

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011390.D
 Acq On : 19 Jul 2019 22:03
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 9:21:41 AM

Quant Time: Jul 20 06:35:30 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	171684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	286659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126935	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	101549	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
35) Dibromofluoromethane	7.88	113	81903	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	10.32	98	324304	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.62	95	119787	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	52611	41.089	ug/l	93
3) Chloromethane	2.21	50	84735	51.357	ug/l	95
4) Vinyl Chloride	2.36	62	94626	43.819	ug/l	99
5) Bromomethane	2.77	94	51321	47.295	ug/l	93
6) Chloroethane	2.92	64	55886	48.047	ug/l	99
7) Trichlorofluoromethane	3.25	101	39340	51.280	ug/l	96
8) Diethyl Ether	3.68	74	52638	49.589	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	86298	46.963	ug/l	100
10) Methyl Iodide	4.27	142	125743	49.753	ug/l	99
11) Tert butyl alcohol	5.17	59	41329	258.763	ug/l	99
12) 1,1-Dichloroethene	4.04	96	90528	47.465	ug/l	99
13) Acrolein	3.89	56	43748	343.980	ug/l	100
14) Allyl chloride	4.67	41	185493	53.334	ug/l	97
15) Acrylonitrile	5.36	53	140973	260.771	ug/l	100
16) Acetone	4.12	43	140983	271.610	ug/l	98
17) Carbon Disulfide	4.39	76	272595	47.144	ug/l	100
18) Methyl Acetate	4.67	43	70828	47.925	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	150836	52.122	ug/l	99
20) Methylene Chloride	4.92	84	109827	53.635	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	97137	49.015	ug/l	97
22) Diisopropyl ether	6.31	45	383962	51.329	ug/l	99
23) Vinyl Acetate	6.25	43	1229301	265.543	ug/l	100
24) 1,1-Dichloroethane	6.21	63	198444	50.520	ug/l	98
25) 2-Butanone	7.17	43	211647	259.755	ug/l	100
26) 2,2-Dichloropropane	7.17	77	102453	50.177	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	107587	50.326	ug/l	98
28) Bromochloromethane	7.51	49	83877	46.961	ug/l	100
29) Tetrahydrofuran	7.52	42	134242	251.263	ug/l	100
30) Chloroform	7.67	83	182855	50.266	ug/l	97
31) Cyclohexane	7.95	56	187298	44.820	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	137155	49.564	ug/l	99
36) 1,1-Dichloropropene	8.08	75	145153	47.550	ug/l	99
37) Ethyl Acetate	7.25	43	90879	49.549	ug/l	99
38) Carbon Tetrachloride	8.07	117	123701	47.802	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	169715	45.869	ug/l	99
40) Benzene	8.32	78	416859	49.412	ug/l	100
41) Methacrylonitrile	7.48	41	49272	46.971	ug/l	99
42) 1,2-Dichloroethane	8.40	62	133851	48.910	ug/l	100
43) Isopropyl Acetate	8.42	43	169268	48.882	ug/l	99
44) Trichloroethene	9.09	130	99388	48.956	ug/l	100
45) 1,2-Dichloropropane	9.37	63	114506	50.122	ug/l	97
46) Dibromomethane	9.46	93	52839	49.237	ug/l	99
47) Bromodichloromethane	9.65	83	138088	50.290	ug/l	99
48) Methyl methacrylate	9.43	41	82206	49.345	ug/l	96
49) 1,4-Dioxane	9.45	88	18657	1041.540	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	451485	249.596	ug/l	100
52) Toluene	10.38	92	254859	49.801	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	141570	48.437	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	166202	48.311	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	76011	49.927	ug/l	97
56) Ethyl methacrylate	10.65	69	114705	49.487	ug/l	98
57) 1,3-Dichloropropane	10.93	76	143937	49.997	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	253868	236.250	ug/l	99
59) 2-Hexanone	10.97	43	309911	247.049	ug/l	99
60) Dibromochloromethane	11.13	129	84413	50.563	ug/l	99
61) 1,2-Dibromoethane	11.23	107	72271	50.115	ug/l	99
64) Tetrachloroethene	10.86	164	83475	48.351	ug/l	98
65) Chlorobenzene	11.66	112	256483	49.307	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	91488	49.951	ug/l	99
67) Ethyl Benzene	11.73	91	487892	48.995	ug/l	99
68) m/p-Xylenes	11.84	106	355697	98.716	ug/l	99
69) o-Xylene	12.16	106	167315	49.267	ug/l	100
70) Styrene	12.18	104	295572	50.430	ug/l	100
71) Bromoform	12.35	173	47369	48.643	ug/l #	99
73) Isopropylbenzene	12.46	105	462063	48.695	ug/l	100
74) N-amyl acetate	12.27	43	156260	47.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	93351	47.993	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63742m	43.454	ug/l	
77) Bromobenzene	12.74	156	103922	48.802	ug/l	99
78) n-propylbenzene	12.80	91	569493	48.721	ug/l	100
79) 2-Chlorotoluene	12.89	91	324648	48.265	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	394518	48.940	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	26278	40.518	ug/l	99
82) 4-Chlorotoluene	12.99	91	344618	49.189	ug/l	100
83) tert-Butylbenzene	13.21	119	327864	48.767	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	396267	48.955	ug/l	99
85) sec-Butylbenzene	13.38	105	467826	48.224	ug/l	100
86) p-Isopropyltoluene	13.50	119	424852	48.828	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	204152	49.828	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	201320	48.797	ug/l	99
89) n-Butylbenzene	13.82	91	421781	48.593	ug/l	99
90) Hexachloroethane	14.09	117	75453	47.455	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	181610	48.860	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16293	47.224	ug/l	98

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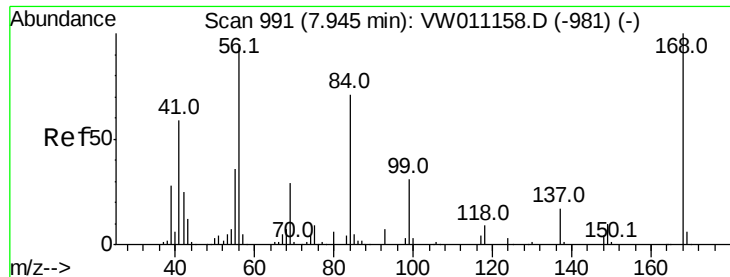
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	131939	51.536	ug/l	98
94) Hexachlorobutadiene	15.24	225	77471	49.289	ug/l	100
95) Naphthalene	15.37	128	253909	51.755	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	117248	51.892	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: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 171684

Ion Ratio Lower Upper

168 100

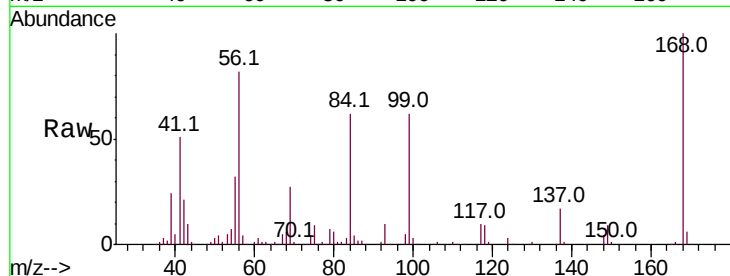
99 61.6 50.1 75.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

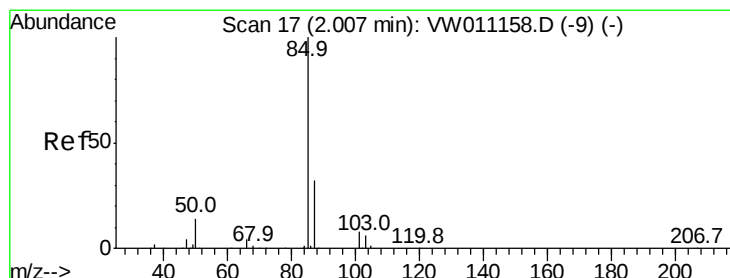
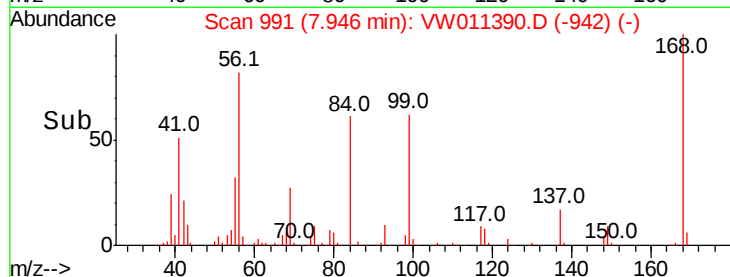
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 41.089 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011390.D

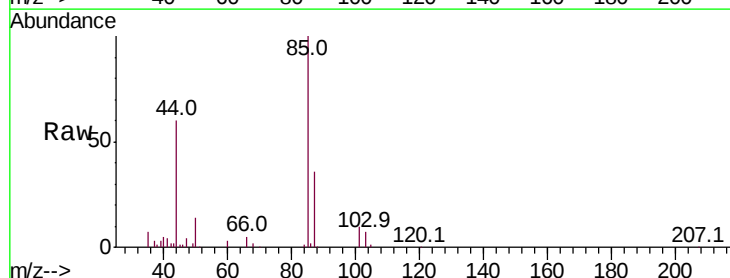
Acq: 19 Jul 2019 22:03

Tgt Ion: 85 Resp: 52611

Ion Ratio Lower Upper

85 100

87 35.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

10000

5000

0

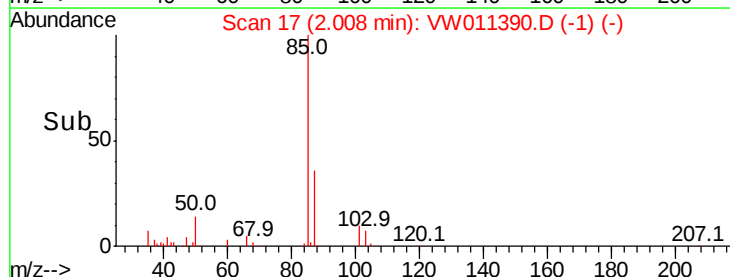
1.90

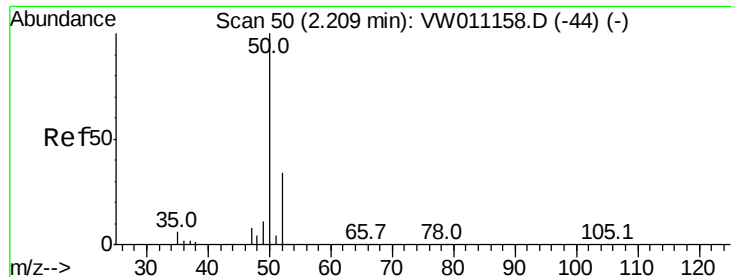
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 51.357 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 84735

Ion Ratio Lower Upper

50 100

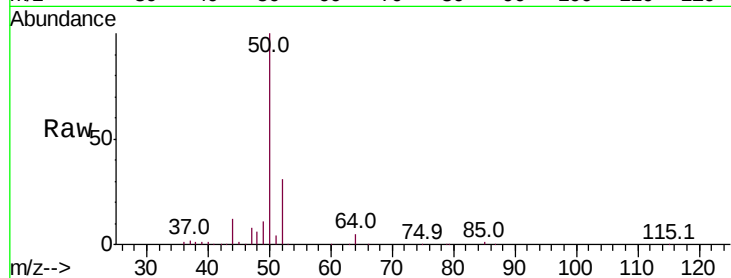
52 30.7 26.9 40.3

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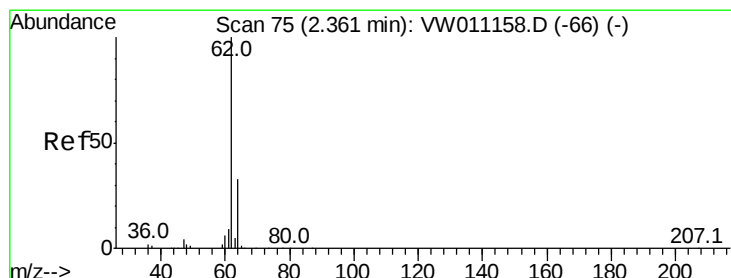
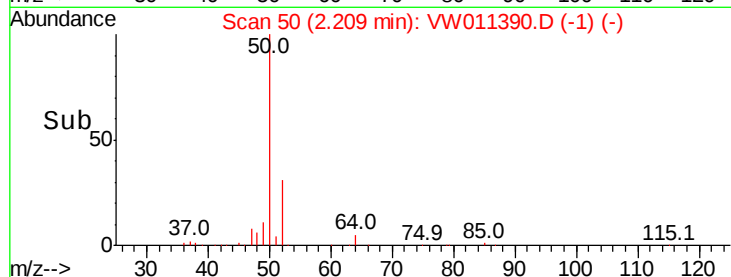
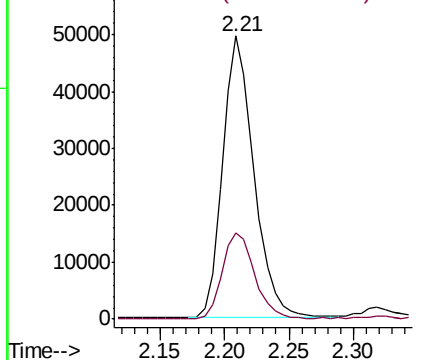
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 43.819 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011390.D

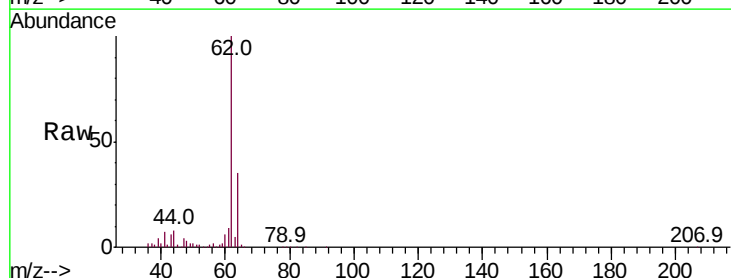
Acq: 19 Jul 2019 22:03

Tgt Ion: 62 Resp: 94626

Ion Ratio Lower Upper

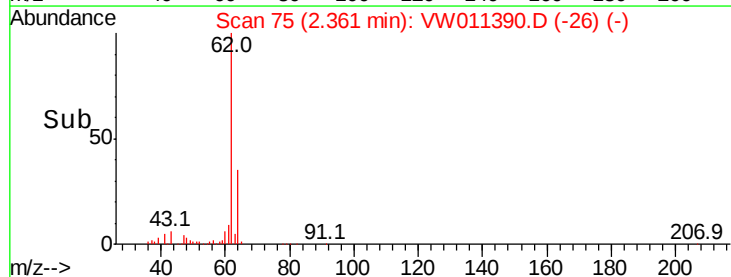
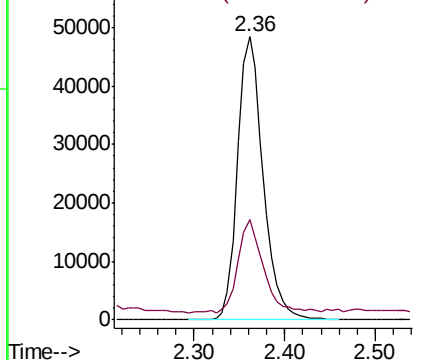
62 100

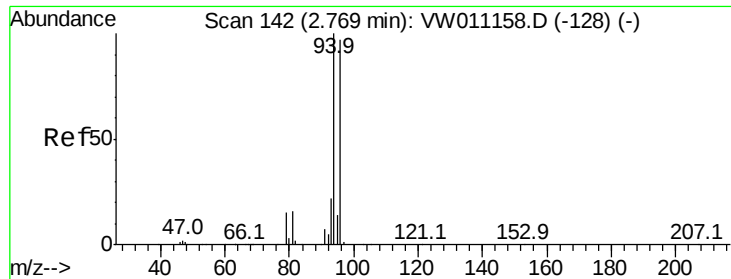
64 32.8 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 47.295 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 51321

Ion Ratio Lower Upper

94 100

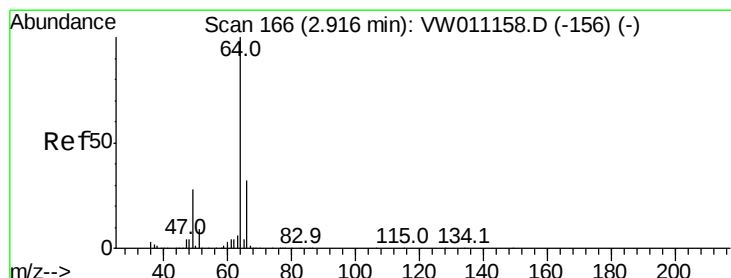
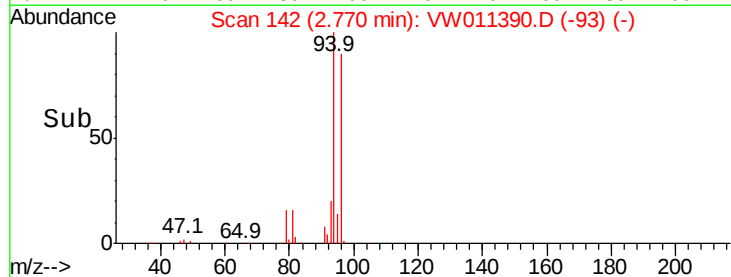
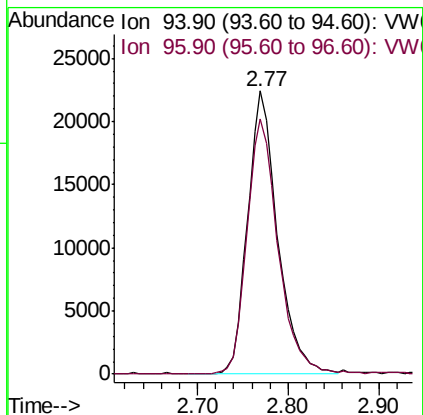
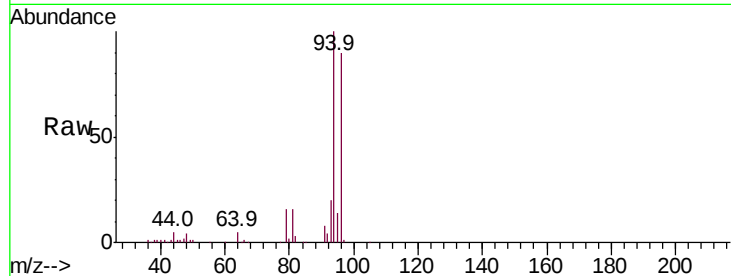
96 90.2 77.4 116.0

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#6

Chloroethane

Concen: 48.047 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011390.D

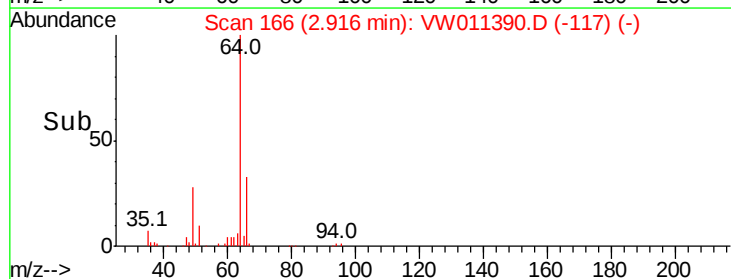
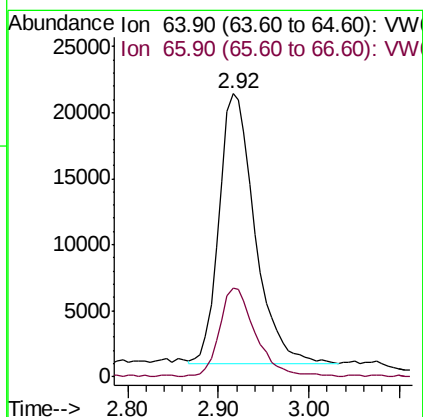
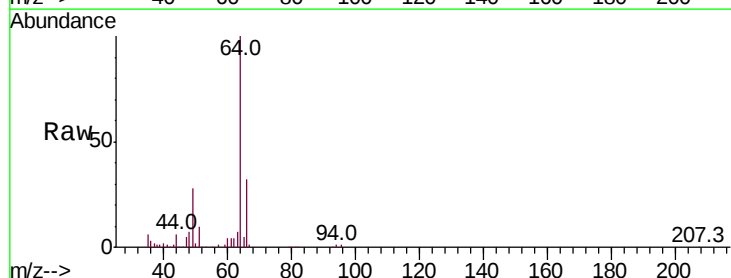
Acq: 19 Jul 2019 22:03

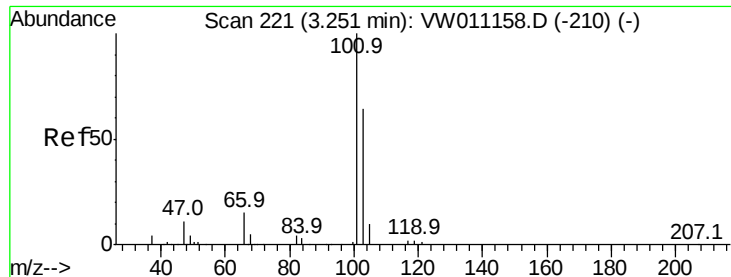
Tgt Ion: 64 Resp: 55886

Ion Ratio Lower Upper

64 100

66 32.7 25.8 38.8





#7

Trichlorofluoromethane

Concen: 51.280 ug/l

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion:101 Resp: 39340

Ion Ratio Lower Upper

101 100

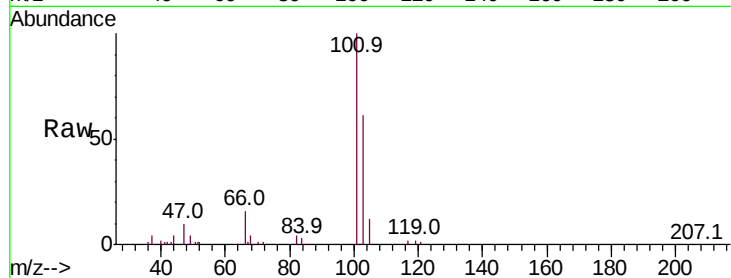
103 60.9 51.3 76.9

Manual Integrations

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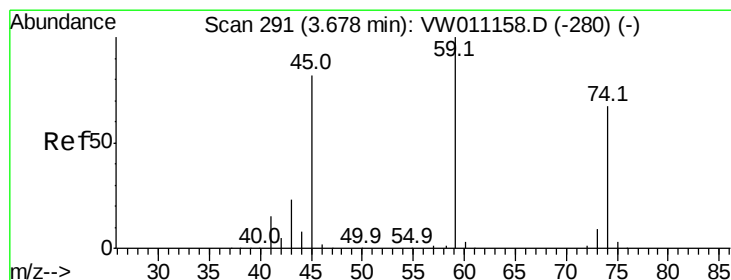
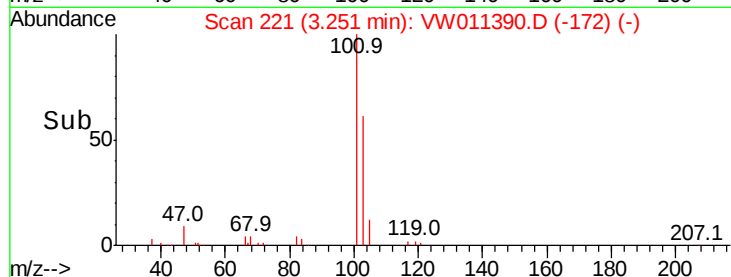
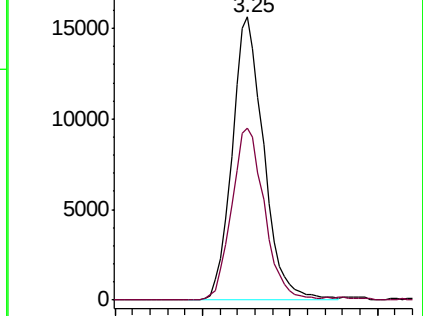
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 49.589 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW011390.D

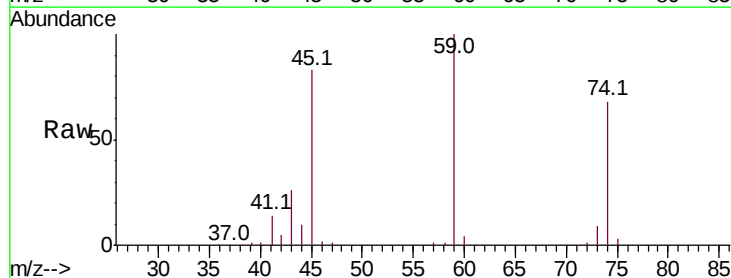
Acq: 19 Jul 2019 22:03

Tgt Ion: 74 Resp: 52638

Ion Ratio Lower Upper

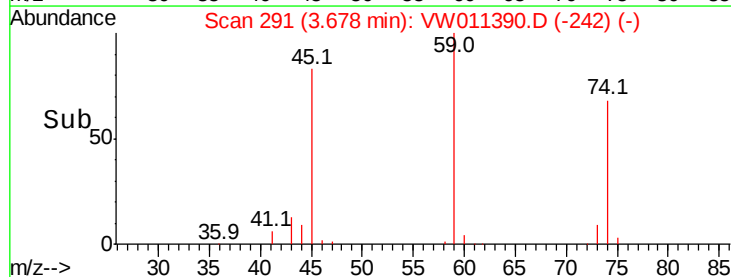
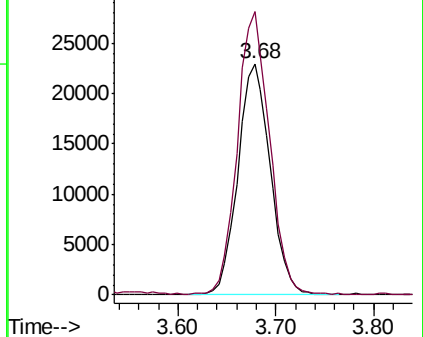
74 100

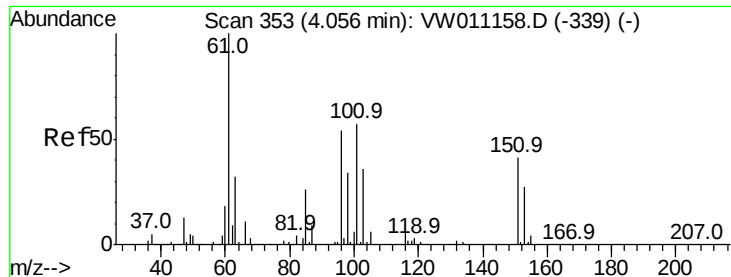
45 121.5 59.9 179.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.963 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

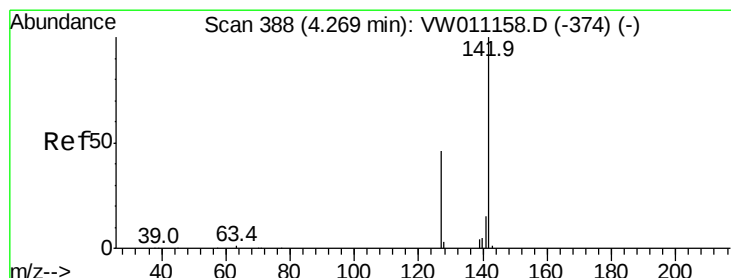
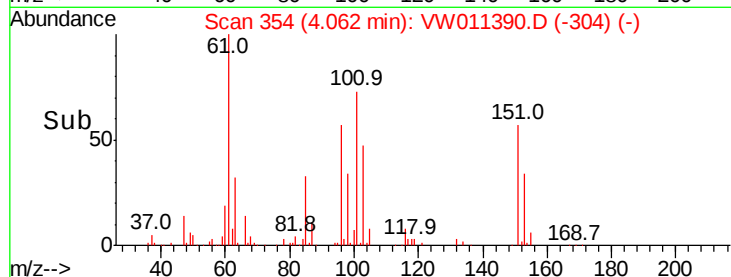
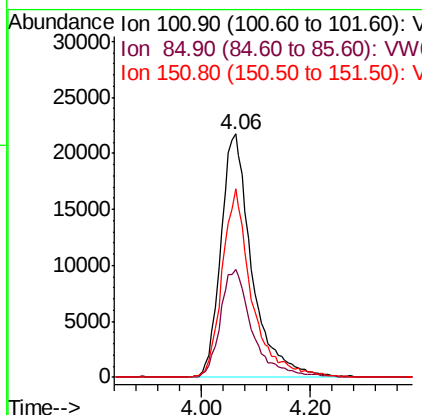
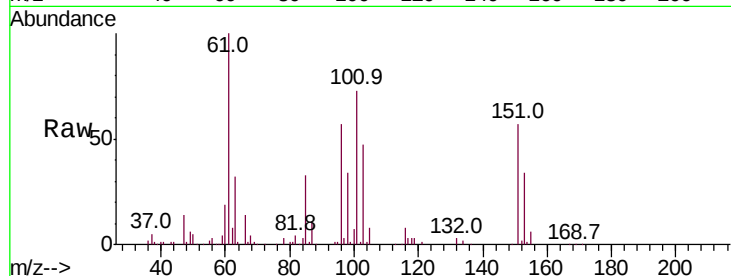
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	86298
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.5	54.7
151	73.7	59.1	88.7

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#10

Methyl Iodide

Concen: 49.753 ug/l

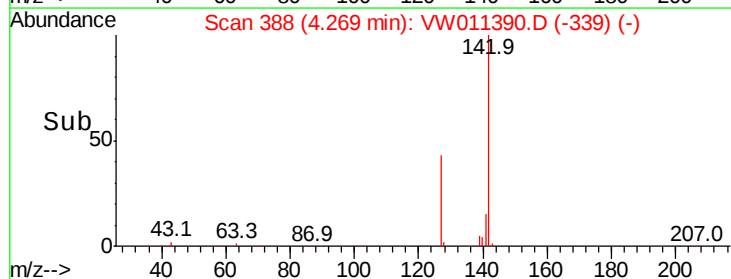
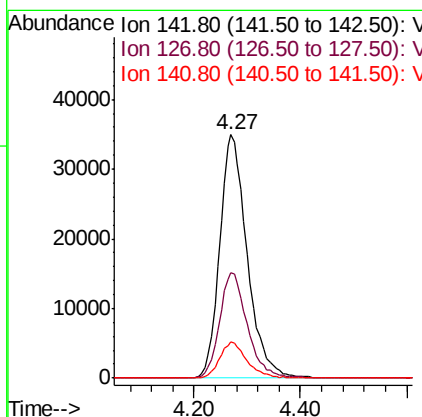
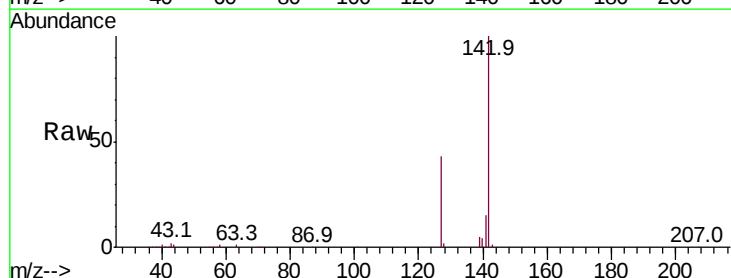
RT: 4.27 min Scan# 388

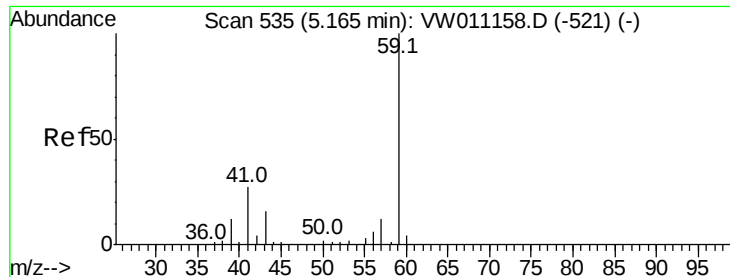
Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Tgt Ion:	142	Resp:	125743
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.7	53.5
141	14.7	11.5	17.3





