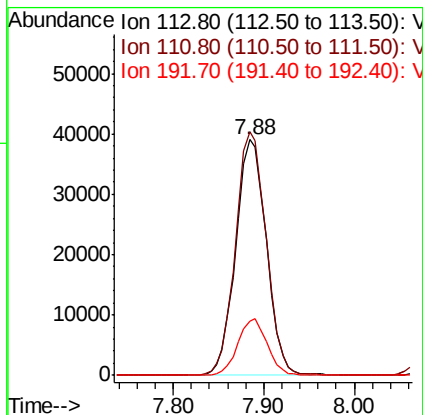
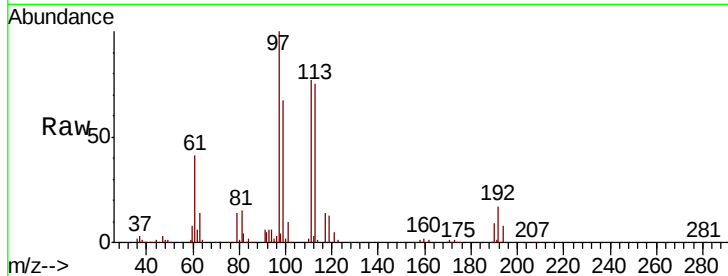
ClientSampleId :

PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	23.1	18.7	28.1

Manual Integrations
APPROVED

sam
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#36

1,1-Dichloropropene

Concen: 50.607 ug/l

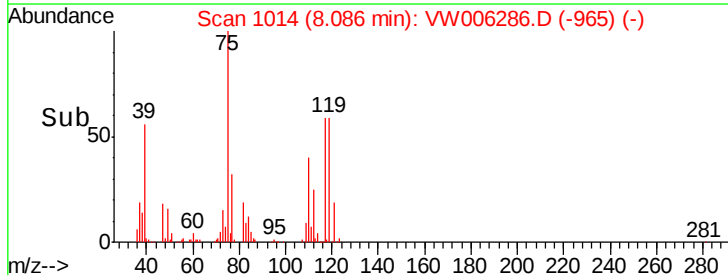
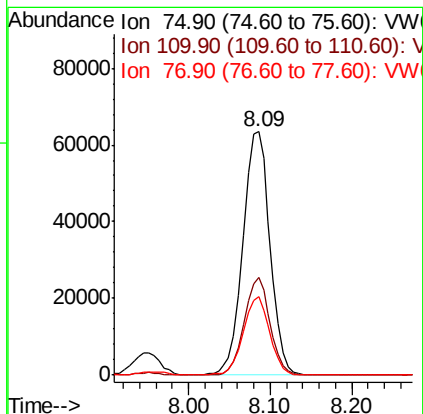
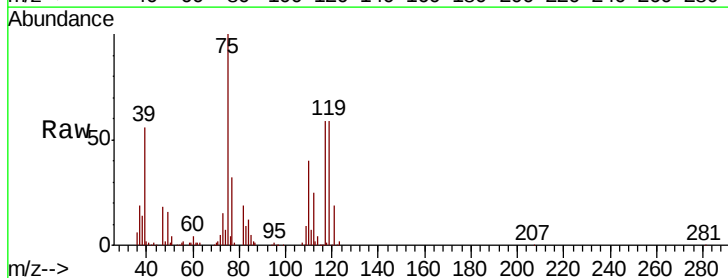
RT: 8.09 min Scan# 1014

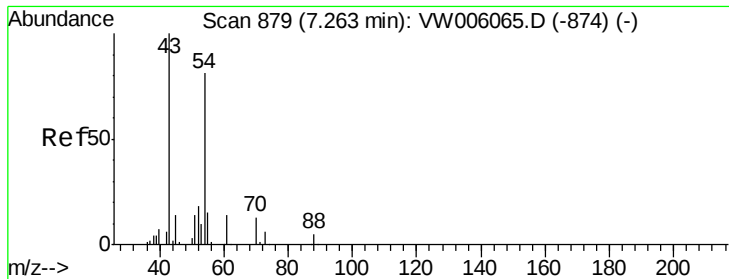
Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	19.1	57.1
77	31.4	25.0	37.4





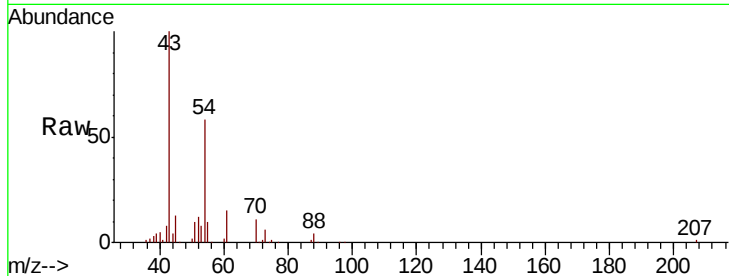
#37
Ethyl Acetate
Concen: 53.548 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.5	17.3
70	11.1	9.2	13.8

Manual Integrations
APPROVED

sam
10/24/2018 5:33:45 PM

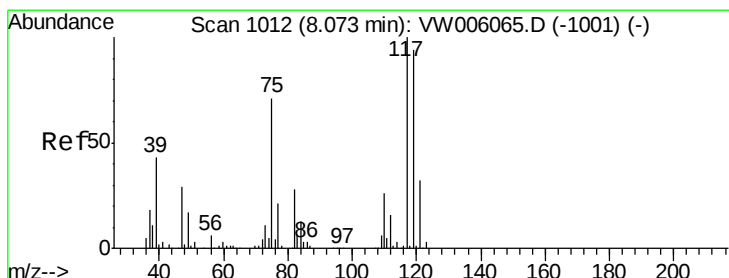
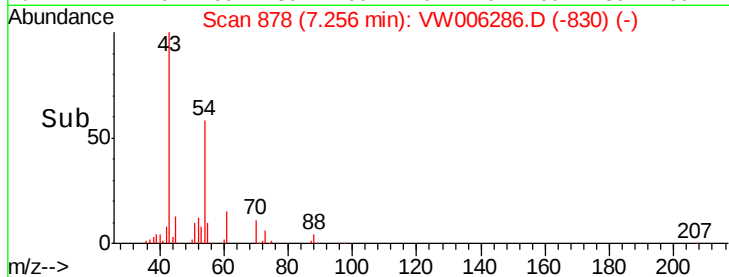
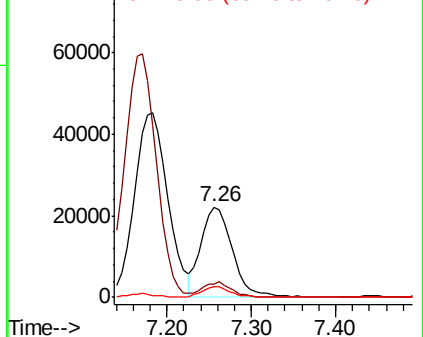


Abundance

Ion 43.00 (42.70 to 43.70): VW

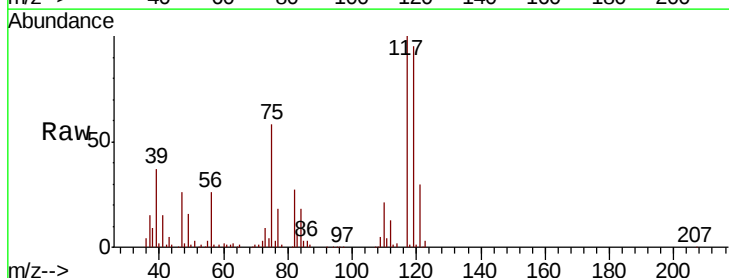
Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38
Carbon Tetrachloride
Concen: 47.632 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.2	112.8
121	30.1	25.3	37.9

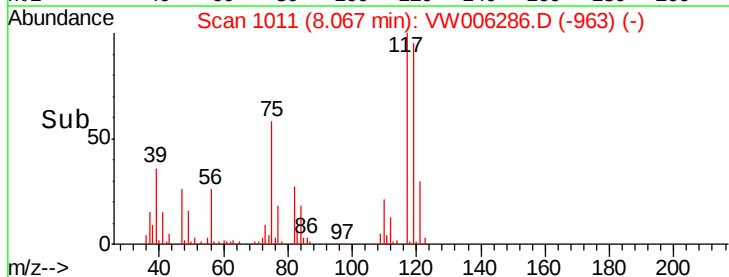
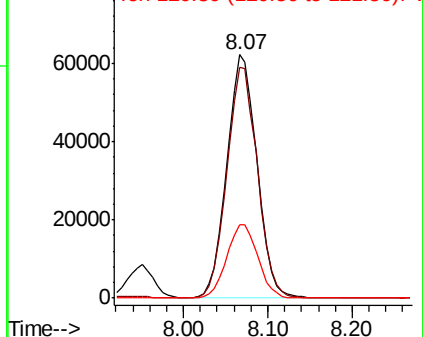


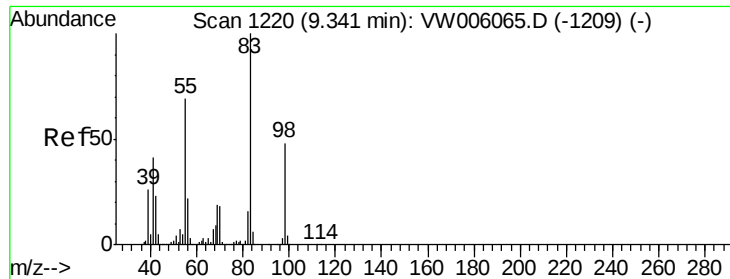
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





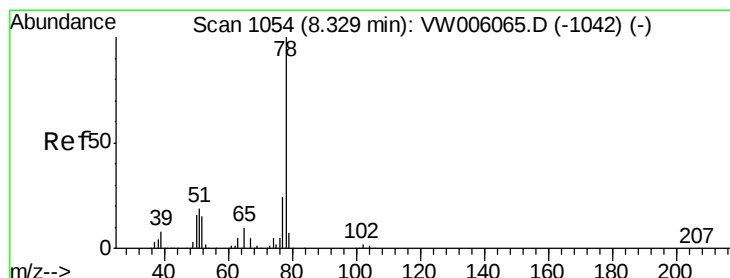
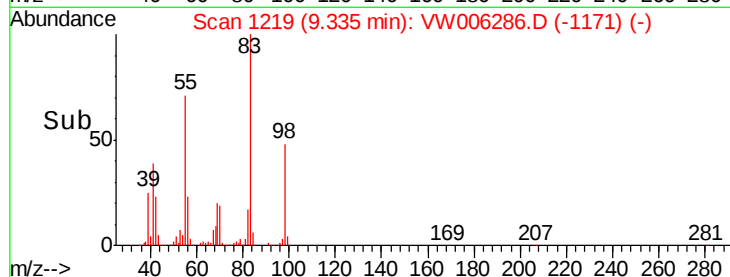
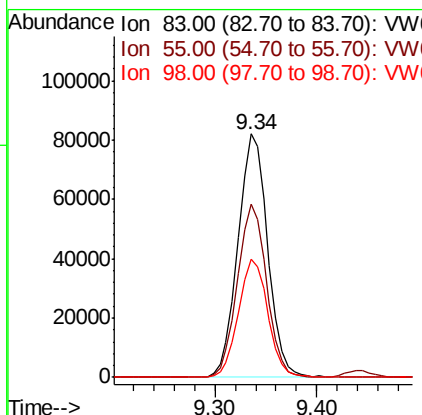
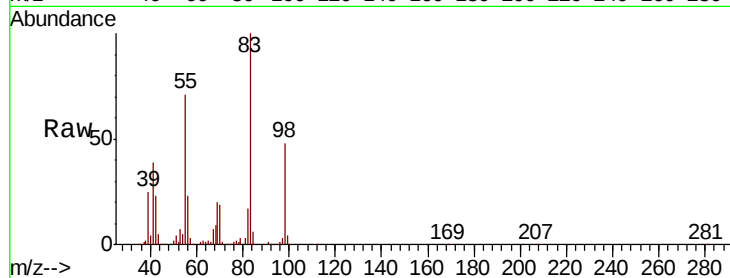
#39
Methvlcvclohexane
Concen: 43.100 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	55.0	82.6
98	48.4	38.6	57.8

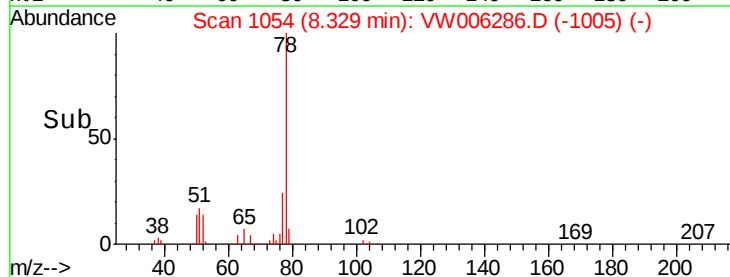
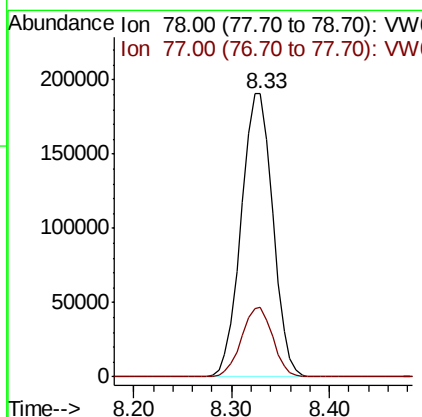
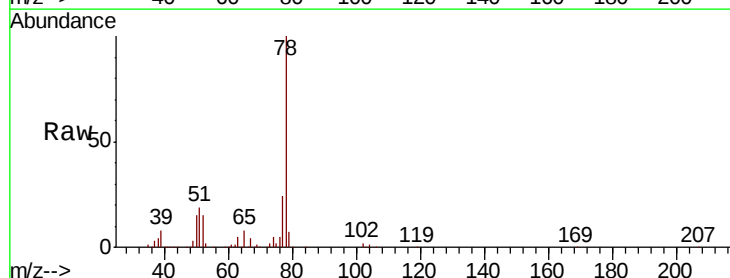
Manual Integrations
APPROVED

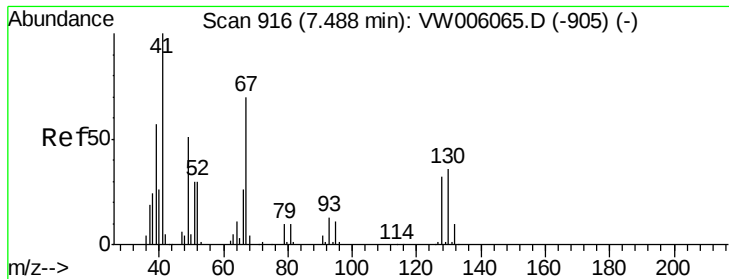
sam
10/24/2018 5:33:45 PM



#40
Benzene
Concen: 54.125 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0





#41

Methacrylonitrile

Concen: 52.886 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

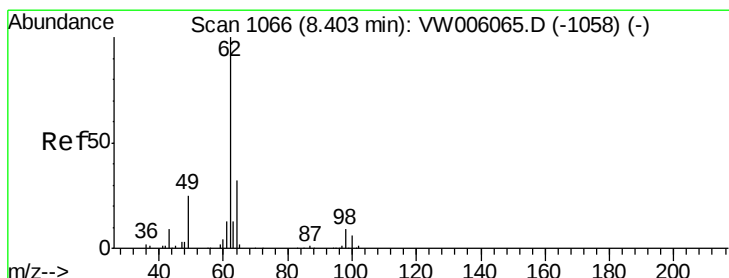
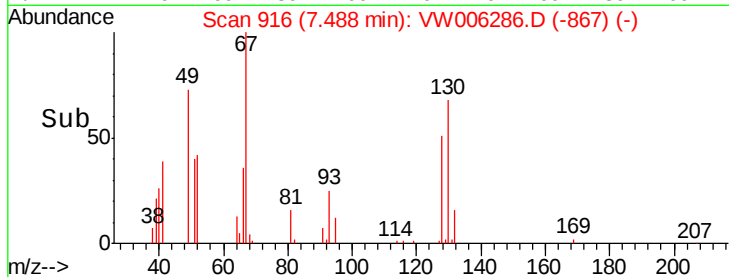
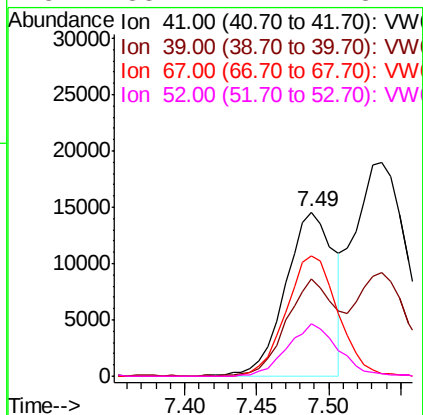
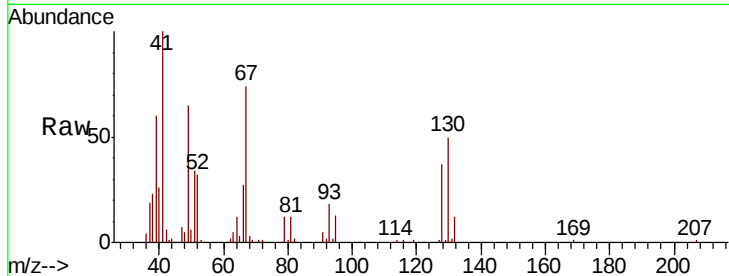
ClientSampleId :

PA-SED-01MS

Tot Ion:	41	Resp:	34269
Ion	Ratio	Lower	Upper
41	100		
39	63.4	46.2	69.4
67	77.8	57.7	86.5
52	33.2	24.7	37.1

Manual Integrations
APPROVED

sam
10/24/2018 5:33:45 PM



#42

1,2-Dichloroethane

Concen: 55.931 ug/l

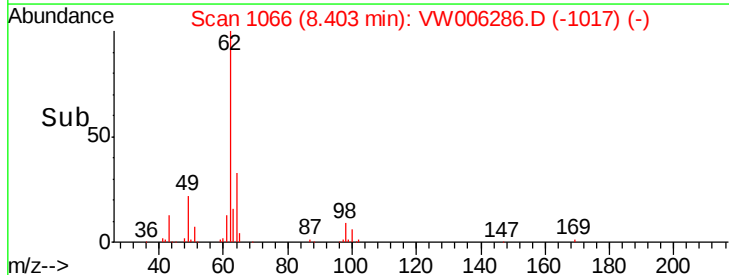
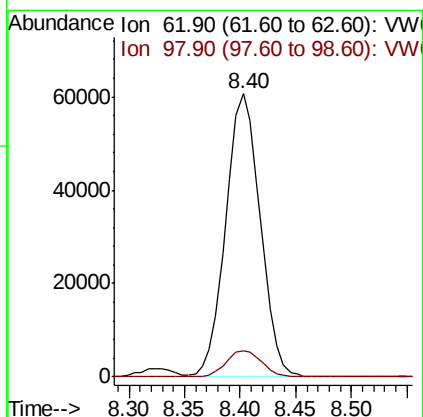
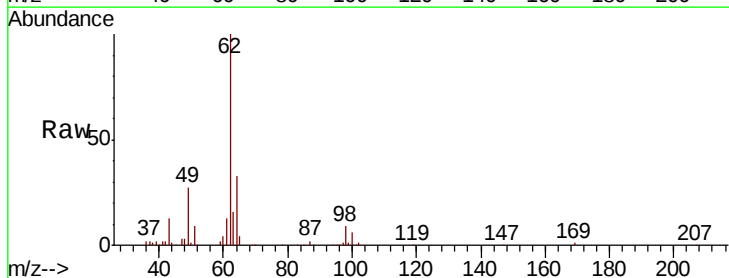
RT: 8.40 min Scan# 1066

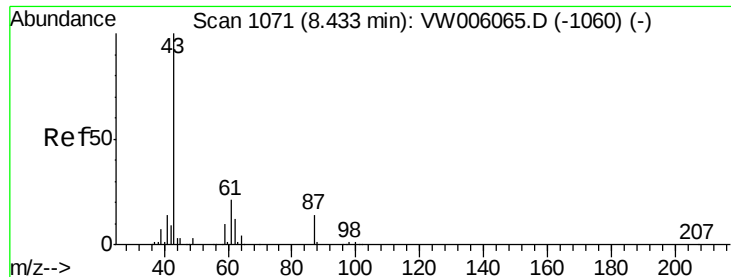
Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Tgt Ion:	62	Resp:	130407
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





