

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011445.D
 Acq On : 23 Jul 2019 21:48
 Operator : SY/VA
 Sample : VW0724SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0724SBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:10:52 PM

Quant Time: Jul 24 06:59:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	377347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163511	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	116710	41.08	ug/l	0.00
Spiked Amount			Recovery	=	82.16%	
35) Dibromofluoromethane	7.88	113	94252	41.91	ug/l	0.00
Spiked Amount			Recovery	=	83.82%	
50) Toluene-d8	10.32	98	371145	40.82	ug/l	0.00
Spiked Amount			Recovery	=	81.64%	
62) 4-Bromofluorobenzene	12.62	95	137676	41.32	ug/l	0.00
Spiked Amount			Recovery	=	82.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27089	16.063	ug/l	94
3) Chloromethane	2.21	50	44764	20.600	ug/l	95
4) Vinyl Chloride	2.35	62	51956	18.267	ug/l	95
5) Bromomethane	2.76	94	26227	18.351	ug/l	95
6) Chloroethane	2.92	64	28372	18.520	ug/l	99
7) Trichlorofluoromethane	3.25	101	20728	20.514	ug/l	99
8) Diethyl Ether	3.68	74	27909	19.963	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44218	18.270	ug/l	99
10) Methyl Iodide	4.28	142	63157	18.973	ug/l	99
11) Tert butyl alcohol	5.18	59	21788	103.575	ug/l	95
12) 1,1-Dichloroethene	4.04	96	46341	18.448	ug/l	88
13) Acrolein	3.90	56	11896	71.017	ug/l	99
14) Allyl chloride	4.66	41	97459	21.276	ug/l	99
15) Acrylonitrile	5.37	53	70146	98.518	ug/l	97
16) Acetone	4.12	43	65022	95.110	ug/l	100
17) Carbon Disulfide	4.38	76	131310	17.242	ug/l	99
18) Methyl Acetate	4.67	43	50512	25.283	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	80759	21.188	ug/l	97
20) Methylene Chloride	4.92	84	56876	21.089	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	51349	19.673	ug/l	96
22) Diisopropyl ether	6.31	45	205640	20.872	ug/l	98
23) Vinyl Acetate	6.25	43	566629	92.932	ug/l	100
24) 1,1-Dichloroethane	6.21	63	104750	20.247	ug/l	97
25) 2-Butanone	7.17	43	103413	96.364	ug/l	97
26) 2,2-Dichloropropane	7.16	77	58901	21.902	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	57828	20.538	ug/l	97
28) Bromochloromethane	7.51	49	47939	20.379	ug/l #	100
29) Tetrahydrofuran	7.53	42	65441	92.999	ug/l	99
30) Chloroform	7.67	83	98652	20.590	ug/l	99
31) Cyclohexane	7.95	56	100375	18.237	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	72301	19.838	ug/l	99
36) 1,1-Dichloropropene	8.08	75	76995	19.161	ug/l	99
37) Ethyl Acetate	7.25	43	45763	18.955	ug/l	99
38) Carbon Tetrachloride	8.06	117	65096	19.109	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	87938	18.055	ug/l	99
40) Benzene	8.32	78	223043	20.084	ug/l	99
41) Methacrylonitrile	7.48	41	27518	19.928	ug/l	95
42) 1,2-Dichloroethane	8.40	62	72340	20.081	ug/l	99
43) Isopropyl Acetate	8.42	43	84913	18.628	ug/l	98
44) Trichloroethene	9.09	130	52709	19.724	ug/l	95
45) 1,2-Dichloropropane	9.37	63	60898	20.250	ug/l	97
46) Dibromomethane	9.46	93	28080	19.877	ug/l	98
47) Bromodichloromethane	9.64	83	72058	19.936	ug/l	98
48) Methyl methacrylate	9.43	41	40013	18.246	ug/l	95
49) 1,4-Dioxane	9.46	88	8200	347.754	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	222112	93.280	ug/l	99
52) Toluene	10.39	92	132961	19.737	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	72130	18.747	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	86097	19.012	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	39939	19.929	ug/l	96
56) Ethyl methacrylate	10.65	69	57384	18.807	ug/l	99
57) 1,3-Dichloropropane	10.93	76	76070	20.073	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	143181	101.222	ug/l	99
59) 2-Hexanone	10.97	43	149665	90.634	ug/l	98
60) Dibromochloromethane	11.13	129	43834	19.946	ug/l	98
61) 1,2-Dibromoethane	11.23	107	36974	19.477	ug/l	99
64) Tetrachloroethene	10.86	164	45931	20.197	ug/l	98
65) Chlorobenzene	11.66	112	135257	19.739	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	47706	19.773	ug/l	99
67) Ethyl Benzene	11.73	91	257267	19.612	ug/l	97
68) m/p-Xylenes	11.83	106	187903	39.588	ug/l	100
69) o-Xylene	12.16	106	88115	19.697	ug/l	99
70) Styrene	12.18	104	152714	19.780	ug/l	100
71) Bromoform	12.35	173	24188	18.856	ug/l #	97
73) Isopropylbenzene	12.46	105	243493	19.921	ug/l	100
74) N-amyl acetate	12.27	43	76998	18.087	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49394	19.714	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	33628m	17.797	ug/l	
77) Bromobenzene	12.74	156	55752	20.325	ug/l	97
78) n-propylbenzene	12.80	91	297772	19.776	ug/l	100
79) 2-Chlorotoluene	12.89	91	169727	19.589	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	205687	19.808	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13349	15.979	ug/l	97
82) 4-Chlorotoluene	12.99	91	178653	19.796	ug/l	99
83) tert-Butylbenzene	13.21	119	172025	19.864	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	207647	19.915	ug/l	99
85) sec-Butylbenzene	13.38	105	244990	19.605	ug/l	99
86) p-Isopropyltoluene	13.50	119	221025	19.720	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	105546	19.999	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	106943	20.123	ug/l	98
89) n-Butylbenzene	13.82	91	216881	19.397	ug/l	100
90) Hexachloroethane	14.10	117	39277	19.177	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	97267	20.315	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8207	18.466	ug/l	95

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QLast Update : Thu Jul 11 08:14:17 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64902	19.680	ug/l	100
94) Hexachlorobutadiene	15.24	225	39708	19.612	ug/l	99
95) Naphthalene	15.37	128	116463	18.429	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57365	19.710	ug/l	99

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

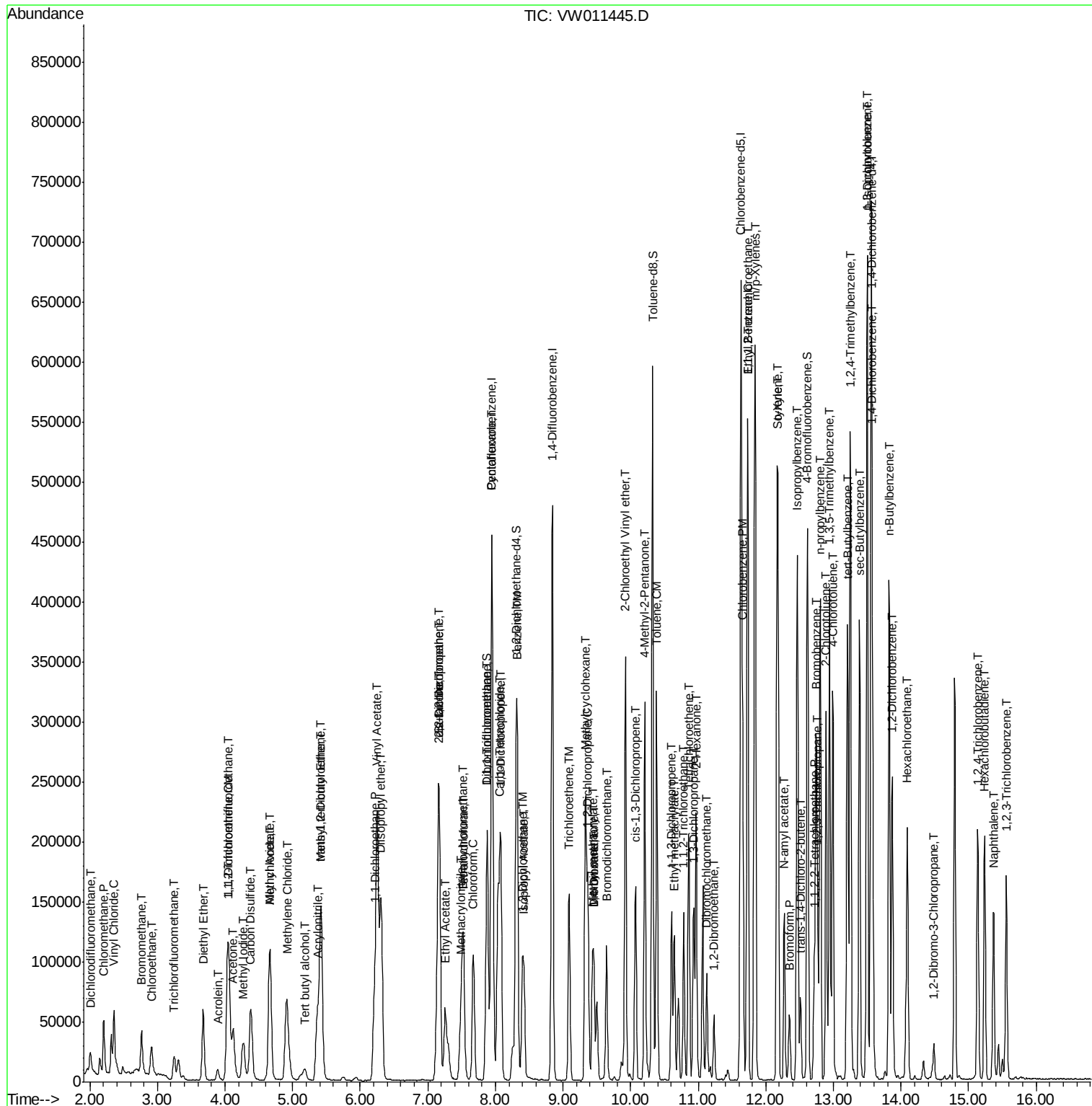
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Data File : VW011445.D
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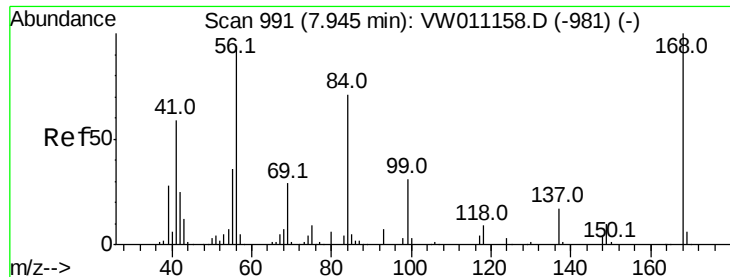
Instrument :
MSVOA_W
ClientSampleId :
VW0724SBSD01

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Quant Title : SW846 8260
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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: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBSD01

Tot Ion:168 Resp: 226121

Ion Ratio Lower Upper

168 100

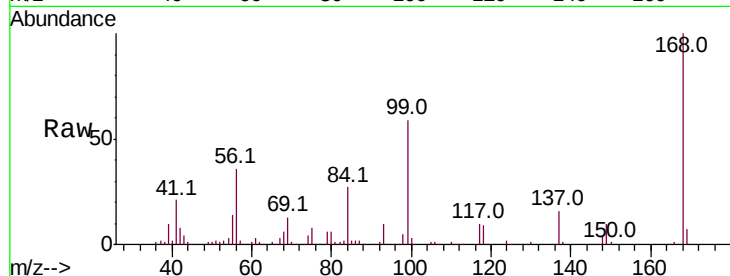
99 58.9 50.1 75.1

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

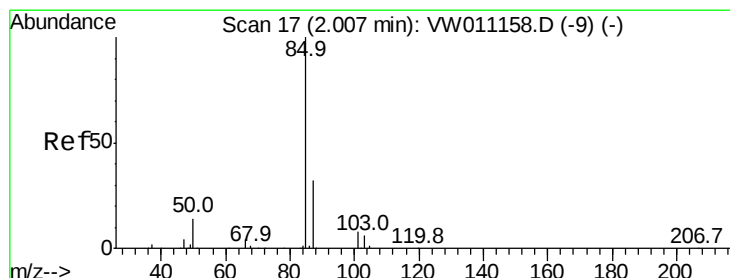
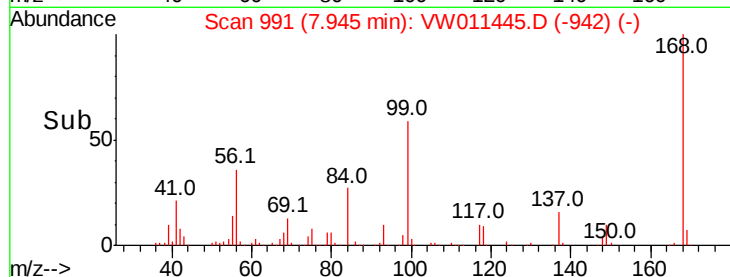
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.063 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011445.D

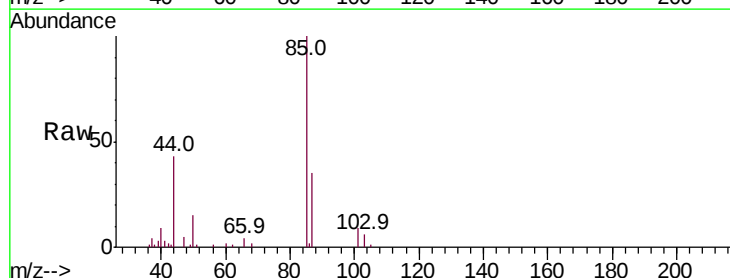
Acq: 23 Jul 2019 21:48

Tgt Ion: 85 Resp: 27089

Ion Ratio Lower Upper

85 100

87 34.8 15.9 47.6



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

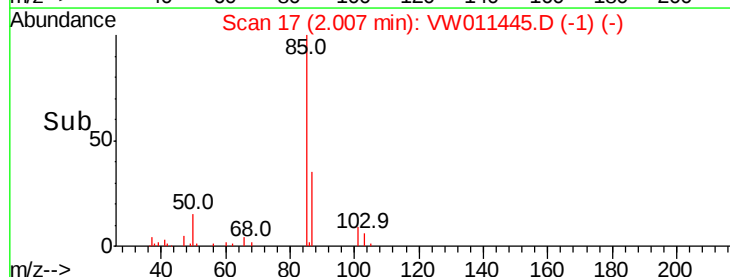
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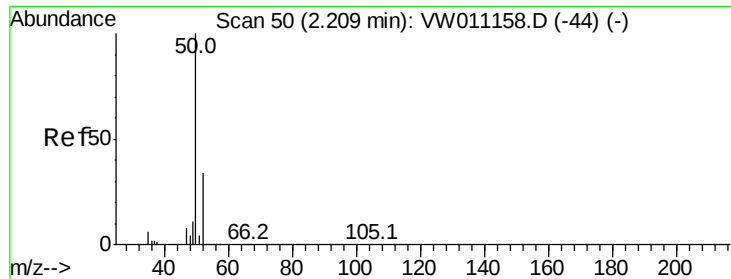
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 20.600 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBS01

Tot Ion: 50 Resp: 44764

Ion Ratio Lower Upper

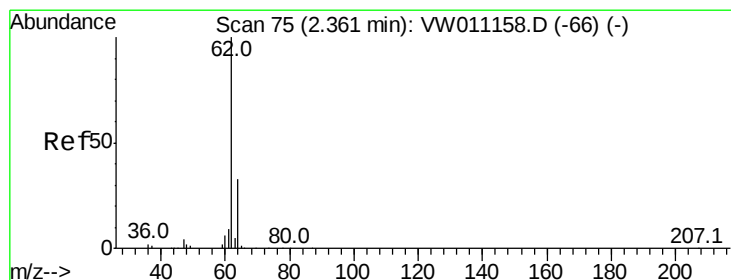
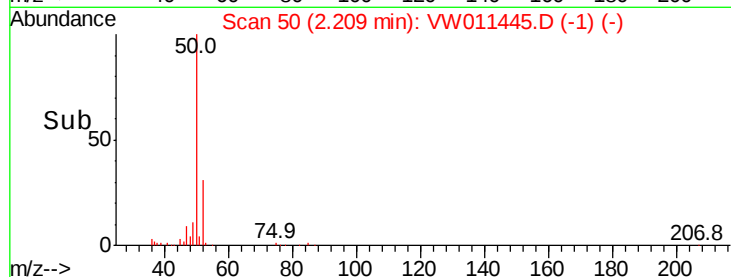
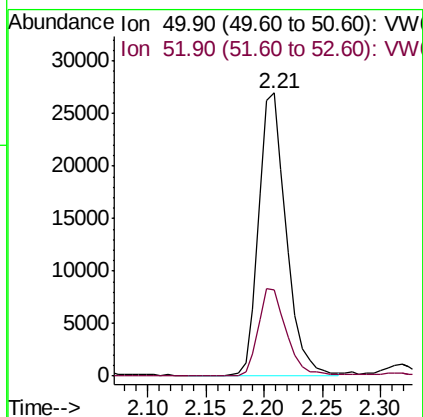
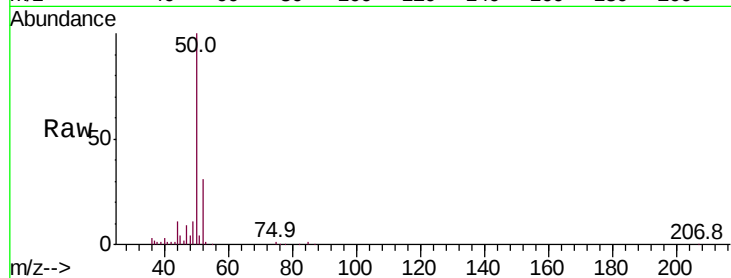
50 100

52 30.6 26.9 40.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.267 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011445.D

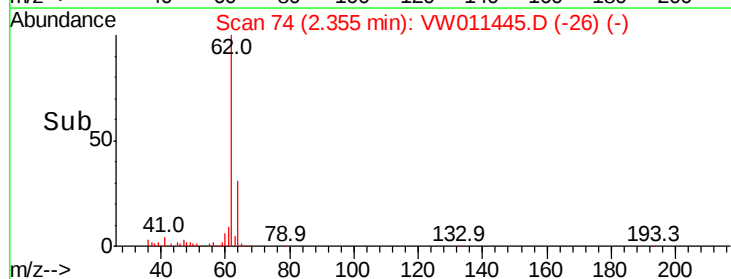
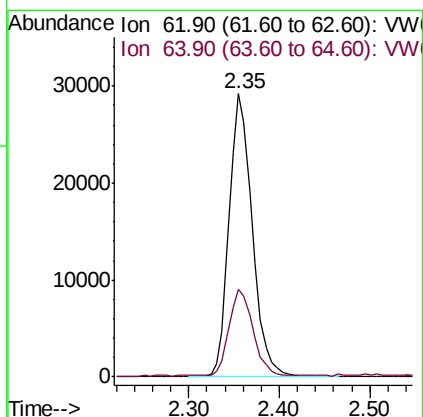
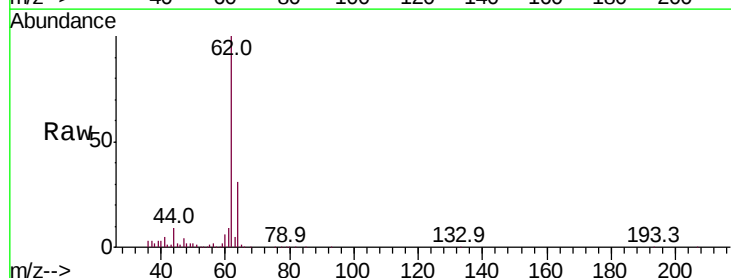
Acq: 23 Jul 2019 21:48

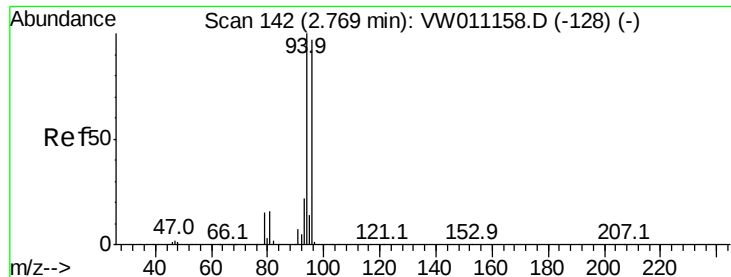
Tgt Ion: 62 Resp: 51956

Ion Ratio Lower Upper

62 100

64 30.3 26.6 40.0





#5

Bromomethane

Concen: 18.351 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBSD01

Tot Ion: 94 Resp: 26227

Ion Ratio Lower Upper

94 100

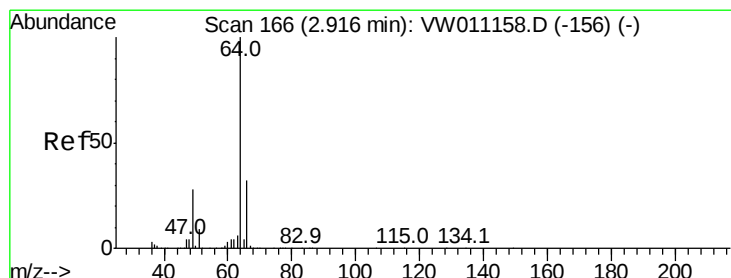
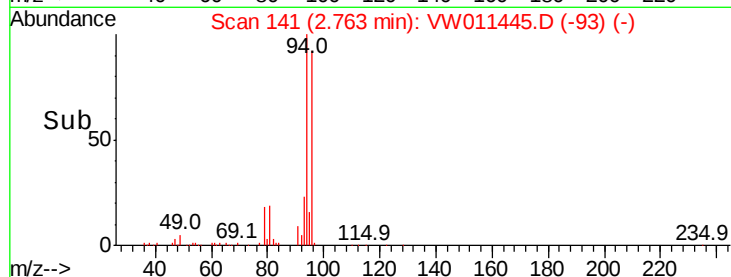
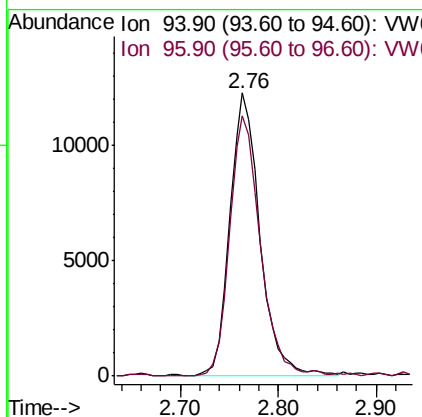
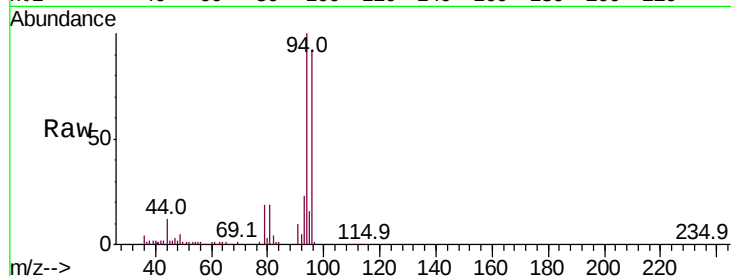
96 92.1 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 18.520 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011445.D

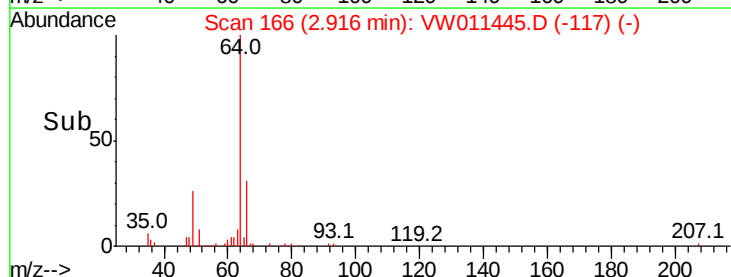
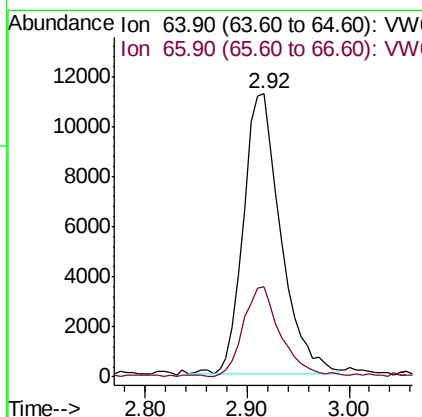
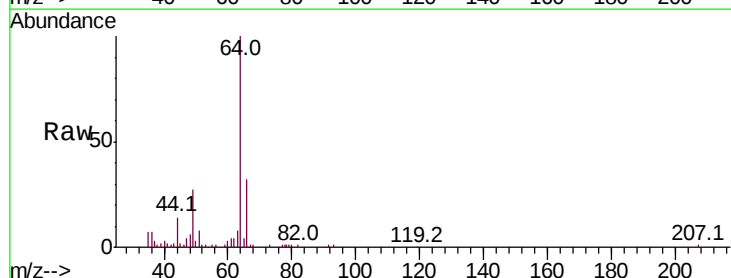
Acq: 23 Jul 2019 21:48

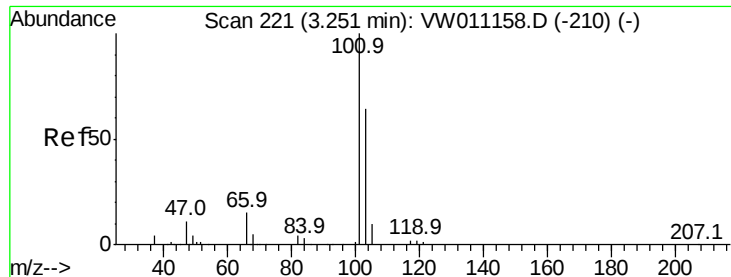
Tgt Ion: 64 Resp: 28372

Ion Ratio Lower Upper

64 100

66 31.5 25.8 38.8





#7

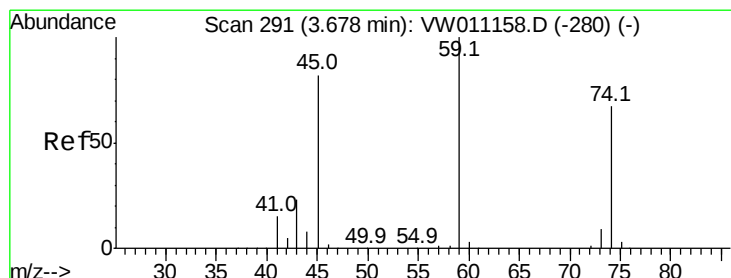
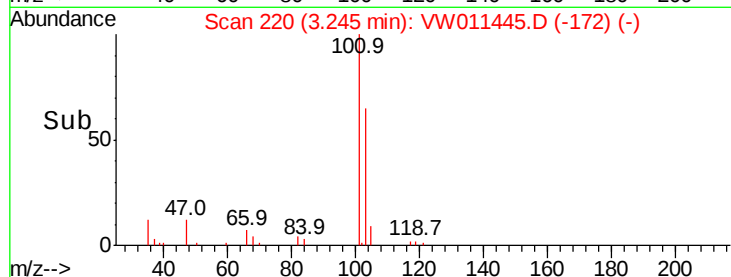
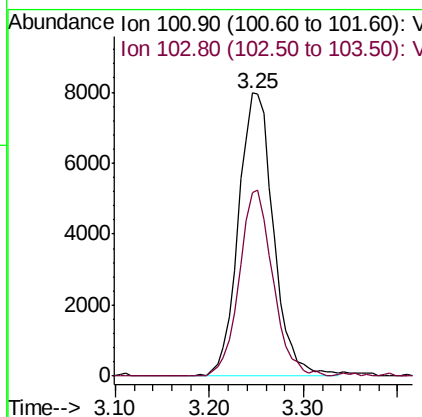
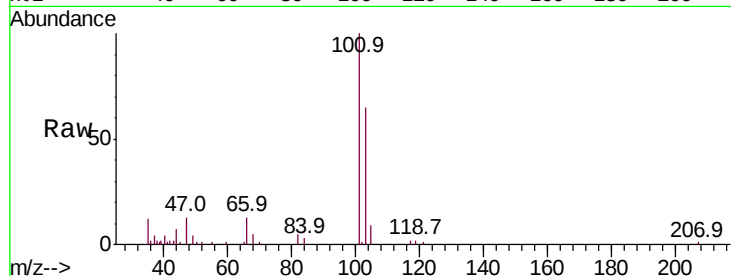
Trichlorofluoromethane
Concen: 20.514 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBSD01

Tot Ion:101 Resp: 20728
Ion Ratio Lower Upper
101 100
103 64.8 51.3 76.9

Manual Integrations
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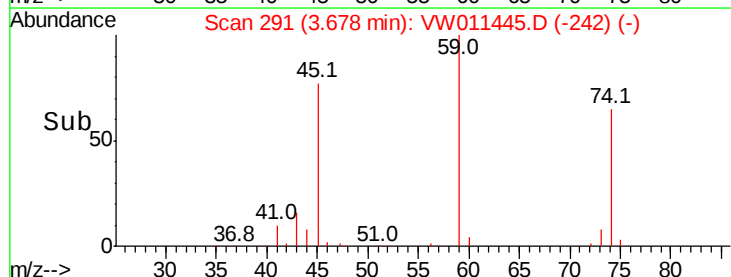
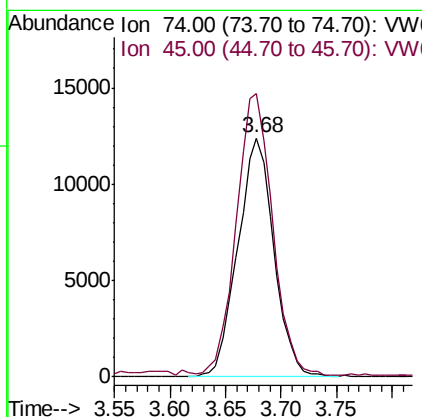
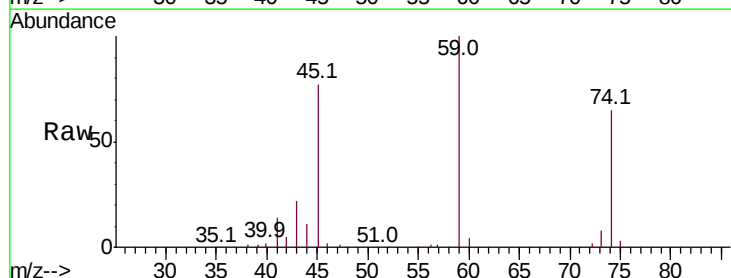
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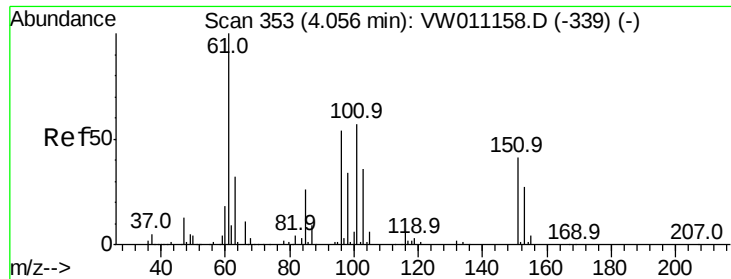


#8

Diethyl Ether
Concen: 19.963 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion: 74 Resp: 27909
Ion Ratio Lower Upper
74 100
45 117.9 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.270 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

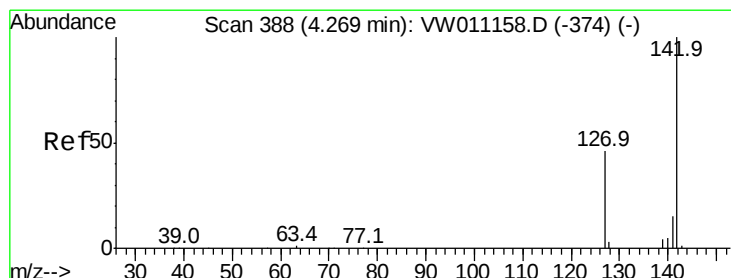
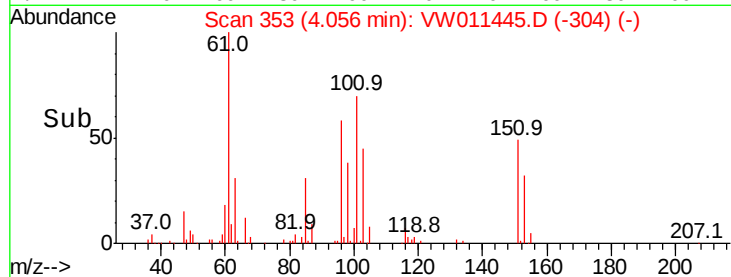
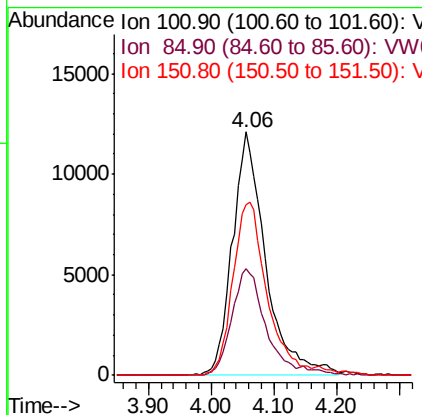
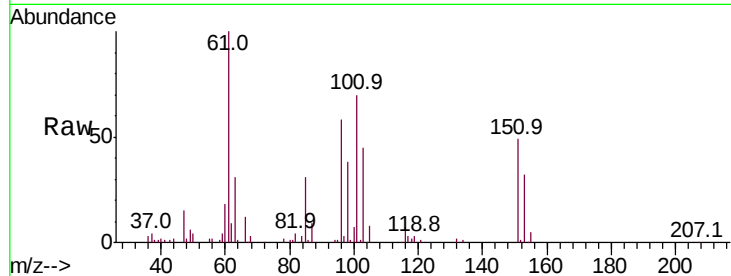
ClientSampleId :

