

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010335.D
 Acq On : 09 May 2019 13:31
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:31 AM

Quant Time: May 09 13:52:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:10:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1286079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2057269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1828459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	869966	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	2051724	129.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	258.56%	
35) Dibromofluoromethane	7.88	113	1806346	138.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.22%	
50) Toluene-d8	10.32	98	7358248	150.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.26%	
62) 4-Bromofluorobenzene	12.62	95	2634571	147.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	1502348	153.206	ug/l	97
3) Chloromethane	2.22	50	2102075	214.358	ug/l	96
4) Vinyl Chloride	2.37	62	2463487	216.117	ug/l	99
5) Bromomethane	2.77	94	1391218	181.610	ug/l	100
6) Chloroethane	2.92	64	1468737	197.201	ug/l	96
7) Trichlorofluoromethane	3.25	101	1377669	174.804	ug/l	97
8) Diethyl Ether	3.67	74	1072582	163.608	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.05	101	1960554	147.836	ug/l	98
10) Methyl Iodide	4.26	142	2903846	158.448	ug/l	93
11) Tert butyl alcohol	5.18	59	770301	852.084	ug/l	98
12) 1,1-Dichloroethene	4.03	96	2140246	168.338	ug/l	95
13) Acrolein	3.89	56	902846	949.304	ug/l	98
14) Allyl chloride	4.65	41	3250273	143.793	ug/l	90
15) Acrylonitrile	5.36	53	3114307	923.086	ug/l	99
16) Acetone	4.12	43	2796495	759.425	ug/l	95
17) Carbon Disulfide	4.37	76	6532546	187.309	ug/l	99
18) Methyl Acetate	4.67	43	1393468	163.504	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	2644796	160.156	ug/l	100
20) Methylene Chloride	4.91	84	2081459	122.864	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	2278109	165.468	ug/l	98
22) Diisopropyl ether	6.31	45	6159164	134.333	ug/l	92
23) Vinyl Acetate	6.25	43	22324513	773.461	ug/l #	94
24) 1,1-Dichloroethane	6.21	63	4116042	150.171	ug/l	99
25) 2-Butanone	7.17	43	4503802	931.071	ug/l	96
26) 2,2-Dichloropropane	7.16	77	1968688	129.824	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	2419893	159.818	ug/l	96
28) Bromochloromethane	7.51	49	1471257	131.348	ug/l	99
29) Tetrahydrofuran	7.52	42	2892114	943.586	ug/l	95
30) Chloroform	7.67	83	3791659	138.057	ug/l	98
31) Cyclohexane	7.95	56	4038930	157.362	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	2949416	136.796	ug/l	99
36) 1,1-Dichloropropene	8.08	75	3337579	158.822	ug/l	100
37) Ethyl Acetate	7.25	43	1890129	177.004	ug/l	97
38) Carbon Tetrachloride	8.06	117	2880358	140.440	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	4311683	182.332	ug/l	97
40) Benzene	8.32	78	8974802	156.193	ug/l	99
41) Methacrylonitrile	7.48	41	1131967	185.995	ug/l	95
42) 1,2-Dichloroethane	8.40	62	2604177	131.880	ug/l	96
43) Isopropyl Acetate	8.42	43	3299514	164.891	ug/l	99
44) Trichloroethene	9.09	130	2300393	157.625	ug/l	98
45) 1,2-Dichloropropane	9.37	63	2275617	150.670	ug/l	98
46) Dibromomethane	9.46	93	1177263	150.392	ug/l	98
47) Bromodichloromethane	9.64	83	2893077	143.170	ug/l	100
48) Methyl methacrylate	9.43	41	1600908	164.355	ug/l	86
49) 1,4-Dioxane	9.45	88	438451	3665.663	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	9105723	868.824	ug/l	92
52) Toluene	10.38	92	5600354	156.466	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	3119771	155.720	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	3621485	158.305	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	1671717	153.006	ug/l	99
56) Ethyl methacrylate	10.65	69	2569466	189.173	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	3038327	155.151	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	5967824	954.072	ug/l	100
59) 2-Hexanone	10.97	43	6696749	917.919	ug/l	90
60) Dibromochloromethane	11.13	129	1887259	149.450	ug/l	100
61) 1,2-Dibromoethane	11.23	107	1650329	158.785	ug/l	97
64) Tetrachloroethene	10.86	164	1934310	162.961	ug/l	98
65) Chlorobenzene	11.66	112	5654183	151.085	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	1954686	146.057	ug/l	98
67) Ethyl Benzene	11.73	91	10596403	158.700	ug/l	96
68) m/p-Xylenes	11.84	106	7938706	318.071	ug/l	93
69) o-Xylene	12.16	106	3747337	164.892	ug/l	95
70) Styrene	12.18	104	6464378	164.975	ug/l	99
71) Bromoform	12.35	173	1169261	165.226	ug/l #	98
73) Isopropylbenzene	12.46	105	10140696	167.482	ug/l	98
74) N-amyl acetate	12.27	43	2938017	175.221	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	2169869	181.392	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	1574312m	180.809	ug/l	
77) Bromobenzene	12.75	156	2262782	162.496	ug/l	98
78) n-propylbenzene	12.80	91	12011558	160.065	ug/l	98
79) 2-Chlorotoluene	12.90	91	6978317	161.691	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	8382881	163.291	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	801496	217.053	ug/l	87
82) 4-Chlorotoluene	12.99	91	7201613	158.547	ug/l	100
83) tert-Butylbenzene	13.21	119	7162312	168.473	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	8330258	160.045	ug/l	98
85) sec-Butylbenzene	13.38	105	10195357	160.477	ug/l	98
86) p-Isopropyltoluene	13.50	119	9195758	164.219	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	4331728	153.885	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	4256833	151.504	ug/l	99
89) n-Butylbenzene	13.83	91	9191820	165.685	ug/l	96
90) Hexachloroethane	14.10	117	1721629	160.522	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	3826676	151.615	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	414797	193.763	ug/l	91

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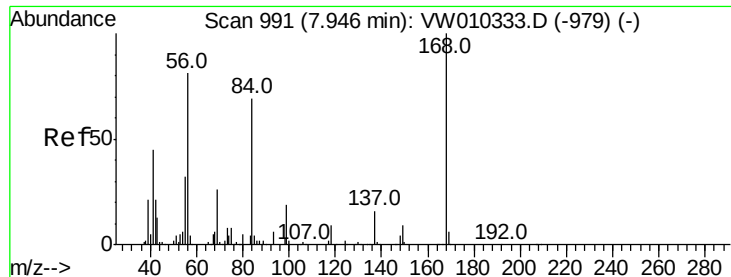
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	2833466	170.168	ug/l	100
94) Hexachlorobutadiene	15.24	225	1719291	170.035	ug/l	99
95) Naphthalene	15.37	128	6348976	212.381	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	2537738	175.667	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 1286079

Ion Ratio Lower Upper

168 100

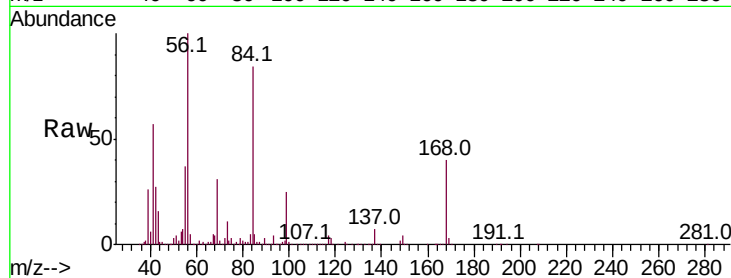
99 61.6 48.4 72.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

800000

600000

400000

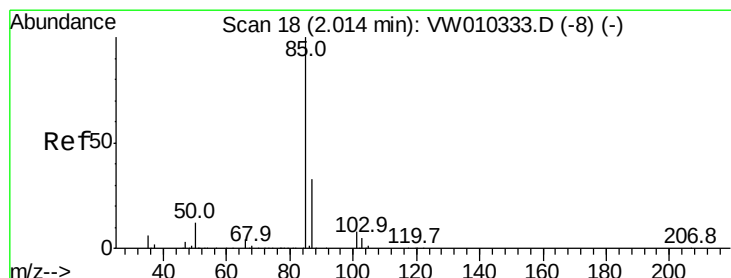
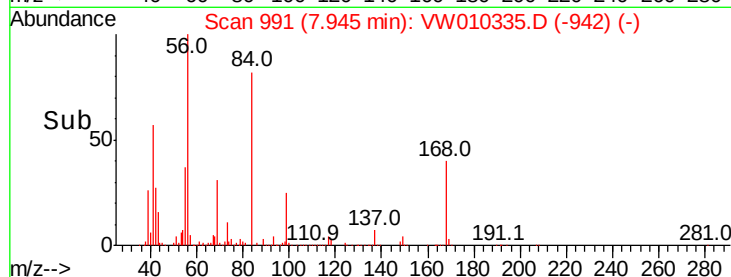
200000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 153.206 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010335.D

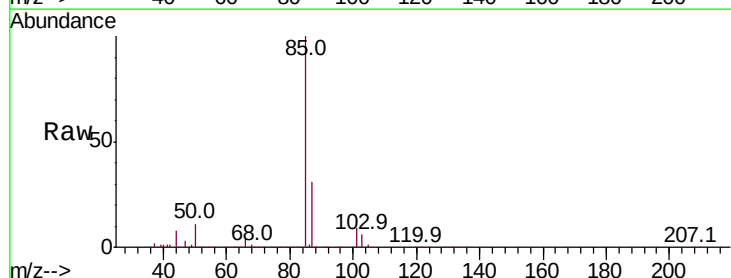
Acq: 09 May 2019 13:31

Tgt Ion: 85 Resp: 1502348

Ion Ratio Lower Upper

85 100

87 31.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

400000

300000

200000

100000

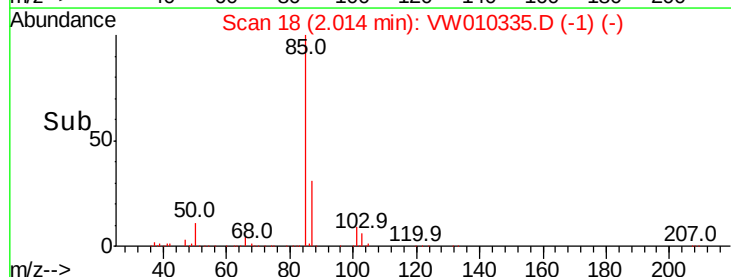
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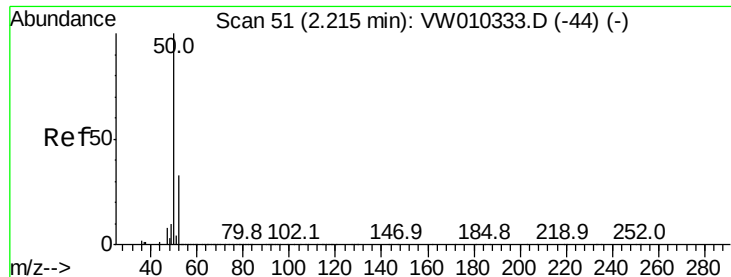
2.00

2.20

2.40

Time-->





#3

Chloromethane

Concen: 214.358 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 2102075

Ion Ratio Lower Upper

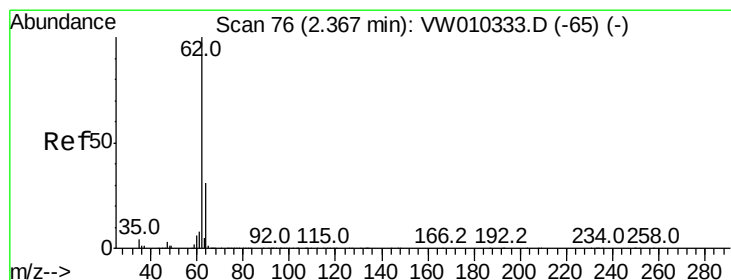
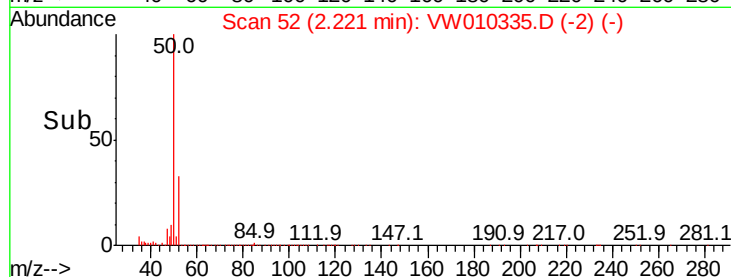
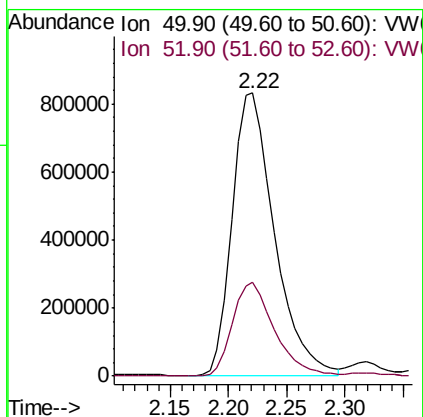
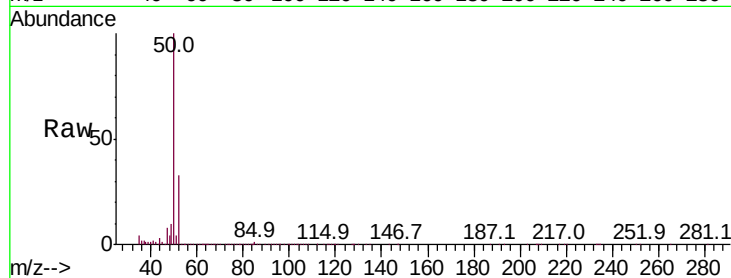
50 100

