

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011462.D
 Acq On : 24 Jul 2019 05:16
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/24/2019 9:34:32 AM

Quant Time: Jul 24 08:15:59 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	220895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153384	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	126187	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	
35) Dibromofluoromethane	7.88	113	104803	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
50) Toluene-d8	10.32	98	418807	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	
62) 4-Bromofluorobenzene	12.62	95	150286	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	58943	35.778	ug/l	96
3) Chloromethane	2.21	50	95466	44.971	ug/l	95
4) Vinyl Chloride	2.36	62	121627	43.774	ug/l	97
5) Bromomethane	2.76	94	62285	44.611	ug/l	99
6) Chloroethane	2.91	64	69638	46.532	ug/l	99
7) Trichlorofluoromethane	3.24	101	51825	52.505	ug/l	97
8) Diethyl Ether	3.68	74	69016	50.534	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	108562	45.917	ug/l	99
10) Methyl Iodide	4.27	142	161054	49.528	ug/l	98
11) Tert butyl alcohol	5.17	59	51736	251.759	ug/l	97
12) 1,1-Dichloroethene	4.04	96	114045	46.474	ug/l	89
13) Acrolein	3.89	56	37647	230.064	ug/l	100
14) Allyl chloride	4.66	41	242538	54.200	ug/l	97
15) Acrylonitrile	5.36	53	178464	256.577	ug/l	99
16) Acetone	4.12	43	143846	215.387	ug/l	97
17) Carbon Disulfide	4.38	76	315726	42.439	ug/l	99
18) Methyl Acetate	4.67	43	91473	48.111	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	203631	54.690	ug/l	99
20) Methylene Chloride	4.92	84	130817	49.653	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	127778	50.112	ug/l	94
22) Diisopropyl ether	6.31	45	509687	52.957	ug/l	98
23) Vinyl Acetate	6.25	43	1521357	255.418	ug/l	99
24) 1,1-Dichloroethane	6.21	63	260975	51.638	ug/l	99
25) 2-Butanone	7.17	43	255368	243.592	ug/l	98
26) 2,2-Dichloropropane	7.17	77	127980	48.715	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	147069	53.469	ug/l	98
28) Bromochloromethane	7.51	49	96639	42.053	ug/l	99
29) Tetrahydrofuran	7.52	42	167354	243.456	ug/l	99
30) Chloroform	7.67	83	240692	51.425	ug/l	99
31) Cyclohexane	7.95	56	243628	45.312	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	182644	51.298	ug/l	98
36) 1,1-Dichloropropene	8.08	75	192582	47.491	ug/l	100
37) Ethyl Acetate	7.25	43	114880	47.151	ug/l	99
38) Carbon Tetrachloride	8.07	117	161215	46.897	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	230521	46.902	ug/l	99
40) Benzene	8.32	78	555640	49.581	ug/l	98
41) Methacrylonitrile	7.48	41	70983	50.940	ug/l	93
42) 1,2-Dichloroethane	8.40	62	170781	46.977	ug/l	98
43) Isopropyl Acetate	8.42	43	222909	48.459	ug/l	98
44) Trichloroethene	9.09	130	135620	50.289	ug/l	97
45) 1,2-Dichloropropane	9.37	63	154101	50.779	ug/l	100
46) Dibromomethane	9.46	93	68526	48.069	ug/l	97
47) Bromodichloromethane	9.64	83	178637	48.974	ug/l	99
48) Methyl methacrylate	9.43	41	109733	49.586	ug/l	99
49) 1,4-Dioxane	9.45	88	21587	907.197	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	576084	239.748	ug/l	99
52) Toluene	10.38	92	338563	49.802	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	185158	47.689	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	221816	48.537	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	99119	49.011	ug/l	99
56) Ethyl methacrylate	10.65	69	154781	50.269	ug/l	97
57) 1,3-Dichloropropane	10.93	76	188266	49.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	331452	232.199	ug/l	99
59) 2-Hexanone	10.97	43	388701	233.259	ug/l	99
60) Dibromochloromethane	11.13	129	137261	61.894	ug/l	84
61) 1,2-Dibromoethane	11.23	107	93311	48.709	ug/l	99
64) Tetrachloroethene	10.86	164	114827	52.075	ug/l	98
65) Chlorobenzene	11.66	112	341259	51.366	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	120559	51.537	ug/l	99
67) Ethyl Benzene	11.73	91	656324	51.604	ug/l	100
68) m/p-Xylenes	11.84	106	472119	102.589	ug/l	99
69) o-Xylene	12.16	106	225031	51.880	ug/l	98
70) Styrene	12.18	104	391718	52.328	ug/l	99
71) Bromoform	12.35	173	64419	51.795	ug/l #	93
73) Isopropylbenzene	12.46	105	621332	54.189	ug/l	100
74) N-amyl acetate	12.27	43	202539	50.719	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	118083	50.240	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	81189m	45.804	ug/l	
77) Bromobenzene	12.74	156	138282	53.740	ug/l	96
78) n-propylbenzene	12.80	91	735107	52.045	ug/l	100
79) 2-Chlorotoluene	12.89	91	422477	51.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	526463	54.046	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35036	44.707	ug/l	95
82) 4-Chlorotoluene	12.99	91	434996	51.383	ug/l	100
83) tert-Butylbenzene	13.21	119	444884	54.762	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	529253	54.110	ug/l	99
85) sec-Butylbenzene	13.38	105	605247	51.632	ug/l	99
86) p-Isopropyltoluene	13.50	119	546043	51.935	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	253604	51.225	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	251376	50.423	ug/l	99
89) n-Butylbenzene	13.82	91	517691	49.358	ug/l	99
90) Hexachloroethane	14.10	117	97134	50.557	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	228880	50.959	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19238	46.145	ug/l	90

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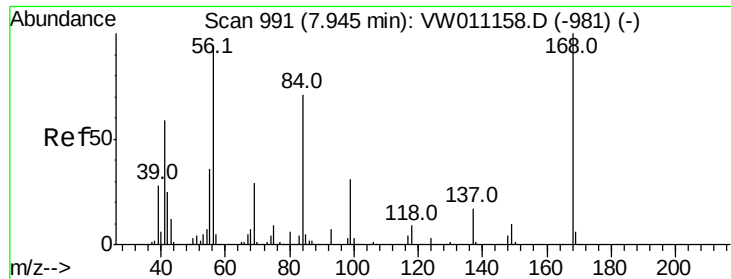
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	154348	49.893	ug/l	98
94) Hexachlorobutadiene	15.24	225	92571	48.740	ug/l	99
95) Naphthalene	15.37	128	312692	52.747	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	137459	50.347	ug/l	99

(#) = 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: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 220895

Ion Ratio Lower Upper

168 100

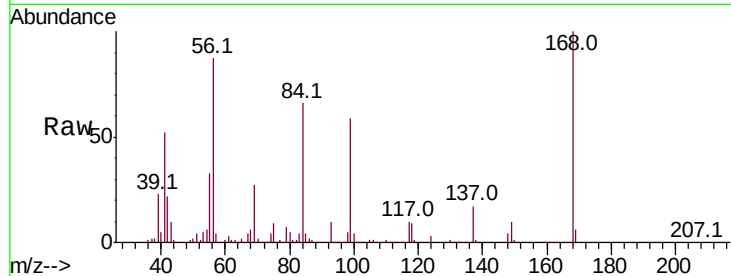
99 58.4 50.1 75.1

Manual Integrations

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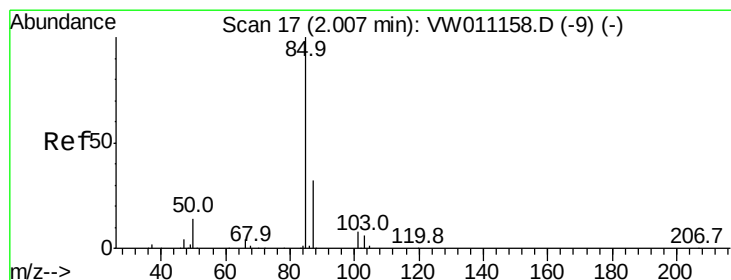
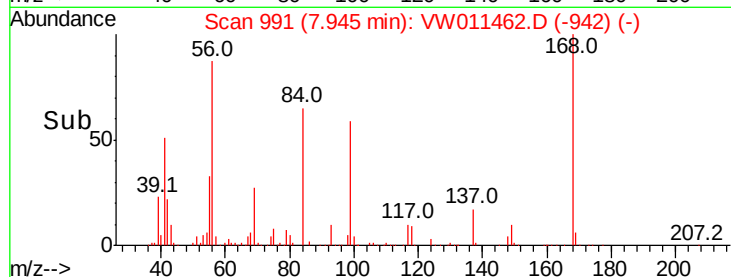
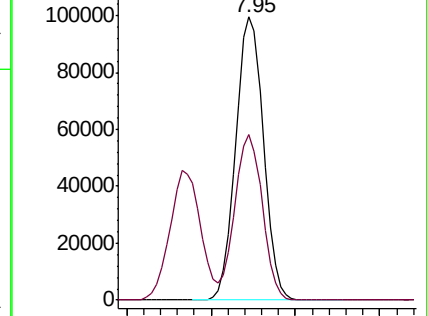
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 35.778 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011462.D

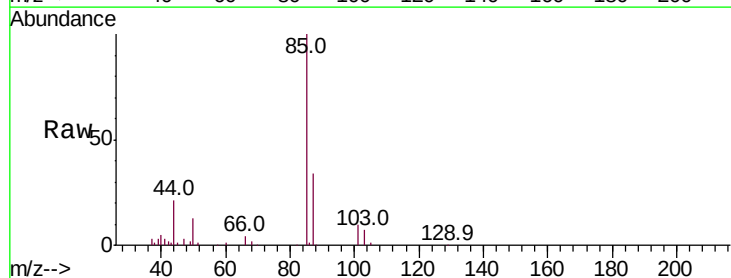
Acq: 24 Jul 2019 05:16

Tgt Ion: 85 Resp: 58943

Ion Ratio Lower Upper

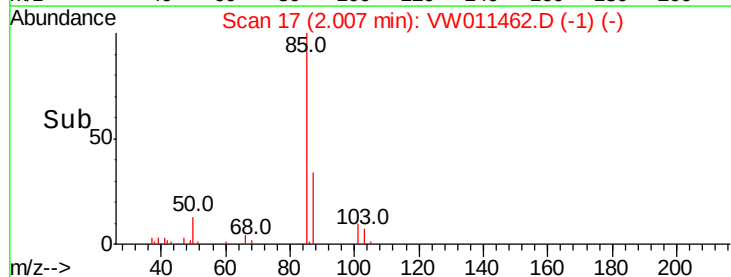
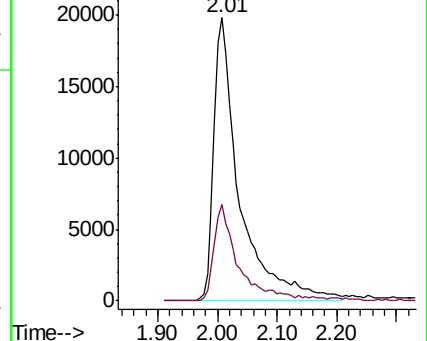
85 100

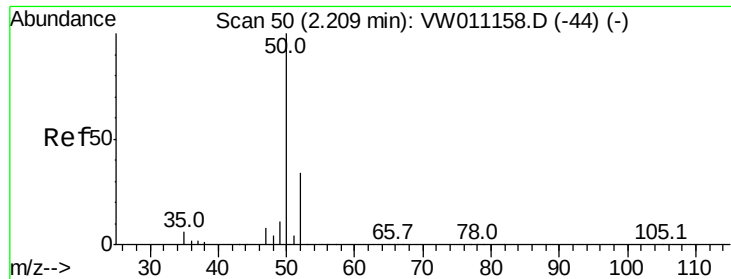
87 33.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 44.971 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 95466

Ion Ratio Lower Upper

50 100

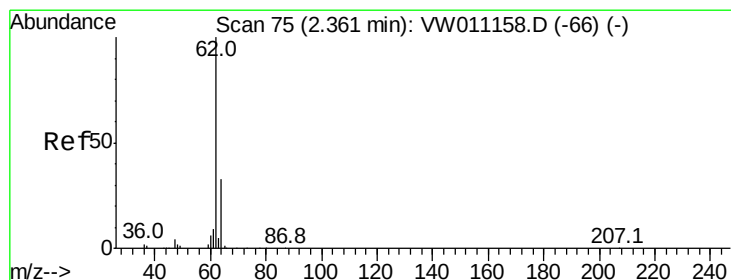
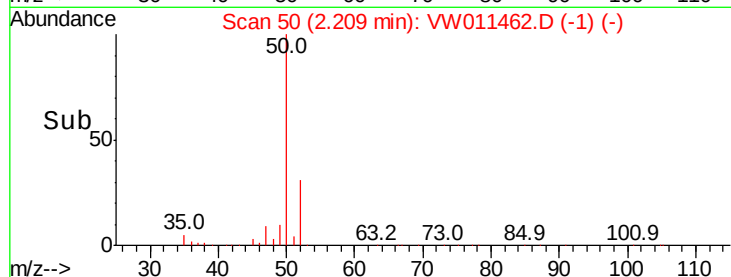
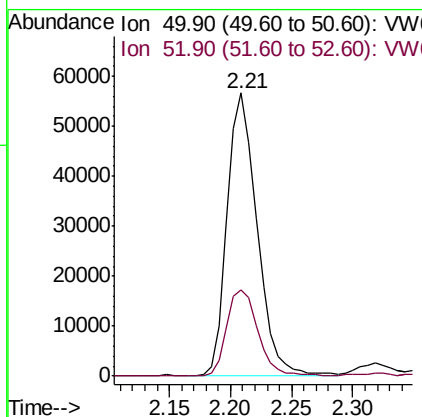
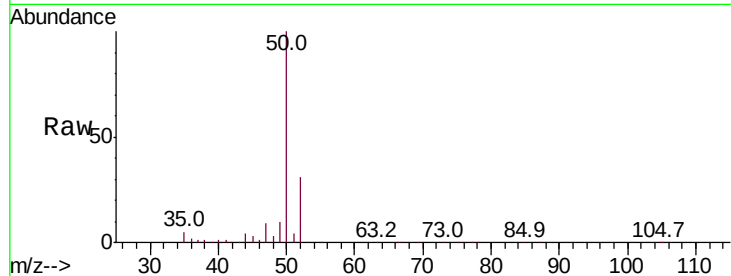
52 30.7 26.9 40.3

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#4

Vinyl Chloride

Concen: 43.774 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011462.D

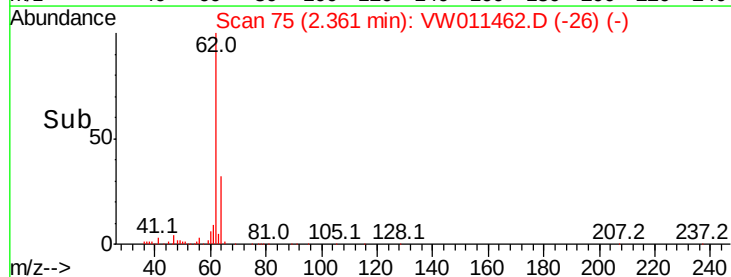
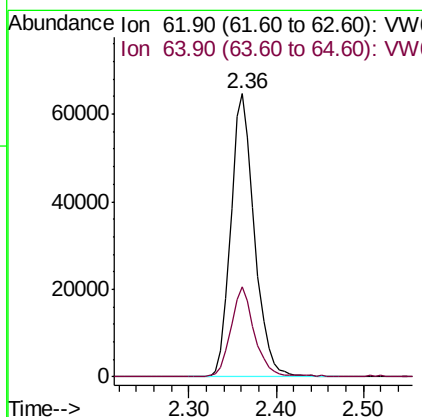
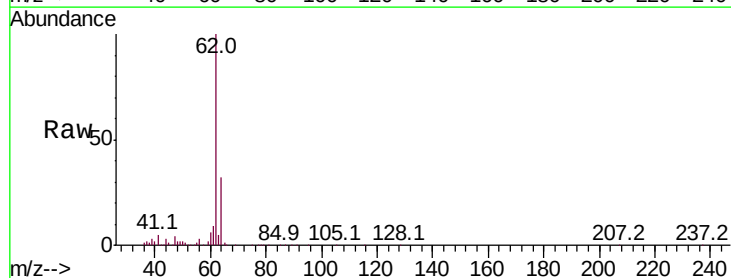
Acq: 24 Jul 2019 05:16

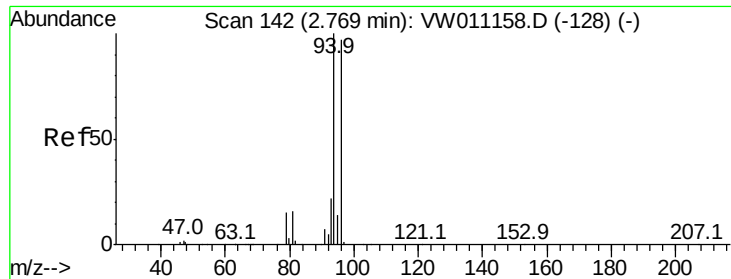
Tgt Ion: 62 Resp: 121627

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 44.611 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 62285

Ion Ratio Lower Upper

94 100

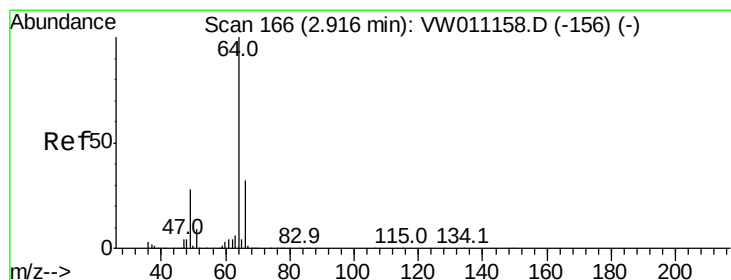
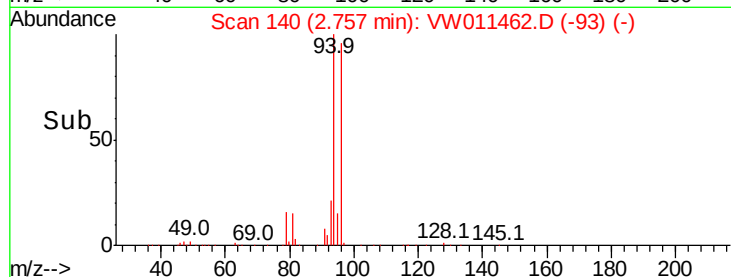
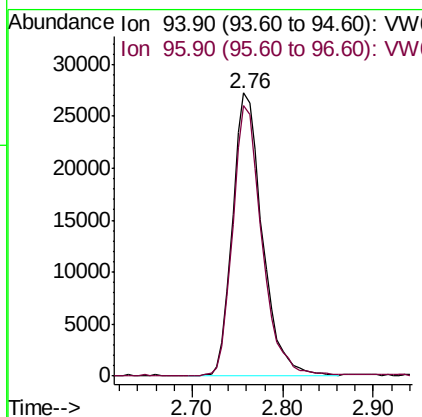
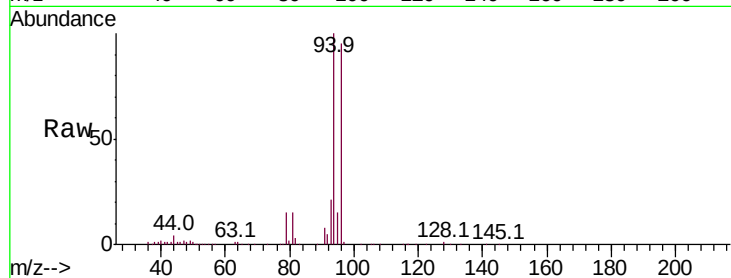
96 95.4 77.4 116.0

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#6

Chloroethane

Concen: 46.532 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011462.D

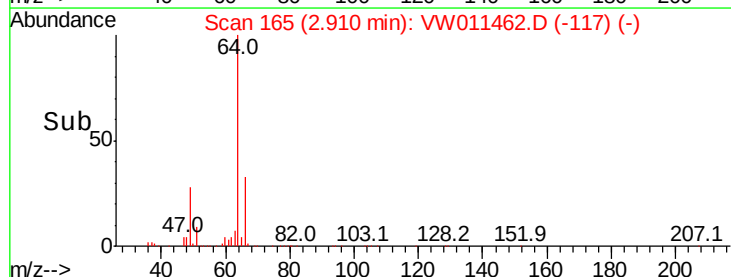
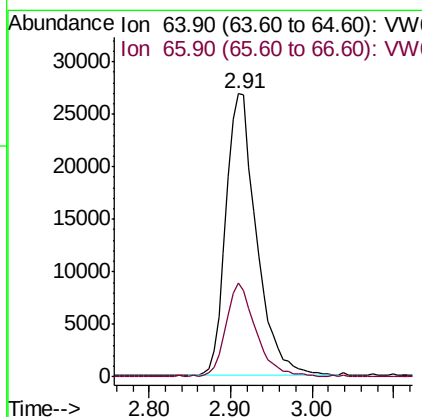
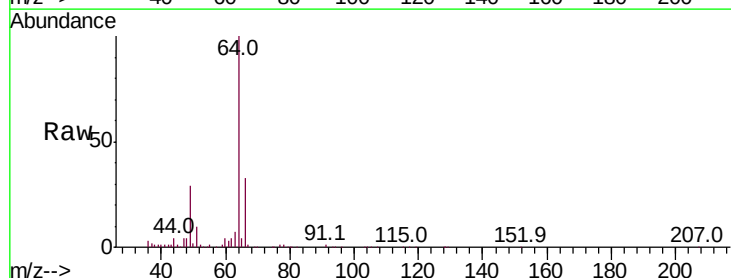
Acq: 24 Jul 2019 05:16

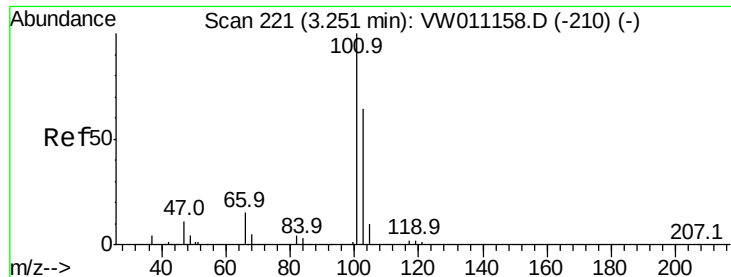
Tgt Ion: 64 Resp: 69638

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.8





#7

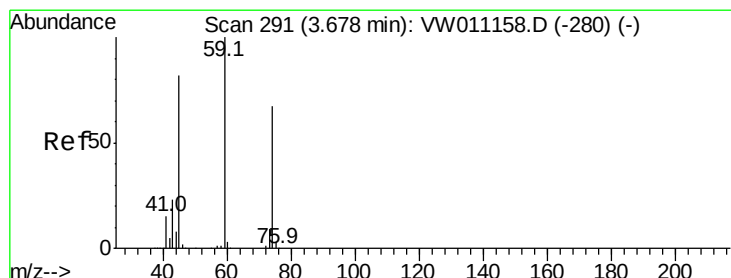
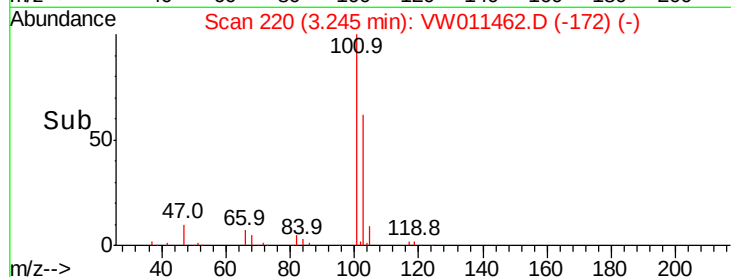
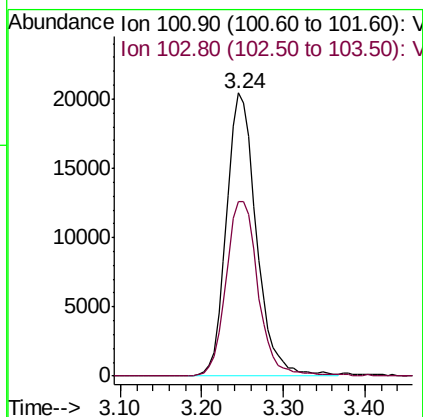
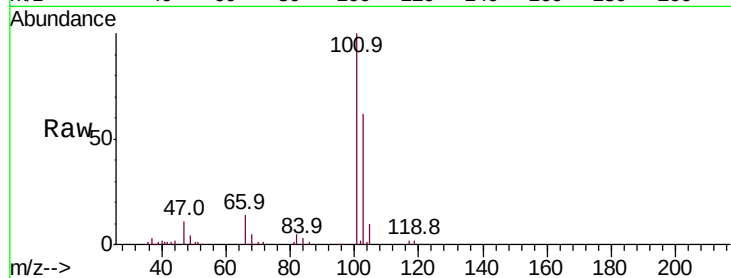
Trichlorofluoromethane
Concen: 52.505 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	51.3	76.9

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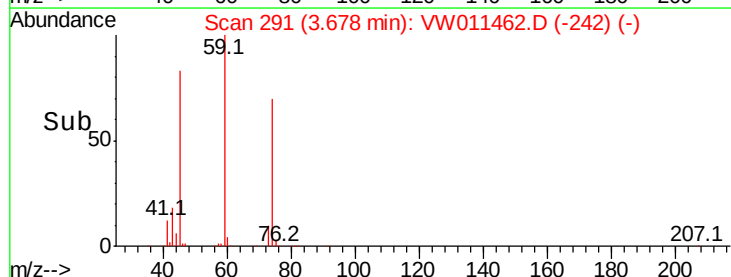
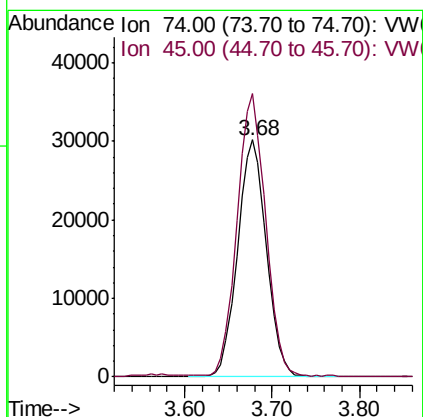
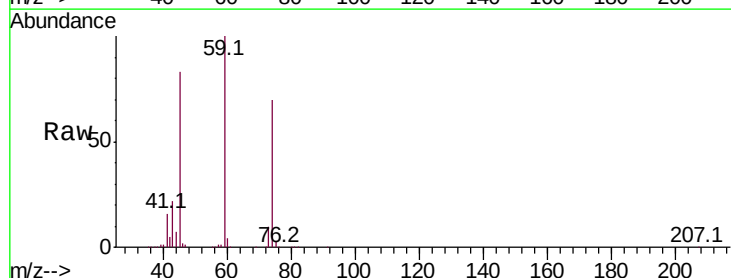
MMDadoda
7/24/2019 9:34:32 AM

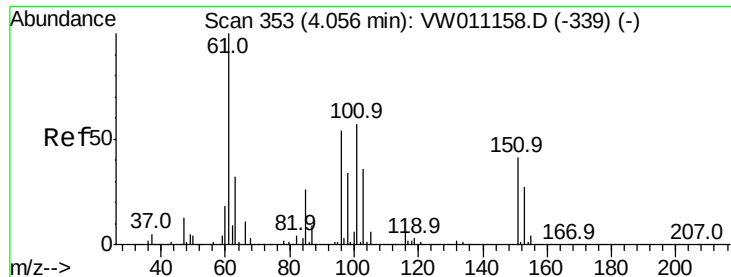


#8

Diethyl Ether
Concen: 50.534 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.1	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.917 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

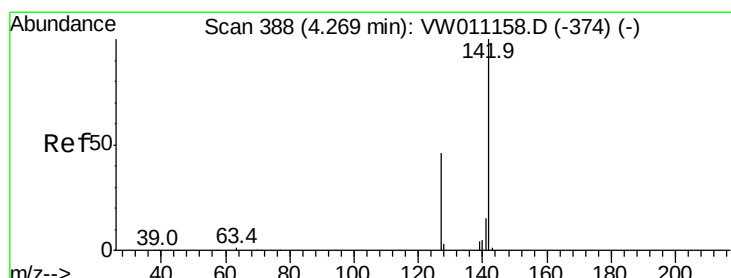
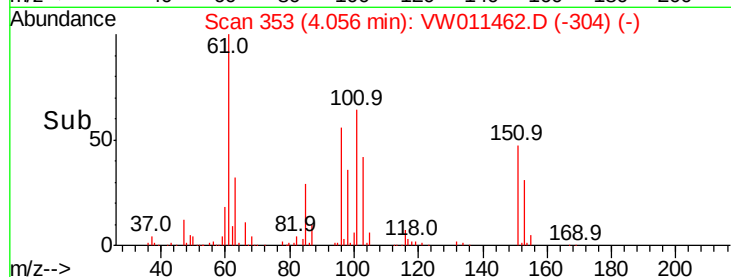
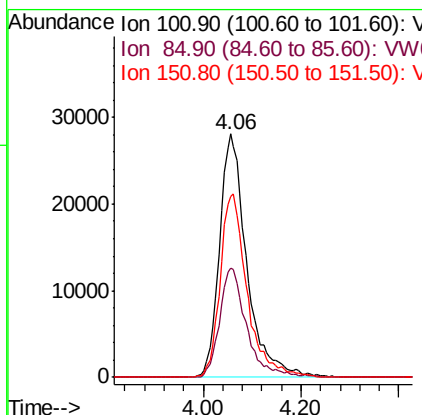
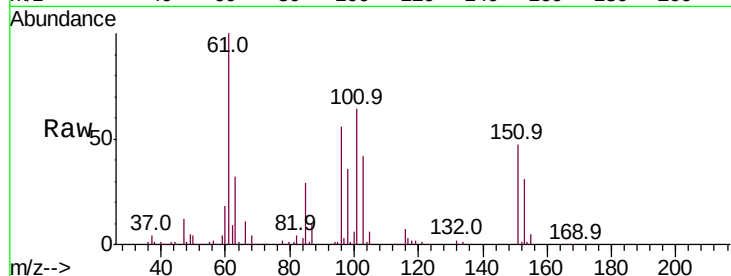
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	108562
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.5	54.7
151	74.5	59.1	88.7

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#10

Methyl Iodide

Concen: 49.528 ug/l

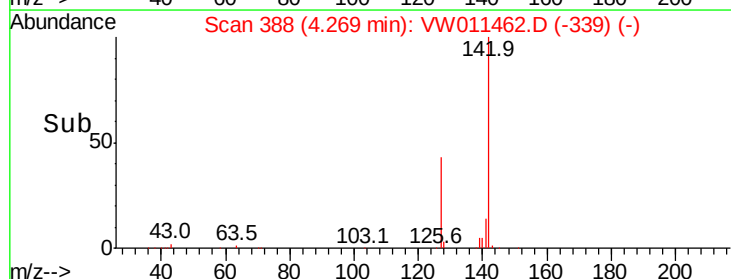
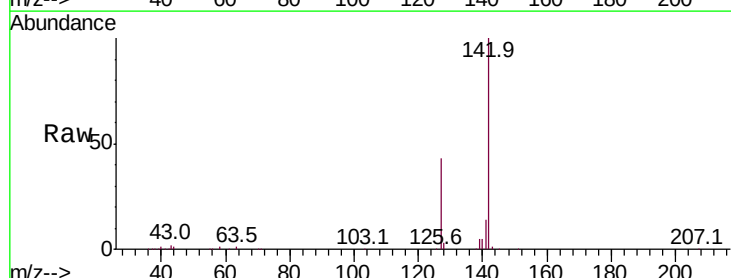
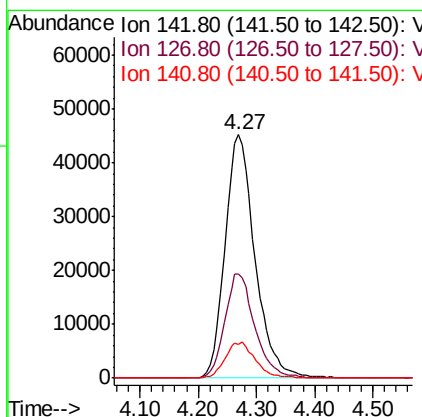
RT: 4.27 min Scan# 388

