

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011393.D
 Acq On : 20 Jul 2019 00:25
 Operator : SY/VA
 Sample : VW0720SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 9:21:51 AM

Quant Time: Jul 20 06:40:56 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	211318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155562	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	126246	47.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.10%	
35) Dibromofluoromethane	7.88	113	100533	46.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.68%	
50) Toluene-d8	10.32	98	402091	46.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.61	95	146928	46.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26156	16.596	ug/l	96
3) Chloromethane	2.21	50	43564	21.452	ug/l	95
4) Vinyl Chloride	2.35	62	49388	18.581	ug/l	98
5) Bromomethane	2.76	94	25694	19.237	ug/l	97
6) Chloroethane	2.92	64	27574	19.260	ug/l	94
7) Trichlorofluoromethane	3.25	101	18914	20.030	ug/l	96
8) Diethyl Ether	3.68	74	26329	20.152	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41957	18.550	ug/l	98
10) Methyl Iodide	4.26	142	61210	19.677	ug/l	98
11) Tert butyl alcohol	5.17	59	23512	119.600	ug/l	97
12) 1,1-Dichloroethene	4.03	96	44240	18.845	ug/l	92
13) Acrolein	3.89	56	11490	73.399	ug/l	100
14) Allyl chloride	4.66	41	91220	21.309	ug/l	98
15) Acrylonitrile	5.37	53	68580	103.066	ug/l	98
16) Acetone	4.12	43	63557	99.480	ug/l	99
17) Carbon Disulfide	4.38	76	128186	18.011	ug/l	100
18) Methyl Acetate	4.67	43	48615	26.082	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	74816	21.004	ug/l	96
20) Methylene Chloride	4.92	84	59651	23.667	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	49718	20.382	ug/l	89
22) Diisopropyl ether	6.31	45	191530	20.802	ug/l	99
23) Vinyl Acetate	6.25	43	532240	93.406	ug/l	100
24) 1,1-Dichloroethane	6.21	63	100191	20.723	ug/l	100
25) 2-Butanone	7.16	43	100204	99.915	ug/l	98
26) 2,2-Dichloropropane	7.16	77	51003	20.294	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	54810	20.830	ug/l	99
28) Bromochloromethane	7.51	49	44098	20.059	ug/l	99
29) Tetrahydrofuran	7.53	42	66224	100.705	ug/l	99
30) Chloroform	7.67	83	92029	20.553	ug/l	96
31) Cyclohexane	7.95	56	94646	18.401	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	68072	19.986	ug/l	100
36) 1,1-Dichloropropene	8.08	75	73370	19.135	ug/l	99
37) Ethyl Acetate	7.25	43	47103	20.445	ug/l	99
38) Carbon Tetrachloride	8.07	117	60545	18.626	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82363	17.722	ug/l	98
40) Benzene	8.32	78	209889	19.807	ug/l	99
41) Methacrylonitrile	7.48	41	26407	20.041	ug/l	97
42) 1,2-Dichloroethane	8.40	62	68359	19.886	ug/l	100
43) Isopropyl Acetate	8.42	43	82719	19.018	ug/l	99
44) Trichloroethene	9.09	130	49897	19.567	ug/l	98
45) 1,2-Dichloropropane	9.37	63	56651	19.742	ug/l	96
46) Dibromomethane	9.46	93	26772	19.861	ug/l	98
47) Bromodichloromethane	9.65	83	67692	19.626	ug/l	100
48) Methyl methacrylate	9.43	41	39509	18.880	ug/l	98
49) 1,4-Dioxane	9.45	88	8613	382.793	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	220096	96.868	ug/l	99
52) Toluene	10.38	92	126393	19.662	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	66659	18.157	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	78597	18.188	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37380	19.547	ug/l	97
56) Ethyl methacrylate	10.65	69	54468	18.708	ug/l	98
57) 1,3-Dichloropropane	10.93	76	71230	19.697	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	134306	99.503	ug/l	99
59) 2-Hexanone	10.97	43	146152	92.753	ug/l	99
60) Dibromochloromethane	11.13	129	40525	19.325	ug/l	98
61) 1,2-Dibromoethane	11.23	107	35277	19.475	ug/l	99
64) Tetrachloroethene	10.86	164	45196	21.040	ug/l	97
65) Chlorobenzene	11.66	112	127411	19.686	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44172	19.383	ug/l	99
67) Ethyl Benzene	11.73	91	238709	19.266	ug/l	100
68) m/p-Xylenes	11.84	106	176602	39.391	ug/l	99
69) o-Xylene	12.16	106	82466	19.516	ug/l	100
70) Styrene	12.18	104	144263	19.782	ug/l	100
71) Bromoform	12.35	173	22434	18.515	ug/l #	98
73) Isopropylbenzene	12.46	105	225192	19.365	ug/l	99
74) N-amyl acetate	12.27	43	73486	18.145	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	46576	19.539	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	38567m	21.453	ug/l	
77) Bromobenzene	12.75	156	51024	19.552	ug/l	98
78) n-propylbenzene	12.80	91	278566	19.446	ug/l	100
79) 2-Chlorotoluene	12.89	91	160579	19.480	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	193621	19.599	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11673	14.686	ug/l	97
82) 4-Chlorotoluene	12.99	91	171266	19.947	ug/l	100
83) tert-Butylbenzene	13.21	119	159792	19.394	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	194995	19.657	ug/l	100
85) sec-Butylbenzene	13.38	105	225953	19.005	ug/l	100
86) p-Isopropyltoluene	13.50	119	203782	19.111	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	99364	19.789	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	99451	19.669	ug/l	98
89) n-Butylbenzene	13.82	91	201979	18.988	ug/l	99
90) Hexachloroethane	14.10	117	36064	18.508	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	89827	19.720	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7664	18.126	ug/l	99

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ClientSampleId :
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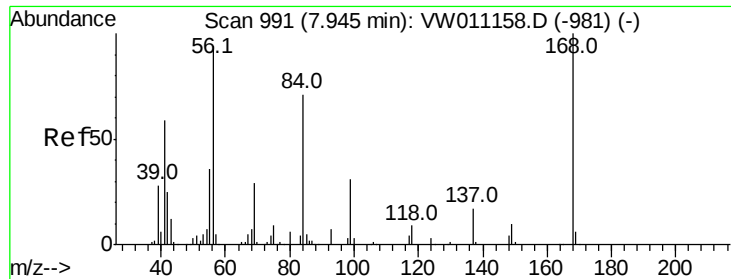
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61309	19.541	ug/l	98
94) Hexachlorobutadiene	15.24	225	37278	19.353	ug/l	99
95) Naphthalene	15.37	128	112841	18.768	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	55347	19.988	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion:168 Resp: 211318

Ion Ratio Lower Upper

168 100

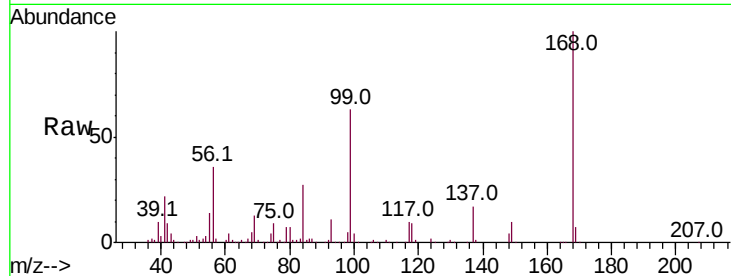
99 62.6 50.1 75.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

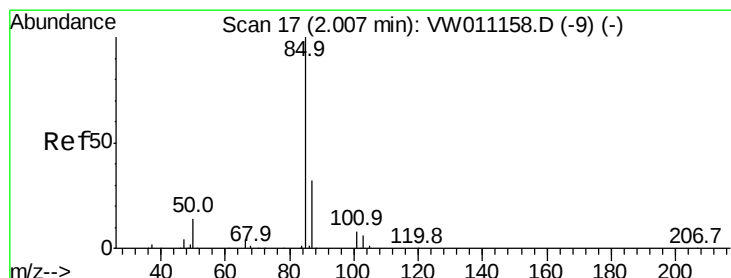
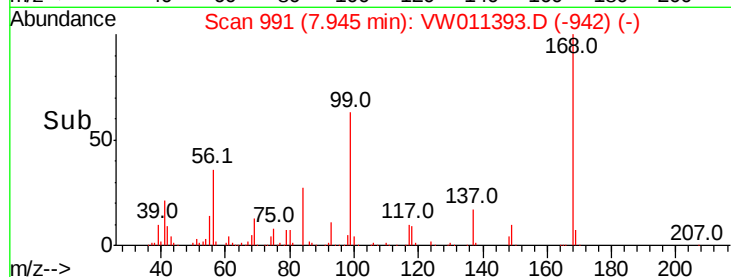
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.596 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011393.D

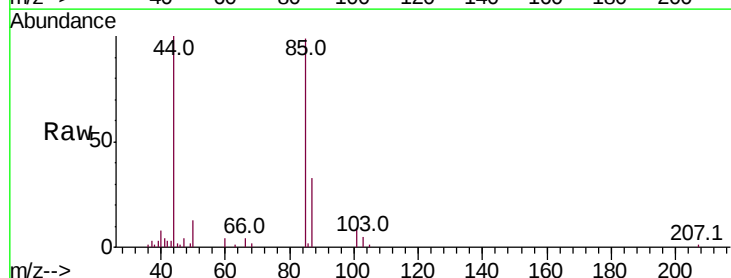
Acq: 20 Jul 2019 00:25

Tgt Ion: 85 Resp: 26156

Ion Ratio Lower Upper

85 100

87 33.8 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

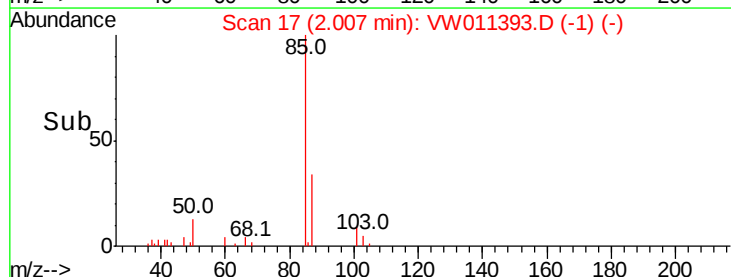
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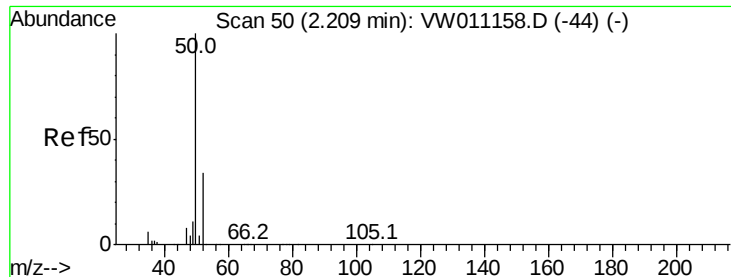
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.452 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 50 Resp: 43564

Ion Ratio Lower Upper

50 100

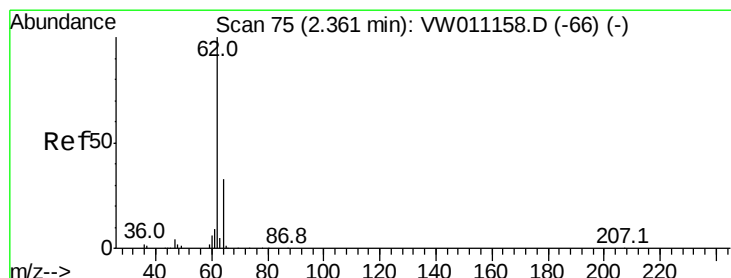
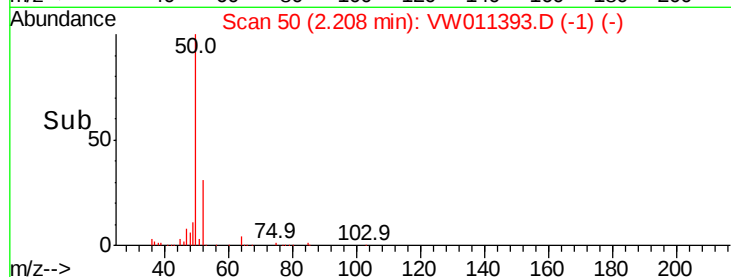
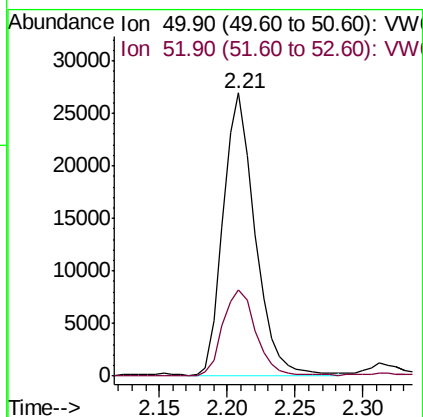
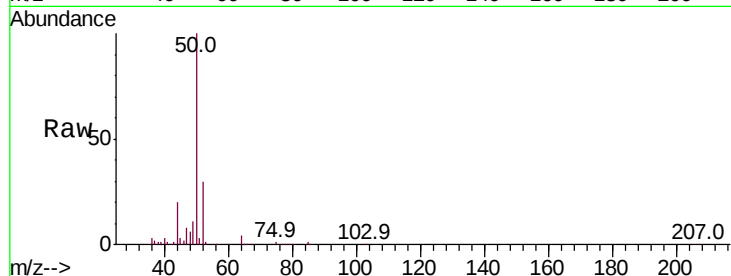
52 30.6 26.9 40.3

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7/22/2019 9:21:51 AM



#4

Vinyl Chloride

Concen: 18.581 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011393.D

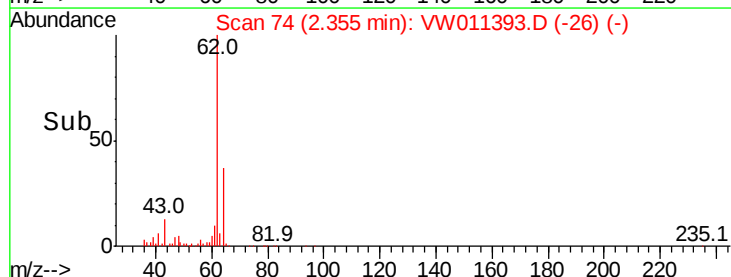
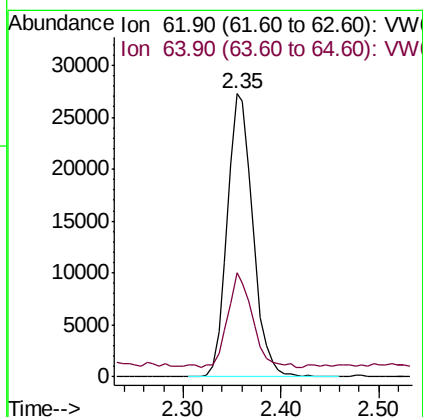
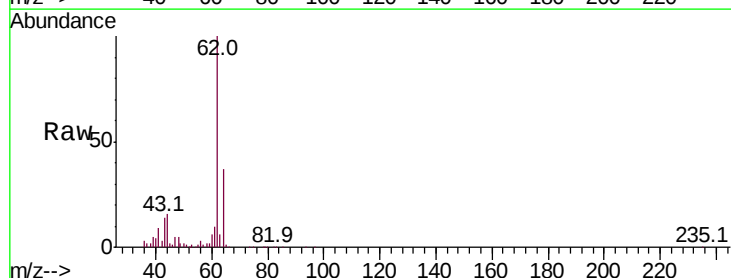
Acq: 20 Jul 2019 00:25

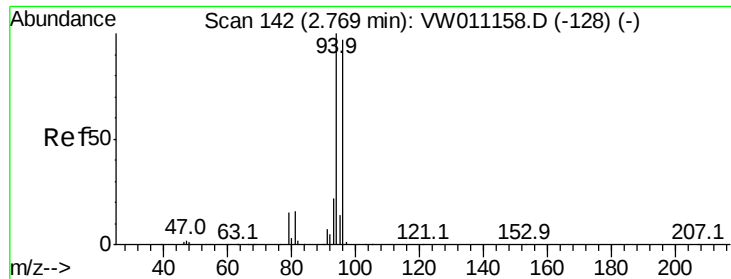
Tgt Ion: 62 Resp: 49388

Ion Ratio Lower Upper

62 100

64 32.4 26.6 40.0





#5

Bromomethane

Concen: 19.237 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 94 Resp: 25694

Ion Ratio Lower Upper

94 100

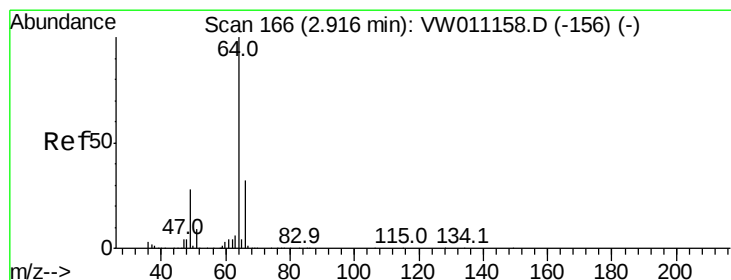
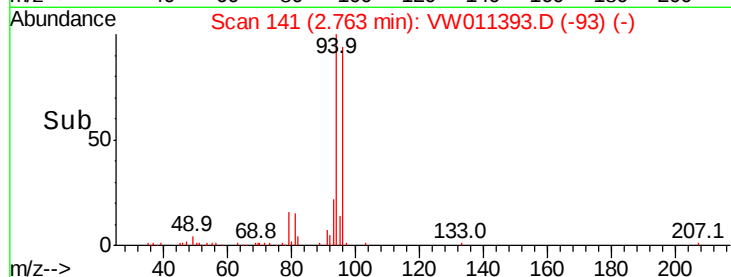
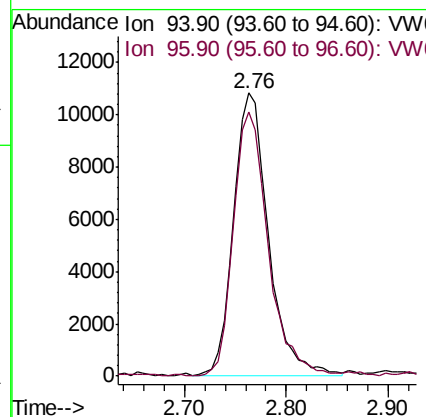
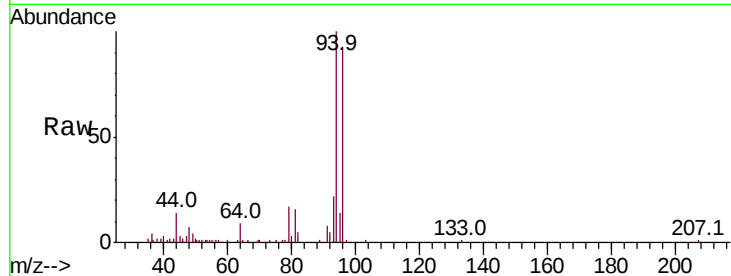
96 93.3 77.4 116.0

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#6

Chloroethane

Concen: 19.260 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011393.D

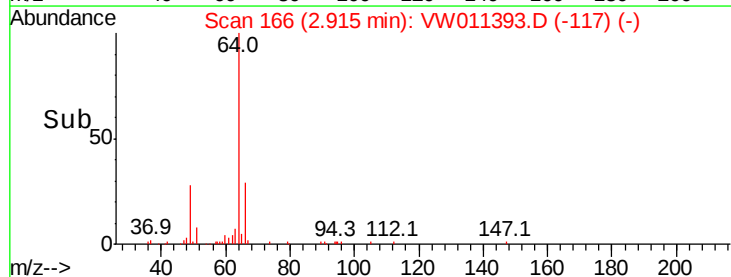
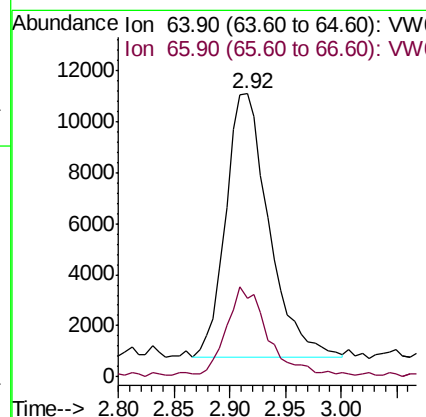
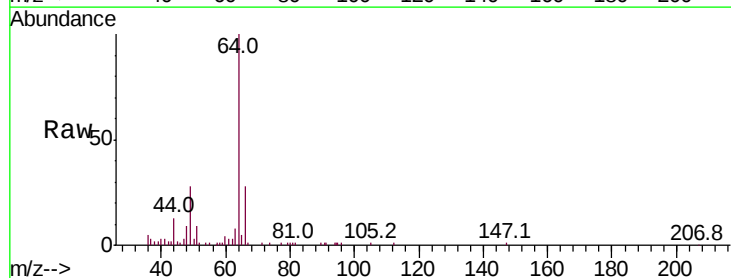
Acq: 20 Jul 2019 00:25

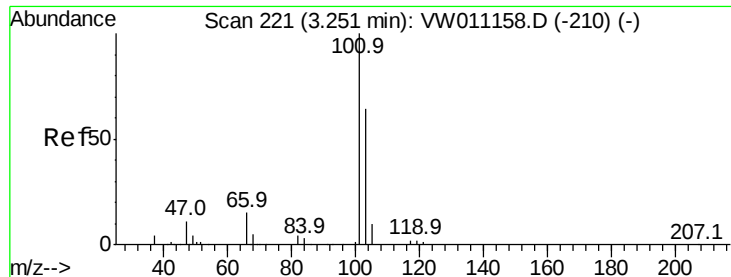
Tgt Ion: 64 Resp: 27574

Ion Ratio Lower Upper

64 100

66 28.9 25.8 38.8





#7

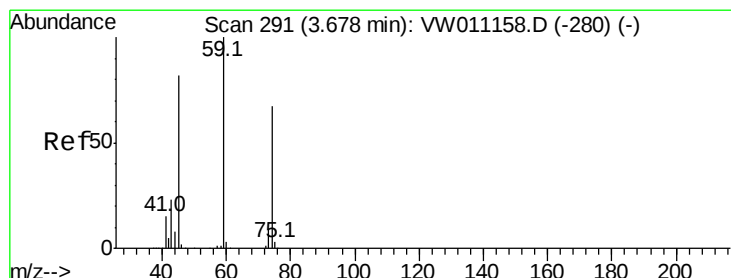
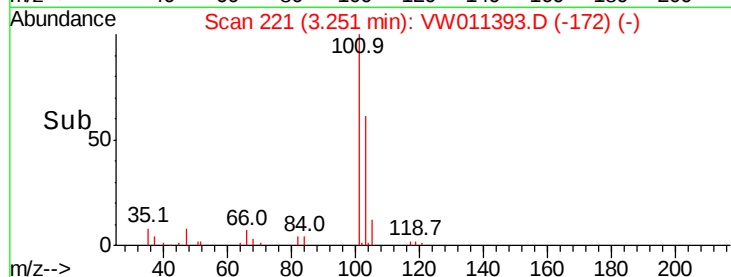
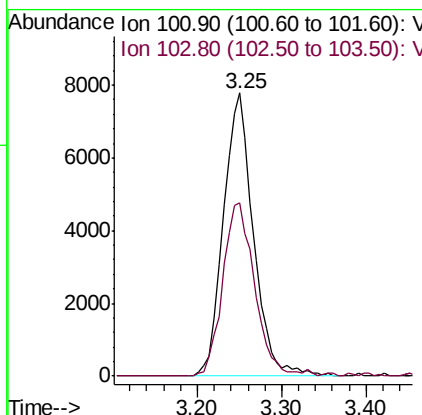
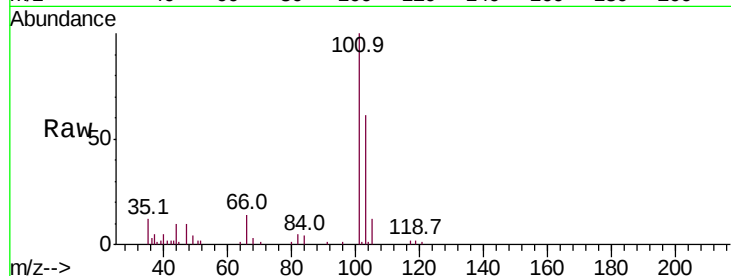
Trichlorofluoromethane
Concen: 20.030 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

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MSVOA_W
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VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	18914		
103	61.4	51.3	76.9	

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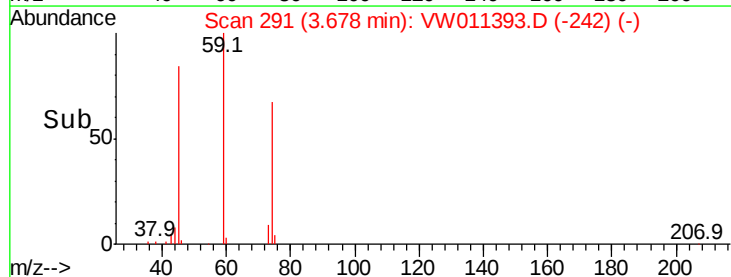
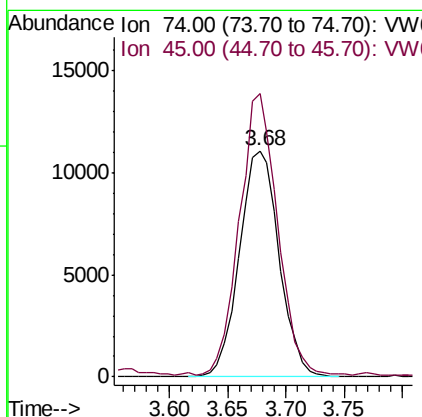
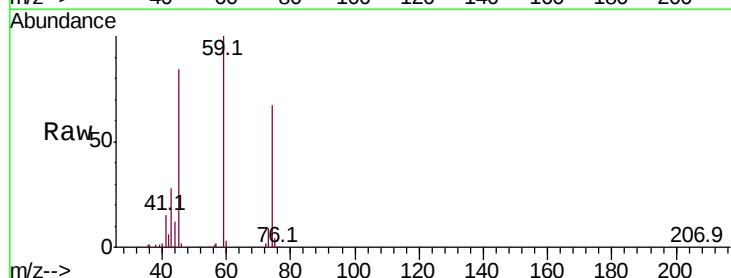
MMDadoda
7/22/2019 9:21:51 AM

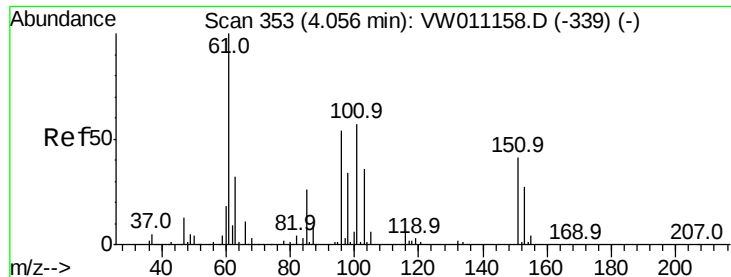


#8

Diethyl Ether
Concen: 20.152 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	26329		
45	120.4	59.9	179.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.550 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

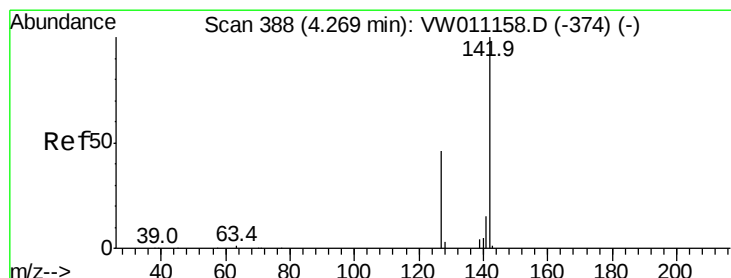
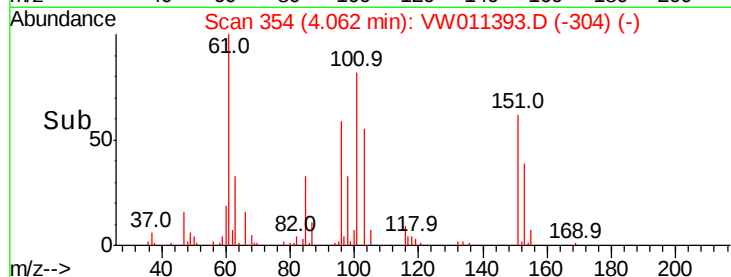
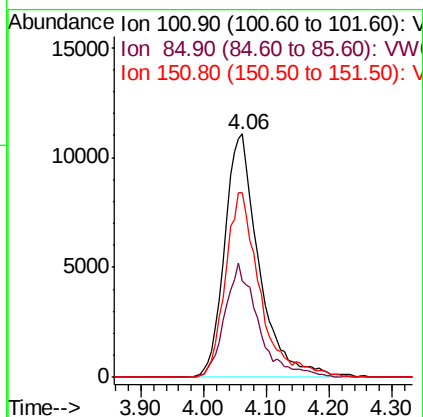
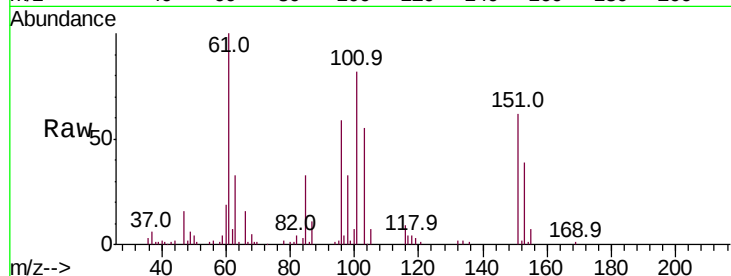
ClientSampleId :

VW0720SBSD01

Tot Ion:	101	Resp:	41957
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.5	54.7
151	76.4	59.1	88.7

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#10

Methyl Iodide

Concen: 19.677 ug/l

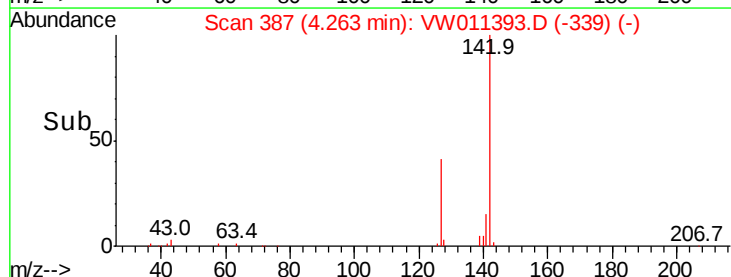
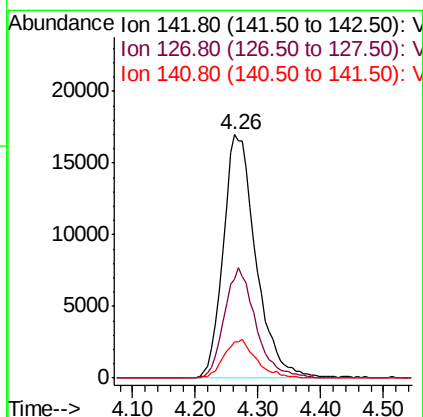
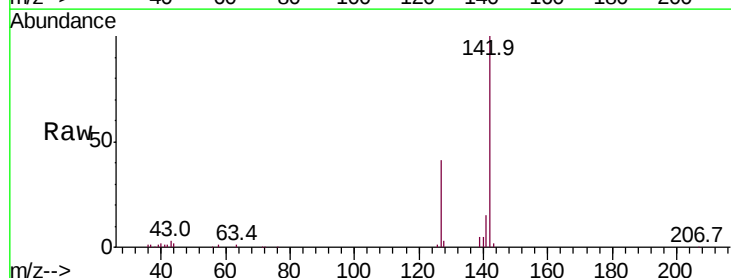
RT: 4.26 min Scan# 387

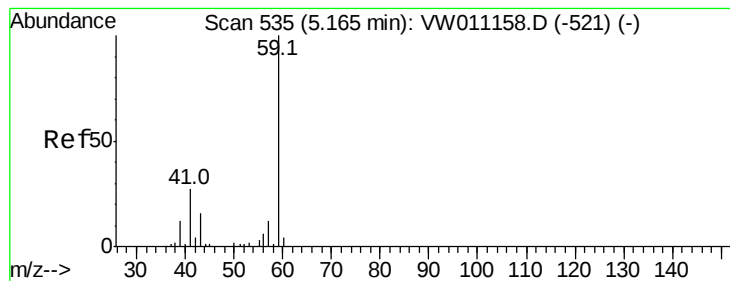
Delta R.T. -0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Tgt Ion:	142	Resp:	61210
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.7	53.5
141	15.4	11.5	17.3