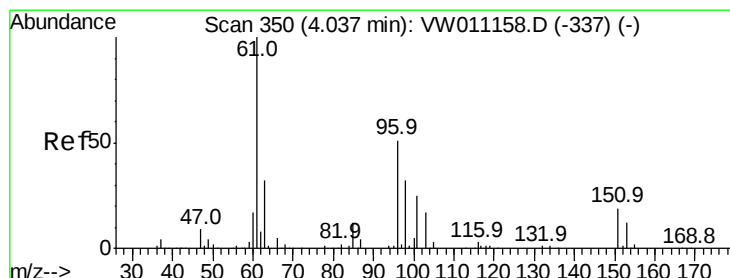
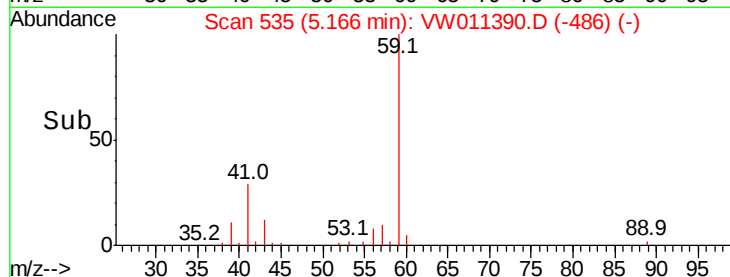
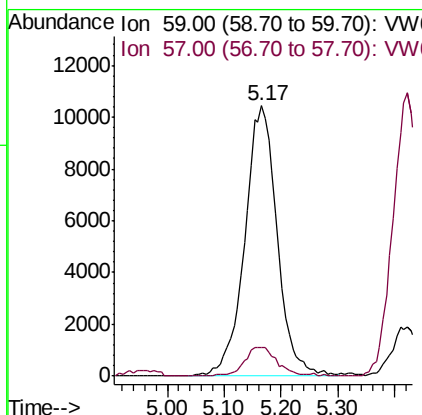
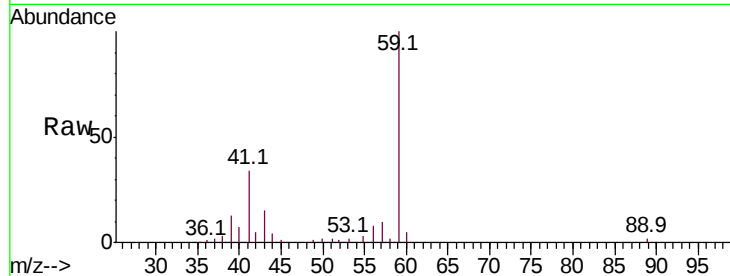
#11
Tert butyl alcohol
Concen: 258.763 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.6

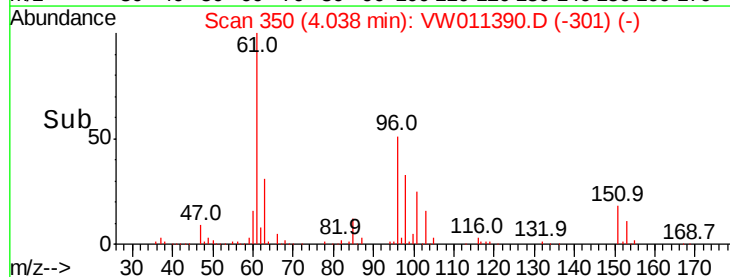
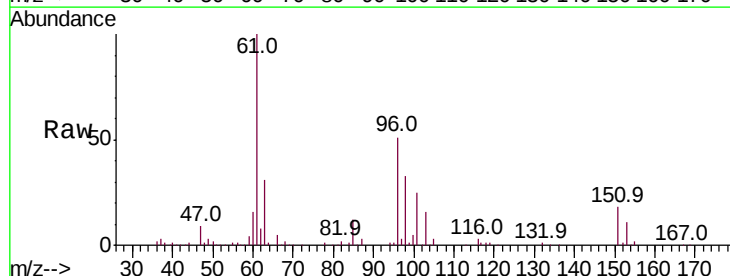
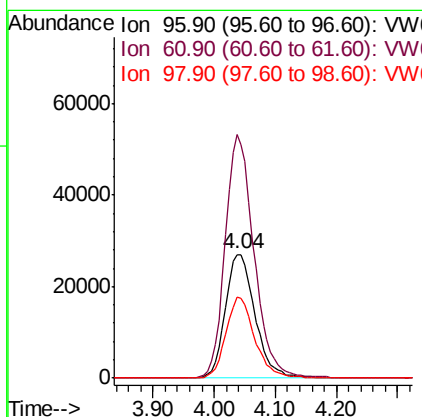
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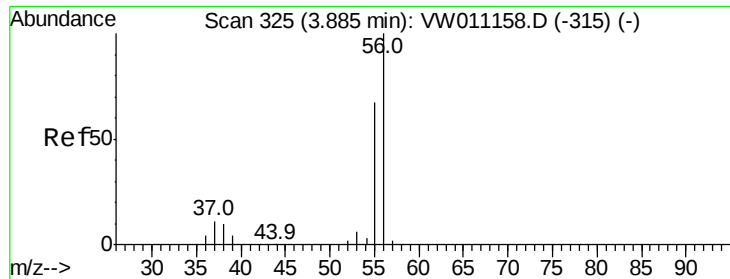
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.465 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.7	157.7	236.5
98	65.0	50.9	76.3





#13

Acrolein

Concen: 343.980 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 43748

Ion Ratio Lower Upper

56 100

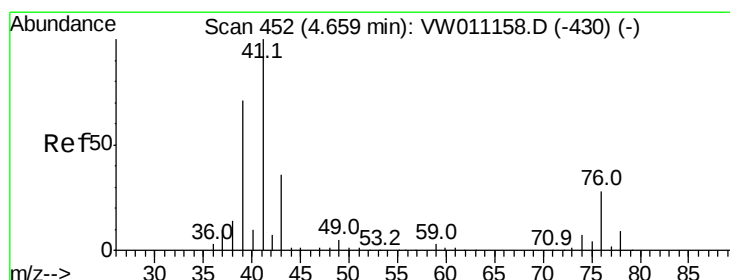
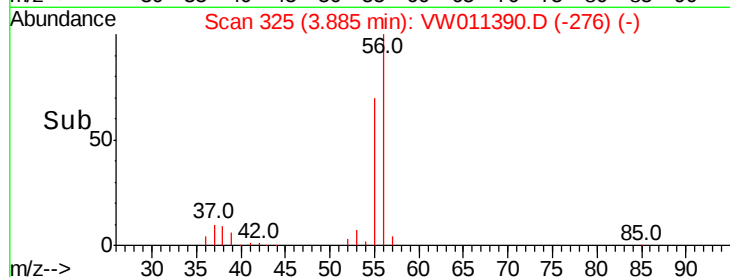
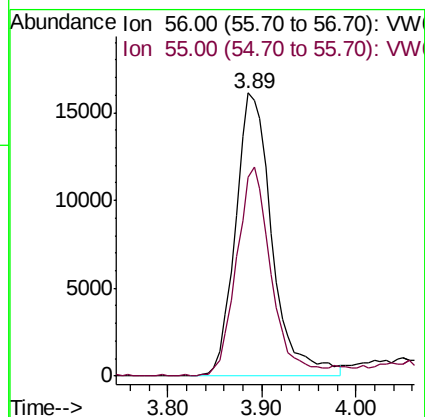
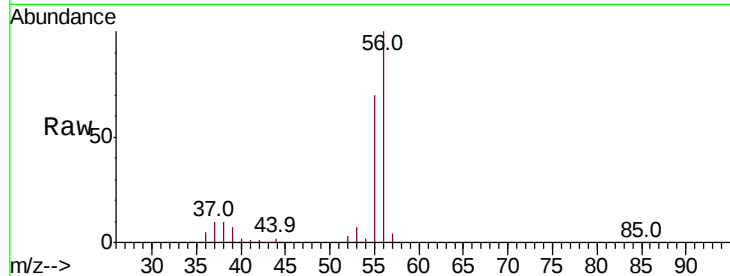
55 70.1 56.4 84.6

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#14

Allyl chloride

Concen: 53.334 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

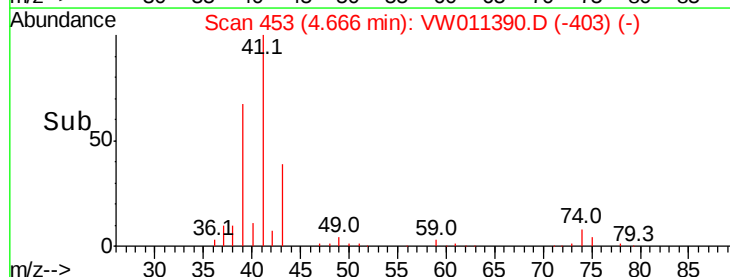
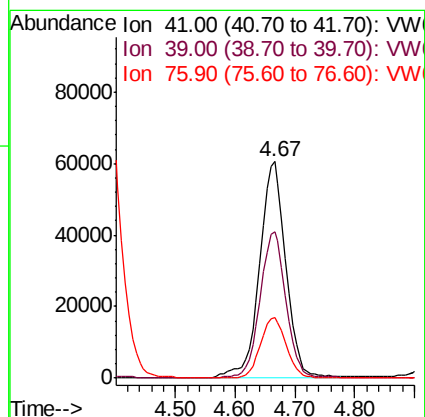
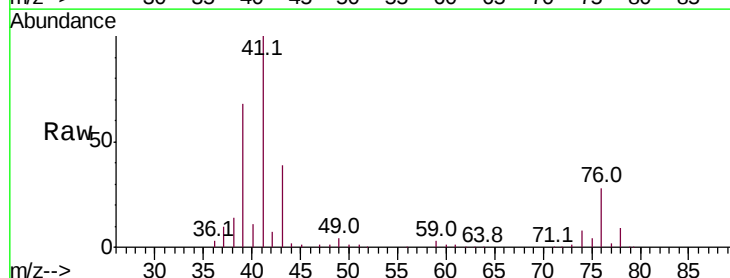
Tgt Ion: 41 Resp: 185493

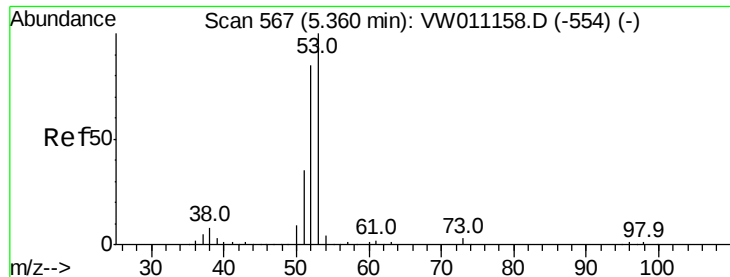
Ion Ratio Lower Upper

41 100

39 66.2 55.1 82.7

76 27.5 22.5 33.7





#15

Acrylonitrile

Concen: 260.771 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

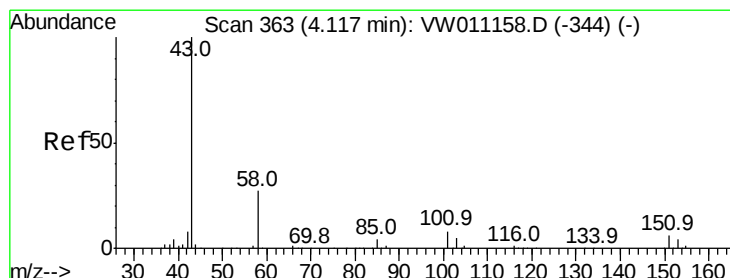
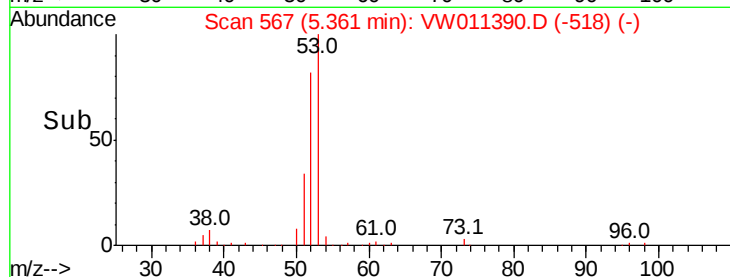
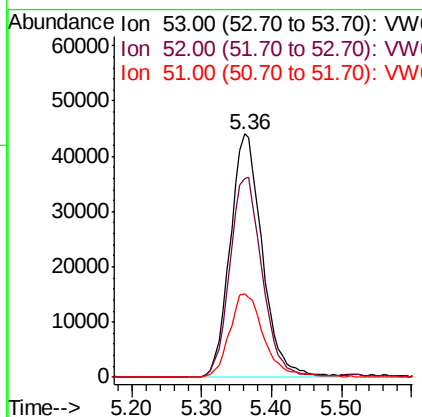
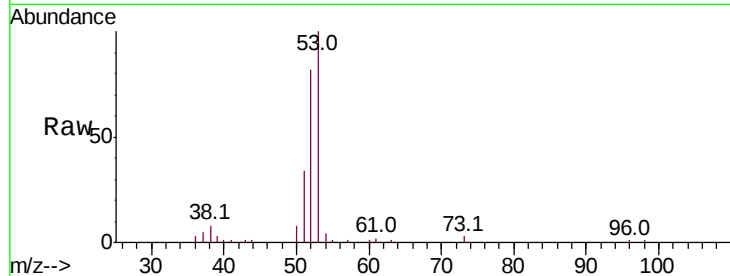
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	140973
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.4
51	36.5	29.1	43.7

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#16

Acetone

Concen: 271.610 ug/l

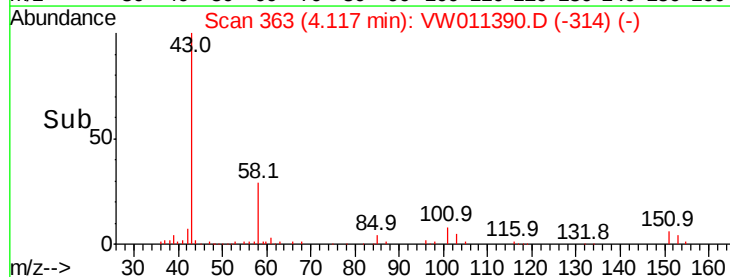
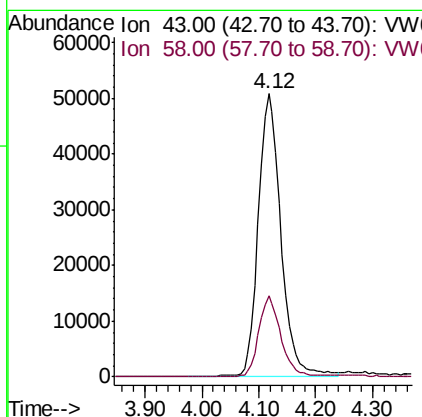
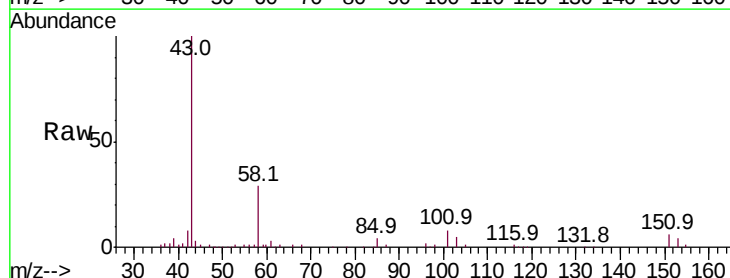
RT: 4.12 min Scan# 363

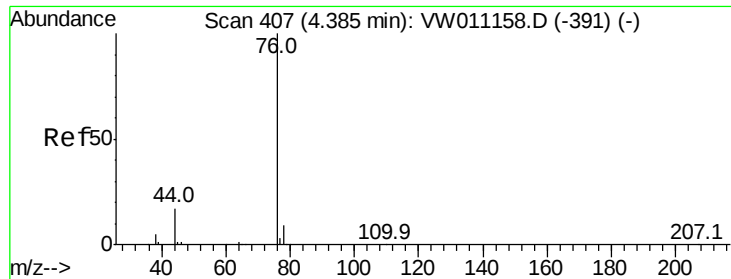
Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Tgt Ion:	43	Resp:	140983
Ion	Ratio	Lower	Upper
43	100		
58	28.3	21.8	32.6





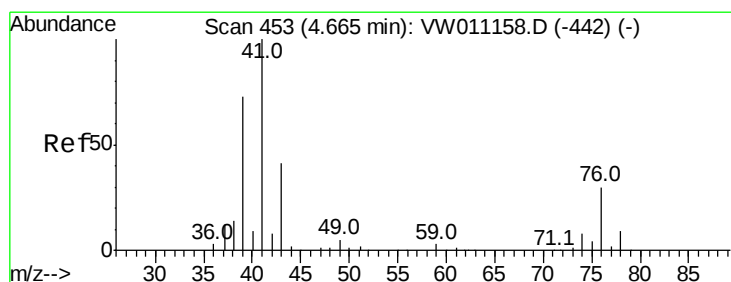
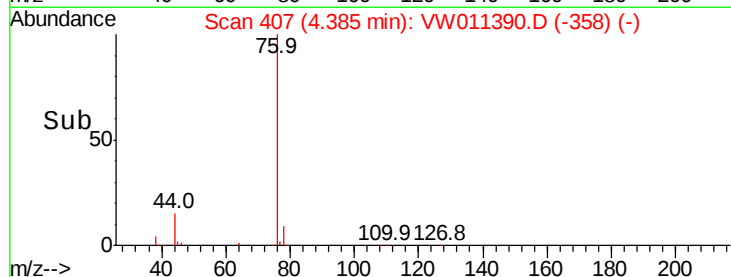
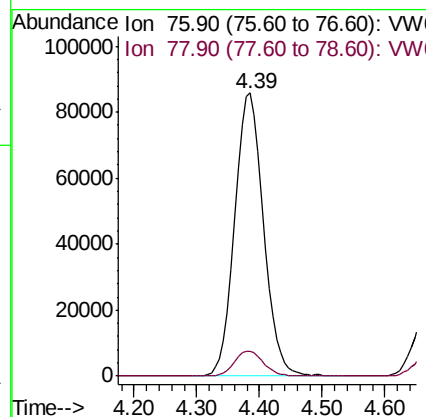
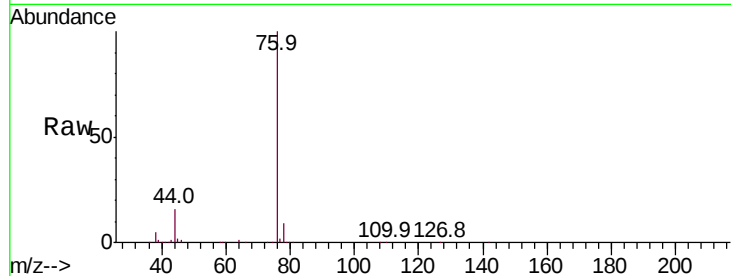
#17
Carbon Disulfide
Concen: 47.144 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

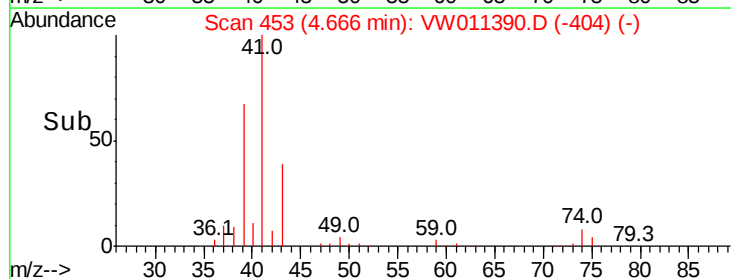
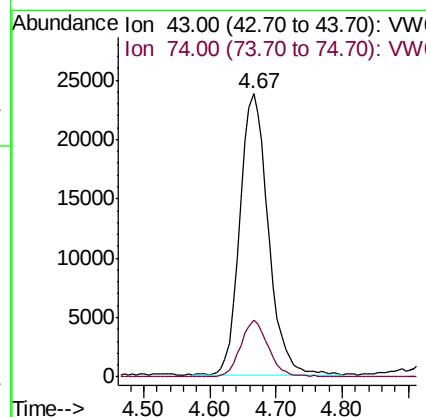
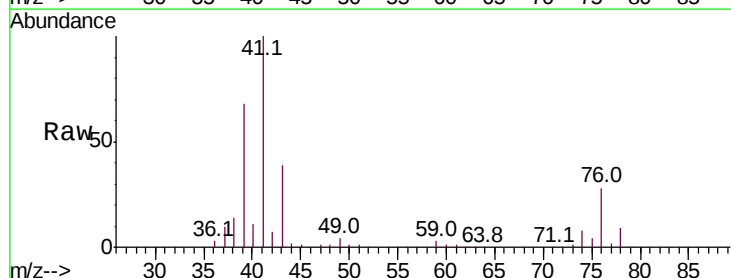
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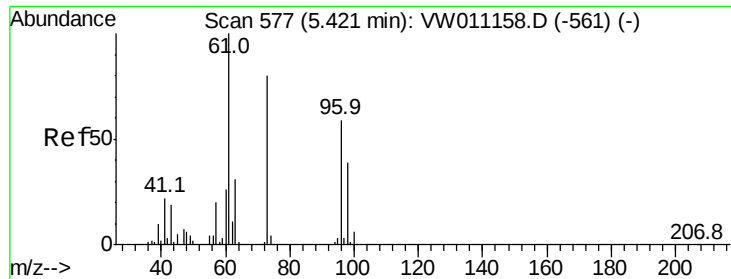
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#18
Methyl Acetate
Concen: 47.925 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	15.7	23.5





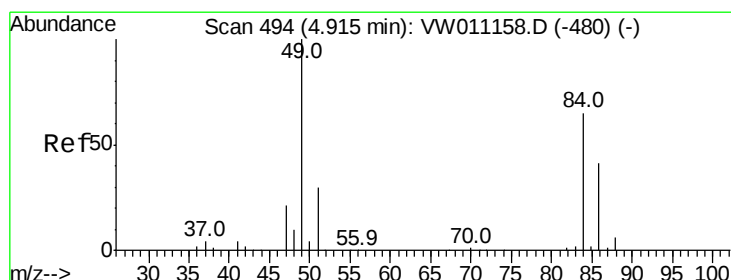
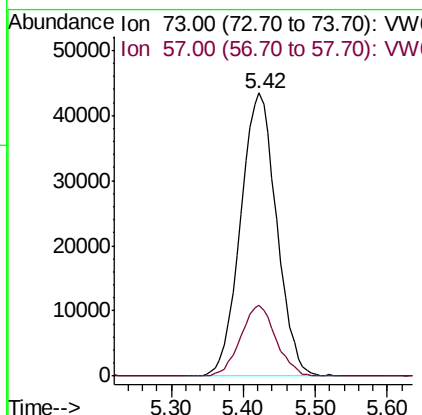
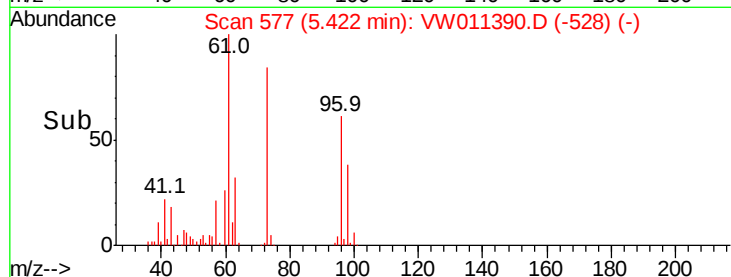
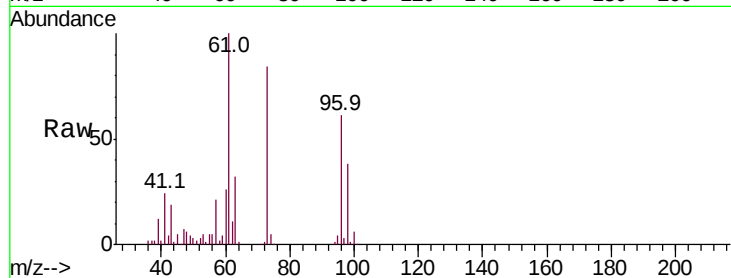
#19
Methyl tert-butyl Ether
Concen: 52.122 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 150836
Ion Ratio Lower Upper
73 100
57 25.2 19.7 29.5

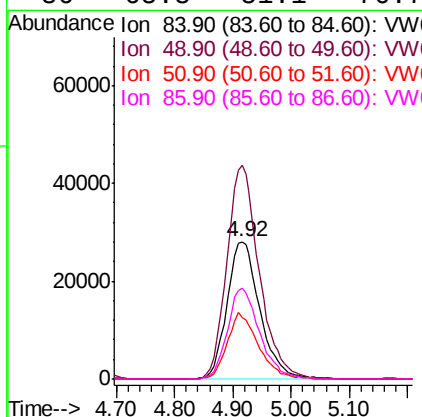
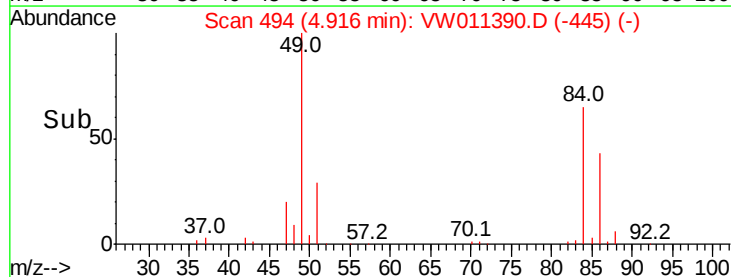
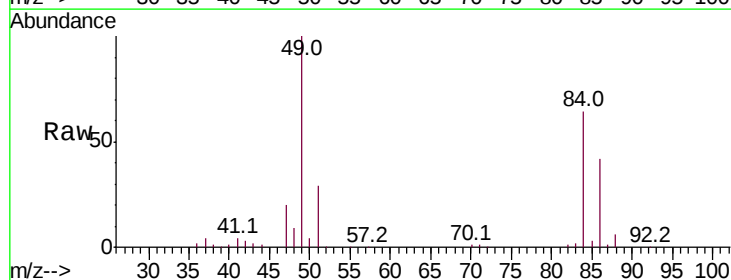
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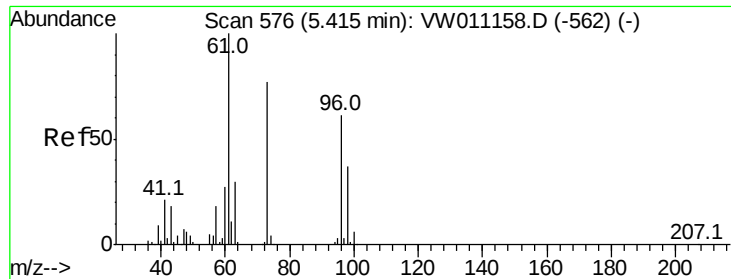
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#20
Methylene Chloride
Concen: 53.635 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion: 84 Resp: 109827
Ion Ratio Lower Upper
84 100
49 155.2 123.8 185.6
51 44.7 37.4 56.2
86 65.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.015 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

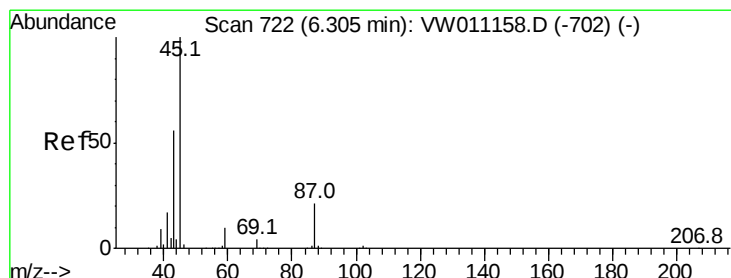
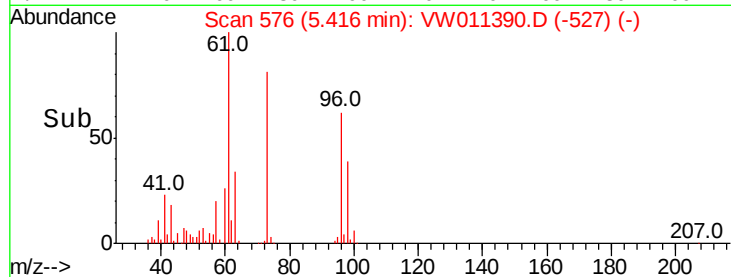
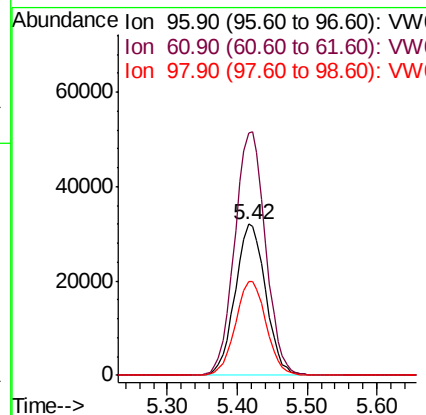
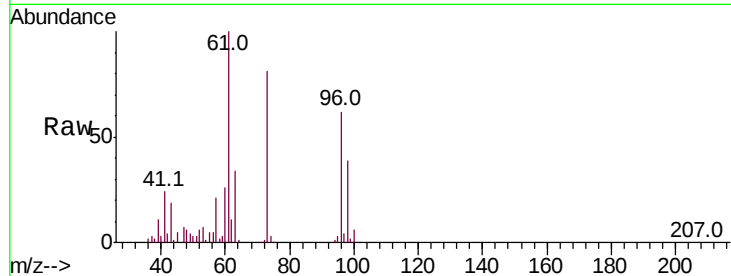
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	97137
Ion	Ratio	Lower	Upper
96	100		
61	160.5	132.2	198.2
98	62.0	49.4	74.0

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#22

Diisopropyl ether

Concen: 51.329 ug/l

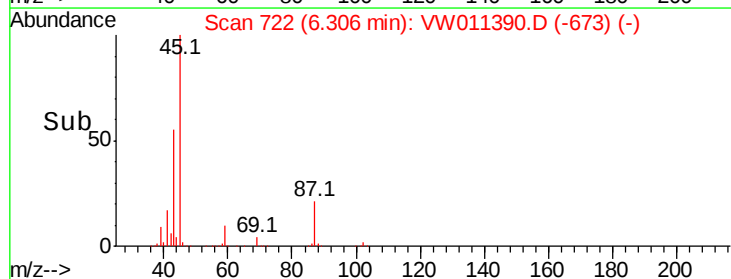
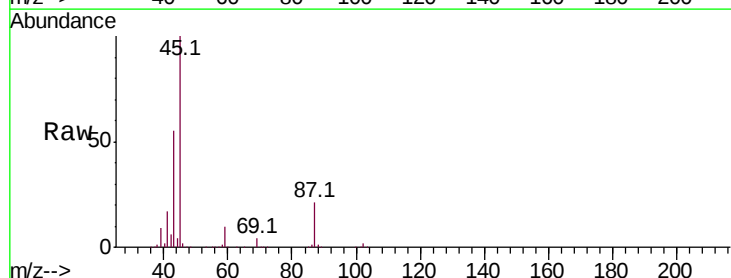
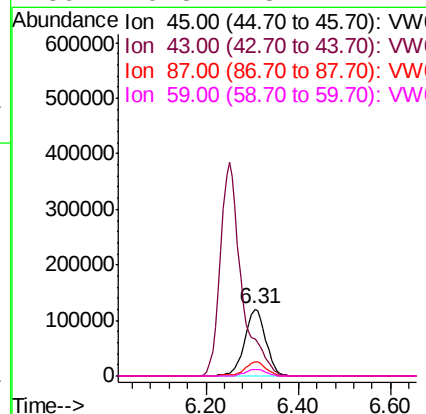
RT: 6.31 min Scan# 722

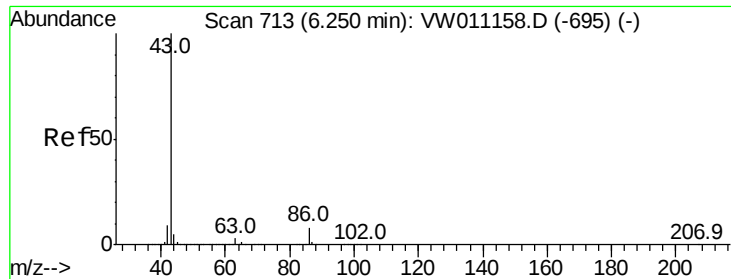
Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Tgt Ion:	45	Resp:	383962
Ion	Ratio	Lower	Upper
45	100		
43	54.9	44.6	66.8
87	20.7	17.3	25.9
59	9.8	8.2	12.2





#23

Vinyl Acetate

Concen: 265.543 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Tot Ion: 43 Resp: 1229301