#43

Isopropyl Acetate

Concen: 52.915 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

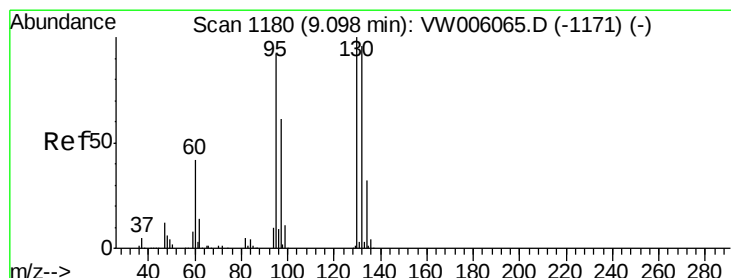
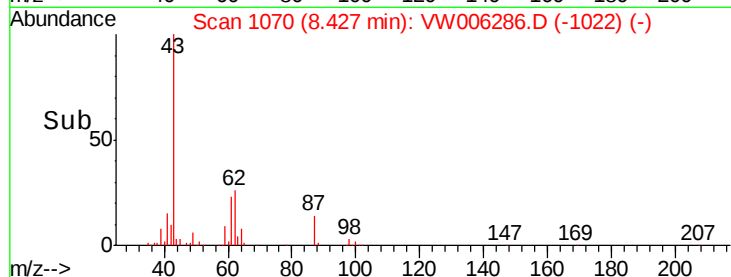
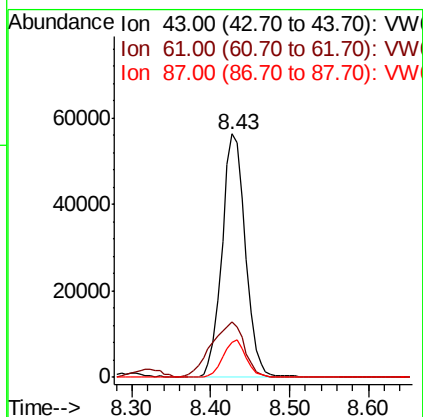
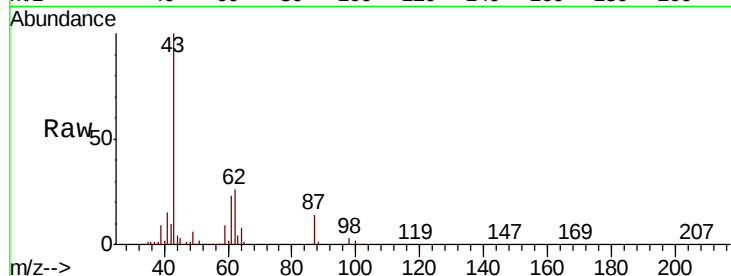
ClientSampleId :

PA-SED-01MS

Tot Ion:	43	Resp:	116294
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.5	38.3
87	15.1	11.7	17.5

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#44

Trichloroethene

Concen: 52.379 ug/l

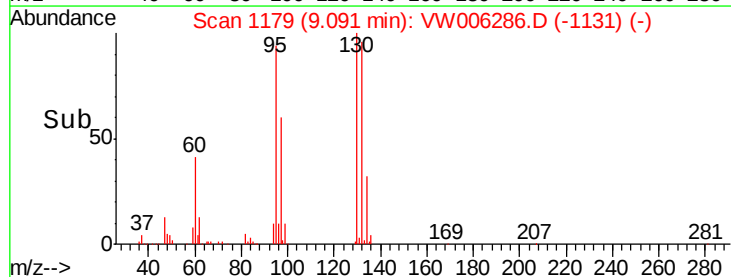
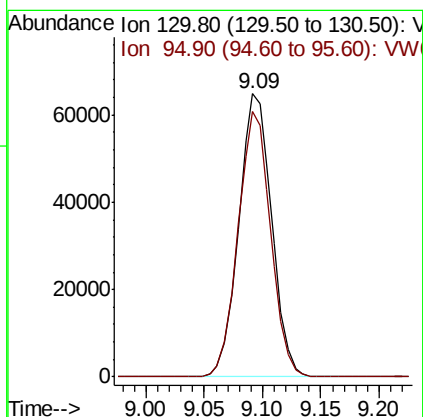
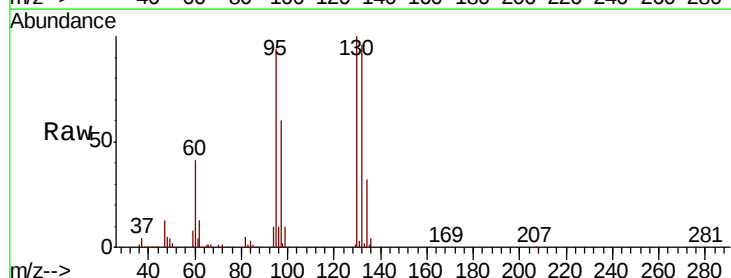
RT: 9.09 min Scan# 1179

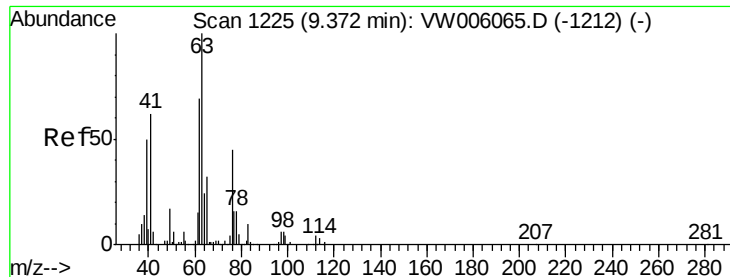
Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Tgt Ion:	130	Resp:	127528
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	183.2





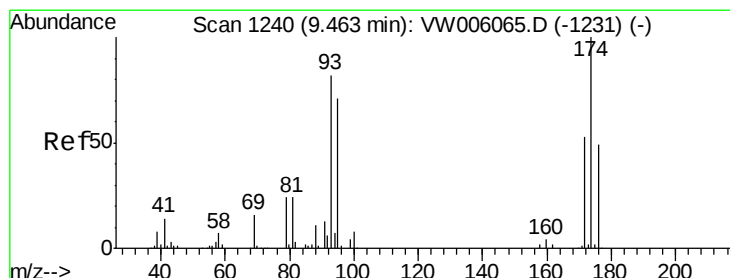
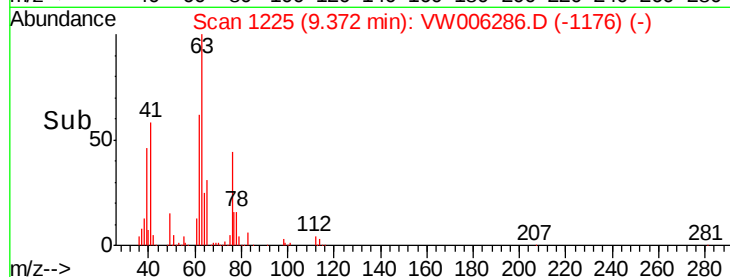
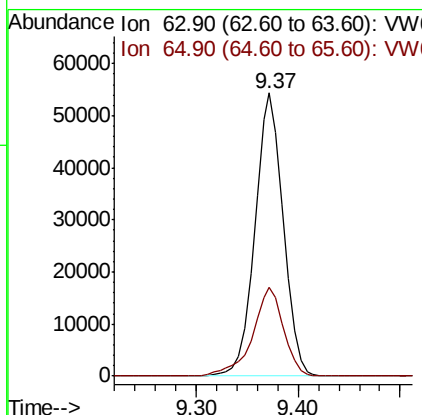
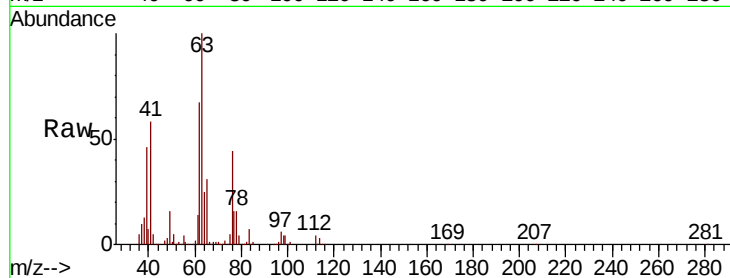
#45
 1,2-Dichloropropane
 Concen: 55.121 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion: 63 Resp: 104674
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.4 38.0

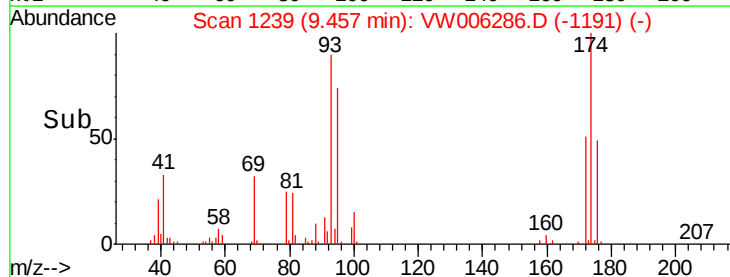
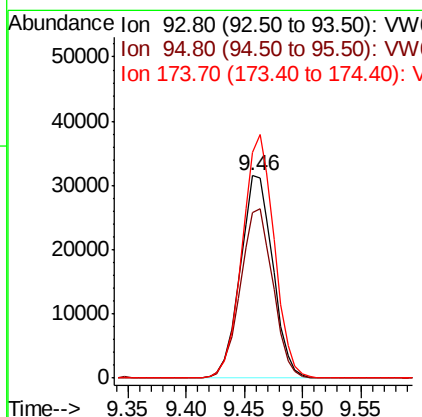
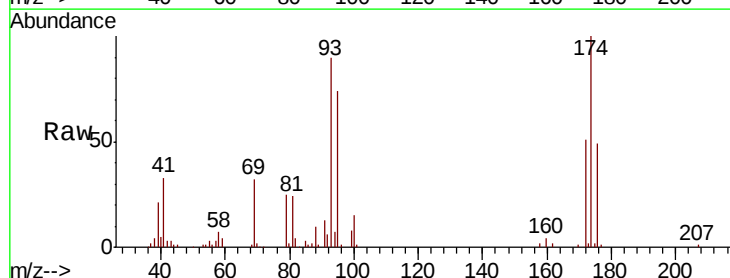
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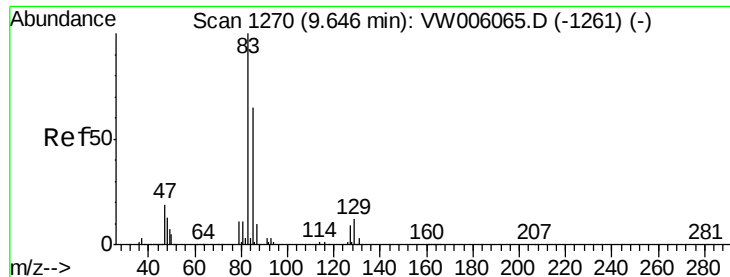
sam
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#46
 Dibromomethane
 Concen: 56.926 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion: 93 Resp: 61613
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.7 101.5
 174 117.7 93.7 140.5





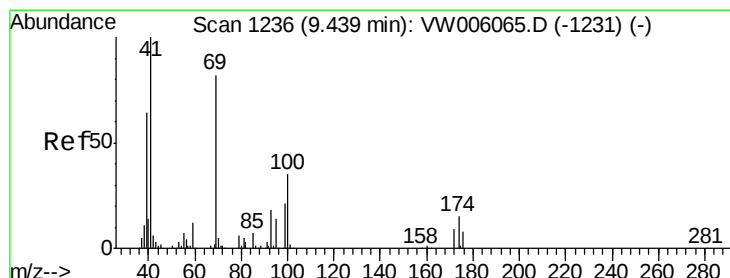
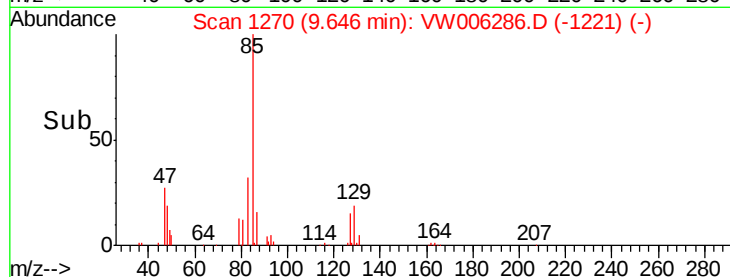
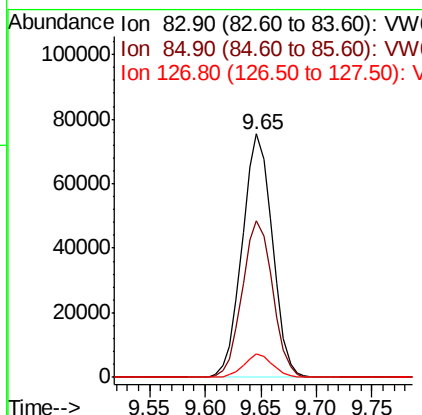
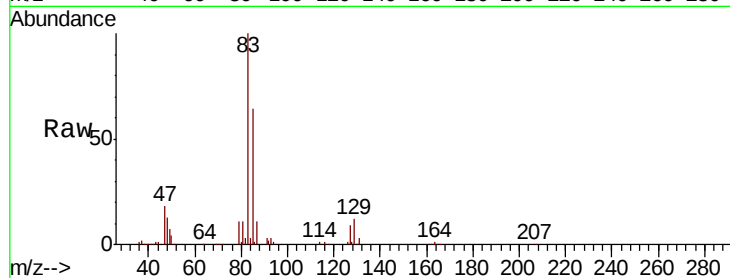
#47
Bromodichloromethane
Concen: 54.085 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	141924		
85	64.2	51.8	77.8	
127	9.5	6.9	10.3	

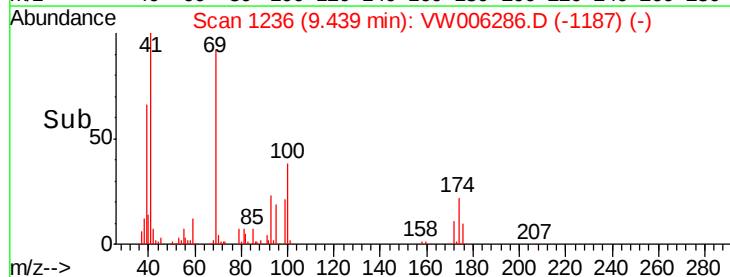
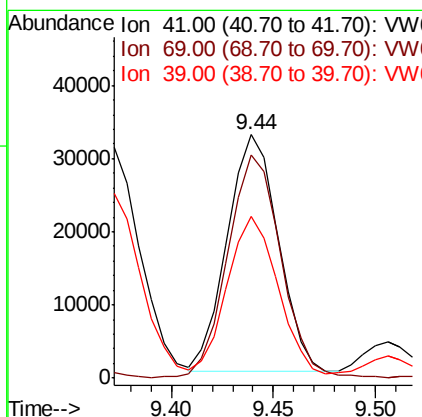
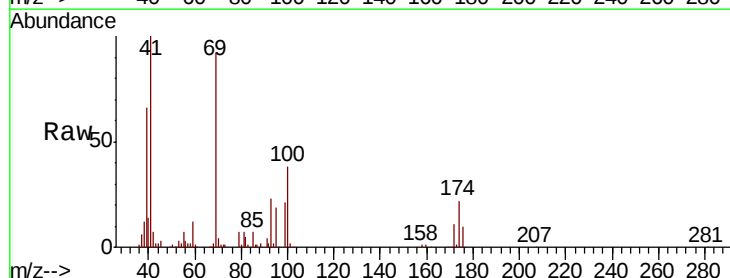
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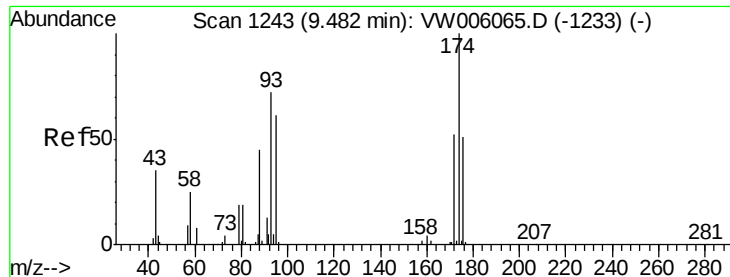
sam
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#48
Methyl methacrylate
Concen: 53.879 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	56129		
69	97.6	71.8	107.8	
39	69.6	52.5	78.7	





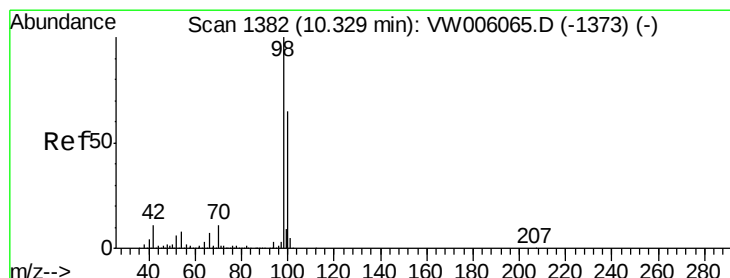
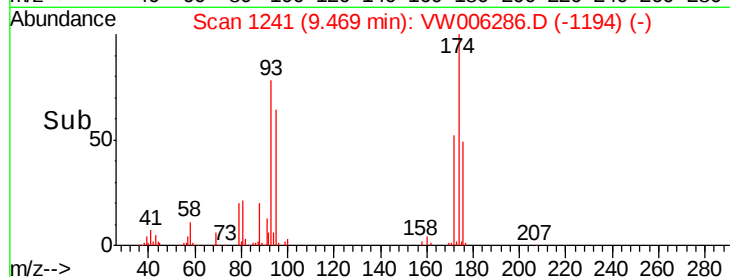
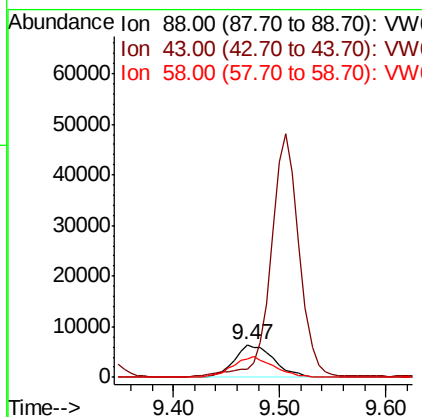
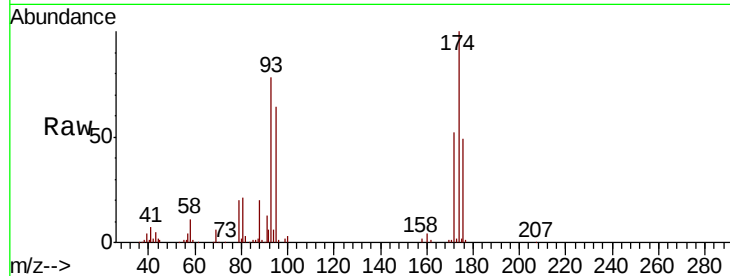
#49
1,4-Dioxane
Concen: 1007.850 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	88	Resp	16793
Ion Ratio	Lower	Upper	
88	100		
43	0.0	0.0	0.0
58	66.8	51.2	76.8

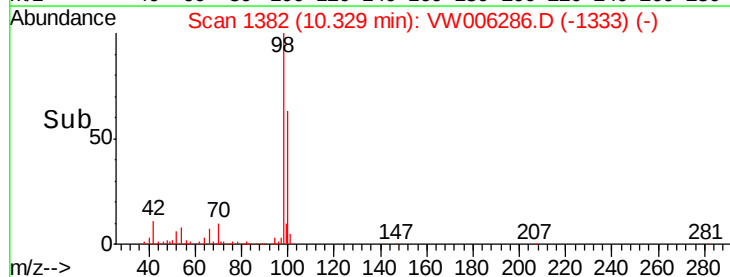
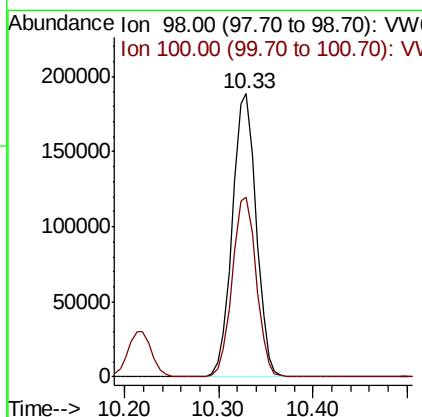
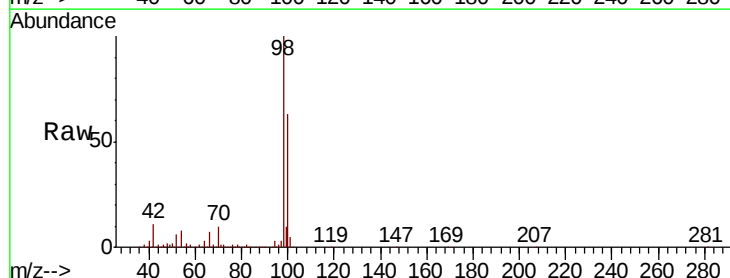
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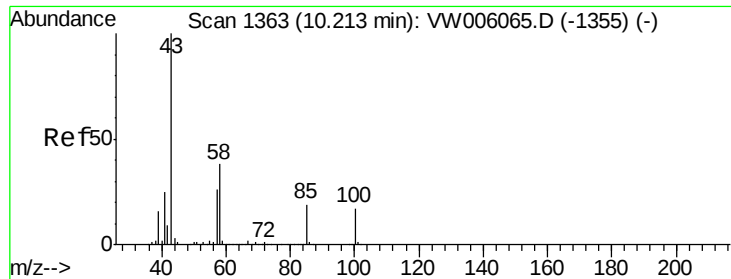
sam
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#50
Toluene-d8
Concen: 46.973 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	98	Resp	331450
Ion Ratio	Lower	Upper	
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 275.813 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

