

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011028.D
 Acq On : 27 Jun 2019 20:25
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:25:22 AM

Quant Time: Jun 28 08:49:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	148897	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.88	113	116299	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	10.32	98	473820	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	172323	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	74163	44.780	ug/l	100
3) Chloromethane	2.21	50	104769	47.189	ug/l	99
4) Vinyl Chloride	2.36	62	135398	46.838	ug/l	99
5) Bromomethane	2.77	94	71385	49.611	ug/l	98
6) Chloroethane	2.92	64	76338	50.088	ug/l	100
7) Trichlorofluoromethane	3.25	101	40073	47.173	ug/l	93
8) Diethyl Ether	3.67	74	72899	54.185	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116096	48.593	ug/l	99
10) Methyl Iodide	4.27	142	170474	50.999	ug/l	99
11) Tert butyl alcohol	5.17	59	50900	244.023	ug/l	99
12) 1,1-Dichloroethene	4.04	96	121353	48.798	ug/l	98
13) Acrolein	3.89	56	36240	222.800	ug/l	97
14) Allyl chloride	4.66	41	201620	50.373	ug/l	100
15) Acrylonitrile	5.36	53	176945	267.082	ug/l	100
16) Acetone	4.12	43	183831	262.228	ug/l	100
17) Carbon Disulfide	4.38	76	356152	50.481	ug/l	100
18) Methyl Acetate	4.67	43	88436	48.700	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	190909	54.238	ug/l	97
20) Methylene Chloride	4.92	84	138311	48.559	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	130310	50.851	ug/l	100
22) Diisopropyl ether	6.31	45	513058	53.267	ug/l	98
23) Vinyl Acetate	6.24	43	1642289	276.723	ug/l	99
24) 1,1-Dichloroethane	6.21	63	263116	51.752	ug/l	99
25) 2-Butanone	7.17	43	283372	265.927	ug/l	99
26) 2,2-Dichloropropane	7.16	77	118362	44.839	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	143638	52.058	ug/l	98
28) Bromochloromethane	7.51	49	113011	47.748	ug/l	100
29) Tetrahydrofuran	7.52	42	177445	267.500	ug/l	99
30) Chloroform	7.67	83	237491	51.417	ug/l	99
31) Cyclohexane	7.95	56	261359	47.575	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	176742	51.207	ug/l	99
36) 1,1-Dichloropropene	8.08	75	194672	49.222	ug/l	100
37) Ethyl Acetate	7.25	43	120745	52.480	ug/l	98
38) Carbon Tetrachloride	8.07	117	164197	50.413	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	244561	50.246	ug/l	99
40) Benzene	8.32	78	550110	50.571	ug/l	100
41) Methacrylonitrile	7.48	41	67816	48.446	ug/l	91
42) 1,2-Dichloroethane	8.40	62	183069	51.328	ug/l	99
43) Isopropyl Acetate	8.42	43	234056	53.775	ug/l	99
44) Trichloroethene	9.09	130	130616	49.684	ug/l	99
45) 1,2-Dichloropropane	9.37	63	150177	50.838	ug/l	99
46) Dibromomethane	9.46	93	71663	51.872	ug/l	100
47) Bromodichloromethane	9.64	83	181569	53.083	ug/l	99
48) Methyl methacrylate	9.43	41	112562	53.337	ug/l	99
49) 1,4-Dioxane	9.44	88	24726	1064.451	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	613142	267.617	ug/l	100
52) Toluene	10.38	92	340273	51.093	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	191780	53.829	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	226007	53.178	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	101945	52.230	ug/l	98
56) Ethyl methacrylate	10.65	69	161152	55.136	ug/l	98
57) 1,3-Dichloropropane	10.93	76	193639	52.154	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	375702	254.050	ug/l	99
59) 2-Hexanone	10.97	43	433290	271.187	ug/l	99
60) Dibromochloromethane	11.13	129	110738	54.103	ug/l	98
61) 1,2-Dibromoethane	11.23	107	96138	52.614	ug/l	99
64) Tetrachloroethene	10.86	164	118388	51.837	ug/l	97
65) Chlorobenzene	11.66	112	341578	50.281	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	121502	52.678	ug/l	98
67) Ethyl Benzene	11.73	91	655590	50.386	ug/l	100
68) m/p-Xylenes	11.84	106	474044	100.405	ug/l	99
69) o-Xylene	12.16	106	224184	50.979	ug/l	100
70) Styrene	12.18	104	395384	51.740	ug/l	99
71) Bromoform	12.35	173	60884	54.147	ug/l #	98
73) Isopropylbenzene	12.46	105	613573	50.900	ug/l	100
74) N-amyl acetate	12.27	43	222383	54.932	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123777	52.289	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	84675m	49.844	ug/l	
77) Bromobenzene	12.75	156	136955	51.689	ug/l	99
78) n-propylbenzene	12.80	91	759528	50.881	ug/l	99
79) 2-Chlorotoluene	12.89	91	430997	50.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	525638	51.447	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	38335	48.177	ug/l	99
82) 4-Chlorotoluene	12.99	91	452103	50.870	ug/l	100
83) tert-Butylbenzene	13.21	119	438946	51.520	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	529739	51.296	ug/l	99
85) sec-Butylbenzene	13.38	105	627744	50.719	ug/l	99
86) p-Isopropyltoluene	13.50	119	567458	50.949	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	266334	50.816	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	264874	50.626	ug/l	98
89) n-Butylbenzene	13.82	91	578315	51.085	ug/l	100
90) Hexachloroethane	14.10	117	99676	52.304	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	239454	50.868	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21570	53.617	ug/l	98

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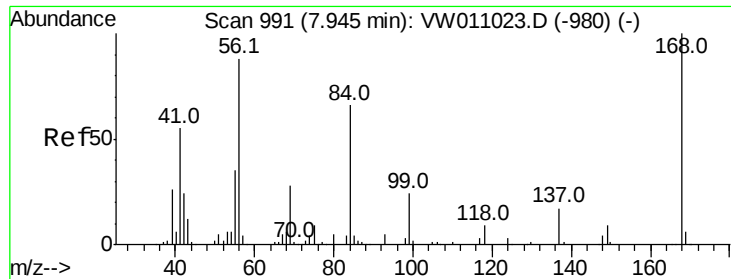
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	172174	51.985	ug/l	100
94) Hexachlorobutadiene	15.24	225	101474	50.515	ug/l	100
95) Naphthalene	15.37	128	344554	55.383	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	153924	52.048	ug/l	100

(#) = 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: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 219694

Ion Ratio Lower Upper

168 100

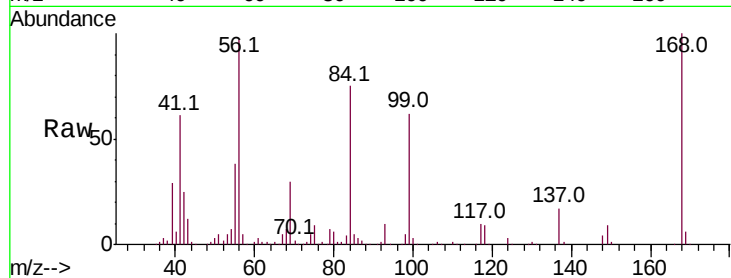
99 61.7 47.8 71.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

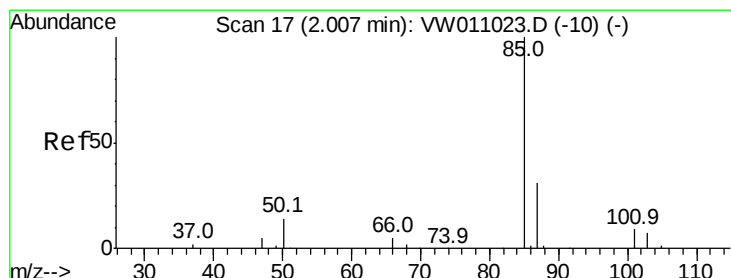
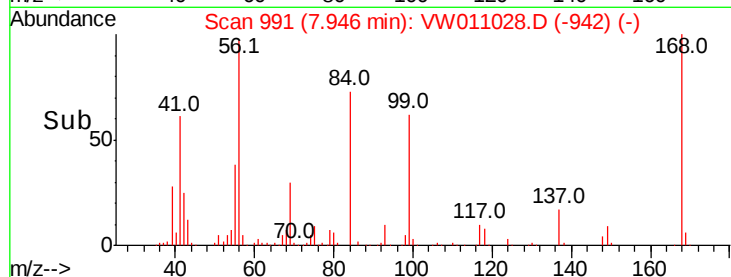
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 44.780 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011028.D

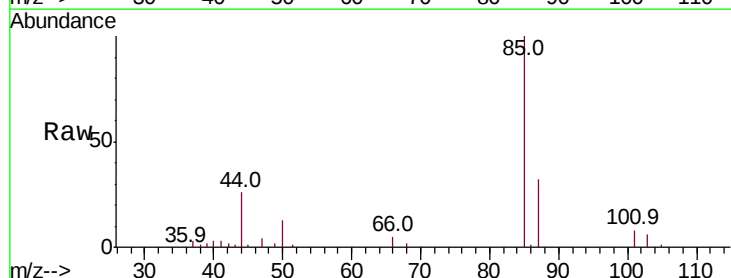
Acq: 27 Jun 2019 20:25

Tgt Ion: 85 Resp: 74163

Ion Ratio Lower Upper

85 100

87 31.6 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

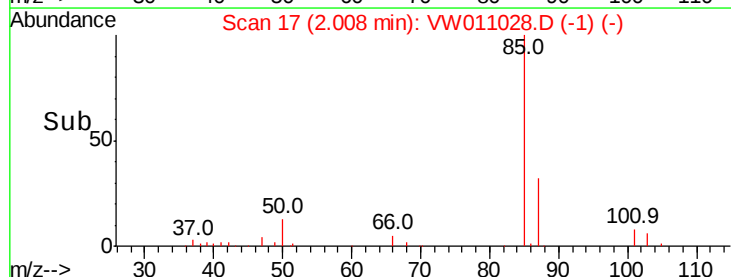
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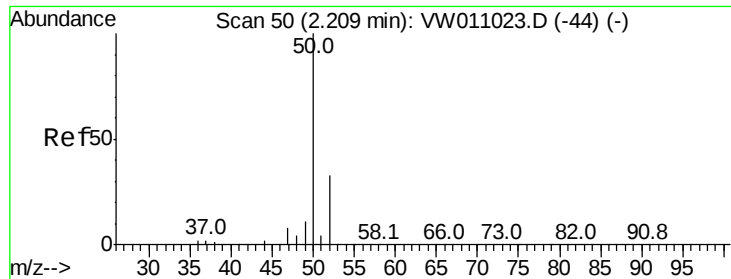
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 47.189 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 104769

Ion Ratio Lower Upper

50 100

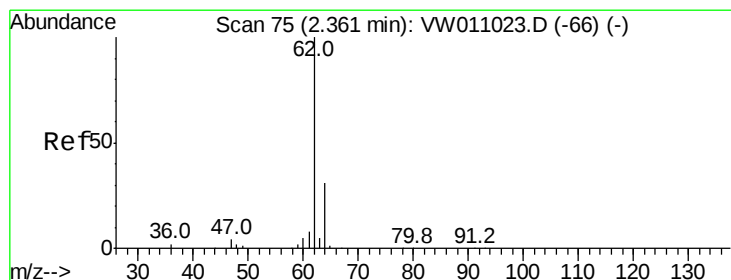
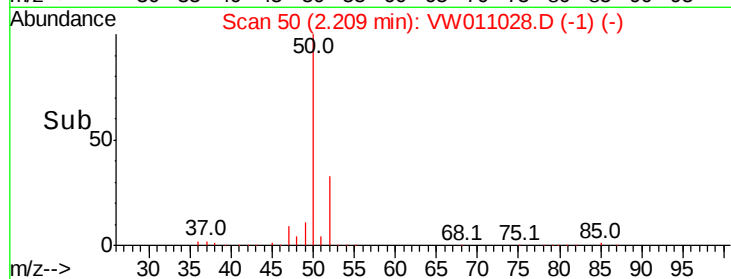
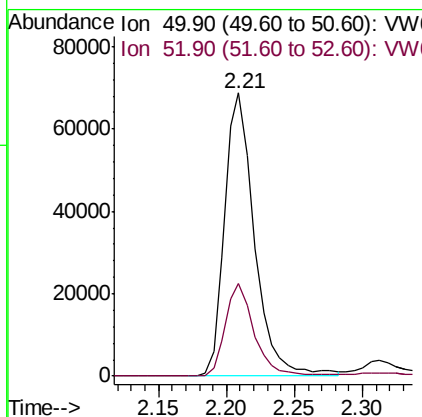
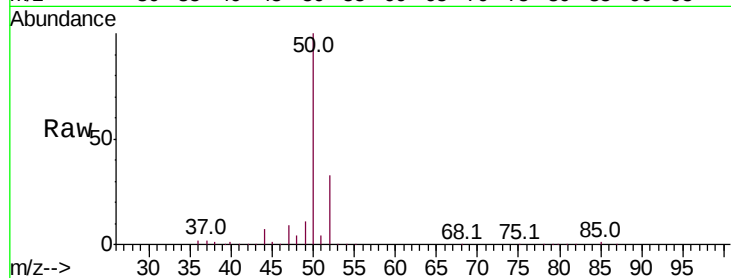
52 32.6 26.6 40.0

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#4

Vinyl Chloride

Concen: 46.838 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011028.D

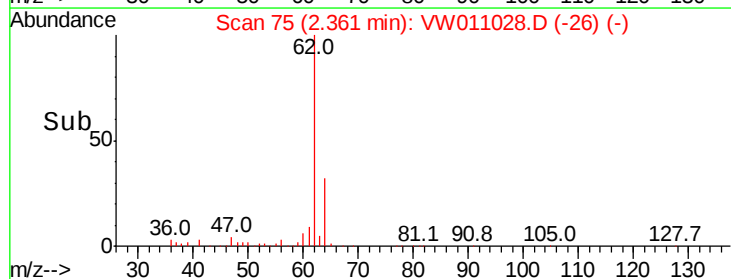
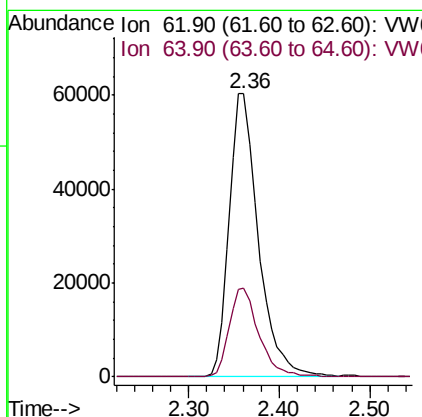
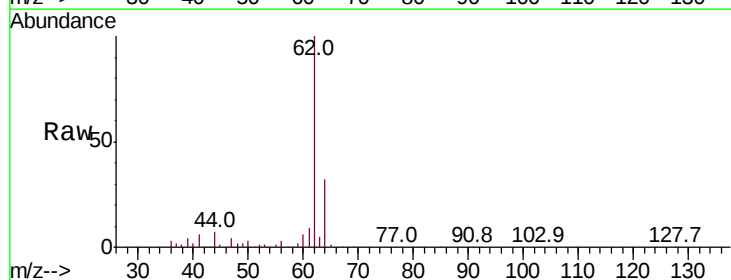
Acq: 27 Jun 2019 20:25

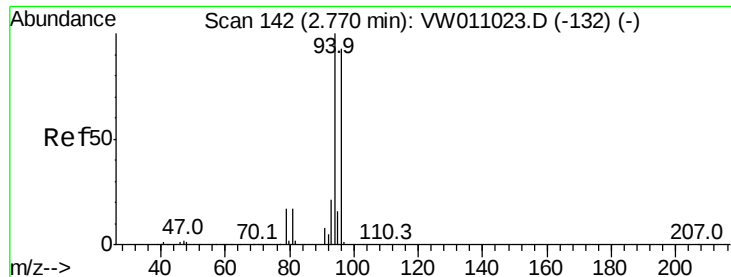
Tgt Ion: 62 Resp: 135398

Ion Ratio Lower Upper

62 100

64 31.4 24.8 37.2





#5

Bromomethane

Concen: 49.611 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 71385

Ion Ratio Lower Upper

94 100

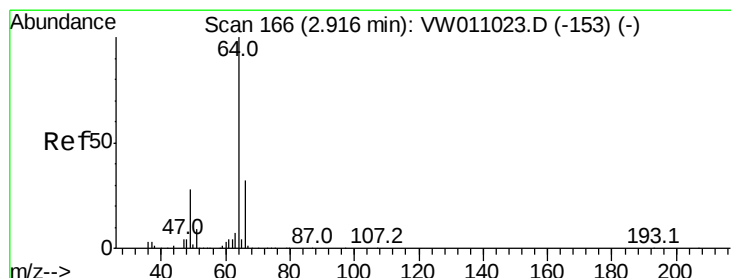
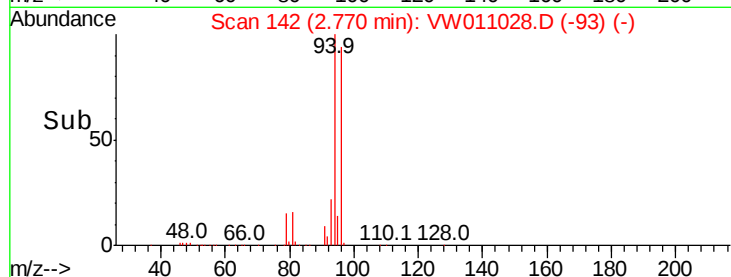
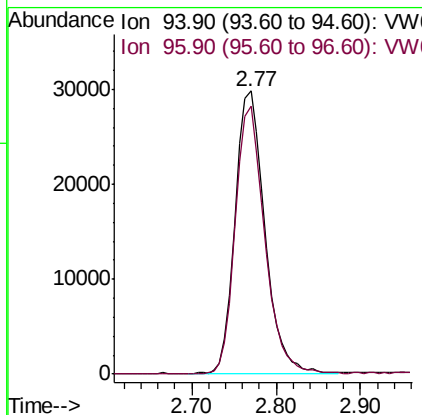
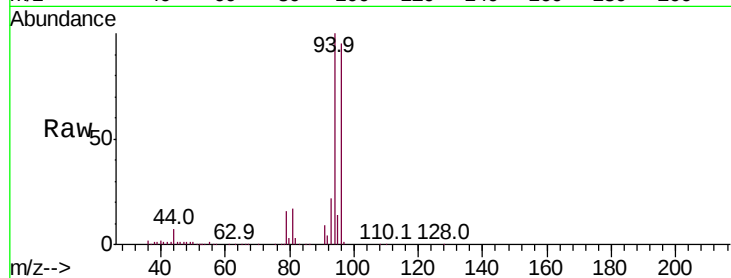
96 94.5 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 50.088 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011028.D

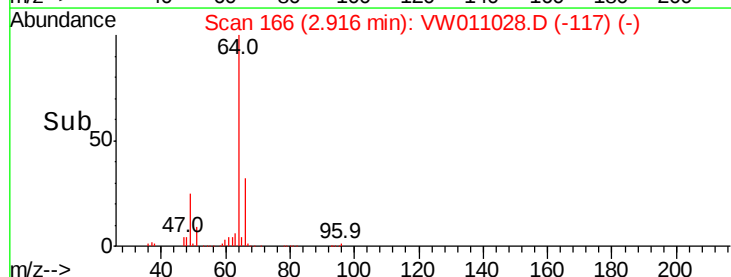
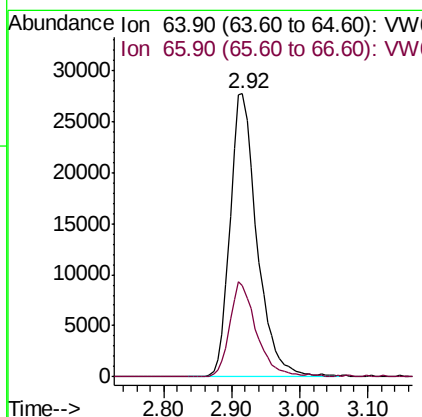
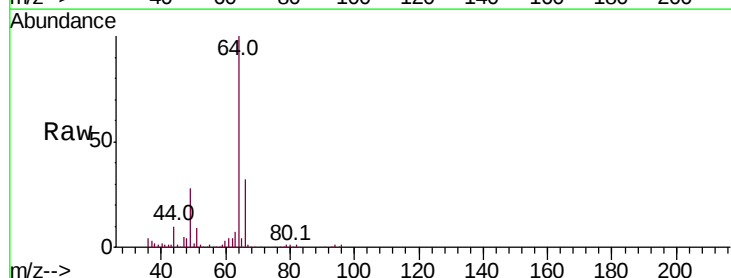
Acq: 27 Jun 2019 20:25

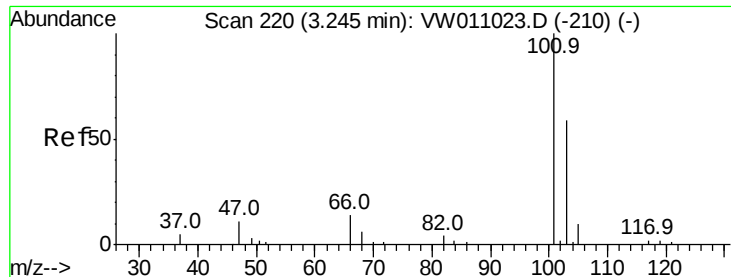
Tgt Ion: 64 Resp: 76338

Ion Ratio Lower Upper

64 100

66 32.2 25.7 38.5





#7

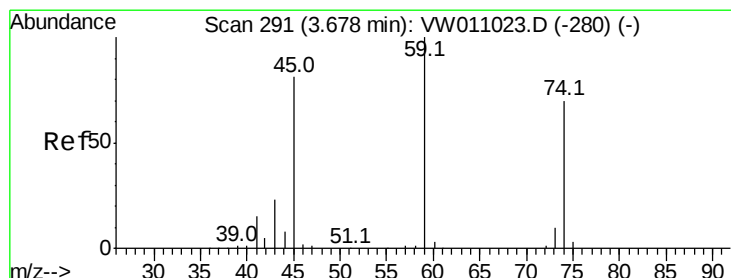
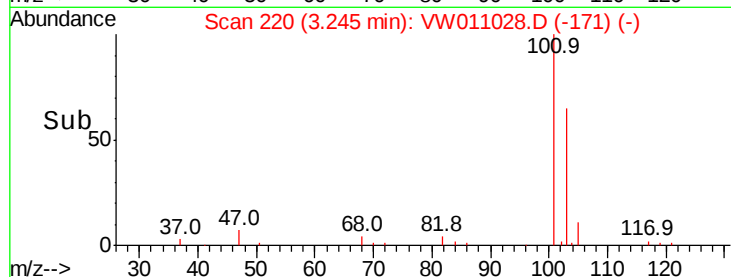
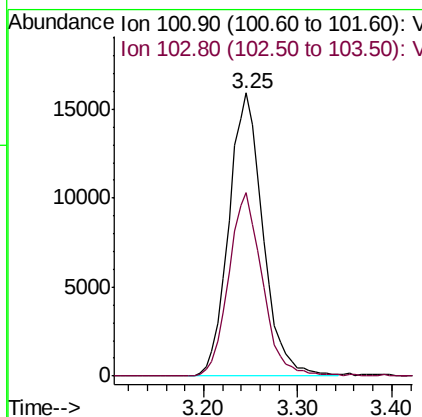
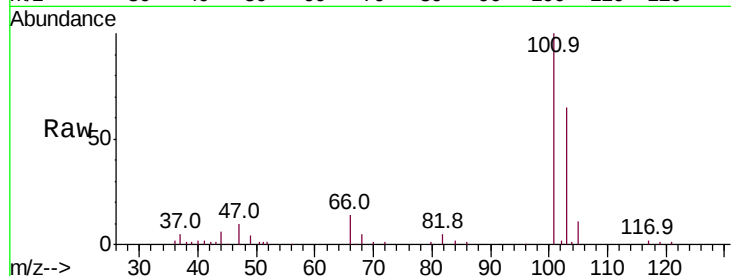
Trichlorofluoromethane
 Concen: 47.173 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	47.5	71.3

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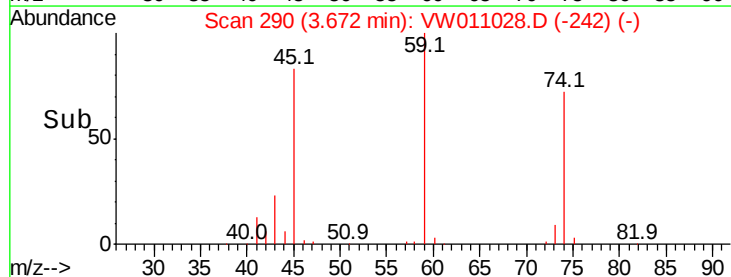
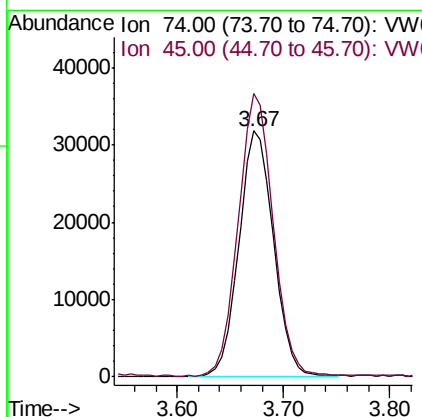
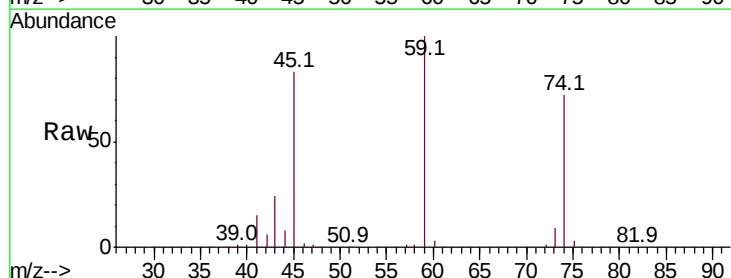
MMDadoda
 6/28/2019 10:25:22 AM

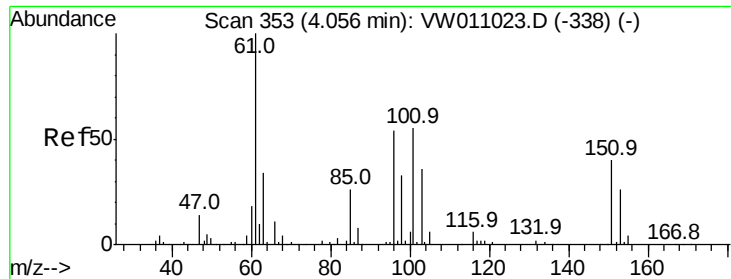


#8

Diethyl Ether
 Concen: 54.185 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.7	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.593 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

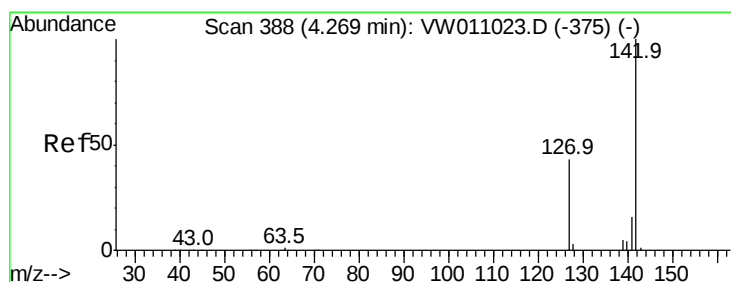
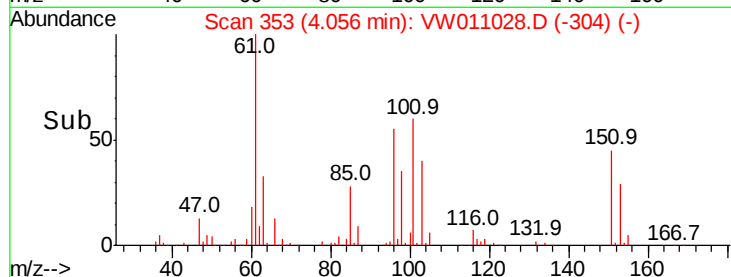
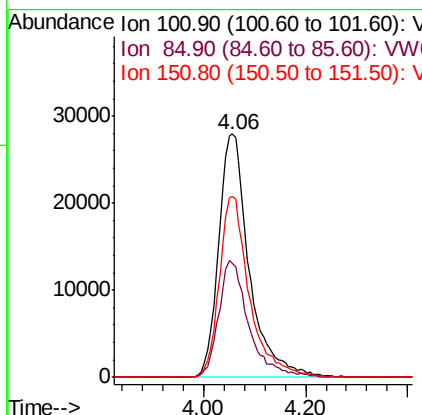
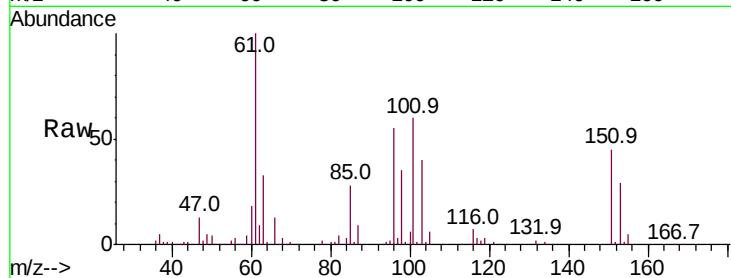
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	116096
Ion Ratio	Lower	Upper	
101	100		
85	47.2	36.6	55.0
151	73.2	58.9	88.3

Manual Integrations
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#10

Methyl Iodide

Concen: 50.999 ug/l

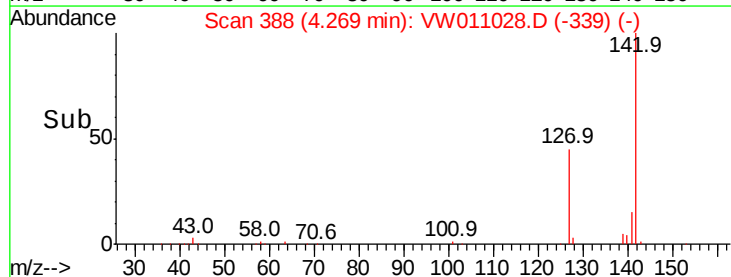
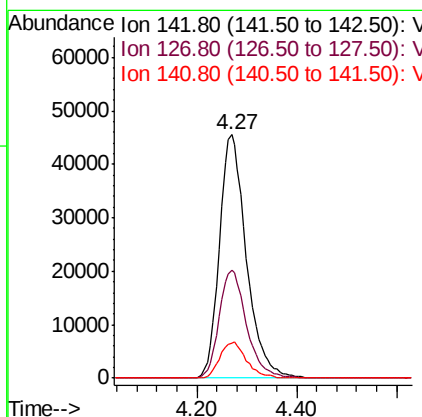
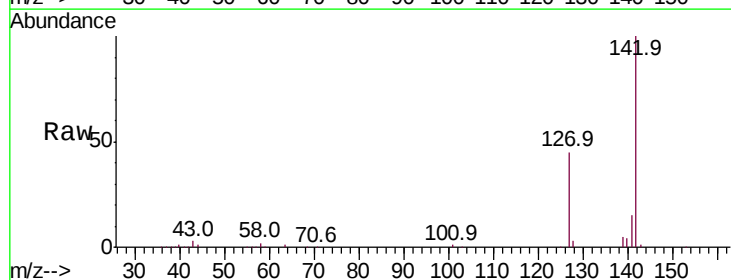
RT: 4.27 min Scan# 388

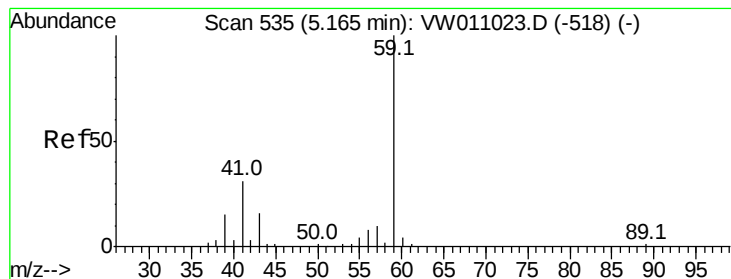
Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Tgt Ion:	142	Resp:	170474
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.8	53.8
141	14.8	12.2	18.2