52 33.3 25.0 37.6

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#4

Vinyl Chloride

Concen: 216.117 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010335.D

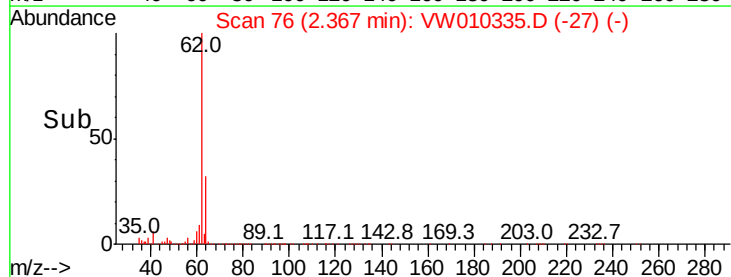
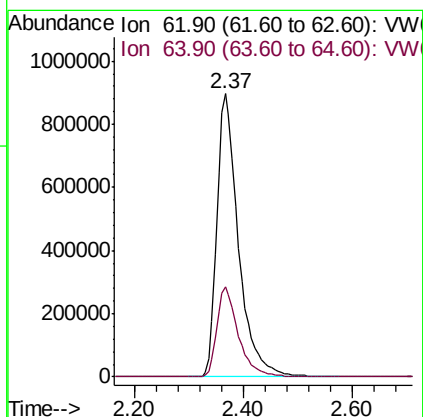
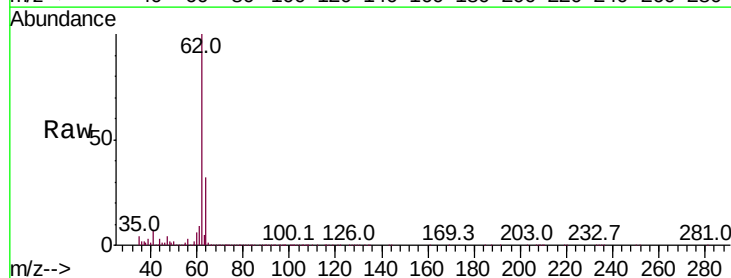
Acq: 09 May 2019 13:31

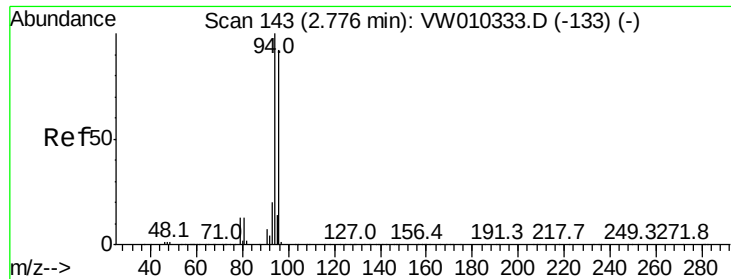
Tgt Ion: 62 Resp: 2463487

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9





#5

Bromomethane

Concen: 181.610 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 1391218

Ion Ratio Lower Upper

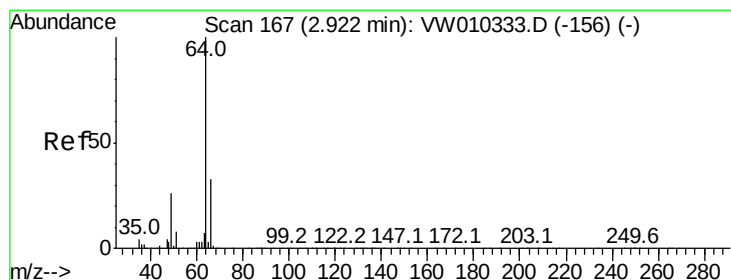
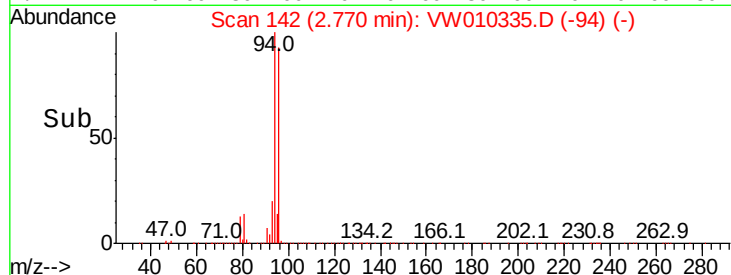
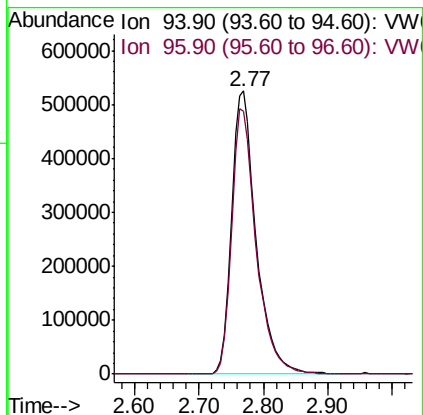
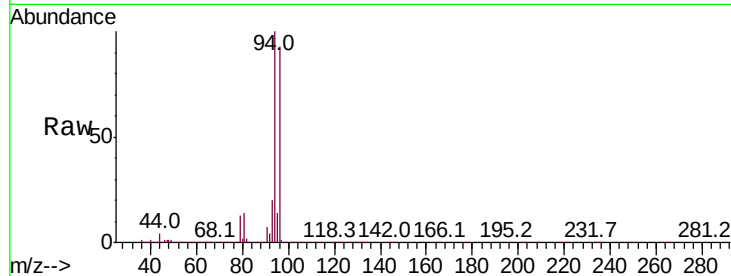
94 100

96 92.9 74.2 111.2

Manual Integrations
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#6

Chloroethane

Concen: 197.201 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010335.D

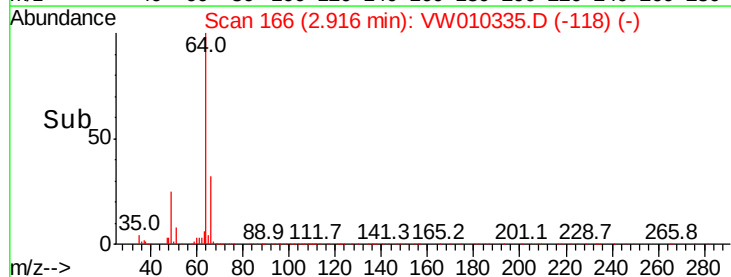
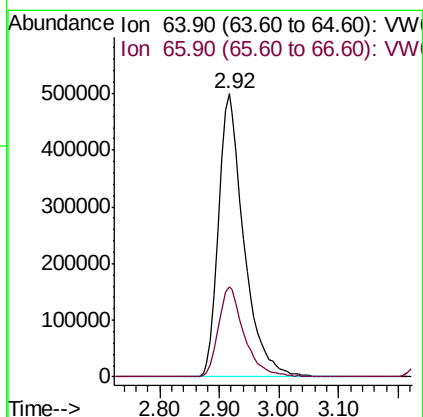
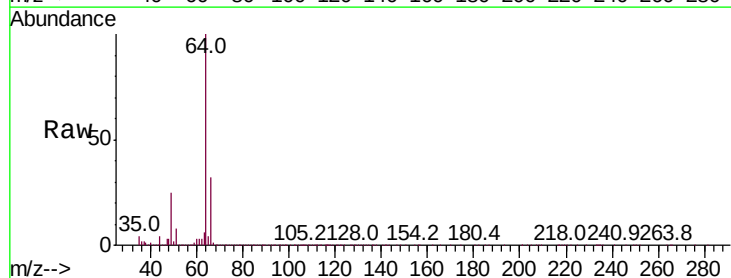
Acq: 09 May 2019 13:31

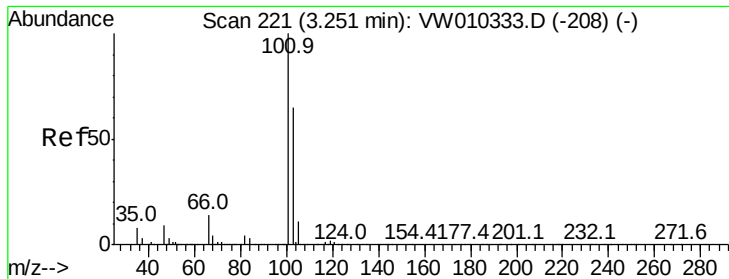
Tgt Ion: 64 Resp: 1468737

Ion Ratio Lower Upper

64 100

66 31.5 23.4 35.0





#7

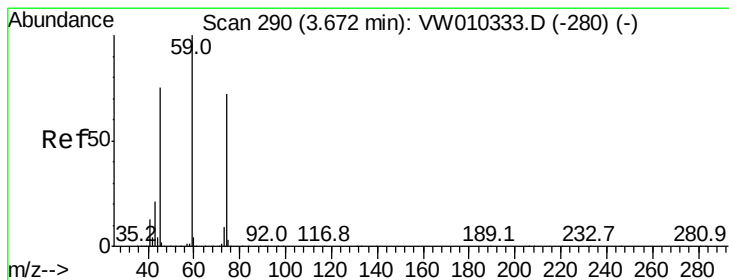
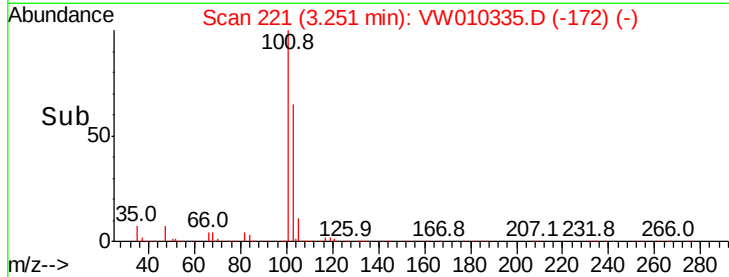
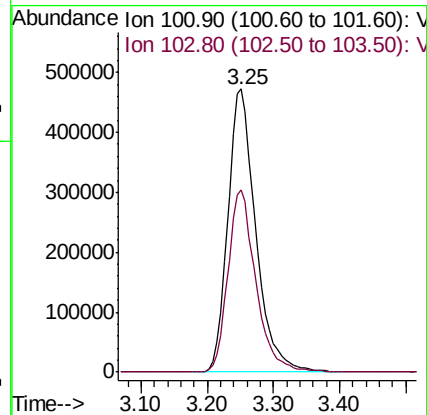
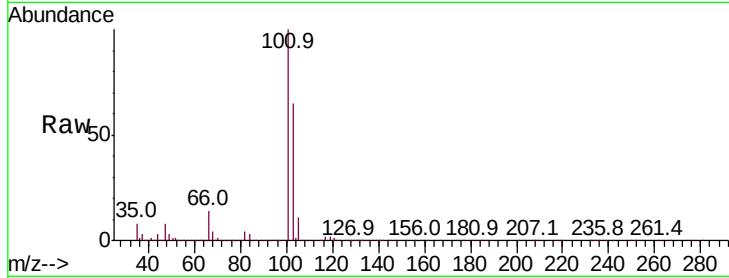
Trichlorofluoromethane
Concen: 174.804 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

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ClientSampleId :
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Tot Ion:101 Resp: 1377669
Ion Ratio Lower Upper
101 100
103 64.6 49.8 74.6

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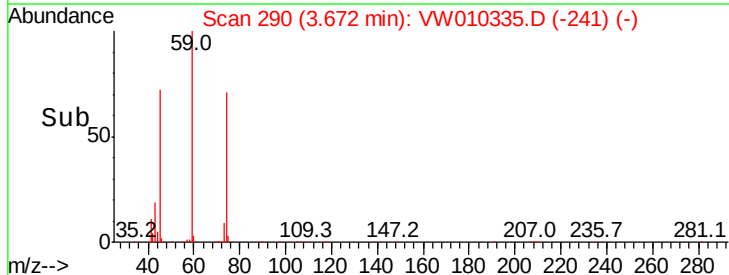
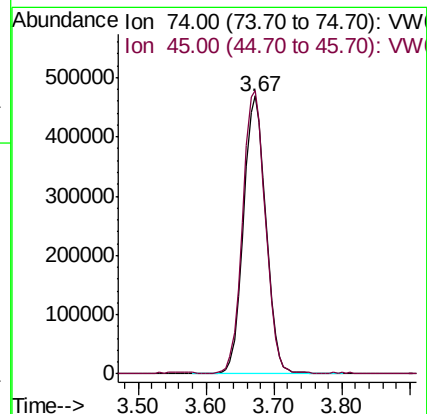
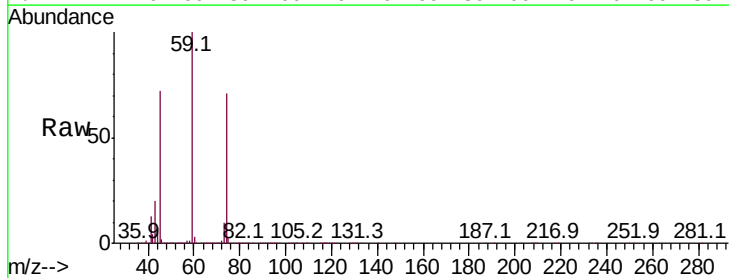
MMDadoda
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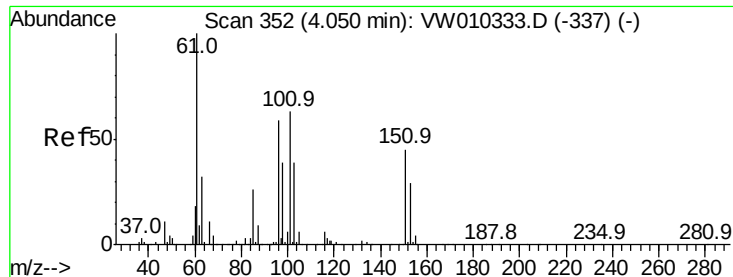


#8

Diethyl Ether
Concen: 163.608 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion: 74 Resp: 1072582
Ion Ratio Lower Upper
74 100
45 102.8 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 147.836 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1960554

