

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011518.D
 Acq On : 26 Jul 2019 16:15
 Operator : SY/VA
 Sample : VW0727SBSD01
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:18:59 AM

Quant Time: Jul 27 05:47:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162871	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137560	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	7.88	113	110121	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	10.32	98	457981	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.62	95	162811	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27570	20.926	ug/l	98
3) Chloromethane	2.21	50	45476	19.906	ug/l	98
4) Vinyl Chloride	2.36	62	55337	20.119	ug/l	99
5) Bromomethane	2.77	94	29204	19.182	ug/l	99
6) Chloroethane	2.92	64	30461	19.388	ug/l	100
7) Trichlorofluoromethane	3.25	101	25875	21.050	ug/l	98
8) Diethyl Ether	3.68	74	27140	19.473	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46550	19.963	ug/l	99
10) Methyl Iodide	4.28	142	65313	19.820	ug/l	100
11) Tert butyl alcohol	5.17	59	22018	99.146	ug/l	96
12) 1,1-Dichloroethene	4.04	96	47515	19.299	ug/l	98
13) Acrolein	3.89	56	17832	91.550	ug/l	97
14) Allyl chloride	4.67	41	103056	19.680	ug/l	99
15) Acrylonitrile	5.37	53	67073	96.407	ug/l	99
16) Acetone	4.12	43	70904	82.112	ug/l	98
17) Carbon Disulfide	4.38	76	145583	18.893	ug/l	98
18) Methyl Acetate	4.67	43	37795	19.484	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	78873	20.188	ug/l	95
20) Methylene Chloride	4.92	84	57824	19.417	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	52048	19.608	ug/l	98
22) Diisopropyl ether	6.31	45	194716	19.723	ug/l	99
23) Vinyl Acetate	6.25	43	599965	96.712	ug/l	99
24) 1,1-Dichloroethane	6.21	63	103367	19.549	ug/l	99
25) 2-Butanone	7.17	43	103227	91.358	ug/l	99
26) 2,2-Dichloropropane	7.16	77	64300	19.774	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	57239	19.593	ug/l	97
28) Bromochloromethane	7.51	49	48711	20.755	ug/l	100
29) Tetrahydrofuran	7.52	42	60702	93.985	ug/l	99
30) Chloroform	7.68	83	96219	19.725	ug/l	97
31) Cyclohexane	7.96	56	100155	19.733	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	72899	19.623	ug/l	99
36) 1,1-Dichloropropene	8.08	75	78614	19.812	ug/l	99
37) Ethyl Acetate	7.26	43	43266	18.953	ug/l	98
38) Carbon Tetrachloride	8.07	117	65099	19.165	ug/l	95

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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	87510	20.029	ug/l	98
40) Benzene	8.32	78	221695	19.947	ug/l	100
41) Methacrylonitrile	7.48	41	25021	18.335	ug/l	96
42) 1,2-Dichloroethane	8.40	62	69042	19.841	ug/l	99
43) Isopropyl Acetate	8.42	43	80781	19.241	ug/l	99
44) Trichloroethene	9.09	130	52945	19.820	ug/l	98
45) 1,2-Dichloropropane	9.37	63	58069	19.527	ug/l	95
46) Dibromomethane	9.46	93	26820	19.760	ug/l	99
47) Bromodichloromethane	9.65	83	68290	19.180	ug/l	100
48) Methyl methacrylate	9.43	41	38478	19.079	ug/l	99
49) 1,4-Dioxane	9.45	88	7266	369.714	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	208034	95.264	ug/l	100
52) Toluene	10.39	92	132660	19.765	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	70209	18.877	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	84847	19.187	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	37460	19.451	ug/l	98
56) Ethyl methacrylate	10.65	69	53963	19.149	ug/l	97
57) 1,3-Dichloropropane	10.93	76	72783	19.976	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	142458	111.336	ug/l	100
59) 2-Hexanone	10.97	43	141783	91.955	ug/l	100
60) Dibromochloromethane	11.13	129	40597	18.991	ug/l	100
61) 1,2-Dibromoethane	11.24	107	34731	19.057	ug/l	98
64) Tetrachloroethene	10.86	164	43816	20.047	ug/l	97
65) Chlorobenzene	11.66	112	133459	19.775	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	46580	19.815	ug/l	99
67) Ethyl Benzene	11.73	91	256162	19.929	ug/l	99
68) m/p-Xylenes	11.84	106	187949	40.208	ug/l	98
69) o-Xylene	12.16	106	85755	19.742	ug/l	99
70) Styrene	12.18	104	149686	19.930	ug/l	99
71) Bromoform	12.35	173	22621	18.873	ug/l #	99
73) Isopropylbenzene	12.46	105	239866	19.741	ug/l	99
74) N-amyl acetate	12.27	43	71695	18.847	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	44956	19.670	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31896m	18.508	ug/l	
77) Bromobenzene	12.75	156	53105	19.774	ug/l	100
78) n-propylbenzene	12.80	91	299368	20.245	ug/l	99
79) 2-Chlorotoluene	12.89	91	167860	19.704	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	204962	20.123	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13187	17.635	ug/l	96
82) 4-Chlorotoluene	12.99	91	175357	19.619	ug/l	98
83) tert-Butylbenzene	13.21	119	170697	20.041	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	204886	19.969	ug/l	99
85) sec-Butylbenzene	13.38	105	245718	20.218	ug/l	100
86) p-Isopropyltoluene	13.50	119	221217	20.062	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	103305	19.617	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	103279	19.716	ug/l	98
89) n-Butylbenzene	13.82	91	220978	20.082	ug/l	99
90) Hexachloroethane	14.10	117	37388	19.175	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	92590	19.880	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7172	18.402	ug/l	97

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65566	19.975	ug/l	99
94) Hexachlorobutadiene	15.24	225	42017	20.526	ug/l	99
95) Naphthalene	15.37	128	113454	18.982	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	57896	20.122	ug/l	99

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

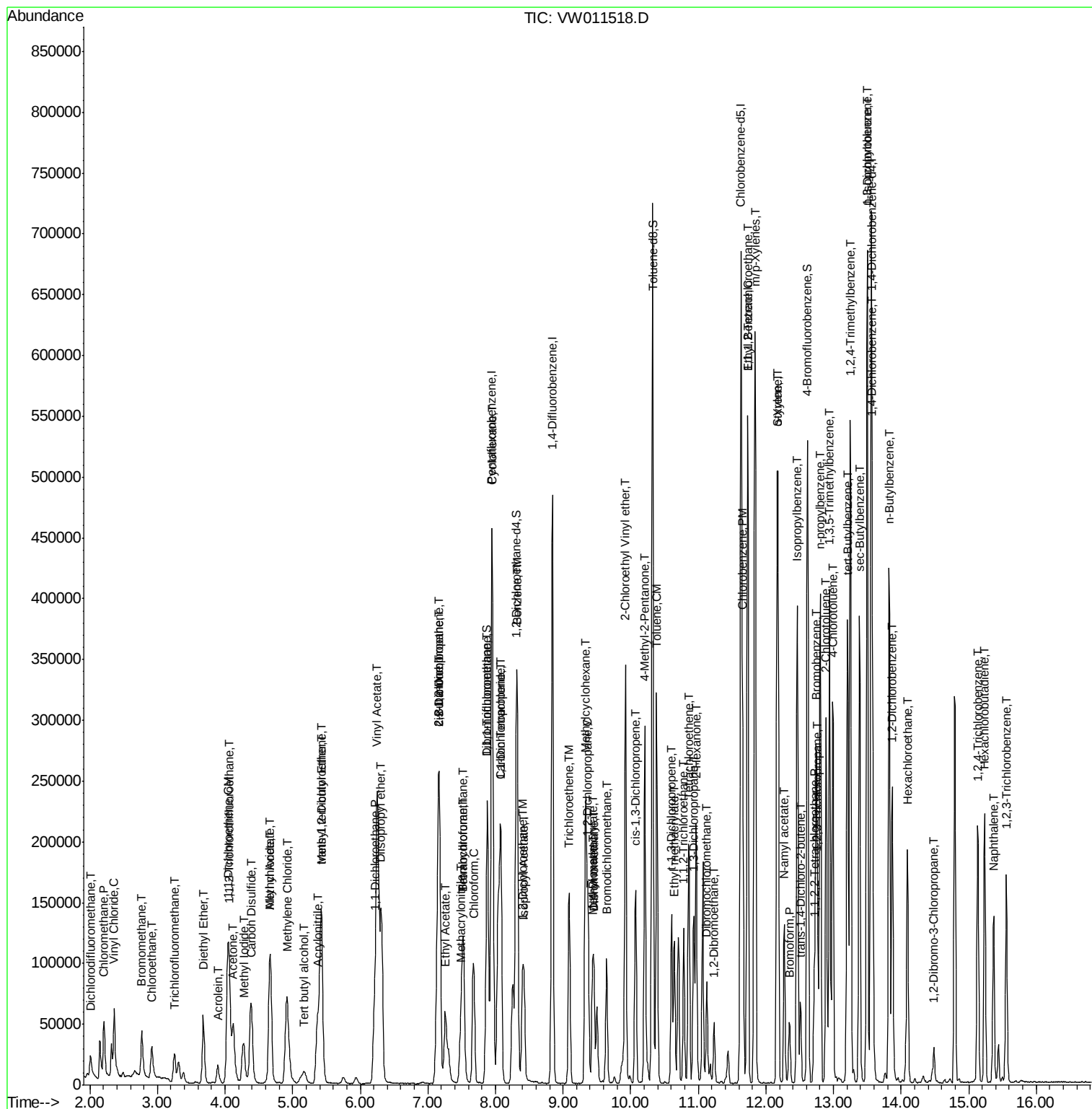
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 Data File : VW011518.D
 Acq On : 26 Jul 2019 16:15
 Operator : SY/VA
 Sample : VW0727SBS01
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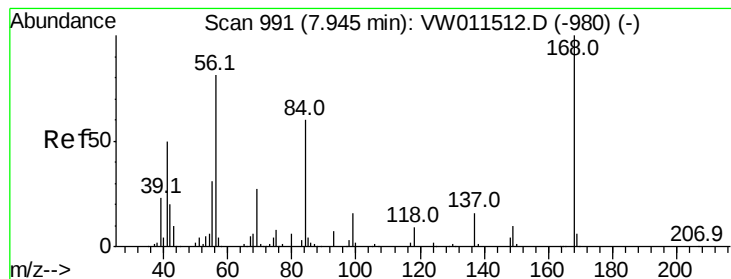
Instrument :
 MSVOA_W
 Client Sampled :
 VW0727SBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS01

Tot Ion:168 Resp: 236404

Ion Ratio Lower Upper

168 100

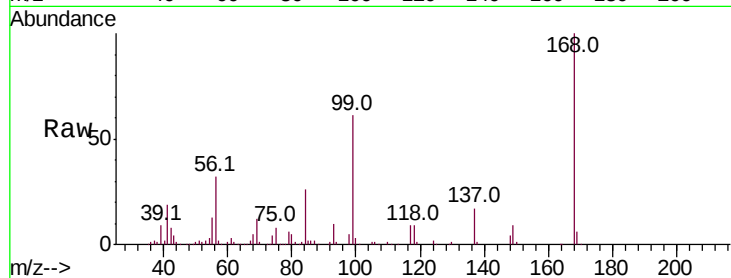
99 60.5 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

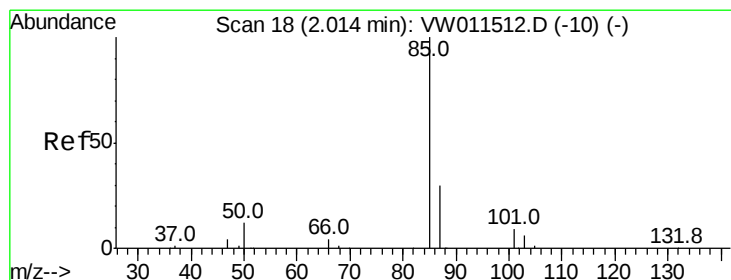
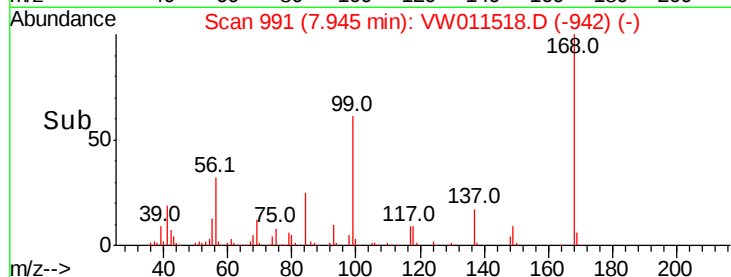
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.926 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011518.D

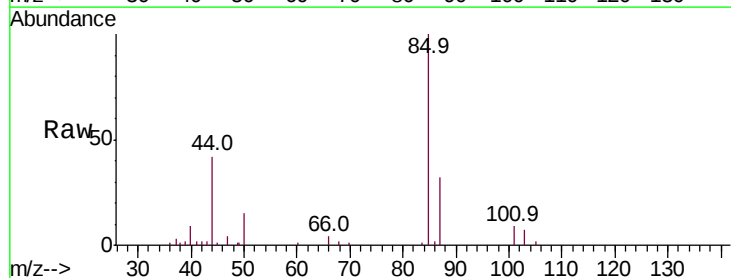
Acq: 26 Jul 2019 16:15

Tgt Ion: 85 Resp: 27570

Ion Ratio Lower Upper

85 100

87 31.7 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

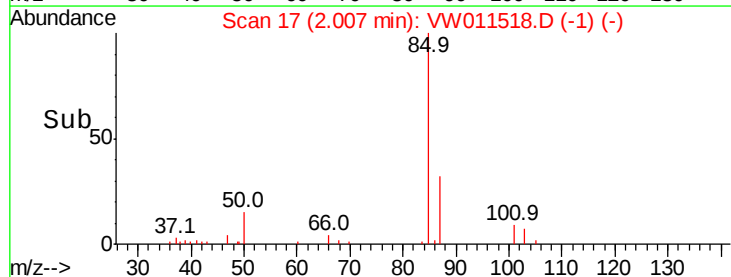
6000

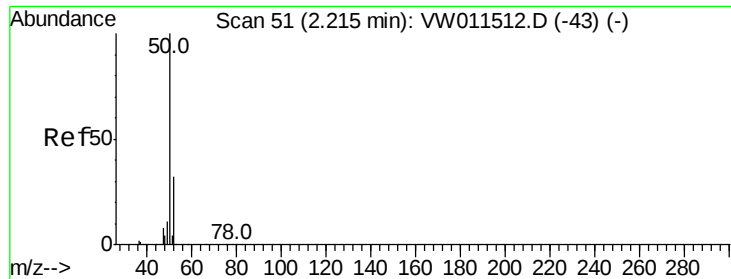
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 19.906 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBSD01

Tot Ion: 50 Resp: 45476

Ion Ratio Lower Upper

50 100

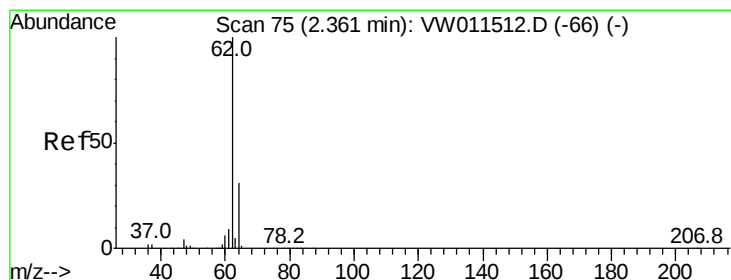
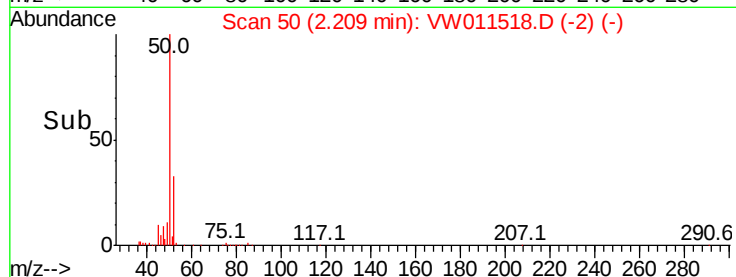
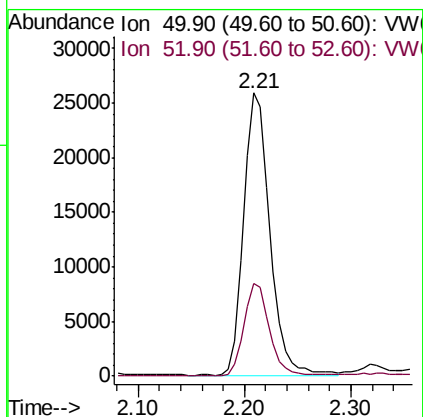
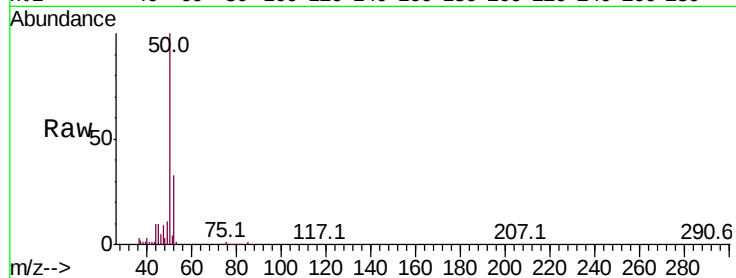
52 32.9 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.119 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011518.D

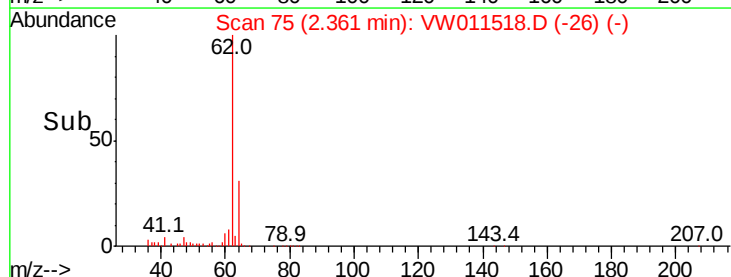
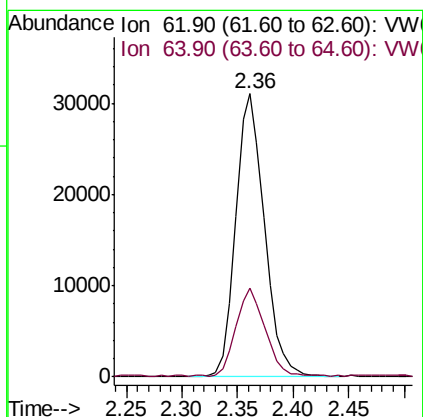
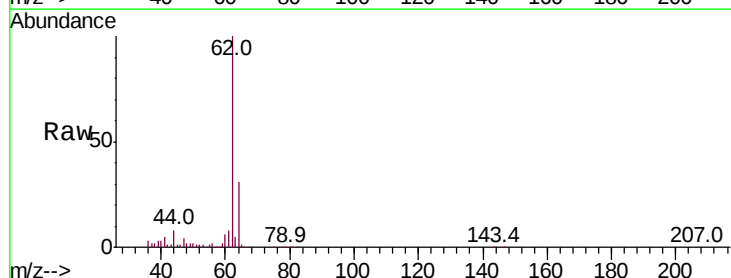
Acq: 26 Jul 2019 16:15

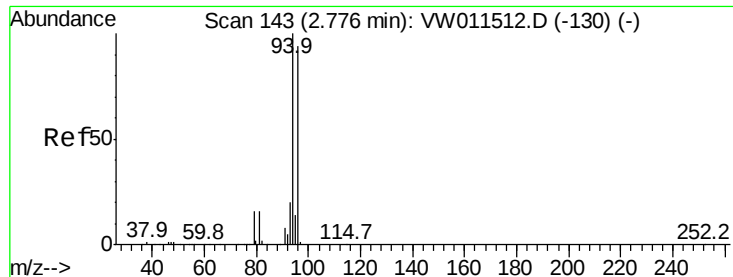
Tgt Ion: 62 Resp: 55337

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.4





#5

Bromomethane

Concen: 19.182 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS01

Tot Ion: 94 Resp: 29204

Ion Ratio Lower Upper

94 100

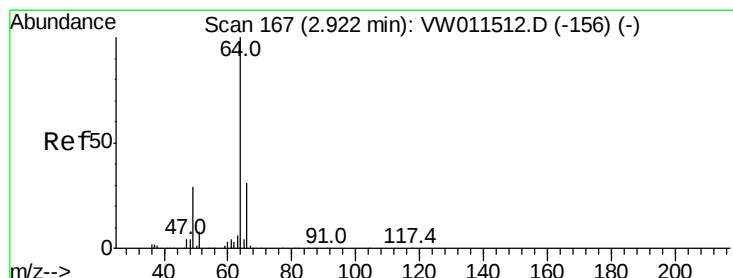
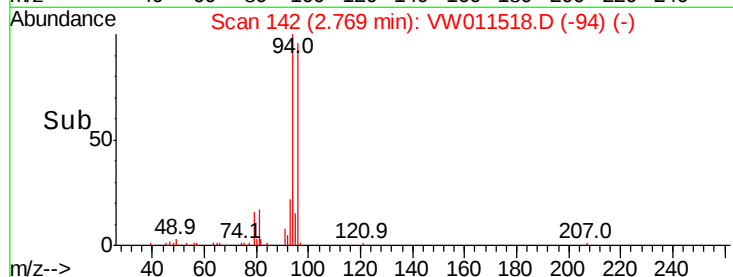
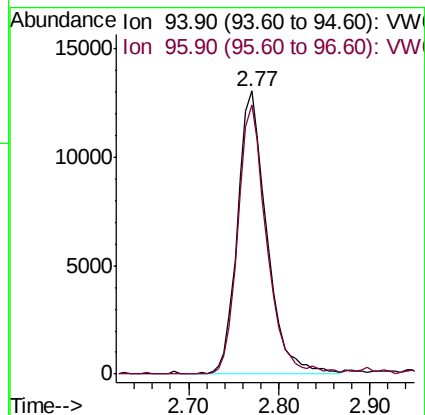
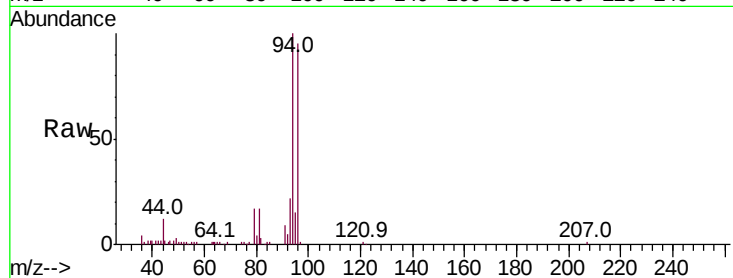
96 95.2 75.0 112.6

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#6

Chloroethane

Concen: 19.388 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011518.D

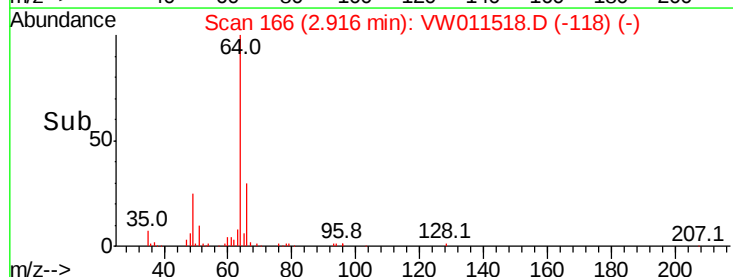
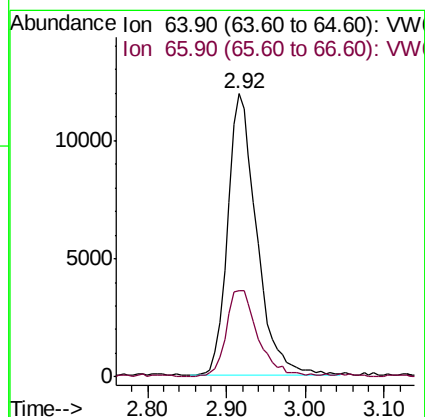
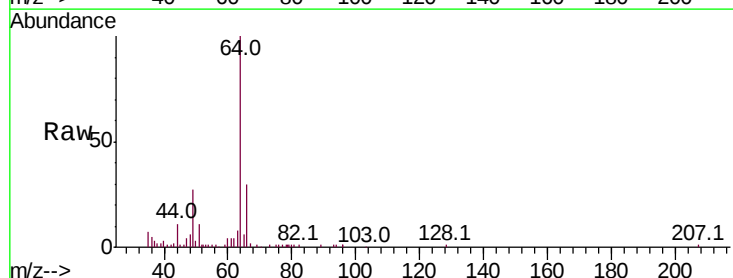
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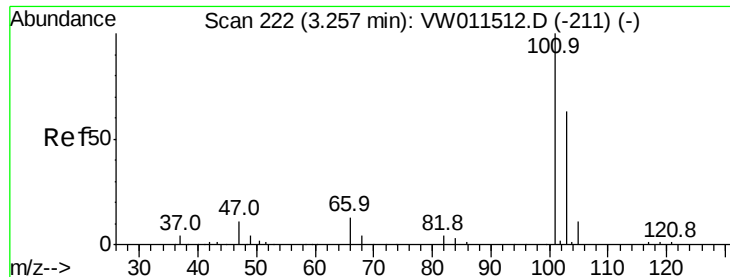
Tgt Ion: 64 Resp: 30461

Ion Ratio Lower Upper

64 100

66 30.5 24.6 36.8





#7

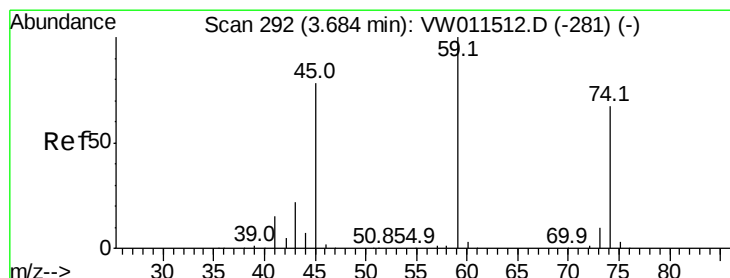
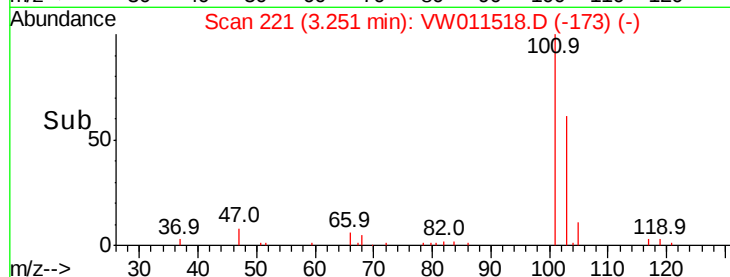
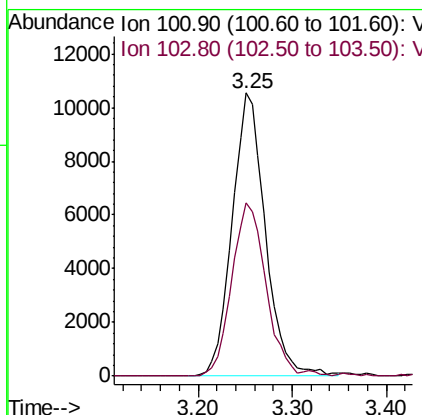
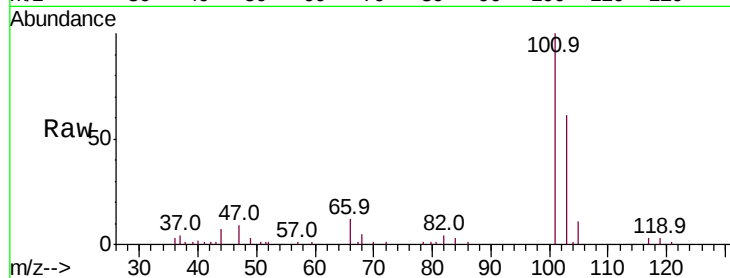
Trichlorofluoromethane
Concen: 21.050 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBSD01

Tot Ion:101 Resp: 25875
Ion Ratio Lower Upper
101 100
103 61.0 50.2 75.4

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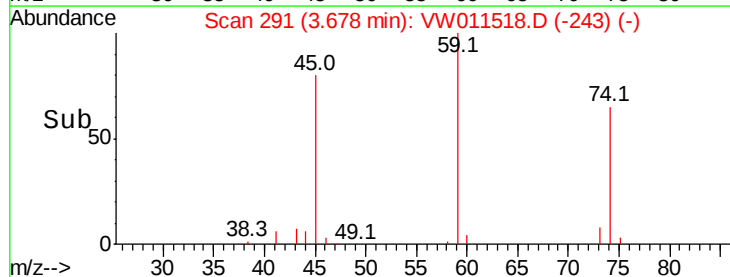
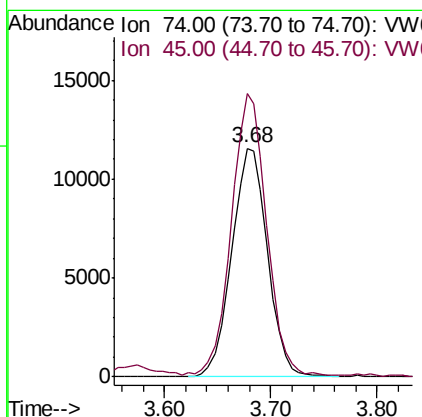
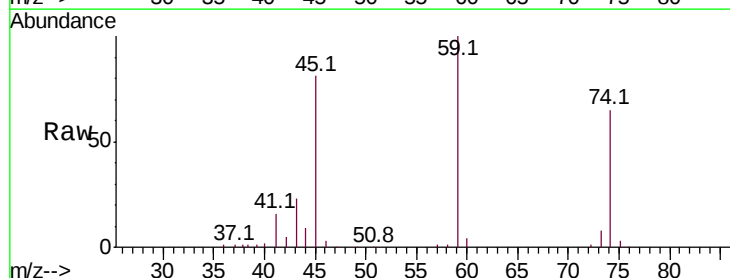
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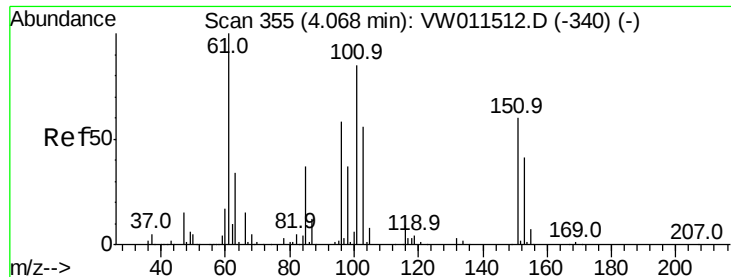


#8

Diethyl Ether
Concen: 19.473 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion: 74 Resp: 27140
Ion Ratio Lower Upper
74 100
45 121.0 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.963 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

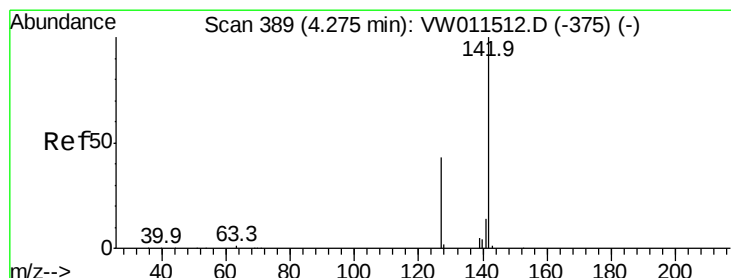
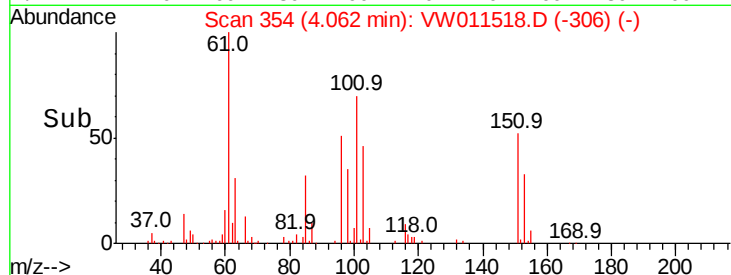
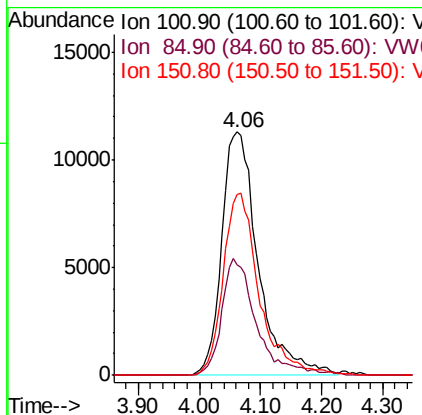
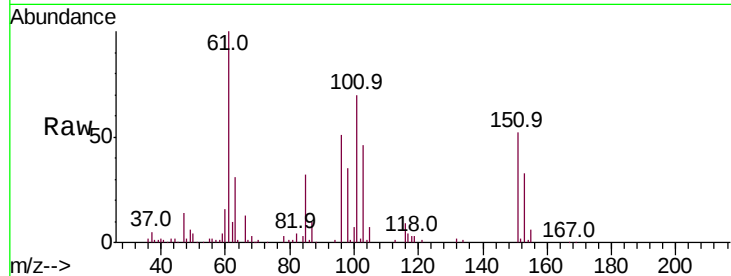
ClientSampleId :