Tot Ion: 43 Resp: 303712

Ion Ratio Lower Upper

43 100

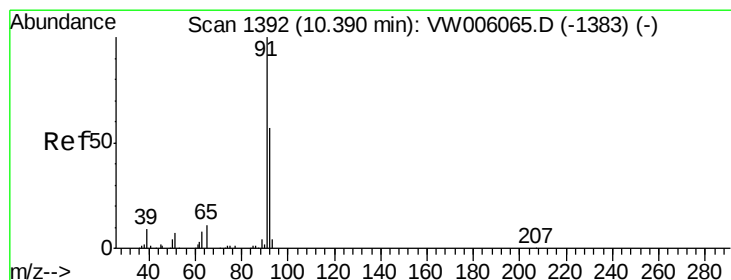
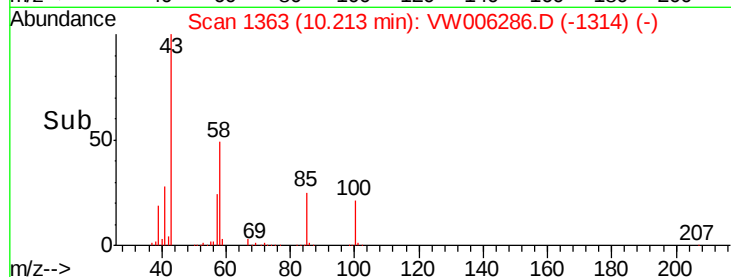
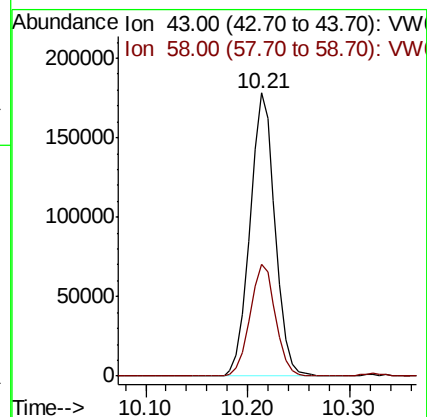
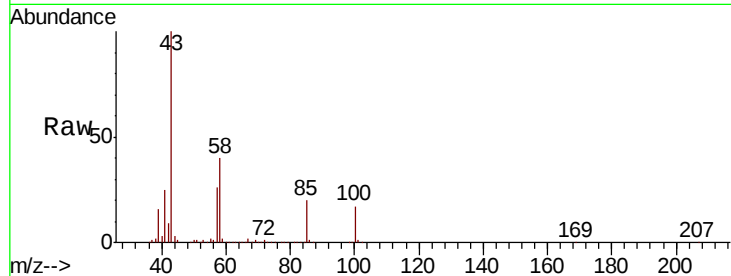
58 40.3 31.5 47.3

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#52

Toluene

Concen: 53.475 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006286.D

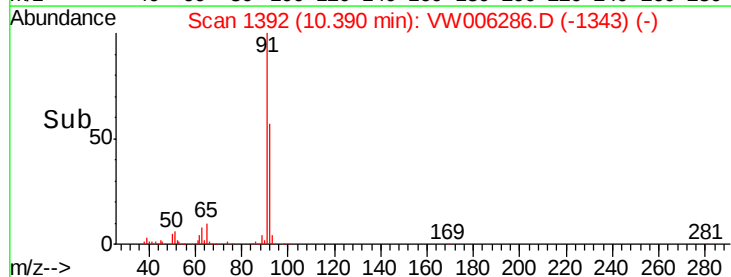
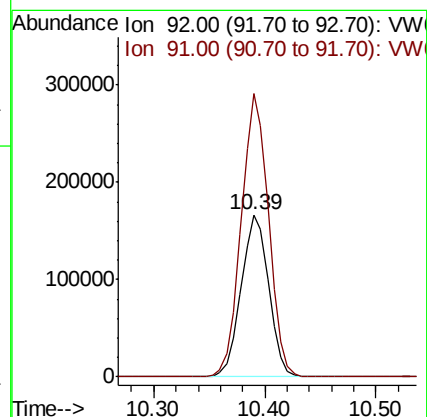
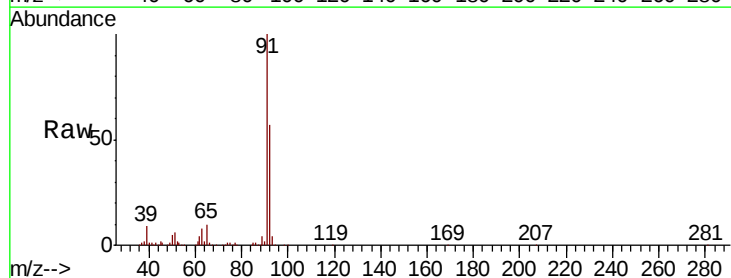
Acq: 23 Oct 2018 08:22

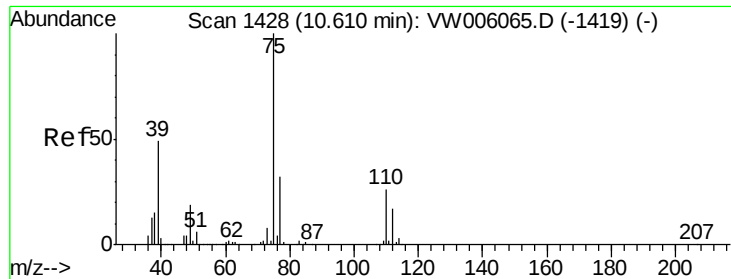
Tgt Ion: 92 Resp: 284508

Ion Ratio Lower Upper

92 100

91 173.3 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 50.756 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

Tot Ion: 75 Resp: 132697

Ion Ratio Lower Upper

75 100

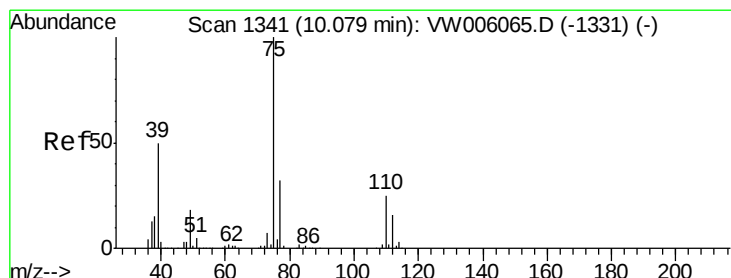
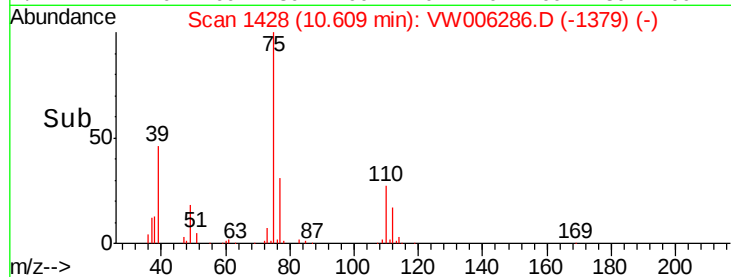
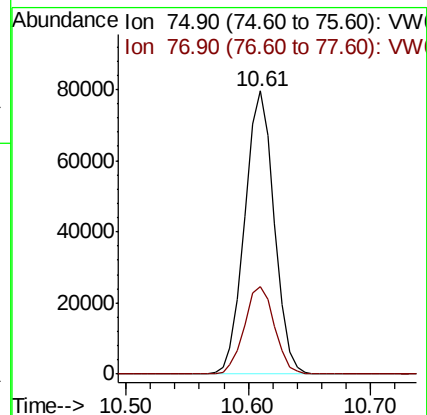
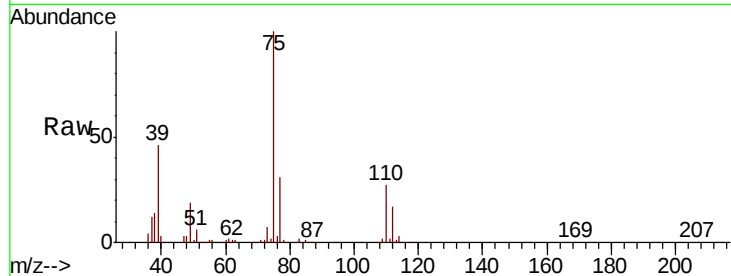
77 30.8 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.547 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

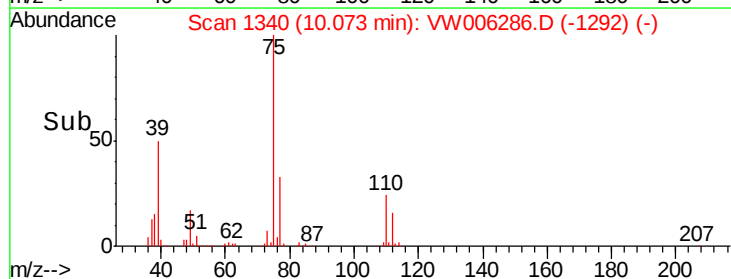
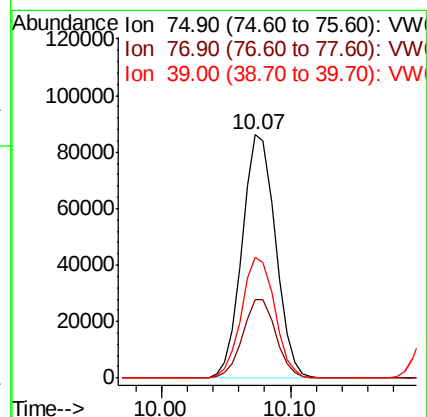
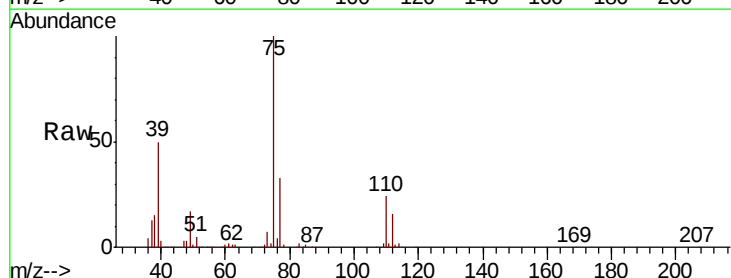
Tgt Ion: 75 Resp: 154671

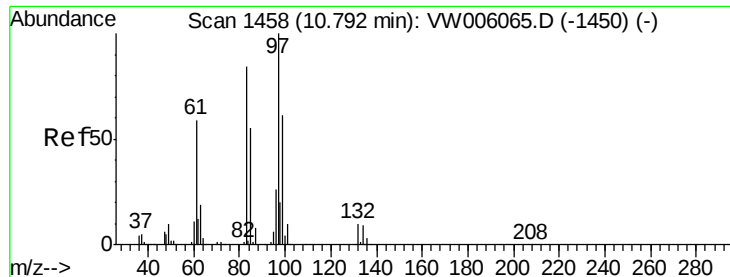
Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8

39 49.6 39.9 59.9





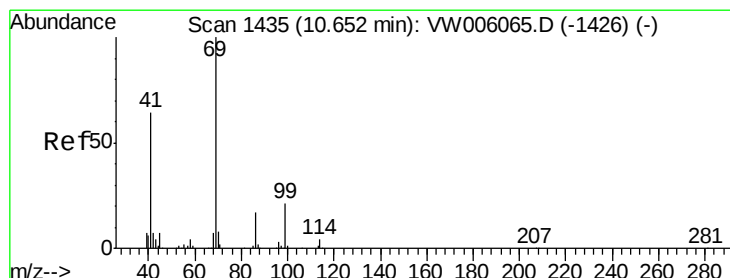
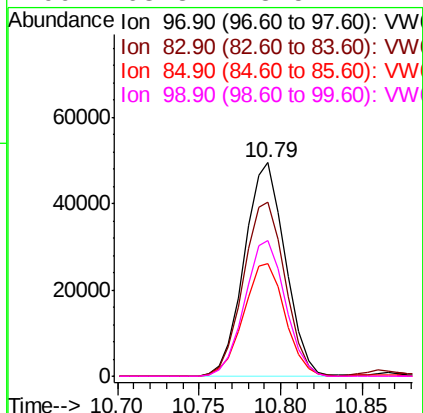
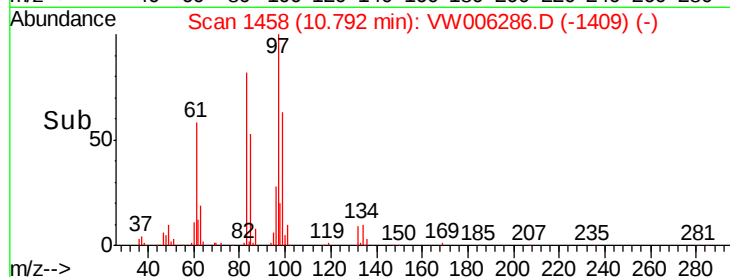
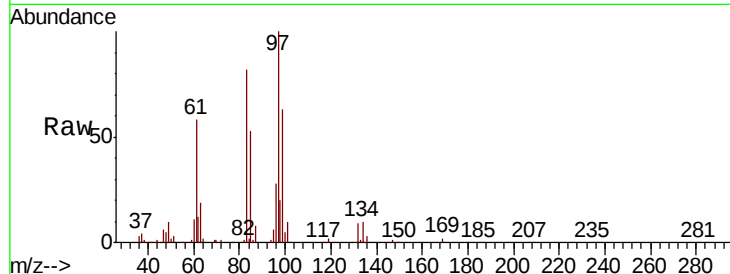
#55
 1,1,2-Trichloroethane
 Concen: 57.093 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion:	97	Resp:	86474
Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.2	100.8
85	52.6	43.7	65.5
99	63.3	48.5	72.7

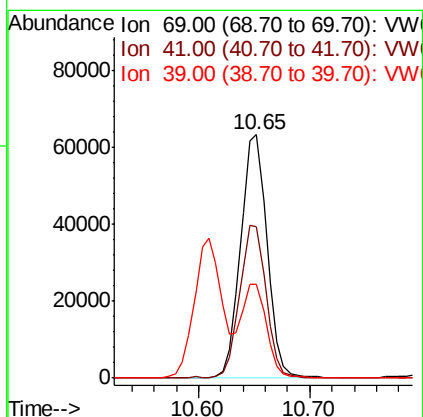
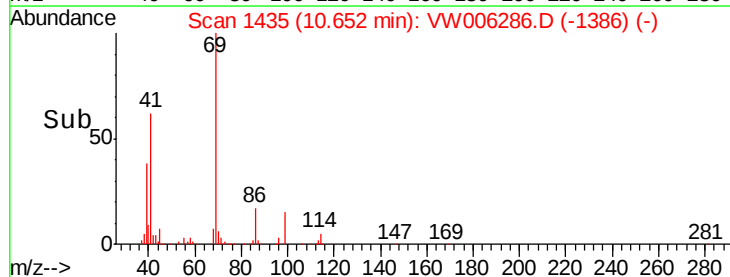
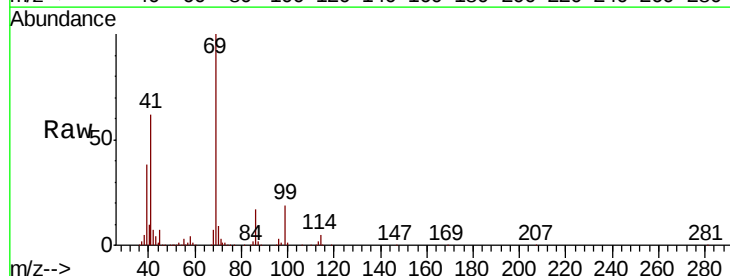
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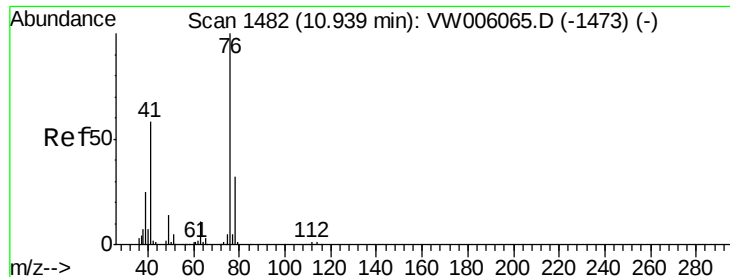
sam
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#56
 Ethyl methacrylate
 Concen: 55.706 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion:	69	Resp:	103435
Ion	Ratio	Lower	Upper
69	100		
41	64.1	52.8	79.2
39	38.4	30.6	45.8





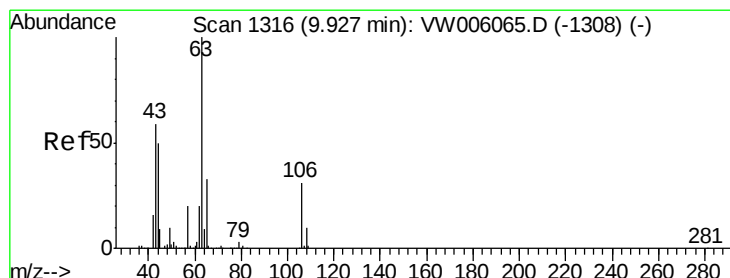
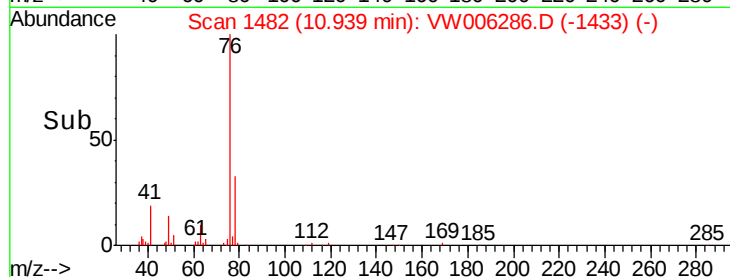
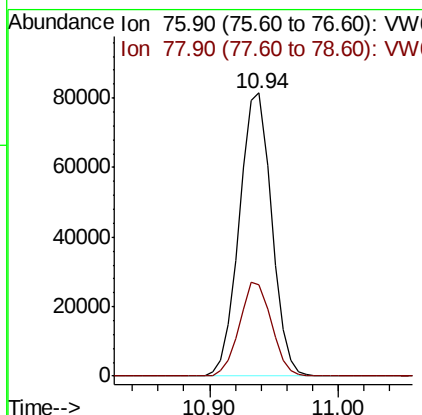
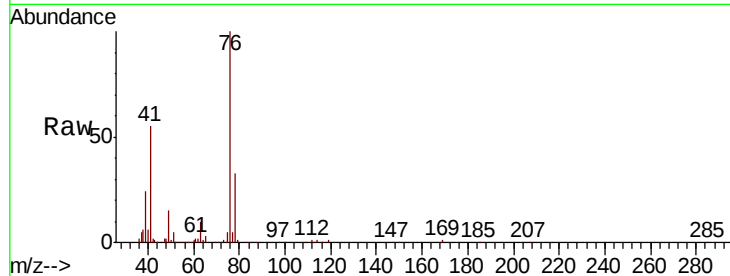
#57
 1,3-Dichloropropane
 Concen: 56.493 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.9	38.9