#11

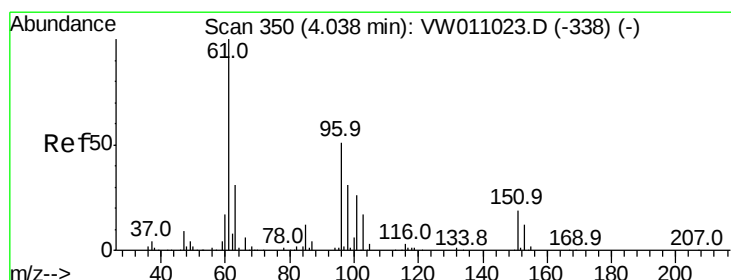
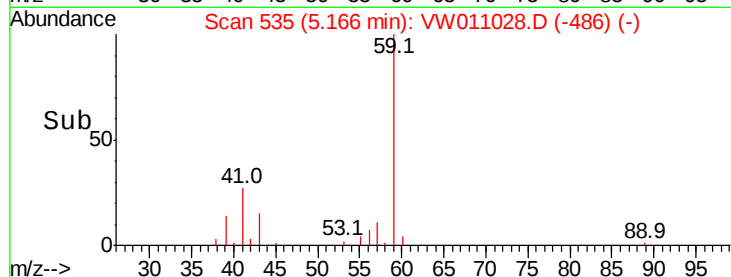
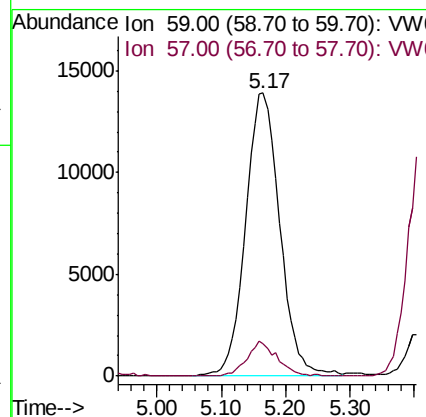
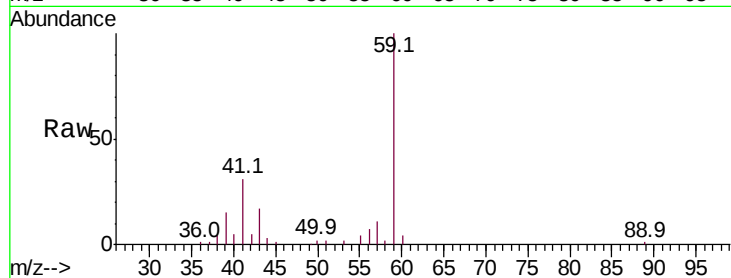
Tert butyl alcohol
 Concen: 244.023 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.4

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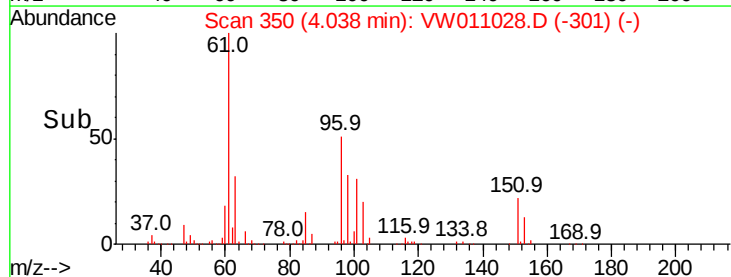
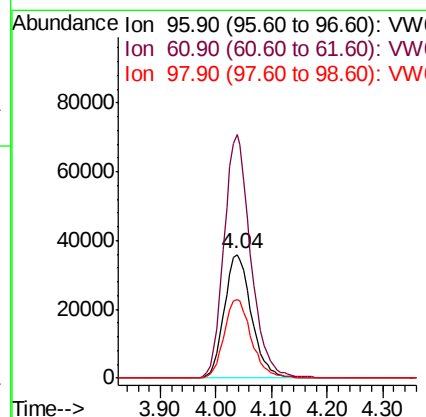
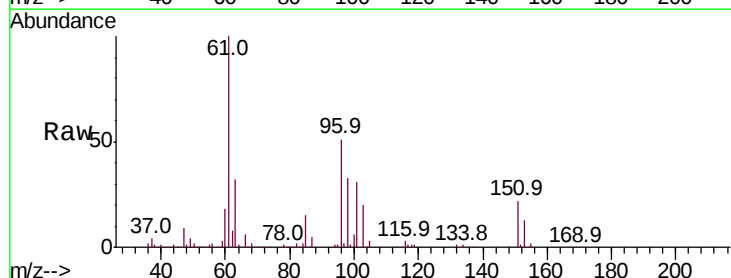
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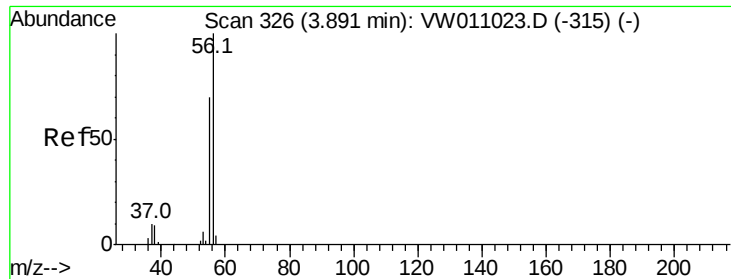


#12

1,1-Dichloroethene
 Concen: 48.798 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.9	156.0	234.0
98	64.0	48.7	73.1





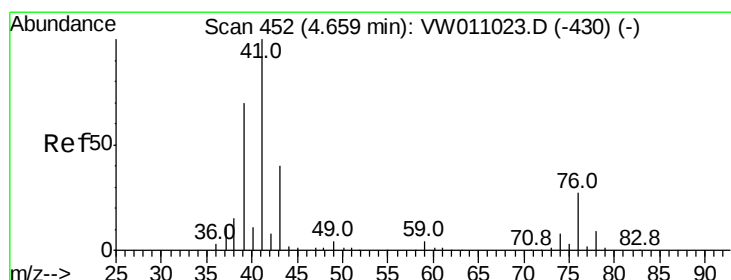
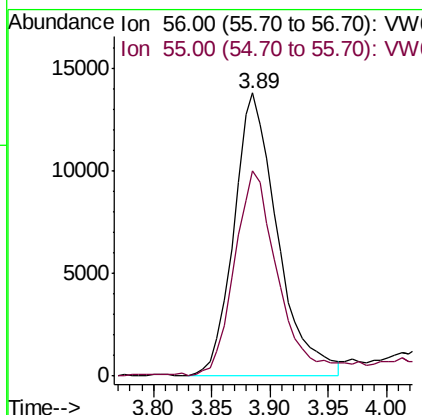
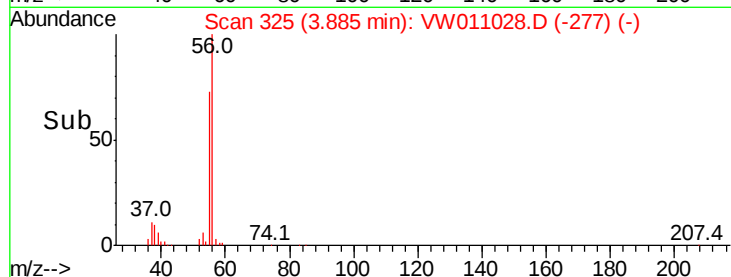
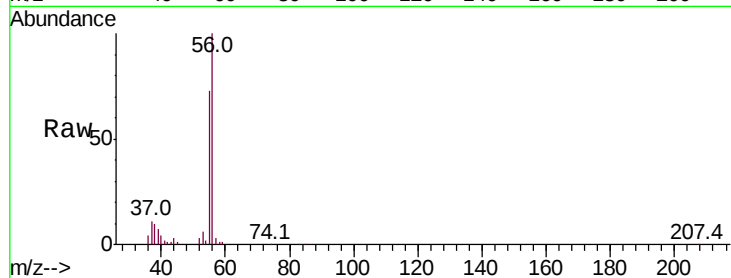
#13
Acrolein
Concen: 222.800 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 36240
Ion Ratio Lower Upper
56 100
55 71.9 55.7 83.5

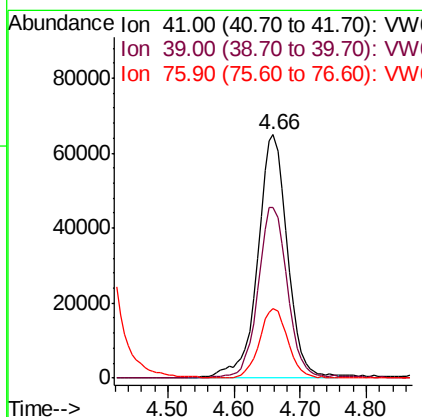
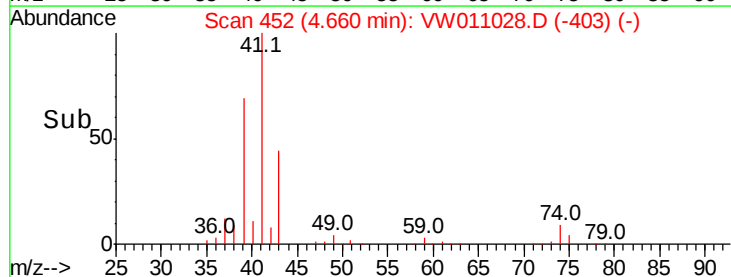
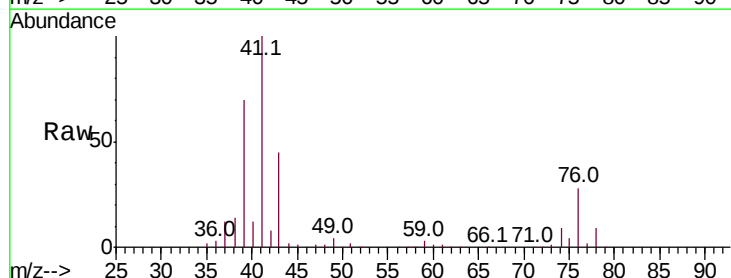
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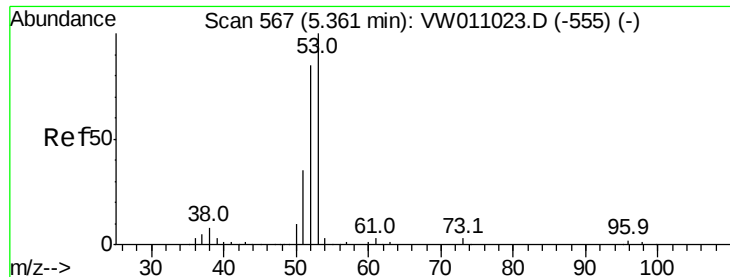
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#14
Allyl chloride
Concen: 50.373 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion: 41 Resp: 201620
Ion Ratio Lower Upper
41 100
39 69.6 55.4 83.2
76 27.3 22.0 33.0





#15

Acrylonitrile

Concen: 267.082 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

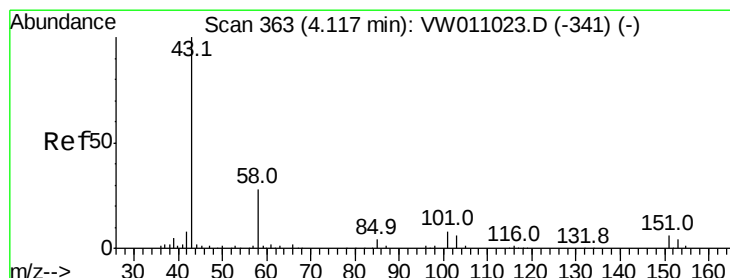
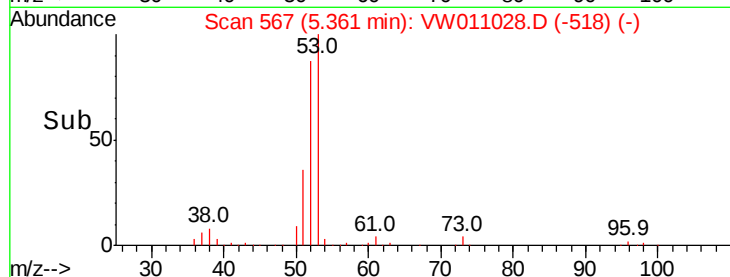
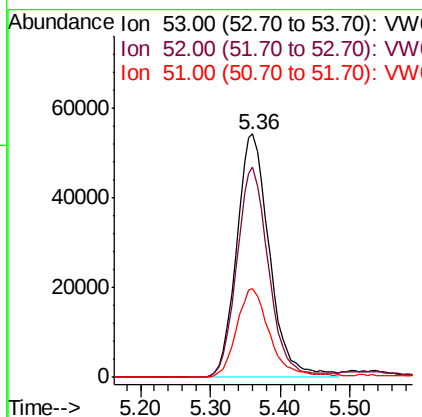
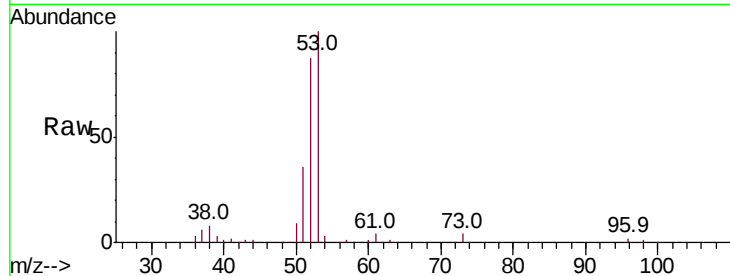
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	176945
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.3	99.5
51	37.2	29.8	44.6

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#16

Acetone

Concen: 262.228 ug/l

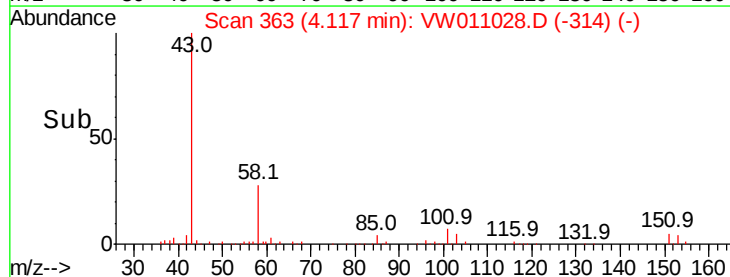
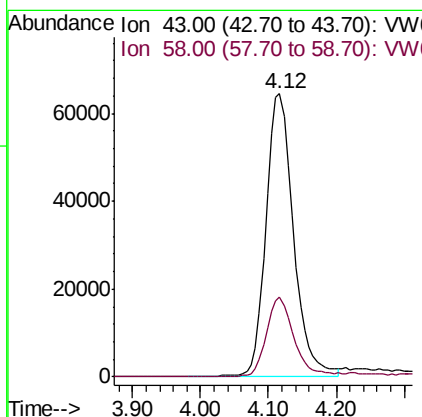
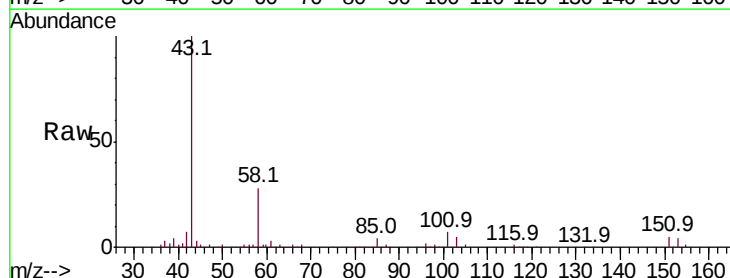
RT: 4.12 min Scan# 363

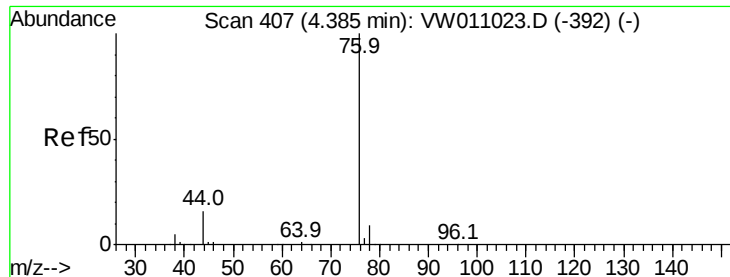
Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Tgt Ion:	43	Resp:	183831
Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.5	33.7





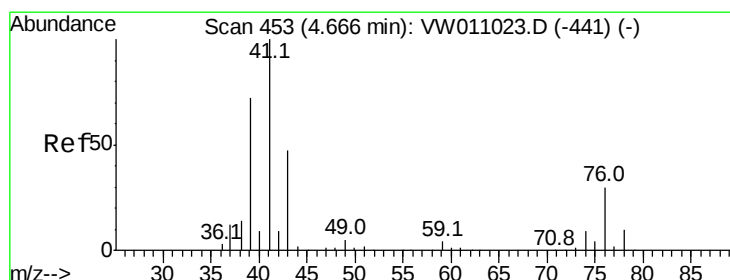
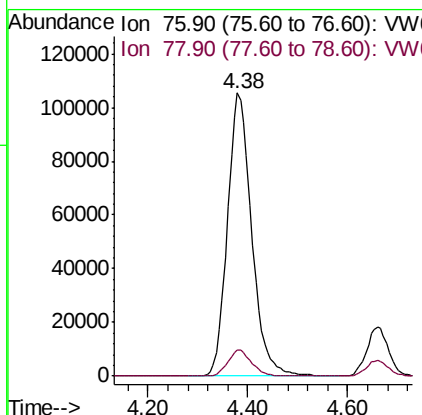
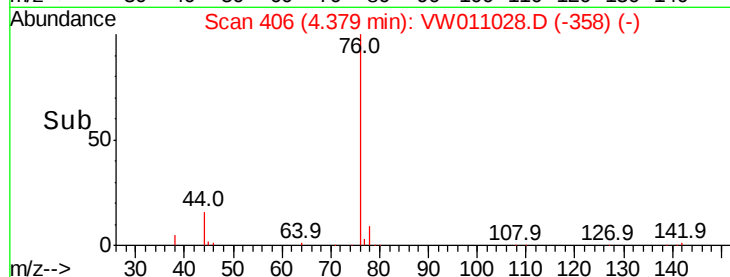
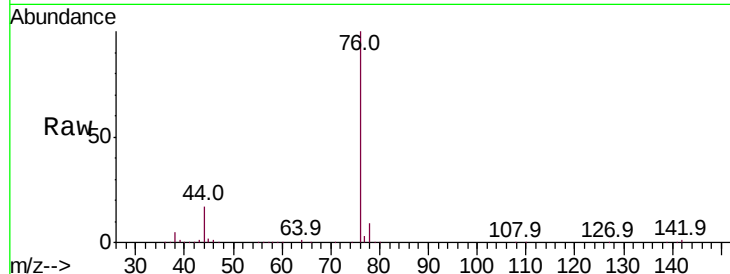
#17
Carbon Disulfide
Concen: 50.481 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 356152
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

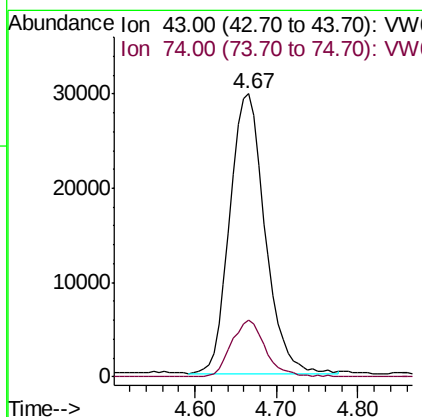
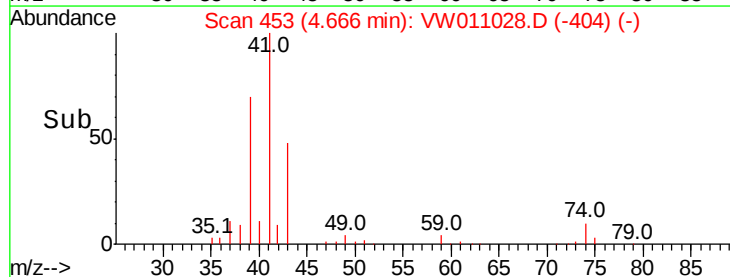
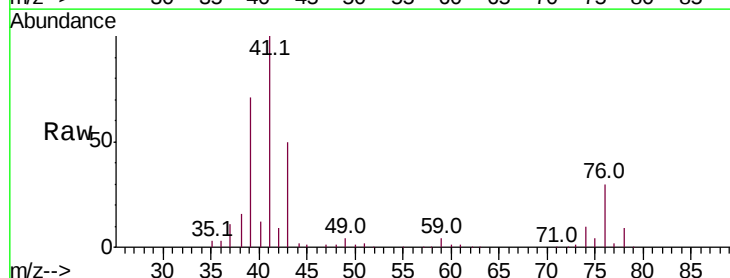
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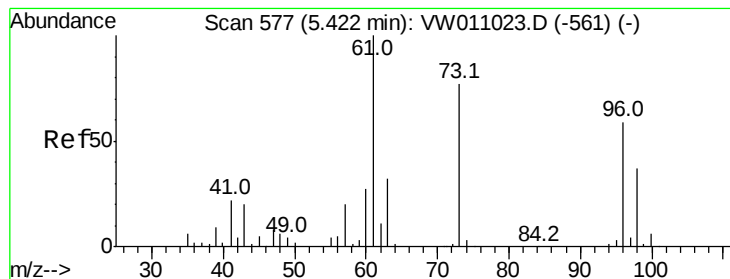
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#18
Methyl Acetate
Concen: 48.700 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion: 43 Resp: 88436
Ion Ratio Lower Upper
43 100
74 19.6 15.8 23.8





#19

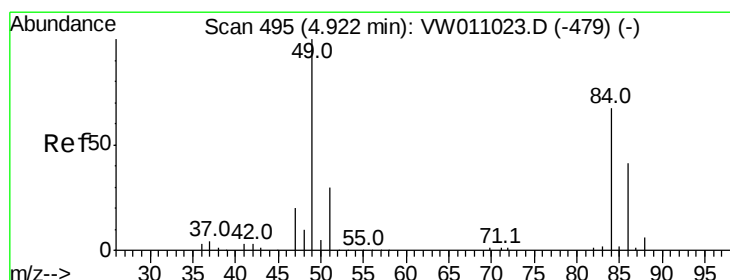
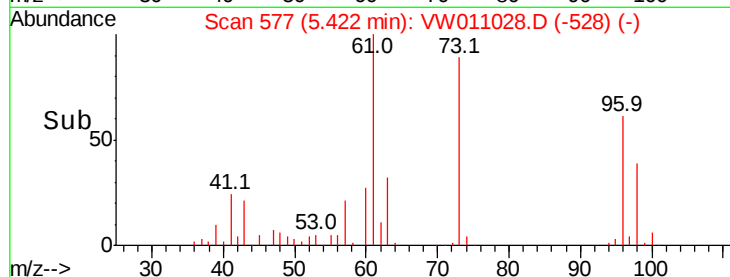
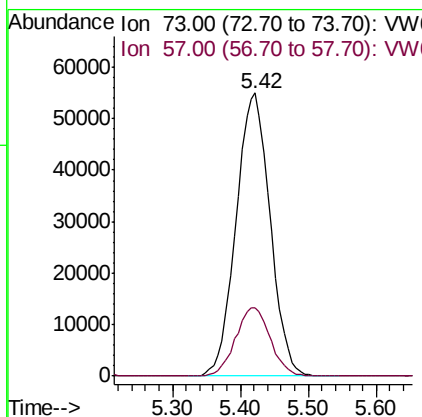
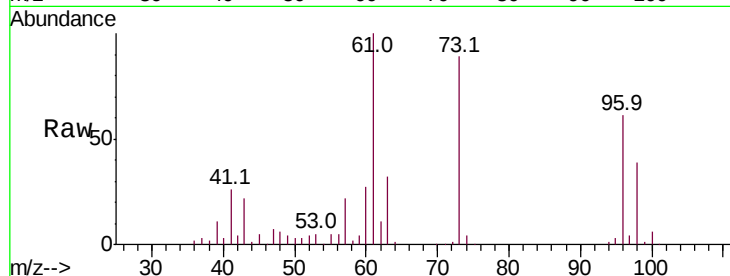
Methyl tert-butyl Ether
 Concen: 54.238 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	20.8	31.2

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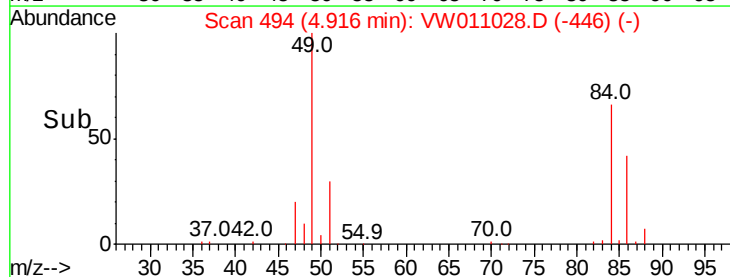
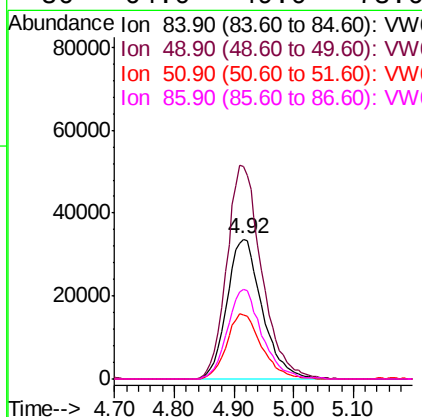
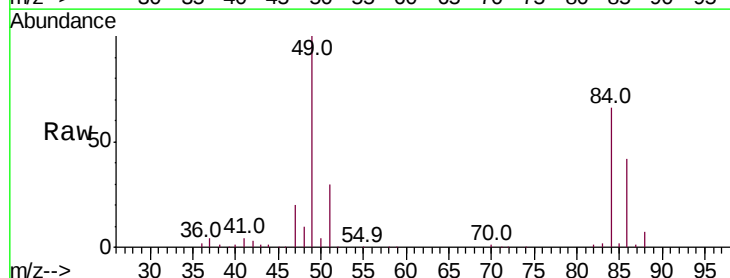
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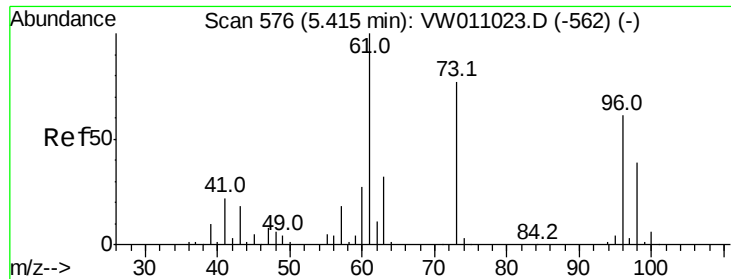


#20

Methylene Chloride
 Concen: 48.559 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.5	119.6	179.4
51	45.6	35.6	53.4
86	64.0	49.0	73.6





#21

trans-1,2-Dichloroethene

Concen: 50.851 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 130310

Ion Ratio Lower Upper

96 100

61 164.6 131.0 196.4

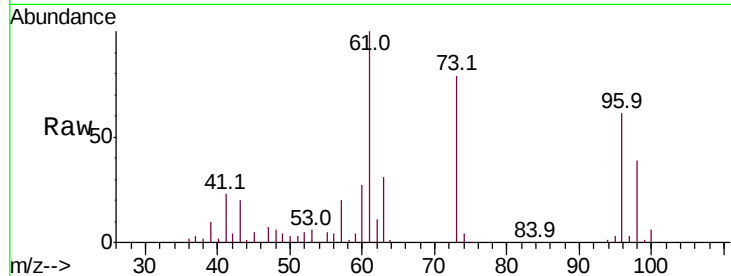
98 63.5 50.8 76.2

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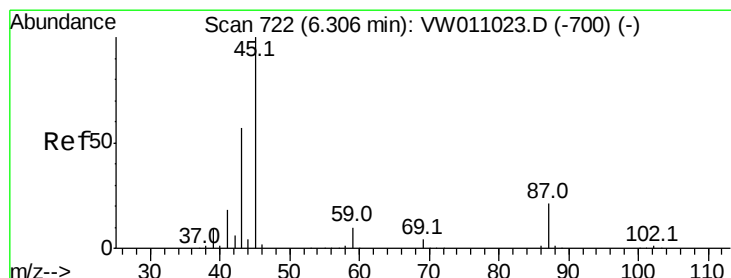
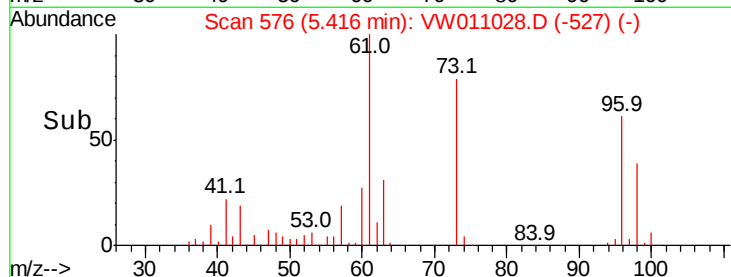
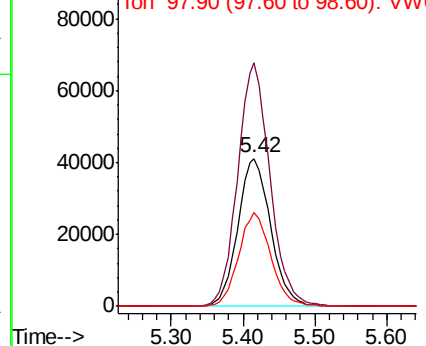


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 53.267 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Tgt Ion: 45 Resp: 513058

Ion Ratio Lower Upper

45 100

43 55.2 45.8 68.6

87 21.3 17.1 25.7

59 10.3 8.2 12.4

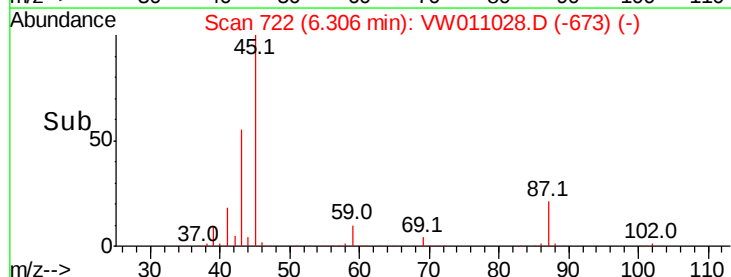
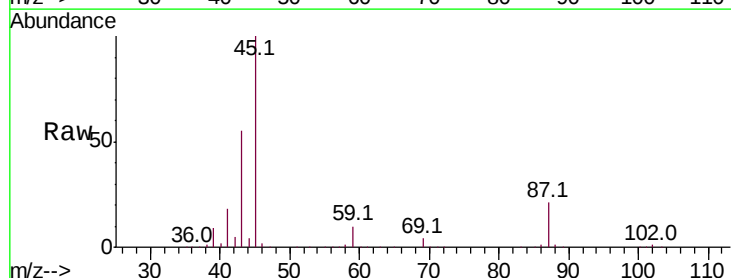
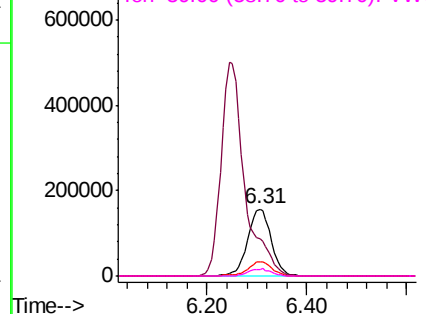
Abundance

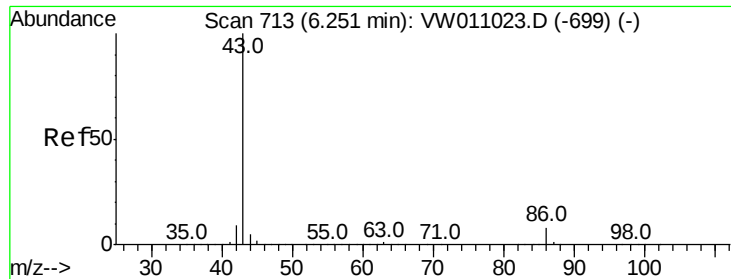
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 276.723 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1642289