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

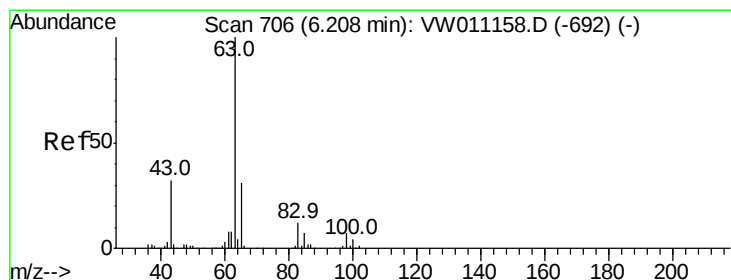
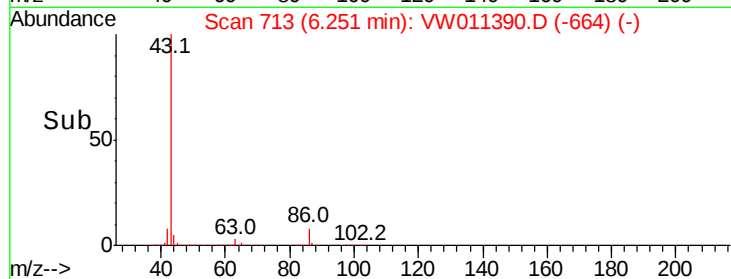
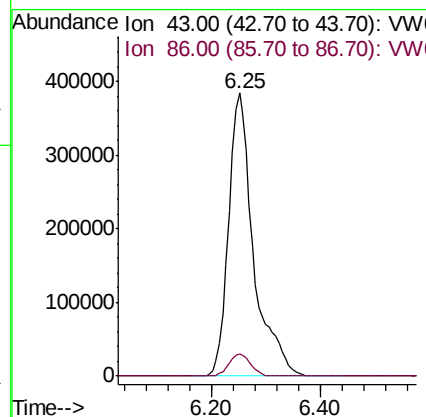
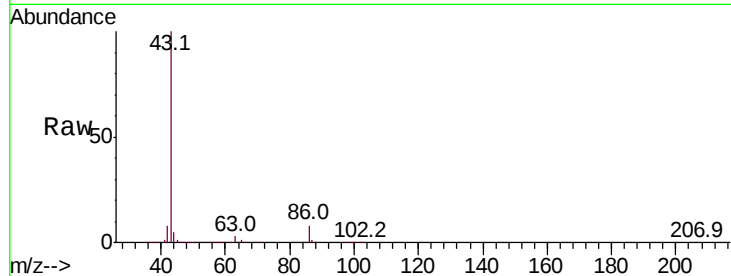
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 50.520 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

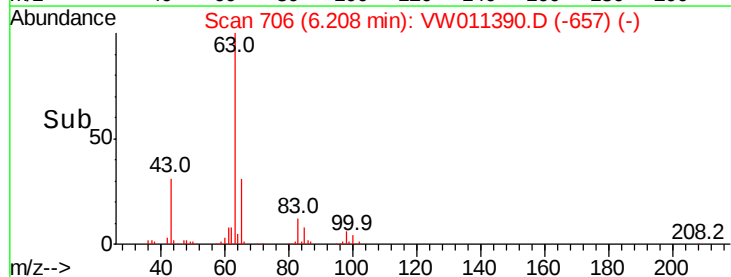
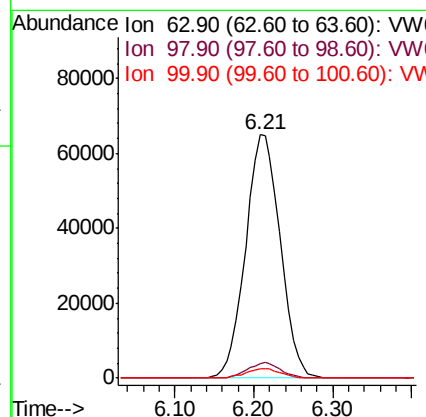
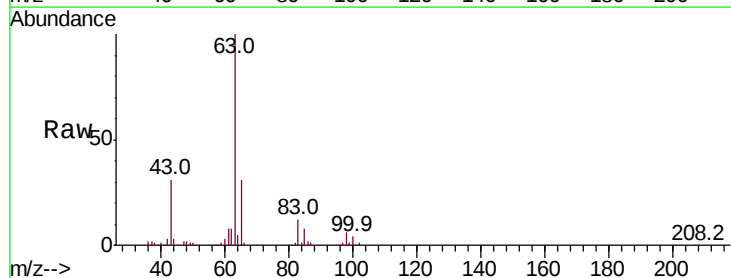
Tgt Ion: 63 Resp: 198444

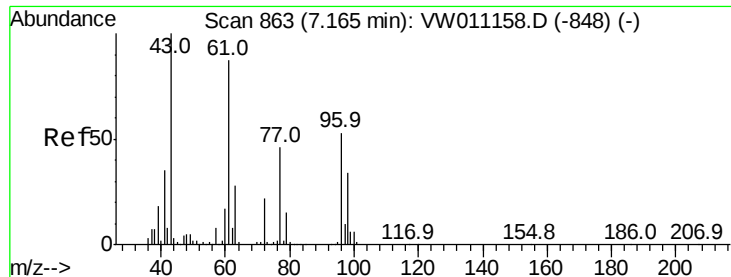
Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.9

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 259.755 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 211647

Ion Ratio Lower Upper

43 100

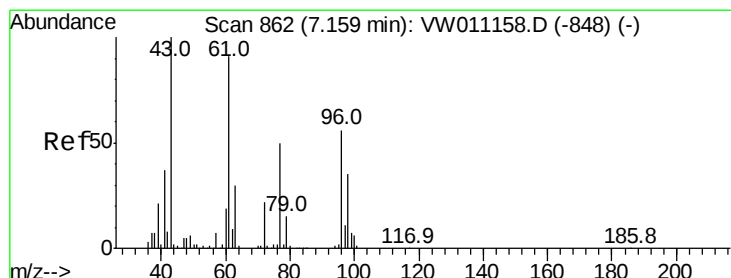
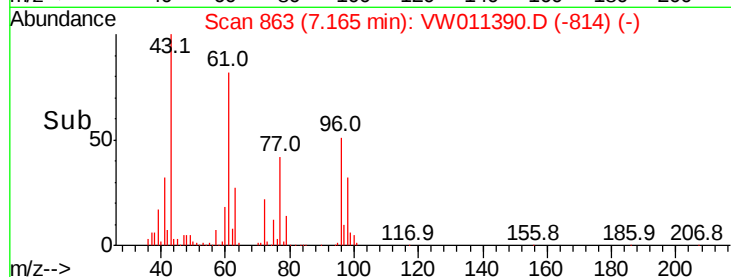
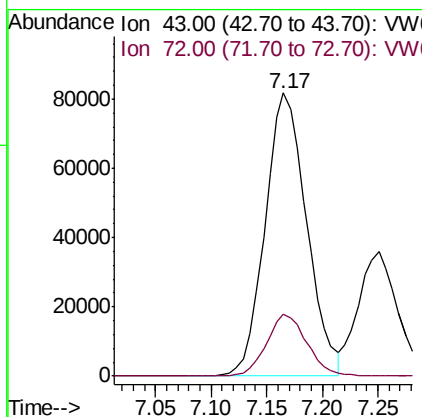
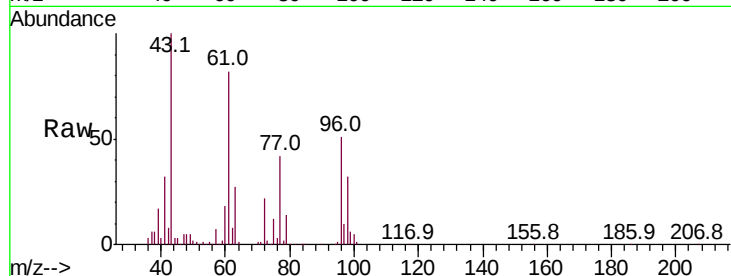
72 21.9 17.6 26.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.177 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011390.D

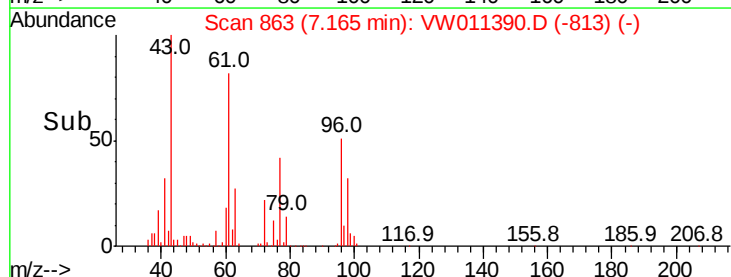
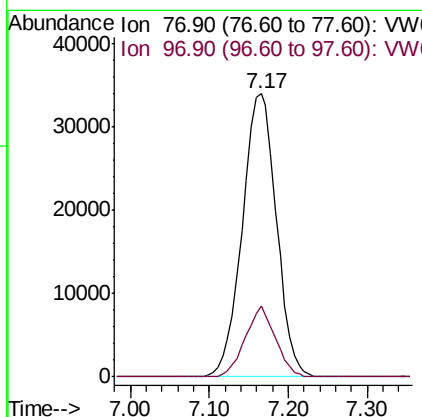
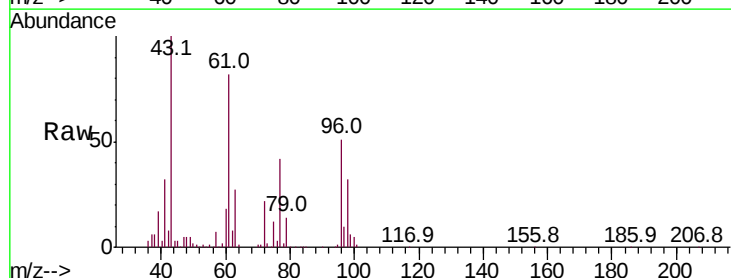
Acq: 19 Jul 2019 22:03

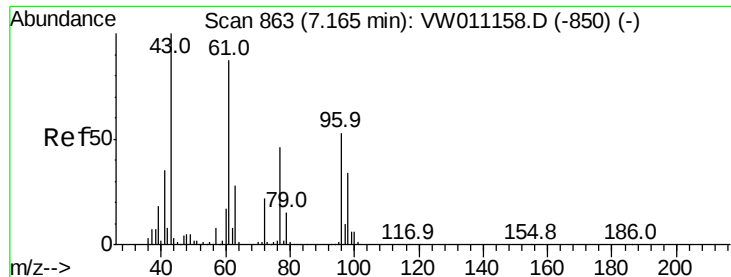
Tgt Ion: 77 Resp: 102453

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.5





#27

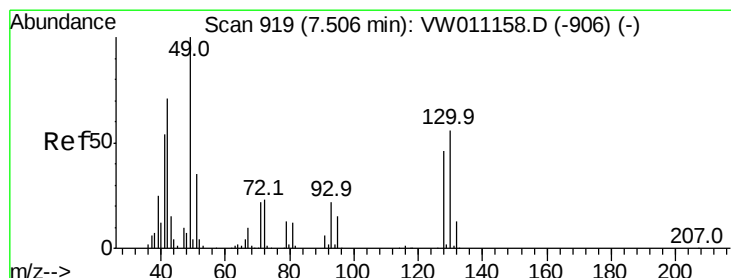
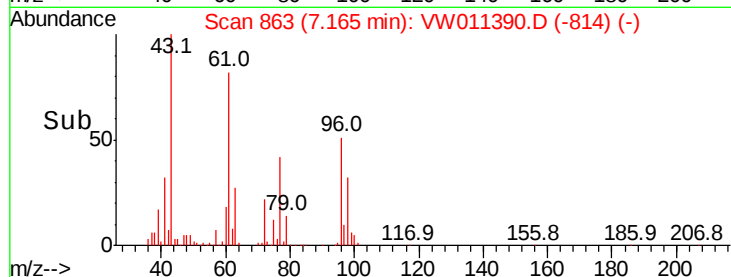
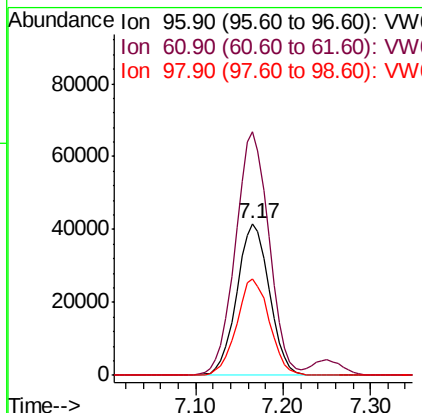
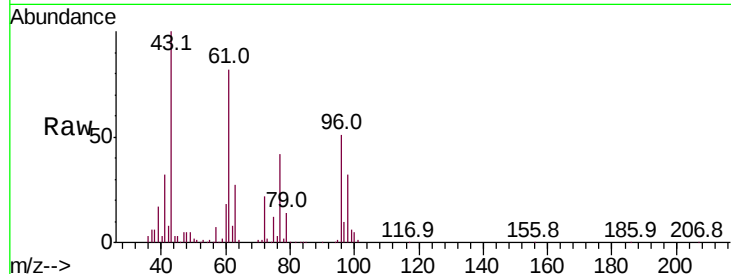
cis-1,2-Dichloroethene
Concen: 50.326 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.5	0.0	325.6
98	64.0	0.0	128.2

Manual Integrations
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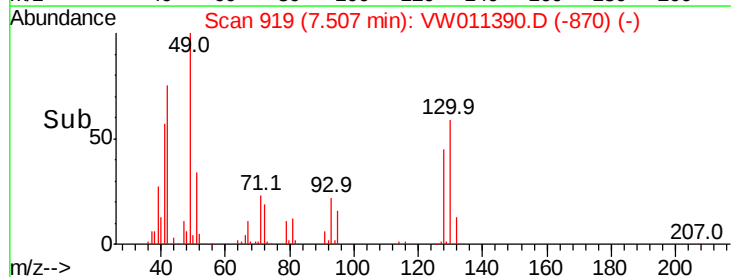
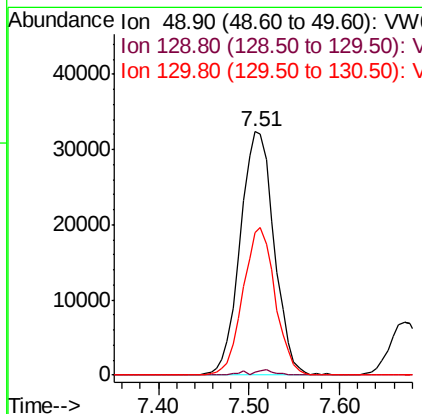
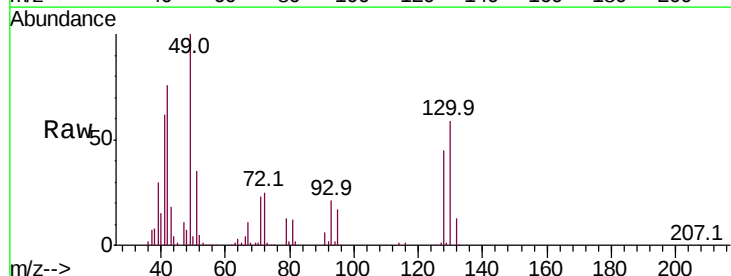
MMDadoda
7/22/2019 9:21:41 AM

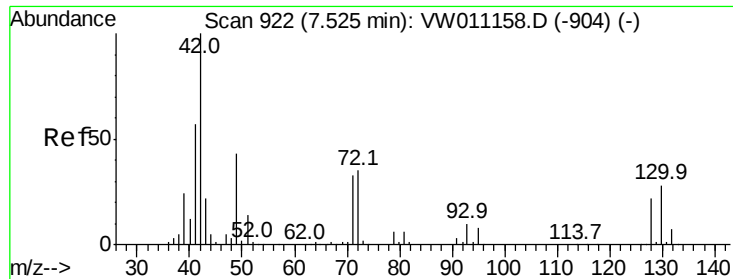


#28

Bromochloromethane
Concen: 46.961 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	1.4
130	57.4	45.8	68.8





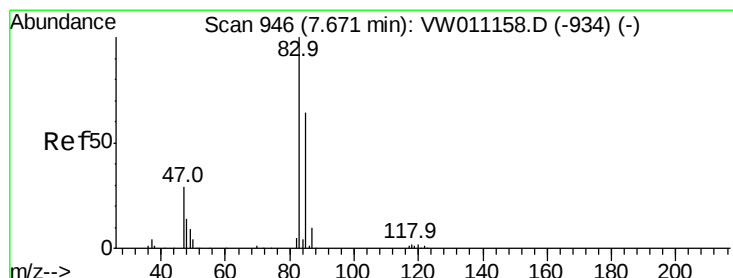
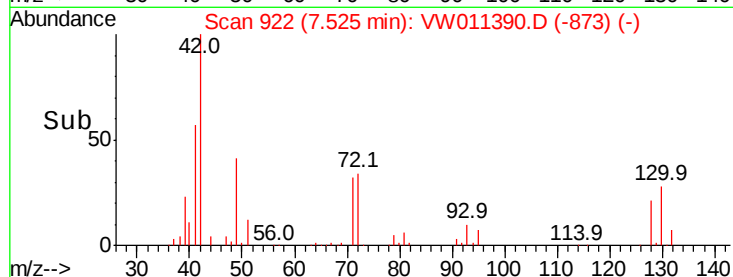
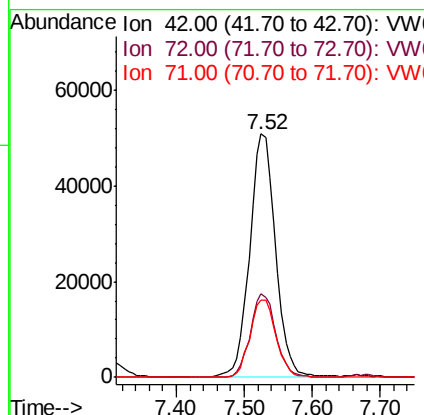
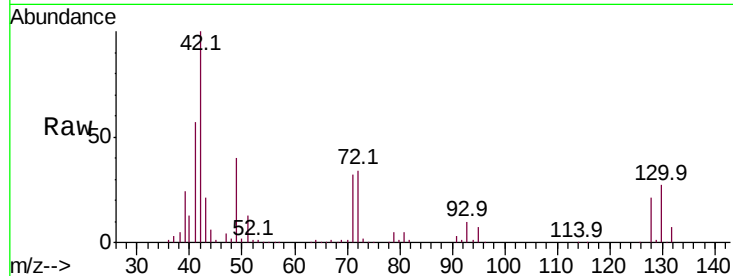
#29
Tetrahydrofuran
Concen: 251.263 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.4	41.2
71	32.2	25.9	38.9

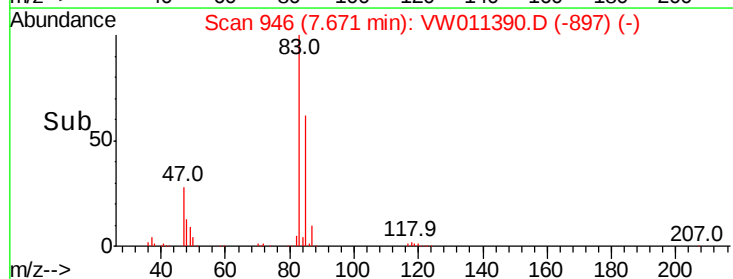
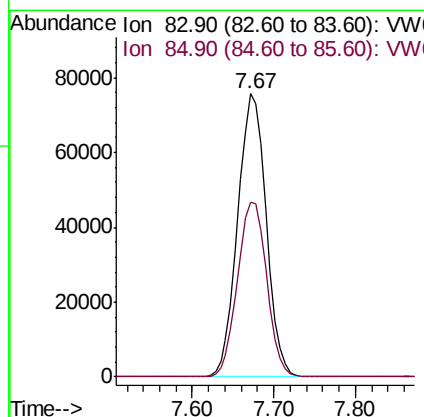
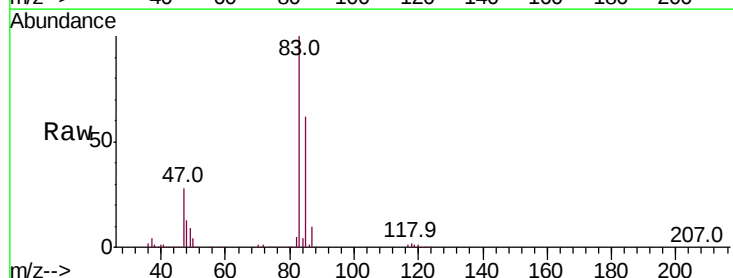
Manual Integrations
APPROVED

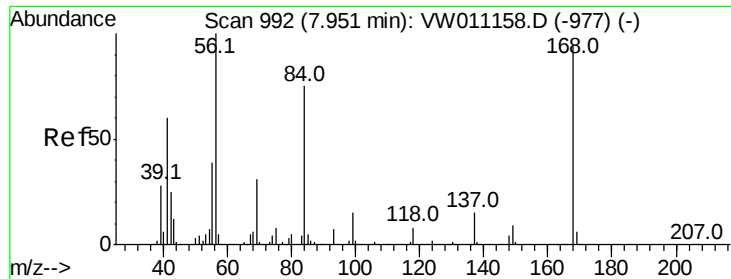
MMDadoda
7/22/2019 9:21:41 AM



#30
Chloroform
Concen: 50.266 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.4	77.2





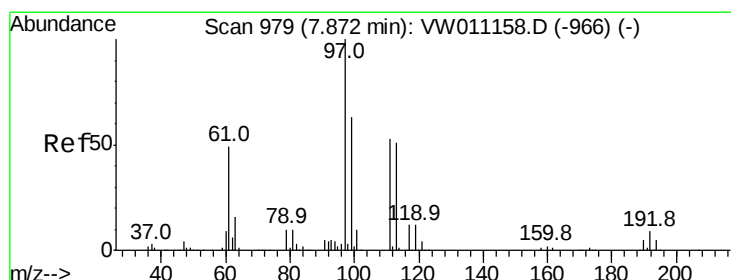
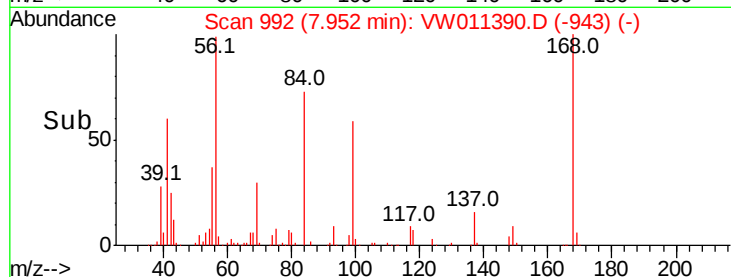
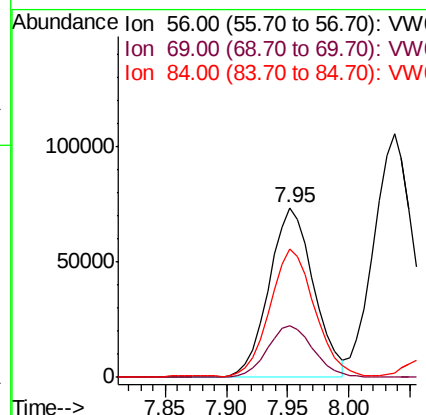
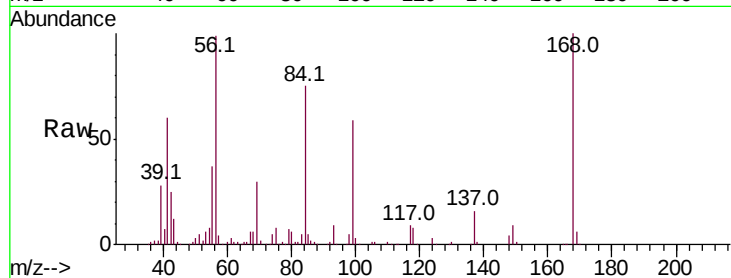
#31
Cyclohexane
Concen: 44.820 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.6	36.8
84	74.7	60.1	90.1

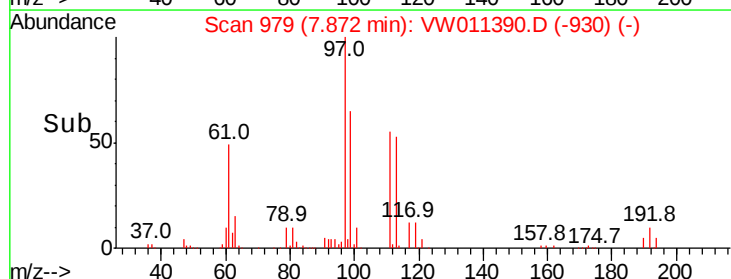
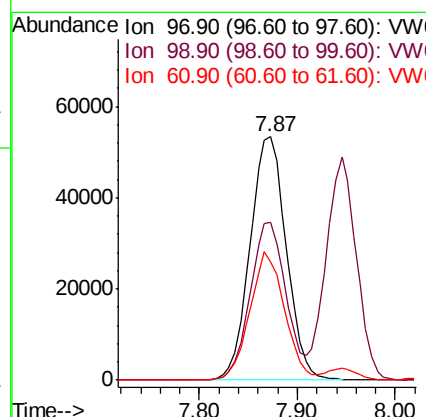
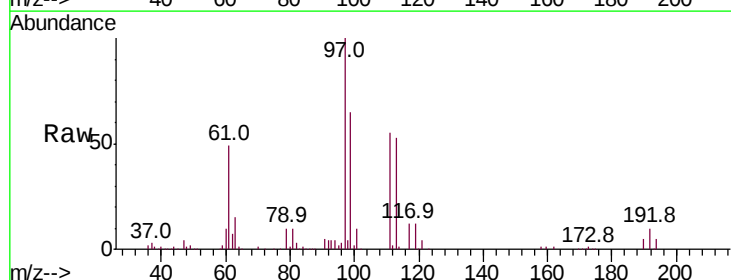
Manual Integrations
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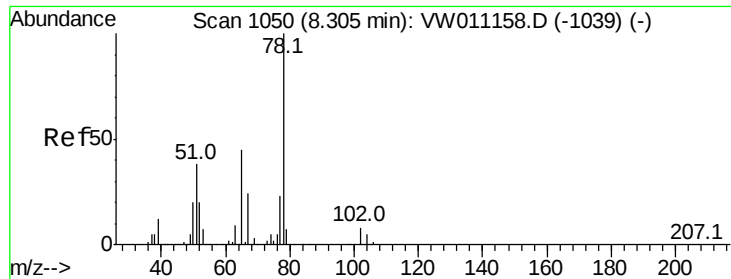
MMDadoda
7/22/2019 9:21:41 AM



#32
1,1,1-Trichloroethane
Concen: 49.564 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	50.5	40.4	60.6





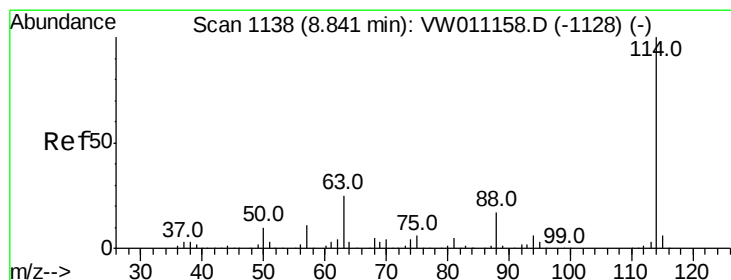
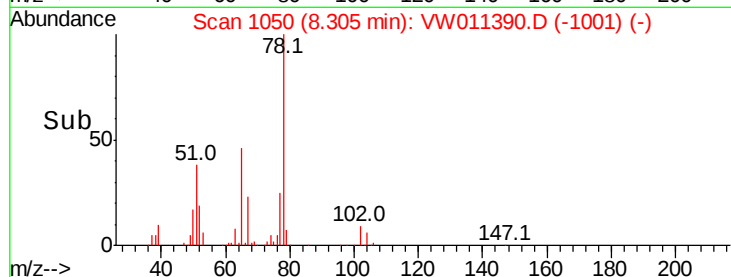
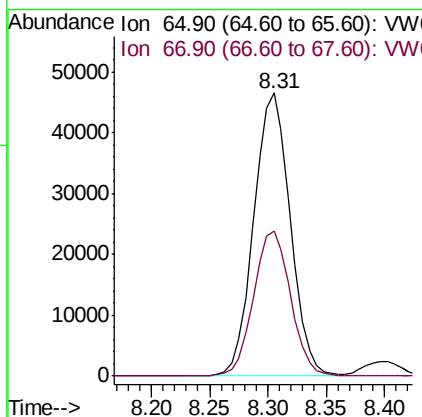
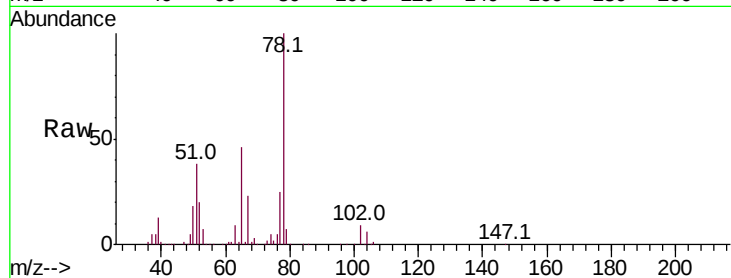
#33
 1,2-Dichloroethane-d4
 Concen: 47.073 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 101549
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.4

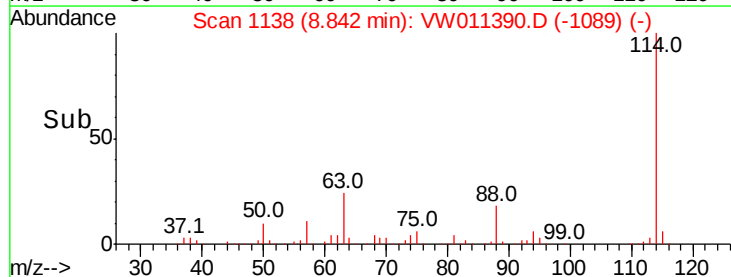
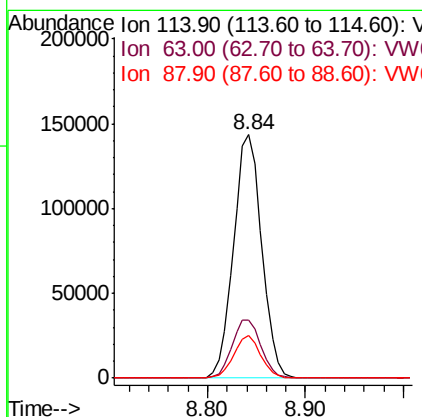
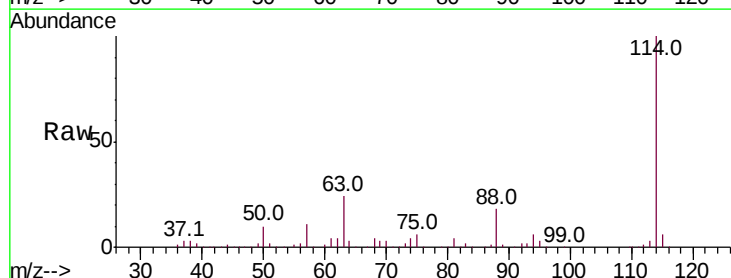
Manual Integrations
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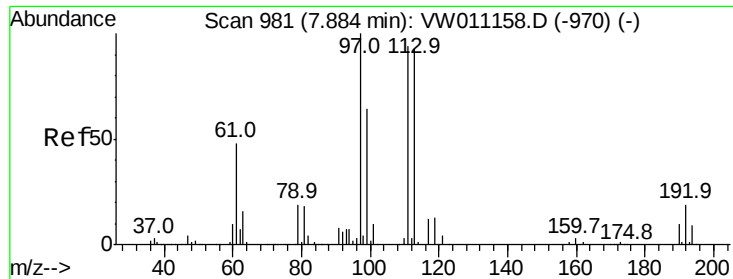
MMDadoda
 7/22/2019 9:21:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion: 114 Resp: 286659
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 50.8
 88 17.5 0.0 34.2





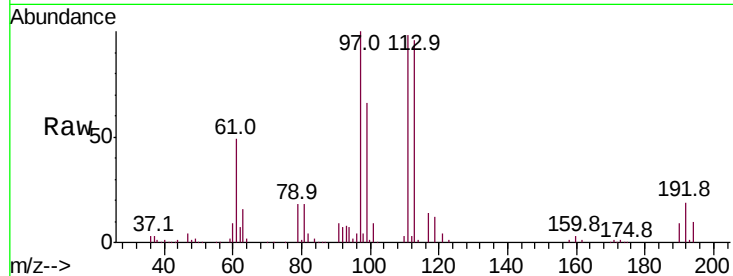
#35
 Dibromofluoromethane
 Concen: 47.935 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	20.4	15.8	23.8