VW0727SBS01

Tot Ion:	101	Resp:	46550
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.6	54.8
151	74.0	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.820 ug/l

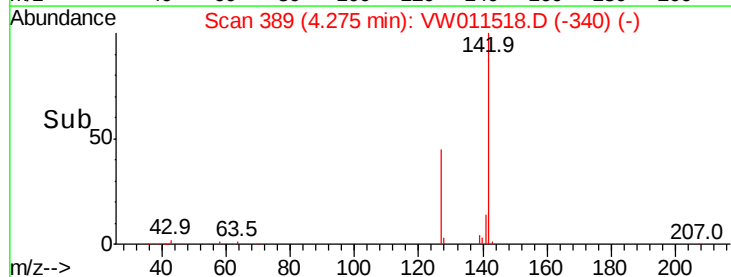
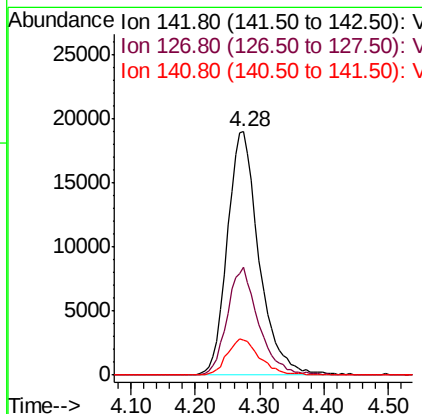
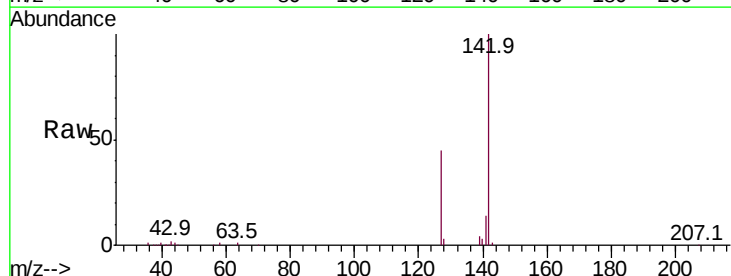
RT: 4.28 min Scan# 389

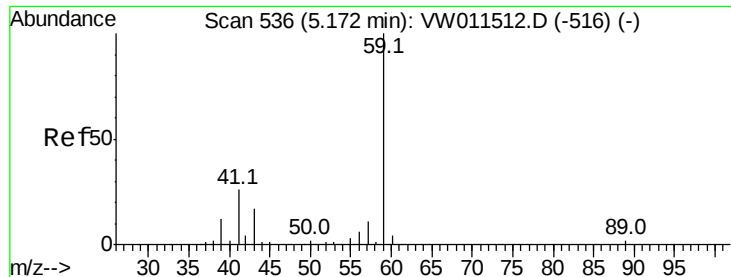
Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Tgt Ion:	142	Resp:	65313
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.0	52.6
141	15.3	11.9	17.9





#11

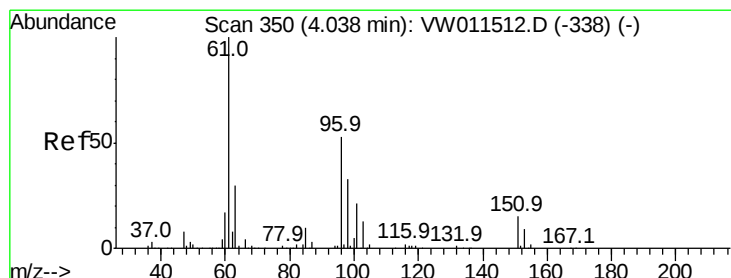
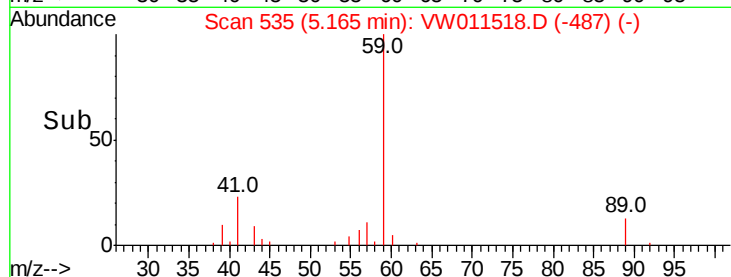
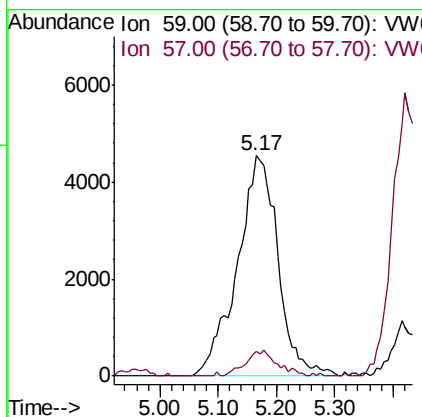
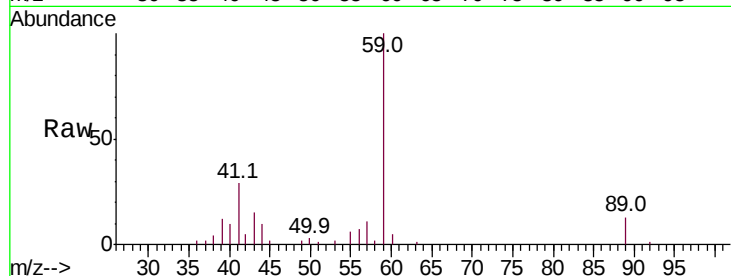
Tert butyl alcohol
 Concen: 99.146 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.5	12.7

Manual Integrations
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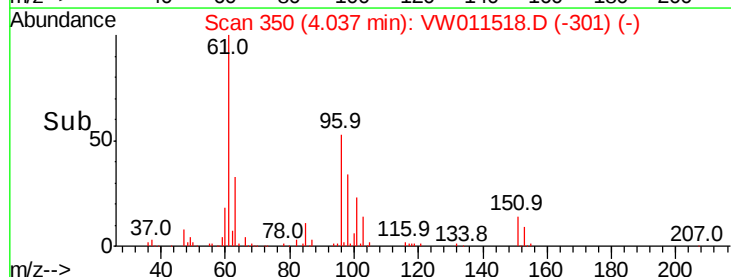
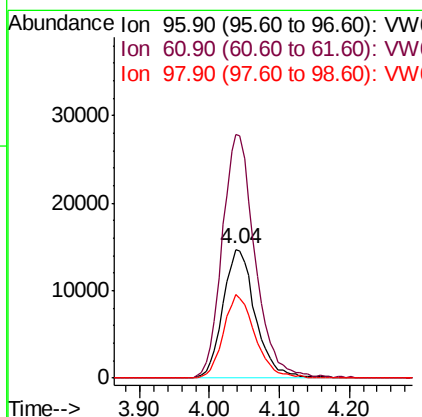
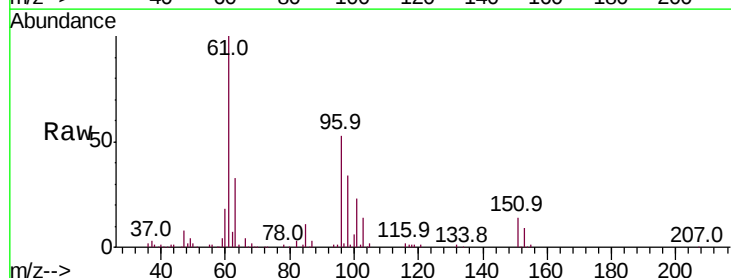
MMDadoda
 7/29/2019 9:18:59 AM

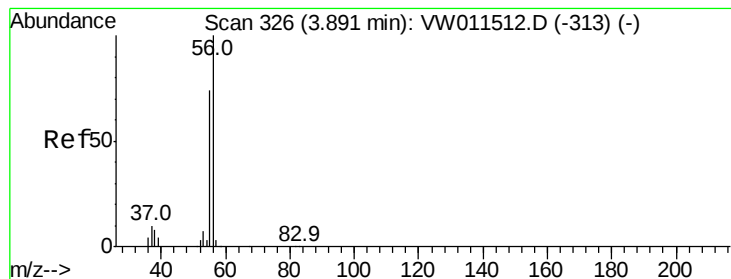


#12

1,1-Dichloroethene
 Concen: 19.299 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.7	149.9	224.9
98	64.9	49.1	73.7





#13

Acrolein

Concen: 91.550 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS01

Tot Ion: 56 Resp: 17832

Ion Ratio Lower Upper

56 100

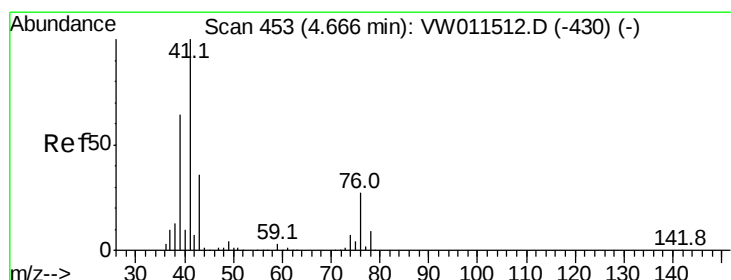
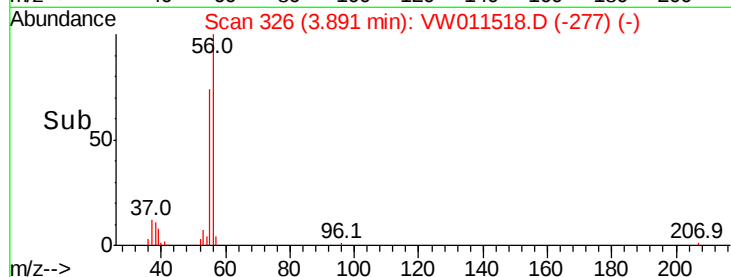
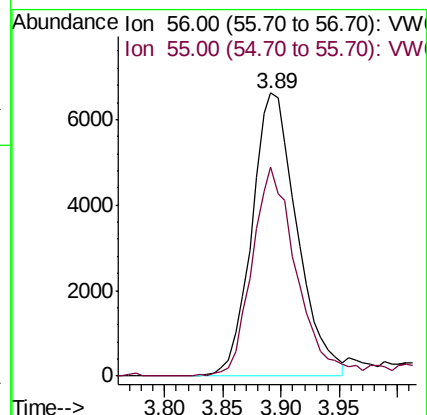
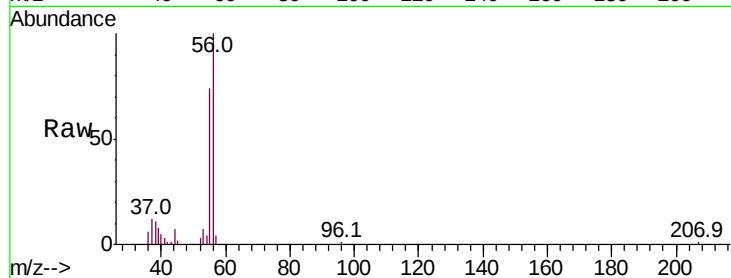
55 72.6 56.0 84.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.680 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

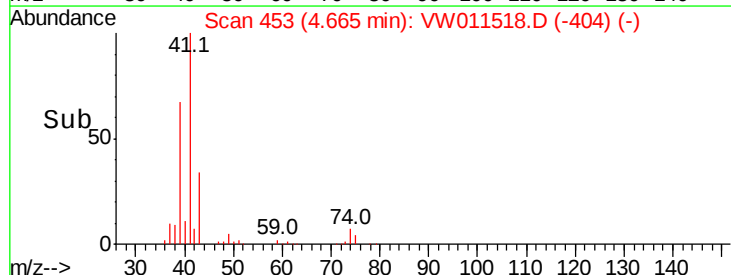
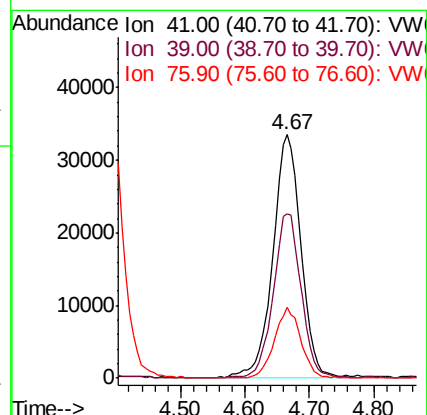
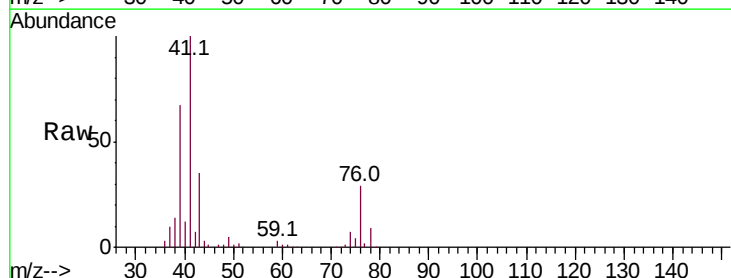
Tgt Ion: 41 Resp: 103056

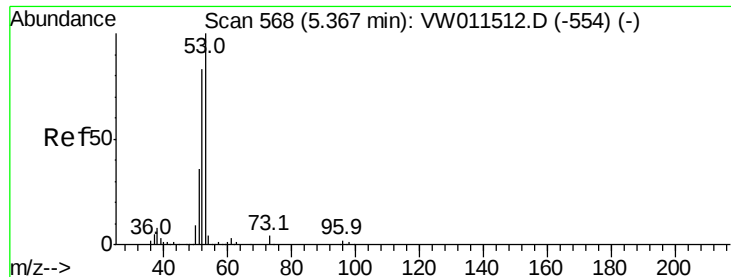
Ion Ratio Lower Upper

41 100

39 67.1 52.6 78.8

76 27.2 22.0 33.0





#15

Acrylonitrile

Concen: 96.407 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

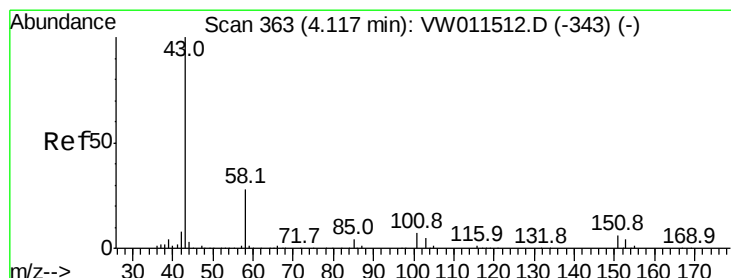
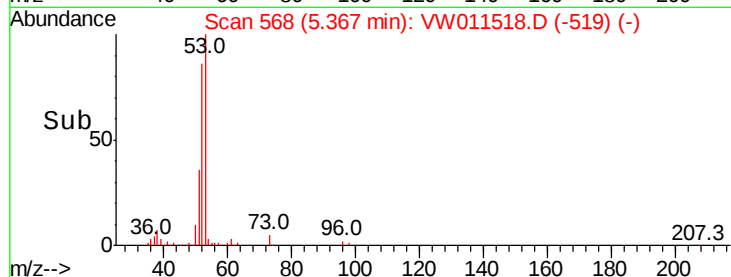
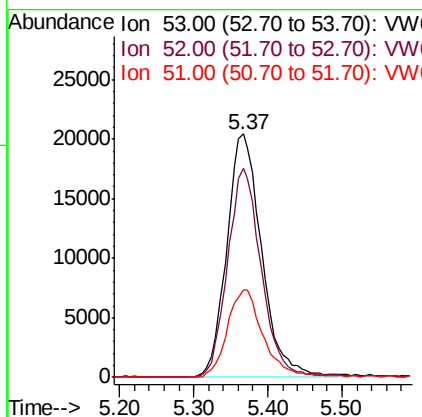
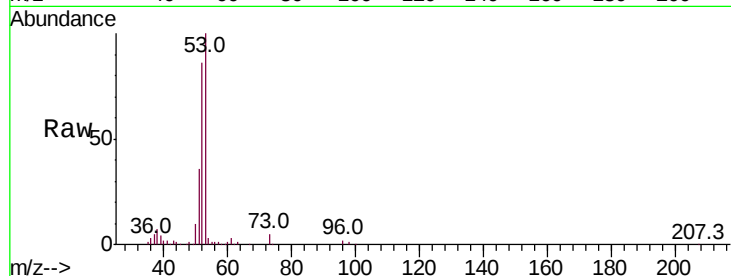
ClientSampleID :

VW0727SBS01

Tot Ion:	53	Resp:	67073
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.2	100.8
51	36.6	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 82.112 ug/l

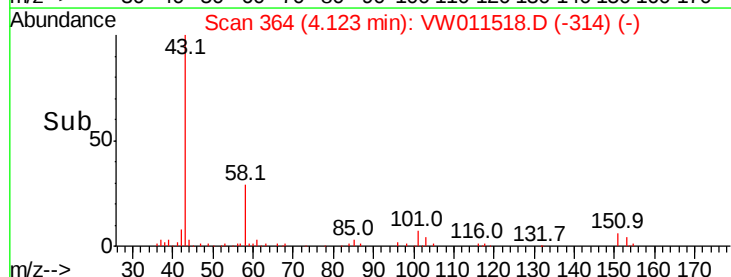
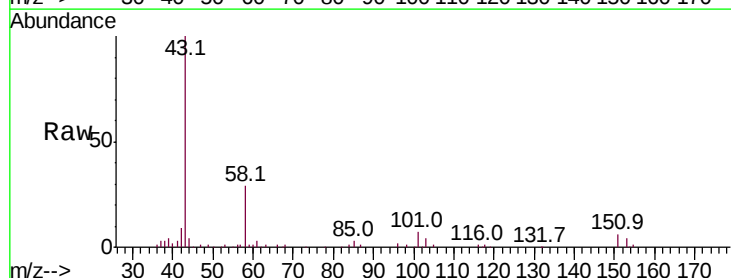
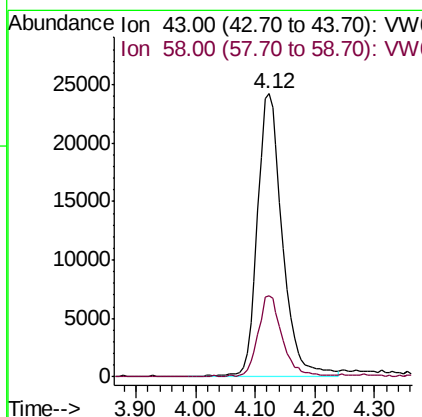
RT: 4.12 min Scan# 364

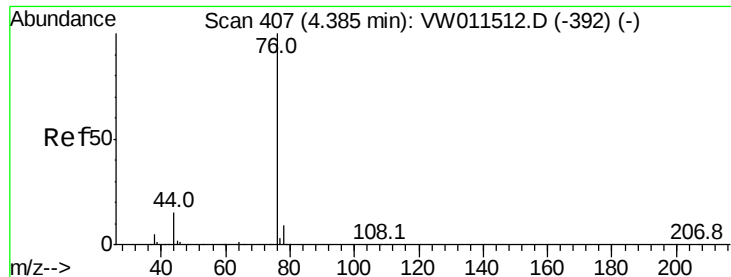
Delta R.T. 0.01 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Tgt Ion:	43	Resp:	70904
Ion	Ratio	Lower	Upper
43	100		
58	28.7	22.3	33.5





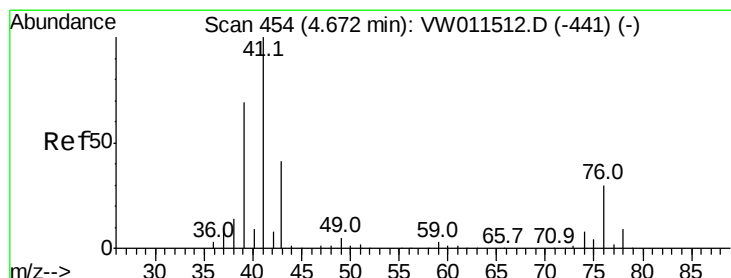
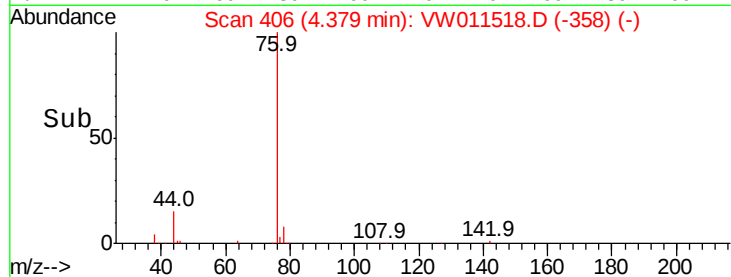
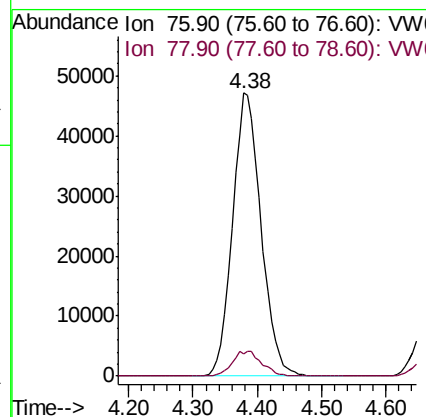
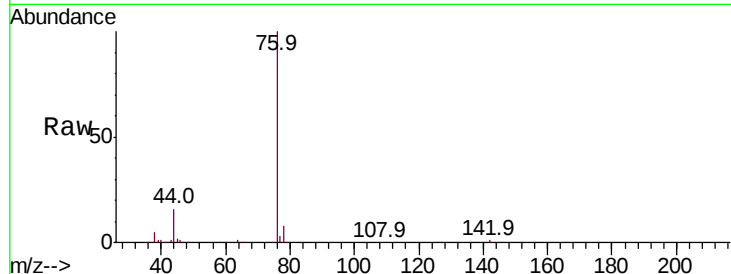
#17
Carbon Disulfide
Concen: 18.893 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS01

Tot Ion: 76 Resp: 145583
Ion Ratio Lower Upper
76 100
78 8.0 7.1 10.7

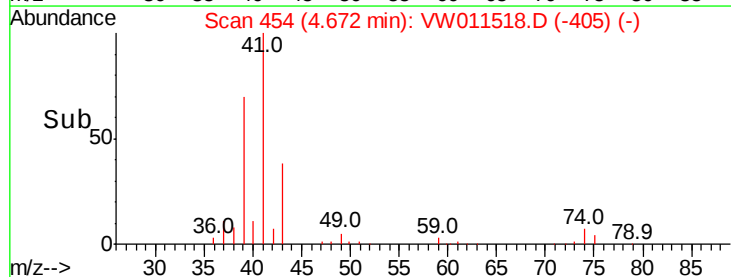
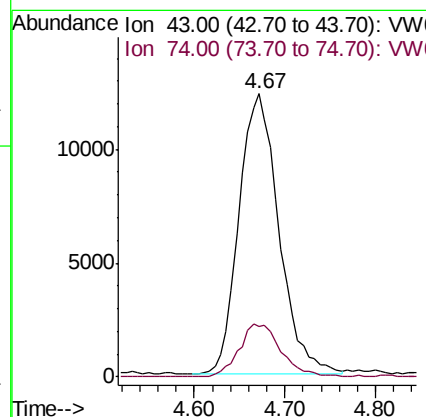
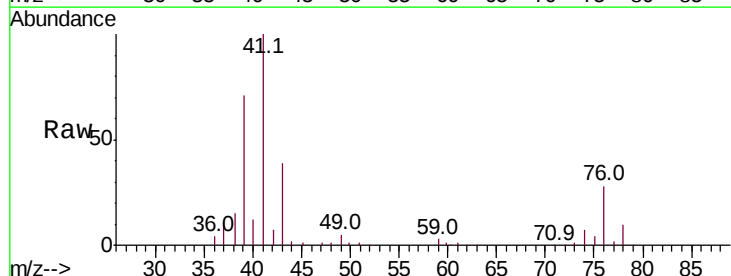
Manual Integrations
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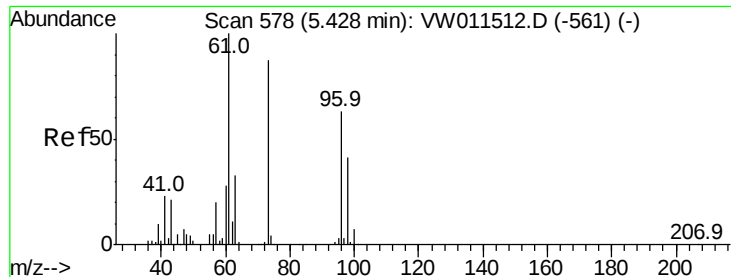
MMDadoda
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#18
Methyl Acetate
Concen: 19.484 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion: 43 Resp: 37795
Ion Ratio Lower Upper
43 100
74 19.6 15.9 23.9





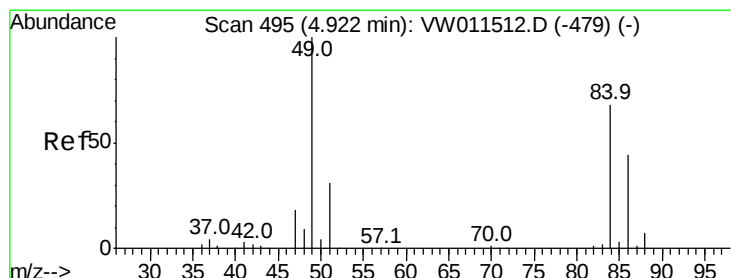
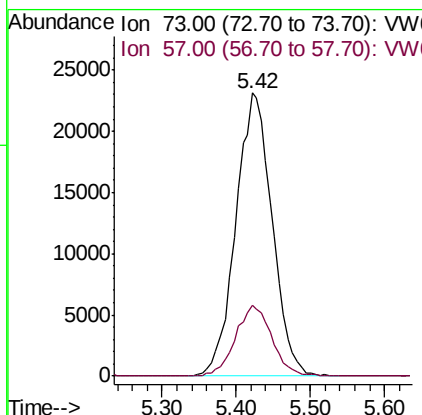
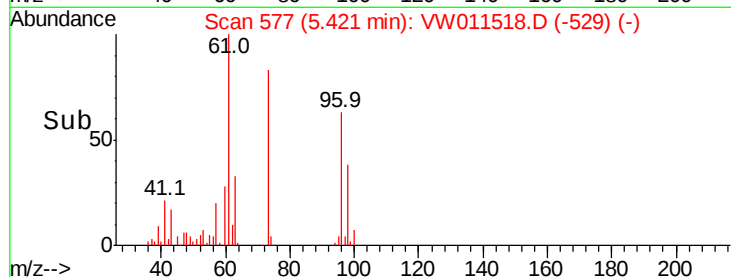
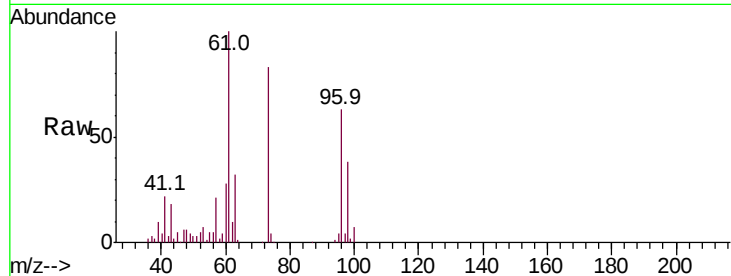
#19
Methvl tert-butvl Ether
Concen: 20.188 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBSD01

Tot Ion	73	Resp	78873
Ion Ratio	Lower	Upper	
73	100		
57	25.2	18.4	27.6

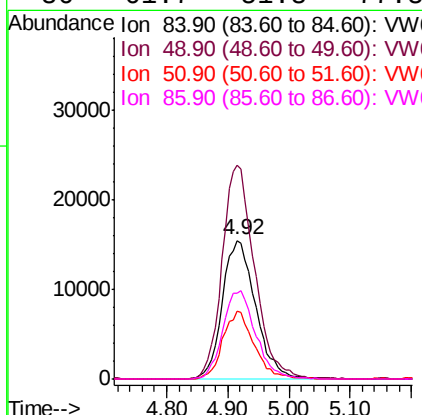
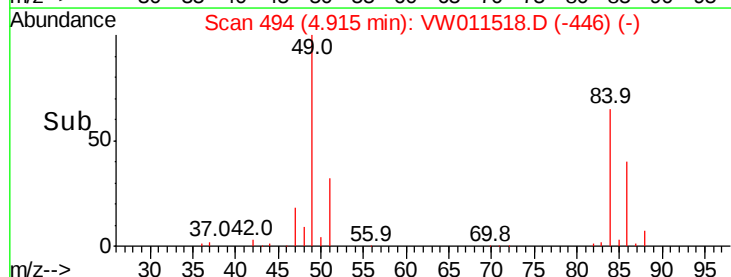
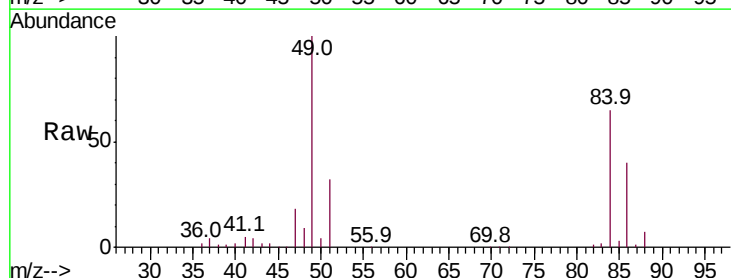
Manual Integrations
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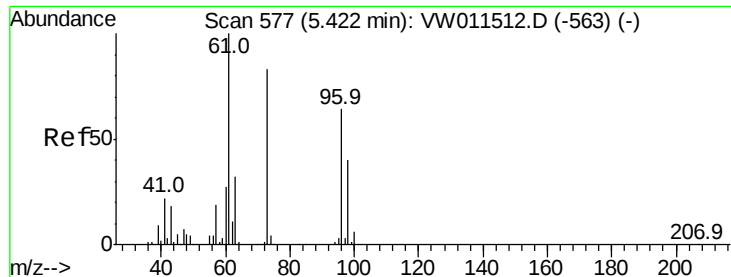
MMDadoda
7/29/2019 9:18:59 AM



#20
Methylene Chloride
Concen: 19.417 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion	84	Resp	57824
Ion Ratio	Lower	Upper	
84	100		
49	153.6	117.8	176.6
51	48.6	37.0	55.4
86	61.7	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 19.608 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS01

Tot Ion: 96 Resp: 52048

Ion Ratio Lower Upper

96 100

61 158.9 125.7 188.5

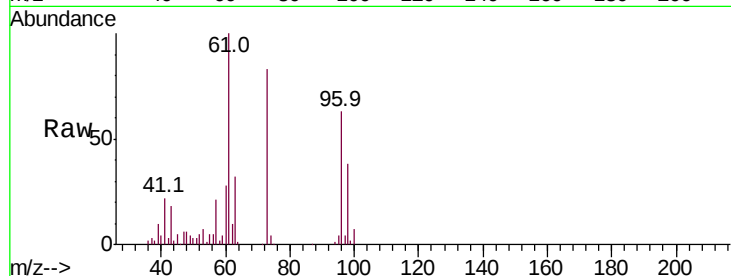
98 59.6 50.3 75.5

Manual Integrations

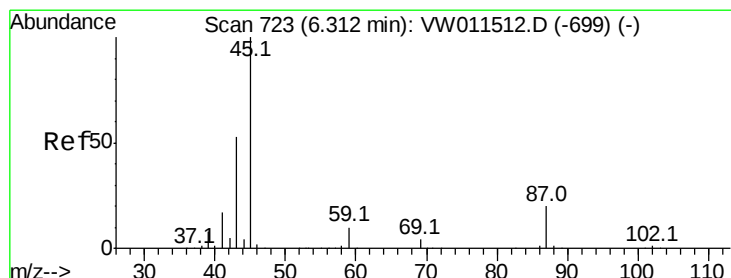
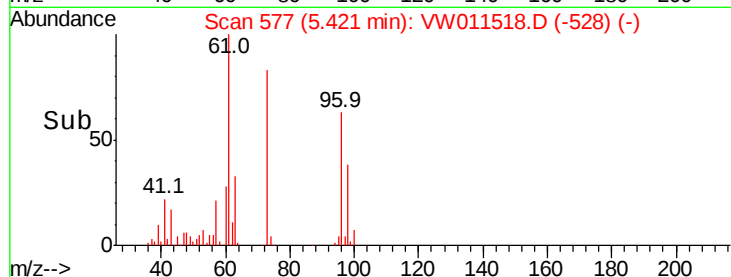
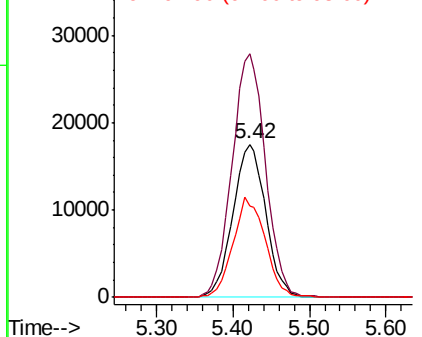
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.723 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Tgt Ion: 45 Resp: 194716