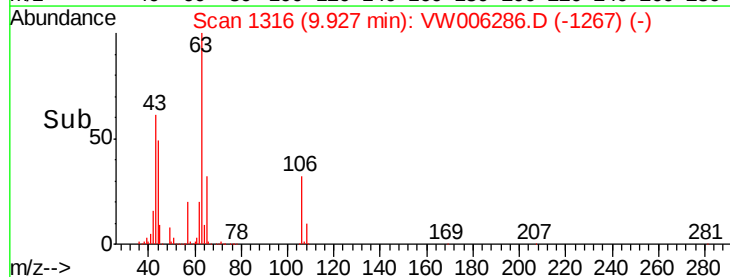
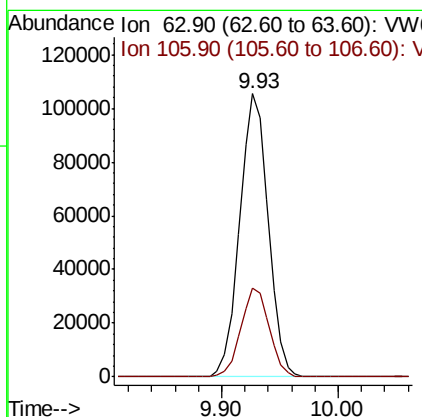
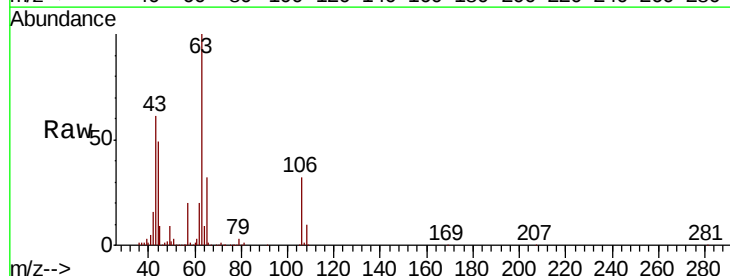
Manual Integrations
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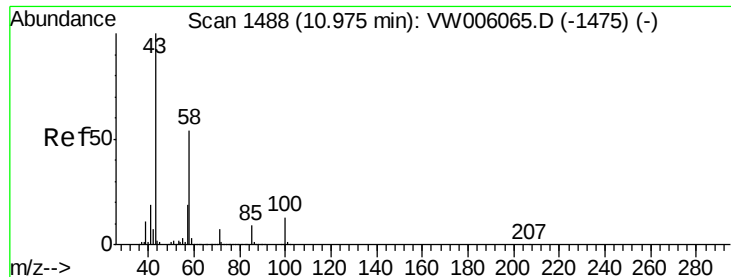
sam
 10/24/2018 5:33:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.768 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	24.5	36.7





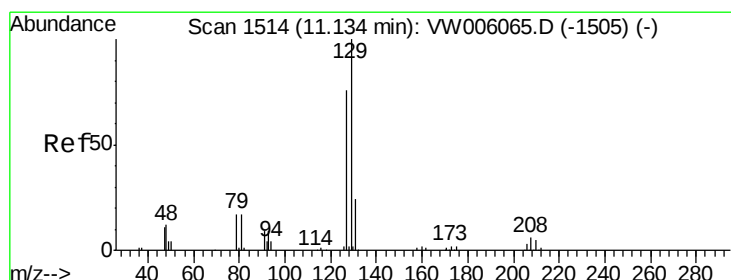
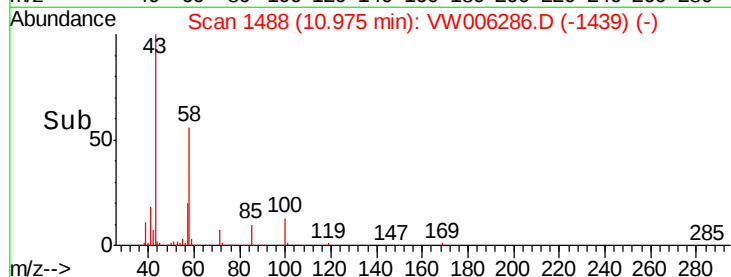
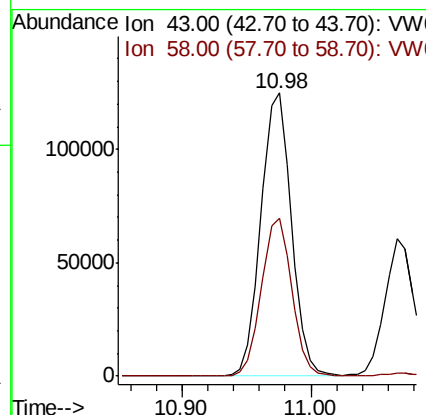
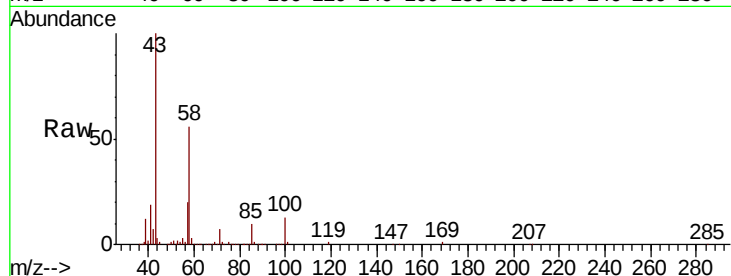
#59
2-Hexanone
Concen: 260.110 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion: 43 Resp: 204457
Ion Ratio Lower Upper
43 100
58 55.8 26.9 80.6

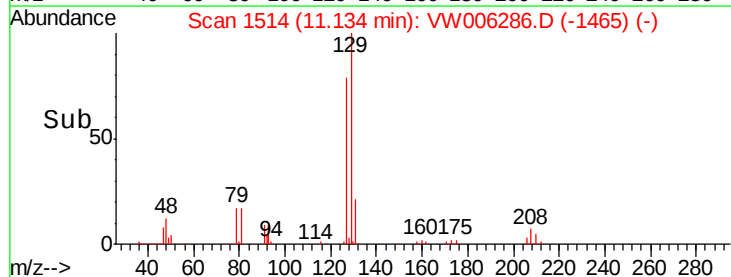
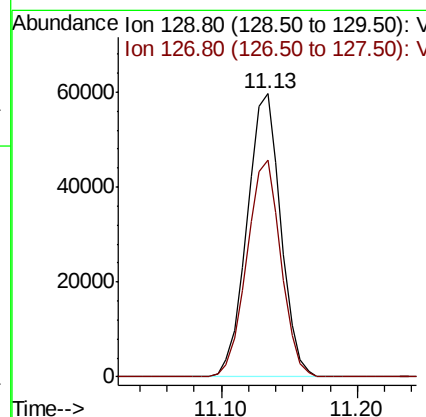
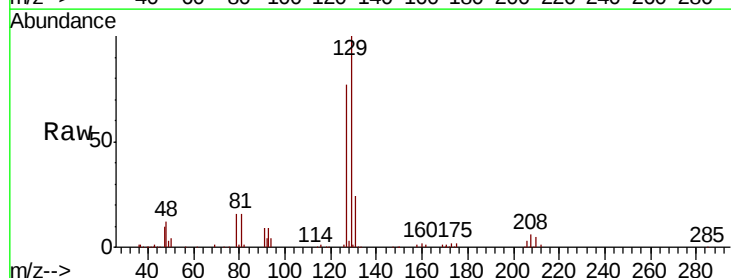
Manual Integrations
APPROVED

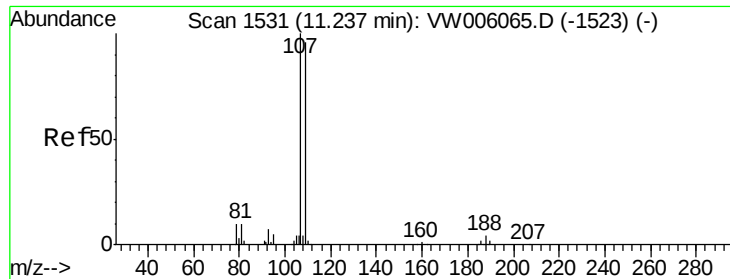
sam
10/24/2018 5:33:45 PM



#60
Dibromochloromethane
Concen: 54.852 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion: 129 Resp: 103484
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 56.933 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

Tot Ion: 107 Resp: 86161

Ion Ratio Lower Upper

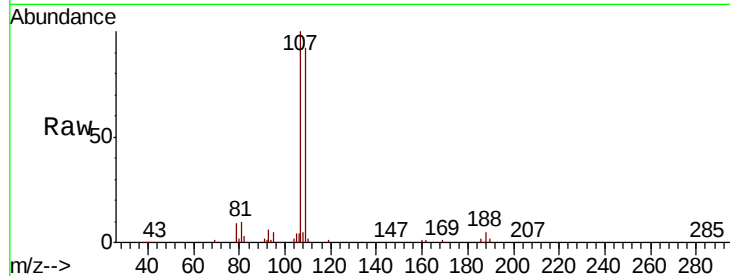
107 100

109 94.2 76.3 114.5

Manual Integrations
APPROVED

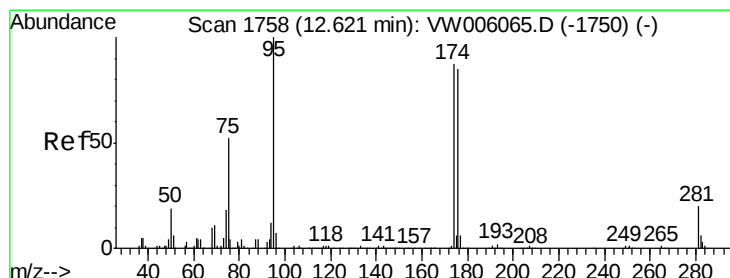
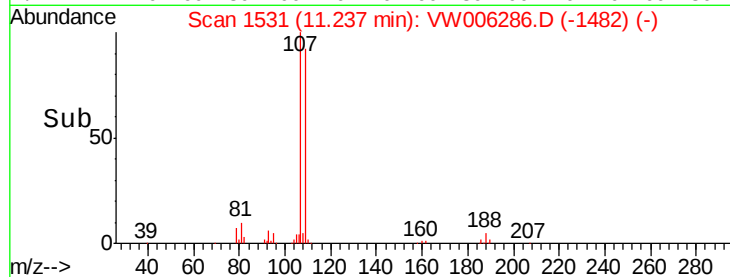
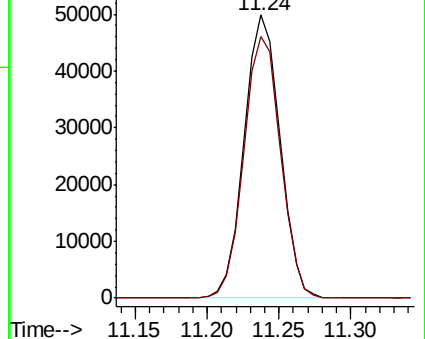
sam

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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: 47.955 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

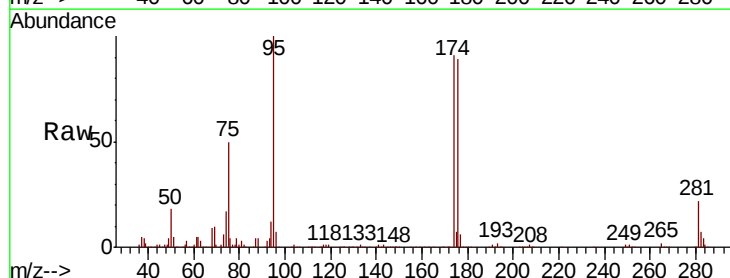
Tgt Ion: 95 Resp: 127089

Ion Ratio Lower Upper

95 100

174 94.5 0.0 186.0

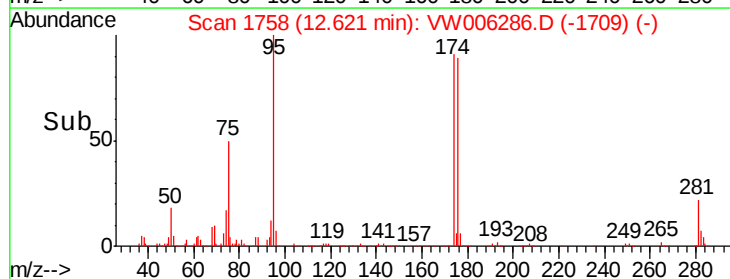
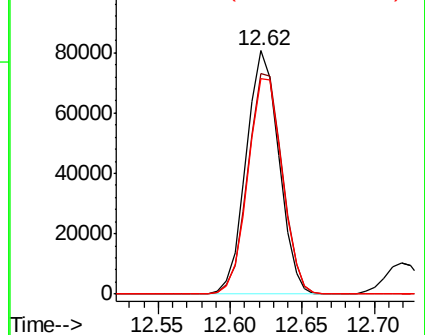
176 92.5 0.0 181.6

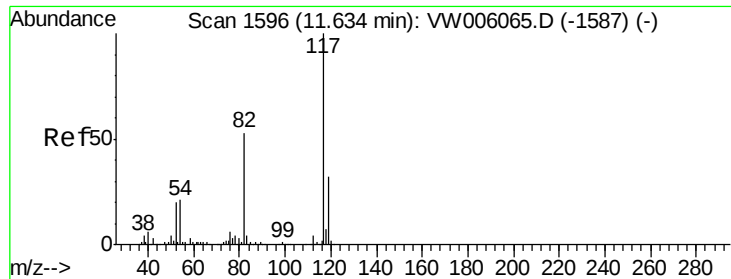


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





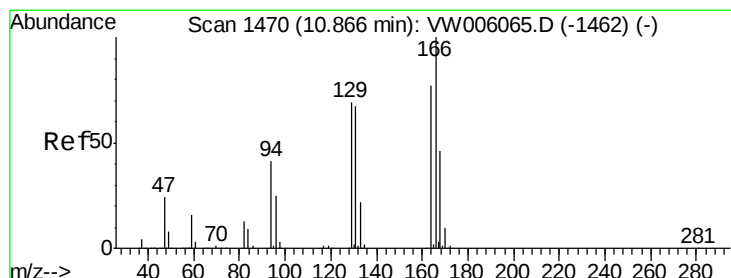
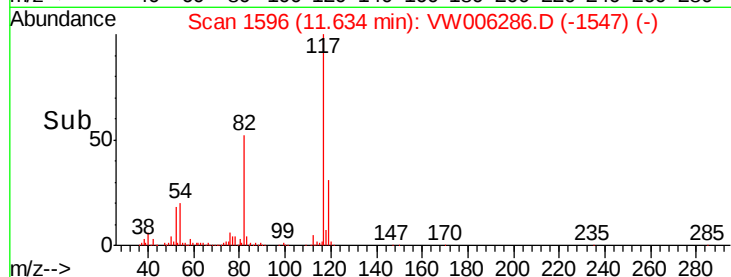
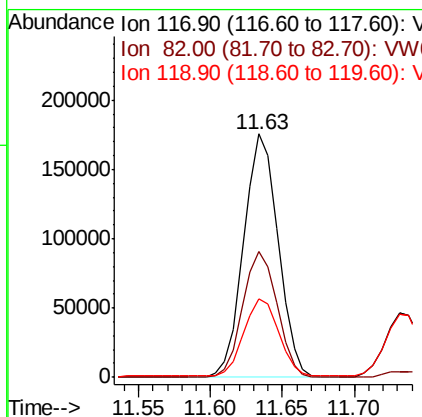
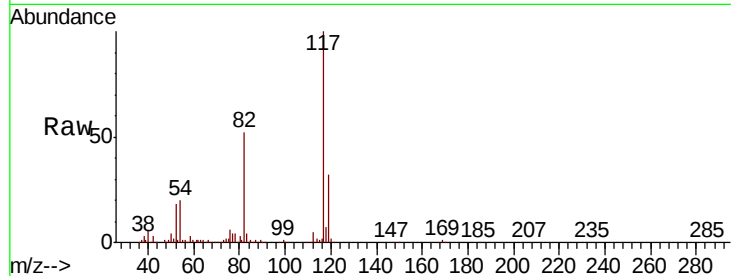
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	290060		
82	51.7	42.1	63.1	
119	31.5	25.8	38.6	

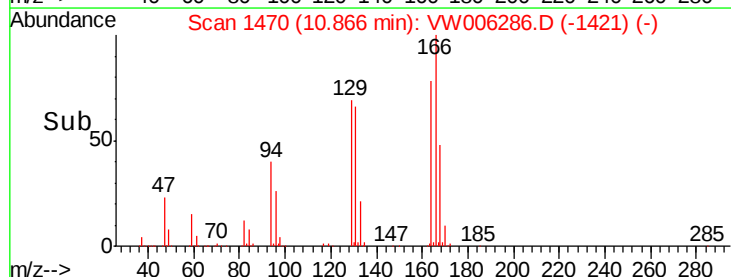
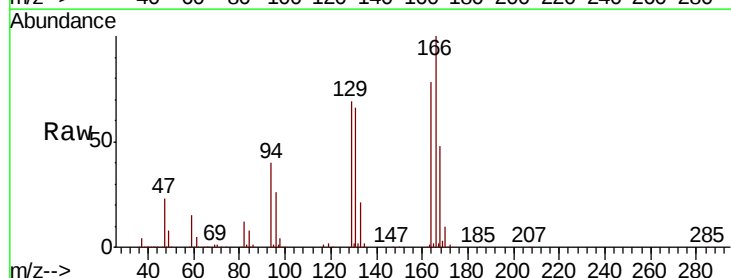
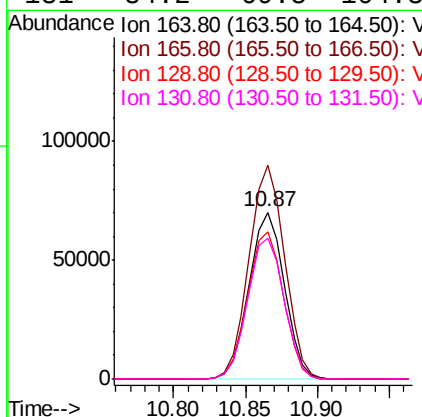
Manual Integrations
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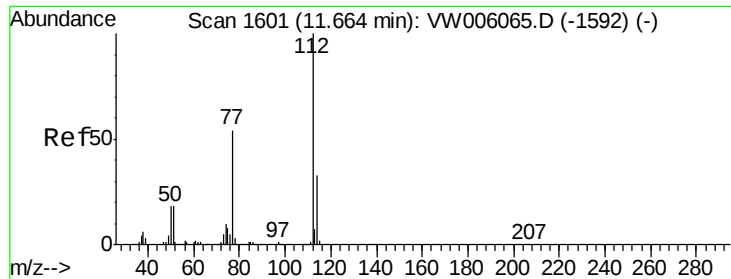
sam
10/24/2018 5:33:45 PM



#64
Tetrachloroethene
Concen: 52.941 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119210		
166	128.1	103.4	155.0	
129	88.2	71.8	107.8	
131	84.2	69.5	104.3	





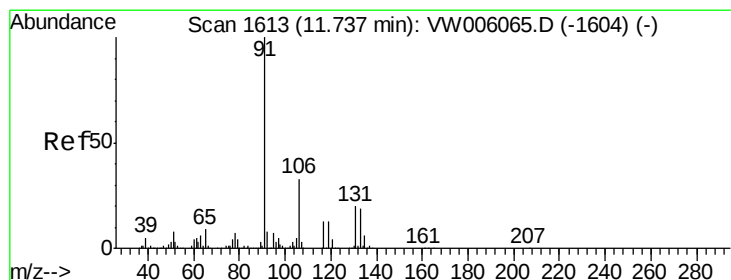
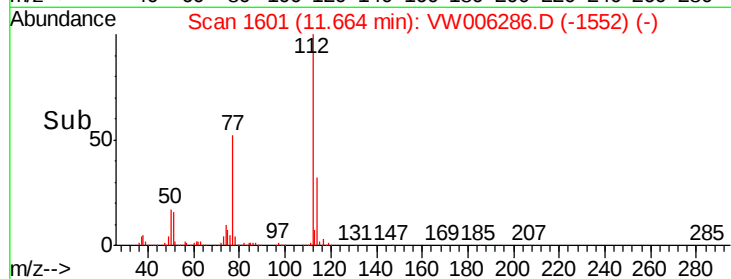
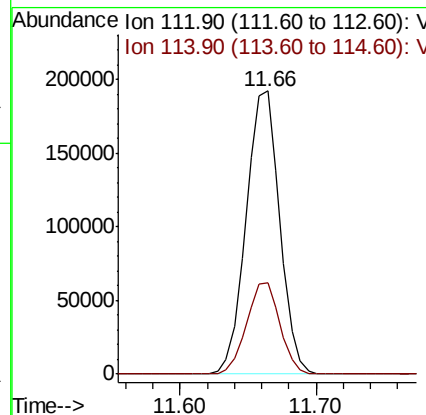
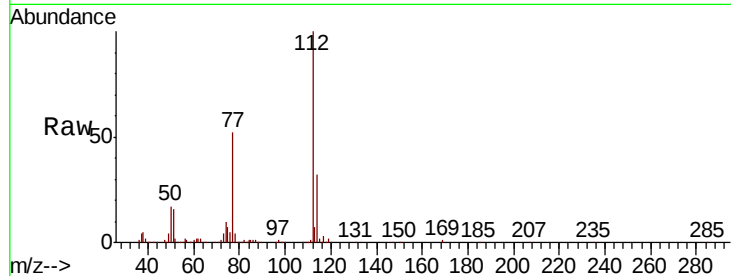
#65
Chlorobenzene
Concen: 53.365 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.2	39.2