Manual Integrations
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MMDadoda
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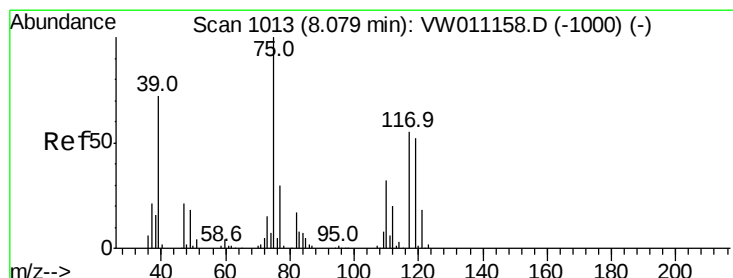
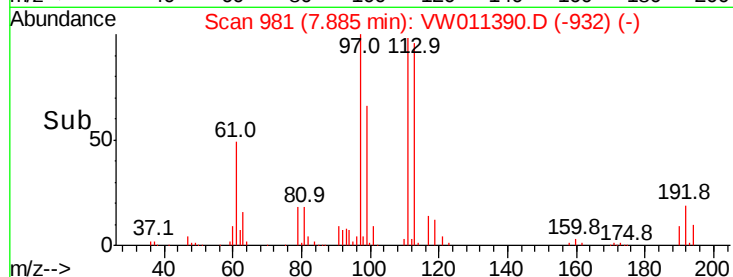
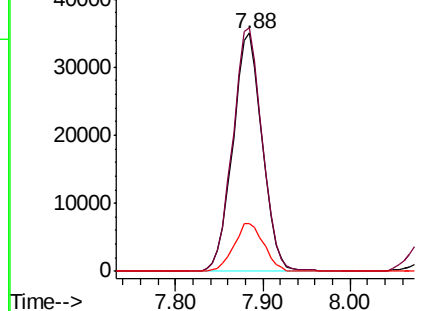


Abundance

Ion 112.80 (112.50 to 113.50): V

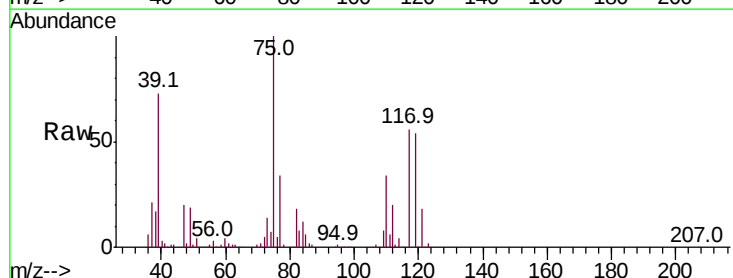
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 47.550 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	15.9	47.6
77	31.3	24.6	36.8

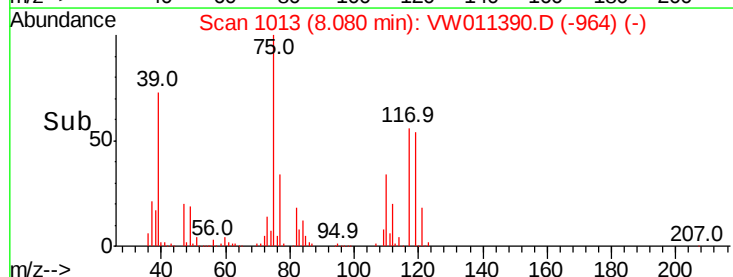
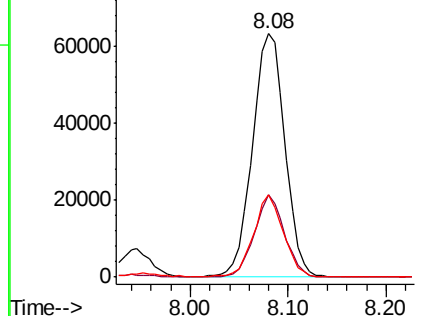


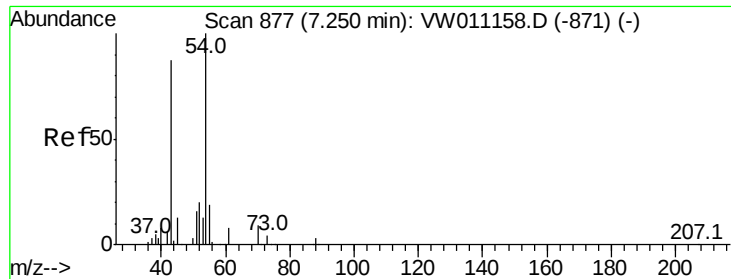
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





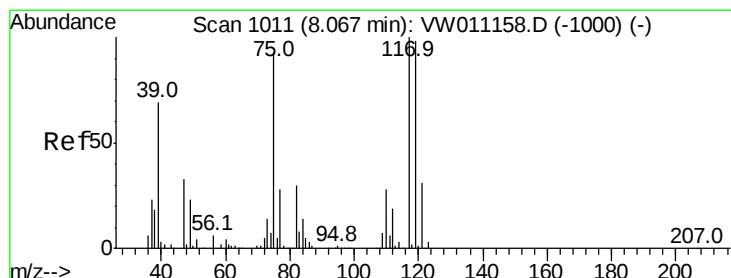
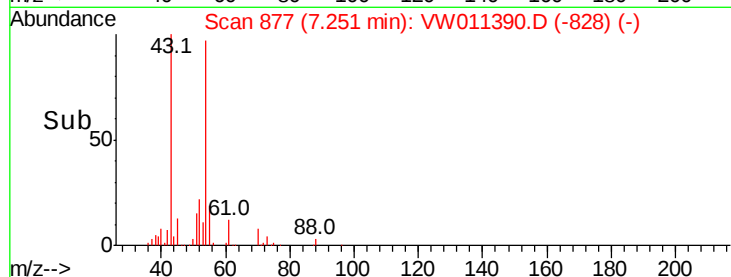
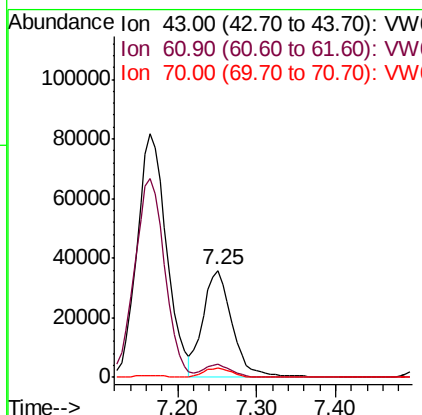
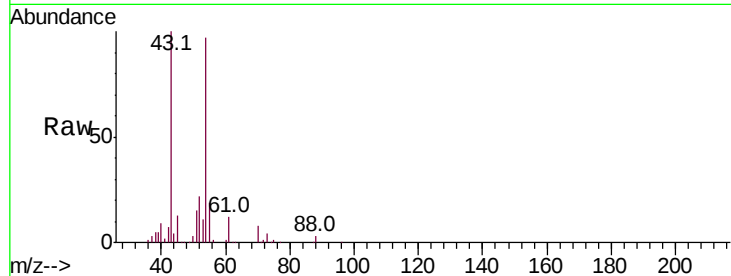
#37
Ethyl Acetate
Concen: 49.549 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.5	14.3
70	8.6	7.1	10.7

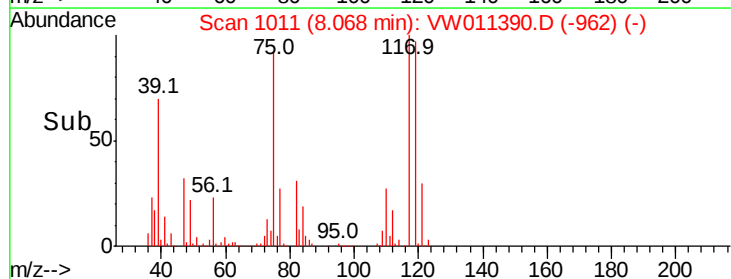
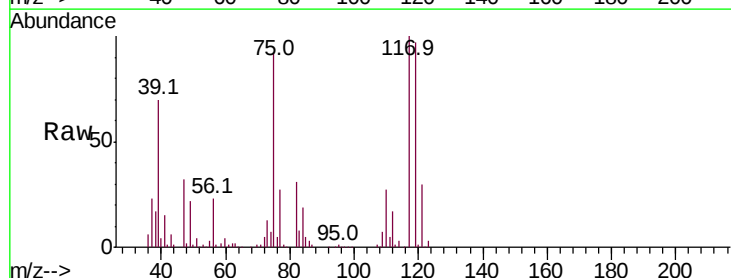
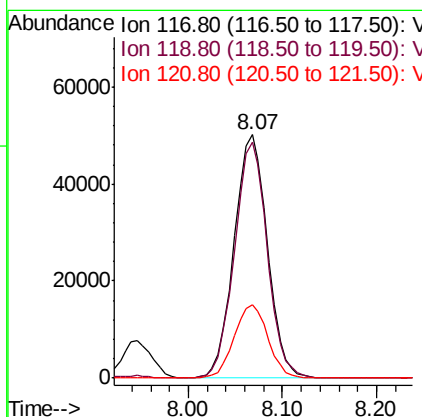
Manual Integrations
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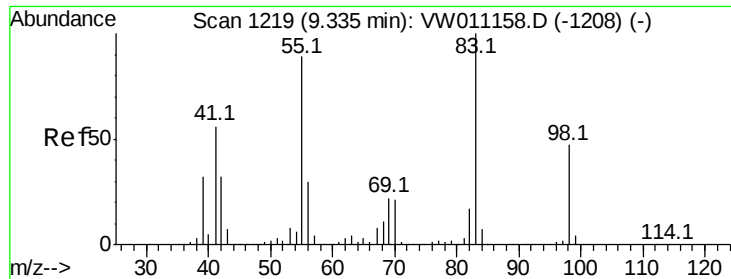
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#38
Carbon Tetrachloride
Concen: 47.802 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.1	117.1
121	29.9	25.1	37.7





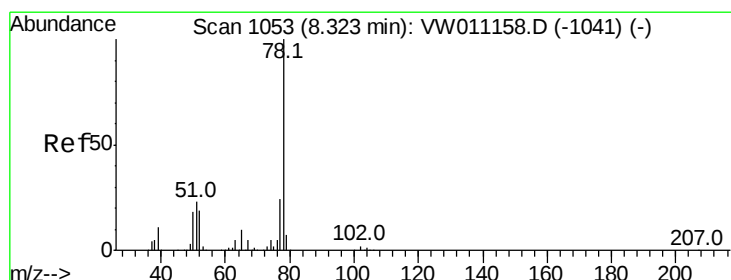
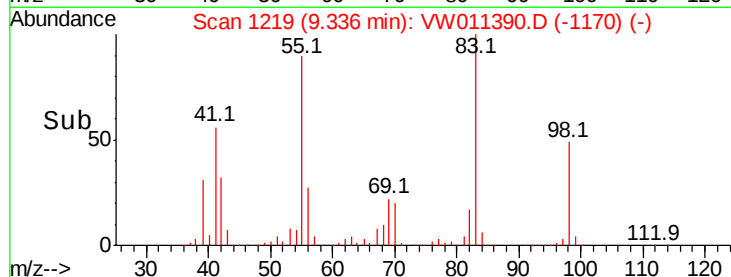
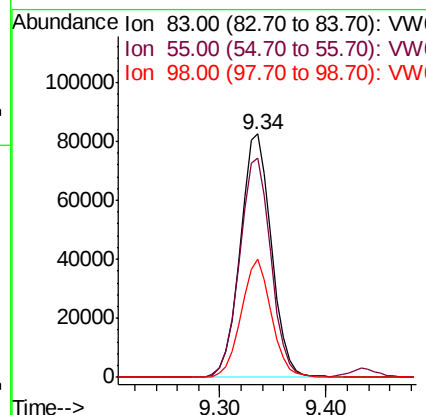
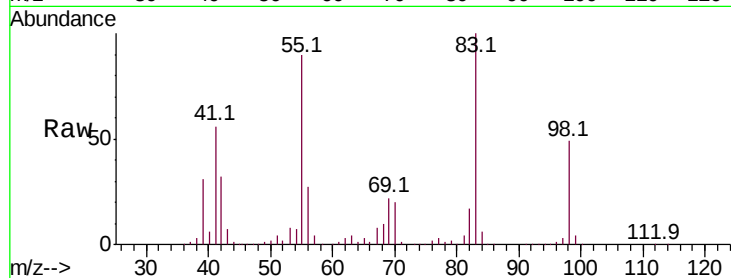
#39
Methvlcvclohexane
Concen: 45.869 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.9	71.2	106.8
98	48.5	37.5	56.3

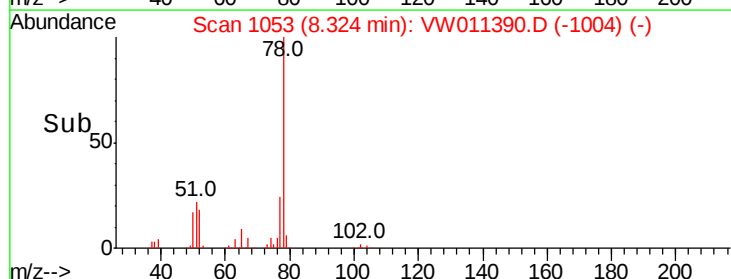
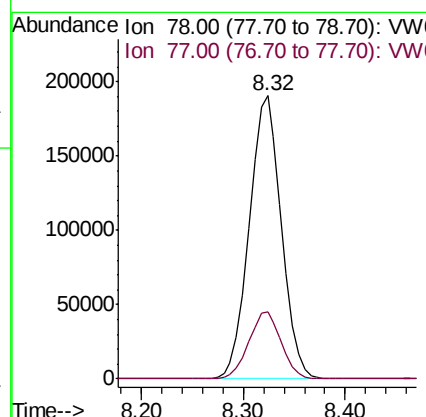
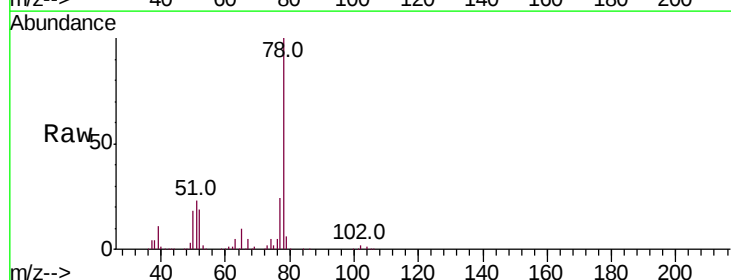
Manual Integrations
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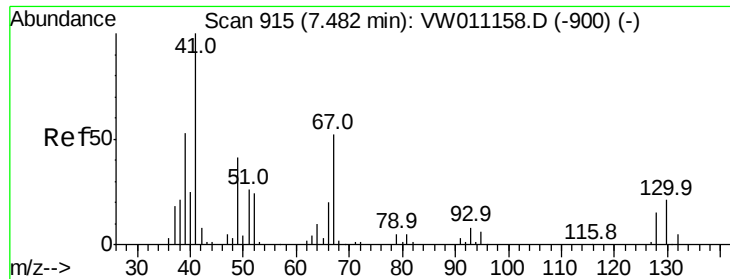
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#40
Benzene
Concen: 49.412 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





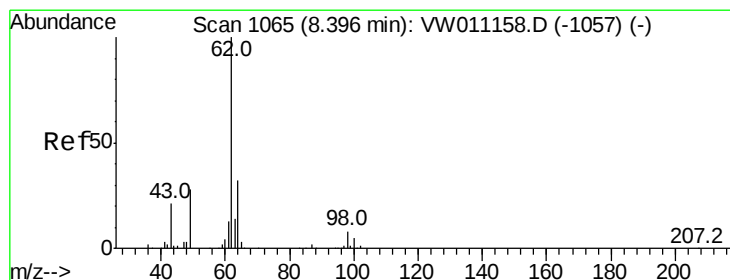
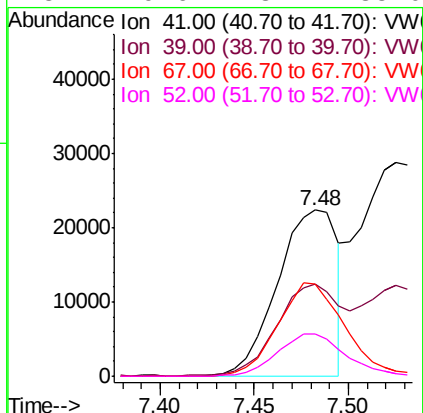
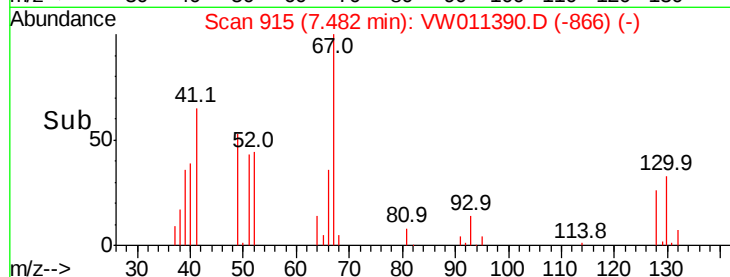
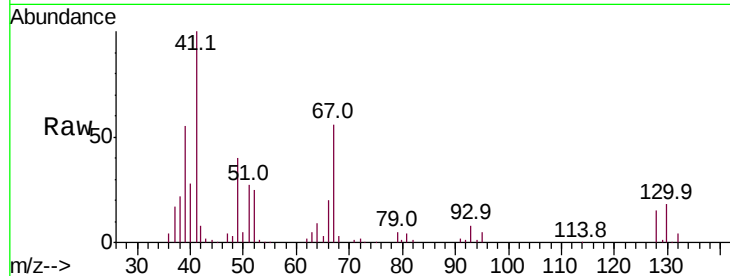
#41
Methacrylonitrile
Concen: 46.971 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	49272
Ion Ratio	Lower	Upper	
41	100		
39	61.0	48.0	72.0
67	63.0	49.7	74.5
52	29.6	23.4	35.0

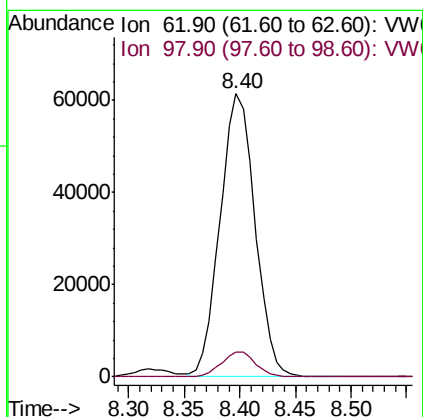
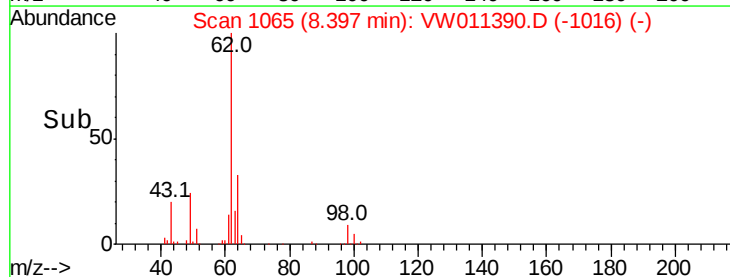
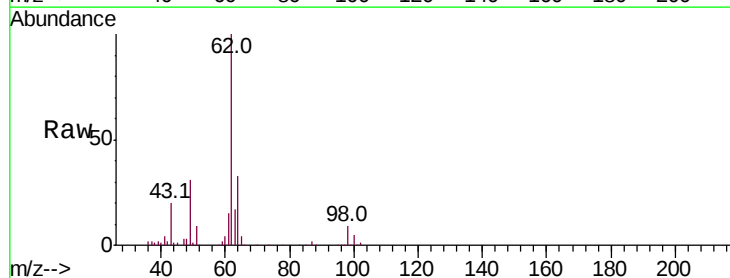
Manual Integrations
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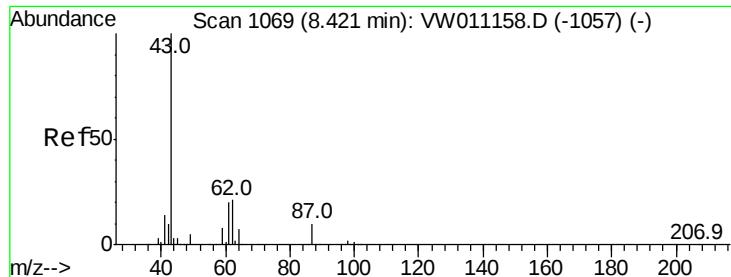
MMDadoda
7/22/2019 9:21:41 AM



#42
1,2-Dichloroethane
Concen: 48.910 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	62	Resp	133851
Ion Ratio	Lower	Upper	
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 48.882 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

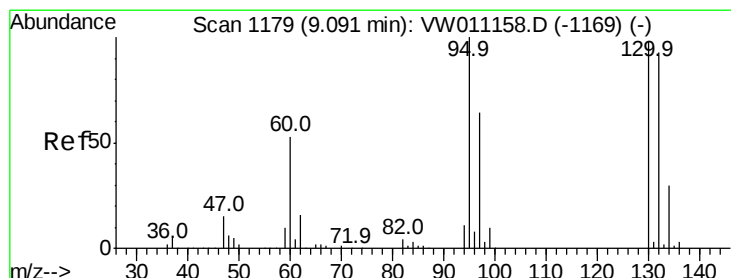
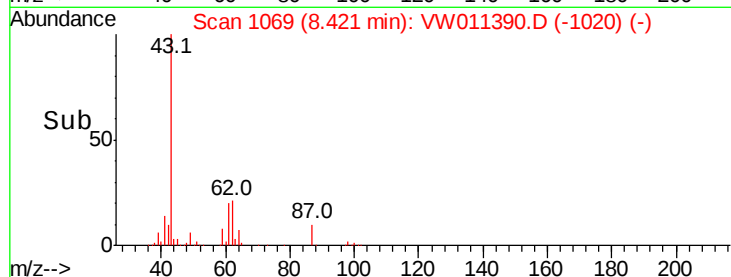
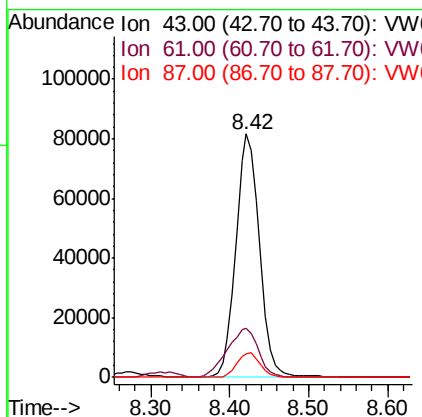
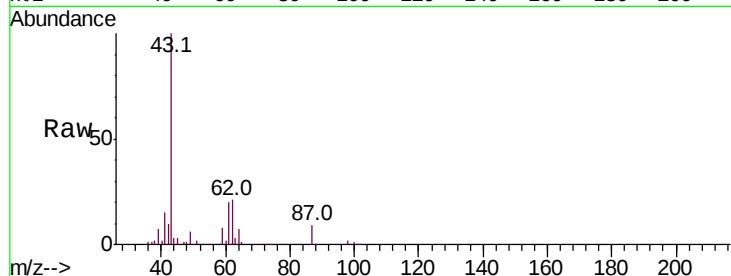
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	169268
Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.7	31.1
87	10.0	8.1	12.1

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#44

Trichloroethene

Concen: 48.956 ug/l

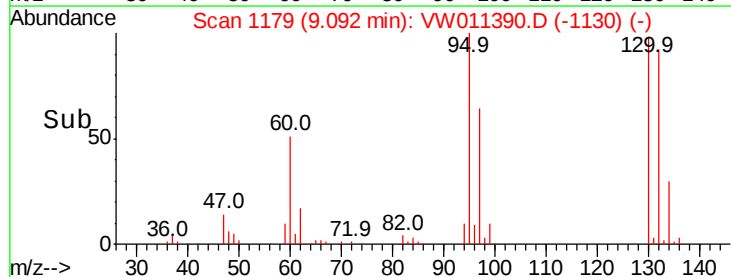
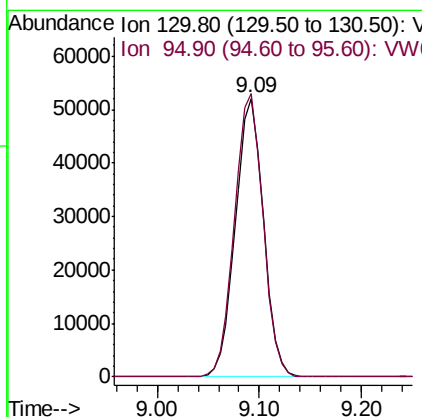
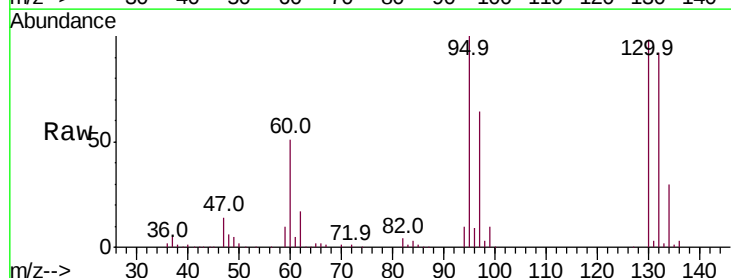
RT: 9.09 min Scan# 1179

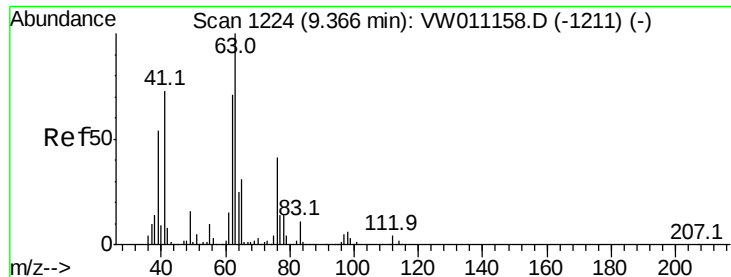
Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Tgt Ion:	130	Resp:	99388
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	203.6





#45

1,2-Dichloropropane

Concen: 50.122 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 114506

Ion Ratio Lower Upper

63 100

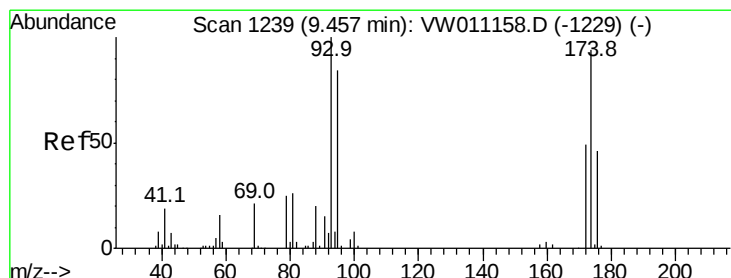
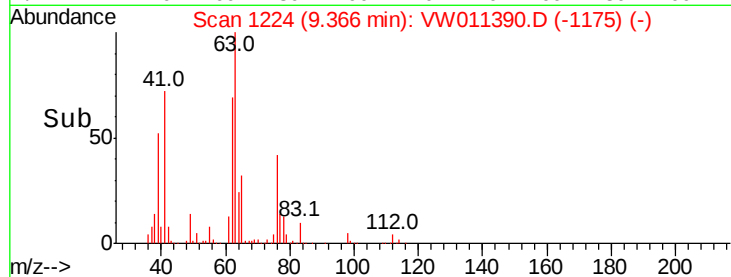
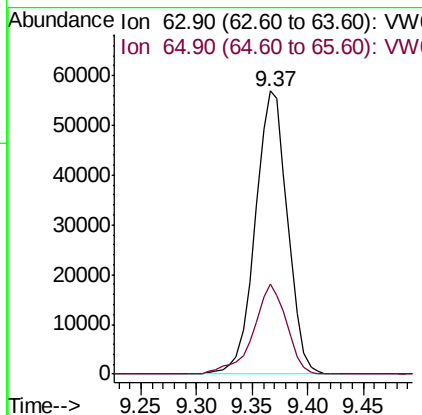
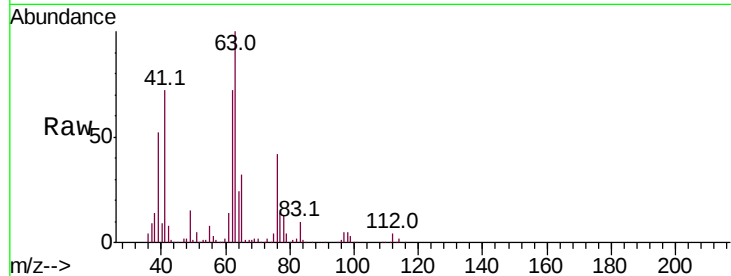
65 31.9 24.4 36.6

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#46

Dibromomethane

Concen: 49.237 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

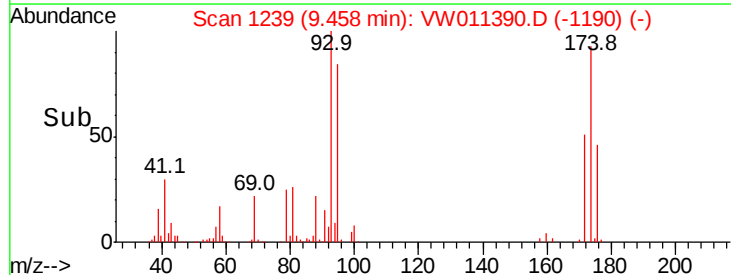
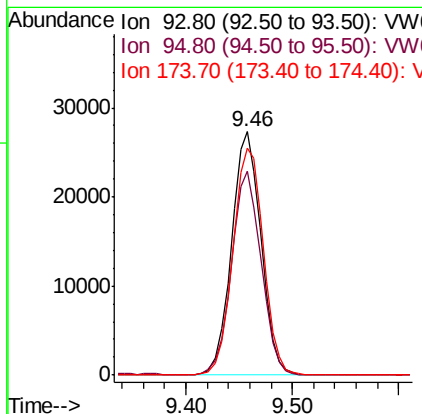
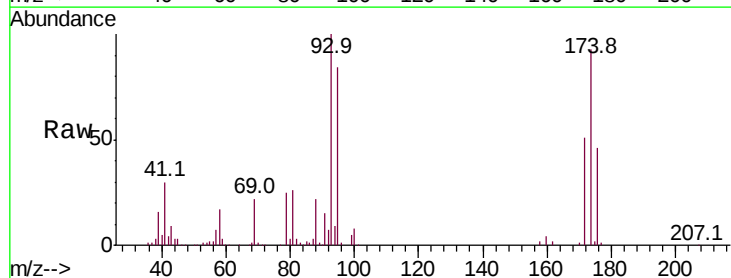
Tgt Ion: 93 Resp: 52839