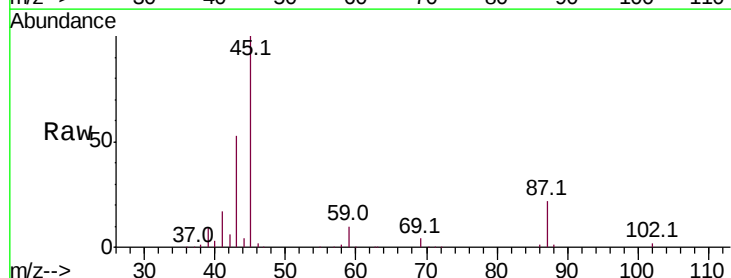
Ion Ratio Lower Upper

45 100

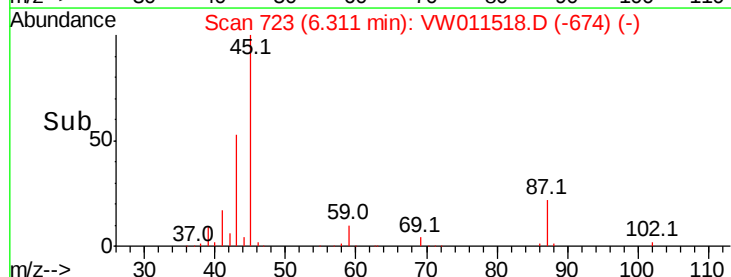
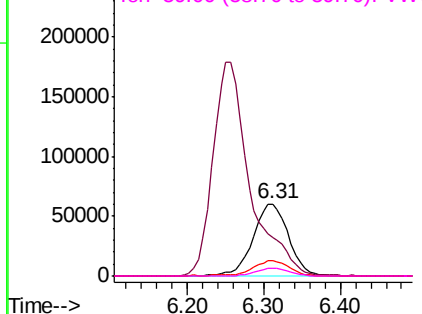
43 52.3 42.6 63.8

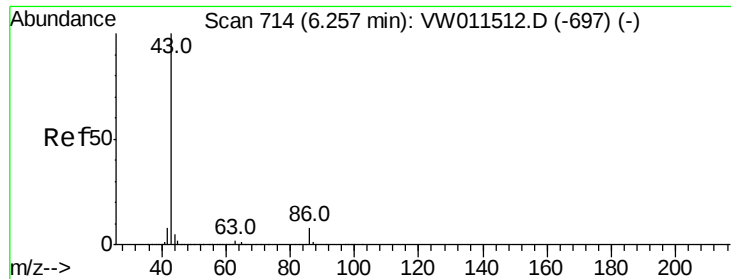
87 21.5 16.4 24.6

59 10.2 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 96.712 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS01

Tot Ion: 43 Resp: 599965

Ion Ratio Lower Upper

43 100

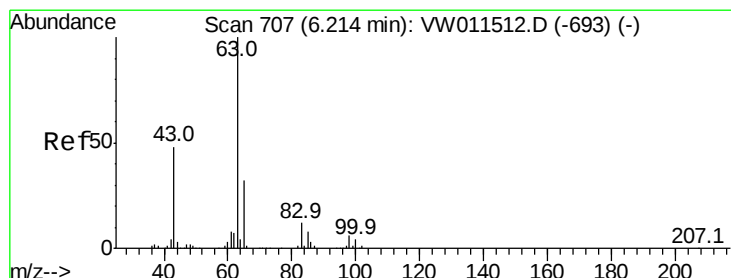
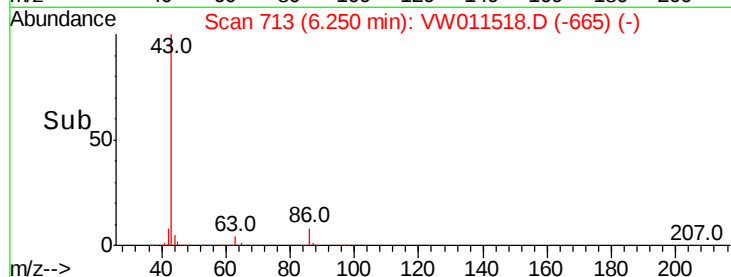
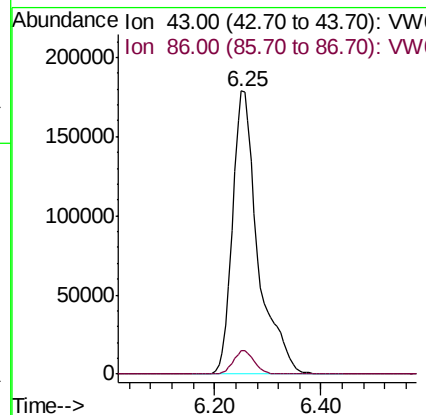
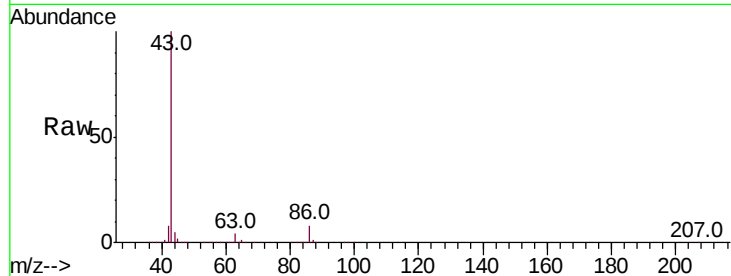
86 8.3 6.5 9.7

Manual Integrations

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MMDadoda

7/29/2019 9:18:59 AM



#24

1,1-Dichloroethane

Concen: 19.549 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

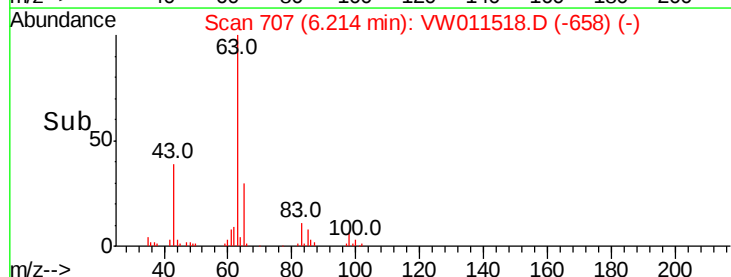
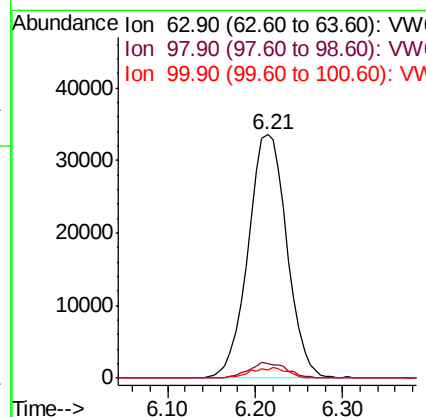
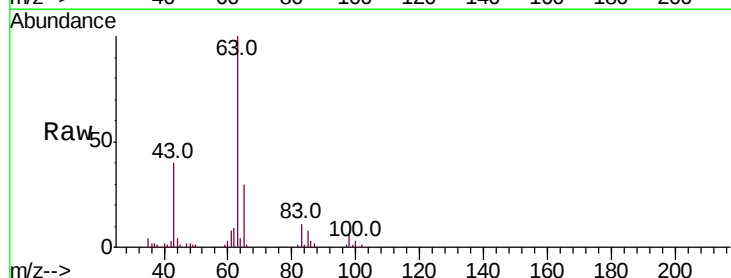
Tgt Ion: 63 Resp: 103367

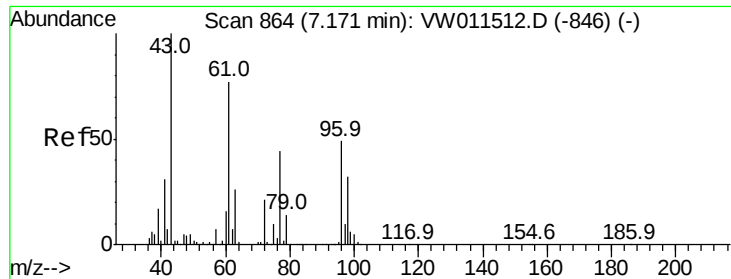
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 3.4 2.1 6.3





#25

2-Butanone

Concen: 91.358 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS01

Tot Ion: 43 Resp: 103227

Ion Ratio Lower Upper

43 100

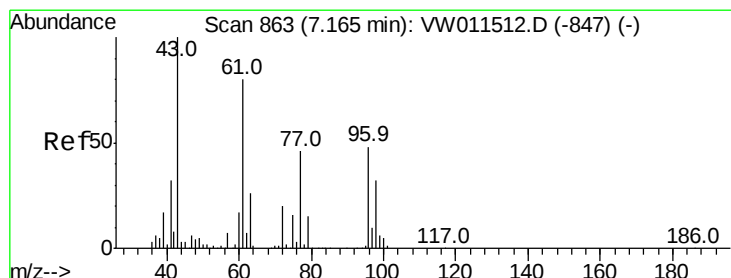
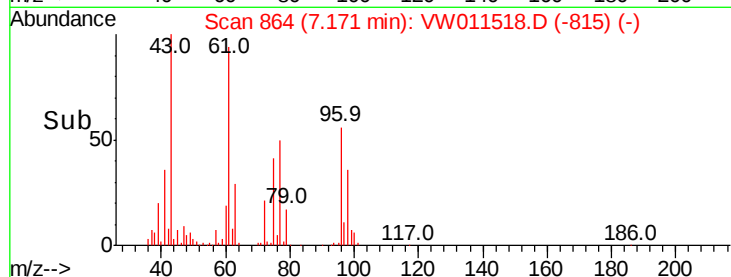
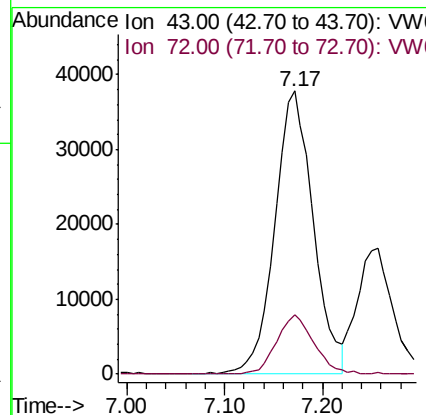
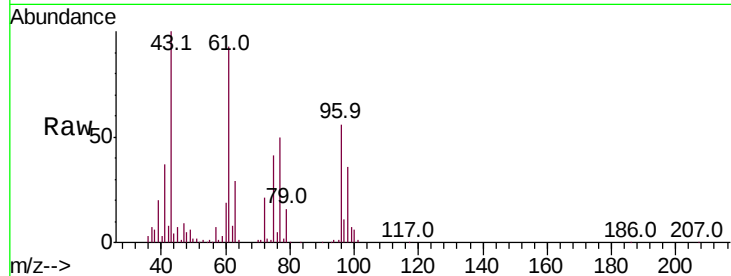
72 21.1 16.6 24.8

Manual Integrations

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7/29/2019 9:18:59 AM



#26

2,2-Dichloropropane

Concen: 19.774 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011518.D

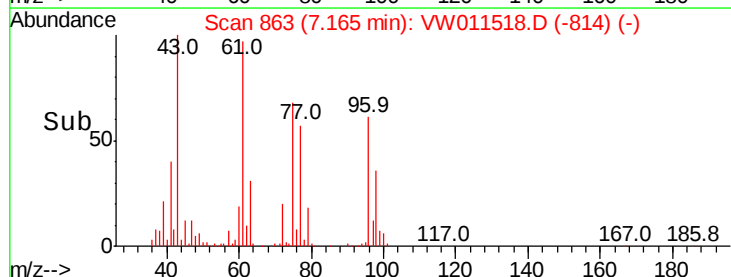
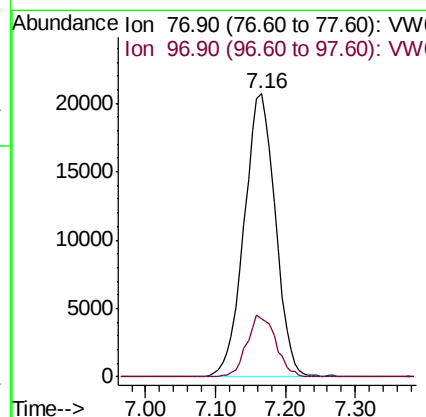
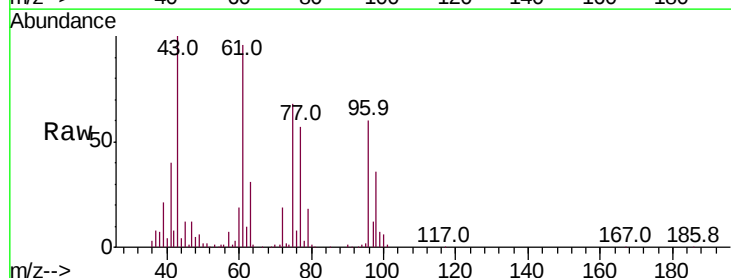
Acq: 26 Jul 2019 16:15

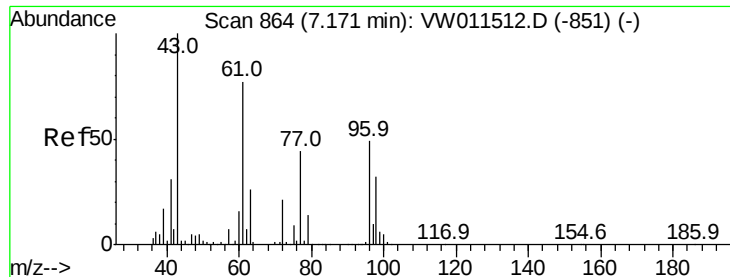
Tgt Ion: 77 Resp: 64300

Ion Ratio Lower Upper

77 100

97 20.0 10.8 32.4





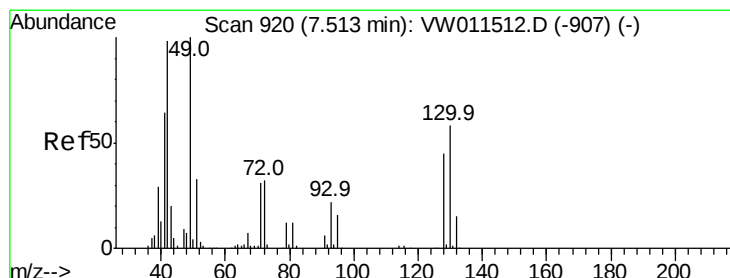
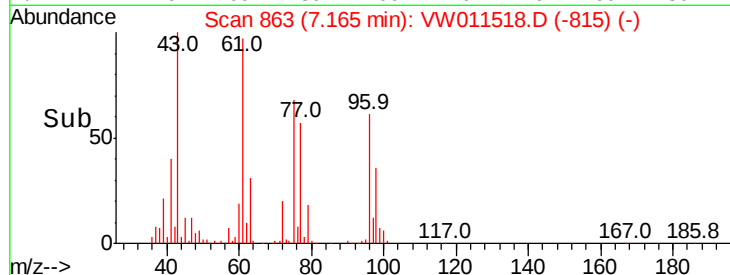
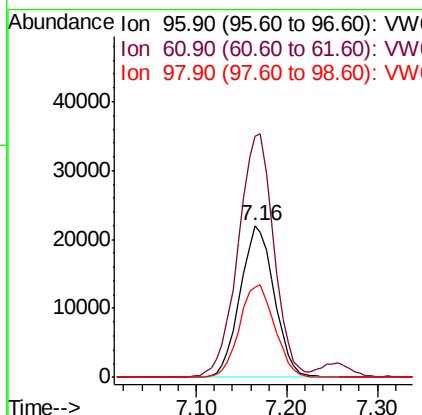
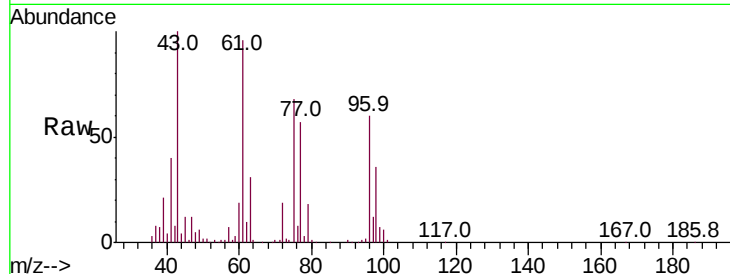
#27
 cis-1,2-Dichloroethene
 Concen: 19.593 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.9	0.0	328.4
98	62.8	0.0	128.8

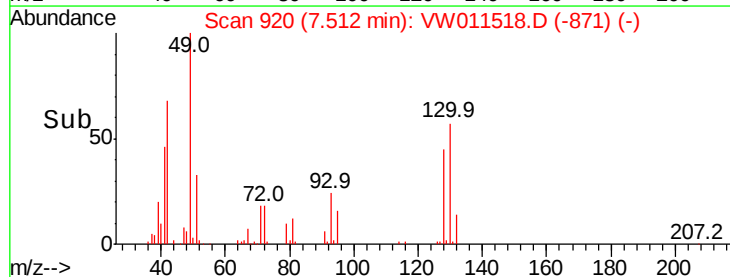
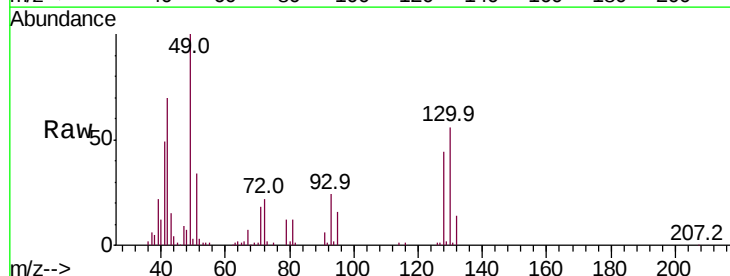
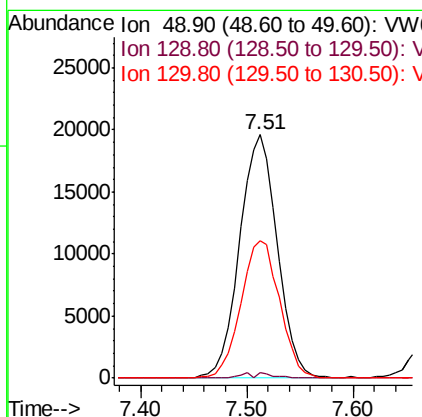
Manual Integrations
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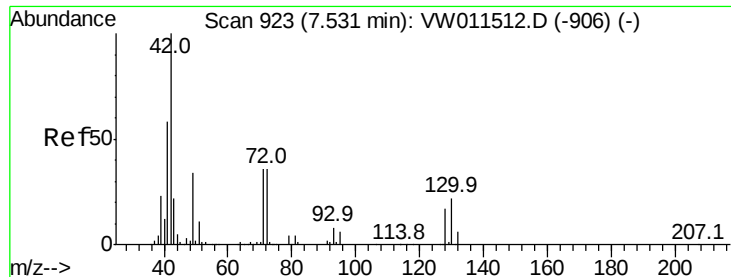
MMDadoda
 7/29/2019 9:18:59 AM



#28
 Bromochloromethane
 Concen: 20.755 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.0
130	57.9	46.3	69.5





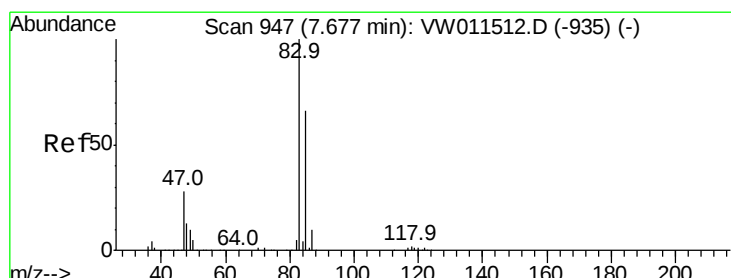
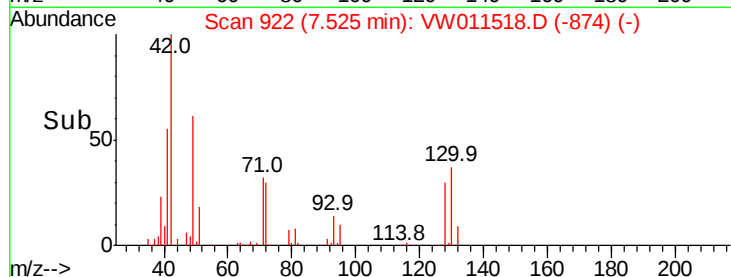
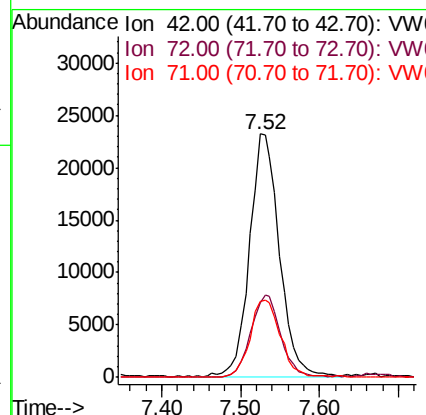
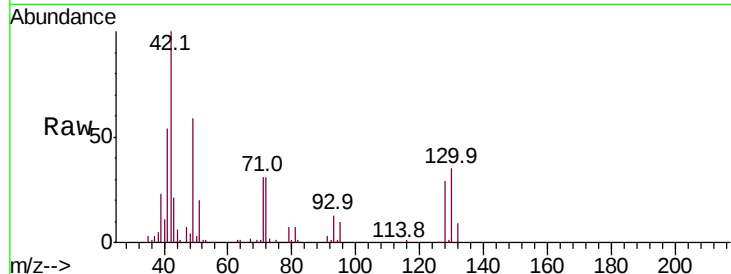
#29
Tetrahydrofuran
Concen: 93.985 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	27.1	40.7
71	32.6	26.2	39.4

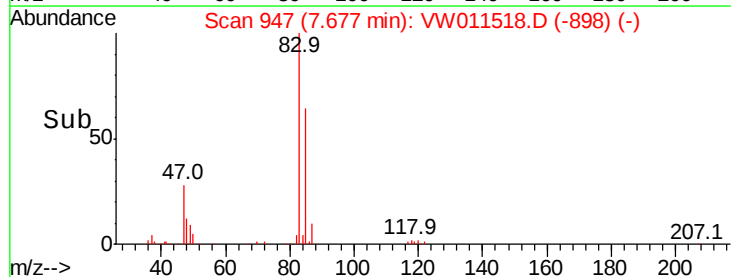
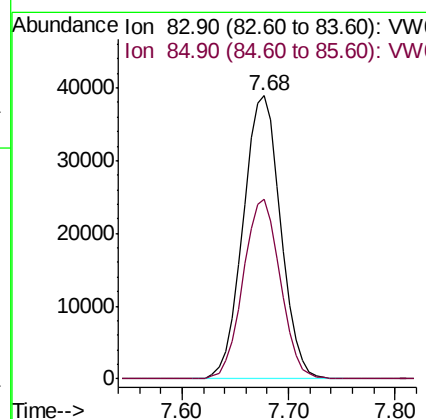
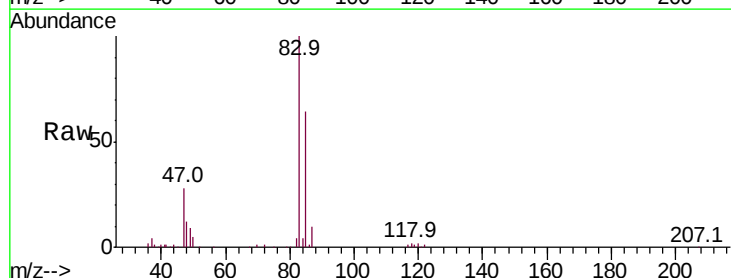
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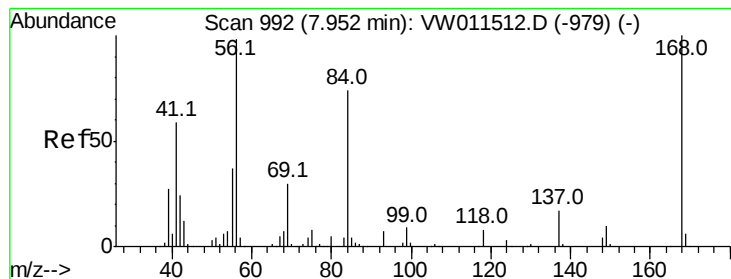
MMDadoda
7/29/2019 9:18:59 AM



#30
Chloroform
Concen: 19.725 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7





#31

Cyclohexane

Concen: 19.733 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

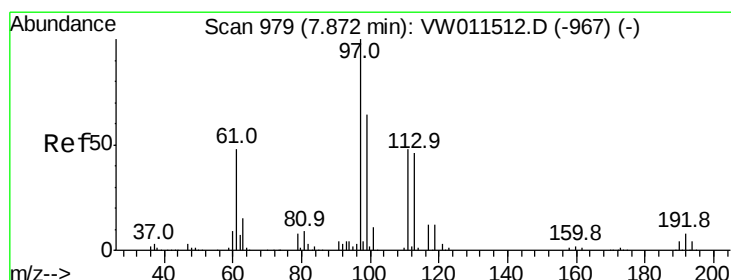
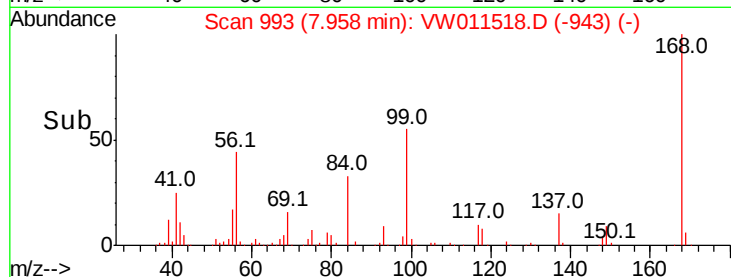
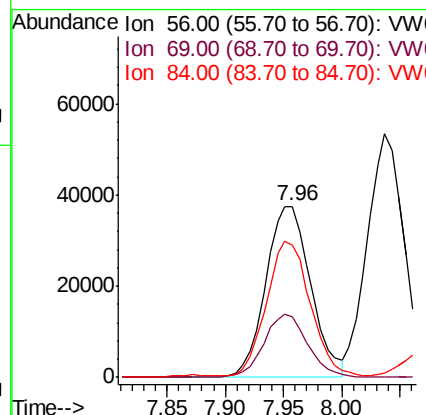
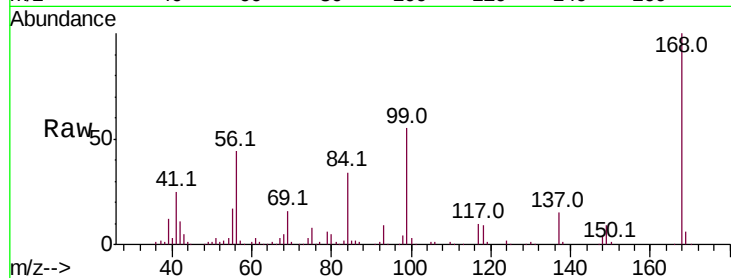
ClientSampled :

VW0727SBSD01

Tot Ion	56	Resp	100155
Ion Ratio	Lower	Upper	
56	100		
69	35.7	24.3	36.5
84	76.1	60.4	90.6

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#32

1,1,1-Trichloroethane

Concen: 19.623 ug/l

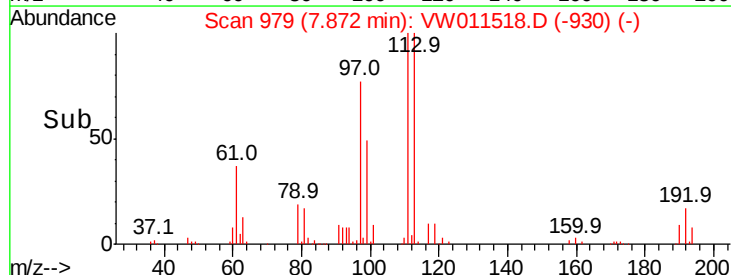
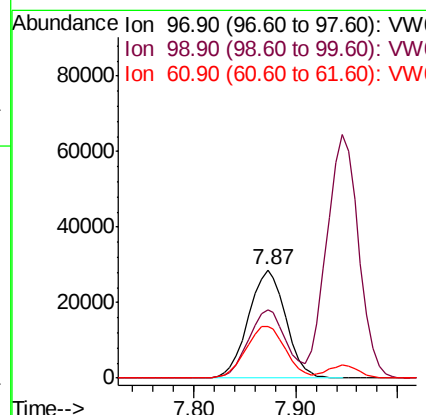
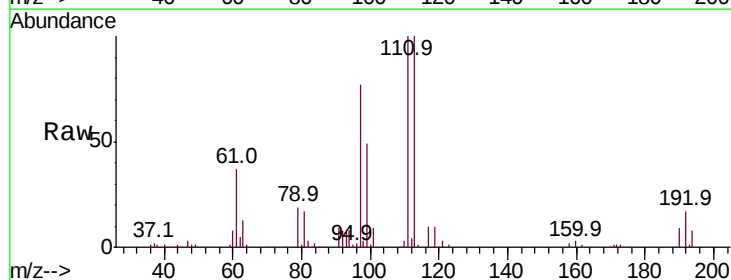
RT: 7.87 min Scan# 979

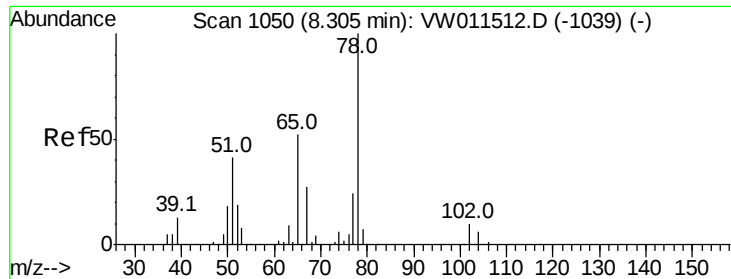
Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Tgt Ion	97	Resp	72899
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.6
61	50.1	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 50.675 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS01

Tot Ion: 65 Resp: 137560

Ion Ratio Lower Upper

65 100

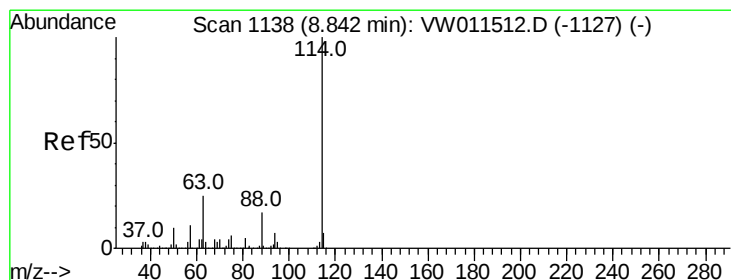
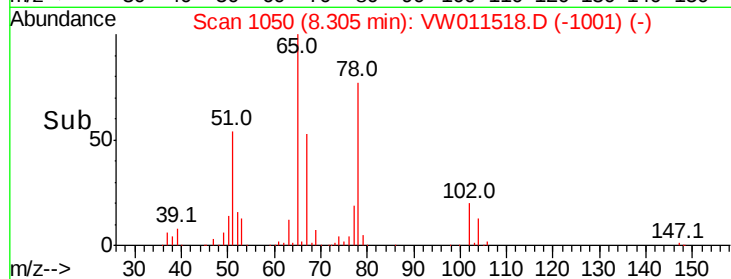
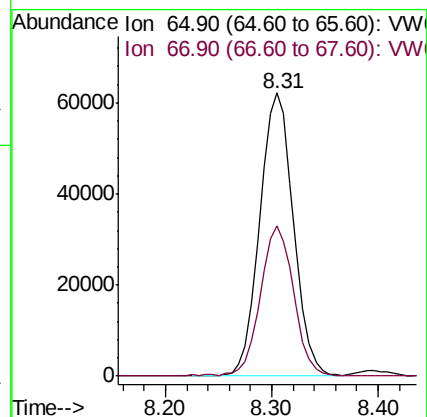
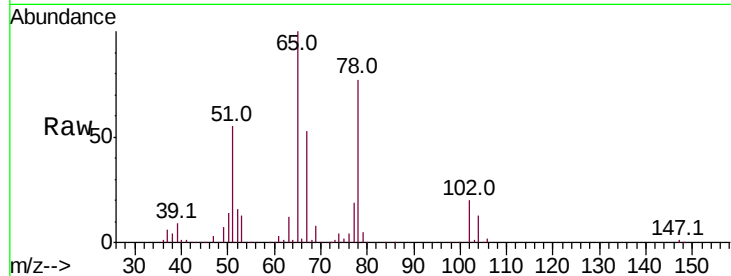
67 52.6 0.0 105.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

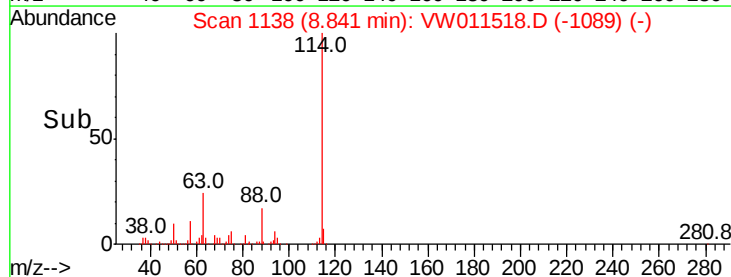
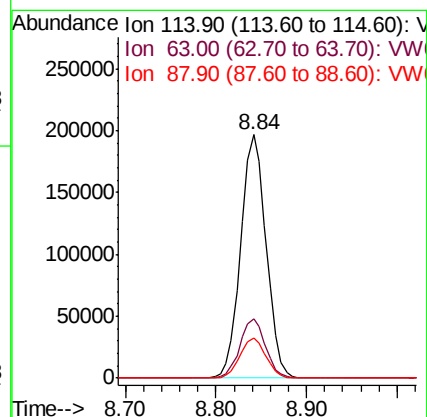
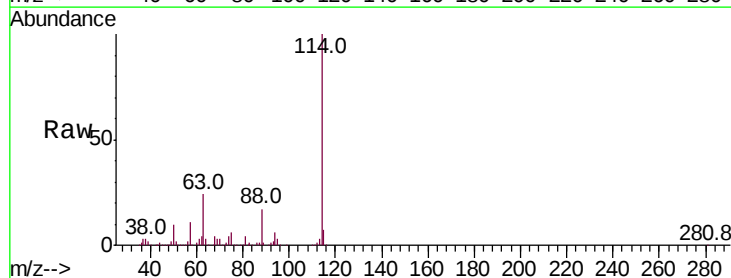
Tgt Ion: 114 Resp: 381598