Ion Ratio Lower Upper

43 100

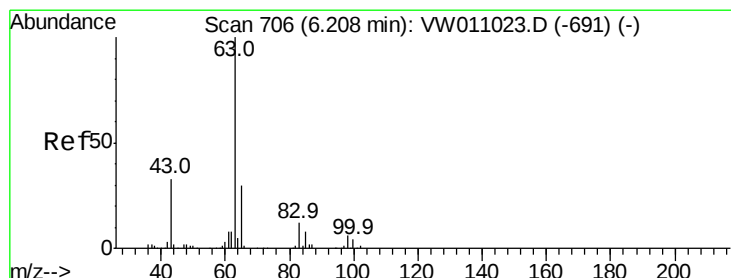
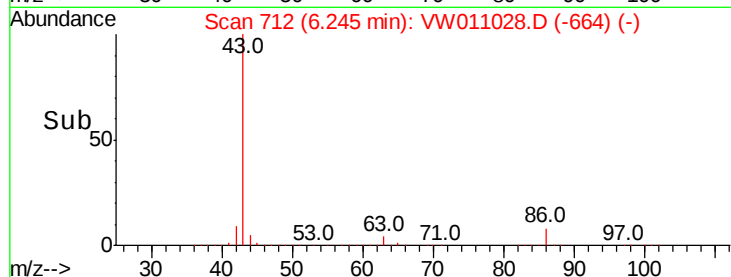
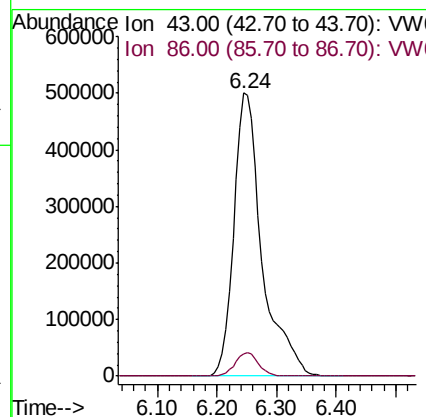
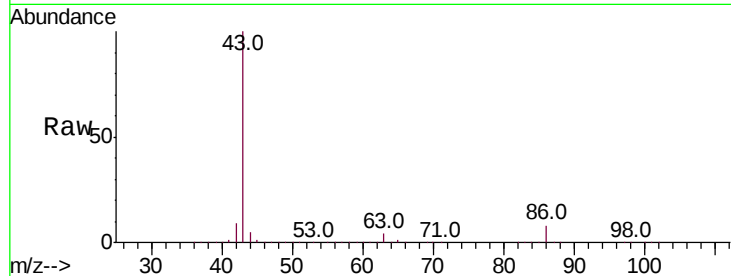
86 8.0 6.6 10.0

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#24

1,1-Dichloroethane

Concen: 51.752 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

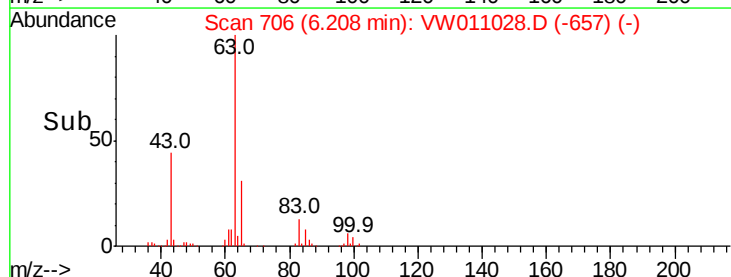
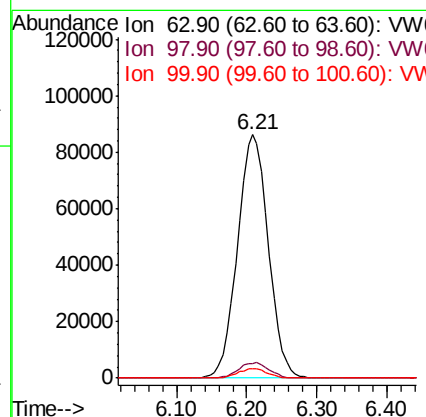
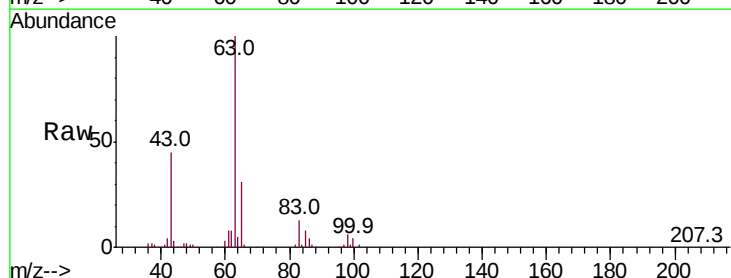
Tgt Ion: 63 Resp: 263116

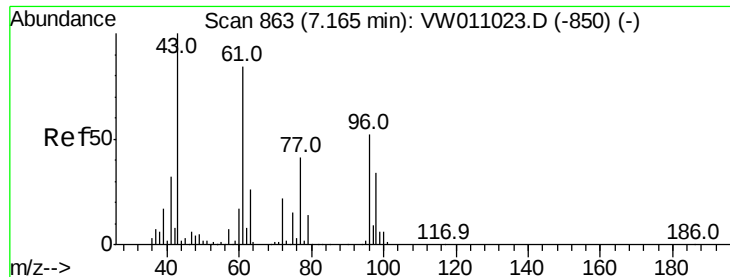
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.4

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 265.927 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 283372

Ion Ratio Lower Upper

43 100

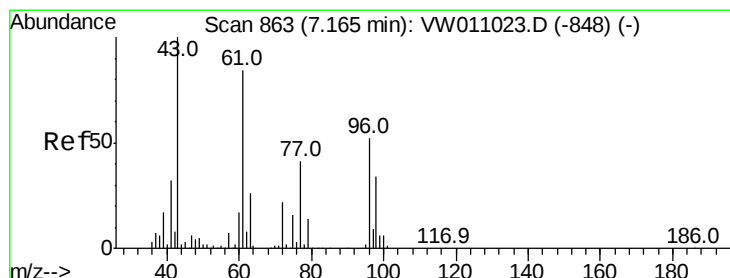
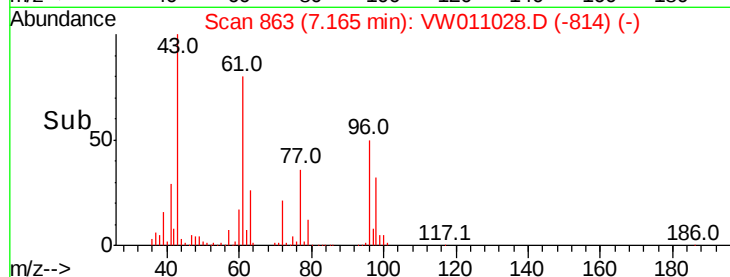
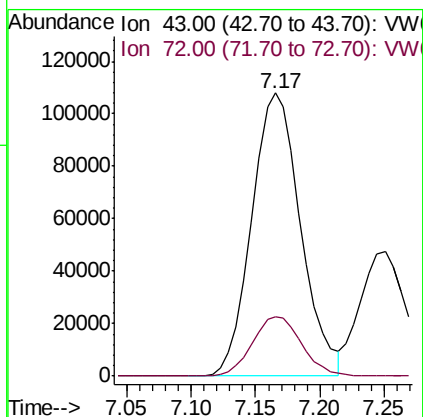
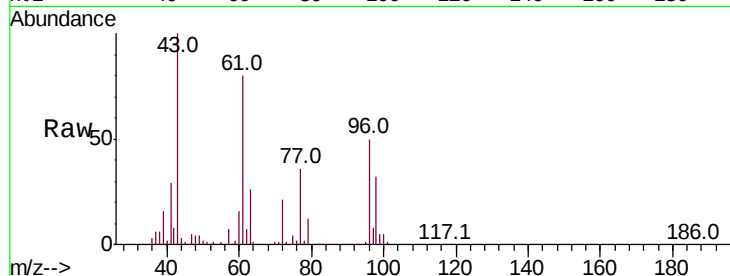
72 20.8 17.2 25.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.839 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011028.D

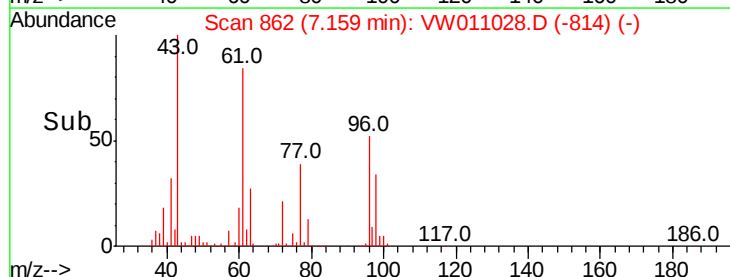
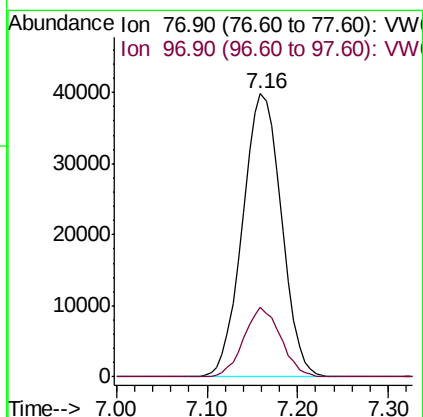
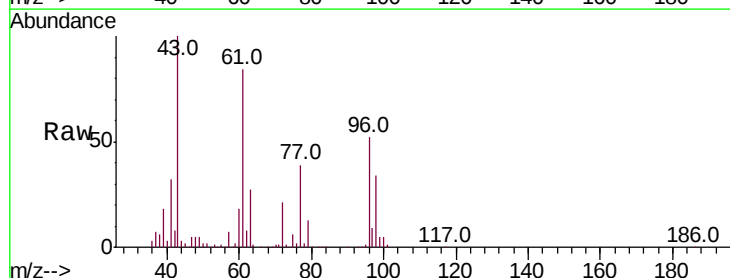
Acq: 27 Jun 2019 20:25

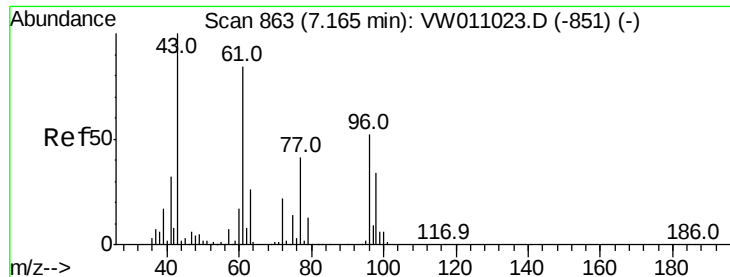
Tgt Ion: 77 Resp: 118362

Ion Ratio Lower Upper

77 100

97 23.3 10.9 32.7





#27

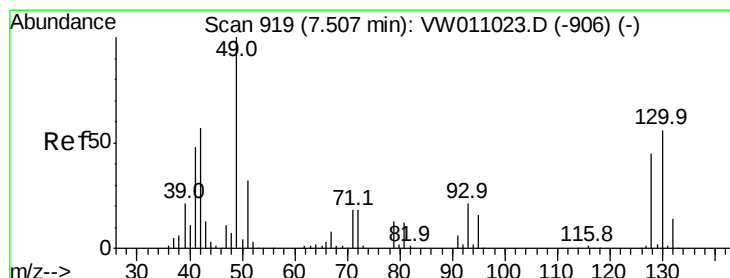
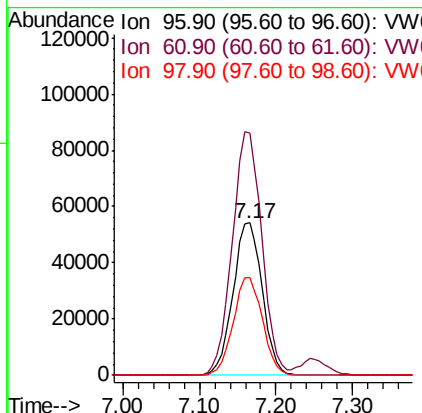
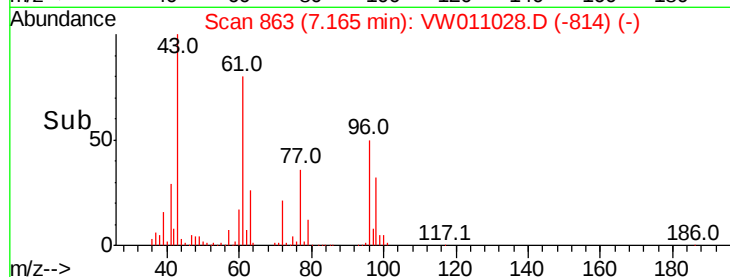
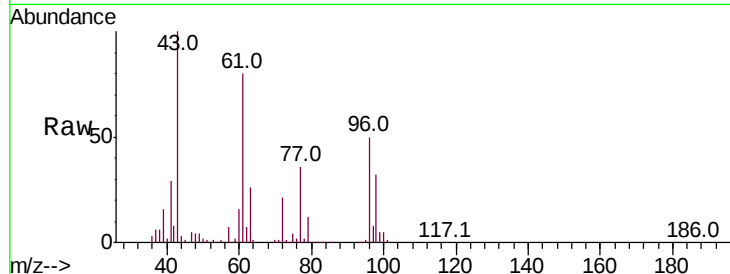
cis-1,2-Dichloroethene
Concen: 52.058 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.6	0.0	330.4	
98	63.7	0.0	129.4	

Manual Integrations
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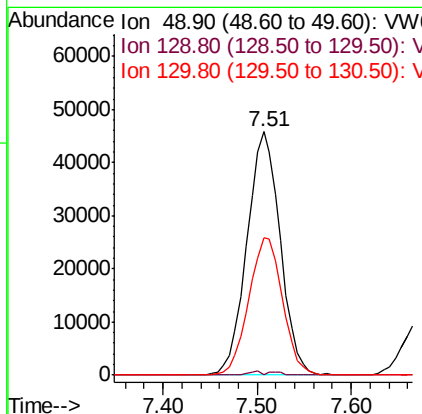
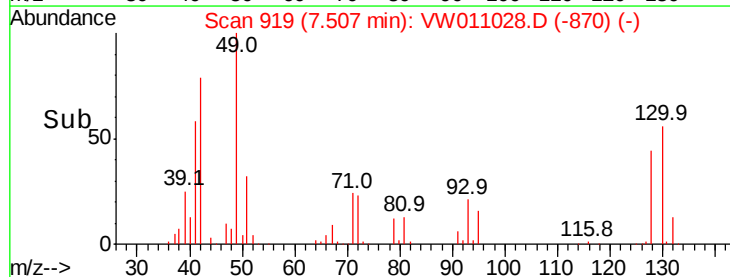
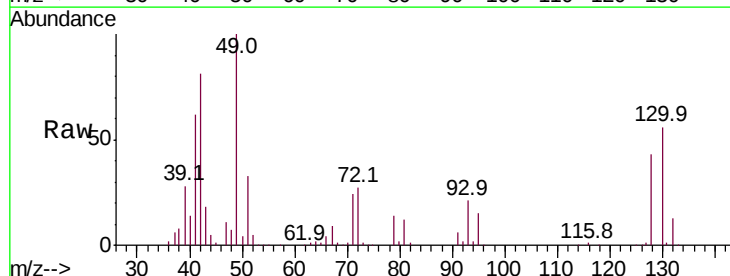
MMDadoda
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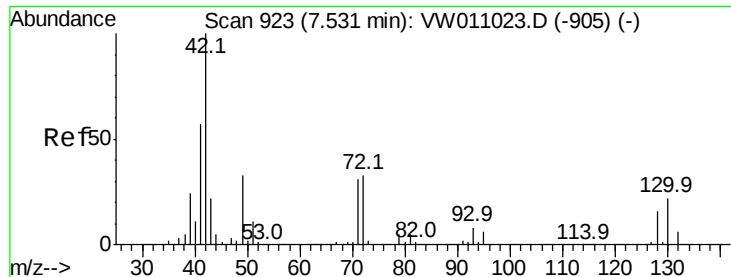


#28

Bromochloromethane
Concen: 47.748 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.6	0.0	3.4	
130	57.4	46.1	69.1	





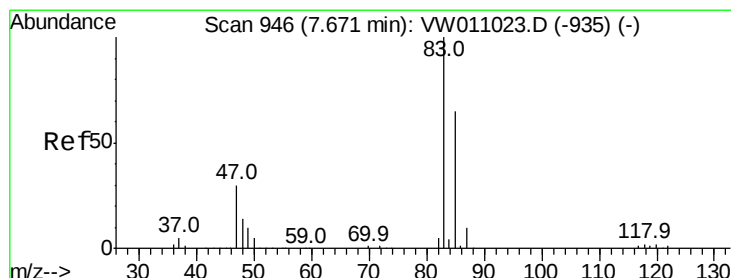
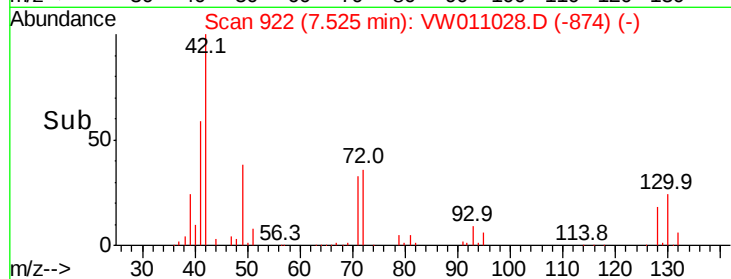
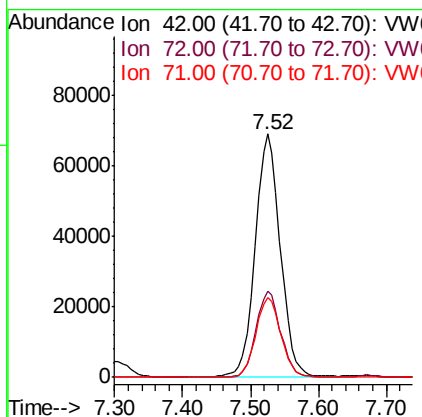
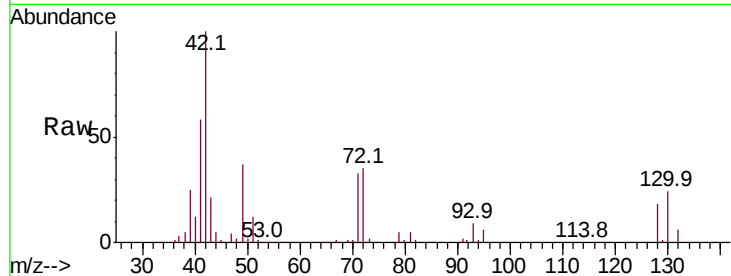
#29
Tetrahydrofuran
Concen: 267.500 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	177445
Ion Ratio	Lower	Upper	
42	100		
72	34.9	27.4	41.0
71	32.9	25.6	38.4

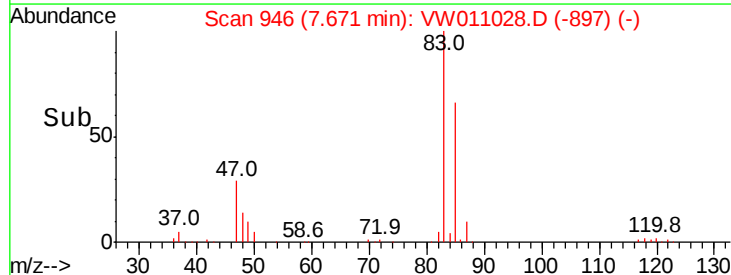
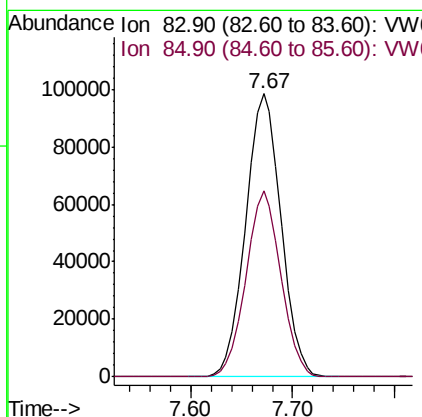
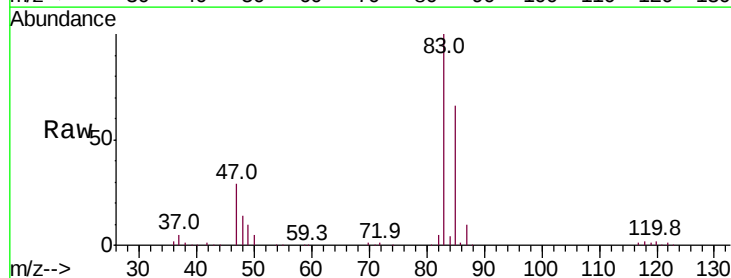
Manual Integrations
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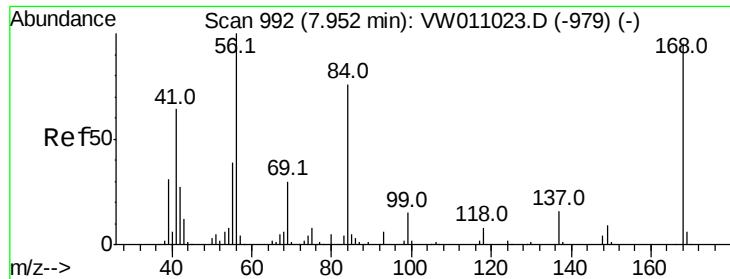
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#30
Chloroform
Concen: 51.417 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion:	83	Resp:	237491
Ion Ratio	Lower	Upper	
83	100		
85	65.7	52.2	78.4





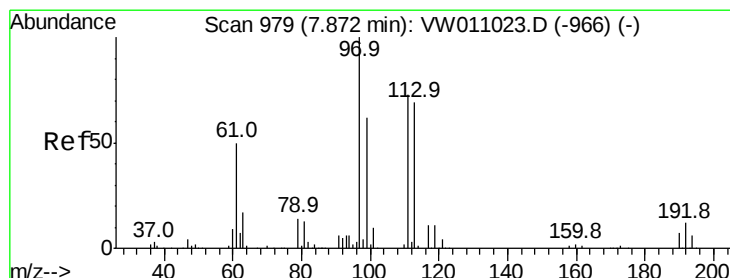
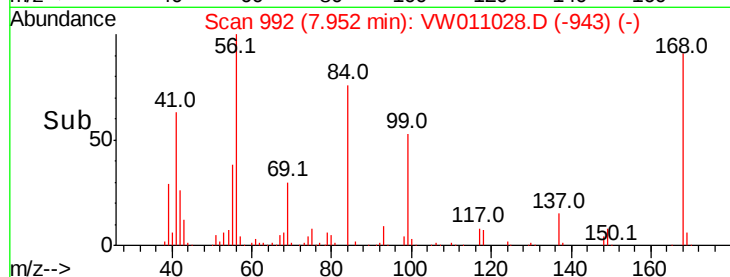
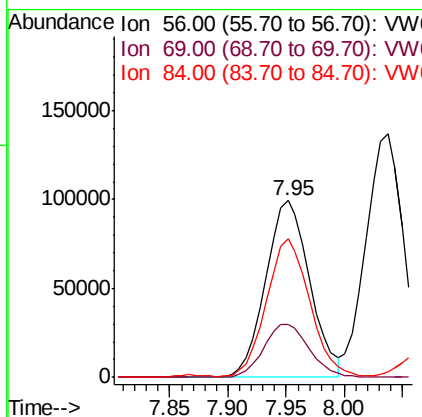
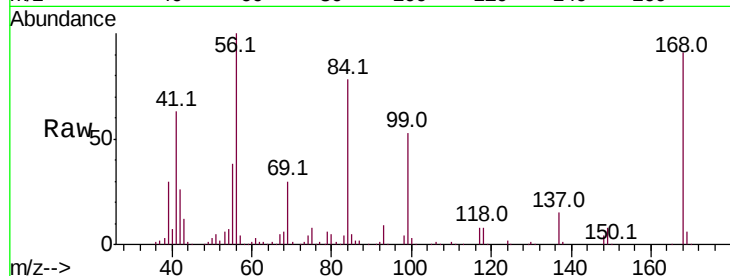
#31
Cyclohexane
Concen: 47.575 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.2	36.2
84	76.9	60.6	90.8

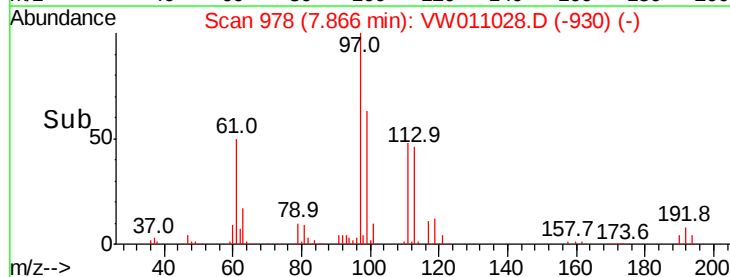
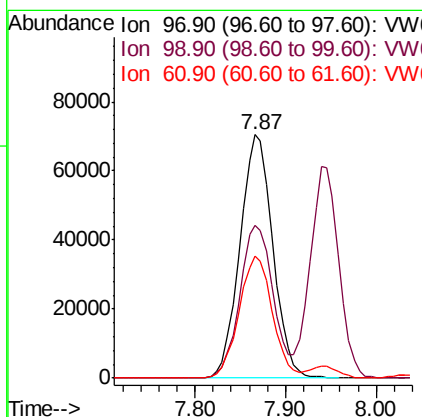
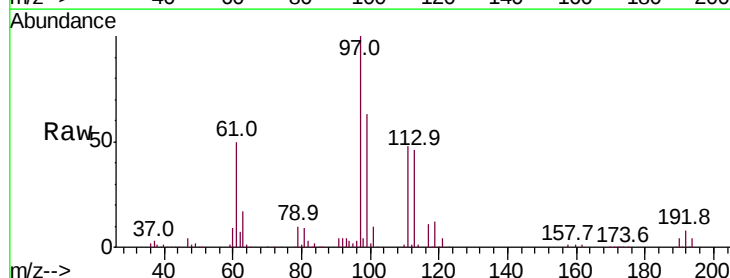
Manual Integrations
APPROVED

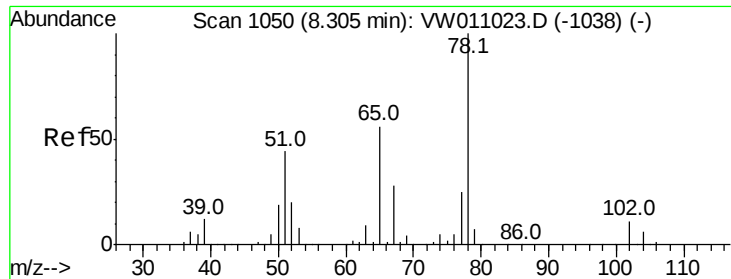
MMDadoda
6/28/2019 10:25:22 AM



#32
1,1,1-Trichloroethane
Concen: 51.207 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.1	76.7
61	50.7	41.4	62.2





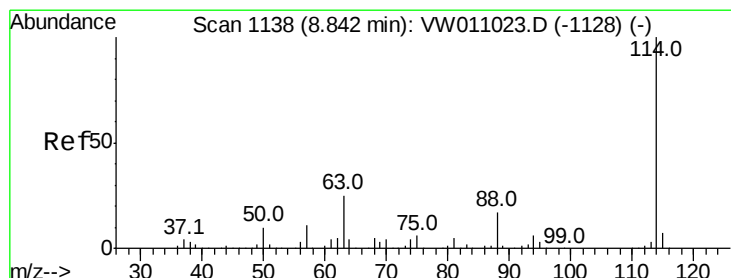
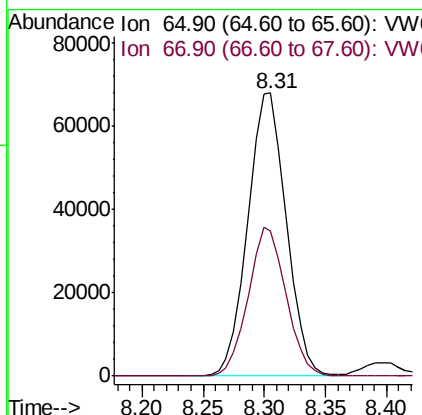
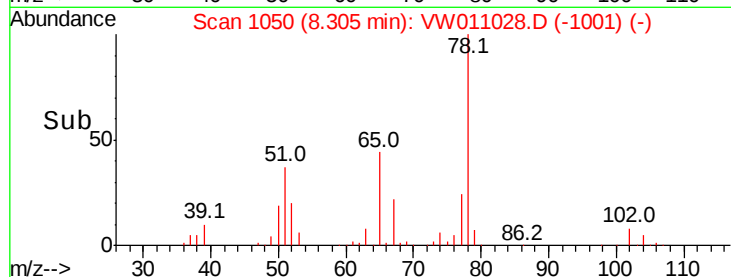
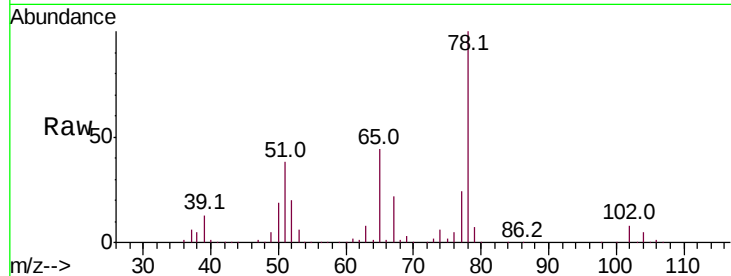
#33
 1,2-Dichloroethane-d4
 Concen: 51.845 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	102.4	

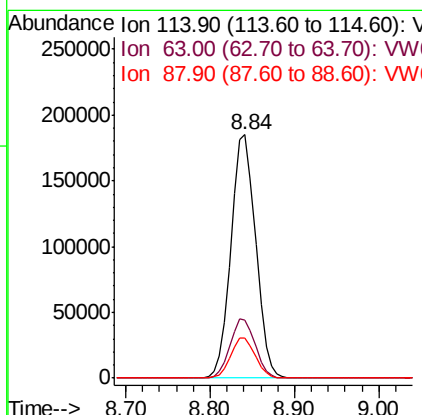
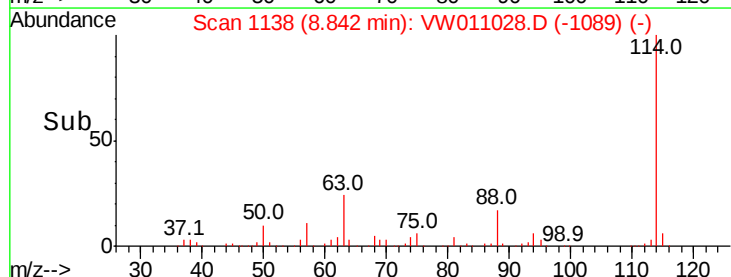
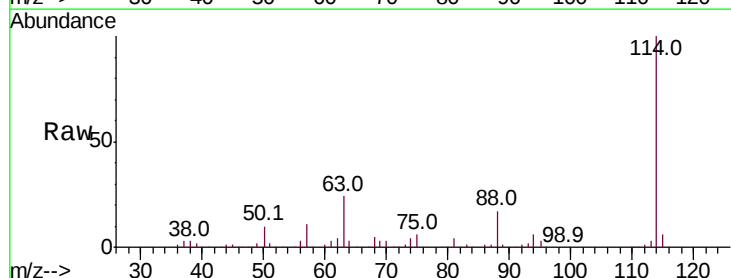
Manual Integrations
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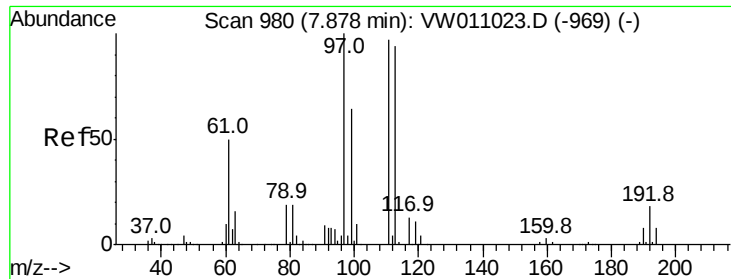
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.9	0.0	50.6	
88	16.6	0.0	34.0	