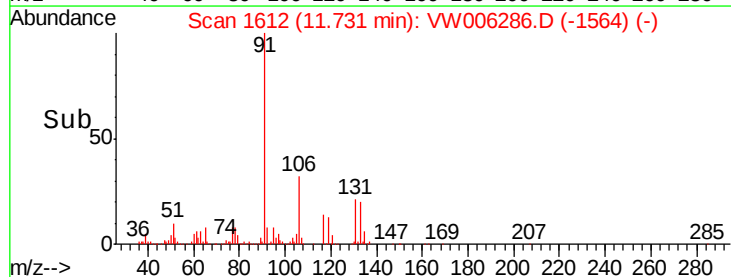
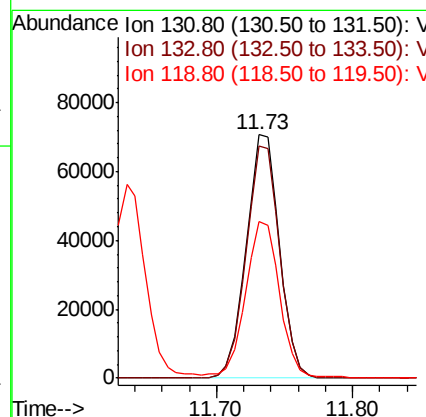
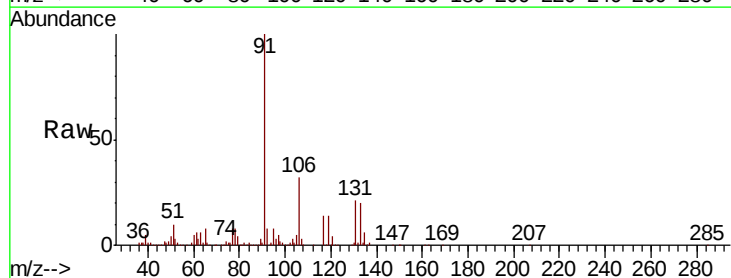
Manual Integrations
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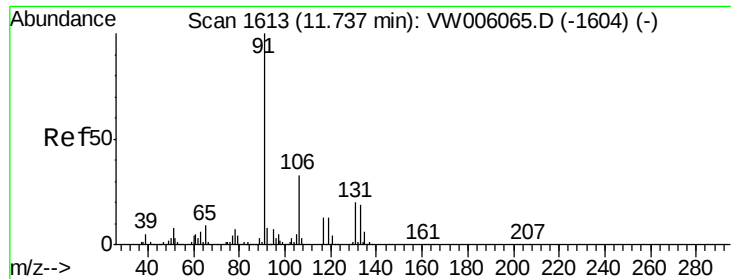
sam
10/24/2018 5:33:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.512 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.1	144.3
119	65.7	31.6	94.7





#67

Ethyl Benzene

Concen: 51.843 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

Tot Ion: 91 Resp: 557877

Ion Ratio Lower Upper

91 100

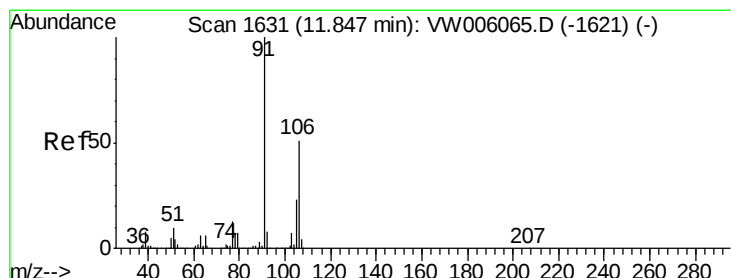
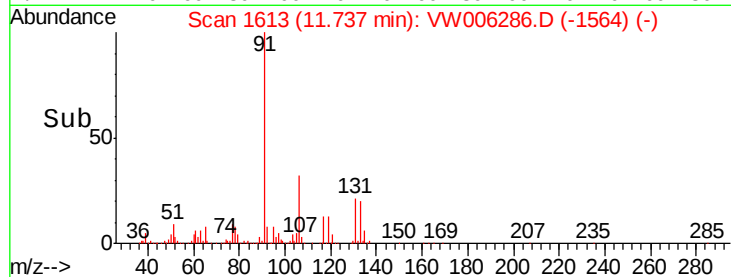
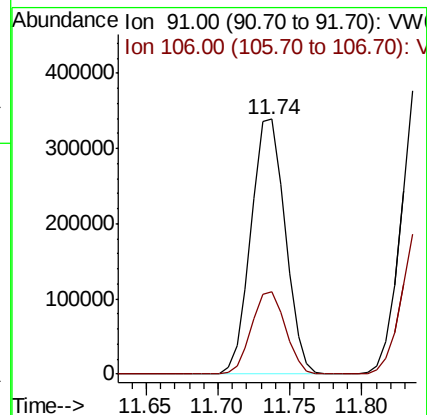
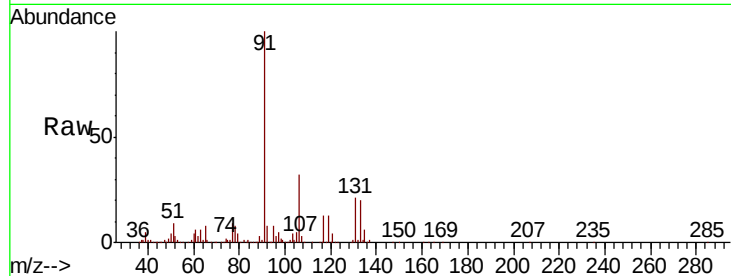
106 32.4 26.1 39.1

Manual Integrations

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sam

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#68

m/p-Xylenes

Concen: 102.790 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW006286.D

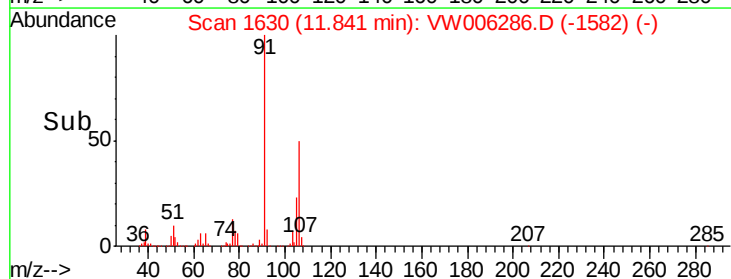
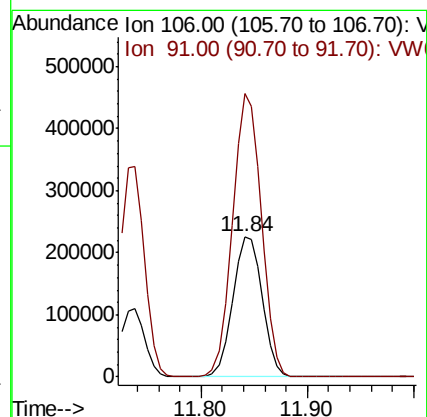
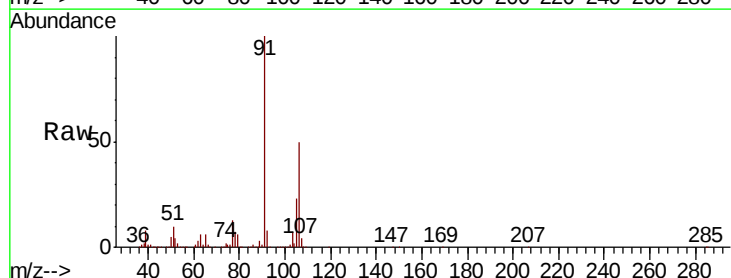
Acq: 23 Oct 2018 08:22

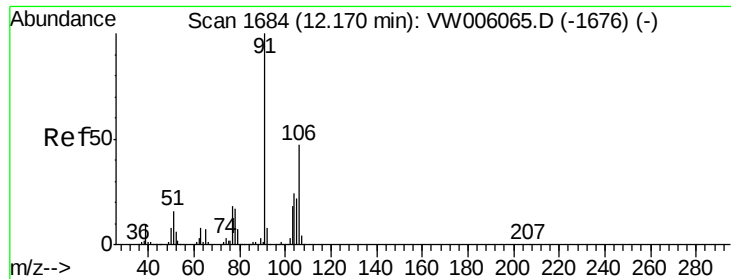
Tgt Ion: 106 Resp: 437197

Ion Ratio Lower Upper

106 100

91 197.8 159.1 238.7





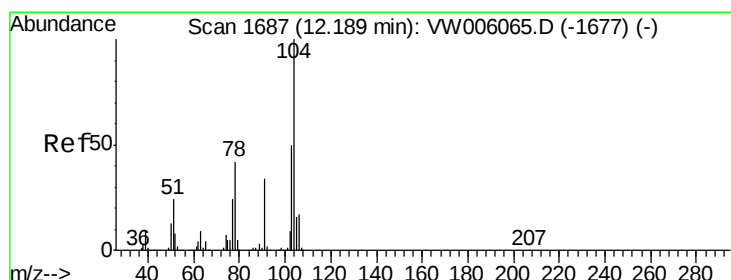
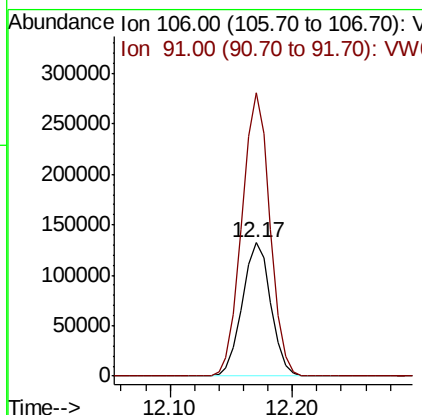
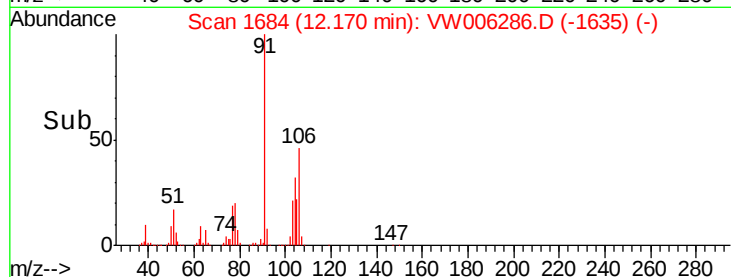
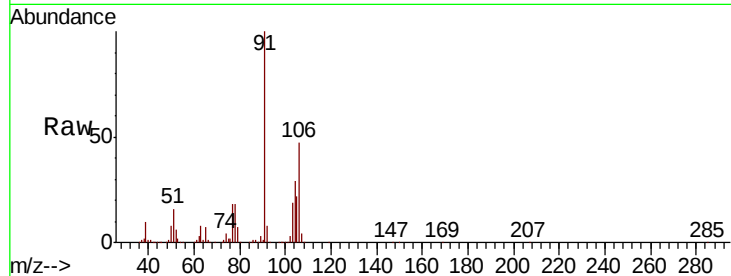
#69
o-Xylene
Concen: 52.680 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		213541		
91	209.1	105.4	316.1		

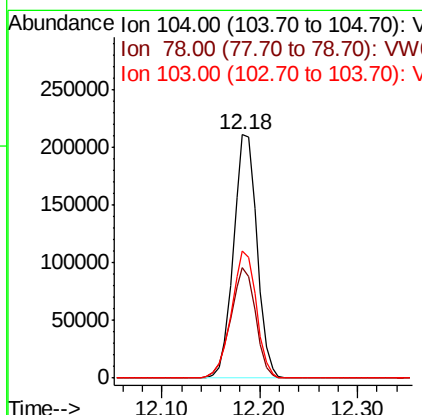
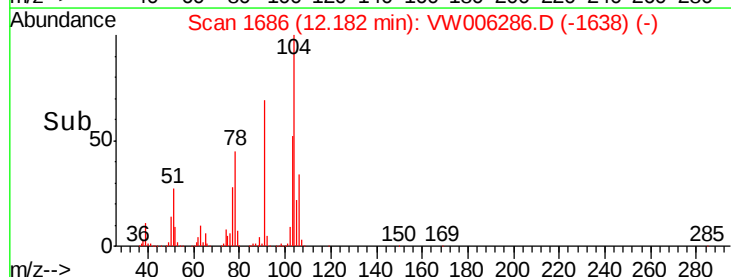
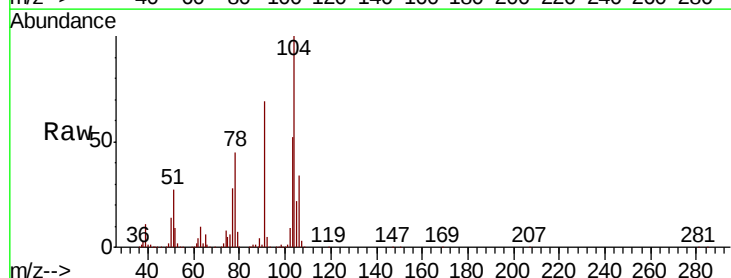
Manual Integrations
APPROVED

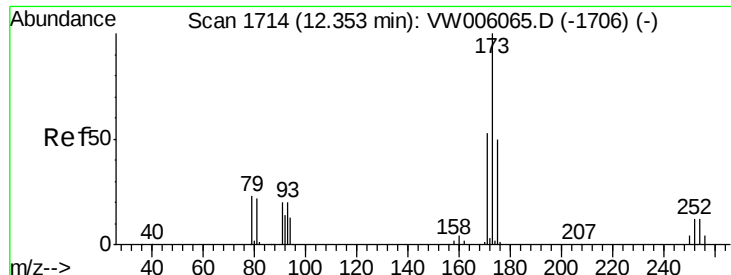
sam
10/24/2018 5:33:45 PM



#70
Styrene
Concen: 53.365 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		351758		
78	48.2	39.1	58.7		
103	55.4	44.3	66.5		





#71

Bromoform

Concen: 52.334 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

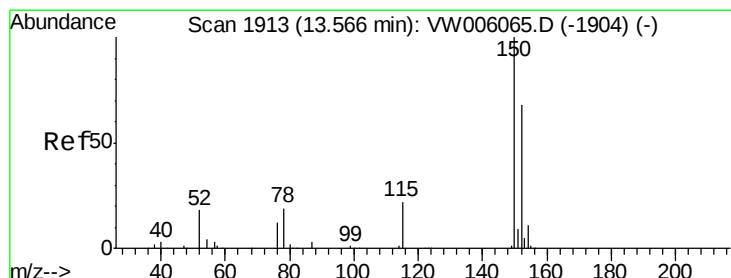
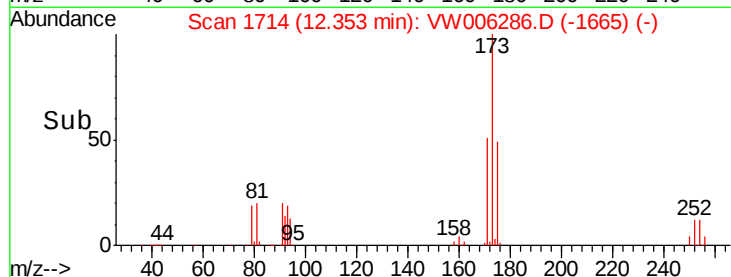
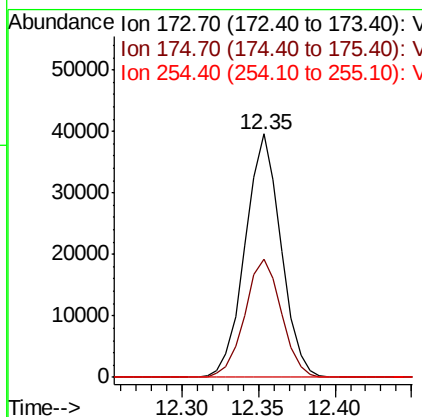
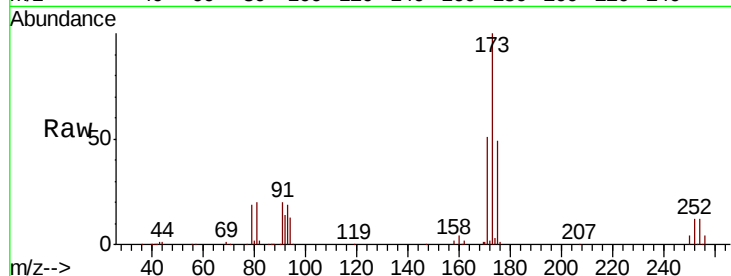
ClientSampleId :

PA-SED-01MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	49.4	24.2	72.6		
254	0.1	0.1	0.1		

Manual Integrations
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sam
10/24/2018 5:33:45 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

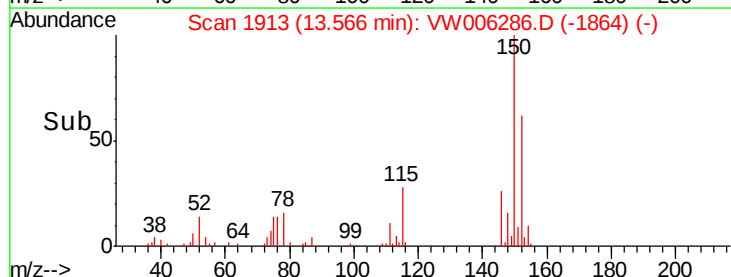
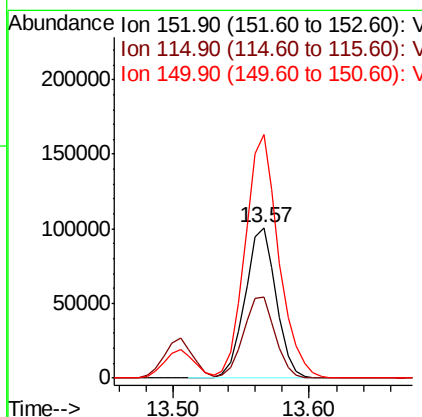
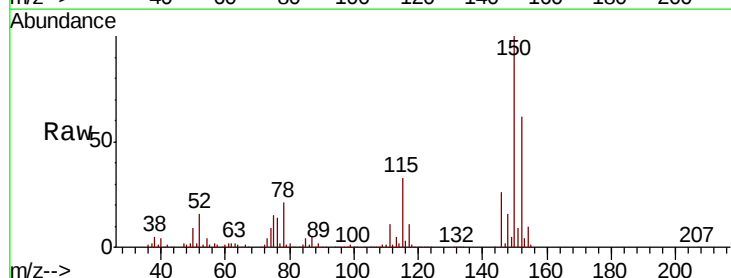
RT: 13.57 min Scan# 1913

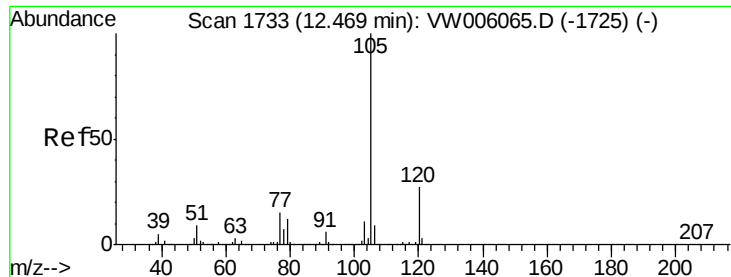
Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	55.5	27.8	83.3		
150	175.9	0.0	349.2		