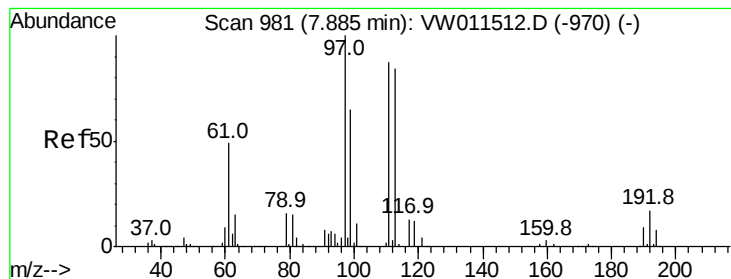
Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.2

88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.438 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

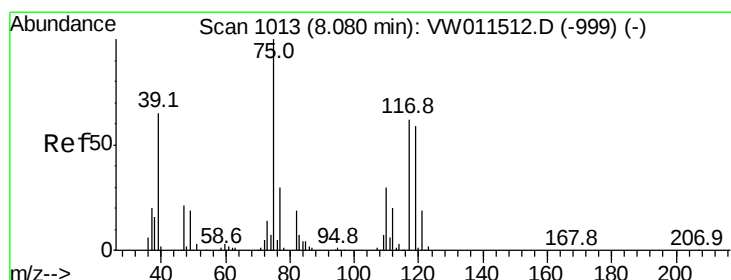
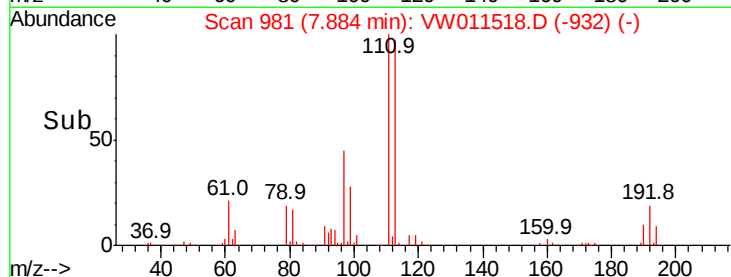
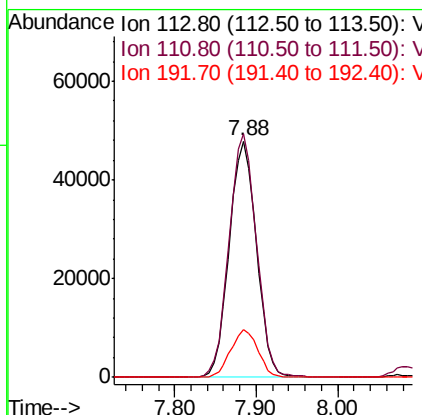
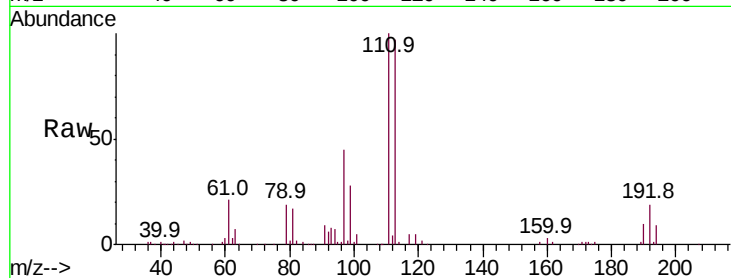
ClientSampleId :

VW0727SBS01

Tot Ion:	113	Resp:	110121
Ion Ratio	Lower	Upper	
113	100		
111	103.9	82.7	124.1
192	20.1	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 19.812 ug/l

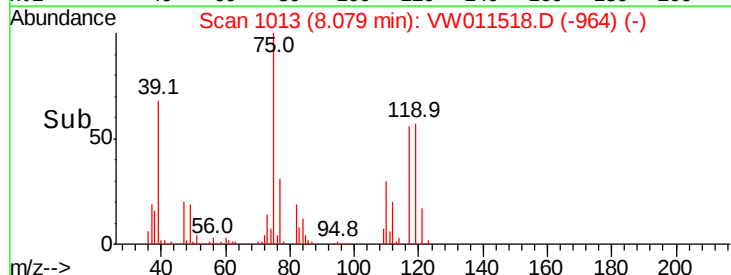
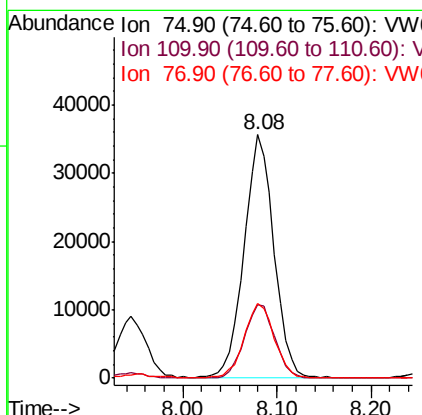
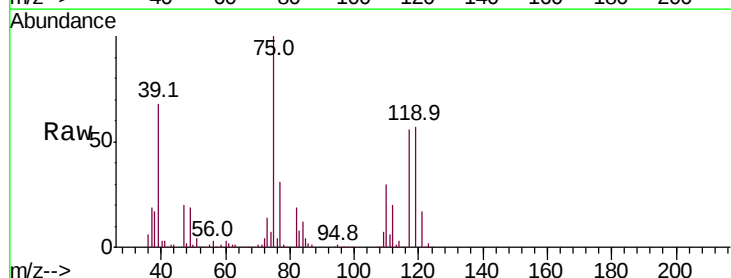
RT: 8.08 min Scan# 1013

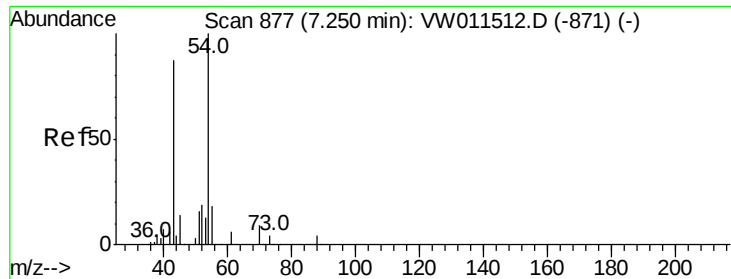
Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Tgt Ion:	75	Resp:	78614
Ion Ratio	Lower	Upper	
75	100		
110	30.9	15.6	46.8
77	31.5	24.3	36.5





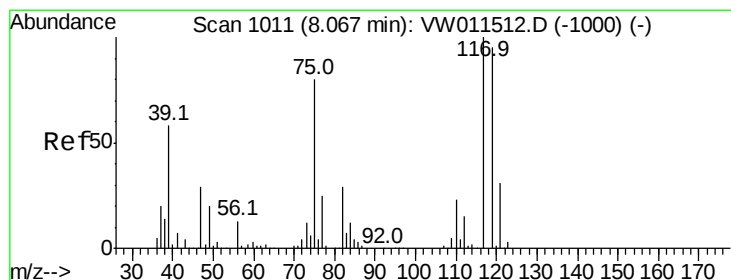
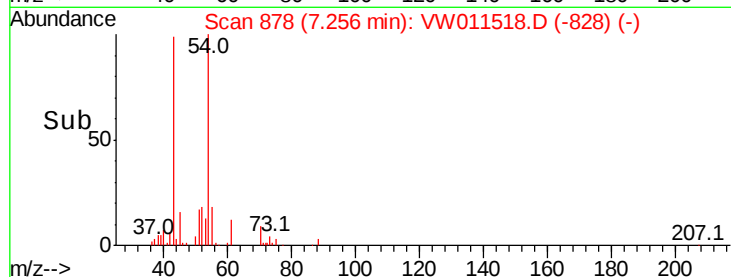
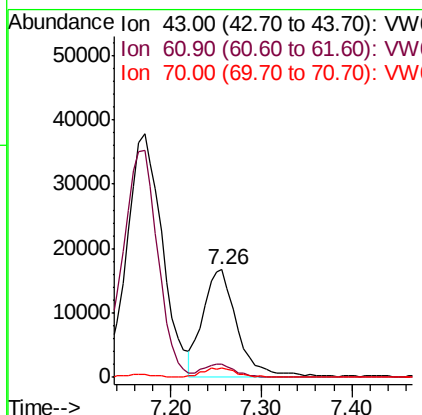
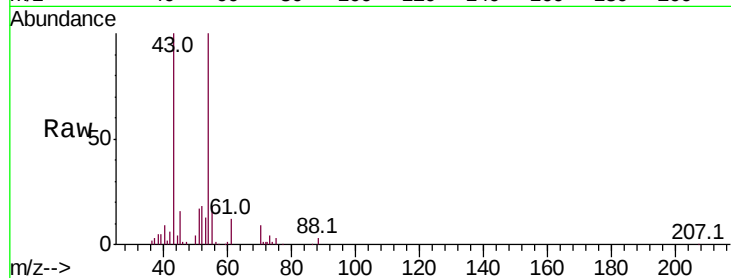
#37
Ethyl Acetate
Concen: 18.953 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	8.8	13.2
70	9.0	7.1	10.7

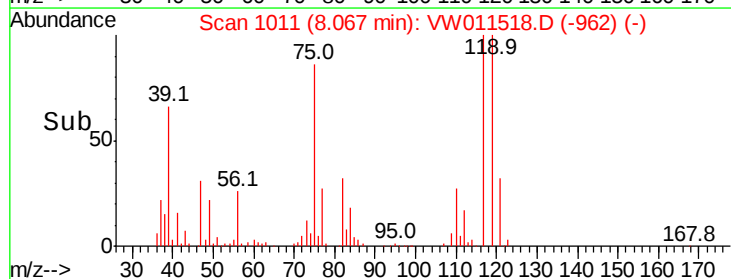
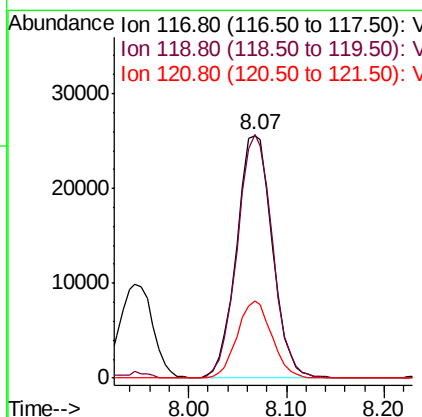
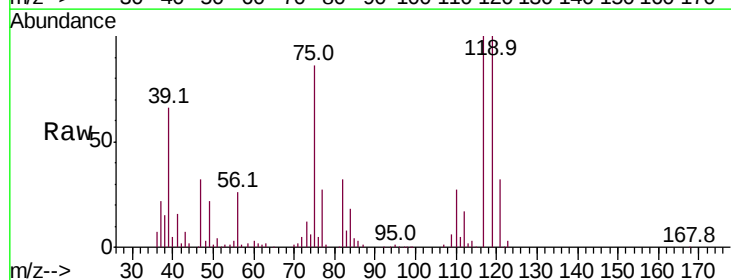
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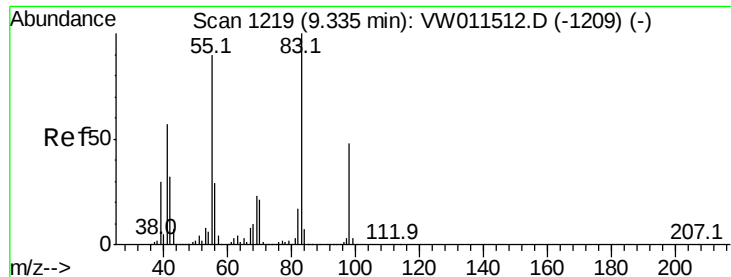
MMDadoda
7/29/2019 9:18:59 AM



#38
Carbon Tetrachloride
Concen: 19.165 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.2	75.8	113.6
121	31.8	24.7	37.1





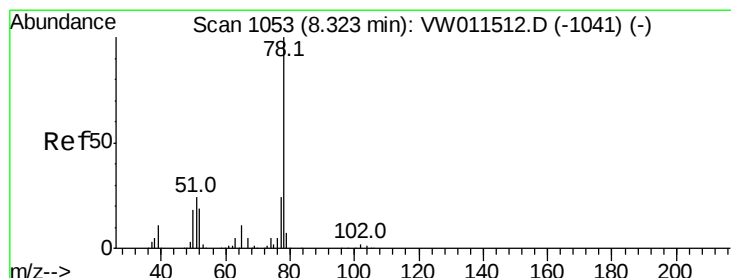
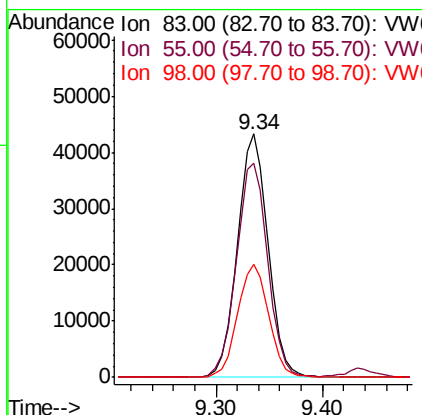
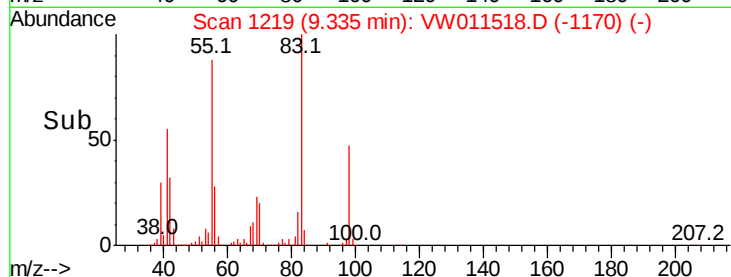
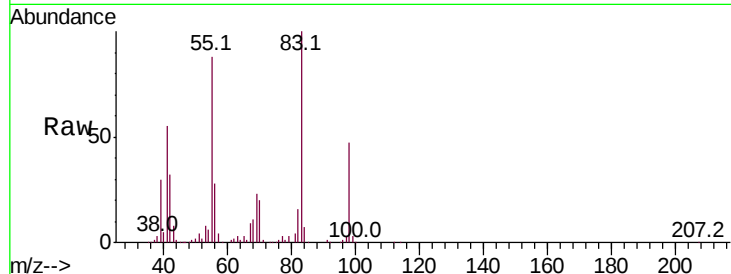
#39
Methvlcvclohexane
Concen: 20.029 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.1	72.1	108.1
98	46.5	38.6	57.8

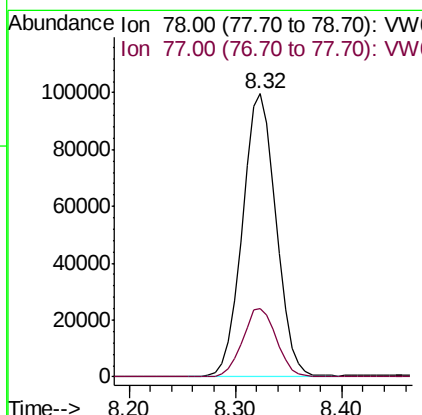
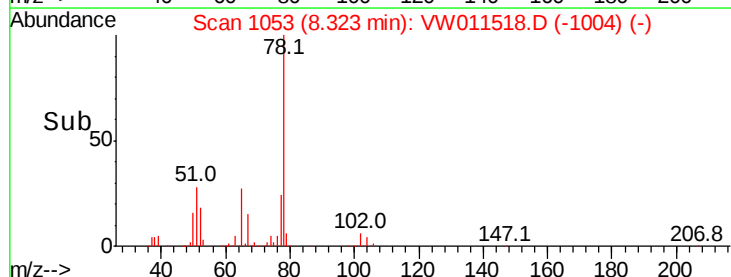
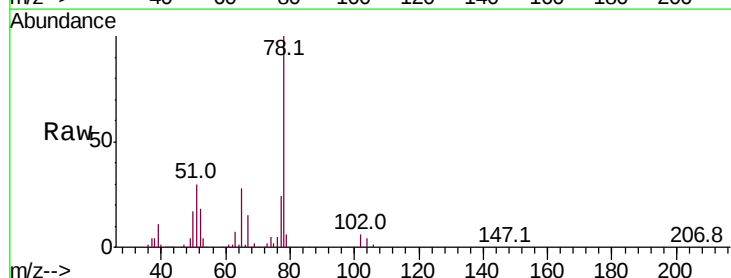
Manual Integrations
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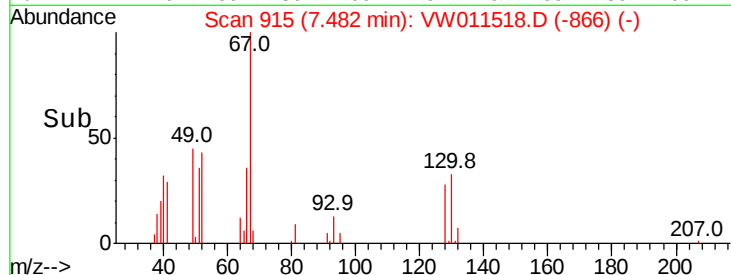
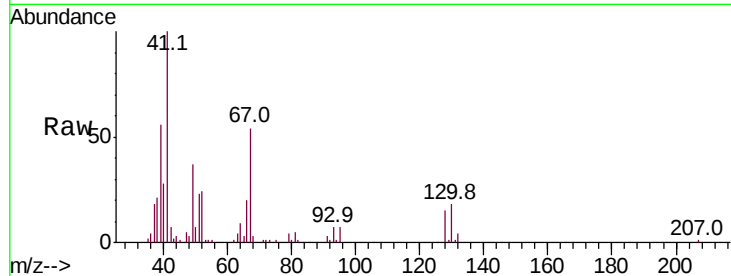
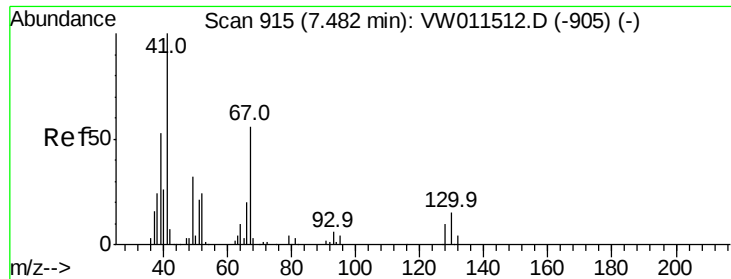
MMDadoda
7/29/2019 9:18:59 AM



#40
Benzene
Concen: 19.947 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

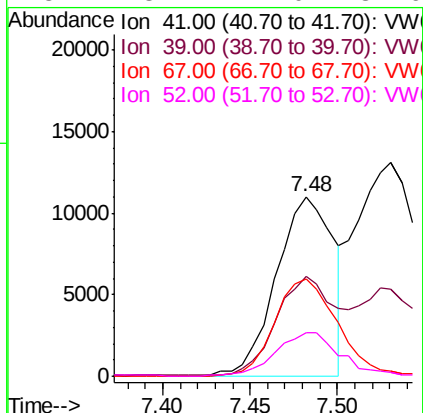
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





#41
Methacrylonitrile
Concen: 18.335 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

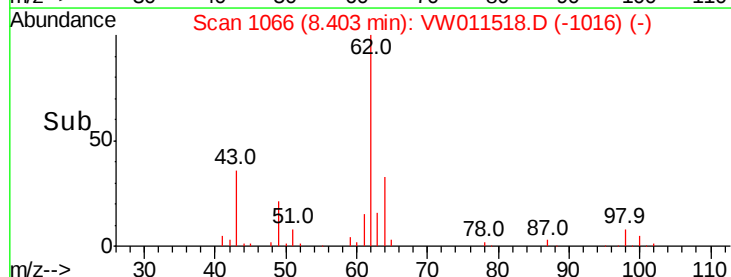
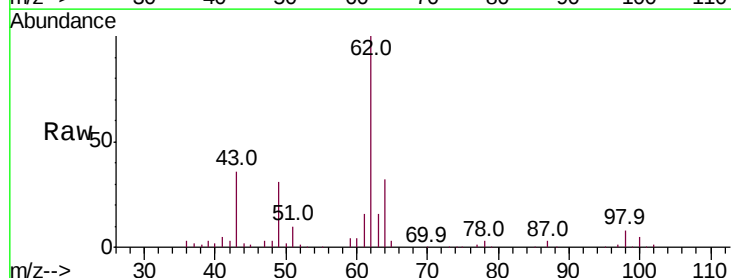
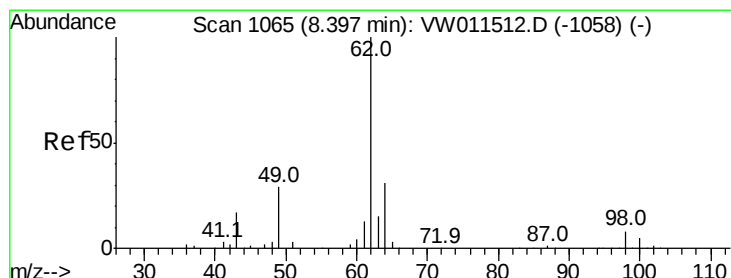
Tot Ion	41	Resp	25021
Ion	Ratio	Lower	Upper
41	100		
39	59.0	43.0	64.4
67	60.5	47.5	71.3
52	28.1	21.0	31.6



Instrument :
MSVOA_W
ClientSampleId :
VW0727SBSD01

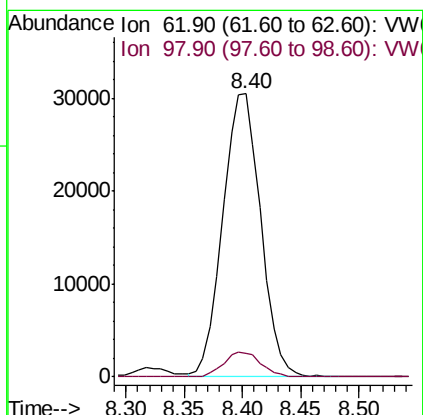
Manual Integrations
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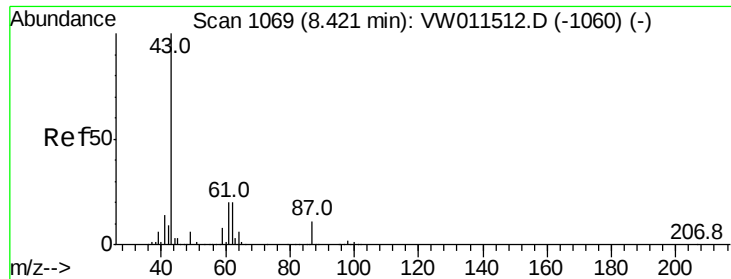
MMDadoda
7/29/2019 9:18:59 AM



#42
1,2-Dichloroethane
Concen: 19.841 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion	62	Resp	69042
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.241 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

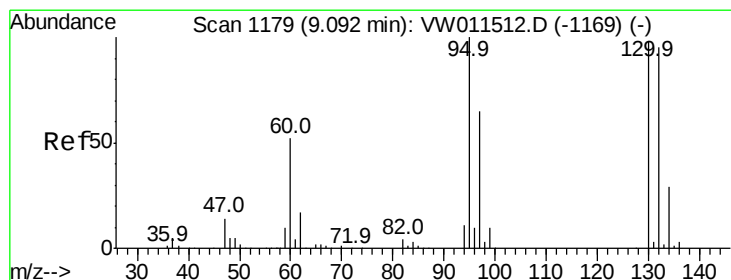
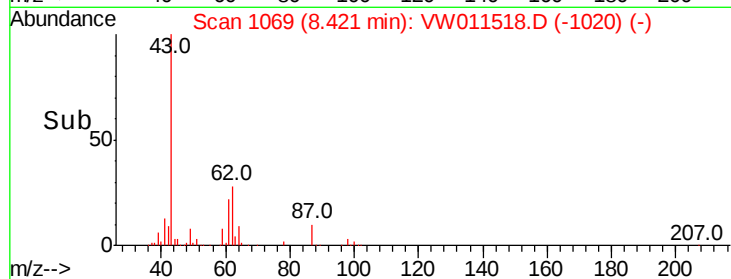
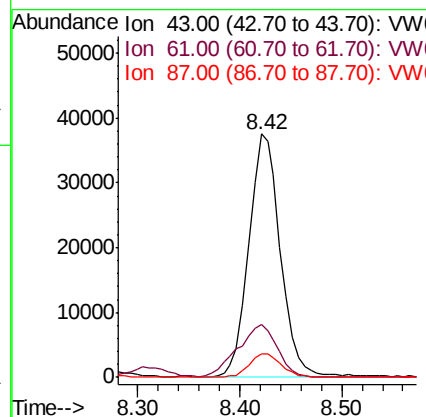
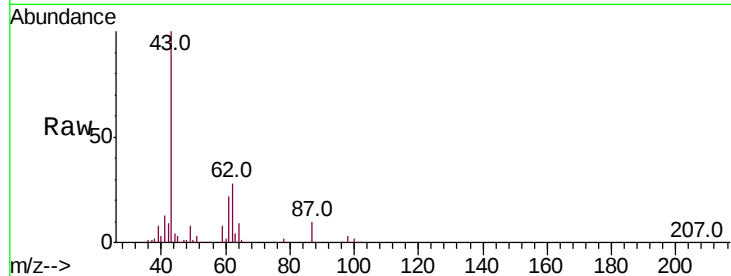
ClientSampleId :

VW0727SBS01

Tot Ion:	43	Resp:	80781
Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.5	32.3
87	9.8	8.4	12.6

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#44

Trichloroethene

Concen: 19.820 ug/l

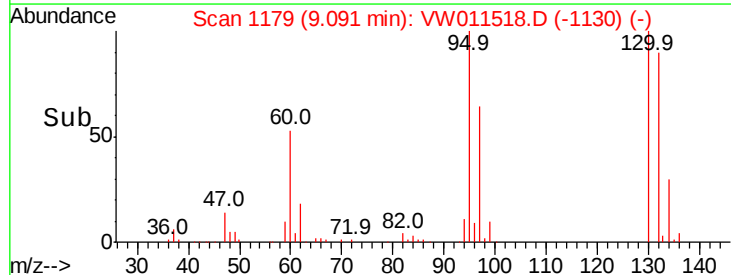
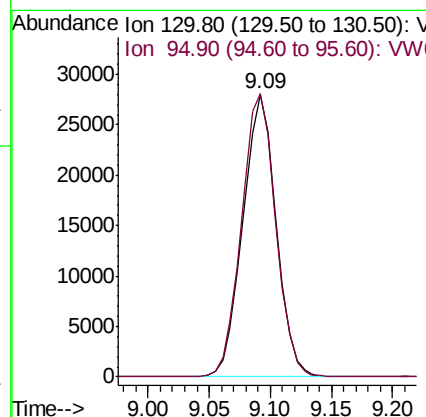
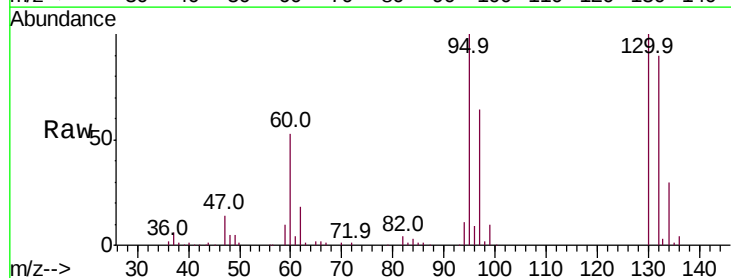
RT: 9.09 min Scan# 1179

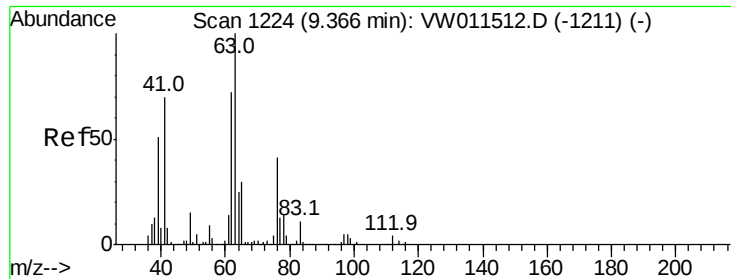
Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Tgt Ion:	130	Resp:	52945
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	204.8





#45

1,2-Dichloropropane

Concen: 19.527 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS01

Tot Ion: 63 Resp: 58069

Ion Ratio Lower Upper

63 100

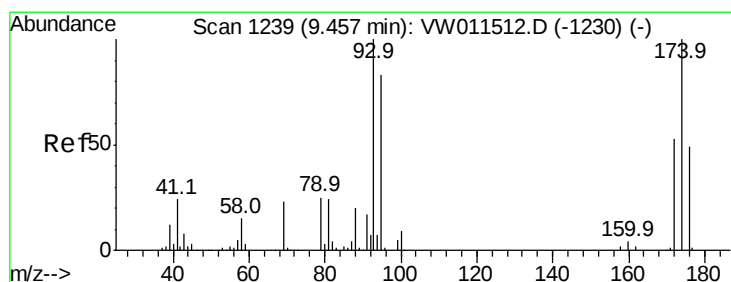
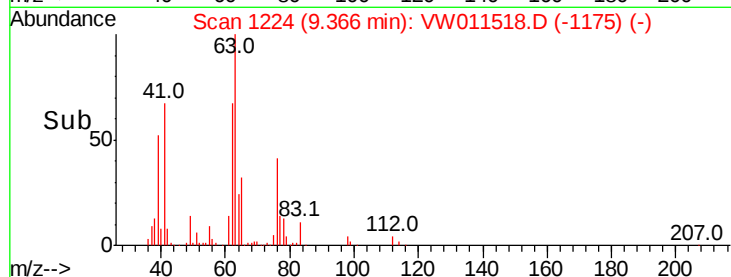
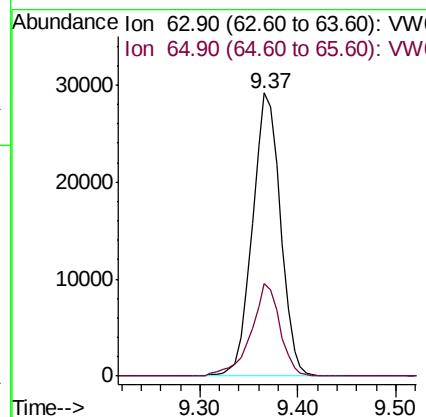
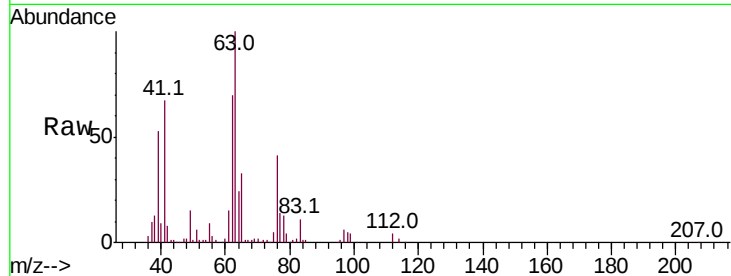
65 32.8 24.2 36.4

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#46

Dibromomethane

Concen: 19.760 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

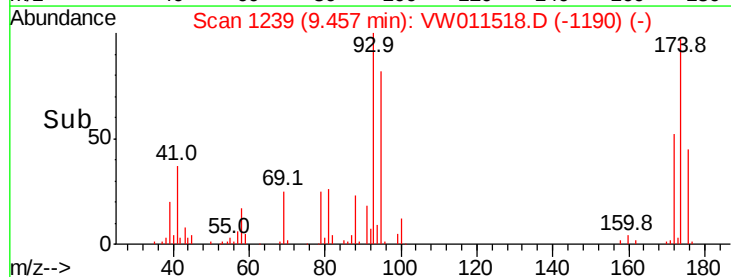
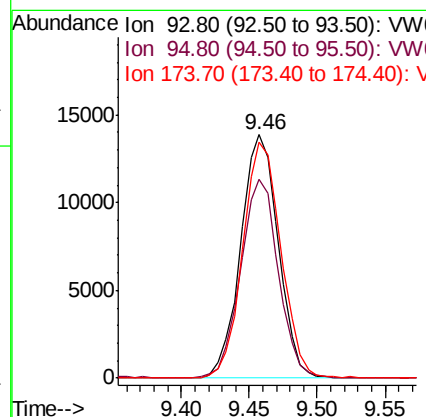
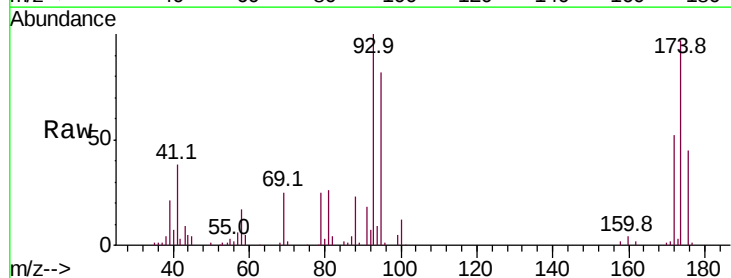
Tgt Ion: 93 Resp: 26820