Ion Ratio Lower Upper

101 100

85 43.7 36.3 54.5

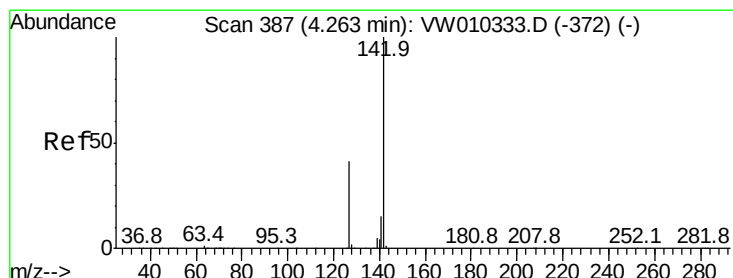
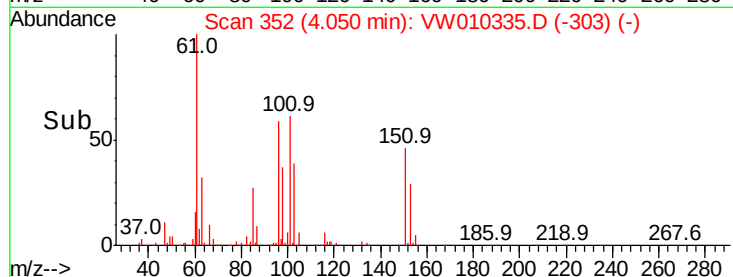
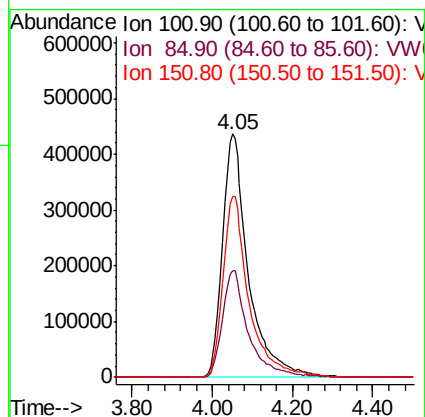
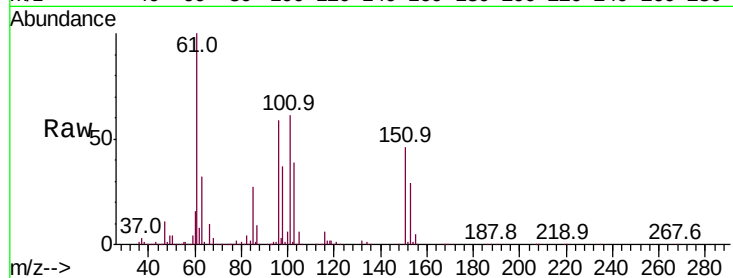
151 74.4 60.2 90.2

Manual Integrations

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#10

Methyl Iodide

Concen: 158.448 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

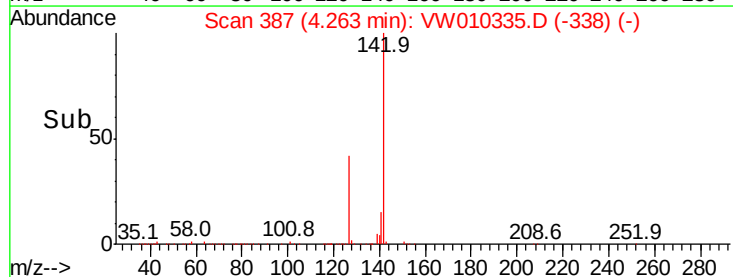
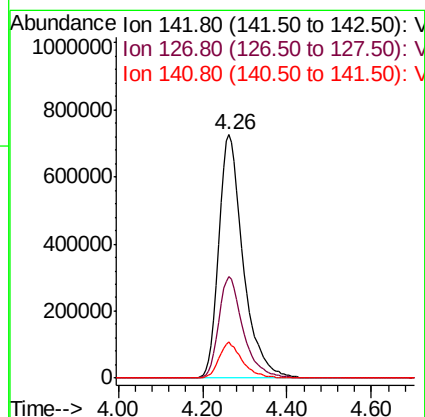
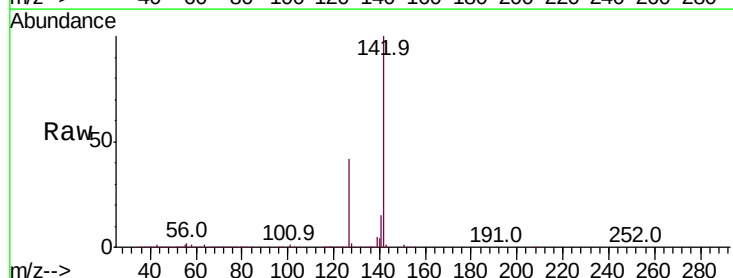
Tgt Ion:142 Resp: 2903846

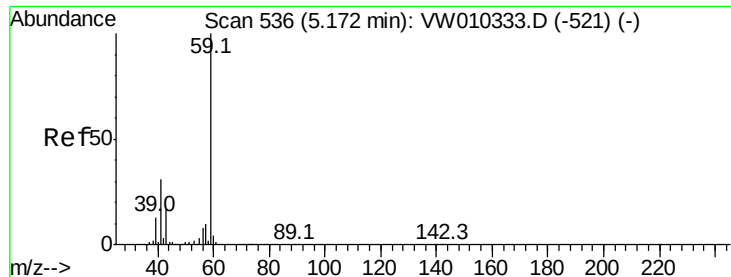
Ion Ratio Lower Upper

142 100

127 41.9 38.1 57.1

141 14.3 12.2 18.2





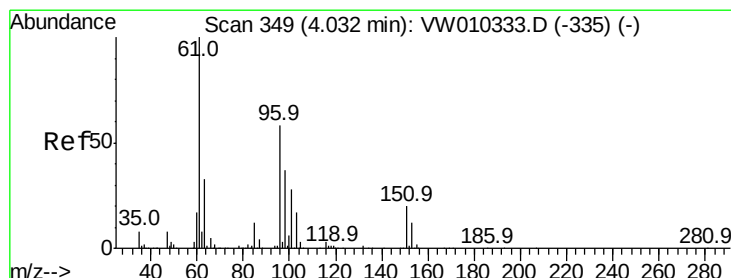
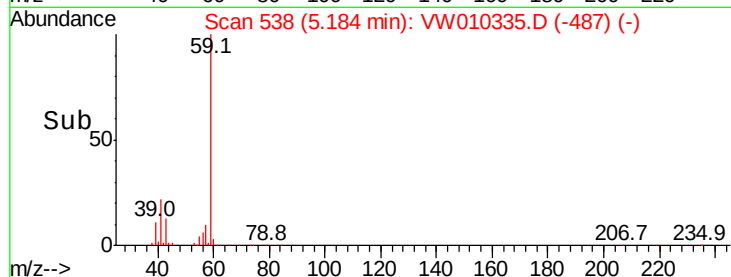
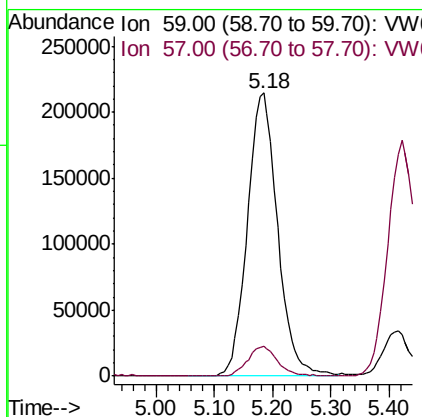
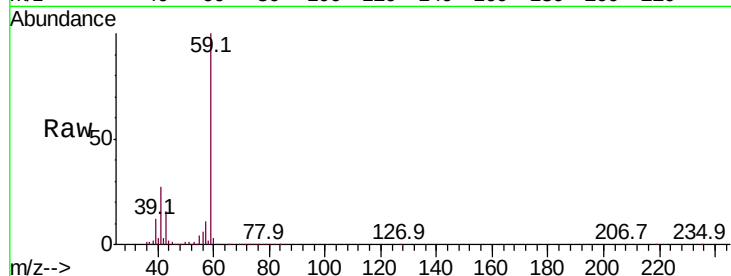
#11
Tert butyl alcohol
Concen: 852.084 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	770301		
57	10.3		9.0	13.4

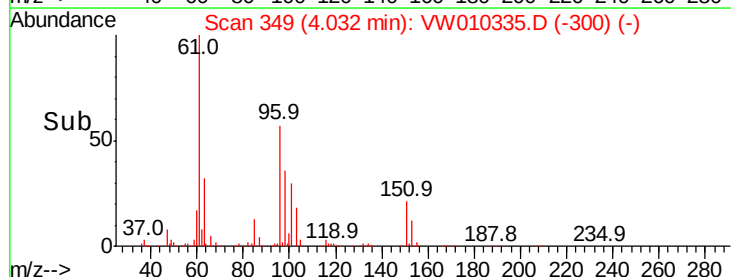
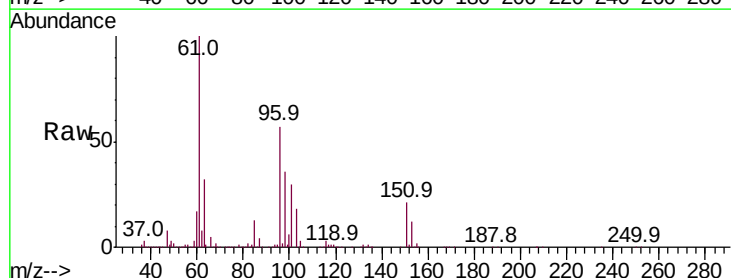
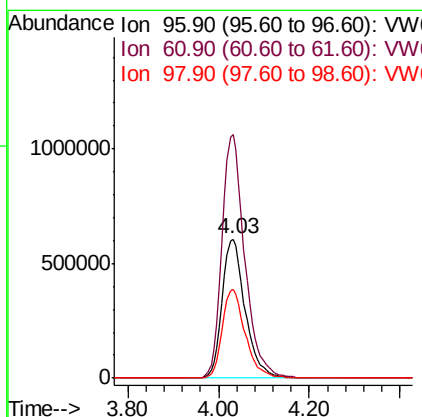
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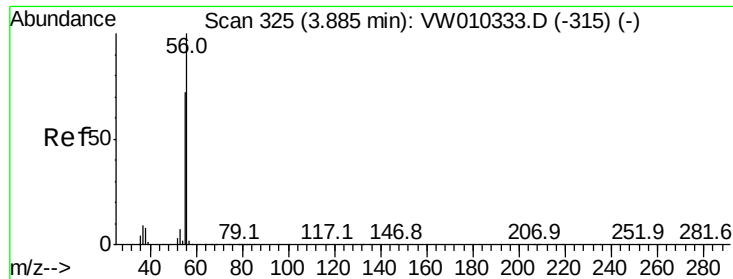
MMDadoda
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#12
1,1-Dichloroethene
Concen: 168.338 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	2140246		
61	175.2		147.4	221.2
98	63.8		49.7	74.5





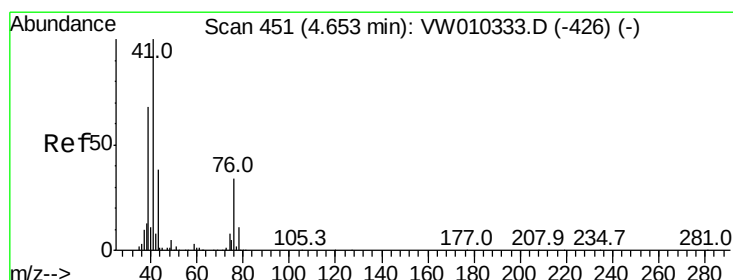
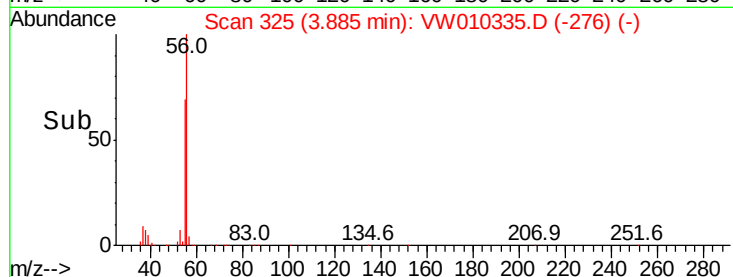
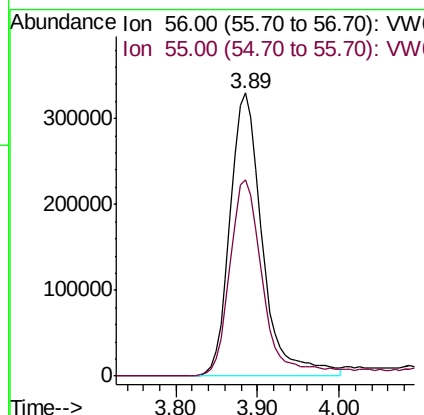
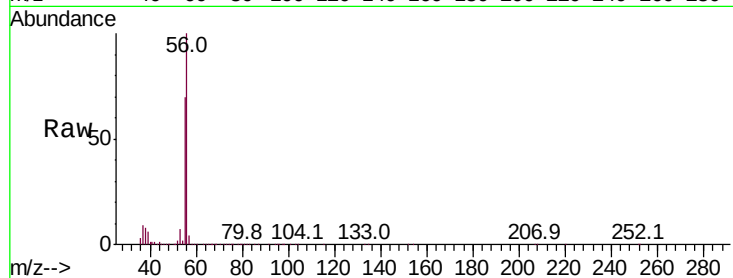
#13
Acrolein
Concen: 949.304 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.2	54.2	81.2

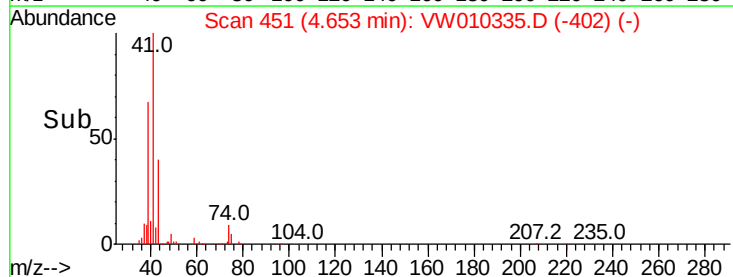
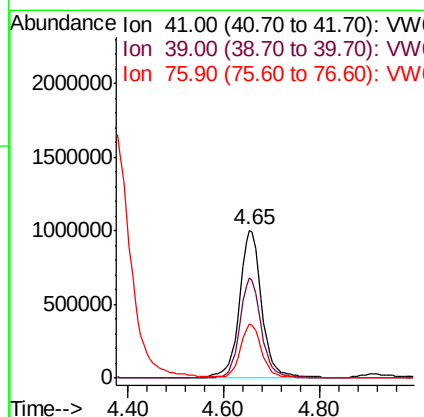
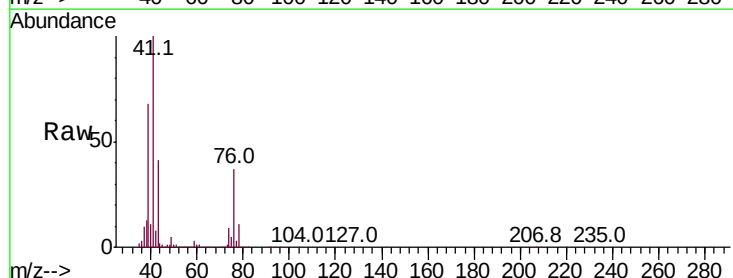
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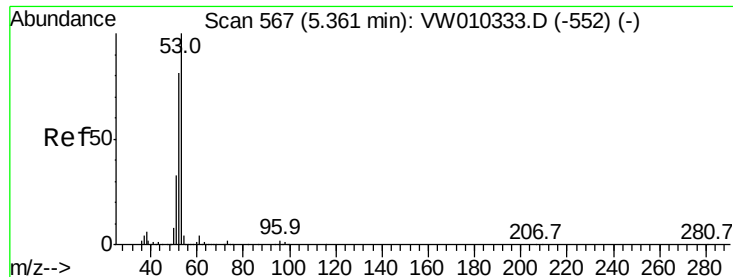
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#14
Allyl chloride
Concen: 143.793 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.4	60.2	90.4
76	35.0	25.0	37.6