#73

Isopropylbenzene

Concen: 49.971 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

PA-SED-01MS

Tot Ion: 105 Resp: 564168

Ion Ratio Lower Upper

105 100

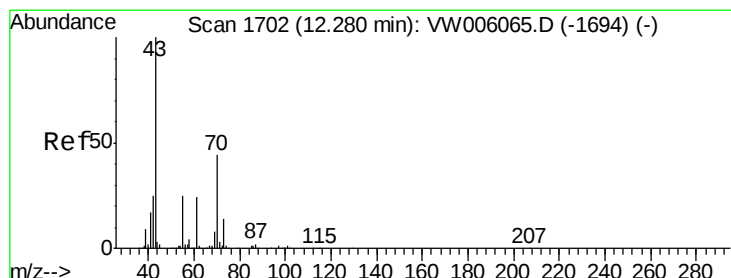
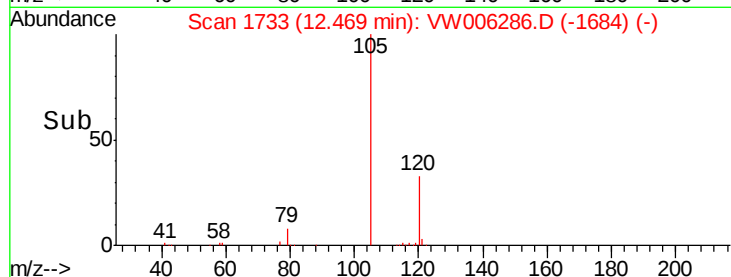
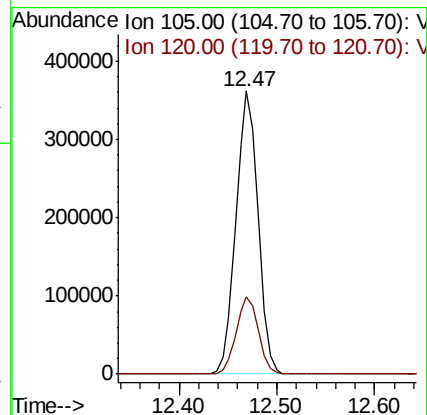
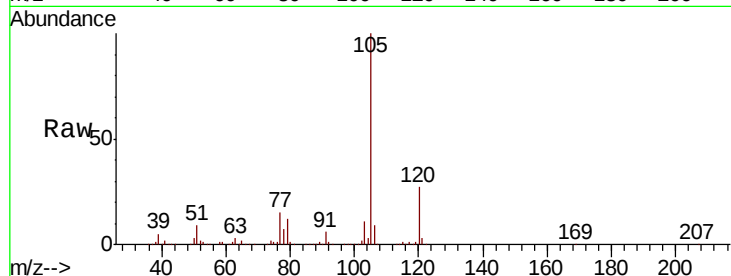
120 27.4 13.6 40.7

Manual Integrations

APPROVED

sam

10/24/2018 5:33:45 PM



#74

N-ethyl acetate

Concen: 46.226 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Tgt Ion: 43 Resp: 101363

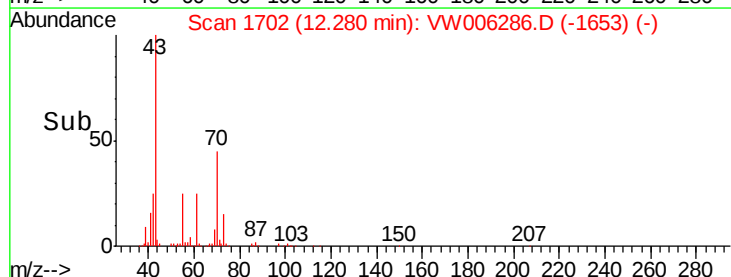
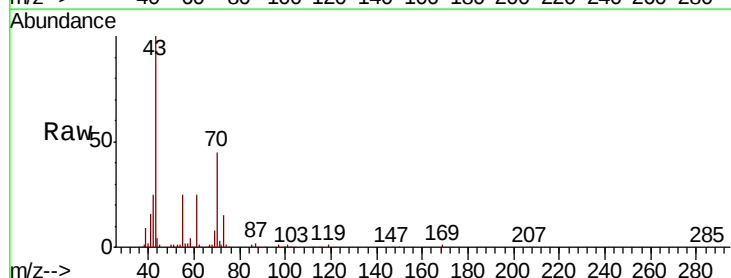
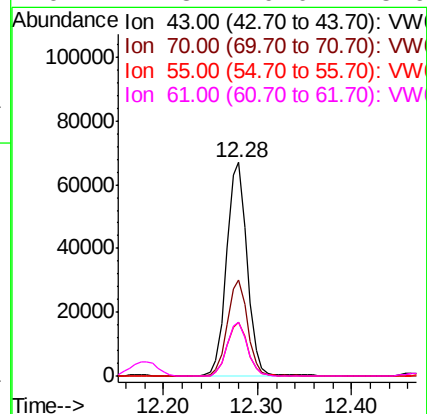
Ion Ratio Lower Upper

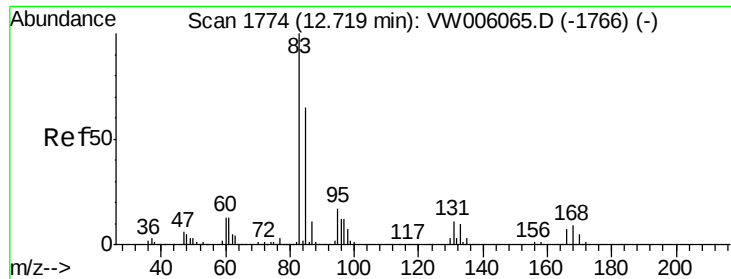
43 100

70 44.5 34.2 51.4

55 25.6 19.2 28.8

61 24.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 58.127 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

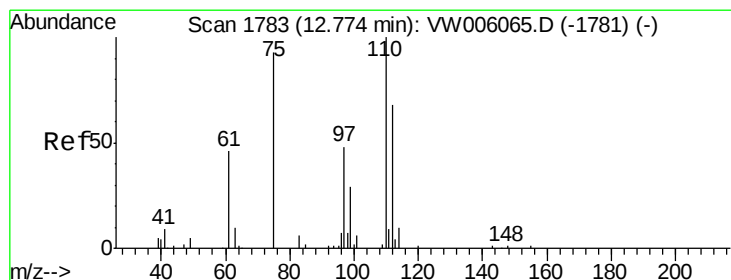
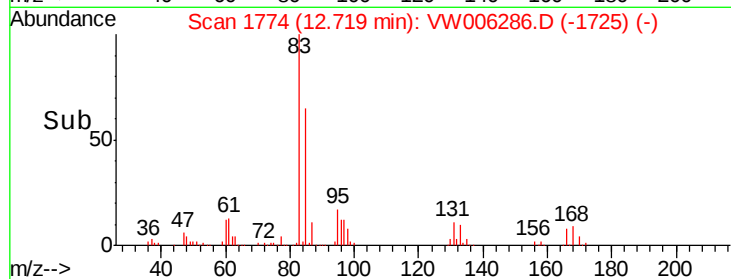
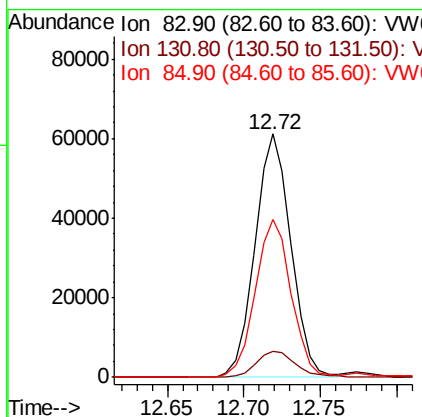
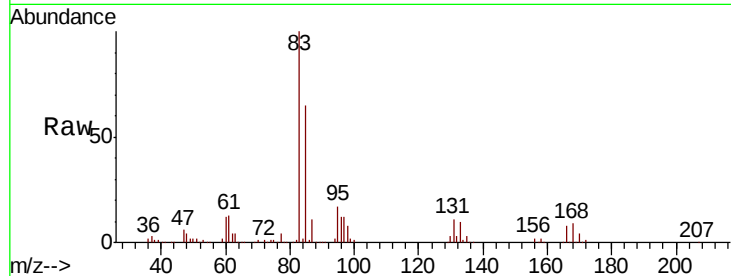
ClientSampleId :

PA-SED-01MS

Tot Ion:	83	Resp:	99812
Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.9	17.7
85	64.9	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 52.966 ug/l m

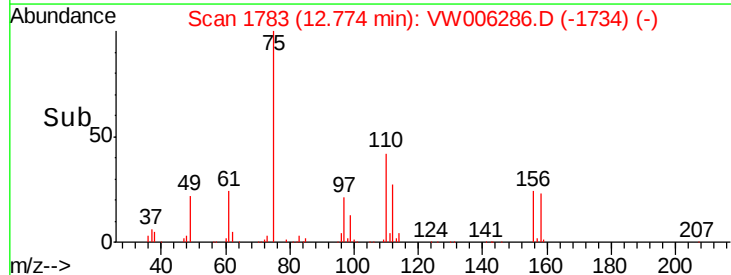
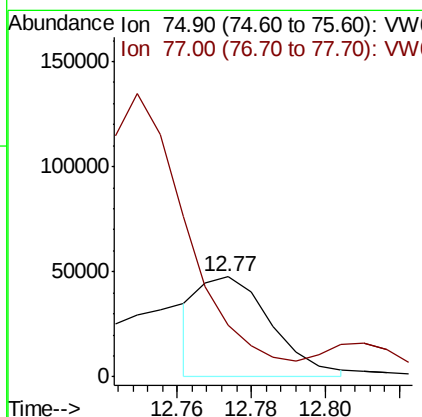
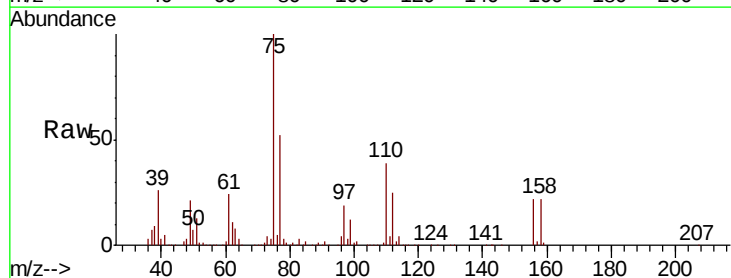
RT: 12.77 min Scan# 1783

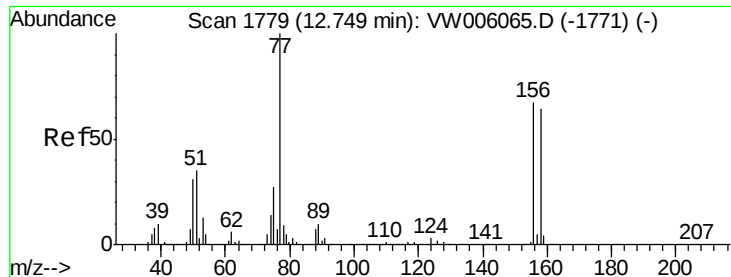
Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Tgt Ion:	75	Resp:	64650
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.675 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Instrument :

MSVOA_W

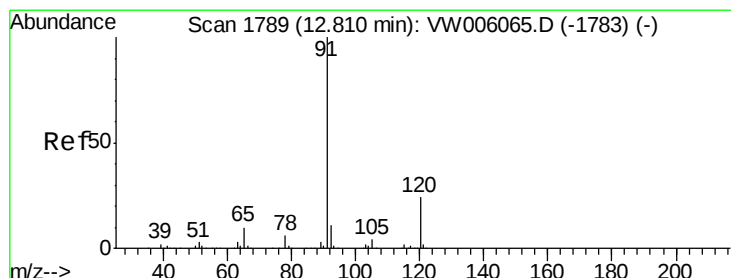
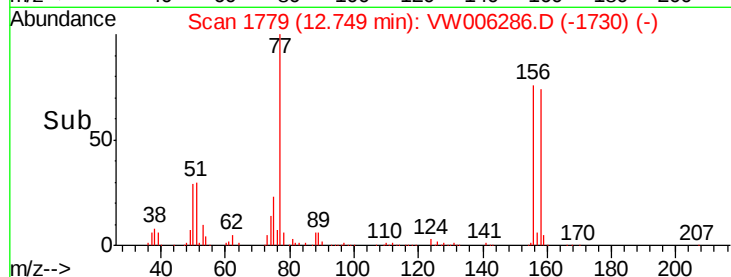
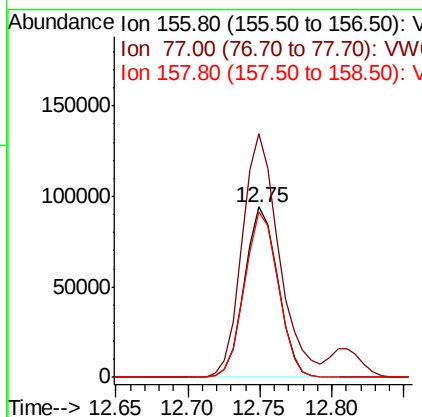
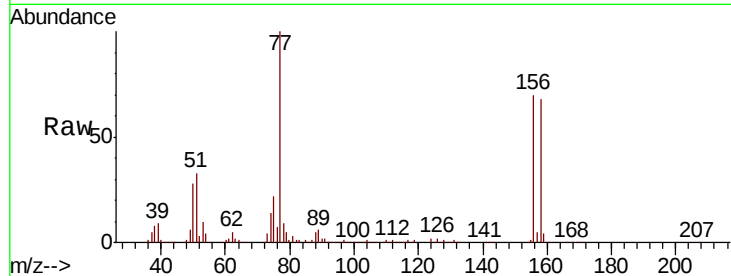
ClientSampleId :

PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.3	79.1	237.4
158	97.9	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 49.143 ug/l

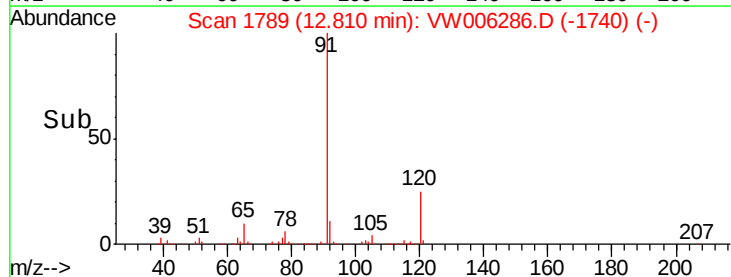
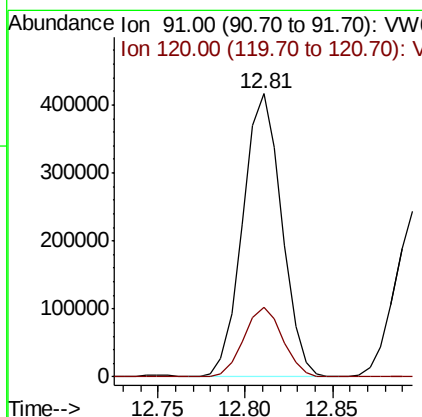
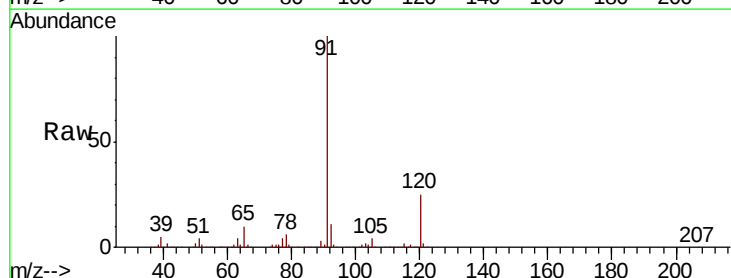
RT: 12.81 min Scan# 1789

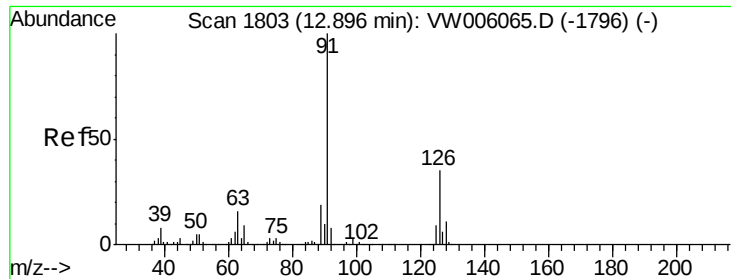
Delta R.T. -0.00 min

Lab File: VW006286.D

Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.2	36.6





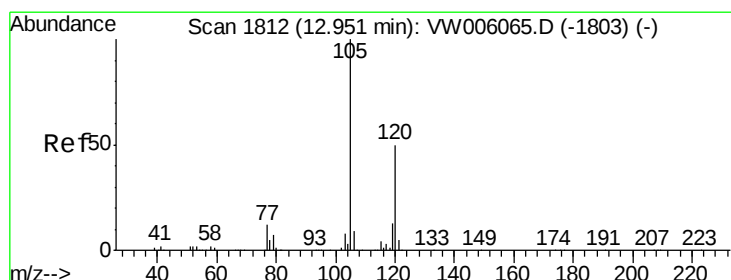
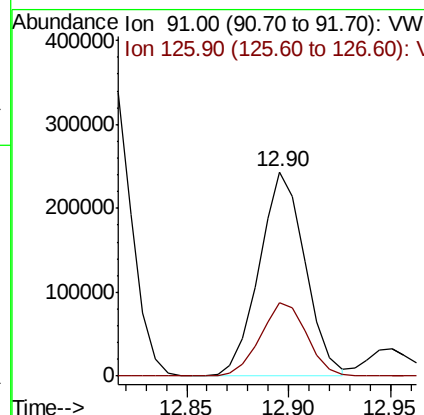
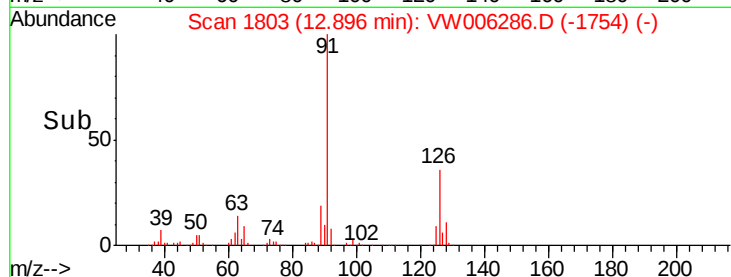
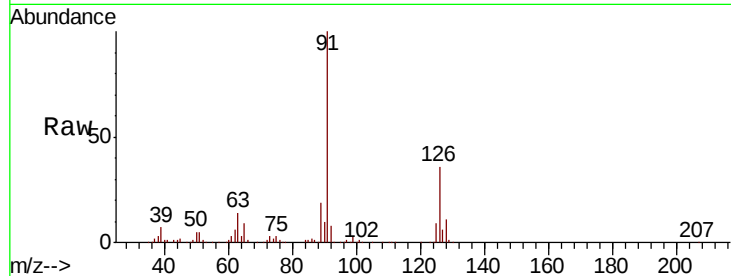
#79
 2-Chlorotoluene
 Concen: 51.560 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion: 91 Resp: 380508
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.9 53.8

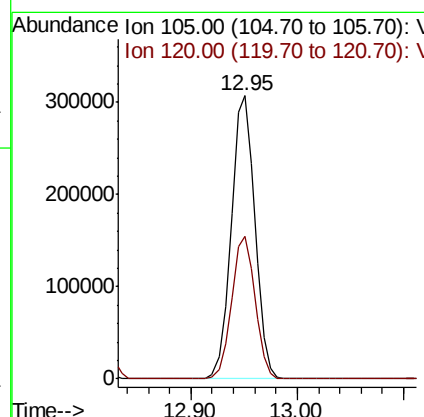
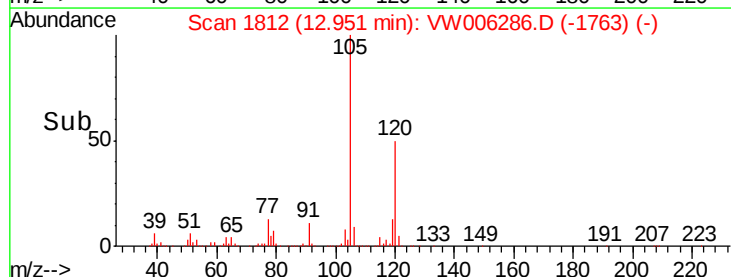
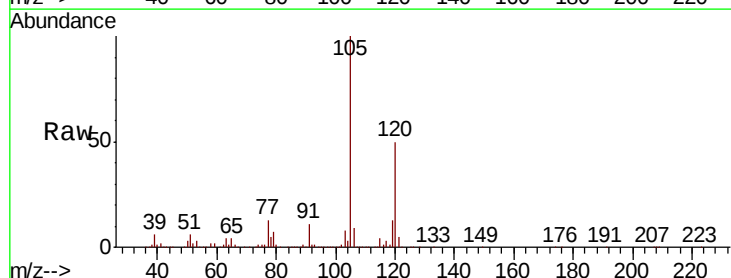
Manual Integrations
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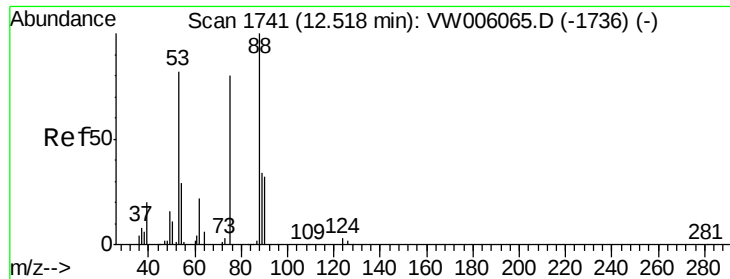
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.219 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion: 105 Resp: 477958
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.6