VW0724SBS01

Tot Ion:	101	Resp:	44218
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.5	54.7
151	72.7	59.1	88.7

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#10

Methyl Iodide

Concen: 18.973 ug/l

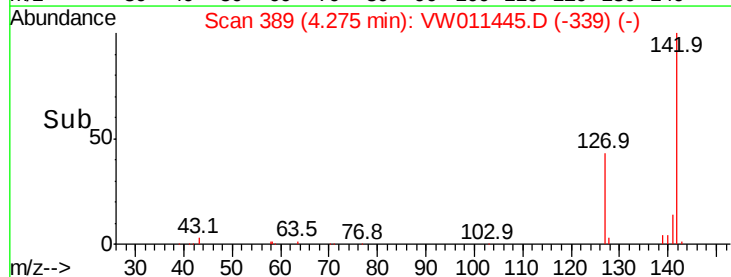
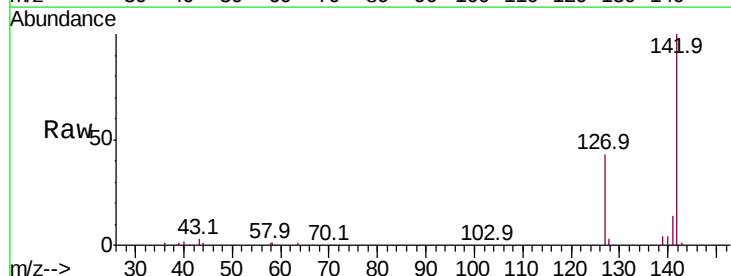
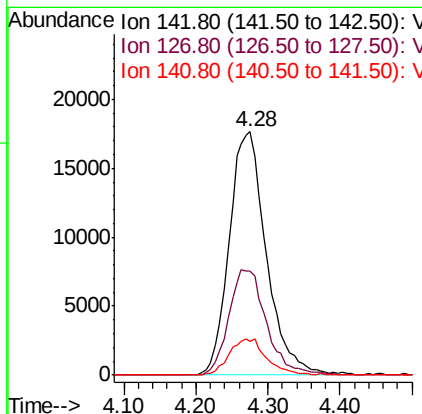
RT: 4.28 min Scan# 389

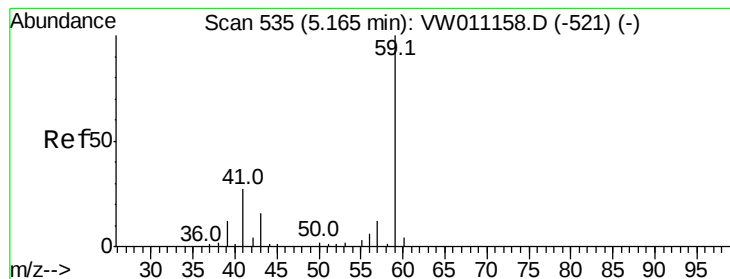
Delta R.T. 0.01 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Tgt Ion:	142	Resp:	63157
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.7	53.5
141	14.9	11.5	17.3





#11

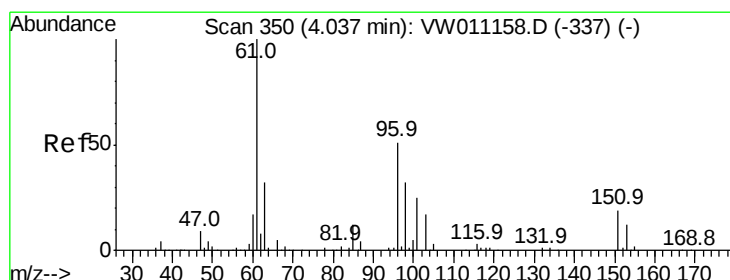
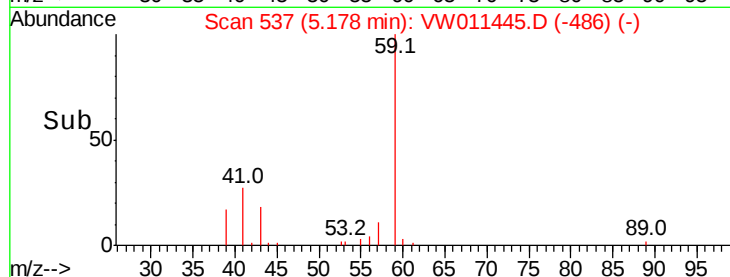
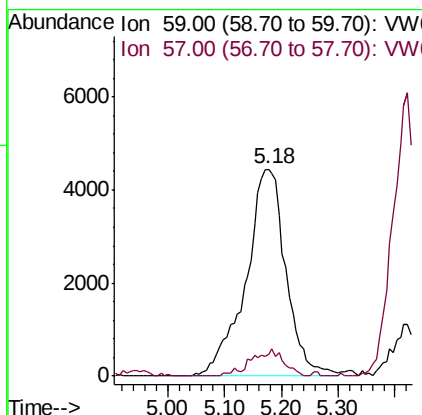
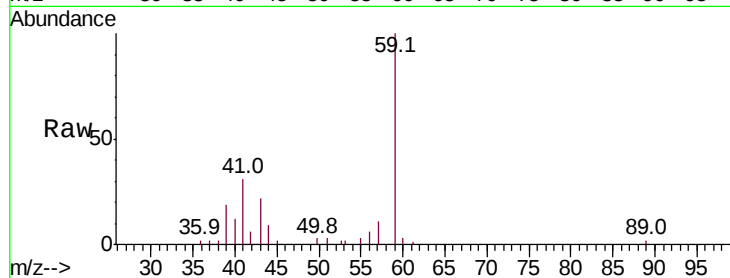
Tert butyl alcohol
 Concen: 103.575 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW011445.D
 Acq: 23 Jul 2019 21:48

Instrument :
 MSVOA_W
 ClientSampled :
 VW0724SBS01

Tot Ion	59	57	Ratio	100	9.4	Resp	21788	Lower	9.0	Upper	13.6
Ion	59	57	Ratio	100	9.4	Resp	21788	Lower	9.0	Upper	13.6

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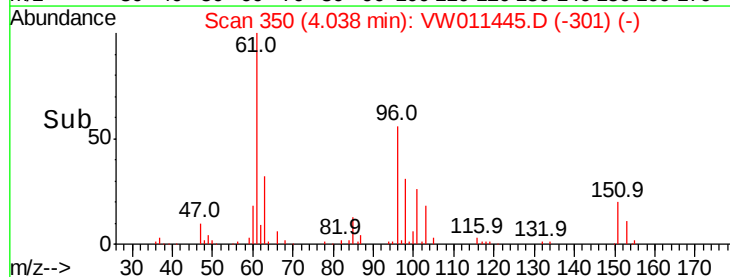
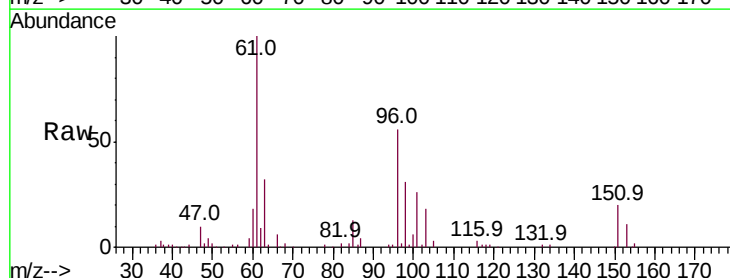
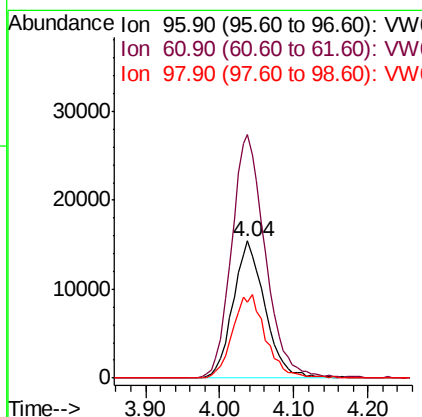
MMDadoda
 7/25/2019 3:10:52 PM

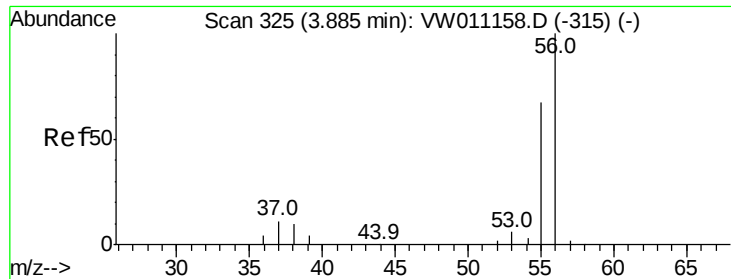


#12

1,1-Dichloroethene
 Concen: 18.448 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011445.D
 Acq: 23 Jul 2019 21:48

Tgt Ion	96	61	98	Ratio	100	178.0	55.9	Resp	46341	Lower	157.7	50.9	Upper	236.5	76.3
Ion	96	61	98	Ratio	100	178.0	55.9	Resp	46341	Lower	157.7	50.9	Upper	236.5	76.3





#13

Acrolein

Concen: 71.017 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBSD01

Tot Ion: 56 Resp: 11896

Ion Ratio Lower Upper

56 100

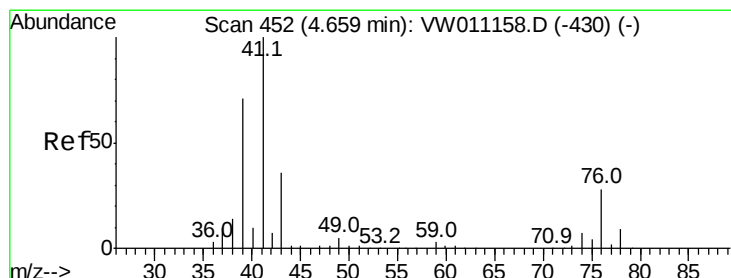
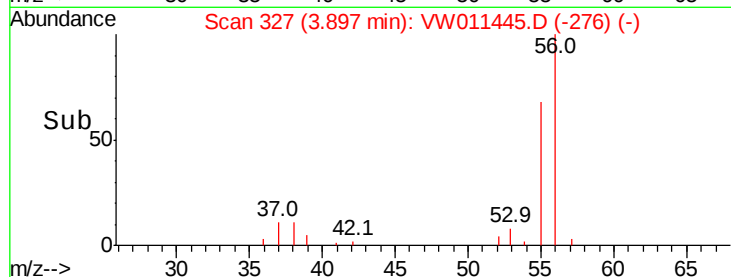
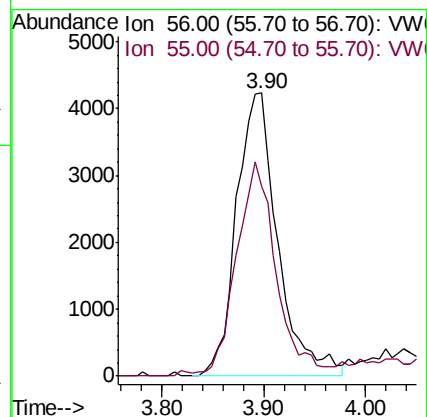
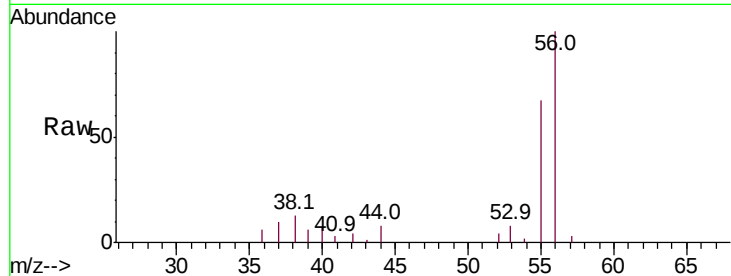
55 69.4 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 21.276 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

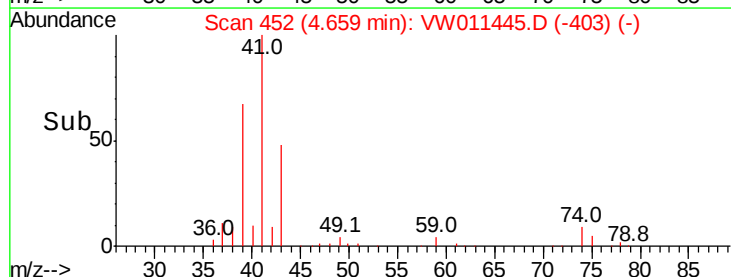
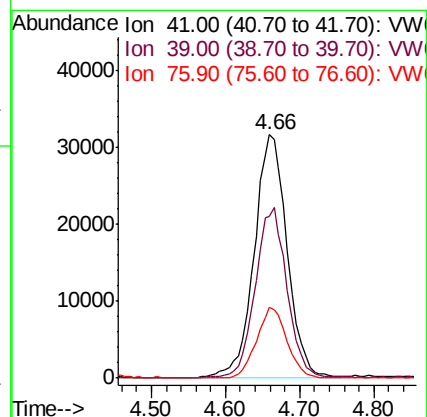
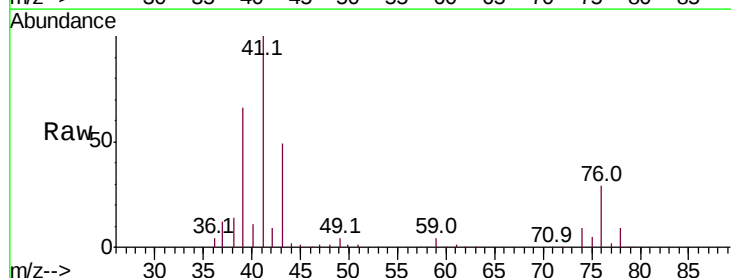
Tgt Ion: 41 Resp: 97459

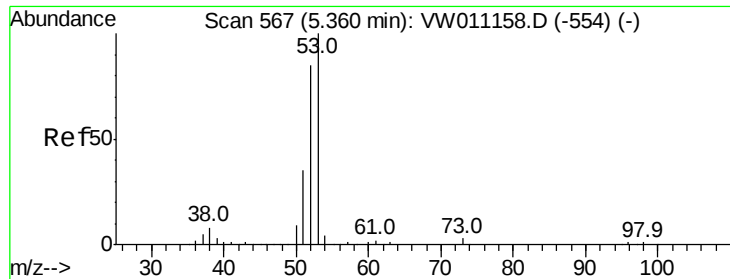
Ion Ratio Lower Upper

41 100

39 68.4 55.1 82.7

76 27.0 22.5 33.7





#15

Acrylonitrile

Concen: 98.518 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

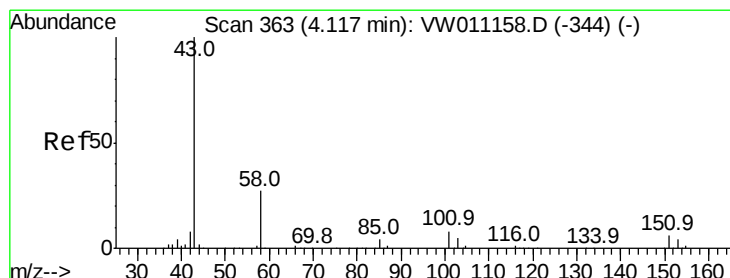
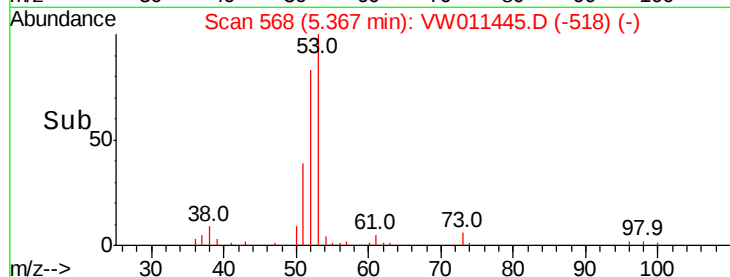
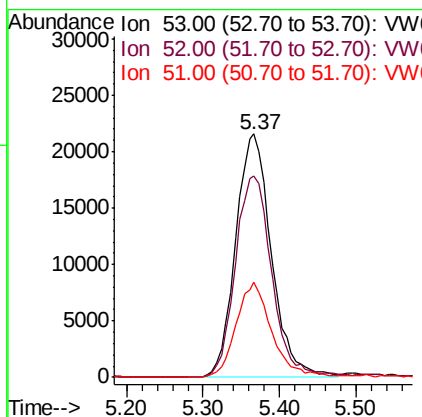
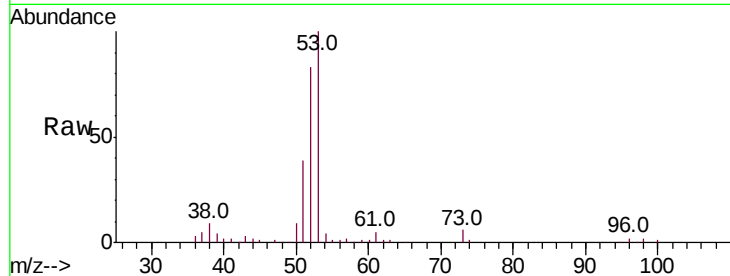
ClientSampleId :

VW0724SBS01

Tot Ion:	53	Resp:	70146
Ion Ratio	Lower	Upper	
53	100		
52	84.5	66.2	99.4
51	38.6	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 95.110 ug/l

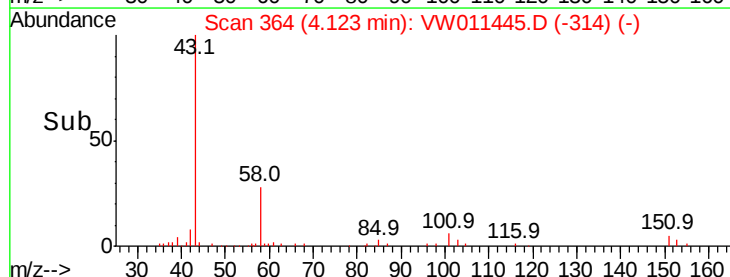
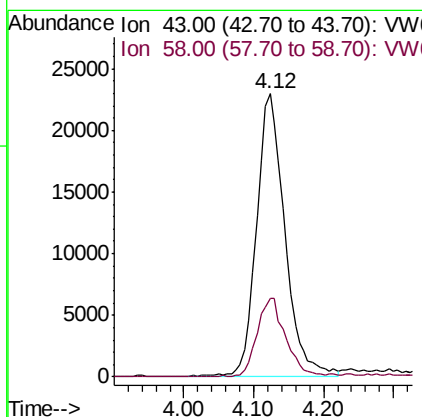
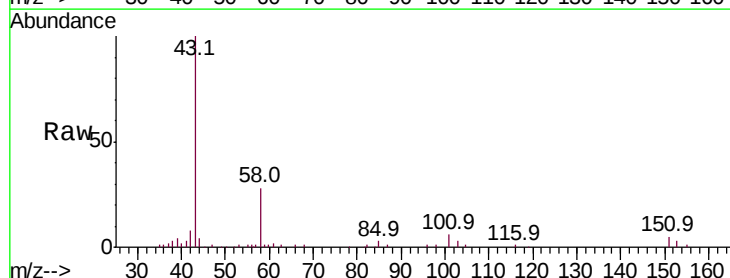
RT: 4.12 min Scan# 364

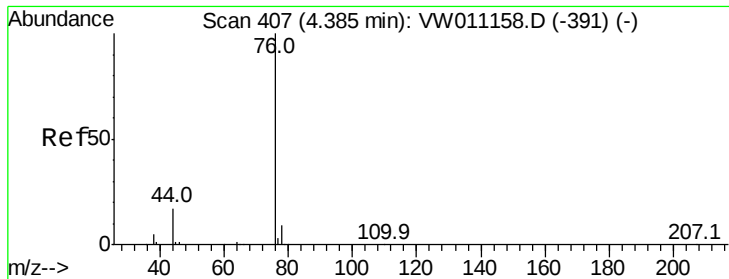
Delta R.T. 0.01 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Tgt Ion:	43	Resp:	65022
Ion Ratio	Lower	Upper	
43	100		
58	27.3	21.8	32.6





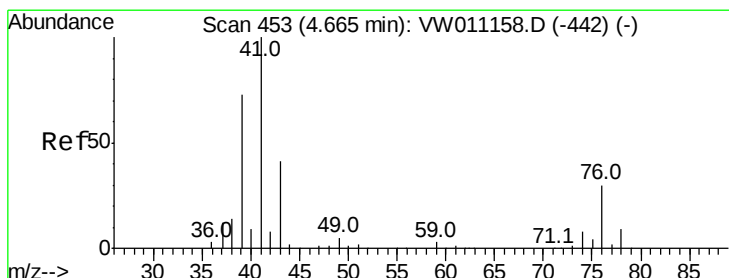
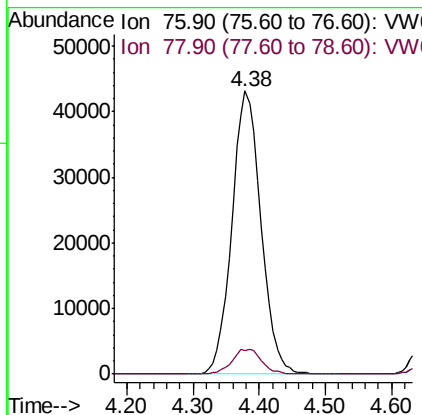
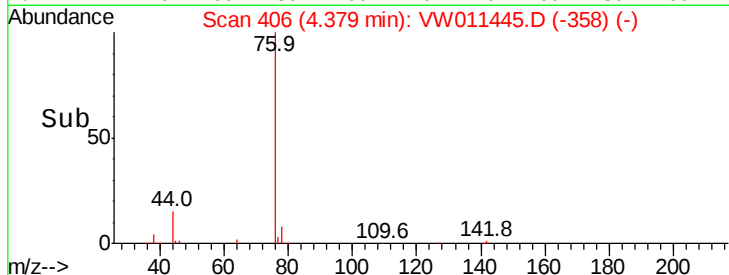
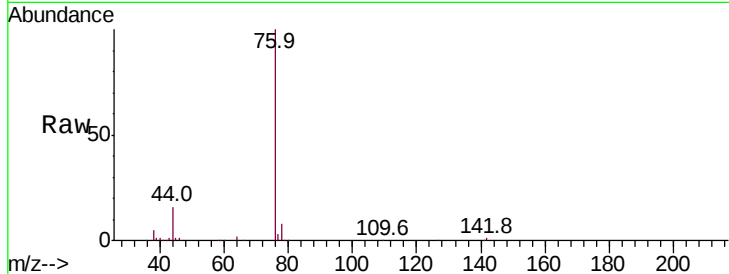
#17
Carbon Disulfide
Concen: 17.242 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7

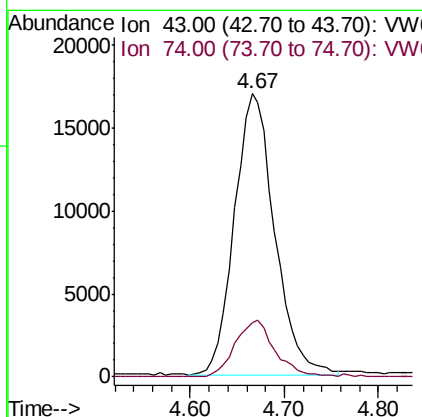
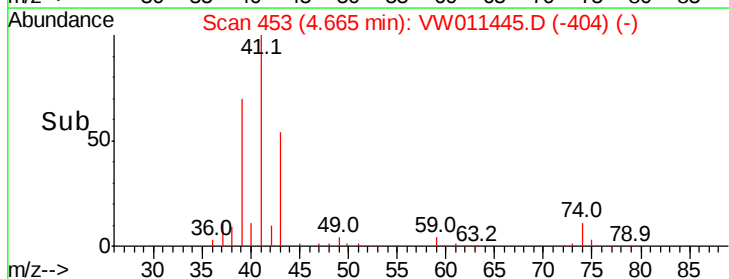
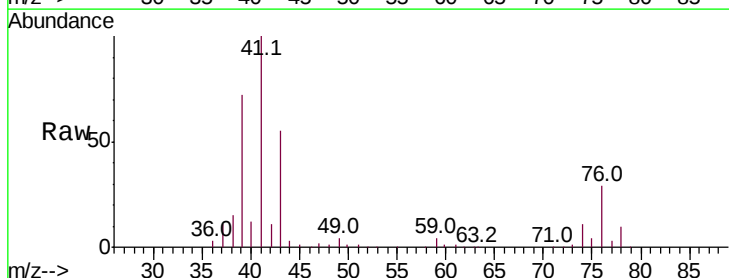
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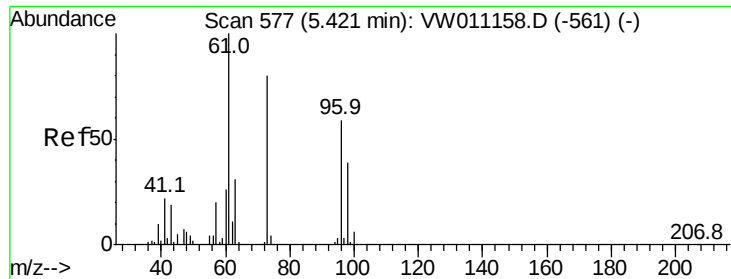
MMDadoda
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#18
Methyl Acetate
Concen: 25.283 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	15.7	23.5





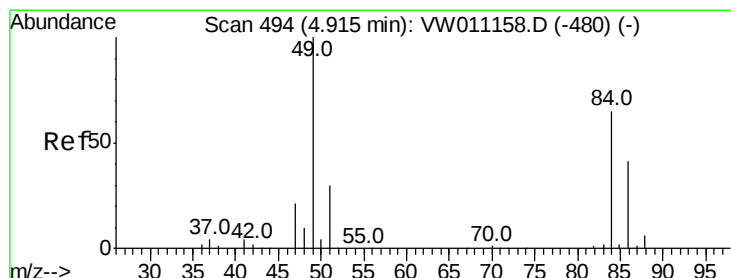
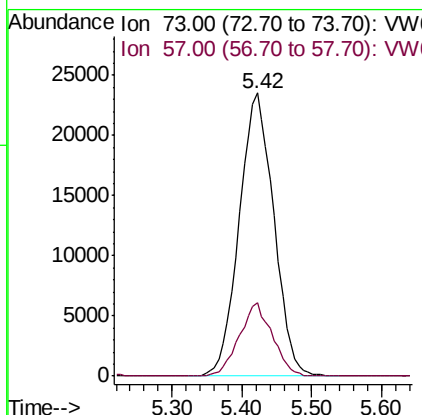
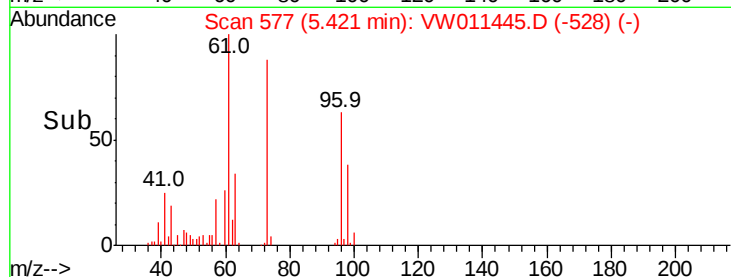
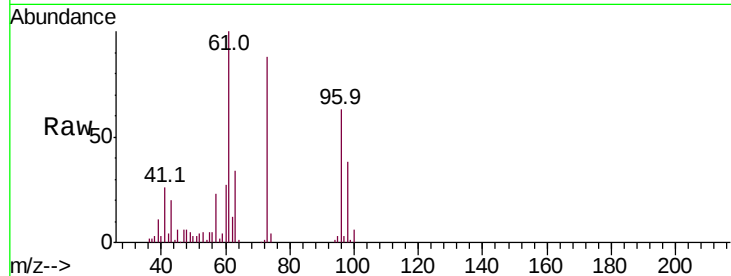
#19
Methyl tert-butyl Ether
Concen: 21.188 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBSD01

Tot Ion: 73 Resp: 80759
Ion Ratio Lower Upper
73 100
57 25.9 19.7 29.5

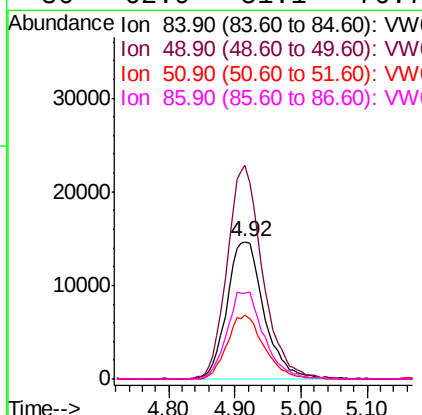
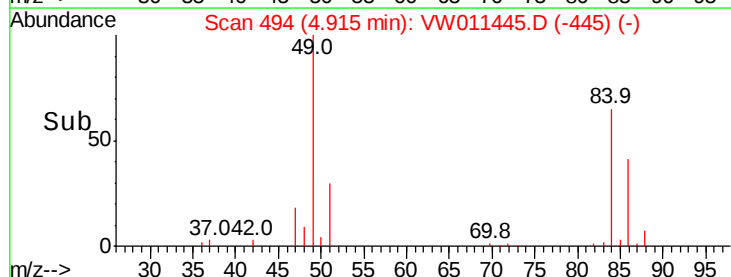
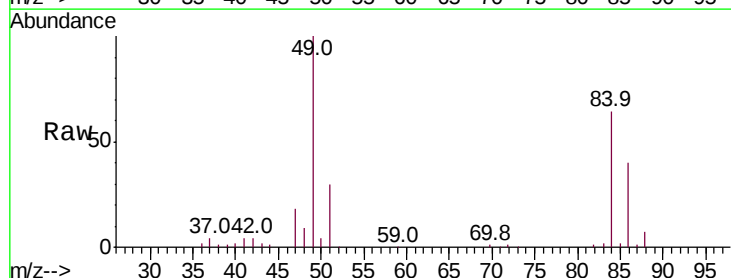
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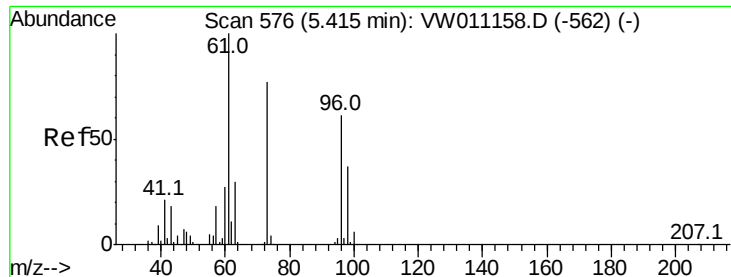
MMDadoda
7/25/2019 3:10:52 PM



#20
Methylene Chloride
Concen: 21.089 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion: 84 Resp: 56876
Ion Ratio Lower Upper
84 100
49 155.6 123.8 185.6
51 47.0 37.4 56.2
86 62.9 51.1 76.7





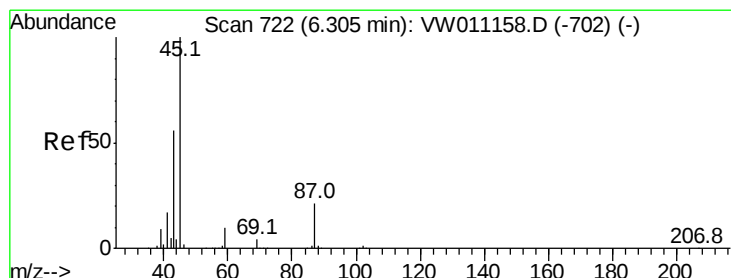
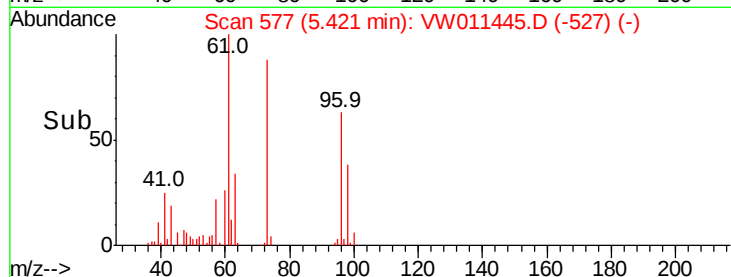
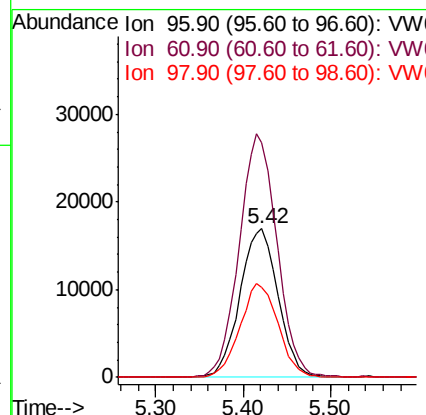
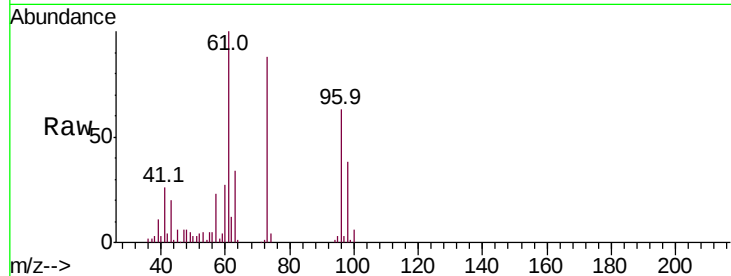
#21
trans-1,2-Dichloroethene
Concen: 19.673 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.0	132.2	198.2
98	60.6	49.4	74.0