#15

Acrylonitrile

Concen: 923.086 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 53 Resp: 3114307

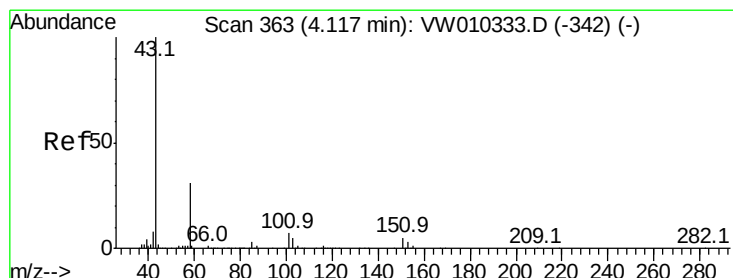
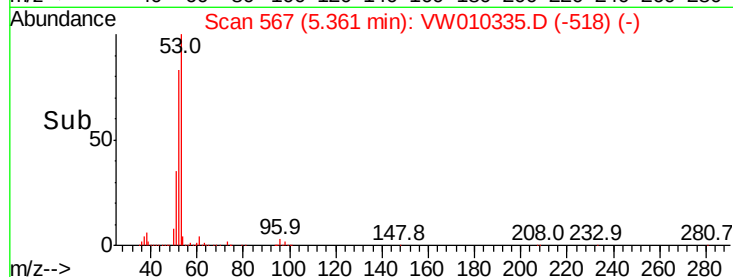
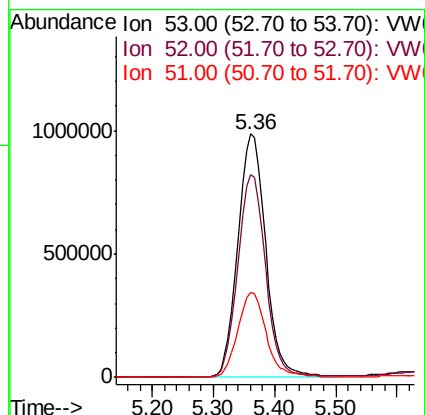
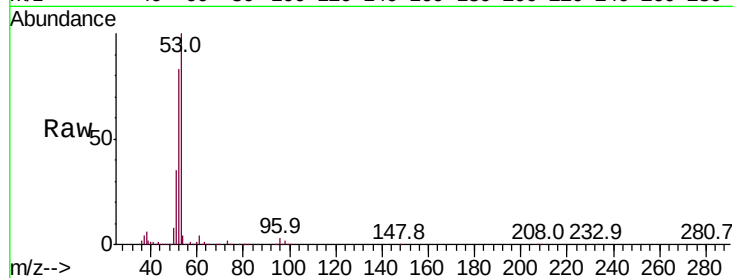
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	100.0
51	35.7	30.3	45.5

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#16

Acetone

Concen: 759.425 ug/l

RT: 4.12 min Scan# 363

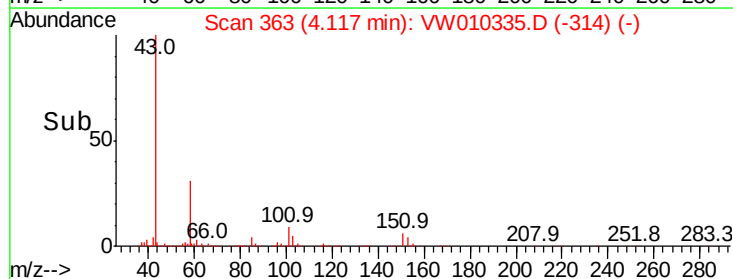
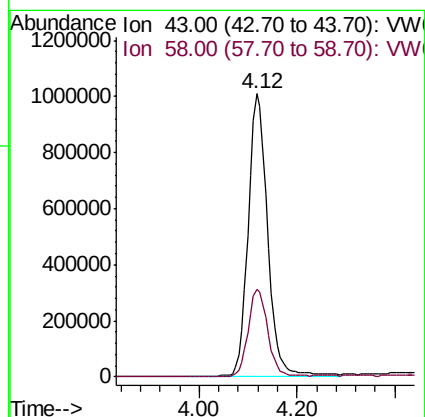
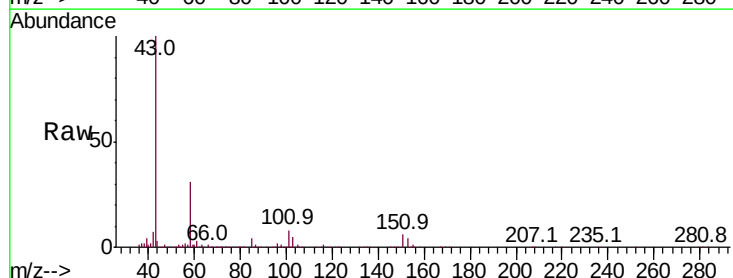
Delta R.T. -0.00 min

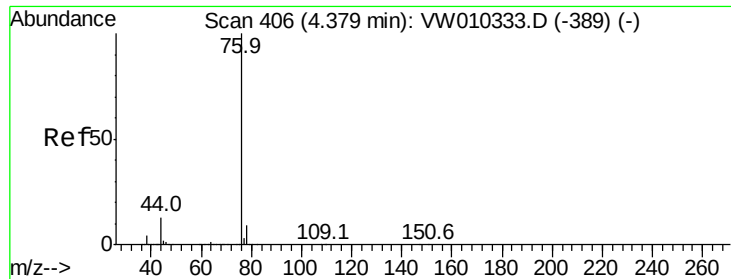
Lab File: VW010335.D

Acq: 09 May 2019 13:31

Tgt Ion: 43 Resp: 2796495

Ion	Ratio	Lower	Upper
43	100		
58	31.0	22.7	34.1





#17

Carbon Disulfide

Concen: 187.309 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 6532546

Ion Ratio Lower Upper

76 100

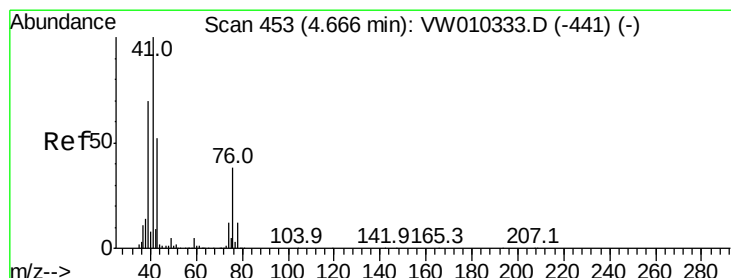
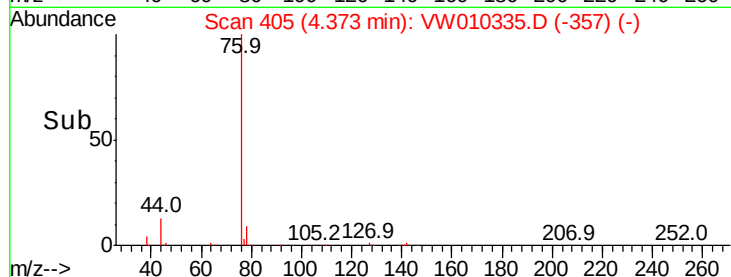
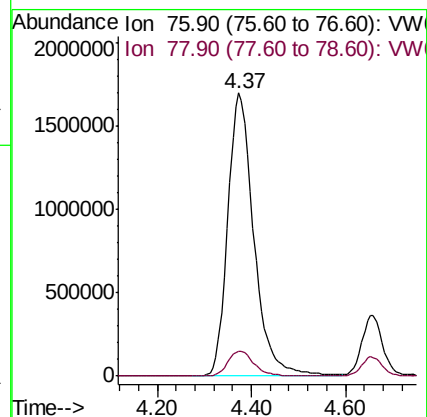
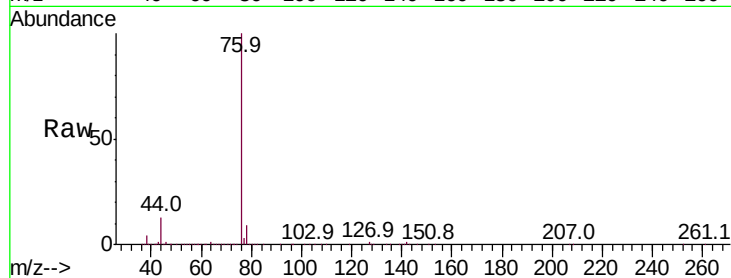
78 9.0 7.4 11.2

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#18

Methyl Acetate

Concen: 163.504 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010335.D

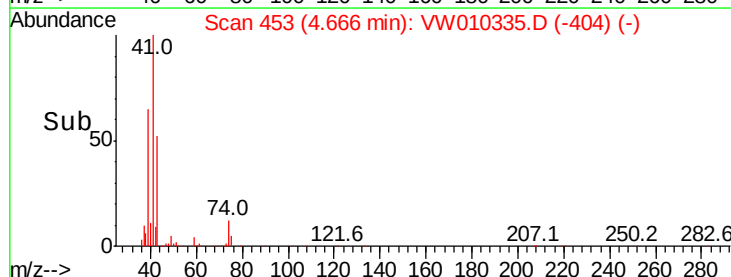
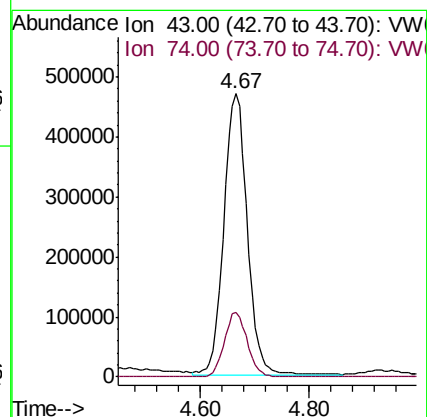
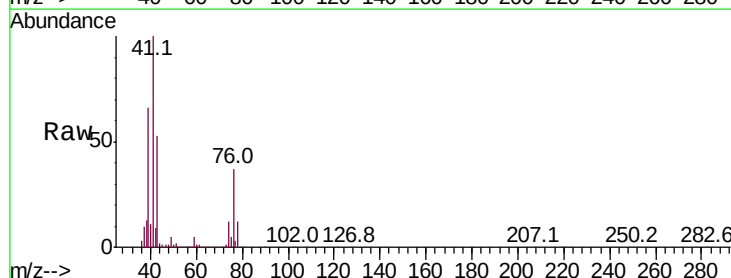
Acq: 09 May 2019 13:31

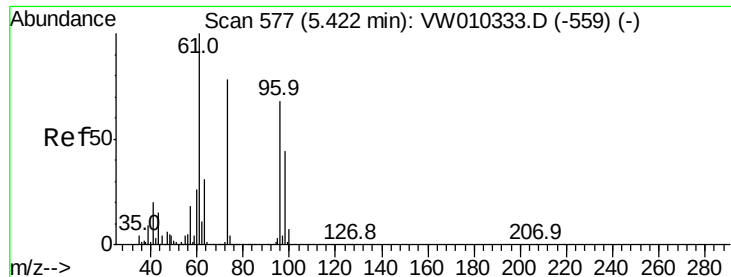
Tgt Ion: 43 Resp: 1393468

Ion Ratio Lower Upper

43 100

74 22.6 16.8 25.2





#19

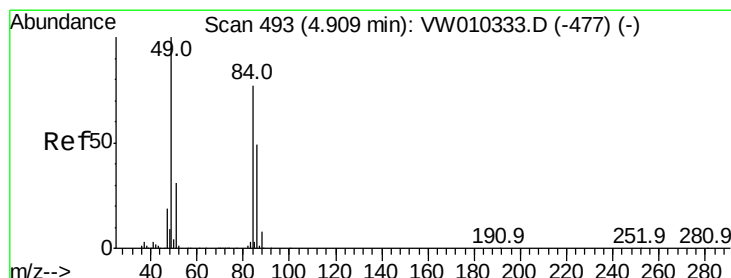
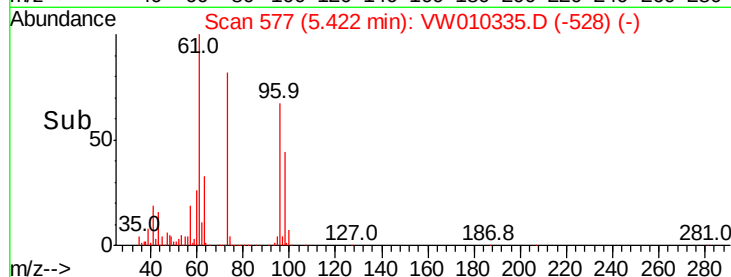
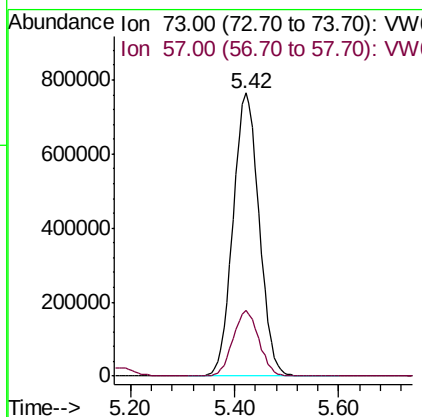
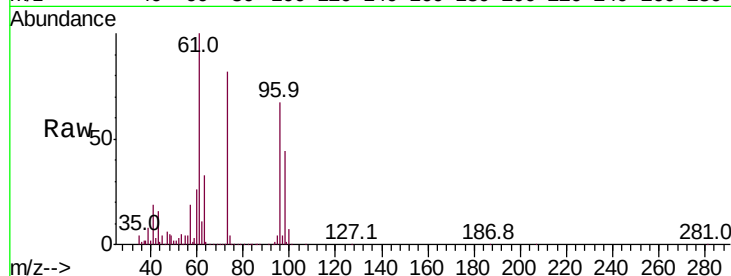
Methyl tert-butyl Ether
 Concen: 160.156 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 2644796
 Ion Ratio Lower Upper
 73 100
 57 23.3 18.5 27.7