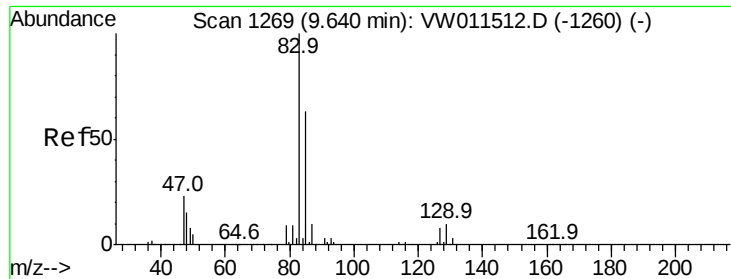
Ion Ratio Lower Upper

93 100

95 81.9 66.2 99.2

174 98.2 78.2 117.4





#47

Bromodichloromethane

Concen: 19.180 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

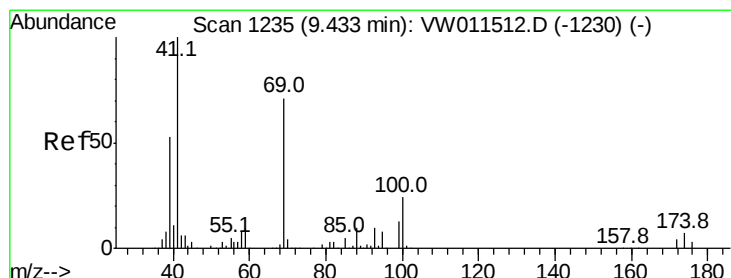
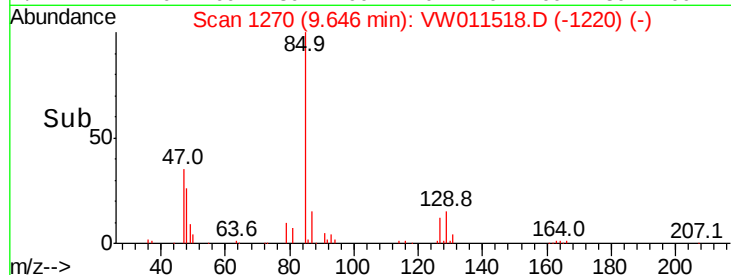
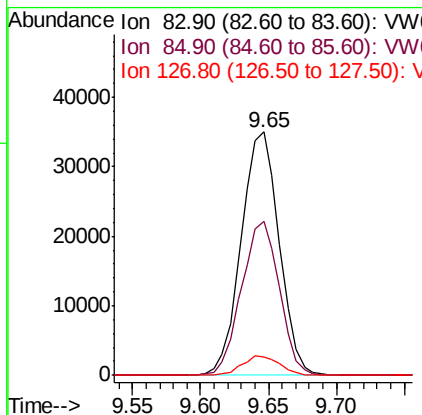
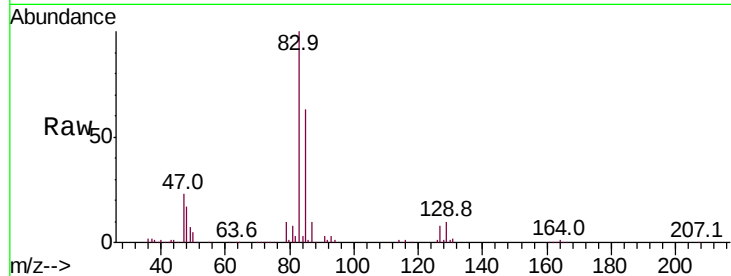
ClientSampleId :

VW0727SBS01

Tot Ion:	83	Resp:	68290
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.5	75.7
127	7.8	6.4	9.6

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#48

Methyl methacrylate

Concen: 19.079 ug/l

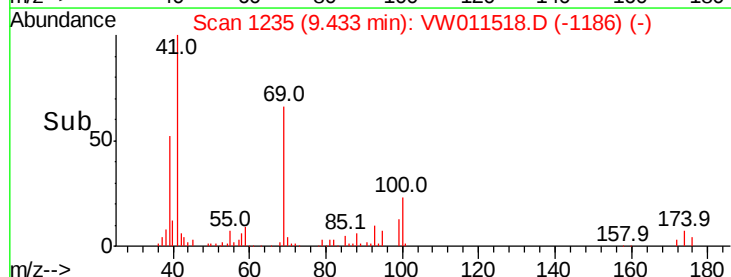
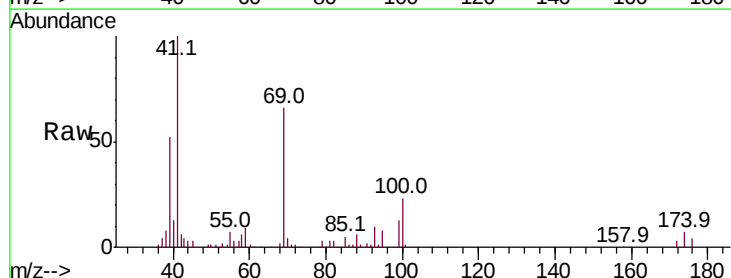
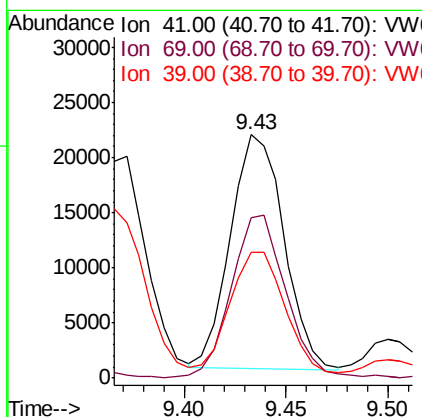
RT: 9.43 min Scan# 1235

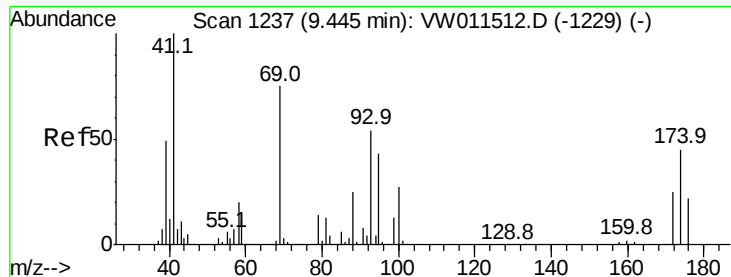
Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Tgt Ion:	41	Resp:	38478
Ion	Ratio	Lower	Upper
41	100		
69	72.3	57.1	85.7
39	57.5	45.4	68.2





#49

1,4-Dioxane

Concen: 369.714 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS01

Tot Ion: 88 Resp: 7266

Ion Ratio Lower Upper

88 100

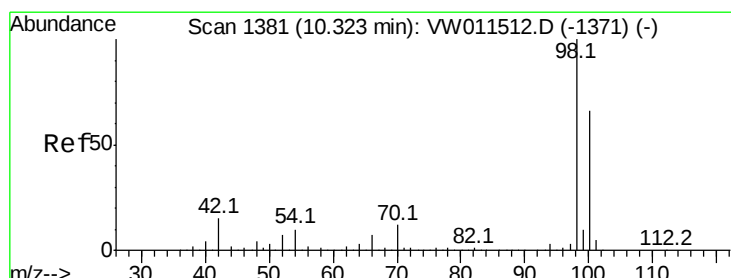
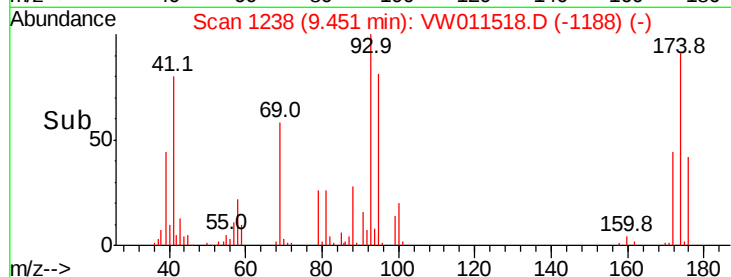
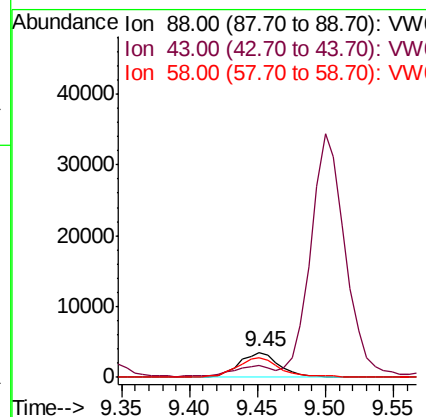
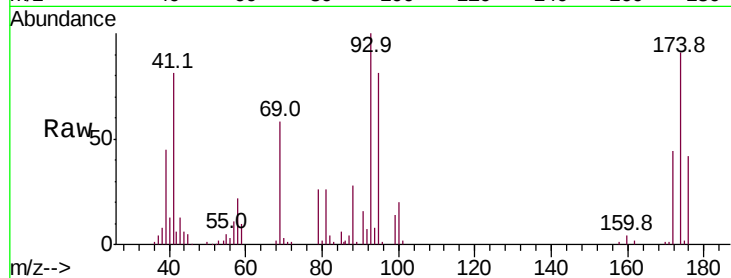
43 41.2 34.0 51.0

58 88.9 69.7 104.5

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#50

Toluene-d8

Concen: 52.250 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011518.D

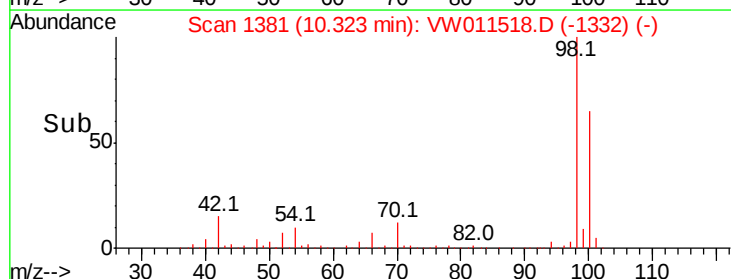
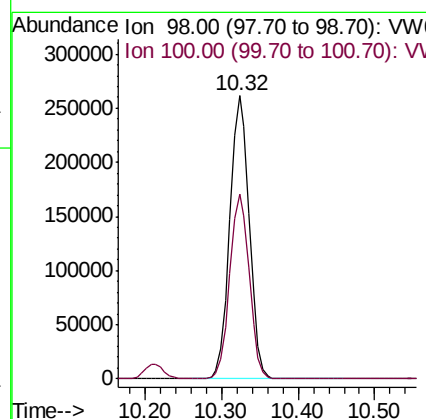
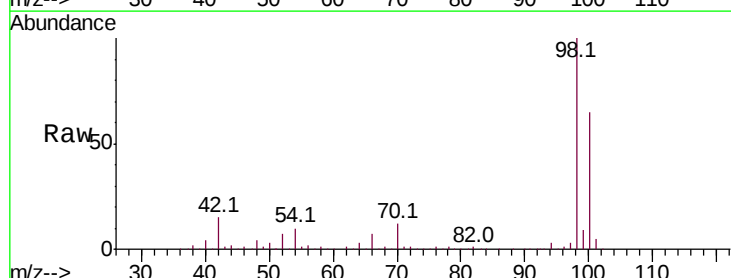
Acq: 26 Jul 2019 16:15

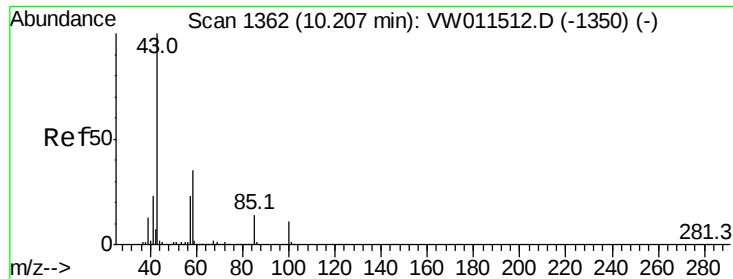
Tgt Ion: 98 Resp: 457981

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 95.264 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS01

Tot Ion: 43 Resp: 208034

Ion Ratio Lower Upper

43 100

58 35.1

28.2

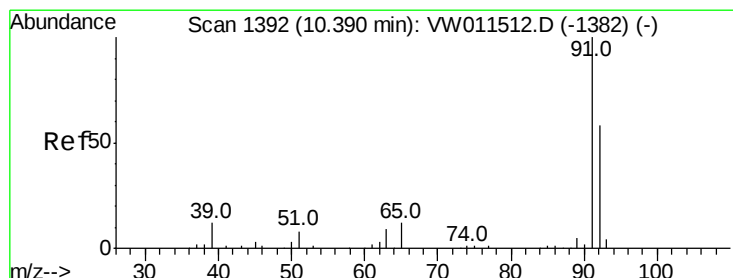
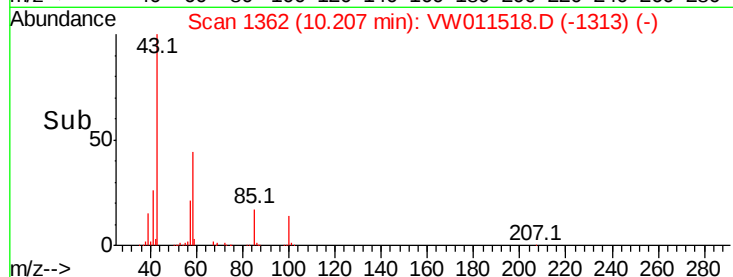
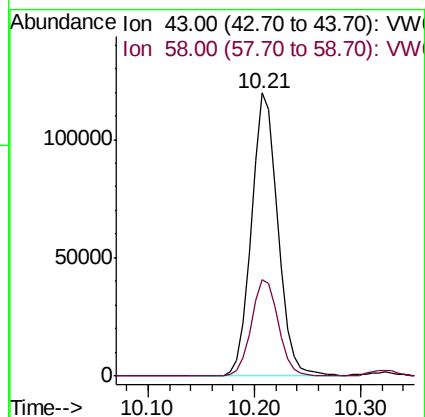
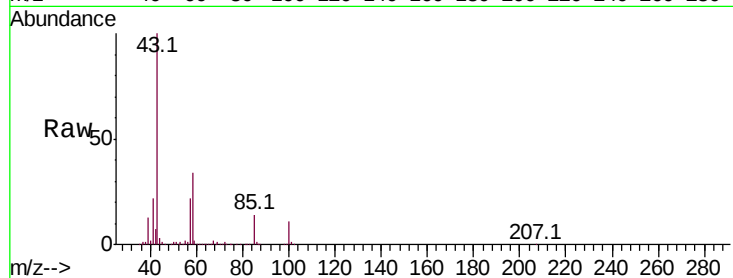
42.2

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#52

Toluene

Concen: 19.765 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Tgt Ion: 92 Resp: 132660

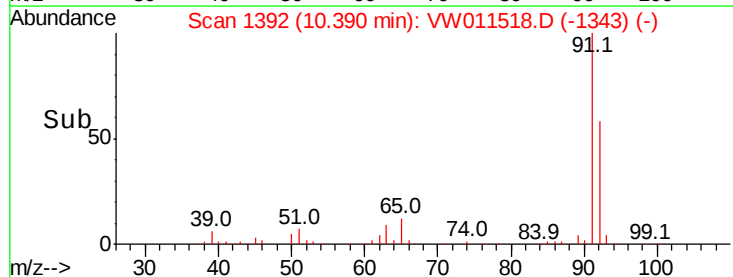
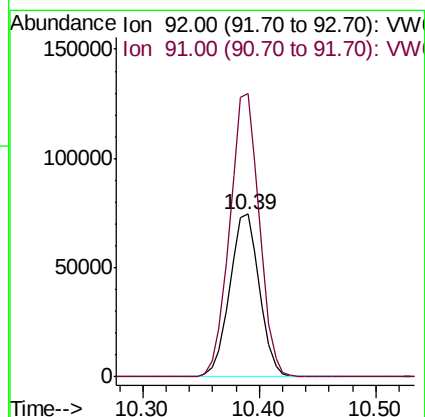
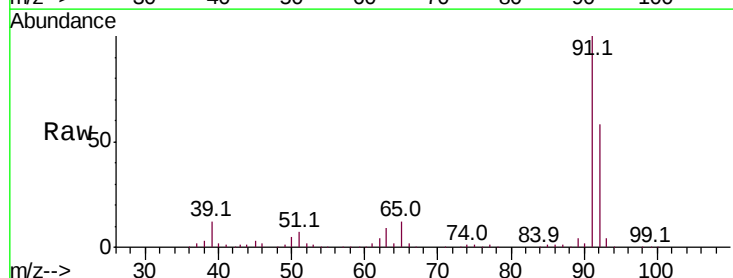
Ion Ratio Lower Upper

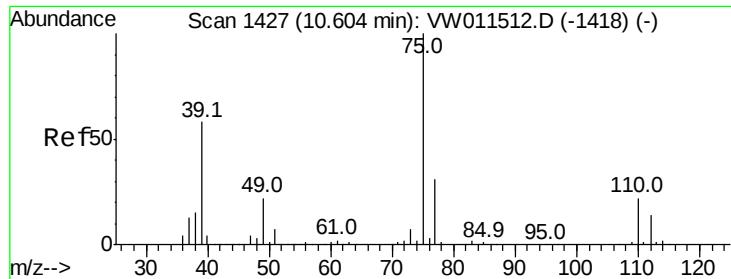
92 100

91 172.6

136.7

205.1





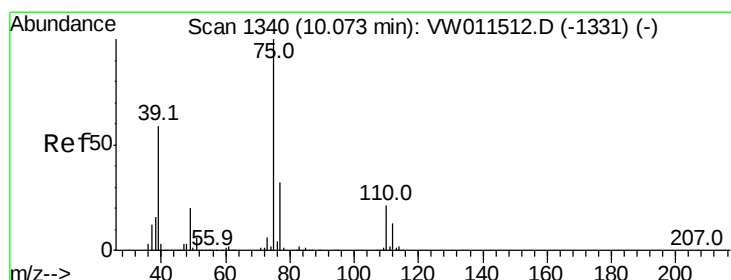
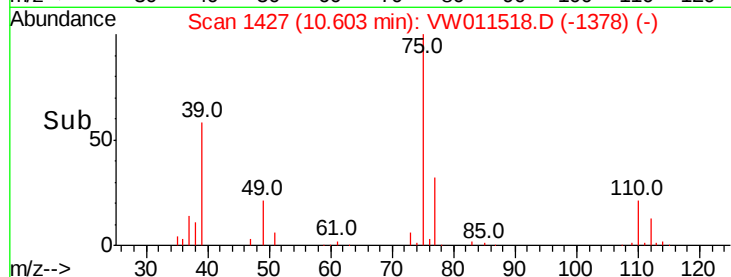
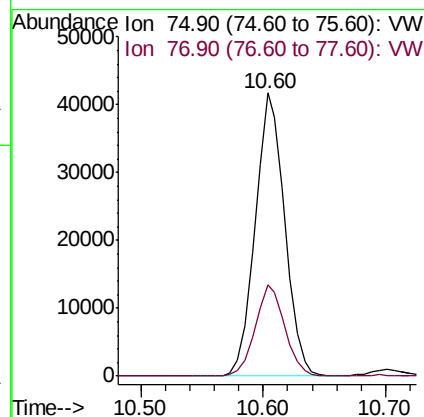
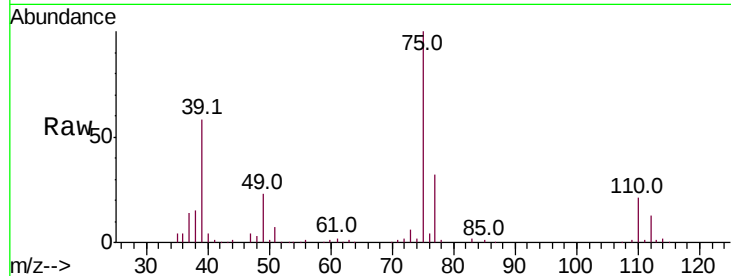
#53
t-1,3-Dichloropropene
Concen: 18.877 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS01

Tot Ion: 75 Resp: 70209
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.4

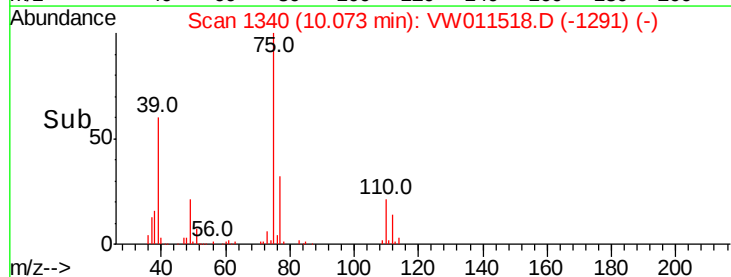
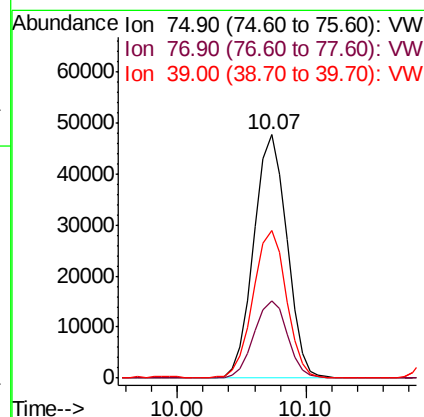
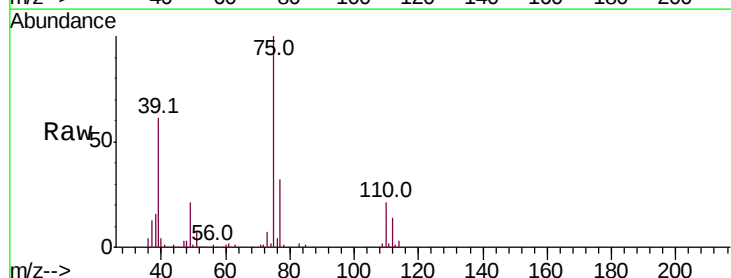
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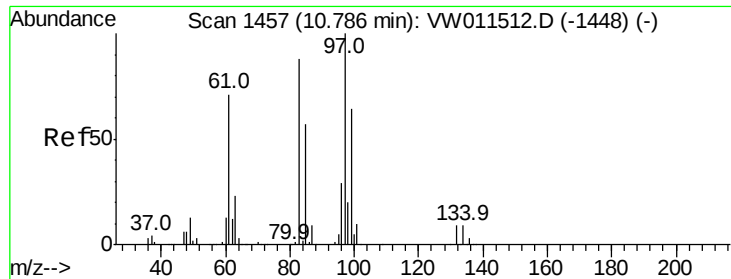
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#54
cis-1,3-Dichloropropene
Concen: 19.187 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion: 75 Resp: 84847
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4
39 60.4 47.0 70.4





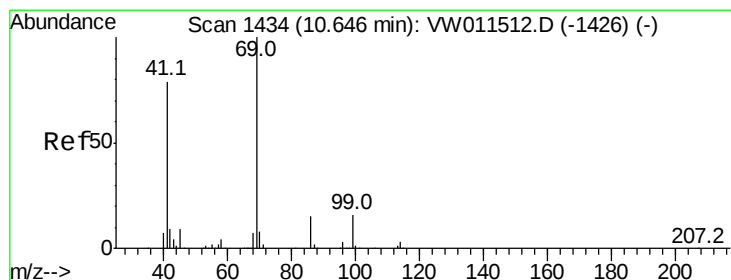
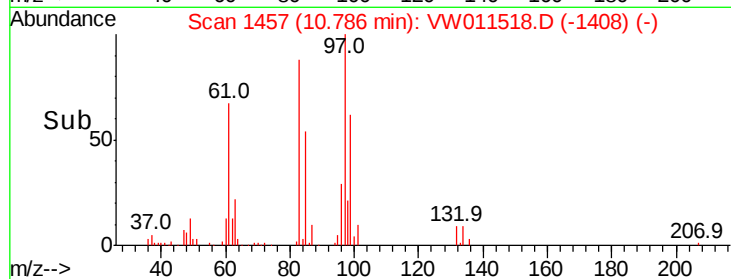
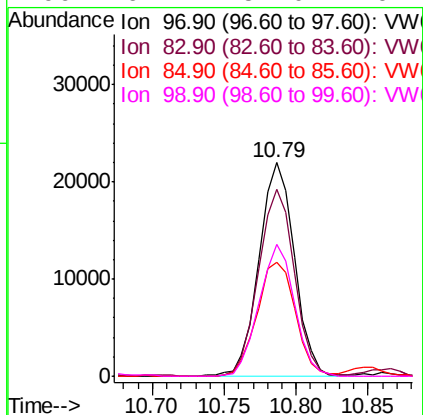
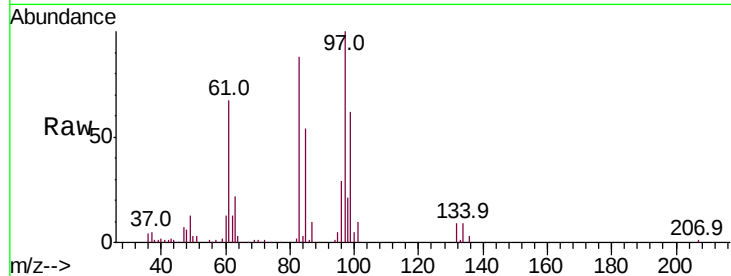
#55
 1,1,2-Trichloroethane
 Concen: 19.451 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS01

Tot Ion:	97	Resp:	37460
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.5	105.7
85	53.6	45.8	68.6
99	61.7	51.0	76.4

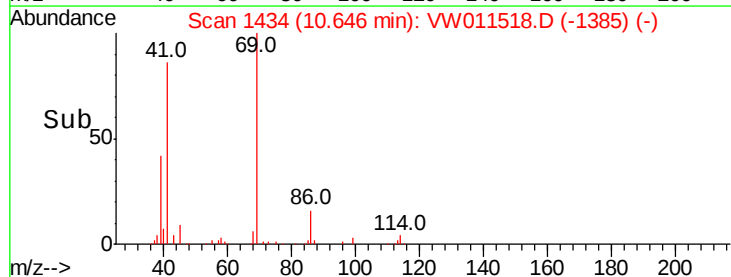
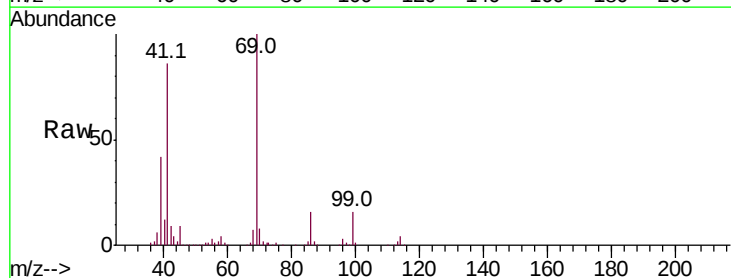
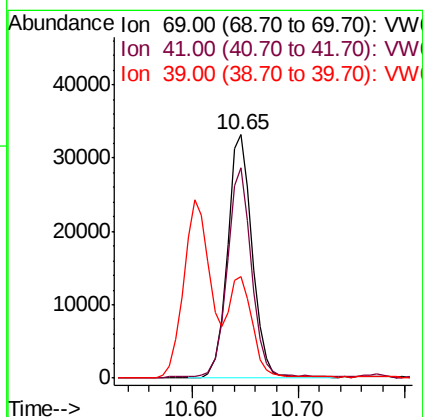
Manual Integrations
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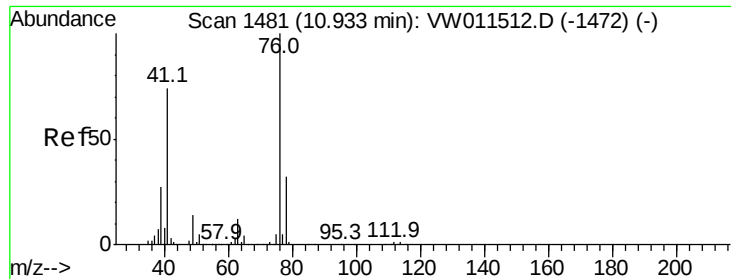
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#56
 Ethyl methacrylate
 Concen: 19.149 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Tgt Ion:	69	Resp:	53963
Ion	Ratio	Lower	Upper
69	100		
41	86.8	66.6	99.8
39	39.3	30.3	45.5





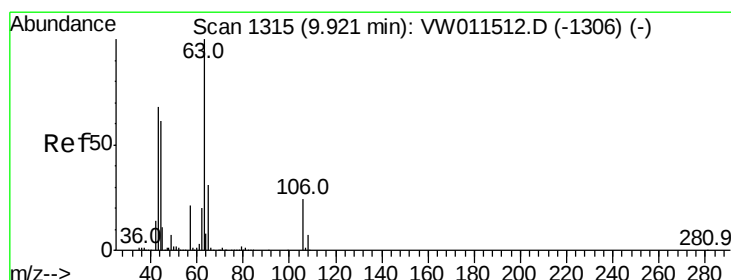
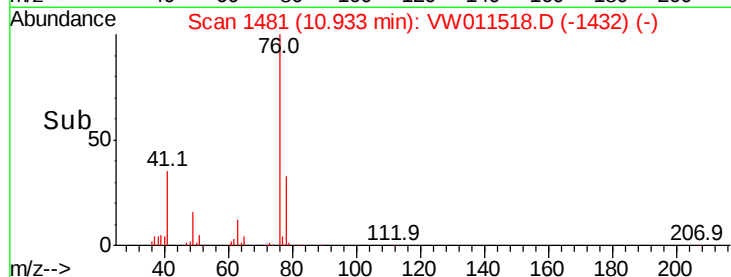
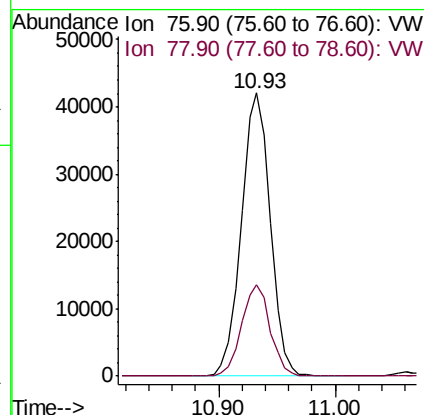
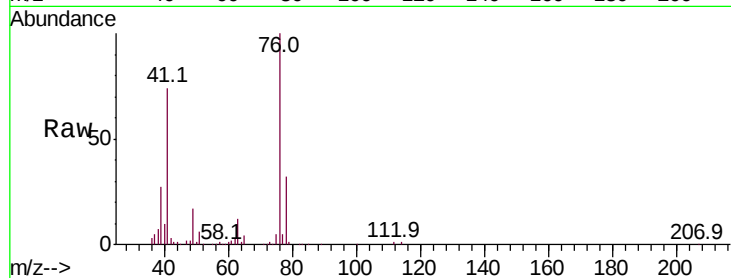
#57
 1,3-Dichloropropane
 Concen: 19.976 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBSD01

Tot Ion: 76 Resp: 72783
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8

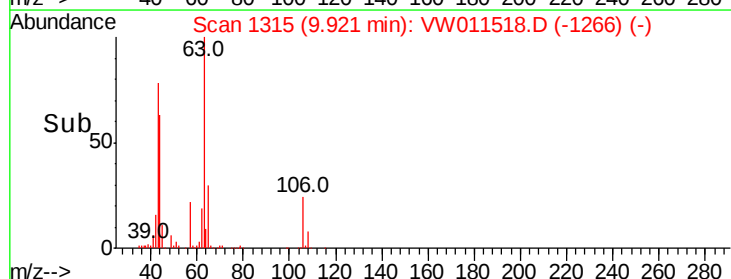
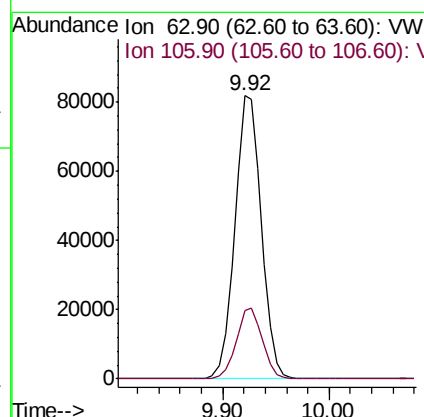
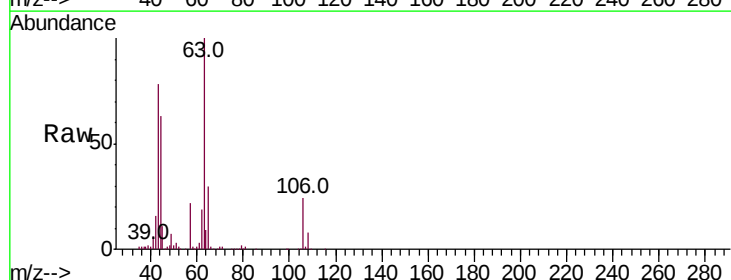
Manual Integrations
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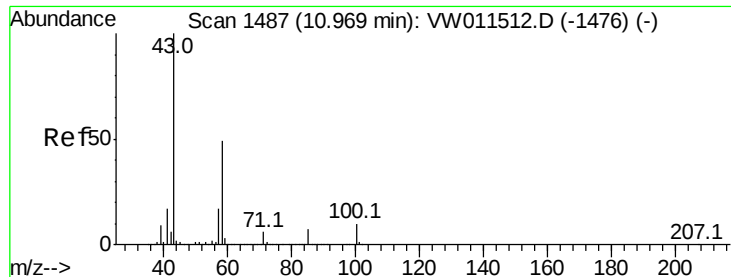
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 7/29/2019 9:18:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.336 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Tgt Ion: 63 Resp: 142458
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5