#11

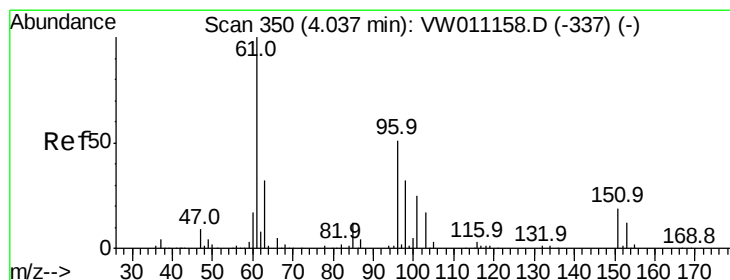
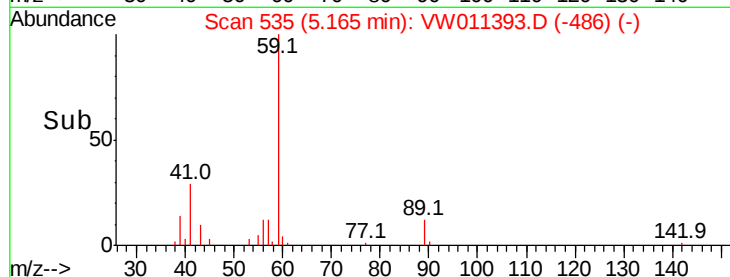
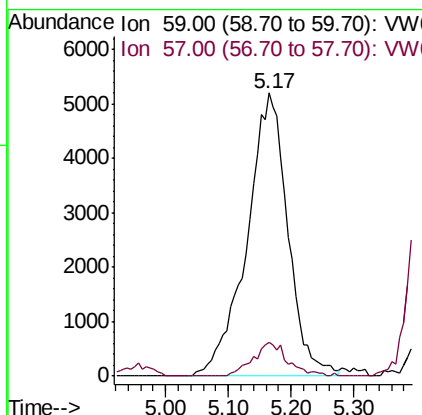
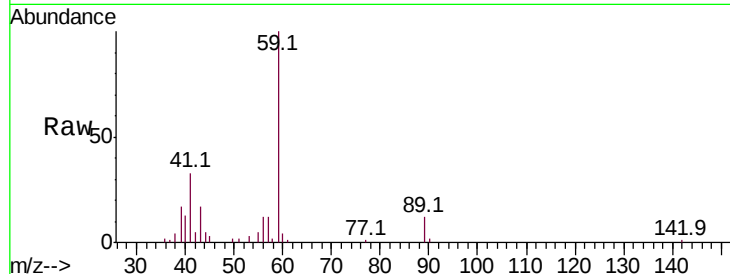
Tert butyl alcohol
Concen: 119.600 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	9.0	13.6

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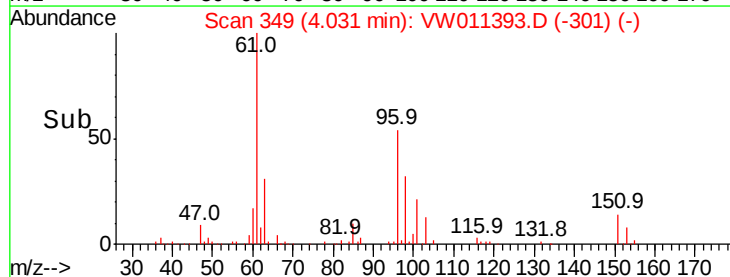
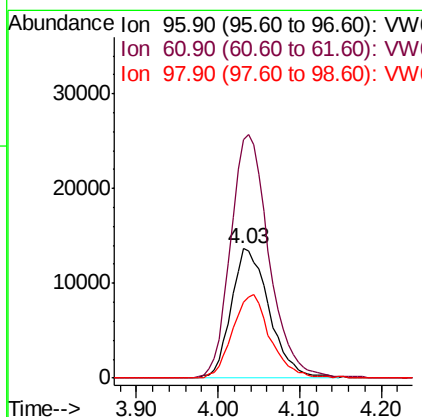
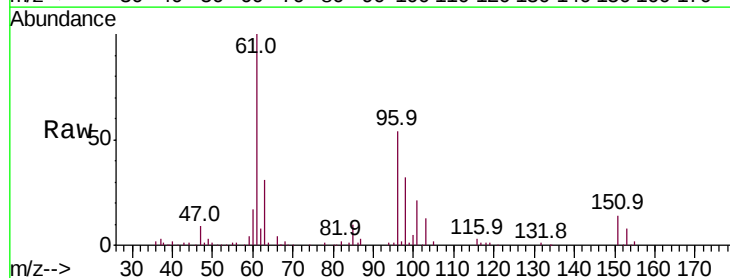
MMDadoda
7/22/2019 9:21:51 AM

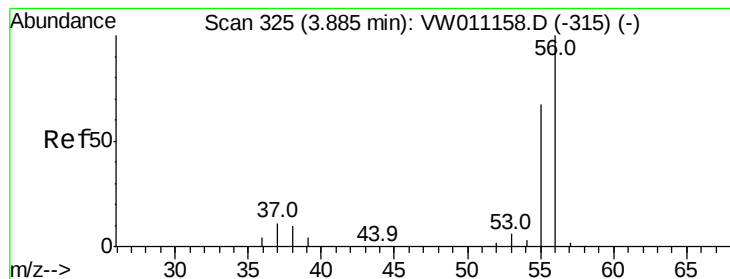


#12

1,1-Dichloroethene
Concen: 18.845 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.2	157.7	236.5
98	59.1	50.9	76.3





#13

Acrolein

Concen: 73.399 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 56 Resp: 11490

Ion Ratio Lower Upper

56 100

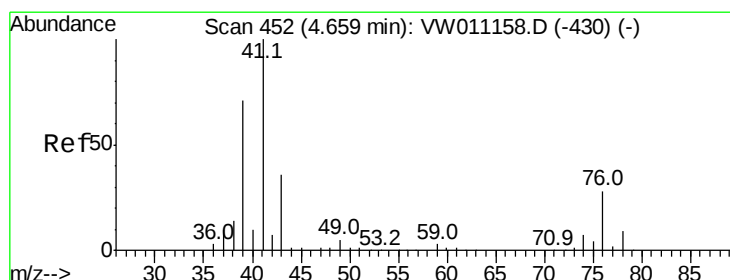
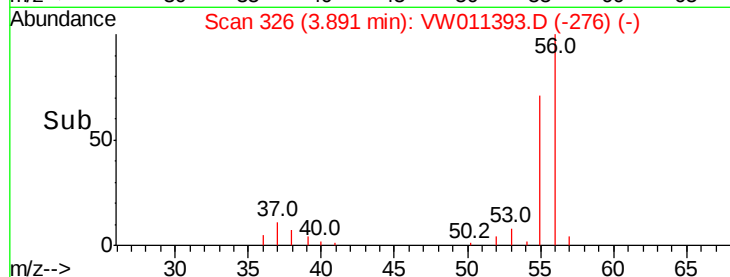
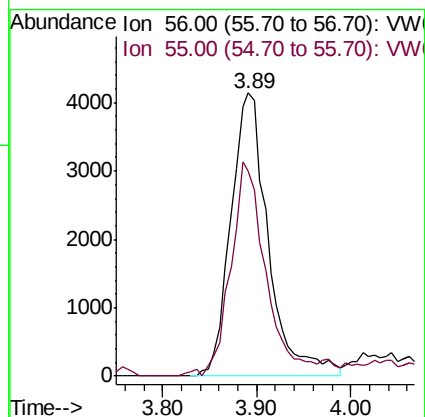
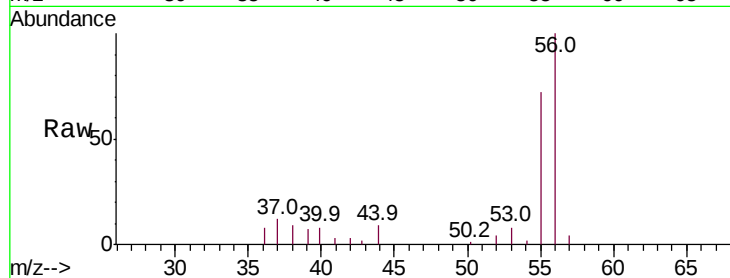
55 70.8 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 21.309 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

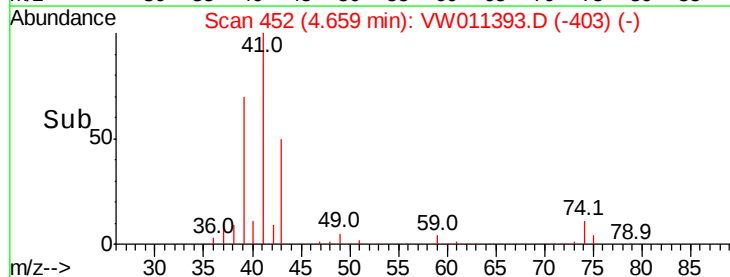
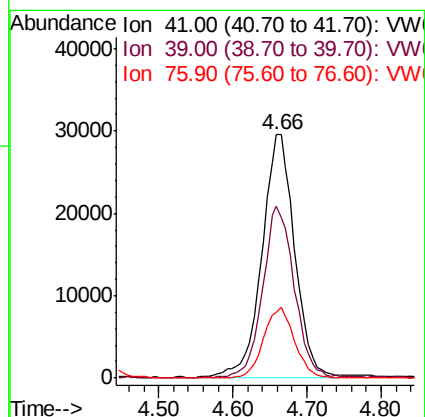
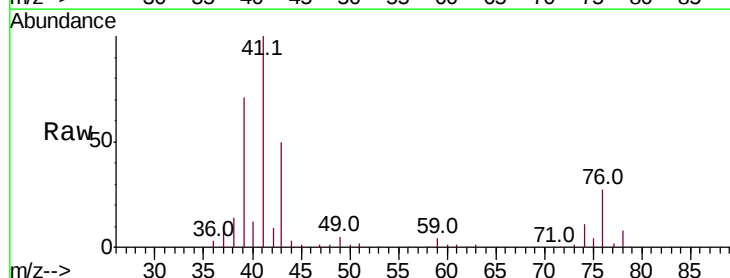
Tgt Ion: 41 Resp: 91220

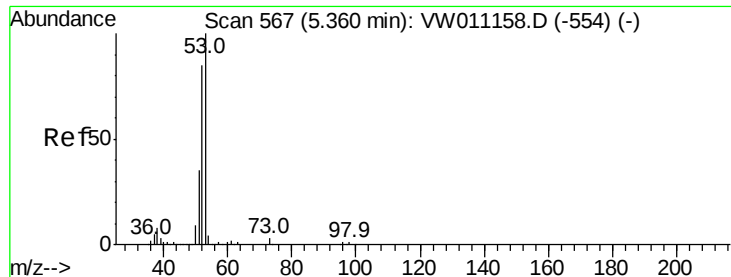
Ion Ratio Lower Upper

41 100

39 67.4 55.1 82.7

76 27.3 22.5 33.7





#15

Acrylonitrile

Concen: 103.066 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

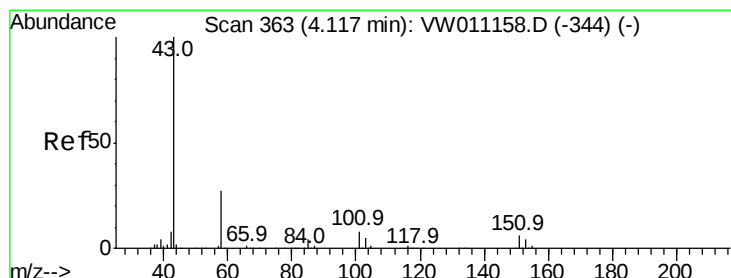
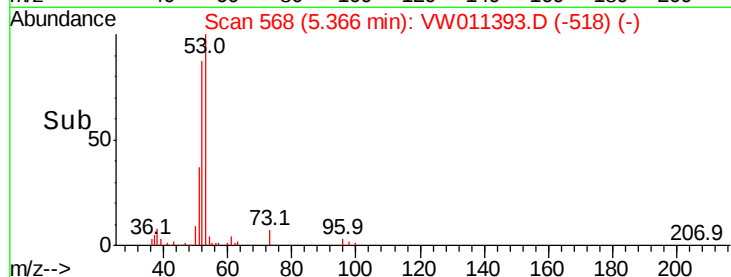
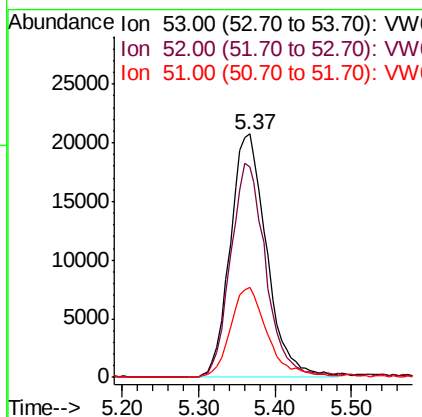
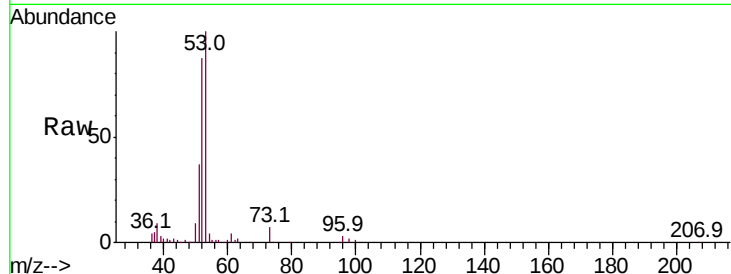
ClientSampleId :

VW0720SBS01

Tot Ion:	53	Resp:	68580
Ion Ratio	Lower	Upper	
53	100		
52	84.9	66.2	99.4
51	37.5	29.1	43.7

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#16

Acetone

Concen: 99.480 ug/l

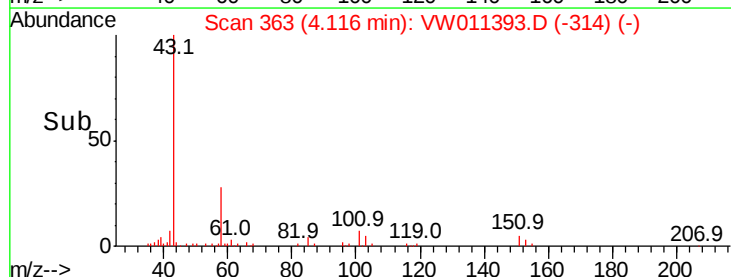
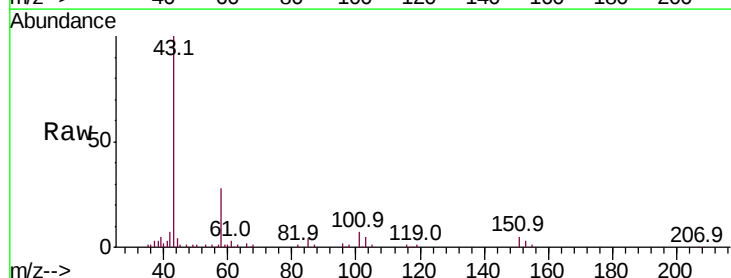
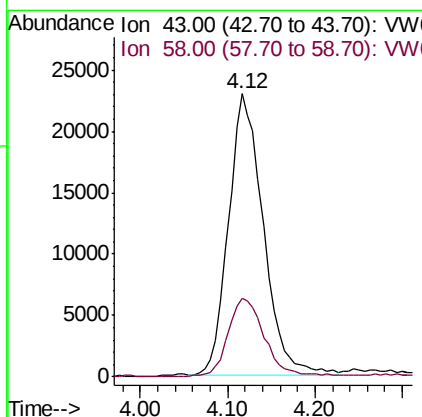
RT: 4.12 min Scan# 363

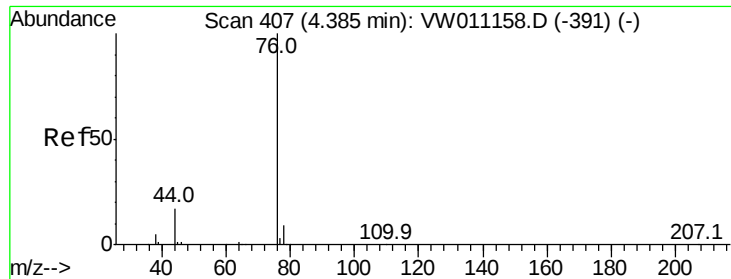
Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Tgt Ion:	43	Resp:	63557
Ion Ratio	Lower	Upper	
43	100		
58	27.5	21.8	32.6





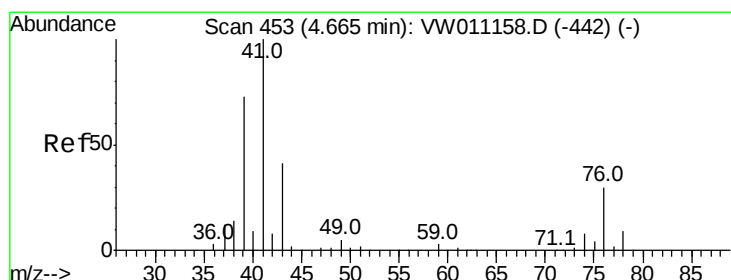
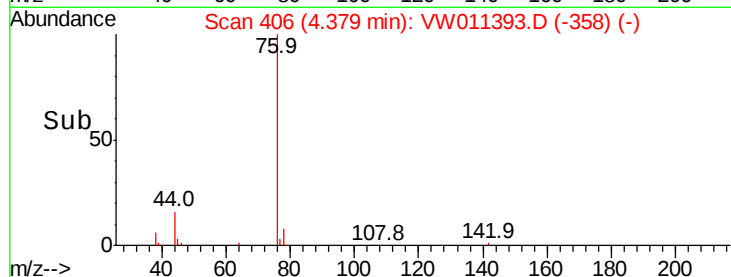
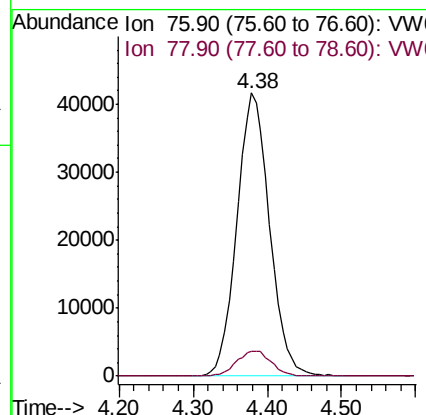
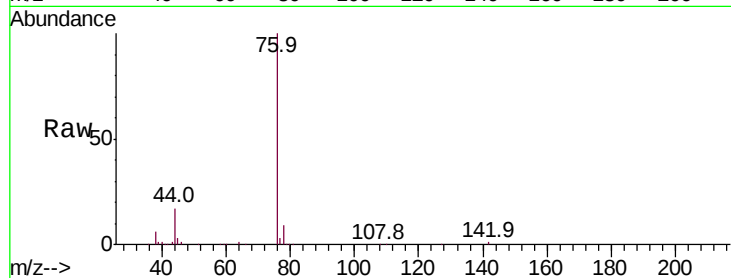
#17
Carbon Disulfide
Concen: 18.011 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

Tot Ion: 76 Resp: 128186
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

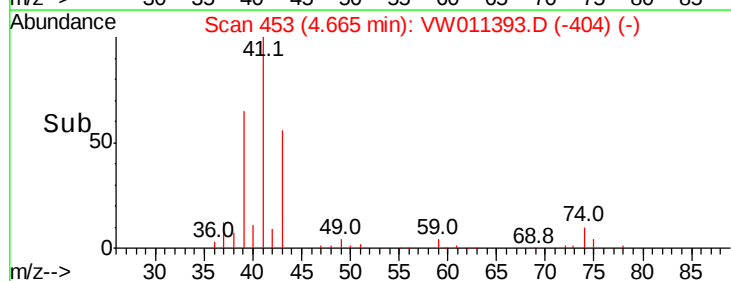
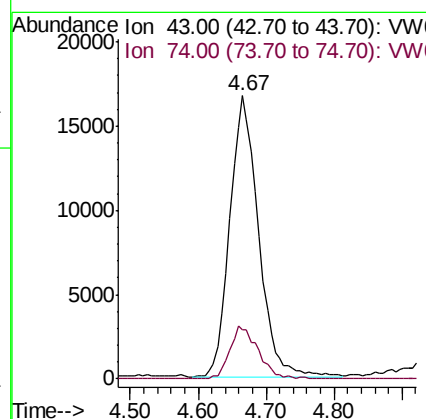
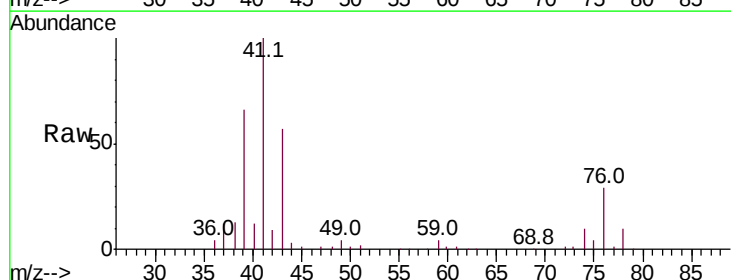
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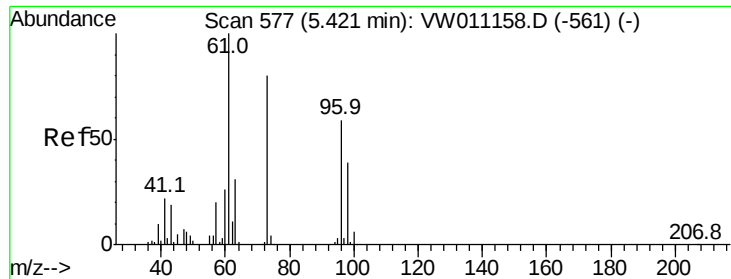
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#18
Methyl Acetate
Concen: 26.082 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion: 43 Resp: 48615
Ion Ratio Lower Upper
43 100
74 18.8 15.7 23.5





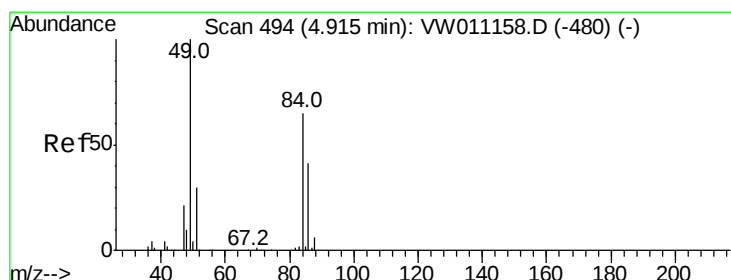
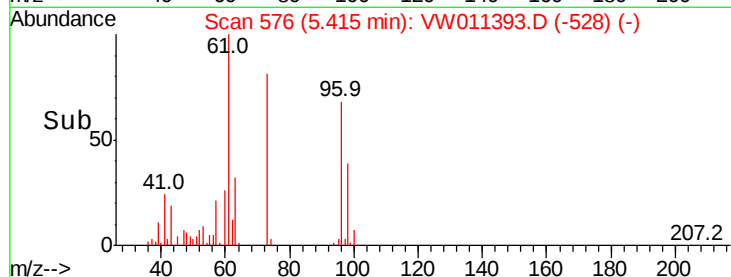
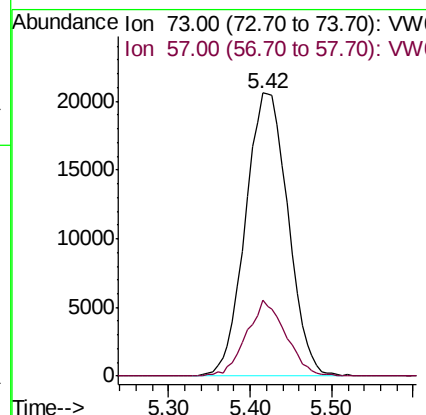
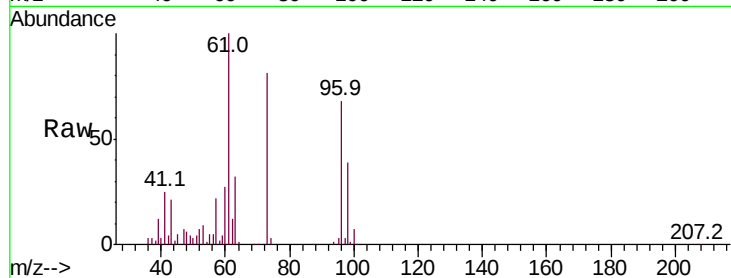
#19
Methvl tert-butvl Ether
Concen: 21.004 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion: 73 Resp: 74816
Ion Ratio Lower Upper
73 100
57 26.7 19.7 29.5

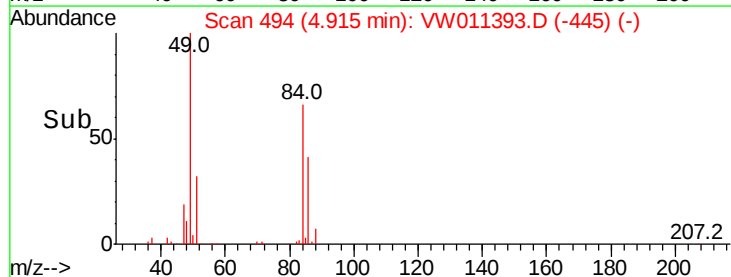
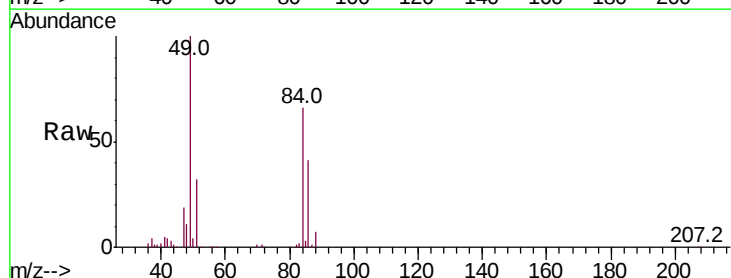
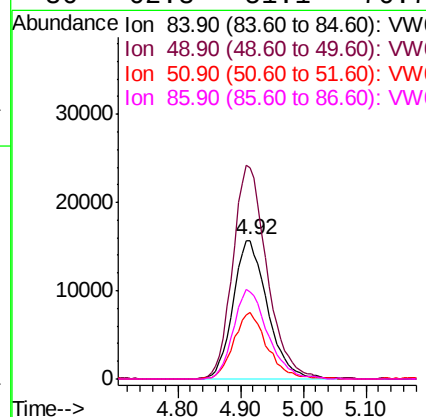
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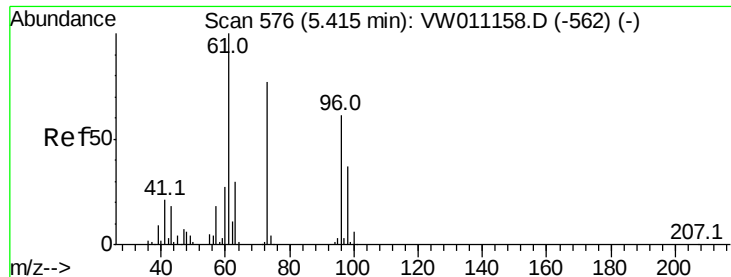
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#20
Methylene Chloride
Concen: 23.667 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion: 84 Resp: 59651
Ion Ratio Lower Upper
84 100
49 152.1 123.8 185.6
51 48.2 37.4 56.2
86 62.8 51.1 76.7





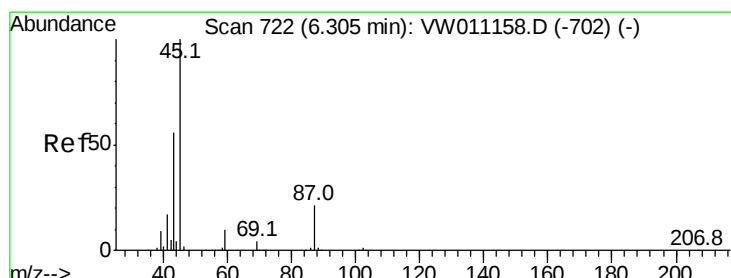
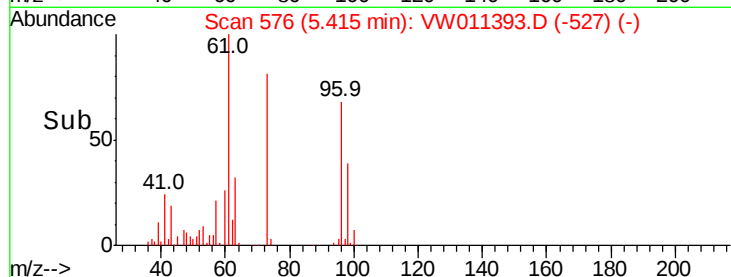
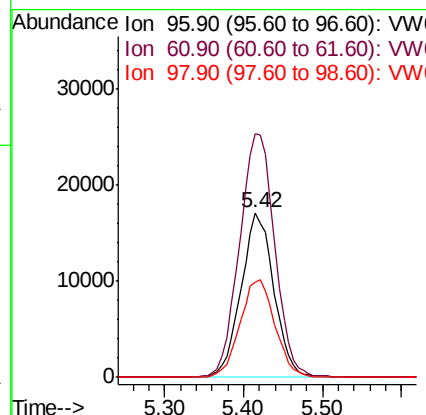
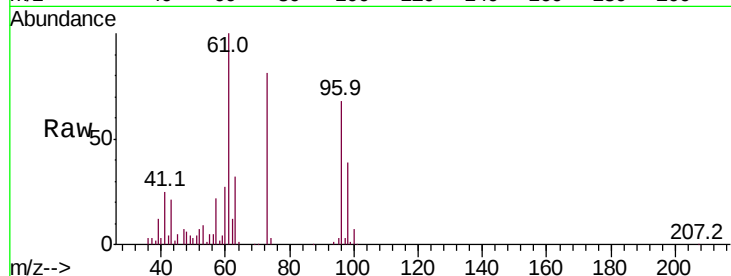
#21
trans-1,2-Dichloroethene
Concen: 20.382 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	132.2	198.2
98	57.6	49.4	74.0

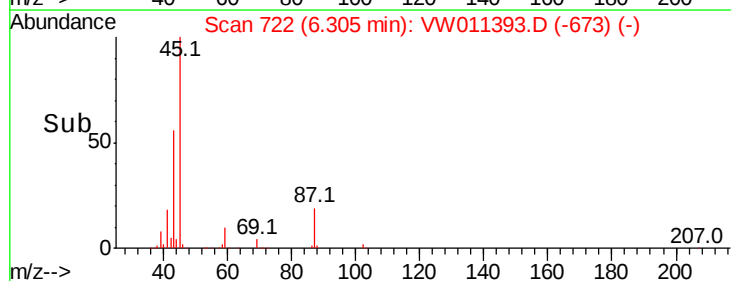
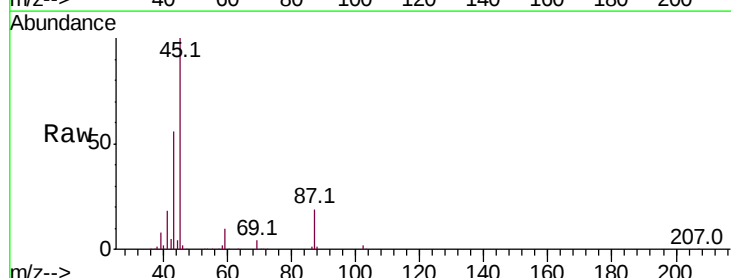
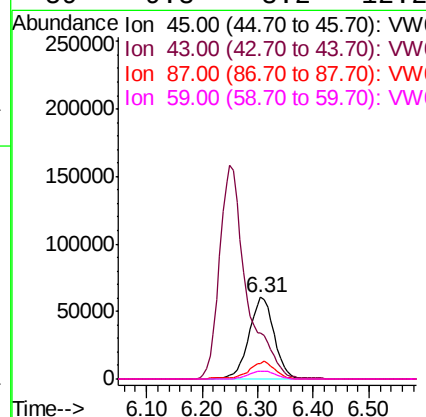
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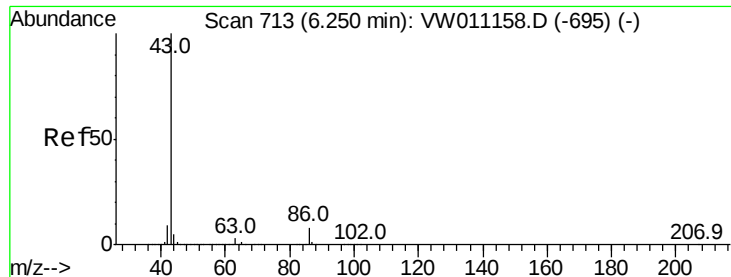
MMDadoda
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#22
Diisopropyl ether
Concen: 20.802 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.9	44.6	66.8
87	19.5	17.3	25.9
59	9.8	8.2	12.2





#23

Vinyl Acetate

Concen: 93.406 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 43 Resp: 532240