#35

Dibromofluoromethane

Concen: 51.758 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

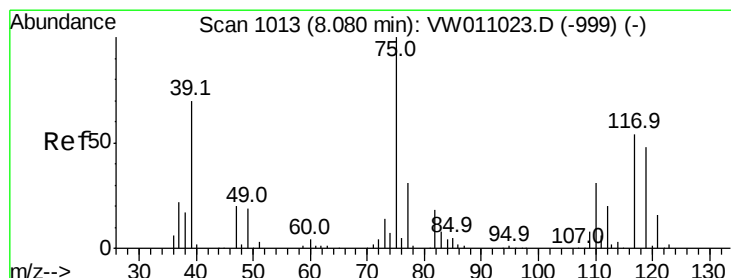
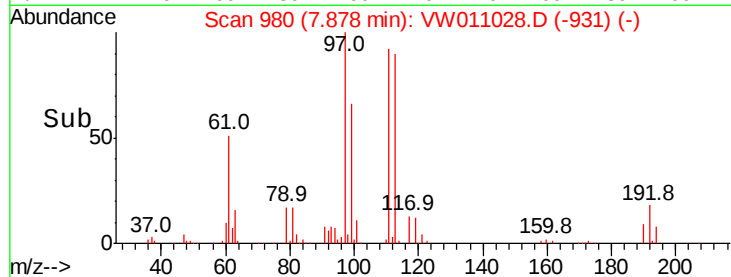
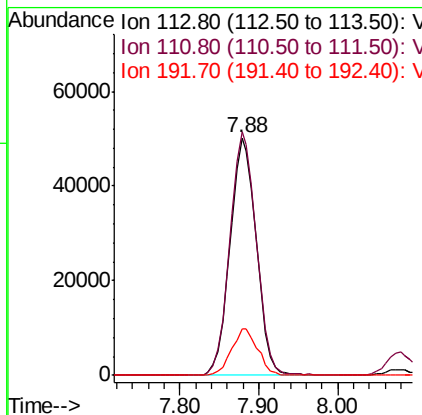
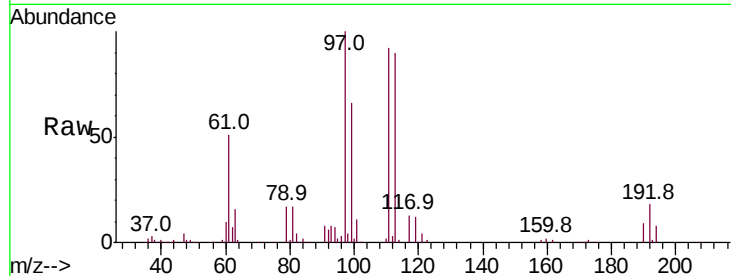
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	116299
Ion Ratio	Lower	Upper	
113	100		
111	102.8	83.8	125.6
192	19.5	16.0	24.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.222 ug/l

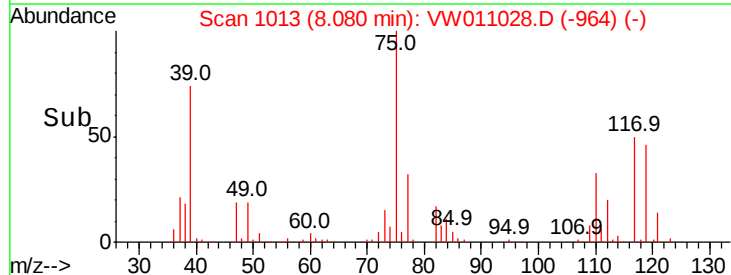
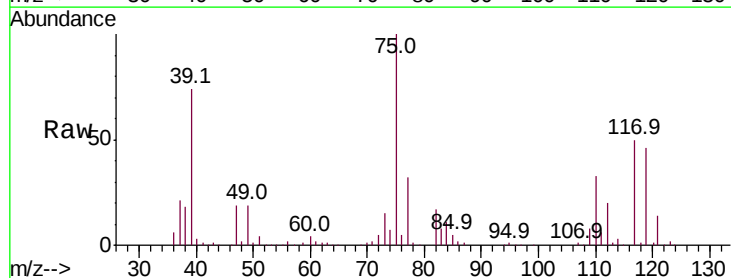
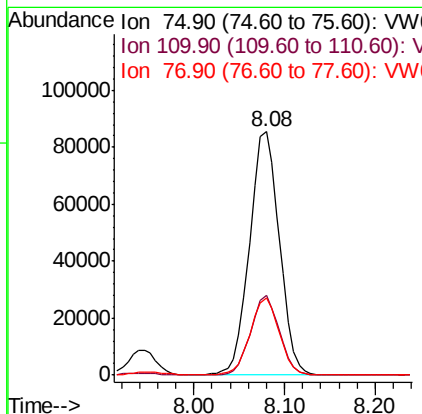
RT: 8.08 min Scan# 1013

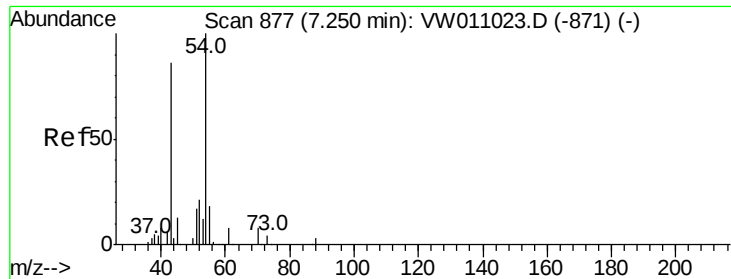
Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Tgt Ion:	75	Resp:	194672
Ion Ratio	Lower	Upper	
75	100		
110	31.4	15.5	46.5
77	31.1	24.9	37.3





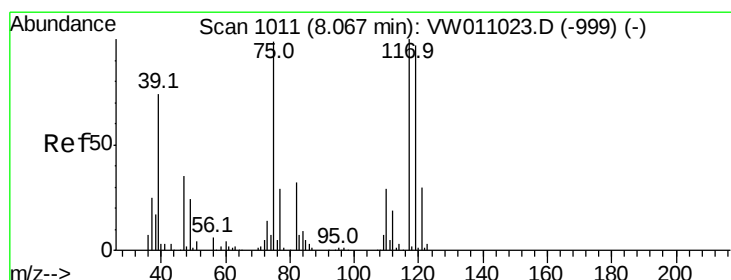
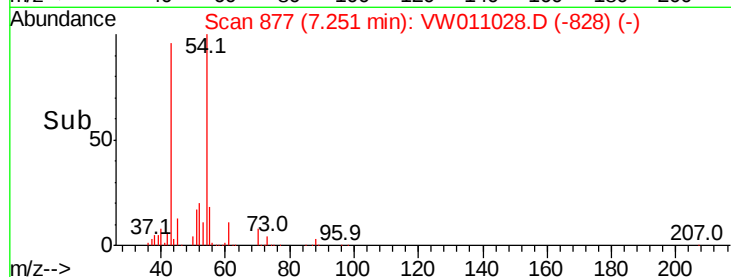
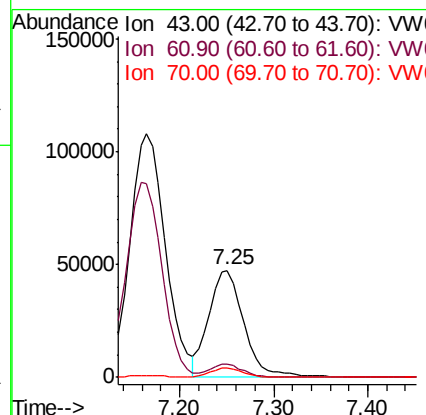
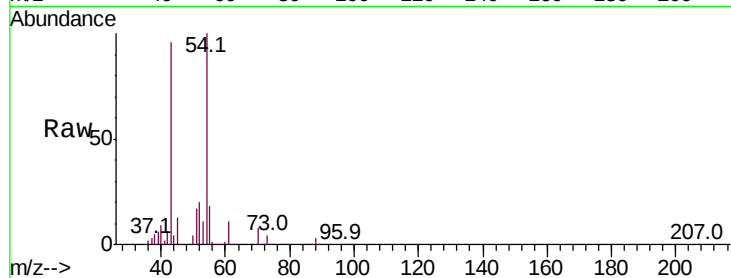
#37
Ethyl Acetate
Concen: 52.480 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.0	13.4
70	8.3	7.2	10.8

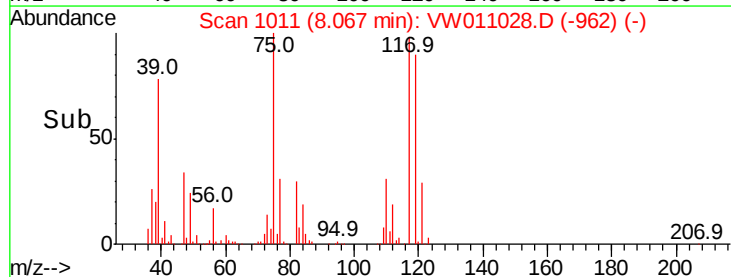
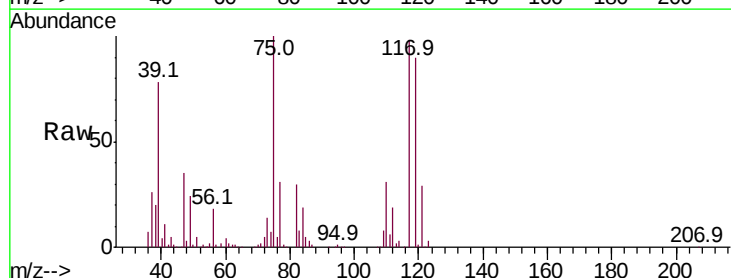
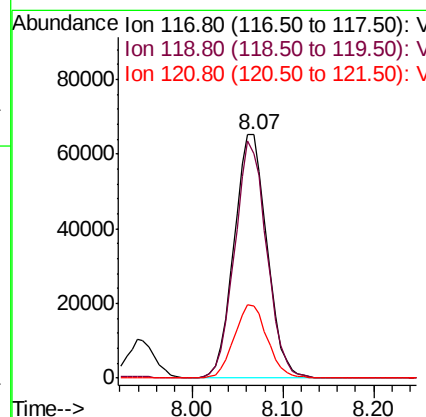
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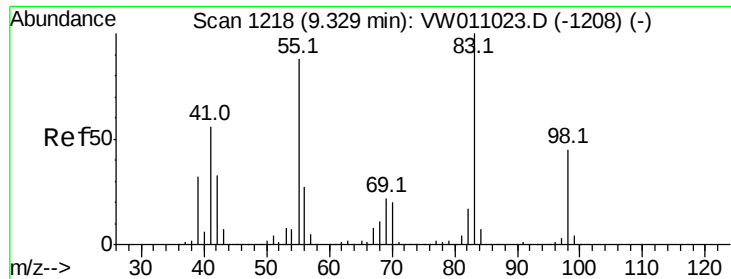
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#38
Carbon Tetrachloride
Concen: 50.413 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.7	116.5
121	29.7	23.9	35.9





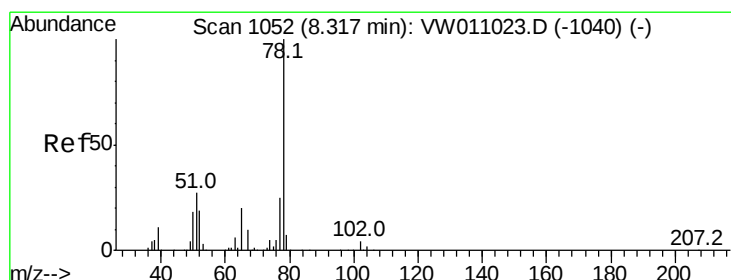
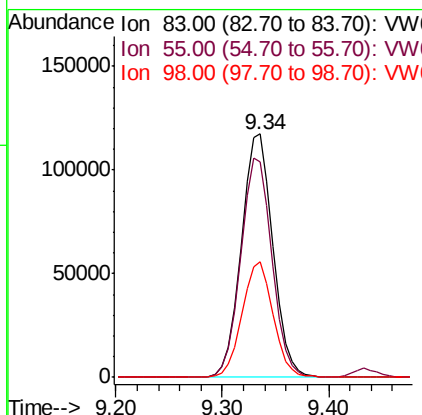
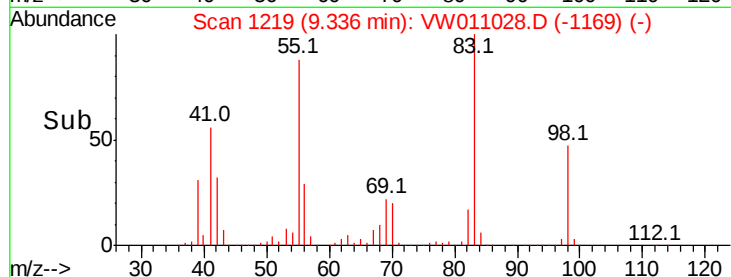
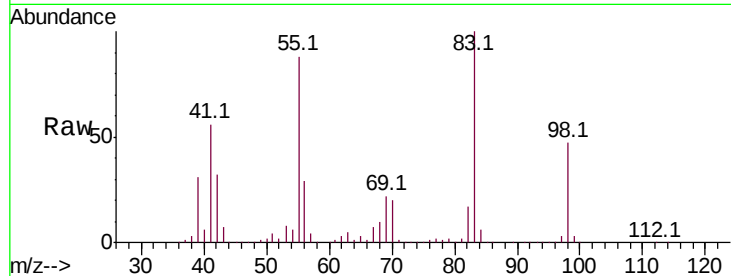
#39
Methvlcvclohexane
Concen: 50.246 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	244561
Ion Ratio	100	Lower	Upper
83	100		
55	88.3	70.7	106.1
98	47.4	36.4	54.6

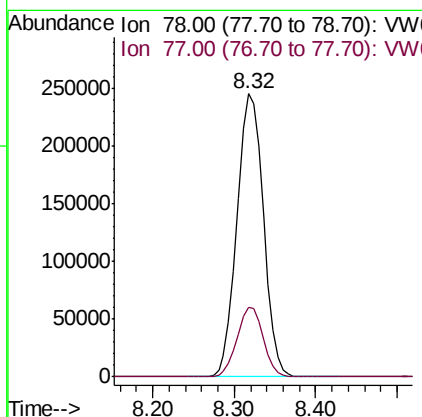
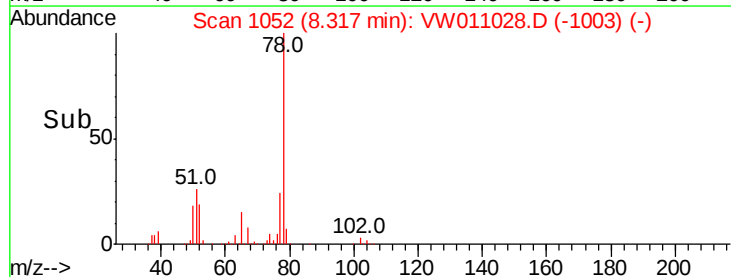
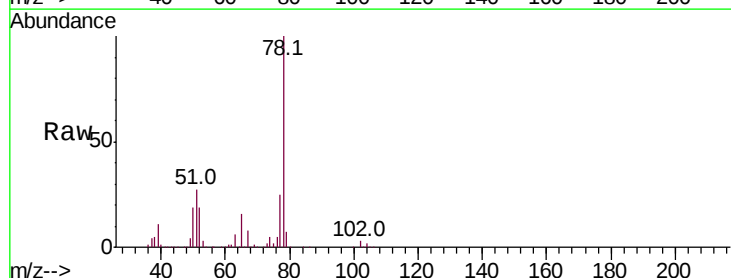
Manual Integrations
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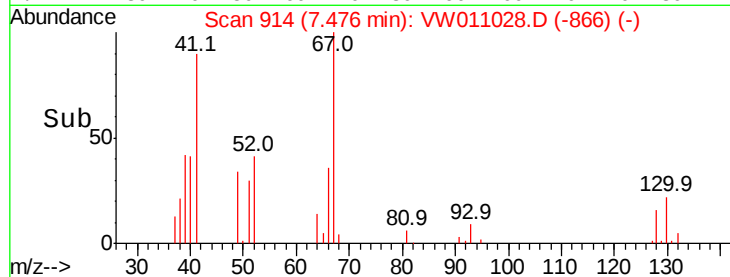
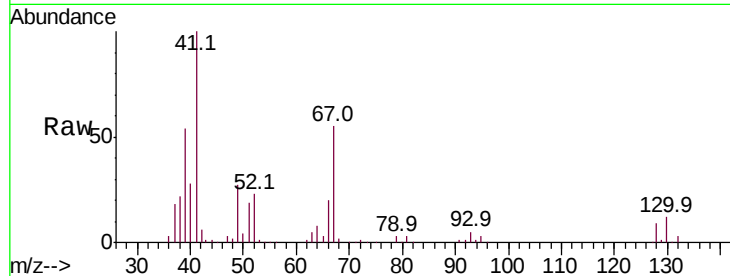
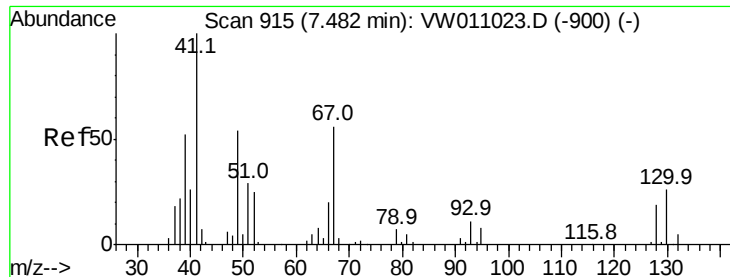
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#40
Benzene
Concen: 50.571 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion	78	Resp	550110
Ion Ratio	100	Lower	Upper
78	100		
77	24.6	19.7	29.5





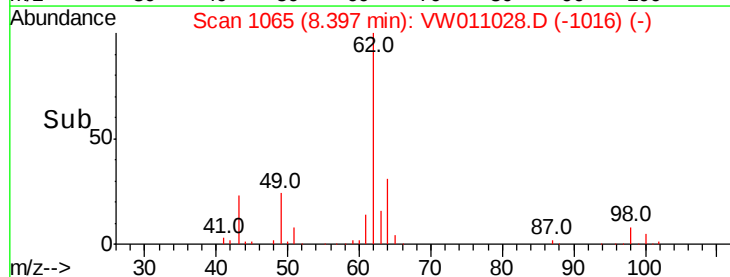
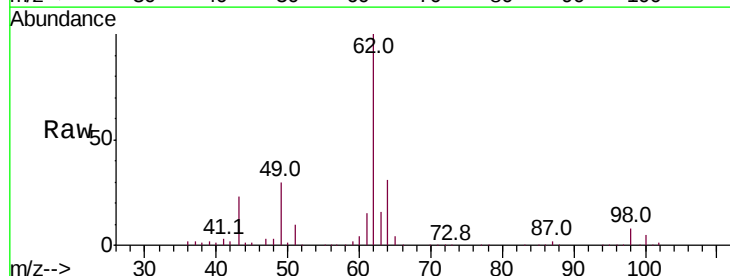
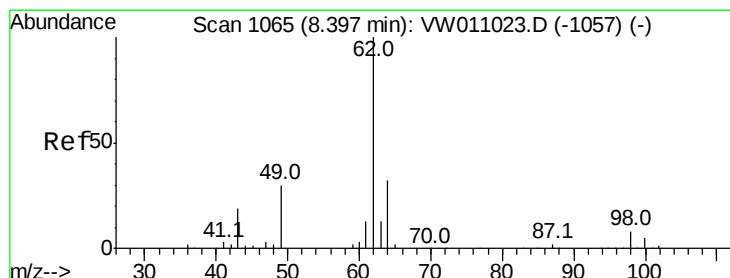
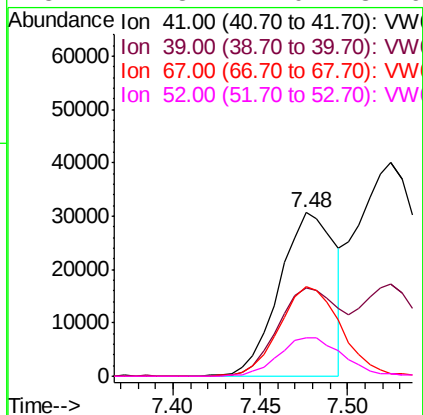
#41
Methacrylonitrile
Concen: 48.446 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.7	42.1	63.1
67	61.4	44.2	66.2
52	27.8	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

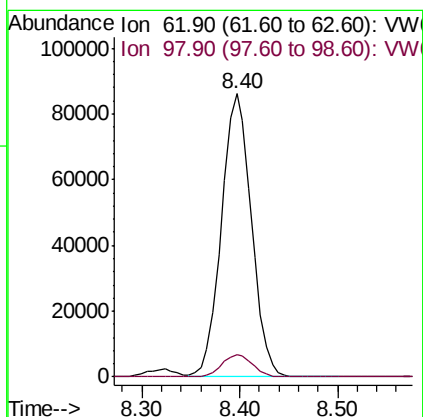
Manual Integrations
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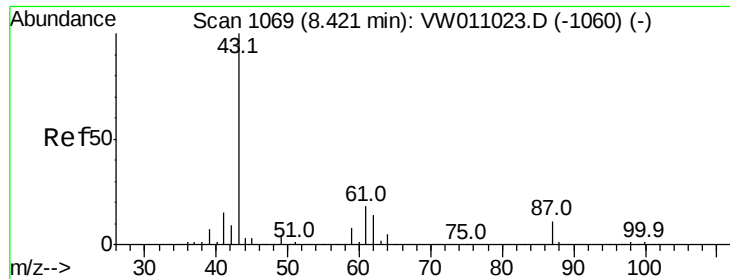
MMDadoda
6/28/2019 10:25:22 AM



#42
1,2-Dichloroethane
Concen: 51.328 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.8





#43

Isopropyl Acetate

Concen: 53.775 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

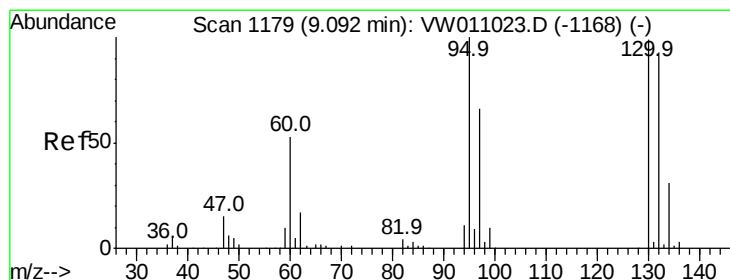
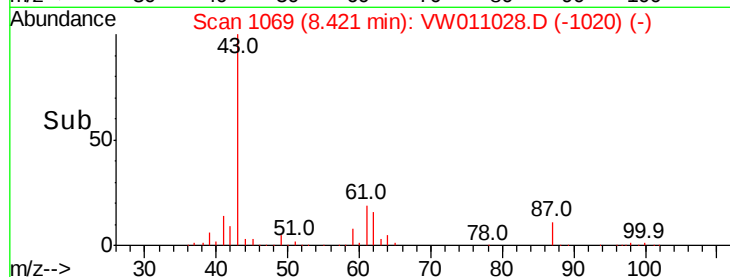
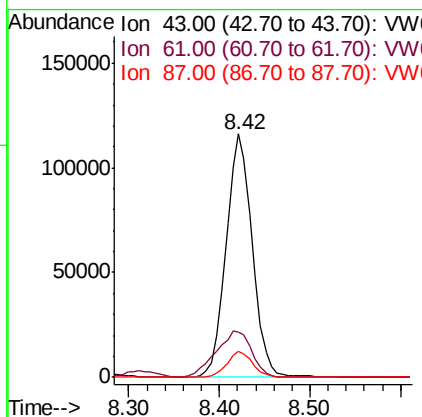
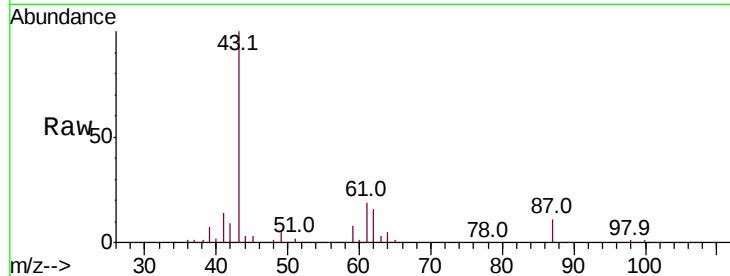
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	234056
Ion	Ratio	Lower	Upper
43	100		
61	25.9	21.0	31.6
87	10.5	8.2	12.4

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#44

Trichloroethene

Concen: 49.684 ug/l

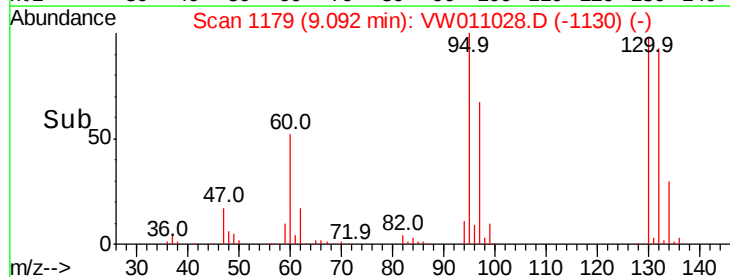
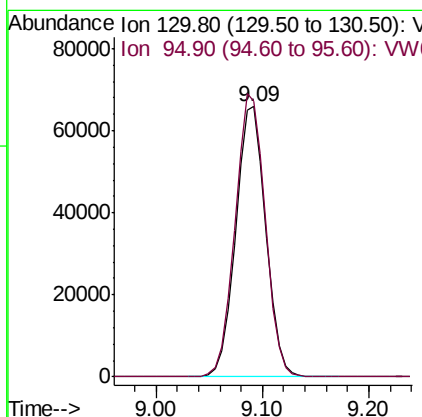
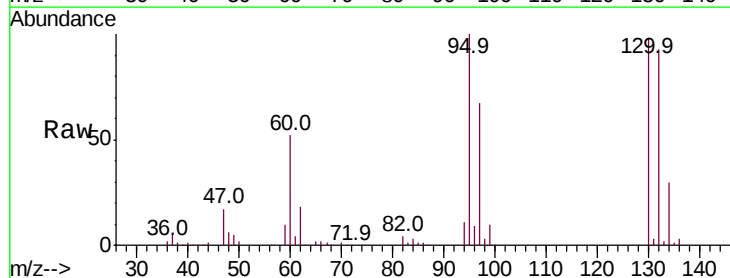
RT: 9.09 min Scan# 1179

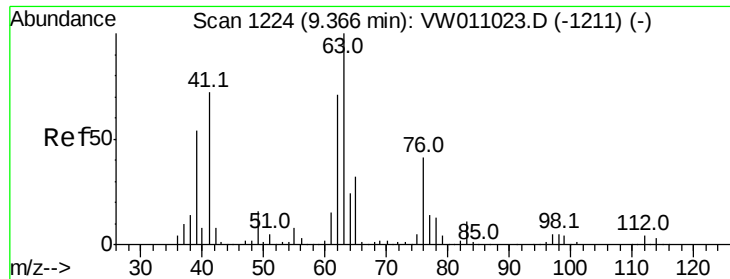
Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Tgt Ion:	130	Resp:	130616
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	202.0





#45

1,2-Dichloropropane

Concen: 50.838 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 150177

Ion Ratio Lower Upper

63 100

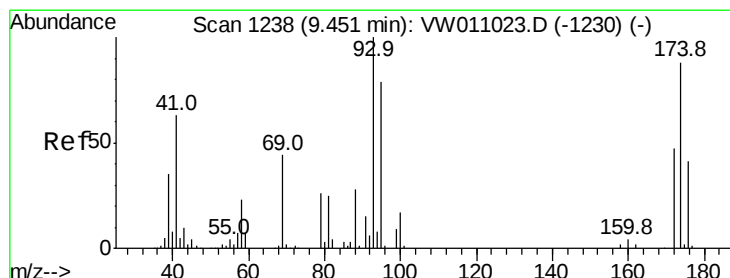
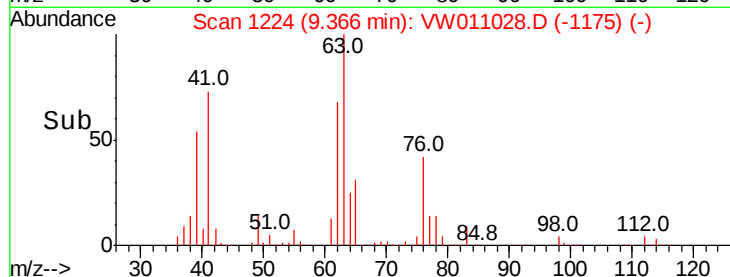
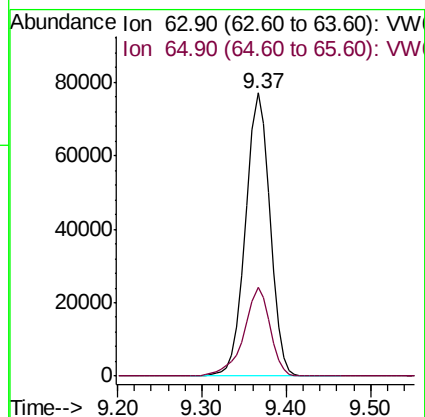
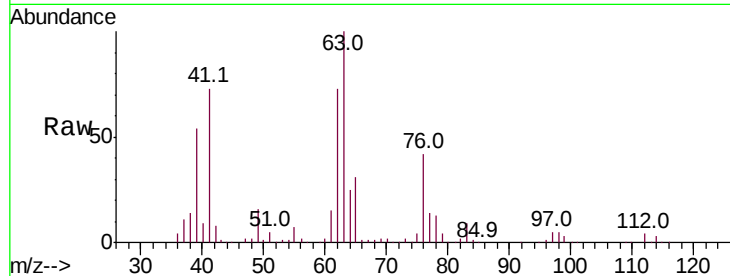
65 31.3 25.6 38.4

Manual Integrations

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#46

Dibromomethane

Concen: 51.872 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

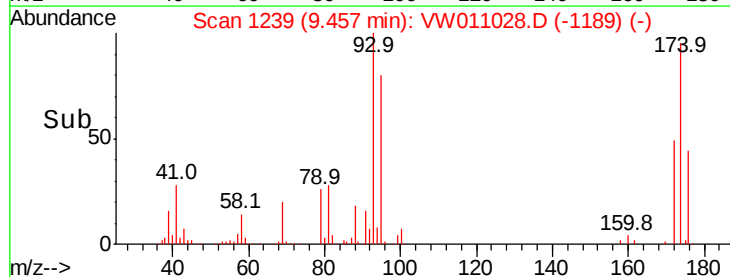
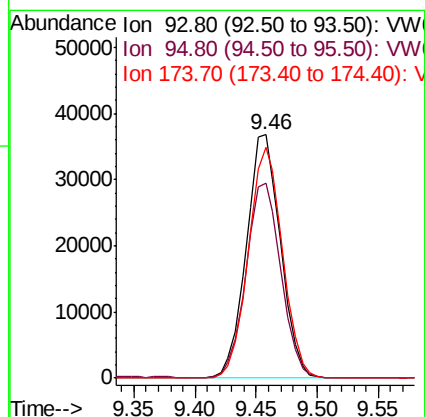
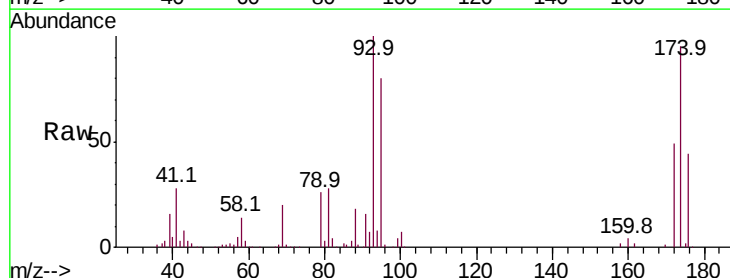
Tgt Ion: 93 Resp: 71663