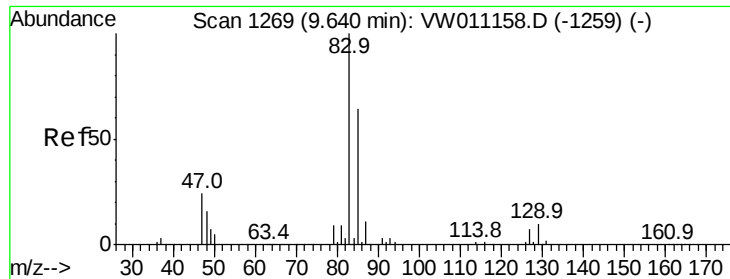
Ion Ratio Lower Upper

93 100

95 84.4 67.2 100.8

174 96.5 76.3 114.5





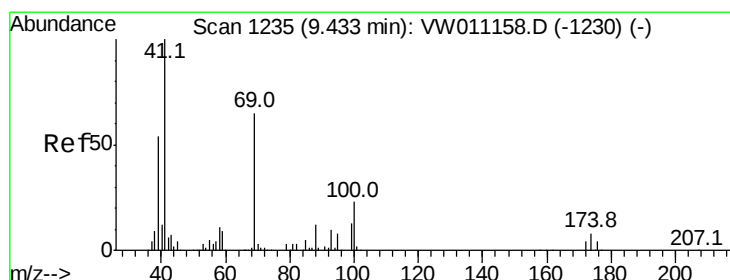
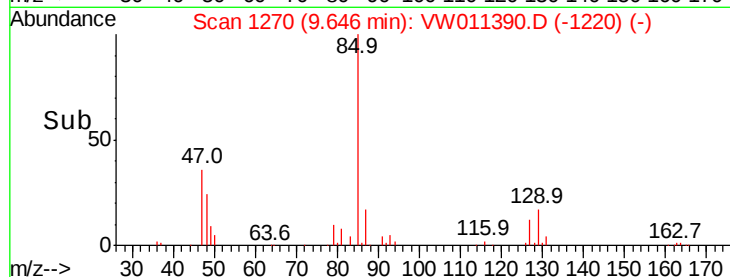
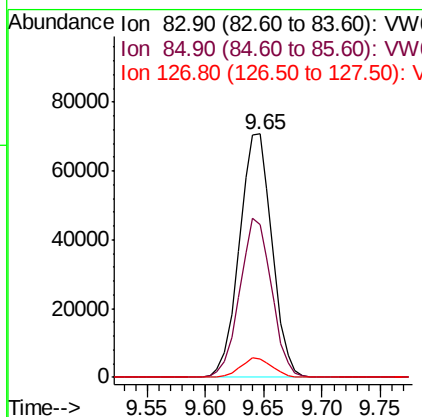
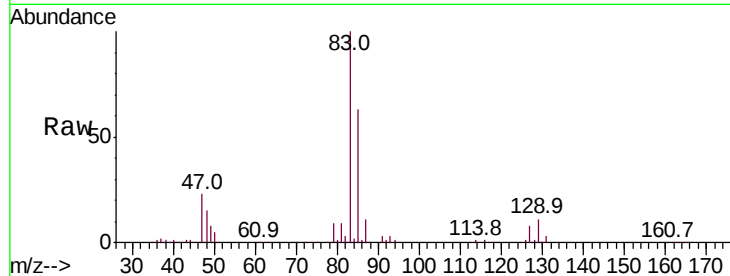
#47
Bromodichloromethane
Concen: 50.290 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.0	51.0	76.4	
127	7.7	6.0	9.0	

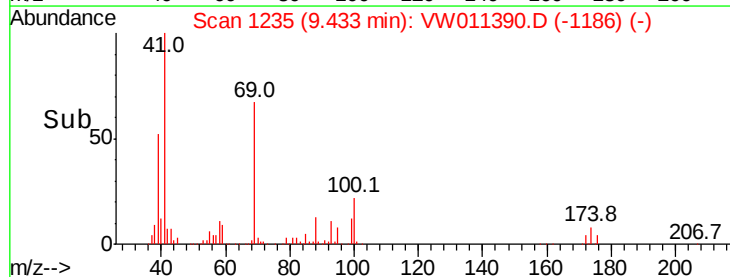
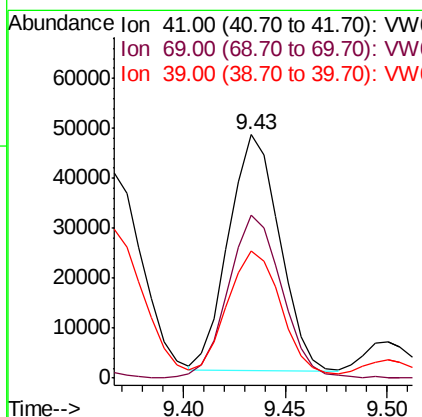
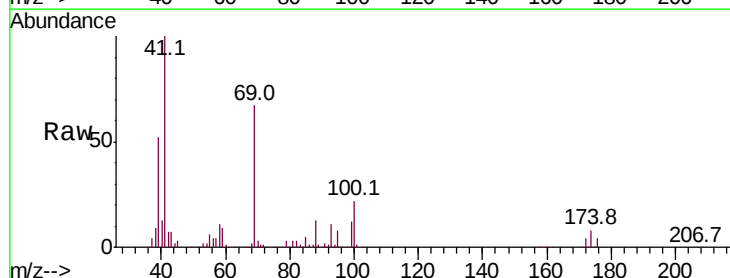
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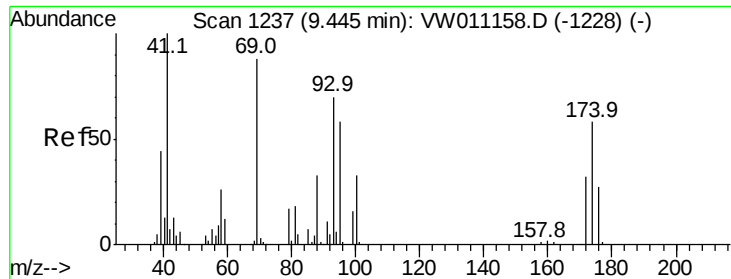
MMDadoda
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#48
Methyl methacrylate
Concen: 49.345 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	73.3	56.0	84.0	
39	57.7	43.5	65.3	





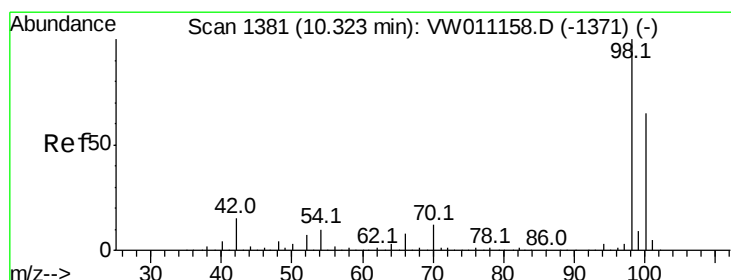
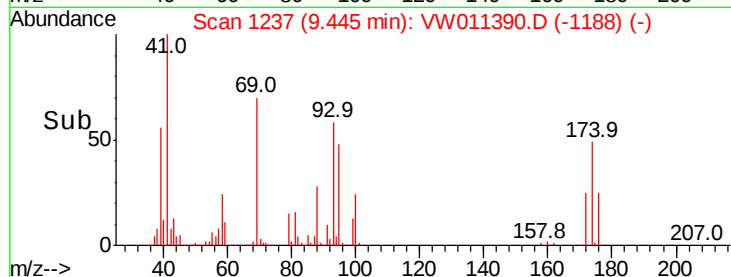
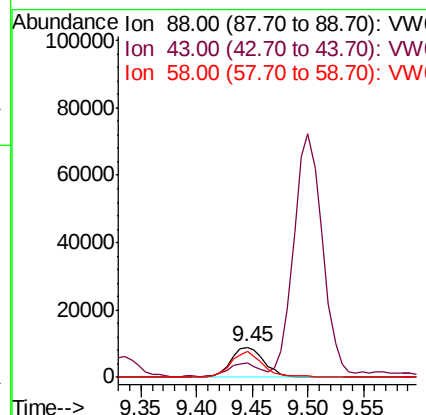
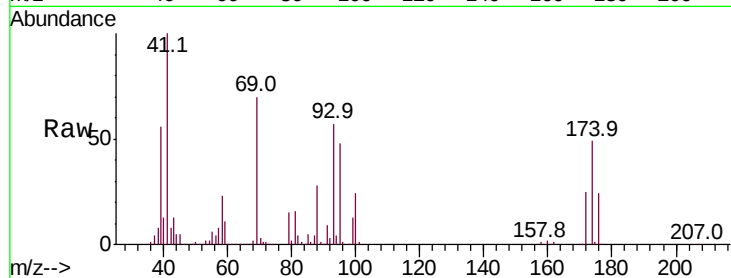
#49
1,4-Dioxane
Concen: 1041.540 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.7	33.4	50.0
58	85.7	64.5	96.7

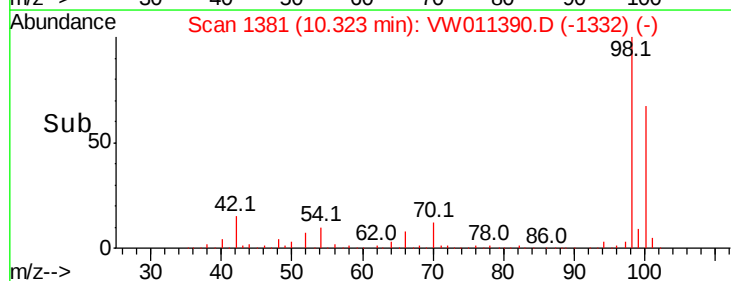
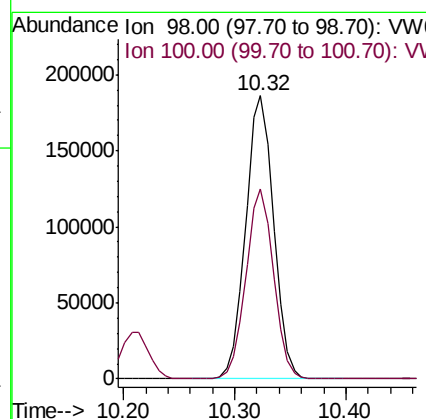
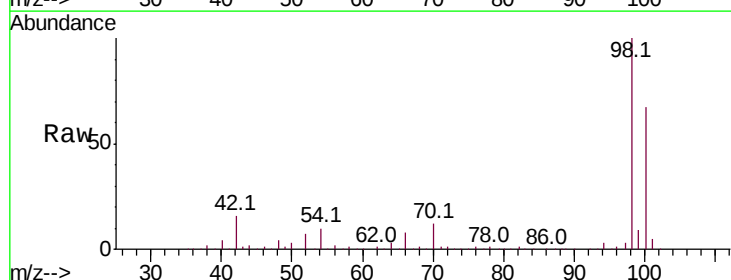
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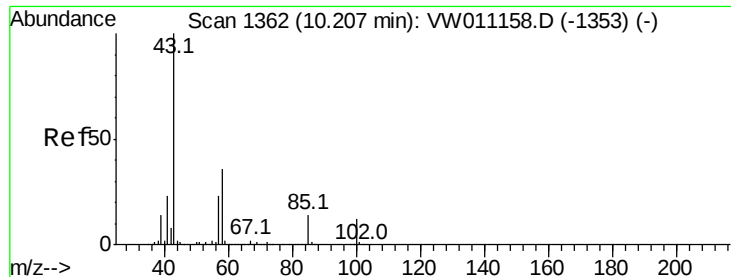
MMDadoda
7/22/2019 9:21:41 AM



#50
Toluene-d8
Concen: 46.956 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 249.596 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 451485

Ion Ratio Lower Upper

43 100

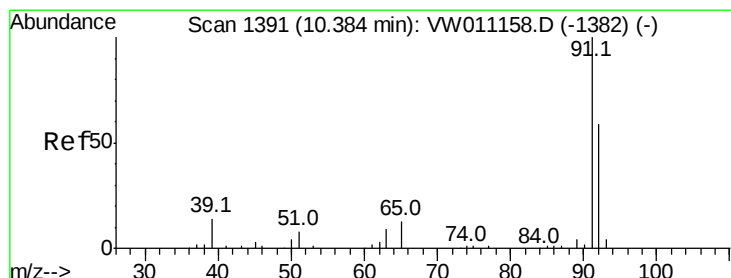
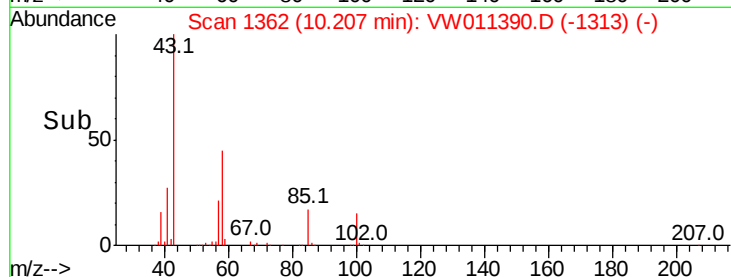
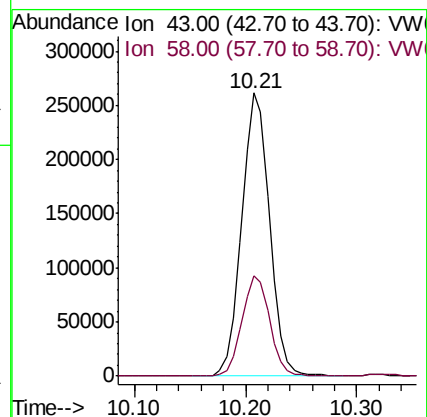
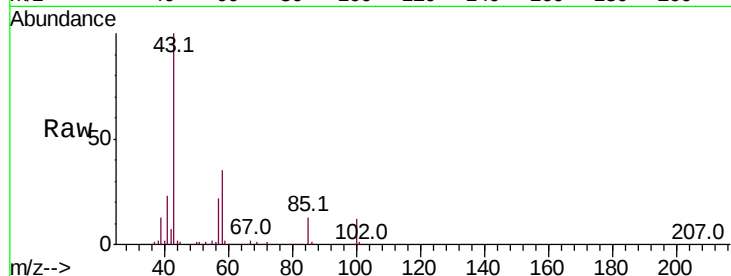
58 35.4 28.2 42.2

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#52

Toluene

Concen: 49.801 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011390.D

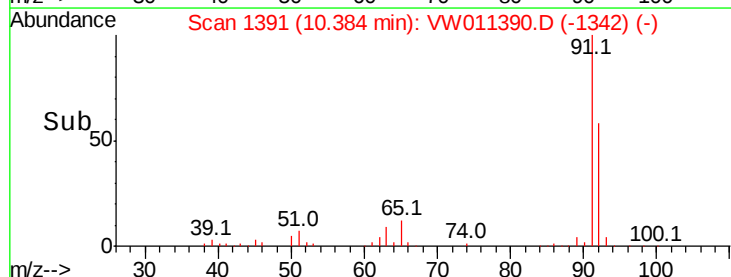
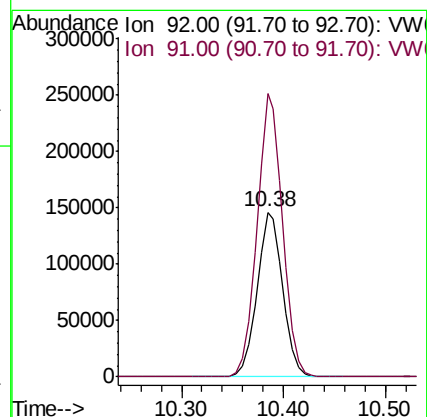
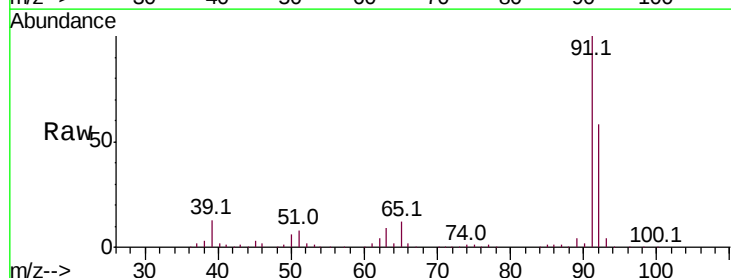
Acq: 19 Jul 2019 22:03

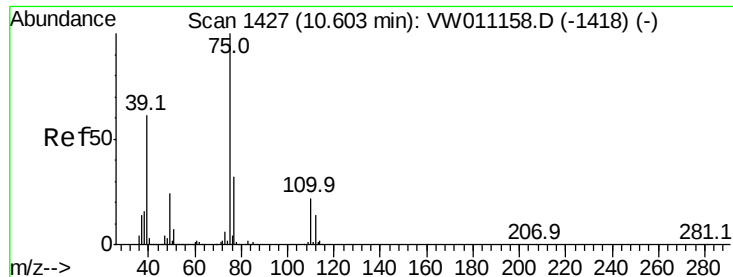
Tgt Ion: 92 Resp: 254859

Ion Ratio Lower Upper

92 100

91 171.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 48.437 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W

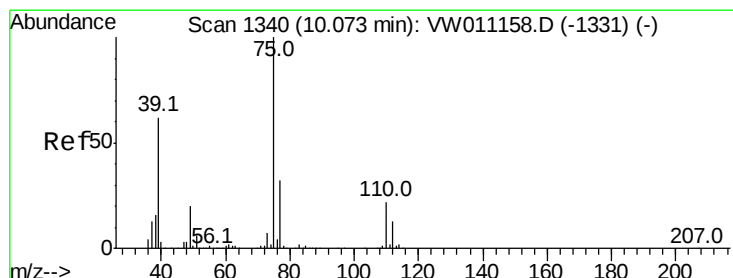
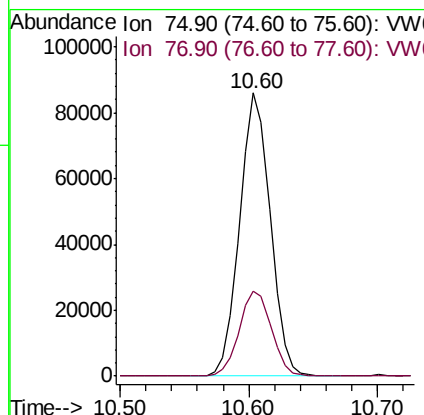
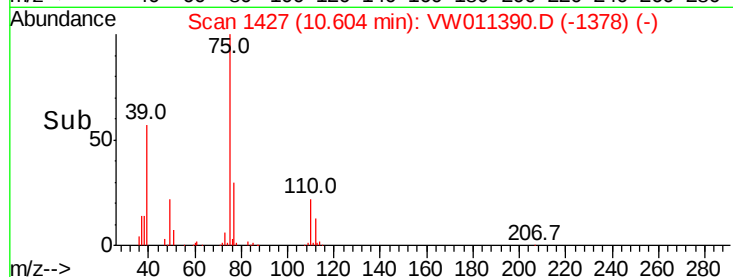
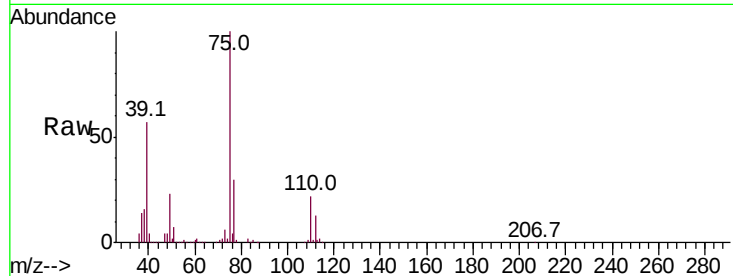
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 141570

Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.4	38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 48.311 ug/l

RT: 10.07 min Scan# 1340

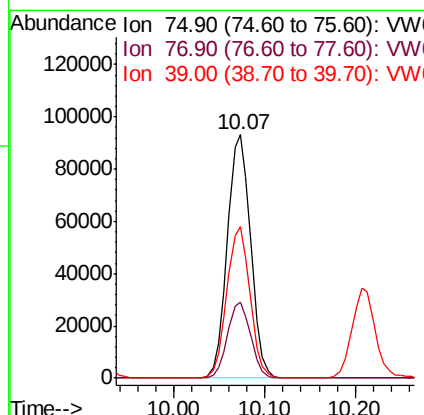
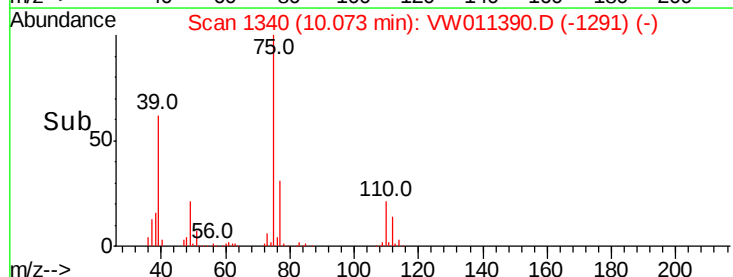
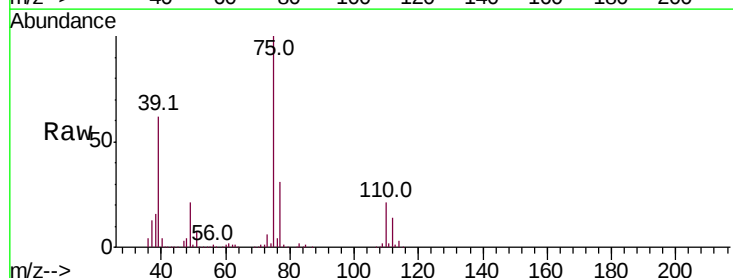
Delta R.T. 0.00 min

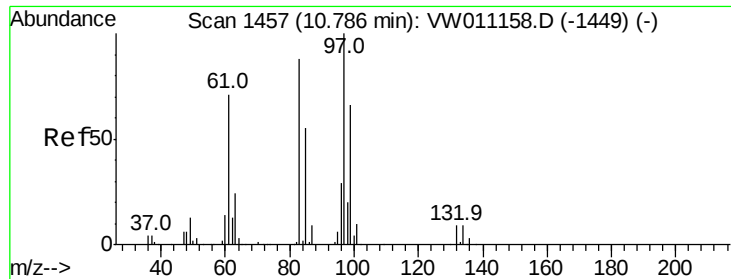
Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Tgt Ion: 75 Resp: 166202

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	62.1	49.8	74.8





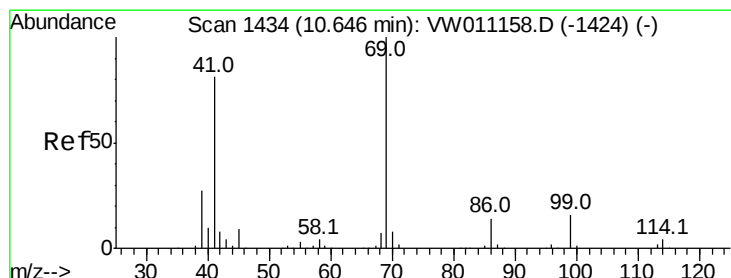
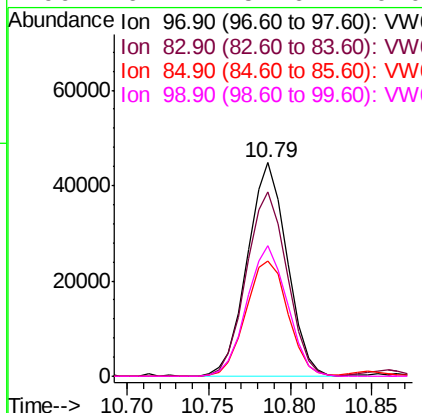
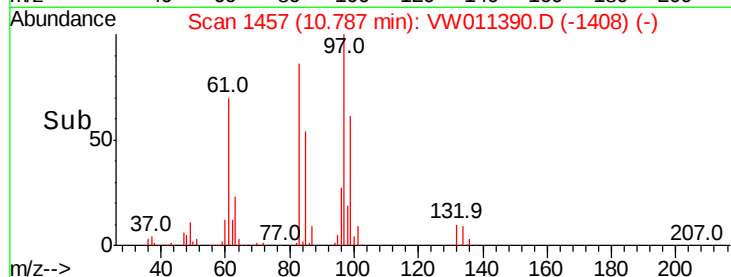
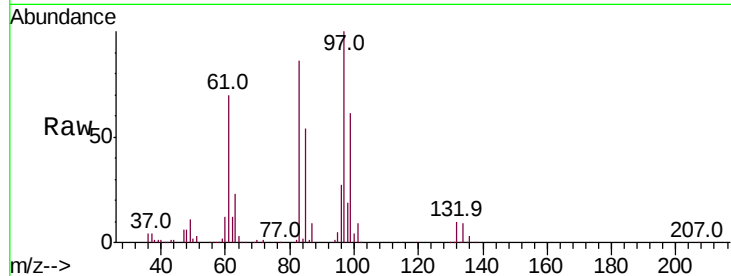
#55
 1,1,2-Trichloroethane
 Concen: 49.927 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	76011
Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.2	105.4
85	54.2	44.2	66.2
99	61.2	52.6	79.0

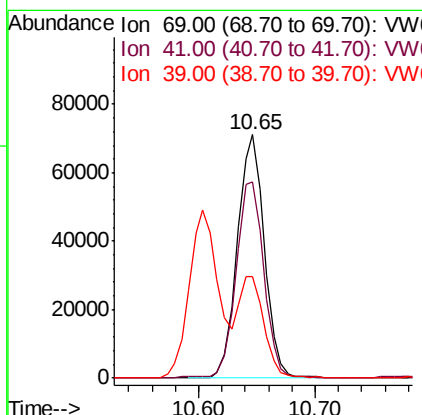
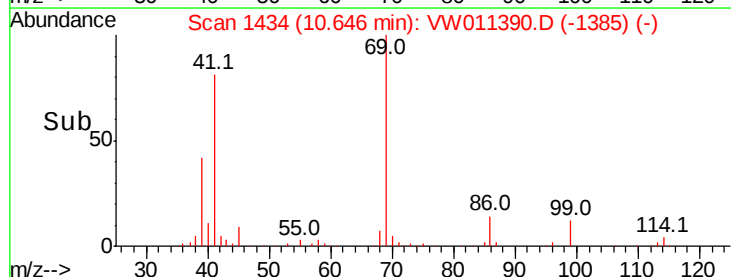
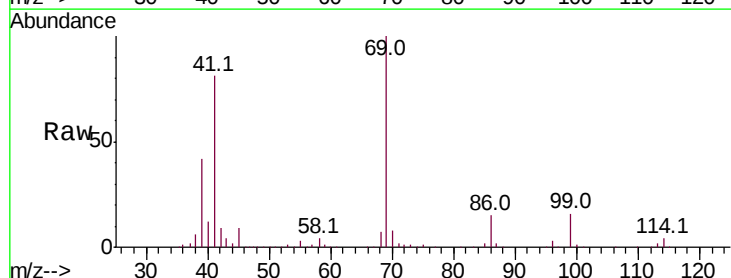
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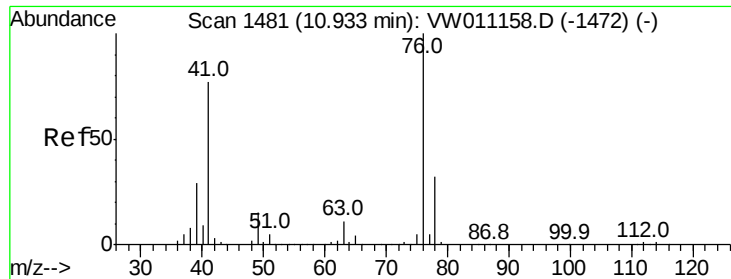
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 7/22/2019 9:21:41 AM



#56
 Ethyl methacrylate
 Concen: 49.487 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion:	69	Resp:	114705
Ion	Ratio	Lower	Upper
69	100		
41	82.1	66.5	99.7
39	39.0	32.5	48.7





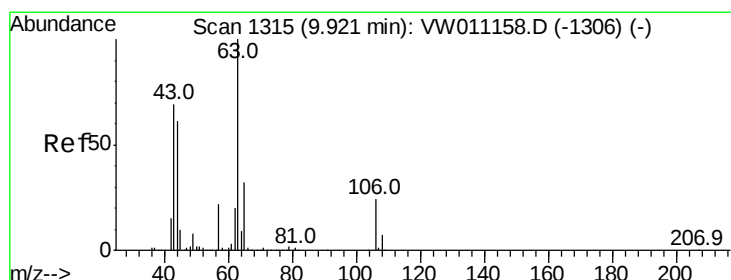
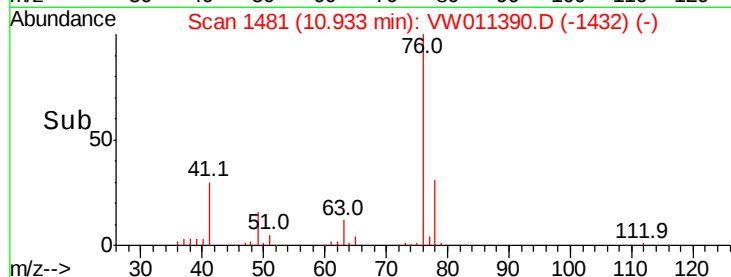
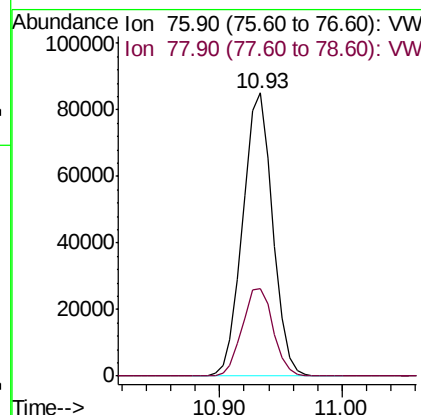
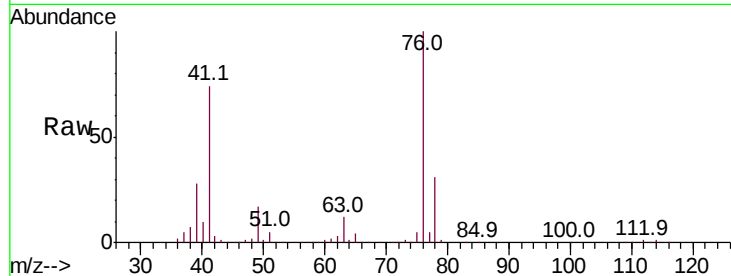
#57
 1,3-Dichloropropane
 Concen: 49.997 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 143937
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

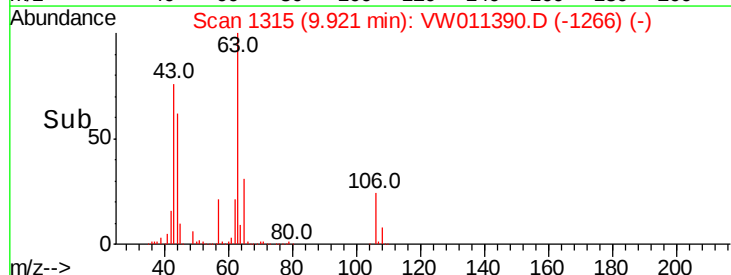
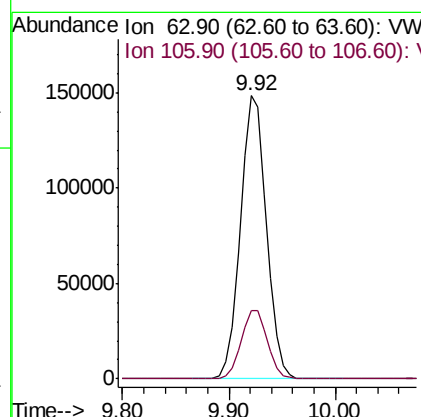
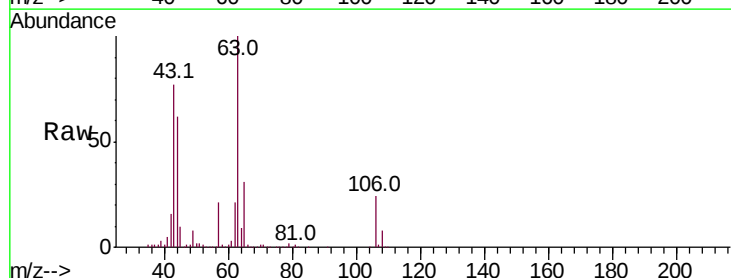
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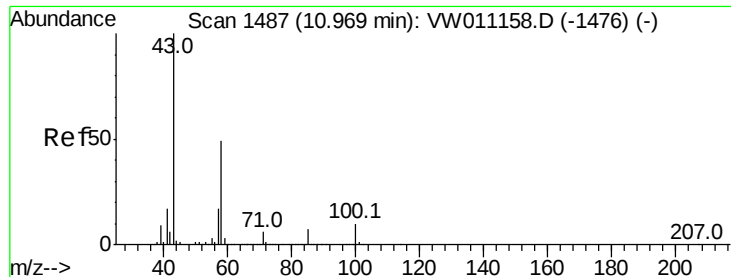
MMDadoda
 7/22/2019 9:21:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.250 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion: 63 Resp: 253868
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.4 29.0