Ion Ratio Lower Upper

43 100

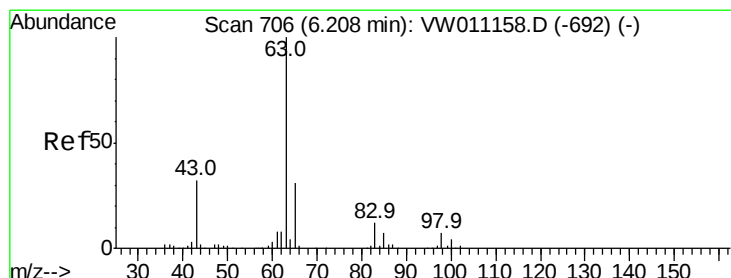
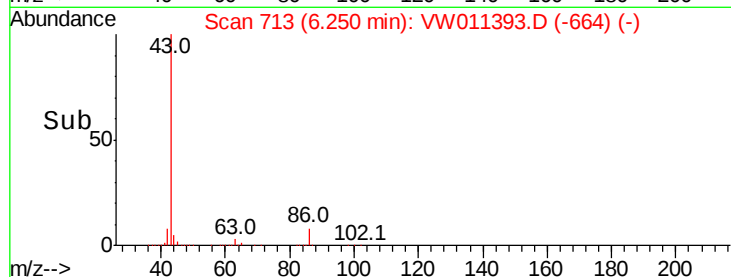
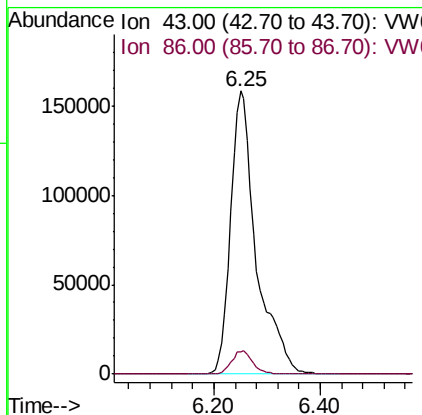
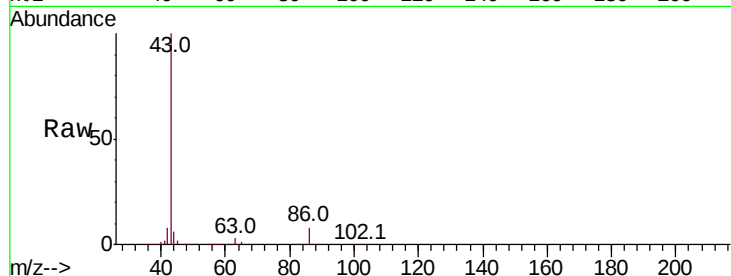
86 8.0 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 20.723 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

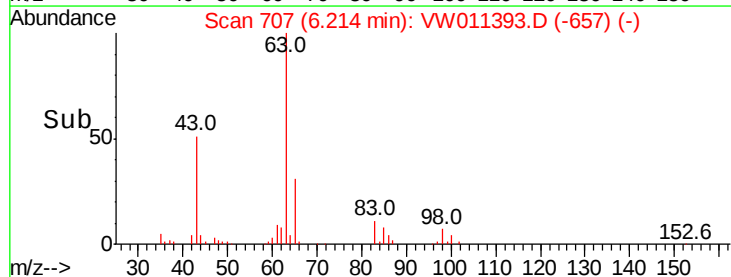
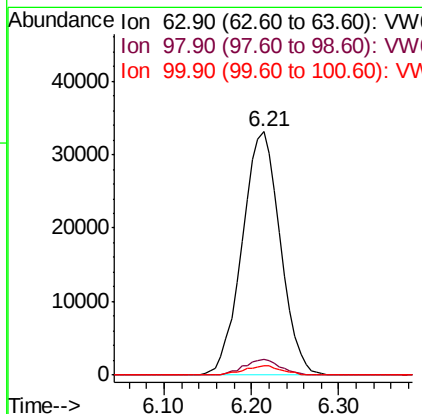
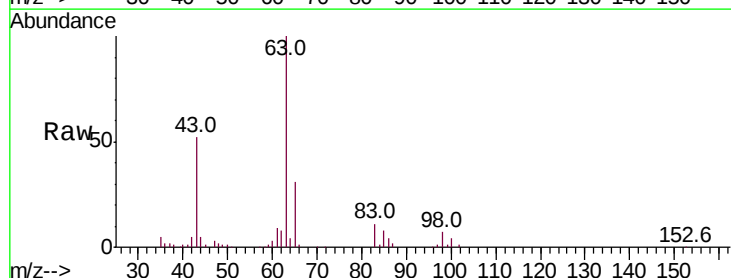
Tgt Ion: 63 Resp: 100191

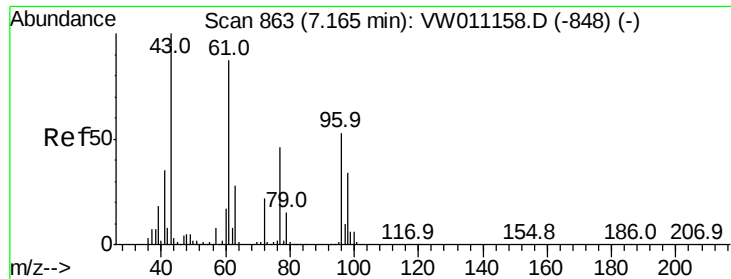
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 99.915 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 43 Resp: 100204

Ion Ratio Lower Upper

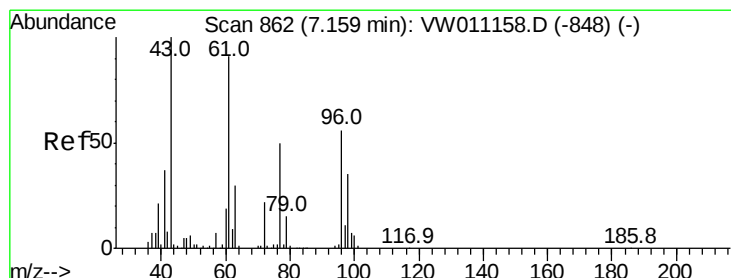
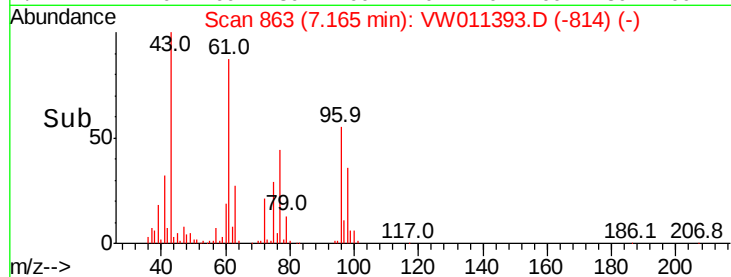
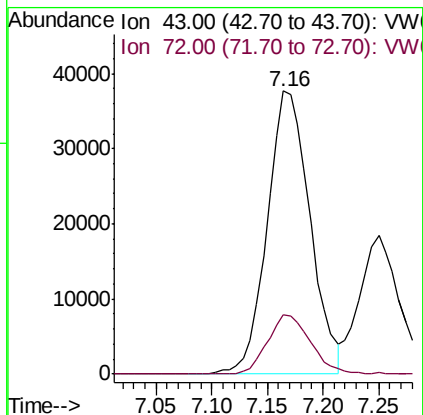
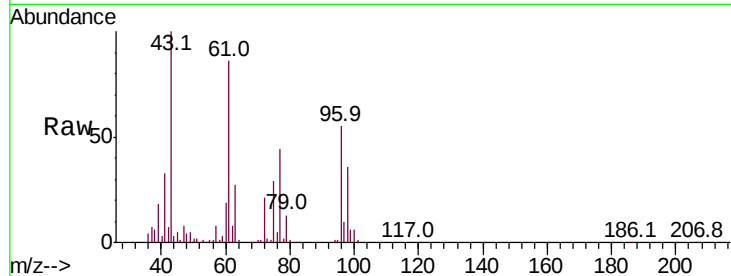
43 100

72 21.1 17.6 26.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.294 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011393.D

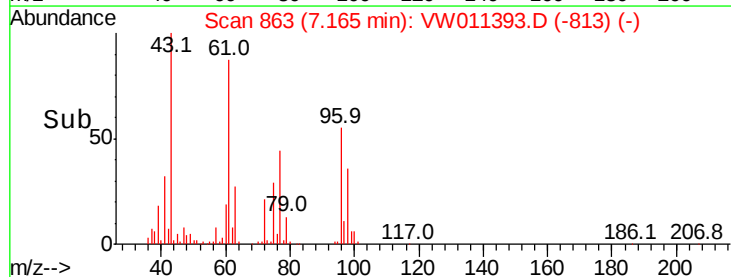
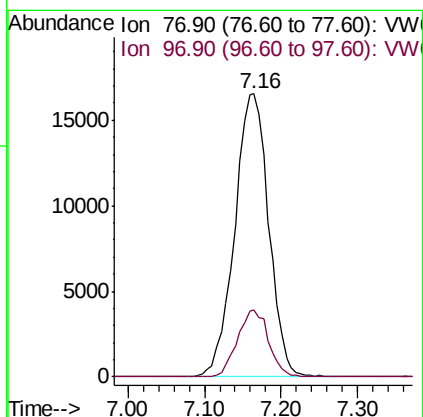
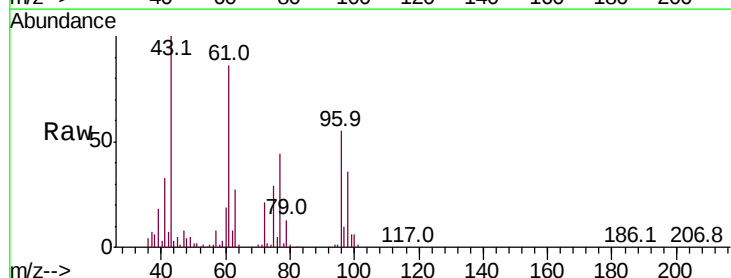
Acq: 20 Jul 2019 00:25

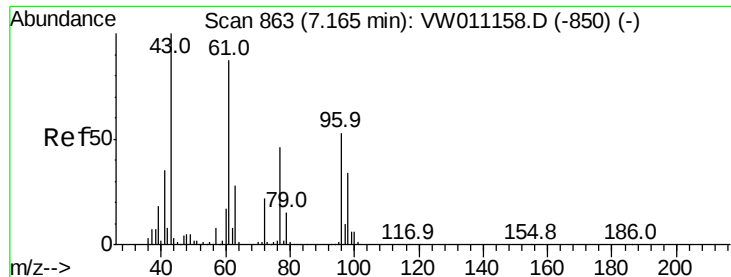
Tgt Ion: 77 Resp: 51003

Ion Ratio Lower Upper

77 100

97 21.7 11.2 33.5





#27

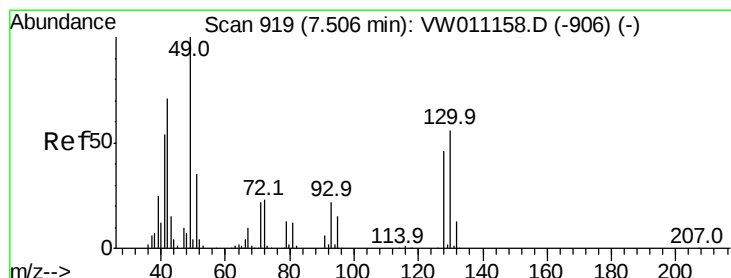
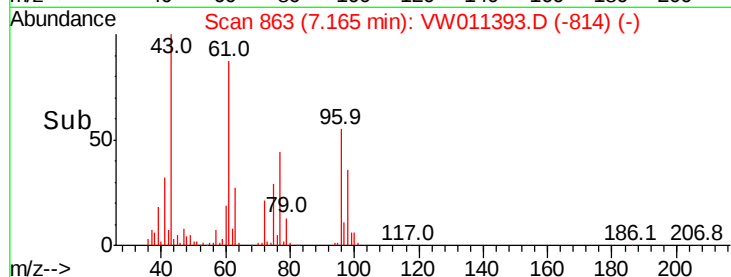
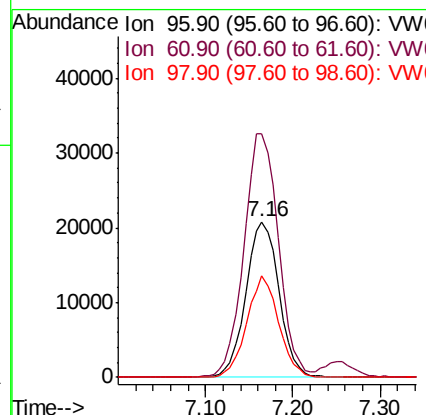
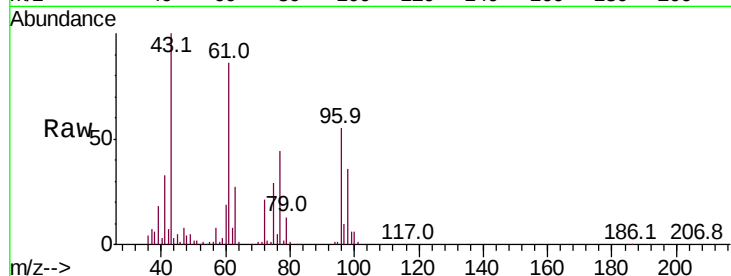
cis-1,2-Dichloroethene
Concen: 20.830 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	325.6
98	62.6	0.0	128.2

Manual Integrations
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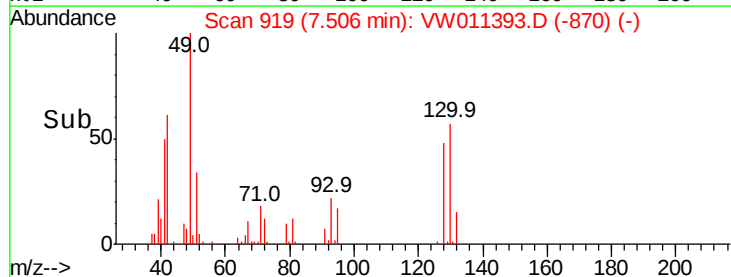
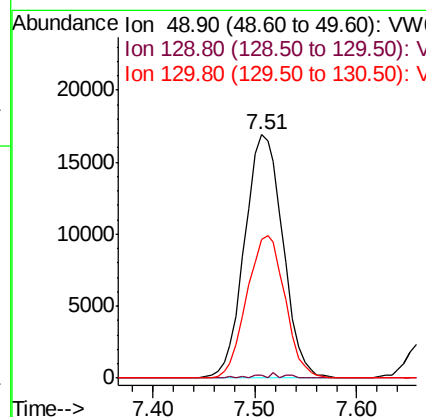
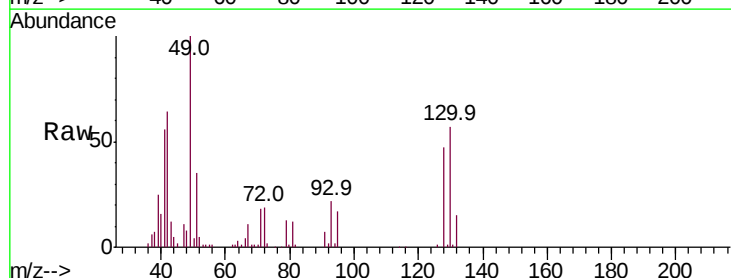
MMDadoda
7/22/2019 9:21:51 AM

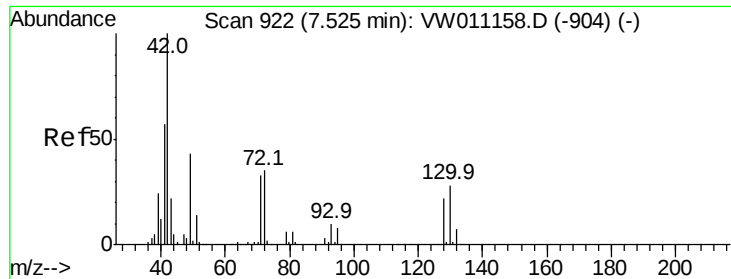


#28

Bromochloromethane
Concen: 20.059 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.4
130	58.4	45.8	68.8





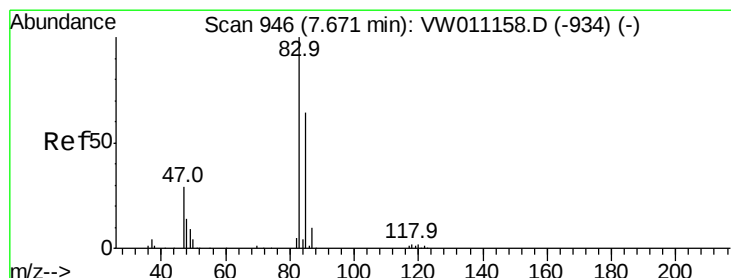
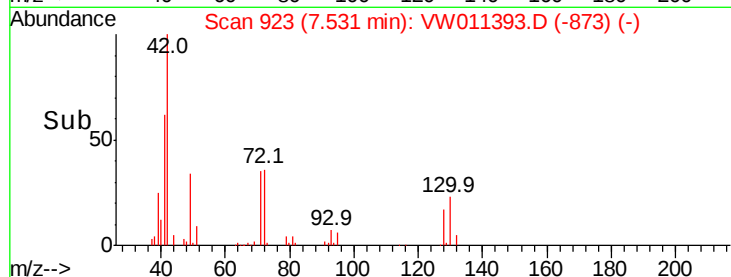
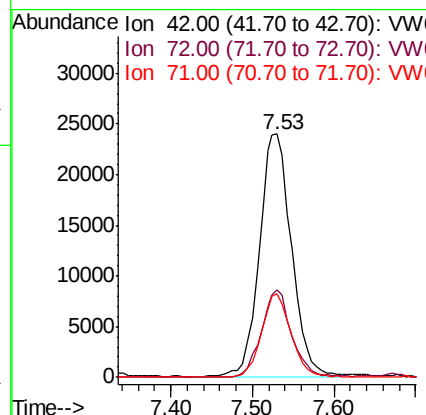
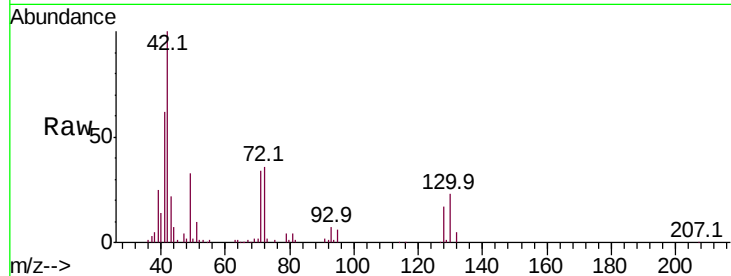
#29
Tetrahydrofuran
Concen: 100.705 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.6	27.4	41.2
71	31.5	25.9	38.9

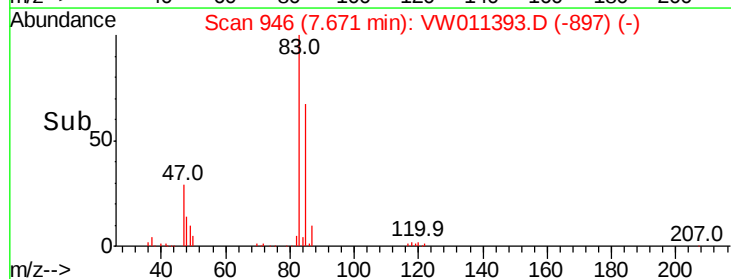
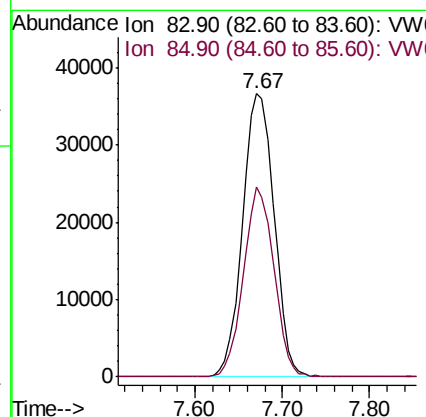
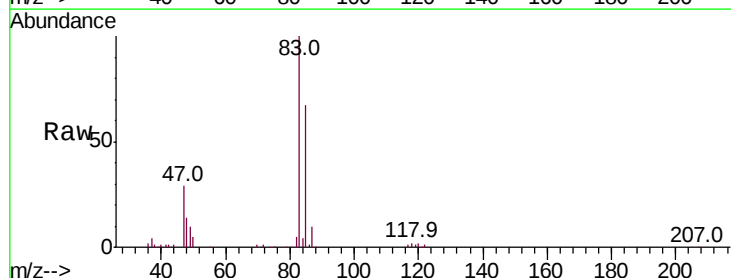
Manual Integrations
APPROVED

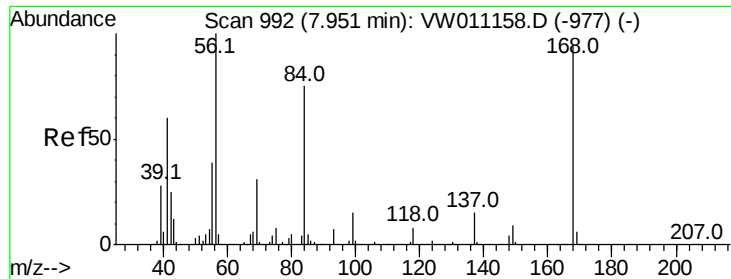
MMDadoda
7/22/2019 9:21:51 AM



#30
Chloroform
Concen: 20.553 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.4	77.2





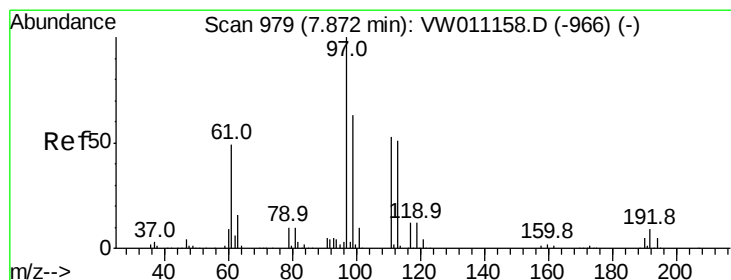
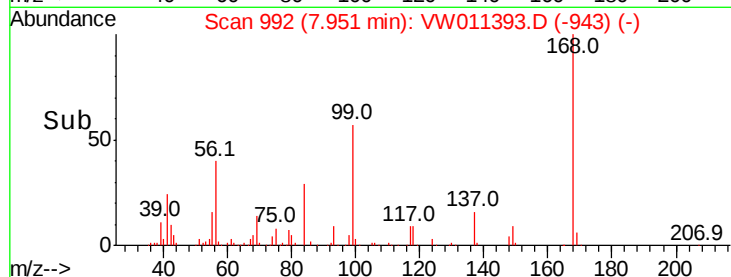
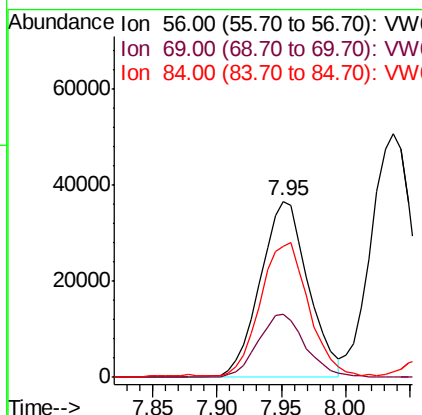
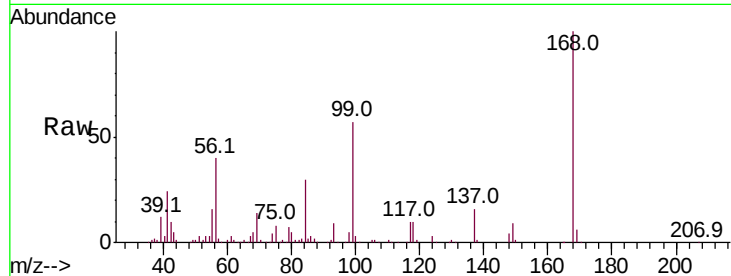
#31
Cyclohexane
Concen: 18.401 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	24.6	36.8
84	72.9	60.1	90.1

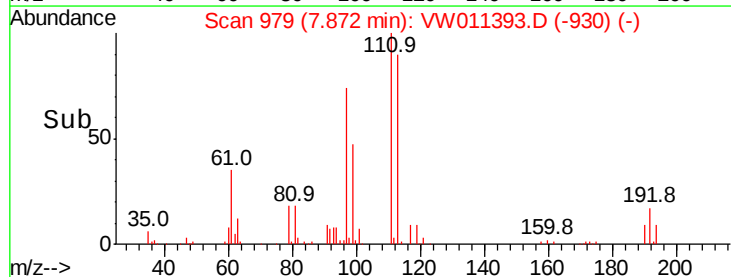
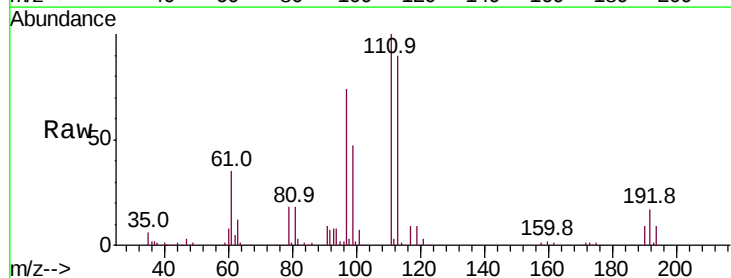
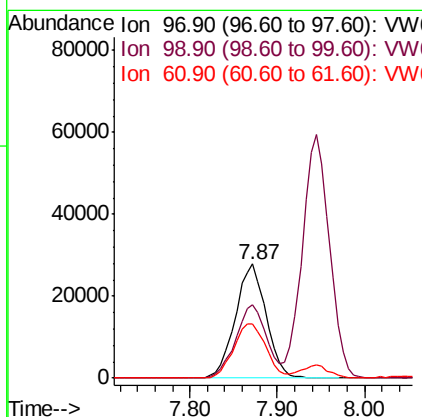
Manual Integrations
APPROVED

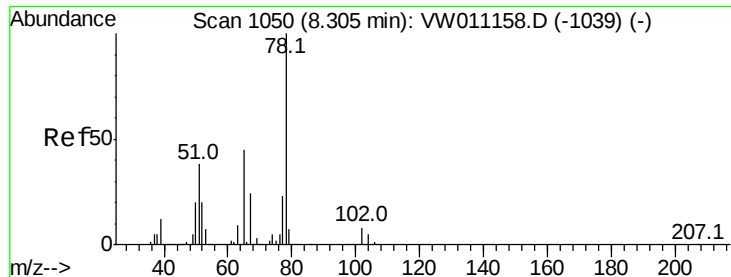
MMDadoda
7/22/2019 9:21:51 AM



#32
1,1,1-Trichloroethane
Concen: 19.986 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	50.0	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 47.545 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 65 Resp: 126246

Ion Ratio Lower Upper

65 100

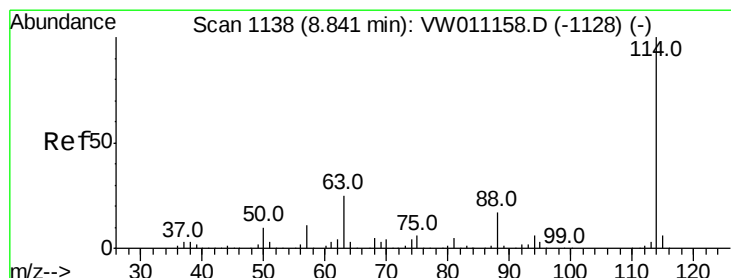
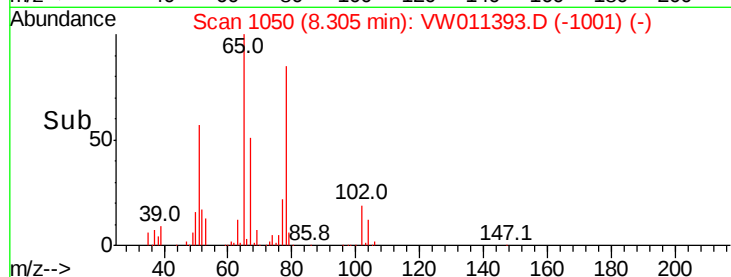
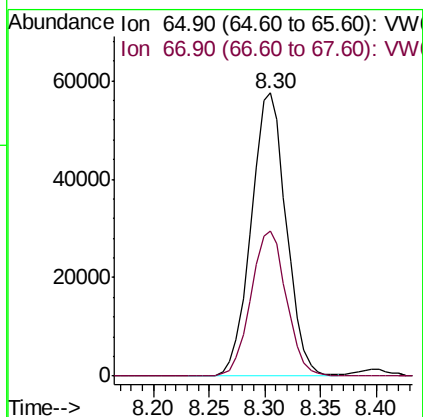
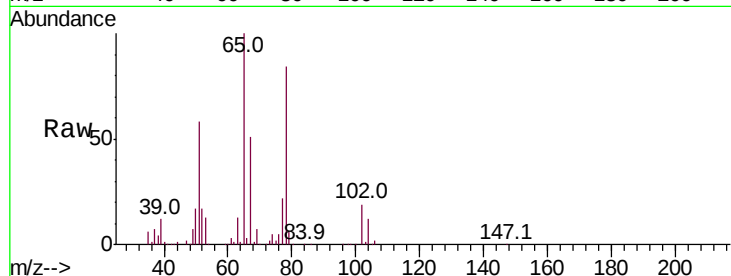
67 51.8 0.0 104.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

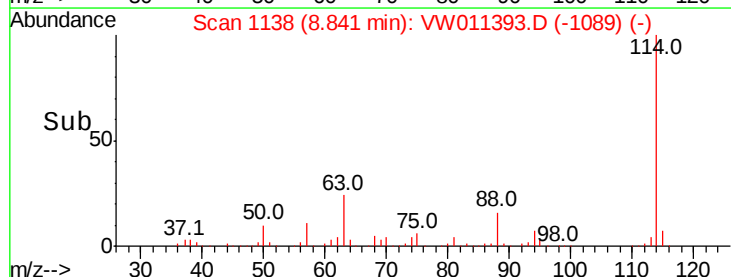
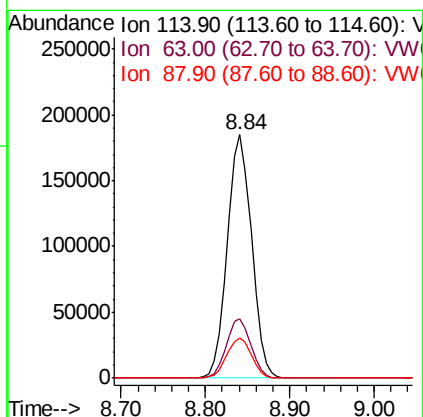
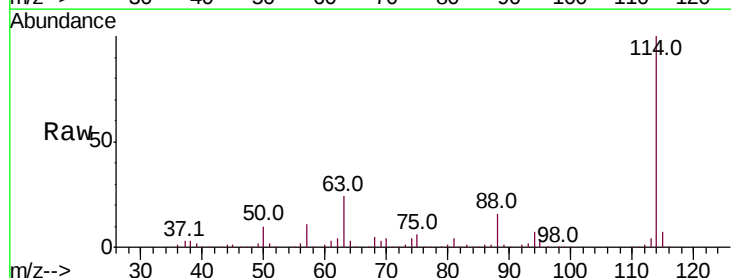
Tgt Ion: 114 Resp: 360073