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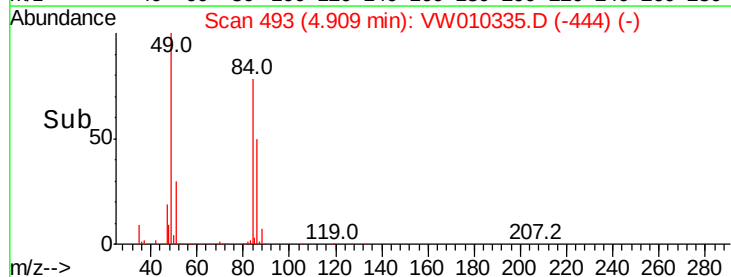
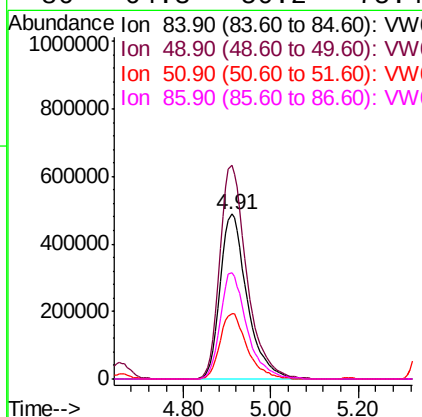
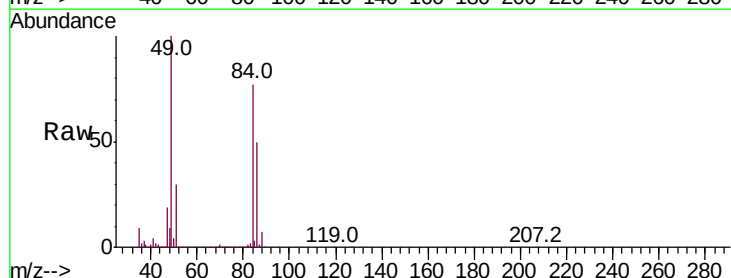
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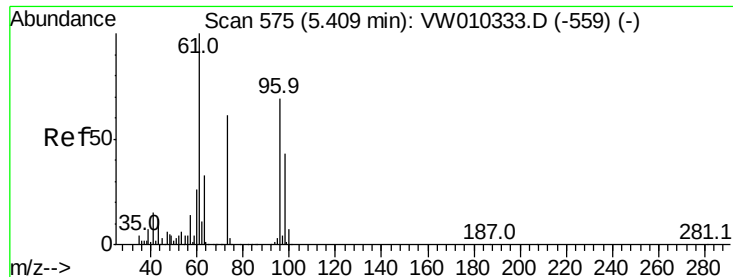


#20

Methylene Chloride
 Concen: 122.864 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 84 Resp: 2081459
 Ion Ratio Lower Upper
 84 100
 49 129.4 112.3 168.5
 51 39.2 33.9 50.9
 86 64.3 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 165.468 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 2278109

Ion Ratio Lower Upper

96 100

61 148.8 122.3 183.5

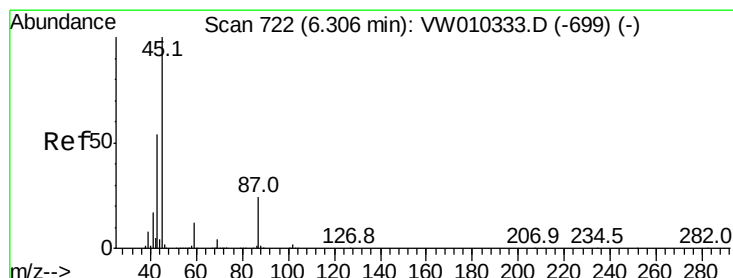
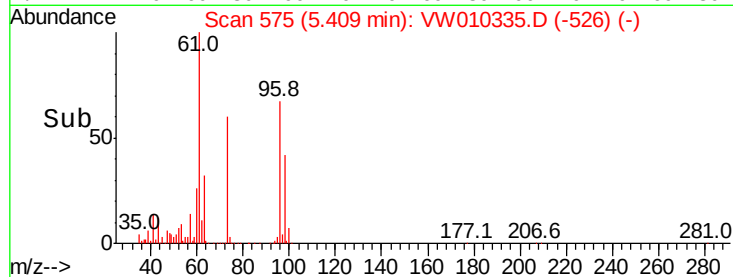
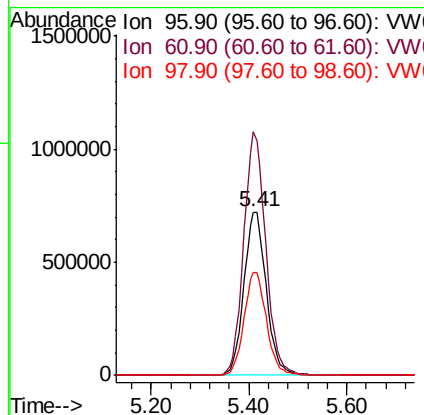
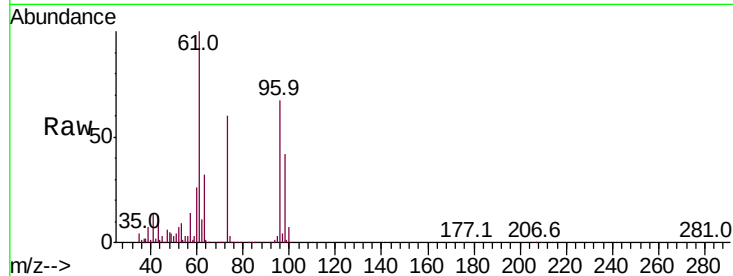
98 62.5 50.5 75.7

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#22

Diisopropyl ether

Concen: 134.333 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Tgt Ion: 45 Resp: 6159164

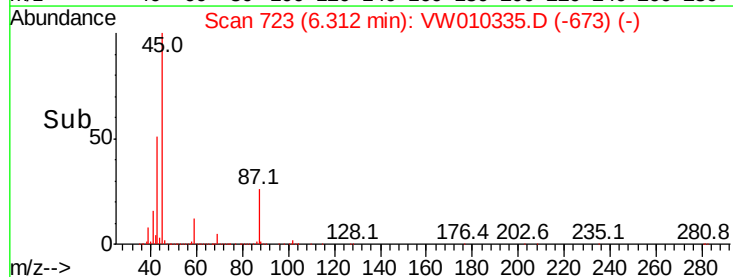
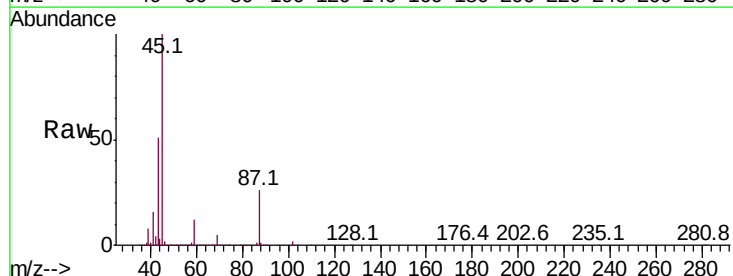
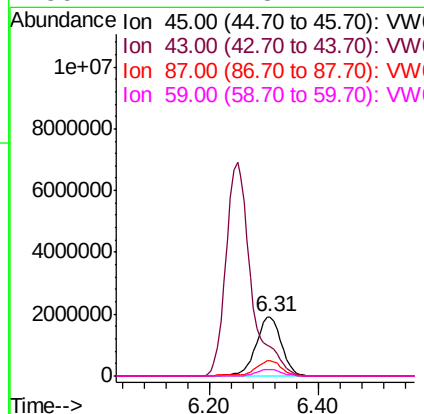
Ion Ratio Lower Upper

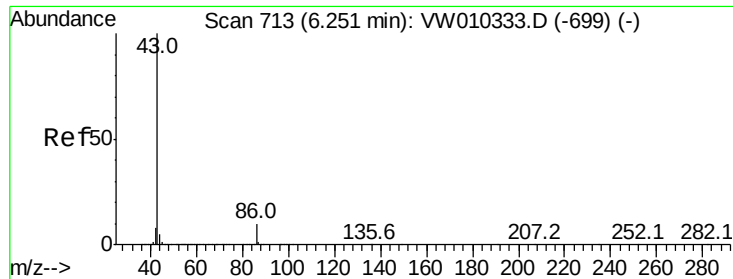
45 100

43 50.7 46.1 69.1

87 25.5 18.3 27.5

59 11.7 8.2 12.4





#23

Vinyl Acetate

Concen: 773.461 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 22324513

Ion Ratio Lower Upper

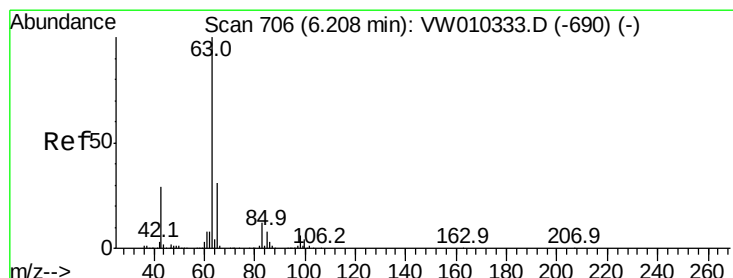
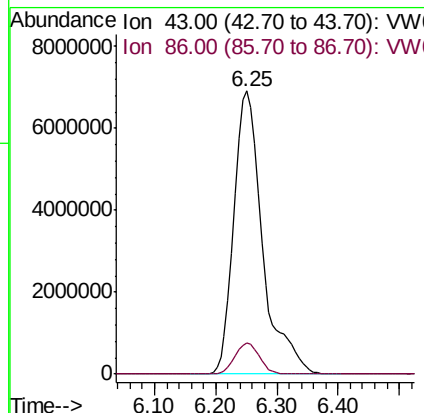
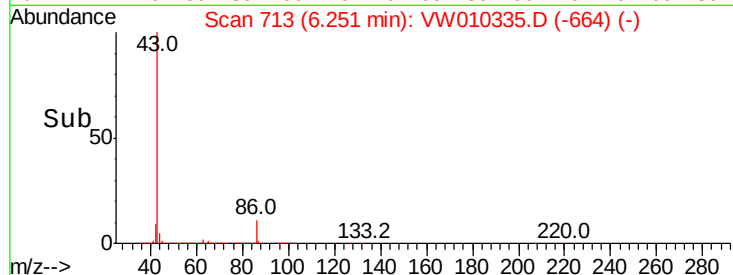
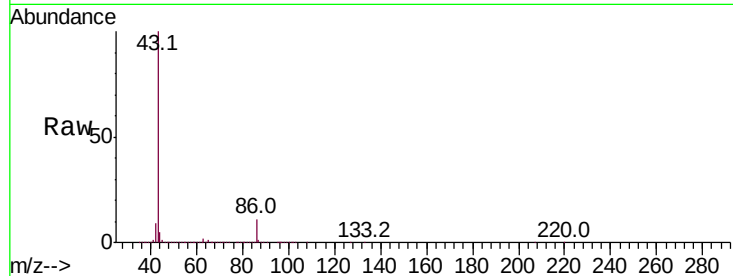
43 100

86 11.1 7.0 10.6#

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#24

1,1-Dichloroethane

Concen: 150.171 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

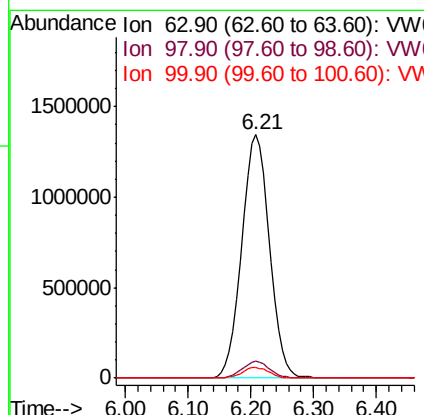
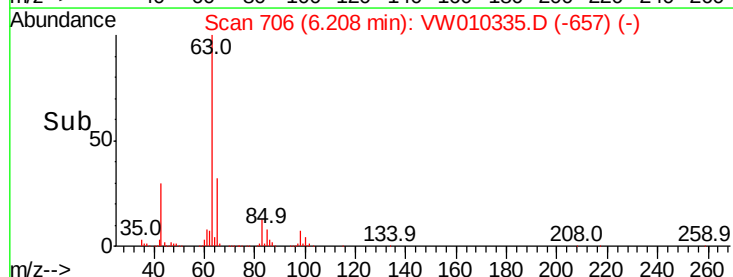
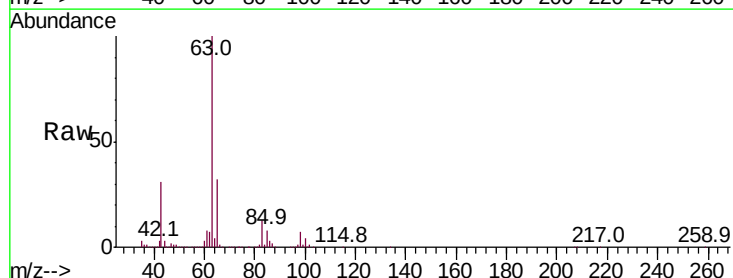
Tgt Ion: 63 Resp: 4116042

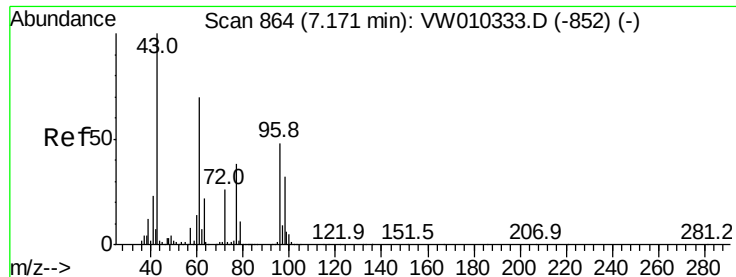
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 931.071 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4503802