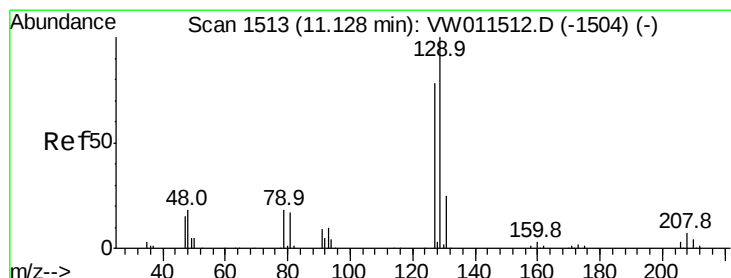
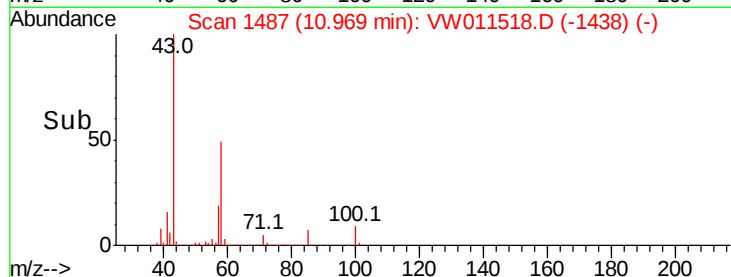
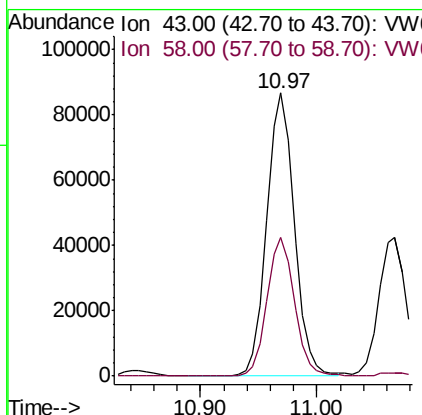
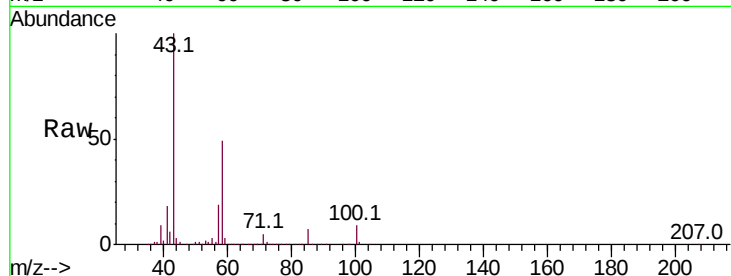
#59
2-Hexanone
Concen: 91.955 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS01

Tot Ion	43	58	Ratio	100	48.8	Resp	141783	Lower	24.3	Upper	72.9
Ion	43	58	Ratio	100	48.8	Resp	141783	Lower	24.3	Upper	72.9

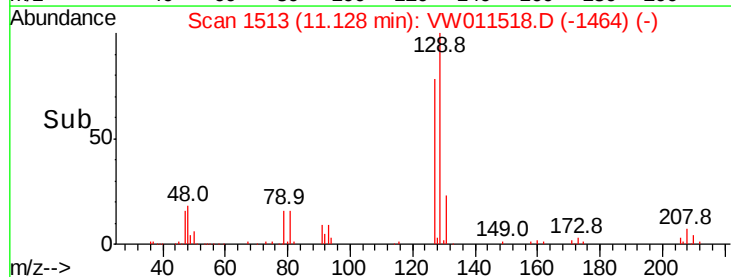
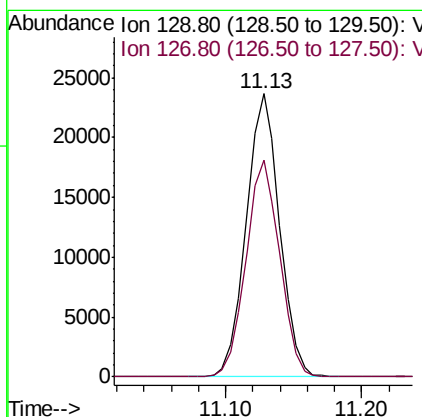
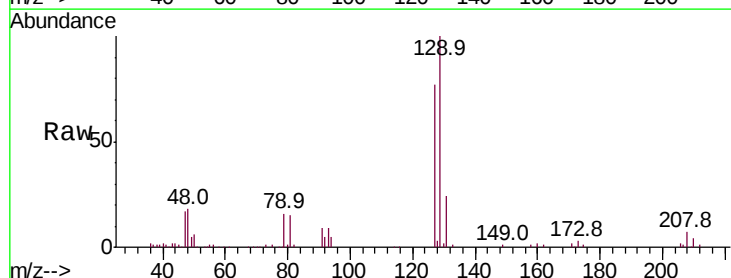
Manual Integrations
APPROVED

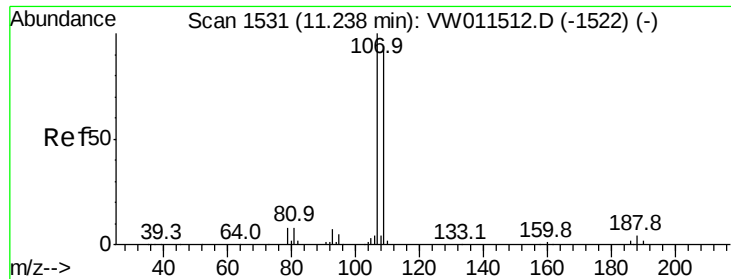
MMDadoda
7/29/2019 9:18:59 AM



#60
Dibromochloromethane
Concen: 18.991 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion	129	127	Ratio	100	77.6	Resp	40597	Lower	38.9	Upper	116.7
Ion	129	127	Ratio	100	77.6	Resp	40597	Lower	38.9	Upper	116.7





#61

1,2-Dibromoethane

Concen: 19.057 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS01

Tot Ion:107 Resp: 34731

Ion Ratio Lower Upper

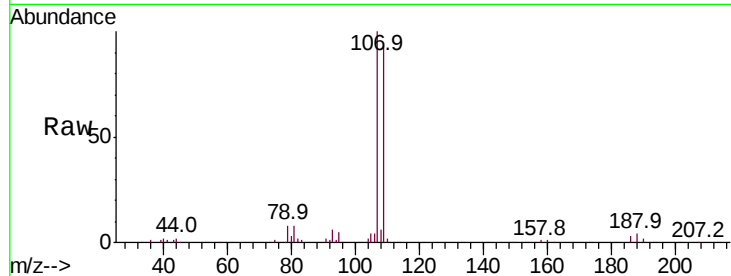
107 100

109 96.2 75.0 112.6

Manual Integrations
APPROVED

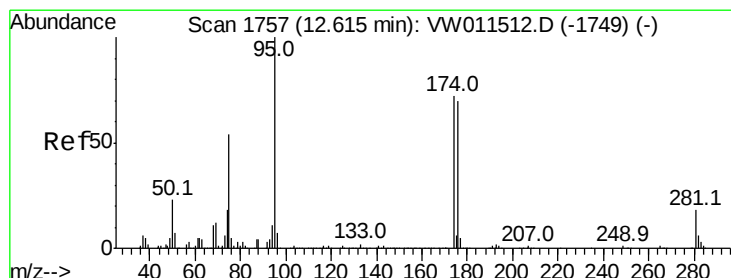
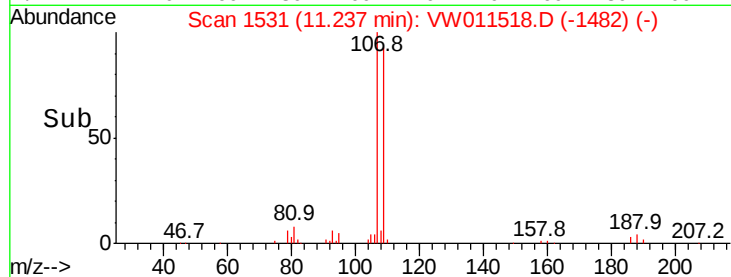
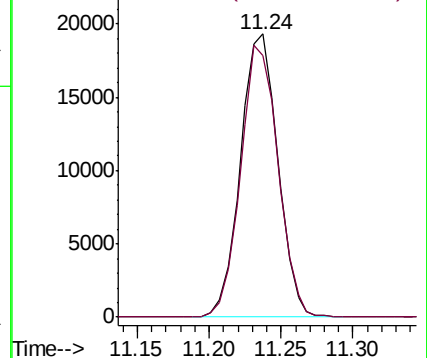
MMDadoda

7/29/2019 9:18:59 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.100 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

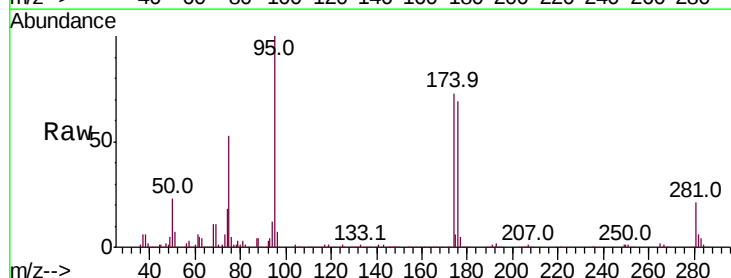
Tgt Ion: 95 Resp: 162811

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.2

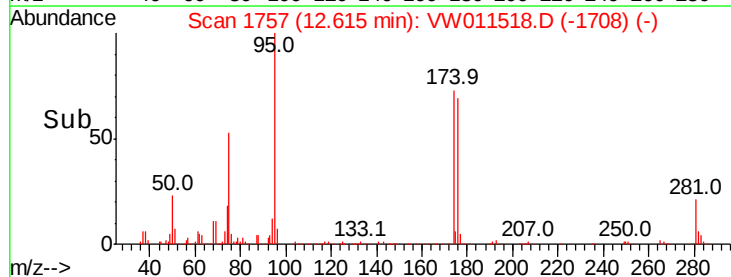
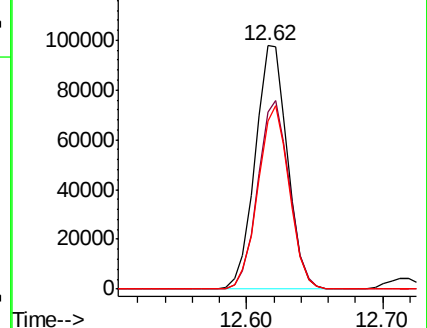
176 73.2 0.0 144.4

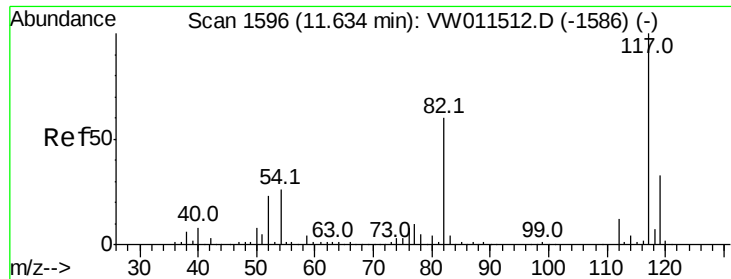


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





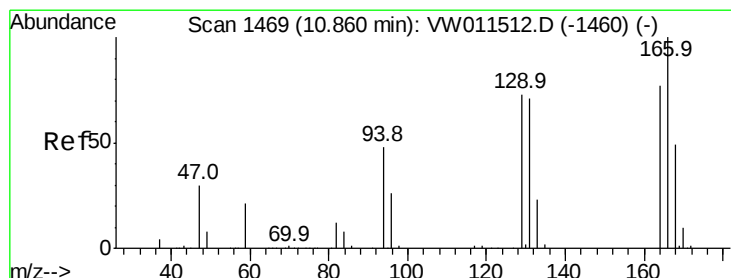
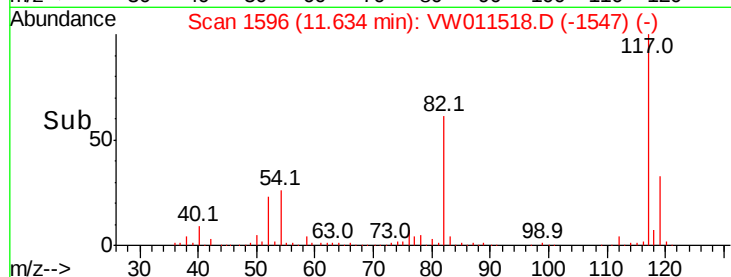
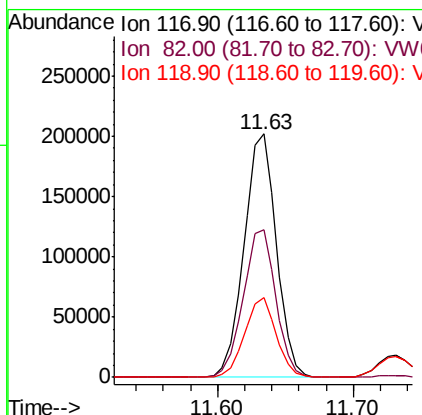
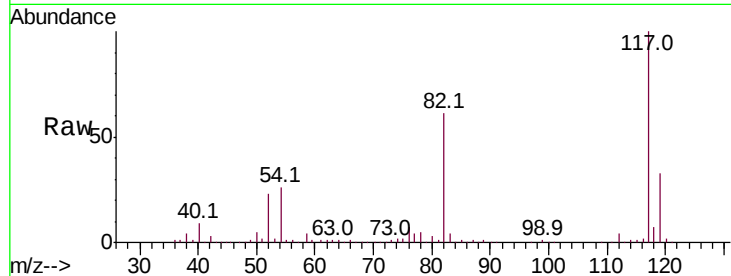
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	47.9	71.9
119	32.8	26.2	39.2

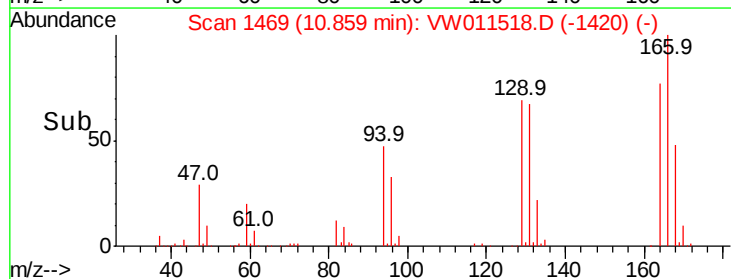
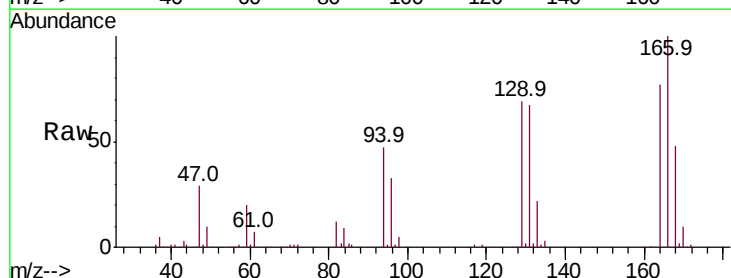
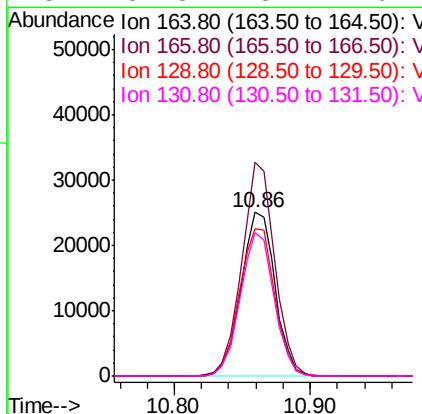
Manual Integrations
APPROVED

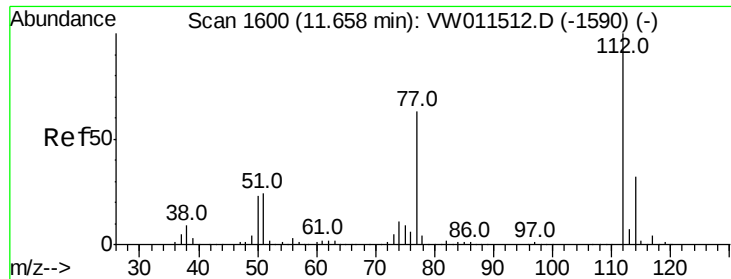
MMDadoda
7/29/2019 9:18:59 AM



#64
Tetrachloroethene
Concen: 20.047 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	103.5	155.3
129	89.9	75.2	112.8
131	87.8	73.4	110.2





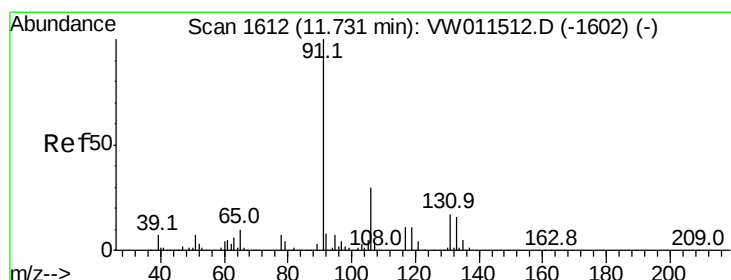
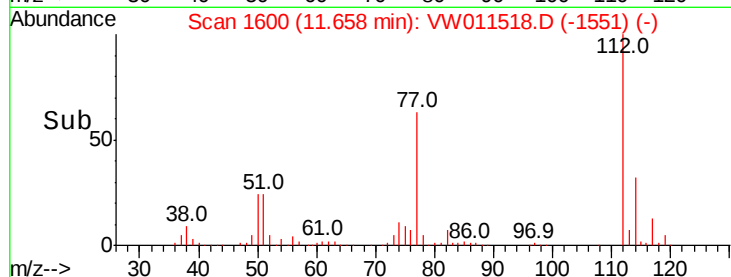
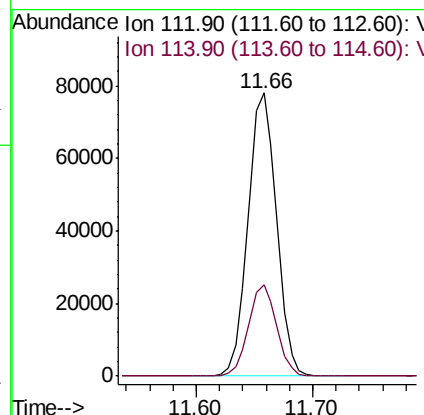
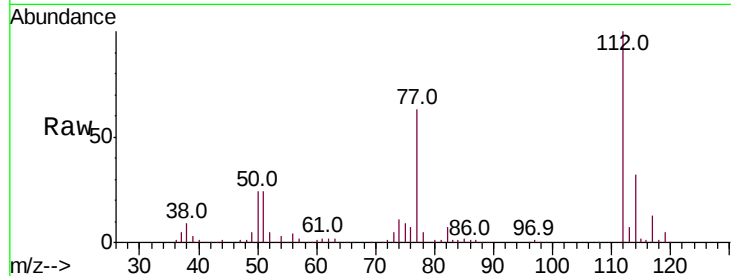
#65
Chlorobenzene
Concen: 19.775 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS01

Tot Ion:112 Resp: 133459
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

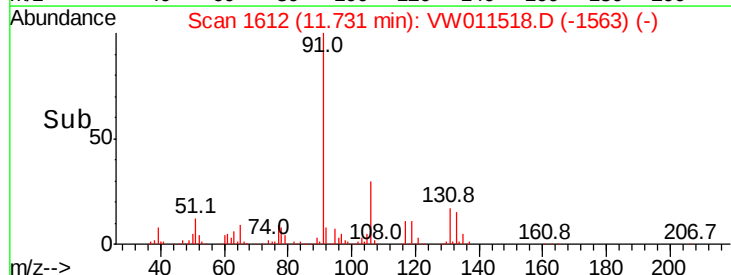
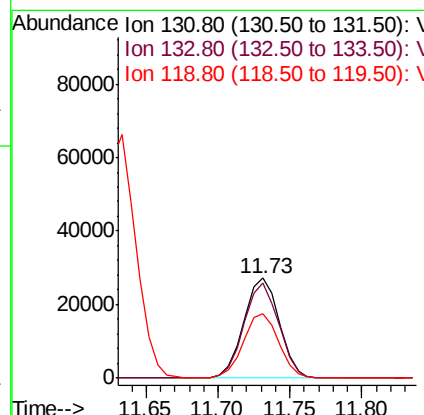
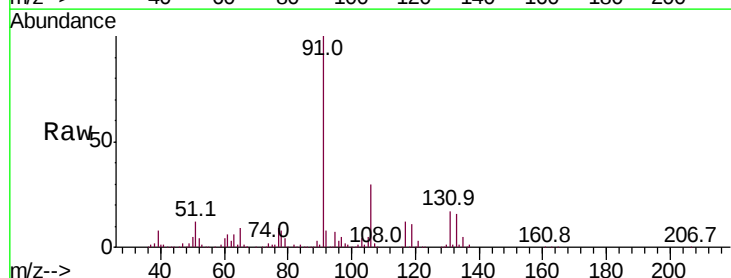
Manual Integrations
APPROVED

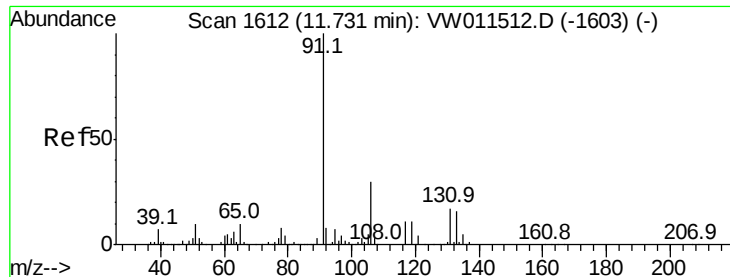
MMDadoda
7/29/2019 9:18:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.815 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion:131 Resp: 46580
Ion Ratio Lower Upper
131 100
133 92.9 47.4 142.2
119 64.4 32.3 96.9





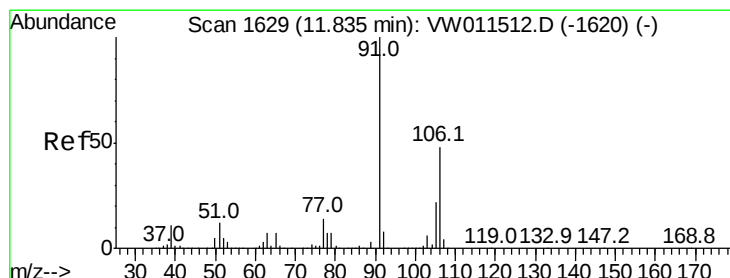
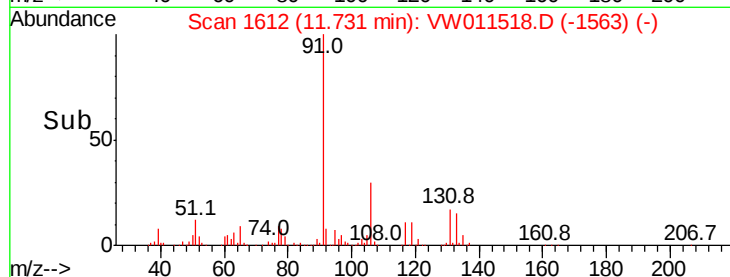
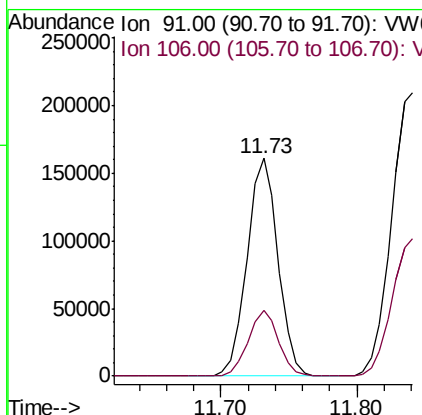
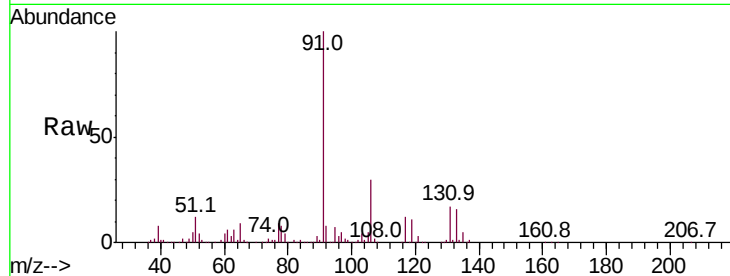
#67
Ethyl Benzene
Concen: 19.929 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS01

Tot Ion: 91 Resp: 256162
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.6

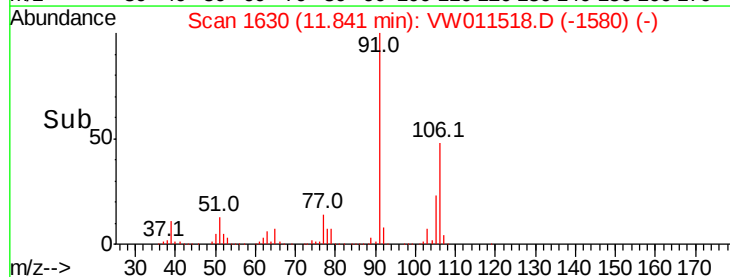
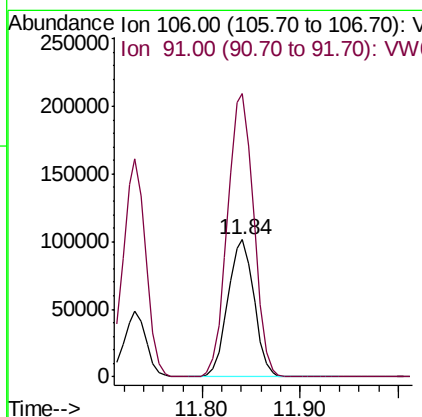
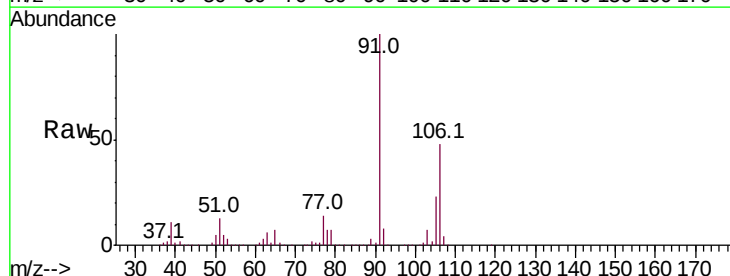
Manual Integrations
APPROVED

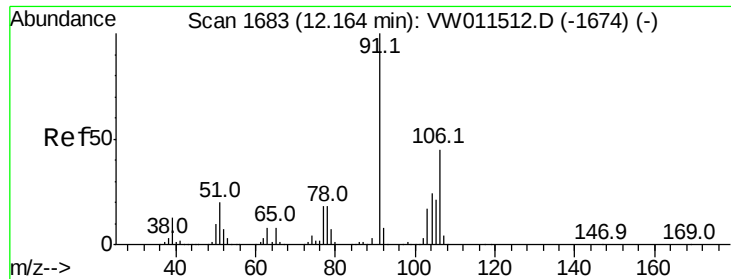
MMDadoda
7/29/2019 9:18:59 AM



#68
m/p-Xylenes
Concen: 40.208 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion: 106 Resp: 187949
Ion Ratio Lower Upper
106 100
91 207.6 168.2 252.2





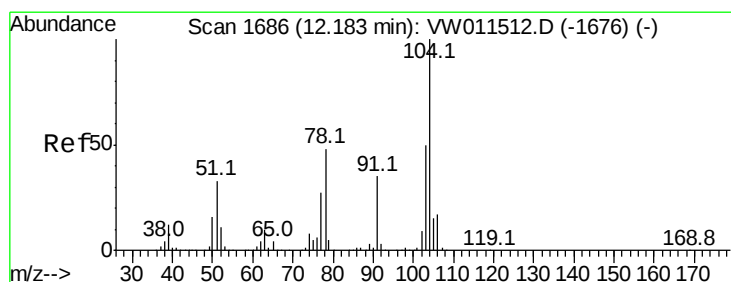
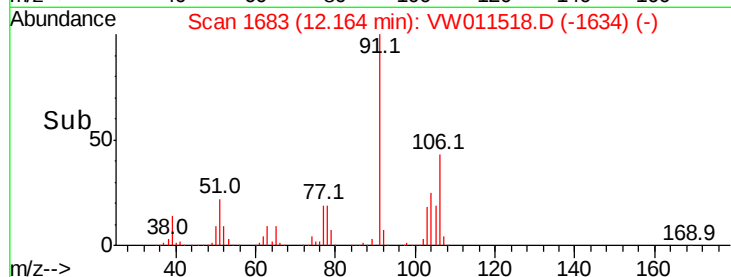
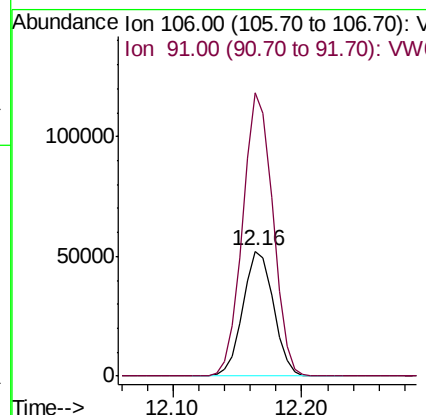
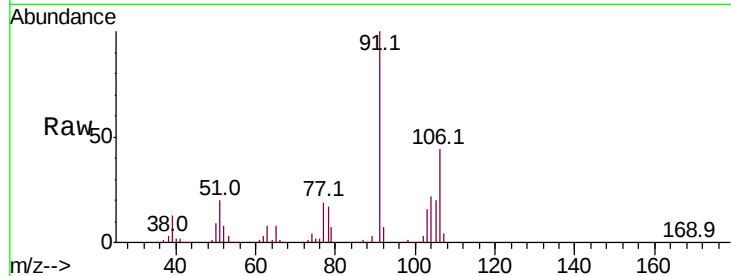
#69
o-Xylene
Concen: 19.742 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampled :
VW0727SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	223.3	110.5	331.5	

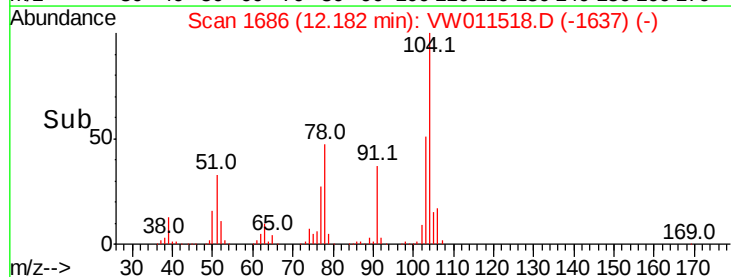
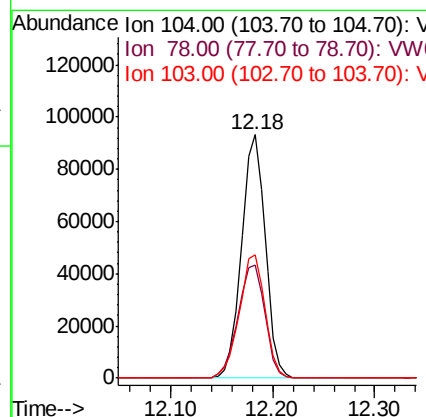
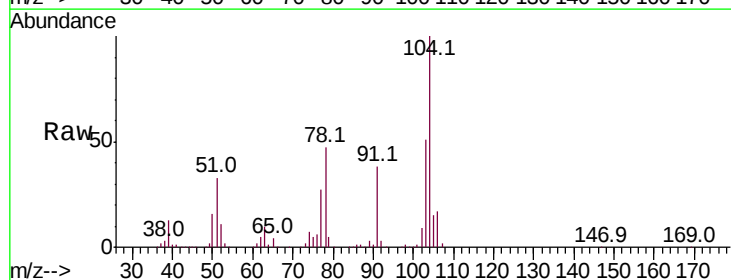
Manual Integrations
APPROVED

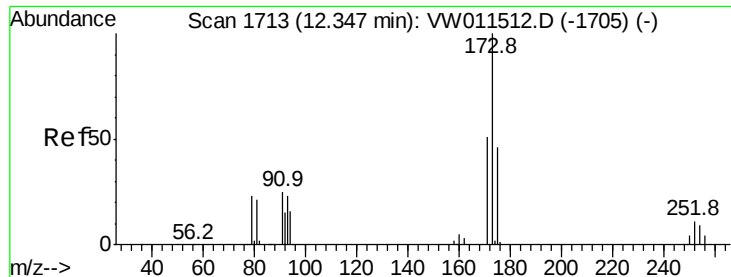
MMDadoda
7/29/2019 9:18:59 AM



#70
Styrene
Concen: 19.930 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.9	43.4	65.0	
103	54.8	43.9	65.9	