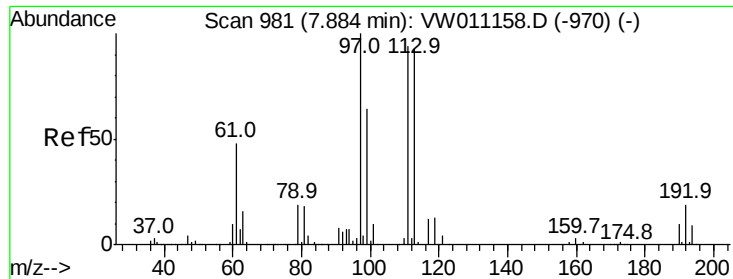
Ion Ratio Lower Upper

114 100

63 24.4 0.0 50.8

88 16.3 0.0 34.2





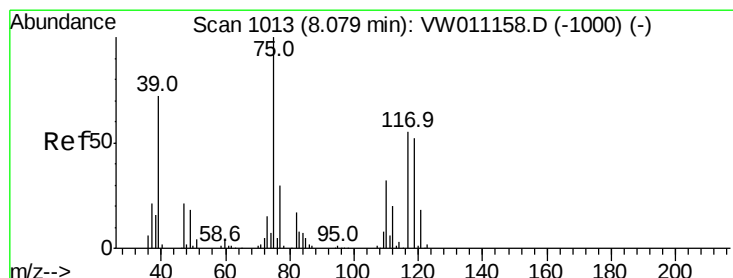
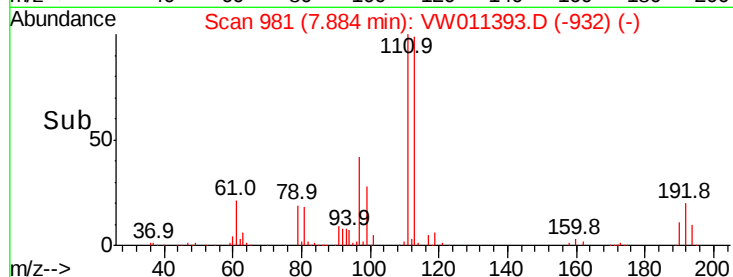
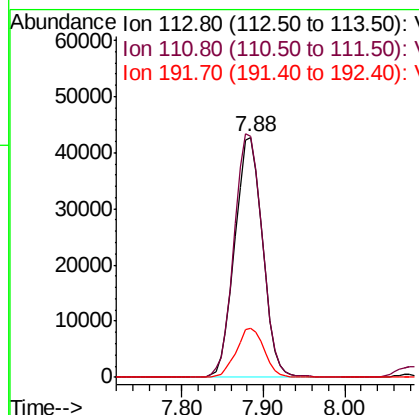
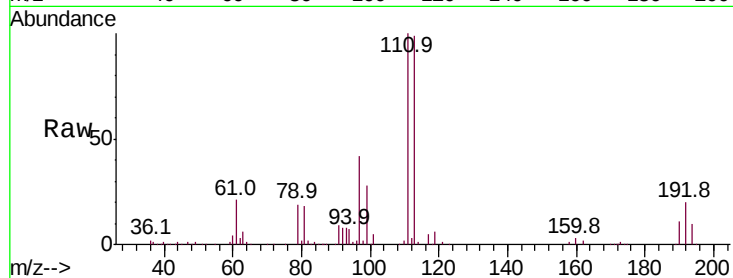
#35
 Dibromofluoromethane
 Concen: 46.842 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100533		
111	103.2	82.4	123.6	
192	20.5	15.8	23.8	

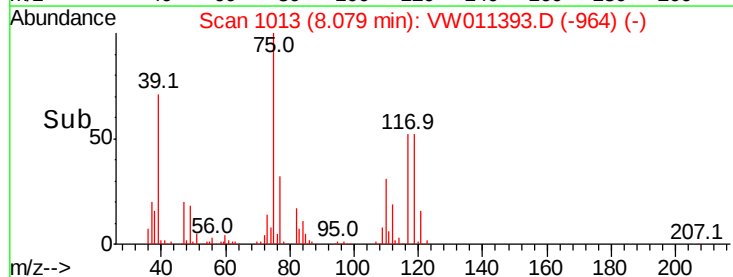
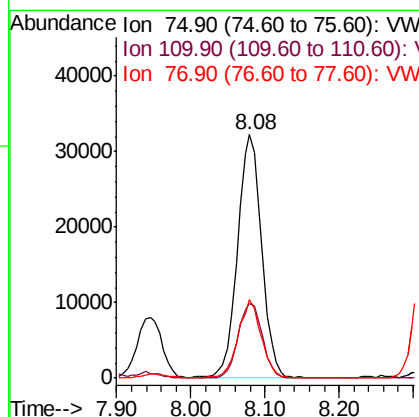
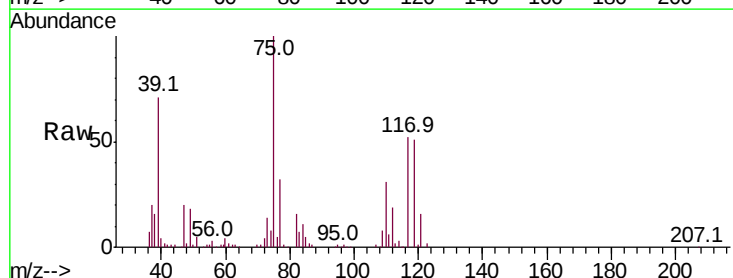
Manual Integrations
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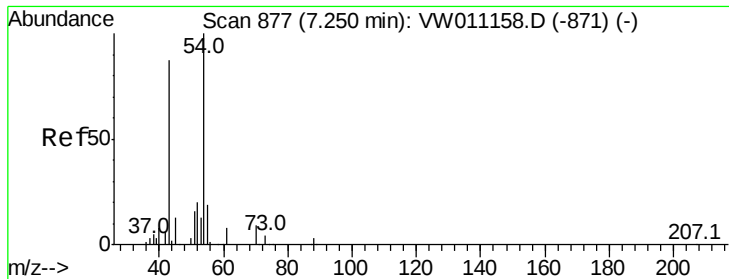
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#36
 1,1-Dichloropropene
 Concen: 19.135 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73370		
110	30.9	15.9	47.6	
77	30.9	24.6	36.8	





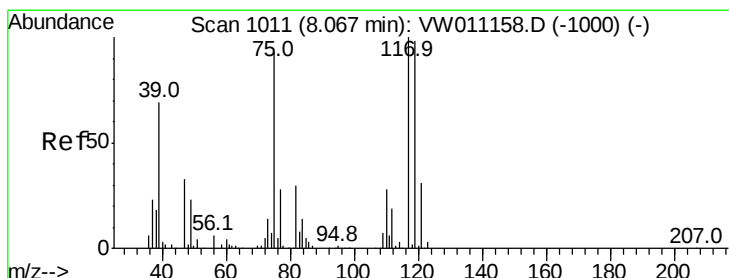
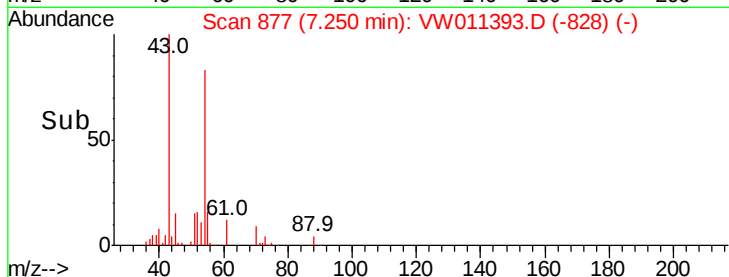
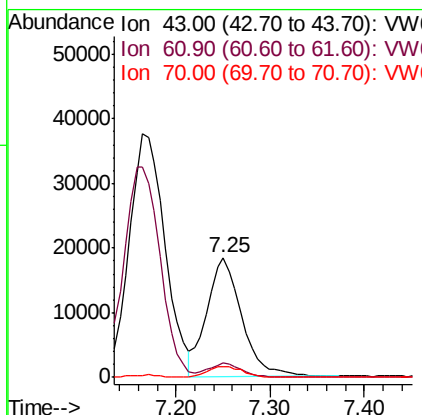
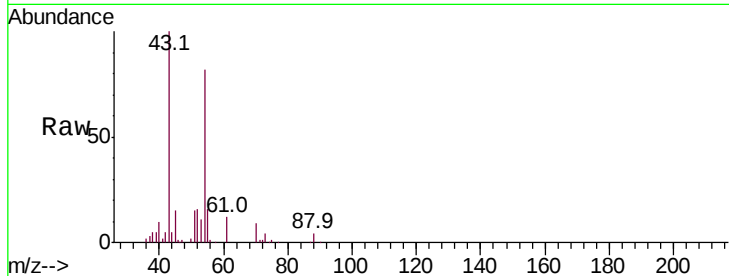
#37
Ethyl Acetate
Concen: 20.445 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	9.5	14.3
70	9.2	7.1	10.7

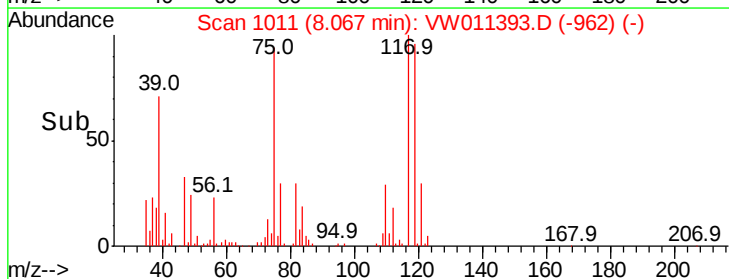
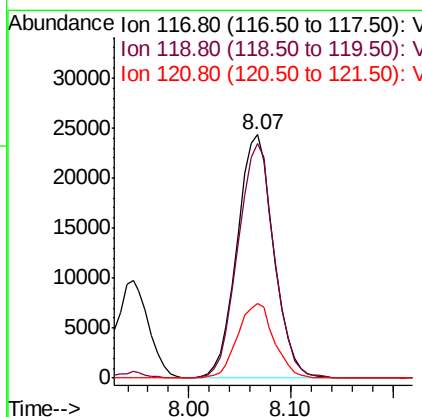
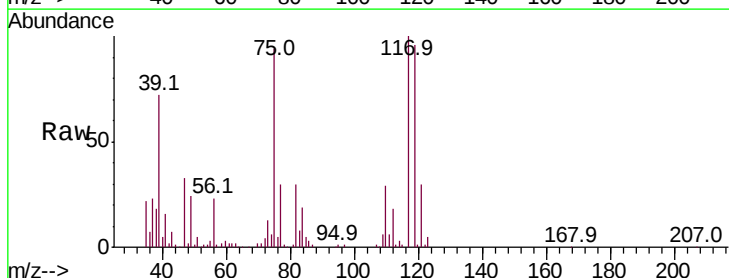
Manual Integrations
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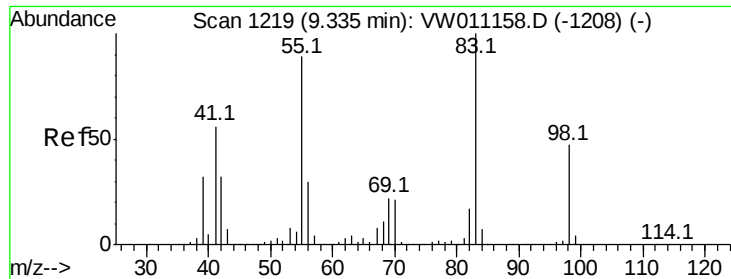
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#38
Carbon Tetrachloride
Concen: 18.626 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.1	117.1
121	30.4	25.1	37.7





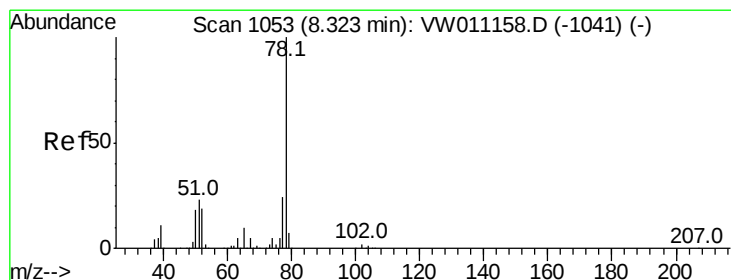
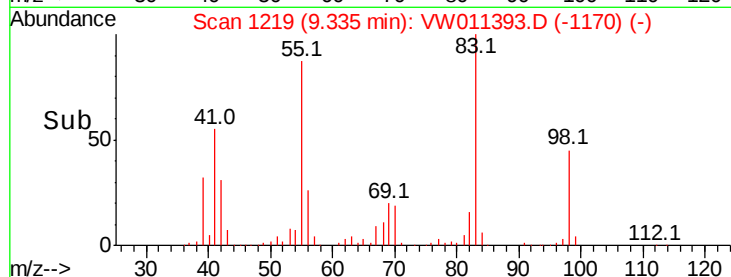
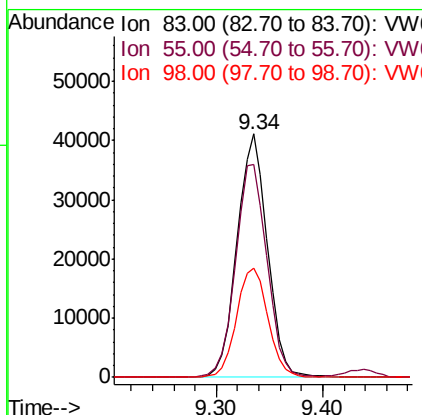
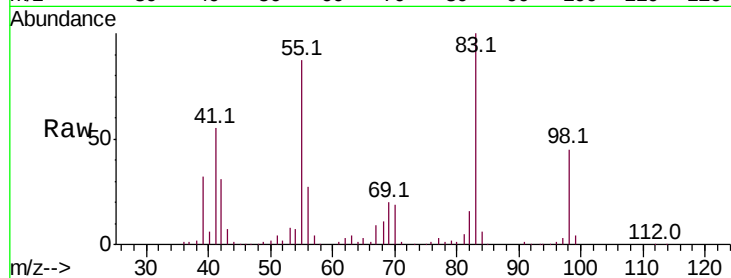
#39
Methvlcvclohexane
Concen: 17.722 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.2	71.2	106.8
98	44.7	37.5	56.3

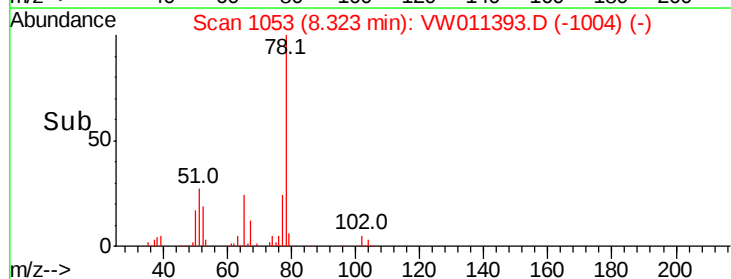
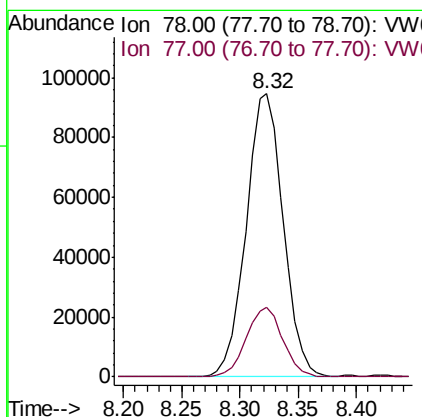
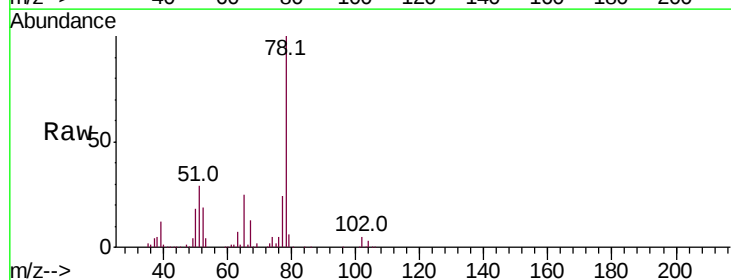
Manual Integrations
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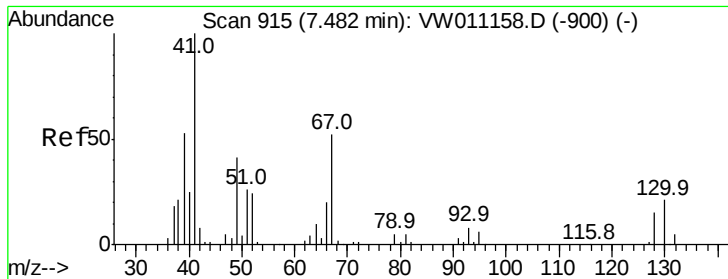
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#40
Benzene
Concen: 19.807 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6





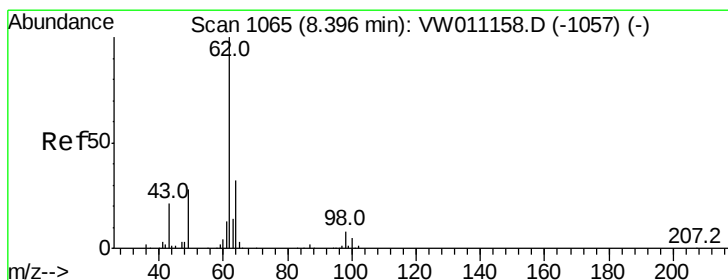
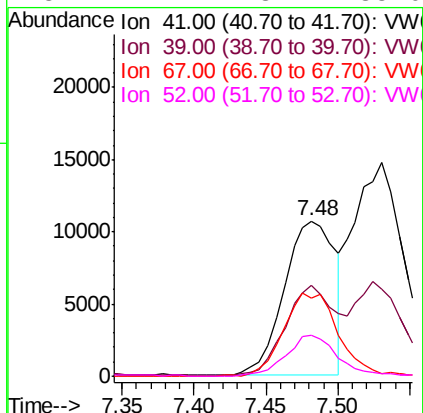
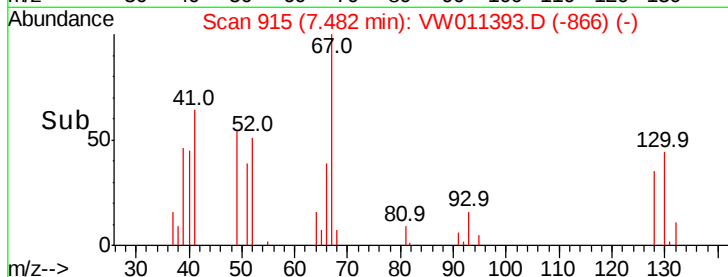
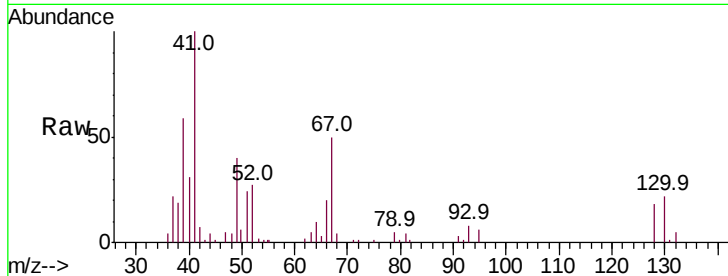
#41
Methacrylonitrile
Concen: 20.041 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.0	48.0	72.0
67	58.2	49.7	74.5
52	27.2	23.4	35.0

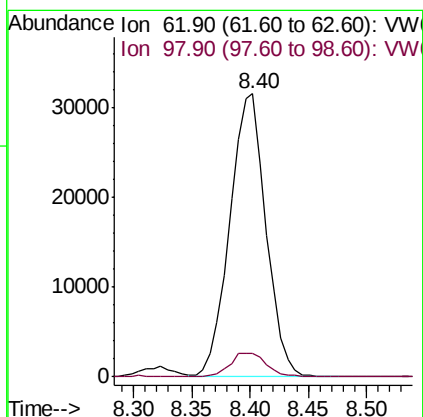
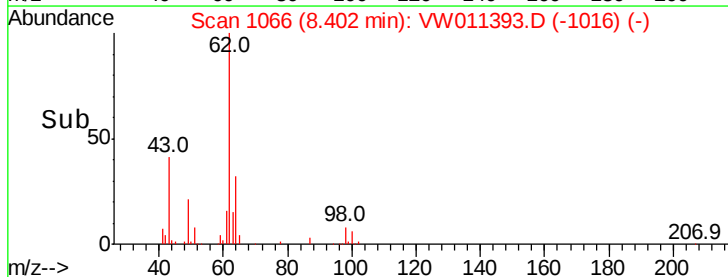
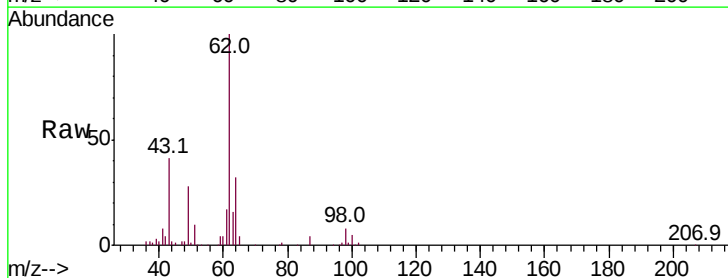
Manual Integrations
APPROVED

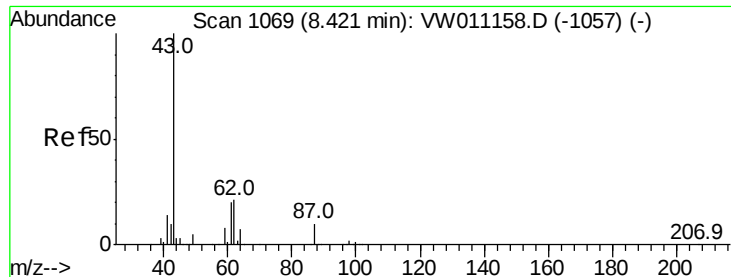
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.886 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.018 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

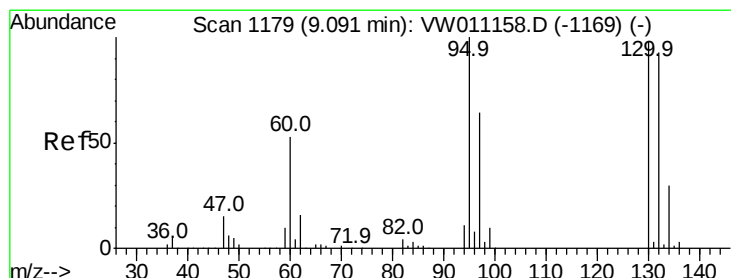
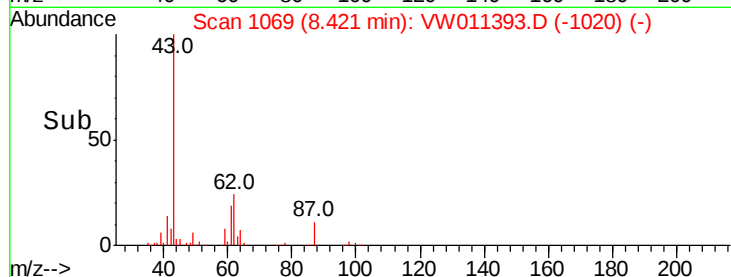
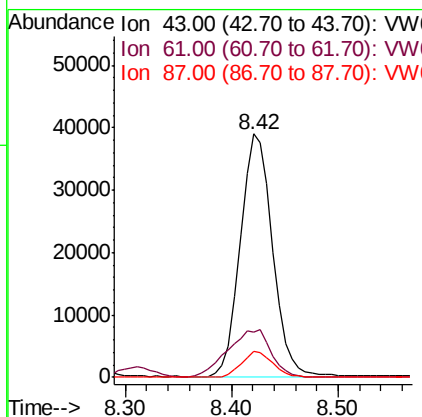
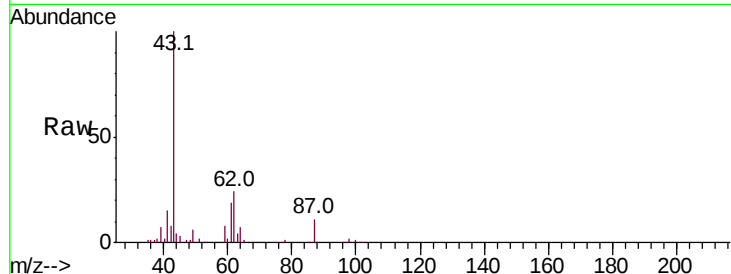
ClientSampleId :

VW0720SBS01

Tot Ion:	43	Resp:	82719
Ion	Ratio	Lower	Upper
43	100		
61	26.6	20.7	31.1
87	10.3	8.1	12.1

Manual Integrations
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#44

Trichloroethene

Concen: 19.567 ug/l

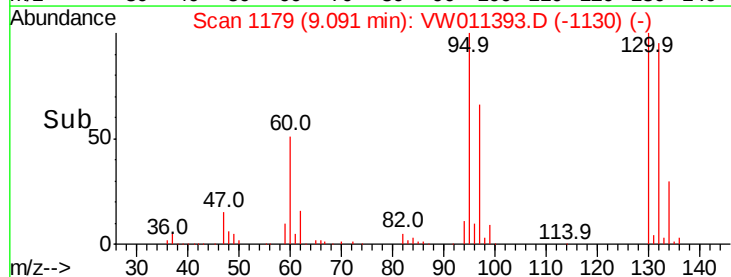
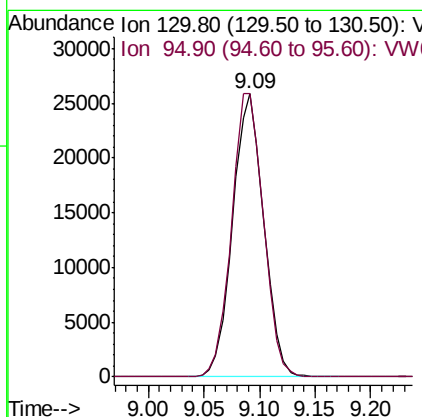
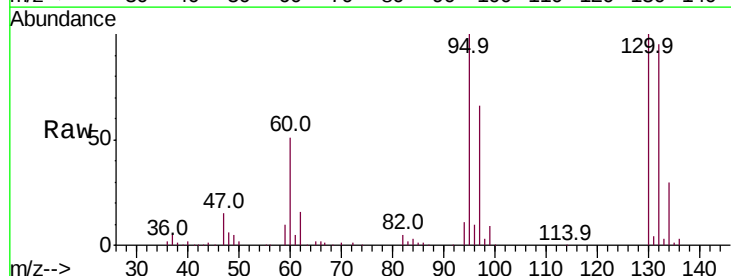
RT: 9.09 min Scan# 1179

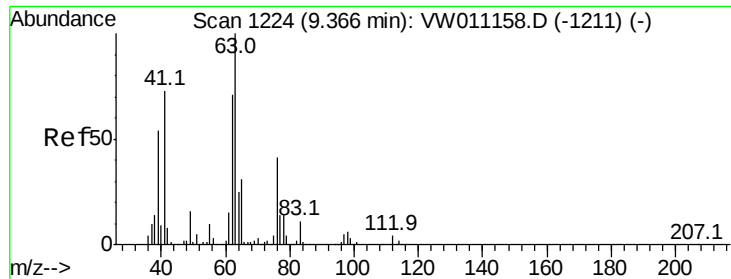
Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Tgt Ion:	130	Resp:	49897
Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	203.6





#45

1,2-Dichloropropane

Concen: 19.742 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 63 Resp: 56651

Ion Ratio Lower Upper

63 100

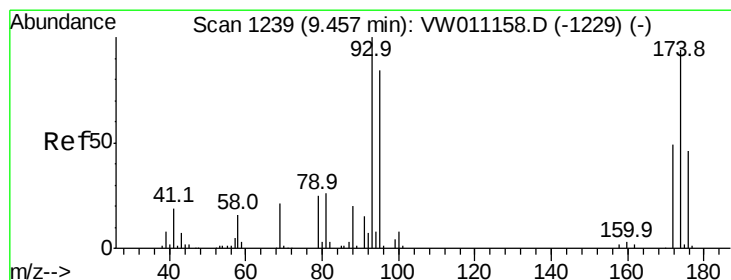
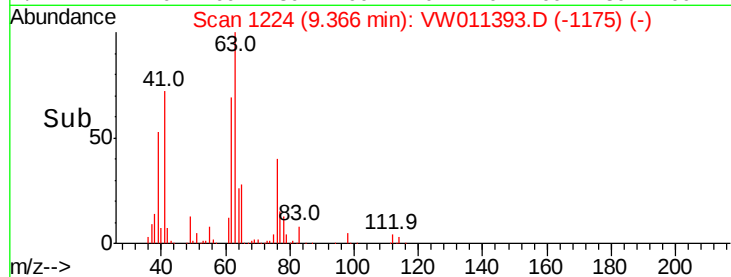
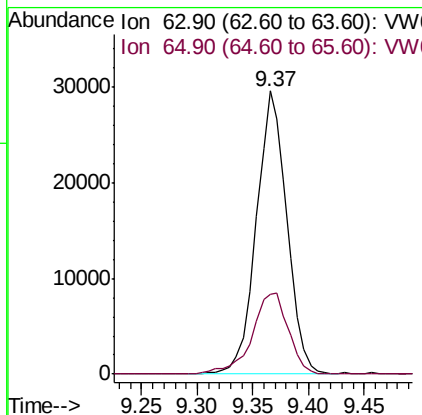
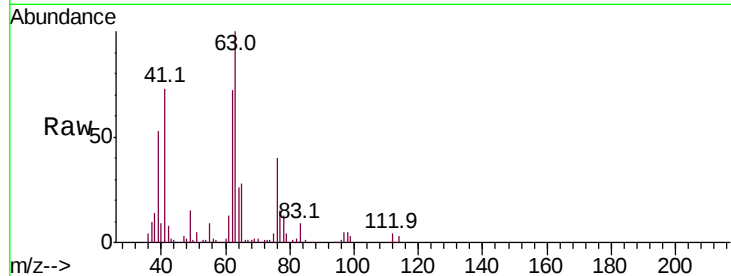
65 28.3 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 19.861 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

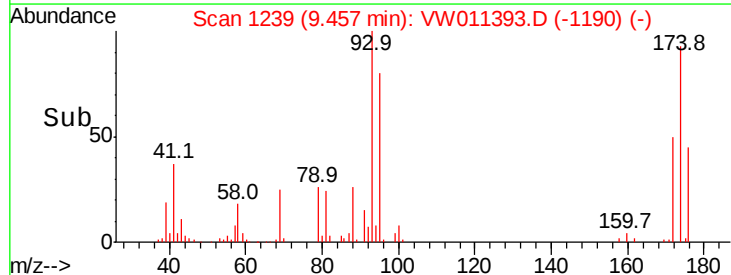
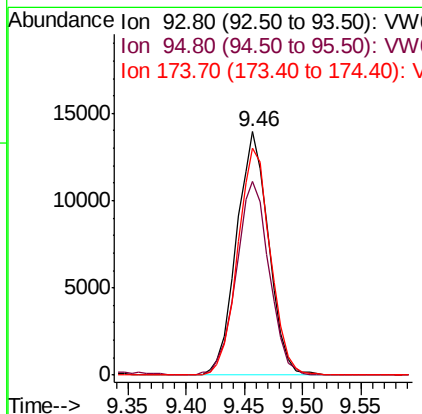
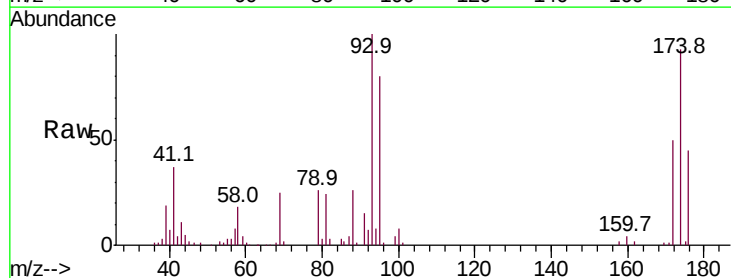
Tgt Ion: 93 Resp: 26772

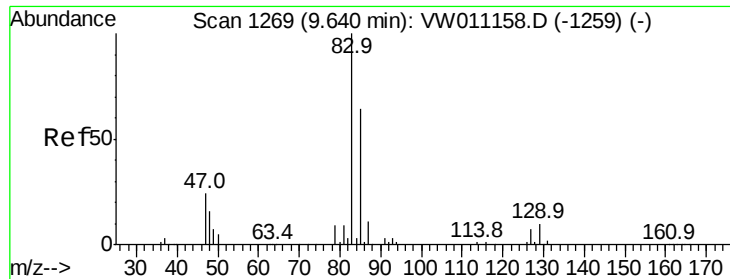
Ion Ratio Lower Upper

93 100

95 81.4 67.2 100.8

174 94.4 76.3 114.5





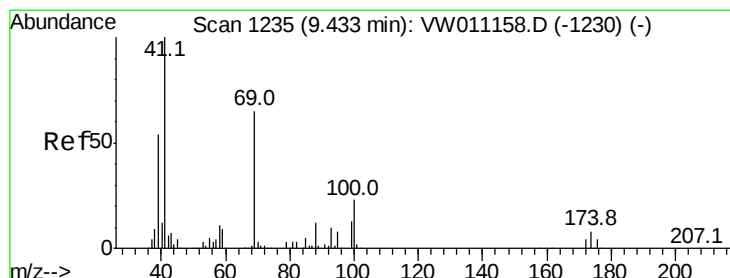
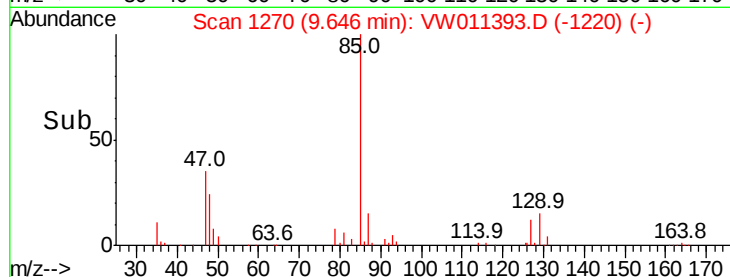
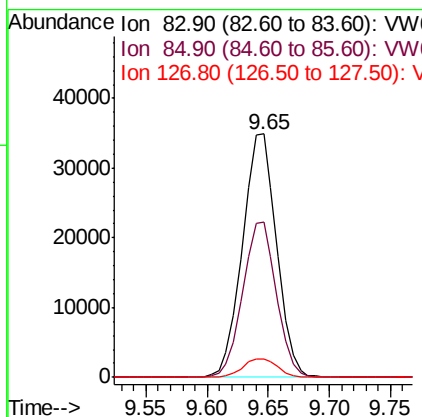
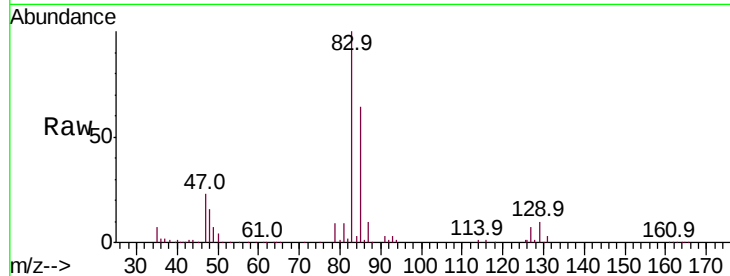
#47
Bromodichloromethane
Concen: 19.626 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	67692		
85	64.0	51.0	76.4	
127	7.5	6.0	9.0	