Ion Ratio Lower Upper

43 100

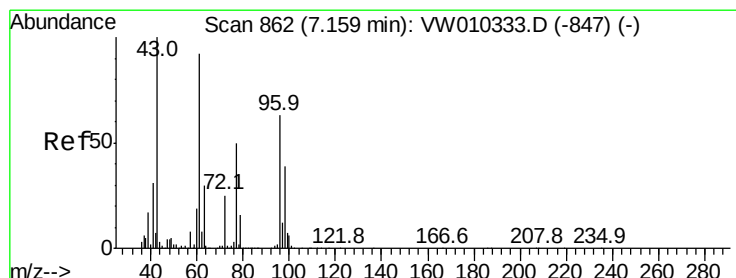
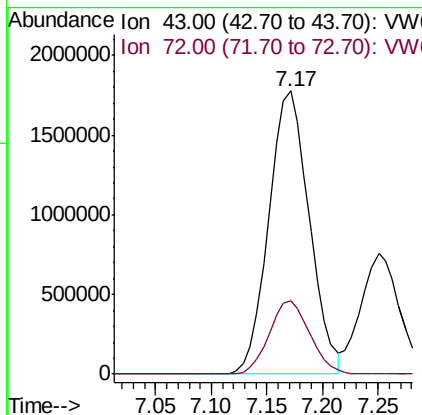
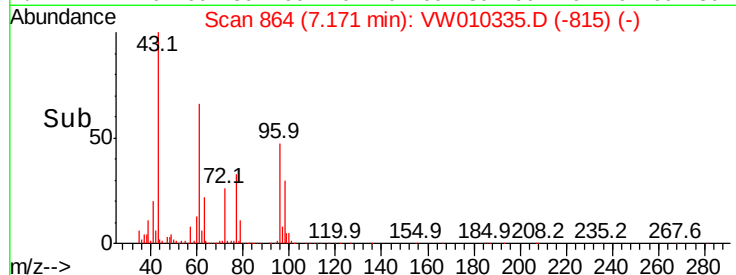
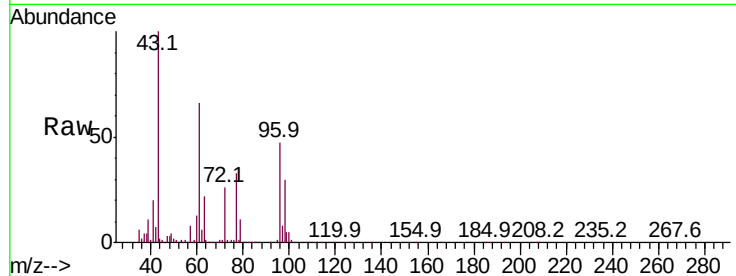
72 25.7 19.1 28.7

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#26

2,2-Dichloropropane

Concen: 129.824 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010335.D

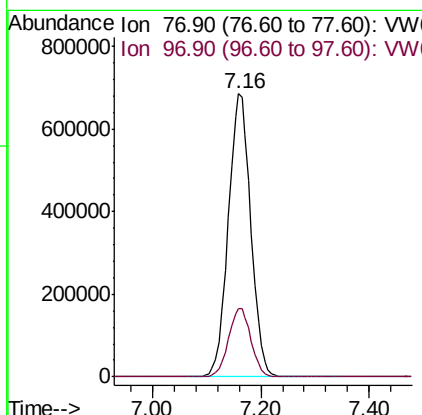
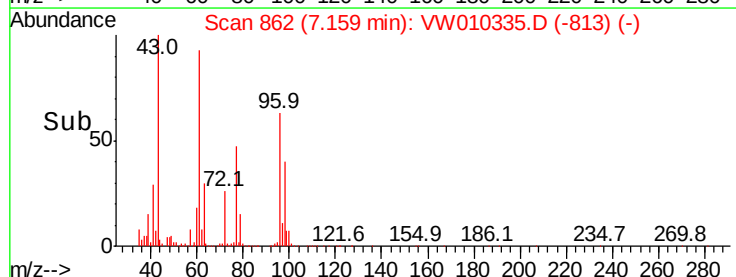
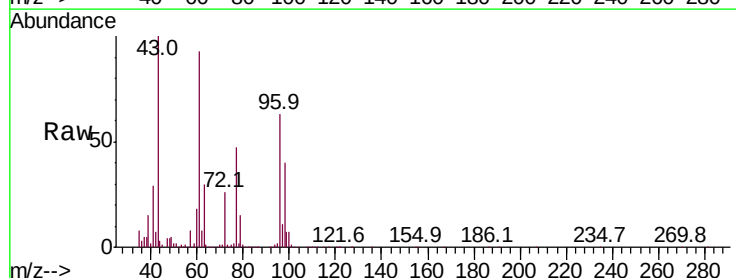
Acq: 09 May 2019 13:31

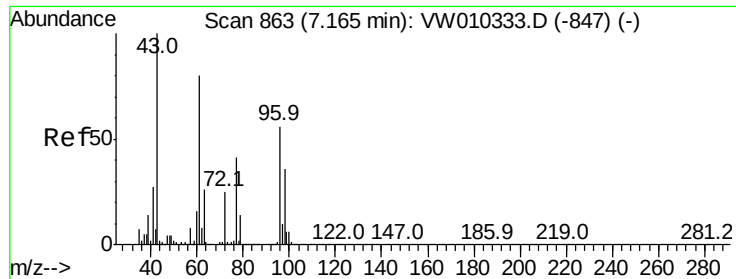
Tgt Ion: 77 Resp: 1968688

Ion Ratio Lower Upper

77 100

97 24.0 11.3 33.9





#27

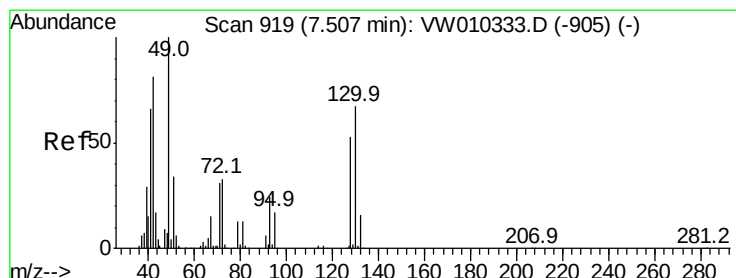
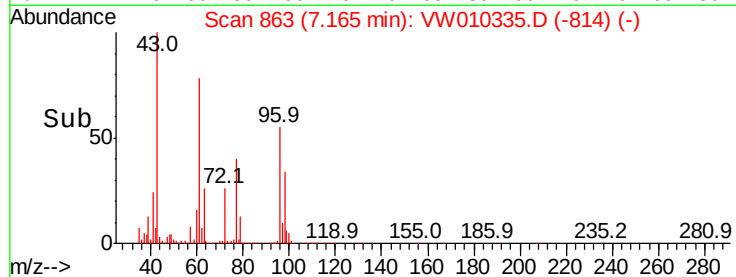
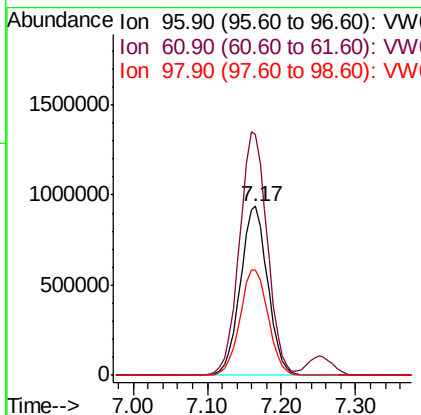
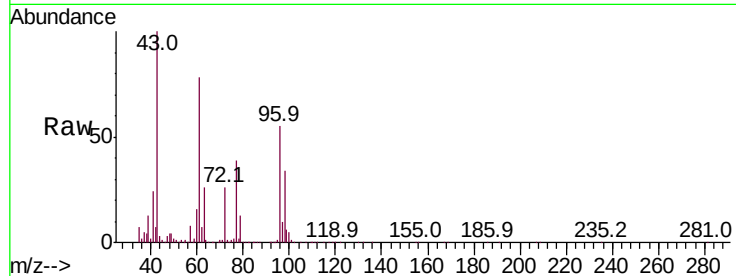
cis-1,2-Dichloroethene
Concen: 159.818 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	309.4
98	64.1	0.0	128.6

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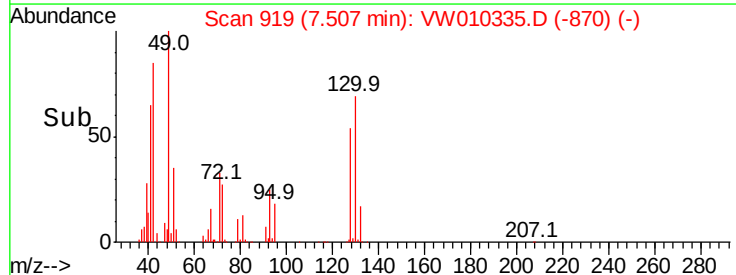
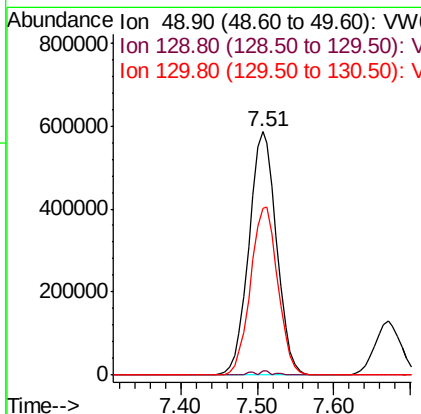
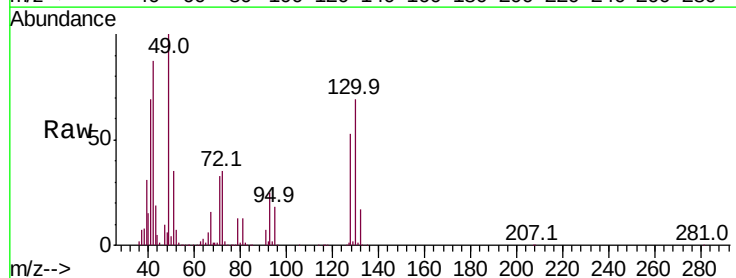
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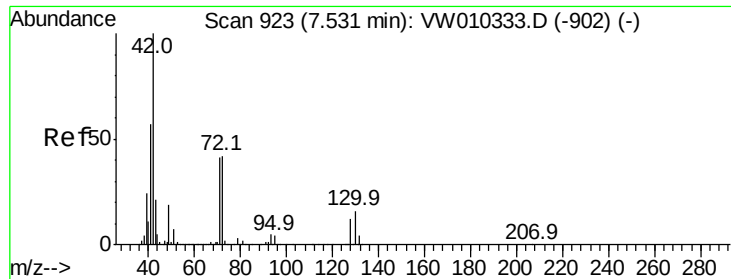


#28

Bromochloromethane
Concen: 131.348 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	68.7	54.6	82.0





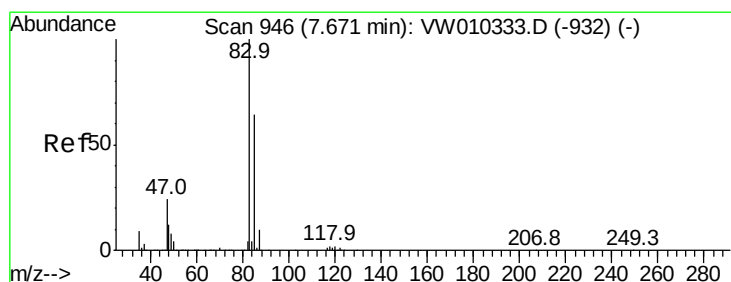
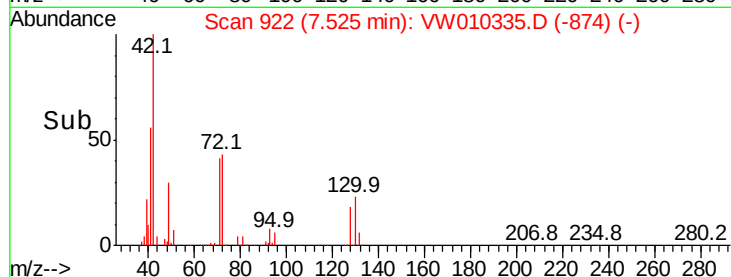
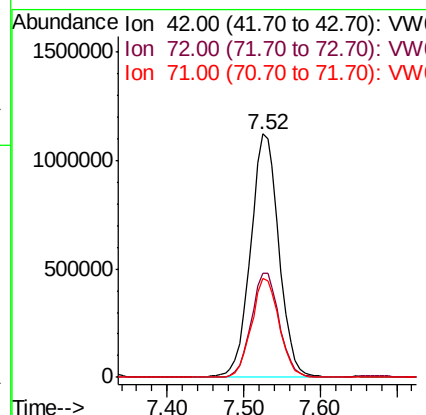
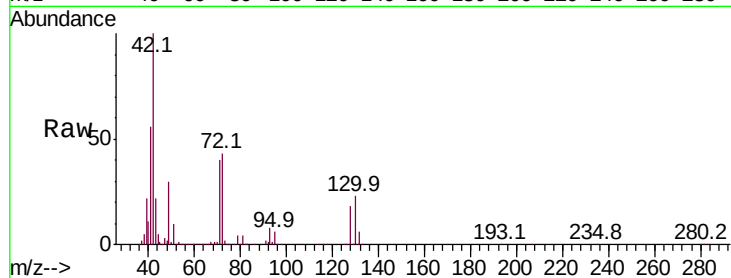
#29
Tetrahydrofuran
Concen: 943.586 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	31.0	46.6
71	39.6	29.7	44.5