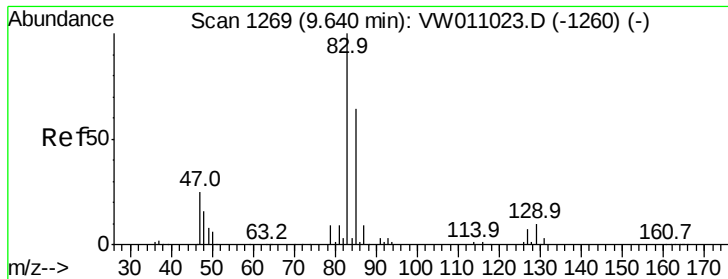
Ion Ratio Lower Upper

93 100

95 81.8 65.8 98.6

174 94.2 75.4 113.0





#47

Bromodichloromethane

Concen: 53.083 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

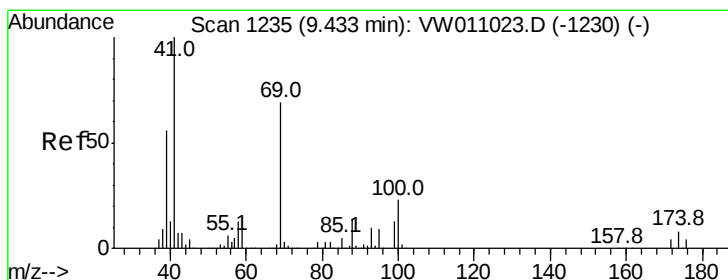
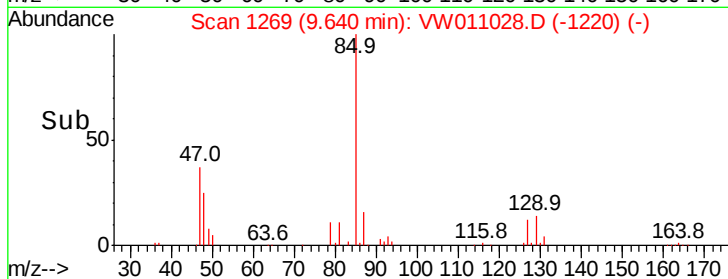
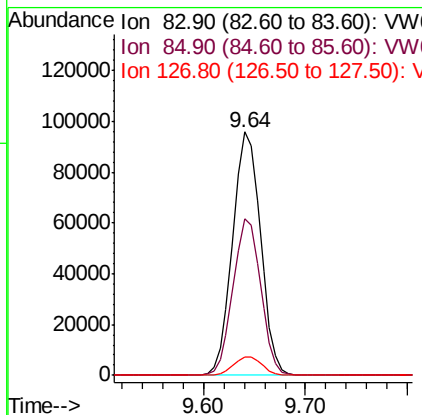
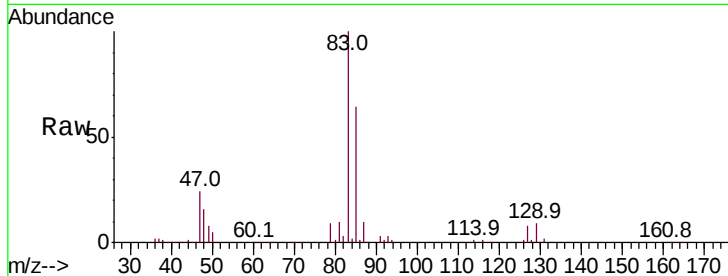
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	181569
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.0	76.4
127	7.5	5.8	8.8

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#48

Methyl methacrylate

Concen: 53.337 ug/l

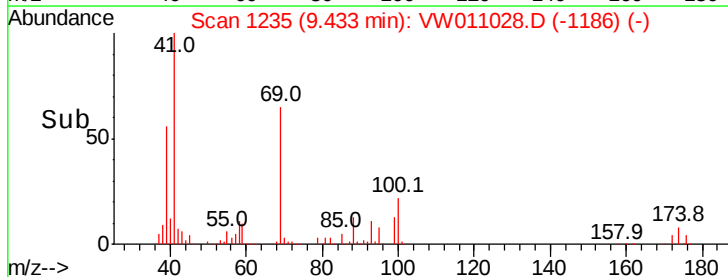
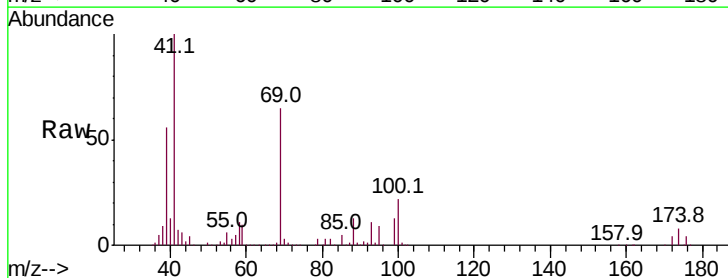
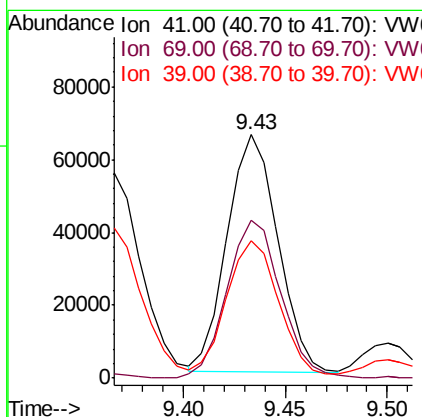
RT: 9.43 min Scan# 1235

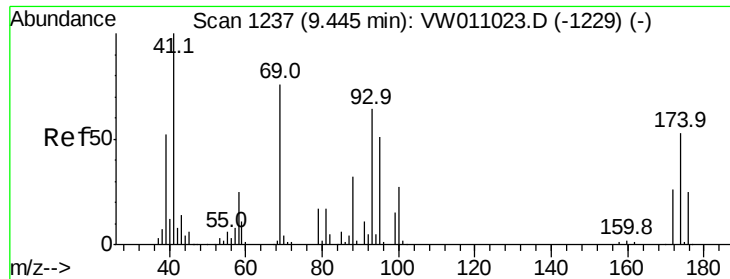
Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Tgt Ion:	41	Resp:	112562
Ion Ratio	Lower	Upper	
41	100		
69	70.1	56.7	85.1
39	57.0	45.0	67.6





#49

1,4-Dioxane

Concen: 1064.451 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

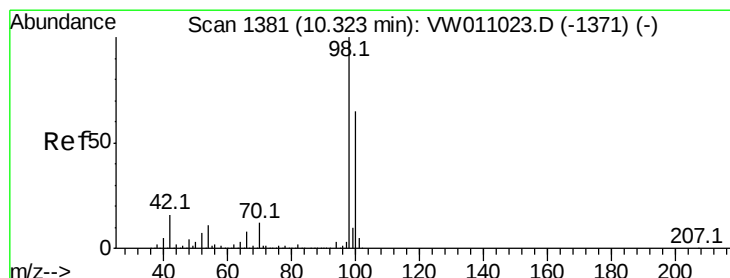
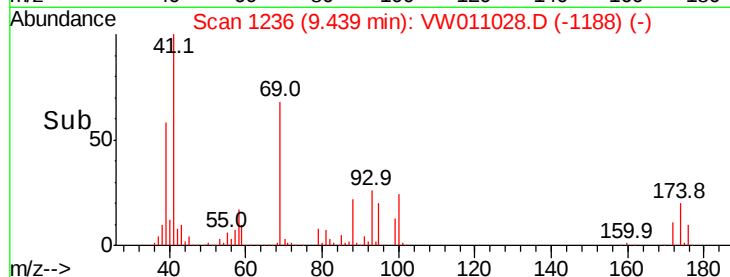
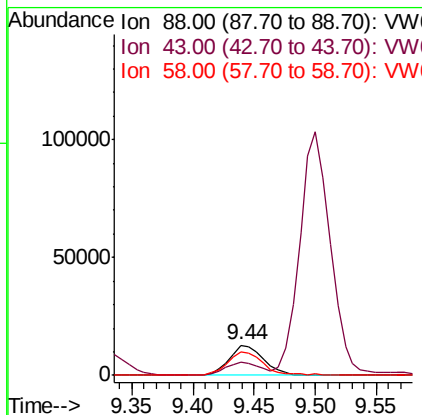
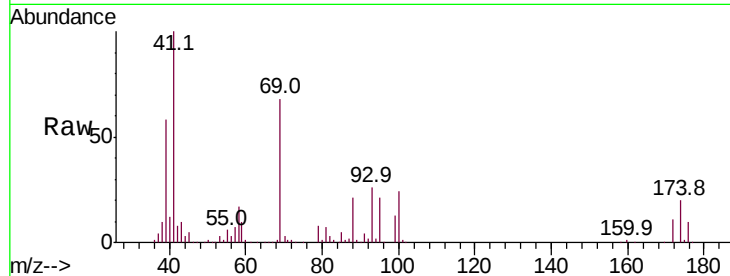
ClientSampled :

VSTDCCC050

Tot Ion:	88	Resp:	24726
Ion	Ratio	Lower	Upper
88	100		
43	42.4	34.4	51.6
58	84.3	65.2	97.8

Manual Integrations
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#50

Toluene-d8

Concen: 51.229 ug/l

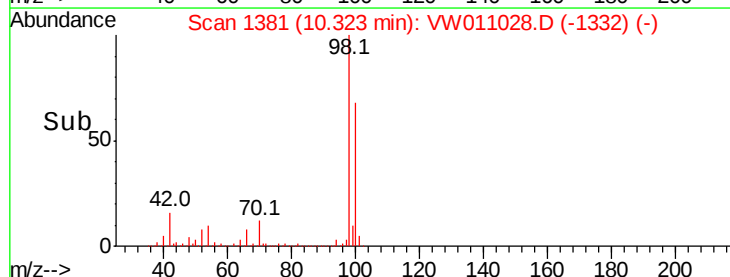
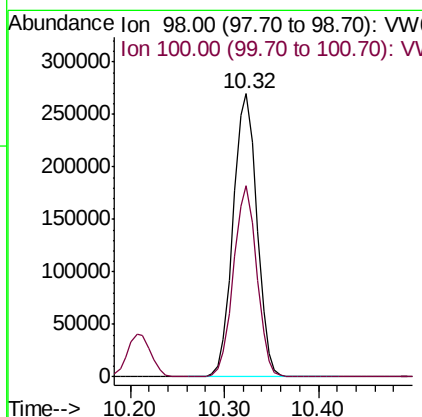
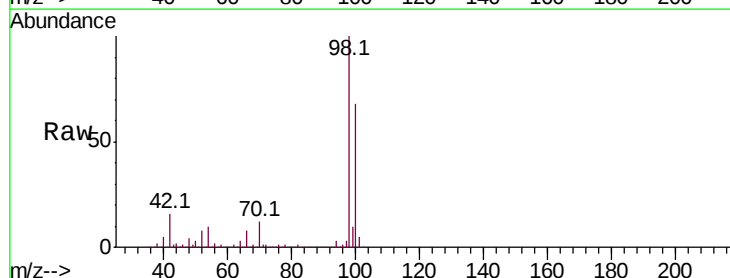
RT: 10.32 min Scan# 1381

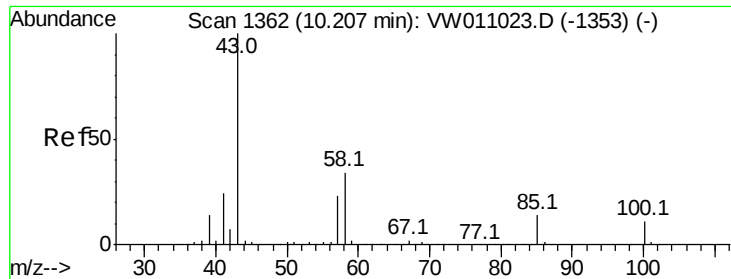
Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Tgt Ion:	98	Resp:	473820
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 267.617 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 613142

Ion Ratio Lower Upper

43 100

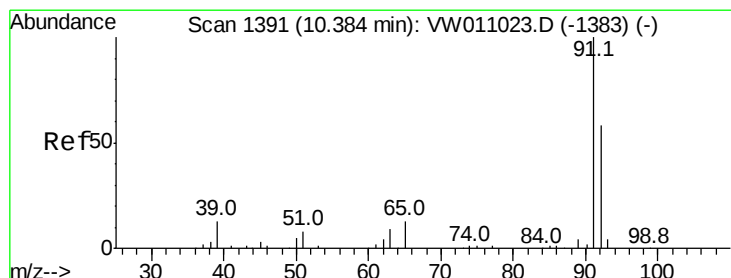
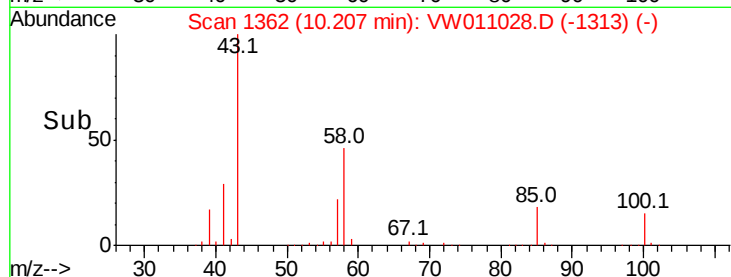
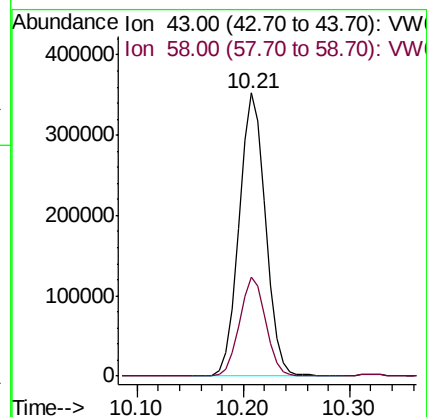
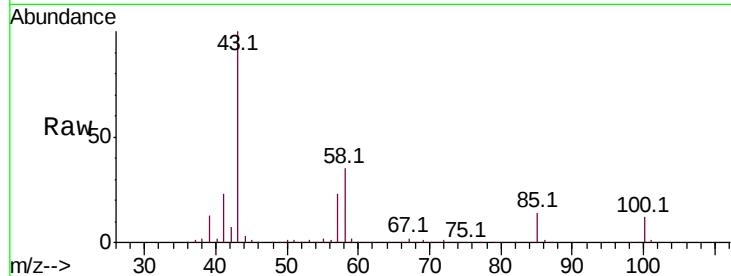
58 35.0 27.8 41.6

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#52

Toluene

Concen: 51.093 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011028.D

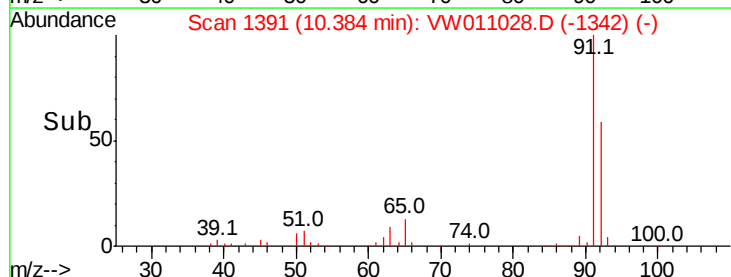
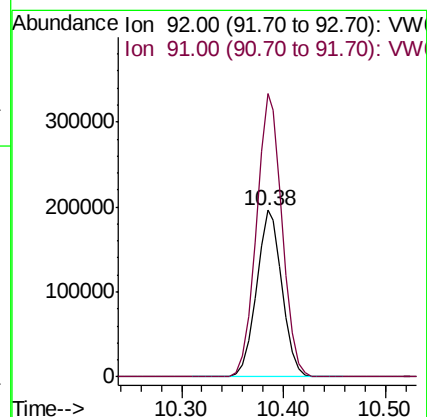
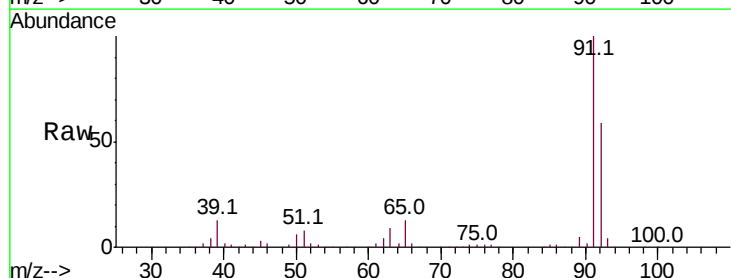
Acq: 27 Jun 2019 20:25

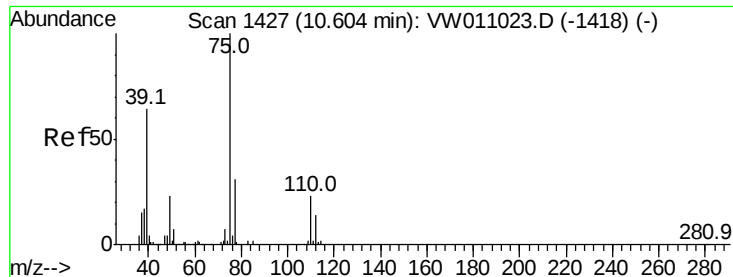
Tgt Ion: 92 Resp: 340273

Ion Ratio Lower Upper

92 100

91 171.0 136.9 205.3





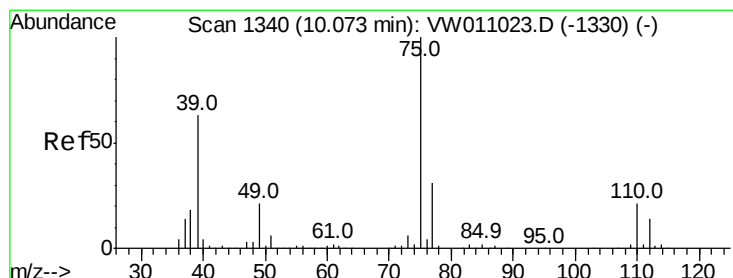
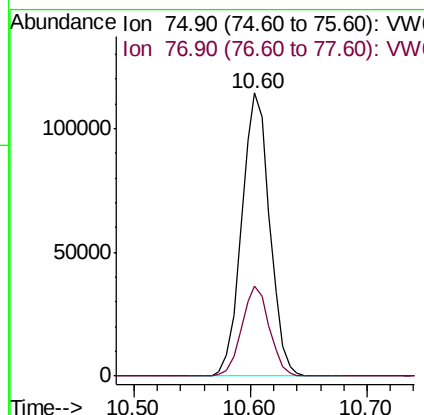
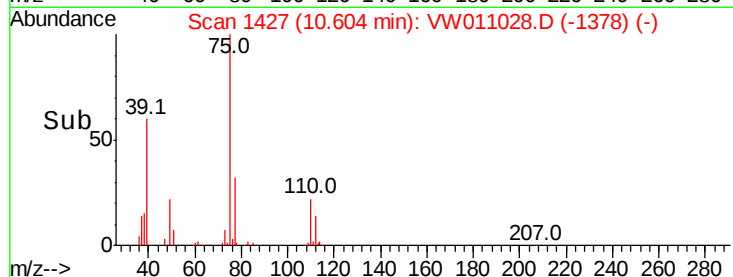
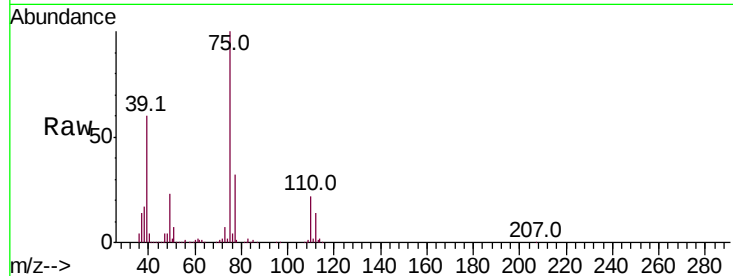
#53
t-1,3-Dichloropropene
Concen: 53.829 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	37.0

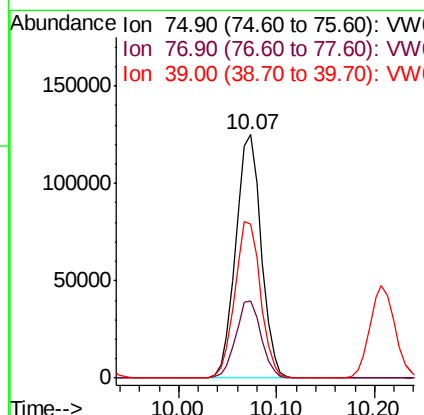
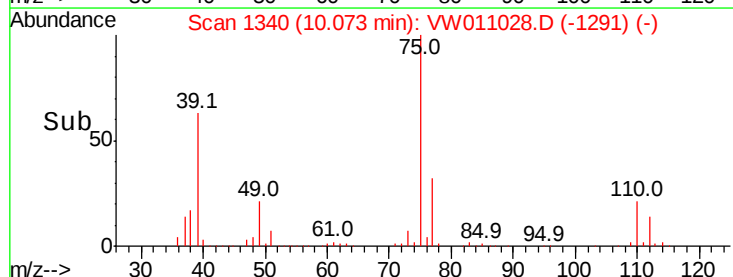
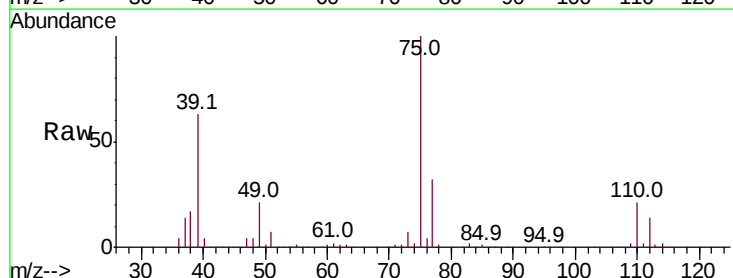
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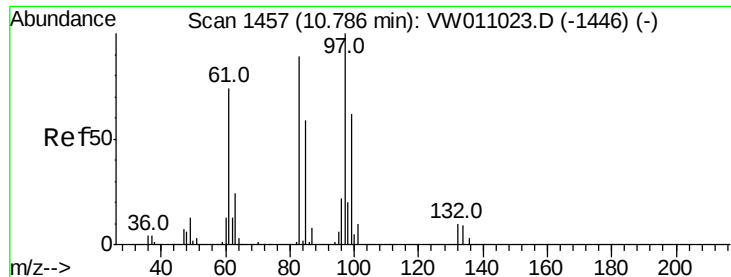
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#54
cis-1,3-Dichloropropene
Concen: 53.178 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2
39	63.4	50.0	75.0





#55

1,1,2-Trichloroethane

Concen: 52.230 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 101945

Ion Ratio Lower Upper

97 100

83 89.7 70.9 106.3

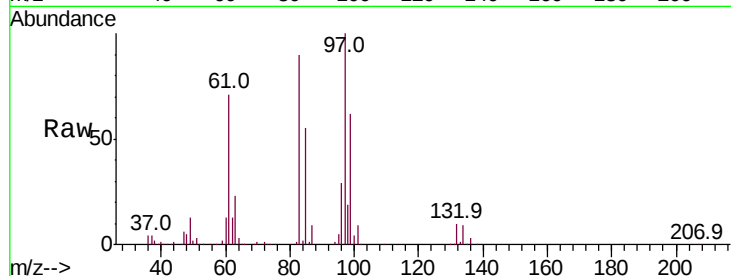
85 55.4 47.2 70.8

99 61.9 50.0 75.0

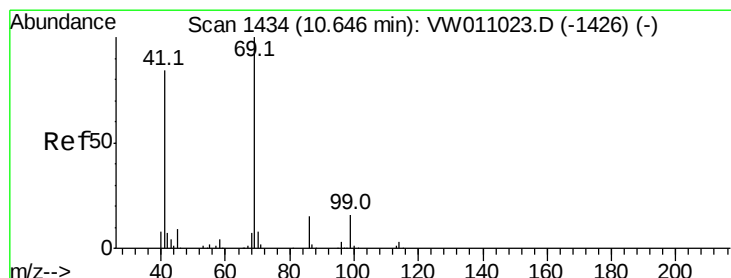
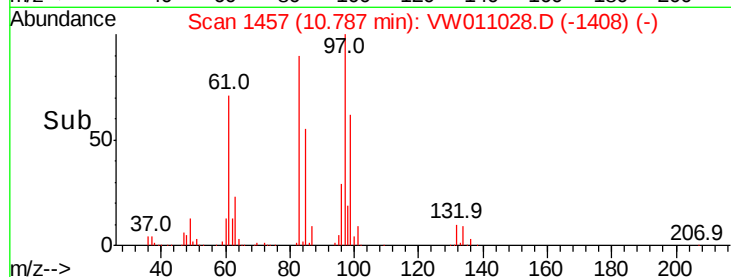
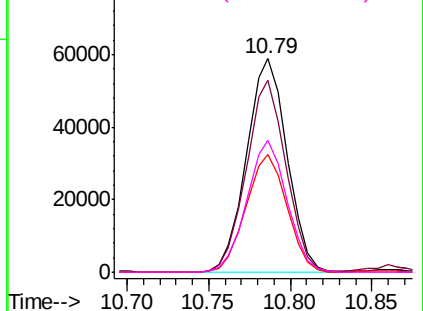
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Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 55.136 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

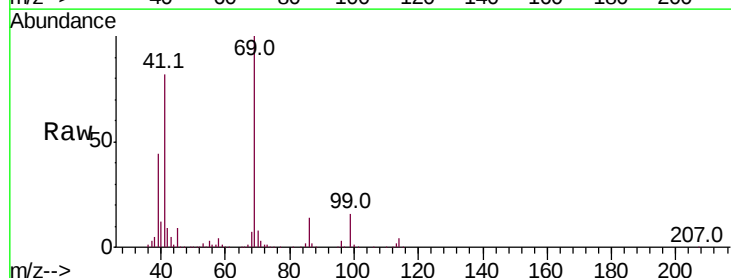
Tgt Ion: 69 Resp: 161152

Ion Ratio Lower Upper

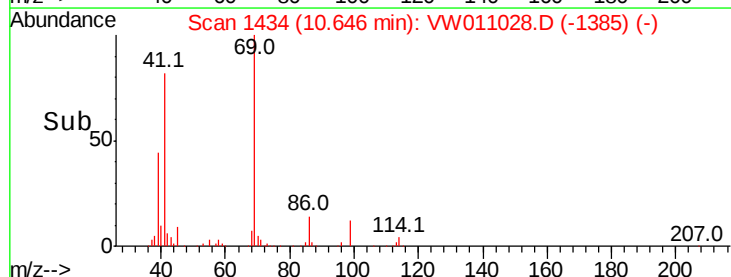
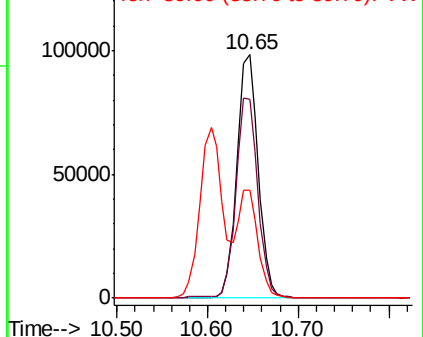
69 100

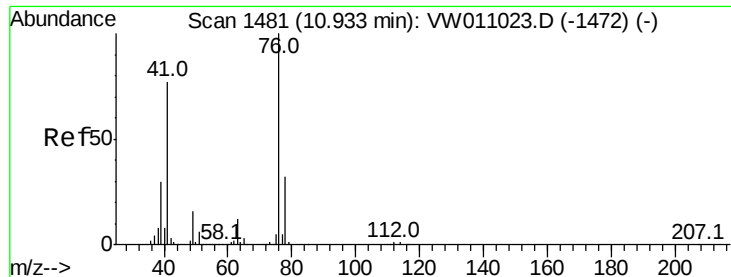
41 83.1 67.9 101.9

39 39.8 33.2 49.8



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





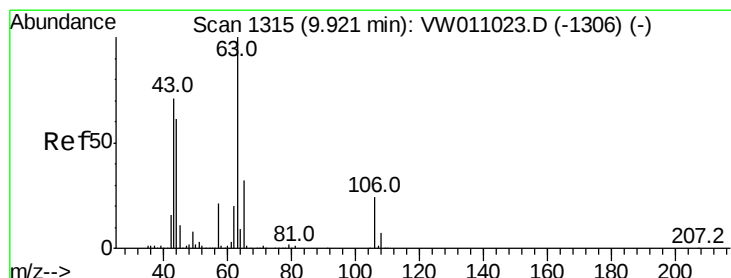
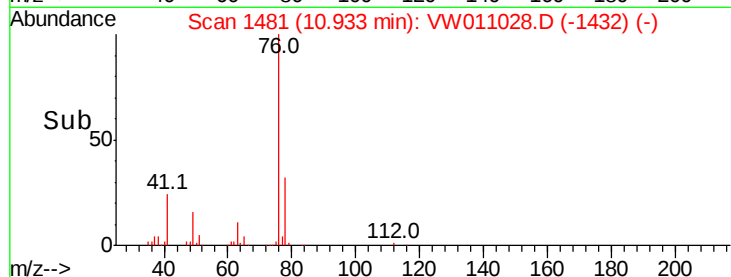
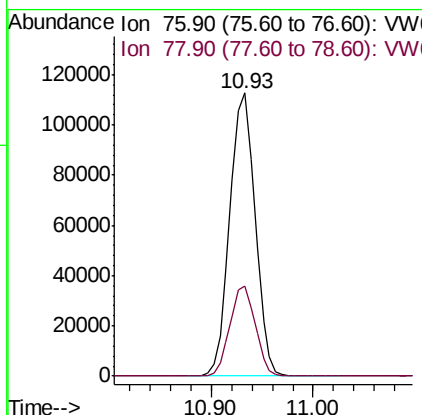
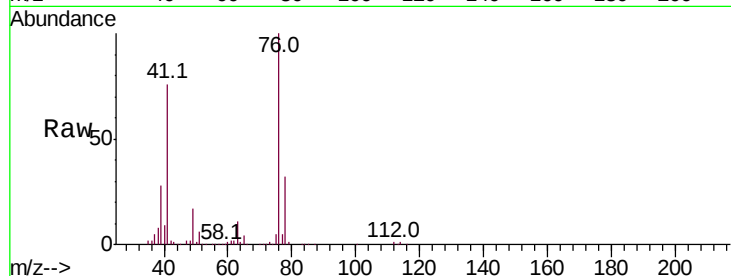
#57
 1,3-Dichloropropane
 Concen: 52.154 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 193639
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

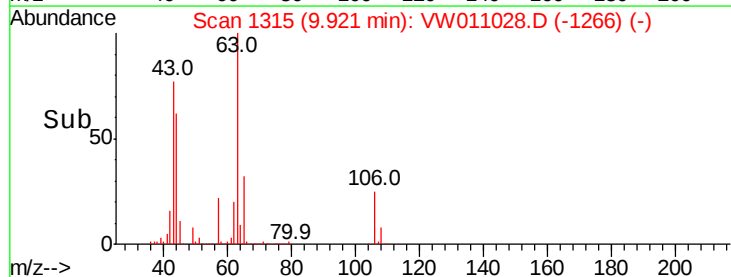
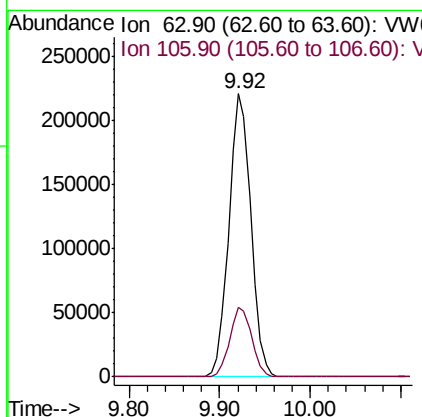
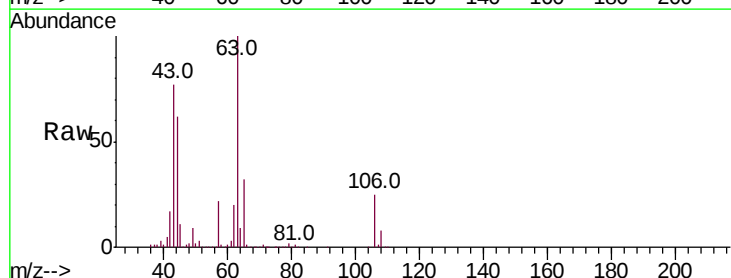
Manual Integrations
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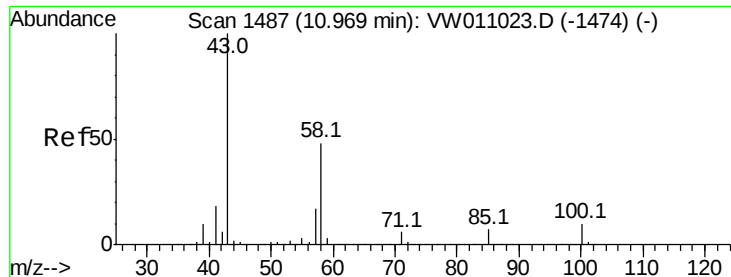
MMDadoda
 6/28/2019 10:25:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.050 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion: 63 Resp: 375702
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.4 29.0