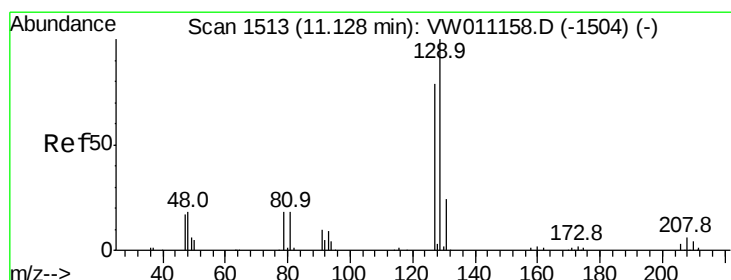
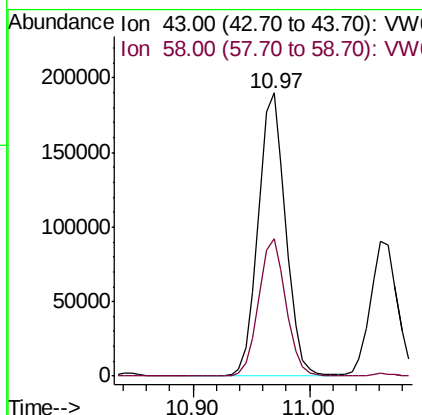
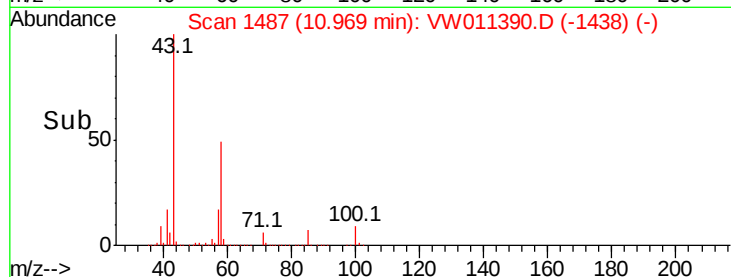
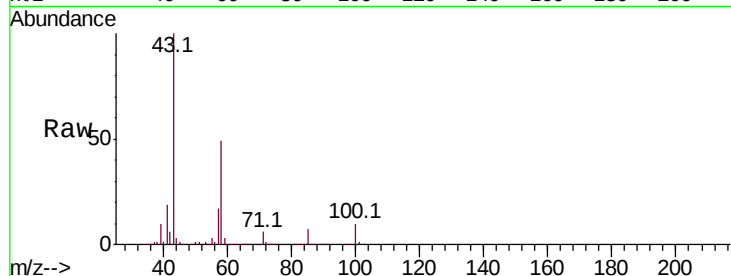
#59
2-Hexanone
Concen: 247.049 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 309911
Ion Ratio Lower Upper
43 100
58 48.4 24.4 73.4

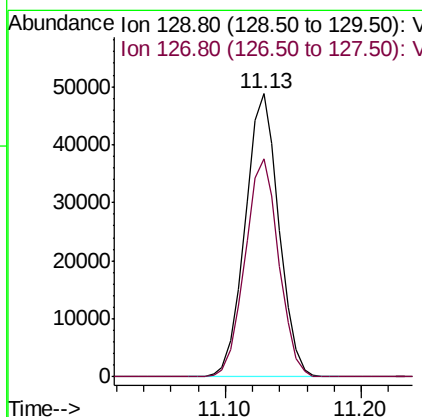
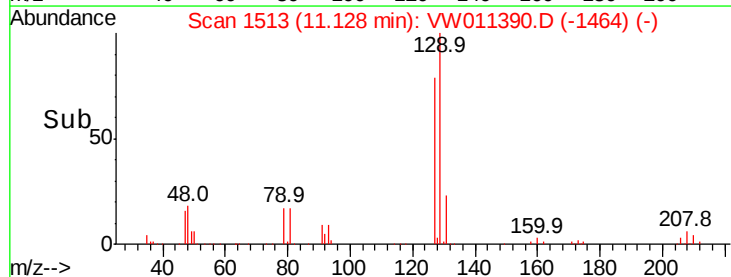
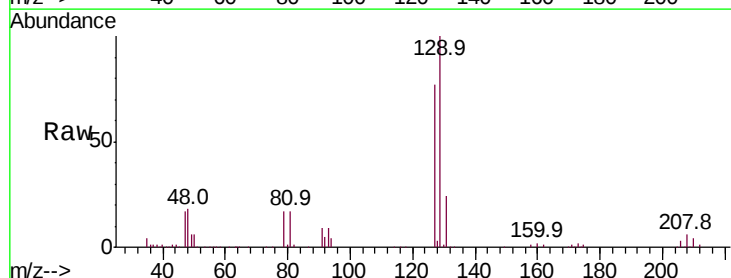
Manual Integrations
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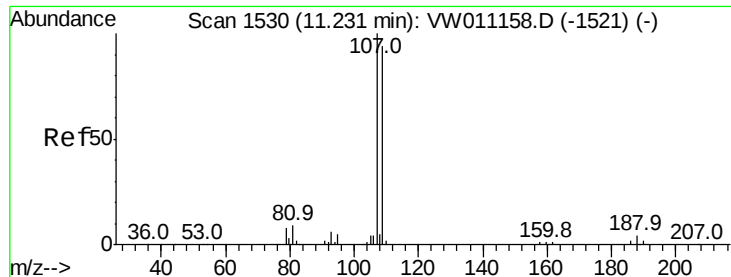
MMDadoda
7/22/2019 9:21:41 AM



#60
Dibromochloromethane
Concen: 50.563 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion: 129 Resp: 84413
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.3





#61

1,2-Dibromoethane

Concen: 50.115 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 72271

Ion Ratio Lower Upper

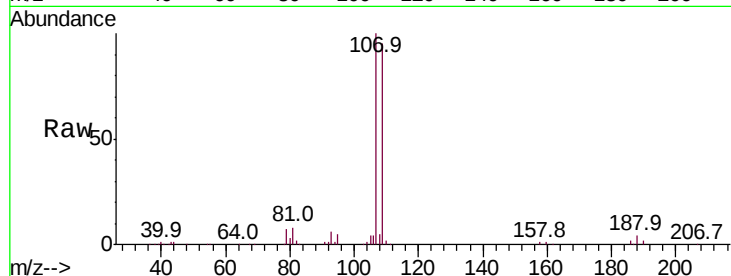
107 100

109 92.7 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

40000

30000

20000

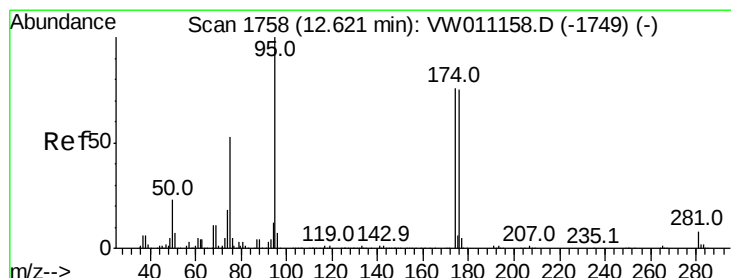
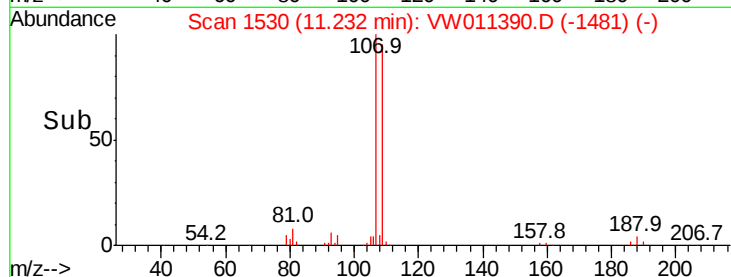
10000

0

Time-->

11.20

11.30



#62

4-Bromofluorobenzene

Concen: 47.319 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

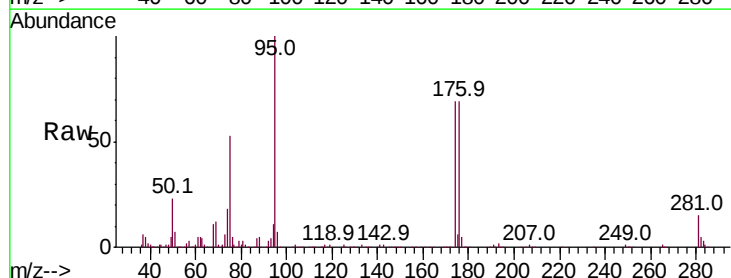
Tgt Ion: 95 Resp: 119787

Ion Ratio Lower Upper

95 100

174 74.5 0.0 147.6

176 73.2 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

100000

80000

60000

40000

20000

0

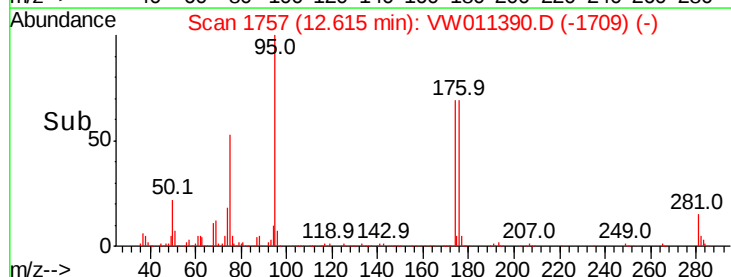
Time-->

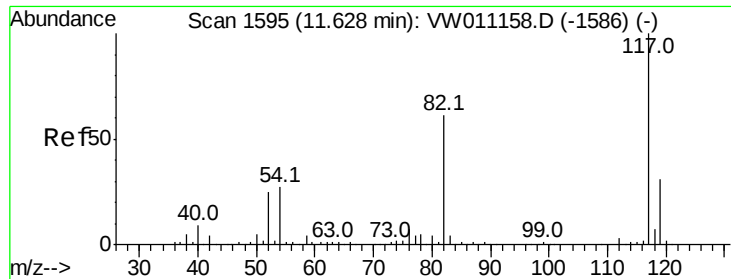
12.55

12.60

12.65

12.70





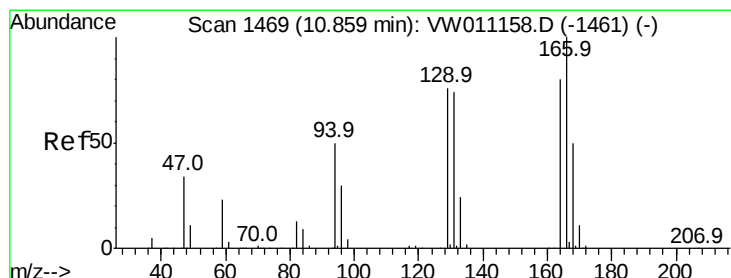
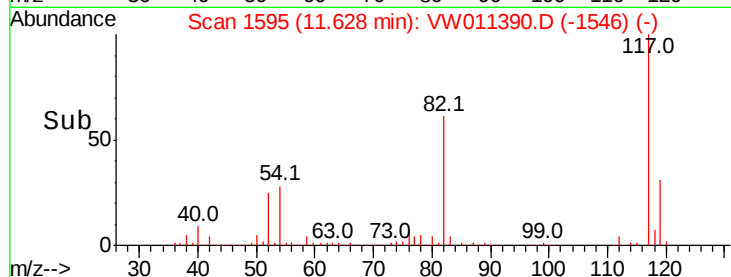
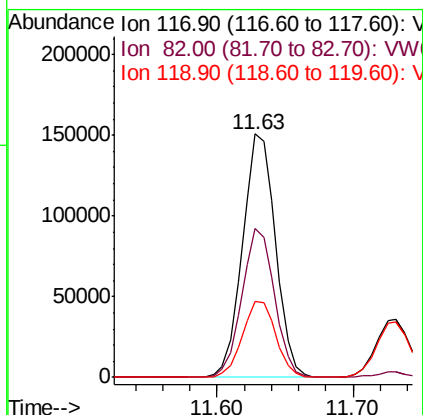
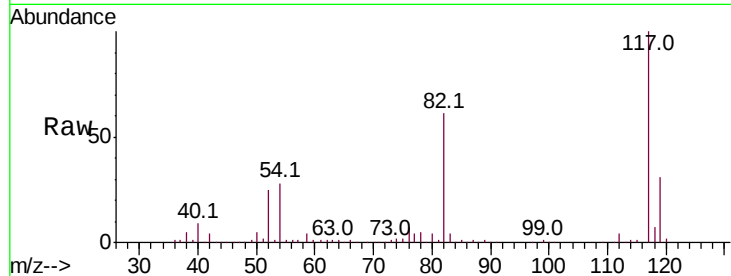
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	48.9	73.3
119	31.3	25.0	37.6

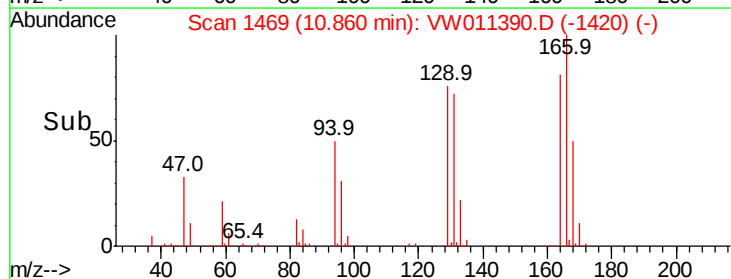
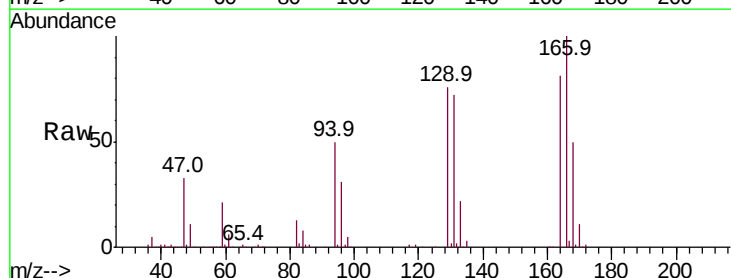
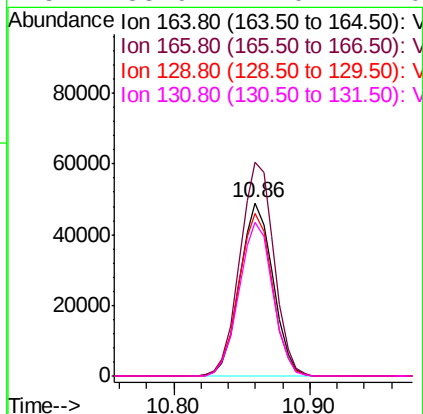
Manual Integrations
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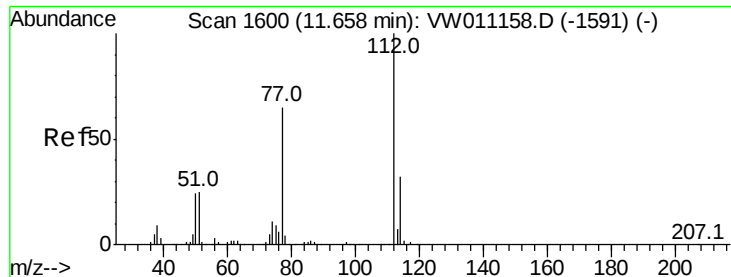
MMDadoda
7/22/2019 9:21:41 AM



#64
Tetrachloroethene
Concen: 48.351 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	99.7	149.5
129	93.8	76.2	114.2
131	88.9	74.0	111.0





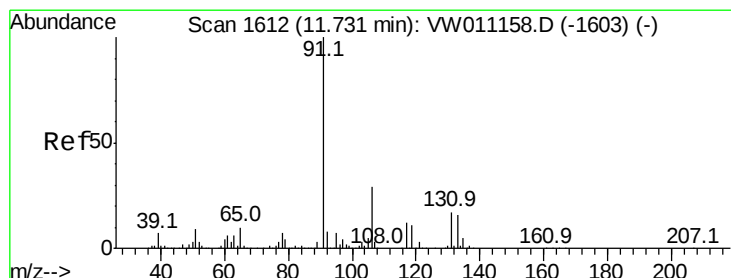
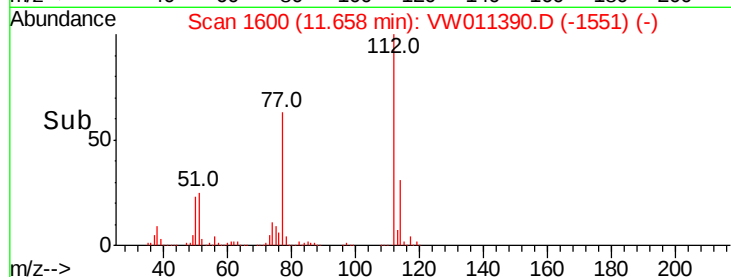
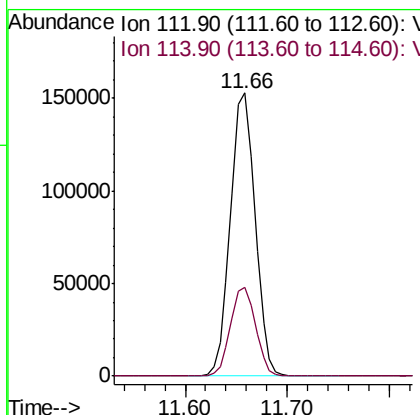
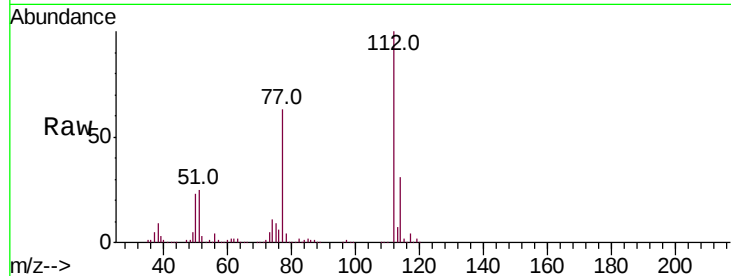
#65
Chlorobenzene
Concen: 49.307 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	256483		
114	31.5	25.5	38.3	

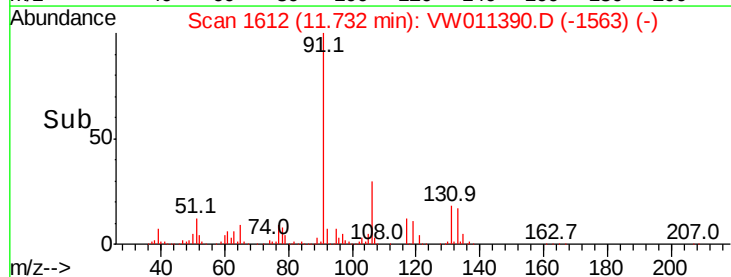
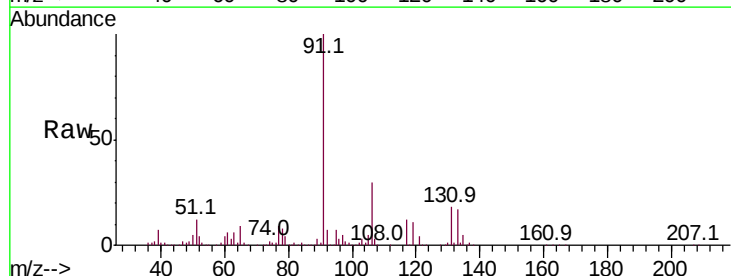
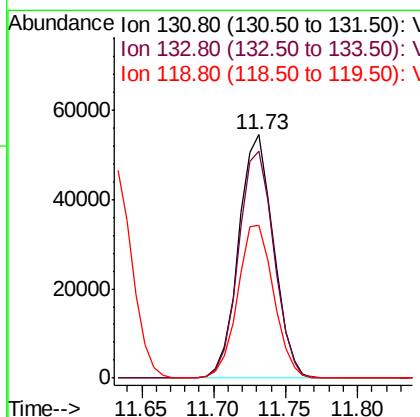
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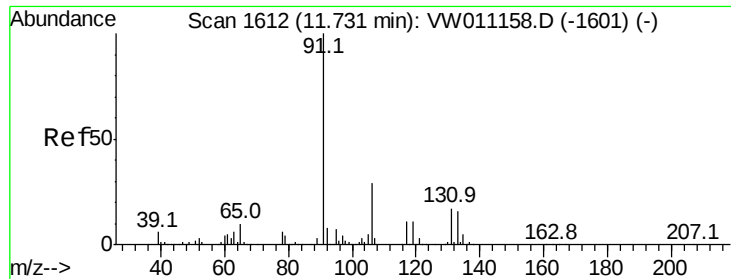
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.951 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	91488		
133	95.2	47.9	143.8	
119	64.9	33.1	99.2	





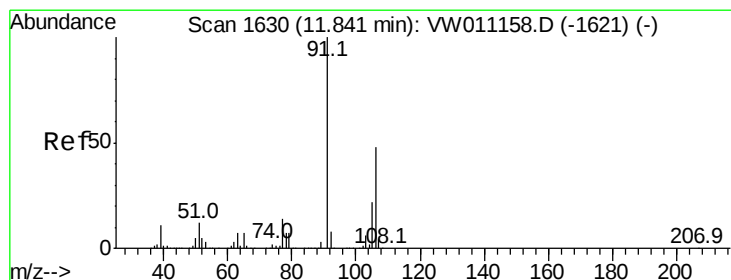
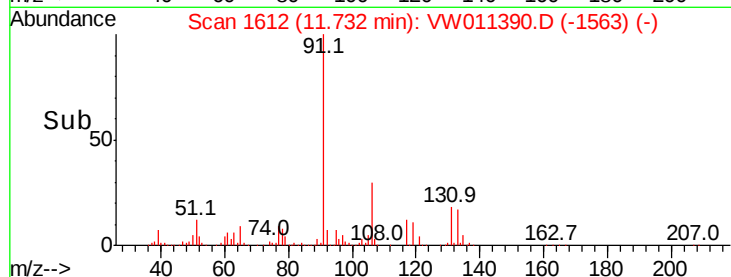
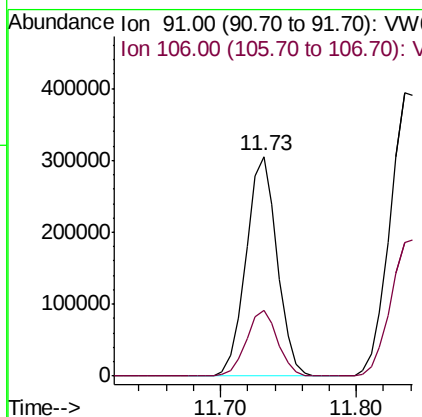
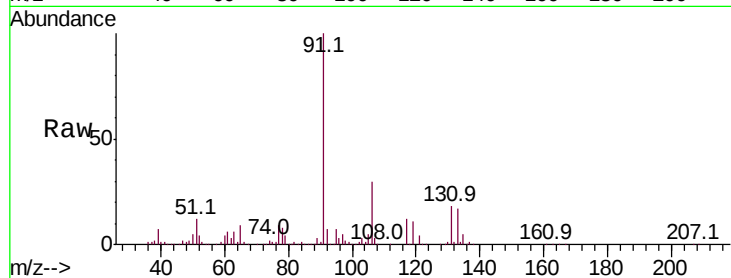
#67
Ethyl Benzene
Concen: 48.995 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 487892
Ion Ratio Lower Upper
91 100
106 30.0 23.5 35.3

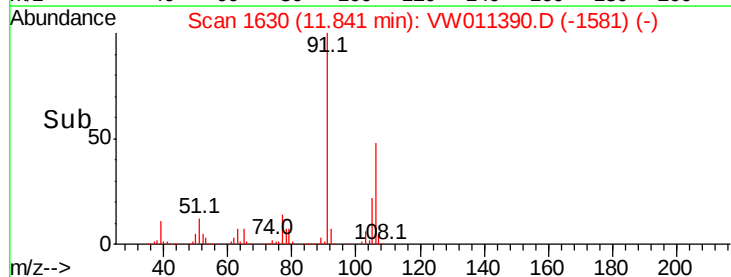
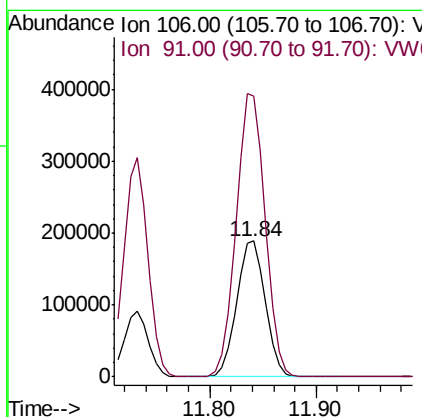
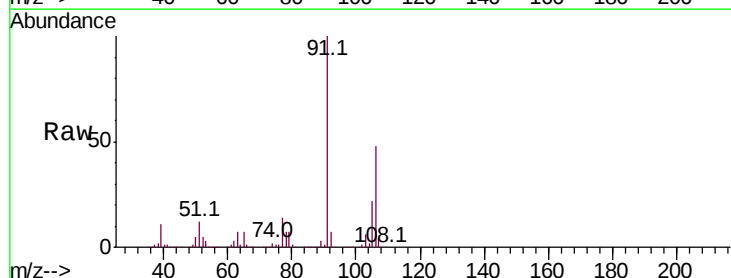
Manual Integrations
APPROVED

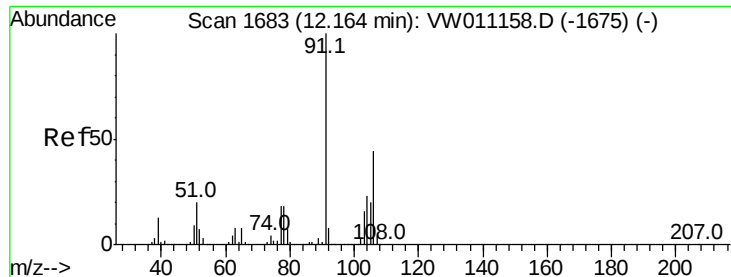
MMDadoda
7/22/2019 9:21:41 AM



#68
m/p-Xylenes
Concen: 98.716 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion: 106 Resp: 355697
Ion Ratio Lower Upper
106 100
91 211.2 167.7 251.5





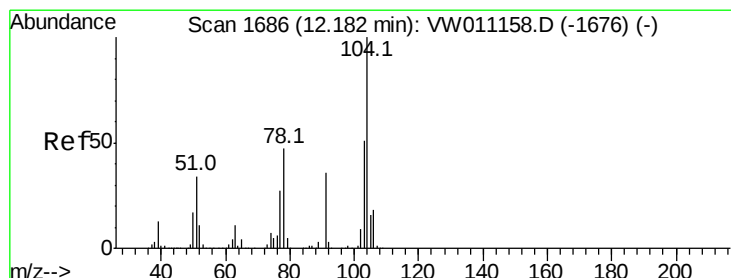
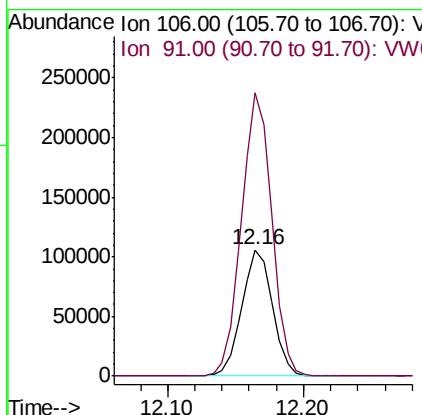
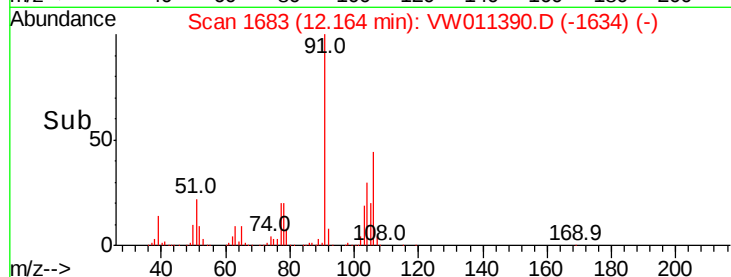
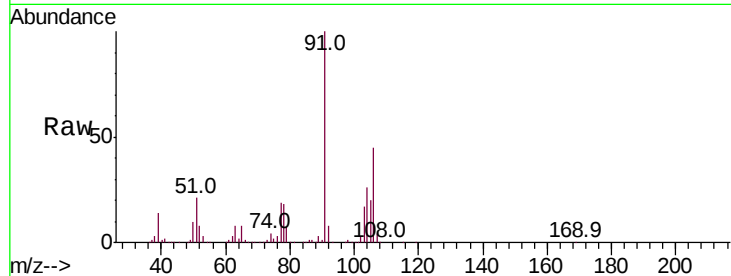
#69
o-Xylene
Concen: 49.267 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 167315
Ion Ratio Lower Upper
106 100
91 221.7 110.7 332.1

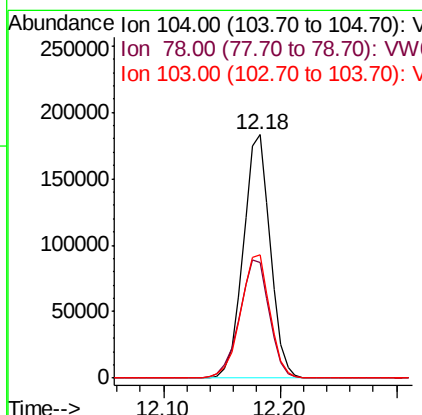
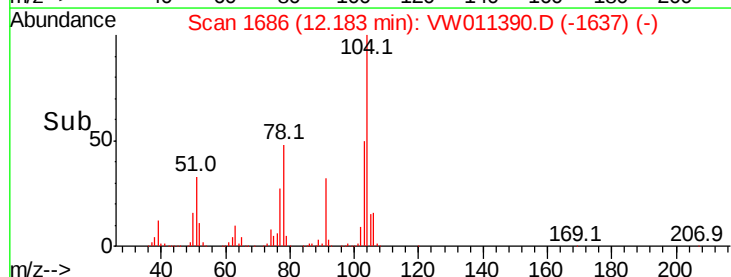
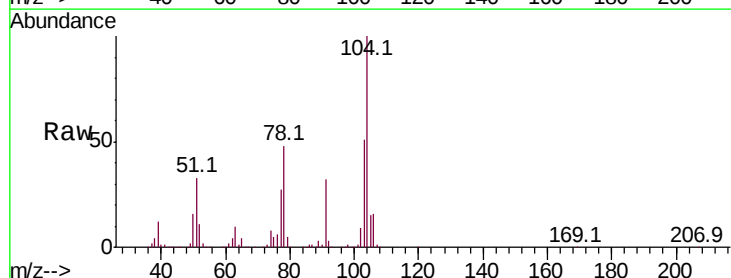
Manual Integrations
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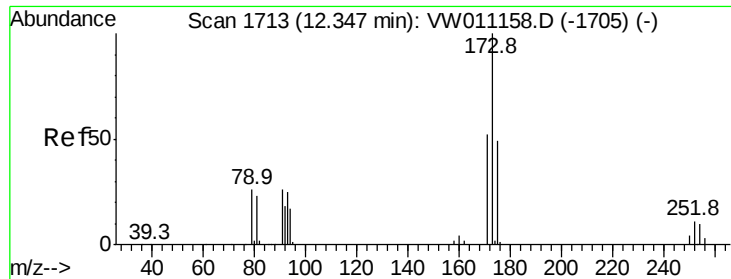
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#70
Styrene
Concen: 50.430 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion:104 Resp: 295572
Ion Ratio Lower Upper
104 100
78 53.6 43.1 64.7
103 54.9 44.1 66.1





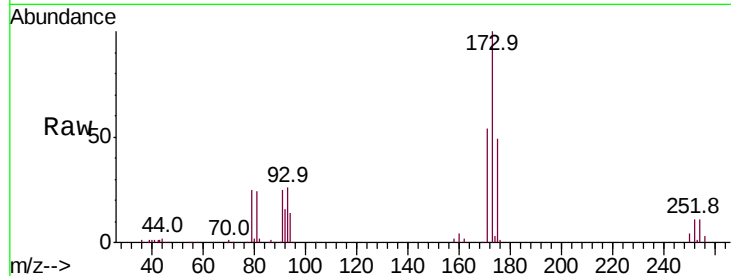
#71
Bromoform
Concen: 48.643 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

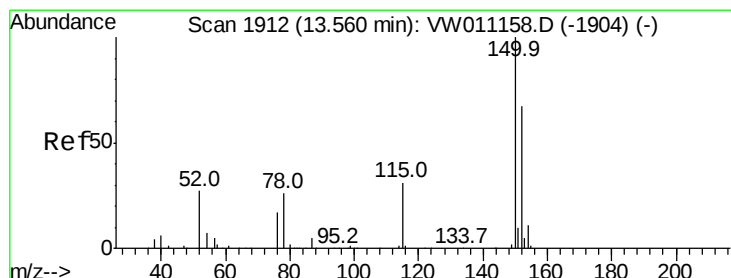
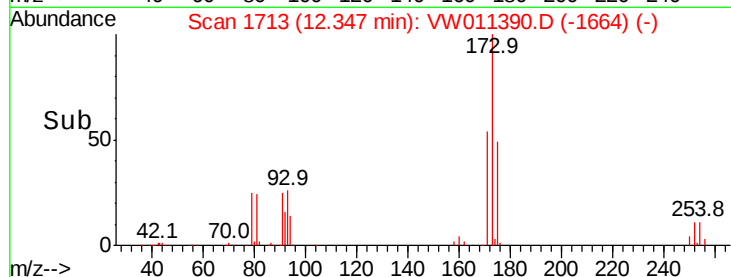
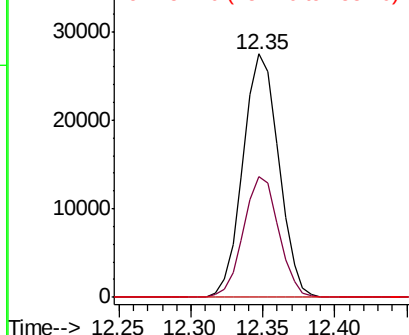
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.8	74.3
254	0.0	0.0	0.0