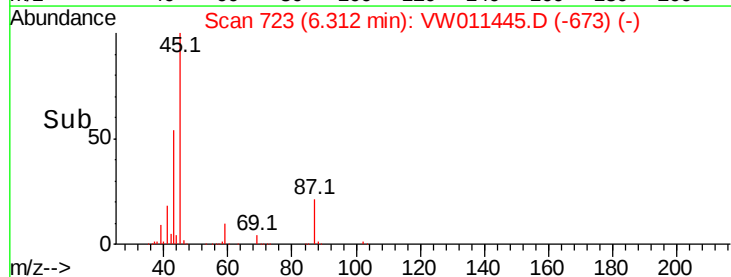
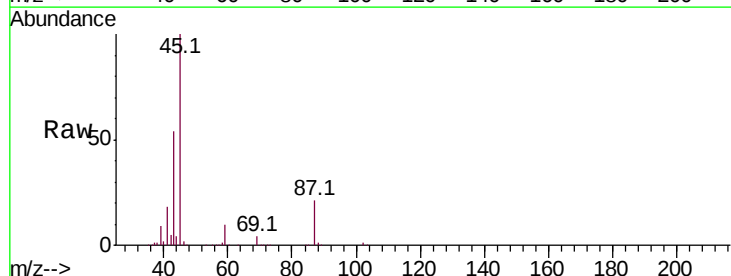
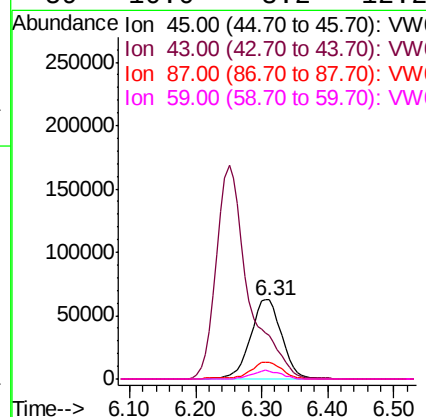
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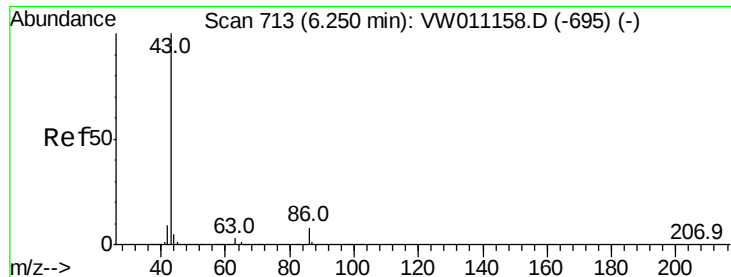
MMDadoda
7/25/2019 3:10:52 PM



#22
Diisopropyl ether
Concen: 20.872 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.9	44.6	66.8
87	21.3	17.3	25.9
59	10.0	8.2	12.2





#23

Vinyl Acetate

Concen: 92.932 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBSD01

Tot Ion: 43 Resp: 566629

Ion Ratio Lower Upper

43 100

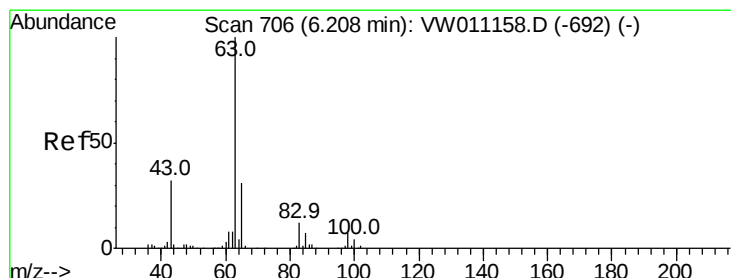
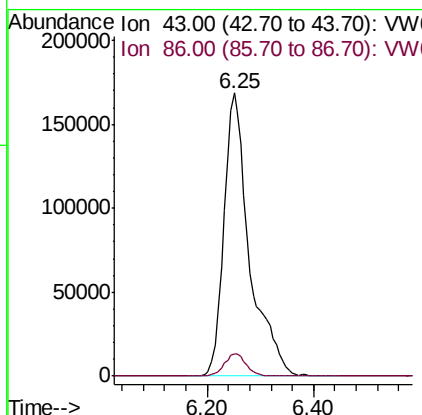
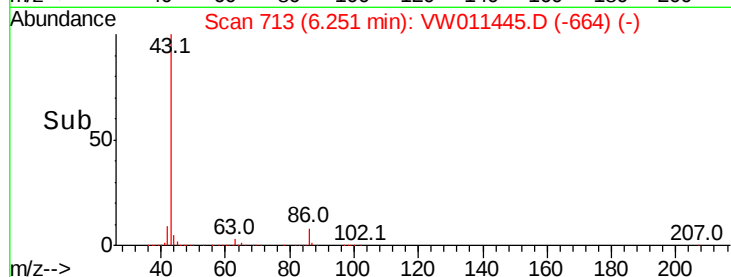
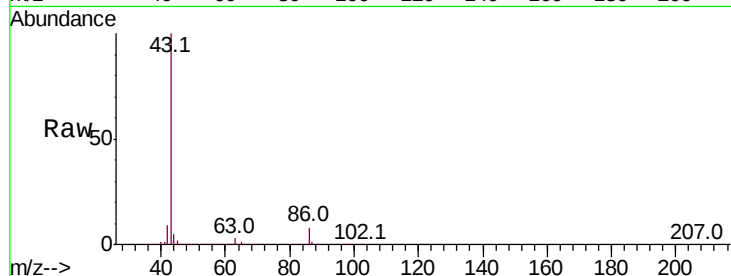
86 8.0 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.247 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

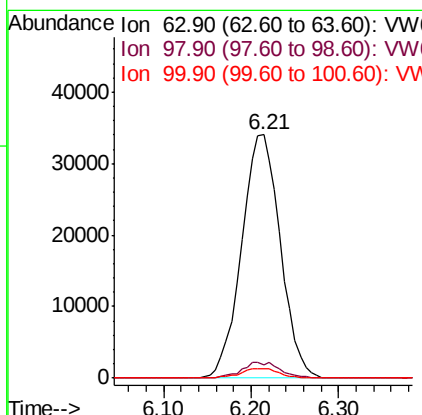
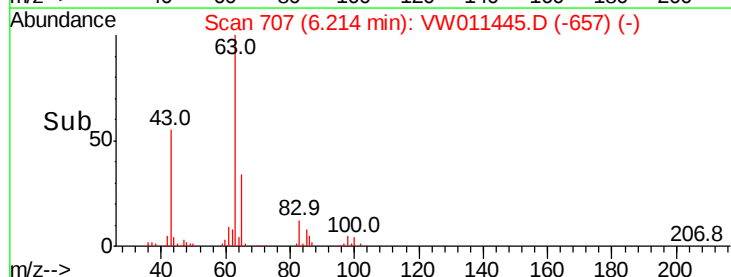
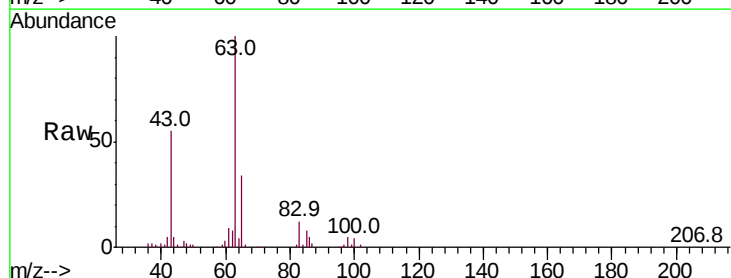
Tgt Ion: 63 Resp: 104750

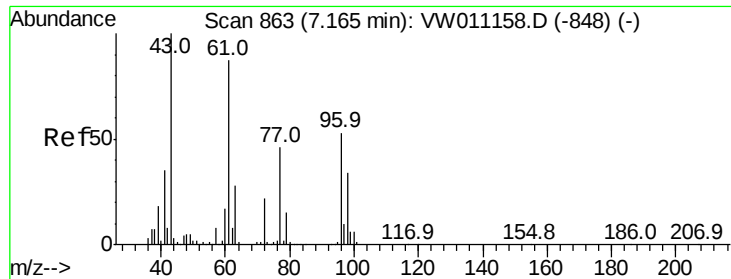
Ion Ratio Lower Upper

63 100

98 5.3 3.3 9.9

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 96.364 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBSD01

Tot Ion: 43 Resp: 103413

Ion Ratio Lower Upper

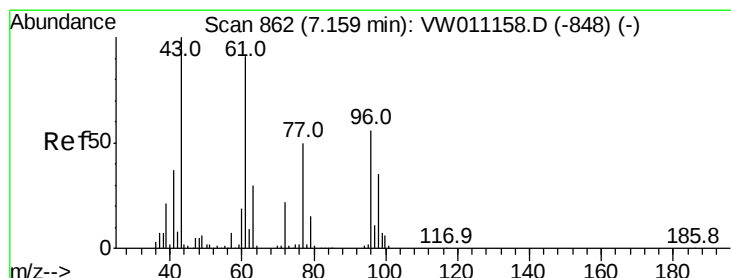
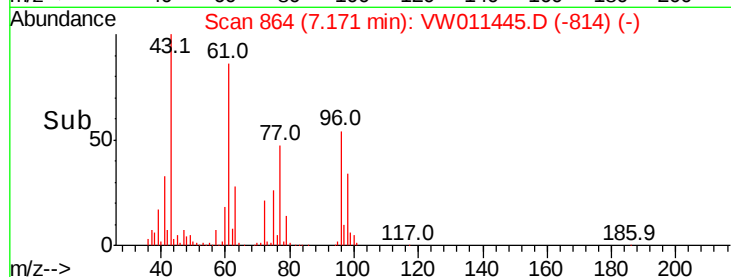
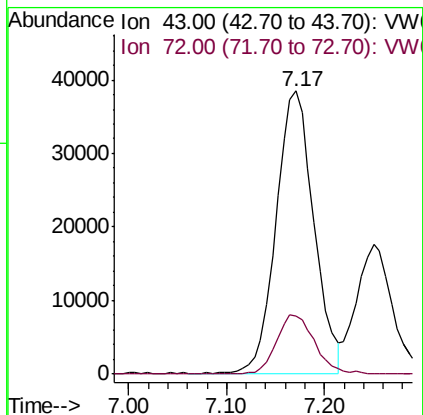
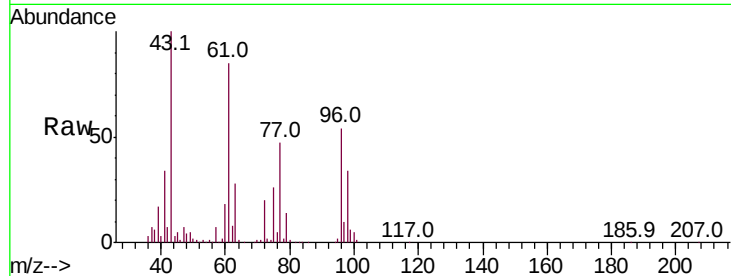
43 100

72 20.5 17.6 26.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 21.902 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011445.D

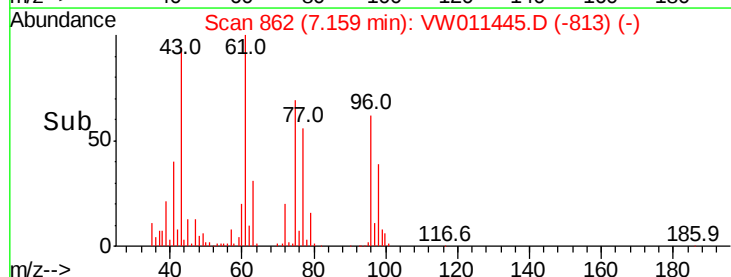
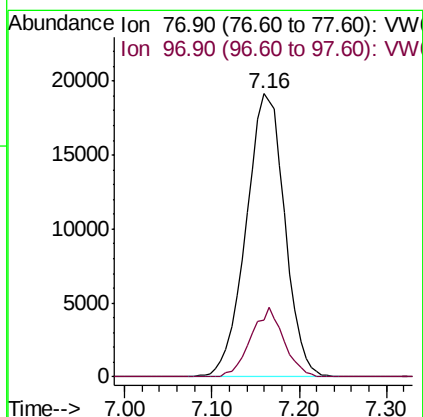
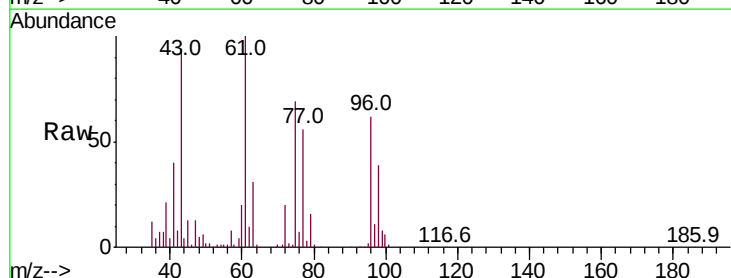
Acq: 23 Jul 2019 21:48

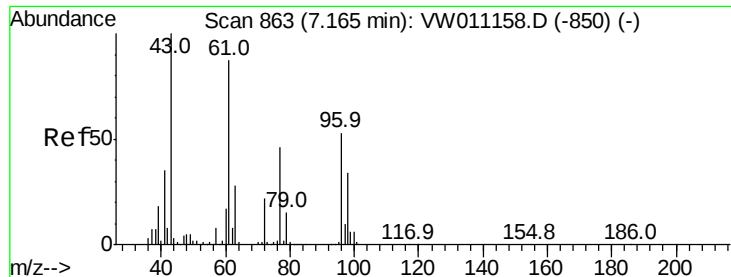
Tgt Ion: 77 Resp: 58901

Ion Ratio Lower Upper

77 100

97 20.8 11.2 33.5





#27

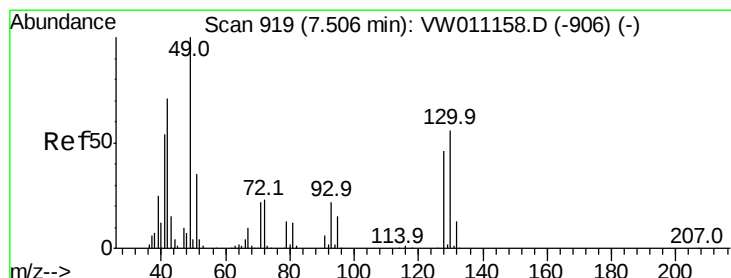
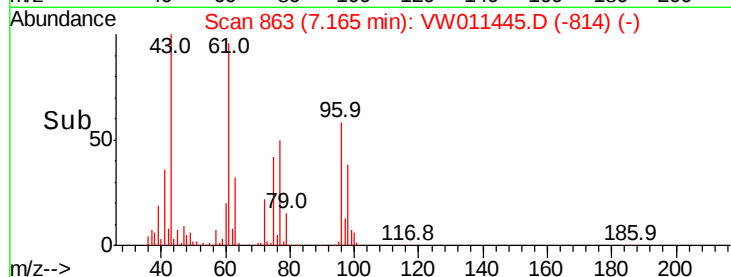
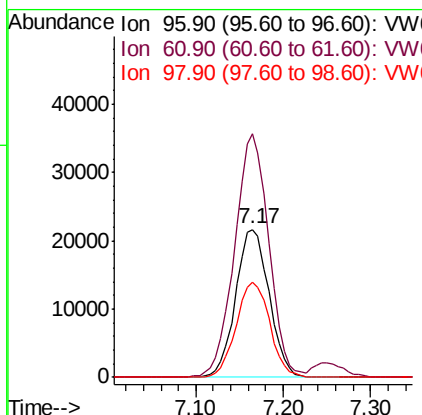
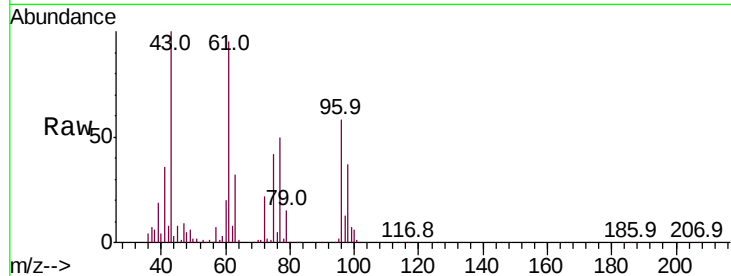
cis-1,2-Dichloroethene
Concen: 20.538 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.8	0.0	325.6
98	64.5	0.0	128.2

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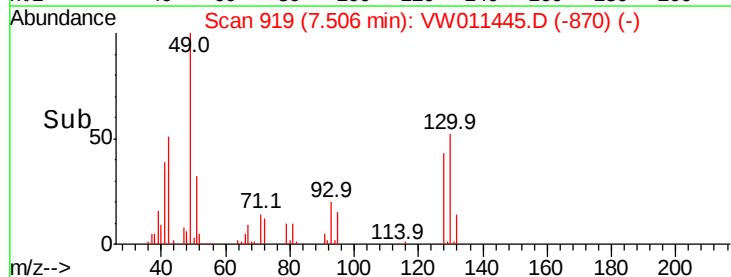
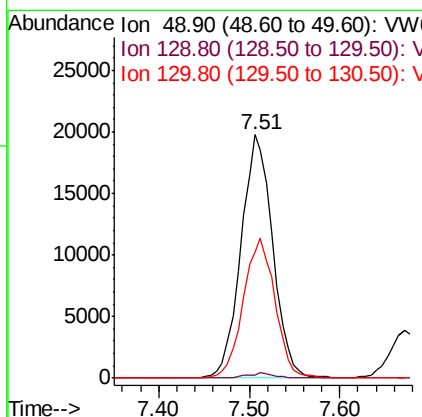
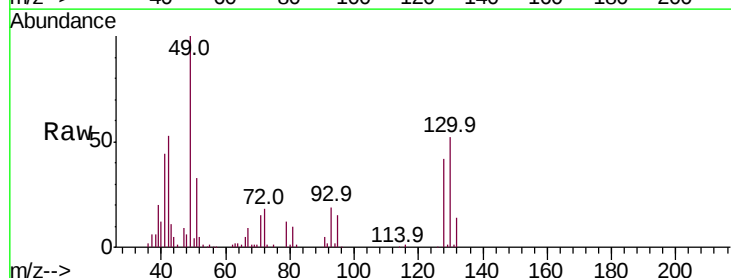
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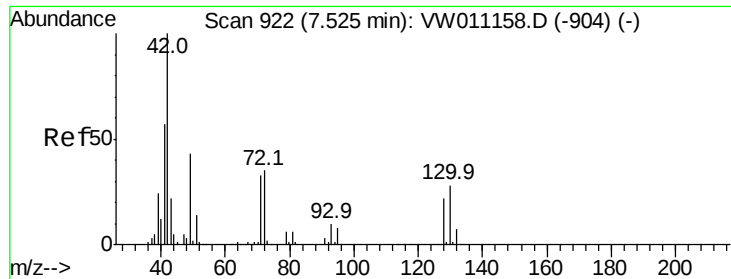


#28

Bromochloromethane
Concen: 20.379 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	1.4#
130	57.2	45.8	68.8





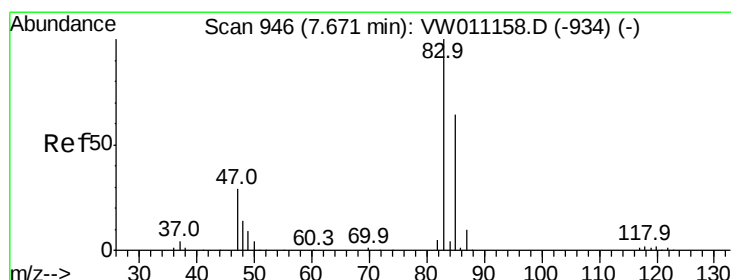
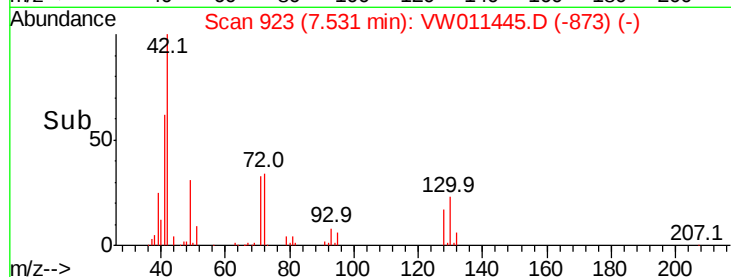
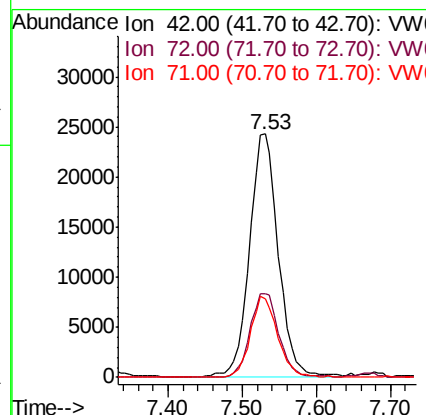
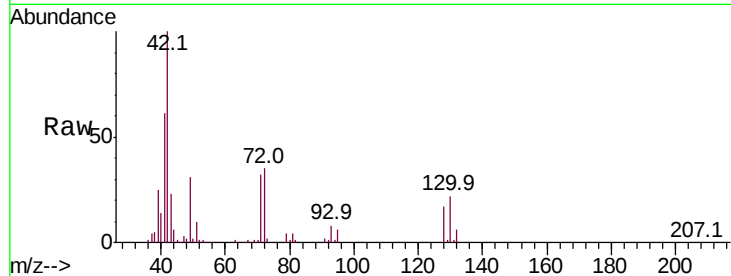
#29
Tetrahydrofuran
Concen: 92.999 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.5	27.4	41.2
71	31.7	25.9	38.9

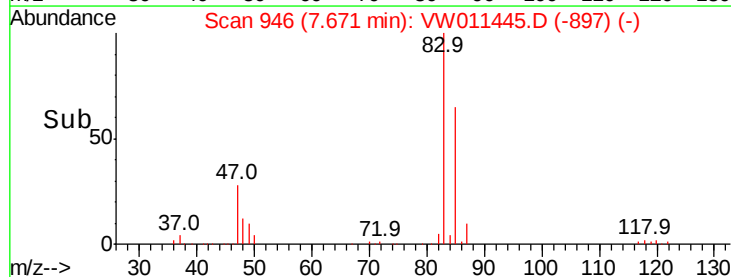
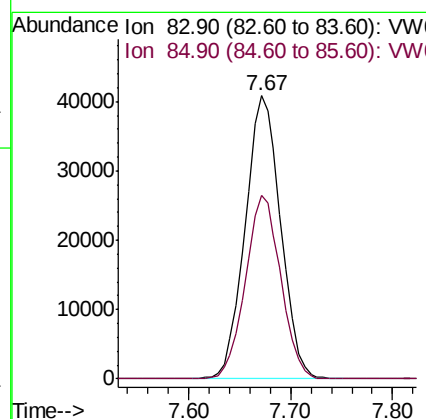
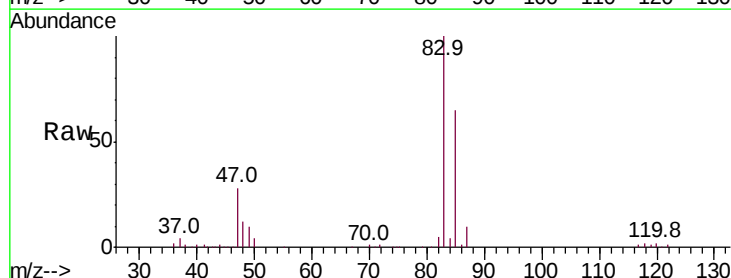
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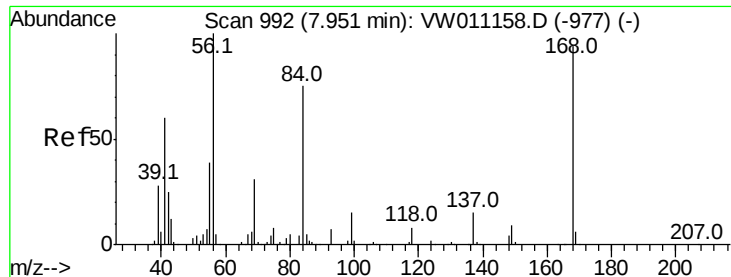
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#30
Chloroform
Concen: 20.590 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.2





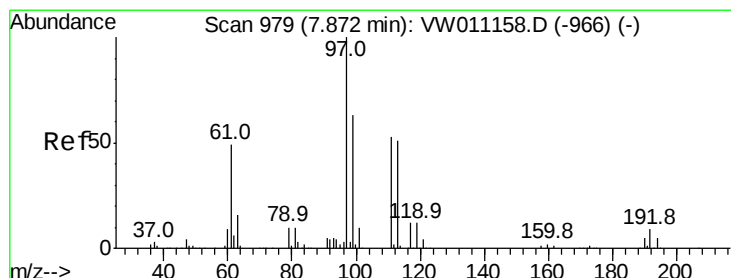
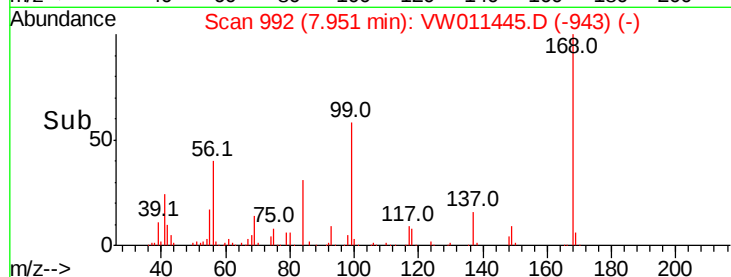
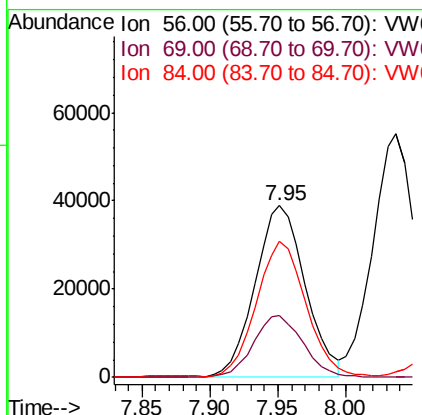
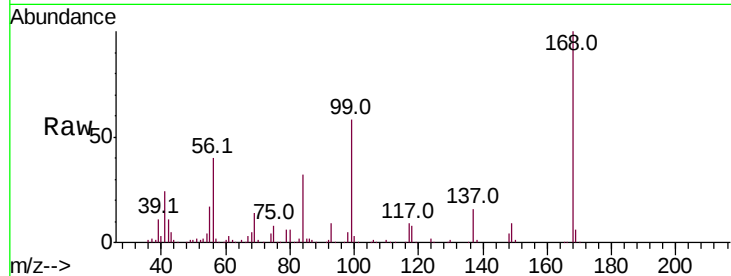
#31
Cyclohexane
Concen: 18.237 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	24.6	36.8
84	78.4	60.1	90.1

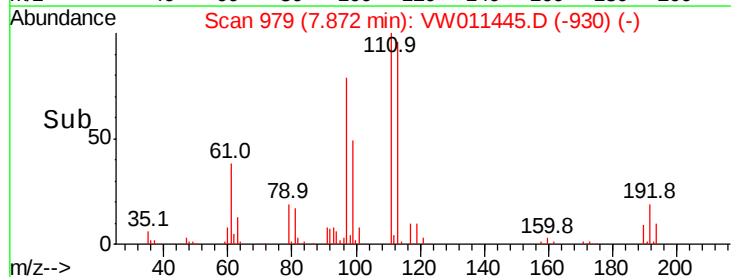
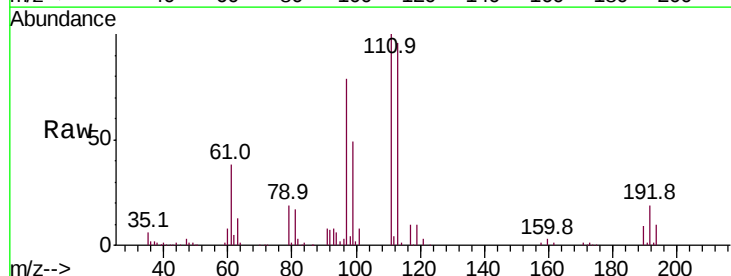
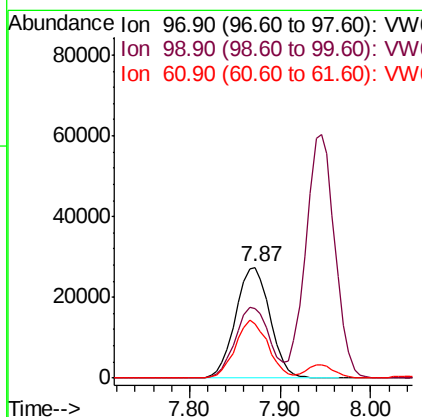
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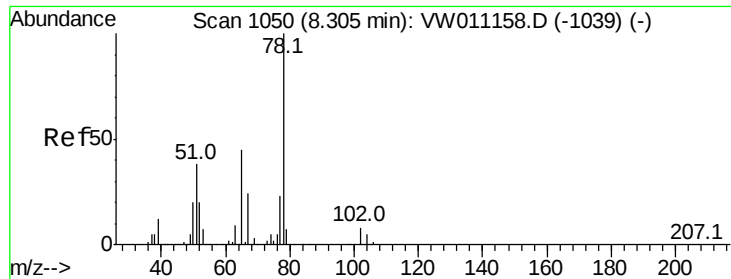
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#32
1,1,1-Trichloroethane
Concen: 19.838 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.4
61	49.7	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 41.076 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBS01

Tot Ion: 65 Resp: 116710

Ion Ratio Lower Upper

65 100

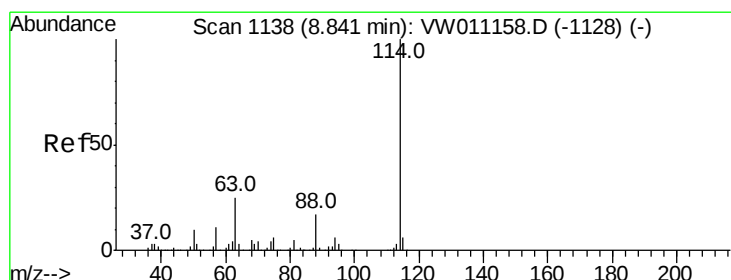
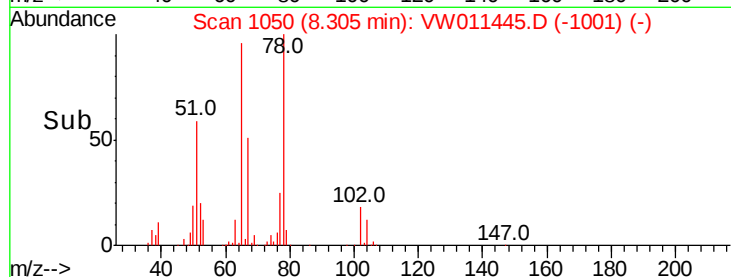
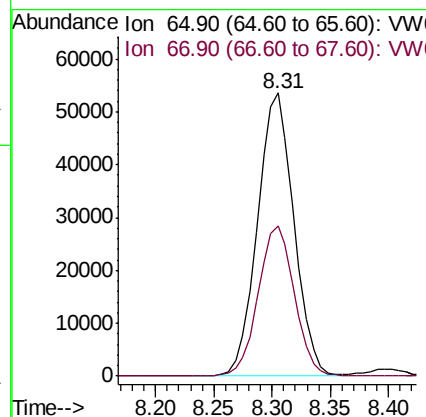
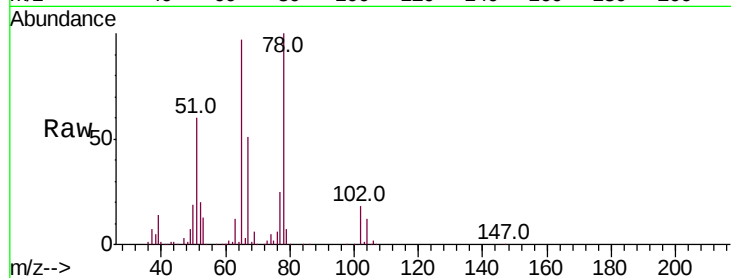
67 52.9 0.0 104.4

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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: VW011445.D