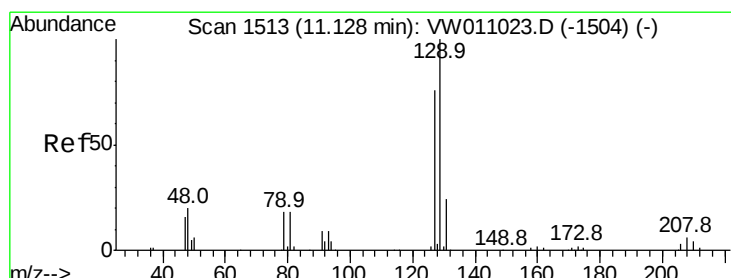
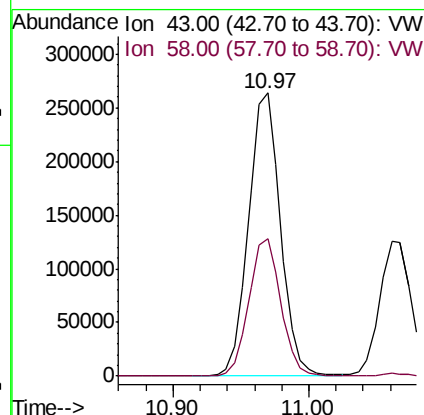
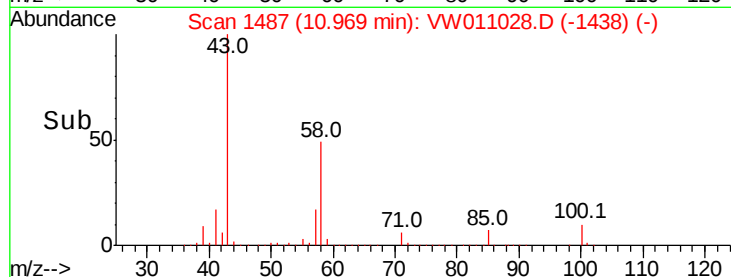
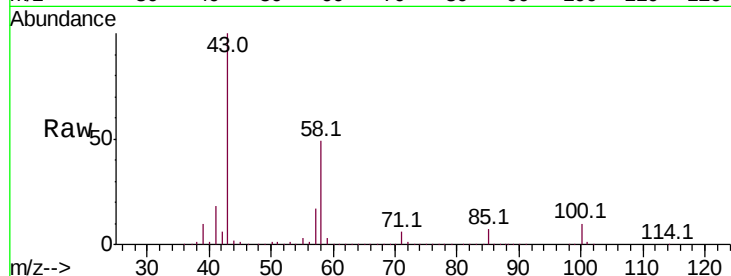
#59
2-Hexanone
Concen: 271.187 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 433290
Ion Ratio Lower Upper
43 100
58 48.7 23.8 71.5

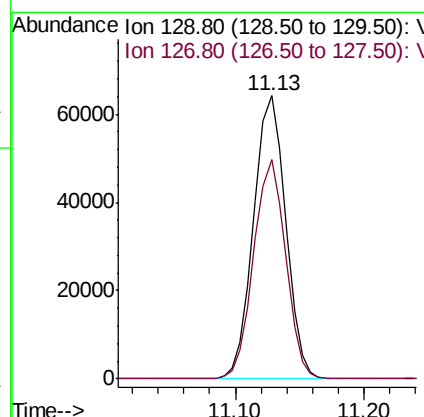
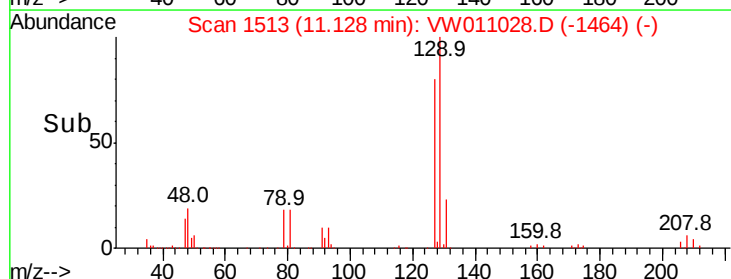
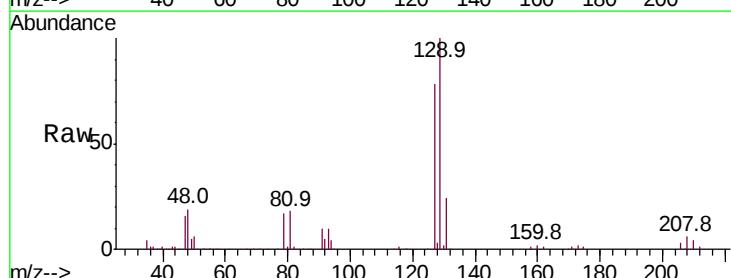
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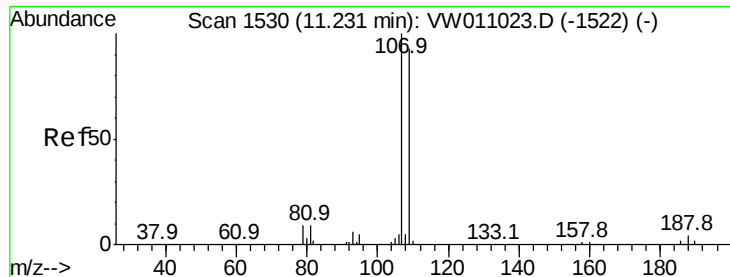
MMDadoda
6/28/2019 10:25:22 AM



#60
Dibromochloromethane
Concen: 54.103 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion:129 Resp: 110738
Ion Ratio Lower Upper
129 100
127 76.8 39.4 118.1





#61

1,2-Dibromoethane

Concen: 52.614 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 96138

Ion Ratio Lower Upper

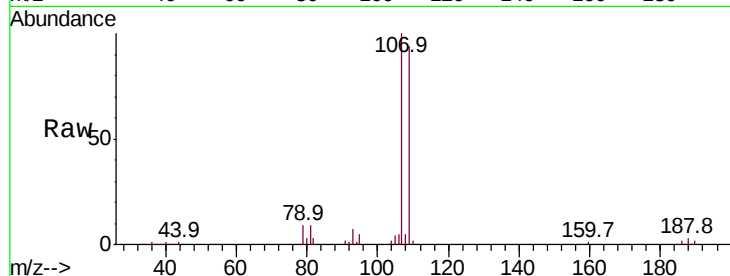
107 100

109 93.3 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

60000

50000

40000

30000

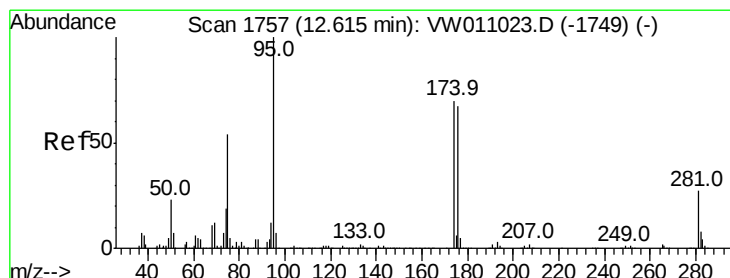
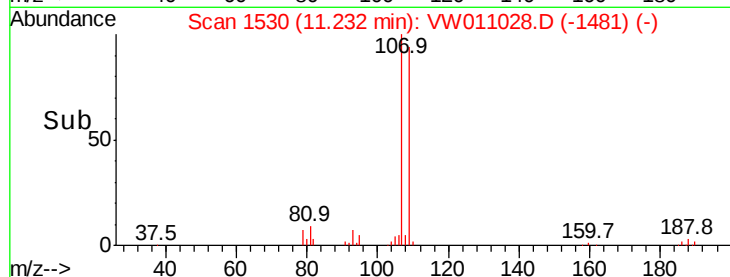
20000

10000

0

11.20 11.30

Time-->



#62

4-Bromofluorobenzene

Concen: 50.940 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

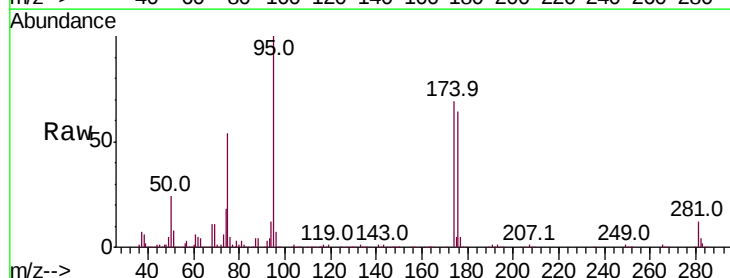
Tgt Ion: 95 Resp: 172323

Ion Ratio Lower Upper

95 100

174 73.3 0.0 149.2

176 71.0 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

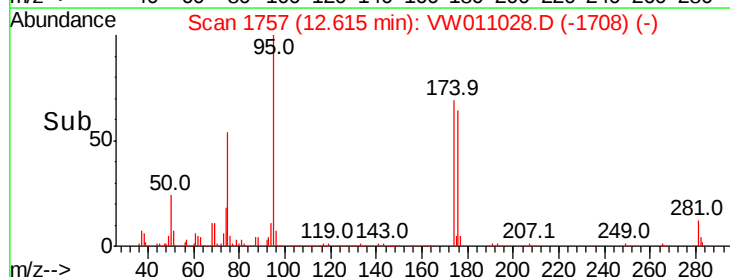
100000

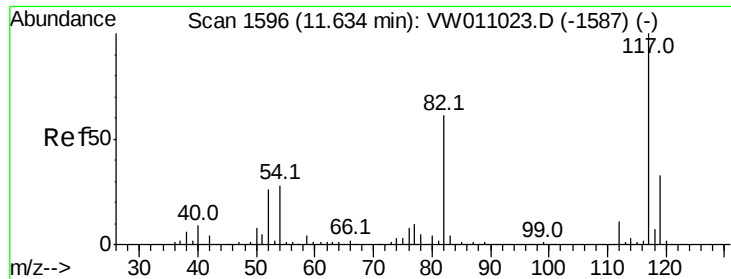
50000

0

12.55 12.60 12.65

Time-->





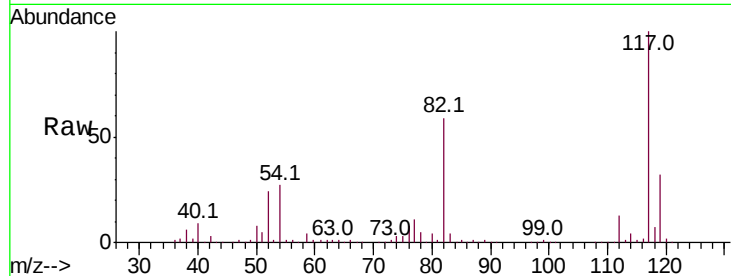
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	48.6	73.0
119	31.5	26.1	39.1

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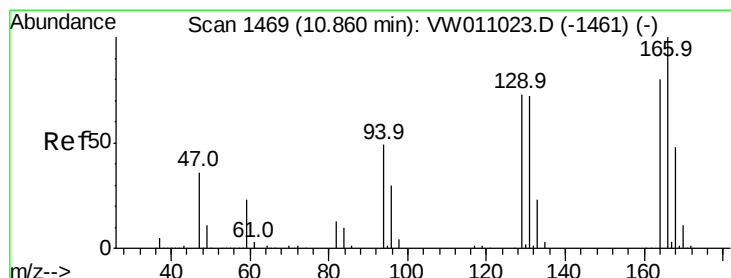
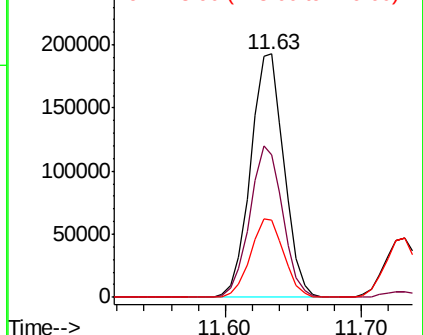
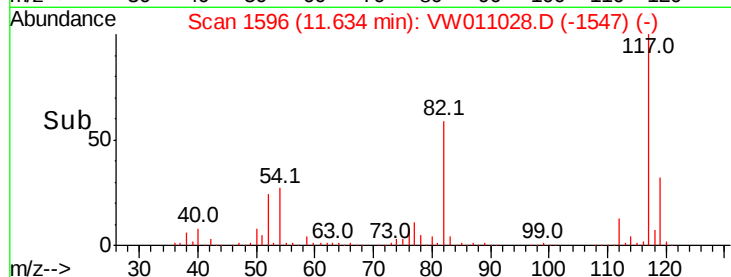


Abundance

Ion 116.90 (116.60 to 117.60): V

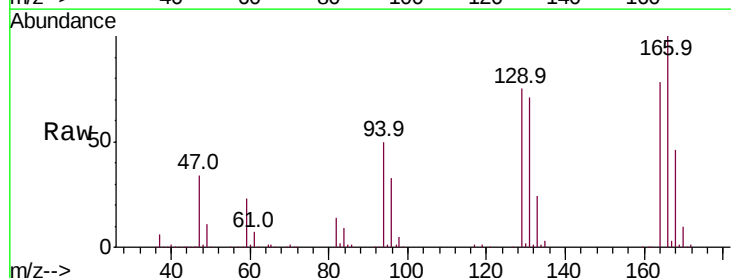
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.837 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	99.8	149.6
129	96.3	73.0	109.4
131	90.6	71.4	107.0



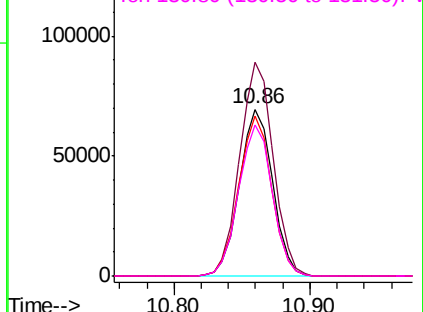
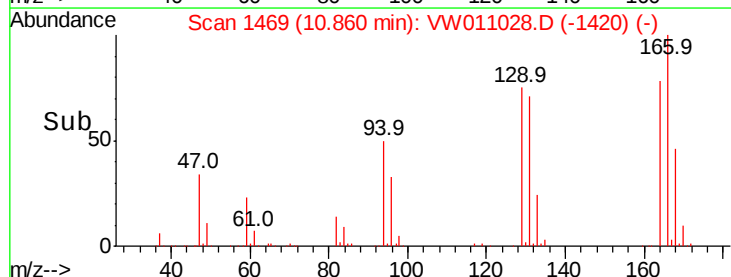
Abundance

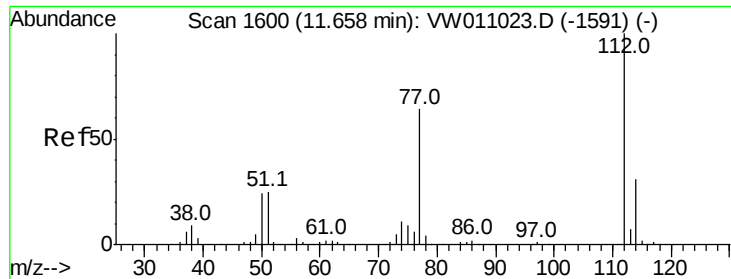
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





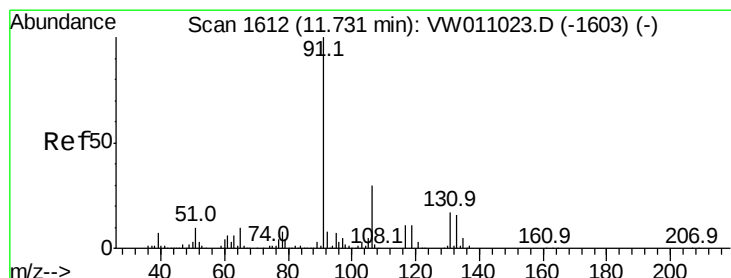
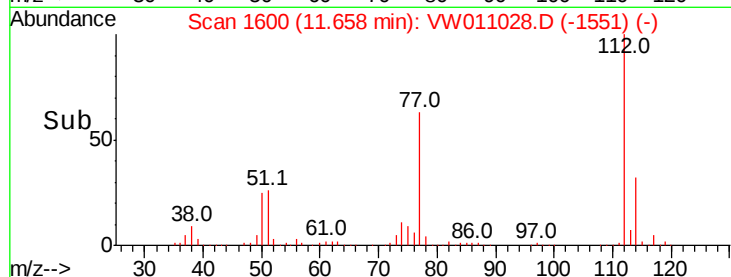
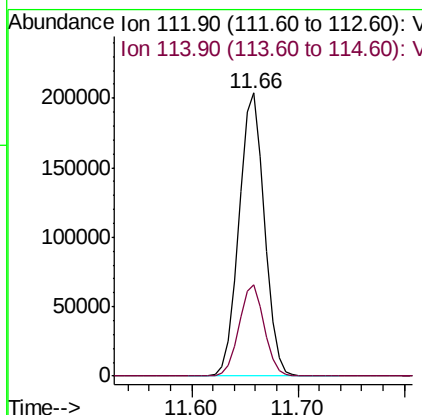
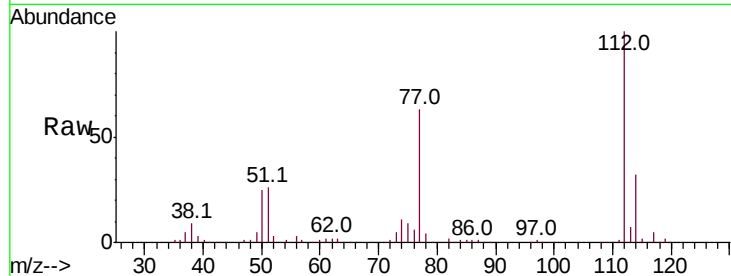
#65
Chlorobenzene
Concen: 50.281 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 341578
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8

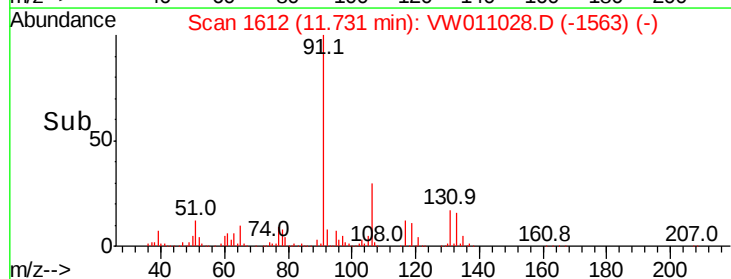
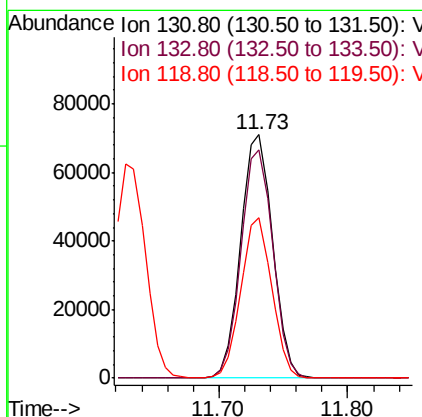
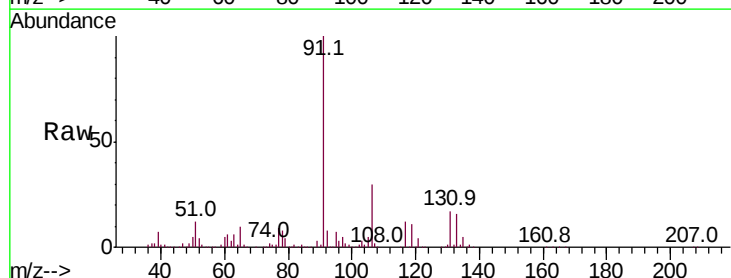
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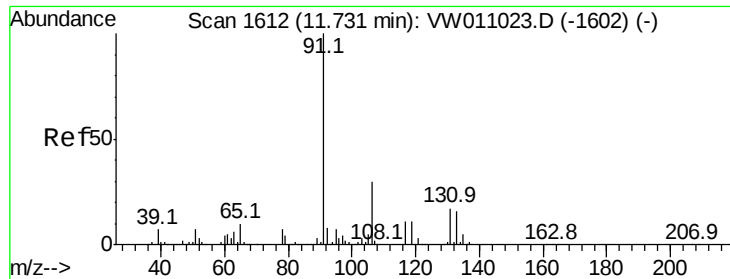
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6/28/2019 10:25:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.678 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion:131 Resp: 121502
Ion Ratio Lower Upper
131 100
133 93.8 47.7 143.1
119 64.0 33.1 99.2





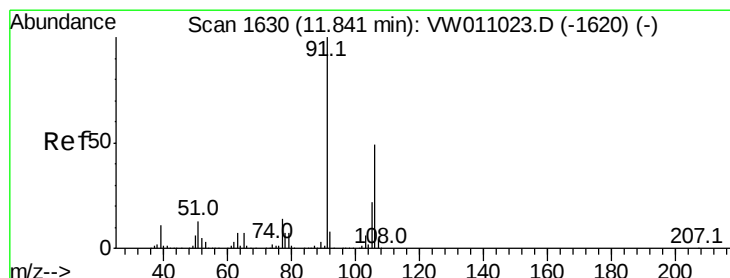
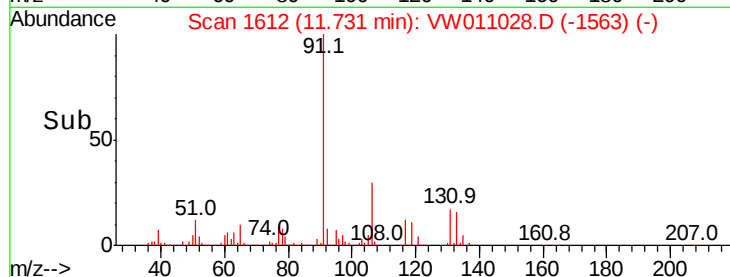
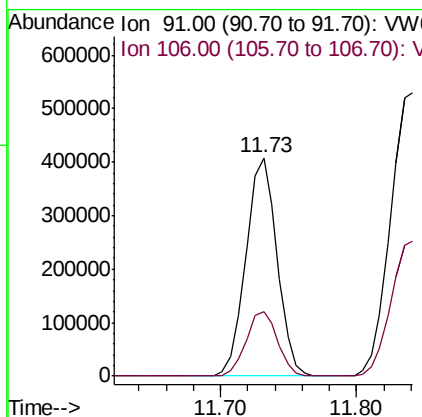
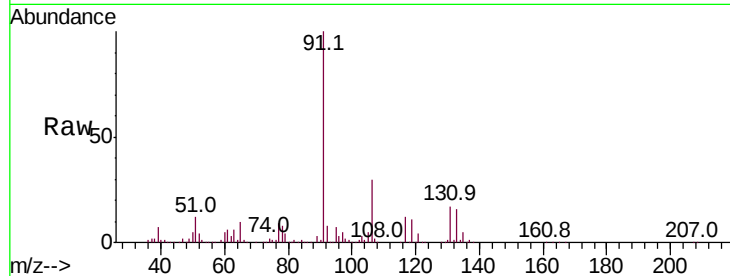
#67
Ethyl Benzene
Concen: 50.386 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 655590
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6

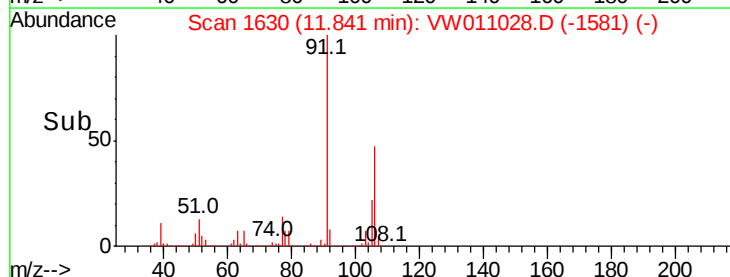
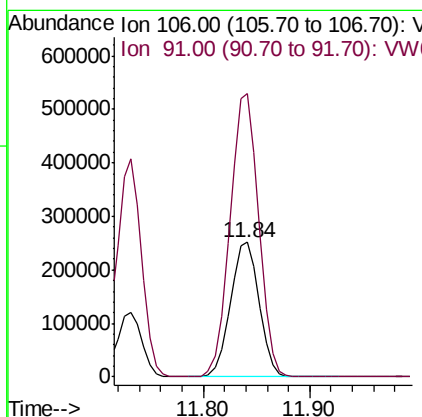
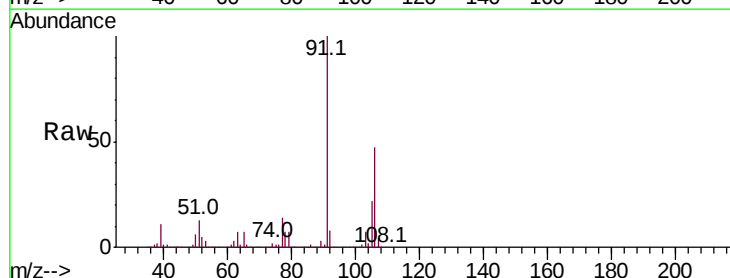
Manual Integrations
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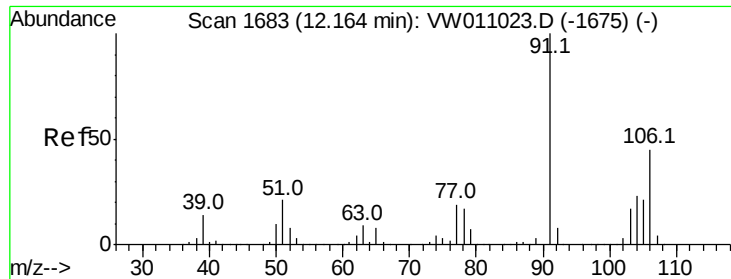
MMDadoda
6/28/2019 10:25:22 AM



#68
m/p-Xylenes
Concen: 100.405 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion: 106 Resp: 474044
Ion Ratio Lower Upper
106 100
91 210.3 167.5 251.3





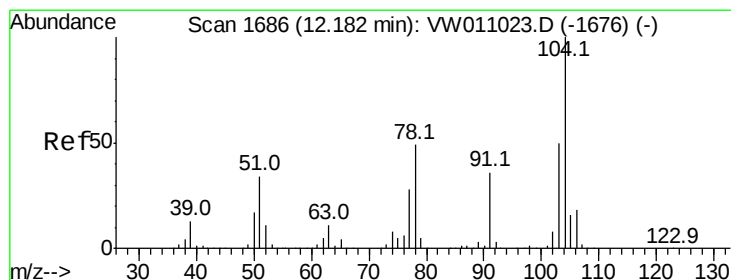
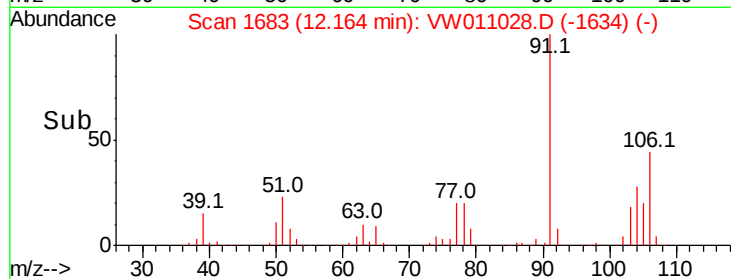
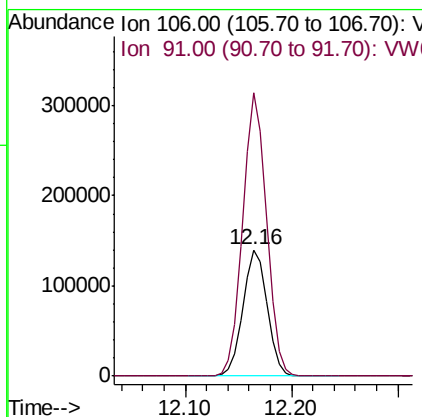
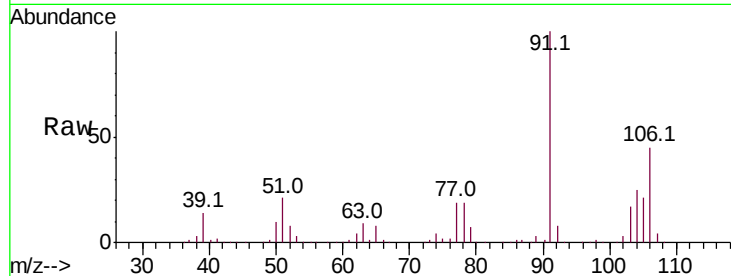
#69
o-Xylene
Concen: 50.979 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 224184
Ion Ratio Lower Upper
106 100
91 221.1 110.8 332.3

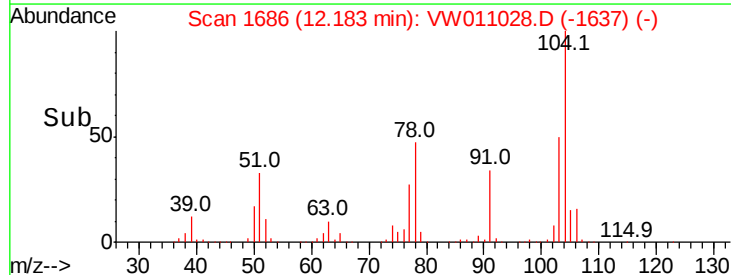
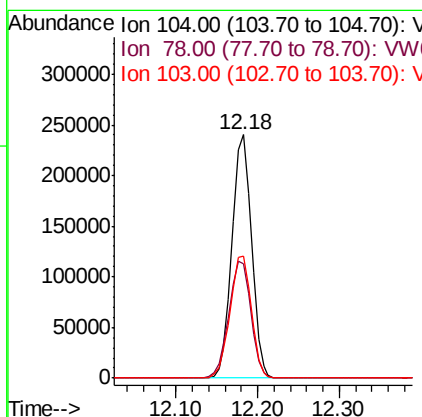
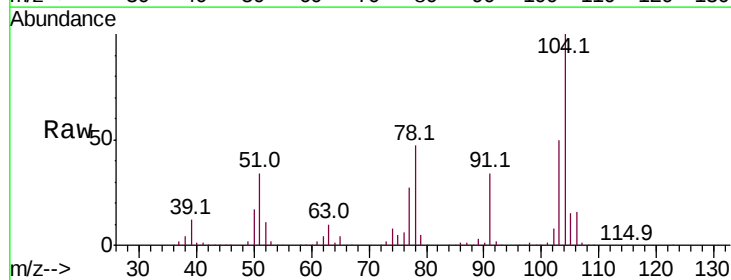
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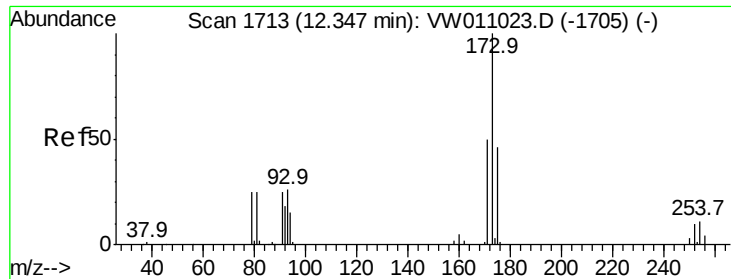
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6/28/2019 10:25:22 AM



#70
Styrene
Concen: 51.740 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion:104 Resp: 395384
Ion Ratio Lower Upper
104 100
78 54.0 43.7 65.5
103 54.6 43.9 65.9





#71

Bromoform

Concen: 54.147 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 60884

Ion Ratio Lower Upper

173 100

175 49.3 24.1 72.2

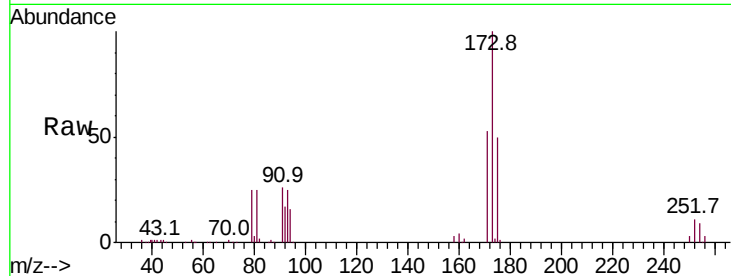
254 0.1 0.0 0.0#

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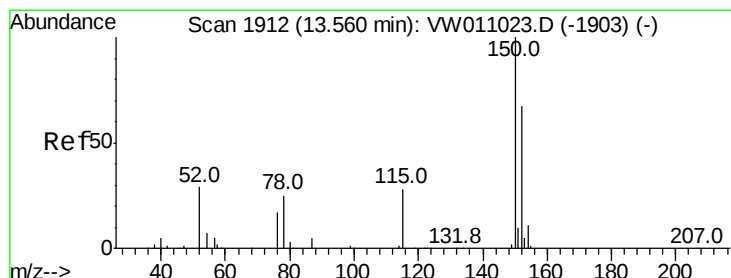
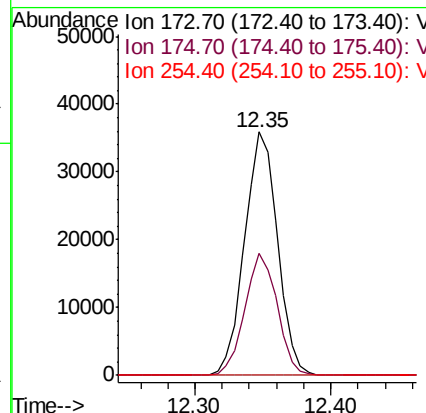
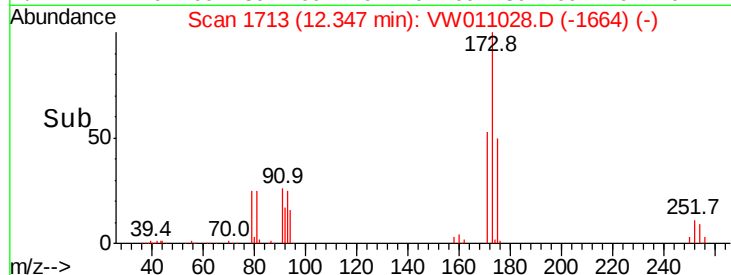
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