#71

Bromoform

Concen: 18.873 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBSD01

Tot Ion:173 Resp: 22621

Ion Ratio Lower Upper

173 100

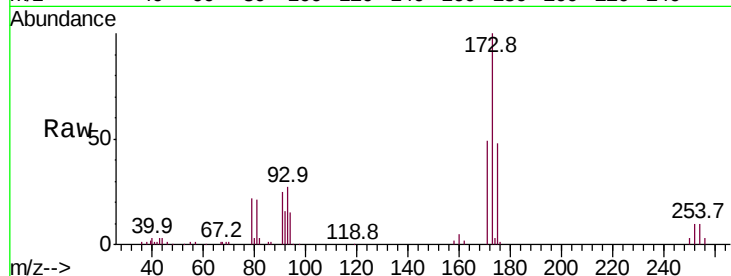
175 47.7 23.6 71.0

254 0.0 0.1 0.1#

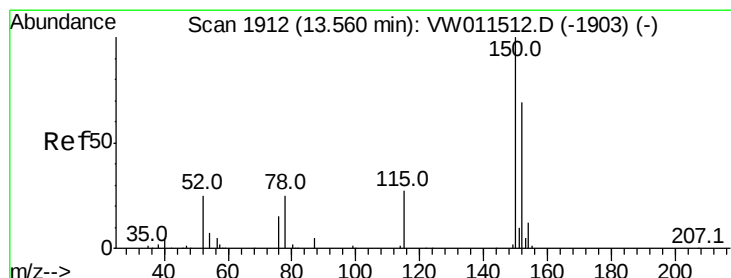
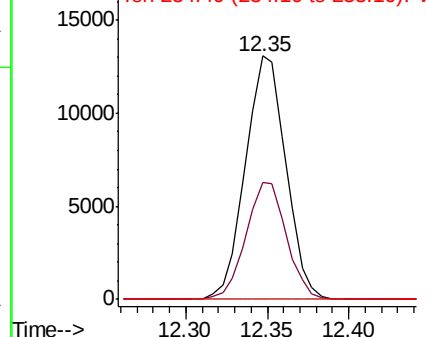
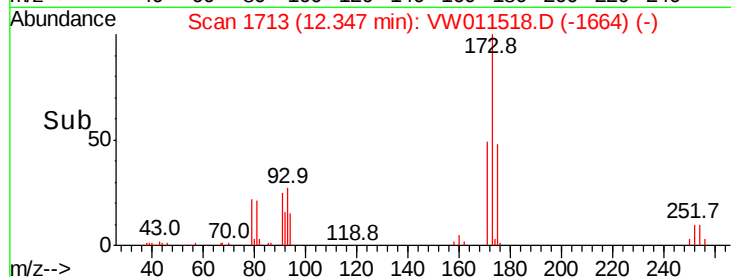
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

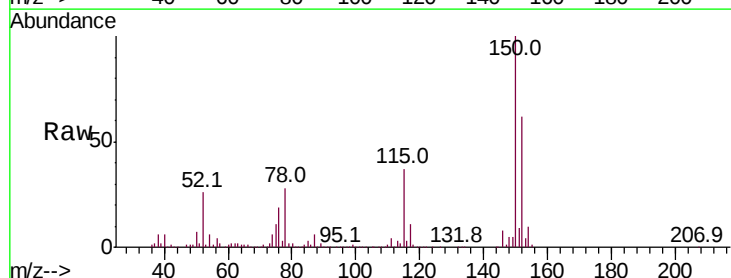
Tgt Ion:152 Resp: 162871

Ion Ratio Lower Upper

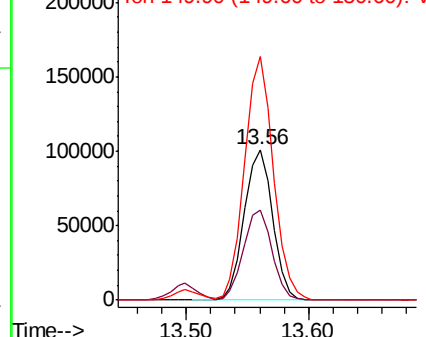
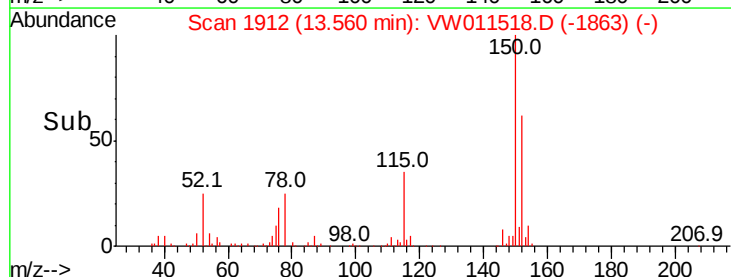
152 100

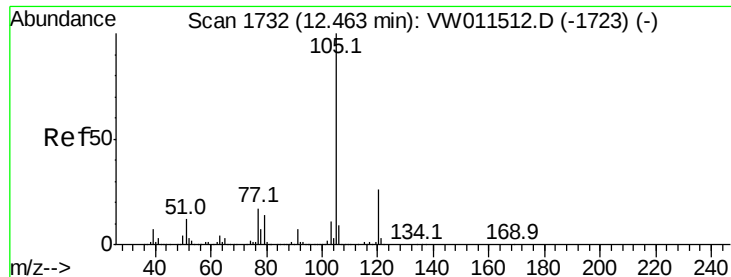
115 60.4 30.5 91.5

150 164.1 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.741 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS01

Tot Ion:105 Resp: 239866

Ion Ratio Lower Upper

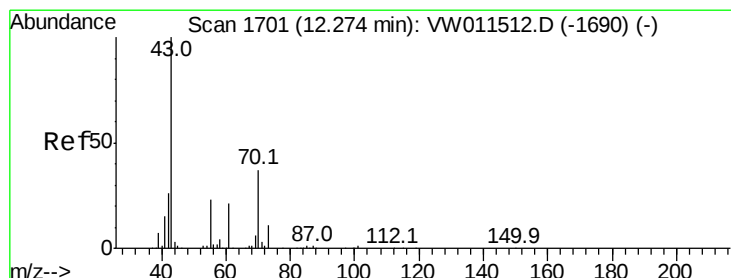
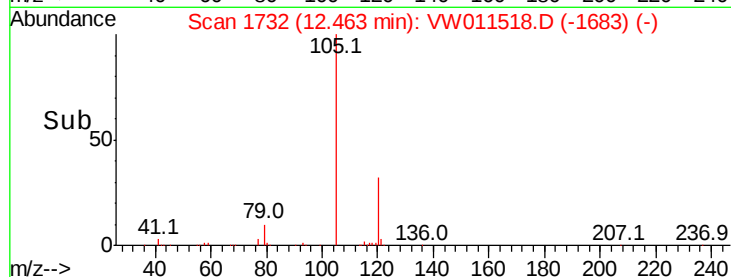
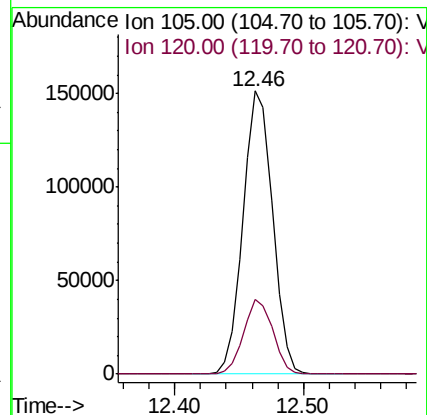
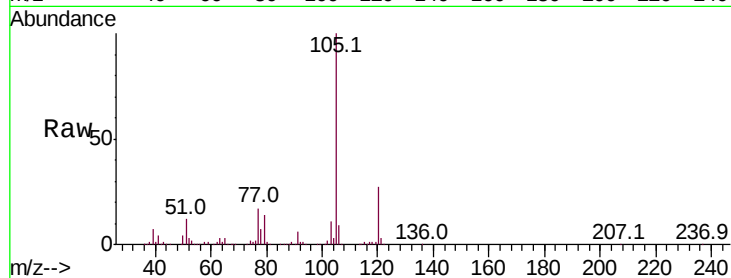
105 100

120 26.1 12.9 38.7

Manual Integrations
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7/29/2019 9:18:59 AM



#74

N-ethyl acetate

Concen: 18.847 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Tgt Ion: 43 Resp: 71695

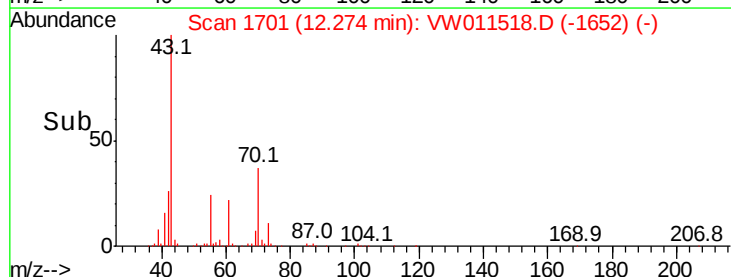
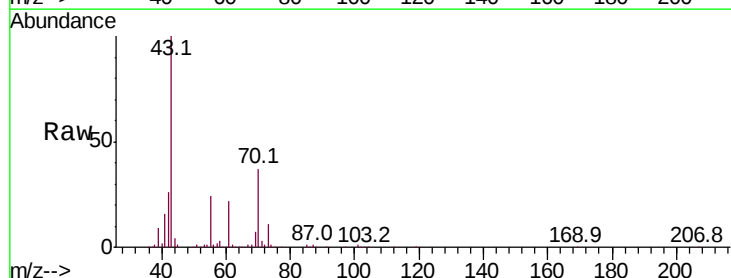
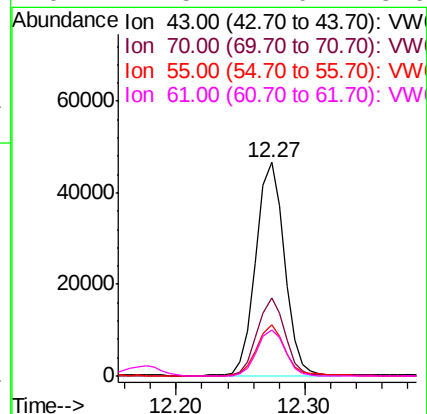
Ion Ratio Lower Upper

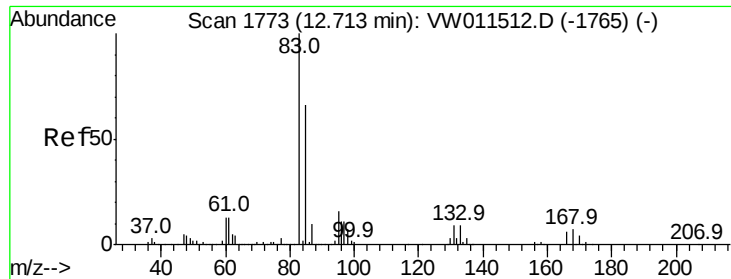
43 100

70 36.1 28.6 43.0

55 24.0 17.8 26.8

61 21.5 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.670 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

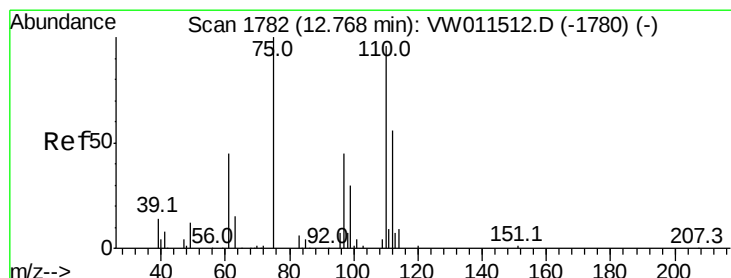
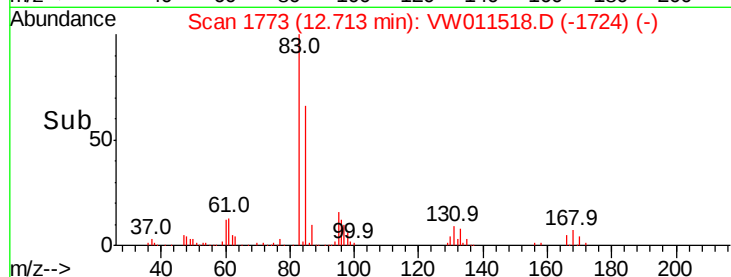
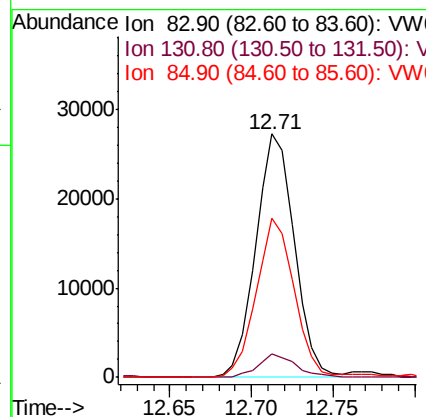
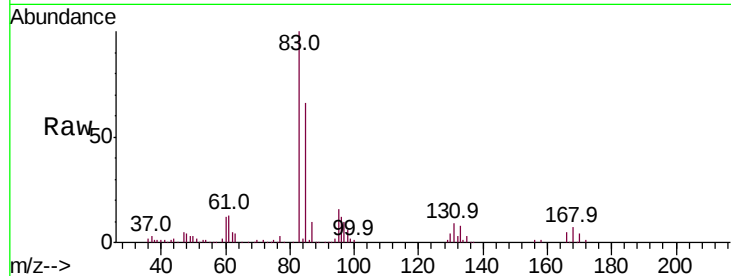
ClientSampleId :

VW0727SBSD01

Tot Ion:	83	Resp:	44956
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.6
85	64.2	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.508 ug/l m

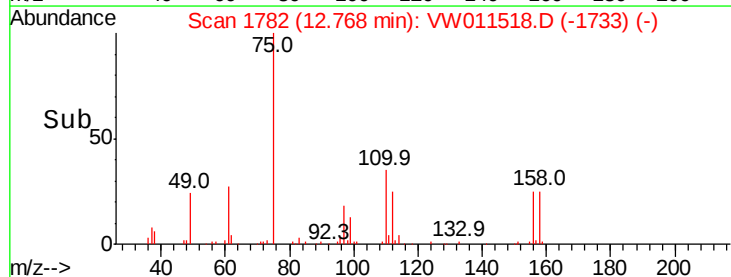
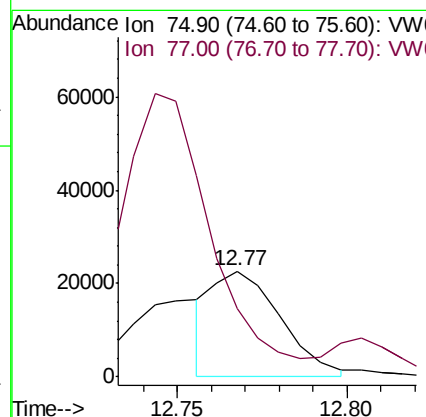
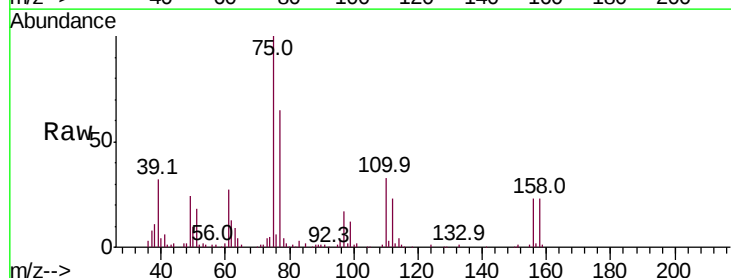
RT: 12.77 min Scan# 1782

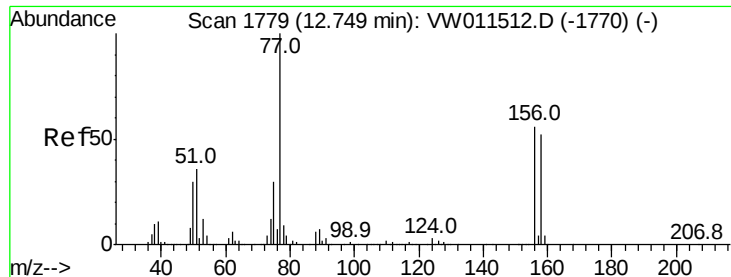
Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Tgt Ion:	75	Resp:	31896
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.774 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011518.D

Acq: 26 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBSD01

Tot Ion:156 Resp: 53105

Ion Ratio Lower Upper

156 100

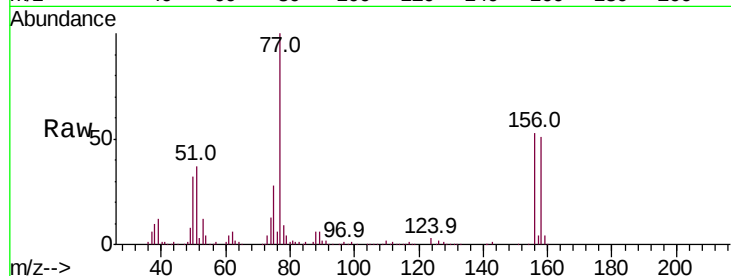
77 213.3 106.5 319.4

158 95.9 48.0 144.2

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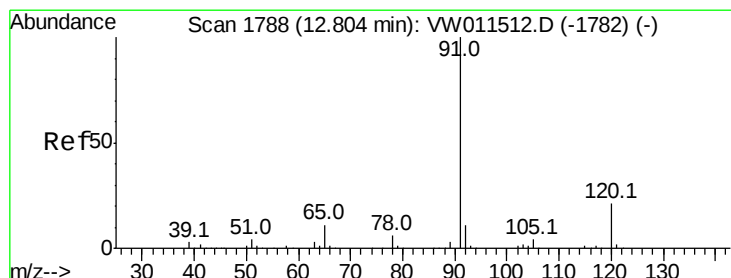
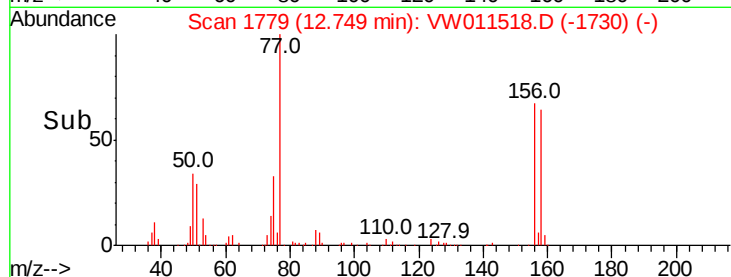
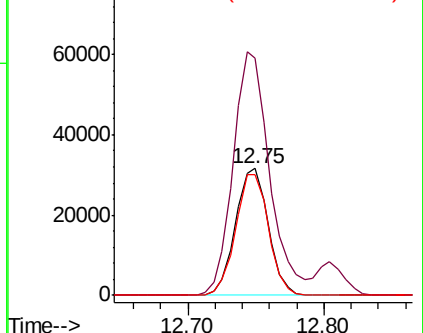
7/29/2019 9:18:59 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.245 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011518.D

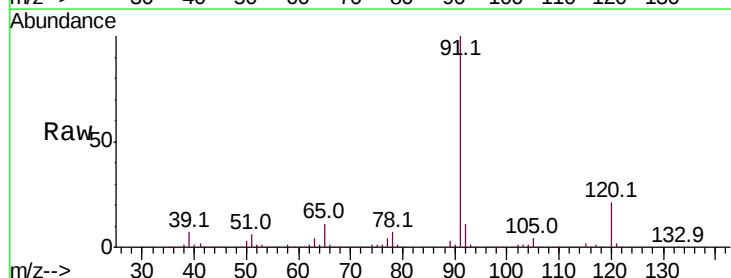
Acq: 26 Jul 2019 16:15

Tgt Ion: 91 Resp: 299368

Ion Ratio Lower Upper

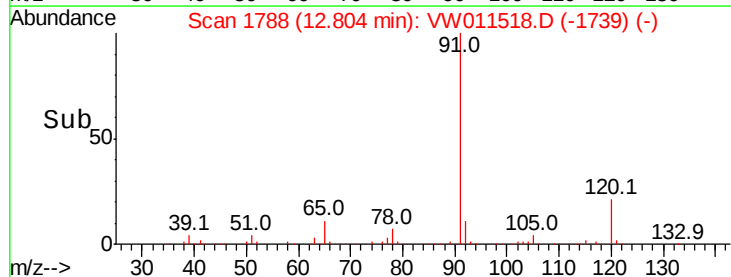
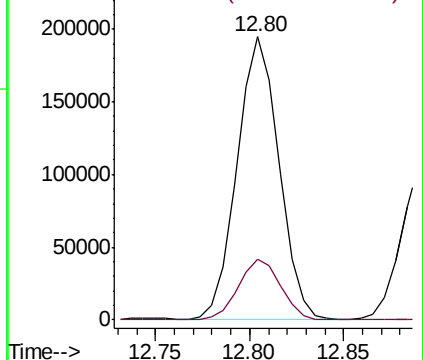
91 100

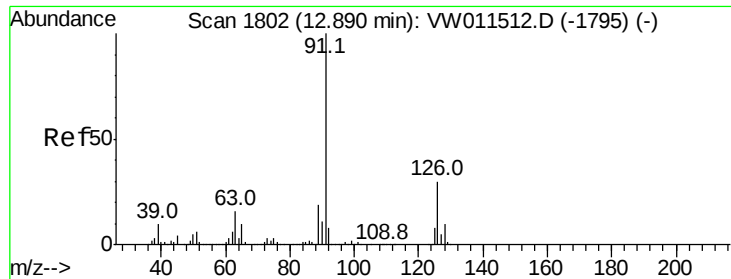
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





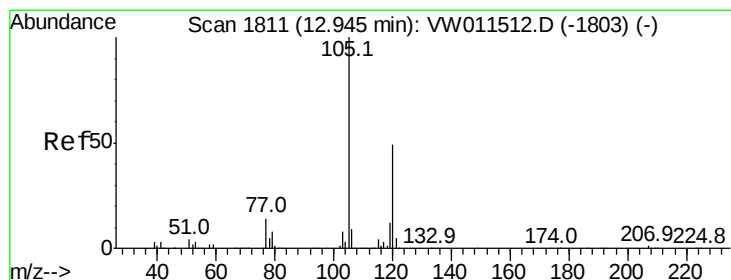
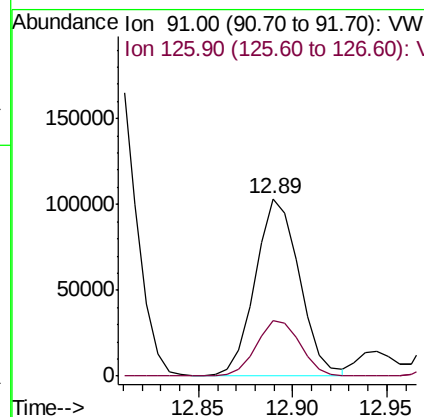
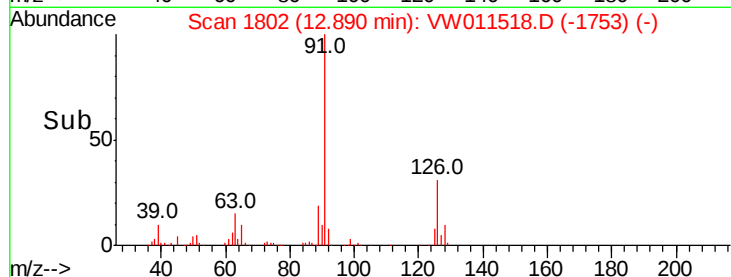
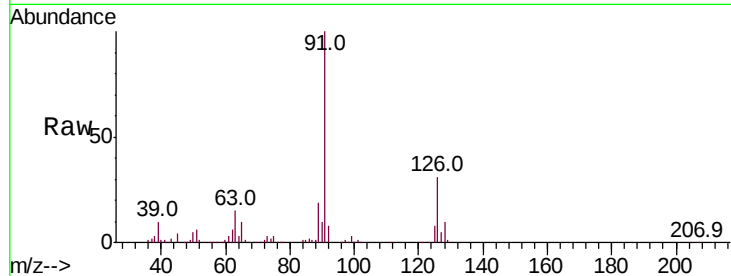
#79
 2-Chlorotoluene
 Concen: 19.704 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBSD01

Tot Ion: 91 Resp: 167860
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.7 47.1

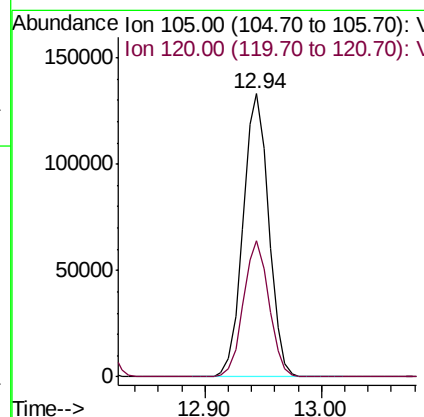
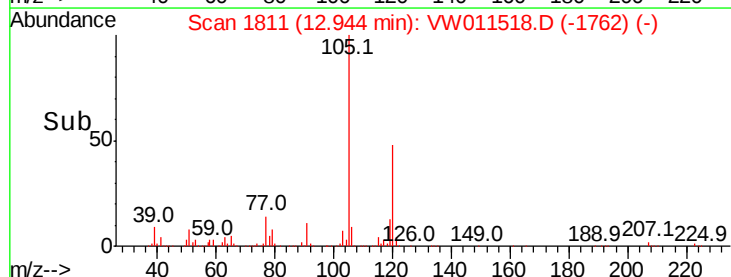
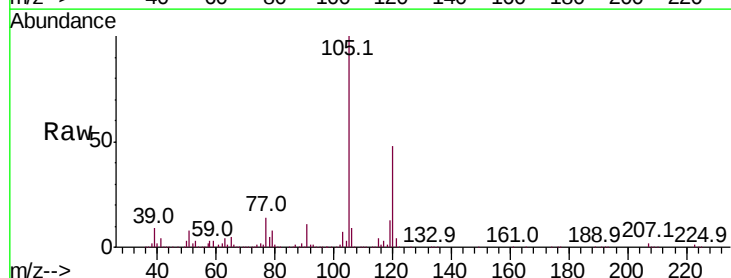
Manual Integrations
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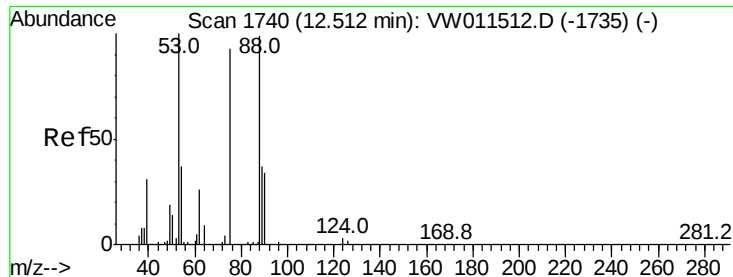
MMDadoda
 7/29/2019 9:18:59 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.123 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Tgt Ion: 105 Resp: 204962
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.3





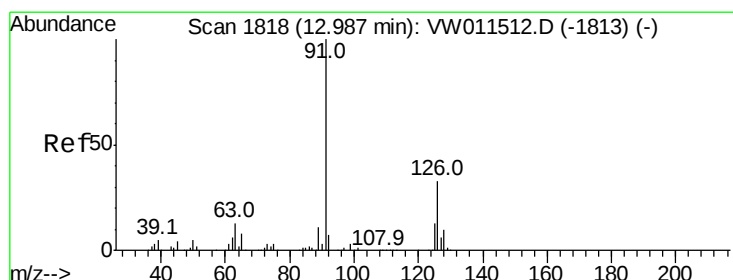
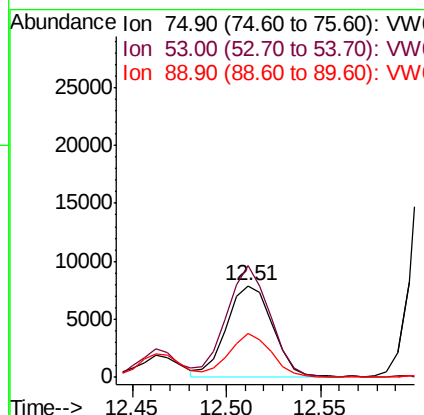
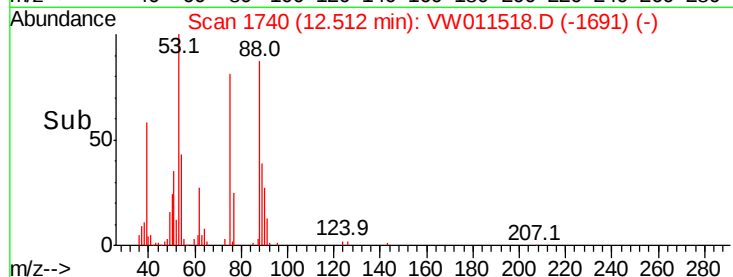
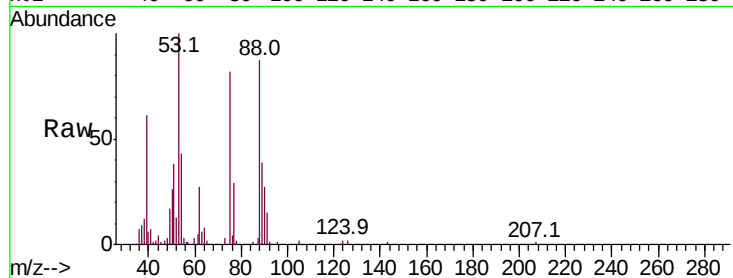
#81
trans-1,4-Dichloro-2-butene
Concen: 17.635 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.0	88.0	132.0
89	44.9	35.3	52.9

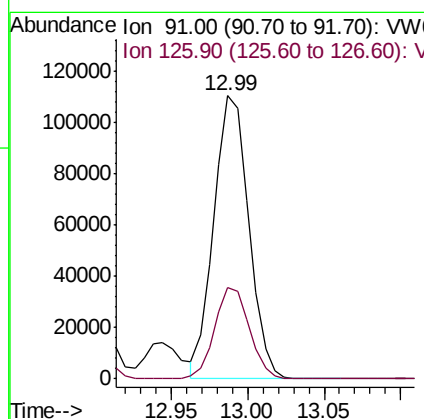
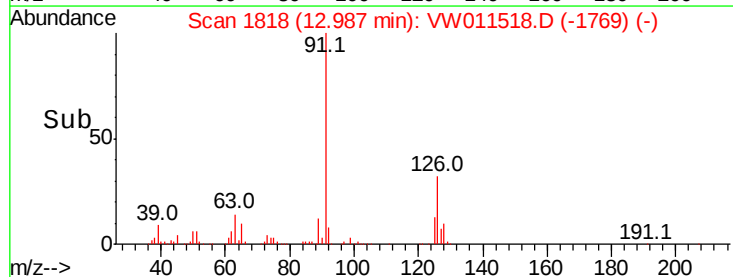
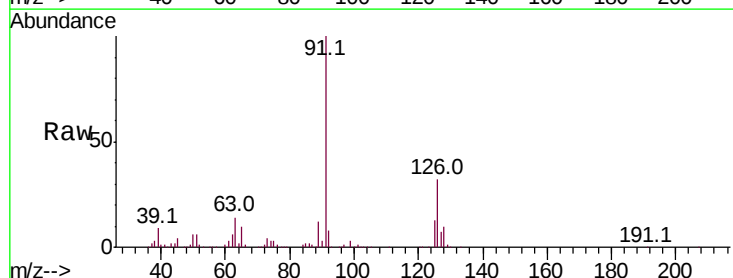
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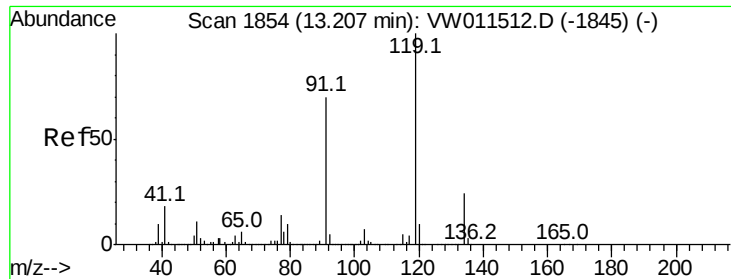
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.619 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.6	46.8





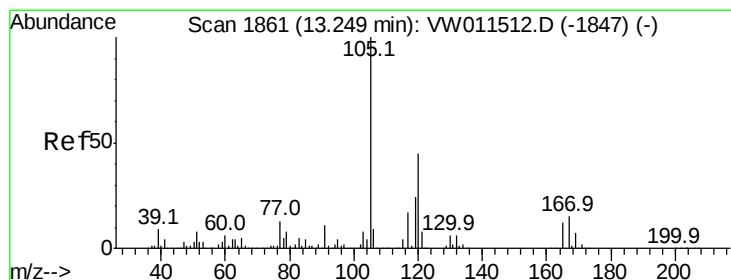
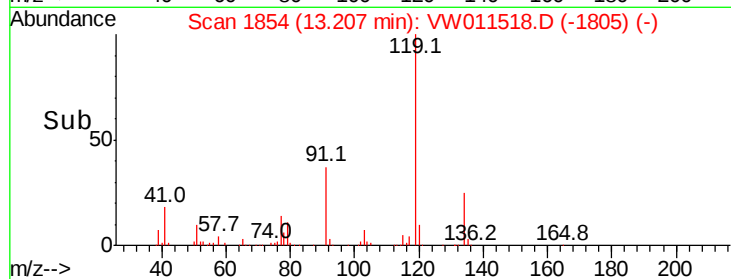
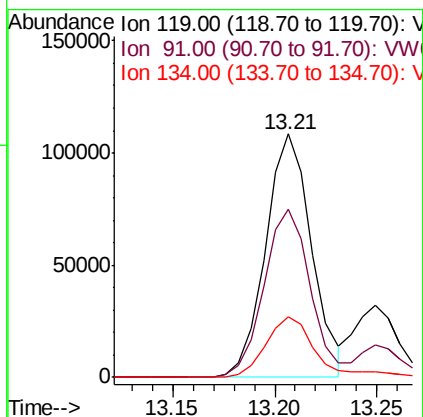
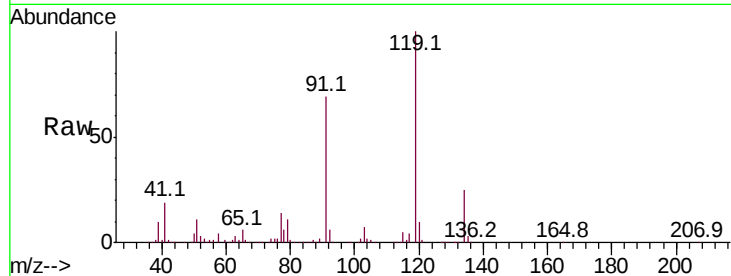
#83
tert-Butylbenzene
Concen: 20.041 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.5	103.6
134	27.0	12.4	37.4