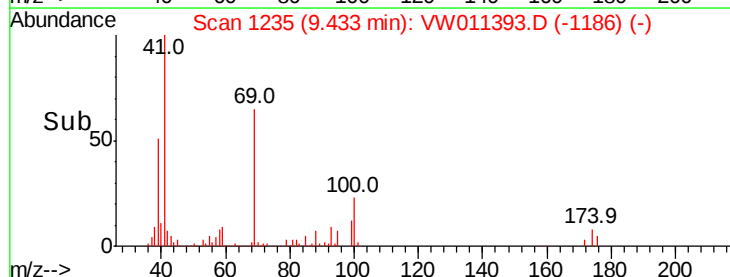
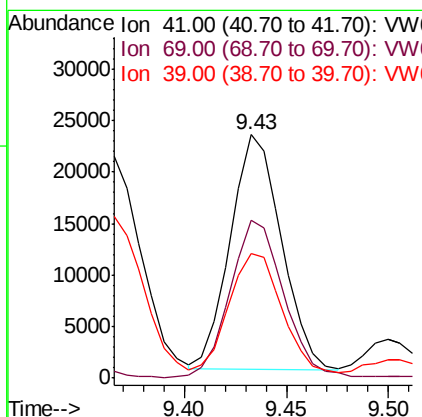
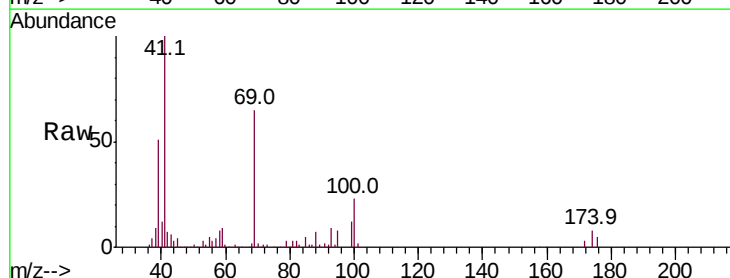
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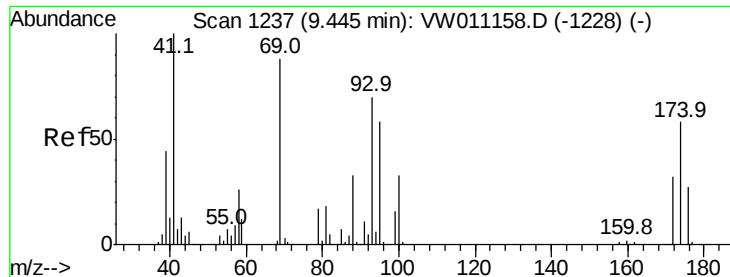
MMDadoda
7/22/2019 9:21:51 AM



#48
Methyl methacrylate
Concen: 18.880 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	39509		
69	70.7	56.0	84.0	
39	56.9	43.5	65.3	





#49

1,4-Dioxane

Concen: 382.793 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

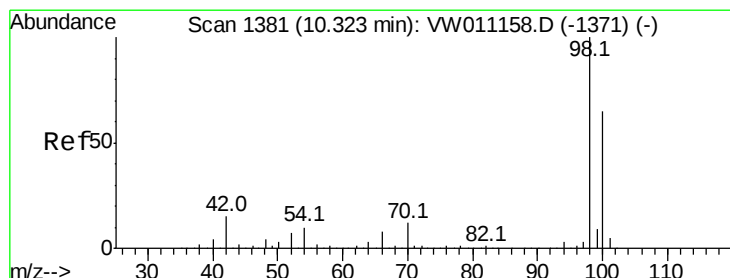
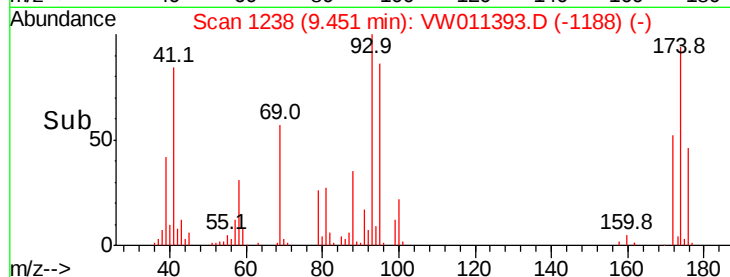
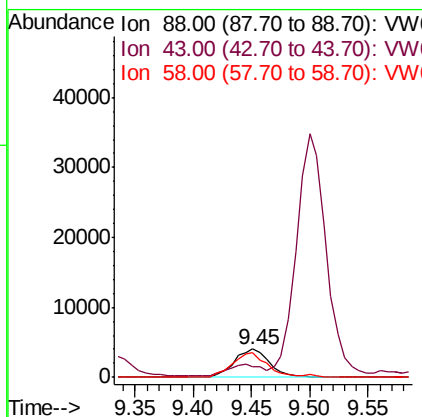
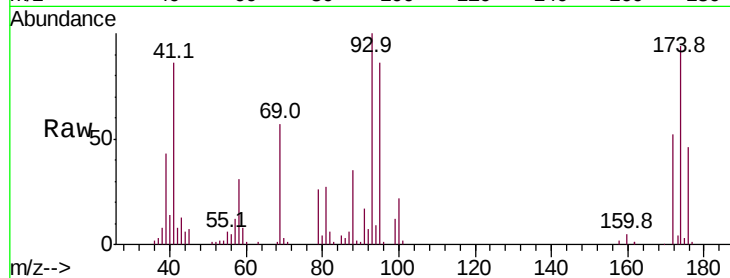
ClientSampleId :

VW0720SBS01

Tot Ion:	88	Resp:	8613
Ion	Ratio	Lower	Upper
88	100		
43	39.6	33.4	50.0
58	85.9	64.5	96.7

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#50

Toluene-d8

Concen: 46.349 ug/l

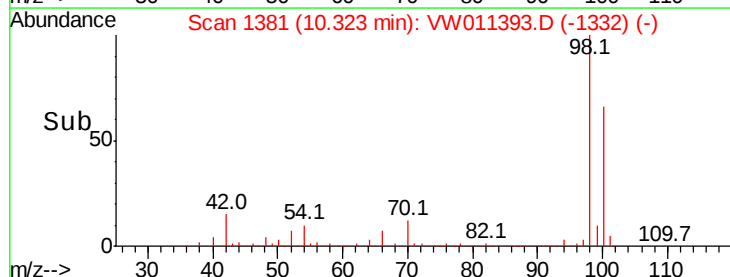
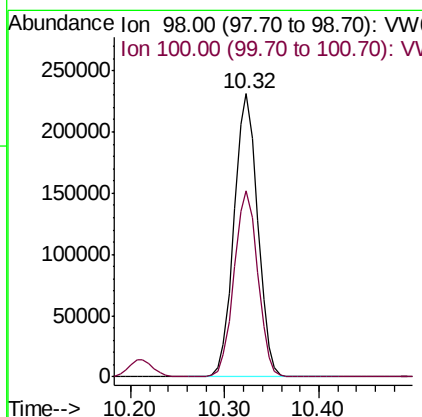
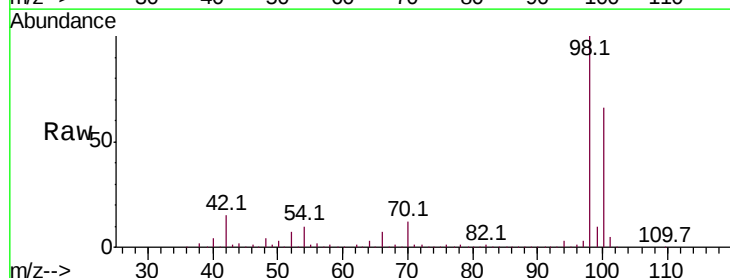
RT: 10.32 min Scan# 1381

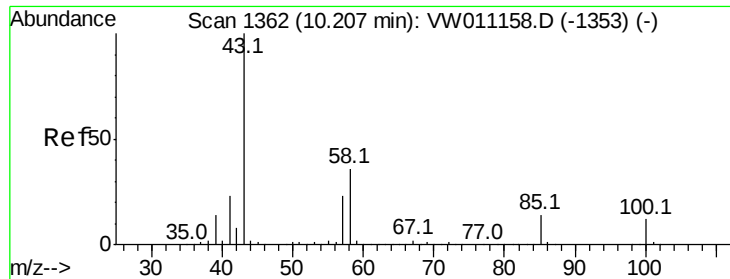
Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Tgt Ion:	98	Resp:	402091
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 96.868 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 43 Resp: 220096

Ion Ratio Lower Upper

43 100

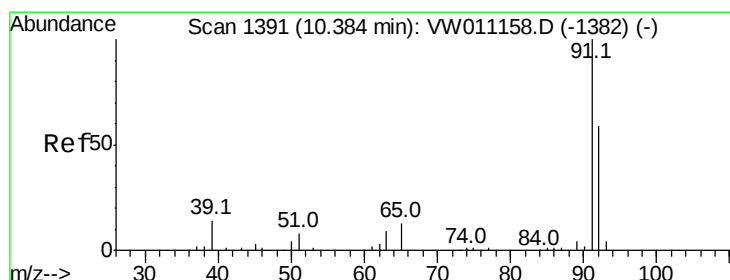
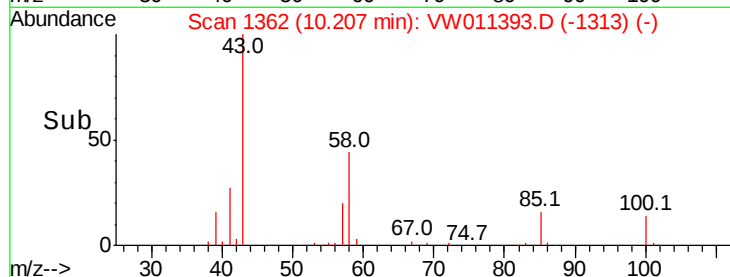
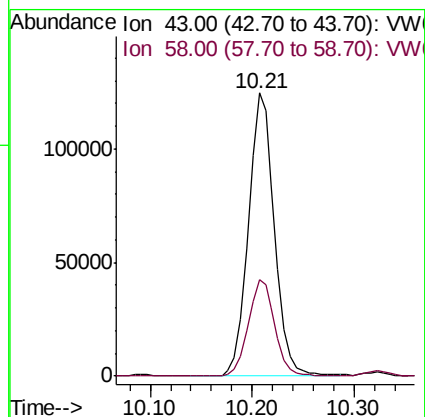
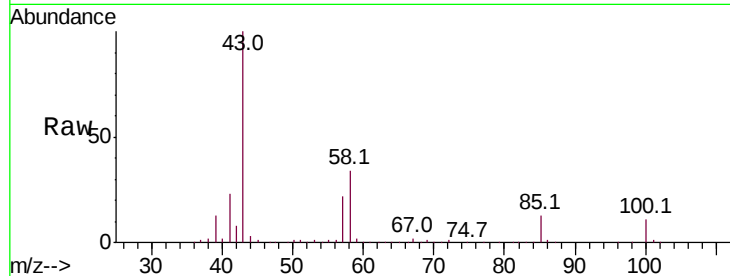
58 34.7 28.2 42.2

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#52

Toluene

Concen: 19.662 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011393.D

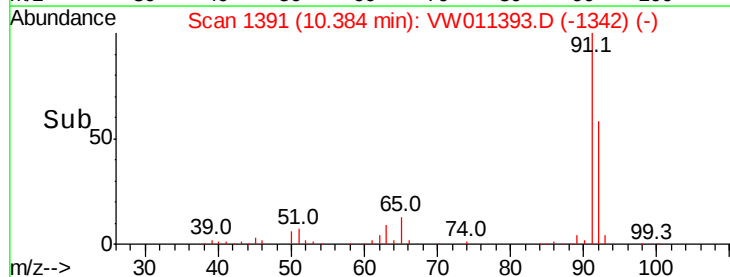
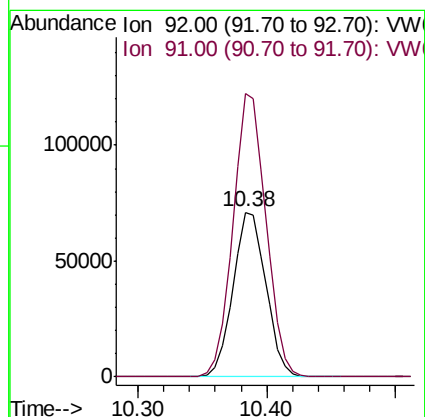
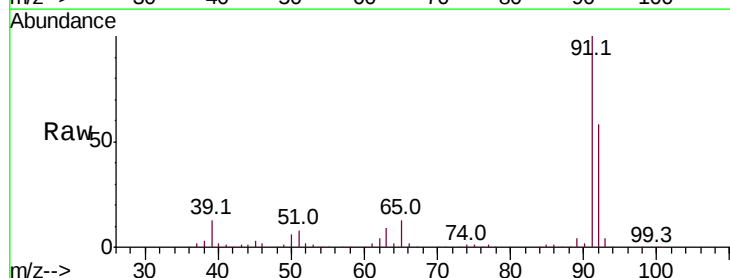
Acq: 20 Jul 2019 00:25

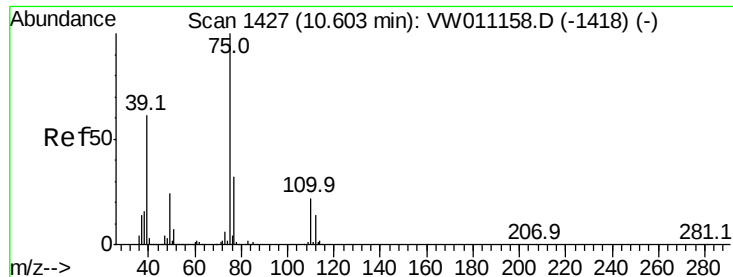
Tgt Ion: 92 Resp: 126393

Ion Ratio Lower Upper

92 100

91 171.9 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.157 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W

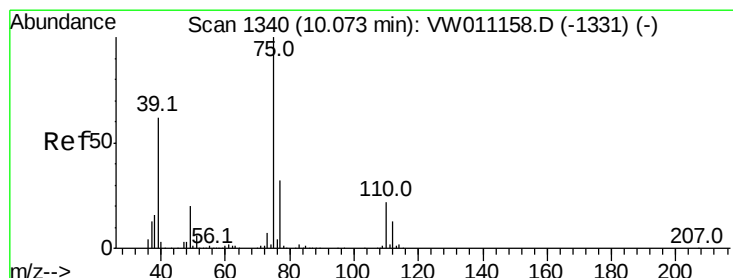
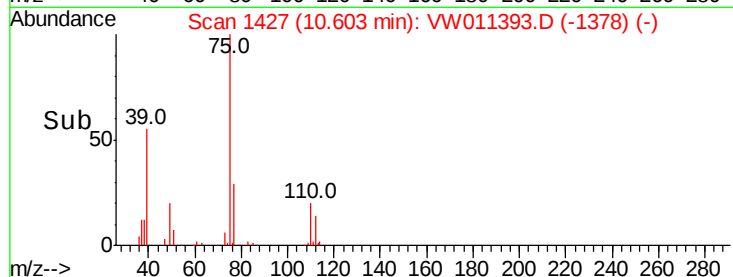
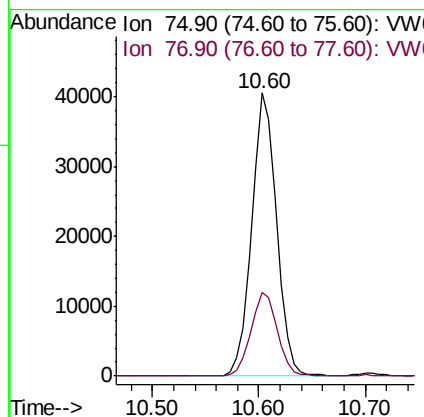
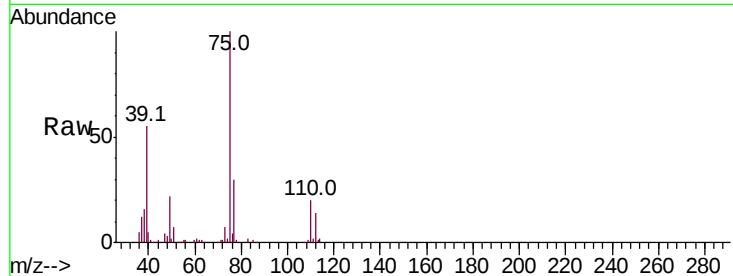
ClientSampleId :
VW0720SBS01

Tot Ion: 75 Resp: 66659

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.4	38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 18.188 ug/l

RT: 10.07 min Scan# 1340

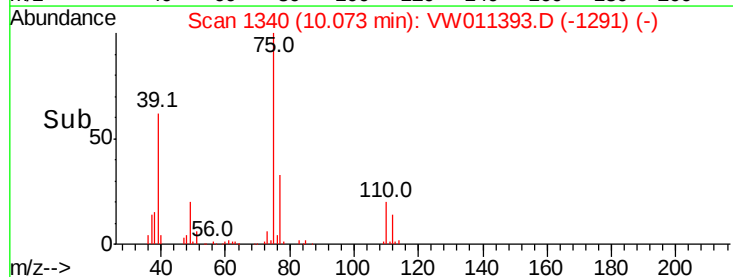
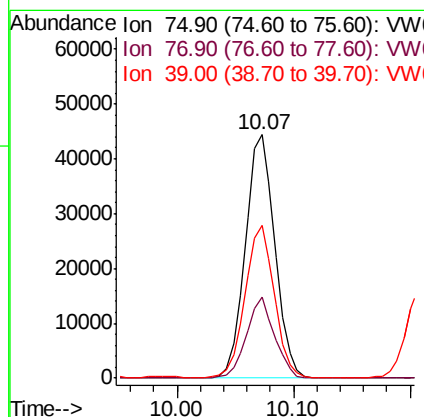
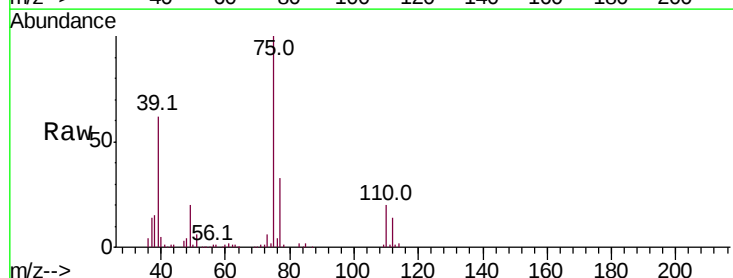
Delta R.T. -0.00 min

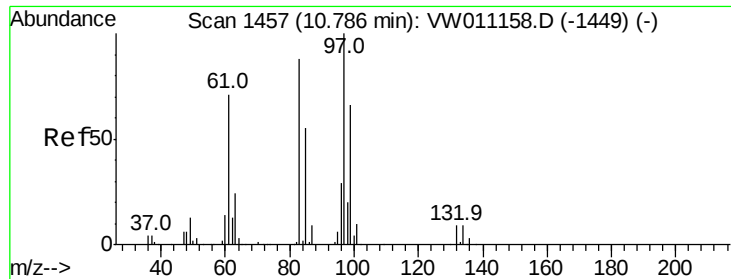
Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Tgt Ion: 75 Resp: 78597

Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.7	38.5
39	62.3	49.8	74.8





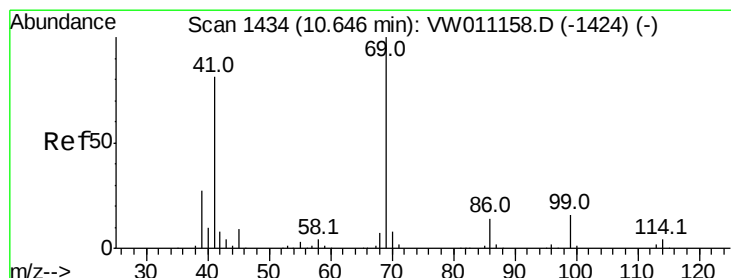
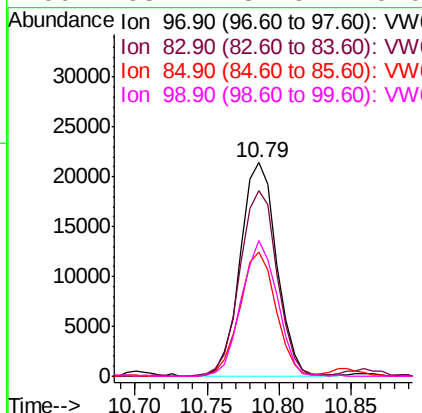
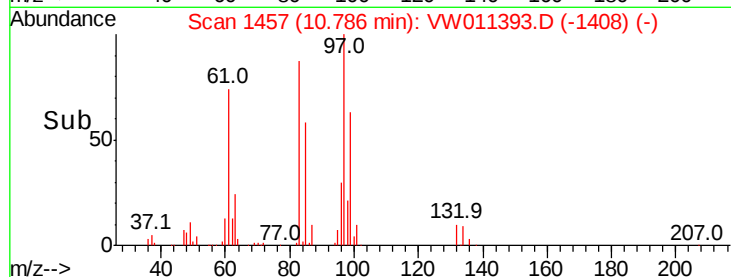
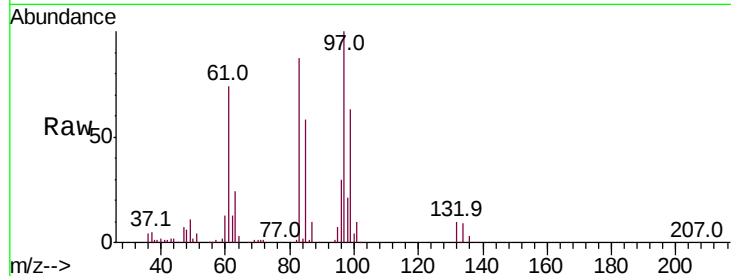
#55
 1,1,2-Trichloroethane
 Concen: 19.547 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Tot Ion	97	Resp	37380
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.2	105.4
85	58.4	44.2	66.2
99	63.2	52.6	79.0

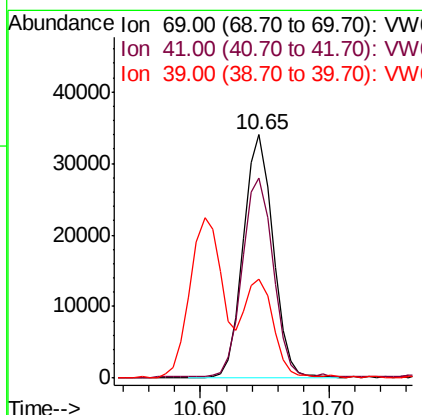
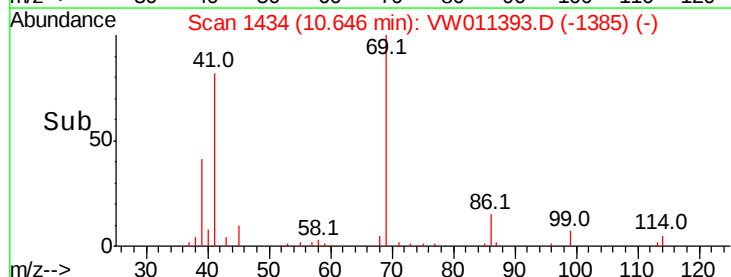
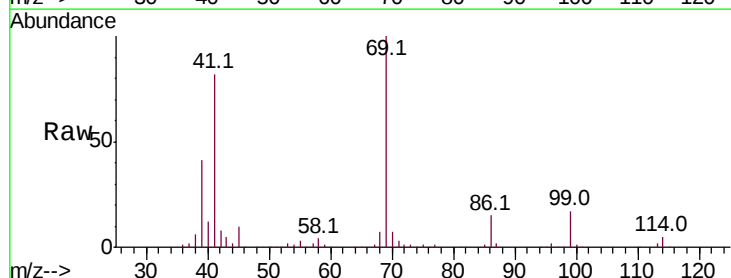
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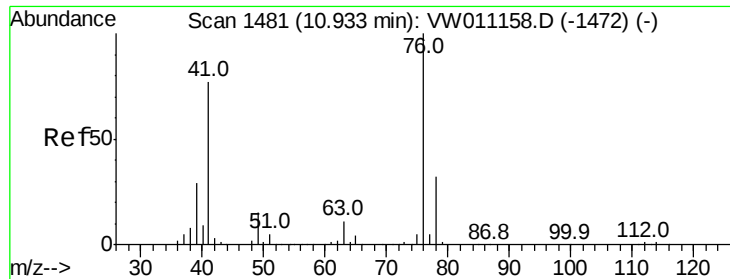
MMDadoda
 7/22/2019 9:21:51 AM



#56
 Ethyl methacrylate
 Concen: 18.708 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion	69	Resp	54468
Ion	Ratio	Lower	Upper
69	100		
41	84.5	66.5	99.7
39	39.0	32.5	48.7





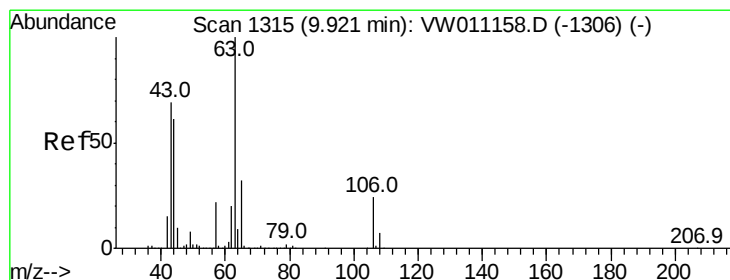
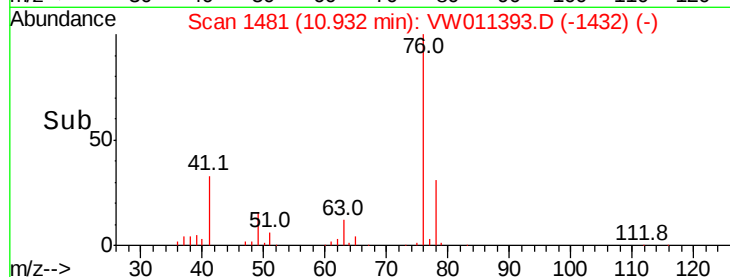
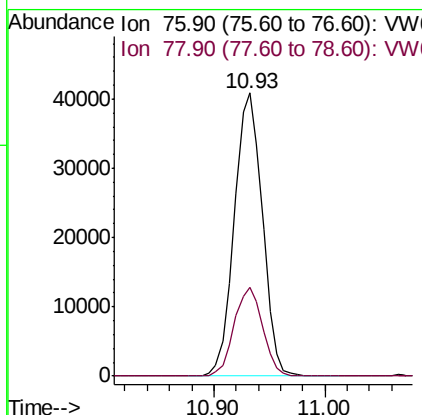
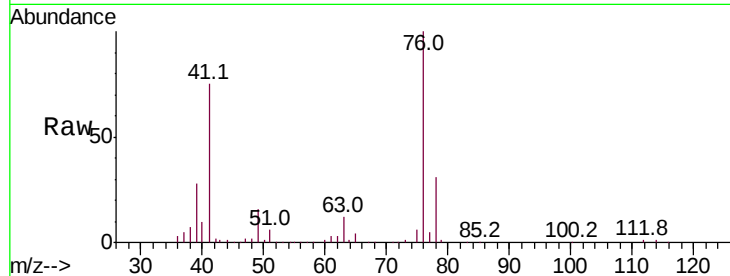
#57
 1,3-Dichloropropane
 Concen: 19.697 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Tot Ion: 76 Resp: 71230
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2

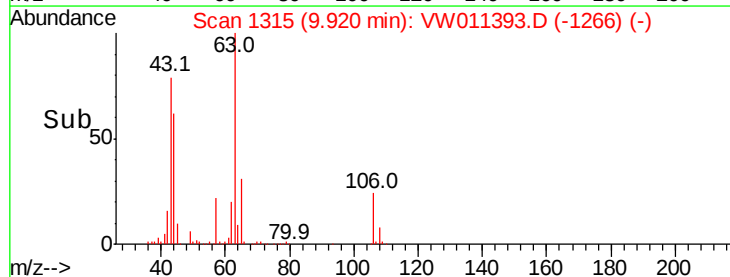
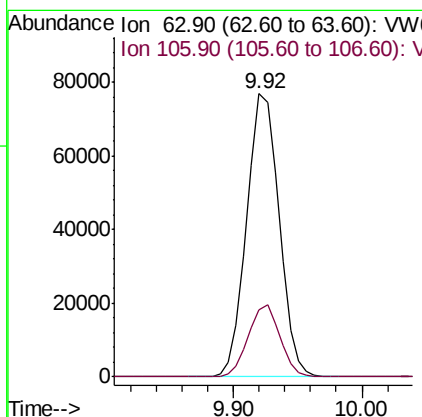
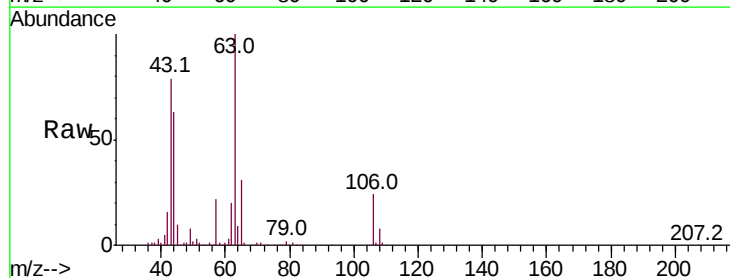
Manual Integrations
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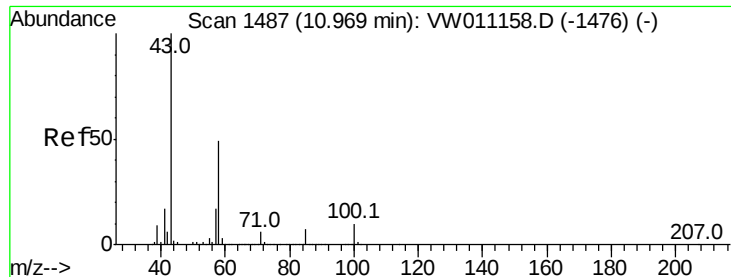
MMDadoda
 7/22/2019 9:21:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.503 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion: 63 Resp: 134306
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.0





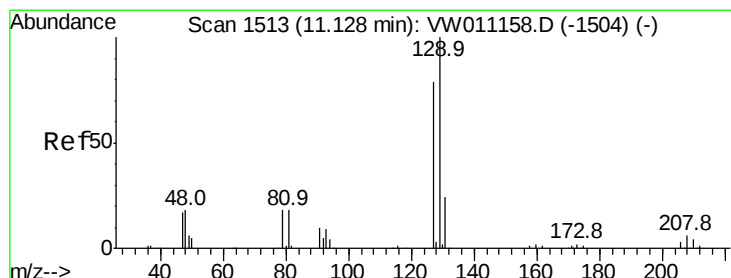
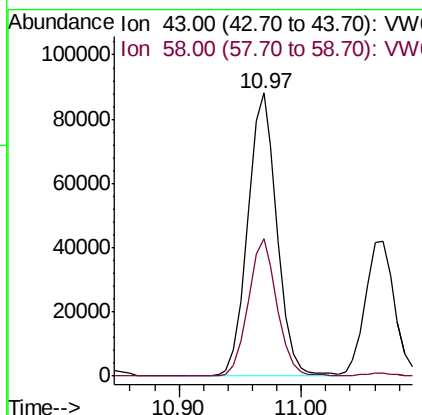
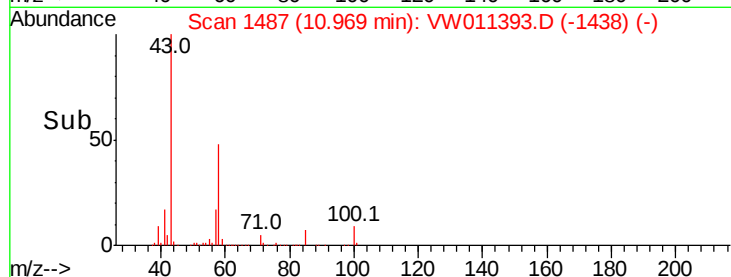
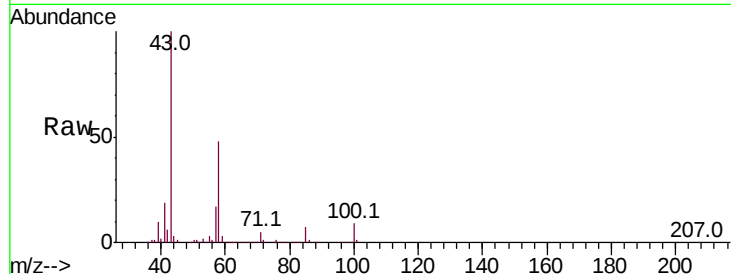
#59
2-Hexanone
Concen: 92.753 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion: 43 Resp: 146152
Ion Ratio Lower Upper
43 100
58 47.9 24.4 73.4