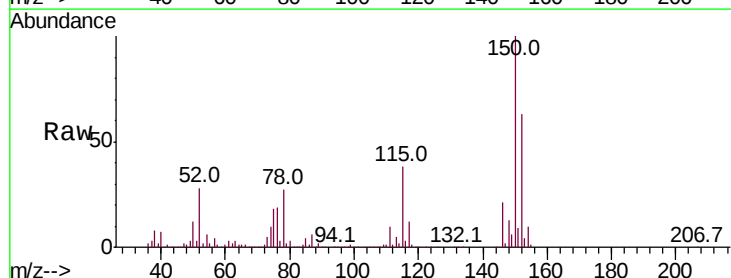
Tgt Ion:152 Resp: 160910

Ion Ratio Lower Upper

152 100

115 61.2 30.7 92.1

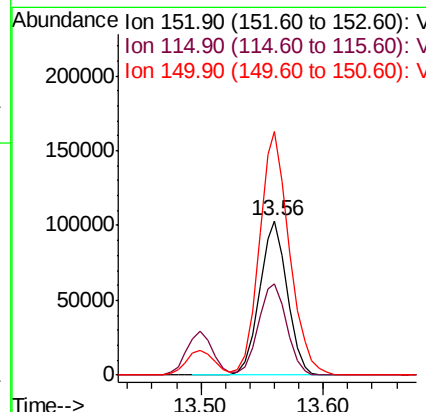
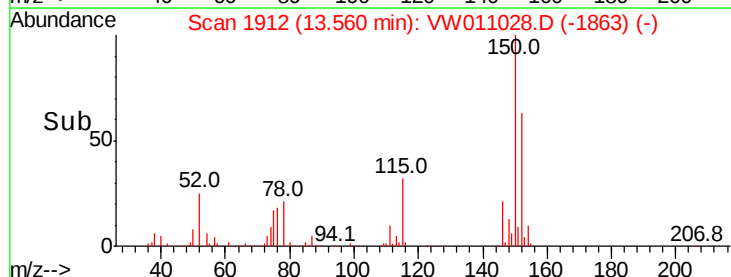
150 172.6 0.0 341.8

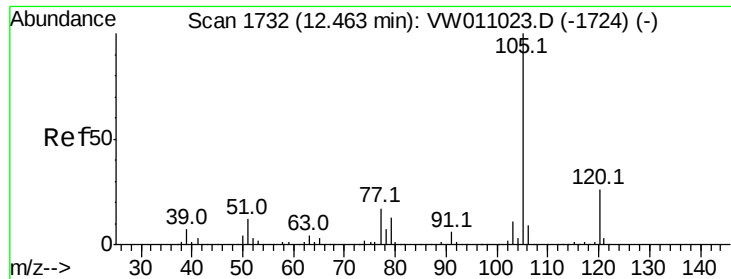


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





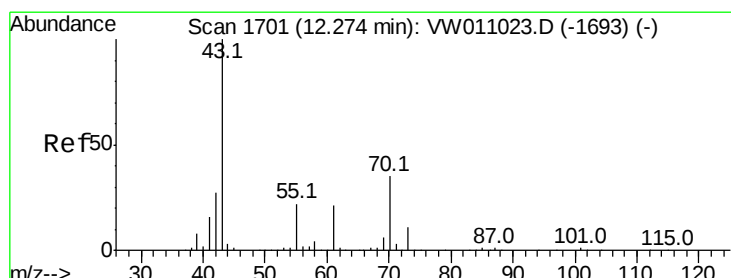
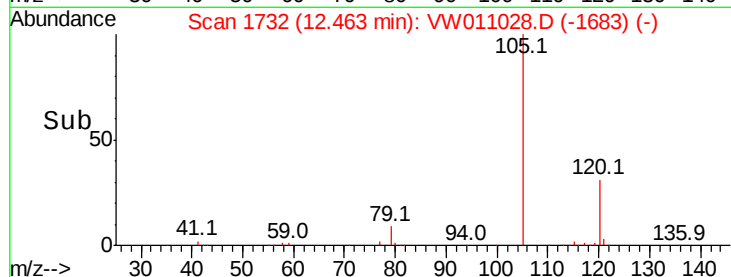
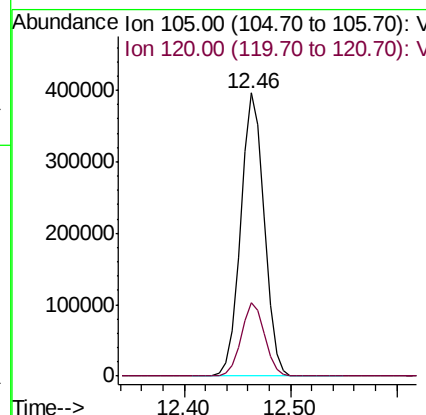
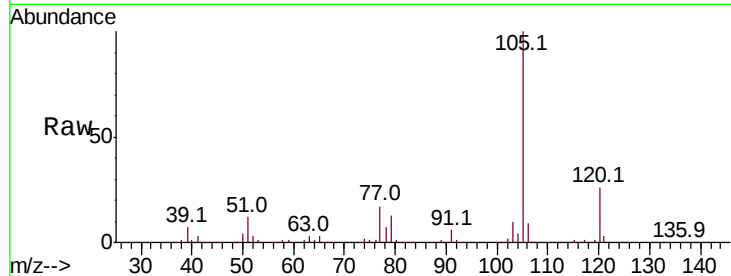
#73
Isopropylbenzene
Concen: 50.900 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.9	38.6

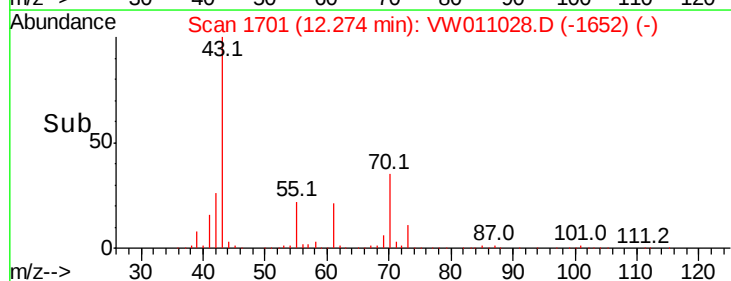
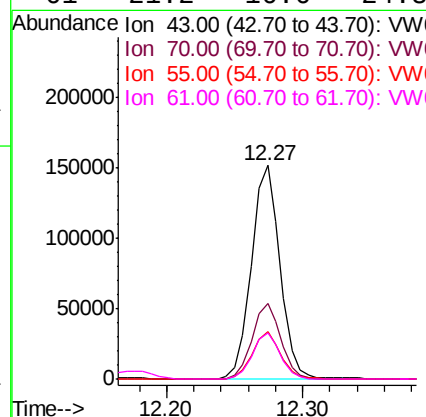
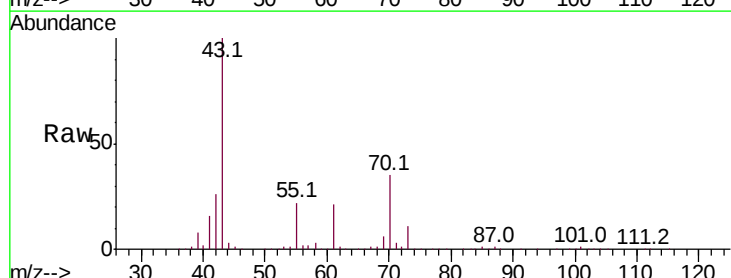
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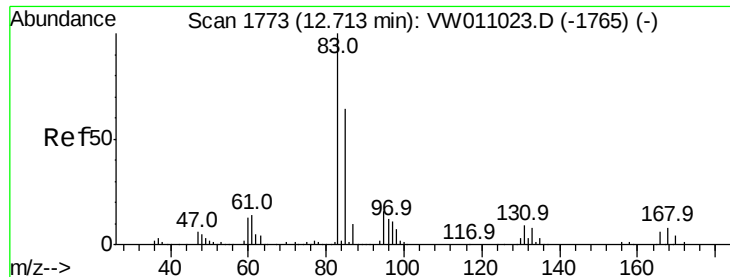
MMDadoda
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#74
N-ethyl acetate
Concen: 54.932 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.7	28.2	42.4
55	22.5	17.8	26.8
61	21.2	16.6	24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.289 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

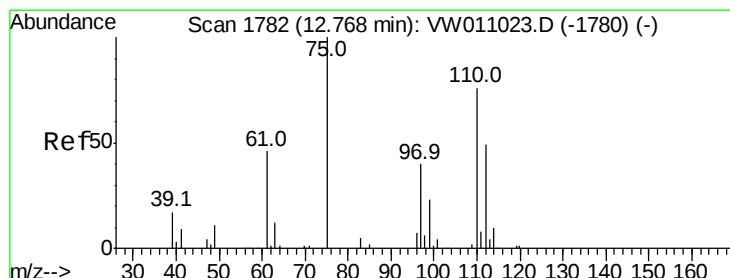
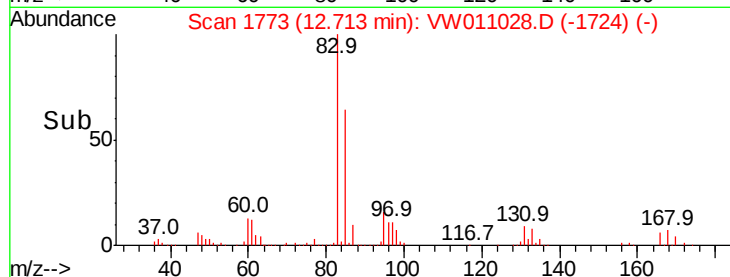
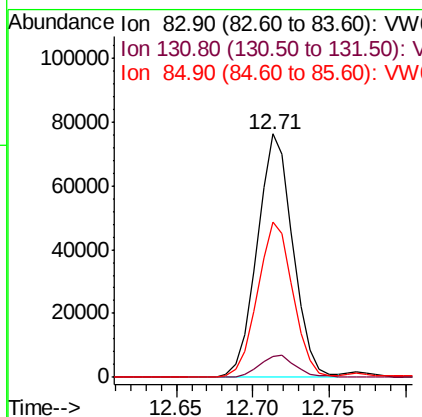
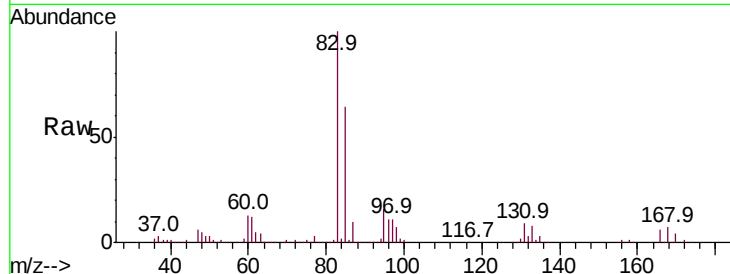
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	123777
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	14.9
85	63.5	31.8	95.4

Manual Integrations
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6/28/2019 10:25:22 AM



#76

1,2,3-Trichloropropane

Concen: 49.844 ug/l m

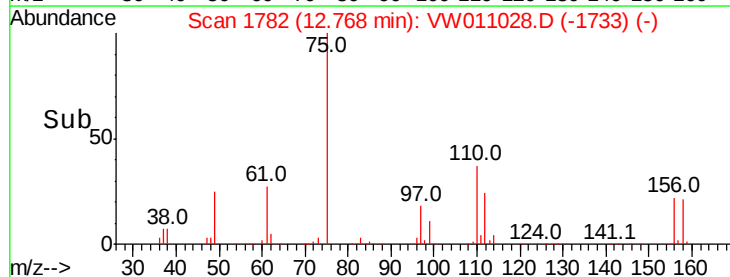
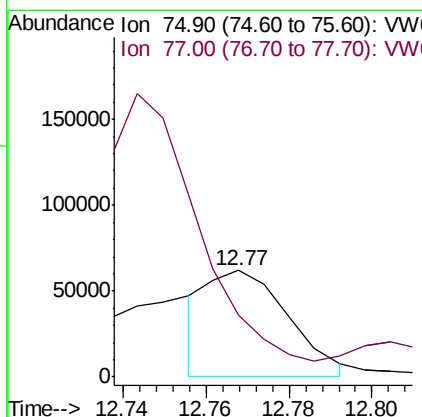
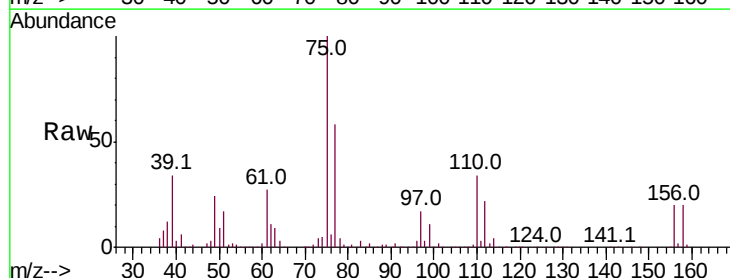
RT: 12.77 min Scan# 1782

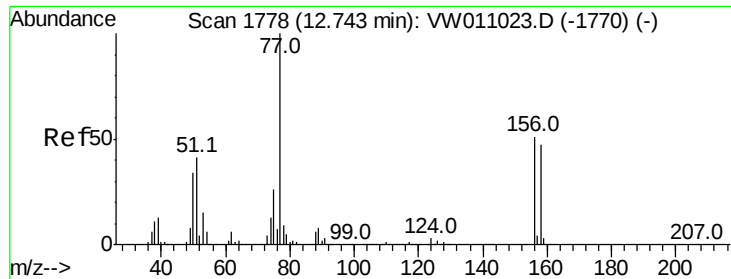
Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Tgt Ion:	75	Resp:	84675
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.689 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

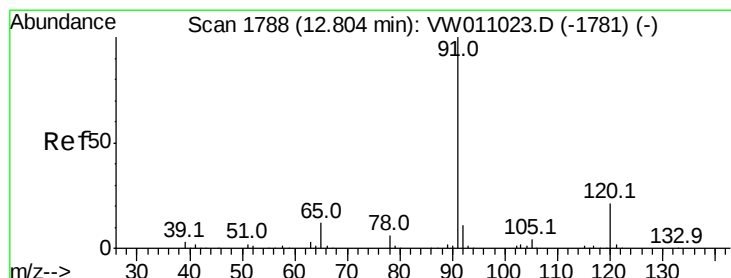
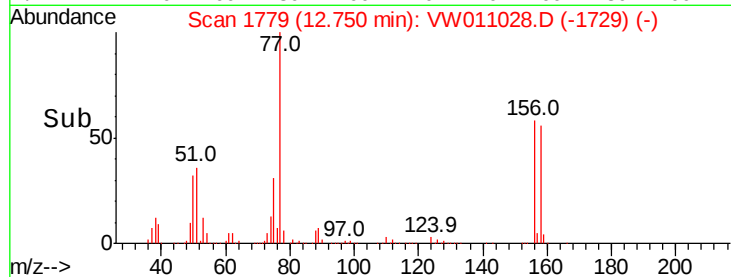
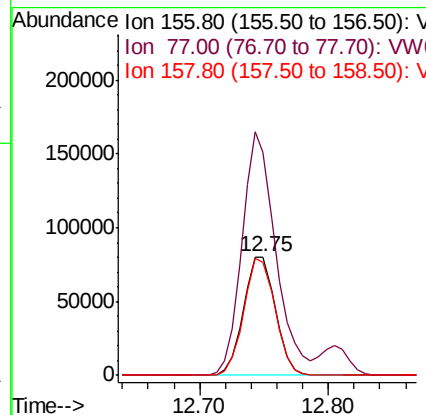
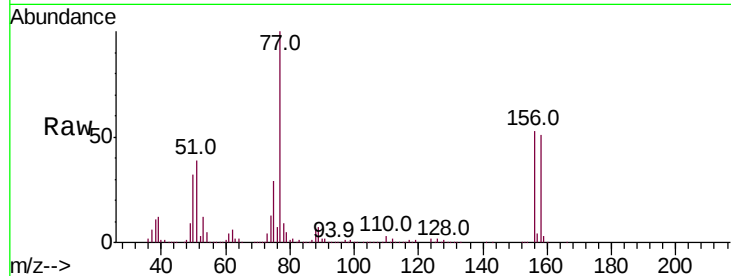
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	217.6	109.5	328.5
158	97.0	48.6	145.9

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#78

n-propylbenzene

Concen: 50.881 ug/l

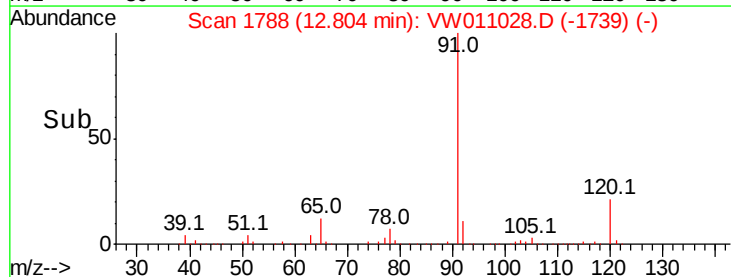
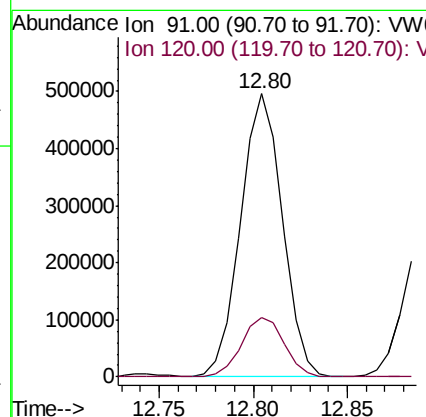
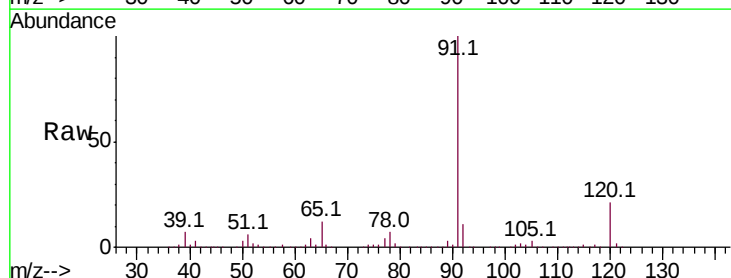
RT: 12.80 min Scan# 1788

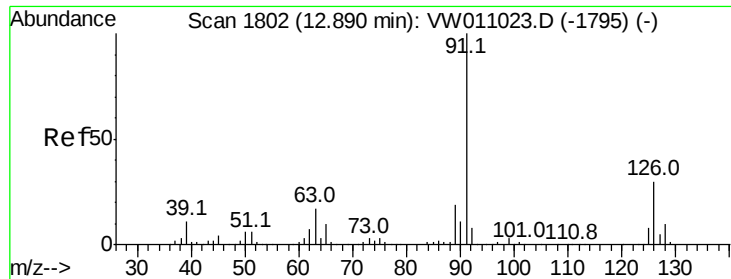
Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.5	31.6





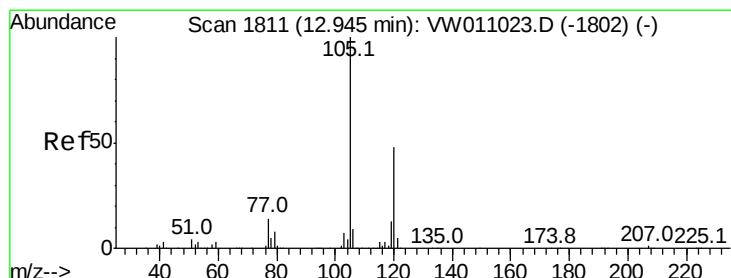
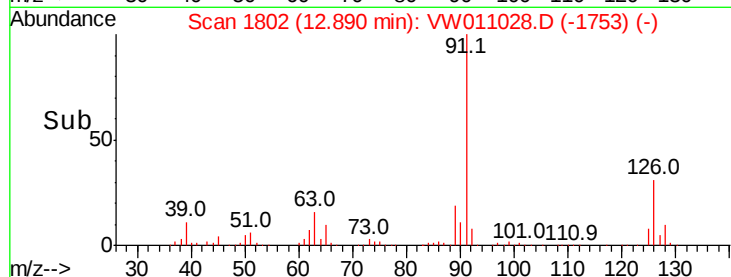
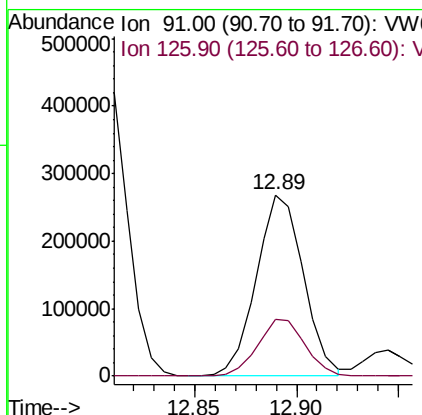
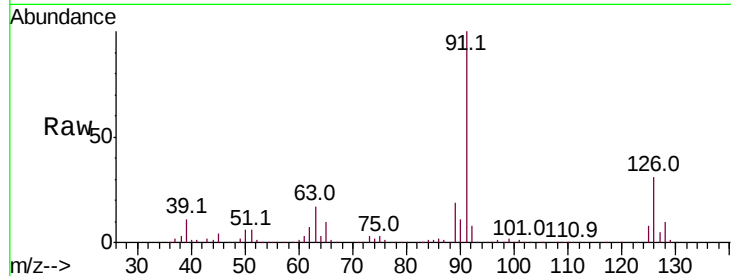
#79
 2-Chlorotoluene
 Concen: 50.538 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 430997
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.4 46.4

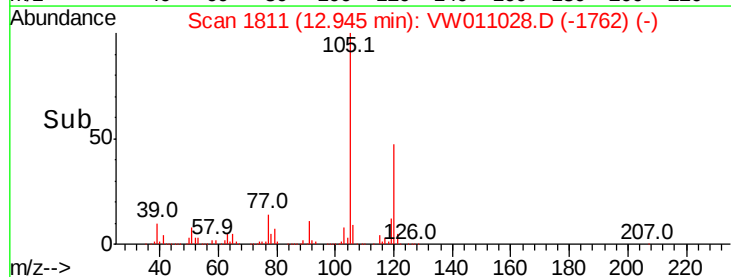
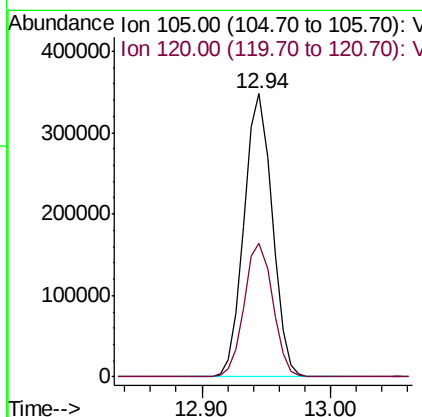
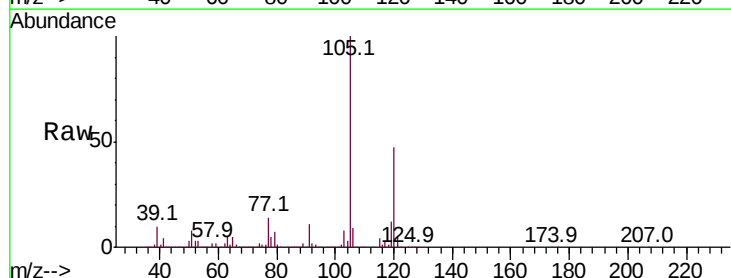
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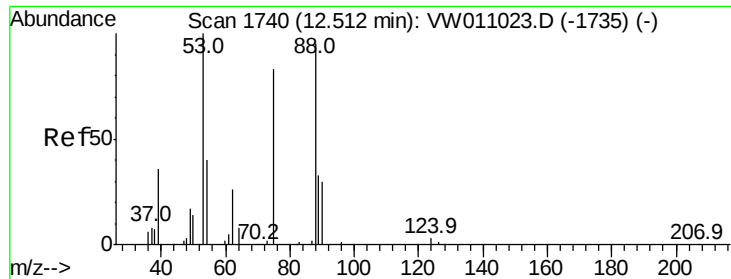
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.447 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion: 105 Resp: 525638
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 48.177 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 38335

Ion Ratio Lower Upper

75 100

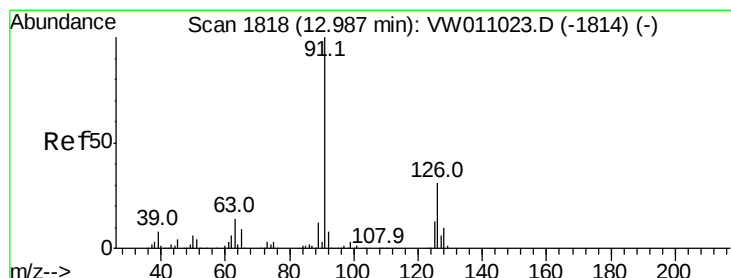
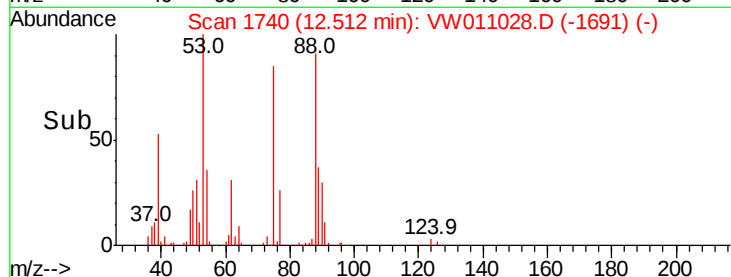
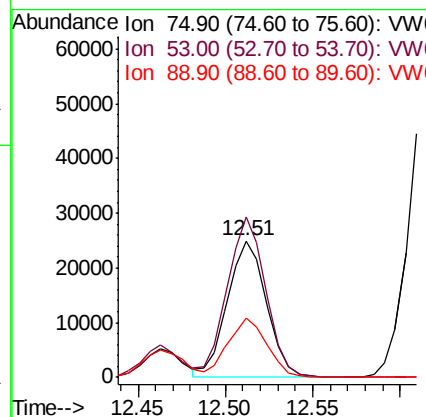
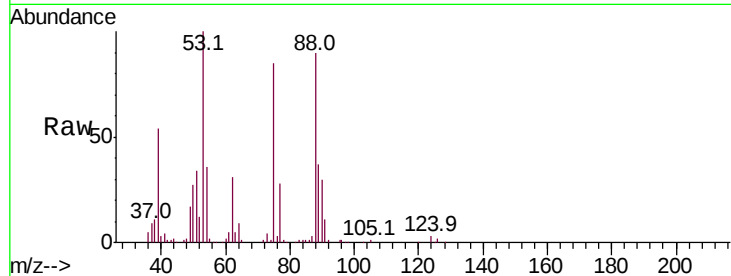
53 117.7 95.6 143.4

89 43.5 34.4 51.6

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#82

4-Chlorotoluene

Concen: 50.870 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011028.D

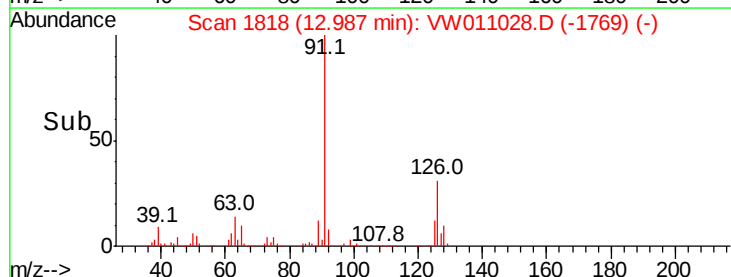
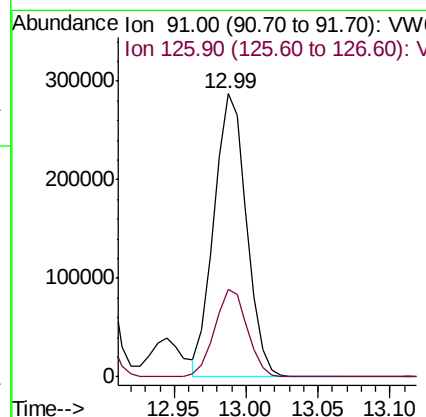
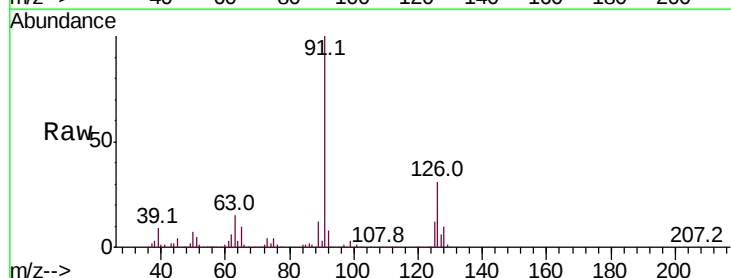
Acq: 27 Jun 2019 20:25

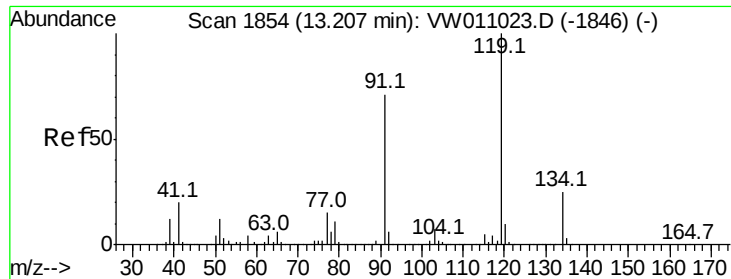
Tgt Ion: 91 Resp: 452103

Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.1





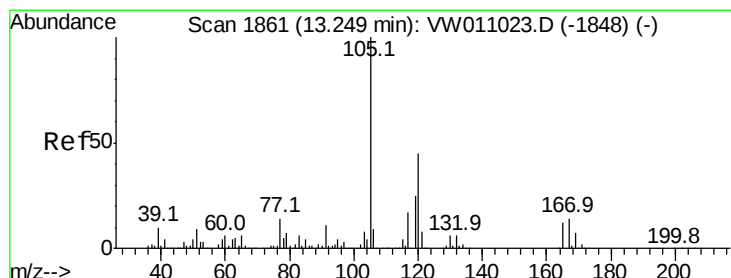
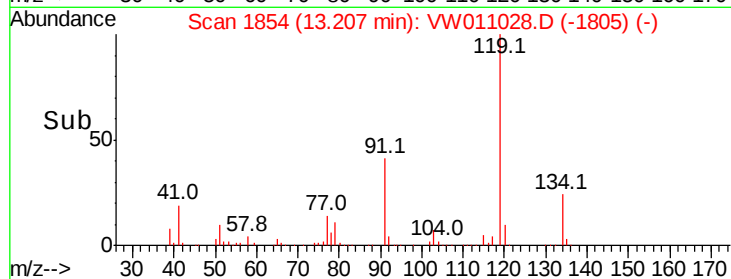
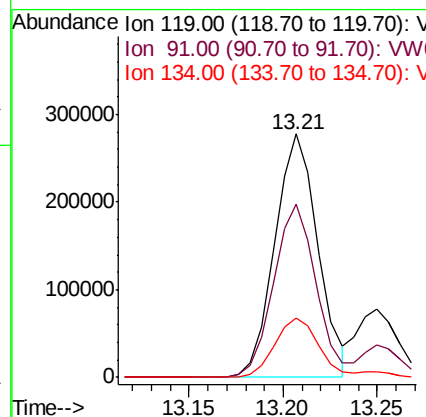
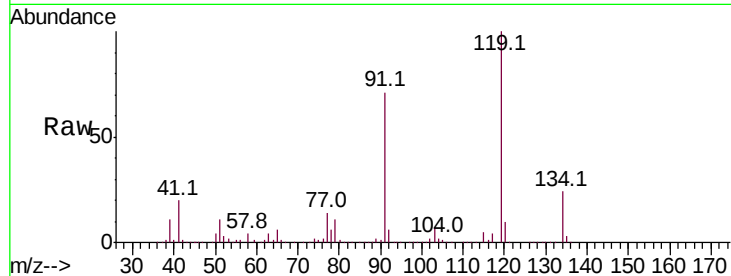
#83
tert-Butylbenzene
Concen: 51.520 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	438946		
91	69.7	35.5	106.5	
134	24.7	12.4	37.2	