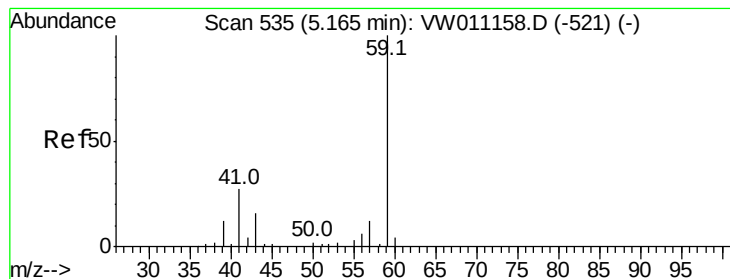
Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Tgt Ion:	142	Resp:	161054
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.7	53.5
141	14.8	11.5	17.3





#11

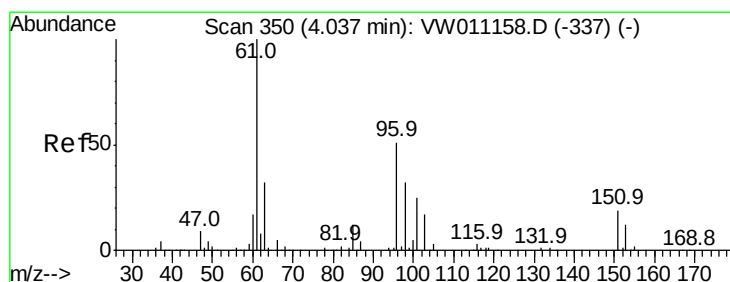
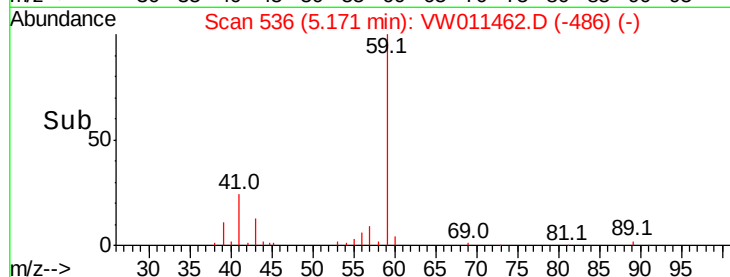
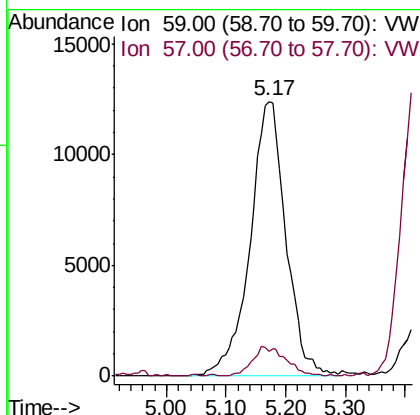
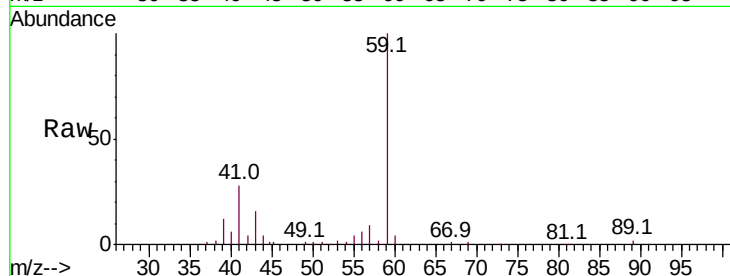
Tert butyl alcohol
Concen: 251.759 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	9.0	13.6

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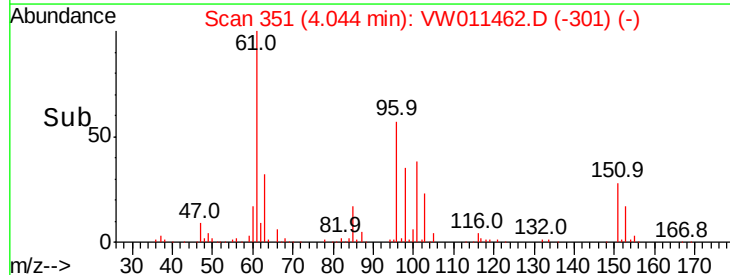
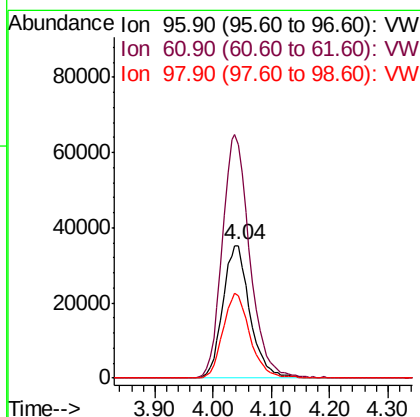
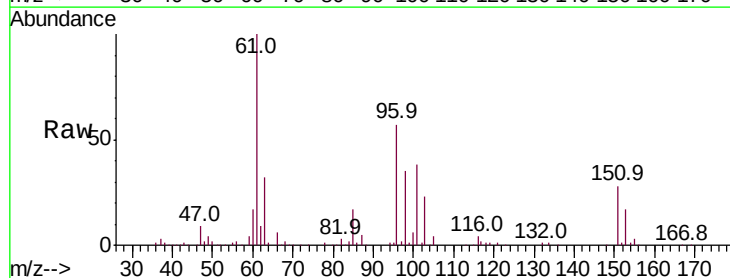
MMDadoda
7/24/2019 9:34:32 AM

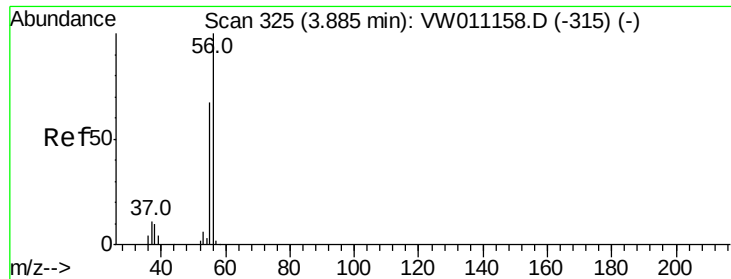


#12

1,1-Dichloroethene
Concen: 46.474 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.5	157.7	236.5
98	62.1	50.9	76.3





#13

Acrolein

Concen: 230.064 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 37647

Ion Ratio Lower Upper

56 100

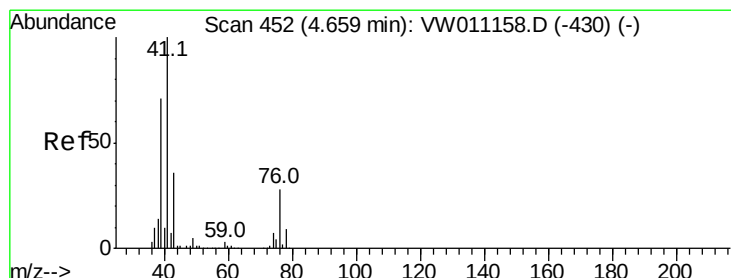
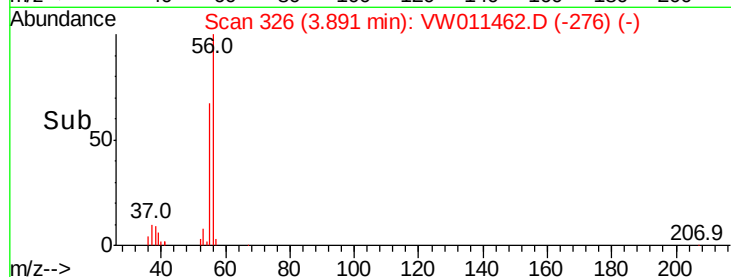
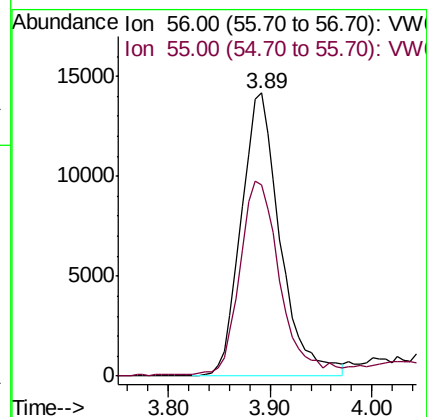
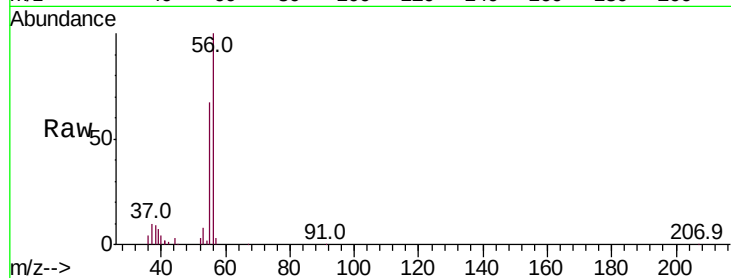
55 70.1 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 54.200 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

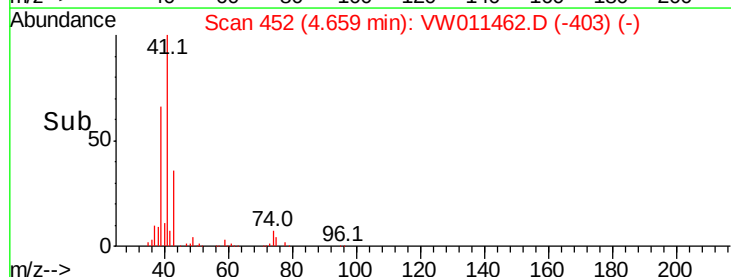
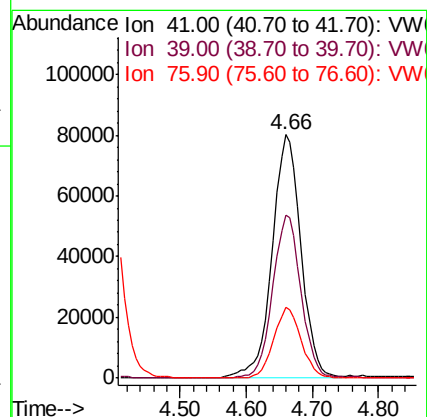
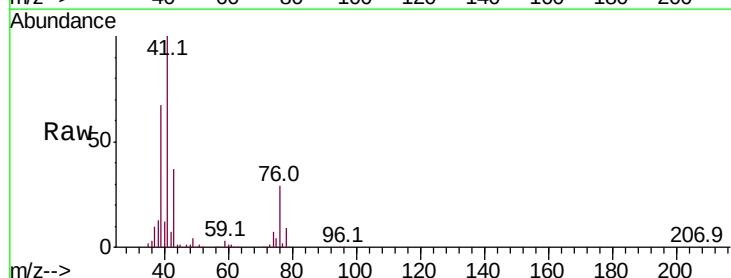
Tgt Ion: 41 Resp: 242538

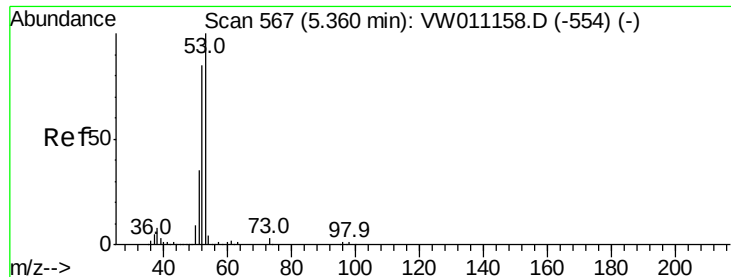
Ion Ratio Lower Upper

41 100

39 65.3 55.1 82.7

76 27.9 22.5 33.7





#15

Acrylonitrile

Concen: 256.577 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

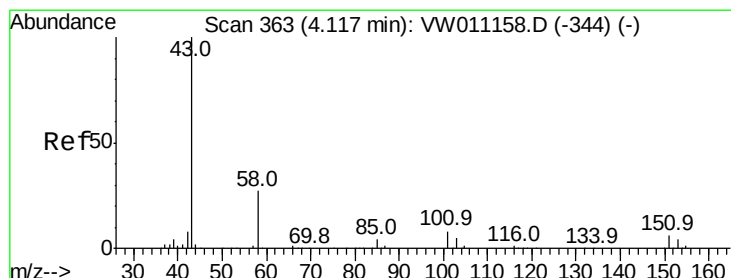
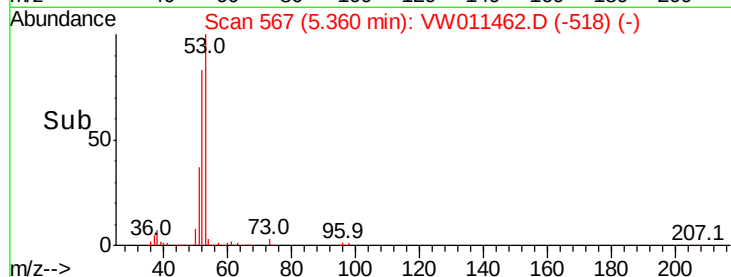
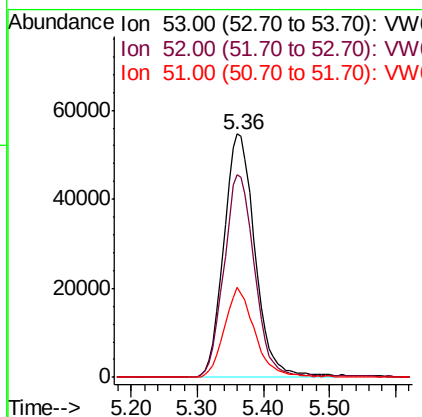
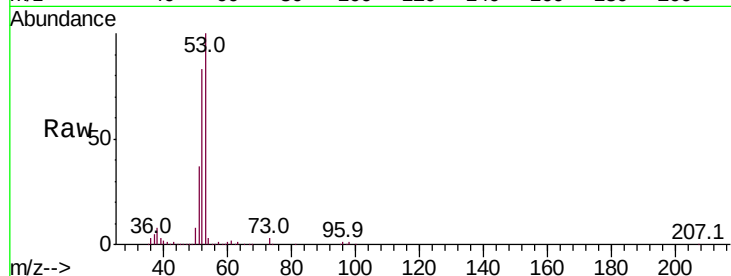
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	178464
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.4
51	35.9	29.1	43.7

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#16

Acetone

Concen: 215.387 ug/l

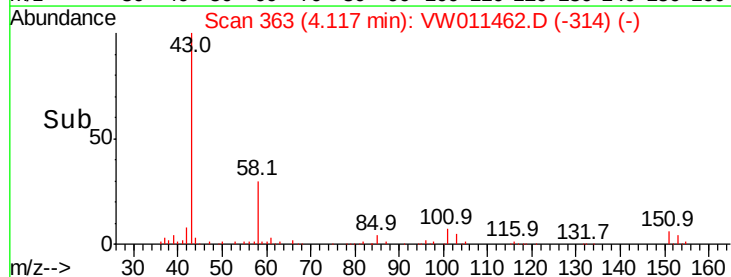
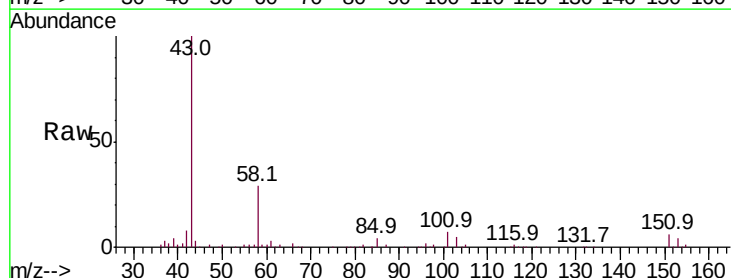
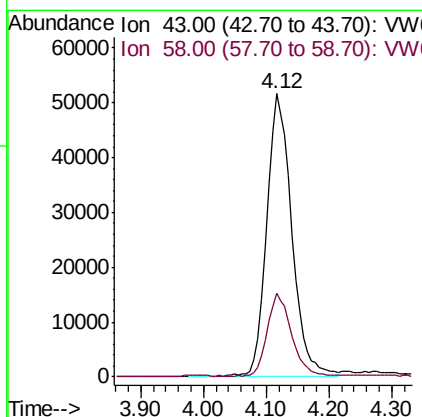
RT: 4.12 min Scan# 363

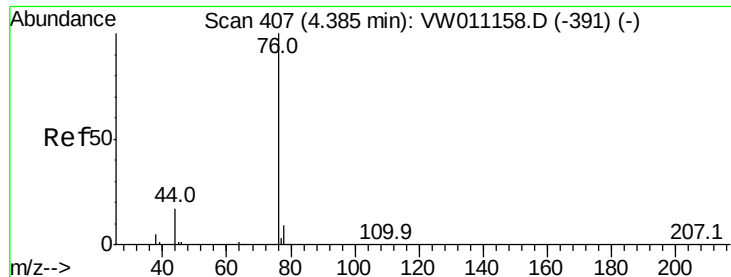
Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Tgt Ion	43	Resp	143846
Ion	Ratio	Lower	Upper
43	100		
58	29.0	21.8	32.6





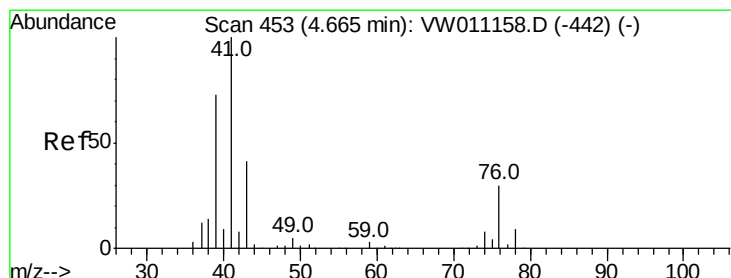
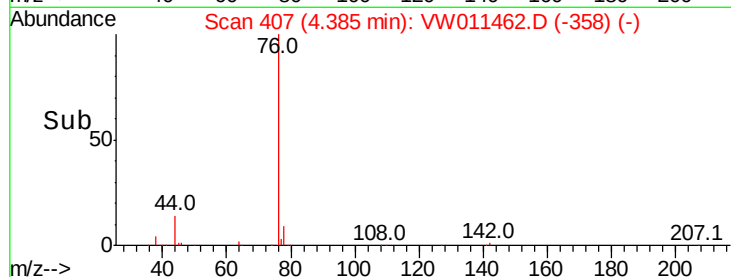
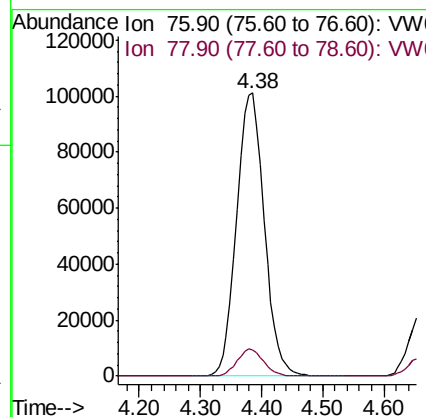
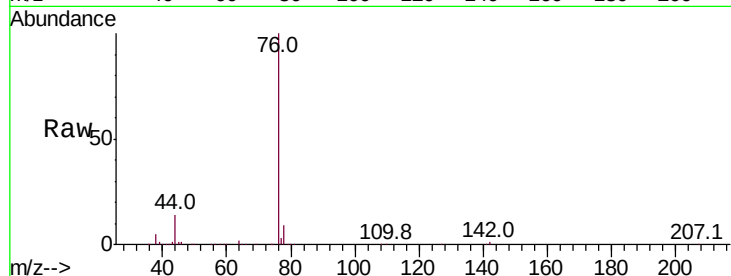
#17
Carbon Disulfide
Concen: 42.439 ug/l
RT: 4.38 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

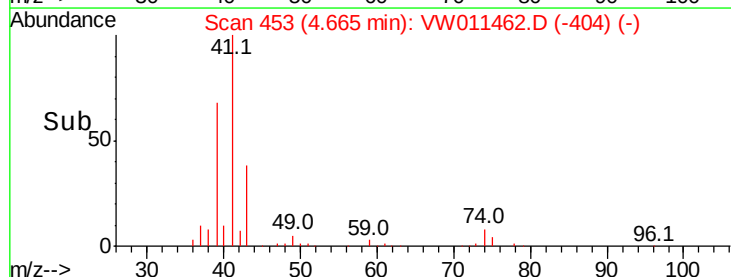
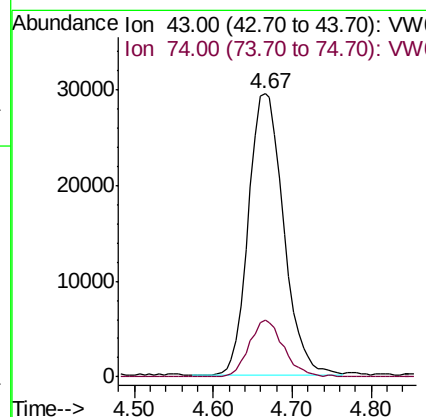
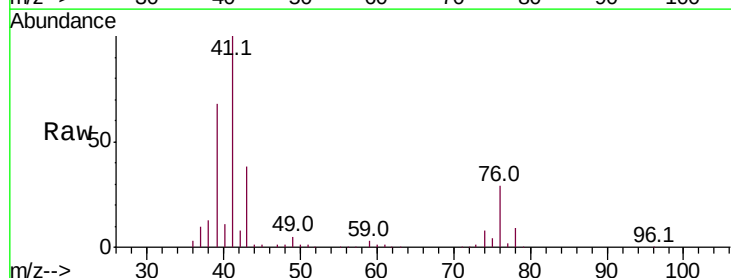
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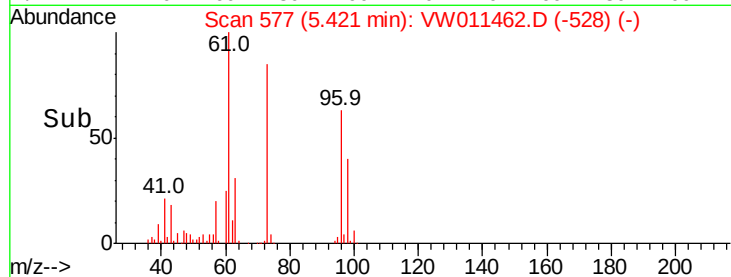
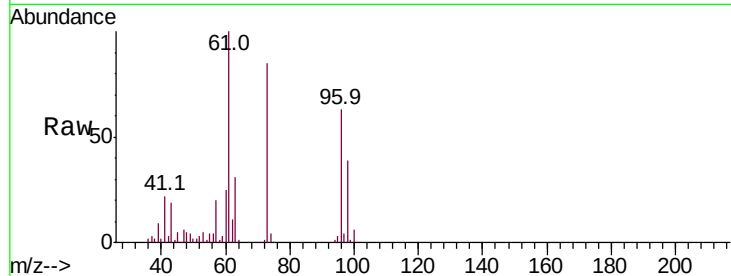
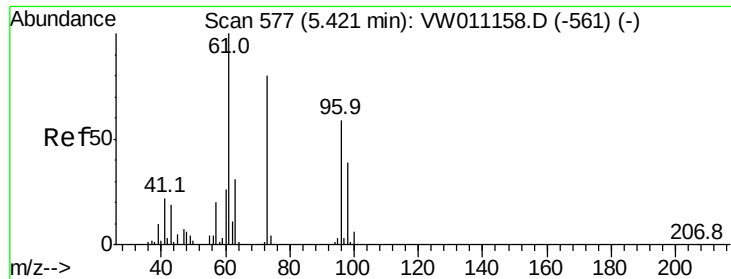
MMDadoda
7/24/2019 9:34:32 AM



#18
Methyl Acetate
Concen: 48.111 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	15.7	23.5





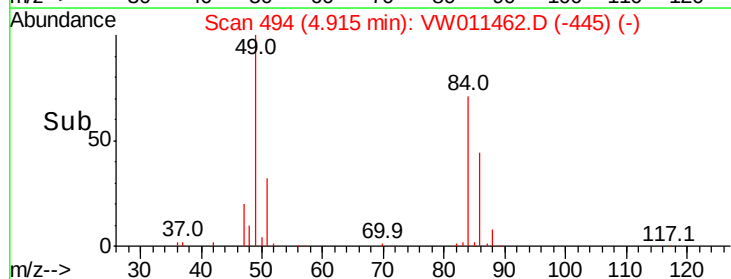
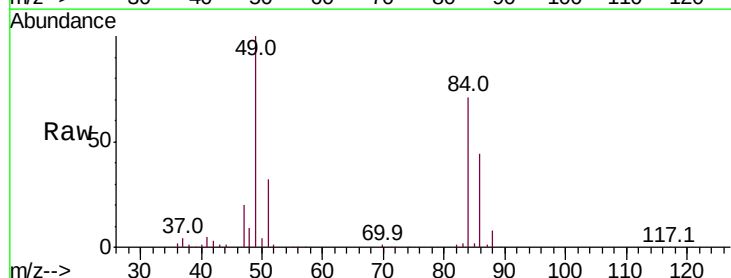
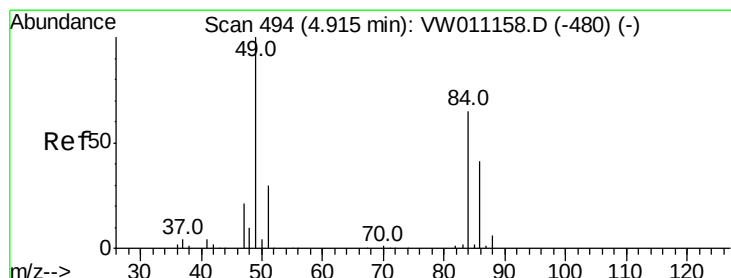
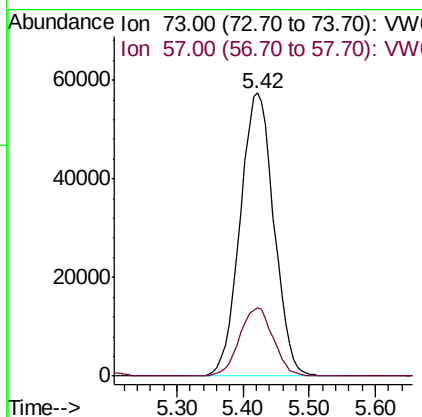
#19
Methyl tert-butyl Ether
Concen: 54.690 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tot Ion: 73 Resp: 203631
Ion Ratio Lower Upper
73 100
57 24.0 19.7 29.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

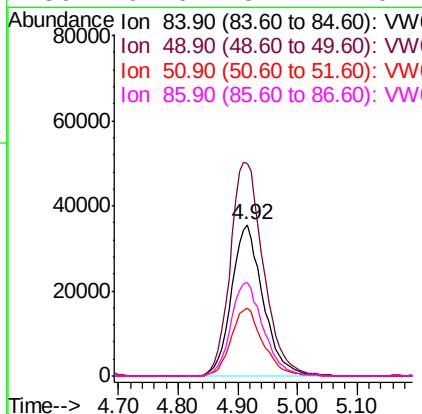
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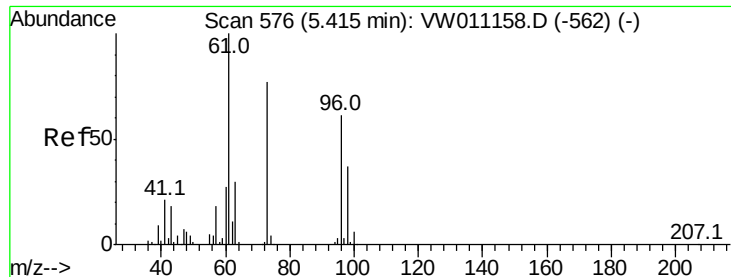
MMDadoda
7/24/2019 9:34:32 AM



#20
Methylene Chloride
Concen: 49.653 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 84 Resp: 130817
Ion Ratio Lower Upper
84 100
49 140.7 123.8 185.6
51 45.1 37.4 56.2
86 61.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 50.112 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 127778

Ion Ratio Lower Upper

96 100

61 153.9 132.2 198.2

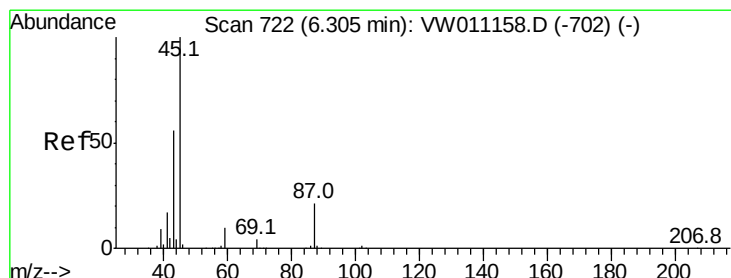
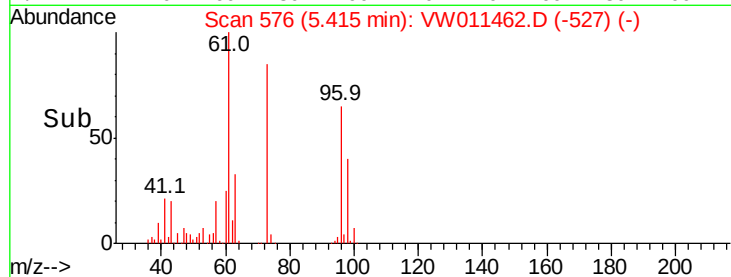
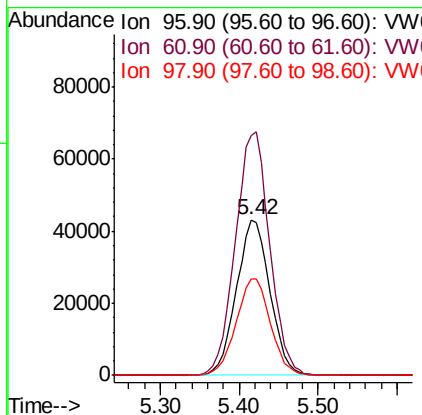
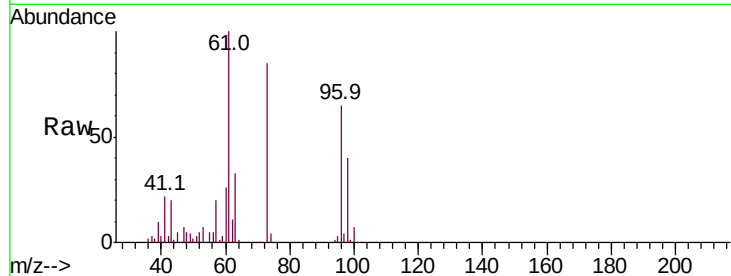
98 62.2 49.4 74.0

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#22

Diisopropyl ether

Concen: 52.957 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Tgt Ion: 45 Resp: 509687

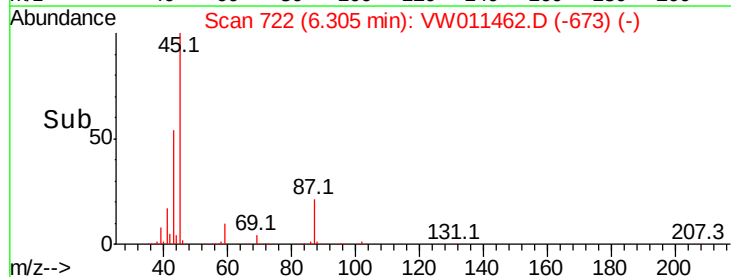
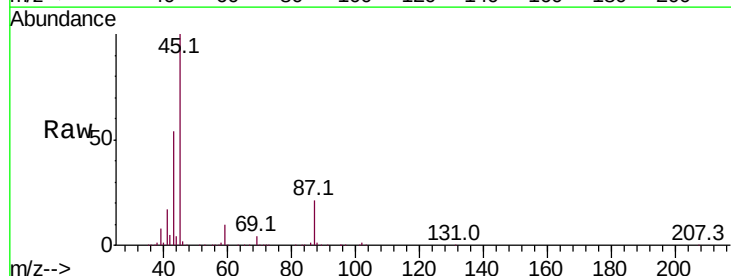
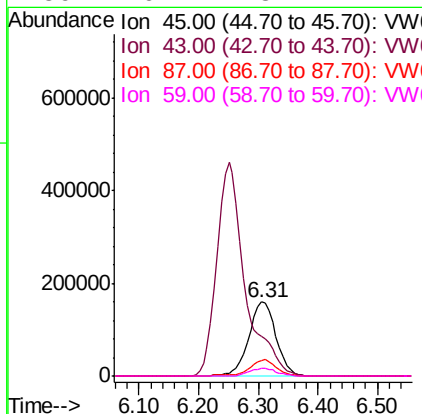
Ion Ratio Lower Upper