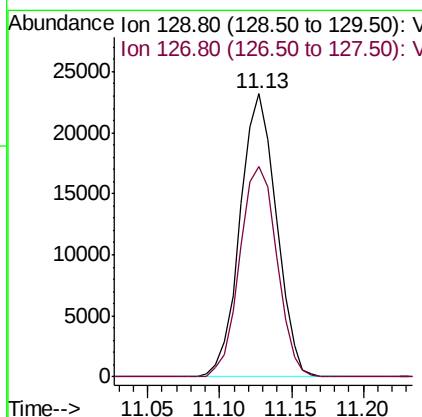
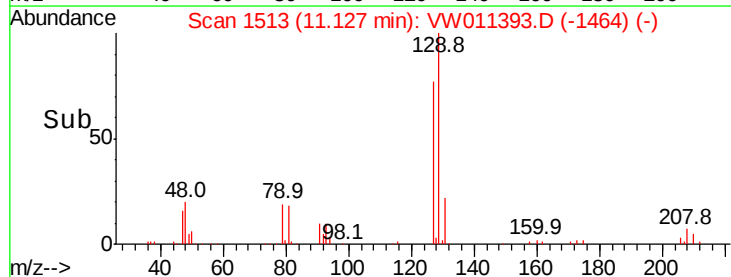
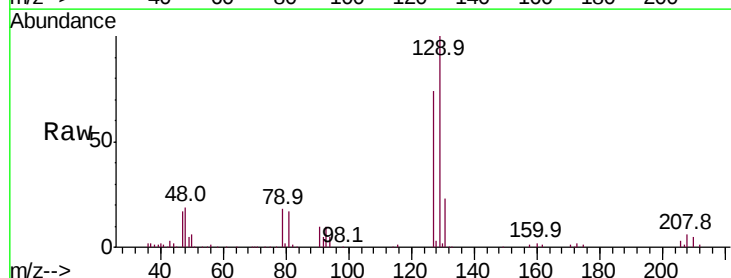
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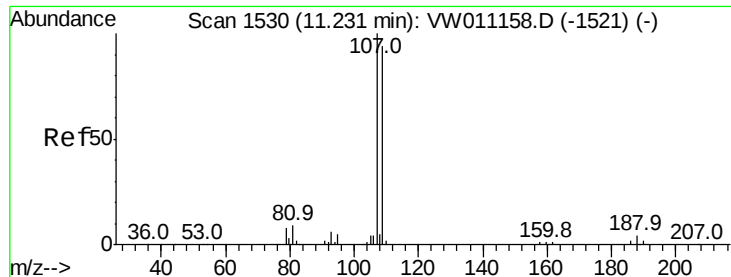
MMDadoda
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#60
Dibromochloromethane
Concen: 19.325 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion: 129 Resp: 40525
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.3





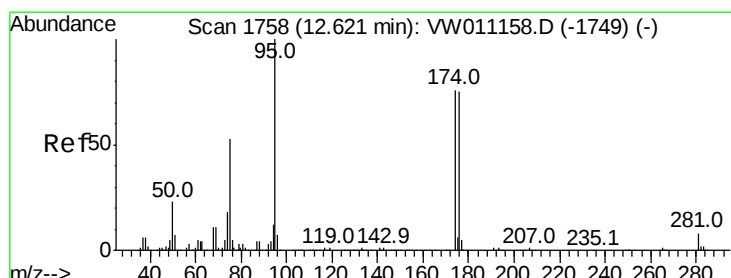
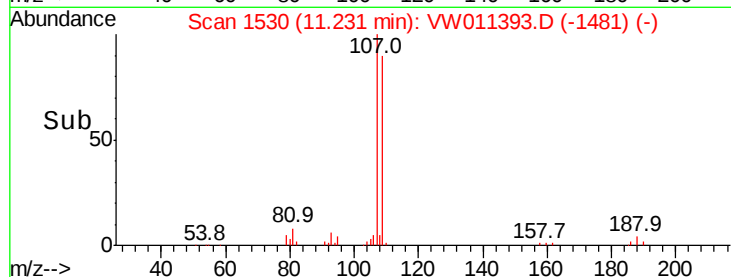
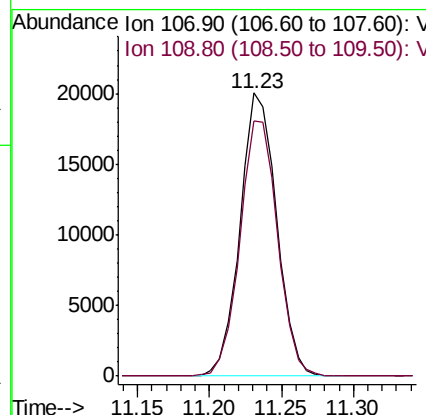
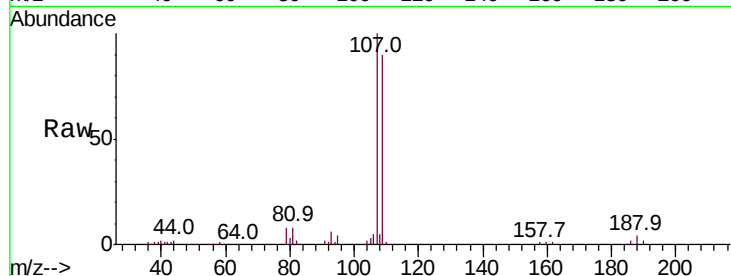
#61
1,2-Dibromoethane
Concen: 19.475 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.2	112.8

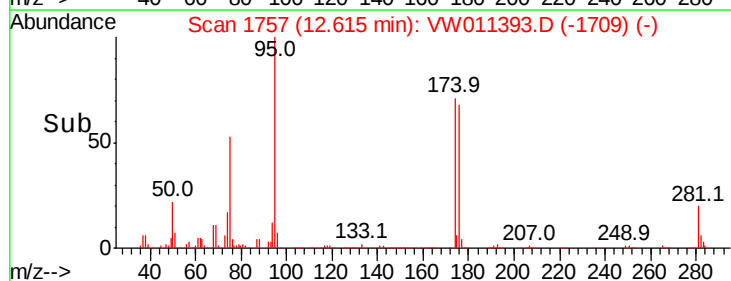
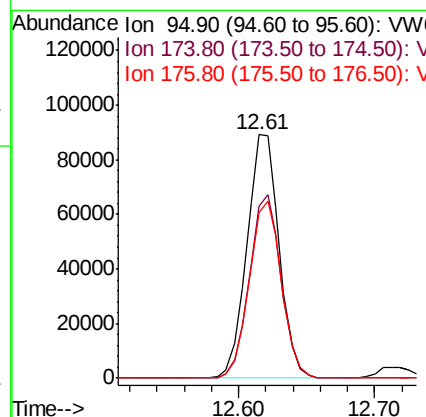
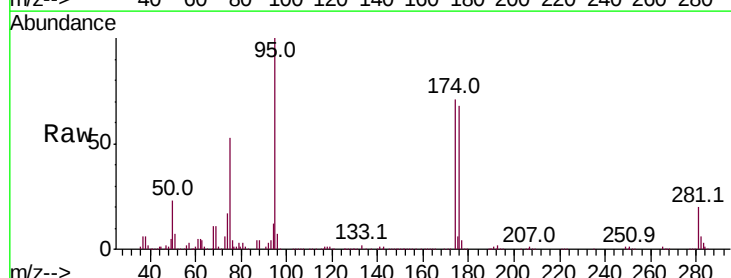
Manual Integrations
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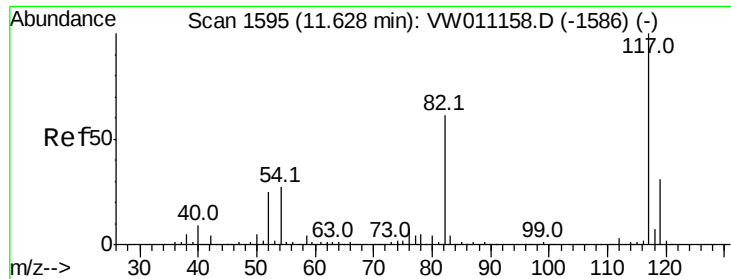
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#62
4-Bromofluorobenzene
Concen: 46.207 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	147.6
176	72.9	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: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

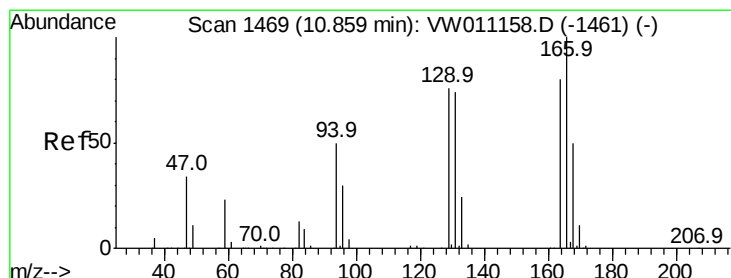
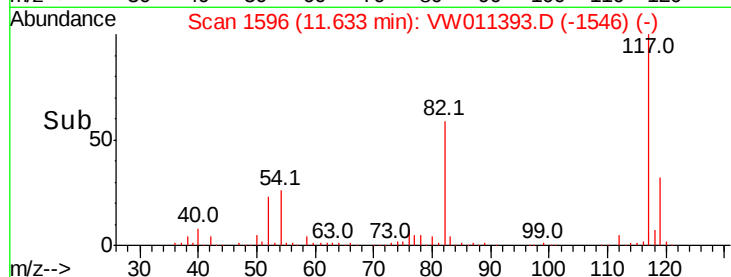
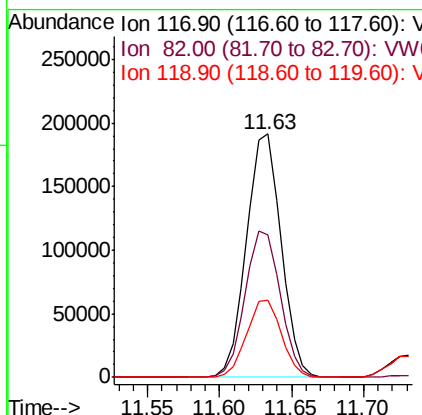
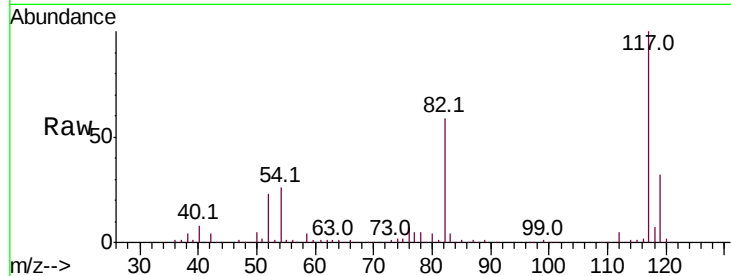
ClientSampleId :

VW0720SBSD01

Tot Ion:	117	Resp:	318342
Ion Ratio	Lower	Upper	
117	100		
82	58.6	48.9	73.3
119	31.8	25.0	37.6

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#64

Tetrachloroethene

Concen: 21.040 ug/l

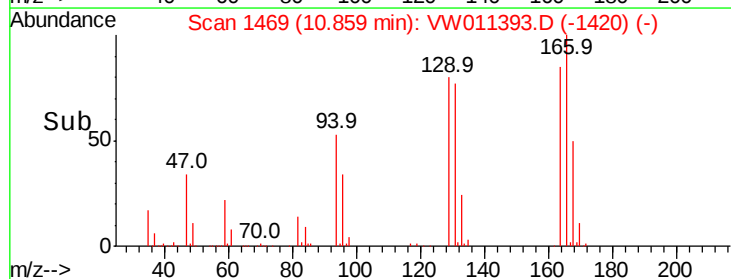
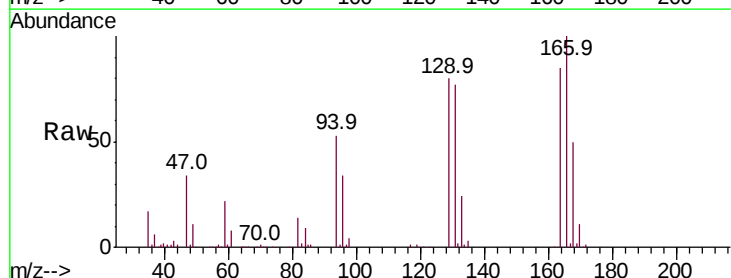
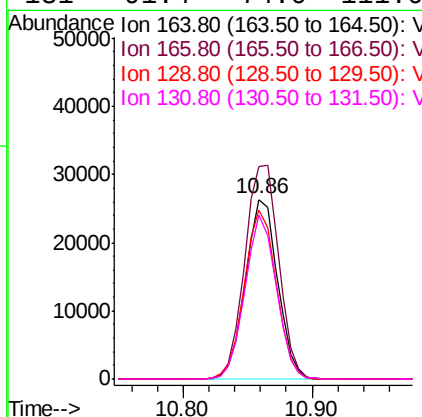
RT: 10.86 min Scan# 1469

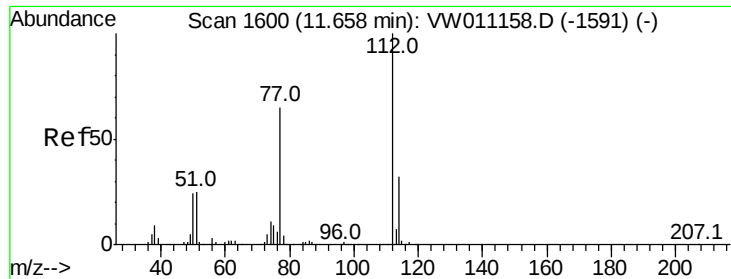
Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Tgt Ion:	164	Resp:	45196
Ion Ratio	Lower	Upper	
164	100		
166	118.0	99.7	149.5
129	94.3	76.2	114.2
131	91.4	74.0	111.0





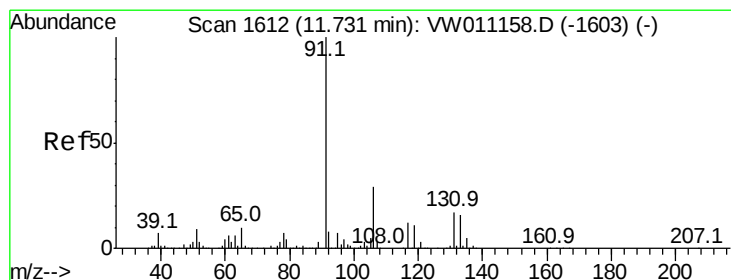
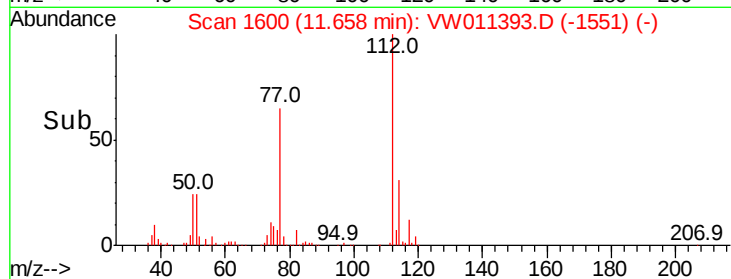
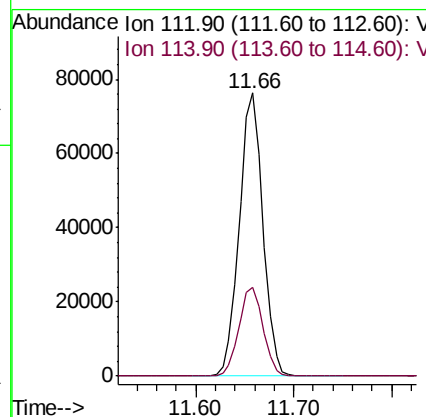
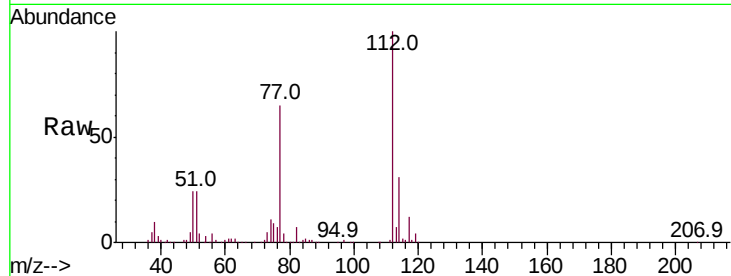
#65
Chlorobenzene
Concen: 19.686 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.5	38.3

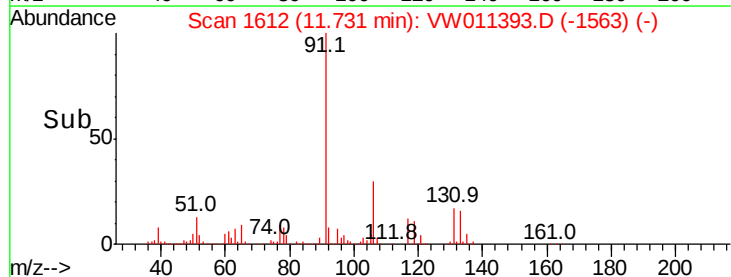
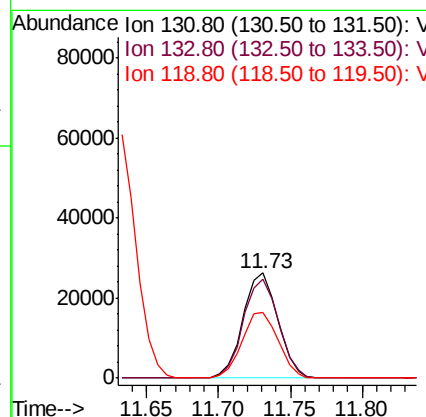
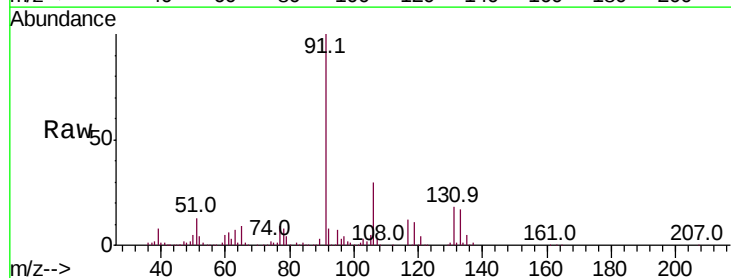
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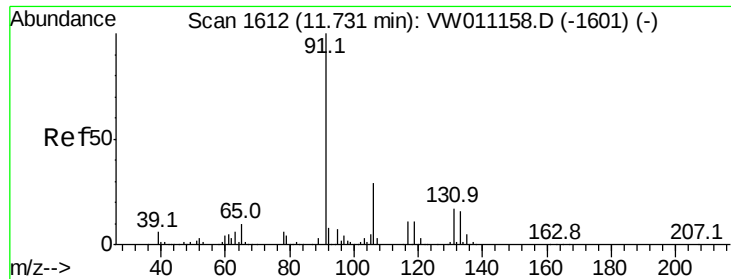
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.383 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.9	143.8
119	64.8	33.1	99.2





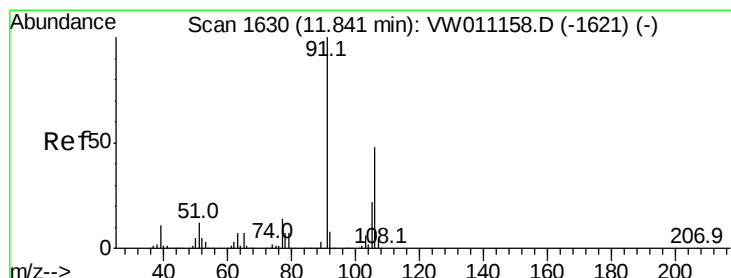
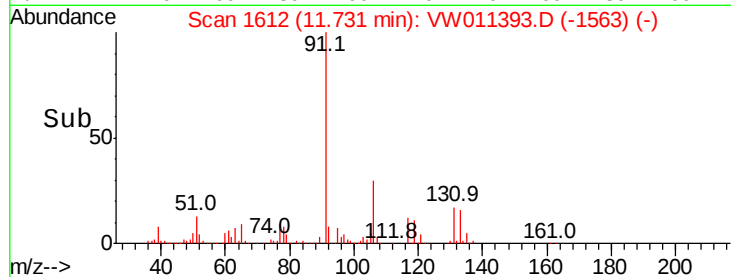
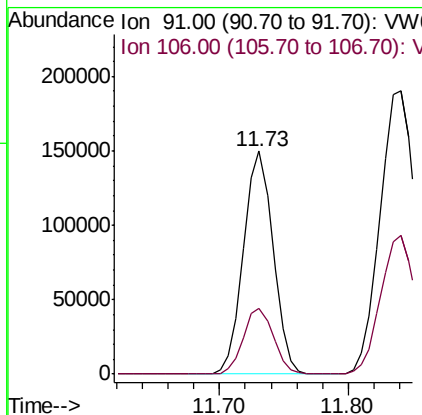
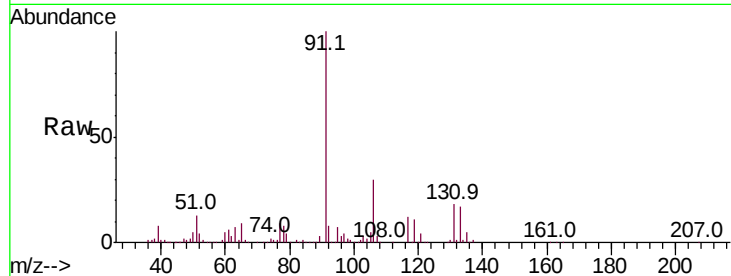
#67
Ethyl Benzene
Concen: 19.266 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion: 91 Resp: 238709
Ion Ratio Lower Upper
91 100
106 29.6 23.5 35.3

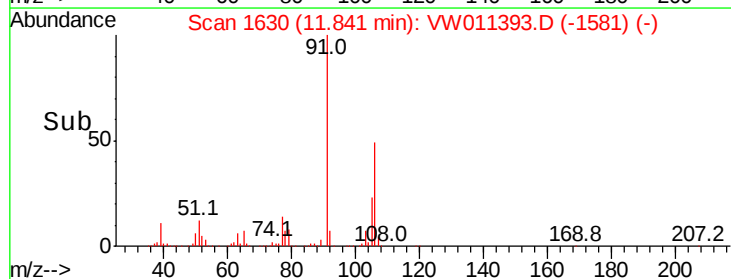
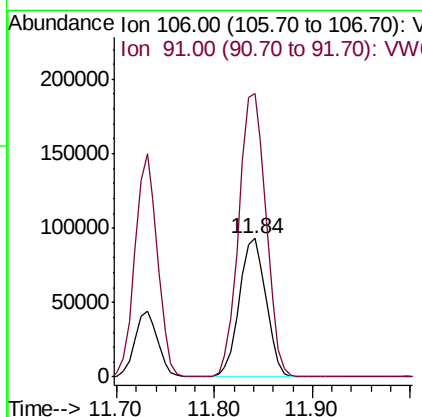
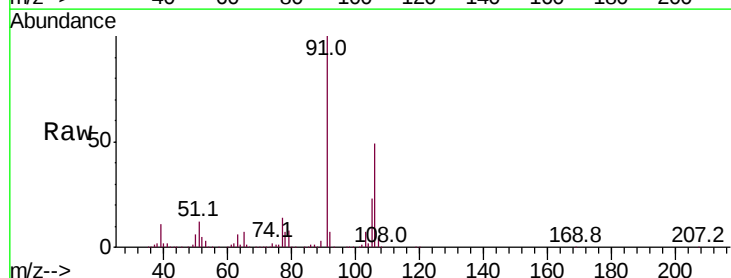
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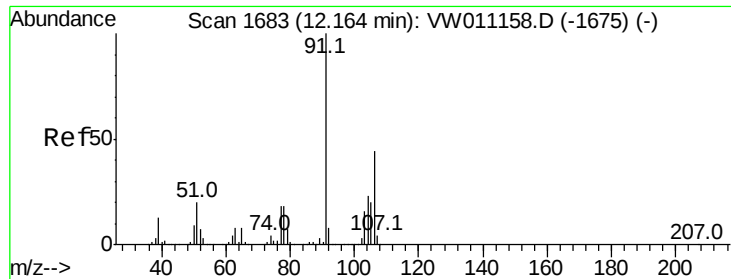
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#68
m/p-Xylenes
Concen: 39.391 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion: 106 Resp: 176602
Ion Ratio Lower Upper
106 100
91 207.6 167.7 251.5





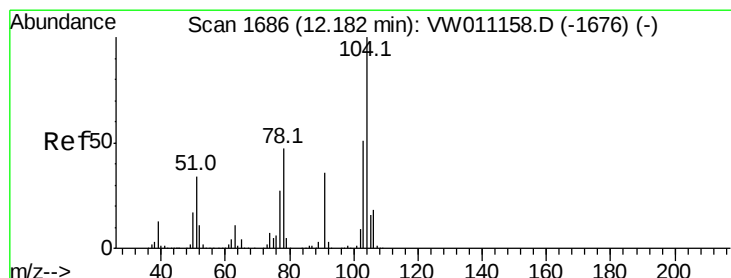
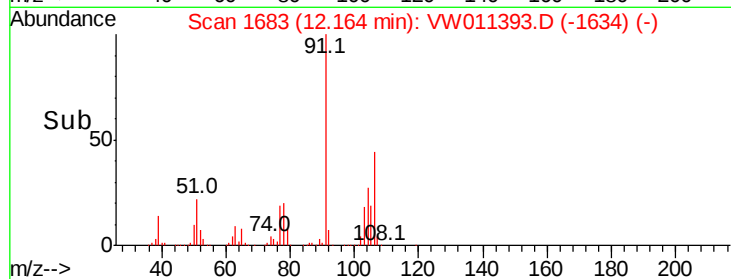
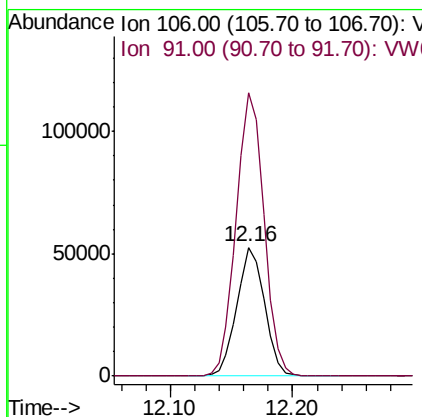
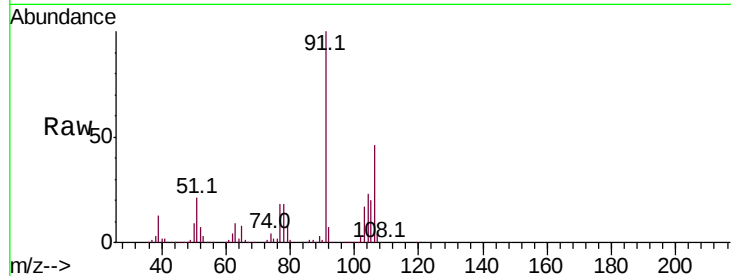
#69
o-Xylene
Concen: 19.516 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion:106 Resp: 82466
Ion Ratio Lower Upper
106 100
91 222.0 110.7 332.1

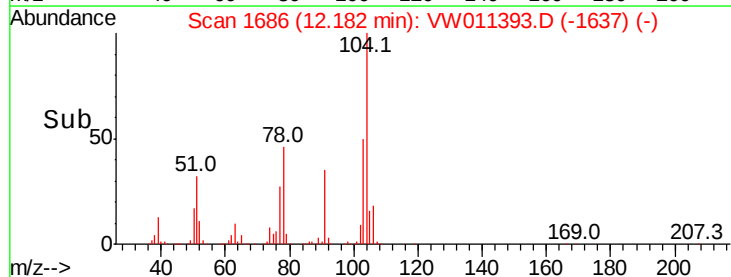
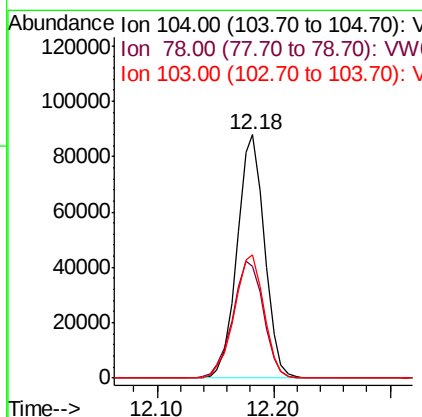
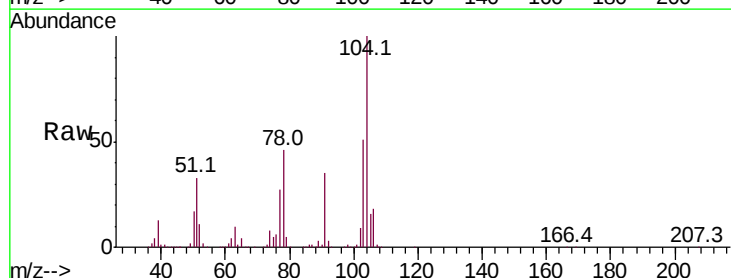
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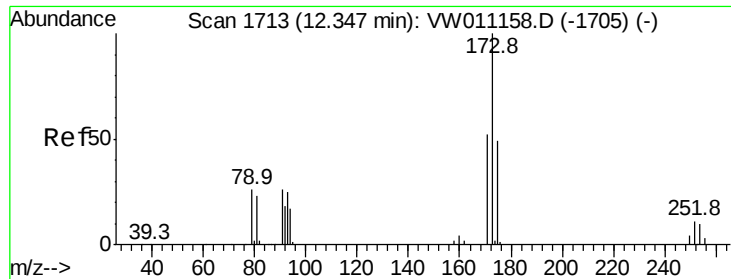
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#70
Styrene
Concen: 19.782 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion:104 Resp: 144263
Ion Ratio Lower Upper
104 100
78 54.2 43.1 64.7
103 55.1 44.1 66.1





#71

Bromoform

Concen: 18.515 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion:173 Resp: 22434

Ion Ratio Lower Upper

173 100

175 48.1 24.8 74.3

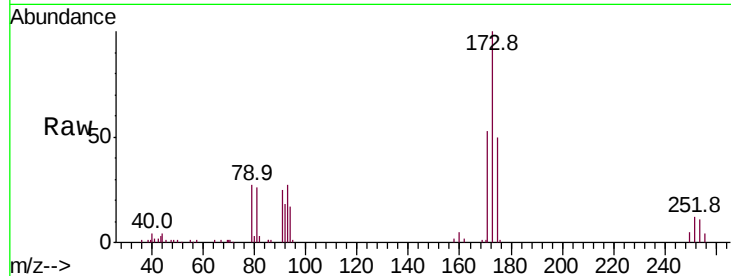
254 0.1 0.0 0.0#

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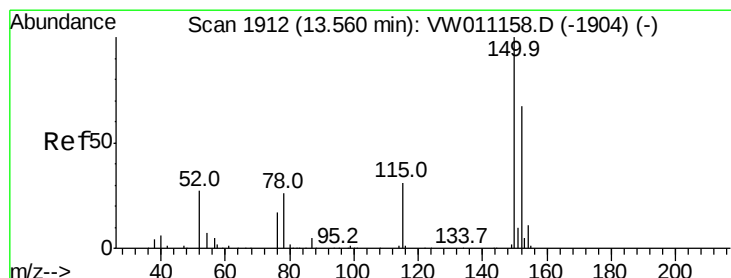
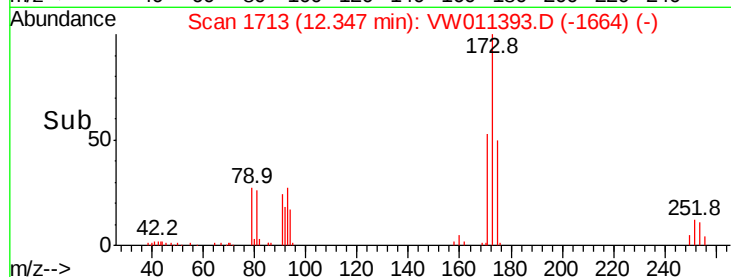
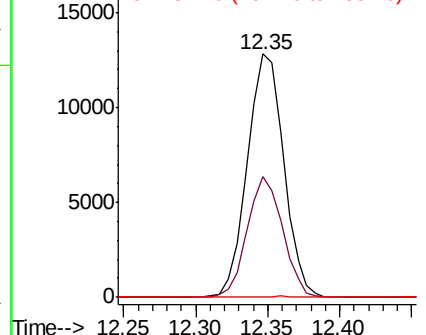
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VW011393.D