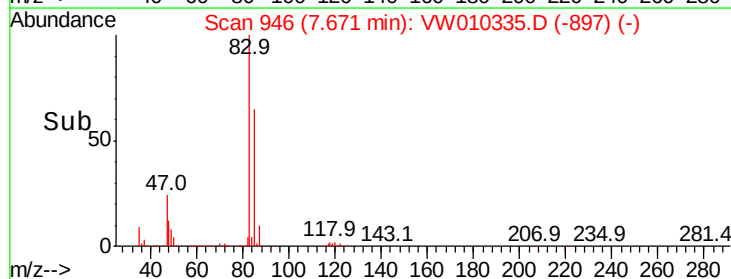
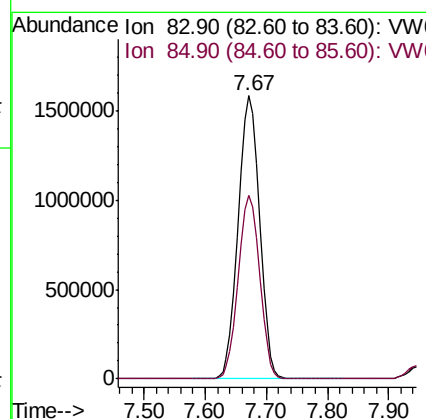
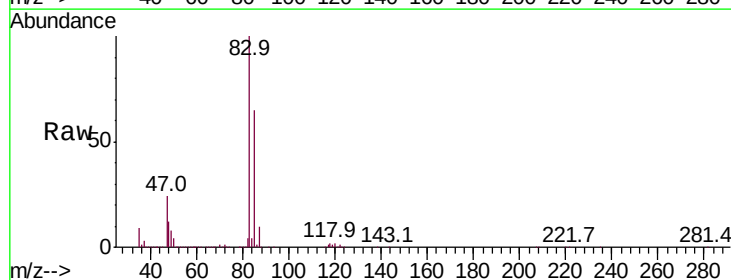
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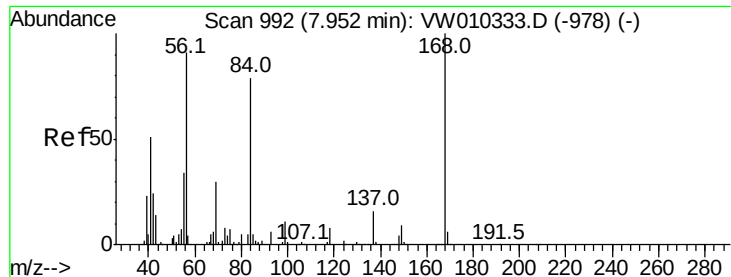
MMDadoda
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#30
Chloroform
Concen: 138.057 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1





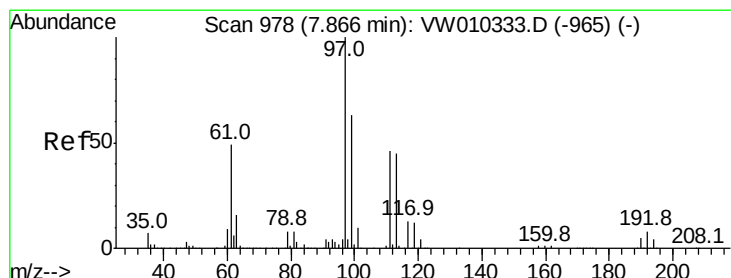
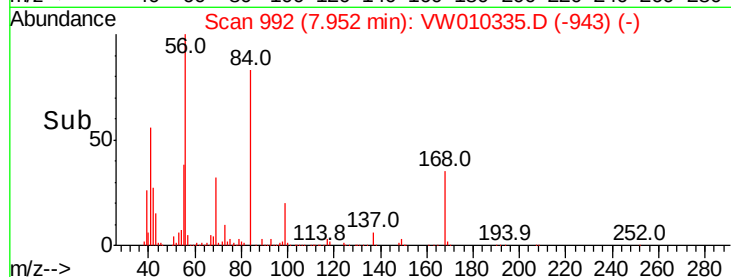
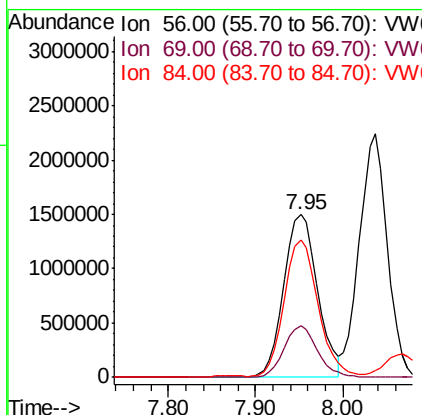
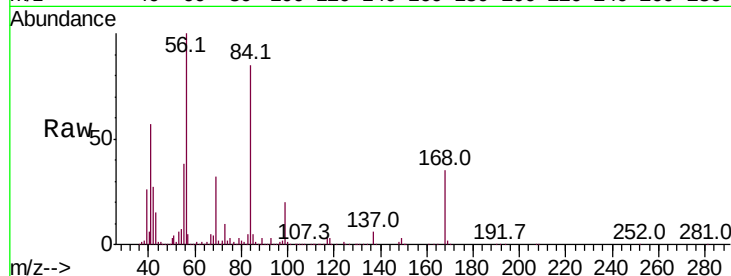
#31
Cyclohexane
Concen: 157.362 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 56 Resp: 4038930
Ion Ratio Lower Upper
56 100
69 31.9 26.6 40.0
84 84.9 66.2 99.2

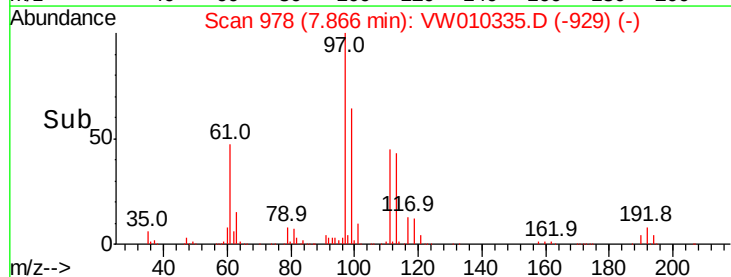
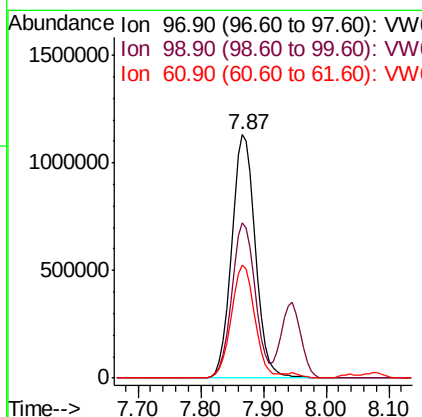
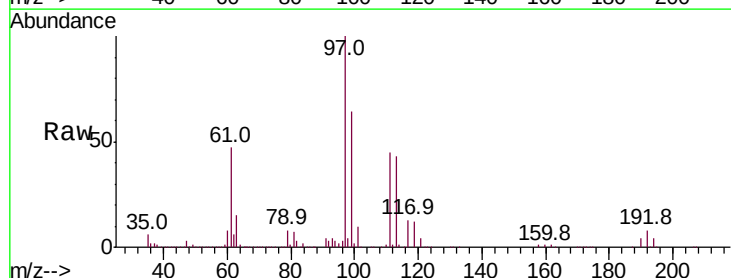
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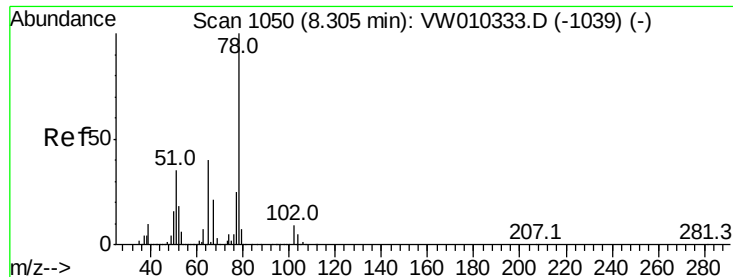
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#32
1,1,1-Trichloroethane
Concen: 136.796 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion: 97 Resp: 2949416
Ion Ratio Lower Upper
97 100
99 63.1 50.2 75.2
61 45.9 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 129.276 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 2051724

Ion Ratio Lower Upper

65 100

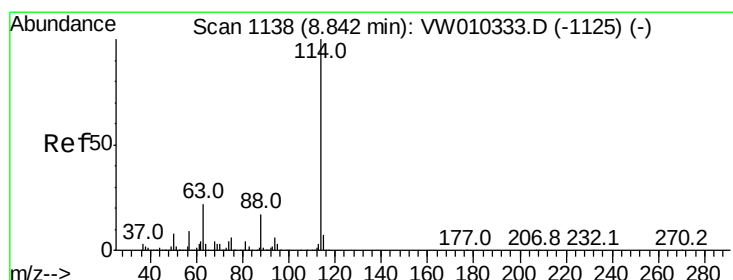
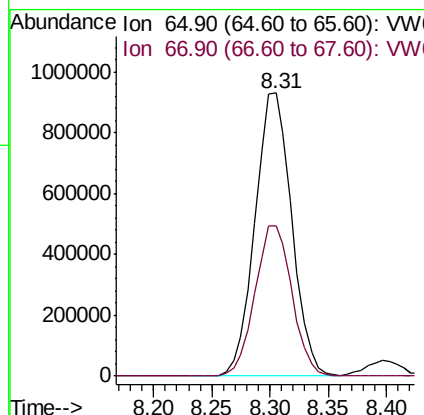
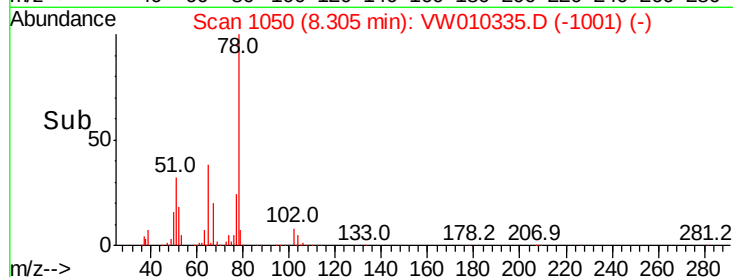
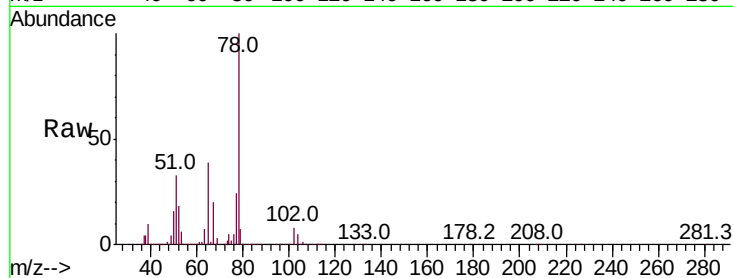
67 53.4 0.0 100.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

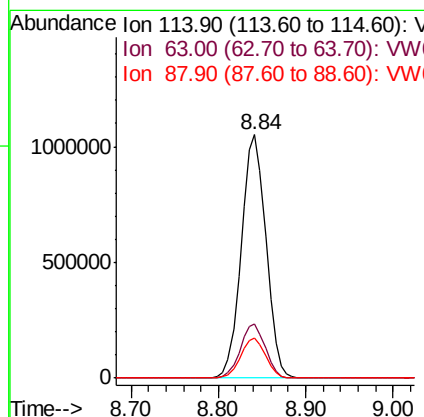
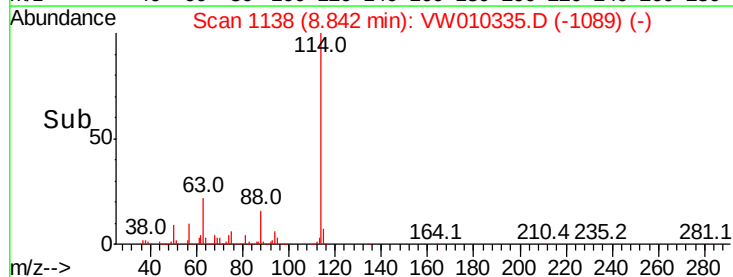
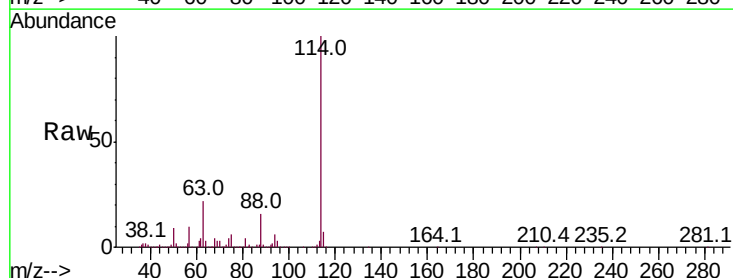
Tgt Ion: 114 Resp: 2057269

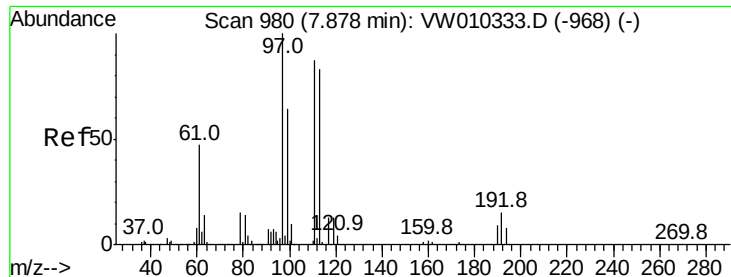
Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.2

88 16.5 0.0 32.6





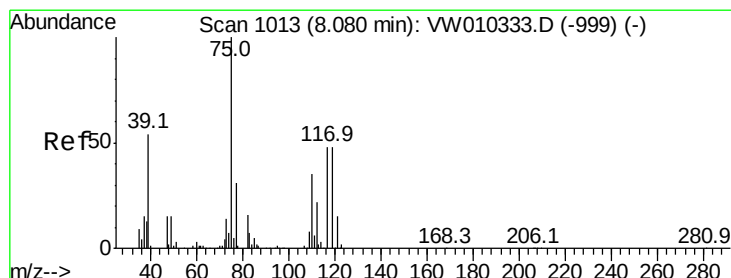
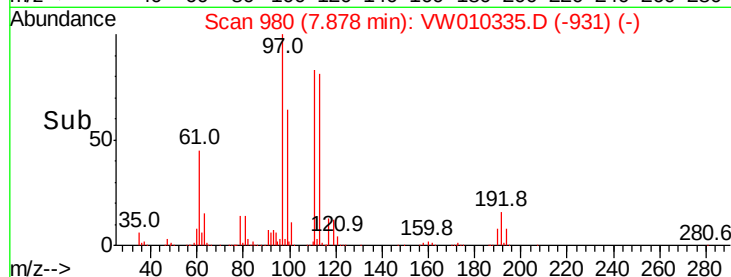
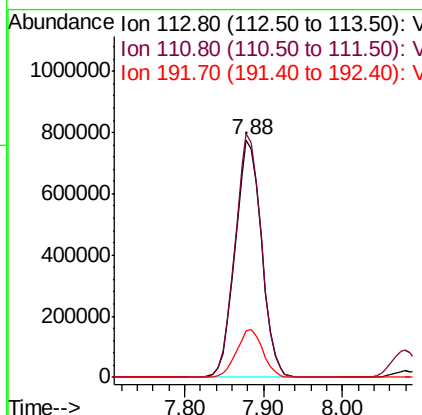
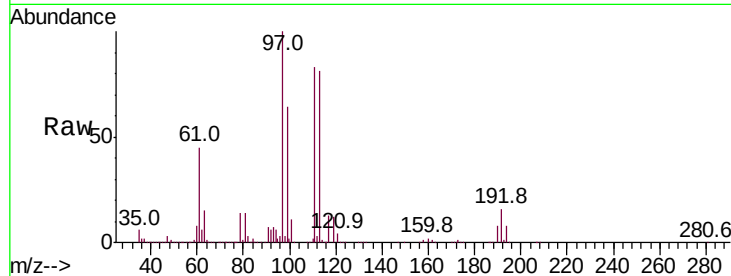
#35
 Dibromofluoromethane
 Concen: 138.106 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion:113 Resp: 1806346
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 20.1 15.4 23.2