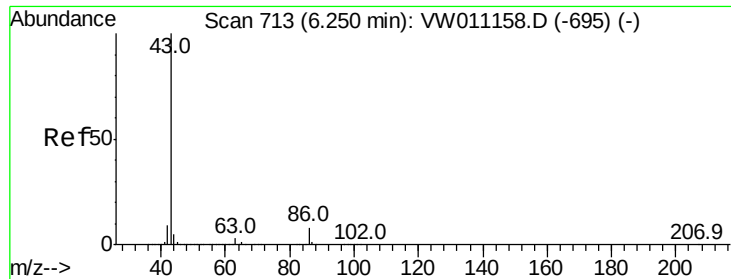
45 100

43 54.0 44.6 66.8

87 20.9 17.3 25.9

59 10.4 8.2 12.2





#23

Vinyl Acetate

Concen: 255.418 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Tot Ion: 43 Resp: 1521357

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

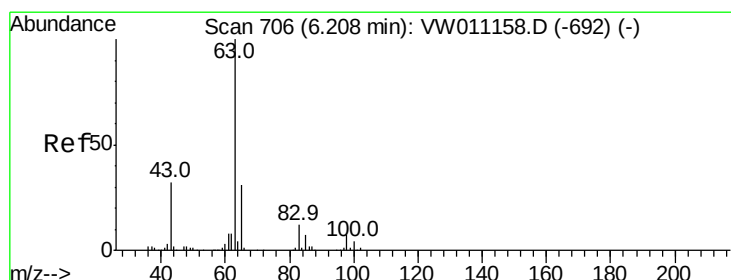
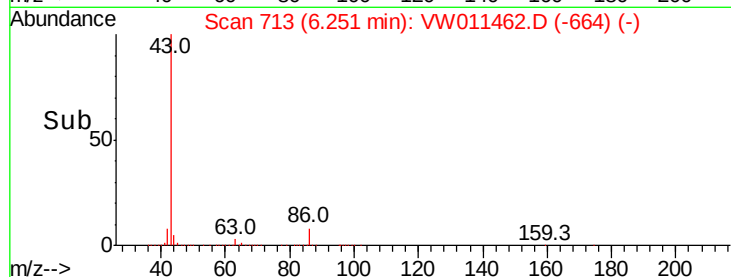
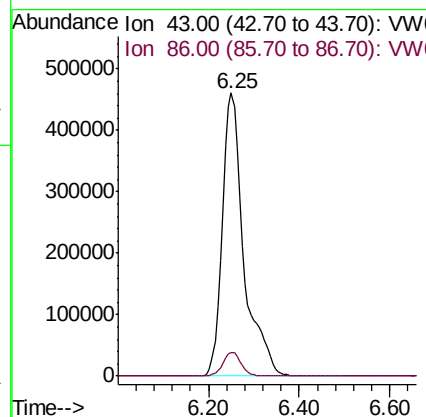
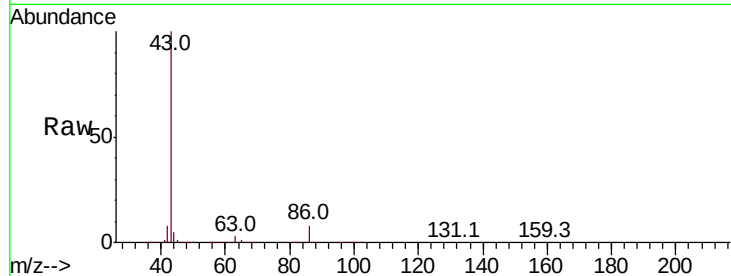
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.638 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

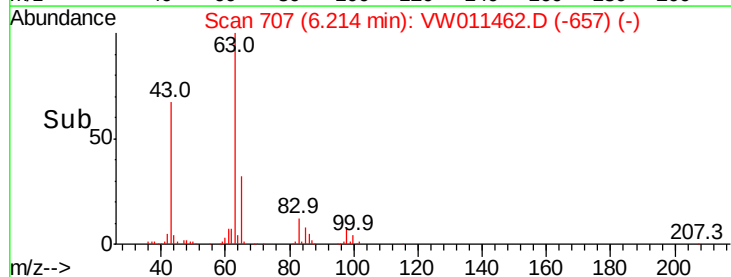
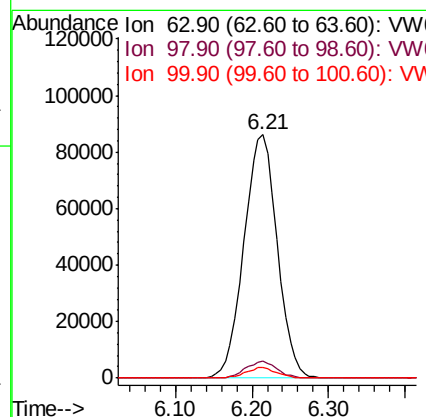
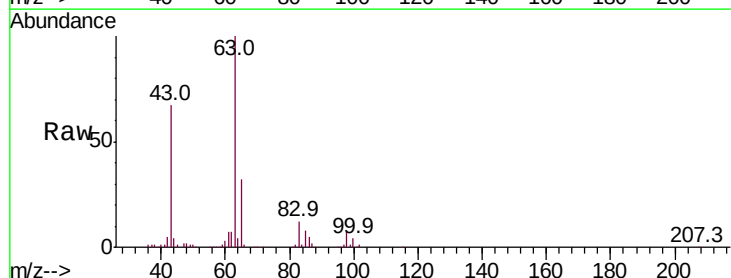
Tgt Ion: 63 Resp: 260975

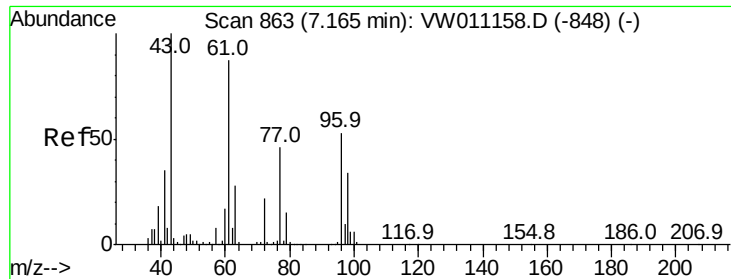
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 243.592 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 255368

Ion Ratio Lower Upper

43 100

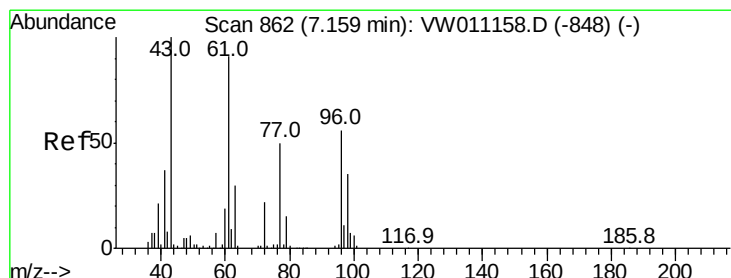
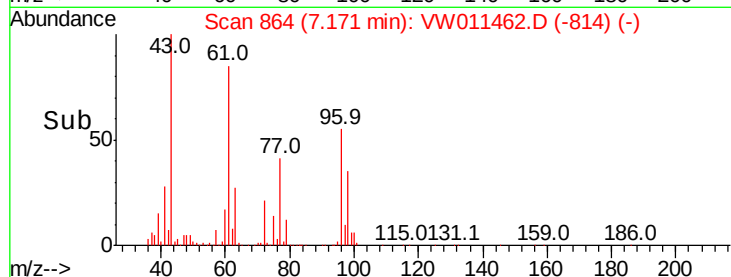
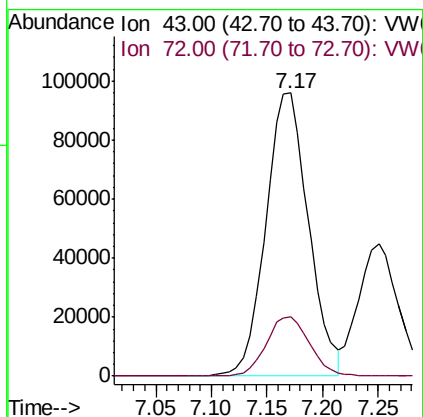
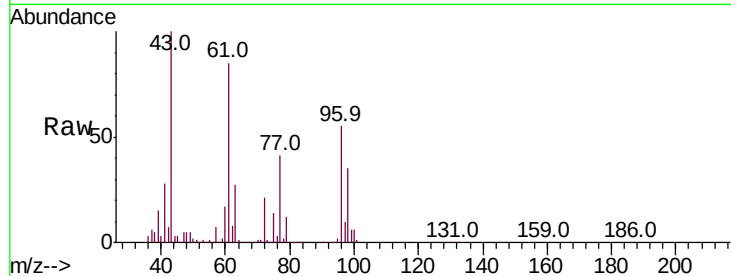
72 21.1 17.6 26.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.715 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011462.D

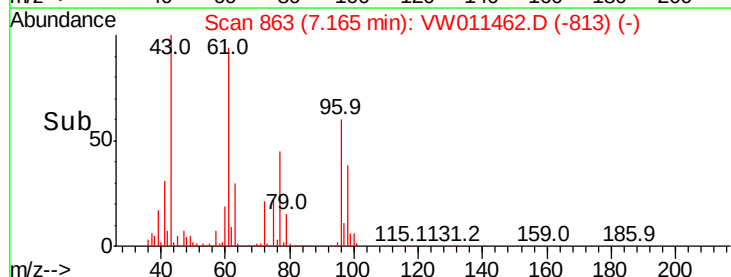
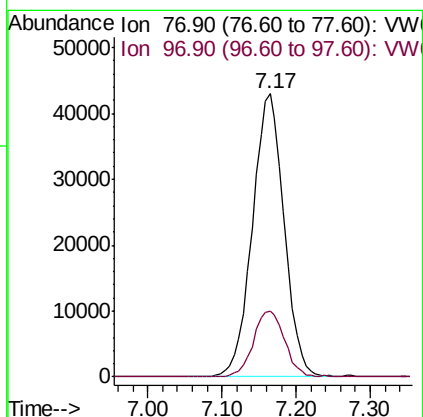
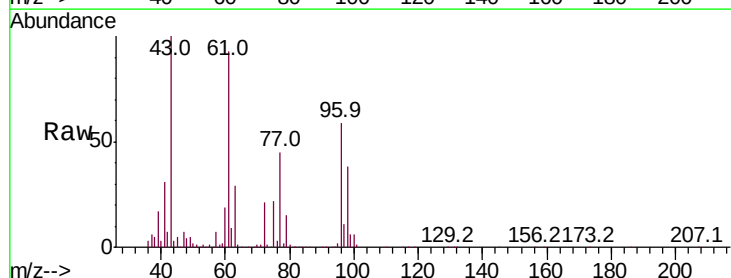
Acq: 24 Jul 2019 05:16

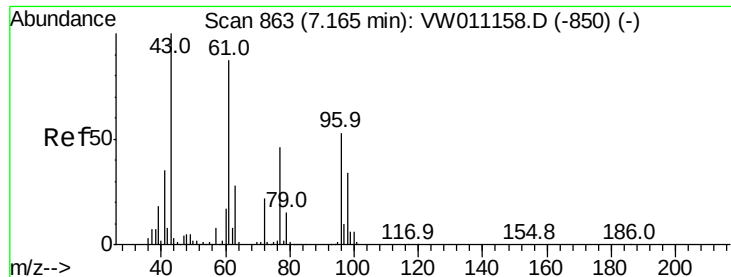
Tgt Ion: 77 Resp: 127980

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5





#27

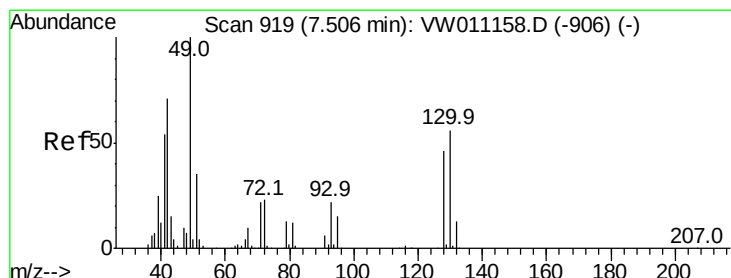
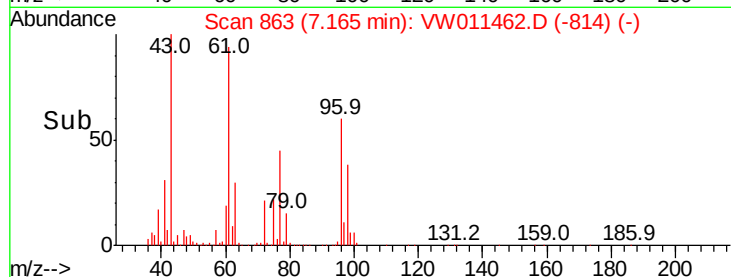
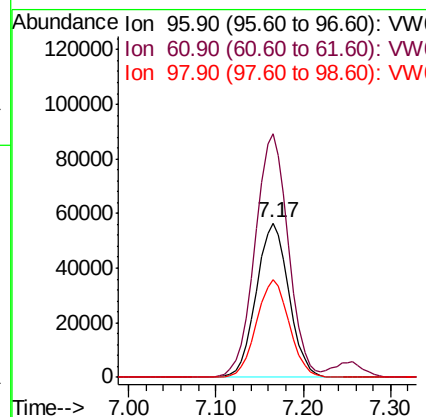
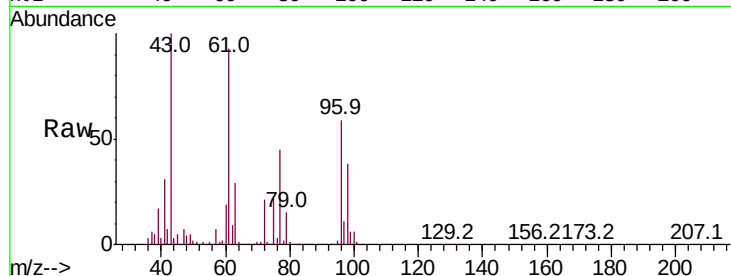
cis-1,2-Dichloroethene
Concen: 53.469 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.3	0.0	325.6
98	63.4	0.0	128.2

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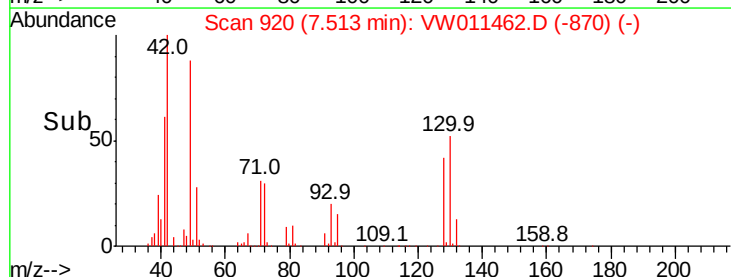
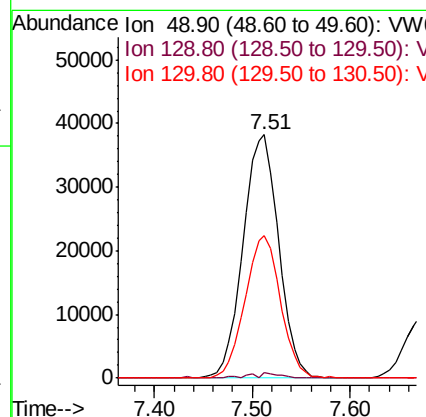
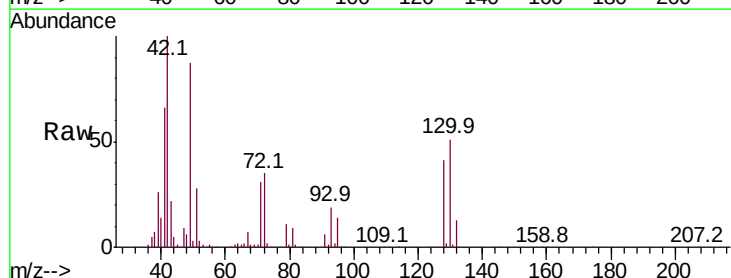
MMDadoda
7/24/2019 9:34:32 AM

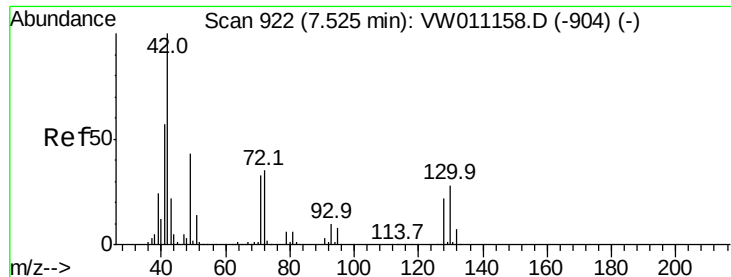


#28

Bromochloromethane
Concen: 42.053 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.4
130	58.0	45.8	68.8





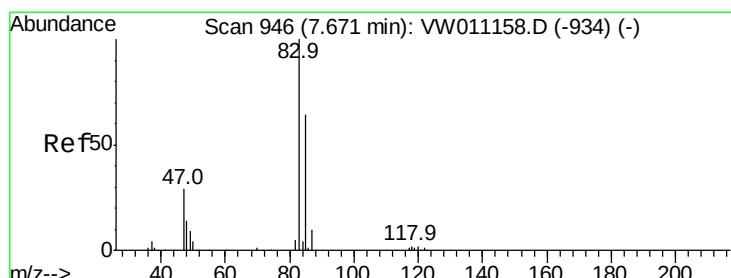
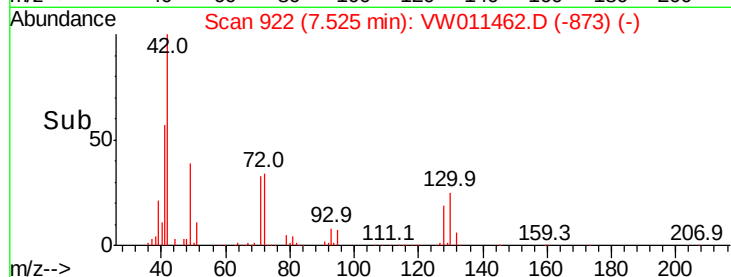
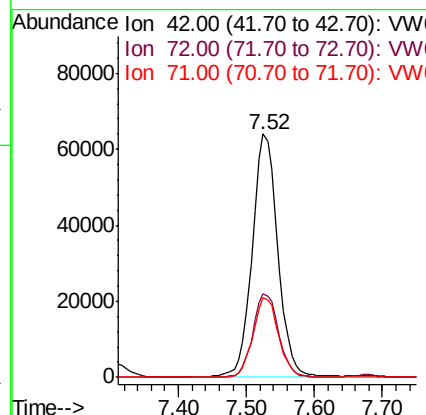
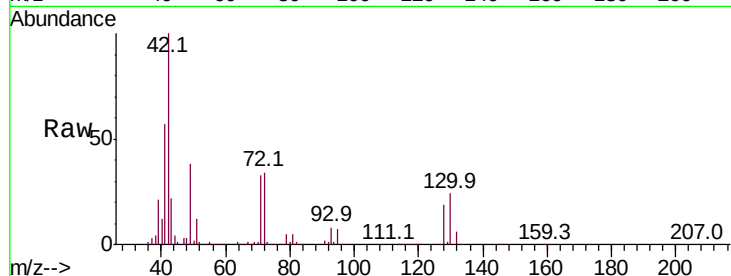
#29
Tetrahydrofuran
Concen: 243.456 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	27.4	41.2
71	32.5	25.9	38.9

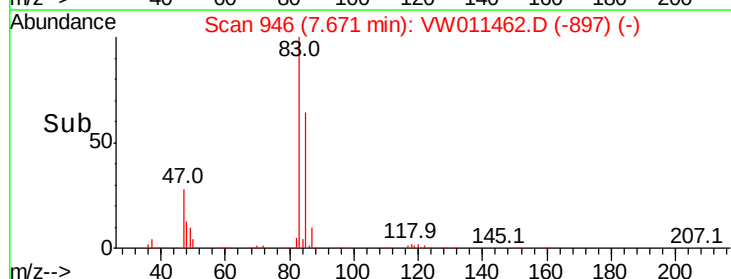
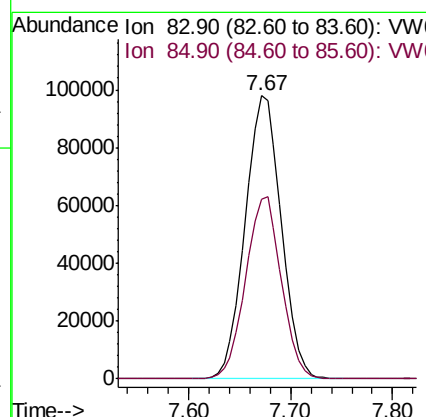
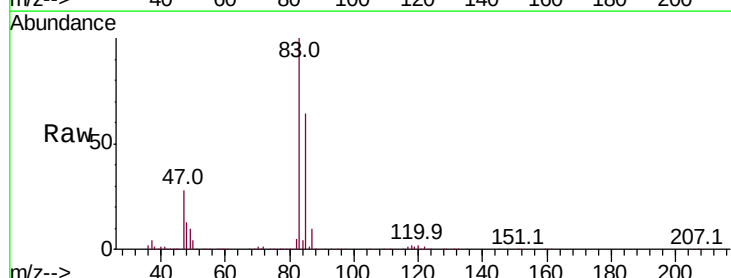
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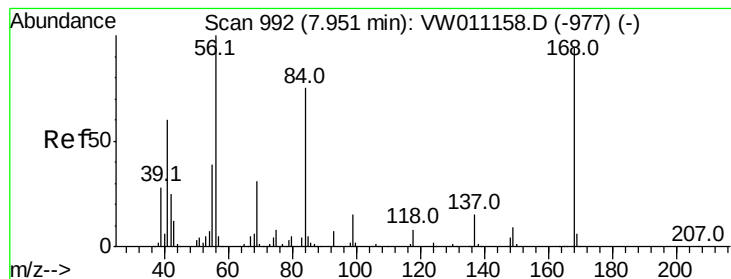
MMDadoda
7/24/2019 9:34:32 AM



#30
Chloroform
Concen: 51.425 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.2





#31

Cyclohexane

Concen: 45.312 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

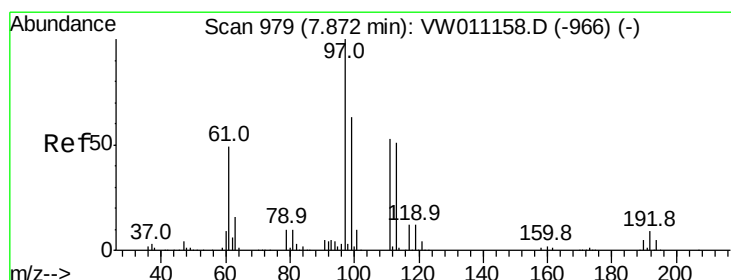
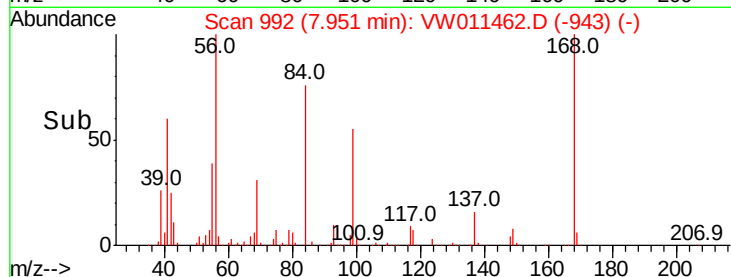
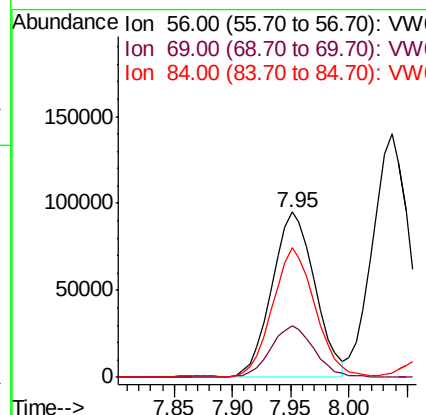
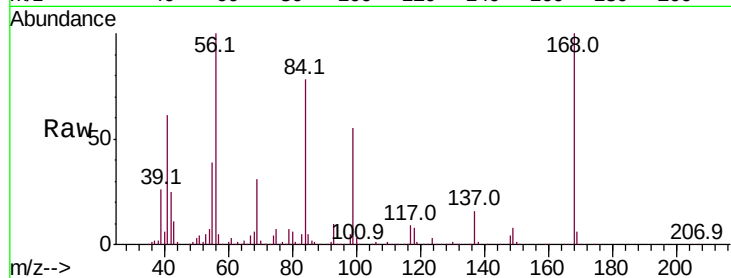
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	243628
Ion Ratio	Lower	Upper	
56	100		
69	30.8	24.6	36.8
84	77.0	60.1	90.1

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#32

1,1,1-Trichloroethane

Concen: 51.298 ug/l

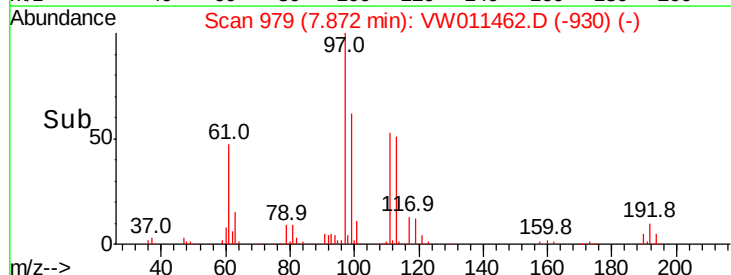
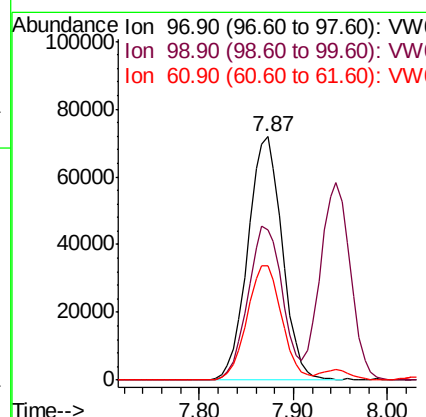
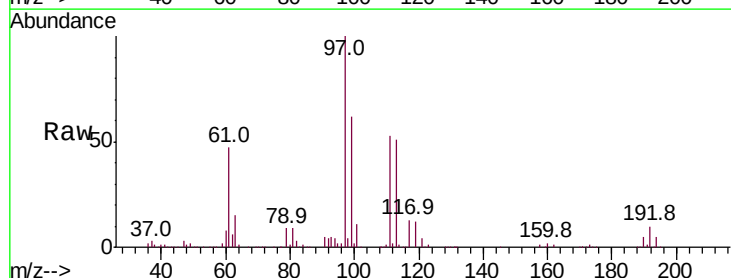
RT: 7.87 min Scan# 979

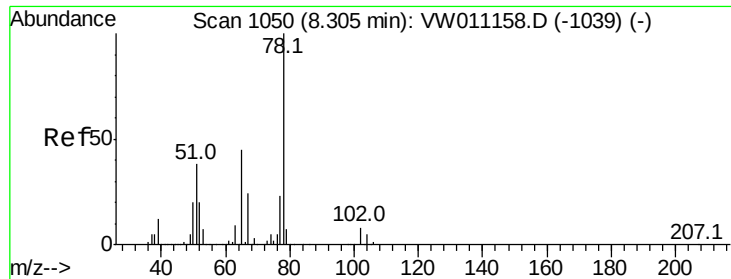
Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Tgt Ion:	97	Resp:	182644
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.0	76.4
61	47.7	40.4	60.6





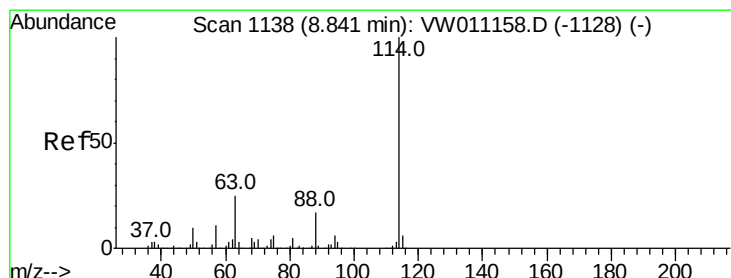
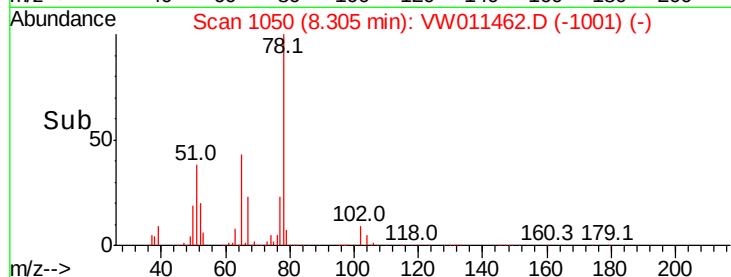
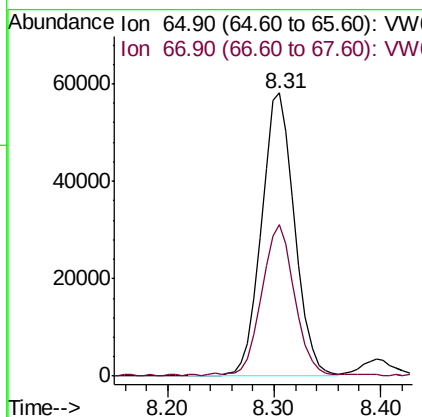
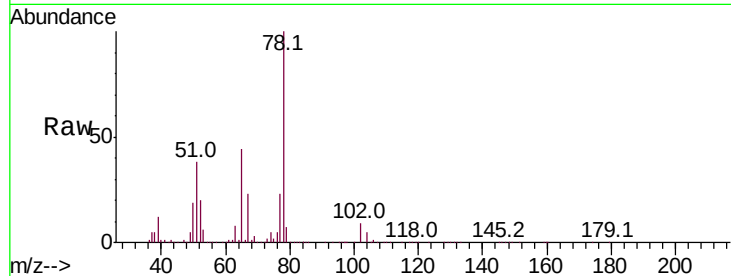
#33
 1,2-Dichloroethane-d4
 Concen: 45.463 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	104.4

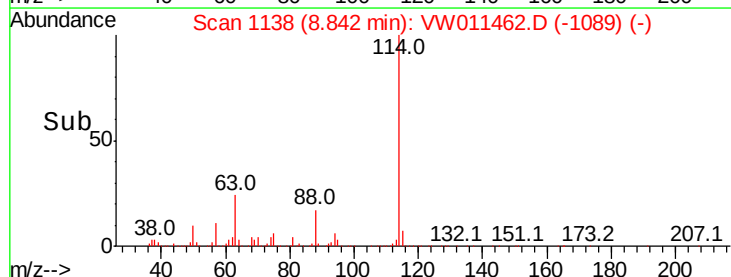
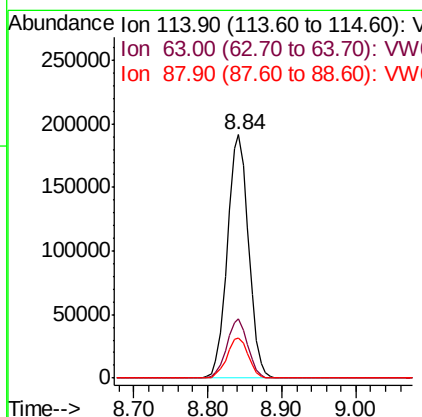
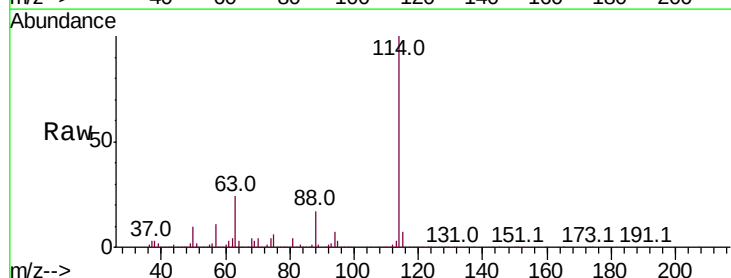
Manual Integrations
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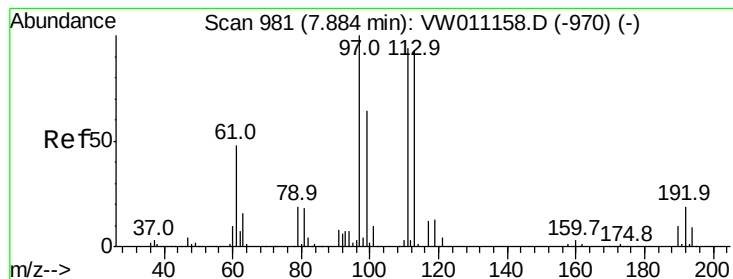
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 7/24/2019 9:34:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	50.8
88	16.5	0.0	34.2