Acq: 20 Jul 2019 00:25

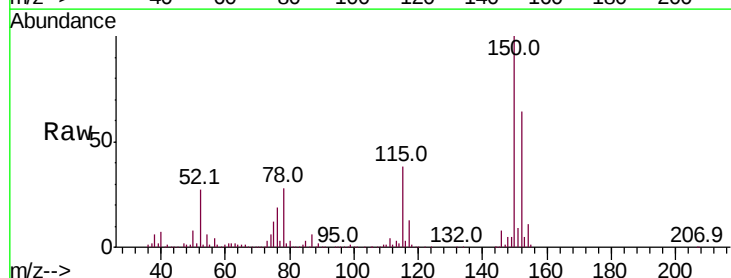
Tgt Ion:152 Resp: 155562

Ion Ratio Lower Upper

152 100

115 61.2 30.1 90.3

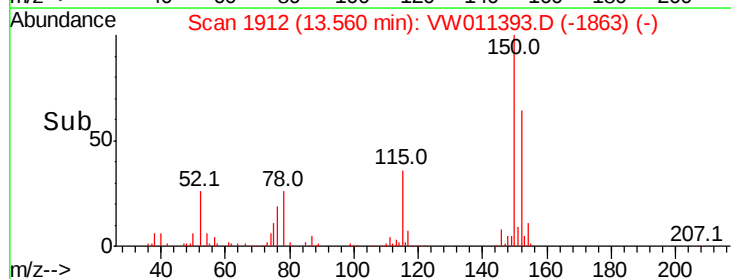
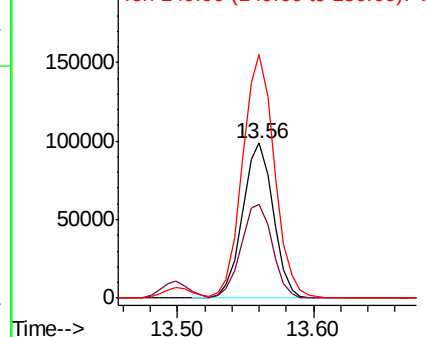
150 163.3 0.0 346.0

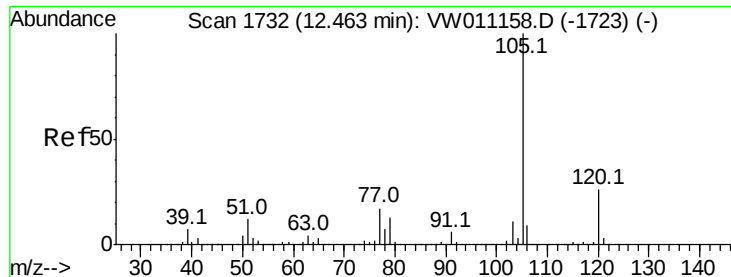


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





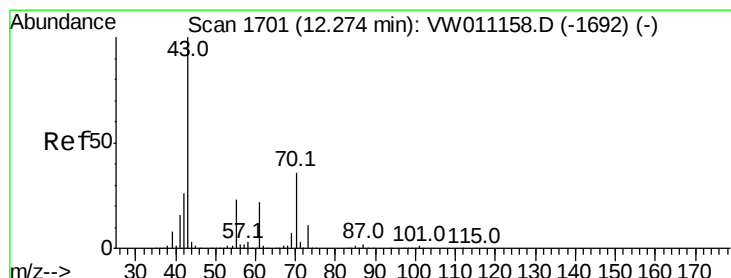
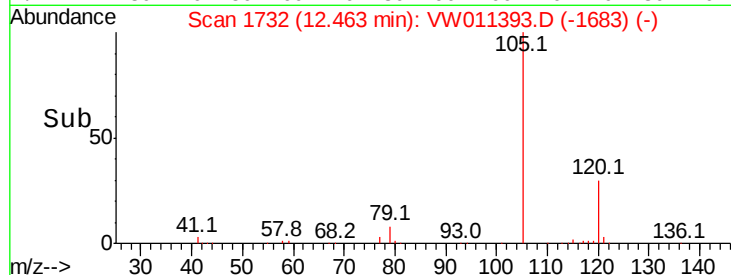
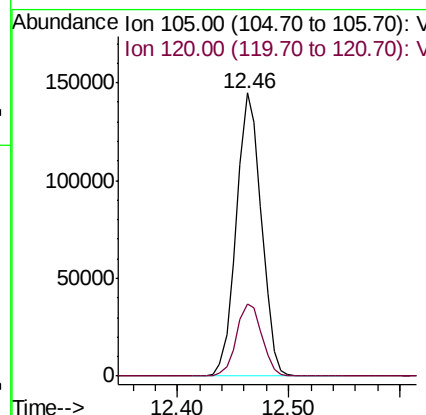
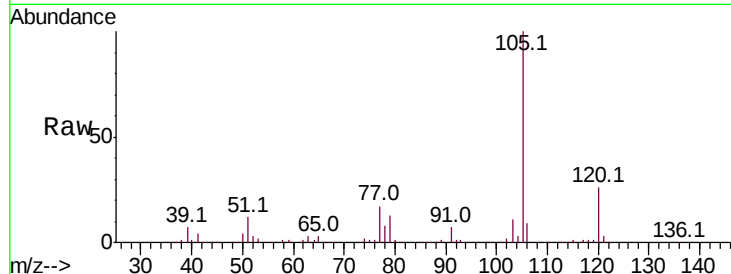
#73
Isopropylbenzene
Concen: 19.365 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.3

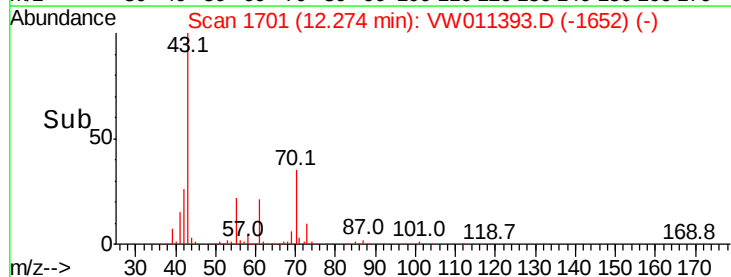
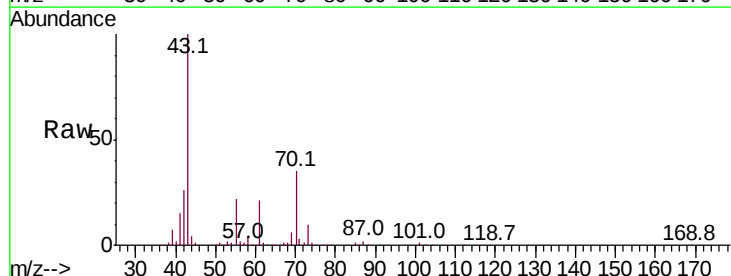
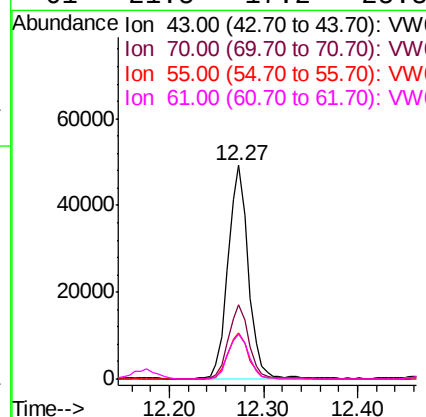
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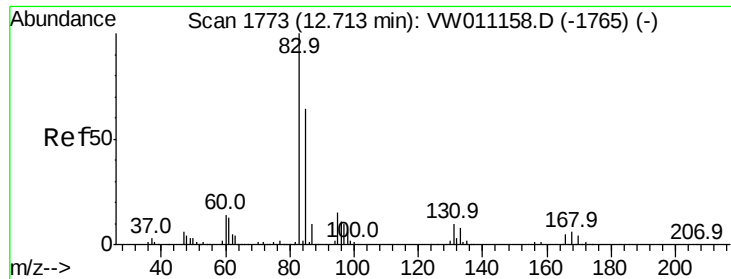
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#74
N-ethyl acetate
Concen: 18.145 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.6	28.5	42.7
55	22.1	18.1	27.1
61	21.5	17.2	25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.539 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

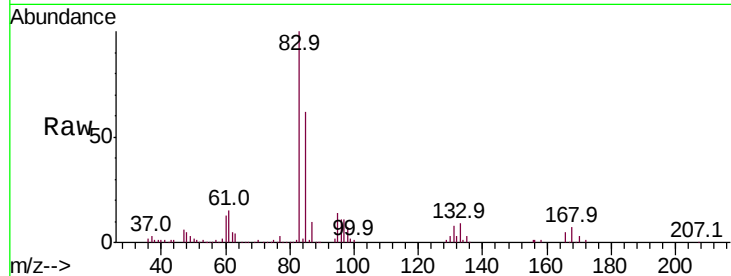
ClientSampleId :

VW0720SBS01

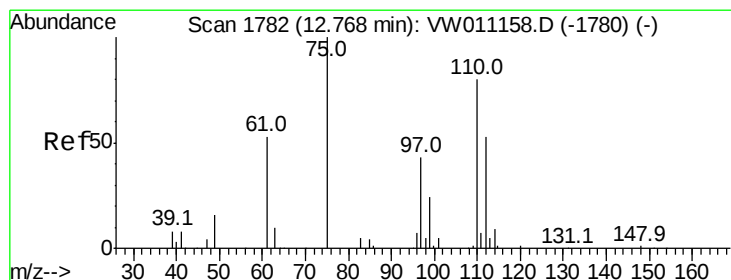
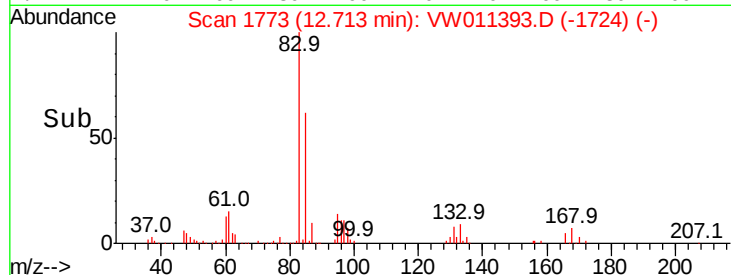
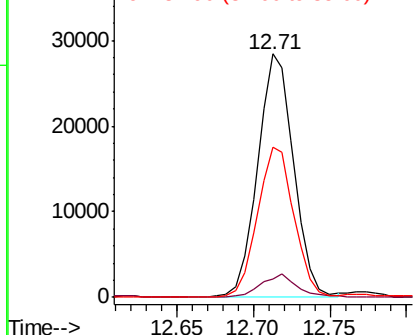
Tot Ion:	83	Resp:	46576
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	62.9	31.6	94.8

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 21.453 ug/l m

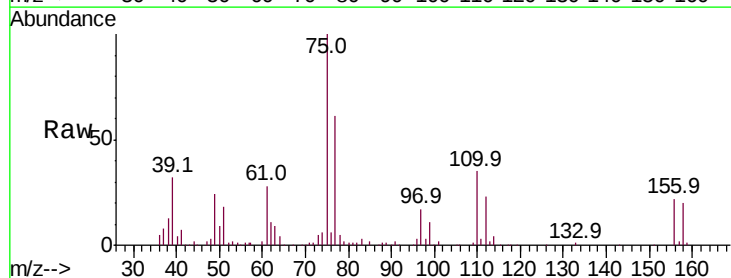
RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

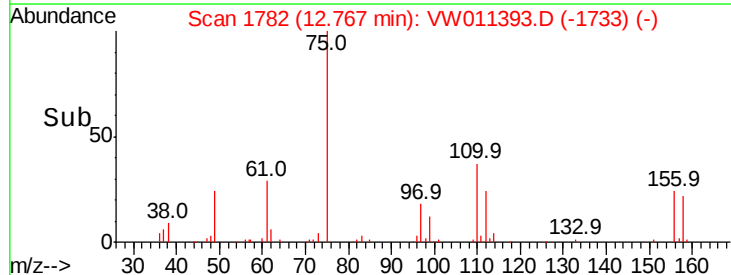
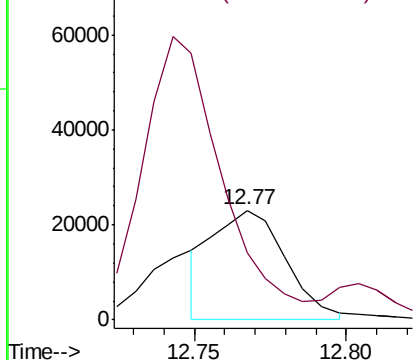
Lab File: VW011393.D

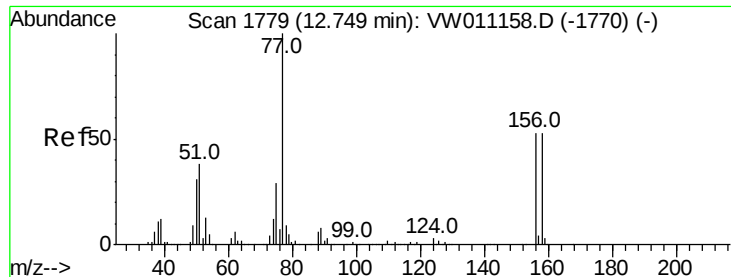
Acq: 20 Jul 2019 00:25

Tgt Ion:	75	Resp:	38567
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





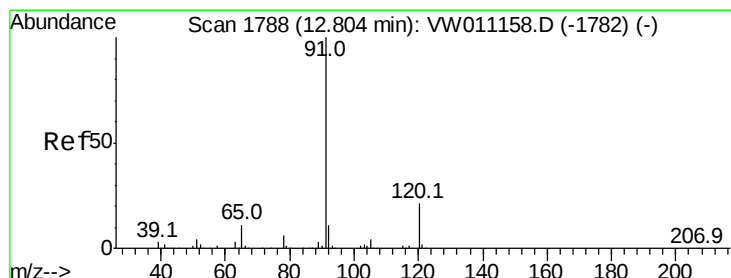
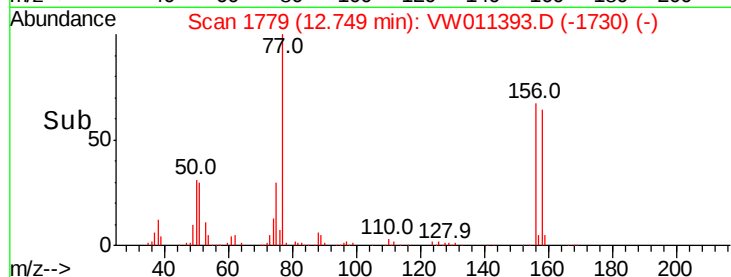
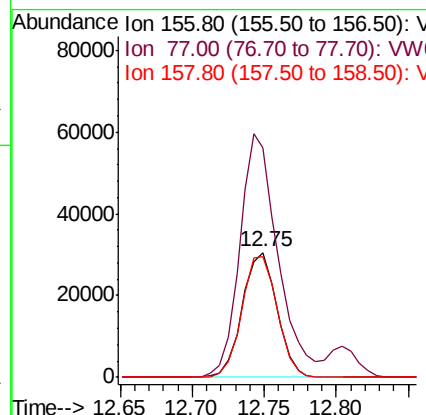
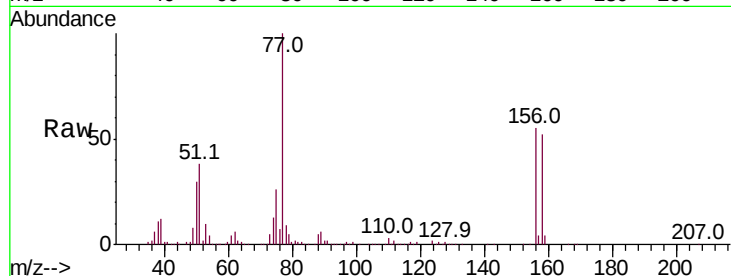
#77
Bromobenzene
Concen: 19.552 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.5	109.0	327.0
158	98.7	48.8	146.3

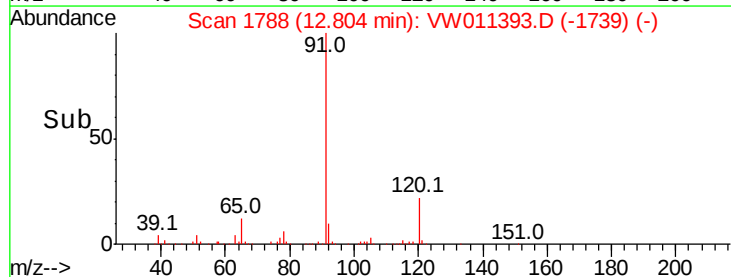
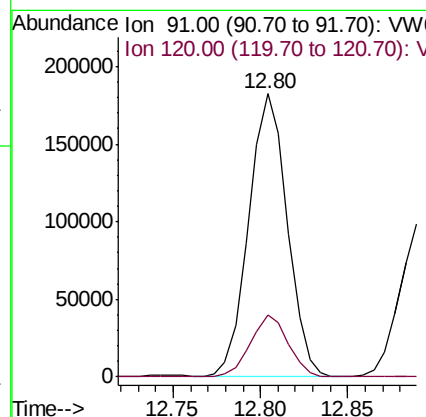
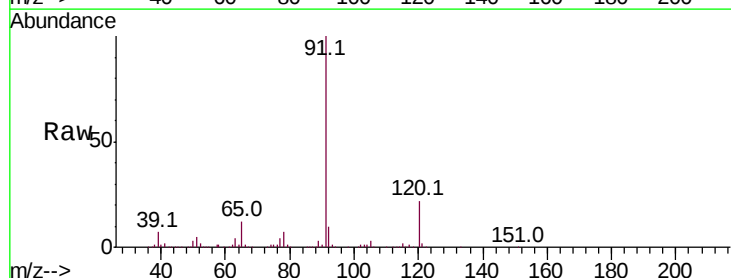
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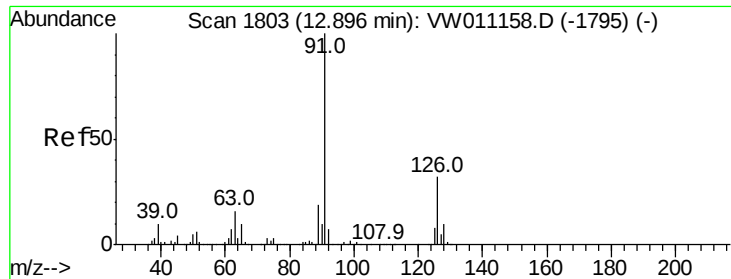
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#78
n-propylbenzene
Concen: 19.446 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





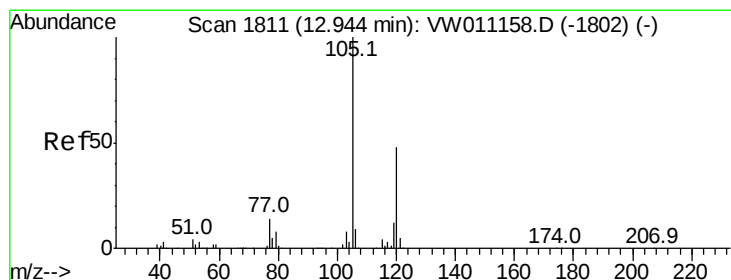
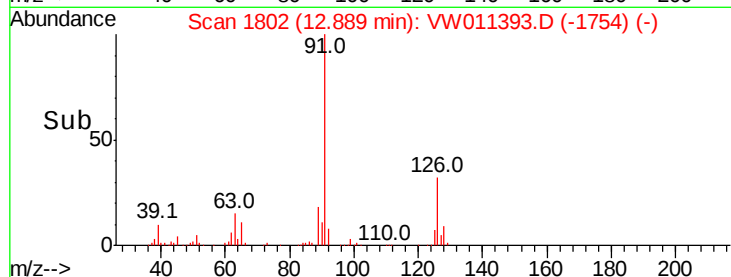
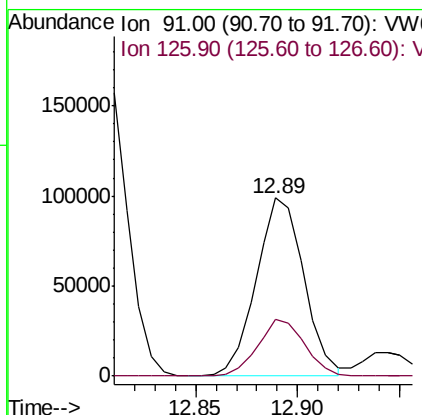
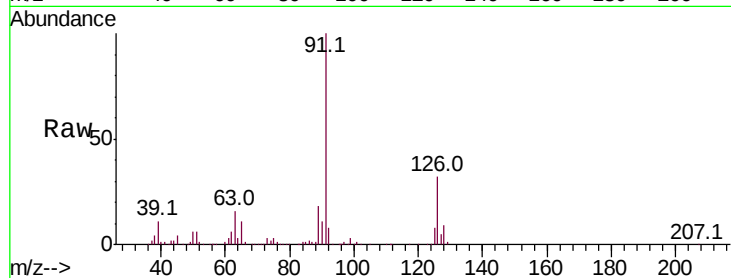
#79
2-Chlorotoluene
Concen: 19.480 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBSD01

Tot Ion: 91 Resp: 160579
Ion Ratio Lower Upper
91 100
126 31.6 15.8 47.3

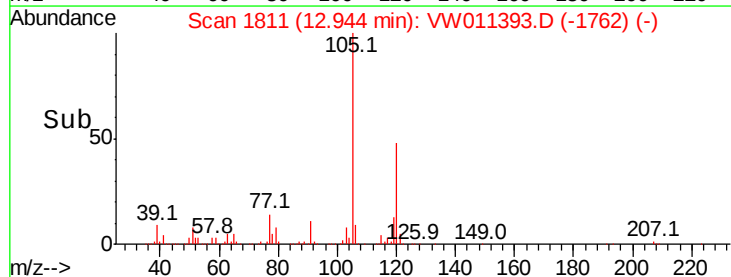
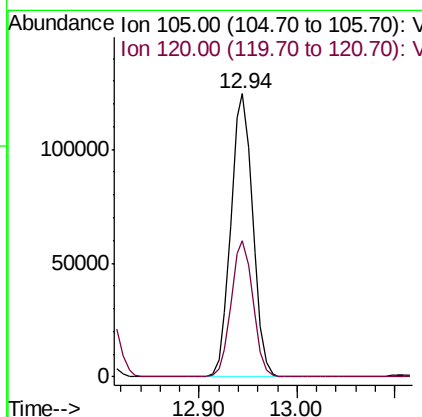
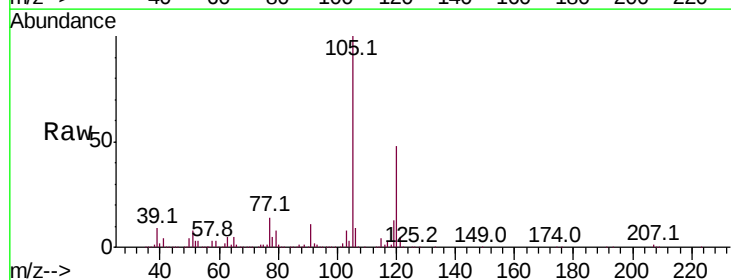
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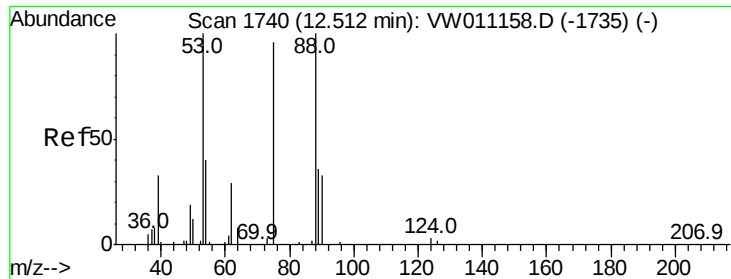
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.599 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion:105 Resp: 193621
Ion Ratio Lower Upper
105 100
120 48.0 24.1 72.2





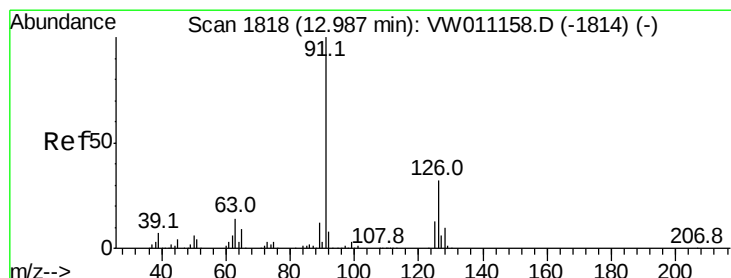
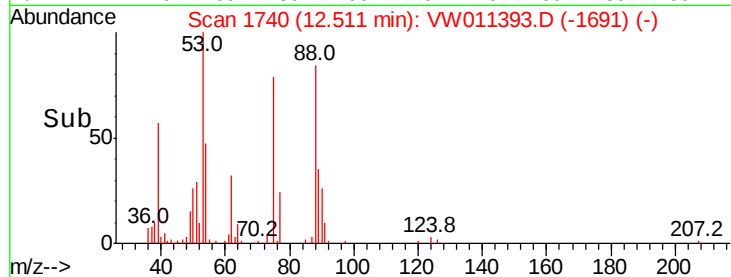
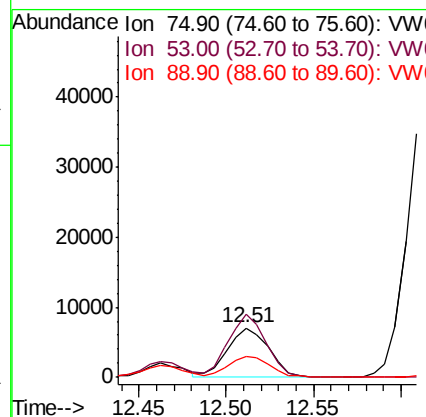
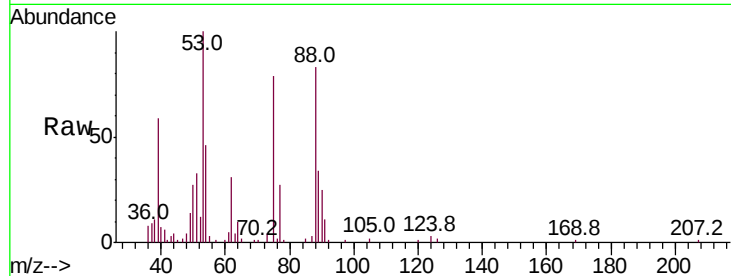
#81
trans-1,4-Dichloro-2-butene
Concen: 14.686 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion: 75 Resp: 11673
Ion Ratio Lower Upper
75 100
53 116.3 89.8 134.6
89 42.2 34.3 51.5

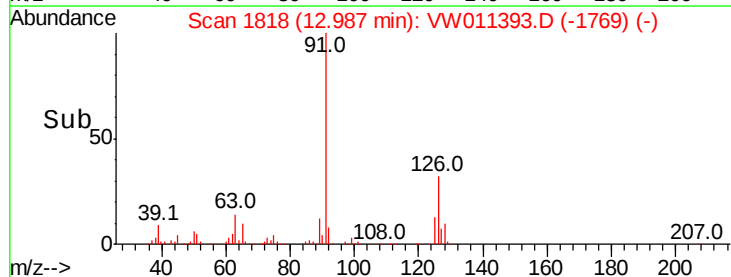
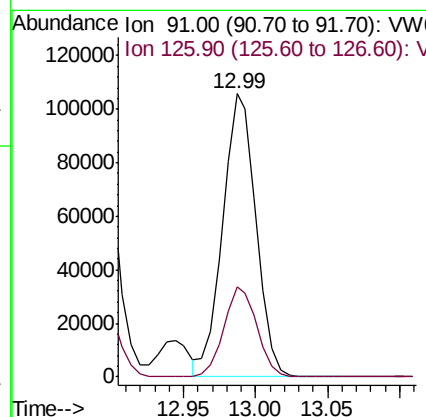
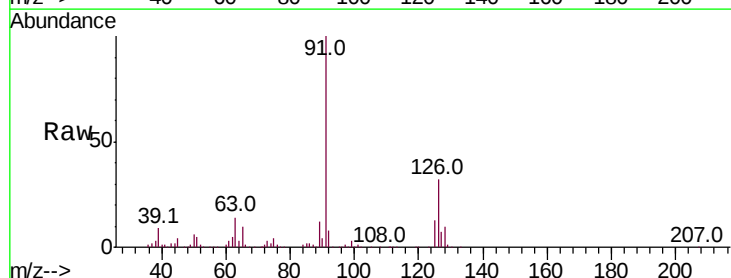
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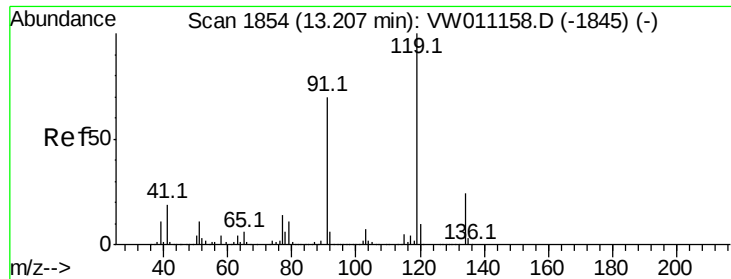
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#82
4-Chlorotoluene
Concen: 19.947 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion: 91 Resp: 171266
Ion Ratio Lower Upper
91 100
126 31.5 15.7 47.1





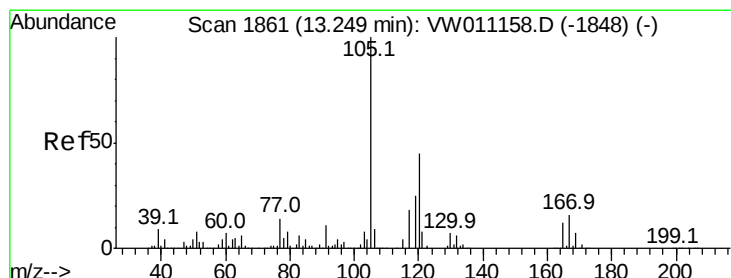
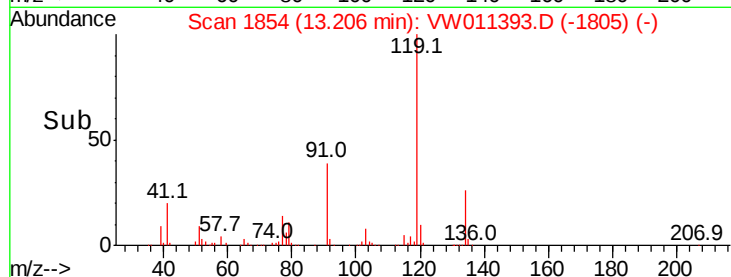
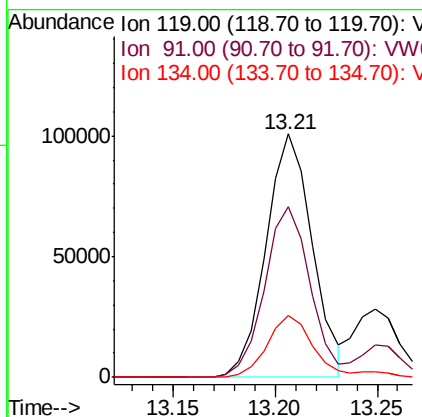
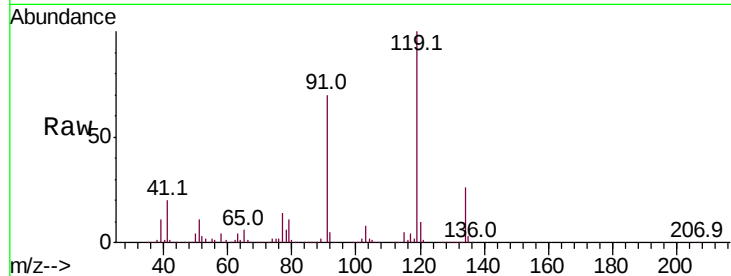
#83
tert-Butylbenzene
Concen: 19.394 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	159792		
91	70.0	35.4	106.3	
134	24.7	13.4	40.2	