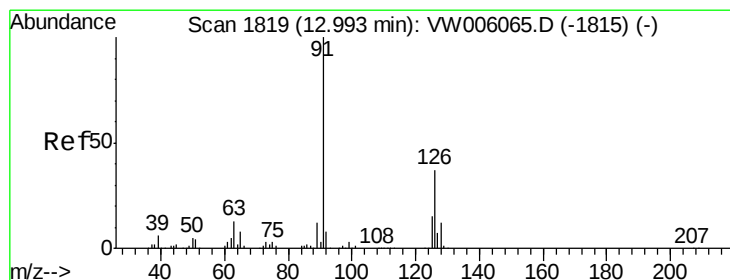
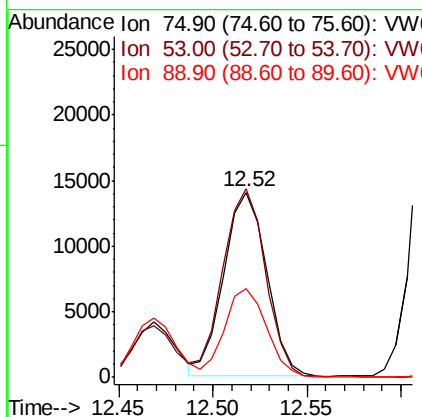
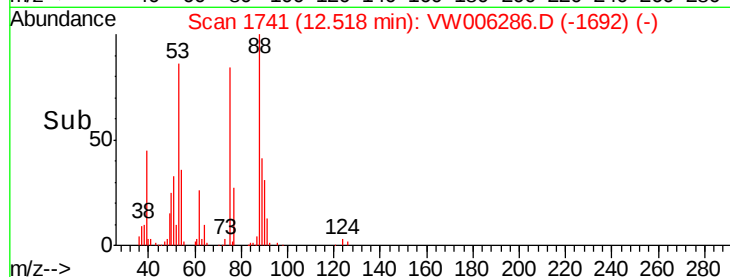
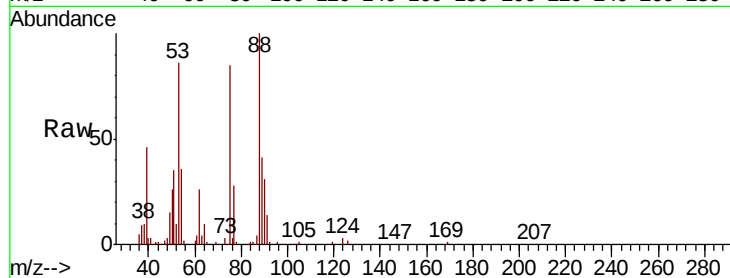
#81
trans-1,4-Dichloro-2-butene
Concen: 43.542 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.3	79.8	119.6
89	47.0	37.5	56.3

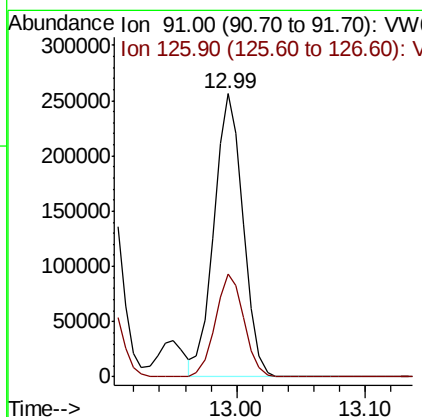
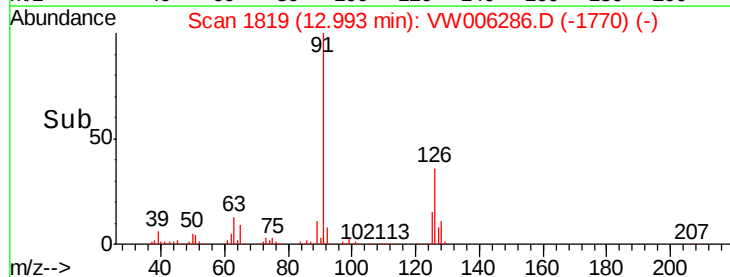
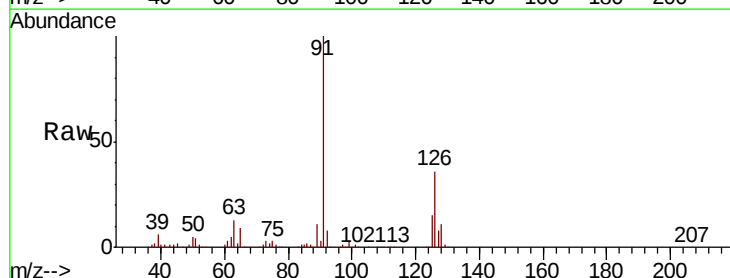
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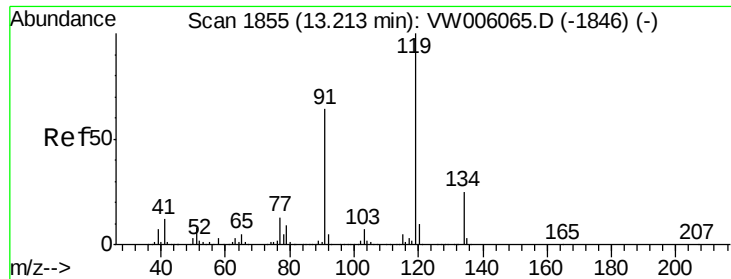
sam
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#82
4-Chlorotoluene
Concen: 52.400 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.1	54.3





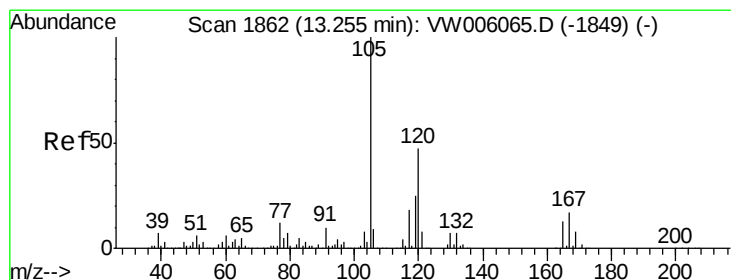
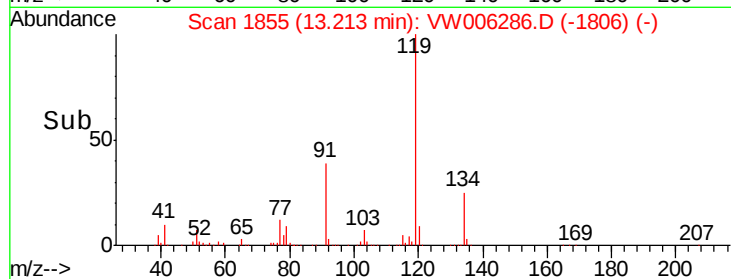
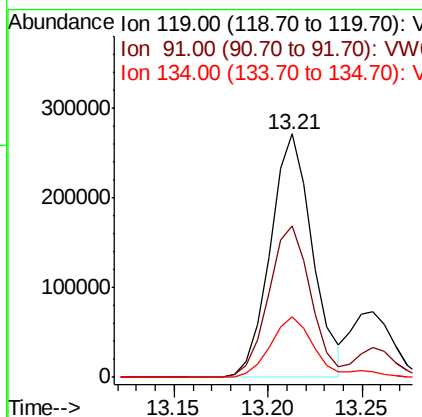
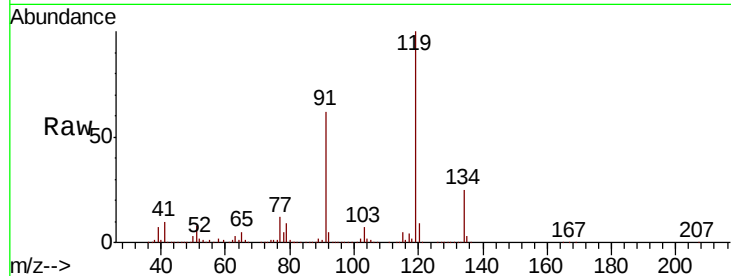
#83
tert-Butylbenzene
Concen: 49.400 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	32.3	96.9
134	25.0	13.6	40.8

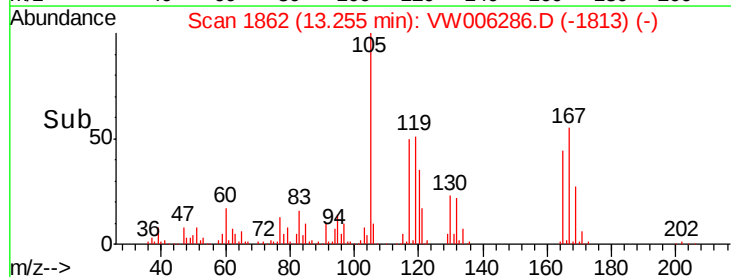
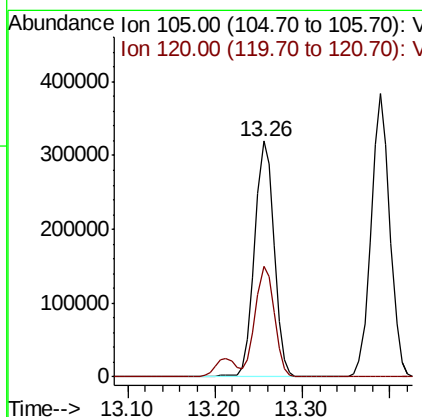
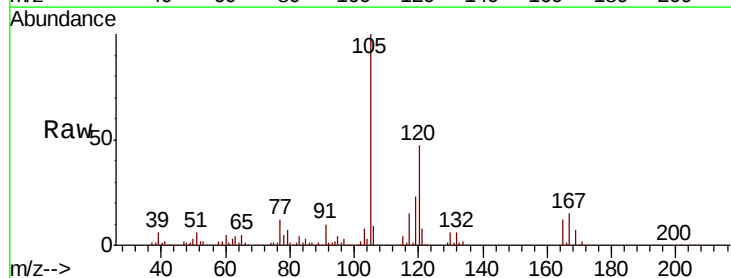
Manual Integrations
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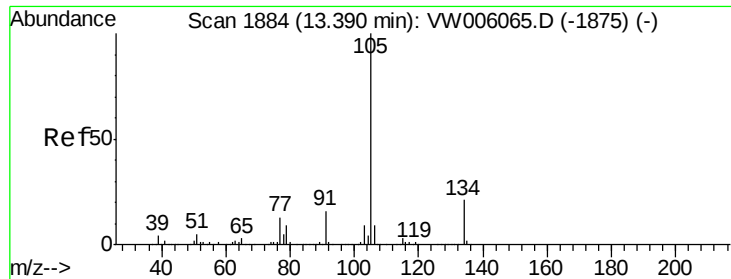
sam
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#84
1,2,4-Trimethylbenzene
Concen: 51.261 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.3





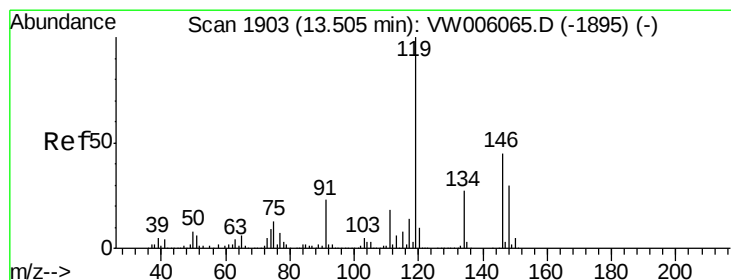
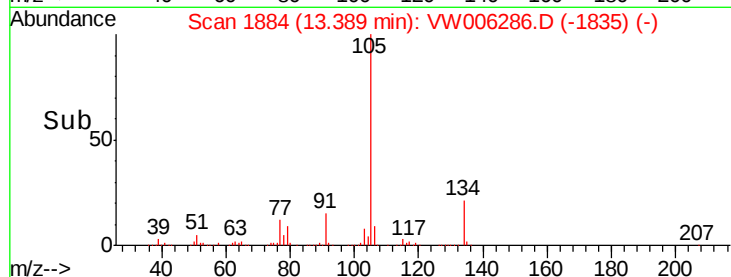
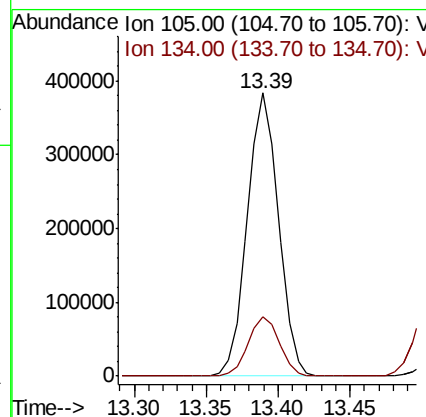
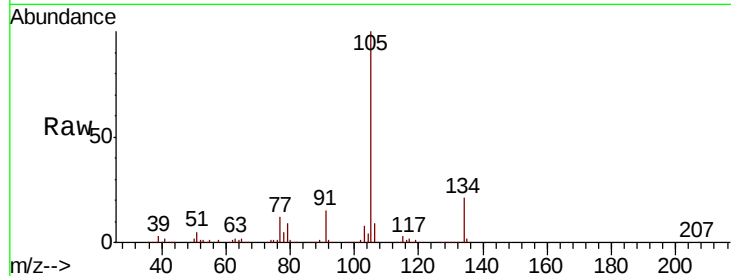
#85
 sec-Butylbenzene
 Concen: 47.715 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.5	31.6

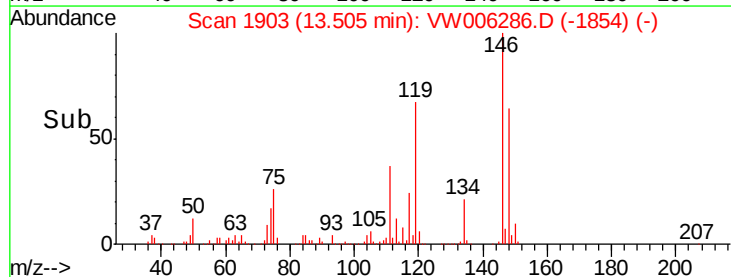
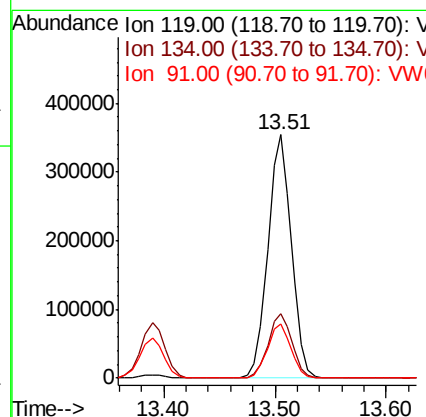
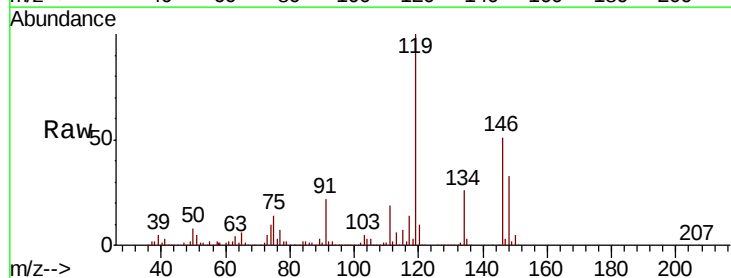
Manual Integrations
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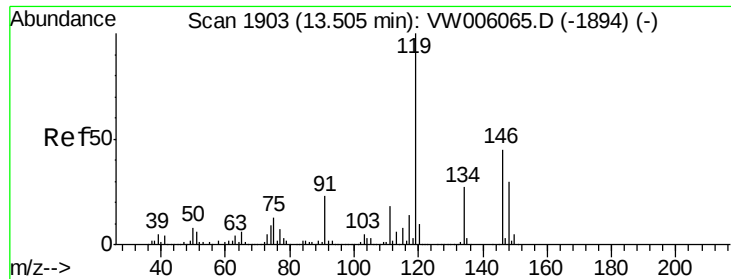
sam
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#86
 p-Isopropyltoluene
 Concen: 47.941 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	22.2	11.4	34.1





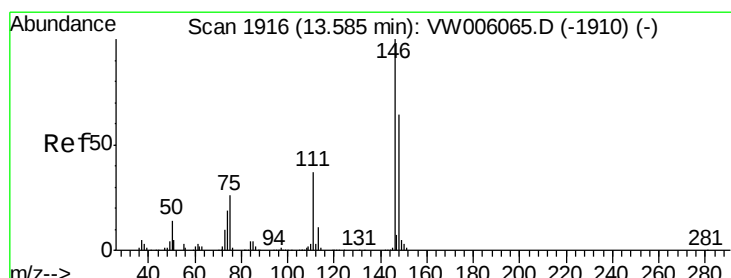
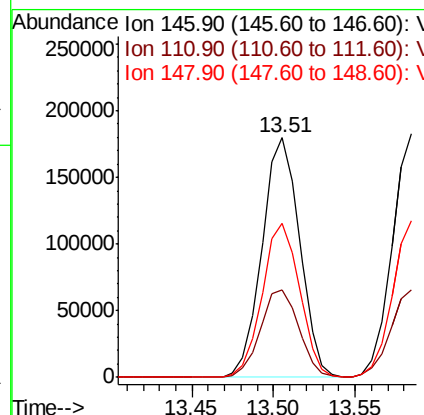
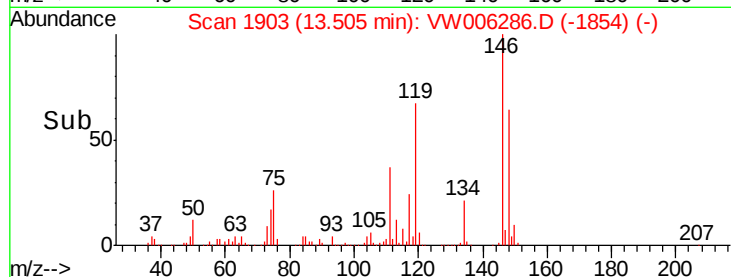
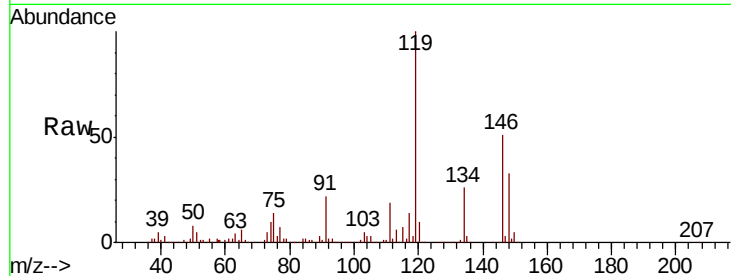
#87
 1,3-Dichlorobenzene
 Concen: 52.297 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.5
148	63.8	32.0	96.2