#35

Dibromofluoromethane

Concen: 46.175 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

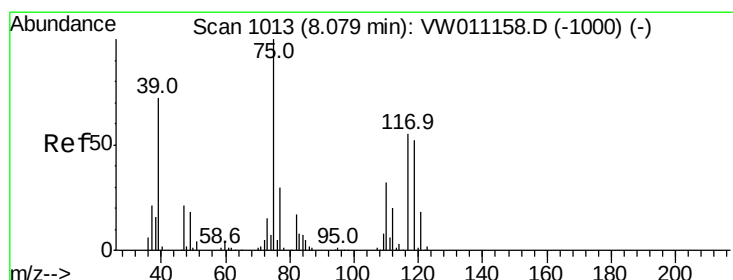
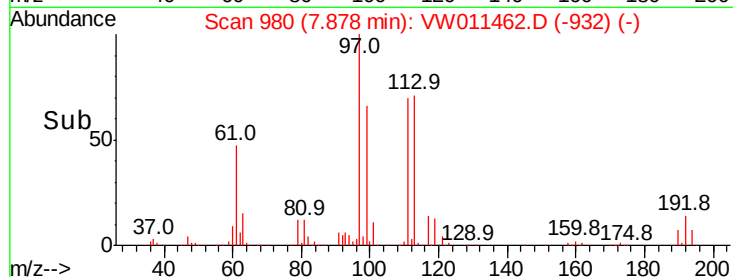
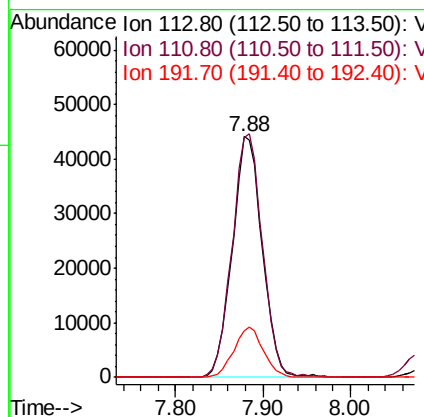
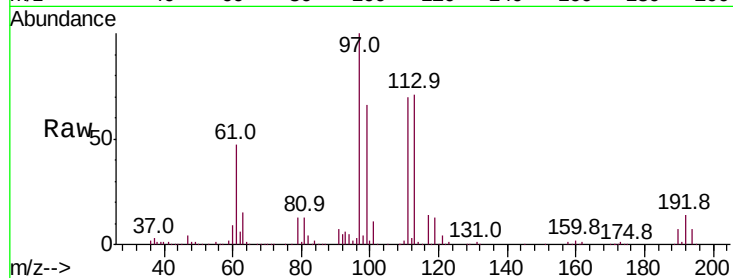
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	104803
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.4	123.6
192	20.4	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 47.491 ug/l

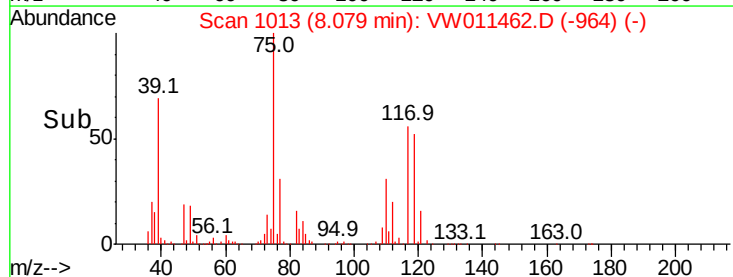
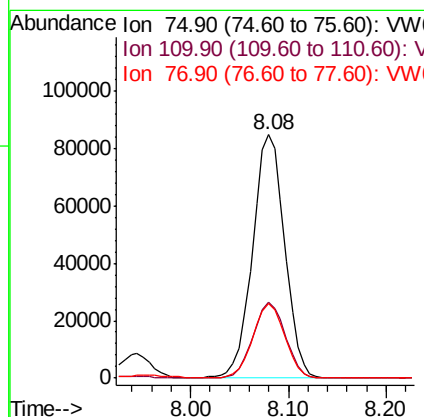
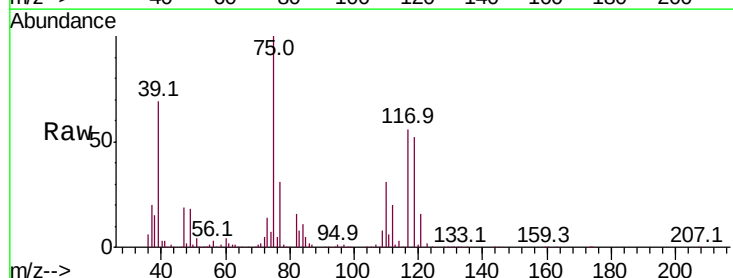
RT: 8.08 min Scan# 1013

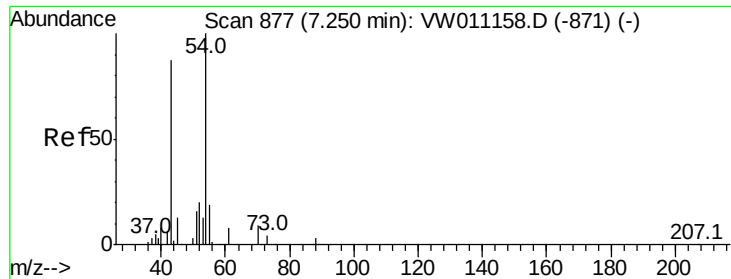
Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Tgt Ion:	75	Resp:	192582
Ion Ratio	Lower	Upper	
75	100		
110	31.5	15.9	47.6
77	30.6	24.6	36.8





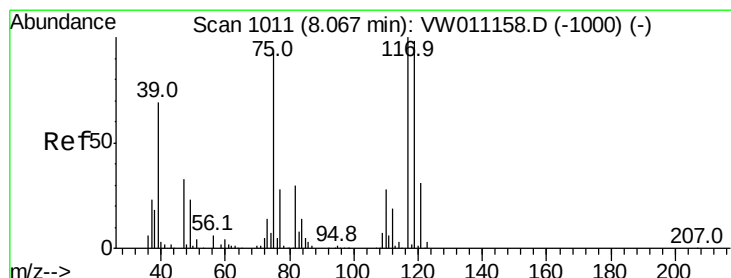
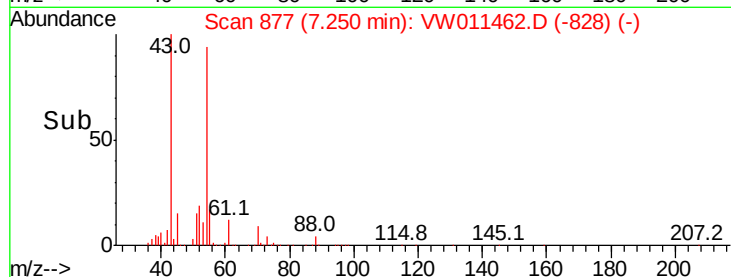
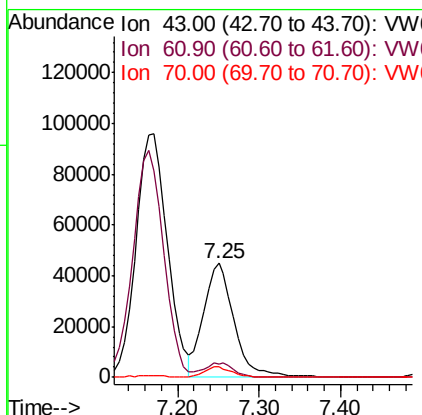
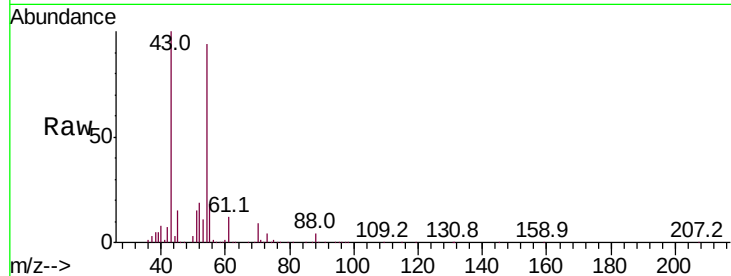
#37
Ethyl Acetate
Concen: 47.151 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.5	14.3
70	8.9	7.1	10.7

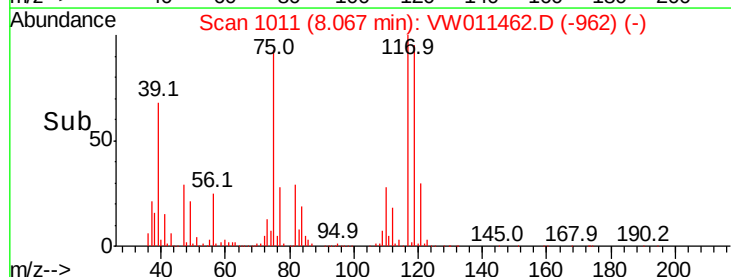
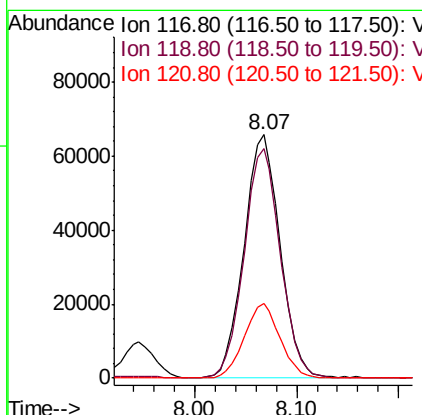
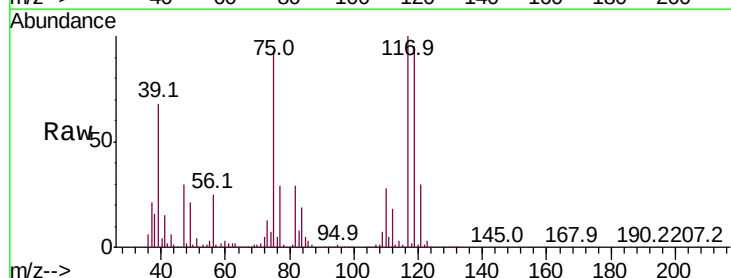
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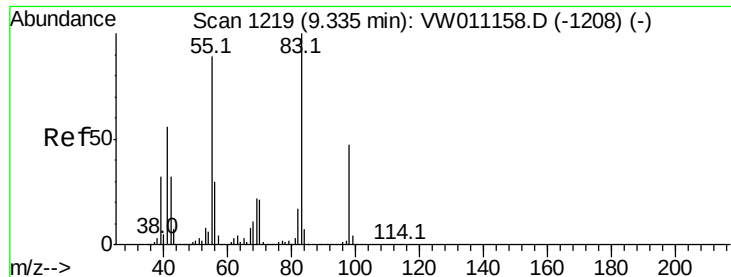
MMDadoda
7/24/2019 9:34:32 AM



#38
Carbon Tetrachloride
Concen: 46.897 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.1	117.1
121	30.6	25.1	37.7





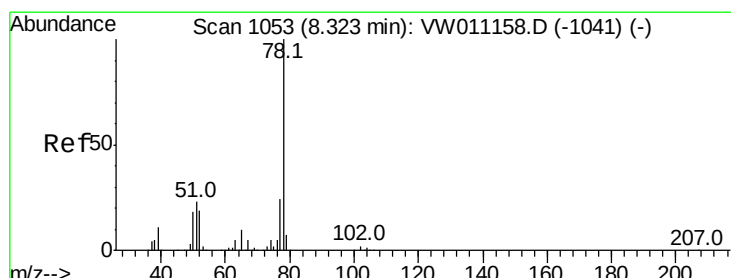
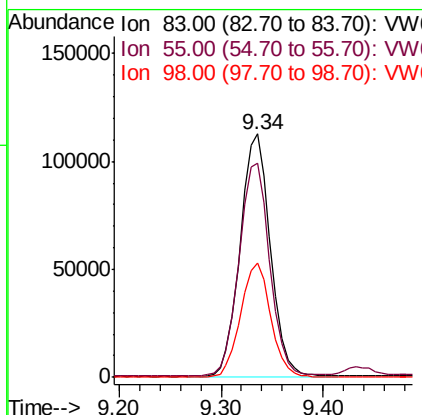
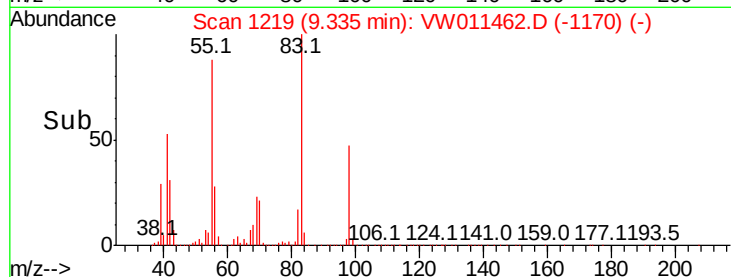
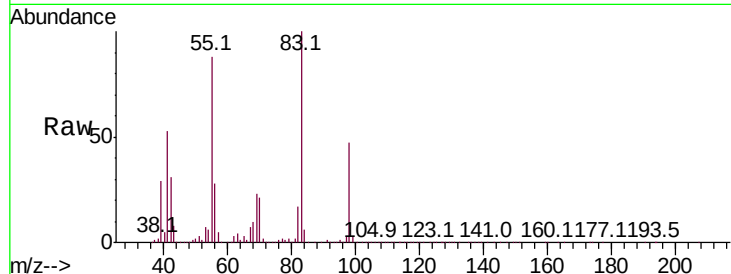
#39
Methylvlcyclohexane
Concen: 46.902 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	71.2	106.8
98	47.2	37.5	56.3

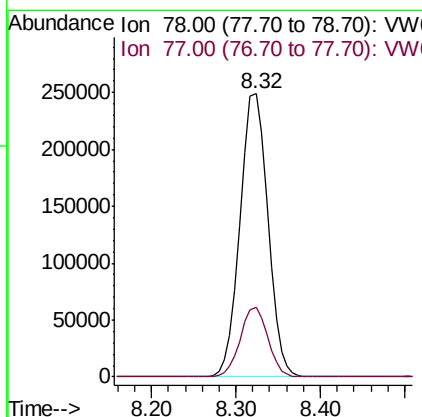
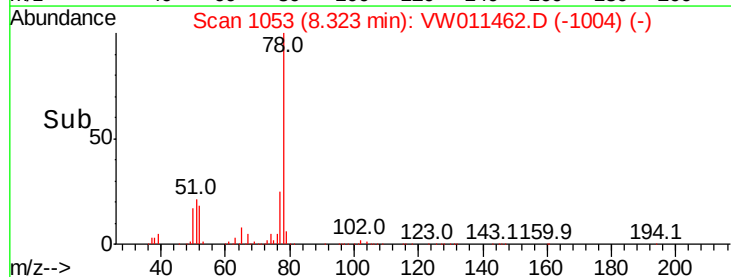
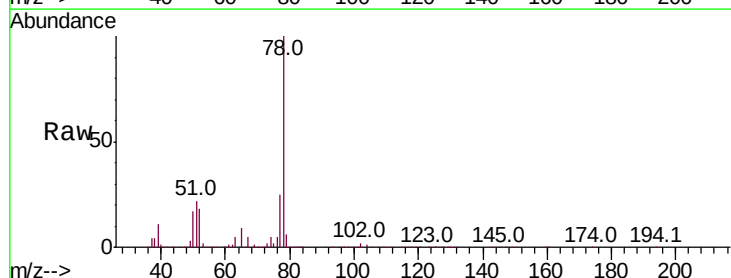
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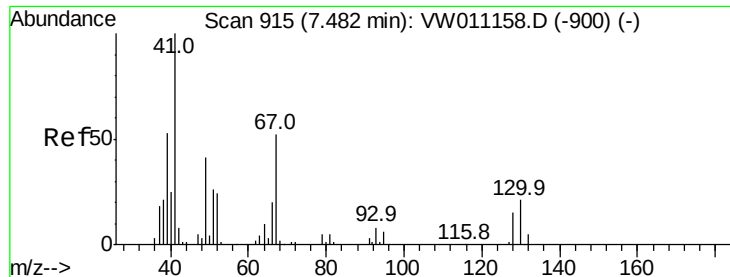
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#40
Benzene
Concen: 49.581 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.6





#41

Methacrylonitrile

Concen: 50.940 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 70983

Ion Ratio Lower Upper

41 100

39 54.0 48.0 72.0

67 56.9 49.7 74.5

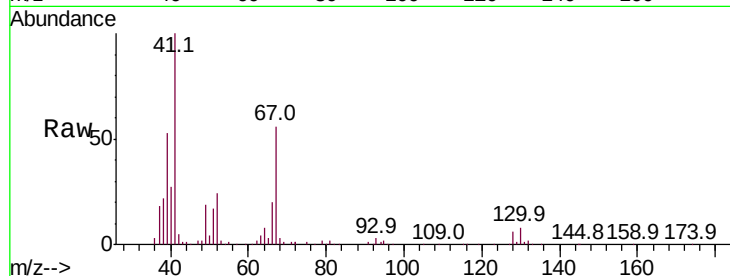
52 25.2 23.4 35.0

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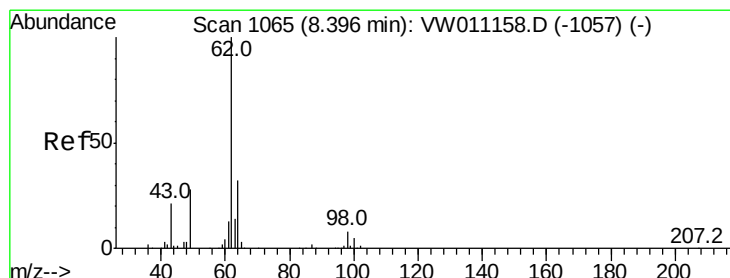
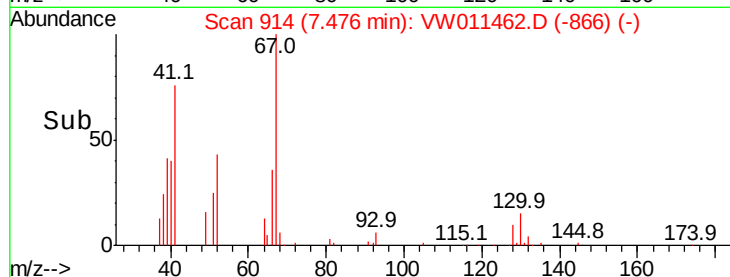
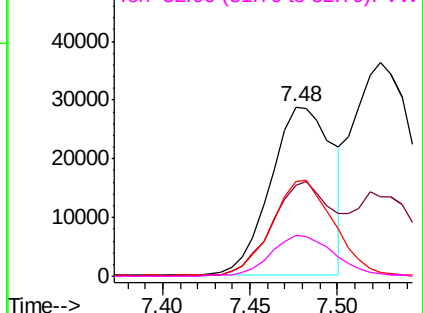


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 46.977 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011462.D

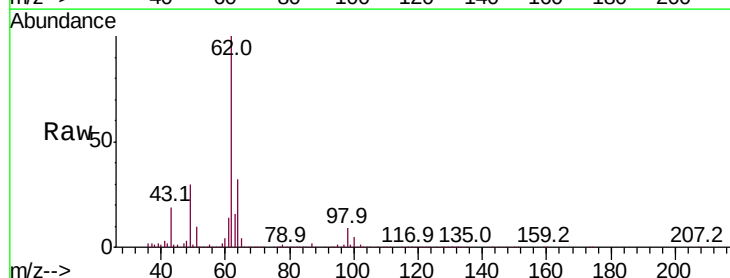
Acq: 24 Jul 2019 05:16

Tgt Ion: 62 Resp: 170781

Ion Ratio Lower Upper

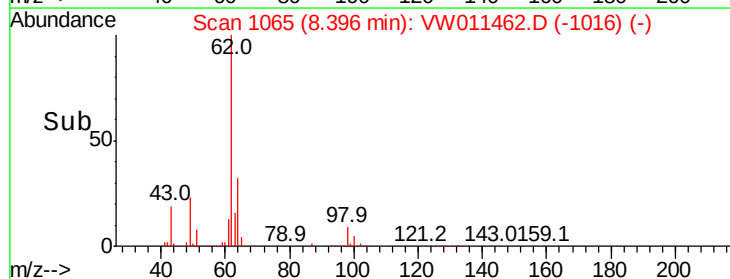
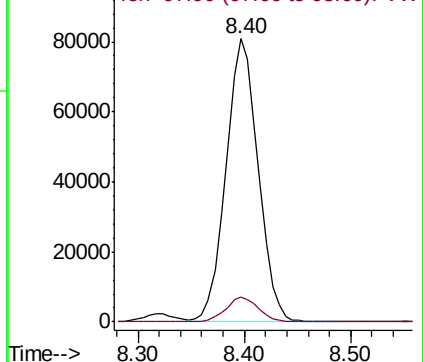
62 100

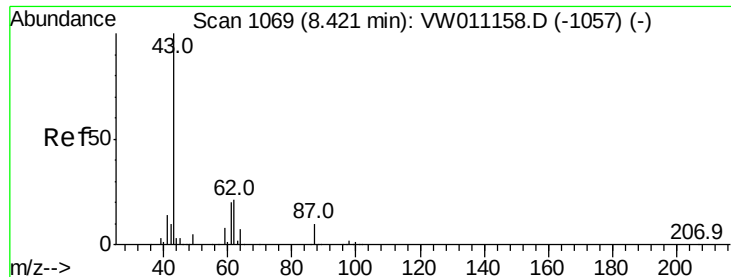
98 9.0 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 48.459 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

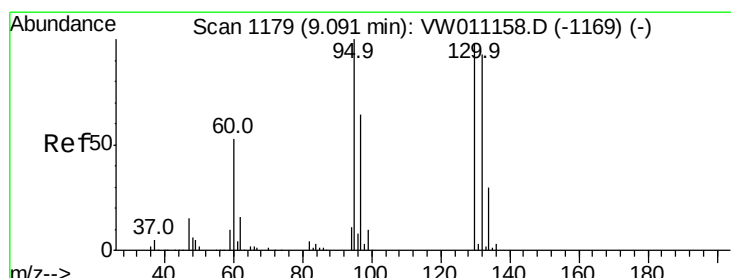
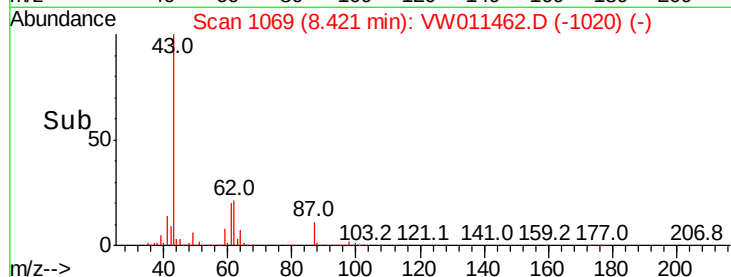
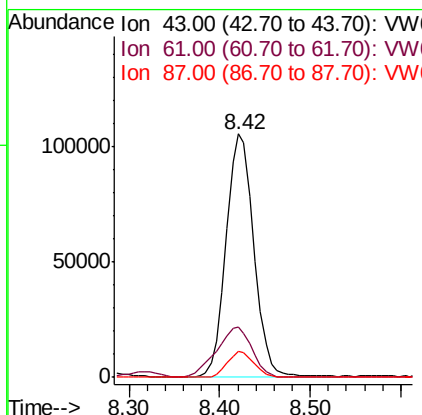
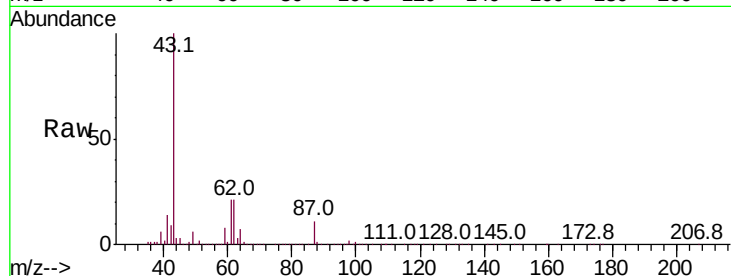
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	222909
Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.7	31.1
87	10.4	8.1	12.1

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#44

Trichloroethene

Concen: 50.289 ug/l

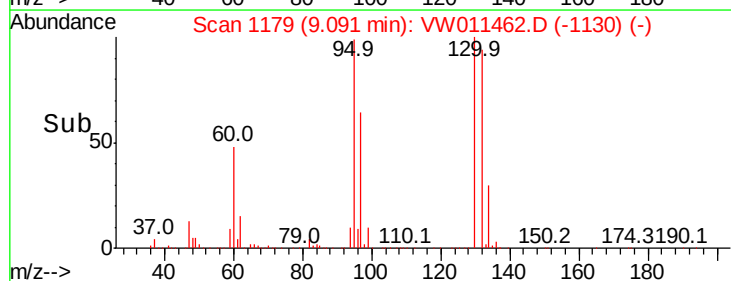
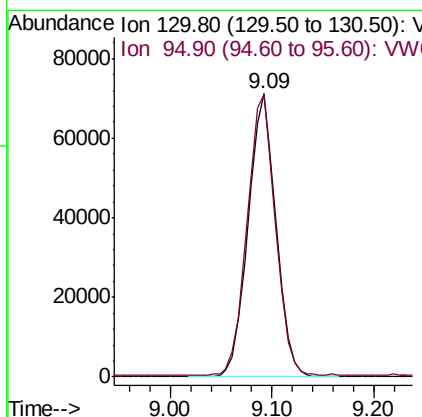
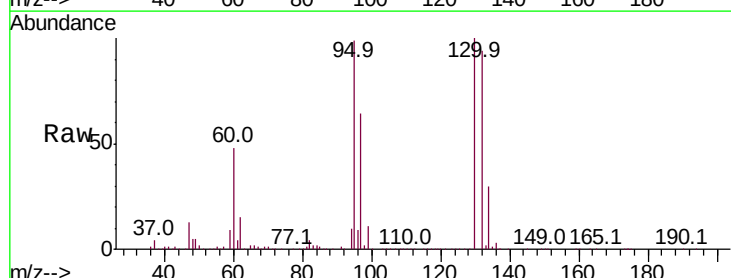
RT: 9.09 min Scan# 1179

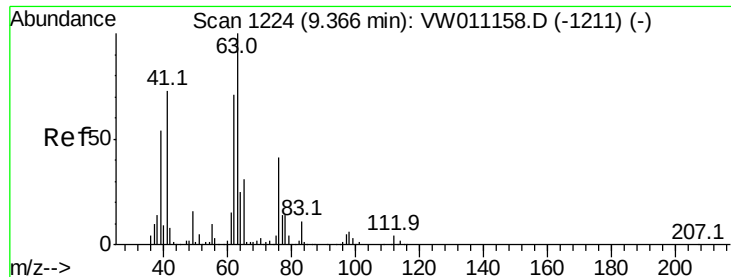
Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Tgt Ion:	130	Resp:	135620
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	203.6





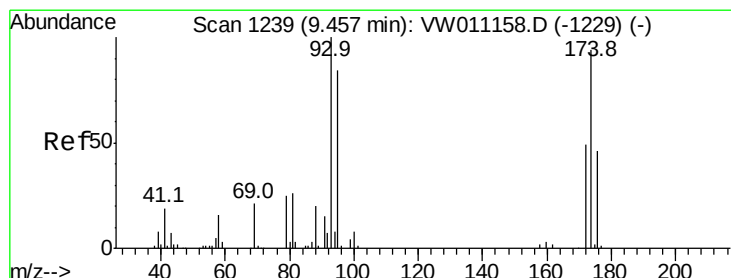
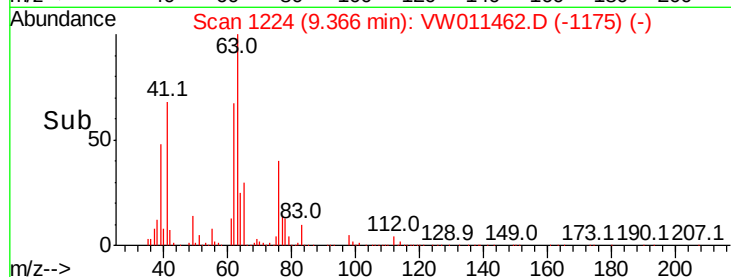
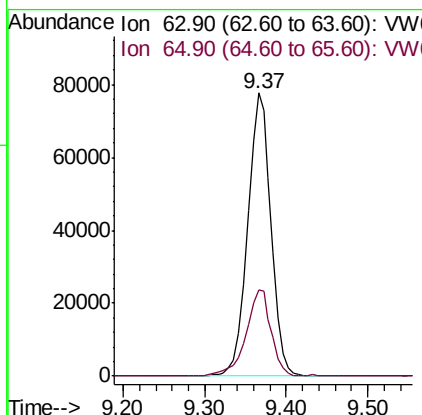
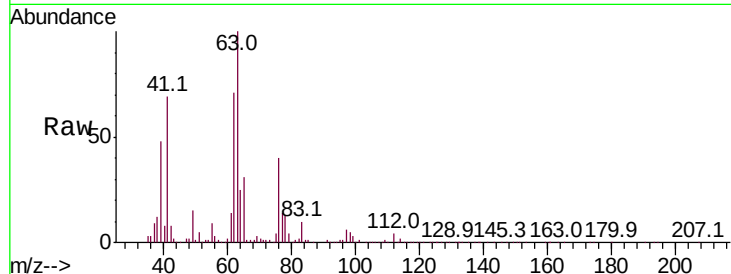
#45
 1,2-Dichloropropane
 Concen: 50.779 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.4	36.6

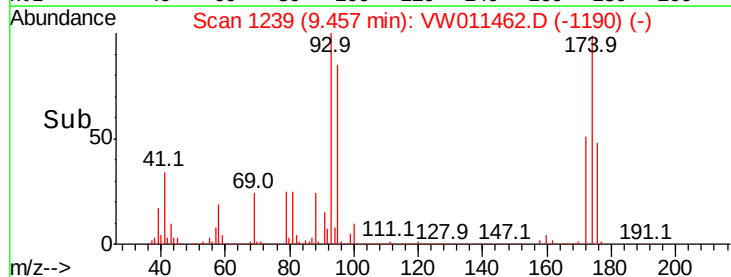
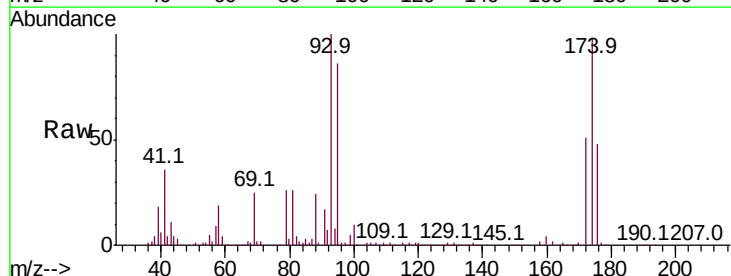
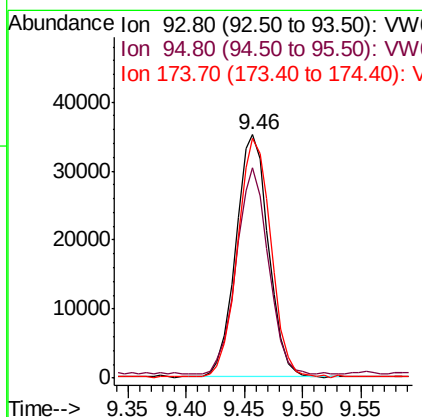
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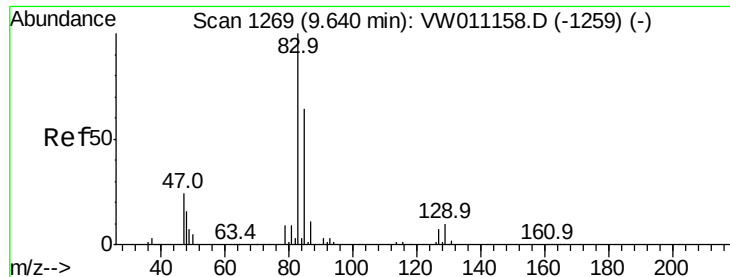
MMDadoda
 7/24/2019 9:34:32 AM



#46
 Dibromomethane
 Concen: 48.069 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.2	100.8
174	100.6	76.3	114.5