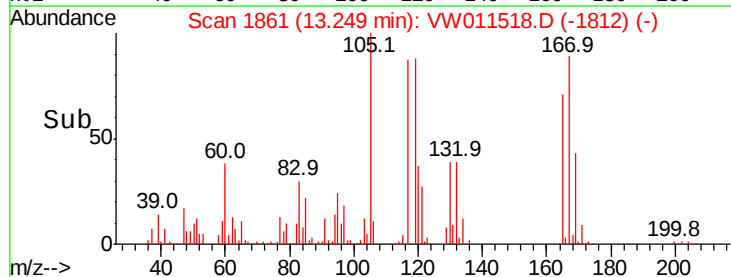
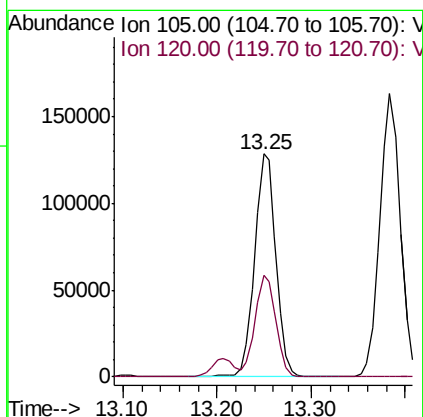
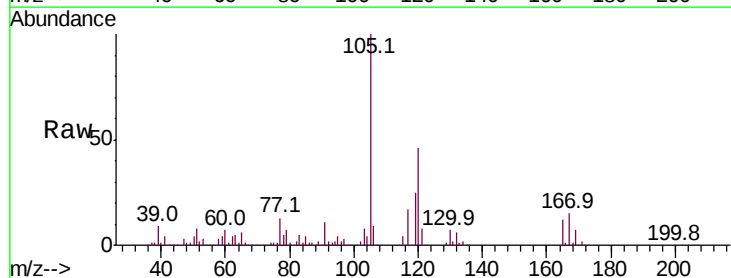
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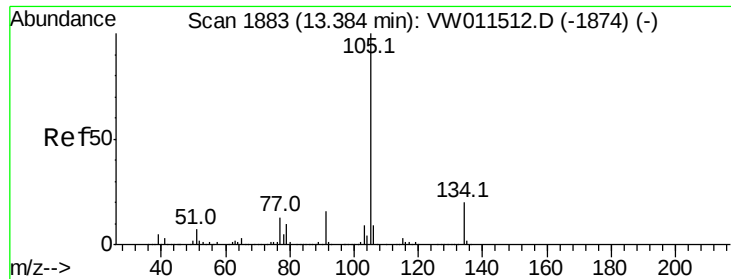
MMDadoda
7/29/2019 9:18:59 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.969 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.5





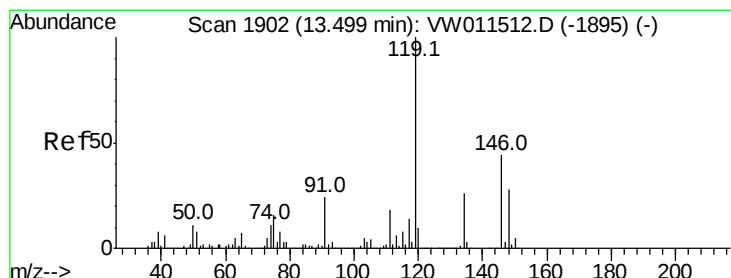
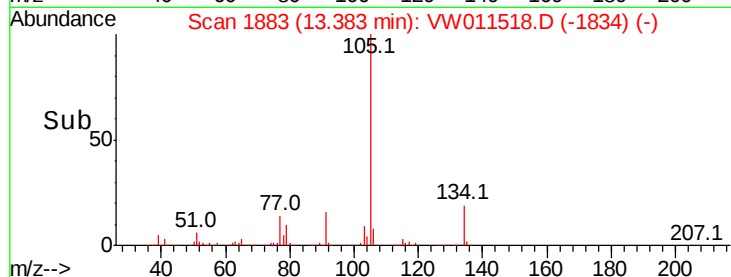
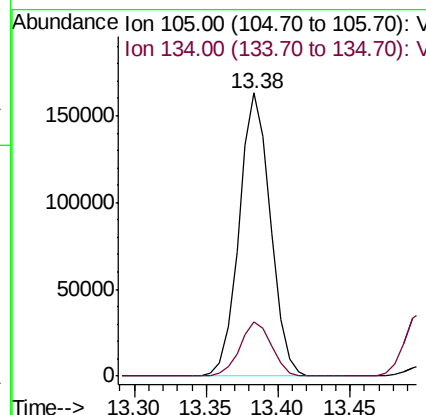
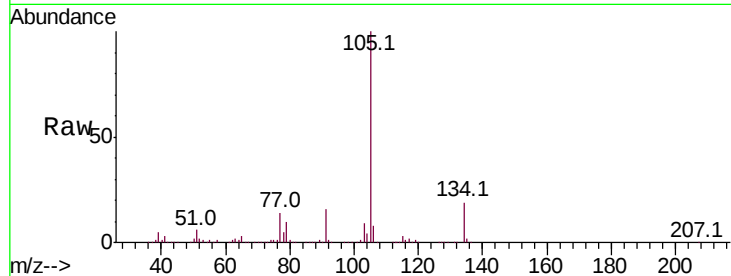
#85
 sec-Butylbenzene
 Concen: 20.218 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	245718		
134	19.4	9.7	29.1	

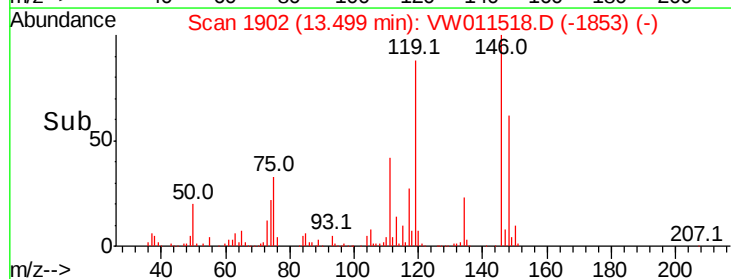
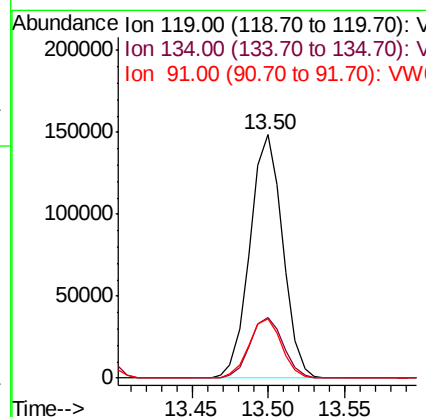
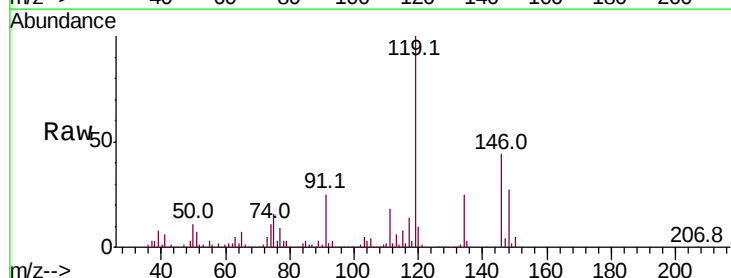
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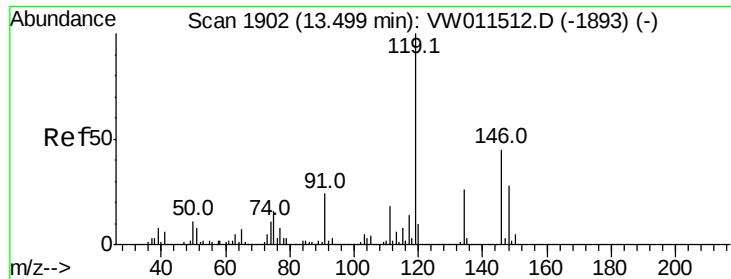
MMDadoda
 7/29/2019 9:18:59 AM



#86
 p-Isopropyltoluene
 Concen: 20.062 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	221217		
134	25.5	12.8	38.4	
91	24.5	12.1	36.3	





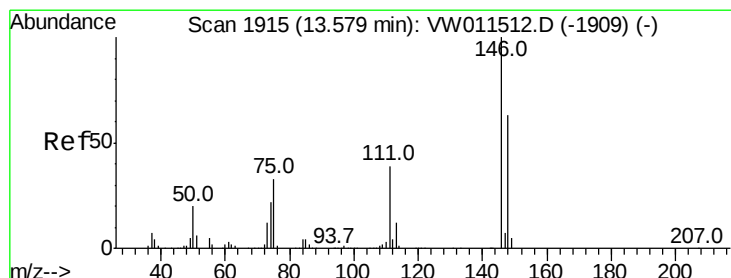
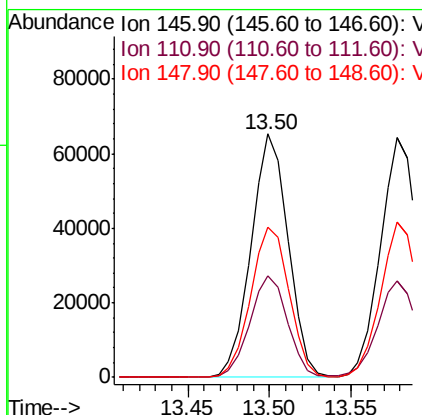
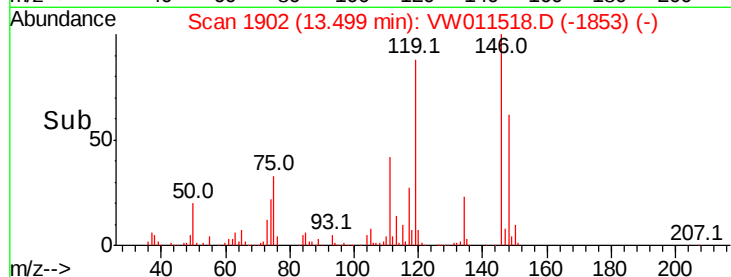
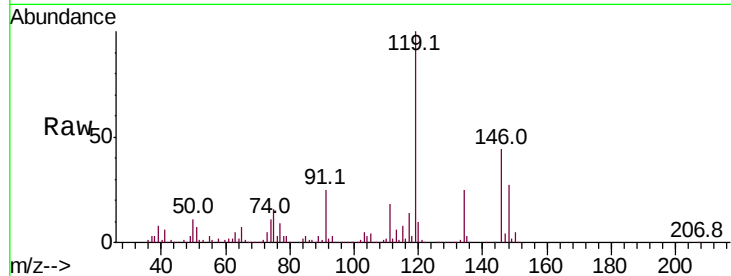
#87
 1,3-Dichlorobenzene
 Concen: 19.617 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	103305		
111	42.3	20.5	61.6	
148	64.2	31.8	95.3	

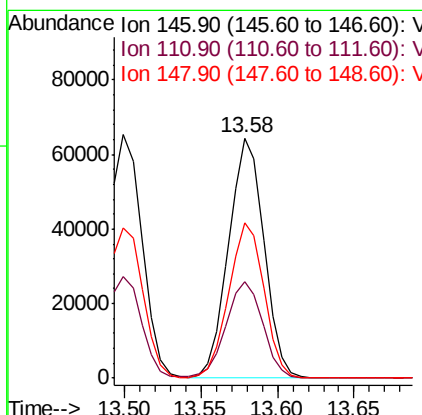
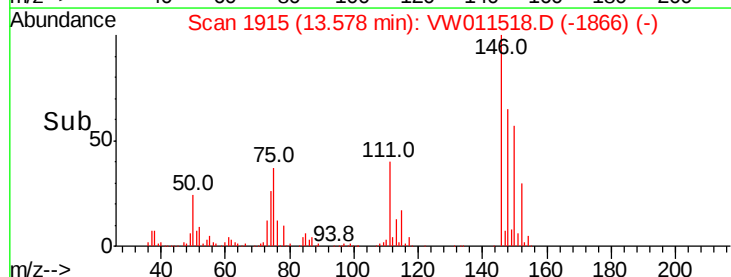
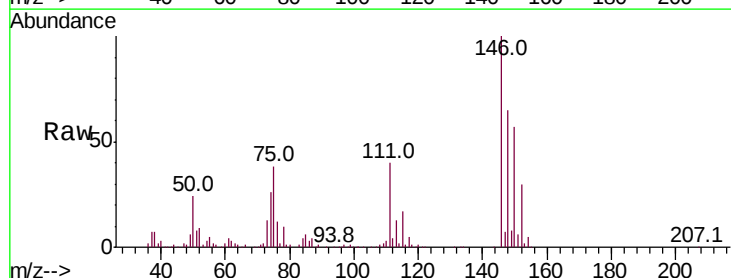
Manual Integrations
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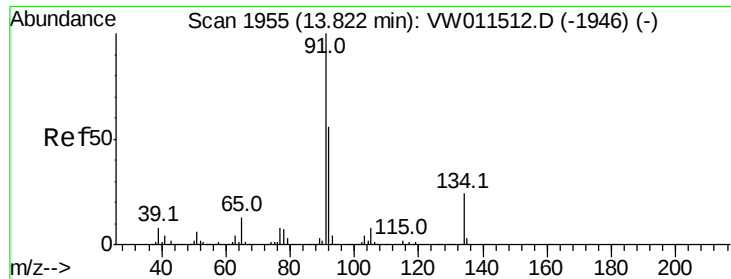
MMDadoda
 7/29/2019 9:18:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.716 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	103279		
111	41.9	20.1	60.2	
148	64.7	31.9	95.9	





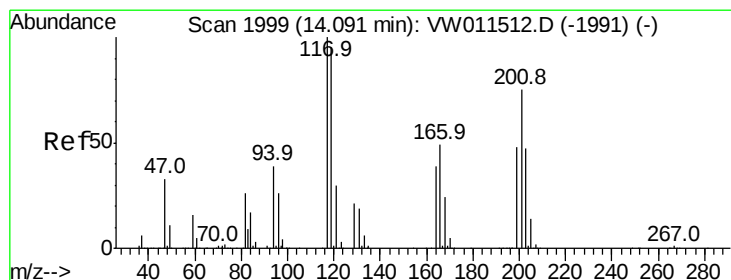
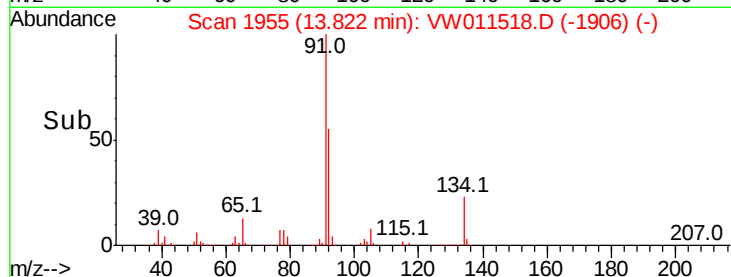
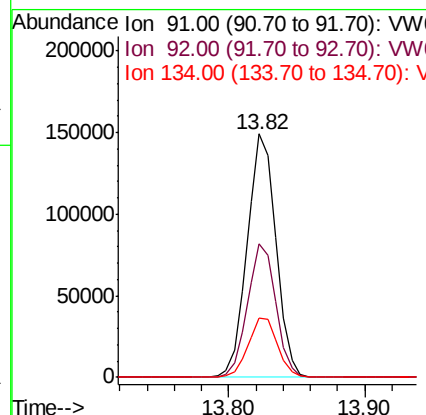
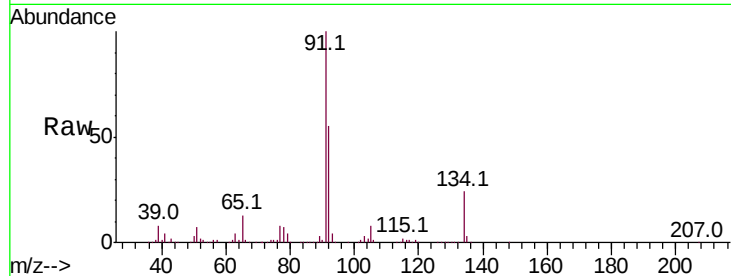
#89
n-Butylbenzene
Concen: 20.082 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.2	27.5	82.4	
134	24.9	12.2	36.6	

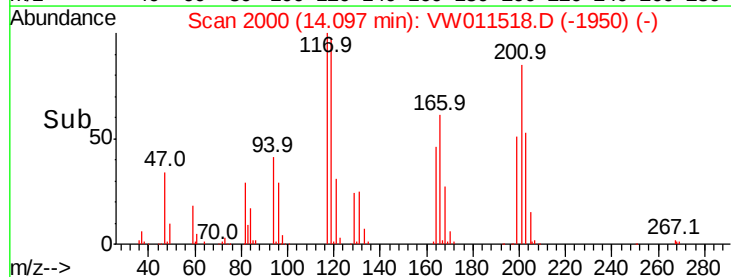
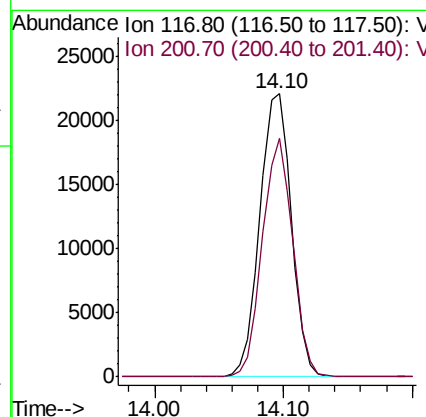
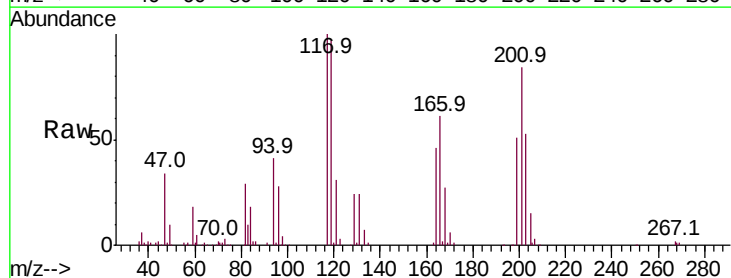
Manual Integrations
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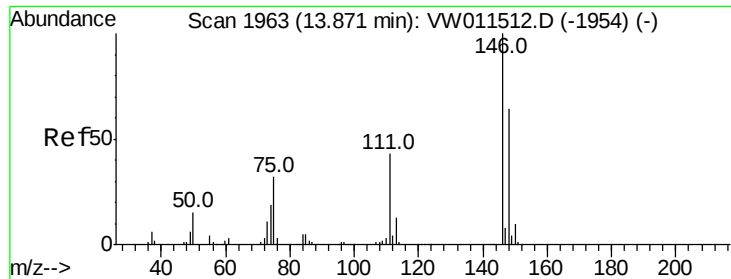
MMDadoda
7/29/2019 9:18:59 AM



#90
Hexachloroethane
Concen: 19.175 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.0	39.4	118.2	





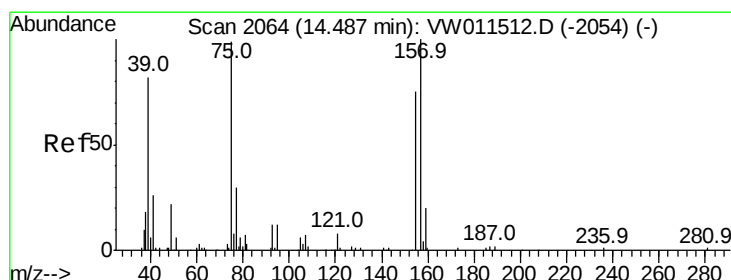
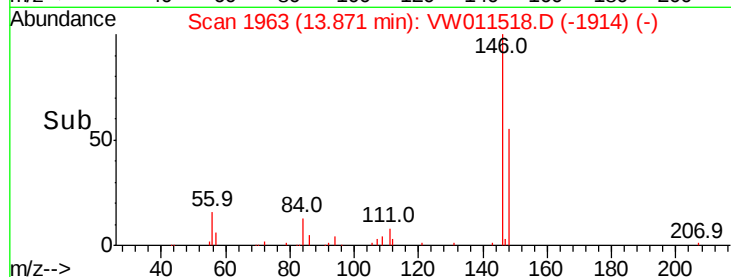
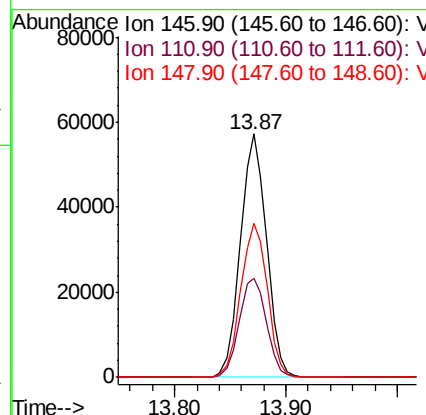
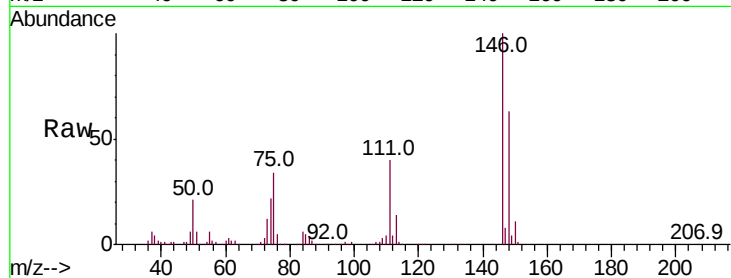
#91
 1,2-Dichlorobenzene
 Concen: 19.880 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.6	65.0
148	64.5	32.0	96.2

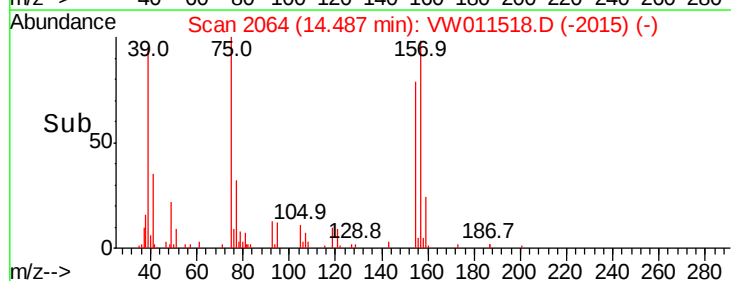
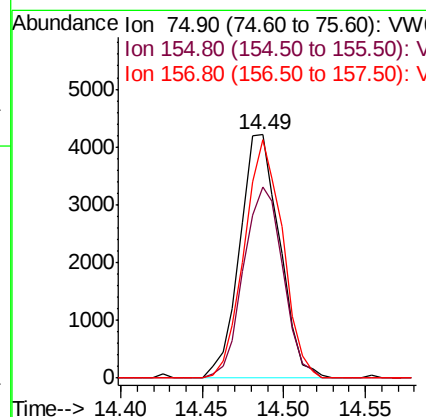
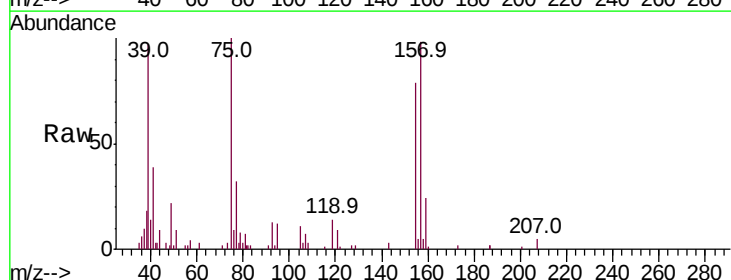
Manual Integrations
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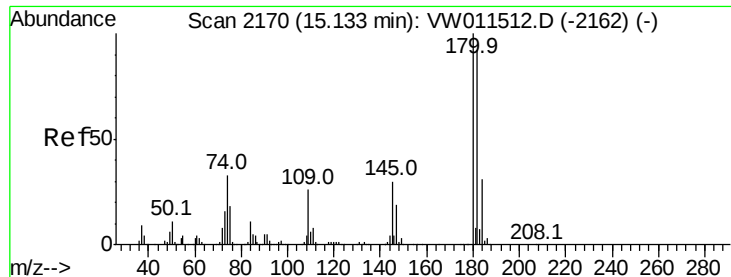
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.402 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.6	38.2	114.6
157	94.0	48.9	146.7





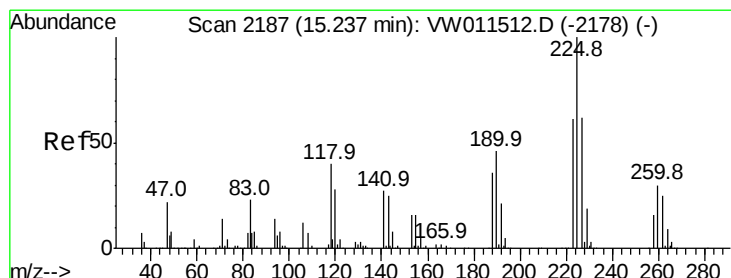
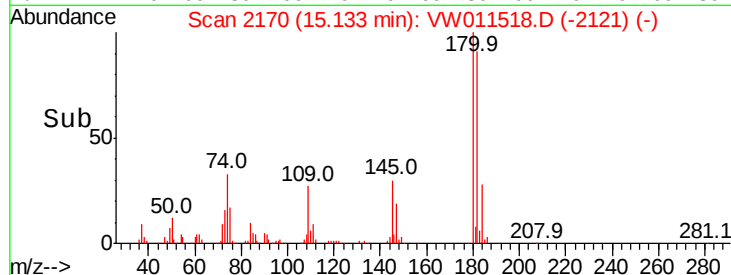
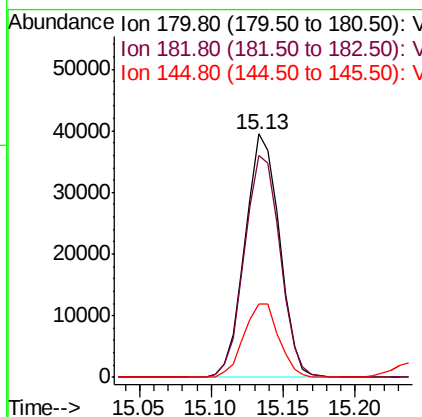
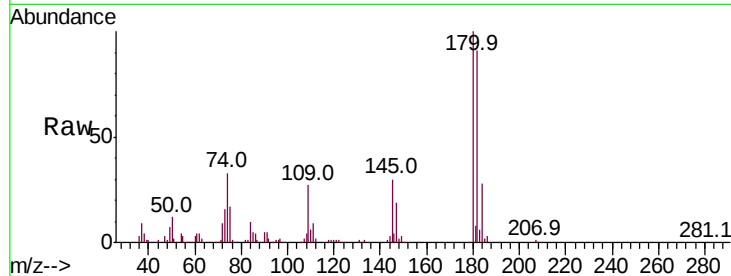
#93
 1,2,4-Trichlorobenzene
 Concen: 19.975 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	47.4	142.2	
145	30.5	15.4	46.1	

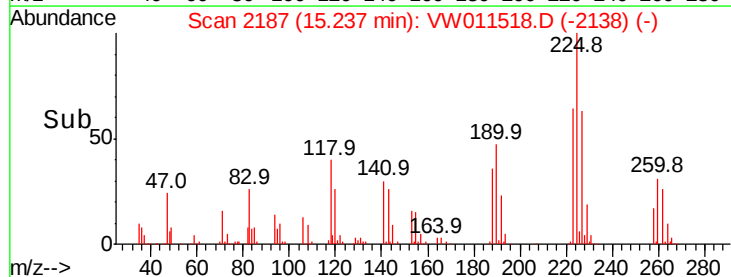
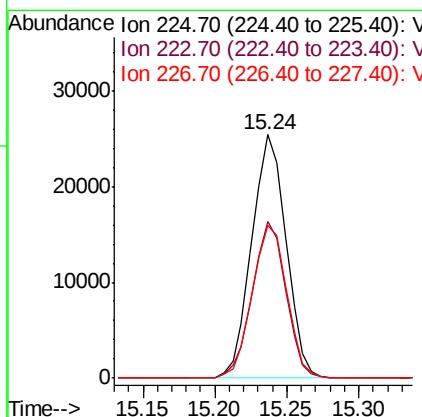
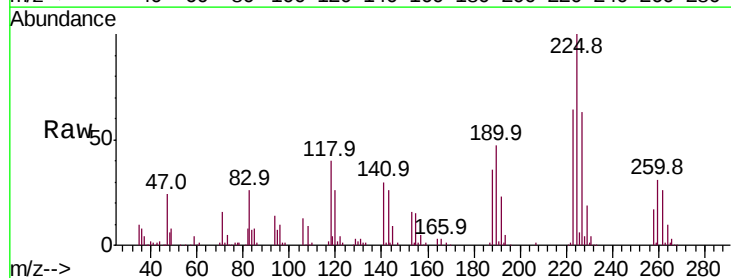
Manual Integrations
 APPROVED

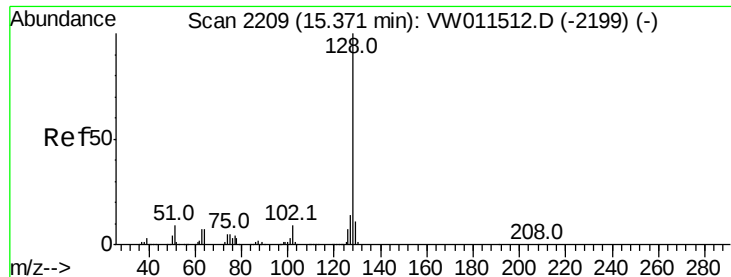
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 7/29/2019 9:18:59 AM



#94
 Hexachlorobutadiene
 Concen: 20.526 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011518.D
 Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	30.8	92.3	
227	62.7	31.6	94.7	





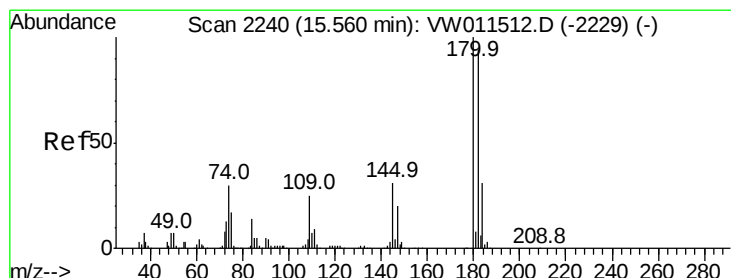
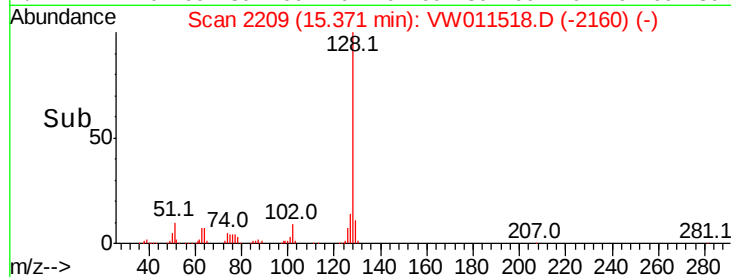
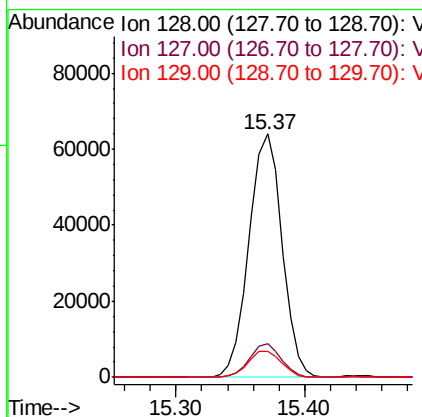
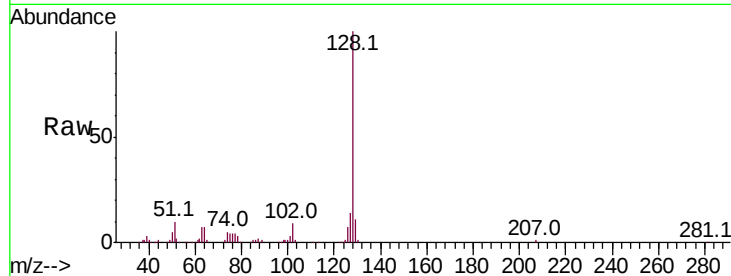
#95
Naphthalene
Concen: 18.982 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.122 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011518.D
Acq: 26 Jul 2019 16:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.4	142.2
145	31.7	15.9	47.7