Acq: 23 Jul 2019 21:48

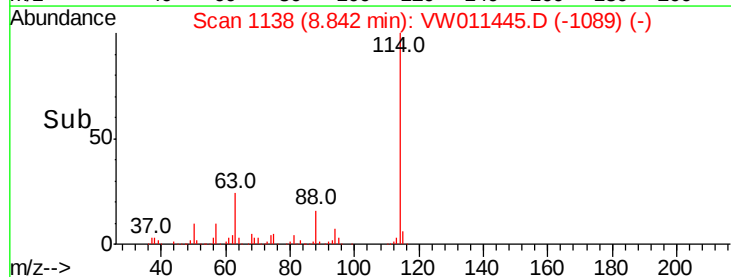
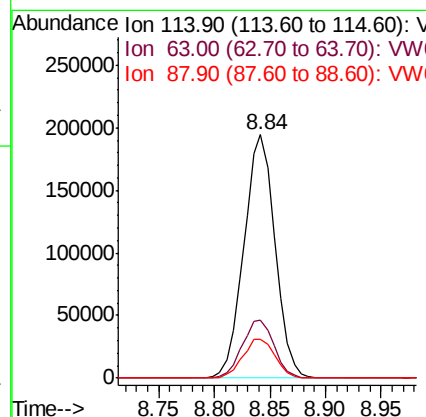
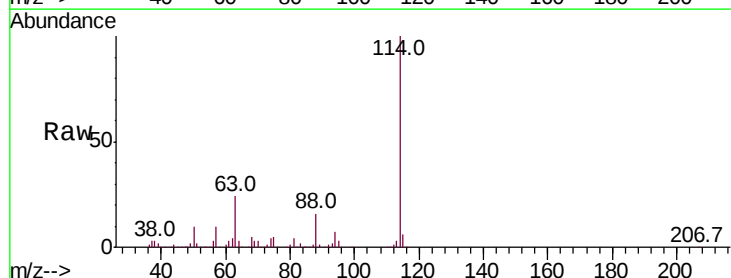
Tgt Ion: 114 Resp: 377347

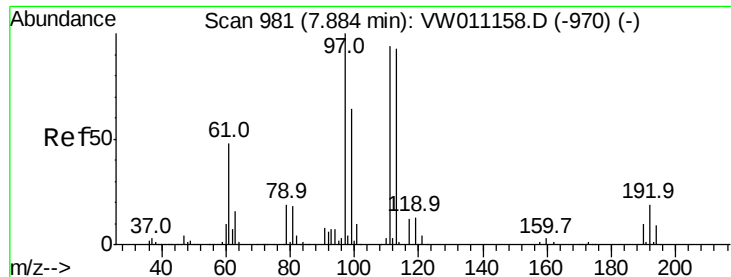
Ion Ratio Lower Upper

114 100

63 23.9 0.0 50.8

88 16.1 0.0 34.2





#35

Dibromofluoromethane

Concen: 41.905 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

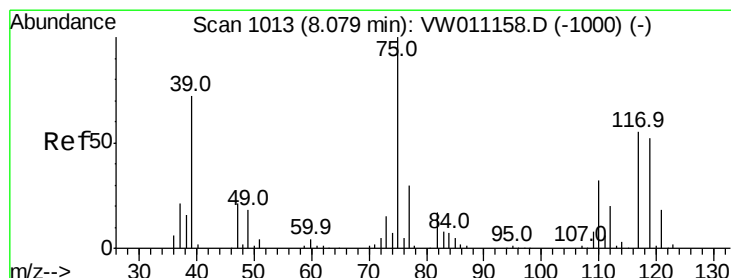
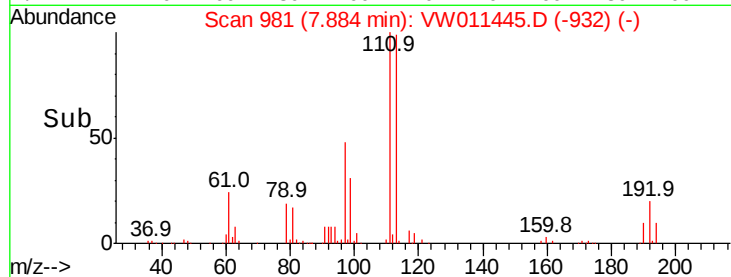
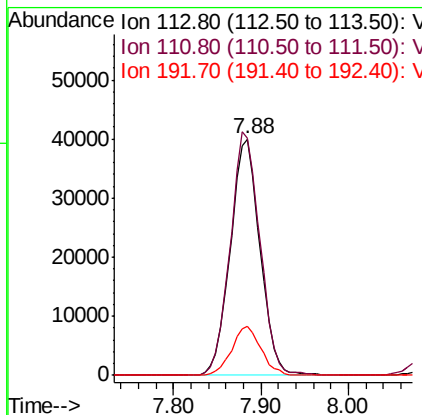
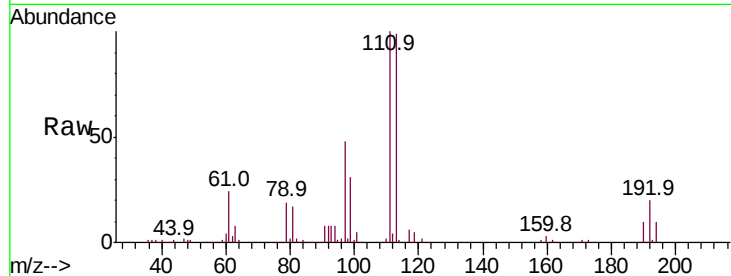
ClientSampleId :

VW0724SBSD01

Tot Ion:	113	Resp:	94252
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.4	123.6
192	20.3	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 19.161 ug/l

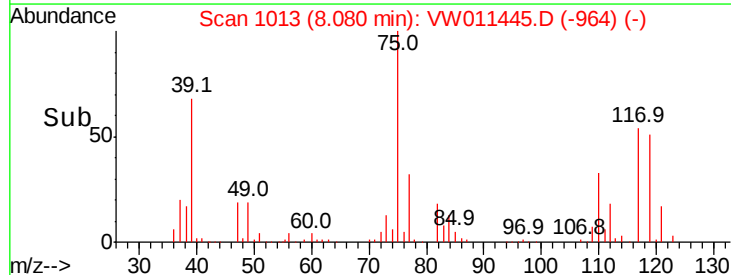
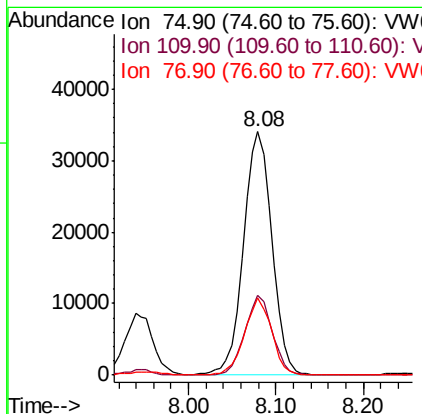
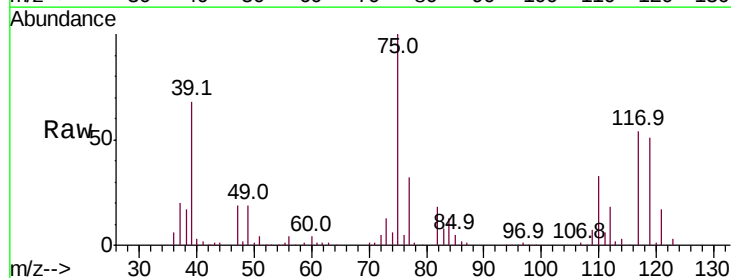
RT: 8.08 min Scan# 1013

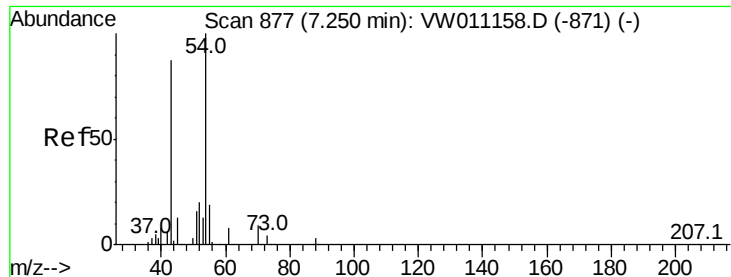
Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Tgt Ion:	75	Resp:	76995
Ion Ratio	Lower	Upper	
75	100		
110	31.5	15.9	47.6
77	30.3	24.6	36.8





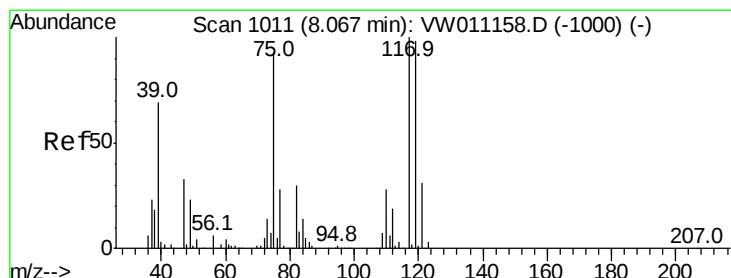
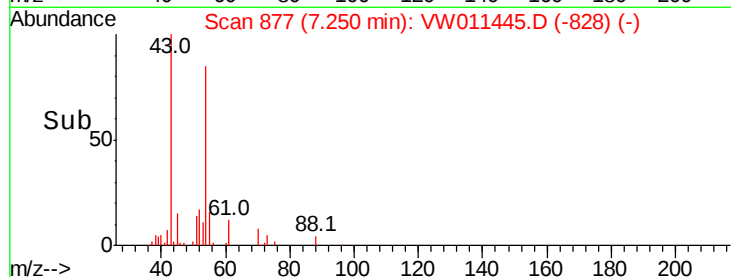
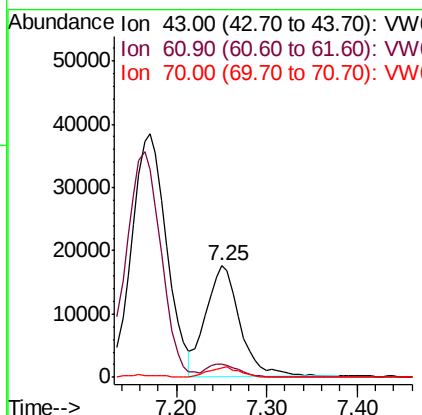
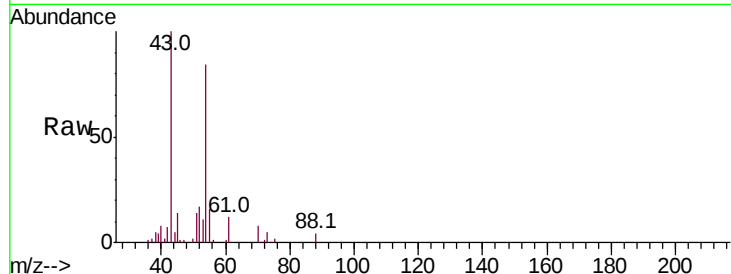
#37
Ethyl Acetate
Concen: 18.955 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	9.5	14.3
70	8.6	7.1	10.7

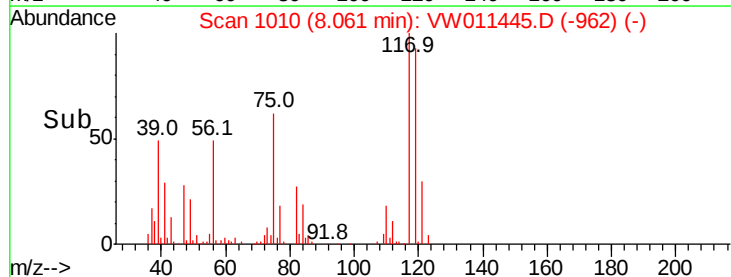
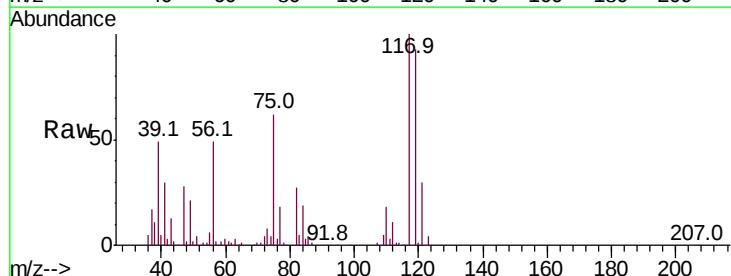
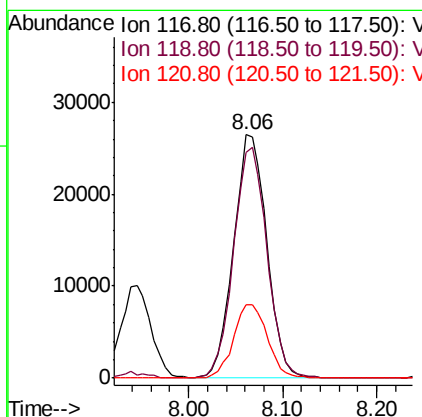
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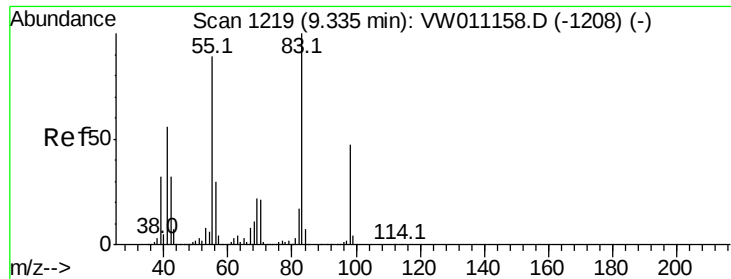
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#38
Carbon Tetrachloride
Concen: 19.109 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	78.1	117.1
121	30.0	25.1	37.7





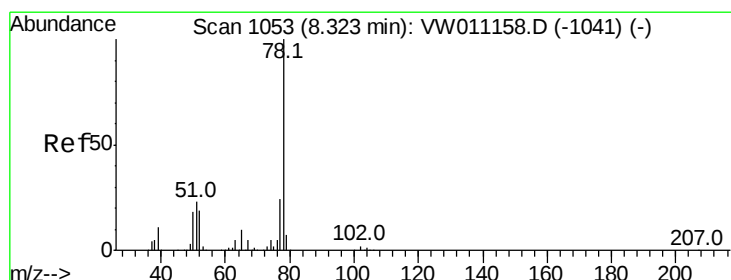
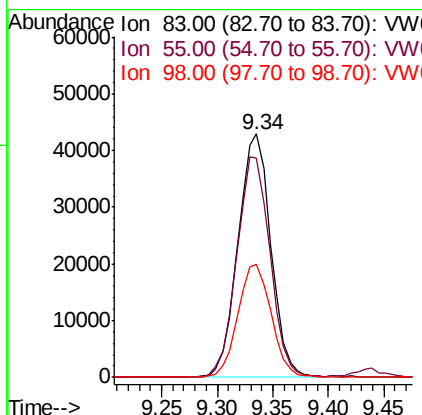
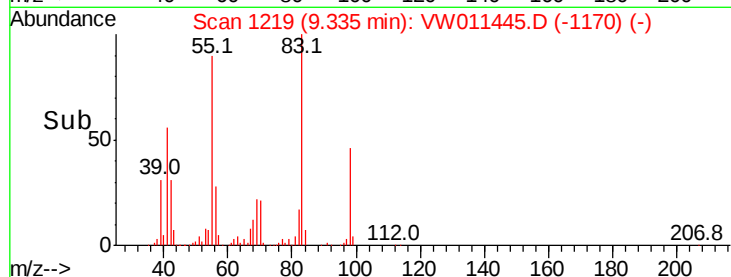
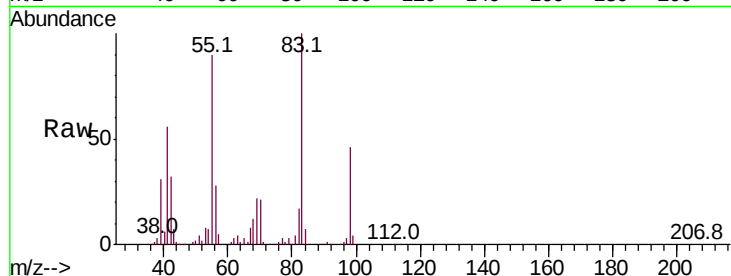
#39
Methvlcvclohexane
Concen: 18.055 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.9	71.2	106.8
98	46.4	37.5	56.3

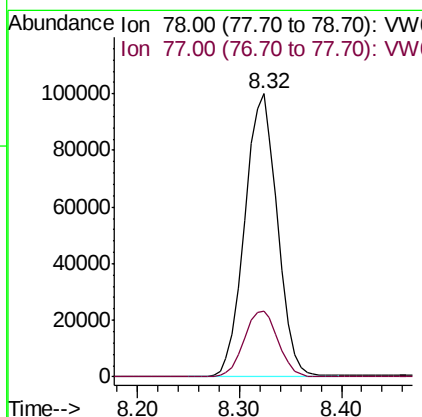
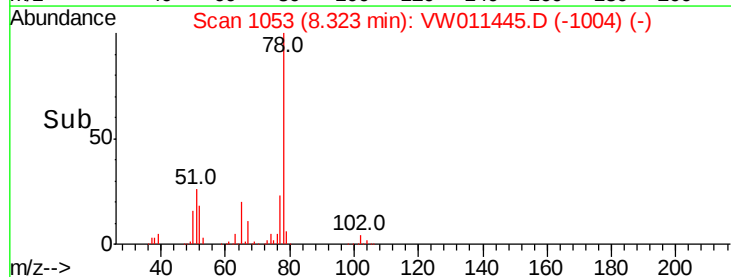
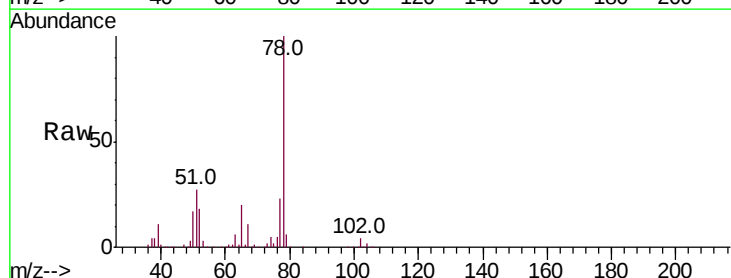
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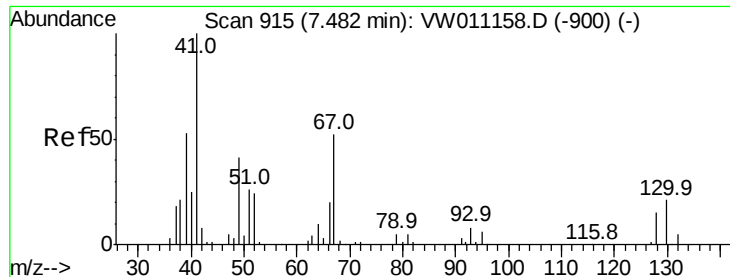
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#40
Benzene
Concen: 20.084 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





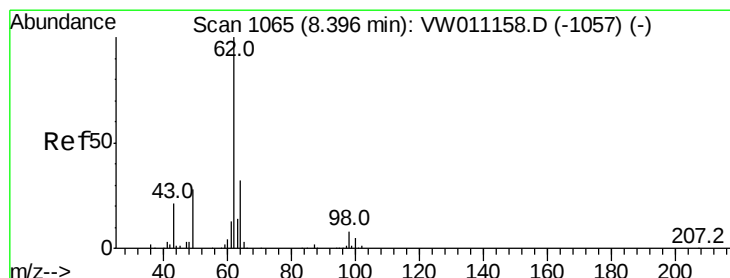
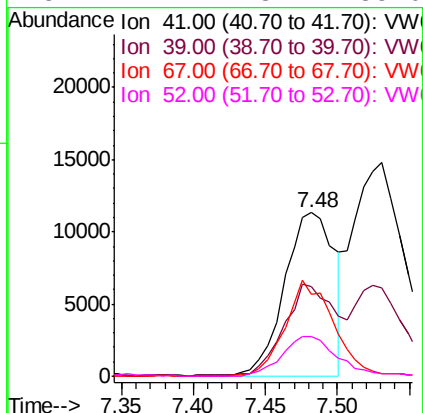
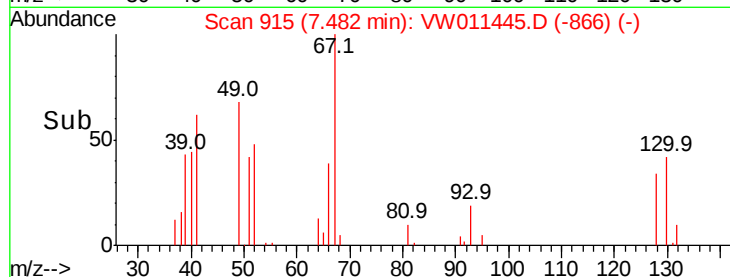
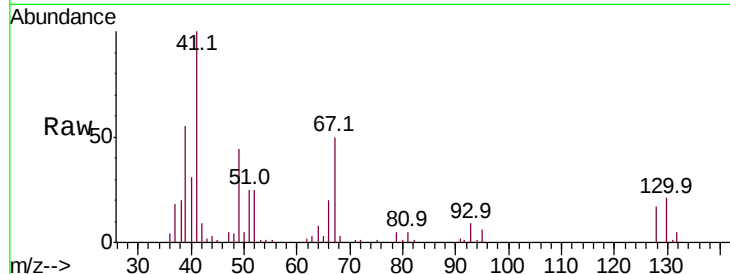
#41
Methacrylonitrile
Concen: 19.928 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBS01

Tot Ion	41	Resp	27518
Ion Ratio	100	Lower	Upper
41	100		
39	57.5	48.0	72.0
67	57.6	49.7	74.5
52	27.1	23.4	35.0

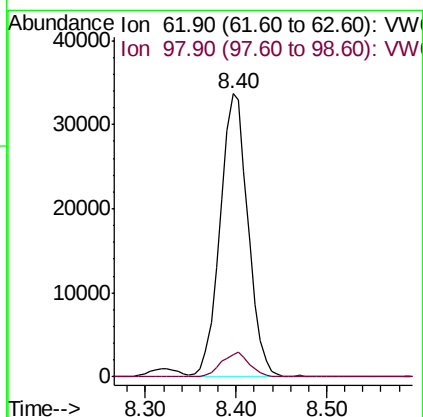
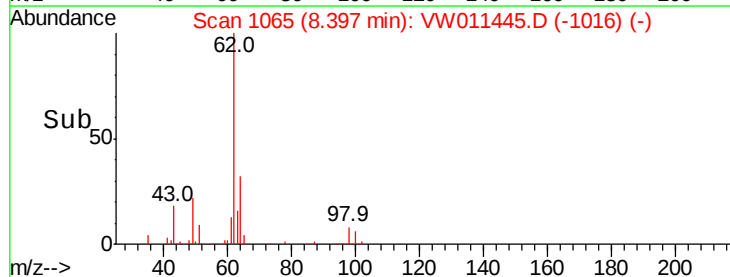
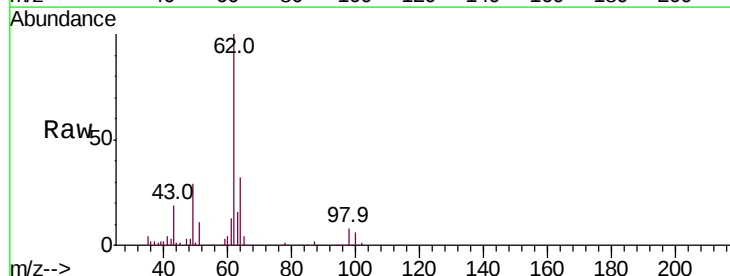
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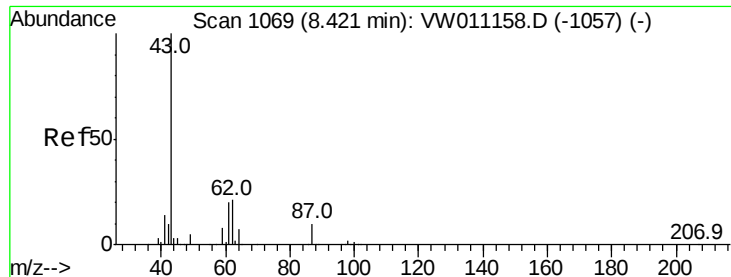
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.081 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	62	Resp	72340
Ion Ratio	100	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 18.628 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

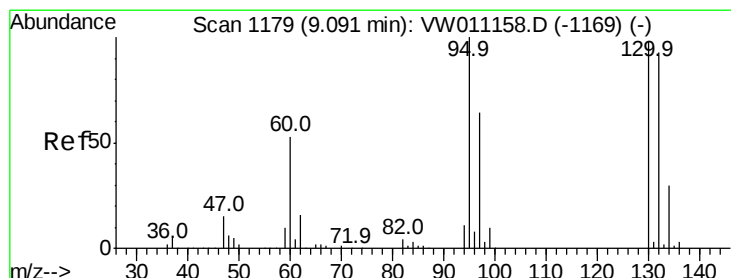
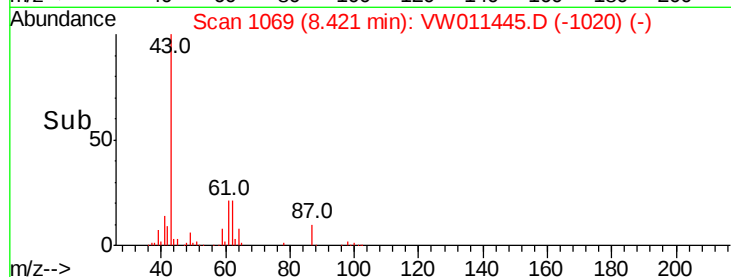
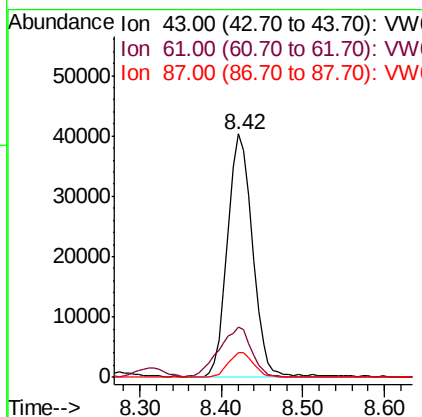
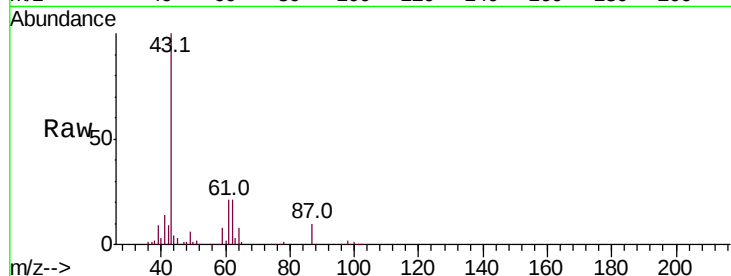
ClientSampleId :

VW0724SBS01

Tot Ion:	43	Resp:	84913
Ion	Ratio	Lower	Upper
43	100		
61	27.5	20.7	31.1
87	10.4	8.1	12.1

Manual Integrations
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#44

Trichloroethene

Concen: 19.724 ug/l

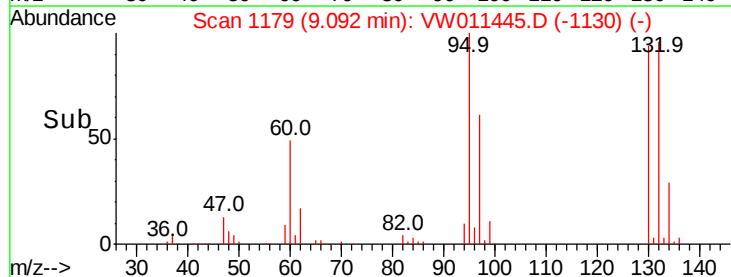
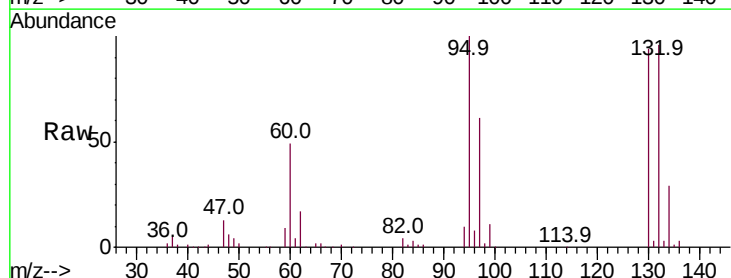
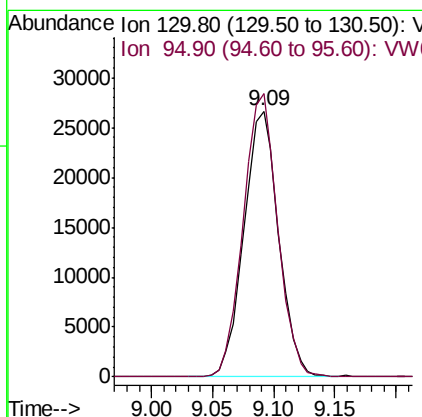
RT: 9.09 min Scan# 1179

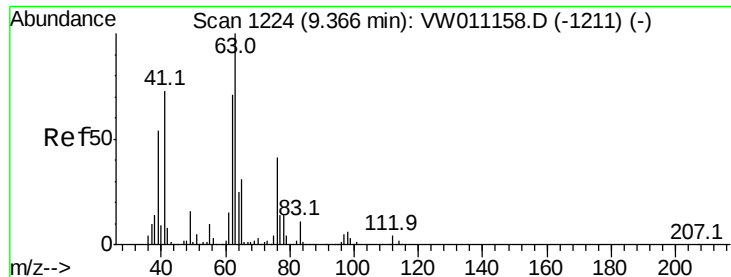
Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Tgt Ion:	130	Resp:	52709
Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	203.6





#45

1,2-Dichloropropane

Concen: 20.250 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBS01

Tot Ion: 63 Resp: 60898

Ion Ratio Lower Upper

63 100

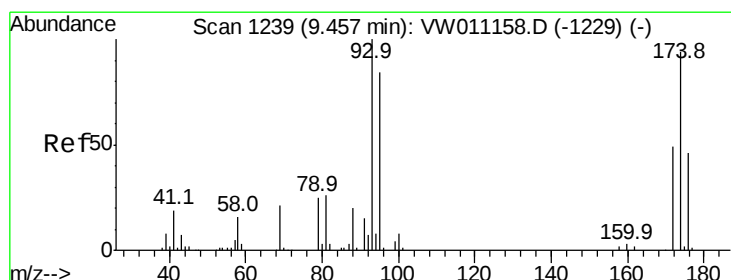
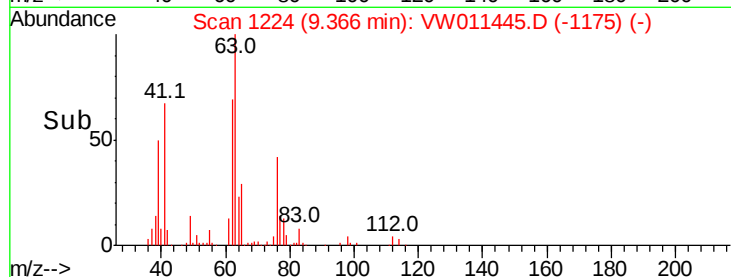
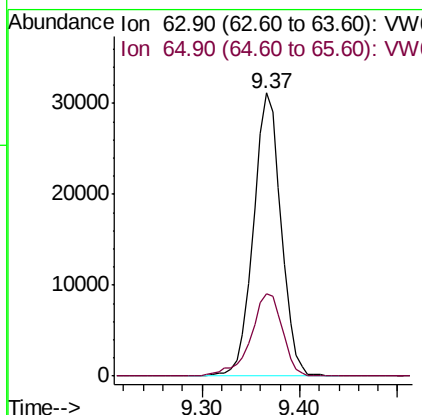
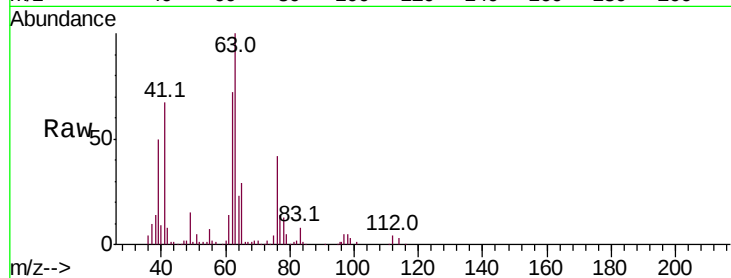
65 29.1 24.4 36.6

Manual Integrations

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MMDadoda

7/25/2019 3:10:52 PM



#46

Dibromomethane

Concen: 19.877 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

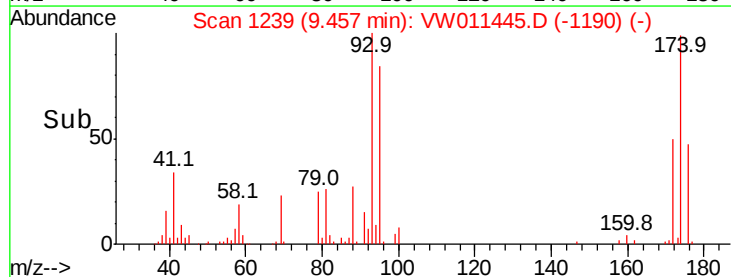
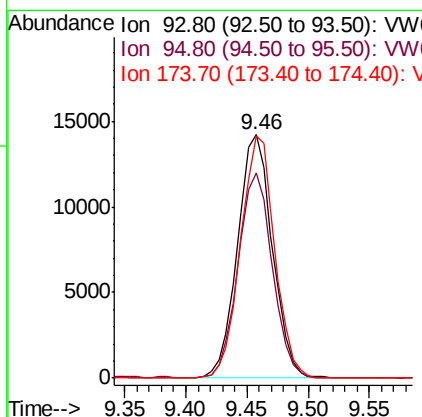
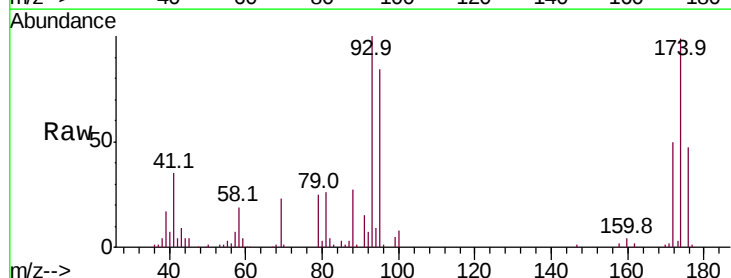
Tgt Ion: 93 Resp: 28080