#47

Bromodichloromethane

Concen: 48.974 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

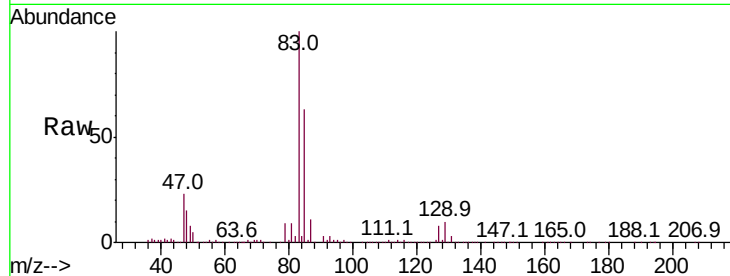
ClientSampleId :

VSTDCCC050EC

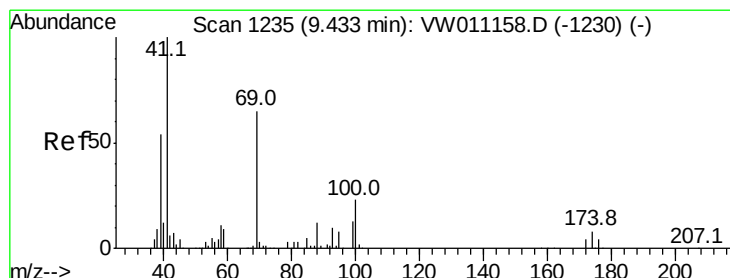
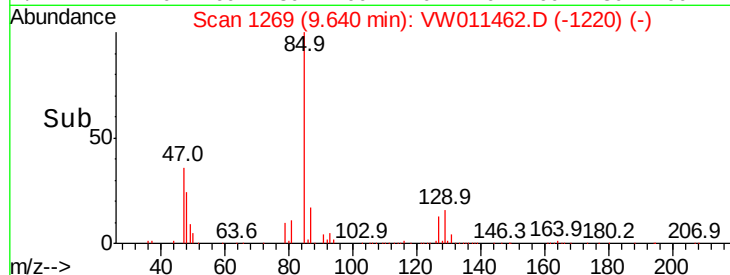
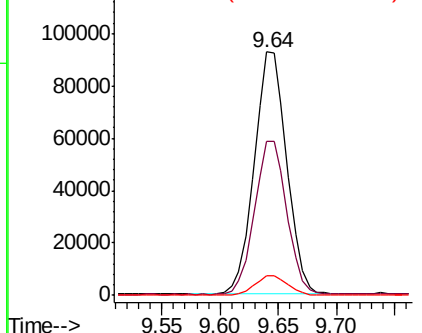
Tot Ion:	83	Resp:	178637
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.0	76.4
127	7.9	6.0	9.0

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.586 ug/l

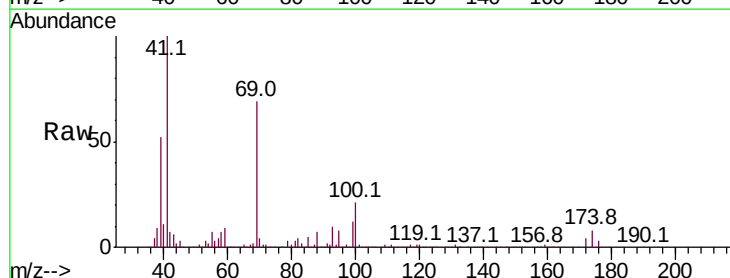
RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

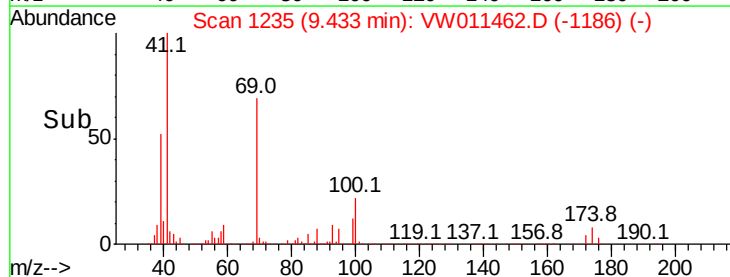
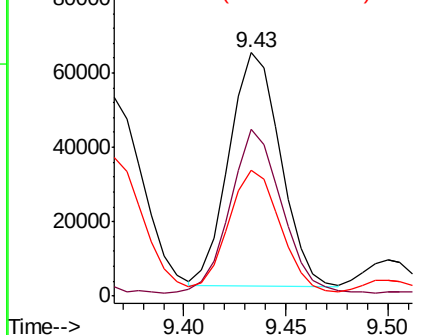
Lab File: VW011462.D

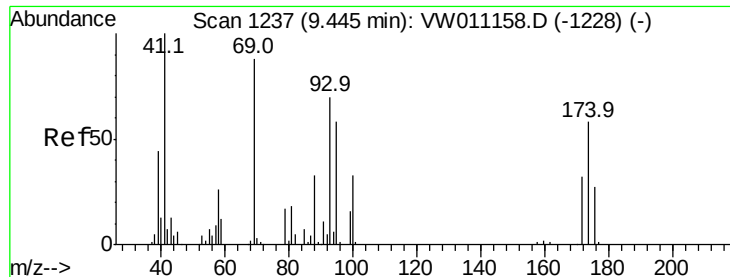
Acq: 24 Jul 2019 05:16

Tgt Ion:	41	Resp:	109733
Ion Ratio	Lower	Upper	
41	100		
69	70.2	56.0	84.0
39	55.4	43.5	65.3



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





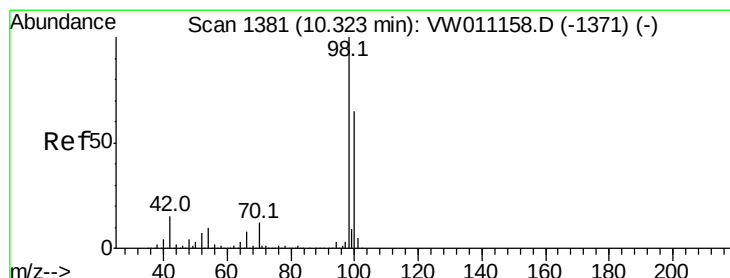
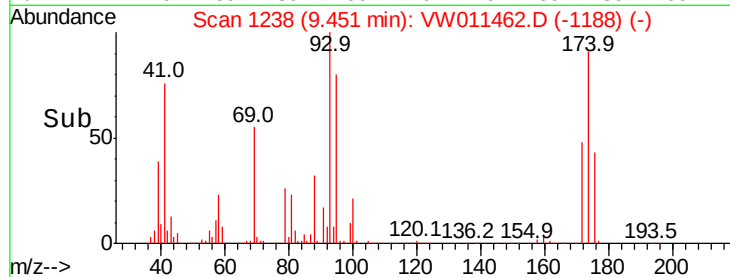
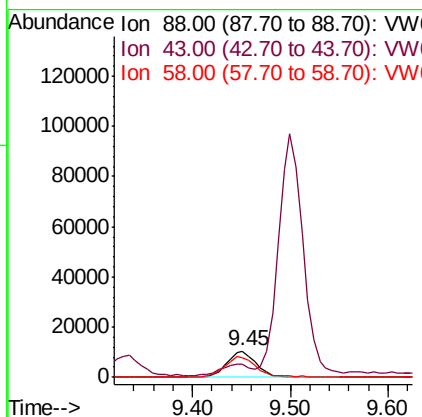
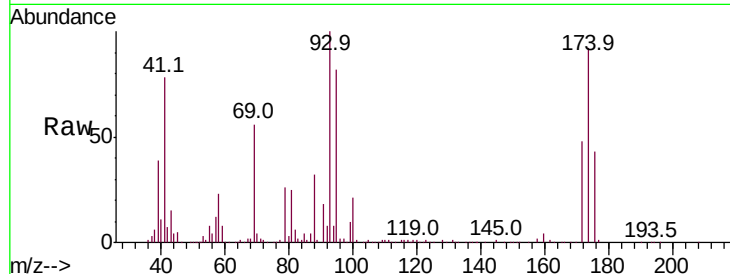
#49
1,4-Dioxane
Concen: 907.197 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.6	33.4	50.0
58	84.0	64.5	96.7

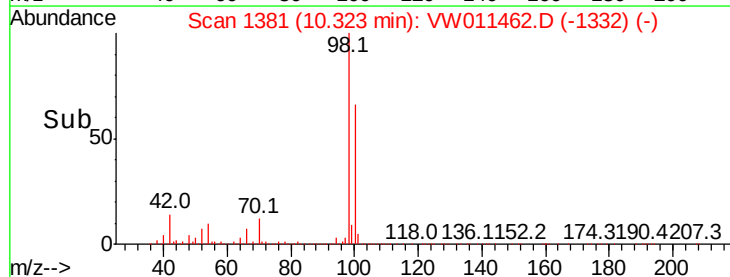
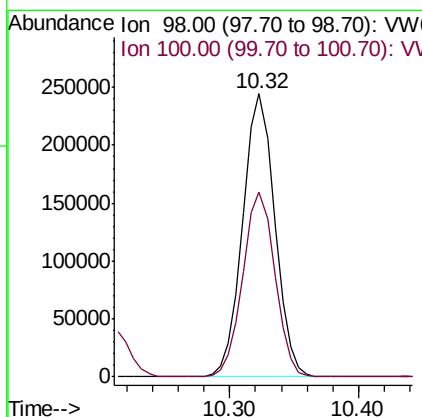
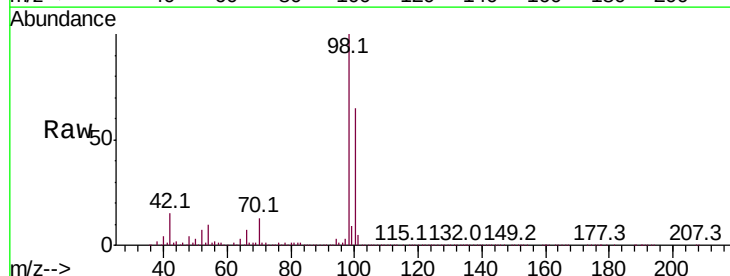
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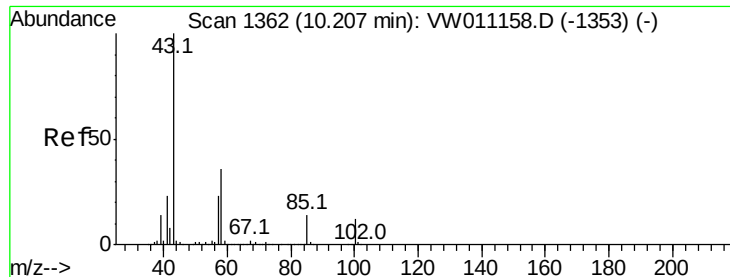
MMDadoda
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#50
Toluene-d8
Concen: 45.649 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6





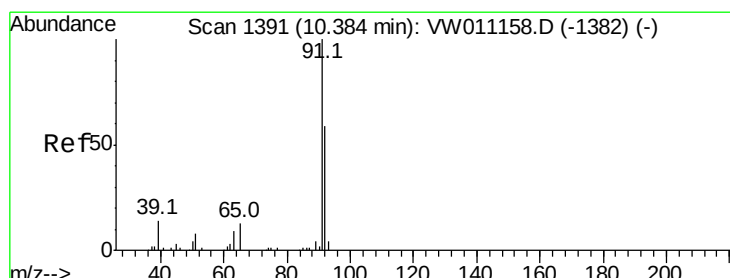
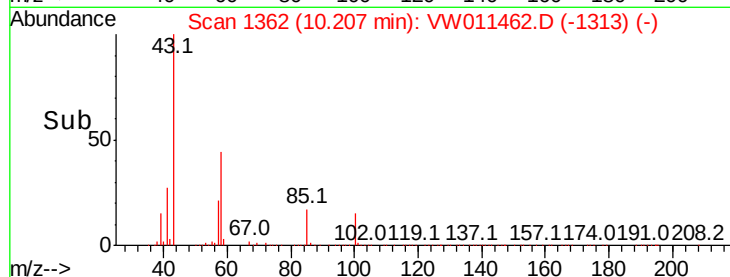
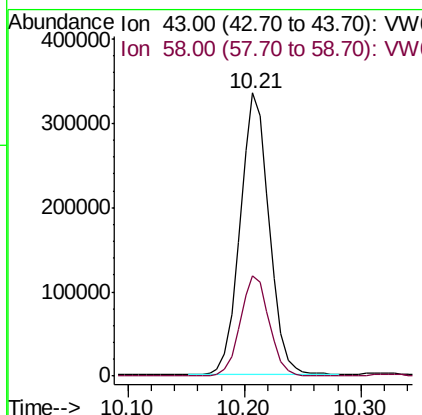
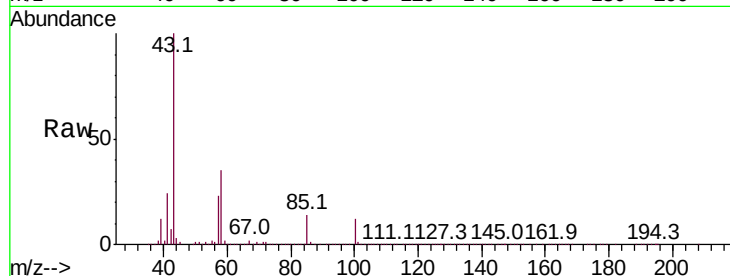
#51
4-Methyl-2-Pentanone
Concen: 239.748 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.2	42.2

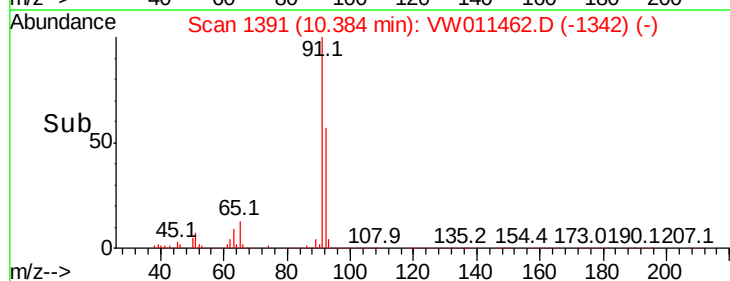
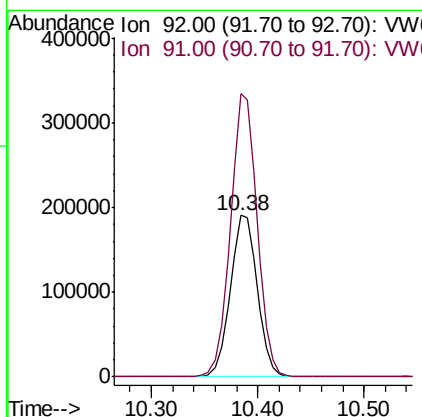
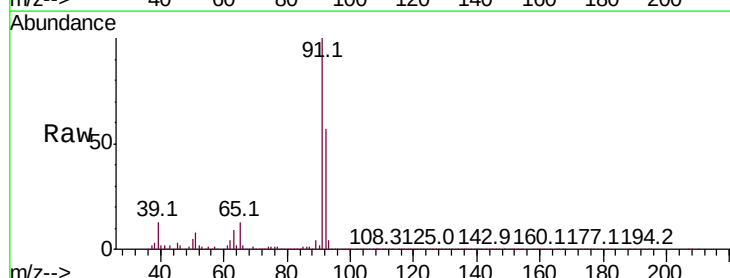
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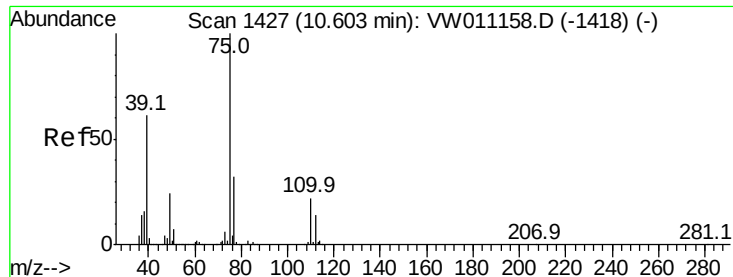
MMDadoda
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#52
Toluene
Concen: 49.802 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	136.6	205.0





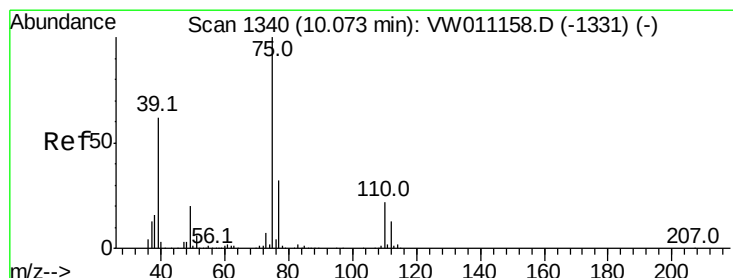
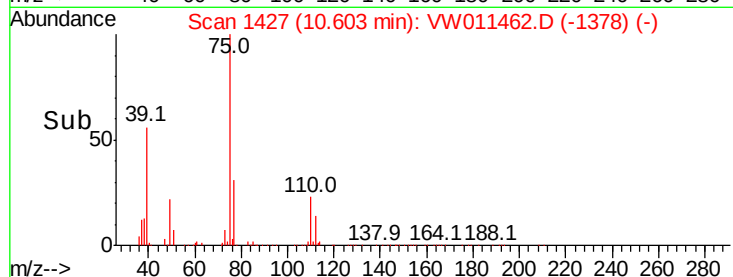
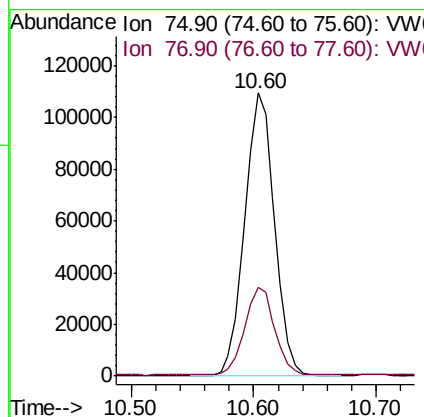
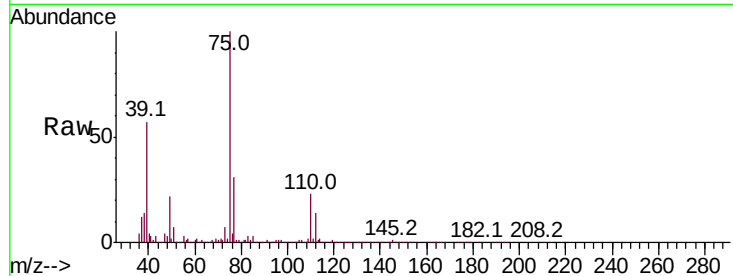
#53
t-1,3-Dichloropropene
Concen: 47.689 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 185158
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0

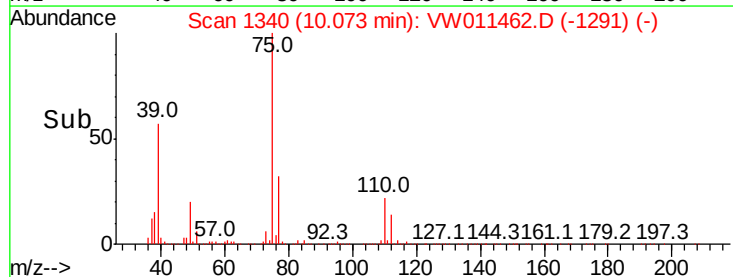
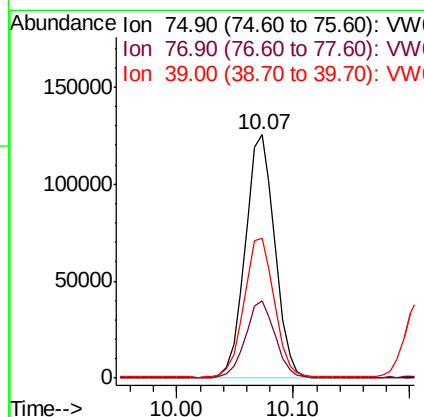
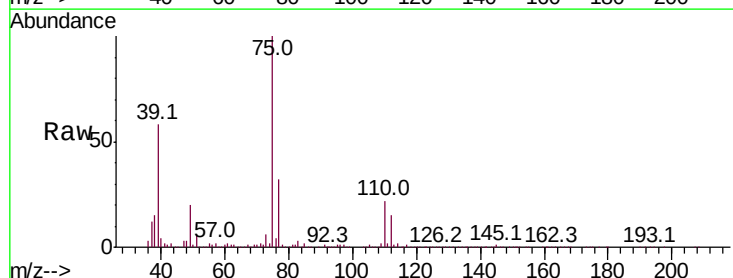
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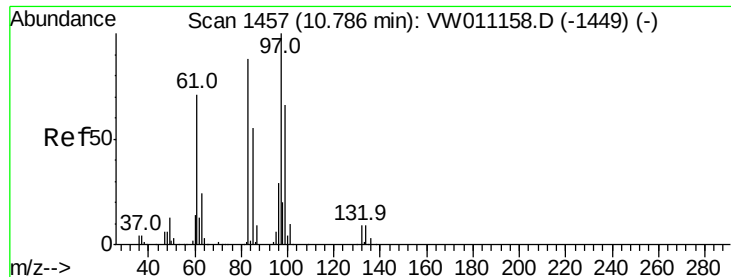
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#54
cis-1,3-Dichloropropene
Concen: 48.537 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 75 Resp: 221816
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
39 57.2 49.8 74.8





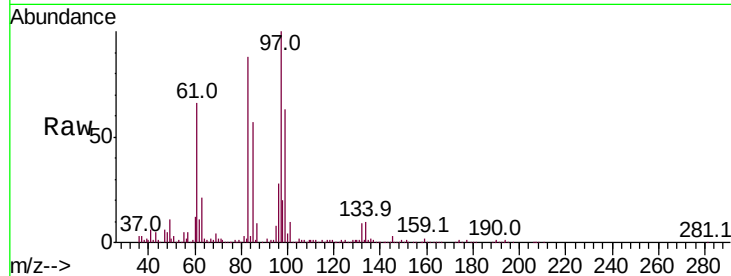
#55
 1,1,2-Trichloroethane
 Concen: 49.011 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

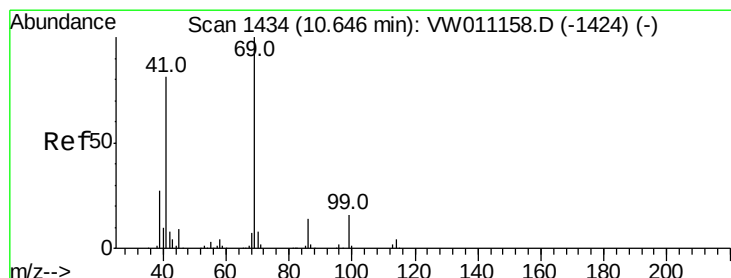
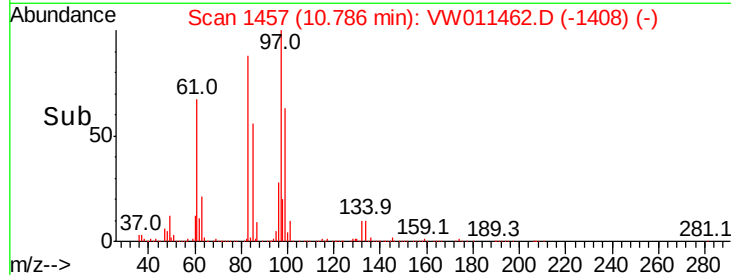
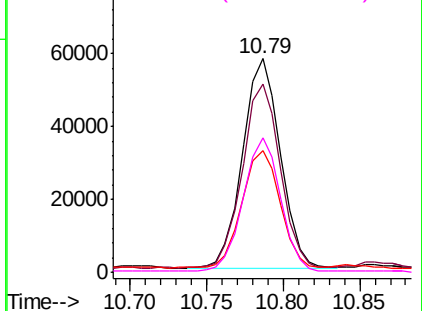
Tot Ion	97	Resp	99119
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.2	105.4
85	55.2	44.2	66.2
99	63.2	52.6	79.0

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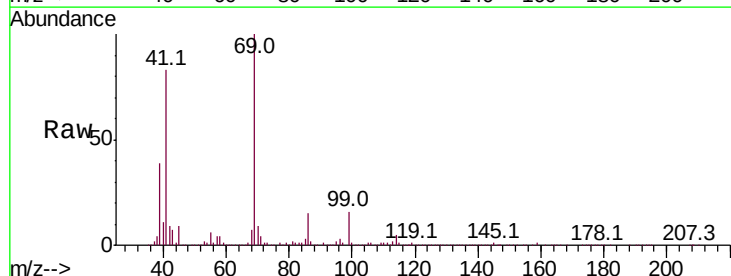


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

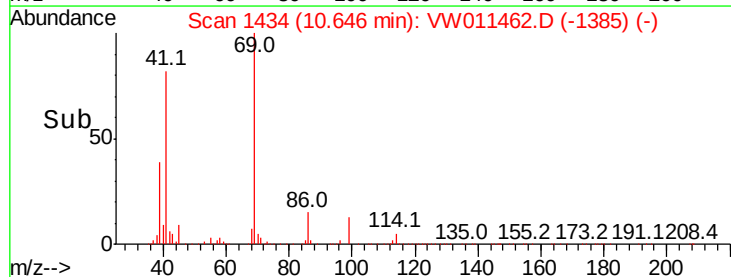
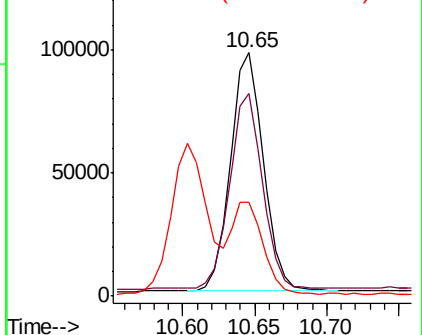


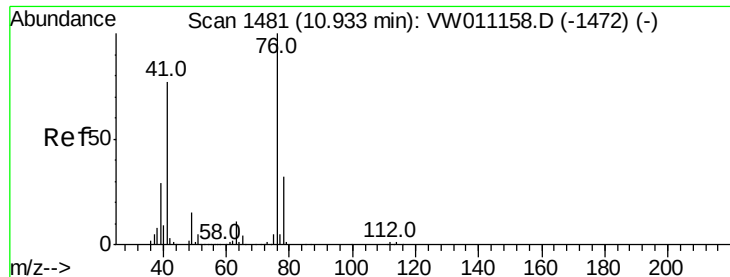
#56
 Ethyl methacrylate
 Concen: 50.269 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion	69	Resp	154781
Ion	Ratio	Lower	Upper
69	100		
41	83.6	66.5	99.7
39	36.3	32.5	48.7



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





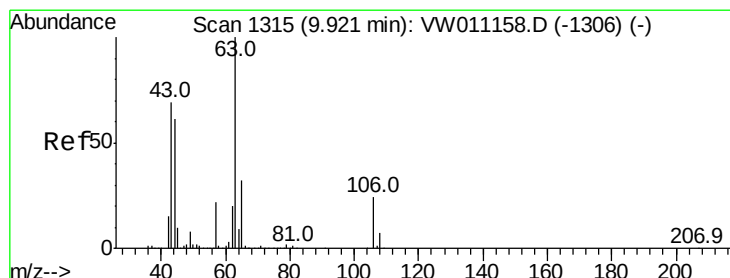
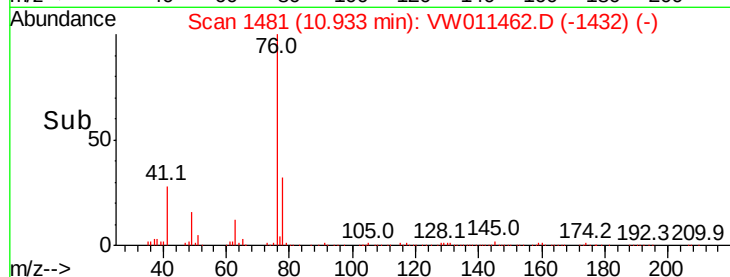
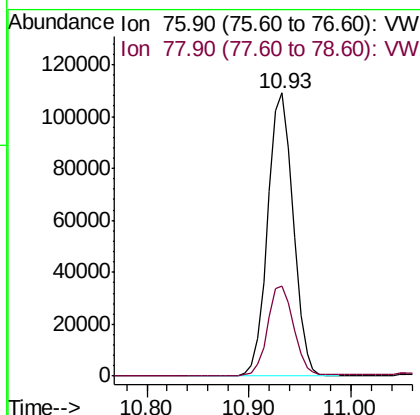
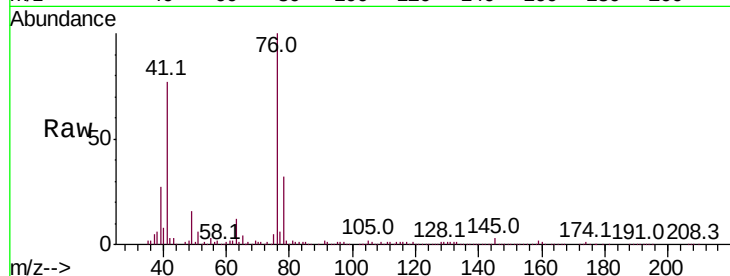
#57
 1,3-Dichloropropane
 Concen: 49.228 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 188266
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2

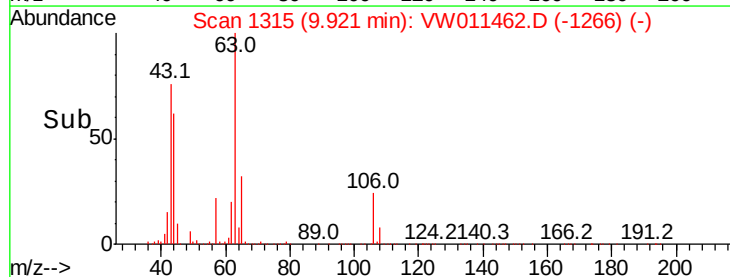
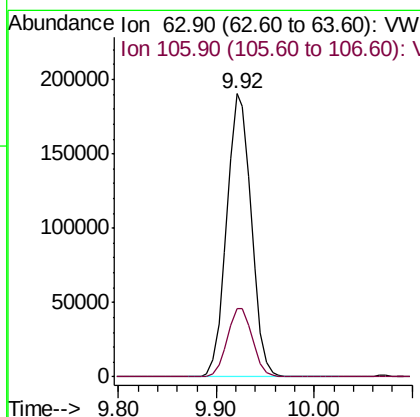
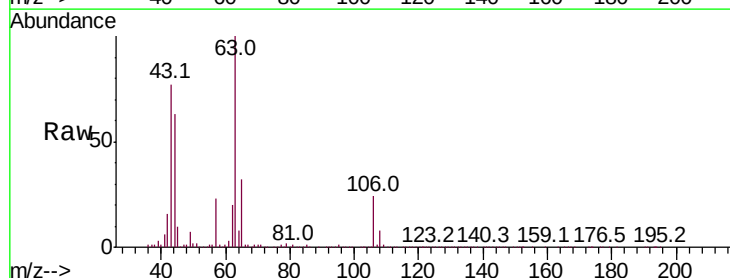
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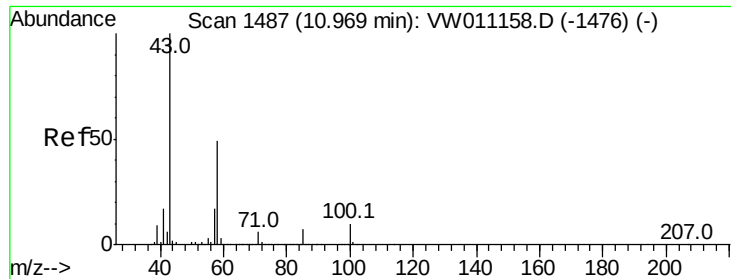
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 7/24/2019 9:34:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.199 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion: 63 Resp: 331452
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.0