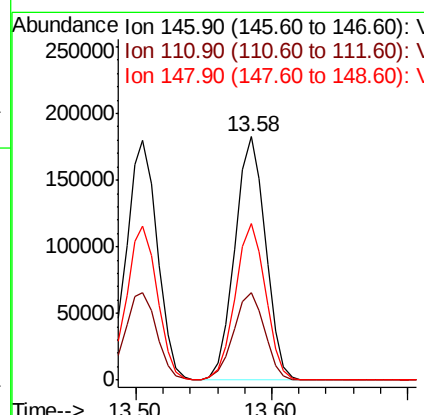
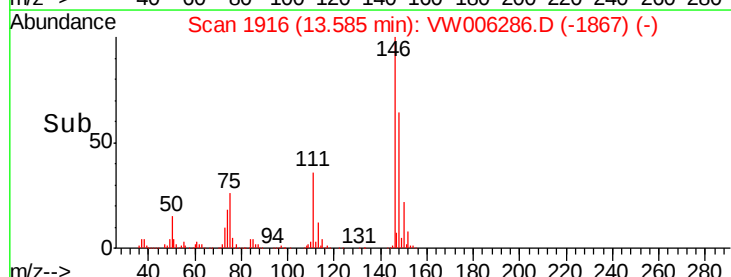
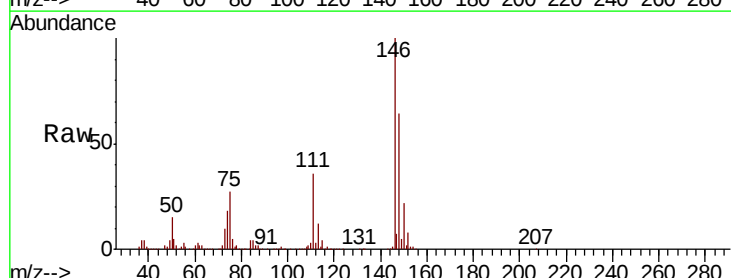
Manual Integrations
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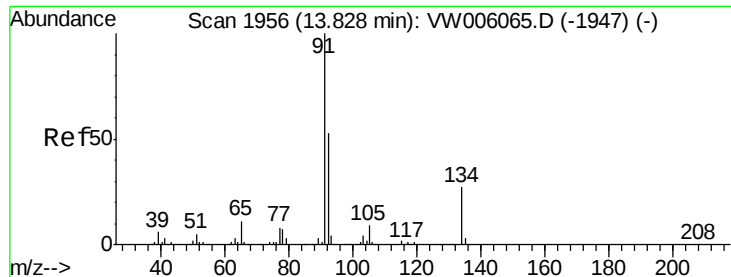
sam
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#88
 1,4-Dichlorobenzene
 Concen: 52.359 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	56.0
148	63.8	32.1	96.5





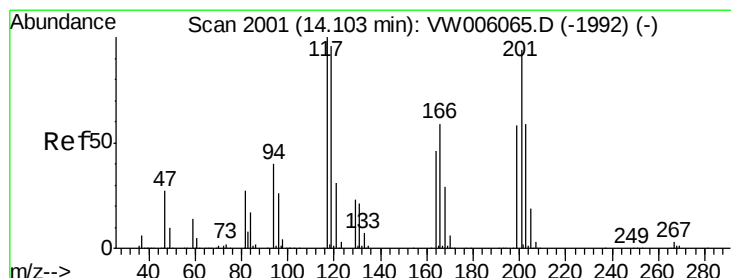
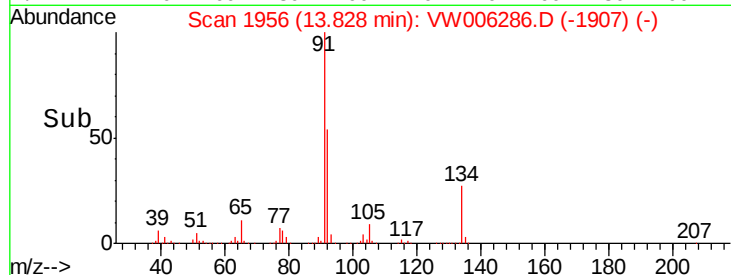
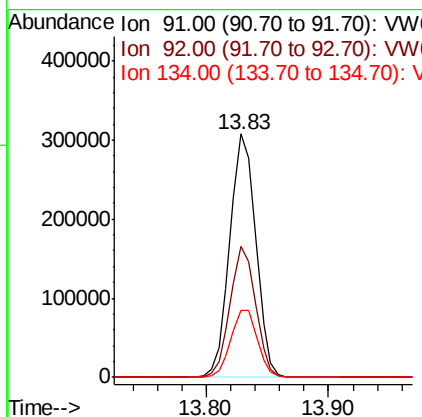
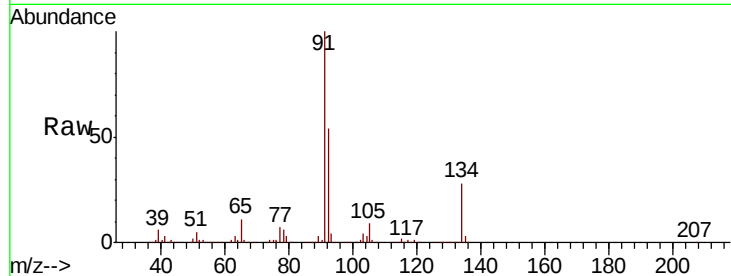
#89
n-Butylbenzene
Concen: 45.329 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	28.3	14.0	41.9

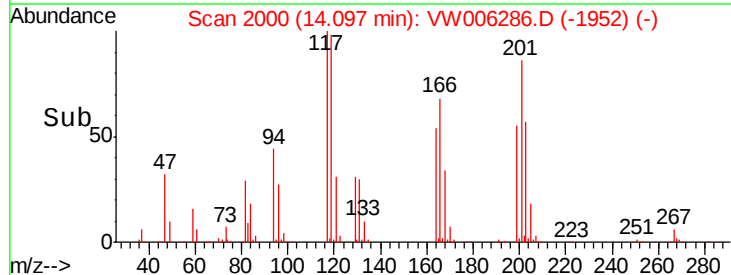
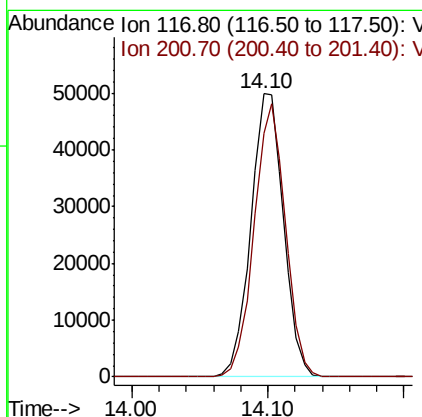
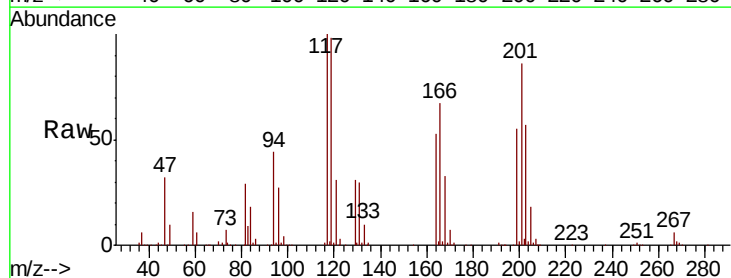
Manual Integrations
APPROVED

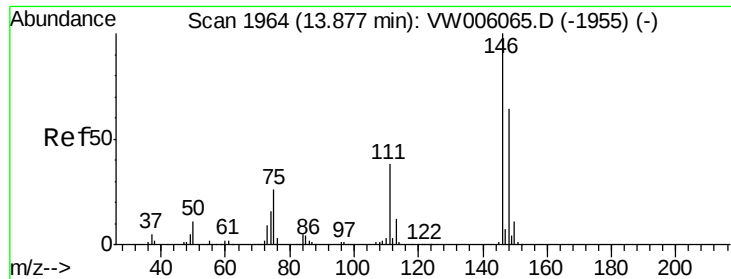
sam
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#90
Hexachloroethane
Concen: 45.597 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.6	45.3	135.9





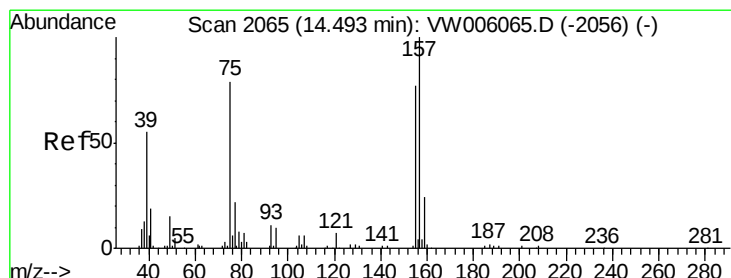
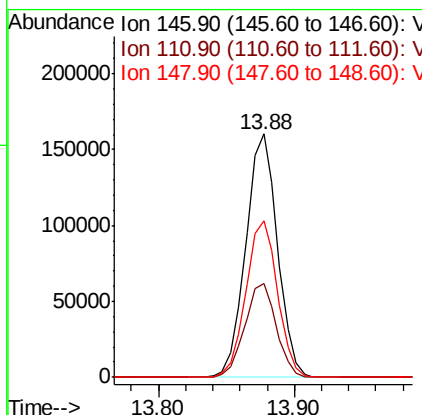
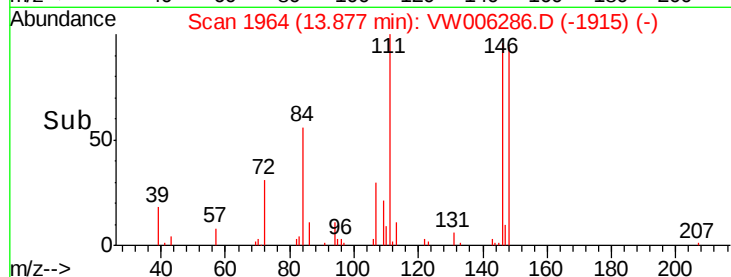
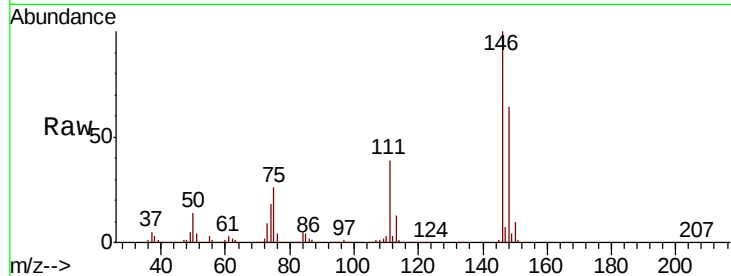
#91
 1,2-Dichlorobenzene
 Concen: 53.245 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	64.5	32.2	96.6

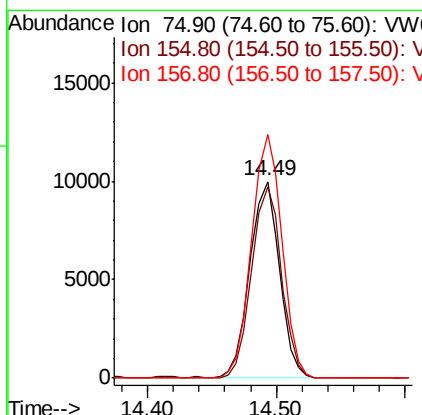
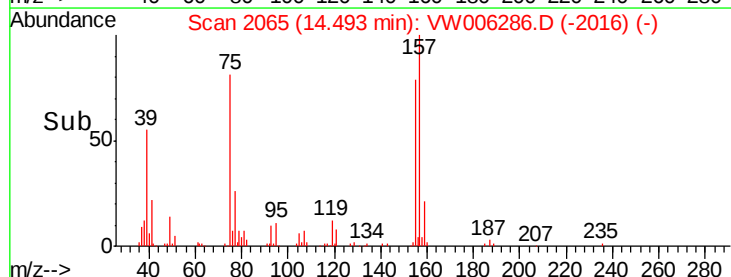
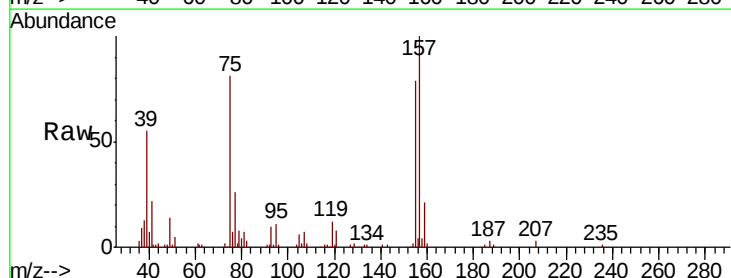
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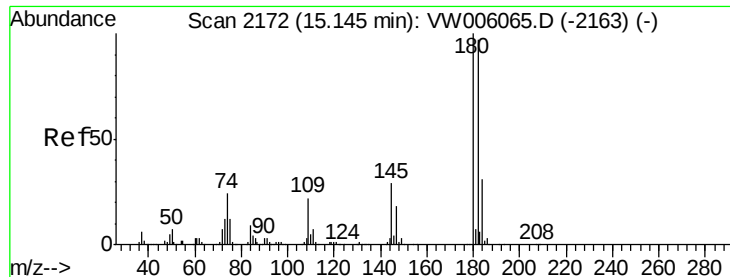
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.806 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.1	46.5	139.5
157	125.8	59.8	179.4





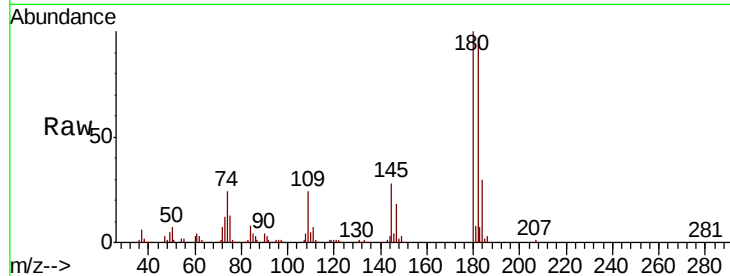
#93
 1,2,4-Trichlorobenzene
 Concen: 47.146 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	178078		
182	96.3	47.9	143.6	
145	28.3	14.2	42.8	

Manual Integrations
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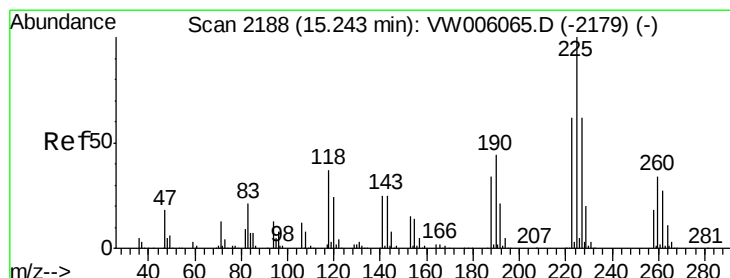
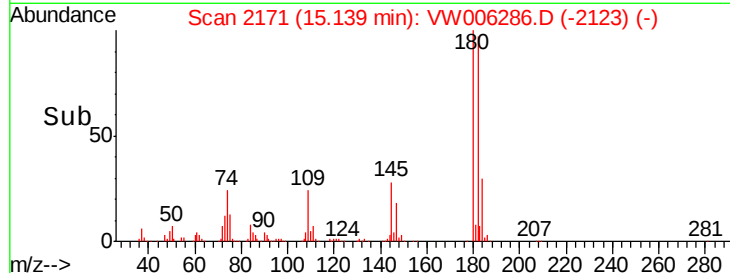
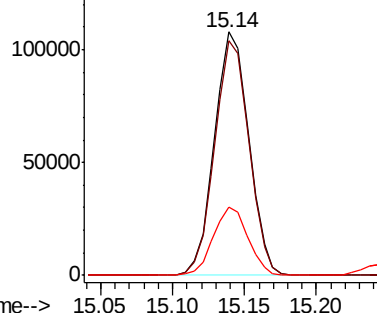


Abundance

Ion 179.80 (179.50 to 180.50): V

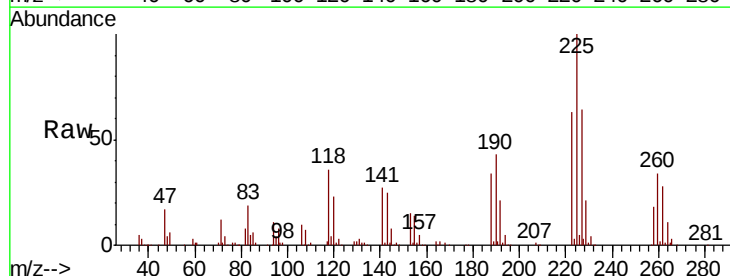
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 41.231 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006286.D
 Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97831		
223	62.7	31.1	93.5	
227	63.4	32.4	97.0	

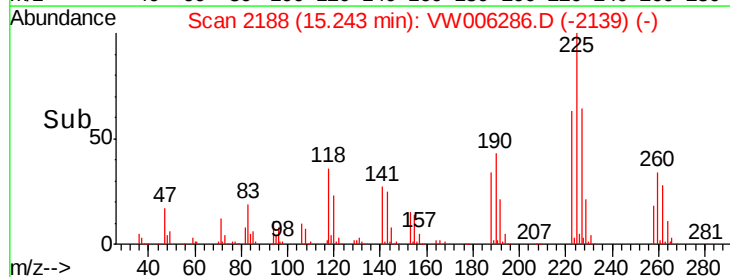
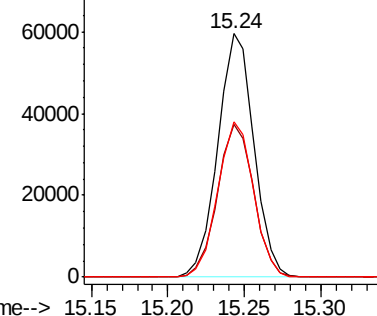


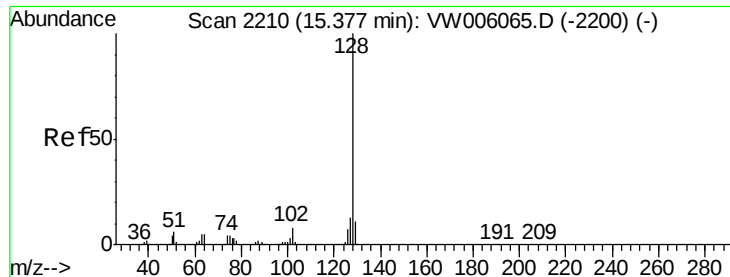
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





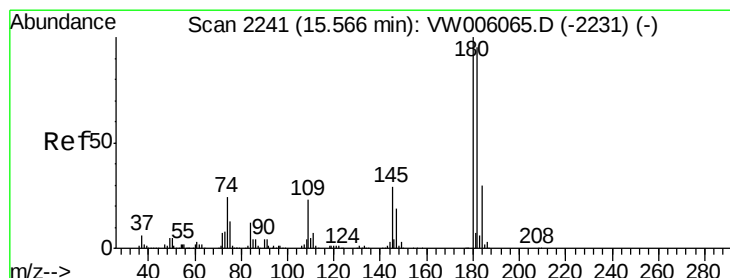
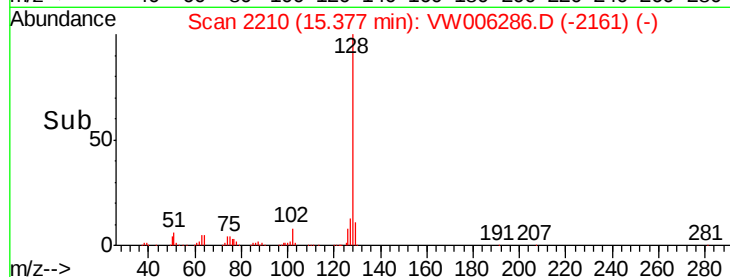
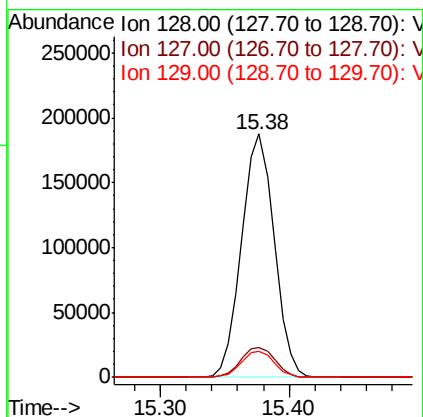
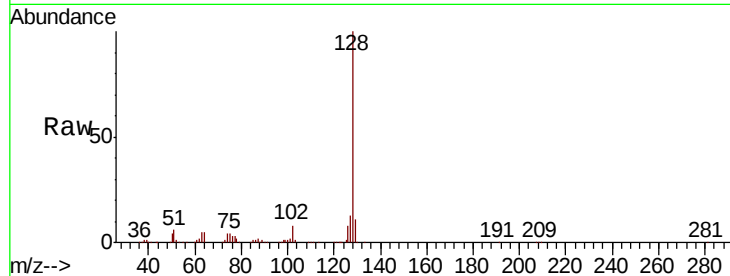
#95
Naphthalene
Concen: 52.338 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
PA-SED-01MS

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

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#96
1,2,3-Trichlorobenzene
Concen: 48.539 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006286.D
Acq: 23 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	29.9	15.0	45.1