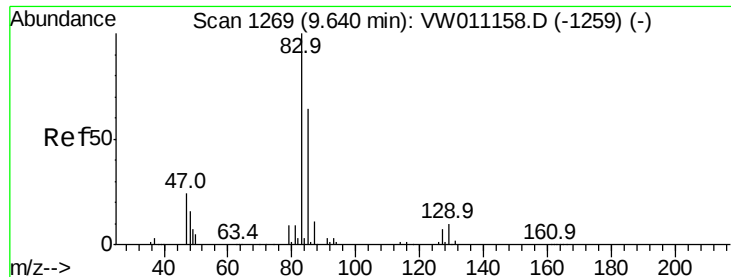
Ion Ratio Lower Upper

93 100

95 82.8 67.2 100.8

174 97.6 76.3 114.5





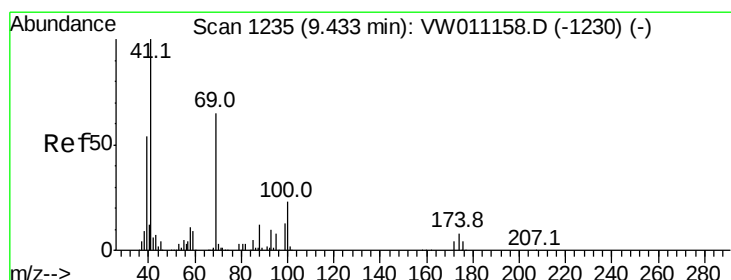
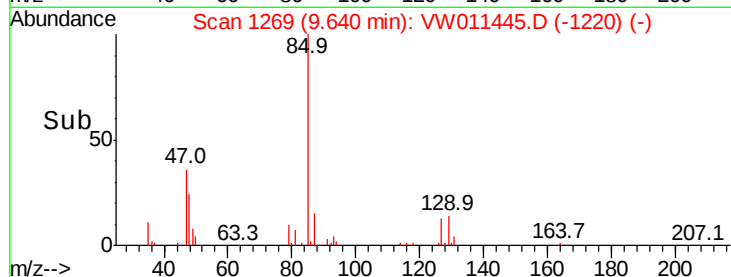
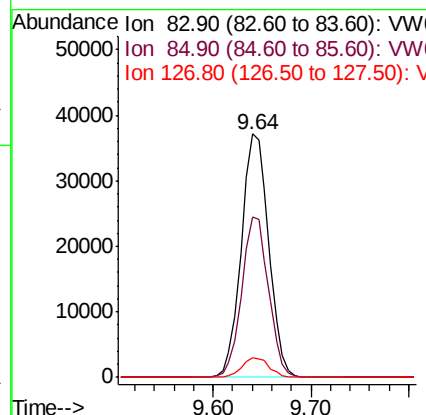
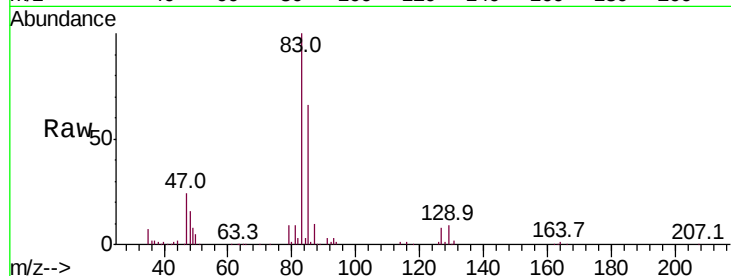
#47
Bromodichloromethane
Concen: 19.936 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.6	51.0	76.4	
127	8.3	6.0	9.0	

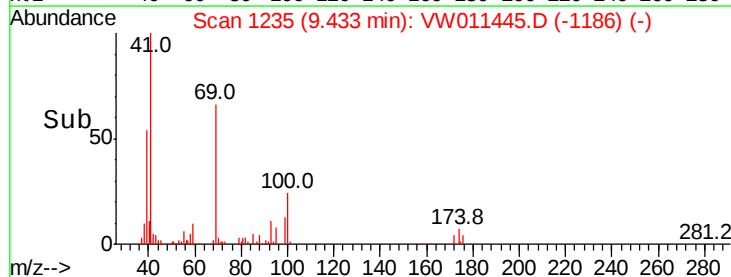
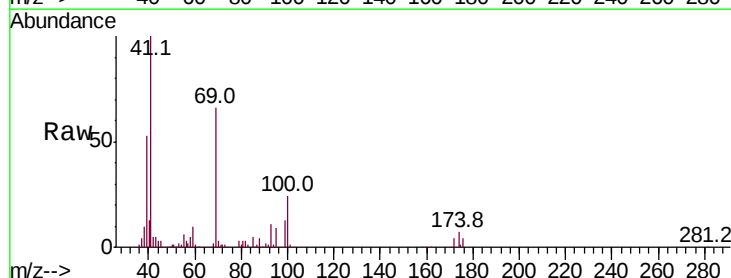
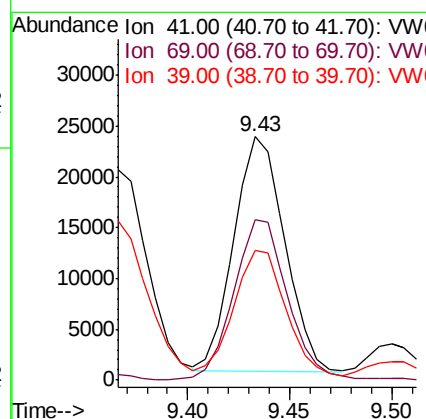
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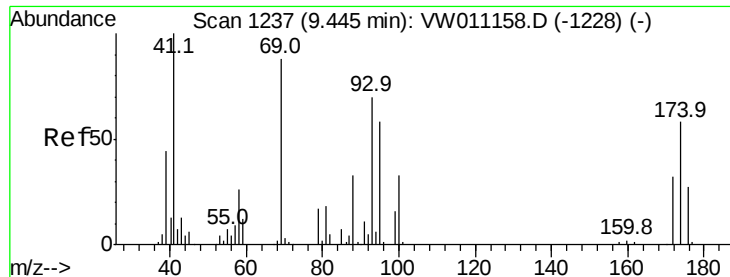
MMDadoda
7/25/2019 3:10:52 PM



#48
Methyl methacrylate
Concen: 18.246 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	73.1	56.0	84.0	
39	58.9	43.5	65.3	





#49

1,4-Dioxane

Concen: 347.754 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBSD01

Tot Ion: 88 Resp: 8200

Ion Ratio Lower Upper

88 100

43 38.0 33.4 50.0

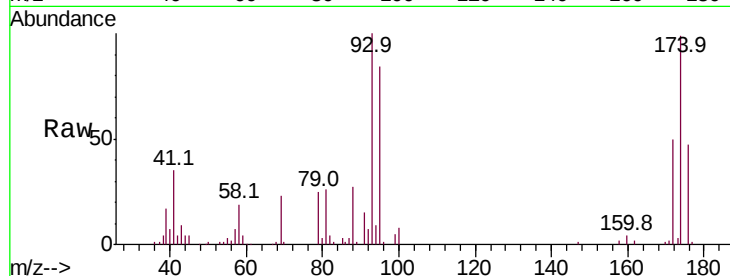
58 90.5 64.5 96.7

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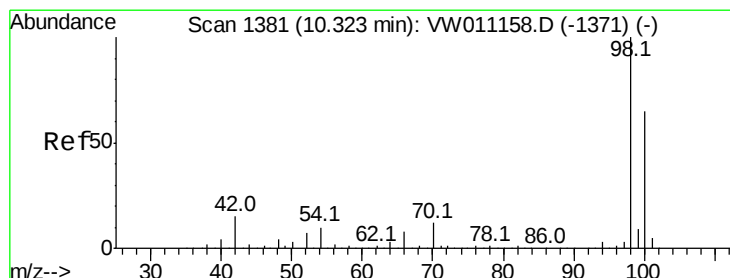
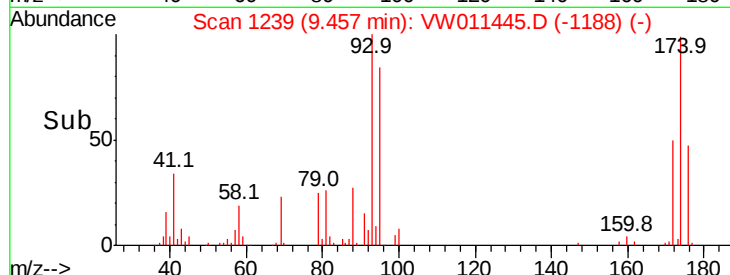
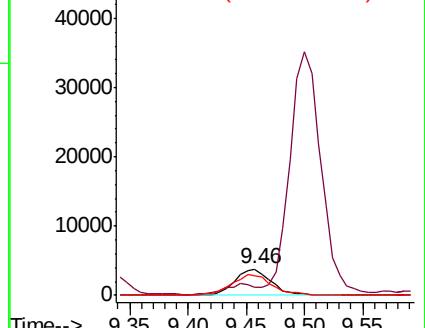
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Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 40.824 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011445.D

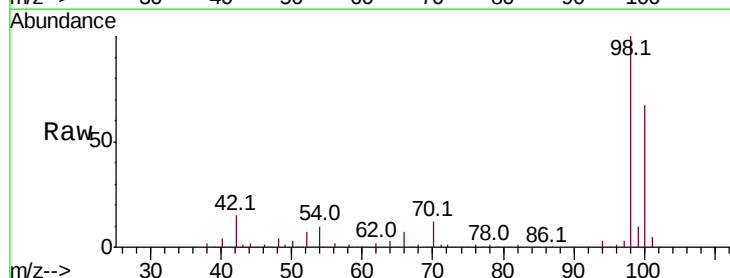
Acq: 23 Jul 2019 21:48

Tgt Ion: 98 Resp: 371145

Ion Ratio Lower Upper

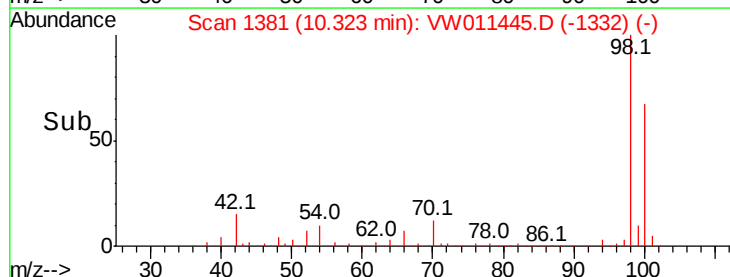
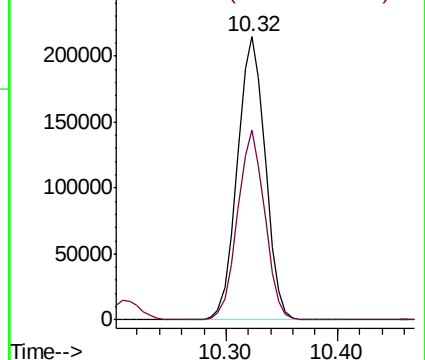
98 100

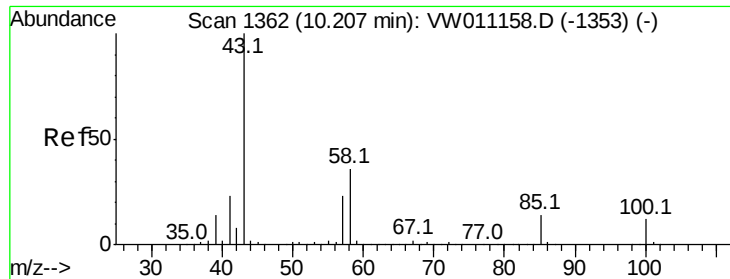
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





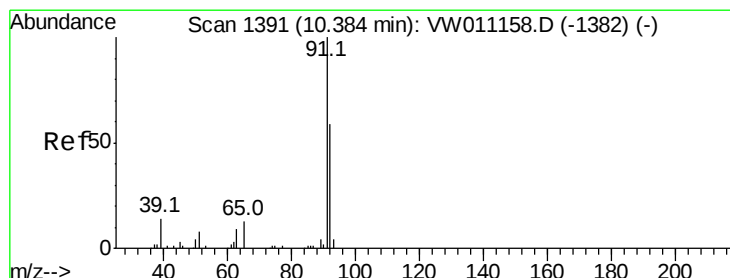
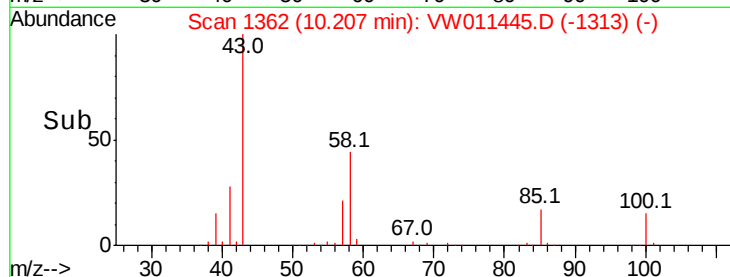
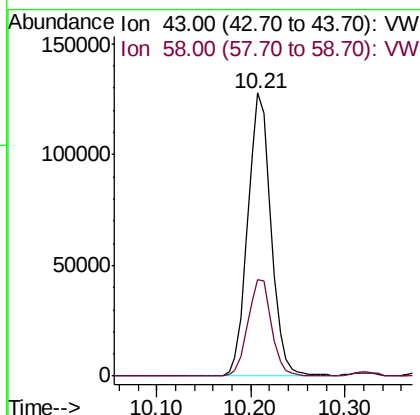
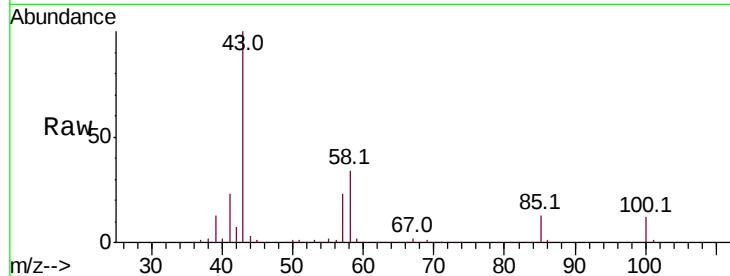
#51
4-Methyl-2-Pentanone
Concen: 93.280 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.2	42.2

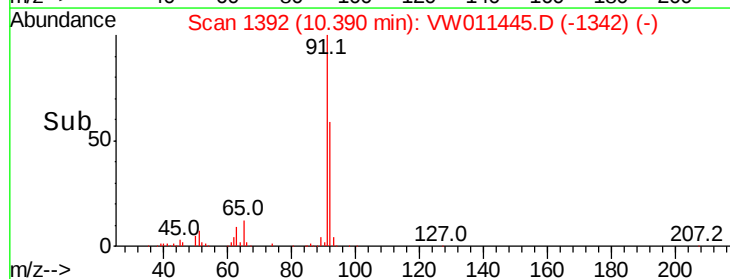
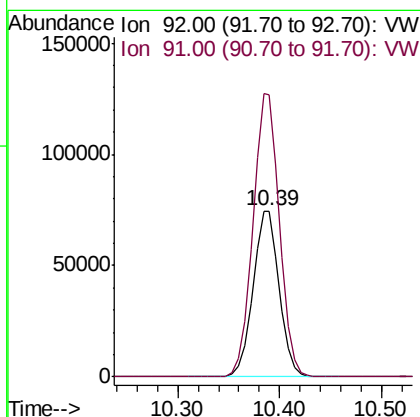
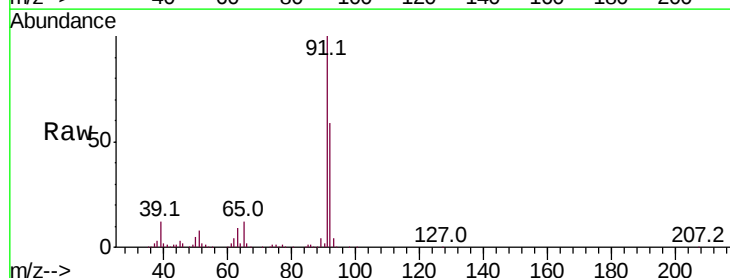
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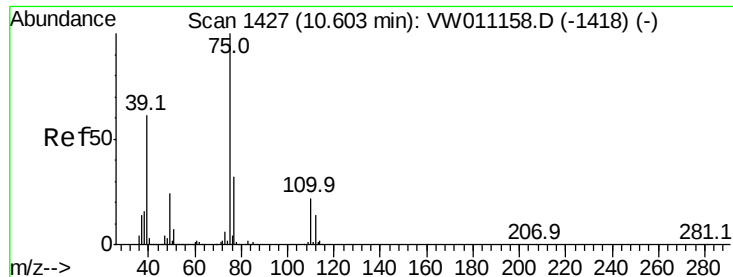
MMDadoda
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#52
Toluene
Concen: 19.737 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.2	136.6	205.0





#53

t-1,3-Dichloropropene

Concen: 18.747 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W

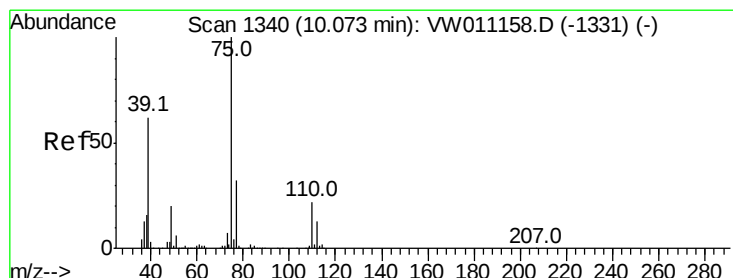
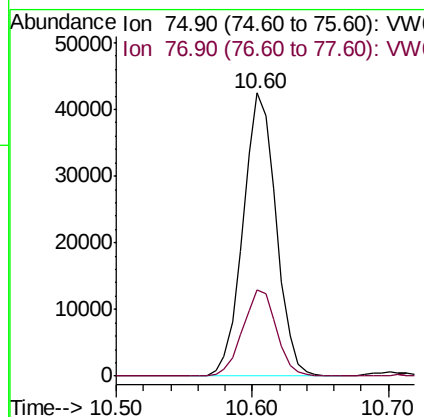
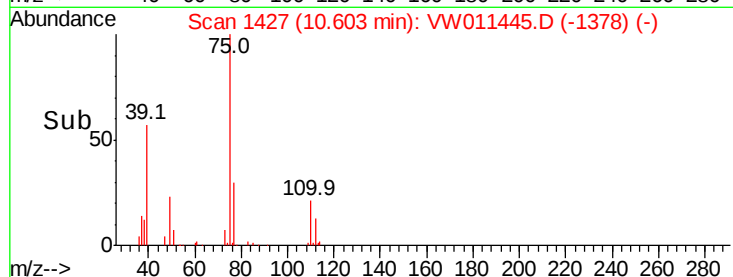
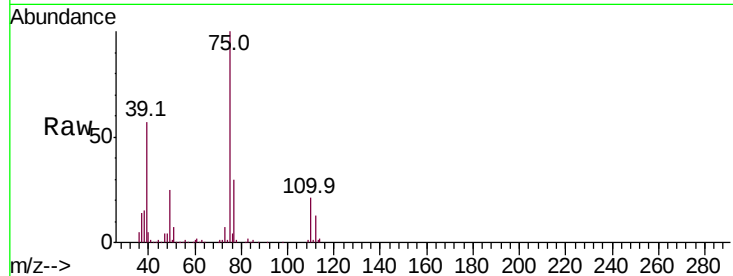
ClientSampleId :
VW0724SBSD01

Tot Ion: 75 Resp: 72130

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.012 ug/l

RT: 10.07 min Scan# 1340

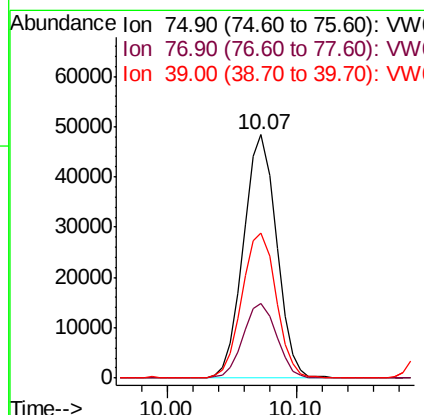
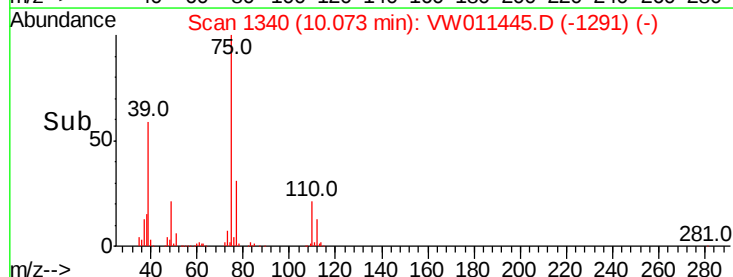
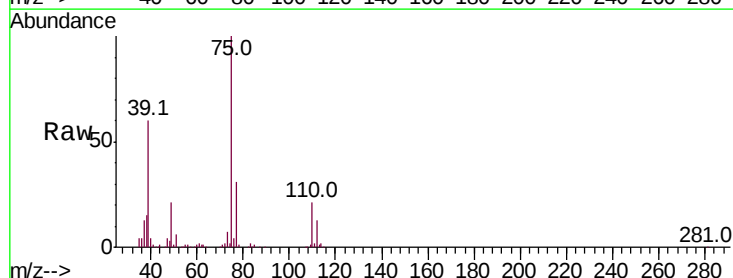
Delta R.T. 0.00 min

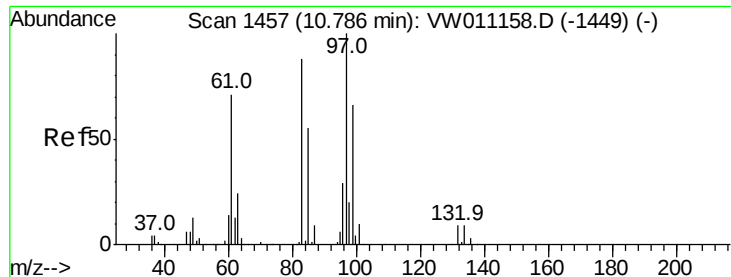
Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Tgt Ion: 75 Resp: 86097

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.7	38.5
39	59.5	49.8	74.8





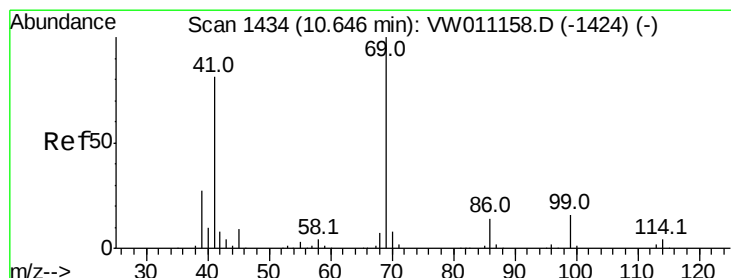
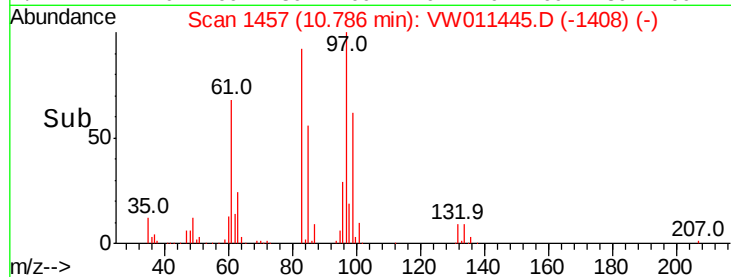
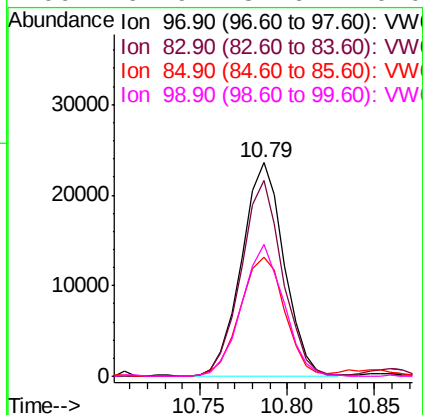
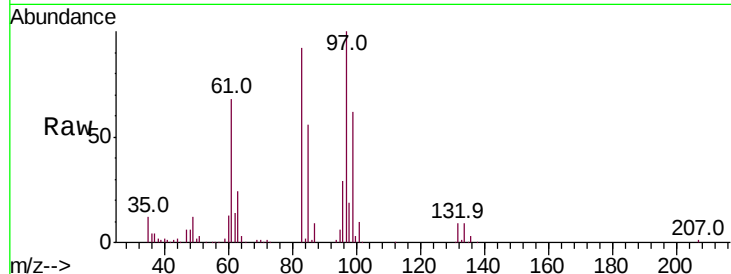
#55
1,1,2-Trichloroethane
Concen: 19.929 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBSD01

Tot Ion	97	Resp	39939
Ion	Ratio	Lower	Upper
97	100		
83	91.7	70.2	105.4
85	56.0	44.2	66.2
99	61.9	52.6	79.0

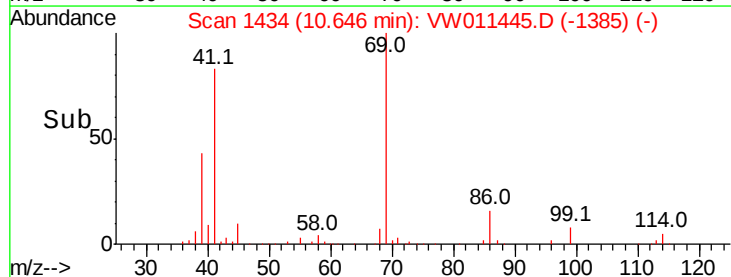
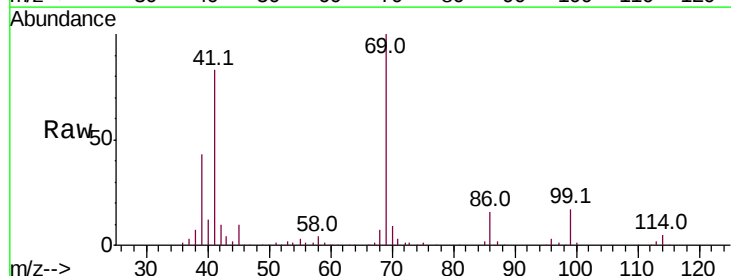
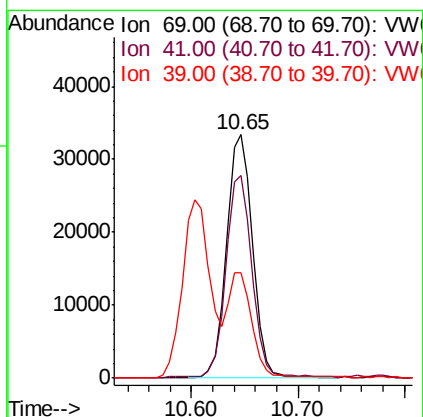
Manual Integrations
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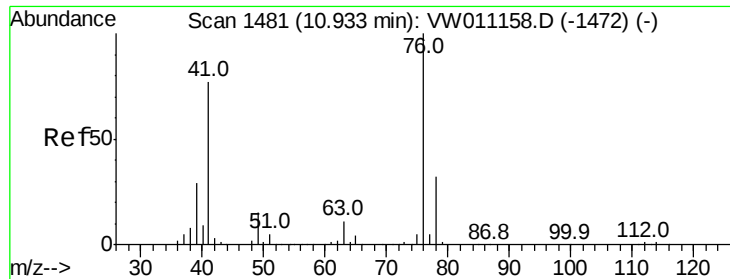
MMDadoda
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#56
Ethyl methacrylate
Concen: 18.807 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	69	Resp	57384
Ion	Ratio	Lower	Upper
69	100		
41	83.5	66.5	99.7
39	38.5	32.5	48.7





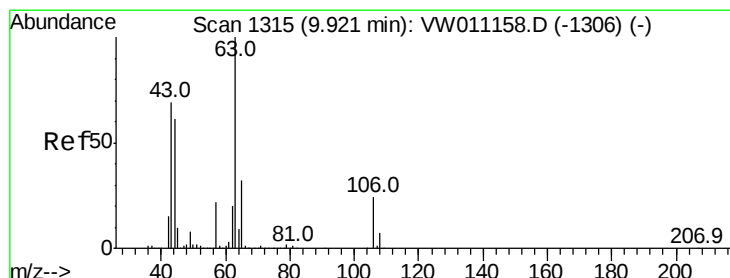
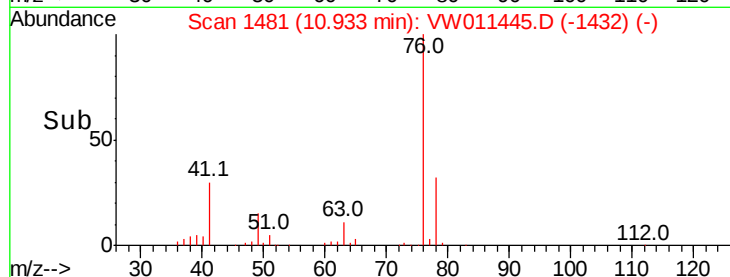
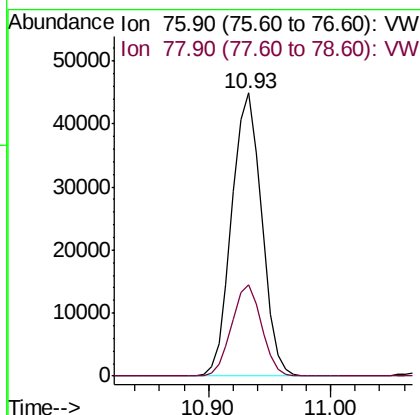
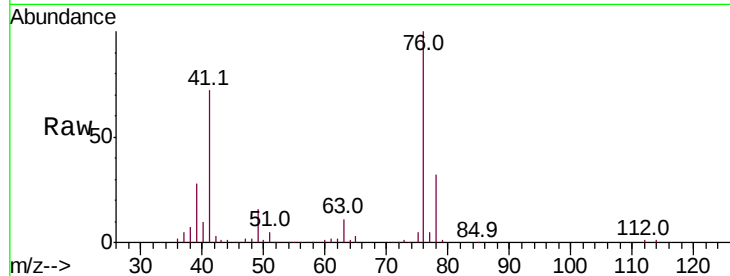
#57
 1,3-Dichloropropane
 Concen: 20.073 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011445.D
 Acq: 23 Jul 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0724SBS01

Tot Ion: 76 Resp: 76070
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

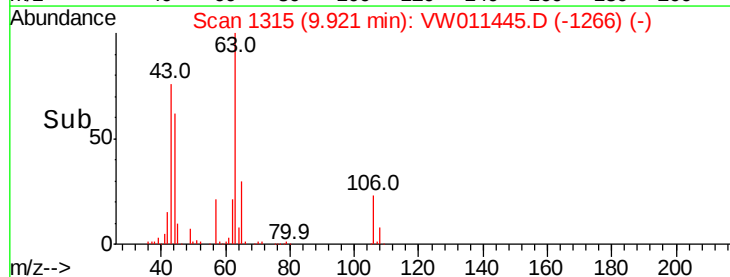
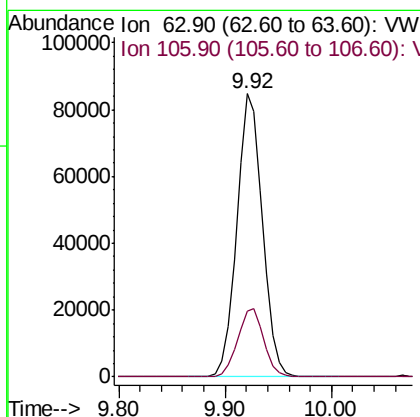
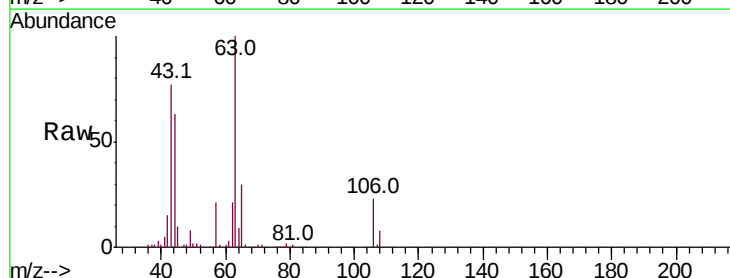
Manual Integrations
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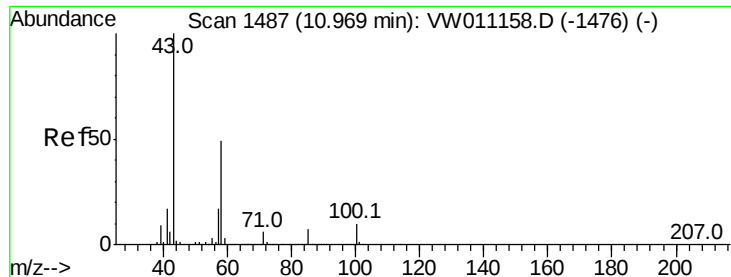
MMDadoda
 7/25/2019 3:10:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.222 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011445.D
 Acq: 23 Jul 2019 21:48