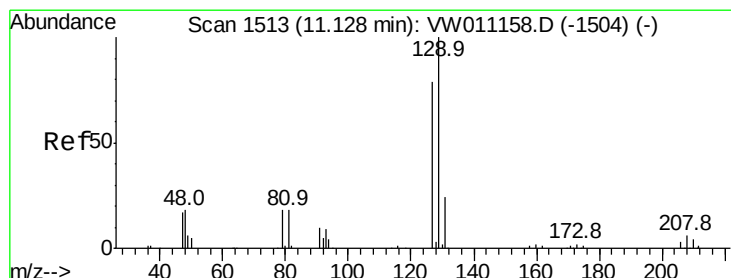
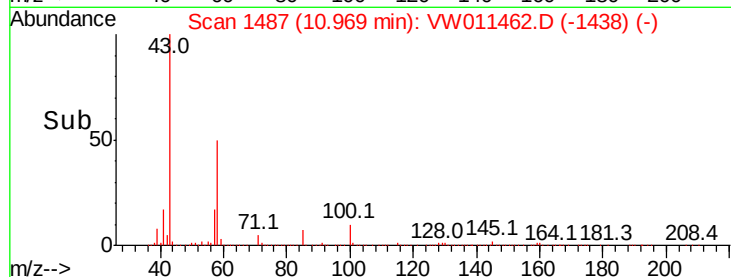
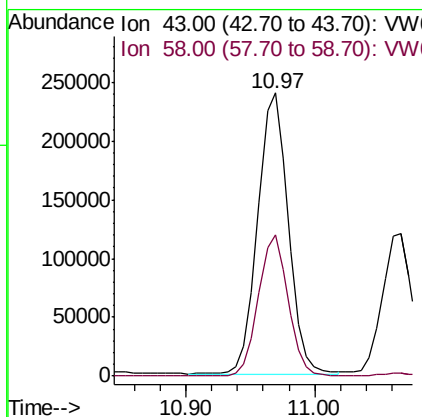
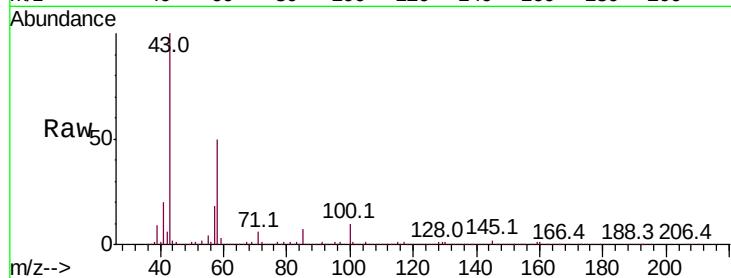
#59
2-Hexanone
Concen: 233.259 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	100	49.3	Resp	388701	Lower	24.4	Upper	73.4
Ion	43	58	Ratio	100	49.3	Resp	388701	Lower	24.4	Upper	73.4

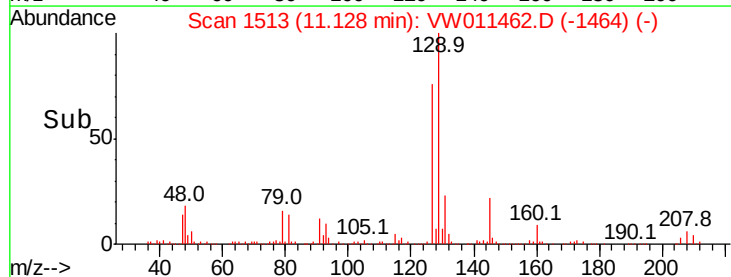
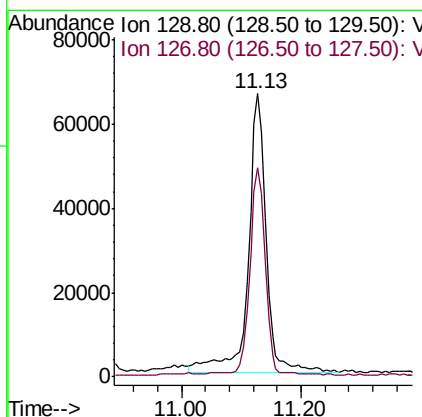
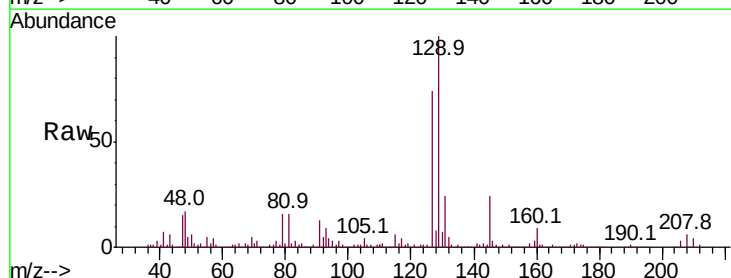
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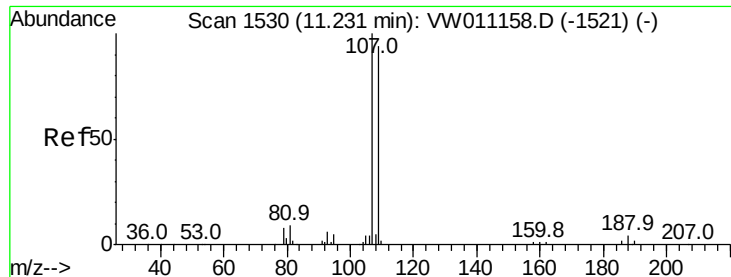
MMDadoda
7/24/2019 9:34:32 AM



#60
Dibromochloromethane
Concen: 61.894 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	129	127	Ratio	100	64.4	Resp	137261	Lower	39.1	Upper	117.3
Ion	129	127	Ratio	100	64.4	Resp	137261	Lower	39.1	Upper	117.3





#61

1,2-Dibromoethane

Concen: 48.709 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 93311

Ion Ratio Lower Upper

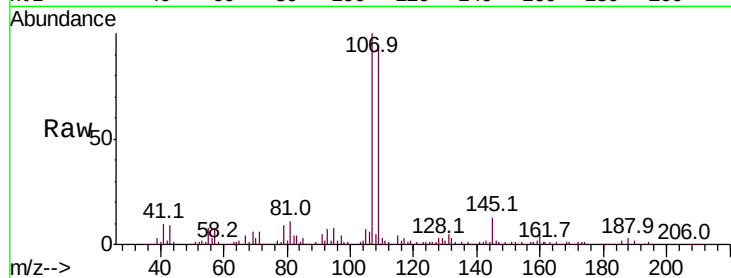
107 100

109 94.5 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

60000

50000

40000

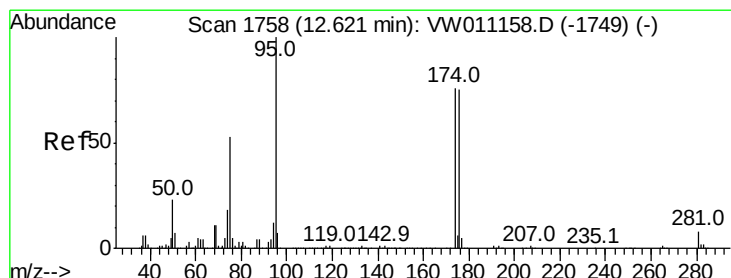
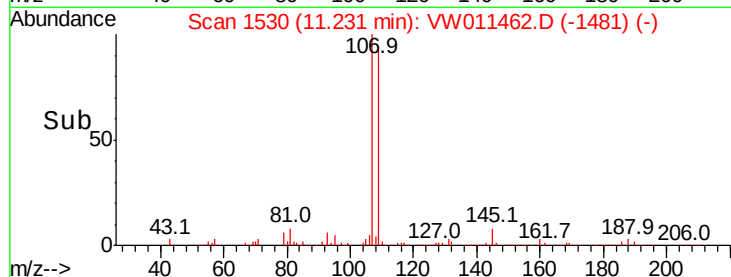
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.691 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

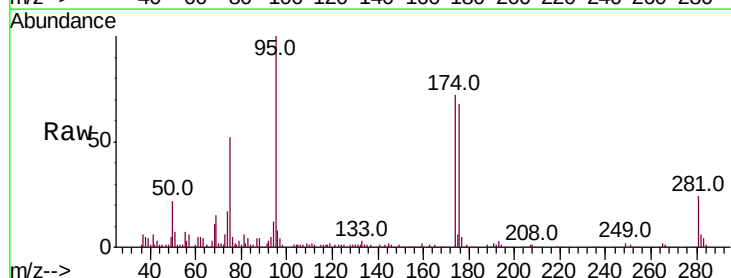
Tgt Ion: 95 Resp: 150286

Ion Ratio Lower Upper

95 100

174 77.9 0.0 147.6

176 73.1 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

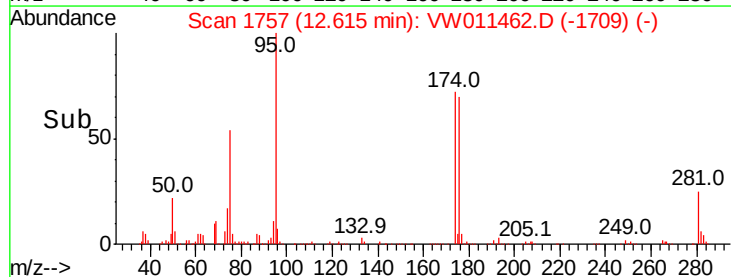
60000

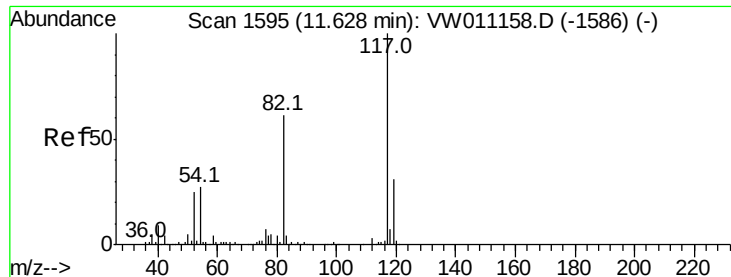
40000

20000

0

Time-->





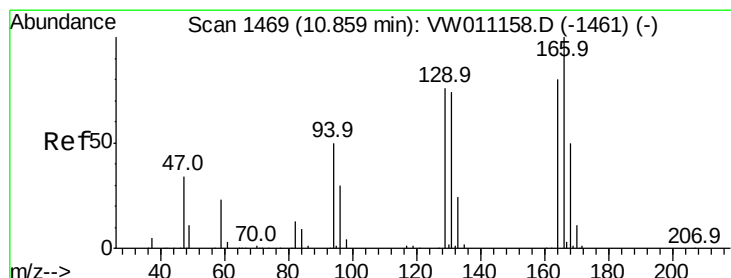
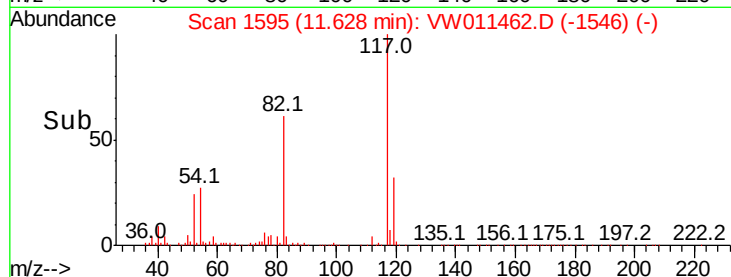
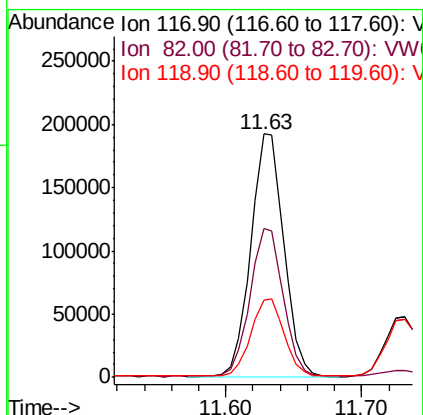
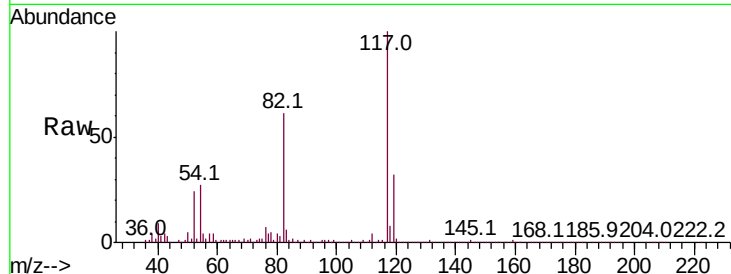
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.9	73.3
119	31.5	25.0	37.6

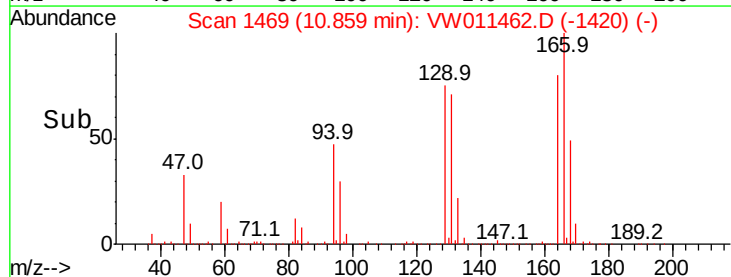
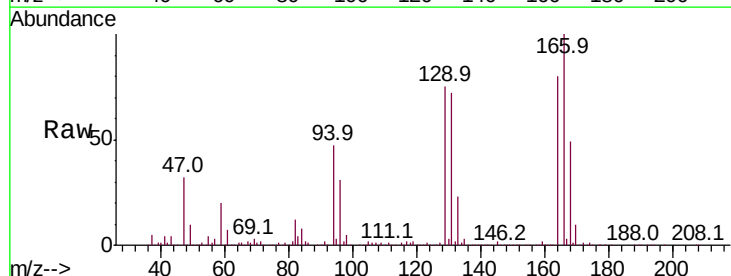
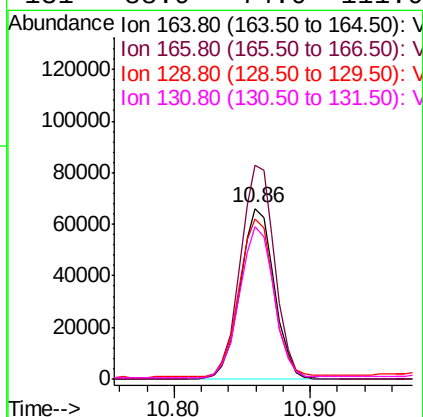
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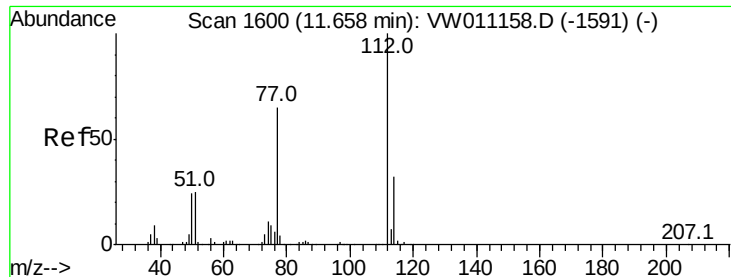
MMDadoda
7/24/2019 9:34:32 AM



#64
Tetrachloroethene
Concen: 52.075 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	99.7	149.5
129	92.8	76.2	114.2
131	88.9	74.0	111.0





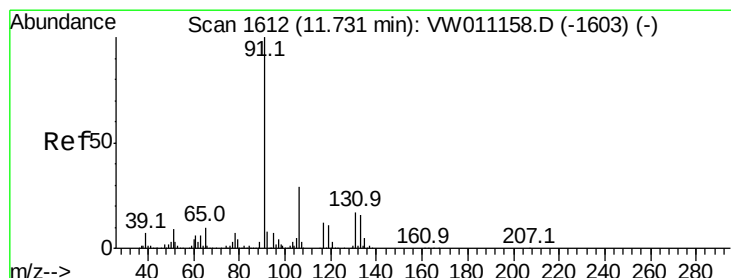
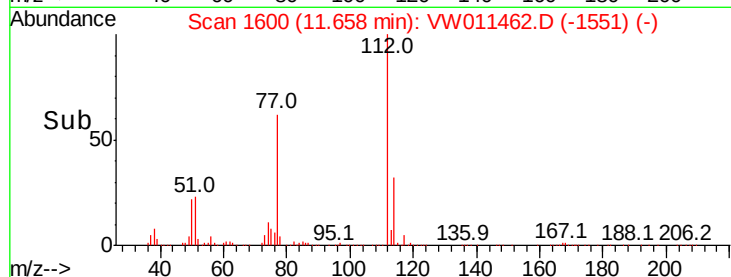
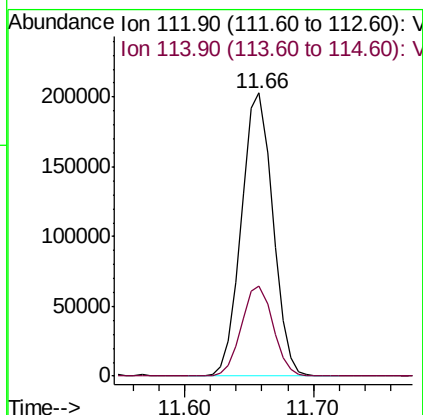
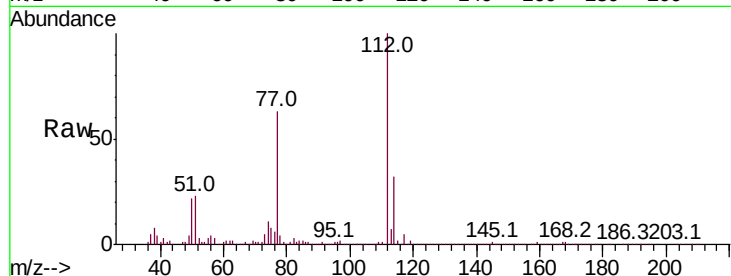
#65
Chlorobenzene
Concen: 51.366 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.5	38.3

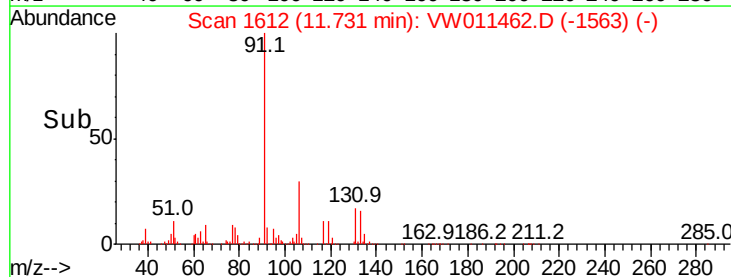
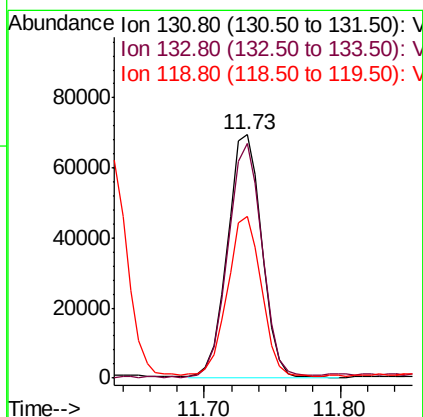
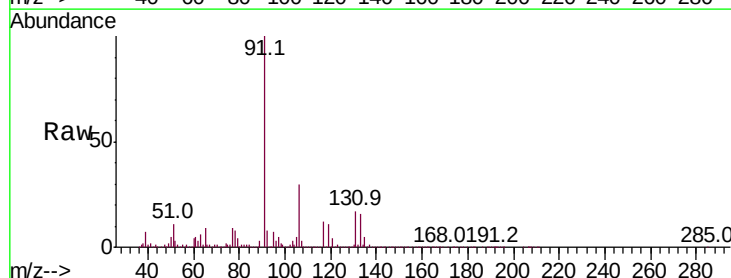
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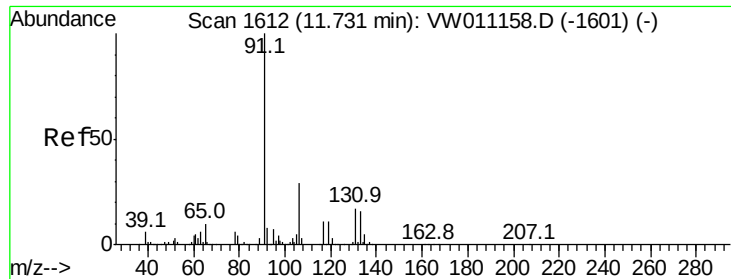
MMDadoda
7/24/2019 9:34:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.537 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.9	143.8
119	65.1	33.1	99.2





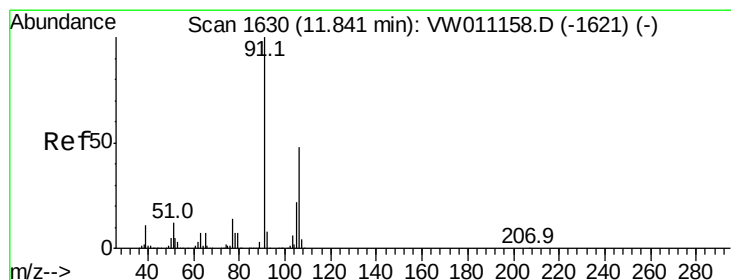
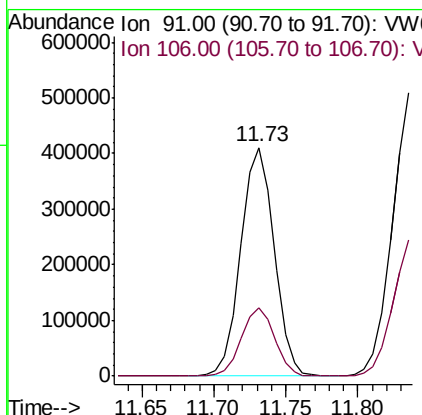
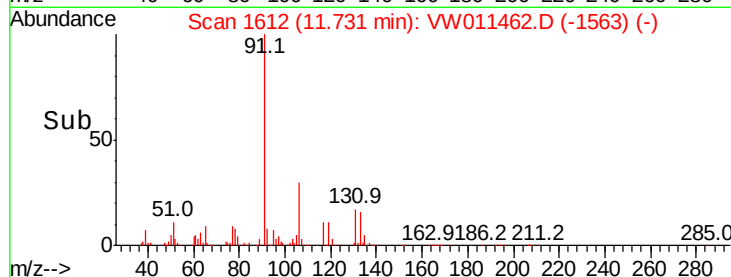
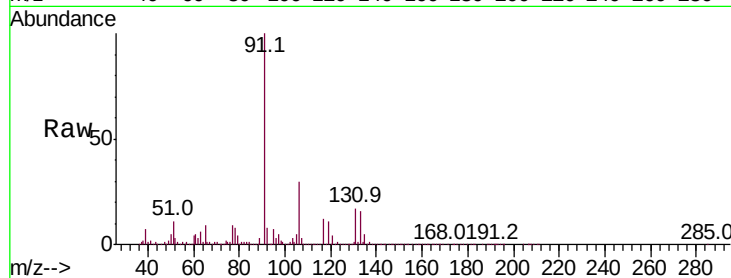
#67
Ethyl Benzene
Concen: 51.604 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.5	35.3

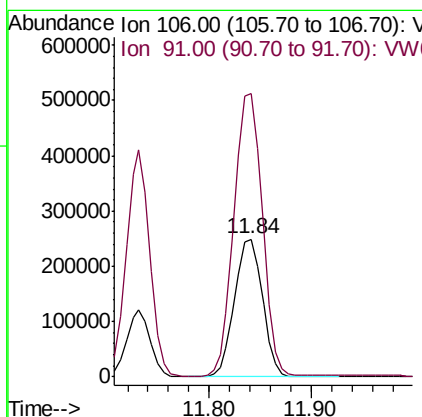
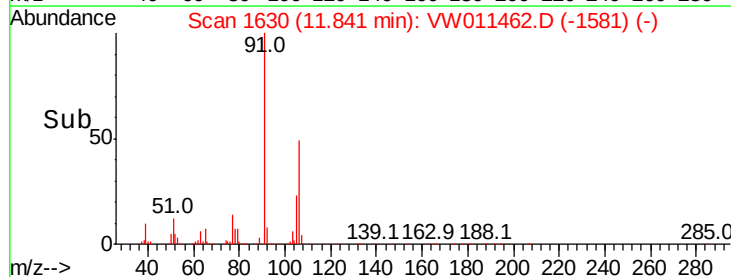
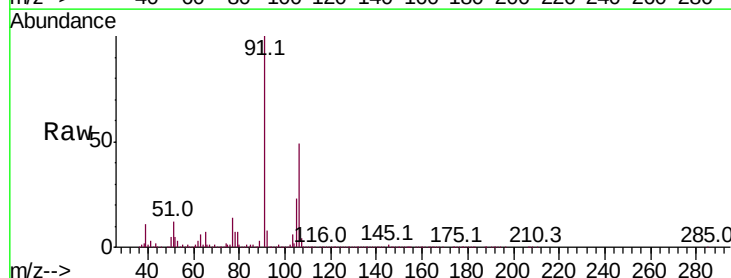
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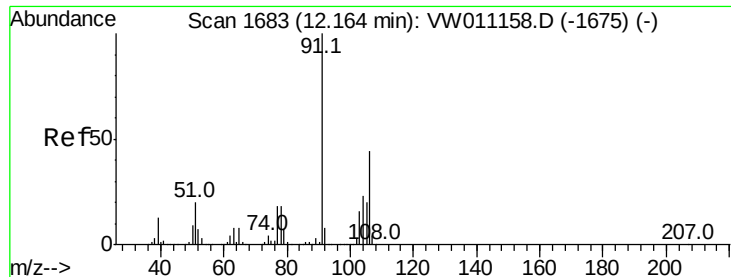
MMDadoda
7/24/2019 9:34:32 AM



#68
m/p-Xylenes
Concen: 102.589 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.7	251.5





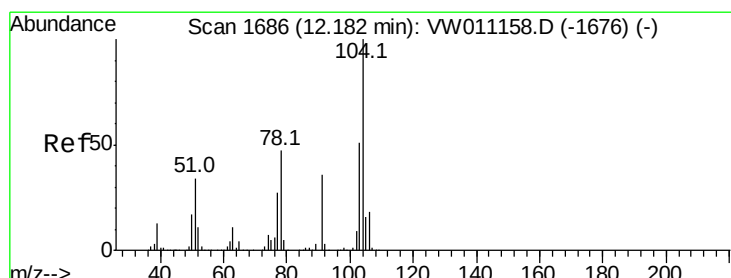
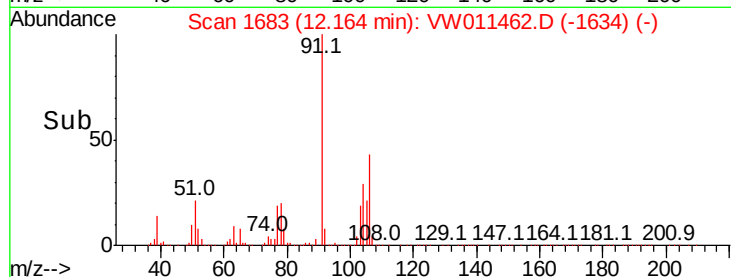
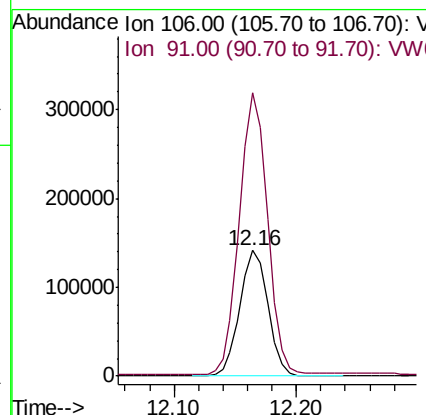
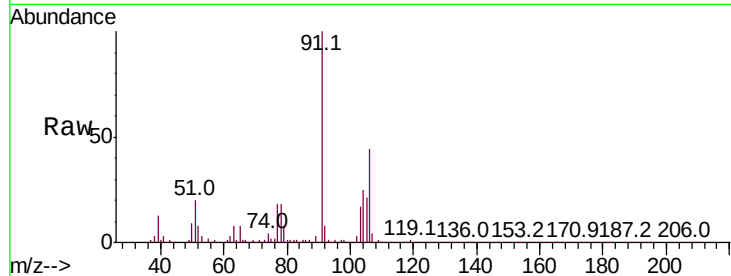
#69
o-Xylene
Concen: 51.880 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.5	110.7	332.1

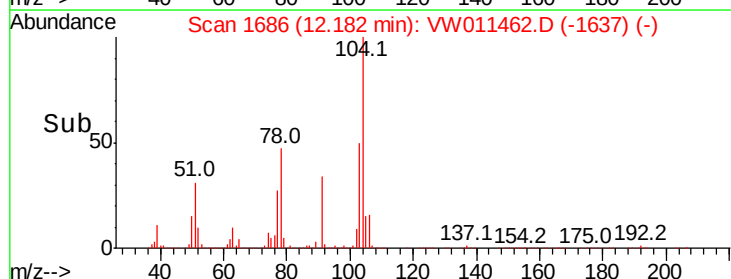
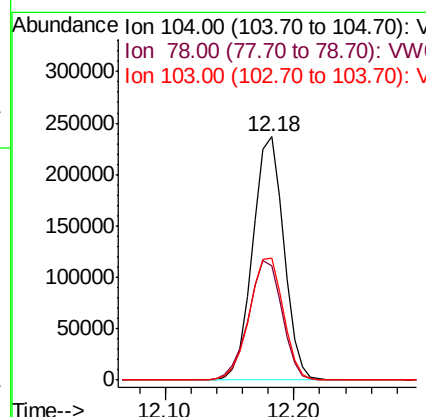
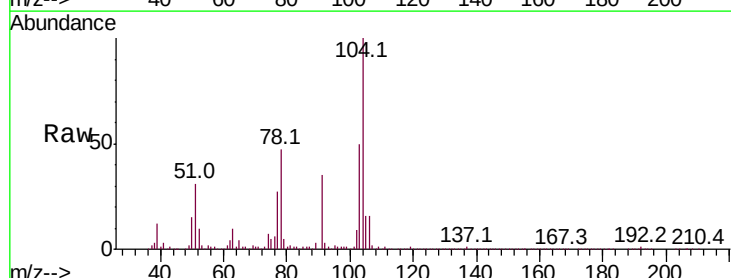
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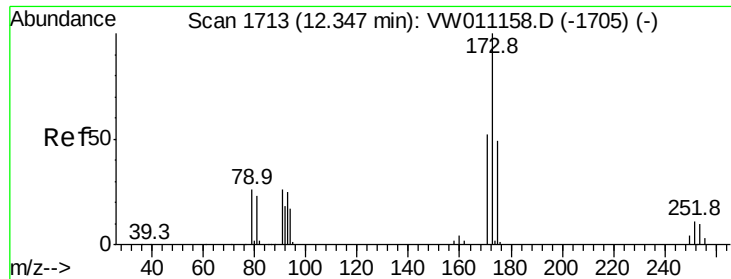
MMDadoda
7/24/2019 9:34:32 AM



#70
Styrene
Concen: 52.328 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.1	43.1	64.7
103	54.9	44.1	66.1





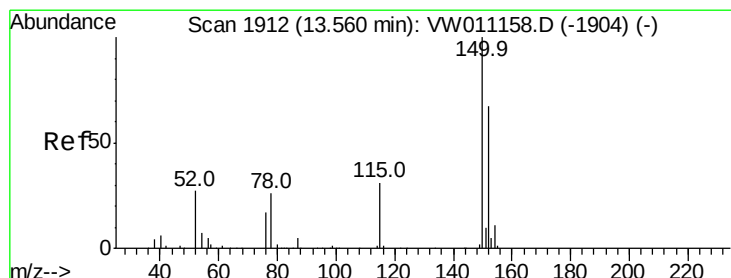
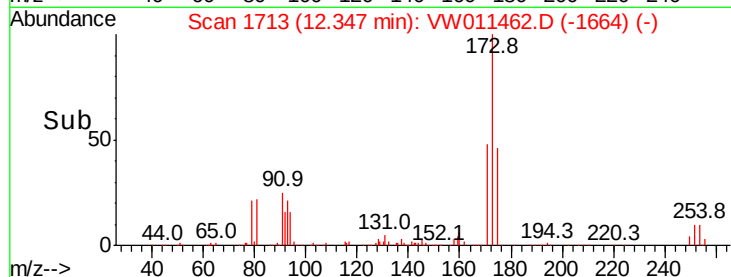
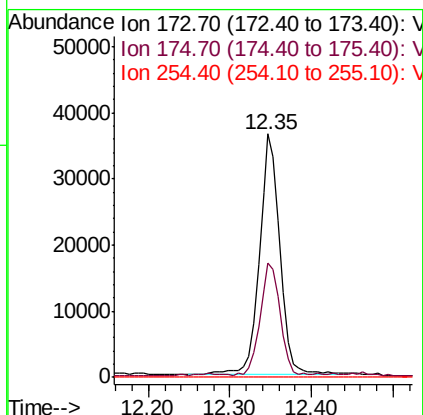
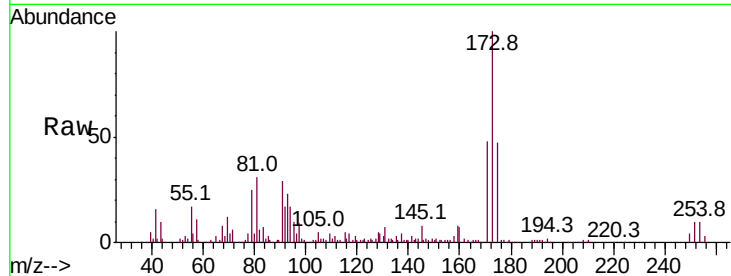
#71
Bromoform
Concen: 51.795 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.8	24.8	74.3
254	0.1	0.0	0.0#