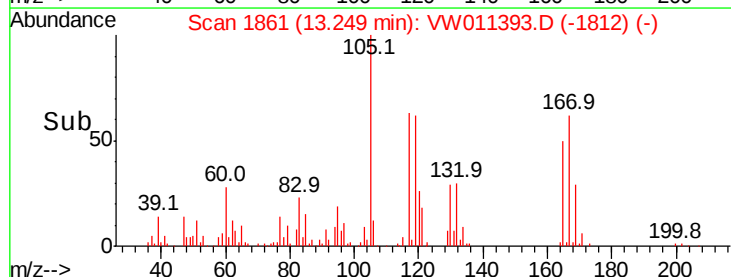
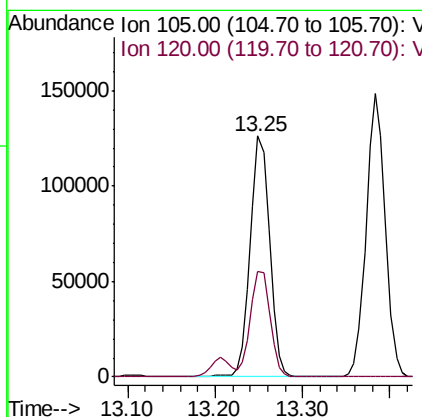
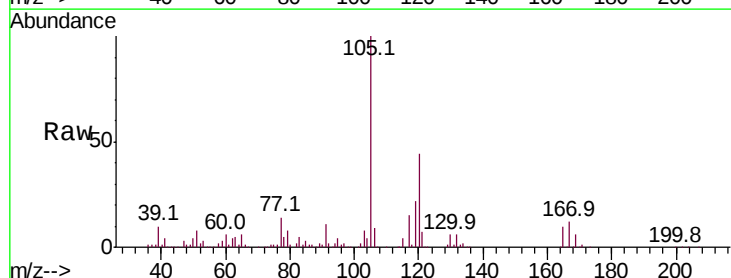
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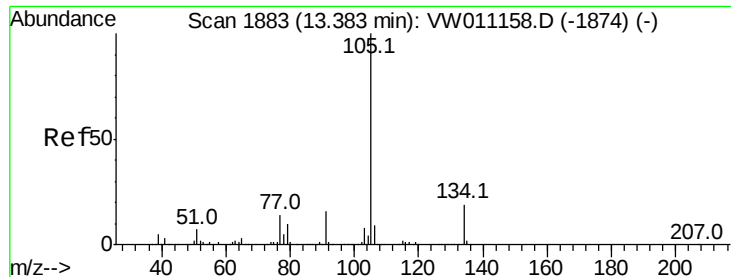
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#84
1,2,4-Trimethylbenzene
Concen: 19.657 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	194995		
120	44.6	22.3	66.9	





#85

sec-Butylbenzene

Concen: 19.005 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion:105 Resp: 225953

Ion Ratio Lower Upper

105 100

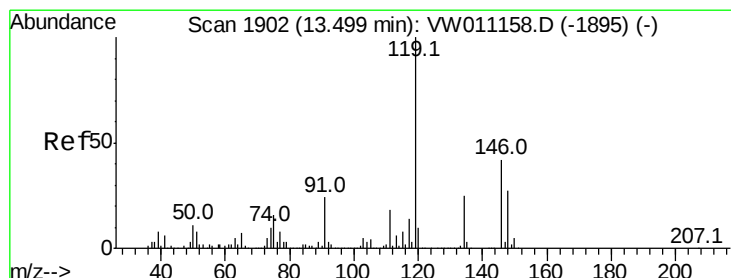
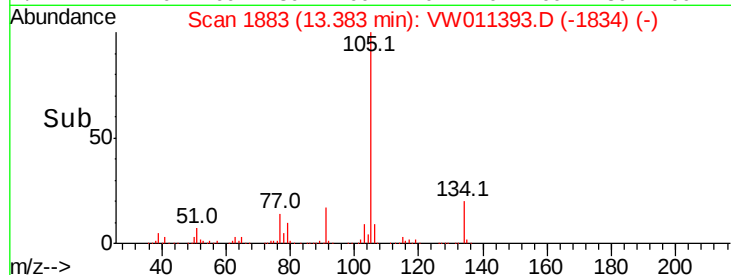
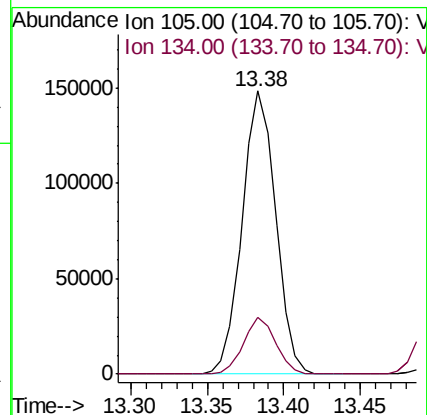
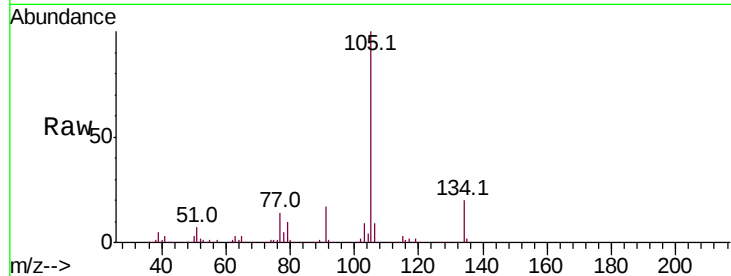
134 19.3 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 19.111 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

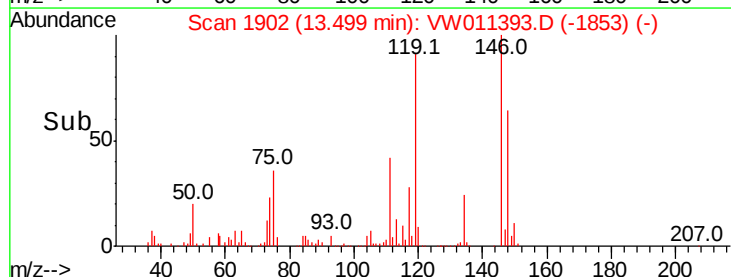
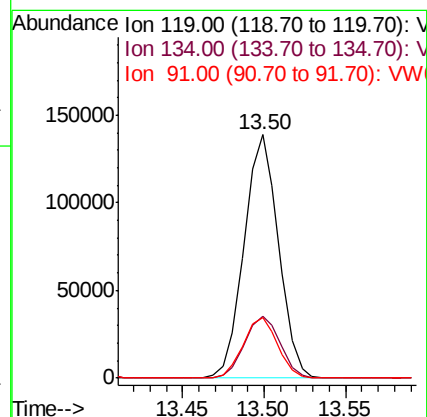
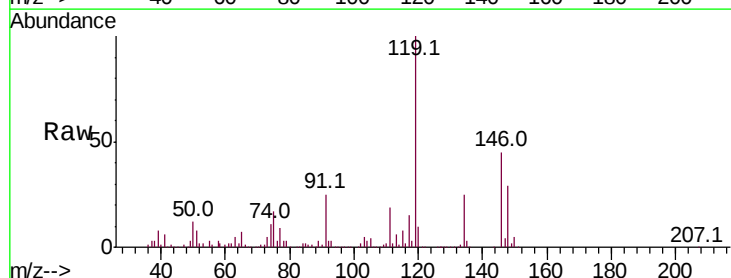
Tgt Ion:119 Resp: 203782

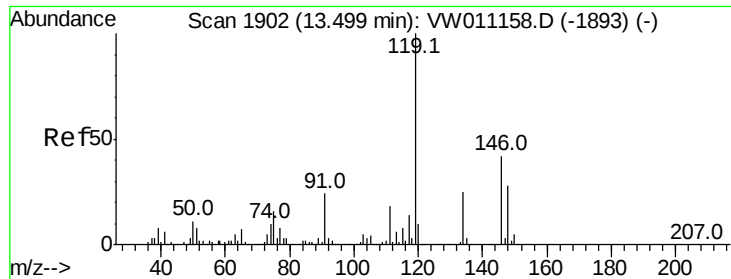
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

91 24.8 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 19.789 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

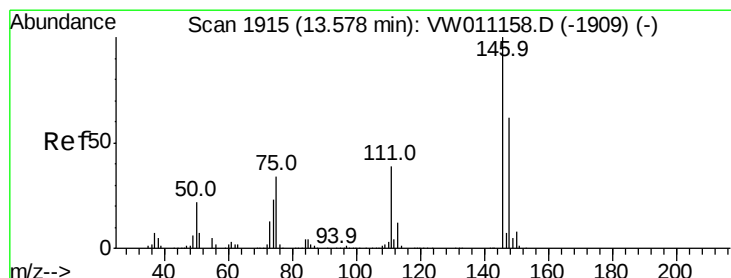
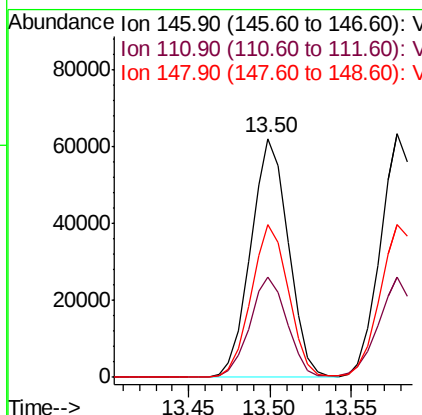
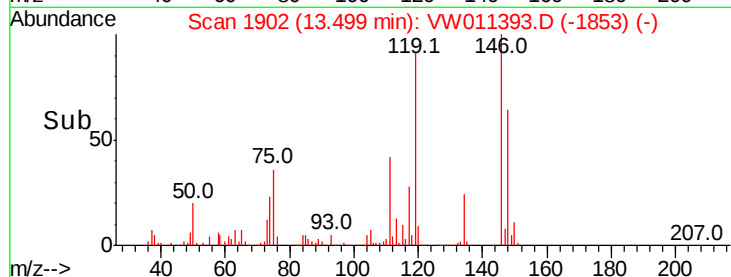
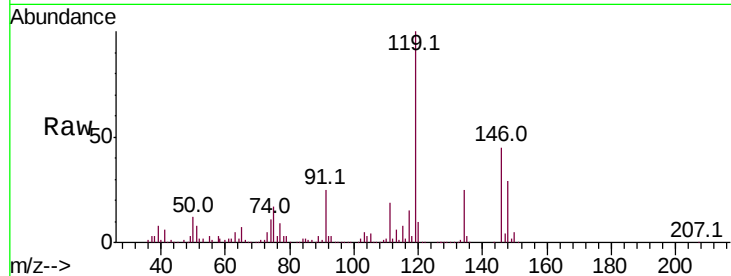
Instrument :
MSVOA_W

ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.1
148	63.6	32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 19.669 ug/l

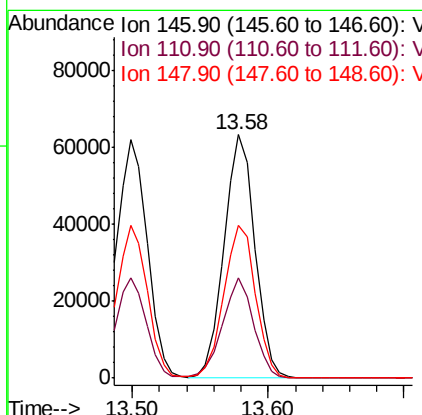
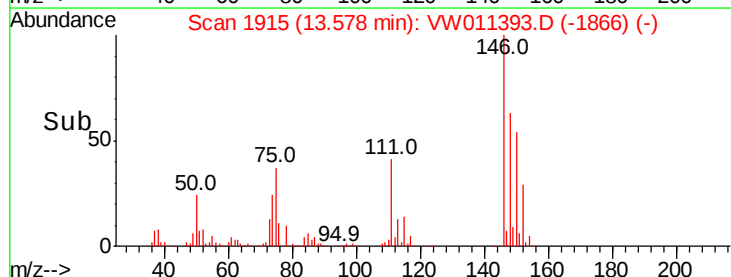
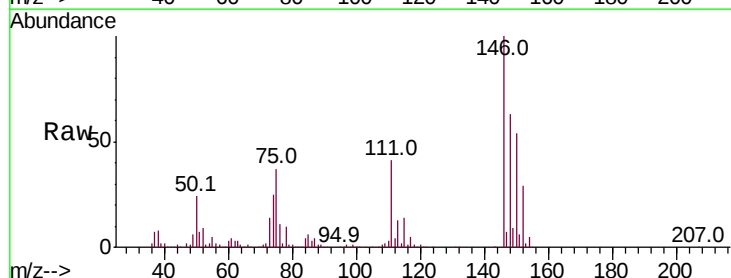
RT: 13.58 min Scan# 1915

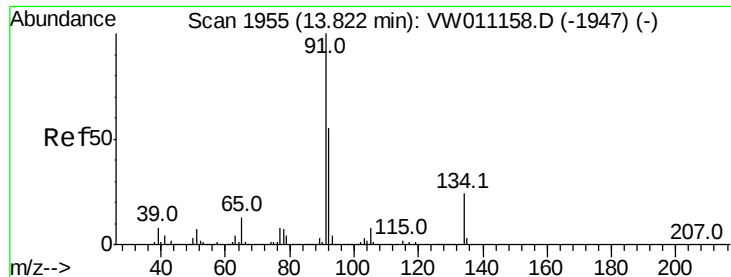
Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.9	59.7
148	64.4	31.5	94.5





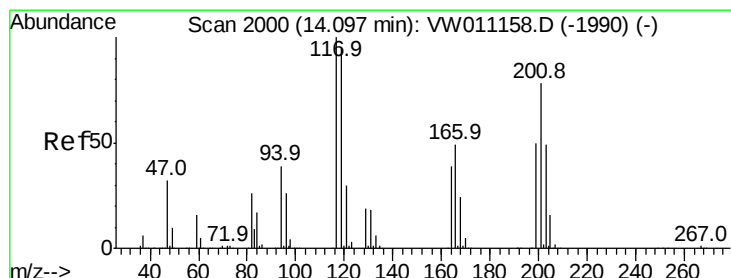
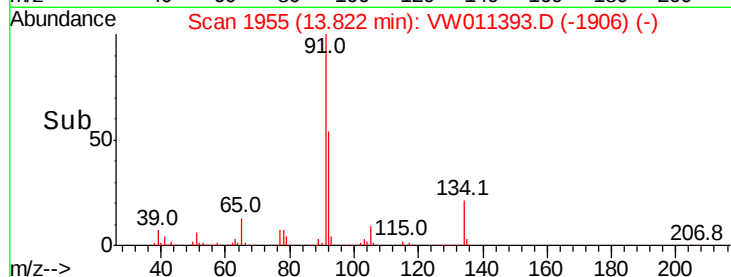
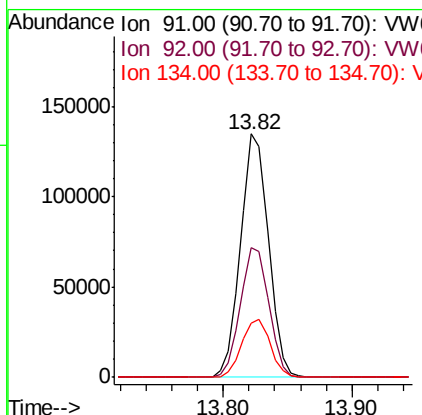
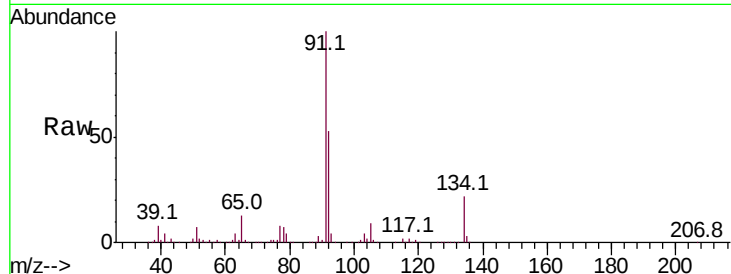
#89
n-Butylbenzene
Concen: 18.988 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	201979		
92	54.5		26.9	80.7
134	24.1		12.2	36.4

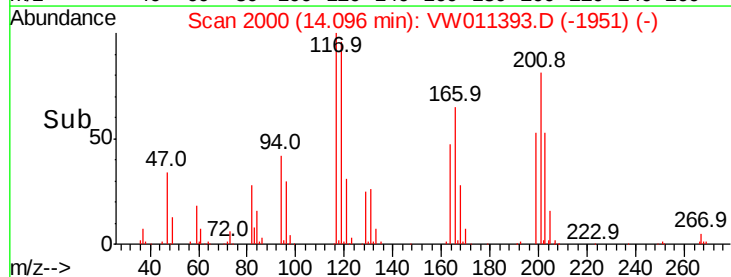
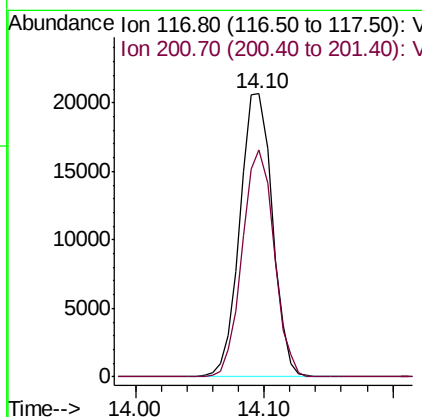
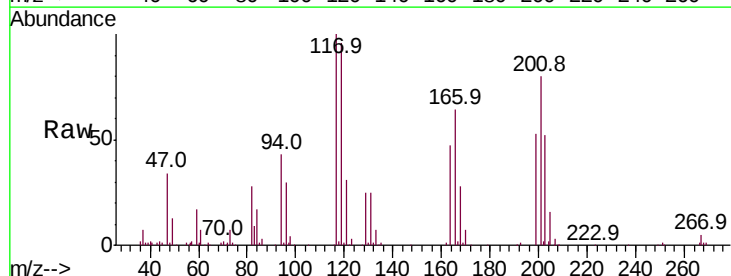
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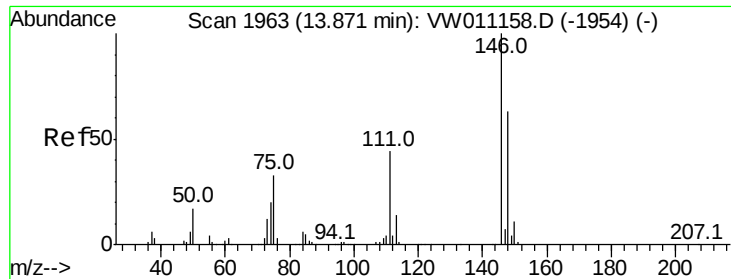
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#90
Hexachloroethane
Concen: 18.508 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW011393.D
Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36064		
201	78.4		38.3	114.8





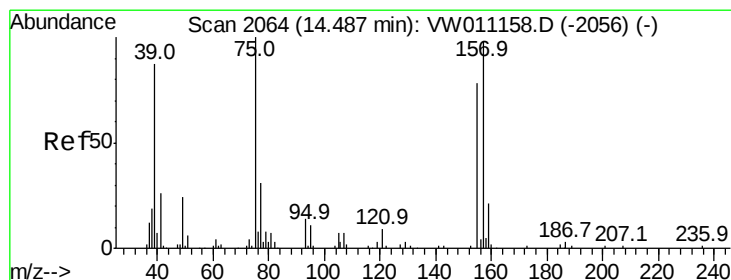
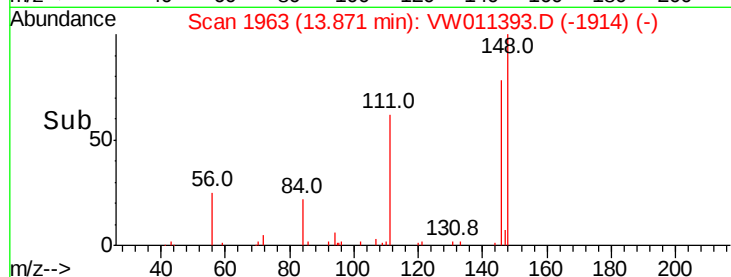
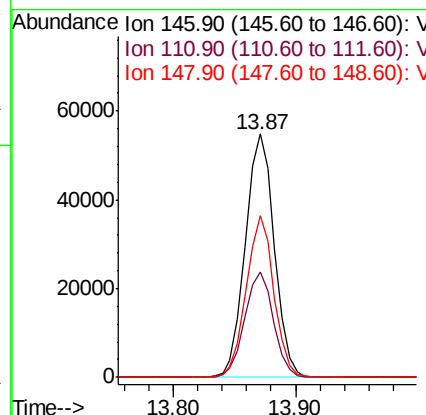
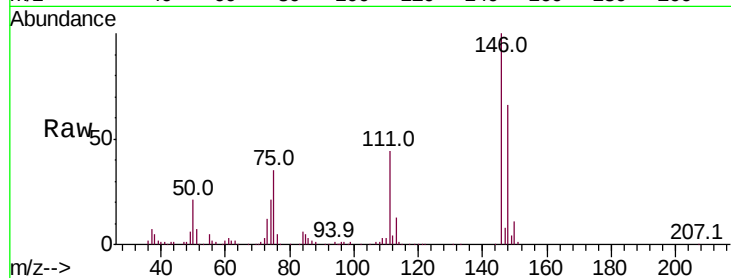
#91
 1,2-Dichlorobenzene
 Concen: 19.720 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Instrument :
 MSVOA_W
 ClientSampled :
 VW0720SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	65.0
148	63.4	31.9	95.5

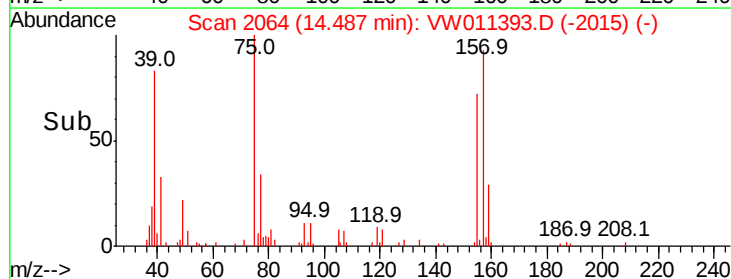
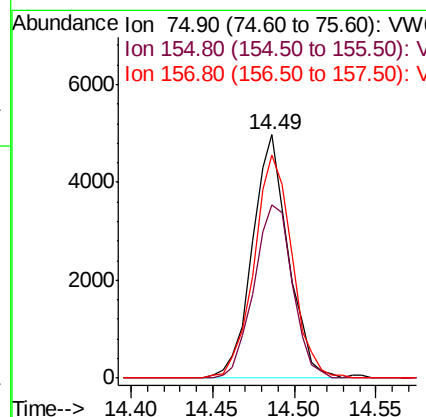
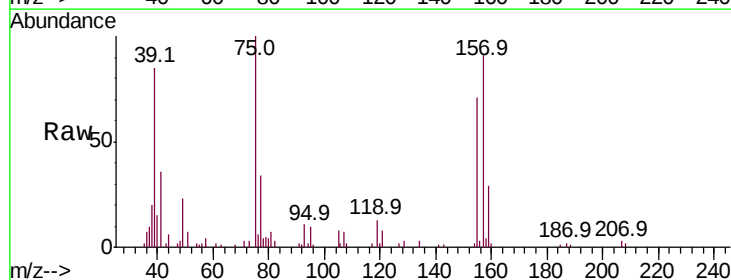
Manual Integrations
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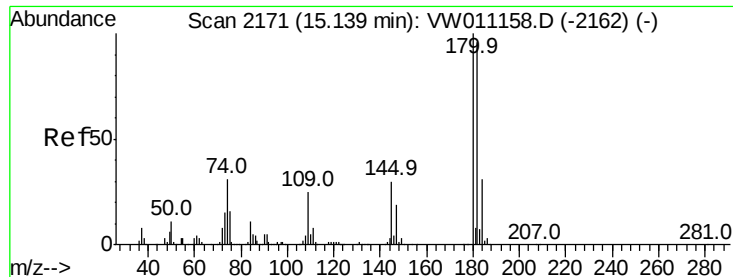
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.126 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	37.1	111.3
157	96.7	48.5	145.6





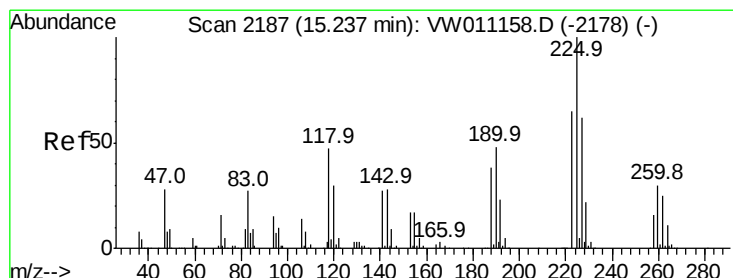
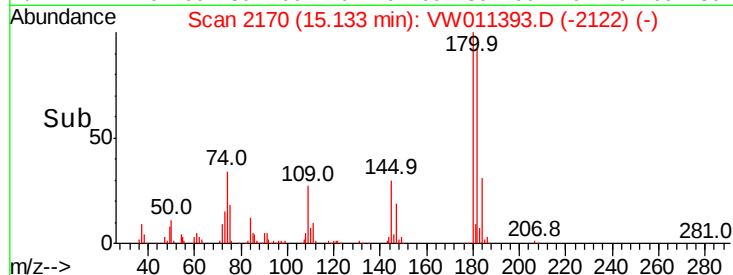
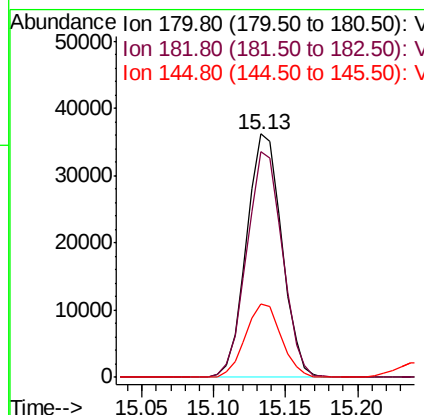
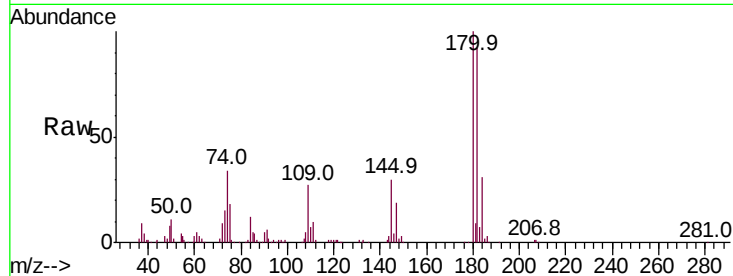
#93
 1,2,4-Trichlorobenzene
 Concen: 19.541 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.6	48.3	144.9	
145	30.6	15.5	46.5	

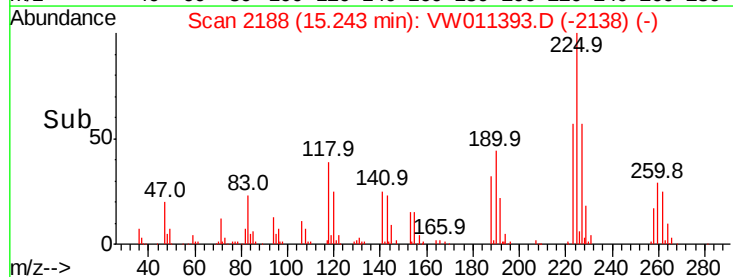
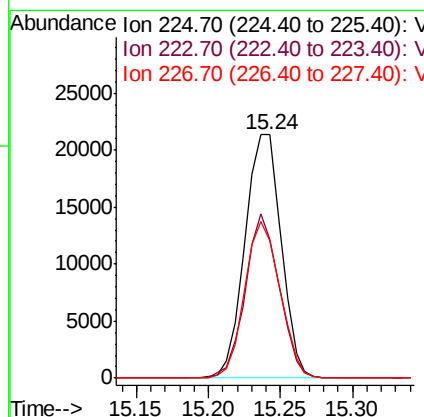
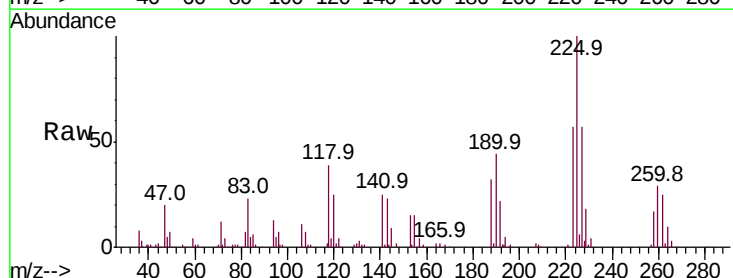
Manual Integrations
 APPROVED

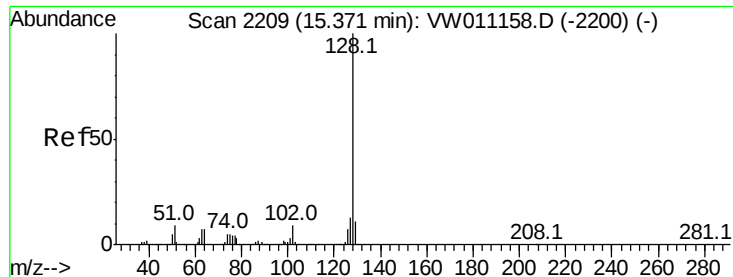
MMDadoda
 7/22/2019 9:21:51 AM



#94
 Hexachlorobutadiene
 Concen: 19.353 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW011393.D
 Acq: 20 Jul 2019 00:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.6	95.0	
227	62.3	32.0	96.0	





#95

Naphthalene

Concen: 18.768 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Instrument :

MSVOA_W

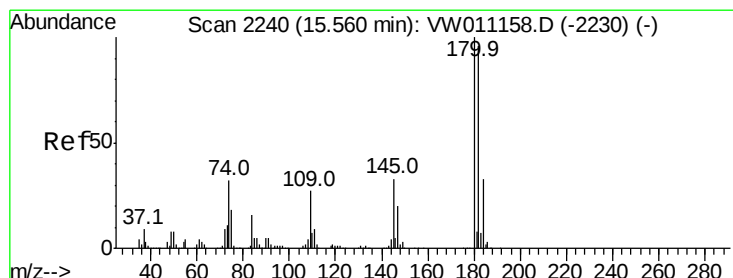
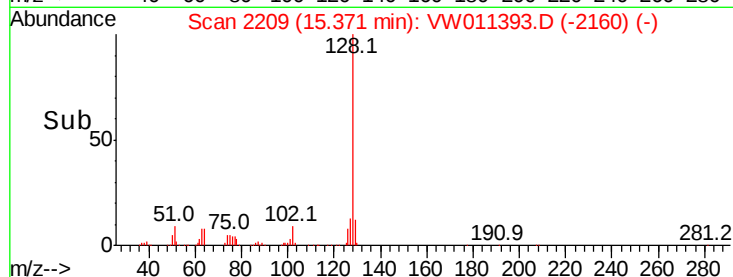
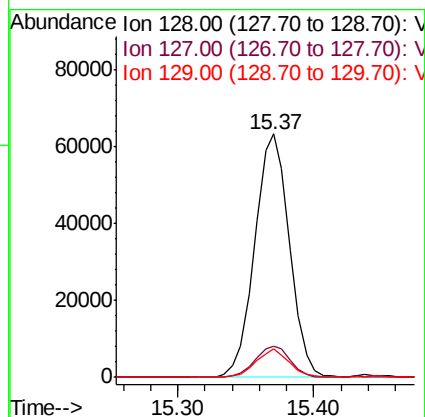
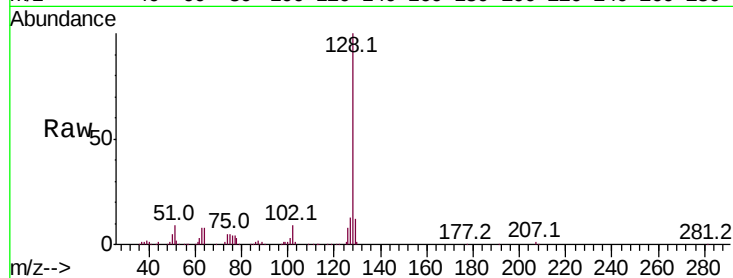
ClientSampleId :

VW0720SBS01

Tot Ion:	128	Resp:	112841
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/22/2019 9:21:51 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.988 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011393.D

Acq: 20 Jul 2019 00:25

Tgt Ion:	180	Resp:	55347
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.6	142.8
145	31.5	16.5	49.5