Tgt Ion: 63 Resp: 143181
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.4 29.0





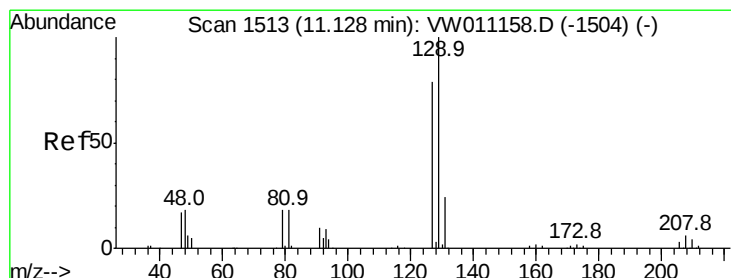
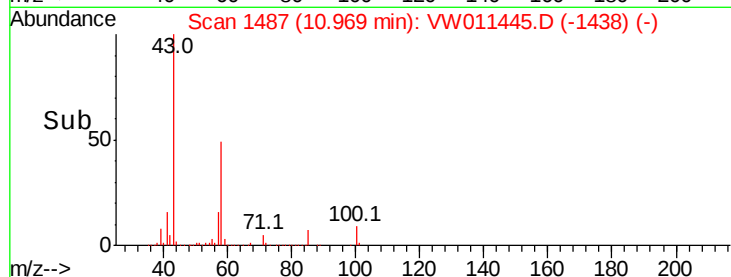
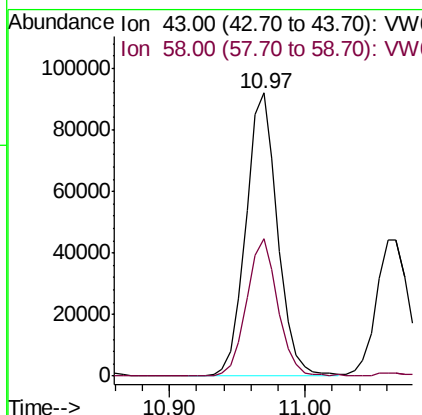
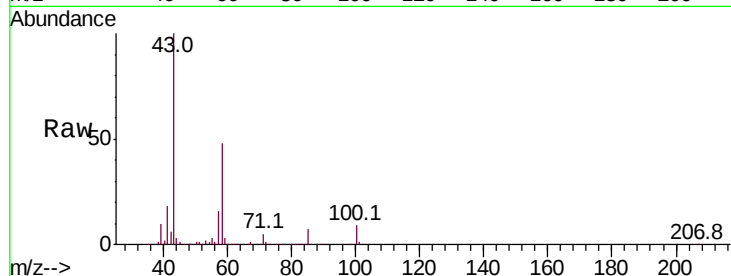
#59
2-Hexanone
Concen: 90.634 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBSD01

Tot Ion: 43 Resp: 149665
Ion Ratio Lower Upper
43 100
58 47.9 24.4 73.4

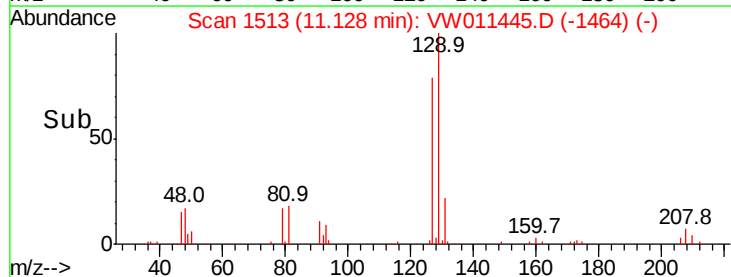
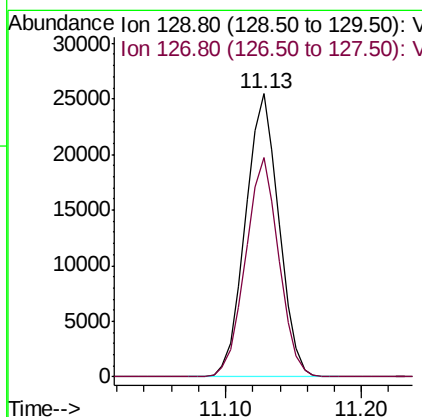
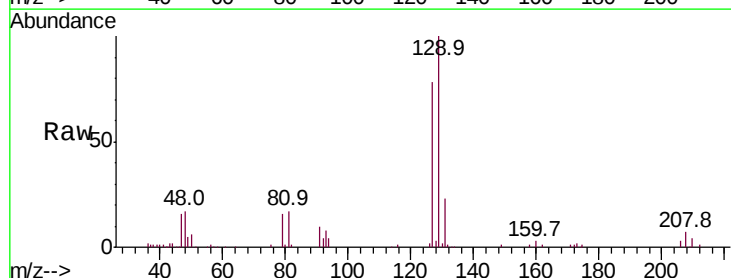
Manual Integrations
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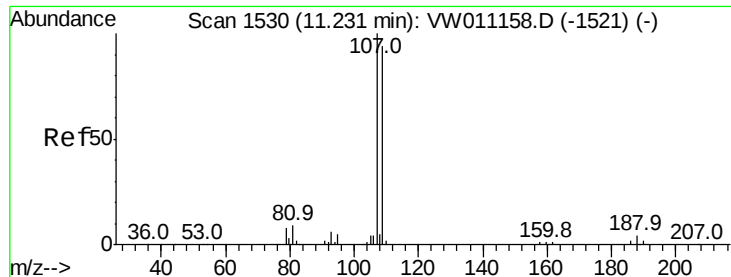
MMDadoda
7/25/2019 3:10:52 PM



#60
Dibromochloromethane
Concen: 19.946 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion: 129 Resp: 43834
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3





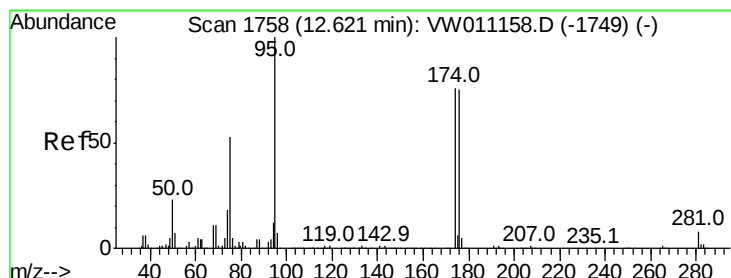
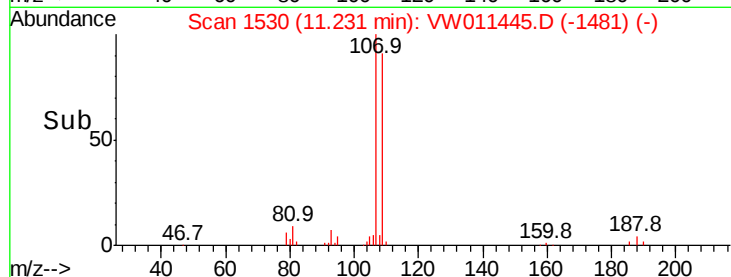
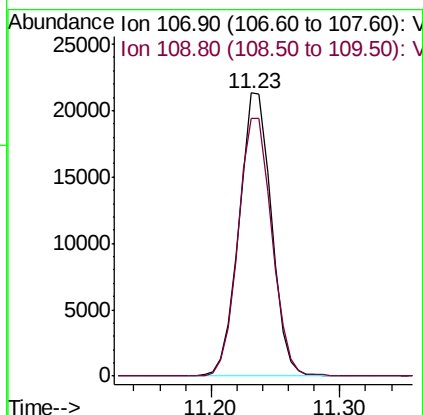
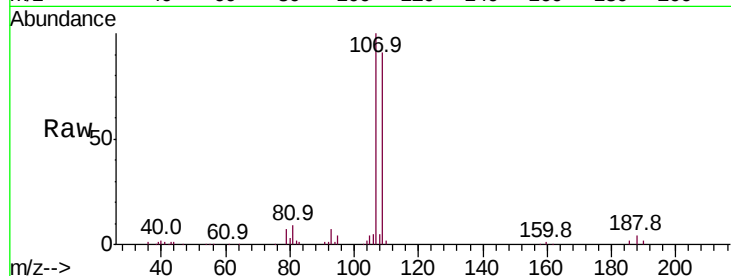
#61
 1,2-Dibromoethane
 Concen: 19.477 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011445.D
 Acq: 23 Jul 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0724SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.2	112.8

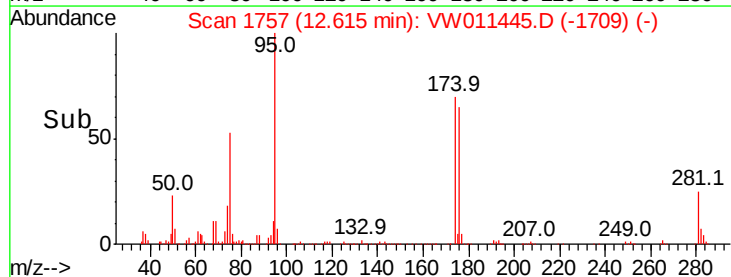
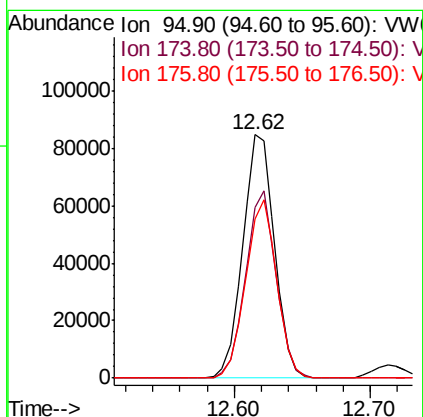
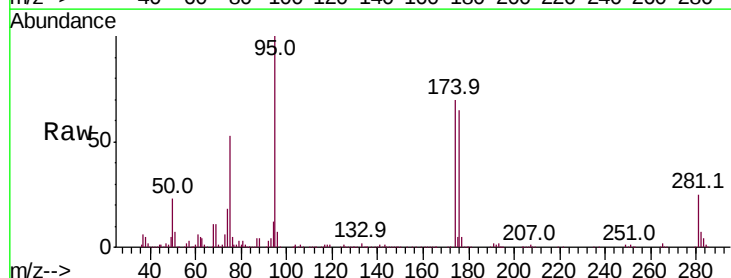
Manual Integrations
 APPROVED

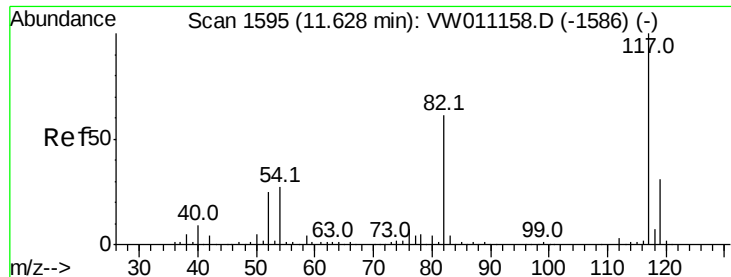
MMDadoda
 7/25/2019 3:10:52 PM



#62
 4-Bromofluorobenzene
 Concen: 41.315 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011445.D
 Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	147.6
176	72.0	0.0	144.6





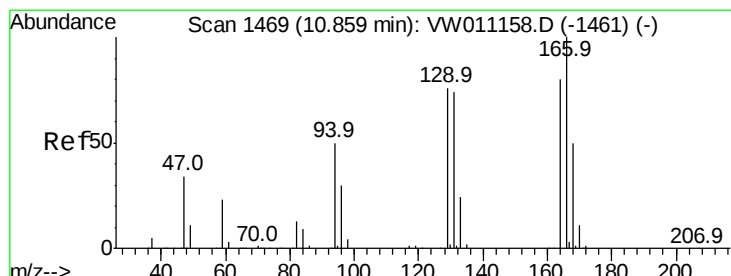
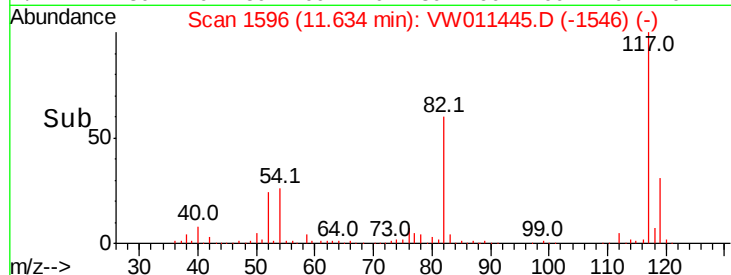
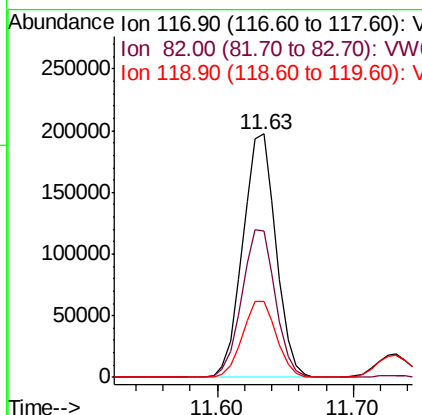
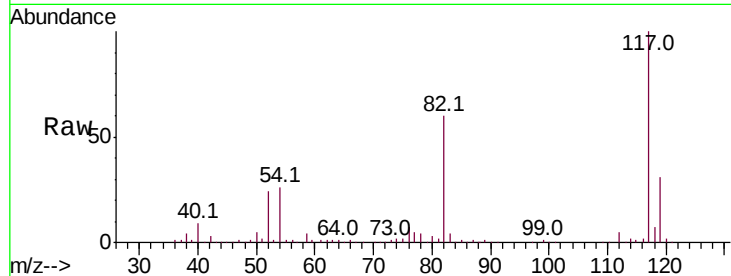
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	48.9	73.3
119	31.1	25.0	37.6

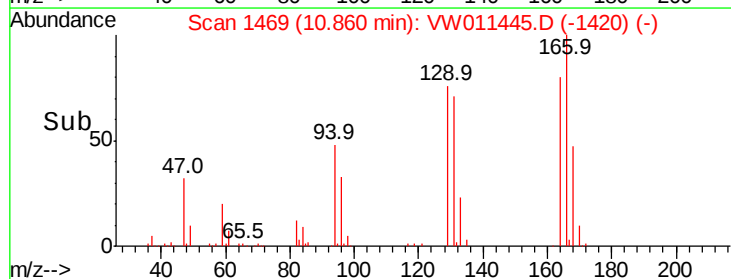
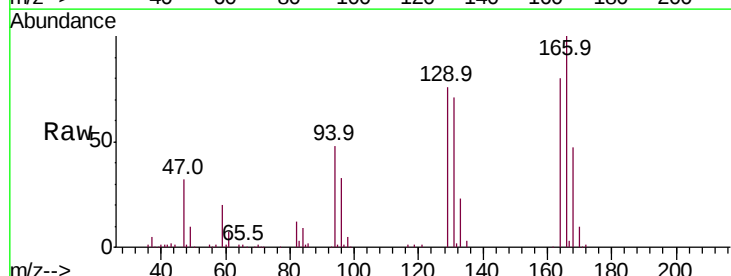
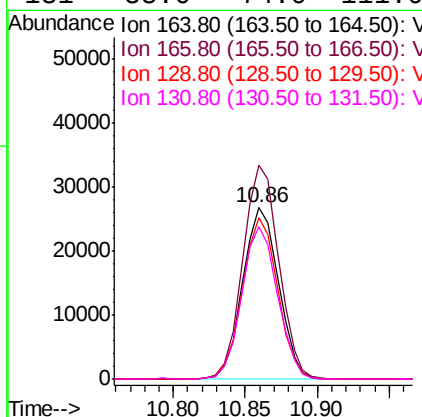
Manual Integrations
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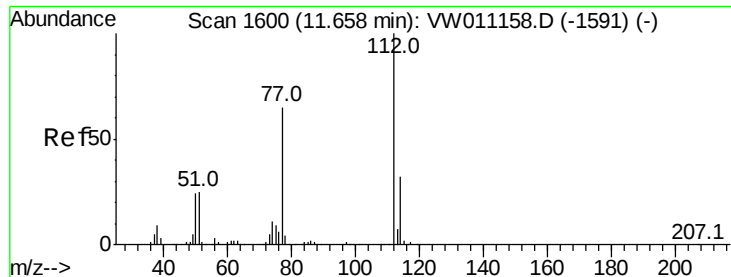
MMDadoda
7/25/2019 3:10:52 PM



#64
Tetrachloroethene
Concen: 20.197 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	99.7	149.5
129	94.1	76.2	114.2
131	88.6	74.0	111.0





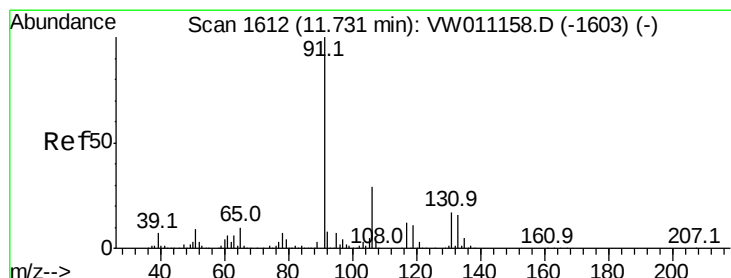
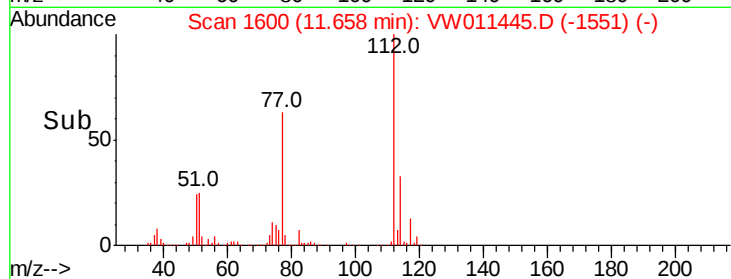
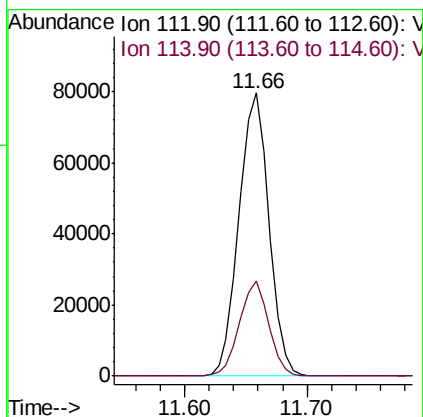
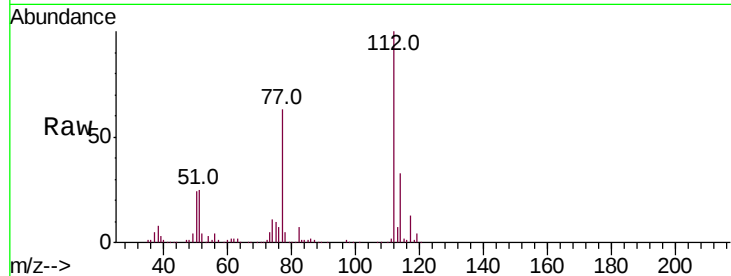
#65
Chlorobenzene
Concen: 19.739 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.5	38.3

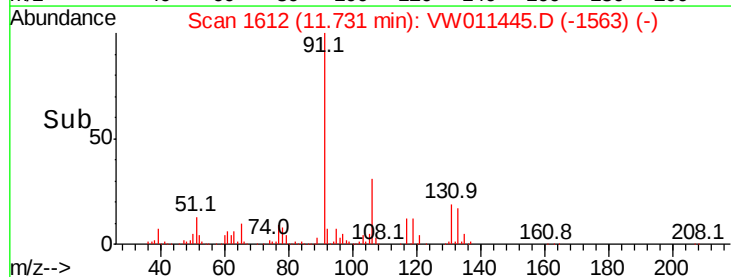
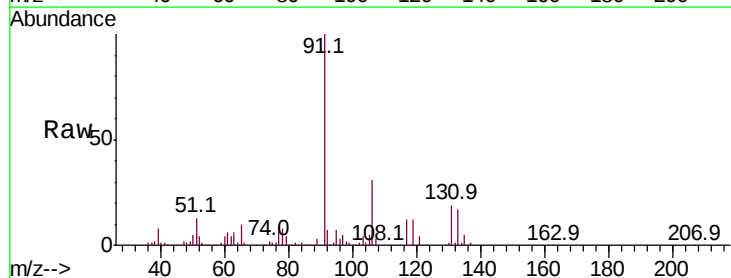
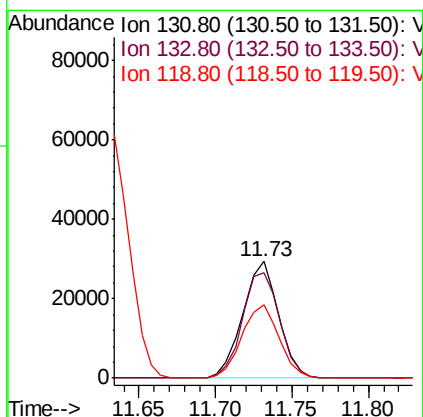
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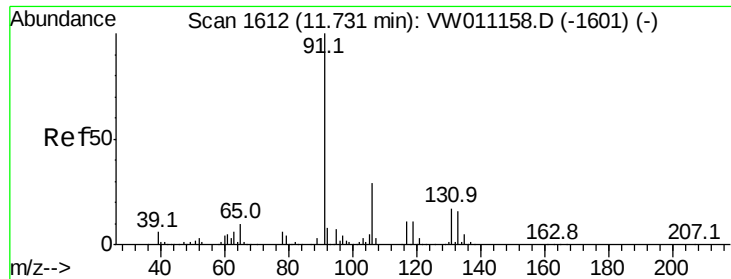
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.773 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.9	143.8
119	65.4	33.1	99.2





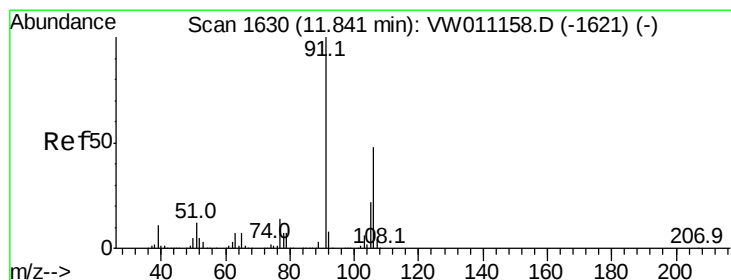
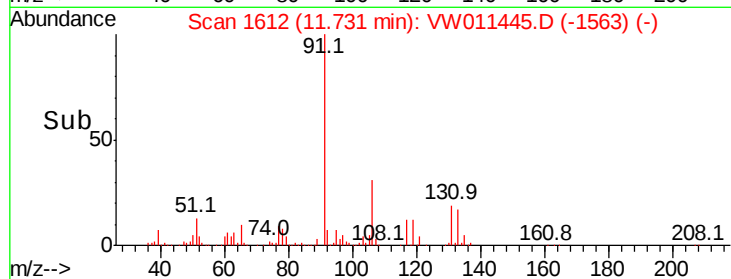
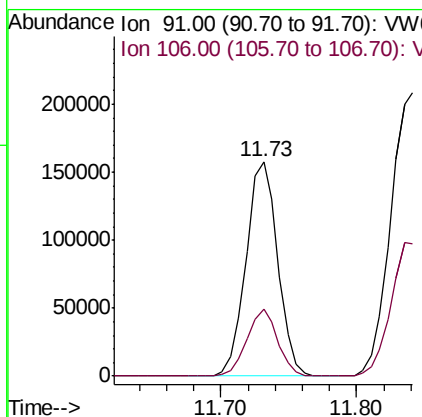
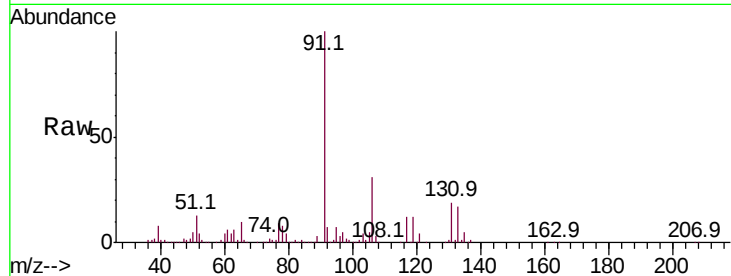
#67
Ethyl Benzene
Concen: 19.612 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBS01

Tot Ion: 91 Resp: 257267
Ion Ratio Lower Upper
91 100
106 31.2 23.5 35.3

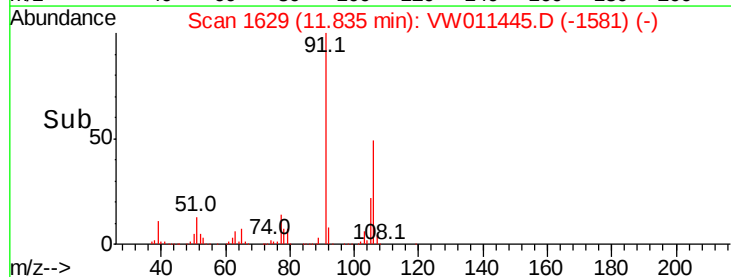
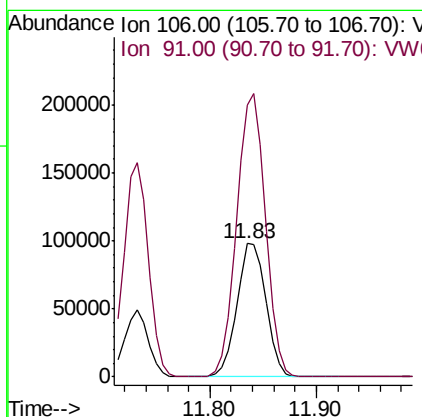
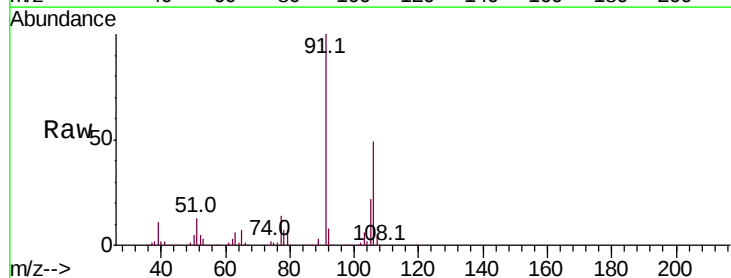
Manual Integrations
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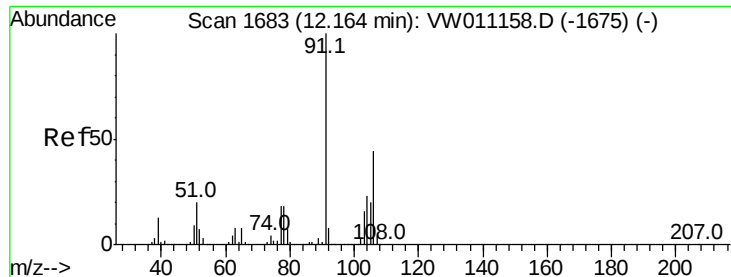
MMDadoda
7/25/2019 3:10:52 PM



#68
m/p-Xylenes
Concen: 39.588 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion: 106 Resp: 187903
Ion Ratio Lower Upper
106 100
91 210.1 167.7 251.5





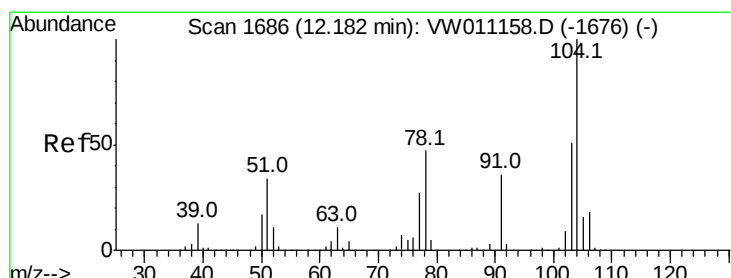
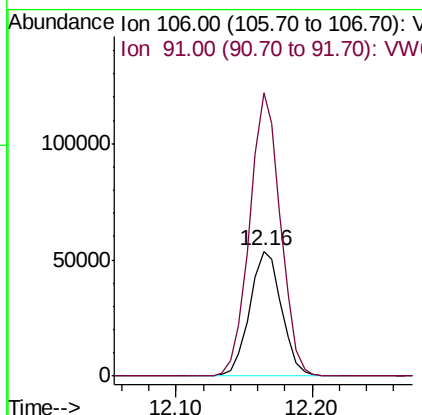
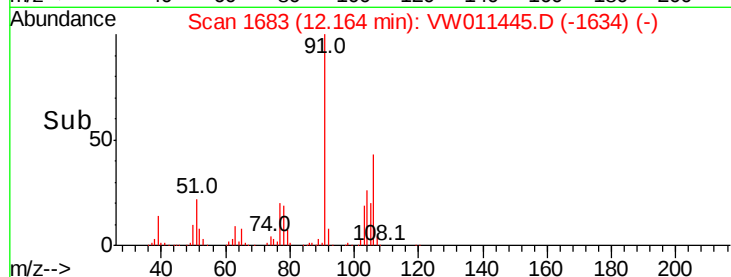
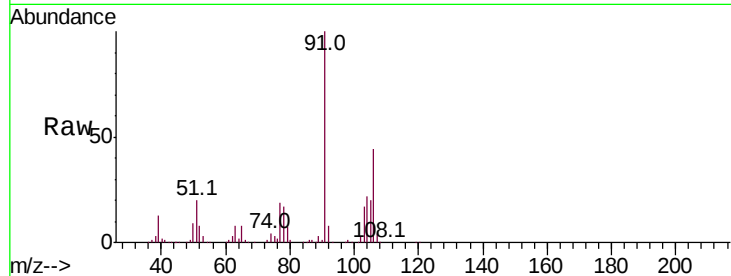
#69
o-Xylene
Concen: 19.697 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBS01

Tot Ion:106 Resp: 88115
Ion Ratio Lower Upper
106 100
91 220.4 110.7 332.1

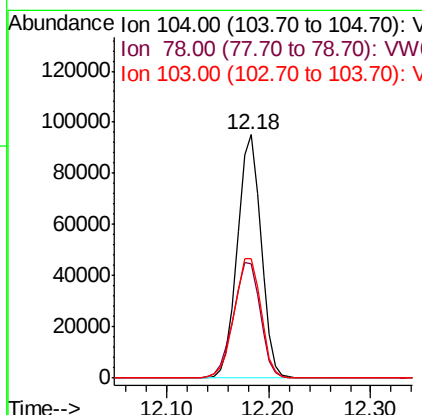
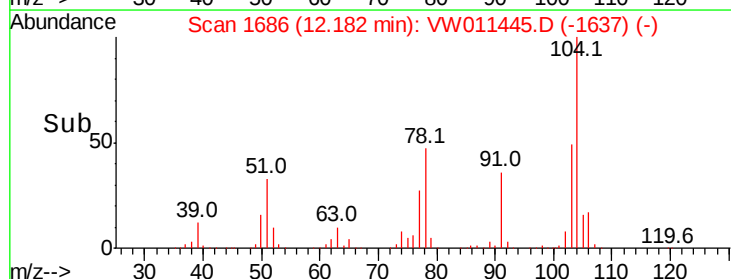
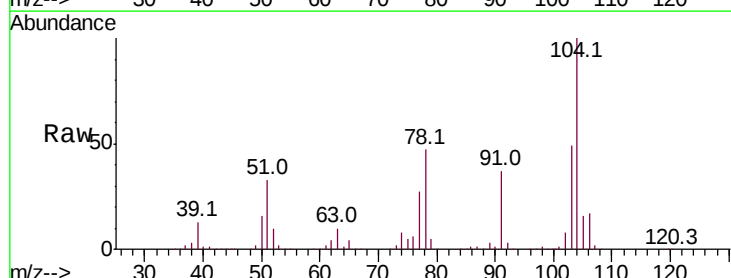
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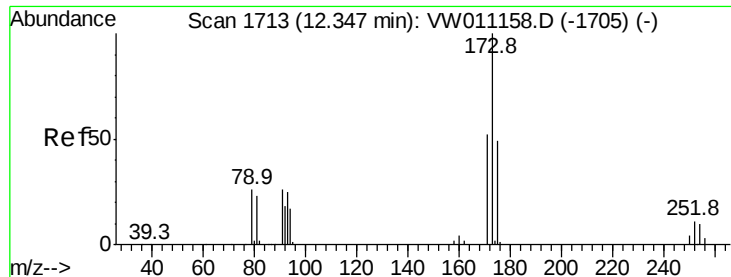
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#70
Styrene
Concen: 19.780 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion:104 Resp: 152714
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 55.4 44.1 66.1