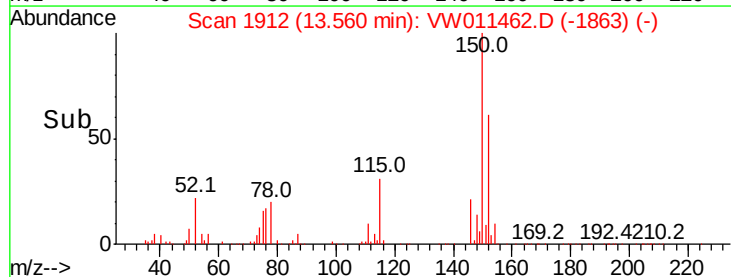
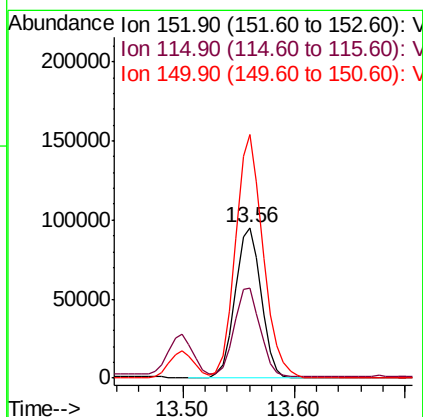
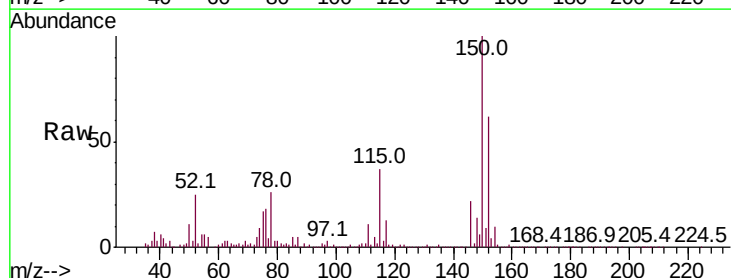
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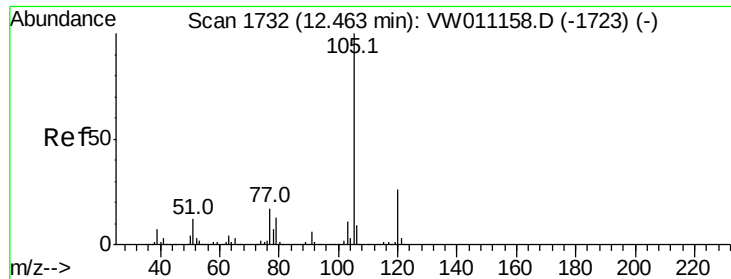
MMDadoda
7/24/2019 9:34:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.1	90.3
150	170.6	0.0	346.0





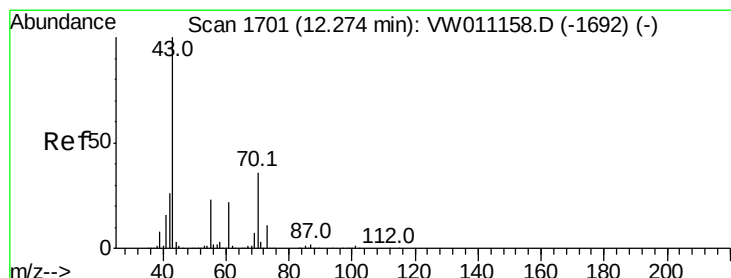
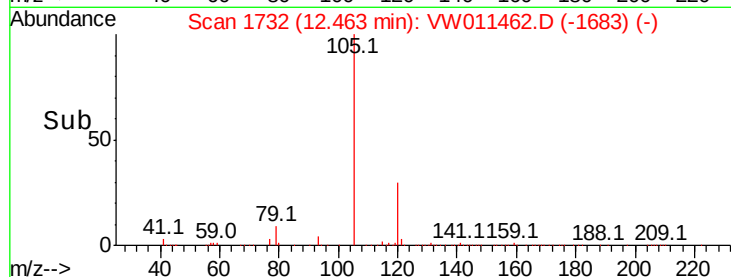
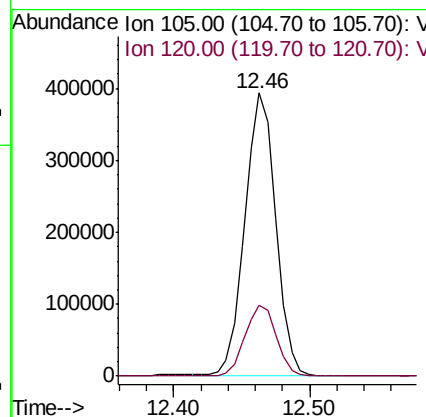
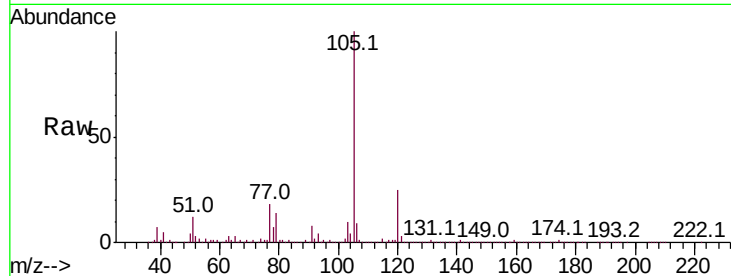
#73
Isopropylbenzene
Concen: 54.189 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 621332
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.3

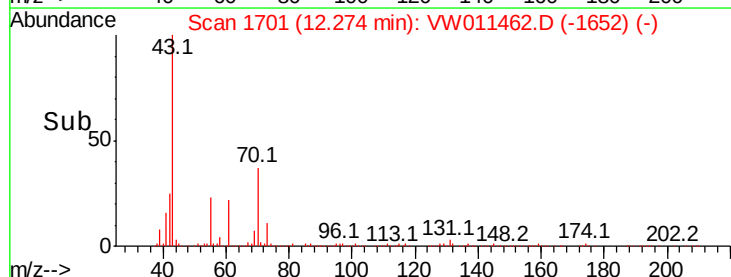
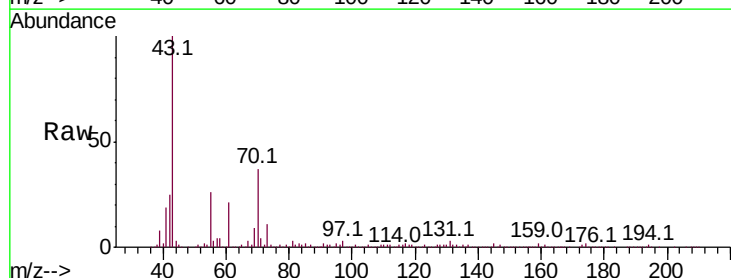
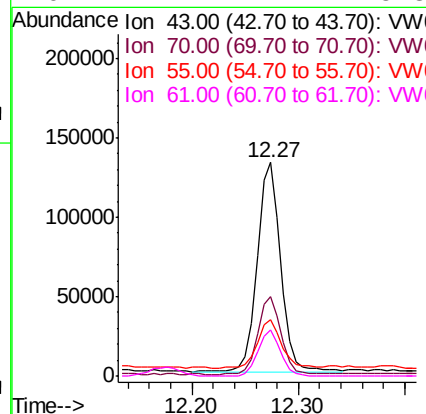
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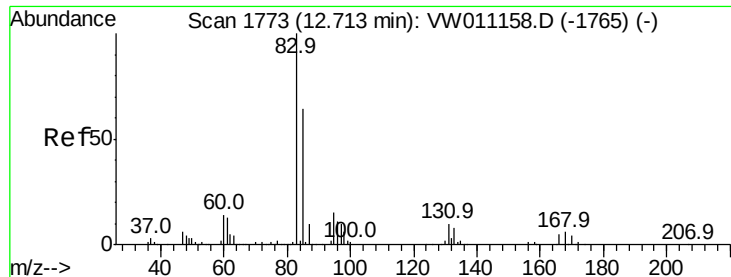
MMDadoda
7/24/2019 9:34:32 AM



#74
N-ethyl acetate
Concen: 50.719 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 43 Resp: 202539
Ion Ratio Lower Upper
43 100
70 37.6 28.5 42.7
55 23.6 18.1 27.1
61 21.1 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.240 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

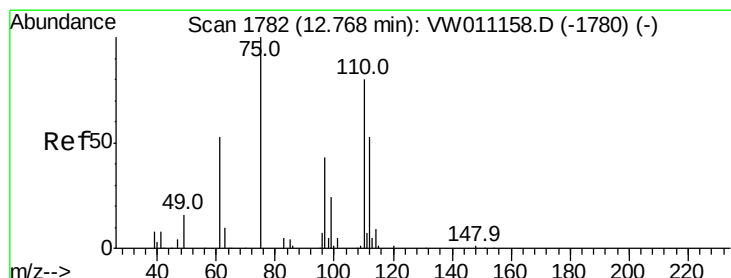
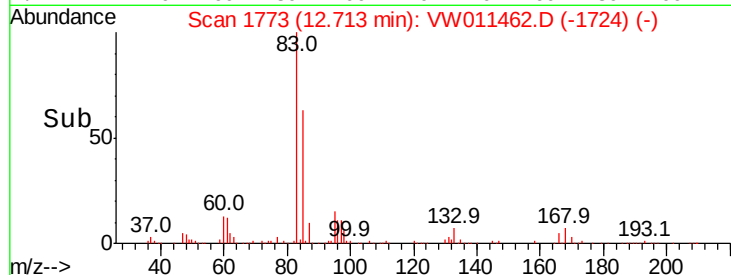
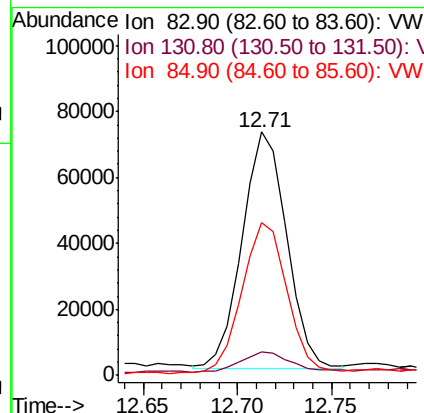
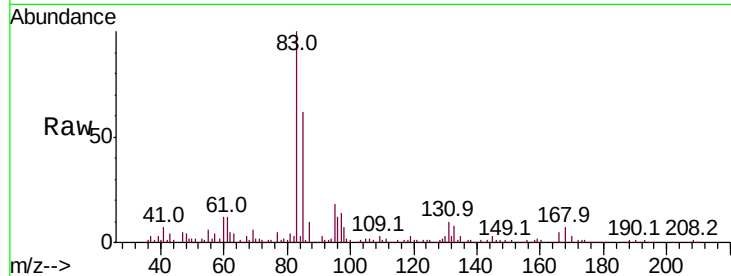
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	118083
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	15.0
85	64.8	31.6	94.8

Manual Integrations
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MMDadoda
7/24/2019 9:34:32 AM



#76

1,2,3-Trichloropropane

Concen: 45.804 ug/l m

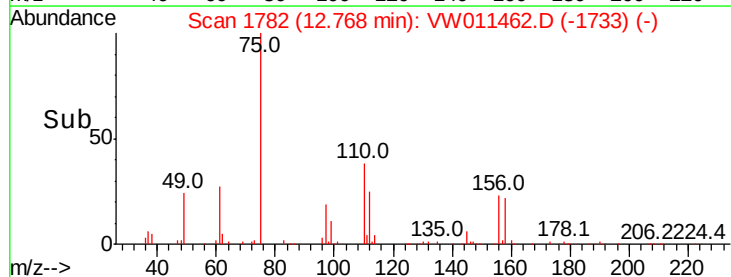
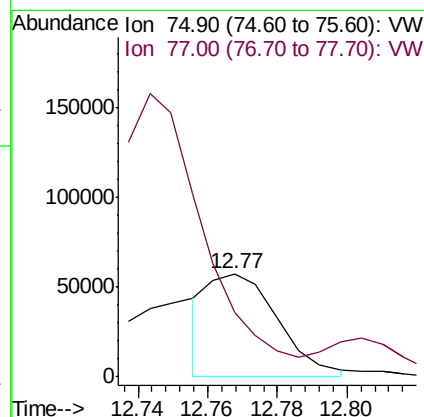
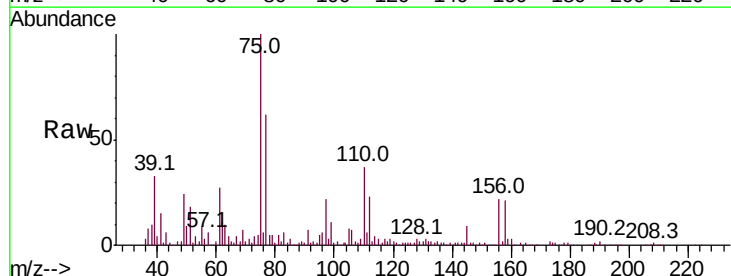
RT: 12.77 min Scan# 1782

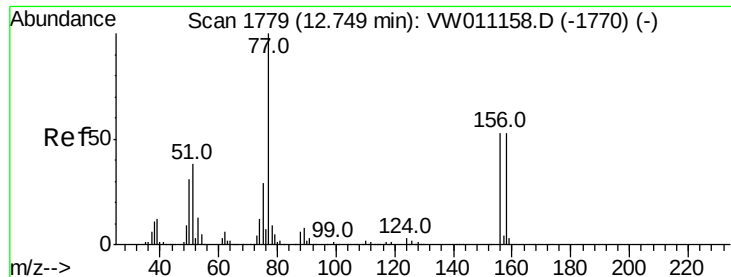
Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Tgt Ion:	75	Resp:	81189
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.740 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

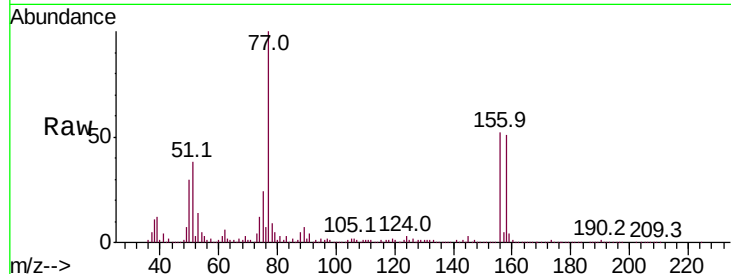
ClientSampleId :

VSTDCCC050EC

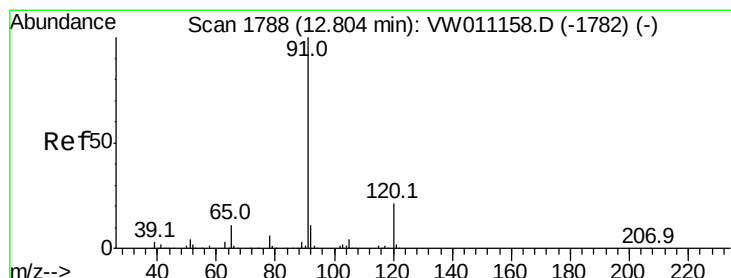
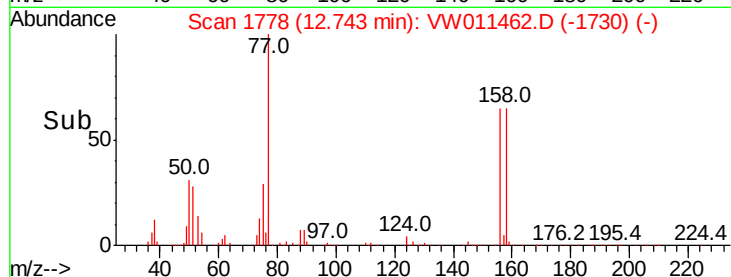
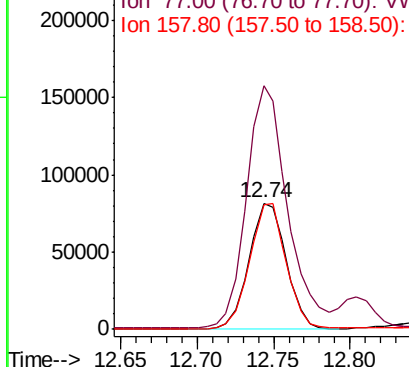
Tot Ion:	156	Resp:	138282
Ion Ratio	Lower	Upper	
156	100		
77	210.5	109.0	327.0
158	98.6	48.8	146.3

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.045 ug/l

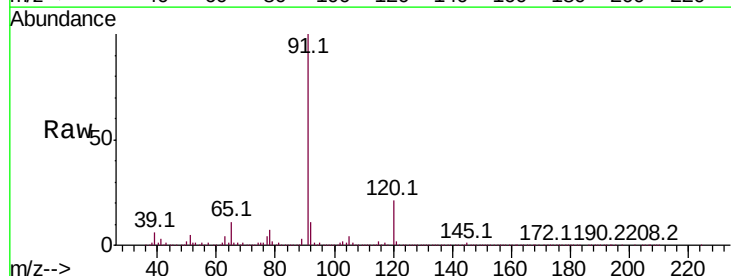
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

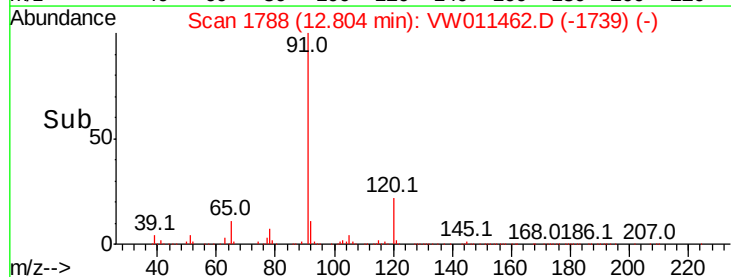
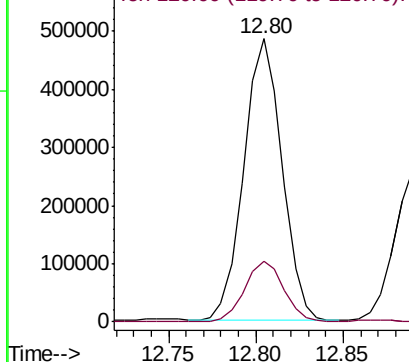
Lab File: VW011462.D

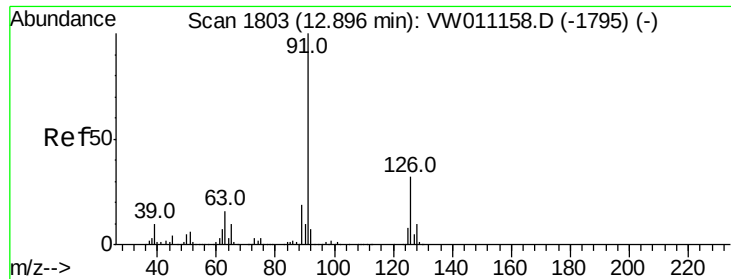
Acq: 24 Jul 2019 05:16

Tgt Ion:	91	Resp:	735107
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.8	32.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





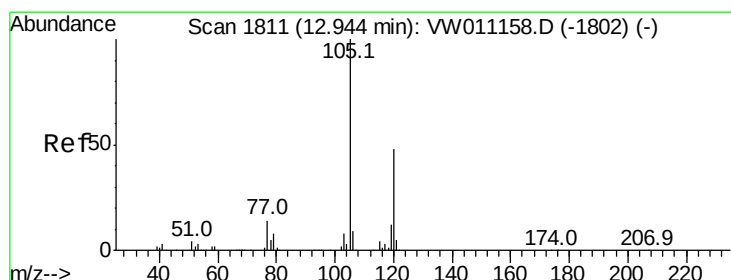
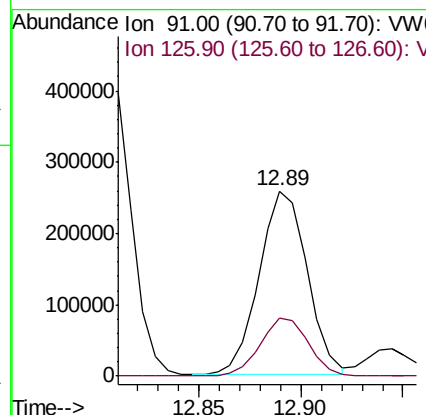
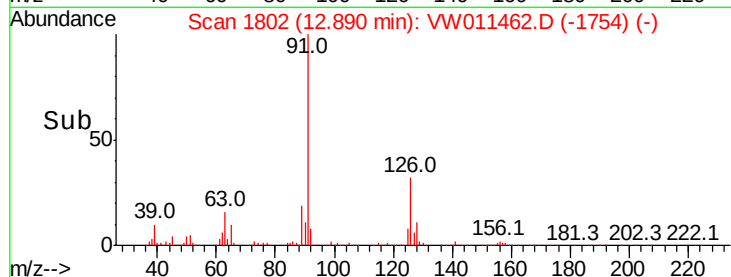
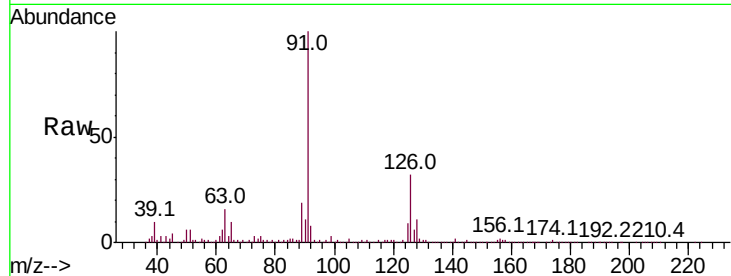
#79
 2-Chlorotoluene
 Concen: 51.978 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 422477
 Ion Ratio Lower Upper
 91 100
 126 32.0 15.8 47.3

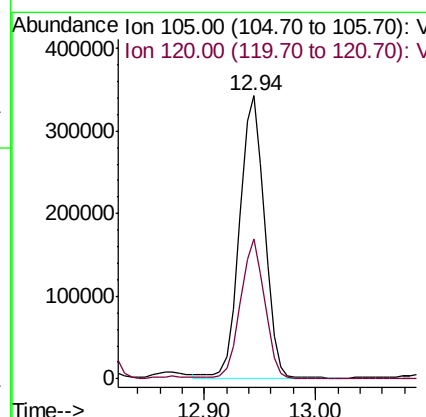
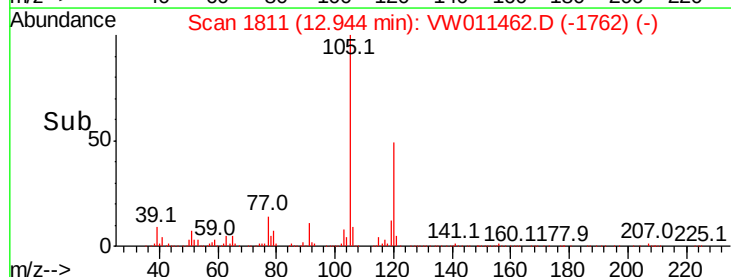
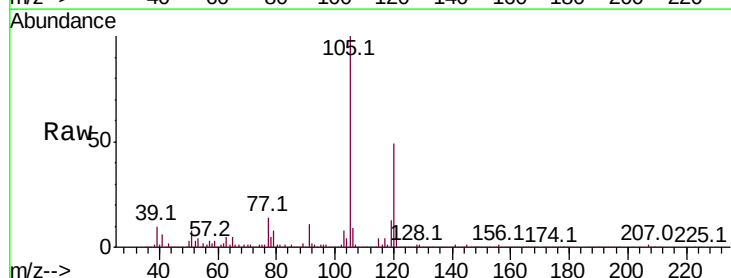
Manual Integrations
 APPROVED

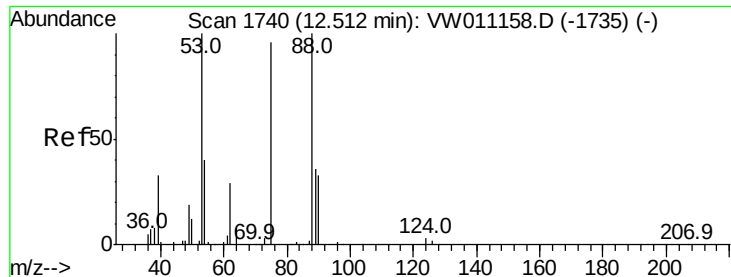
MMDadoda
 7/24/2019 9:34:32 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 54.046 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion: 105 Resp: 526463
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.2





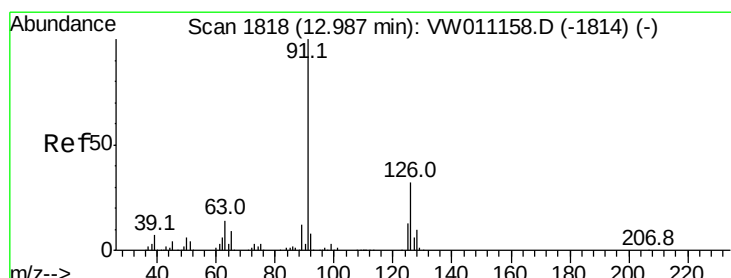
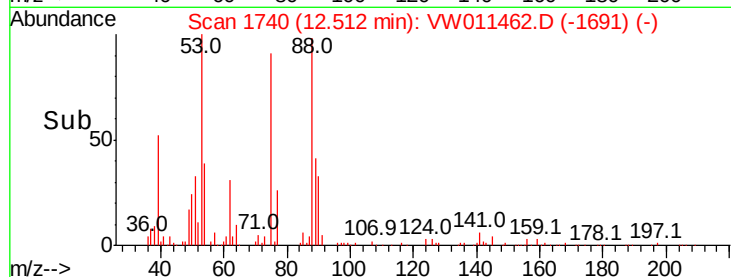
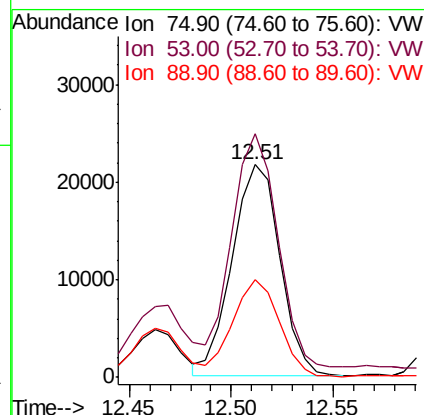
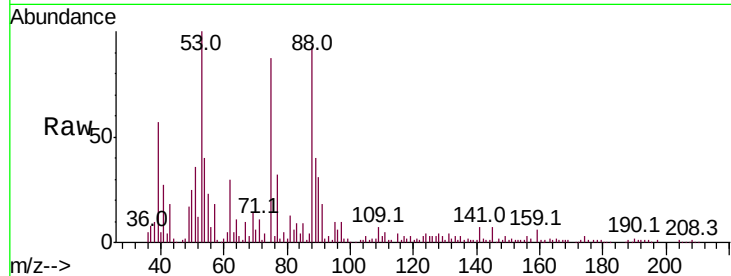
#81
trans-1,4-Dichloro-2-butene
Concen: 44.707 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 35036
Ion Ratio Lower Upper
75 100
53 105.7 89.8 134.6
89 44.3 34.3 51.5

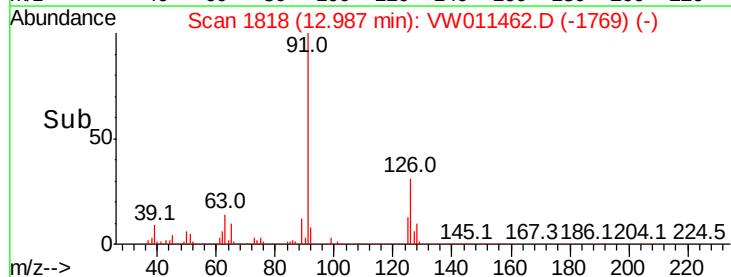
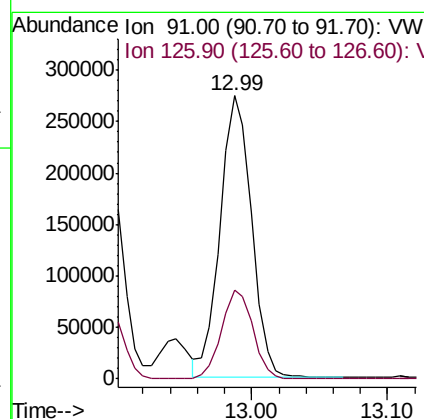
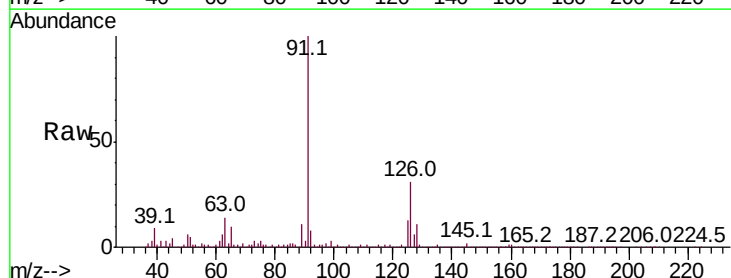
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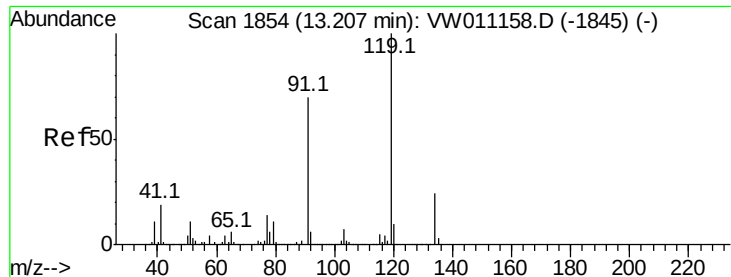
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.383 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 91 Resp: 434996
Ion Ratio Lower Upper
91 100
126 31.4 15.7 47.1





#83

tert-Butylbenzene

Concen: 54.762 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

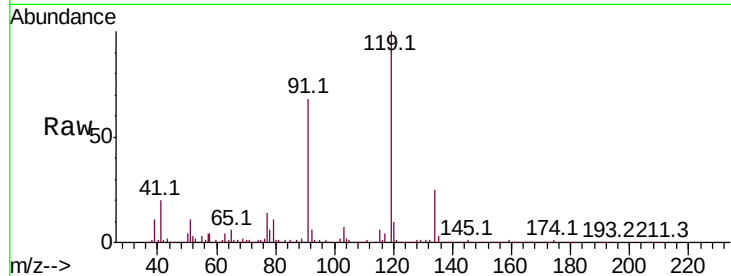
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	35.4	106.3
134	26.2	13.4	40.2

Manual Integrations
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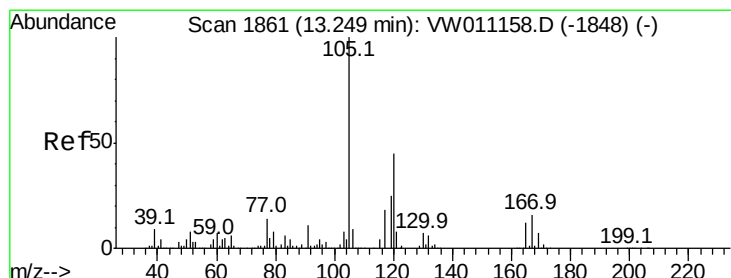
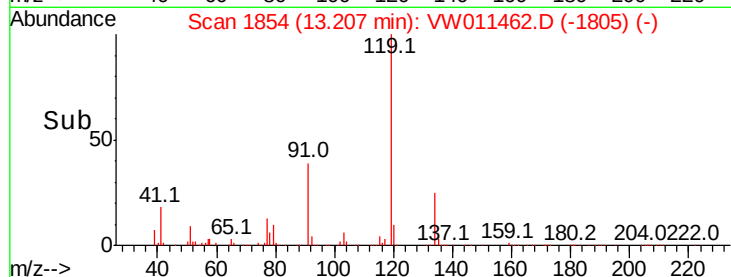
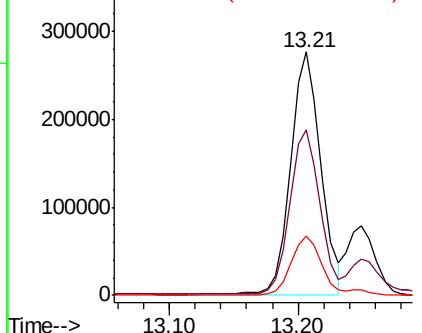
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.110 ug/l