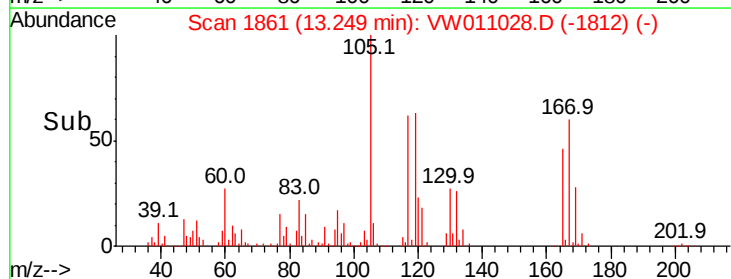
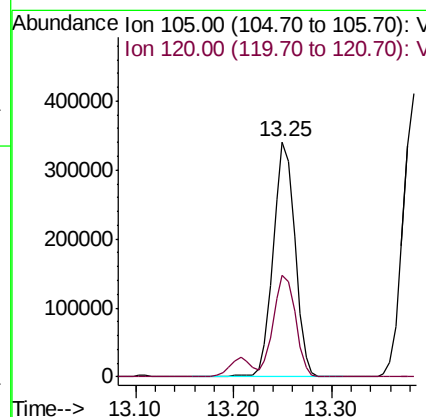
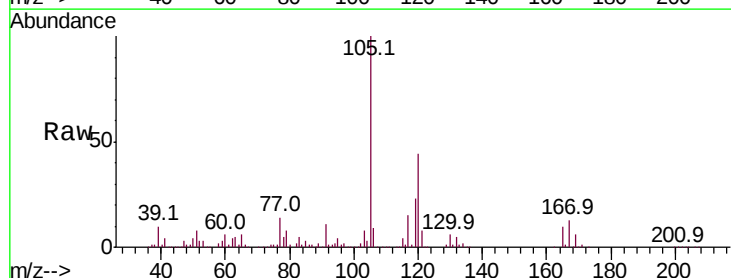
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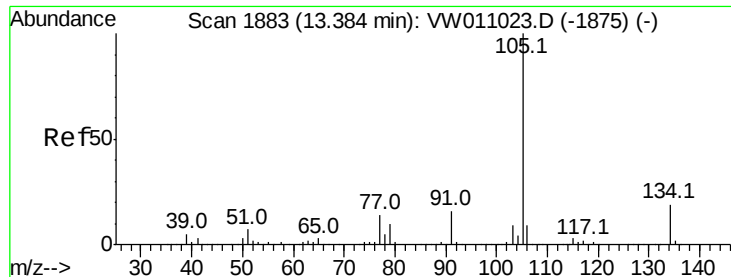
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#84
1,2,4-Trimethylbenzene
Concen: 51.296 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	529739		
120	43.9	22.4	67.2	





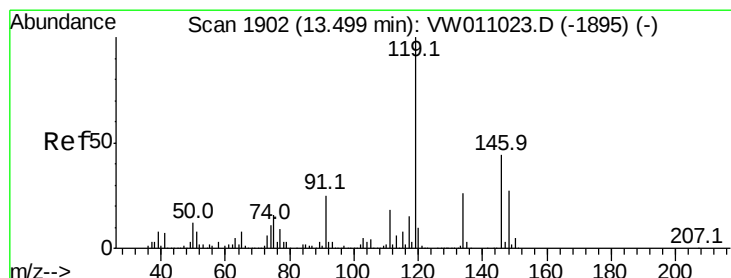
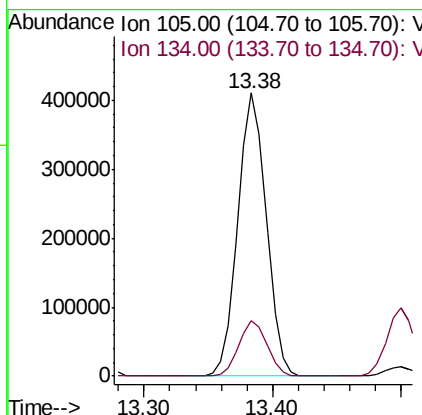
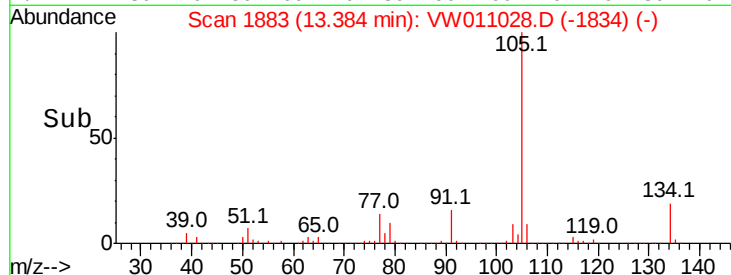
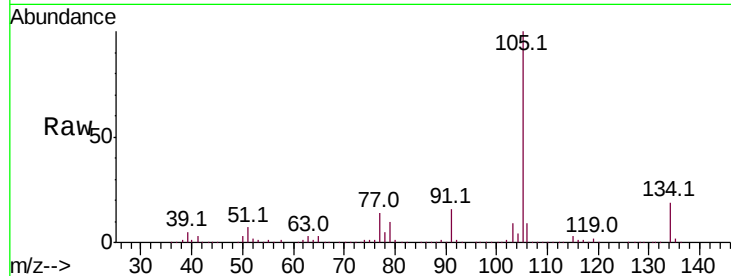
#85
 sec-Butylbenzene
 Concen: 50.719 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.6	28.8

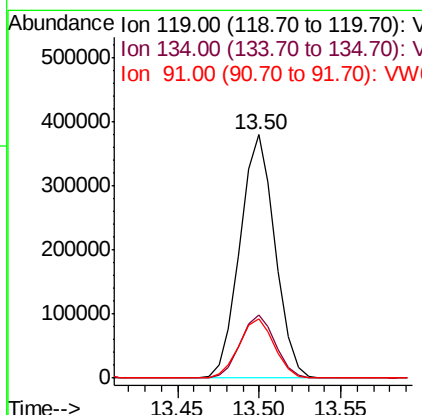
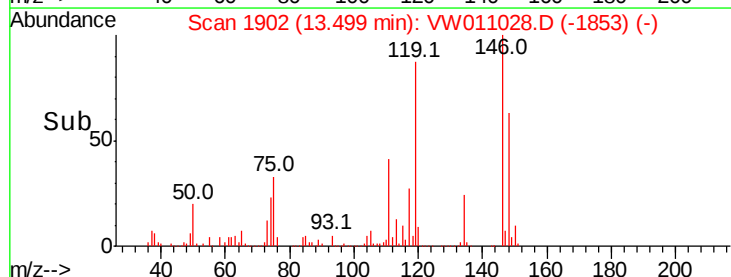
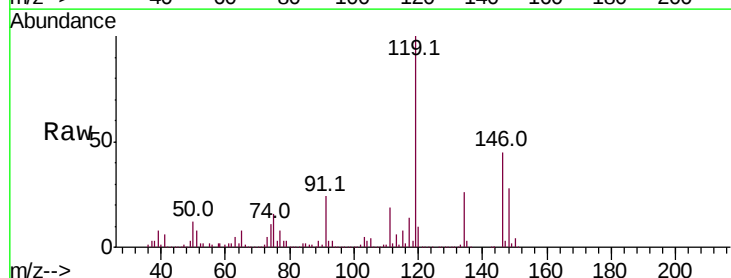
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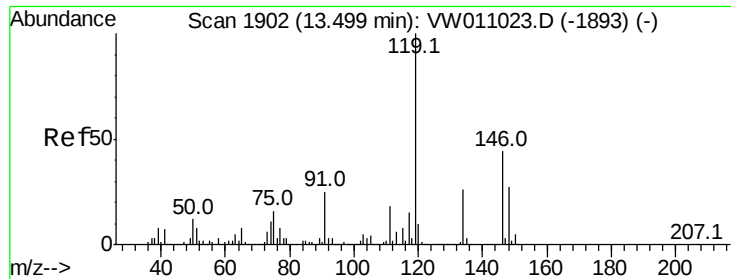
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#86
 p-Isopropyltoluene
 Concen: 50.949 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.7
91	24.5	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 50.816 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

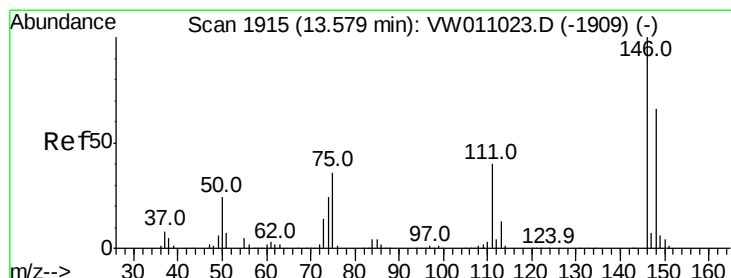
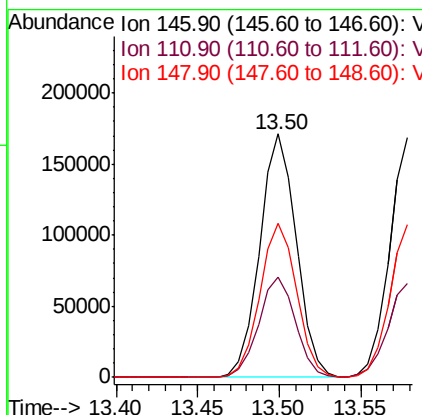
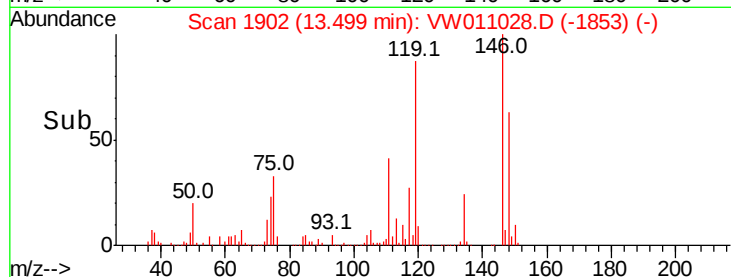
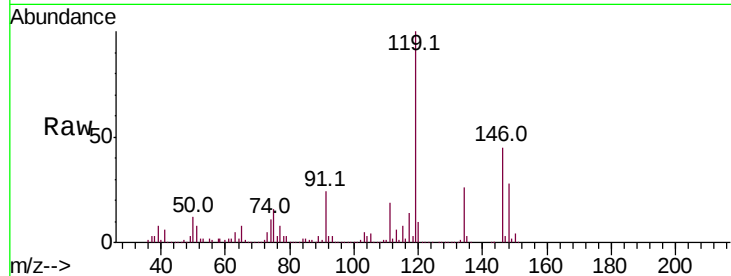
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	266334		
111	41.5	20.9	62.8	
148	63.5	31.8	95.4	

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#88

1,4-Dichlorobenzene

Concen: 50.626 ug/l

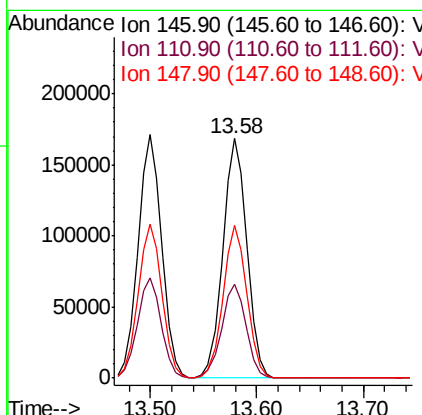
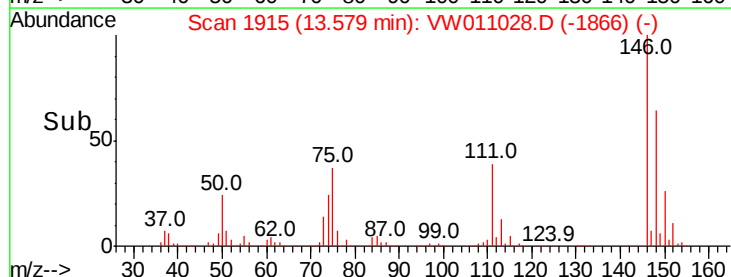
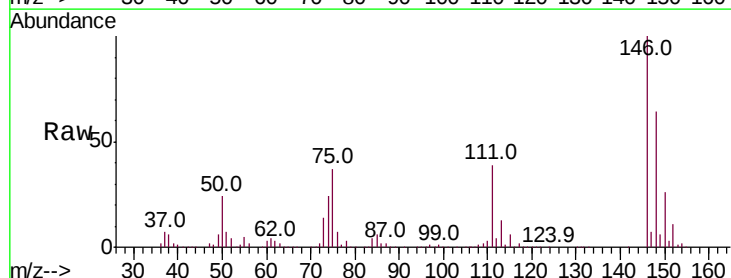
RT: 13.58 min Scan# 1915

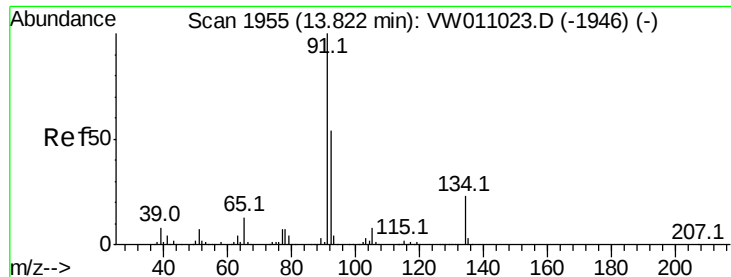
Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	264874		
111	39.8	20.6	61.9	
148	63.2	32.4	97.2	





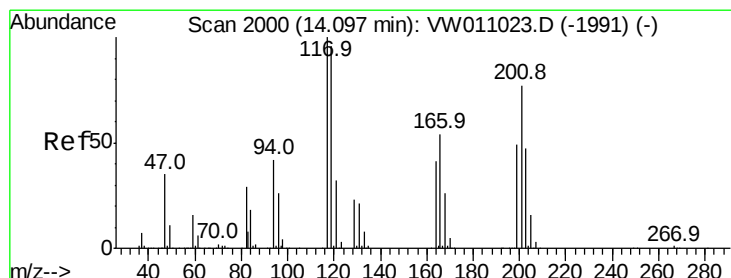
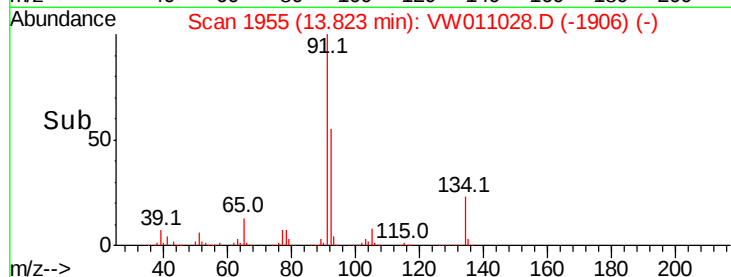
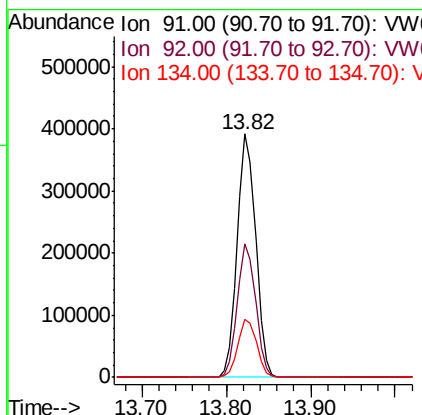
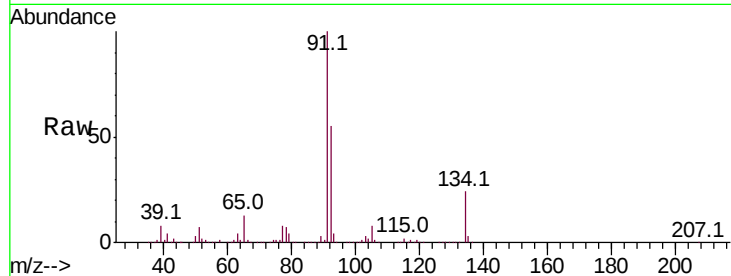
#89
n-Butylbenzene
Concen: 51.085 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.2		27.1	81.2
134	24.1		12.0	36.1

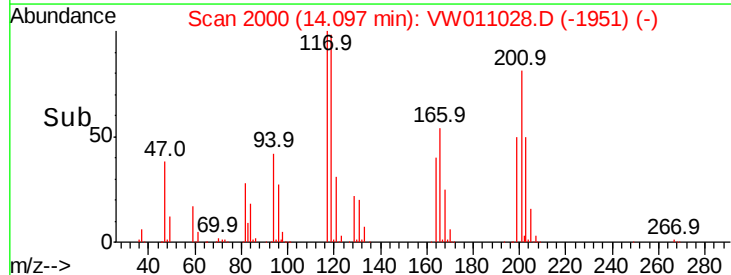
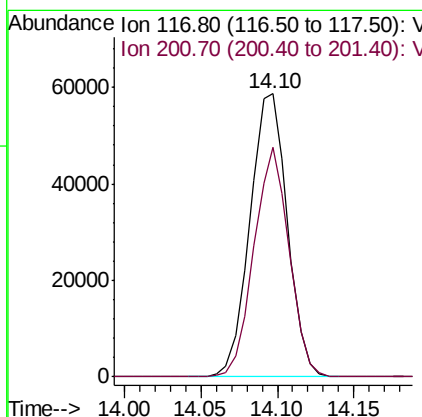
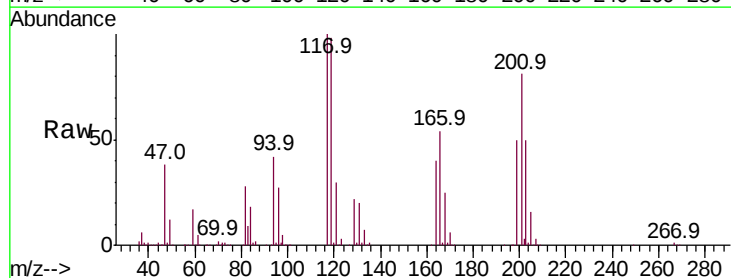
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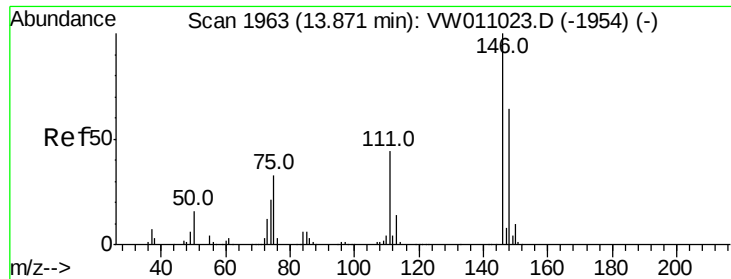
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#90
Hexachloroethane
Concen: 52.304 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.5		38.0	114.0





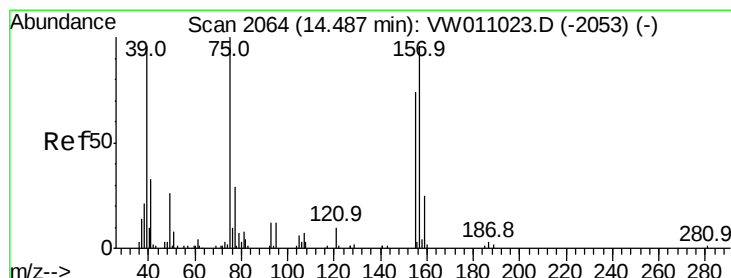
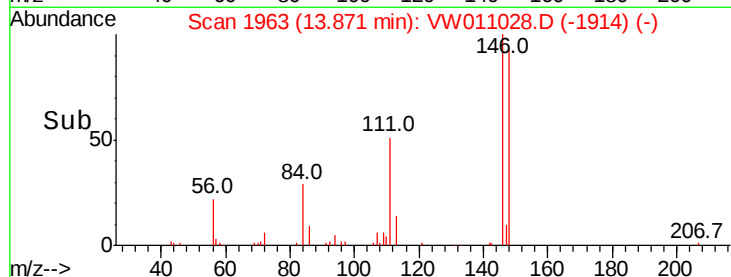
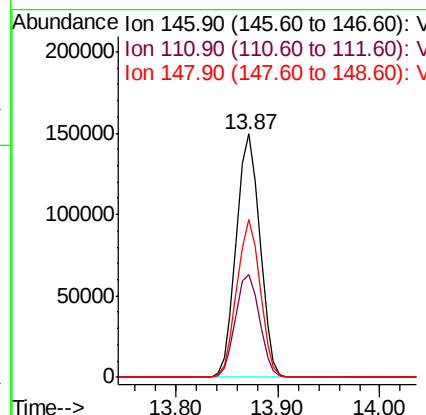
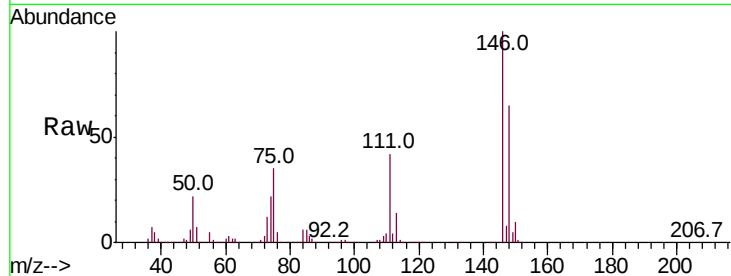
#91
 1,2-Dichlorobenzene
 Concen: 50.868 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.4	64.3
148	64.0	31.8	95.3

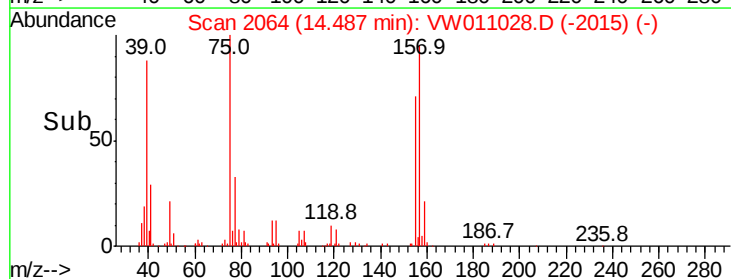
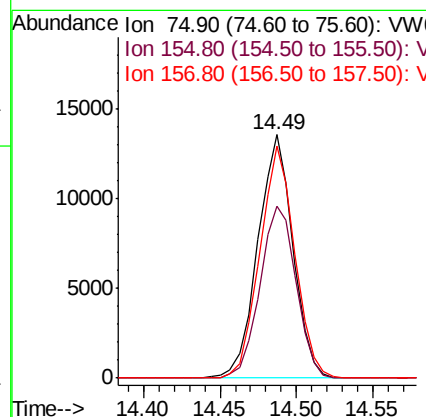
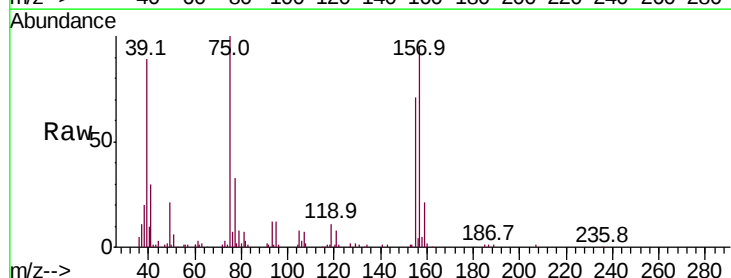
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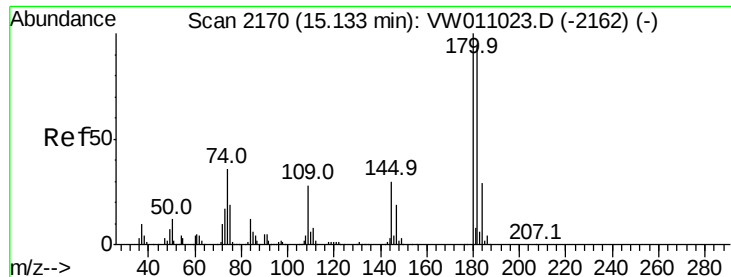
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.617 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	37.0	110.9
157	95.0	45.9	137.7





#93

1,2,4-Trichlorobenzene

Concen: 51.985 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

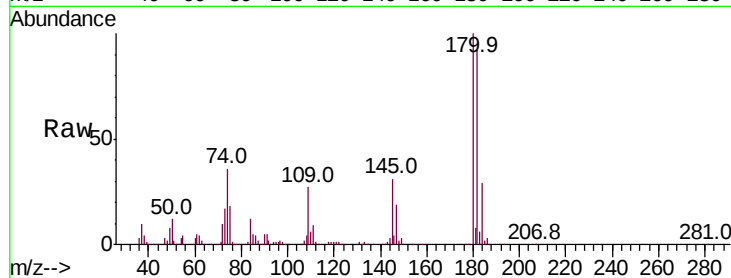
ClientSampleId :

VSTDCCC050

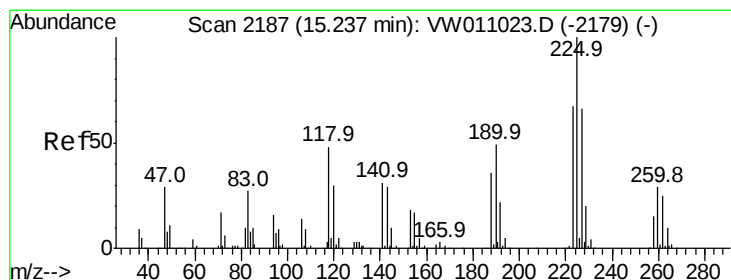
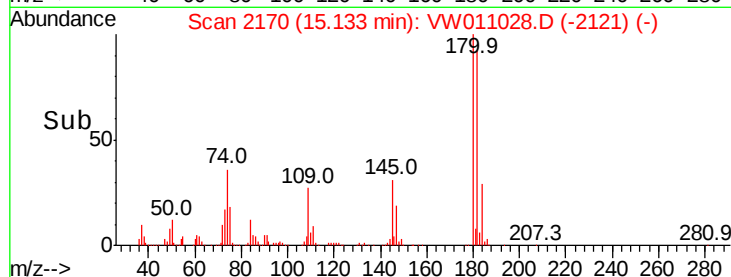
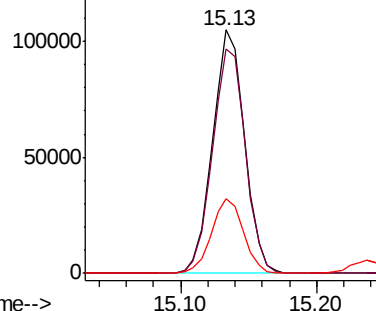
Tot Ion:	180	Resp:	172174
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.4	142.2
145	30.7	15.3	45.8

Manual Integrations
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MMDadoda
6/28/2019 10:25:22 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 50.515 ug/l

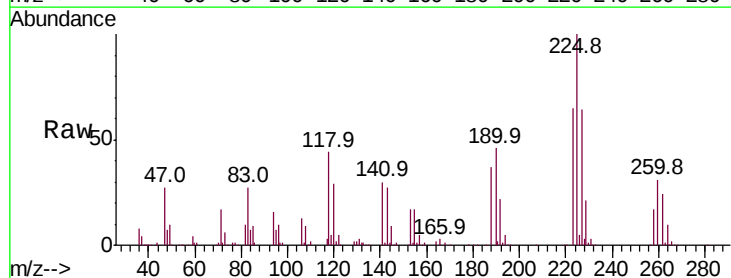
RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

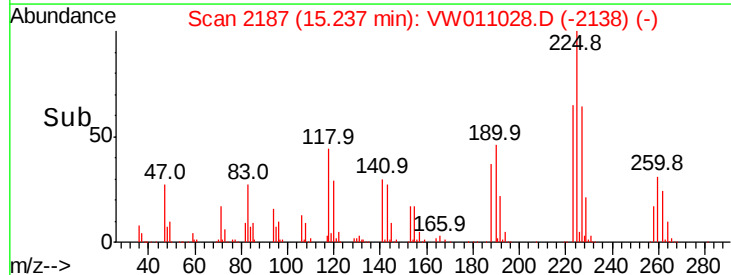
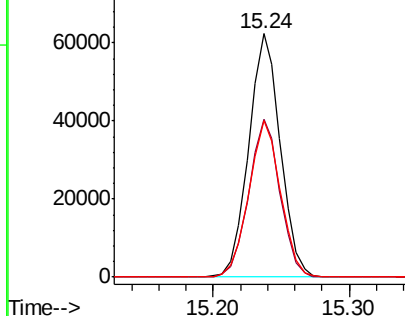
Lab File: VW011028.D

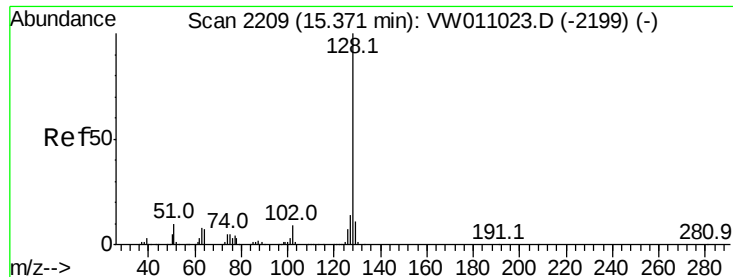
Acq: 27 Jun 2019 20:25

Tgt Ion:	225	Resp:	101474
Ion Ratio	Lower	Upper	
225	100		
223	64.0	31.9	95.9
227	64.3	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





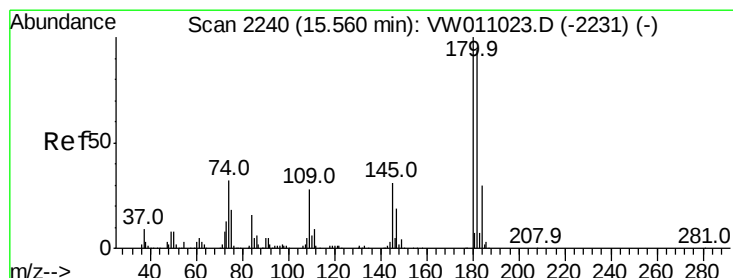
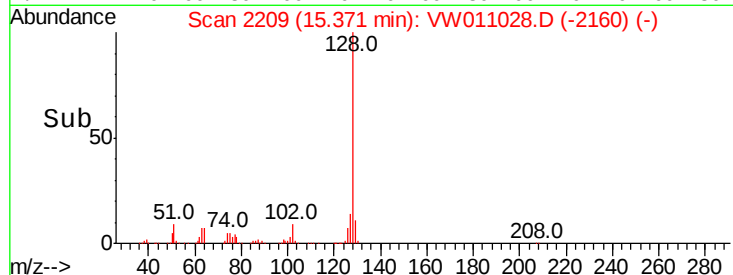
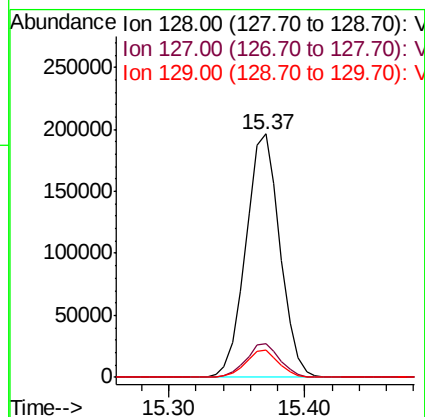
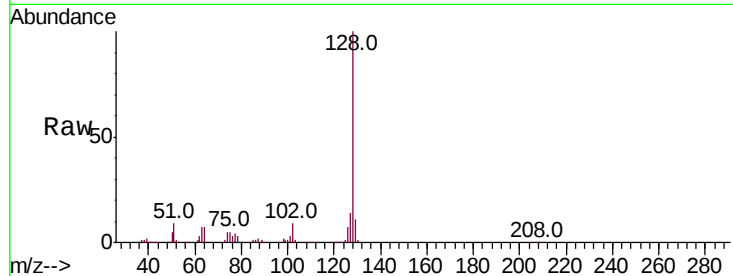
#95
Naphthalene
Concen: 55.383 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.0	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 52.048 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	32.5	16.1	48.2