#71

Bromoform

Concen: 18.856 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBSD01

Tot Ion:173 Resp: 24188

Ion Ratio Lower Upper

173 100

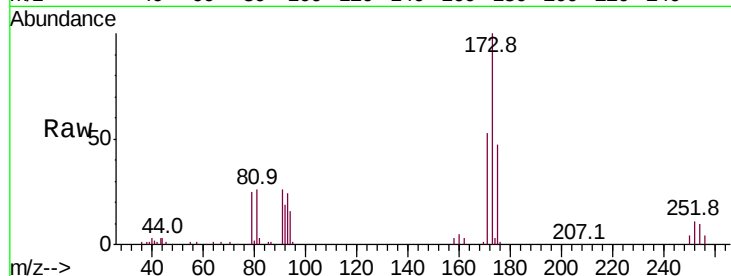
175 47.4 24.8 74.3

254 0.0 0.0 0.0

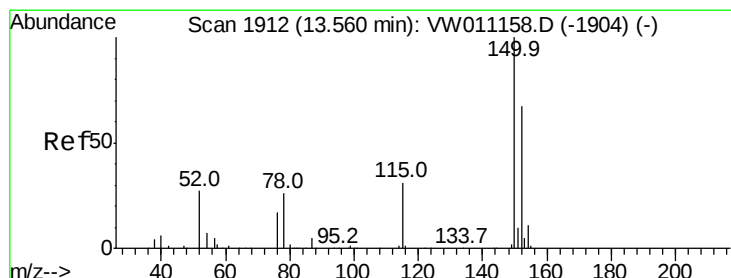
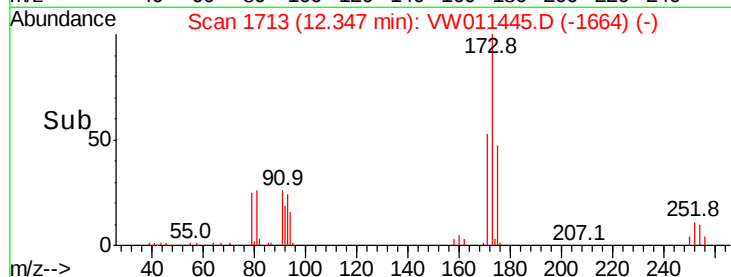
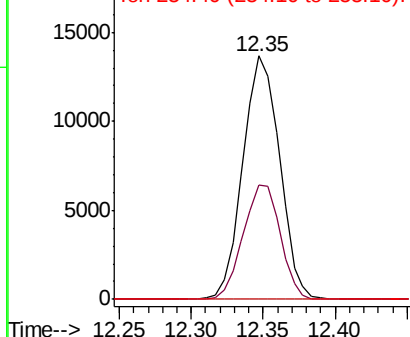
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

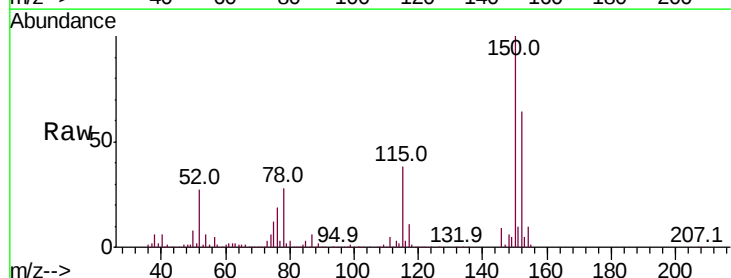
Tgt Ion:152 Resp: 163511

Ion Ratio Lower Upper

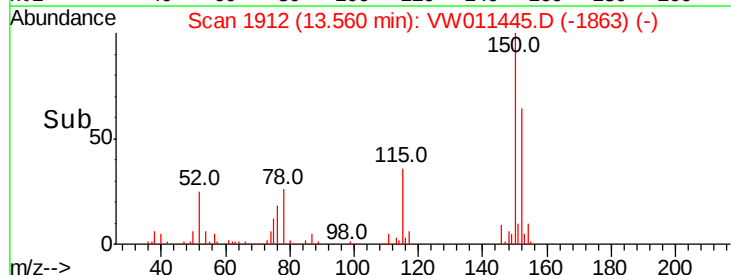
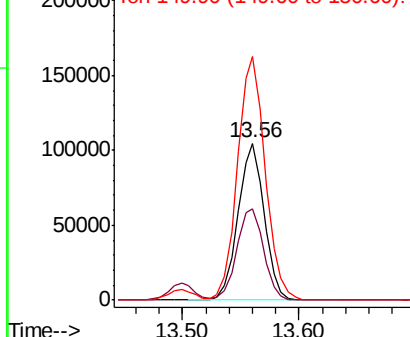
152 100

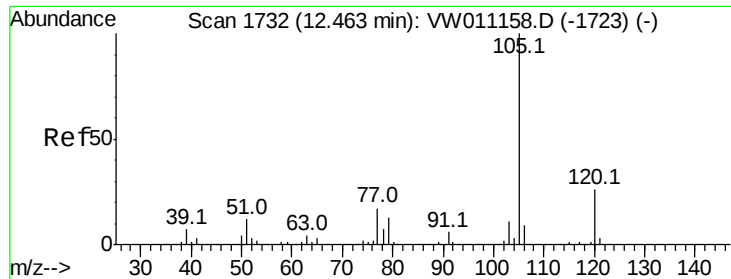
115 60.4 30.1 90.3

150 164.8 0.0 346.0



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: 19.921 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampled :

VW0724SBS01

Tot Ion: 105 Resp: 243493

Ion Ratio Lower Upper

105 100

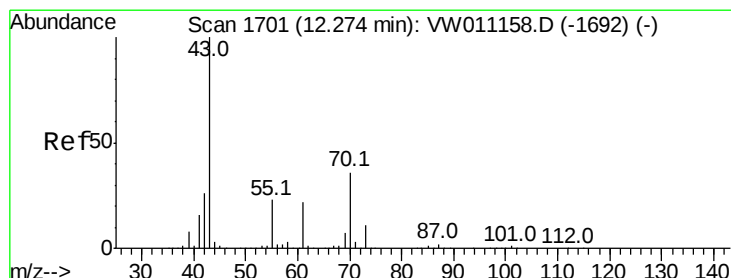
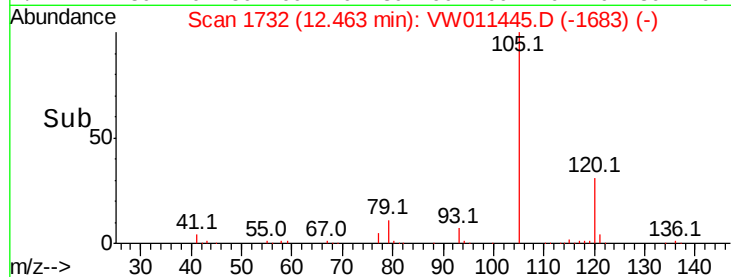
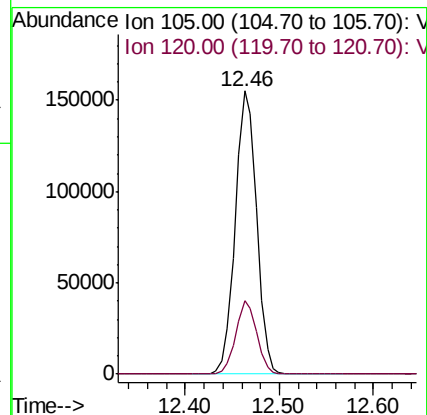
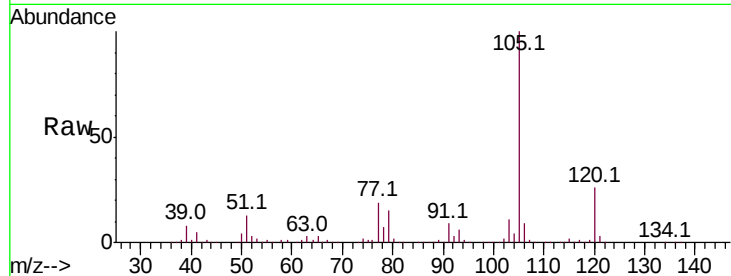
120 25.3 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.087 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Tgt Ion: 43 Resp: 76998

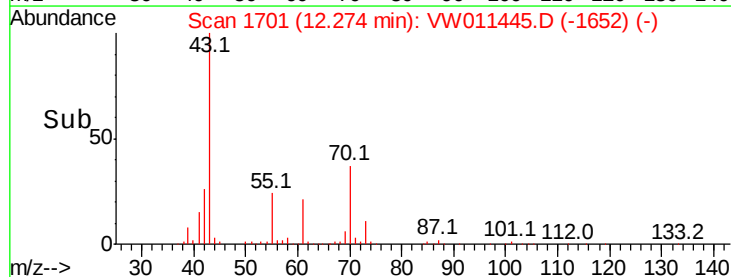
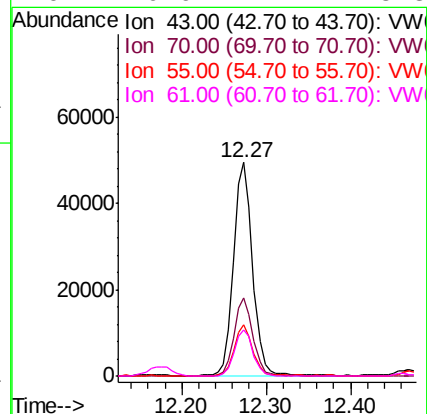
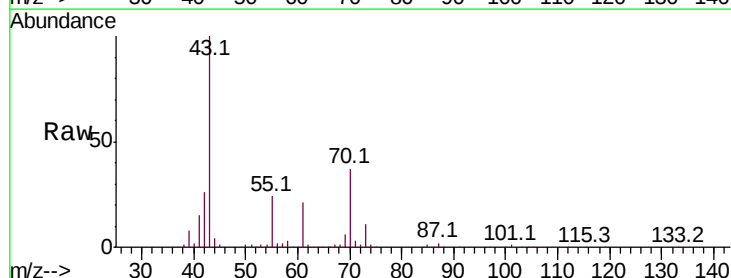
Ion Ratio Lower Upper

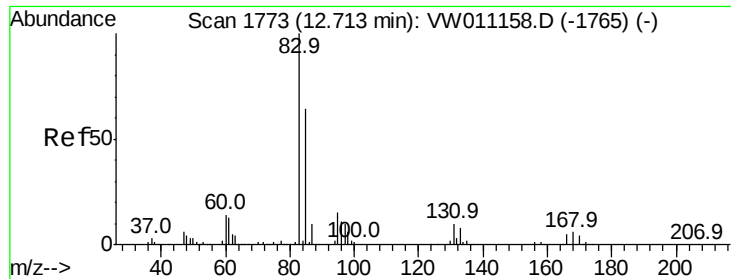
43 100

70 36.0 28.5 42.7

55 23.2 18.1 27.1

61 20.9 17.2 25.8





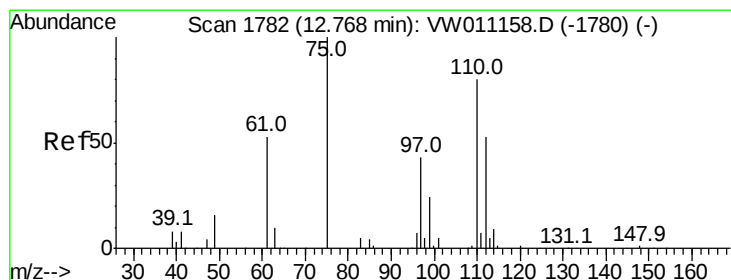
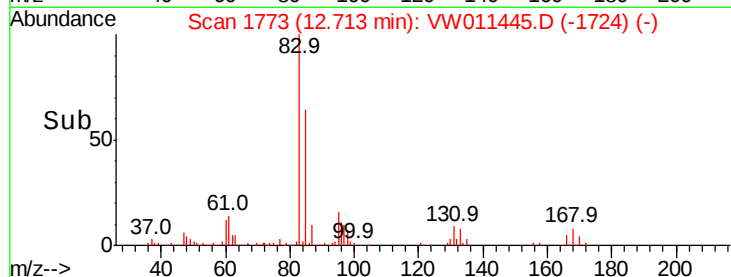
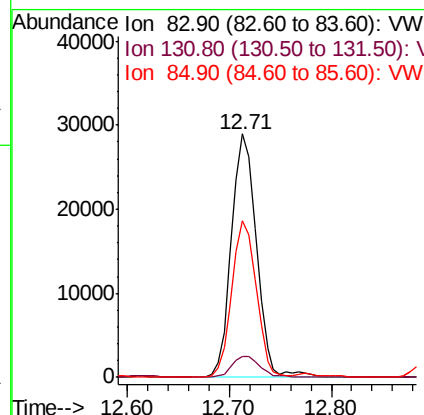
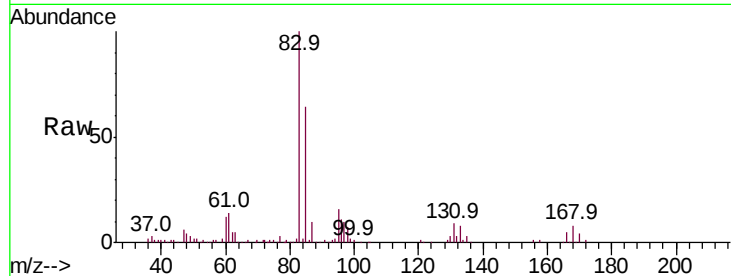
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.714 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW011445.D
 Acq: 23 Jul 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0724SBSD01

Tot Ion	83	Resp	49394
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	5.0	15.0
85	62.6	31.6	94.8

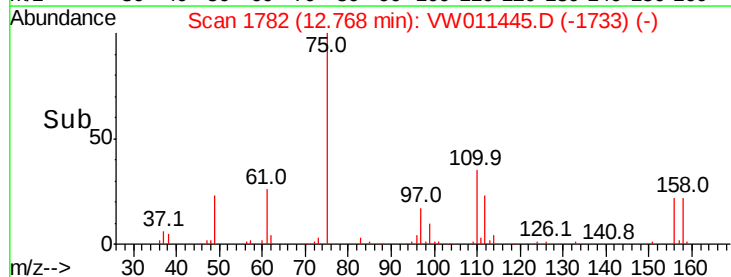
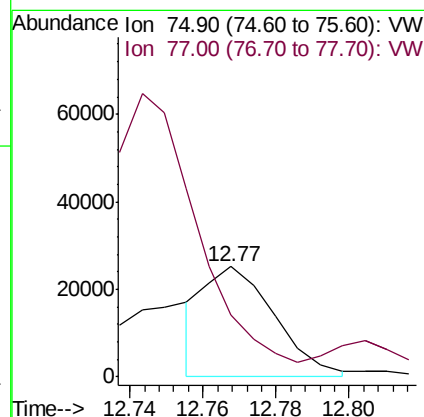
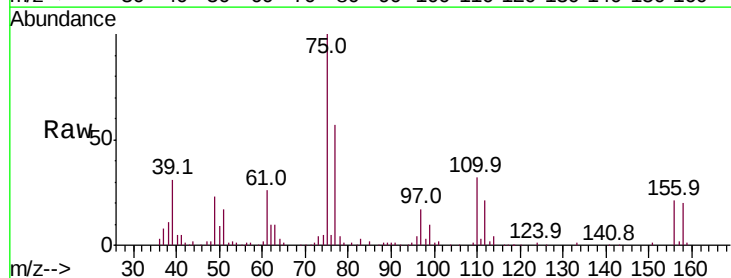
Manual Integrations
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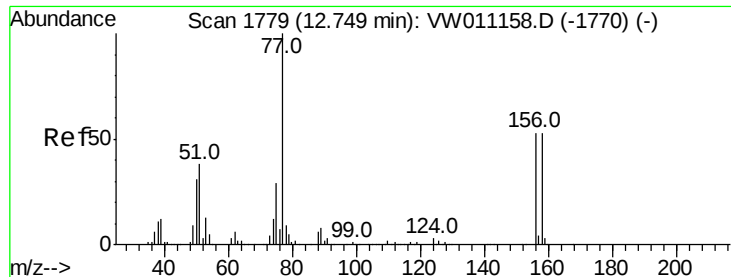
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#76
 1,2,3-Trichloropropane
 Concen: 17.797 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011445.D
 Acq: 23 Jul 2019 21:48

Tgt Ion	75	Resp	33628
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





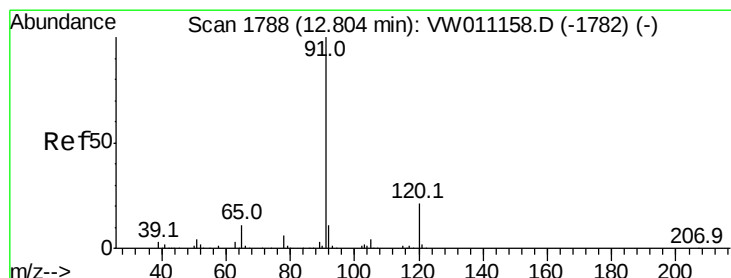
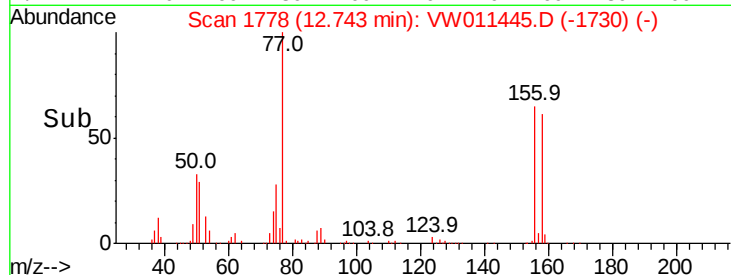
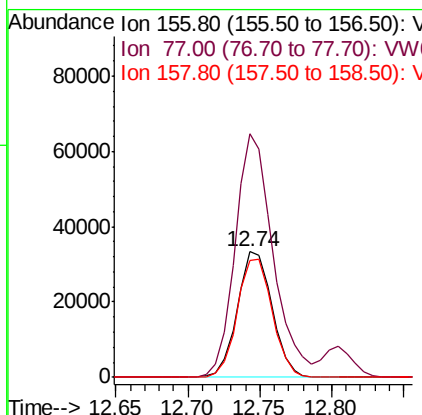
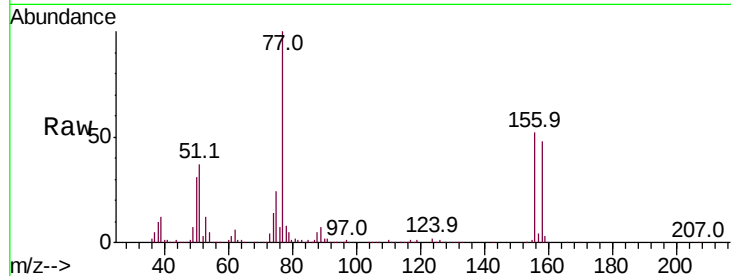
#77
Bromobenzene
Concen: 20.325 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.1	109.0	327.0
158	95.3	48.8	146.3

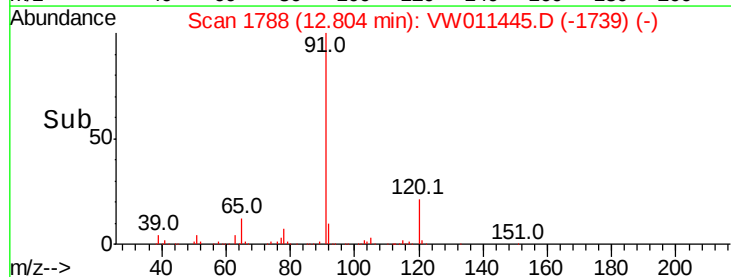
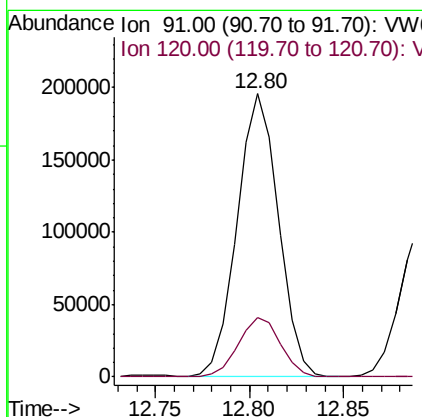
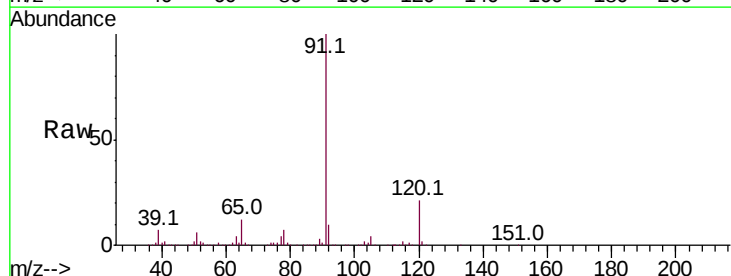
Manual Integrations
APPROVED

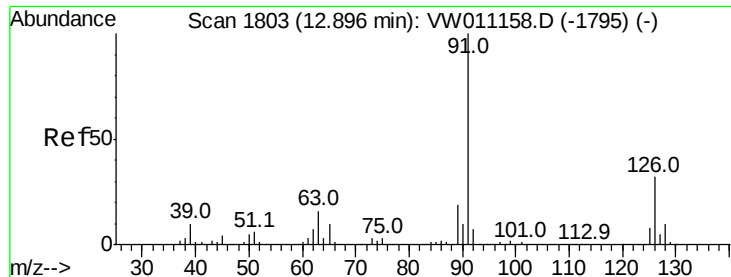
MMDadoda
7/25/2019 3:10:52 PM



#78
n-propylbenzene
Concen: 19.776 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3





#79

2-Chlorotoluene

Concen: 19.589 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBSD01

Tot Ion: 91 Resp: 169727

Ion Ratio Lower Upper

91 100

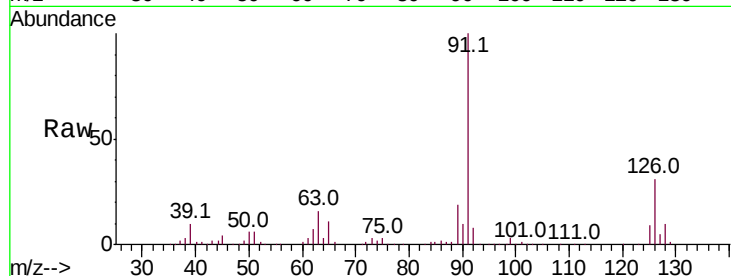
126 31.8 15.8 47.3

Manual Integrations

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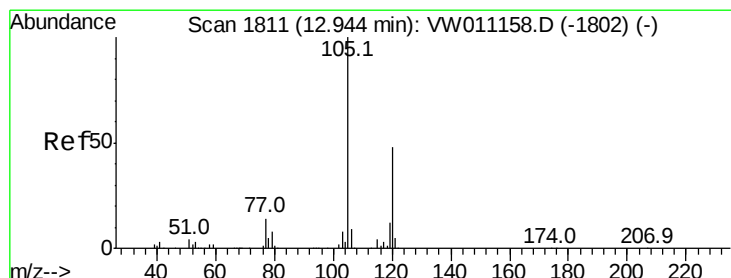
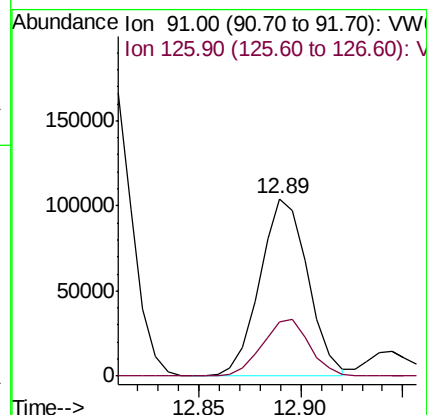
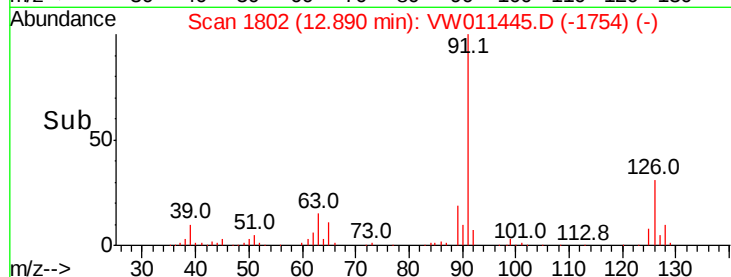
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.808 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011445.D

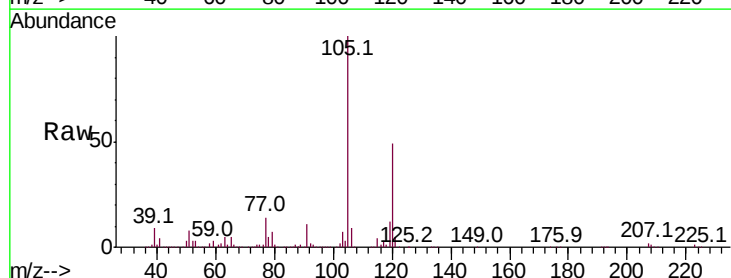
Acq: 23 Jul 2019 21:48

Tgt Ion:105 Resp: 205687

Ion Ratio Lower Upper

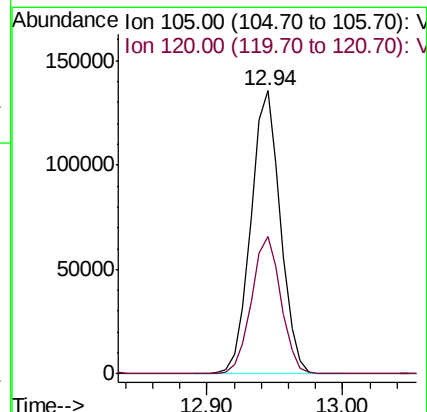
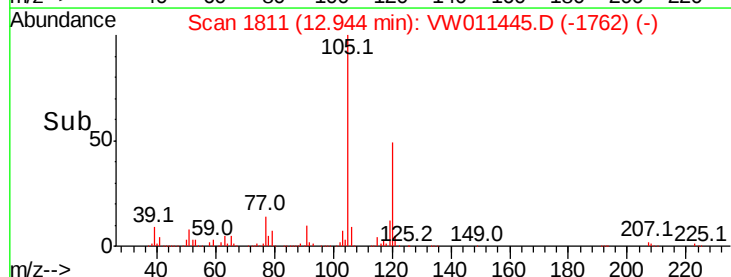
105 100

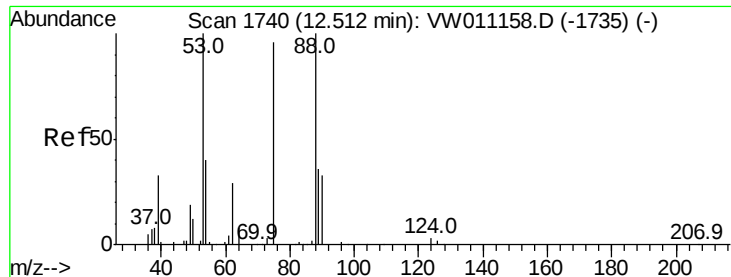
120 48.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.979 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

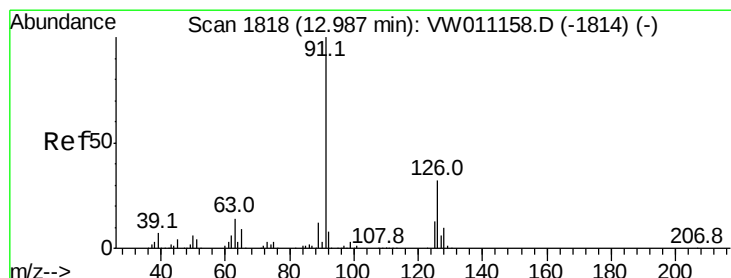
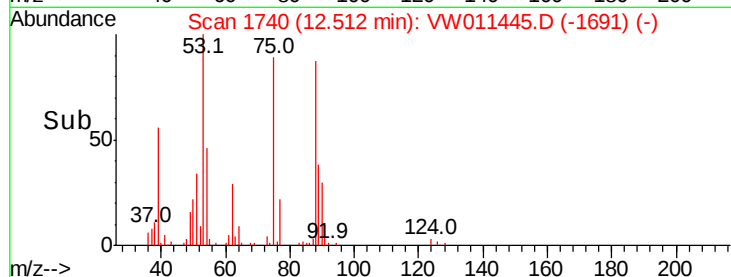
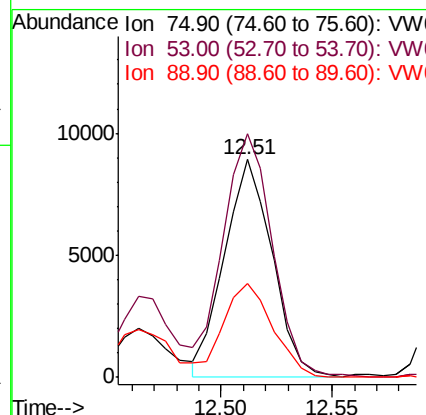
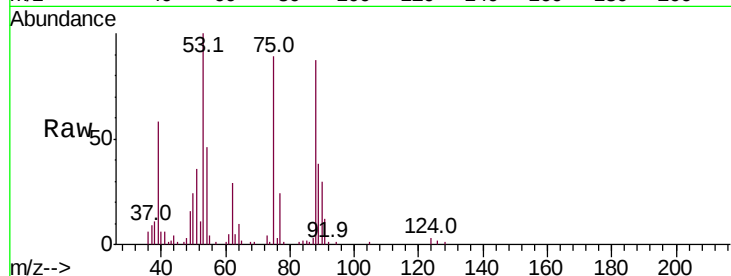
ClientSampleId :

VW0724SBS01

Tot Ion:	75	Resp:	13349
Ion	Ratio	Lower	Upper
75	100		
53	115.3	89.8	134.6
89	44.3	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.796 ug/l

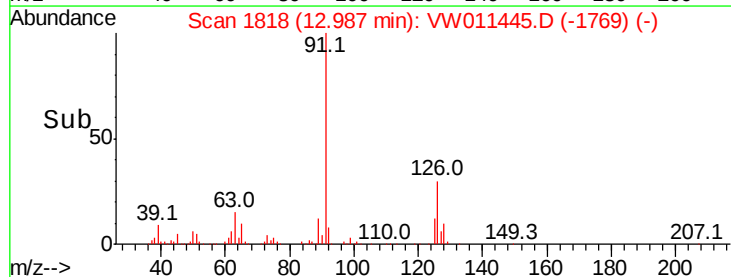
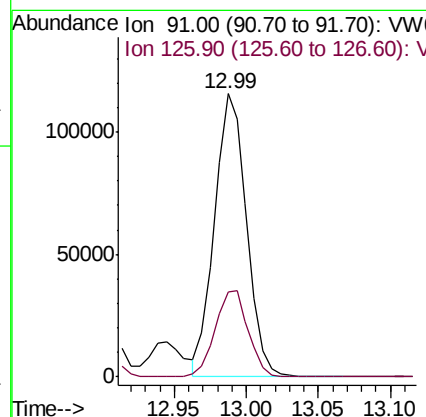
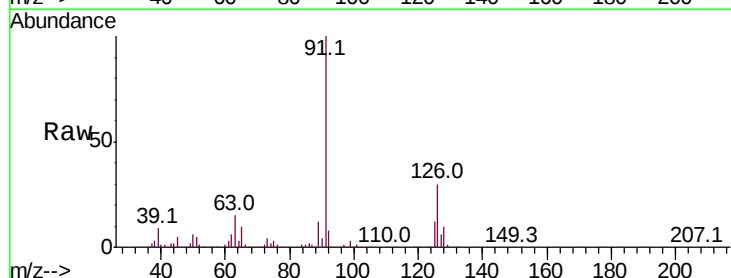
RT: 12.99 min Scan# 1818

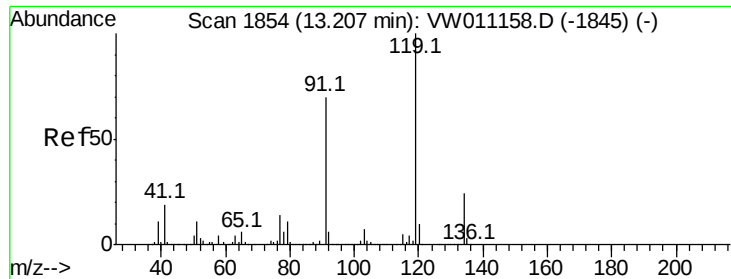
Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Tgt Ion:	91	Resp:	178653
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1





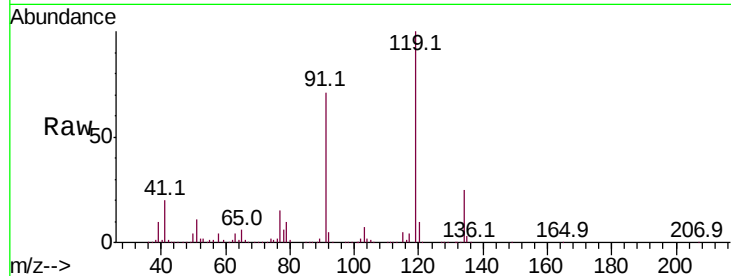
#83
tert-Butylbenzene
Concen: 19.864 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBS01

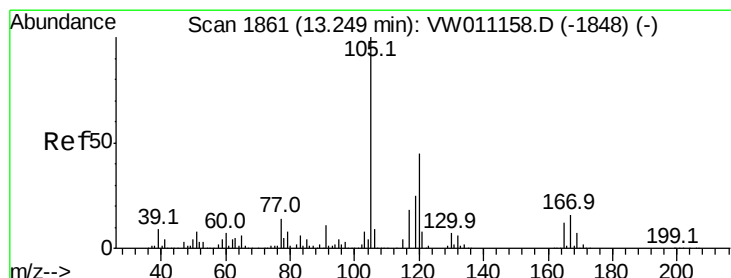
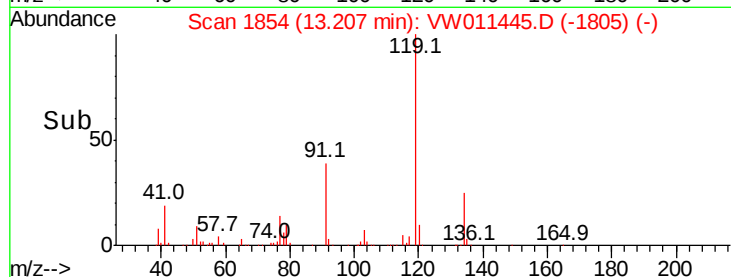
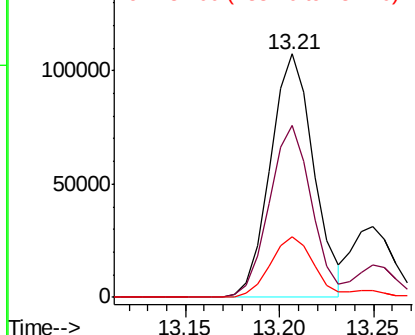
Tot Ion	Ratio	Resp	Lower	Upper
119	100	172025		
91	68.5	35.4	106.3	
134	25.1	13.4	40.2	