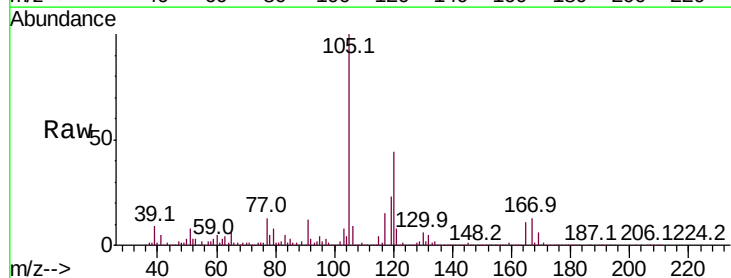
RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW011462.D

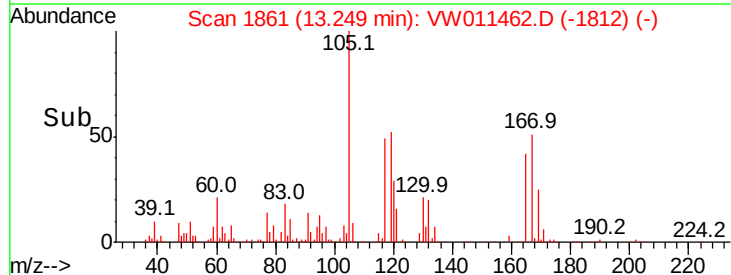
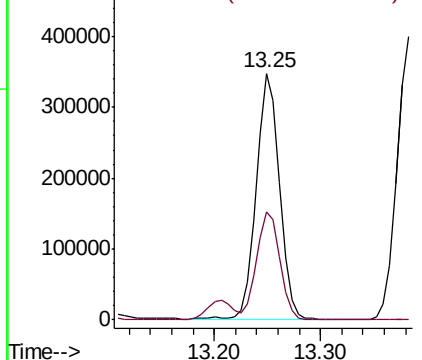
Acq: 24 Jul 2019 05:16

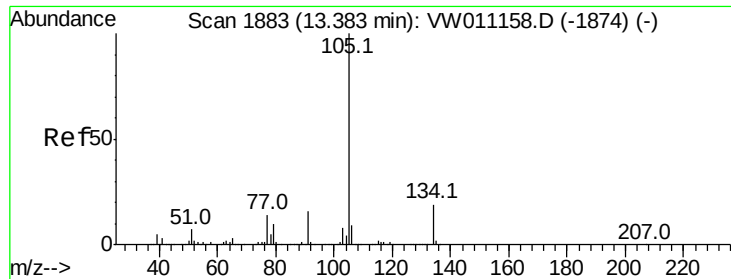
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





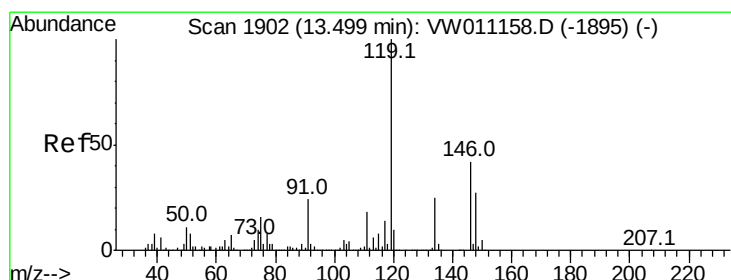
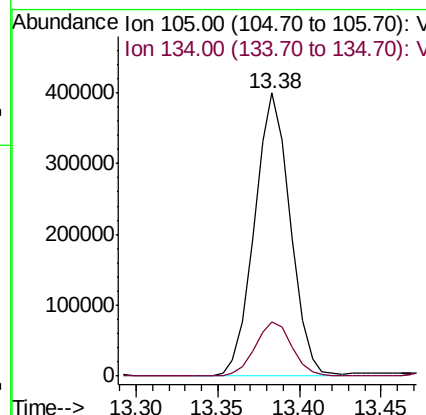
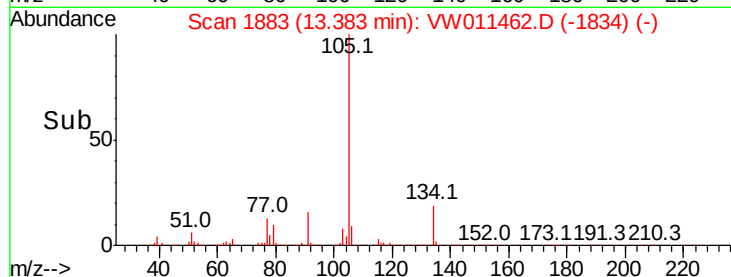
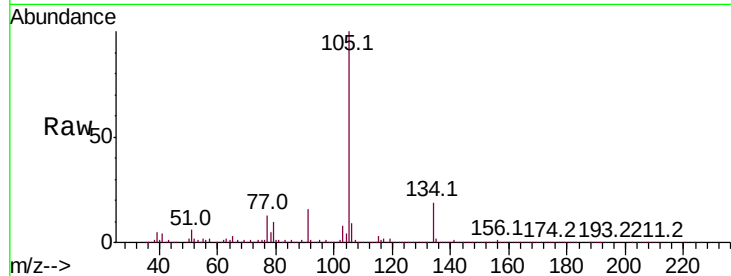
#85
 sec-Butylbenzene
 Concen: 51.632 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	28.9

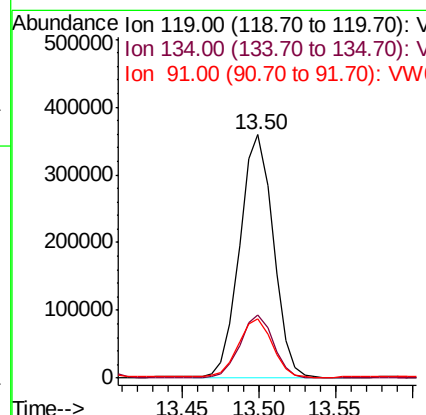
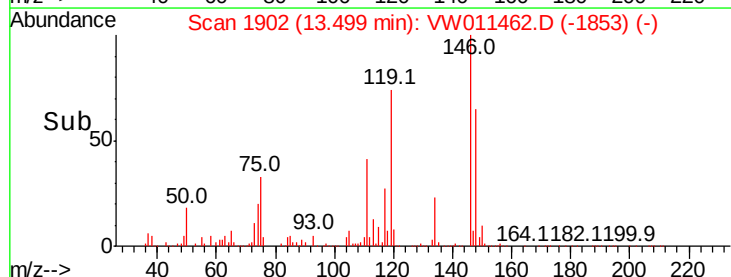
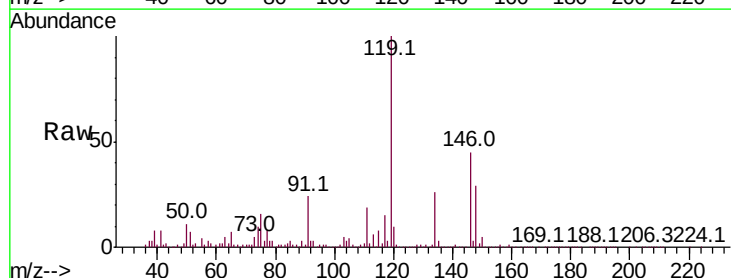
Manual Integrations
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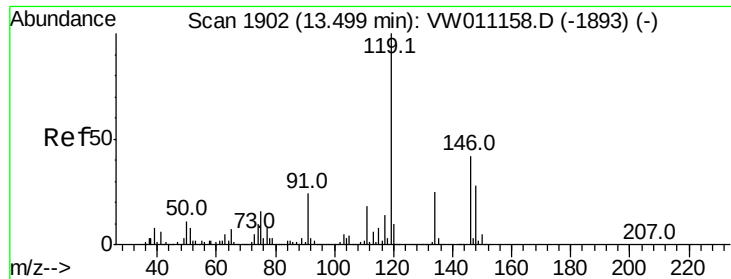
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 7/24/2019 9:34:32 AM



#86
 p-Isopropyltoluene
 Concen: 51.935 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.3	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 51.225 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

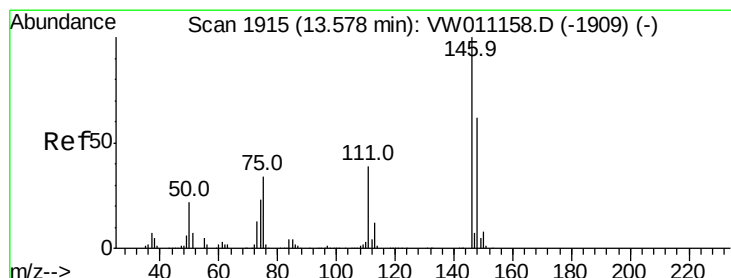
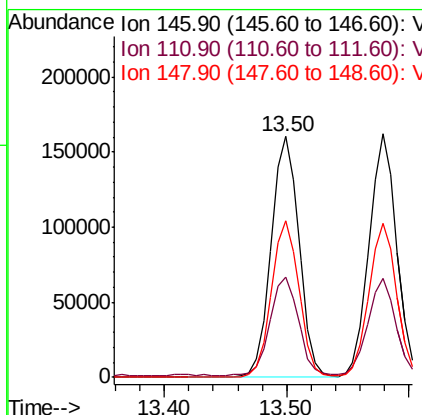
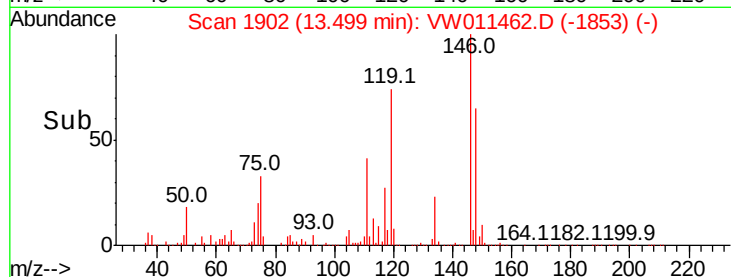
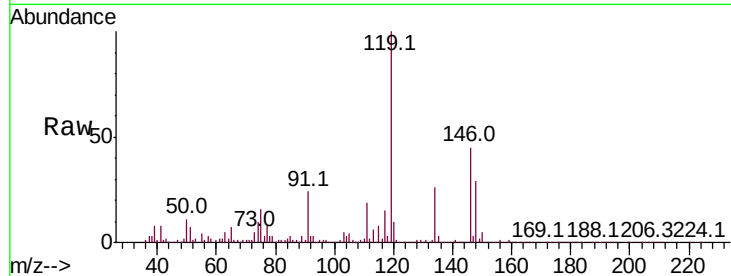
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.1
148	63.9	32.6	97.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.423 ug/l

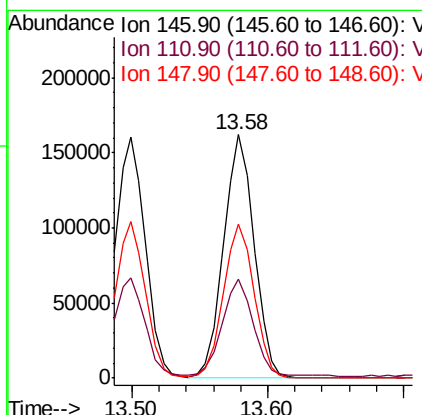
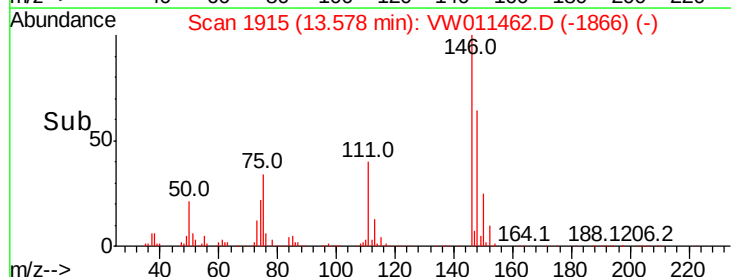
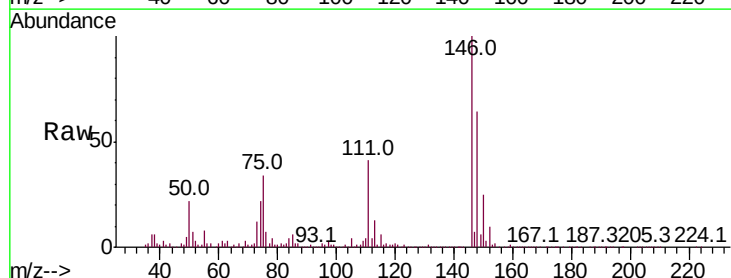
RT: 13.58 min Scan# 1915

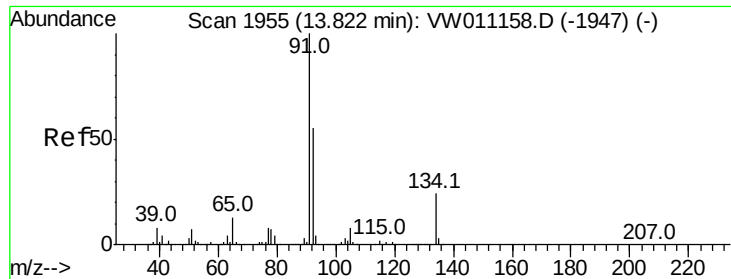
Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.7
148	63.8	31.5	94.5





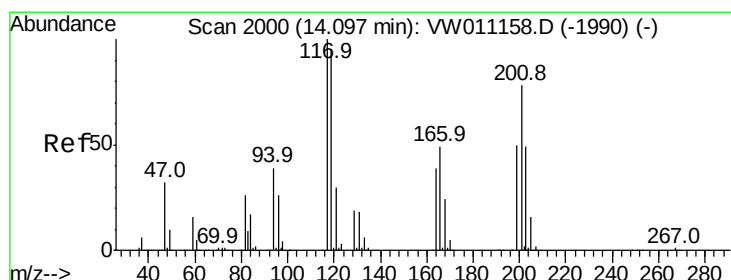
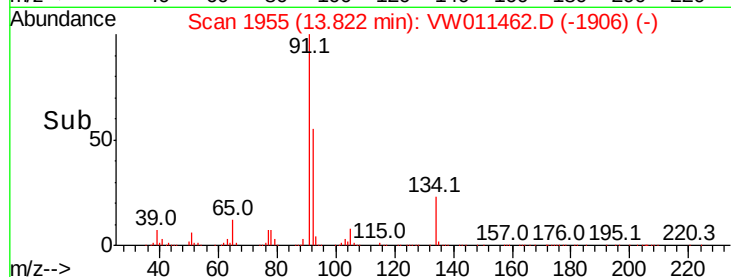
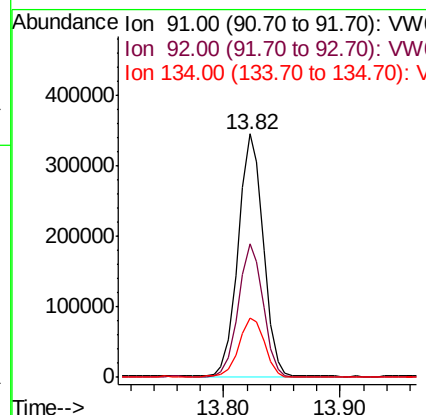
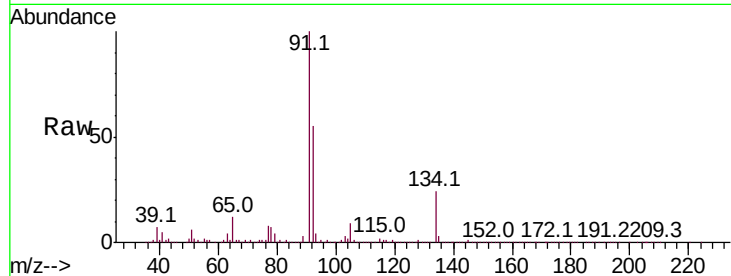
#89
n-Butylbenzene
Concen: 49.358 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.9	80.7
134	25.1	12.2	36.4

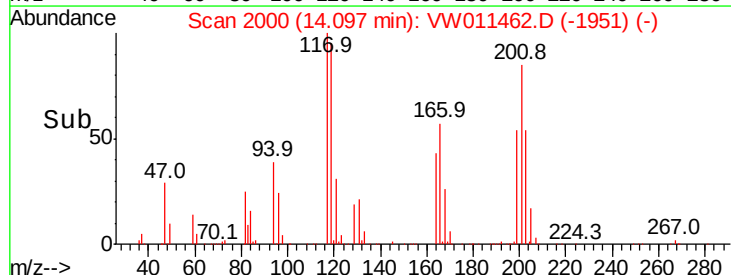
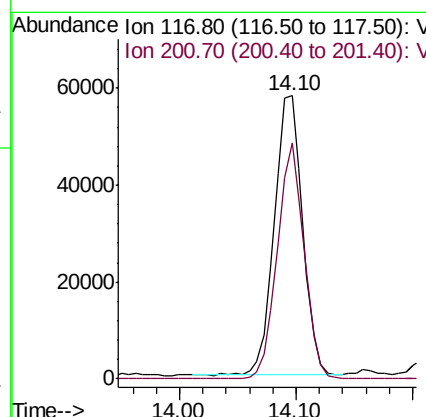
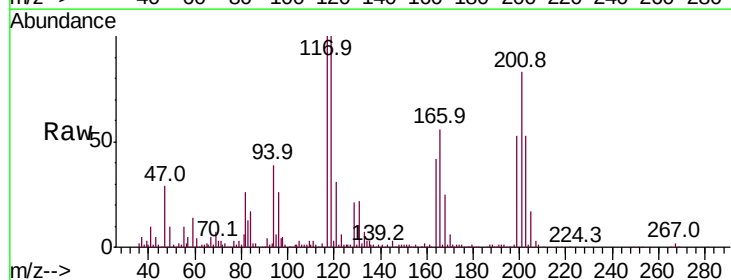
Manual Integrations
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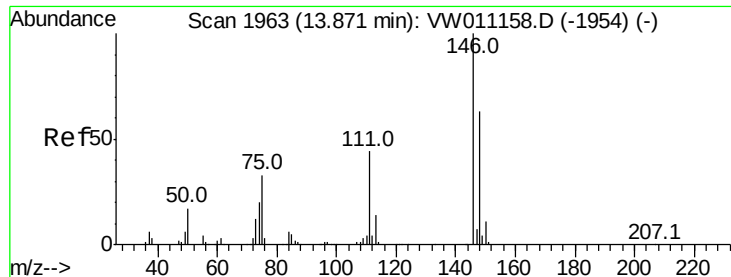
MMDadoda
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#90
Hexachloroethane
Concen: 50.557 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.9	38.3	114.8





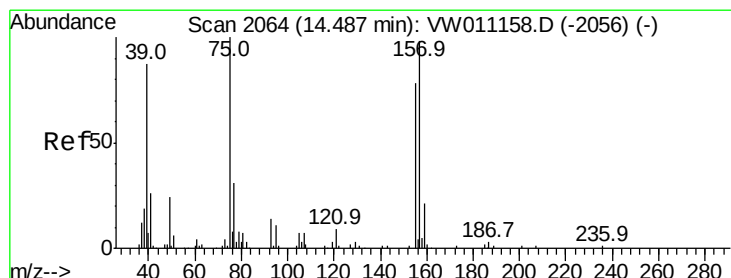
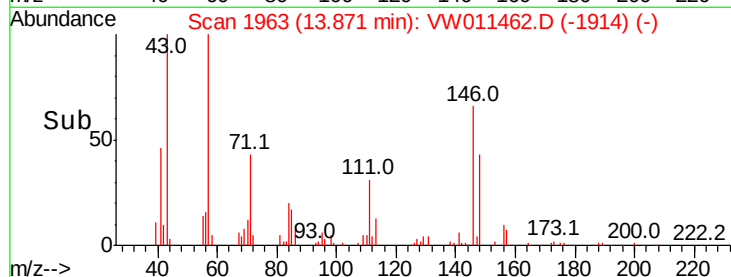
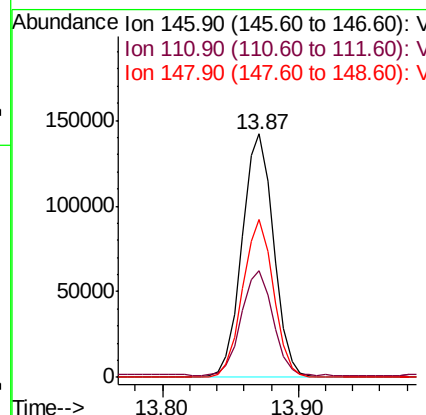
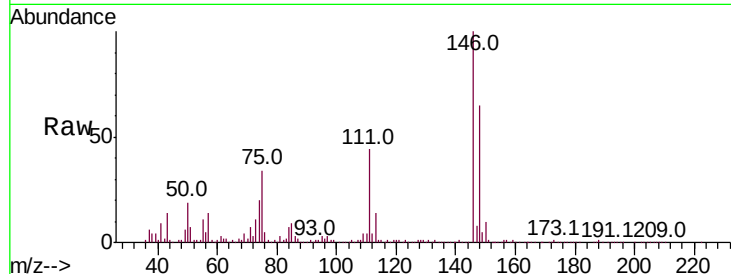
#91
 1,2-Dichlorobenzene
 Concen: 50.959 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	228880		
111	43.0	21.6	65.0	
148	63.8	31.9	95.5	

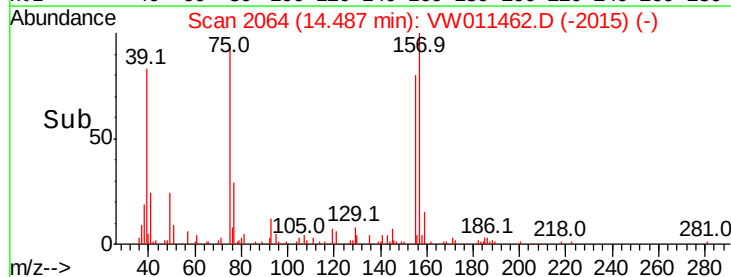
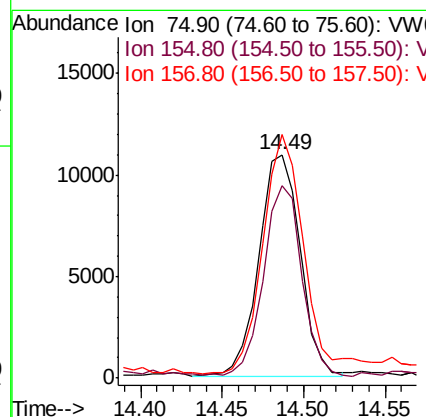
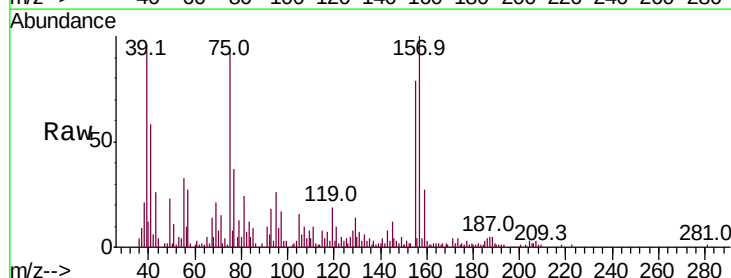
Manual Integrations
 APPROVED

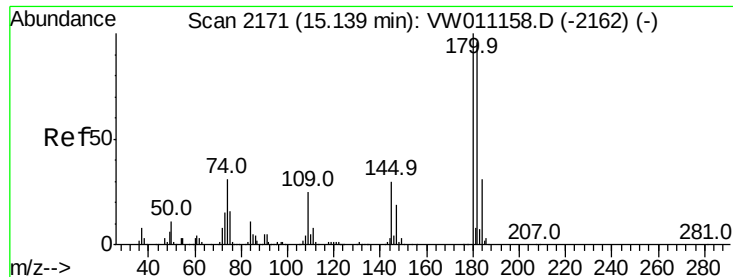
MMDadoda
 7/24/2019 9:34:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.145 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19238		
155	79.8	37.1	111.3	
157	109.8	48.5	145.6	





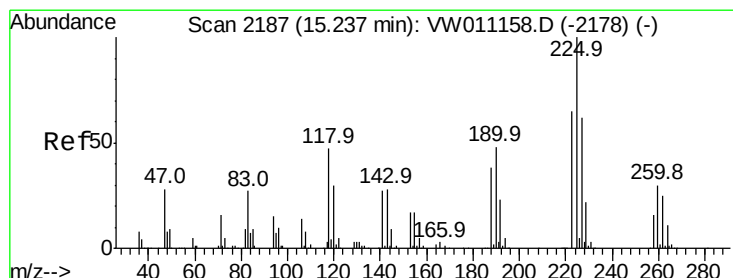
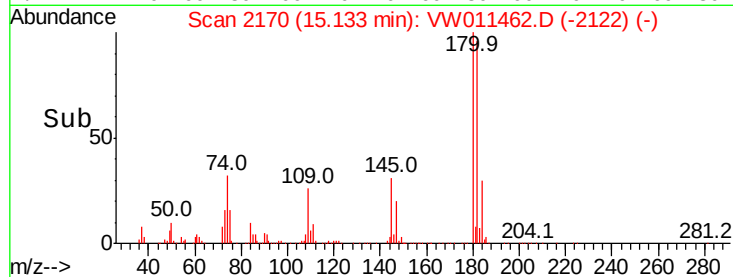
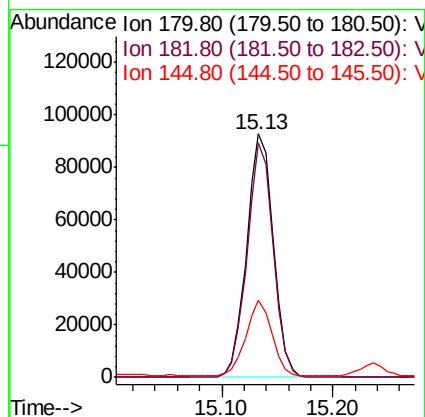
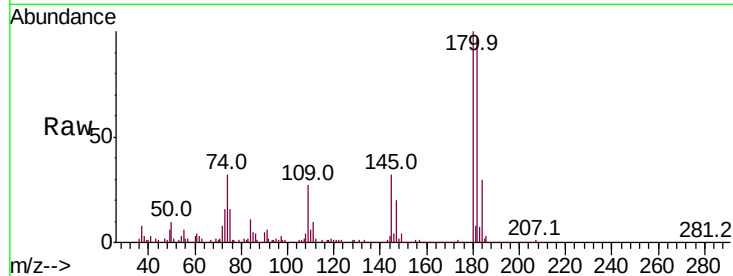
#93
1,2,4-Trichlorobenzene
Concen: 49.893 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	48.3	144.9	
145	30.3	15.5	46.5	

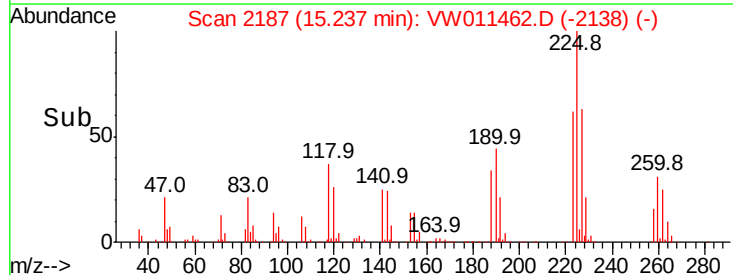
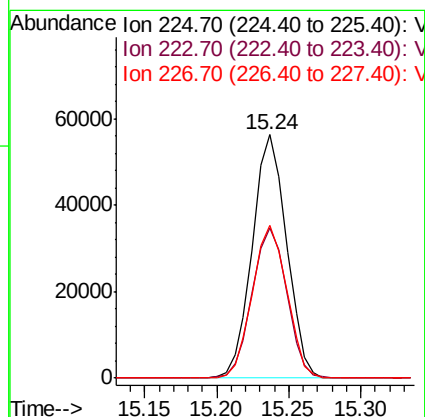
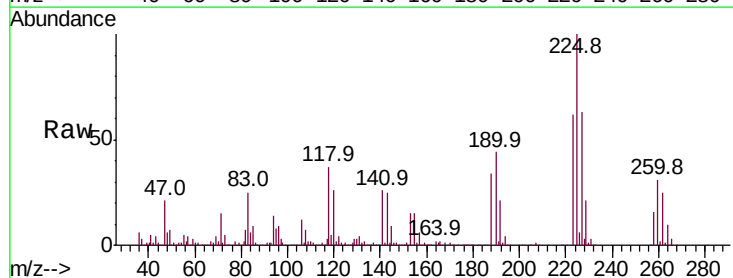
Manual Integrations
APPROVED

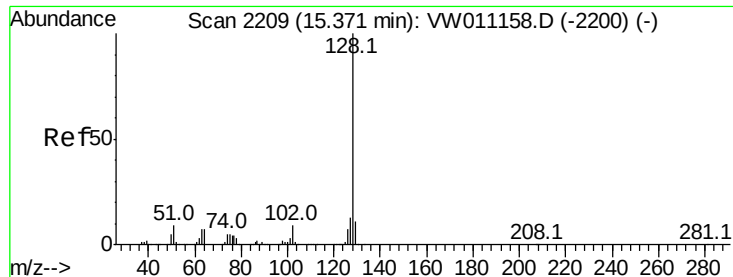
MMDadoda
7/24/2019 9:34:32 AM



#94
Hexachlorobutadiene
Concen: 48.740 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.6	95.0	
227	63.3	32.0	96.0	





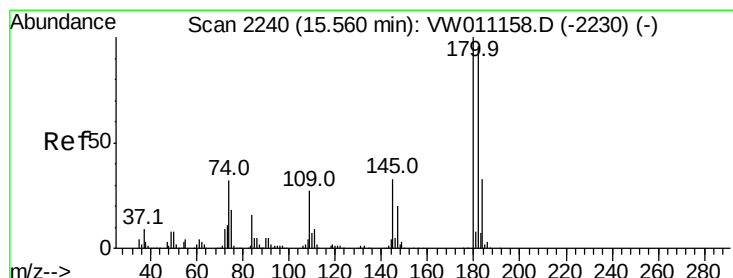
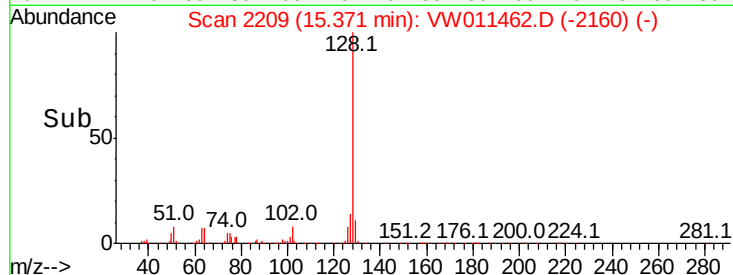
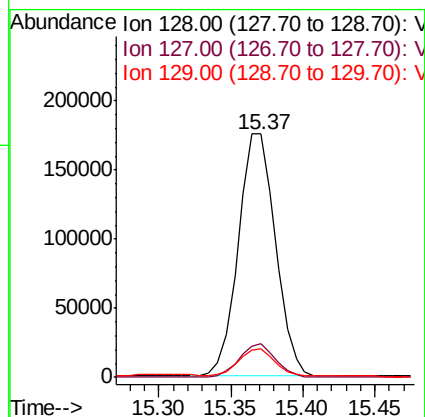
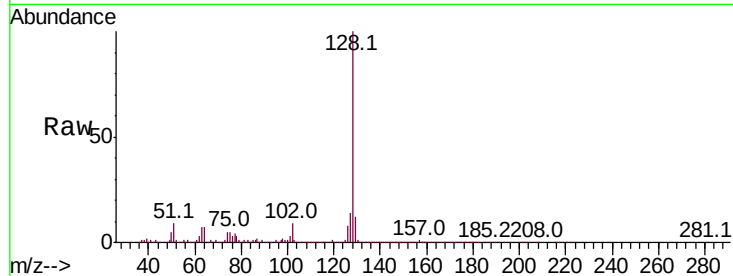
#95
Naphthalene
Concen: 52.747 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	312692
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	11.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/24/2019 9:34:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.347 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion:	180	Resp:	137459
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.6	142.8
145	34.9	16.5	49.5