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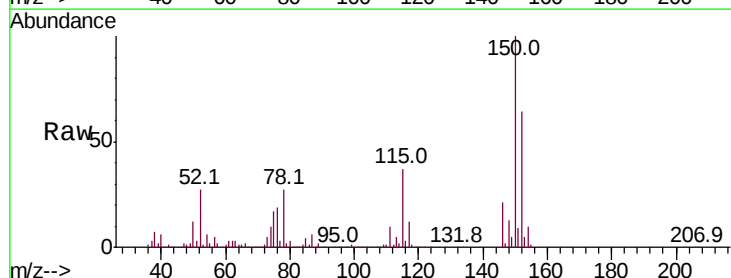


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

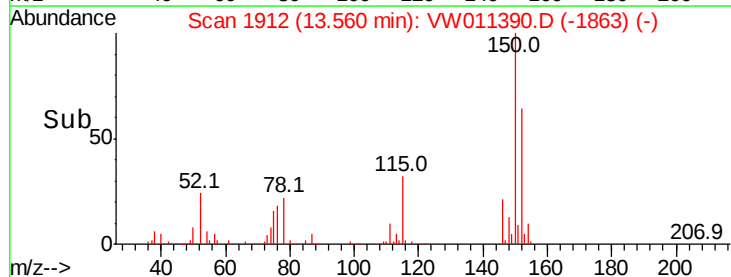
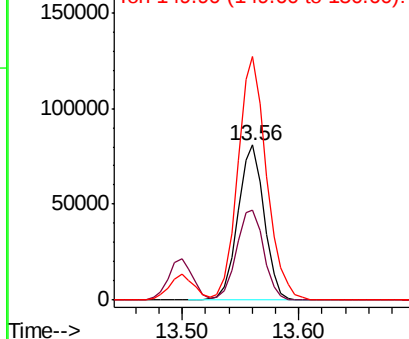


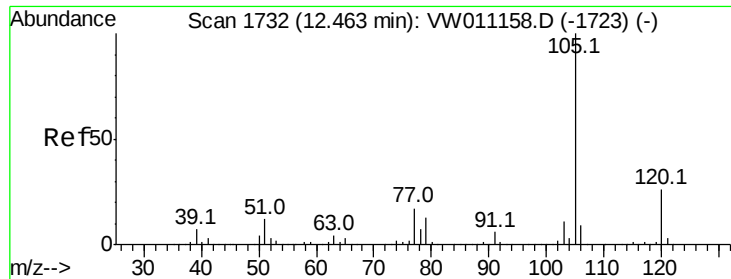
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.1	90.3
150	171.4	0.0	346.0



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





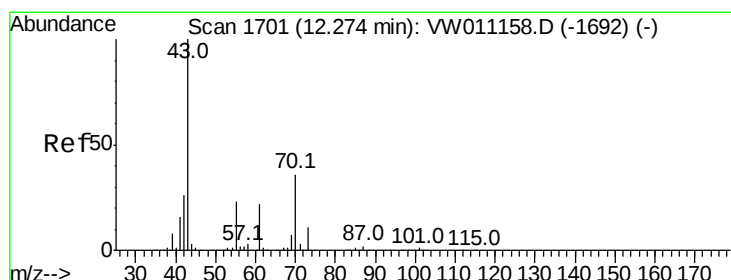
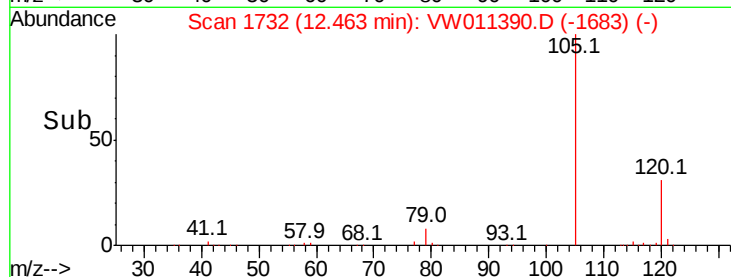
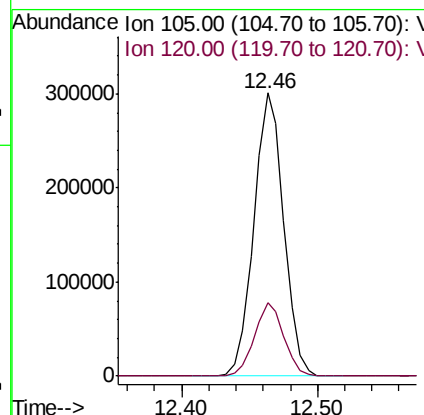
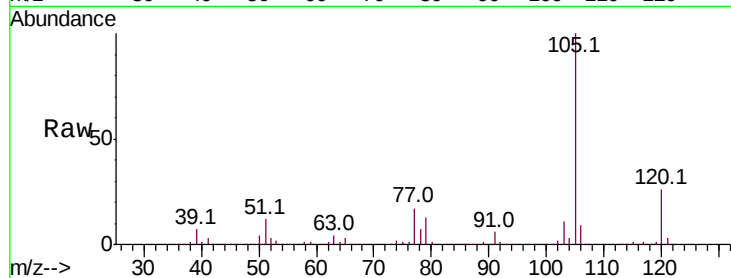
#73
Isopropylbenzene
Concen: 48.695 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 462063
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.3

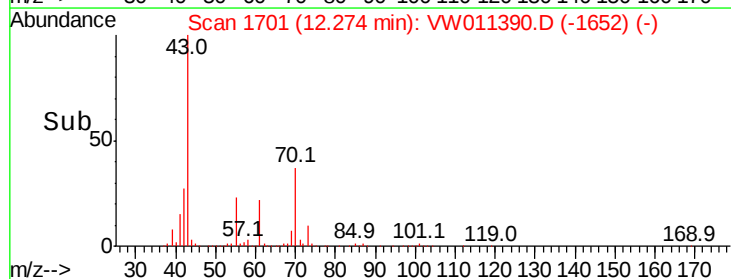
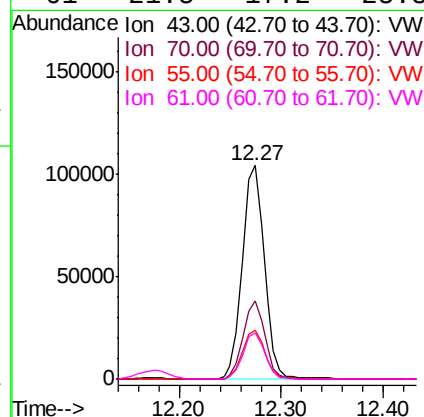
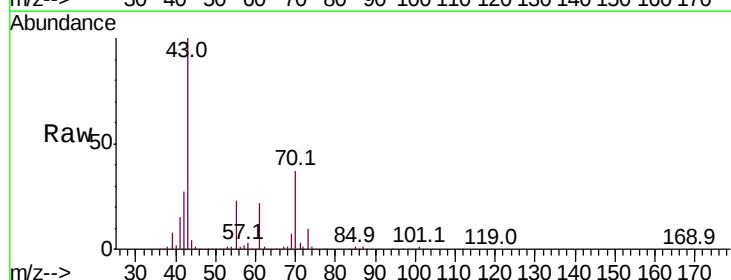
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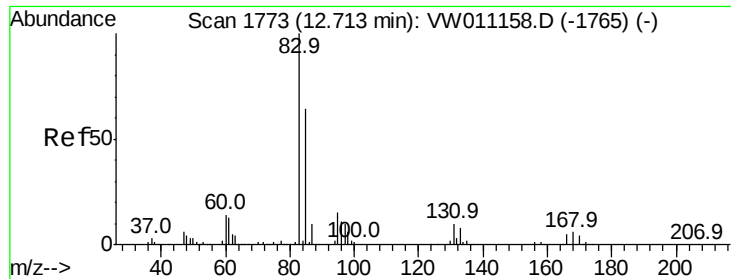
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#74
N-ethyl acetate
Concen: 47.284 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion: 43 Resp: 156260
Ion Ratio Lower Upper
43 100
70 35.8 28.5 42.7
55 23.3 18.1 27.1
61 21.5 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.993 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

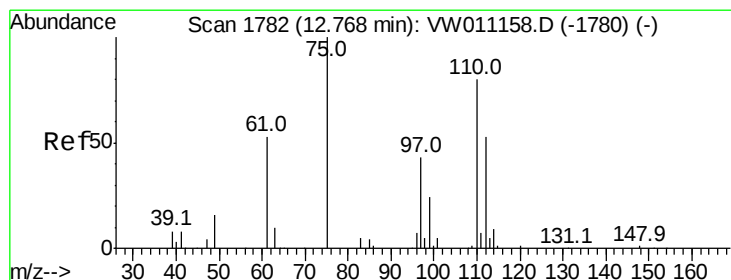
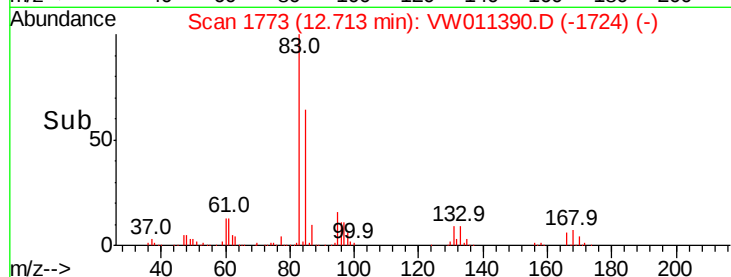
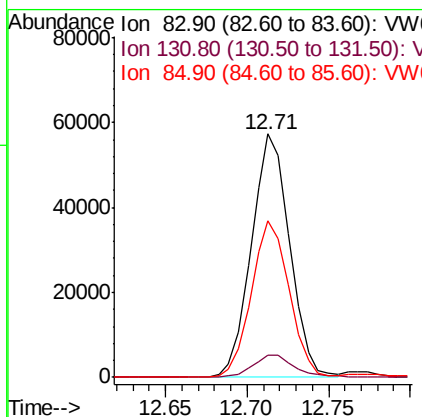
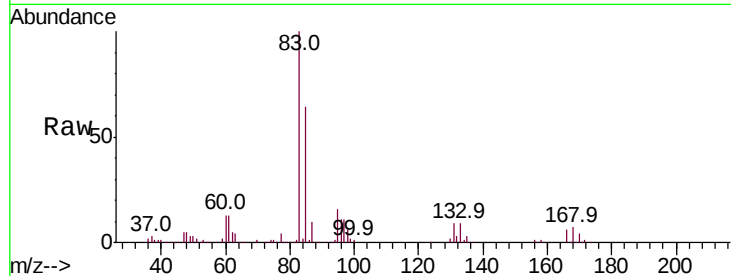
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	93351
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.7	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.454 ug/l m

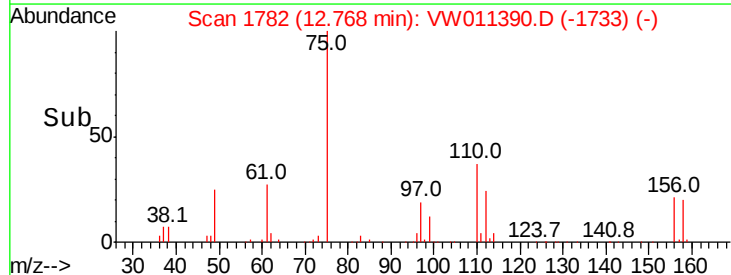
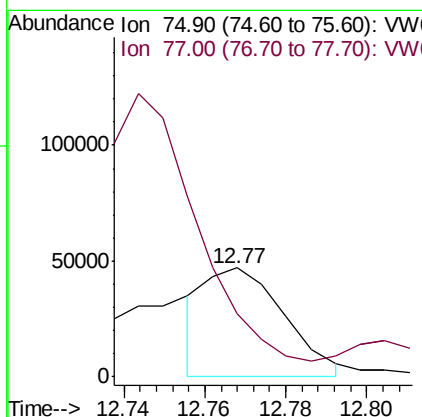
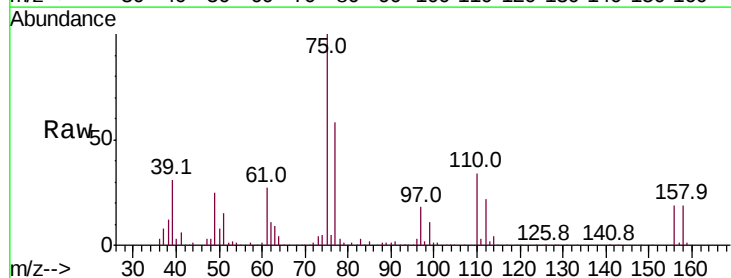
RT: 12.77 min Scan# 1782

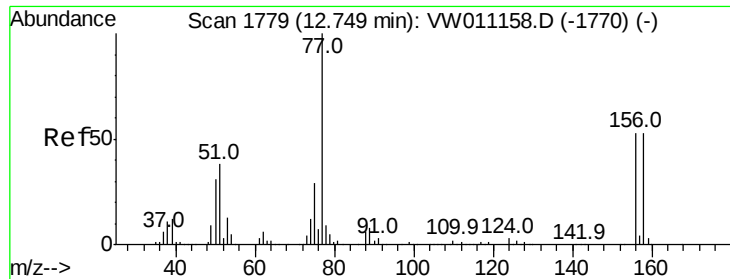
Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Tgt Ion:	75	Resp:	63742
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.802 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 103922

Ion Ratio Lower Upper

156 100

77 215.2 109.0 327.0

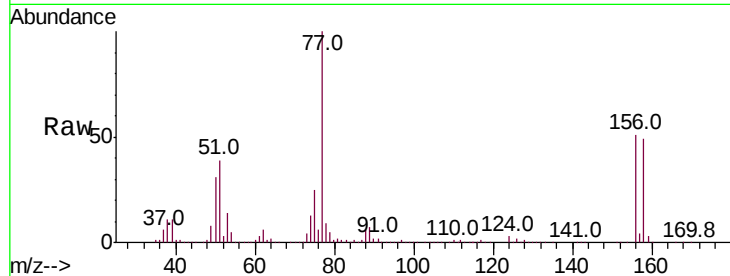
158 96.6 48.8 146.3

Manual Integrations

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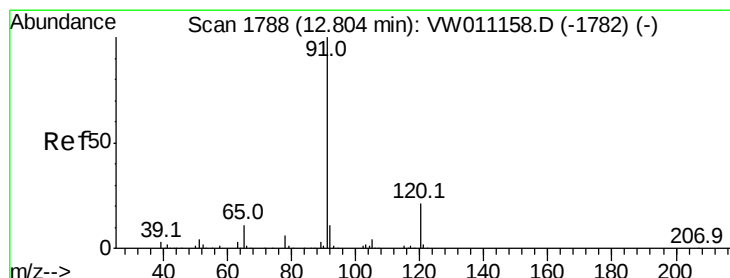
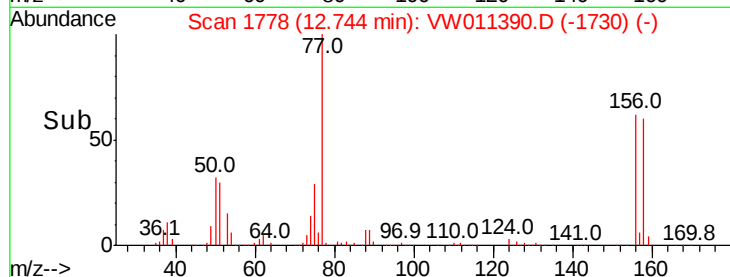
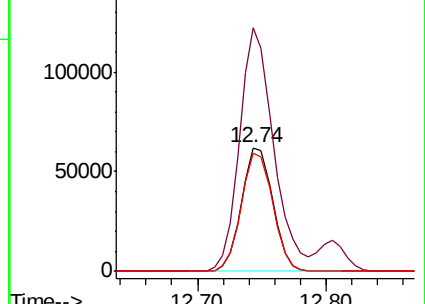
7/22/2019 9:21:41 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.721 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011390.D

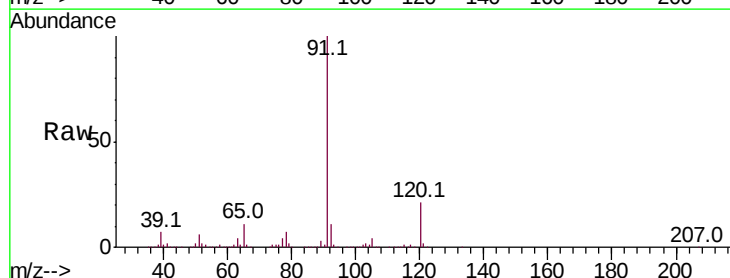
Acq: 19 Jul 2019 22:03

Tgt Ion: 91 Resp: 569493

Ion Ratio Lower Upper

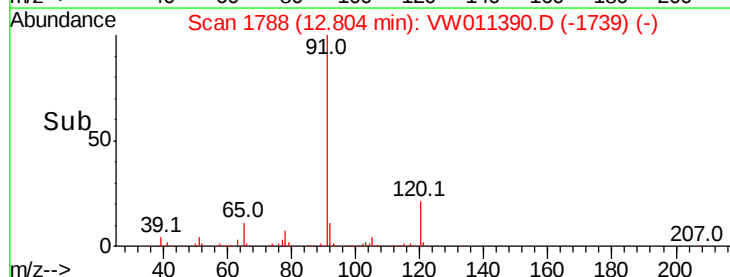
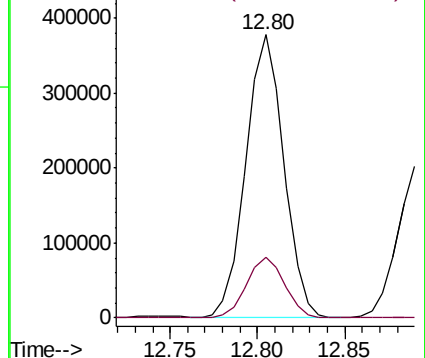
91 100

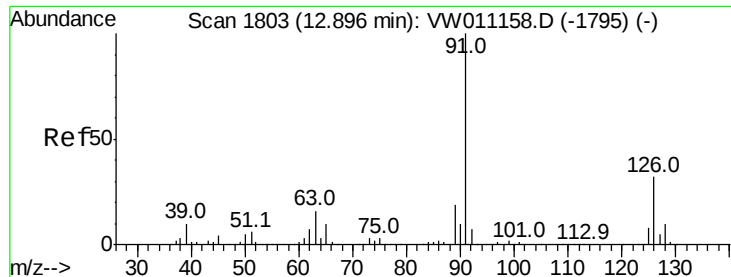
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





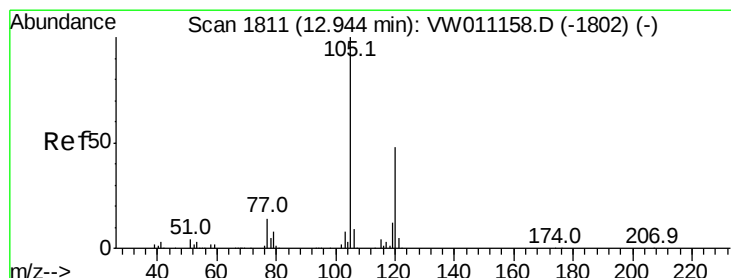
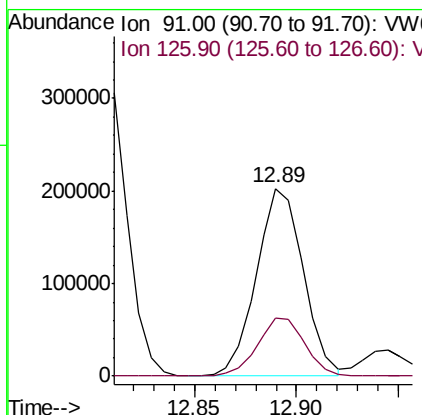
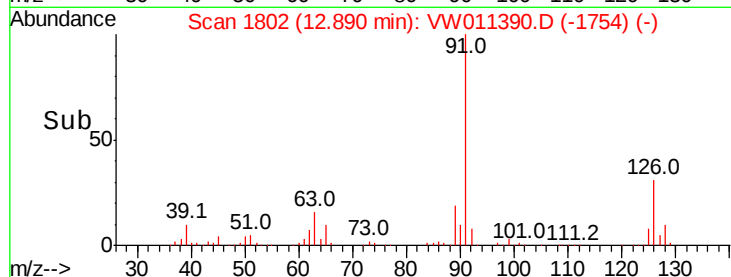
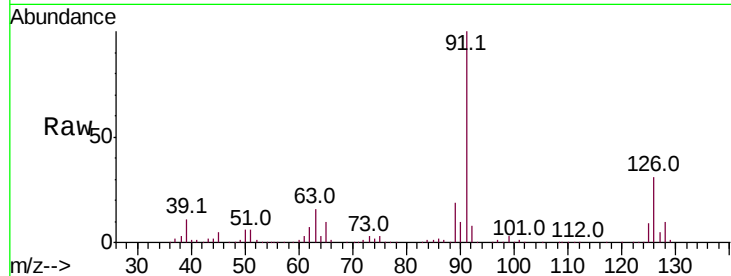
#79
 2-Chlorotoluene
 Concen: 48.265 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 324648
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.8 47.3

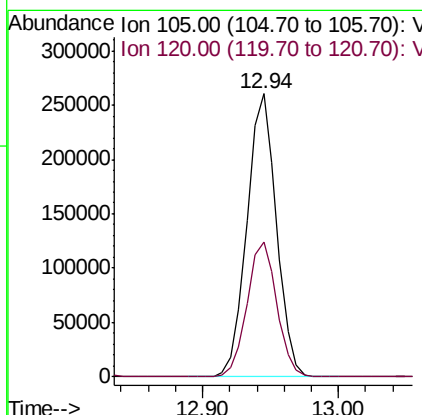
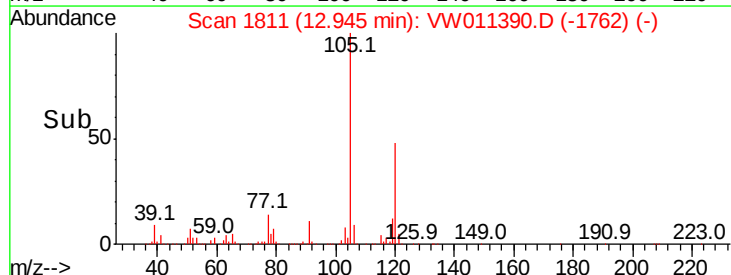
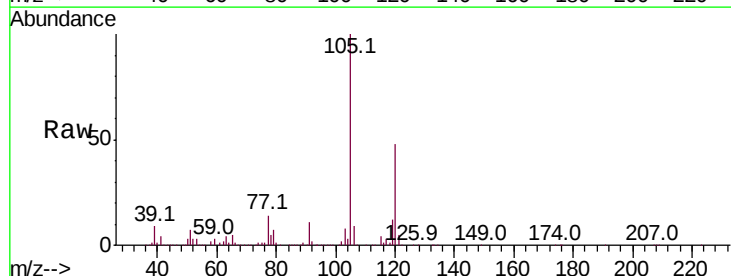
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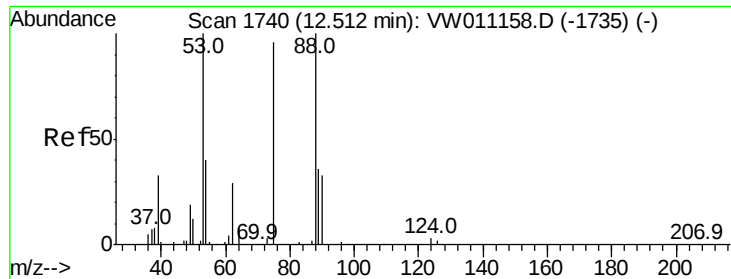
MMDadoda
 7/22/2019 9:21:41 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.940 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion: 105 Resp: 394518
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.2





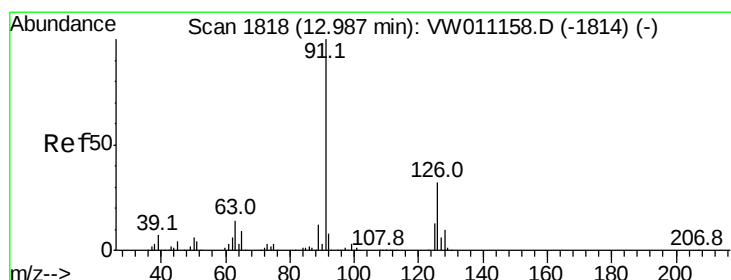
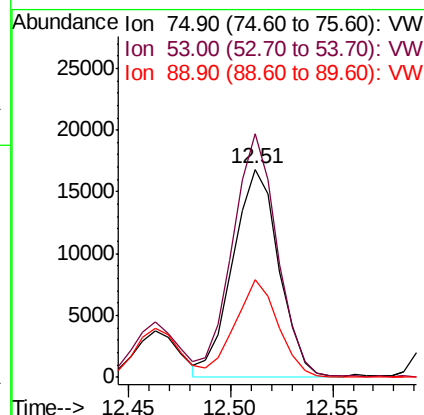
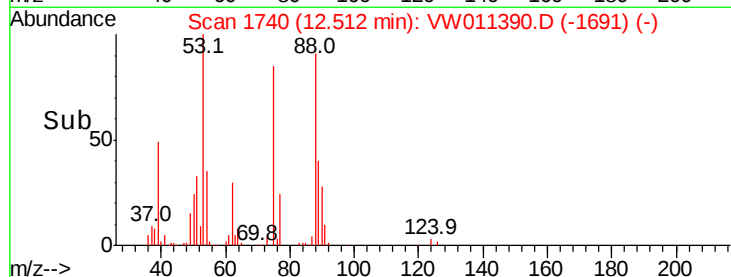
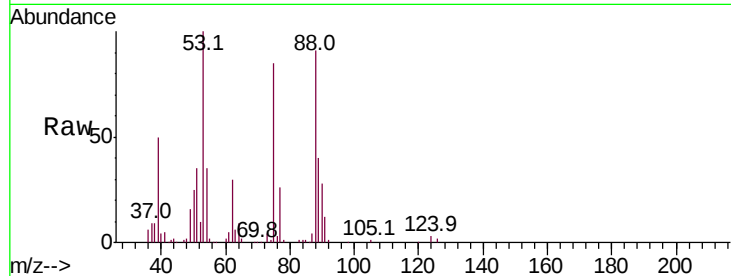
#81
trans-1,4-Dichloro-2-butene
Concen: 40.518 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.8	89.8	134.6
89	43.9	34.3	51.5

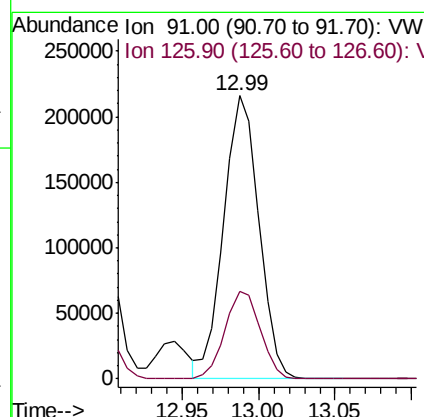
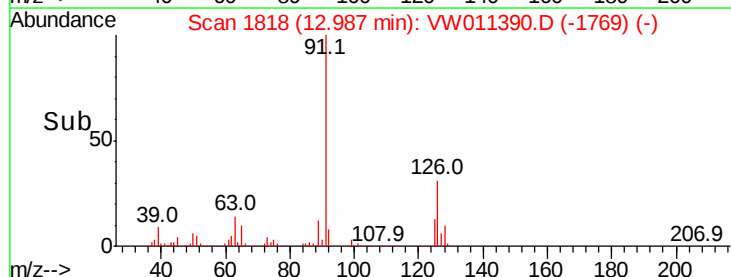
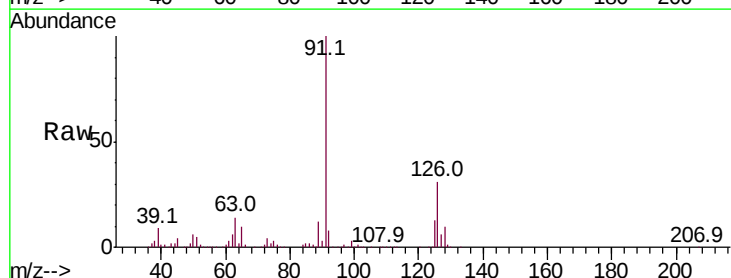
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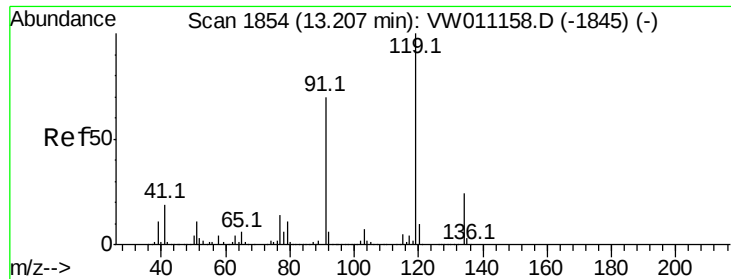
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.189 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1





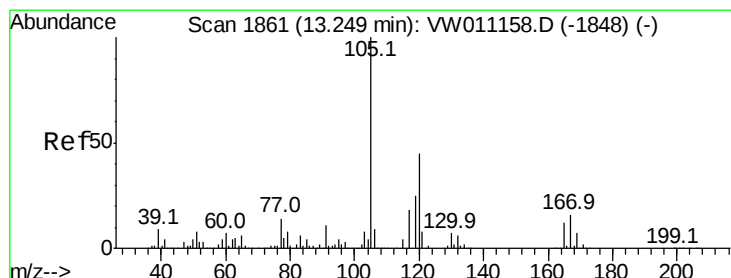
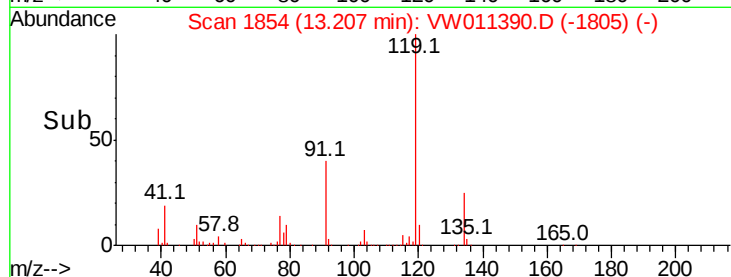
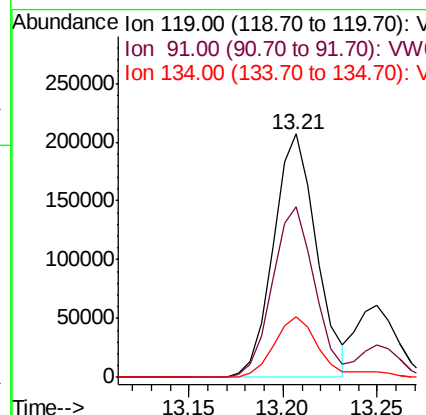
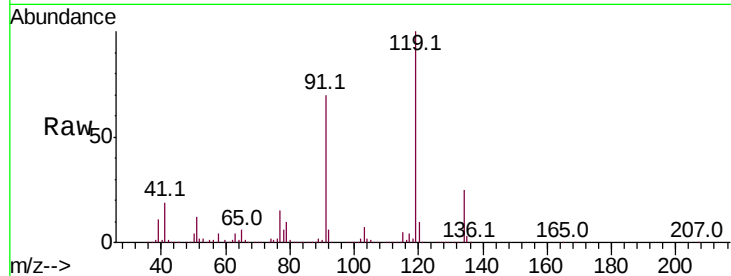
#83
tert-Butylbenzene
Concen: 48.767 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	35.4	106.3
134	25.0	13.4	40.2