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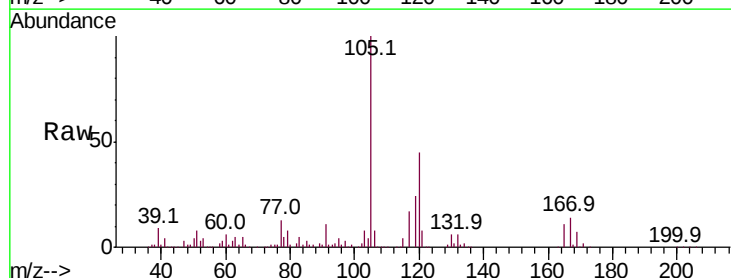


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

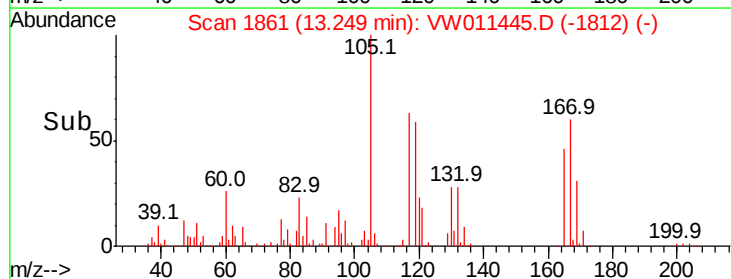
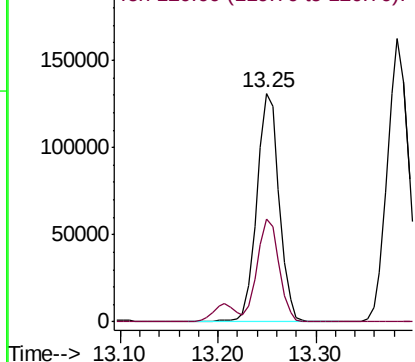


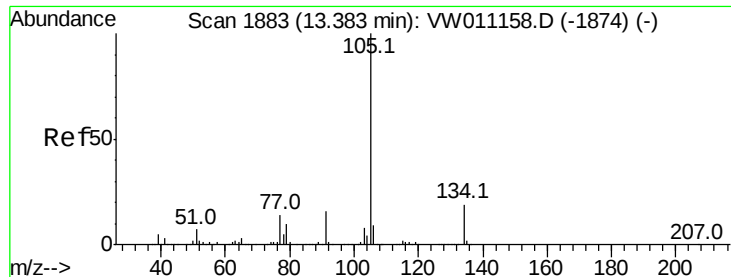
#84
1,2,4-Trimethylbenzene
Concen: 19.915 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207647		
120	43.9	22.3	66.9	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.605 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBSD01

Tot Ion:105 Resp: 244990

Ion Ratio Lower Upper

105 100

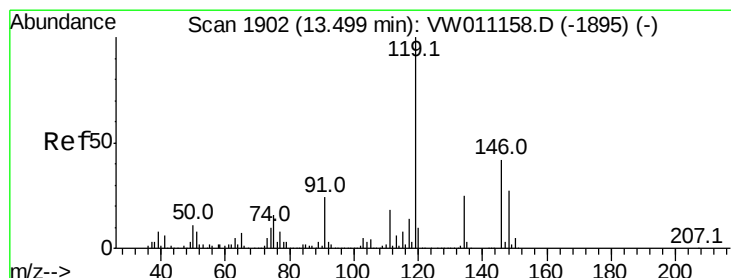
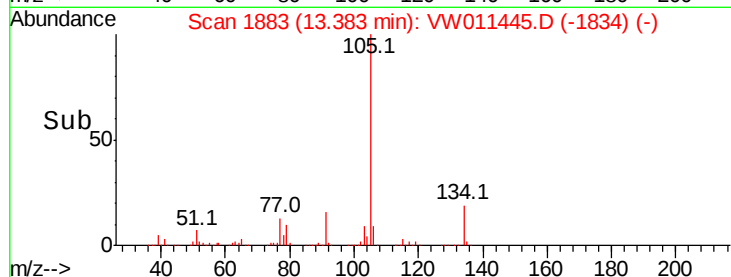
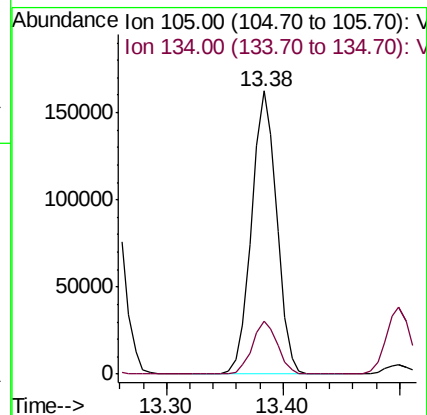
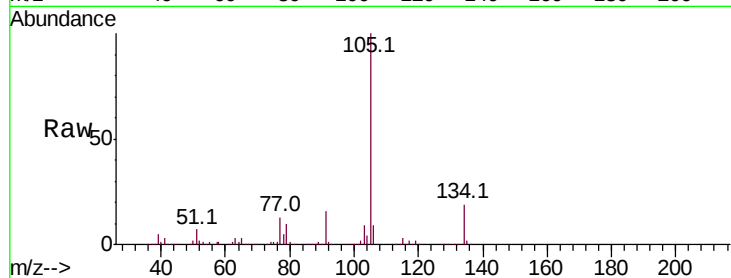
134 18.8 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 19.720 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

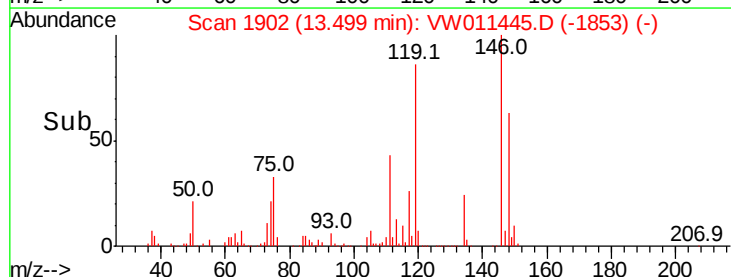
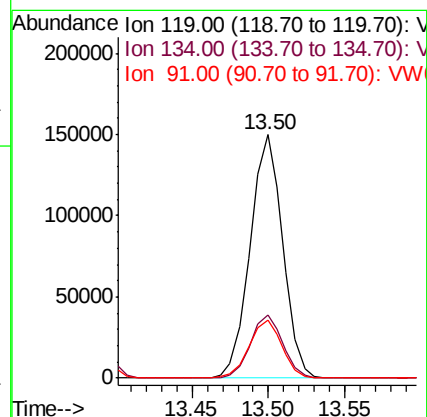
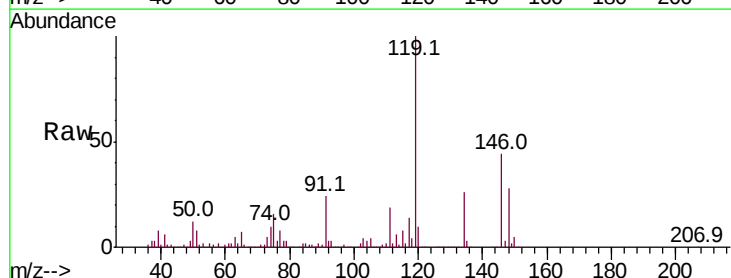
Tgt Ion:119 Resp: 221025

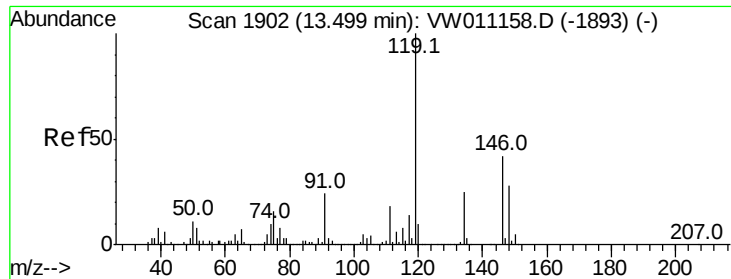
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 23.9 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 19.999 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

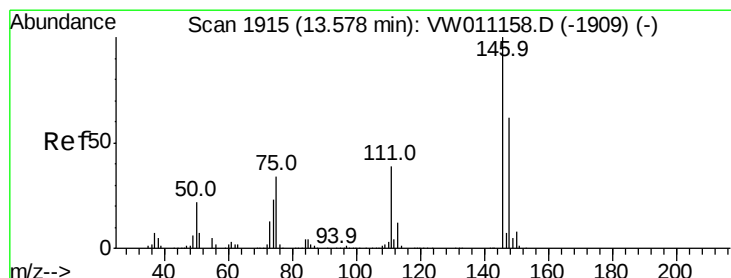
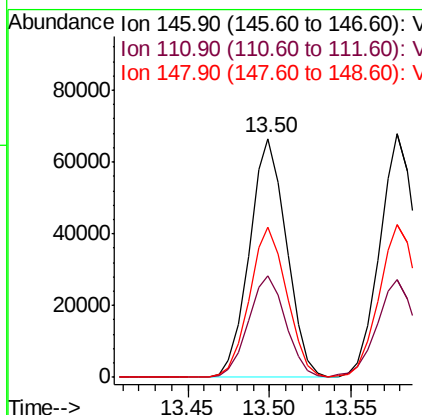
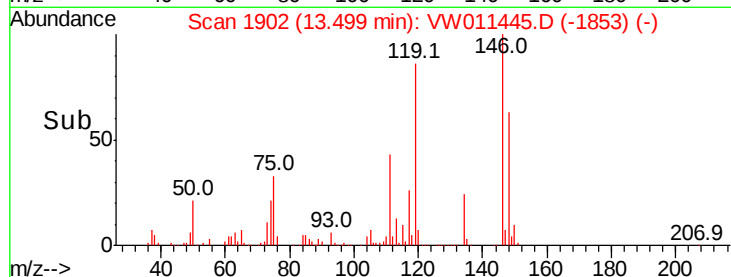
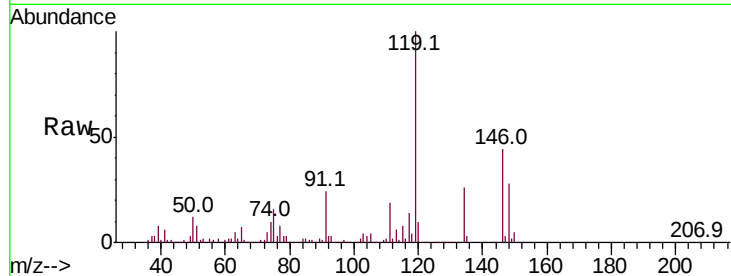
Instrument :
MSVOA_W

ClientSampleId :
VW0724SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	105546		
111	42.8	21.1	63.1	
148	63.3	32.6	97.7	

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#88

1,4-Dichlorobenzene

Concen: 20.123 ug/l

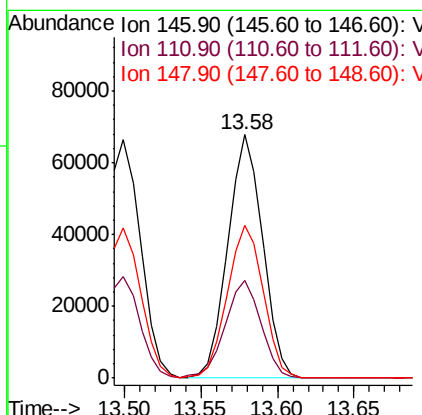
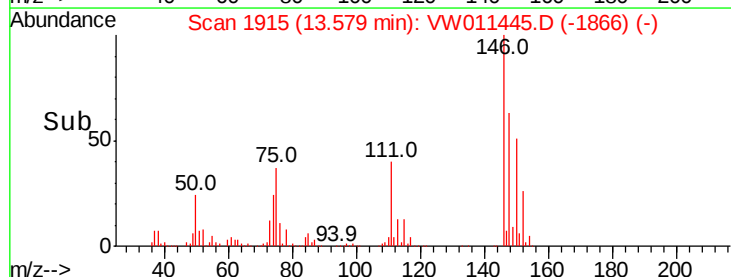
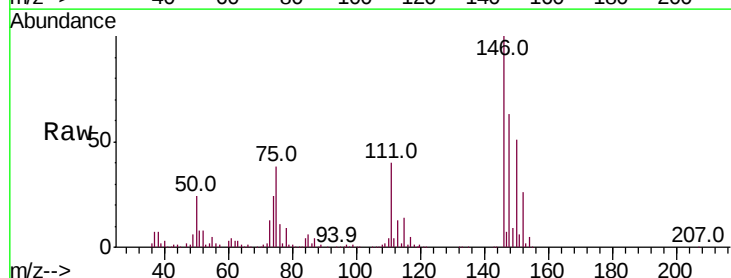
RT: 13.58 min Scan# 1915

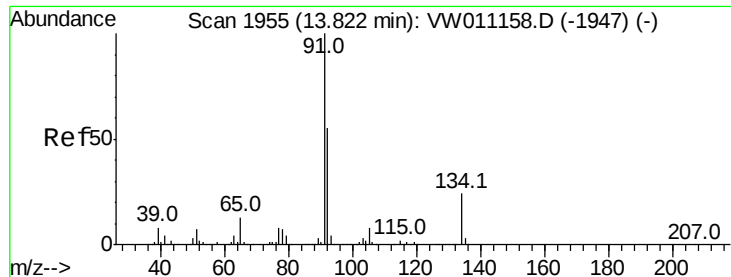
Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106943		
111	41.4	19.9	59.7	
148	64.8	31.5	94.5	





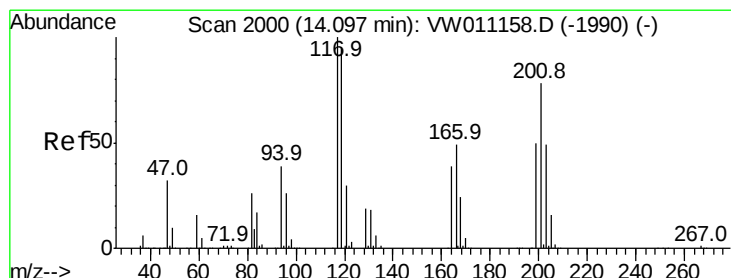
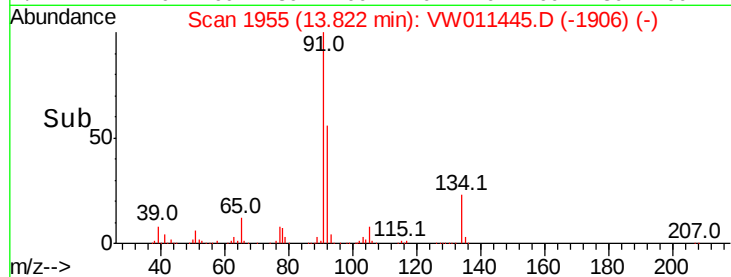
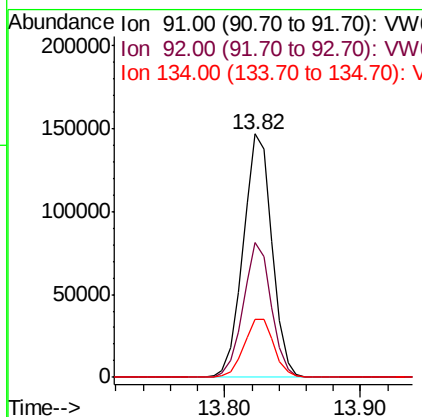
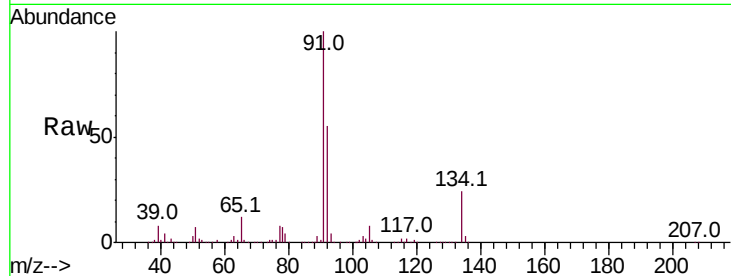
#89
n-Butylbenzene
Concen: 19.397 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.8	26.9	80.7	
134	24.7	12.2	36.4	

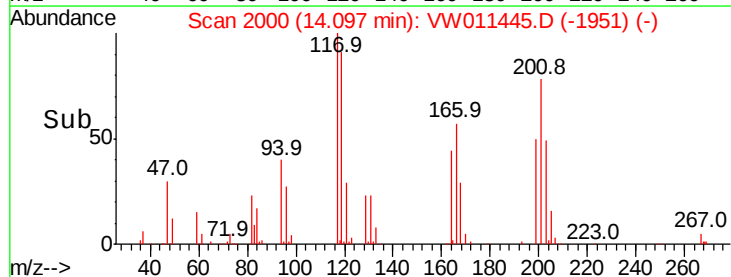
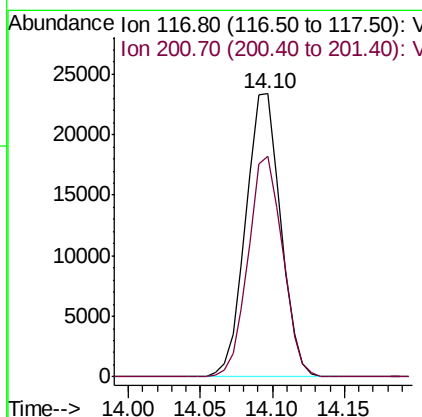
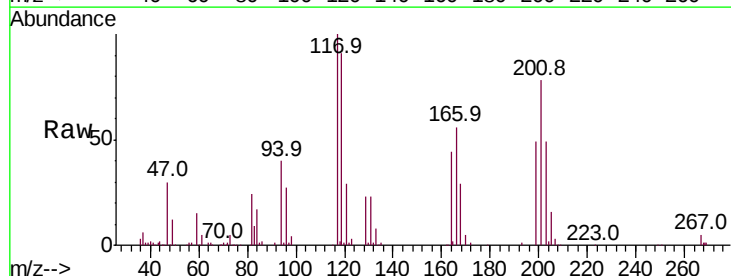
Manual Integrations
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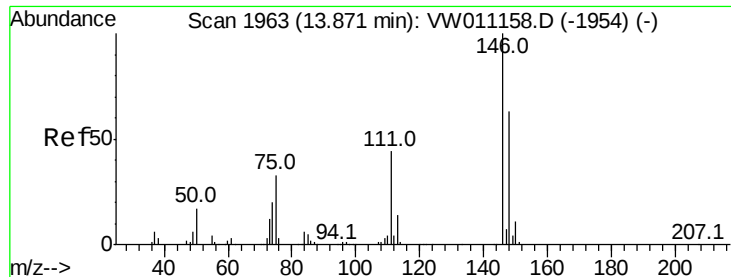
MMDadoda
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#90
Hexachloroethane
Concen: 19.177 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.9	38.3	114.8	





#91

1,2-Dichlorobenzene

Concen: 20.315 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Instrument :

MSVOA_W

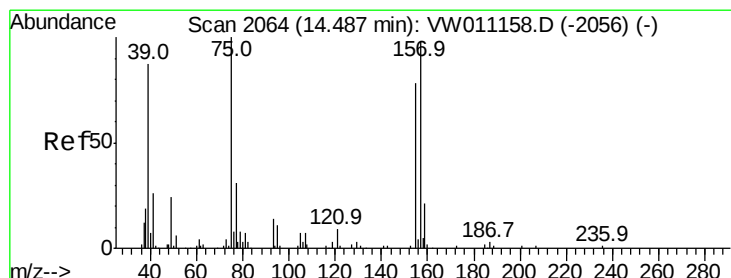
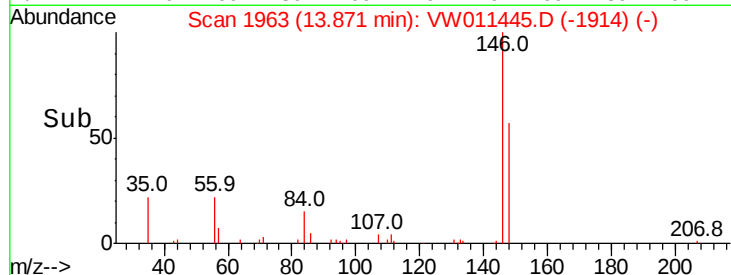
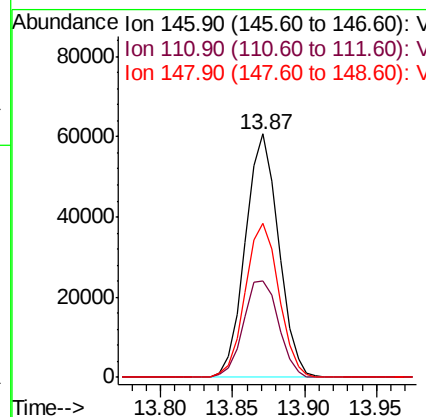
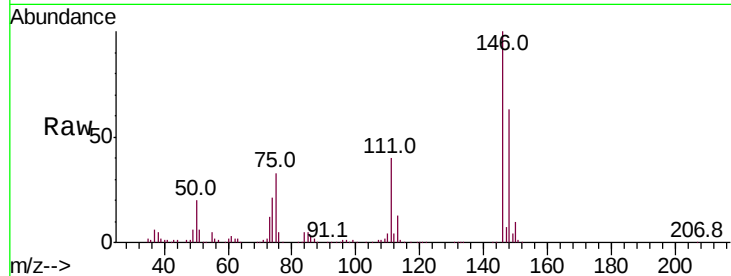
ClientSampleId :

VW0724SBS01

Tot Ion:	146	Resp:	97267
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.6	65.0
148	64.0	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.466 ug/l

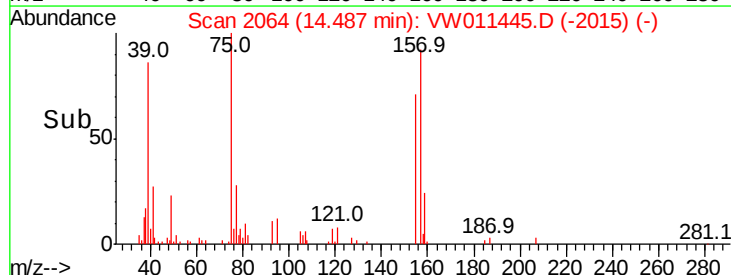
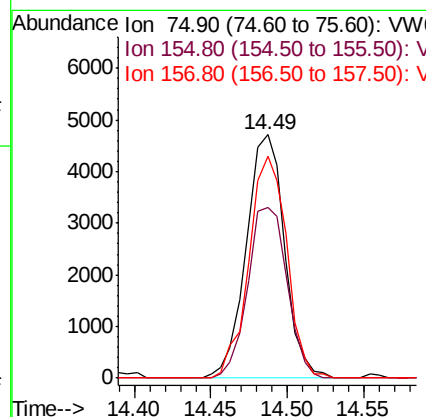
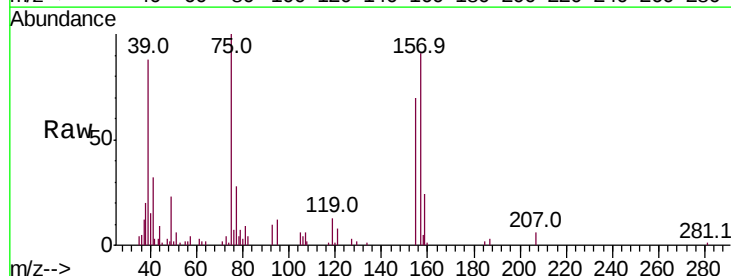
RT: 14.49 min Scan# 2064

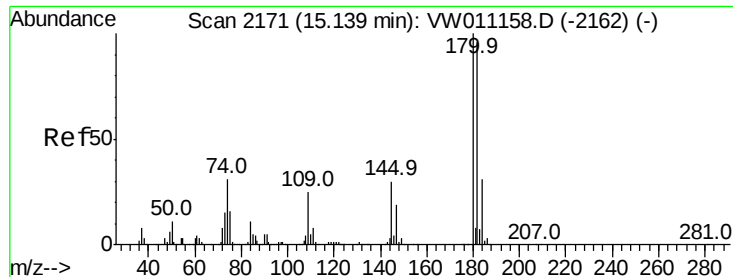
Delta R.T. 0.00 min

Lab File: VW011445.D

Acq: 23 Jul 2019 21:48

Tgt Ion:	75	Resp:	8207
Ion	Ratio	Lower	Upper
75	100		
155	71.9	37.1	111.3
157	90.5	48.5	145.6





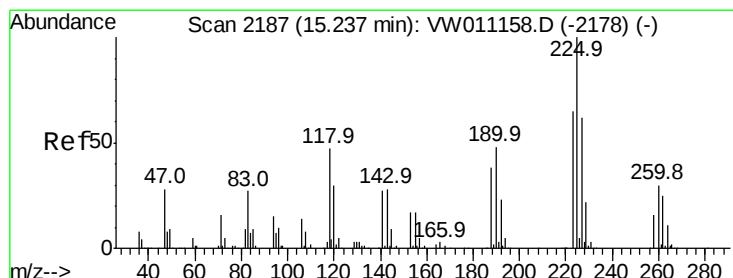
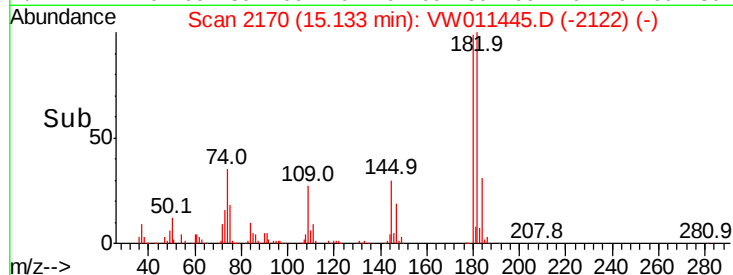
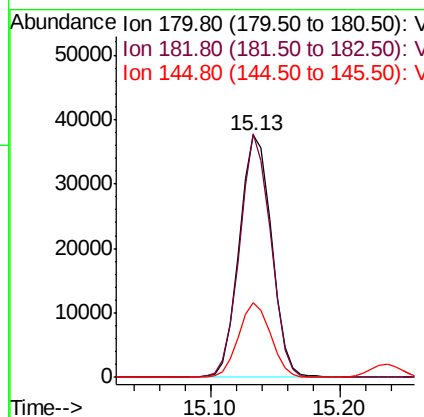
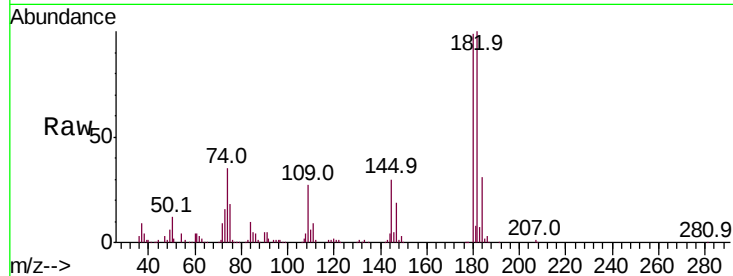
#93
 1,2,4-Trichlorobenzene
 Concen: 19.680 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011445.D
 Acq: 23 Jul 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0724SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	64902		
182	97.0	48.3	144.9	
145	30.7	15.5	46.5	

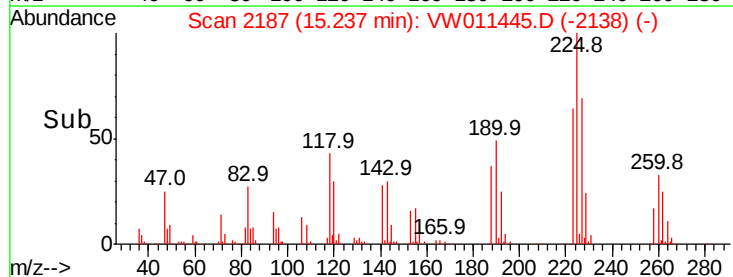
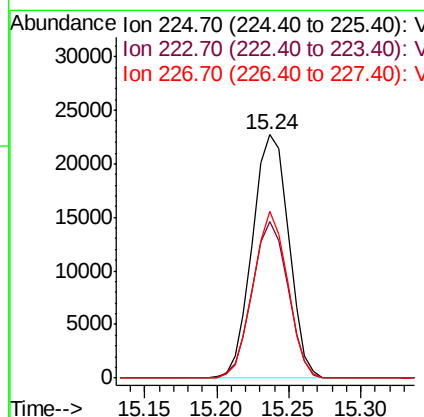
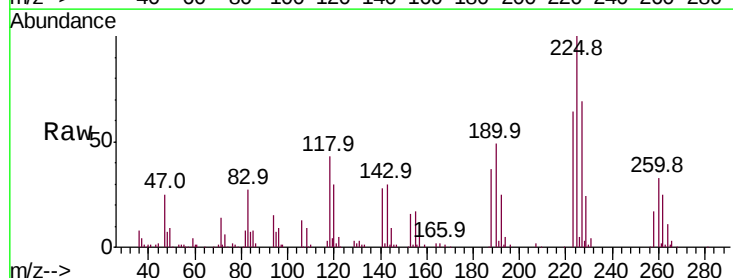
Manual Integrations
 APPROVED

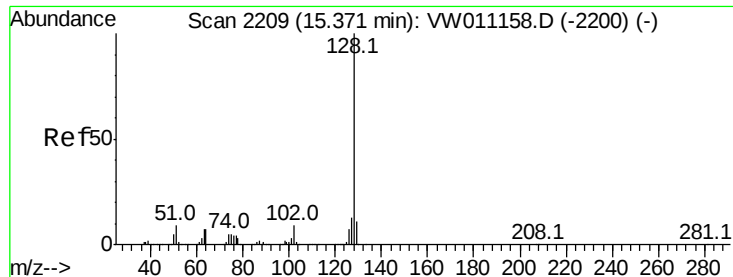
MMDadoda
 7/25/2019 3:10:52 PM



#94
 Hexachlorobutadiene
 Concen: 19.612 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011445.D
 Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39708		
223	63.3	31.6	95.0	
227	64.9	32.0	96.0	





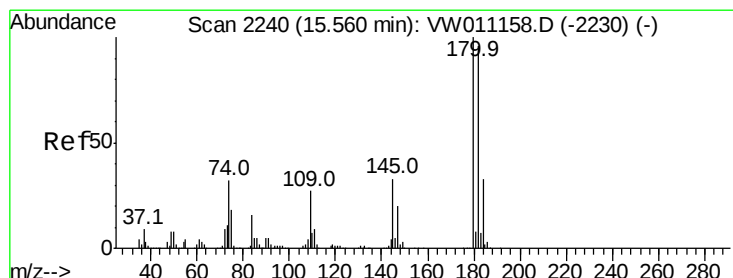
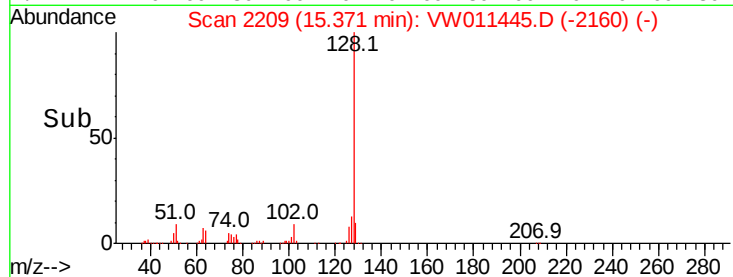
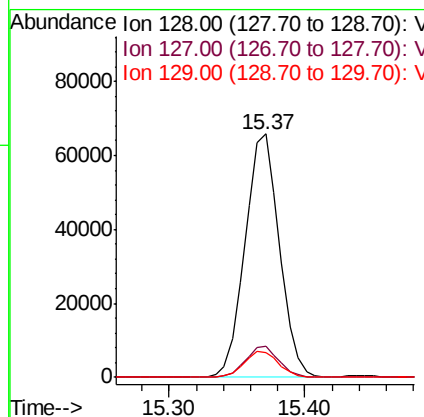
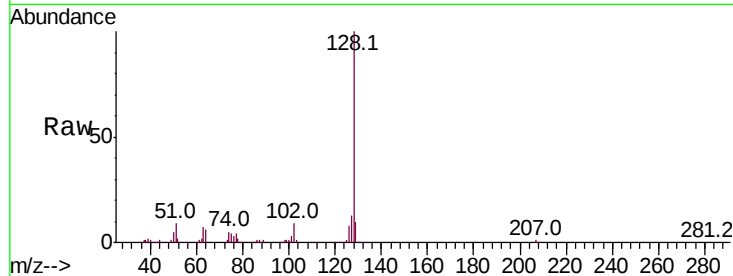
#95
Naphthalene
Concen: 18.429 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VW0724SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:10:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.710 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011445.D
Acq: 23 Jul 2019 21:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	32.0	16.5	49.5