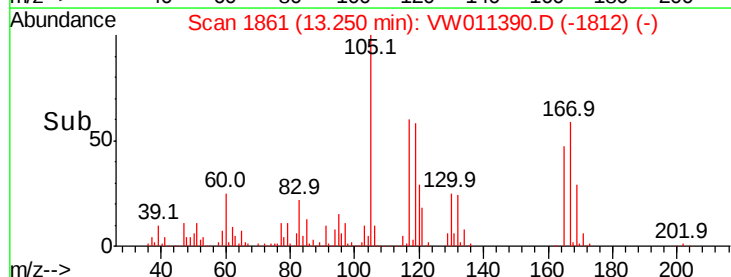
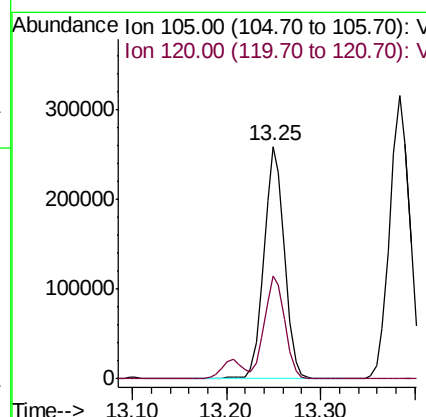
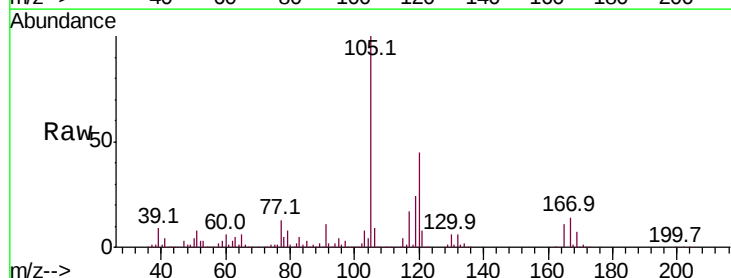
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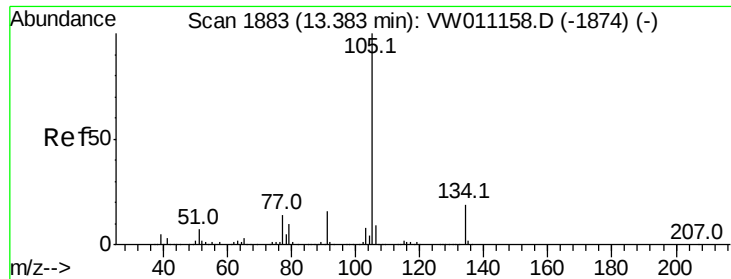
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.955 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.9





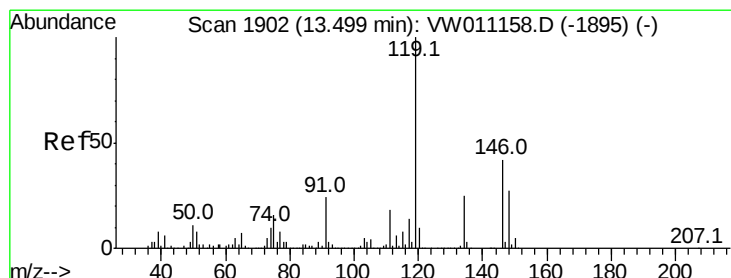
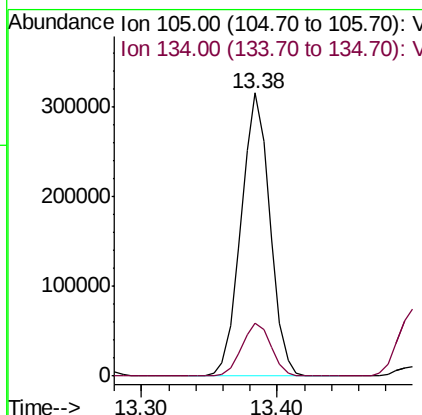
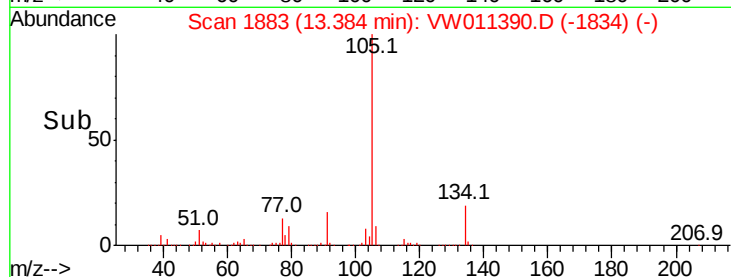
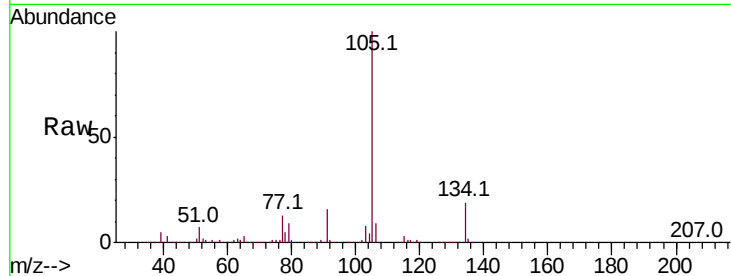
#85
 sec-Butylbenzene
 Concen: 48.224 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 467826
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 28.9

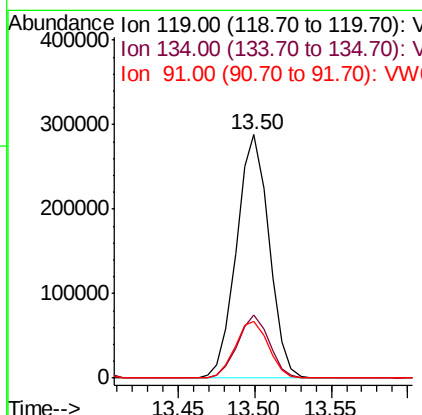
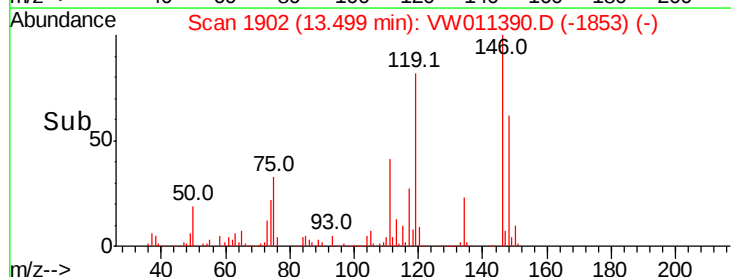
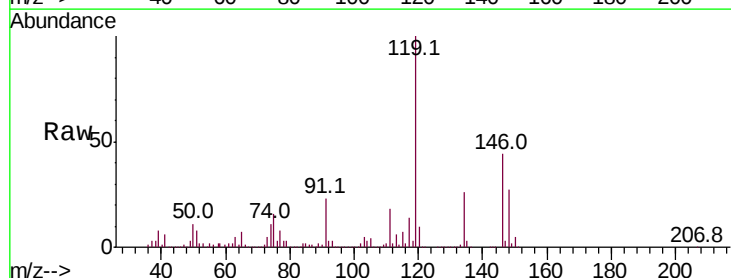
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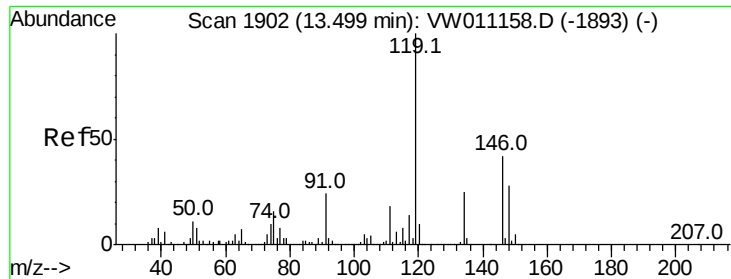
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#86
 p-Isopropyltoluene
 Concen: 48.828 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion:119 Resp: 424852
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.9 38.6
 91 23.9 12.3 36.8





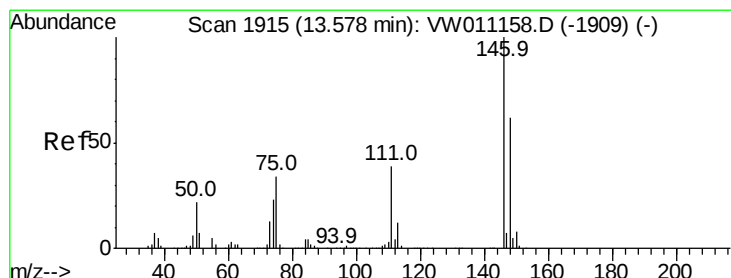
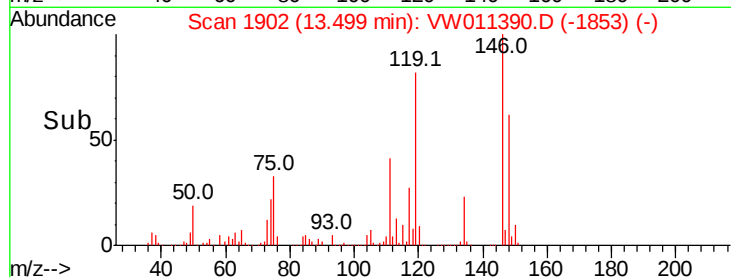
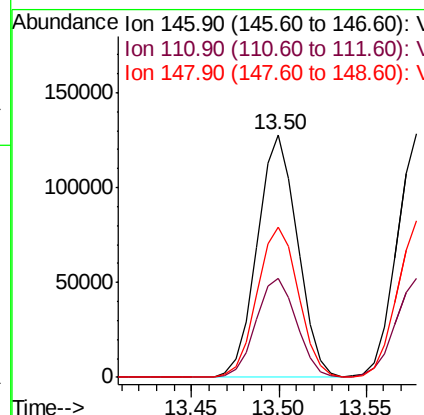
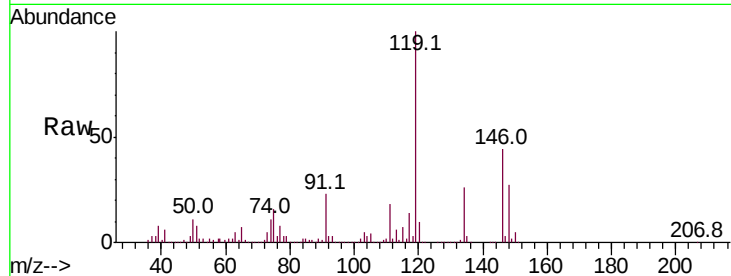
#87
 1,3-Dichlorobenzene
 Concen: 49.828 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	204152		
111	41.2	21.1	63.1	
148	63.4	32.6	97.7	

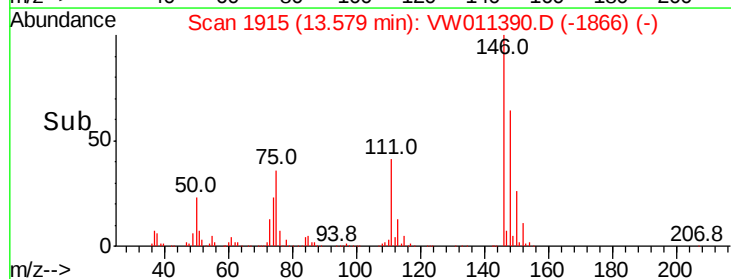
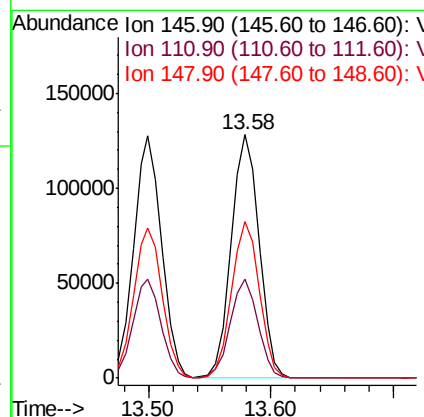
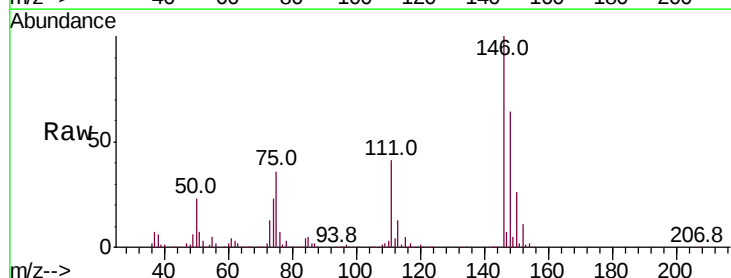
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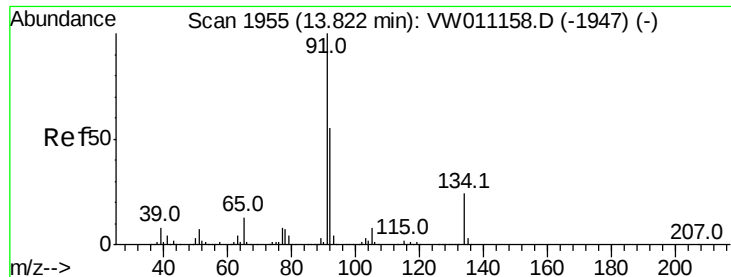
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 7/22/2019 9:21:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.797 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	201320		
111	40.5	19.9	59.7	
148	64.2	31.5	94.5	





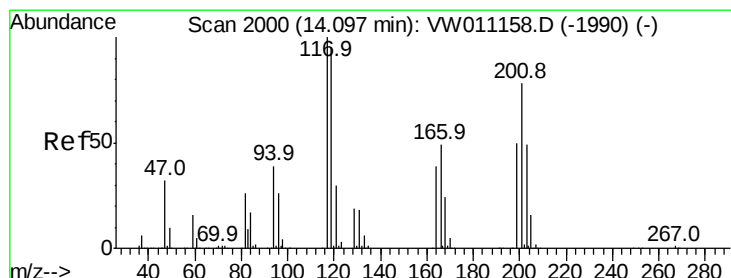
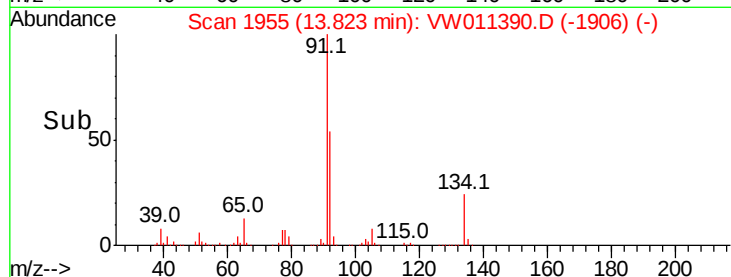
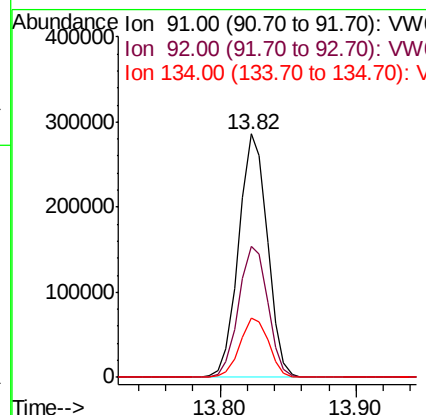
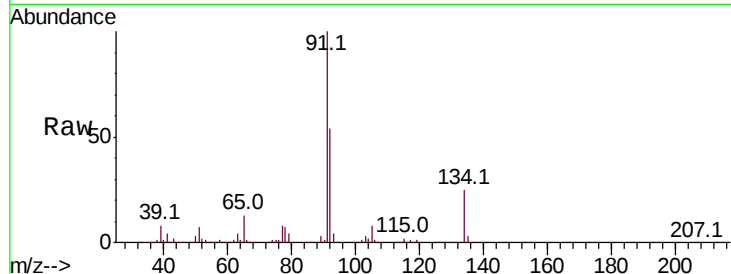
#89
n-Butylbenzene
Concen: 48.593 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	26.9	80.7
134	24.5	12.2	36.4

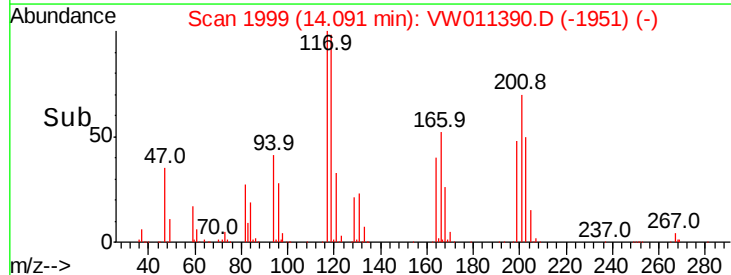
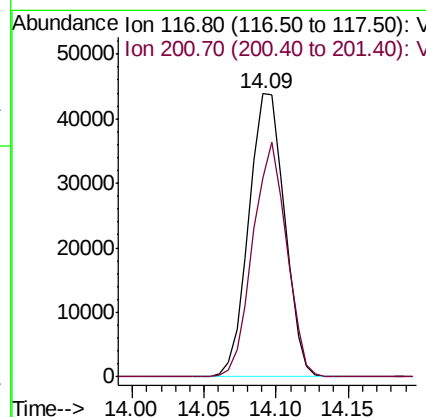
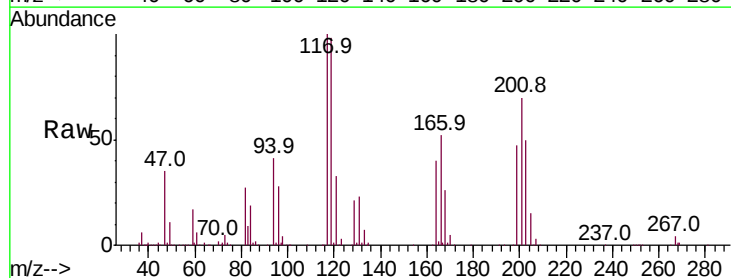
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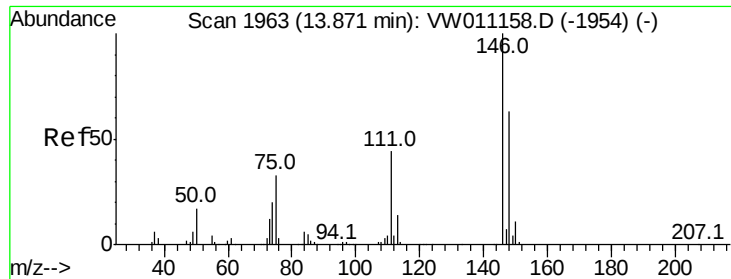
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#90
Hexachloroethane
Concen: 47.455 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.2	38.3	114.8





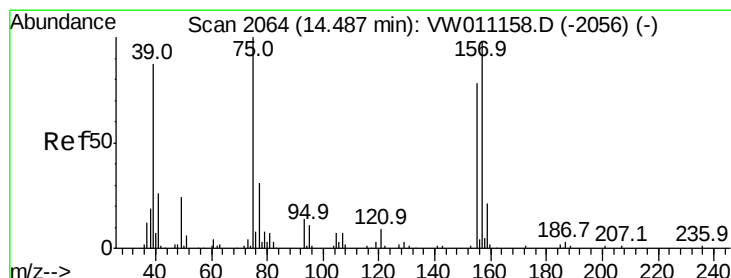
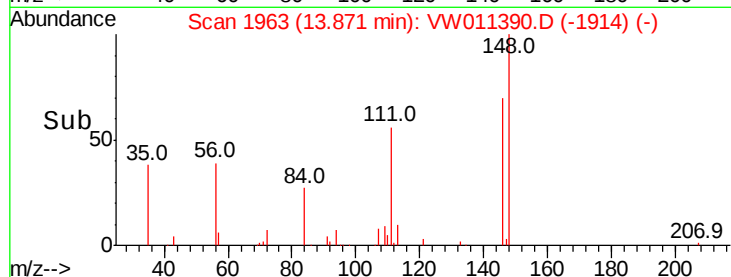
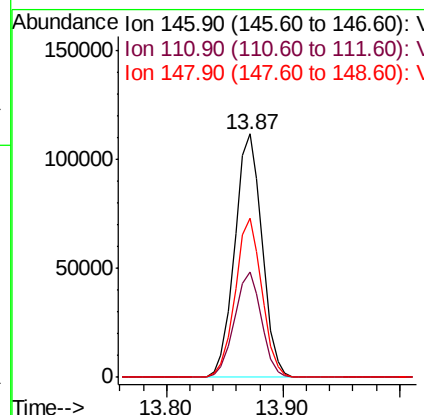
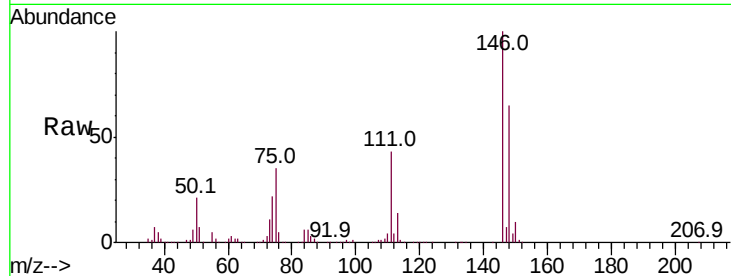
#91
 1,2-Dichlorobenzene
 Concen: 48.860 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181610		
111	42.8	21.6	65.0	
148	63.7	31.9	95.5	

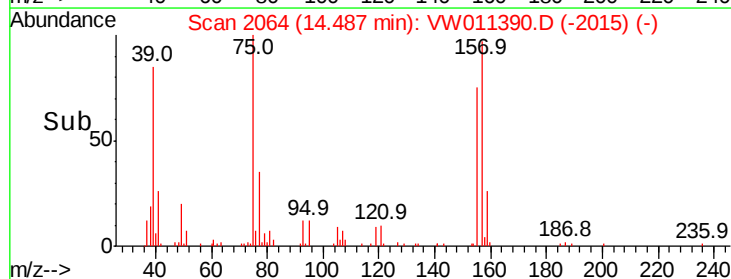
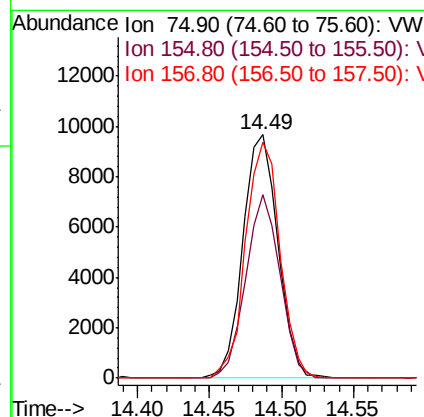
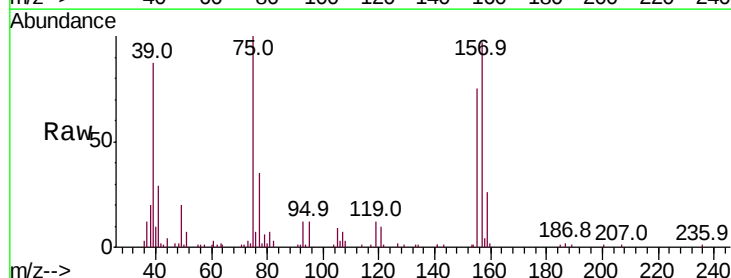
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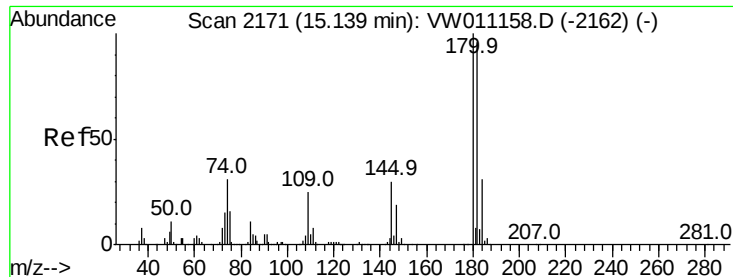
MMDadoda
 7/22/2019 9:21:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.224 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16293		
155	73.4	37.1	111.3	
157	94.9	48.5	145.6	





#93

1,2,4-Trichlorobenzene

Concen: 51.536 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.01 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

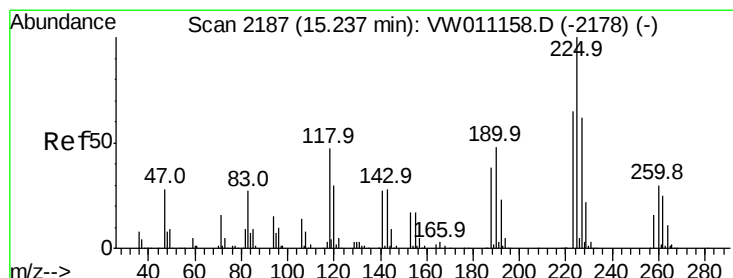
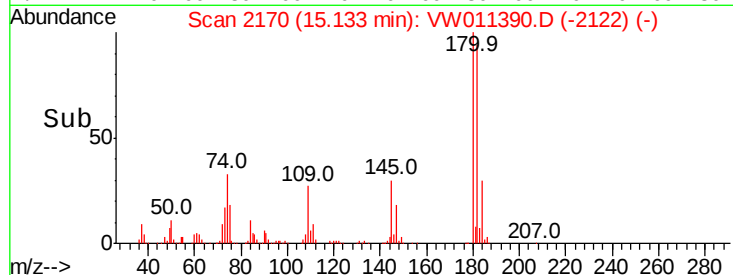
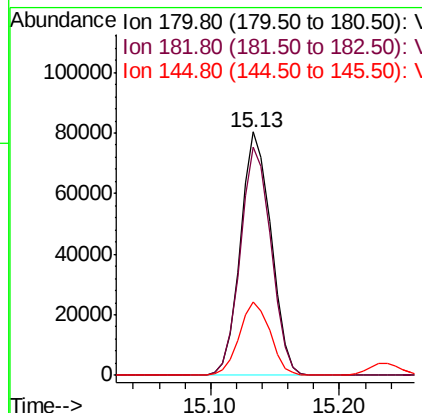
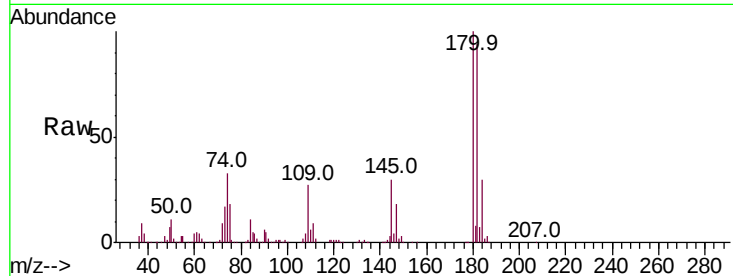
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	131939
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.3	144.9
145	30.4	15.5	46.5

Manual Integrations
APPROVED

MMDadoda
7/22/2019 9:21:41 AM



#94

Hexachlorobutadiene

Concen: 49.289 ug/l

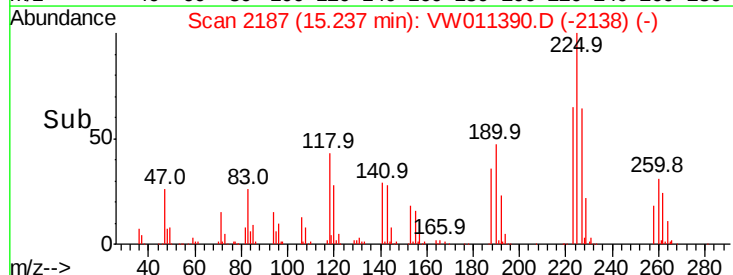
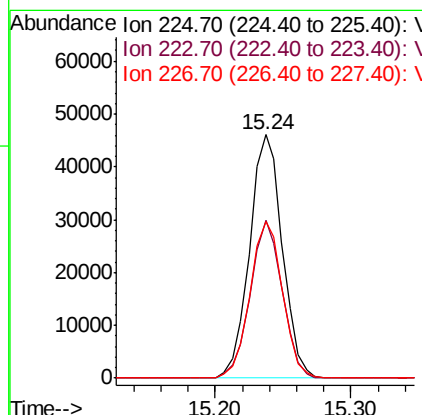
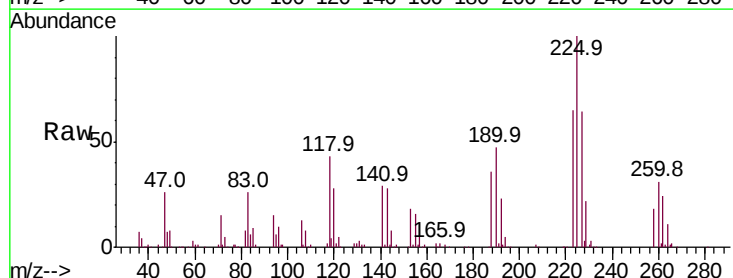
RT: 15.24 min Scan# 2187

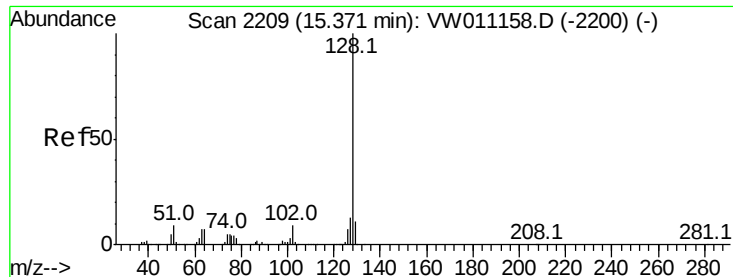
Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Tgt Ion:	225	Resp:	77471
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.6	95.0
227	64.3	32.0	96.0





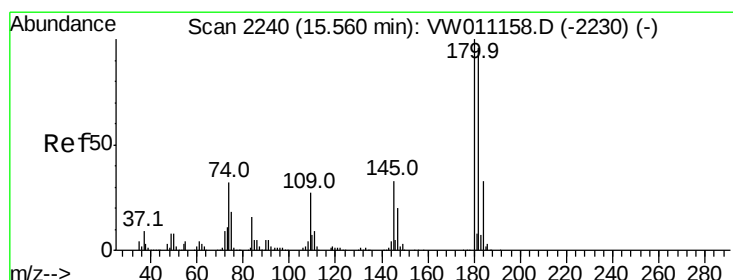
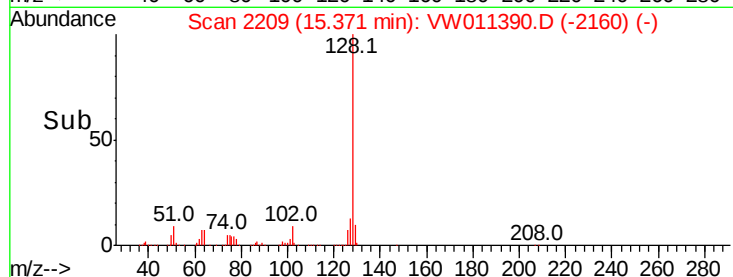
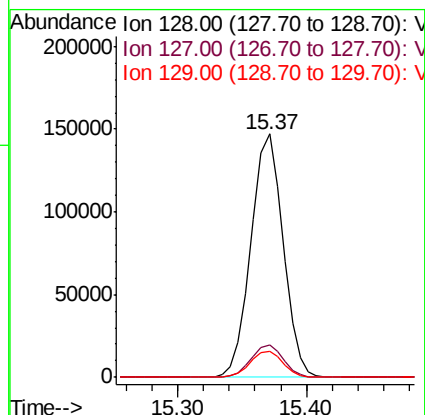
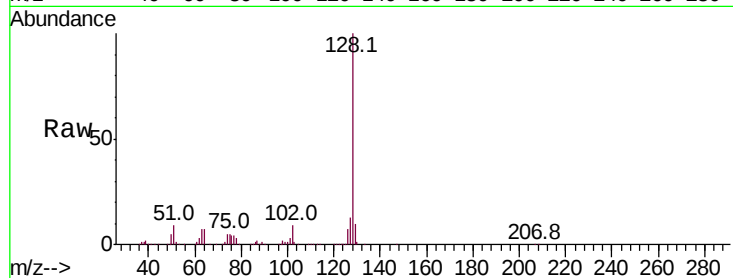
#95
Naphthalene
Concen: 51.755 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/22/2019 9:21:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.892 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.6	142.8
145	32.6	16.5	49.5