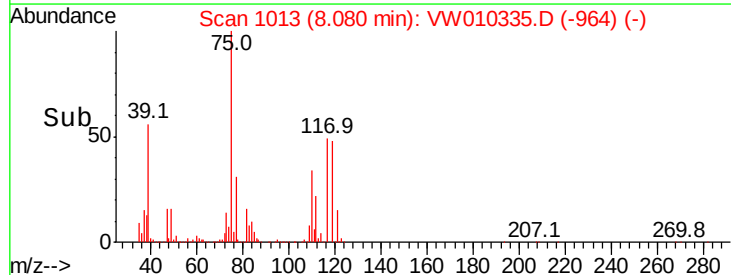
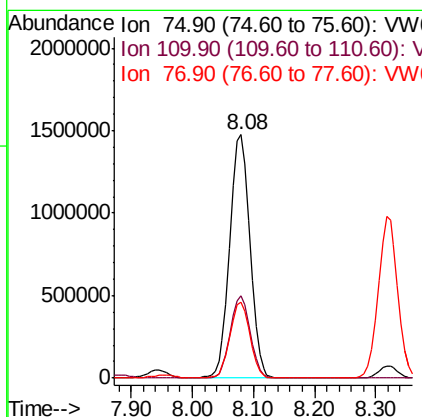
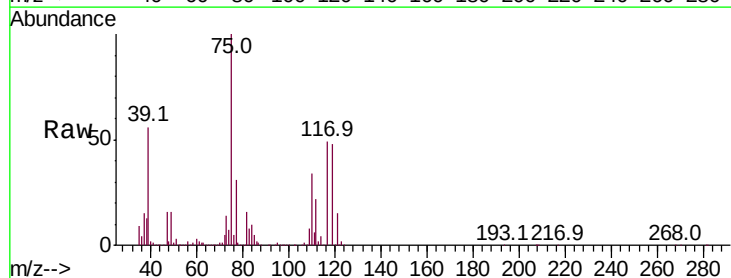
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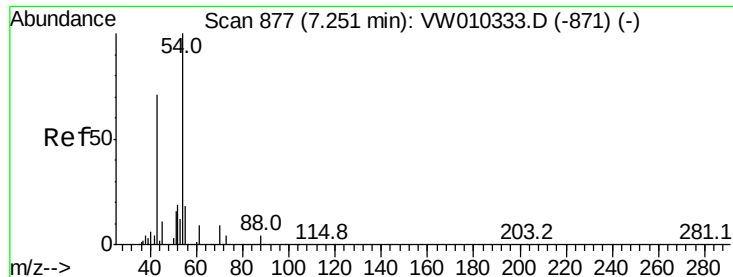
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#36
 1,1-Dichloropropene
 Concen: 158.822 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 75 Resp: 3337579
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.6 49.8
 77 31.0 24.8 37.2





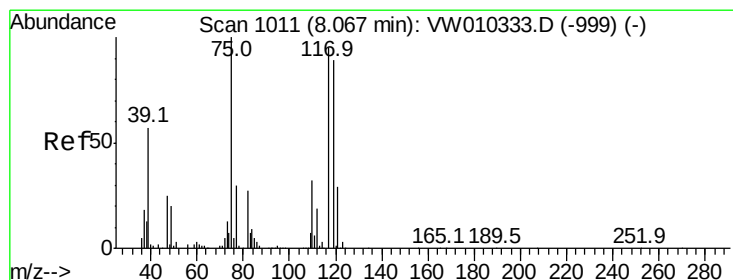
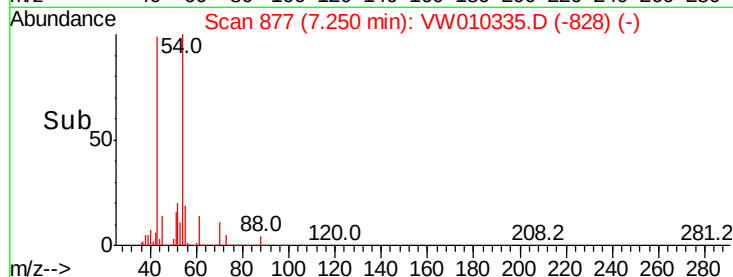
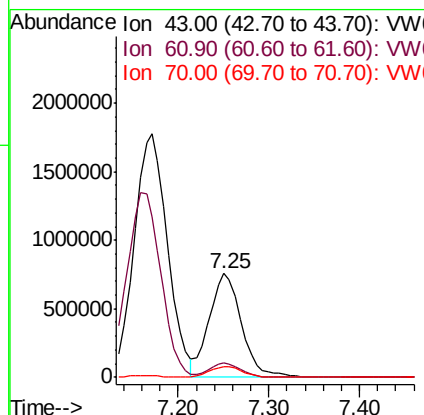
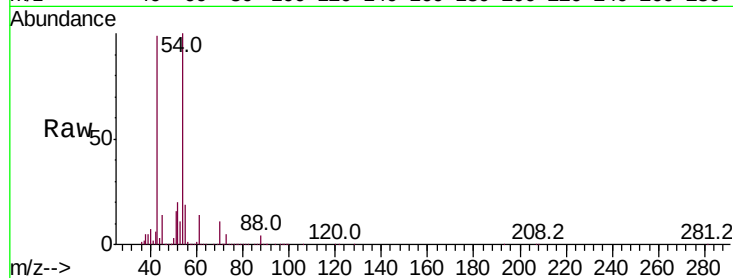
#37
Ethyl Acetate
Concen: 177.004 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1890129
Ion Ratio Lower Upper
43 100
61 13.4 9.8 14.8
70 10.3 7.4 11.0

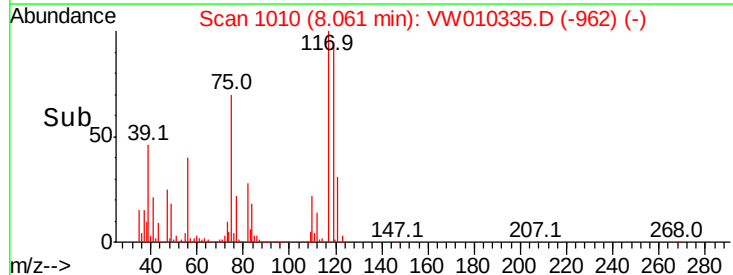
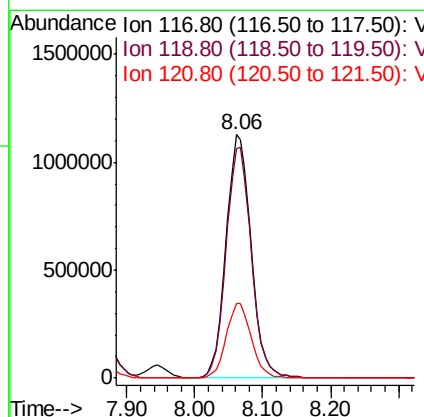
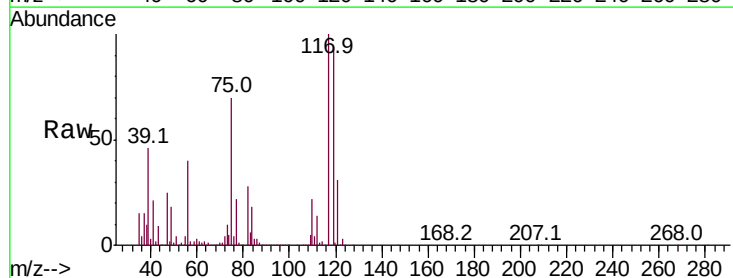
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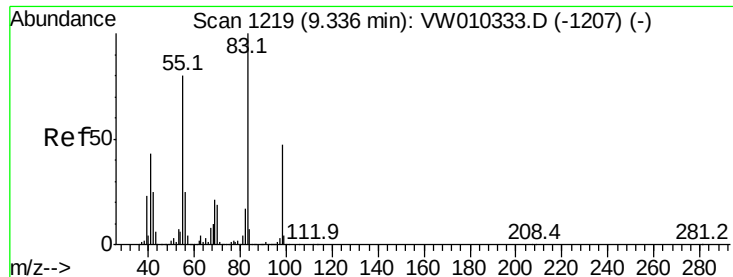
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#38
Carbon Tetrachloride
Concen: 140.440 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion: 117 Resp: 2880358
Ion Ratio Lower Upper
117 100
119 94.2 75.3 112.9
121 30.6 24.4 36.6





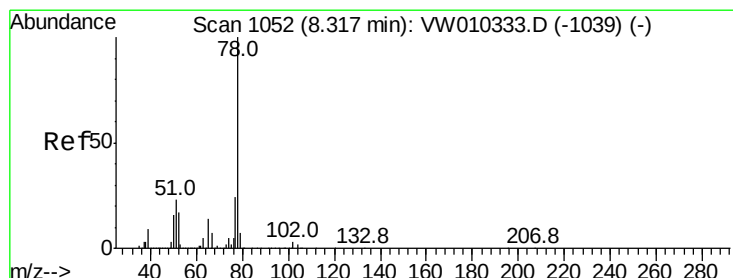
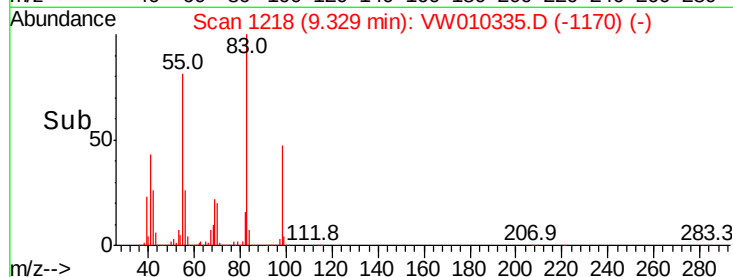
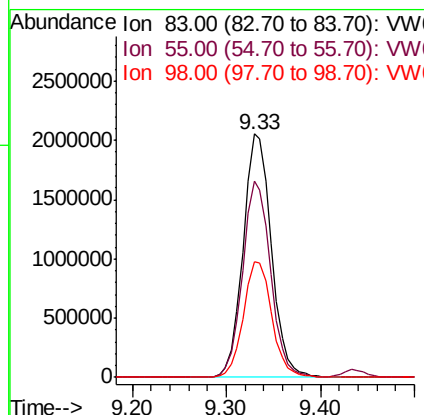
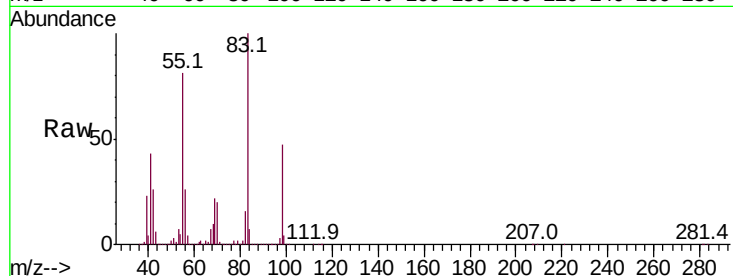
#39
Methvlcvclohexane
Concen: 182.332 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion	83	Resp	4311683
Ion	Ratio	Lower	Upper
83	100		
55	80.8	67.1	100.7
98	47.4	39.2	58.8

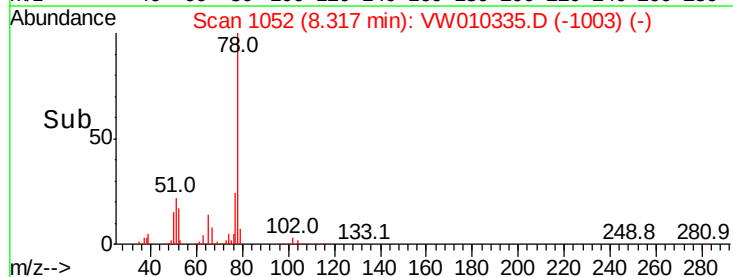
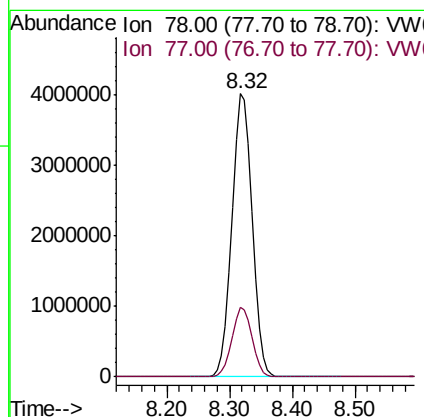
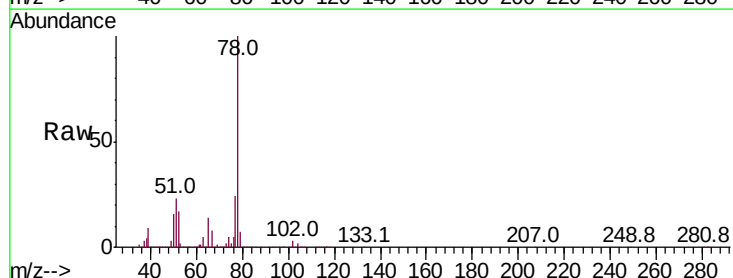
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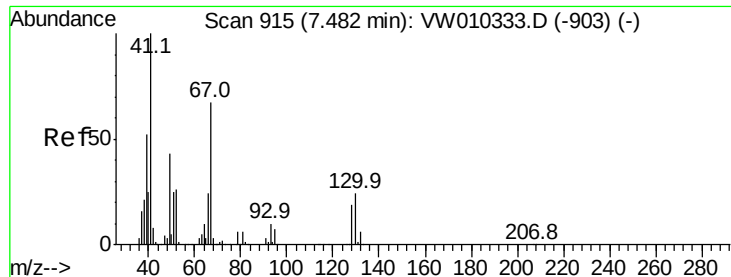
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#40
Benzene
Concen: 156.193 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion	78	Resp	8974802
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





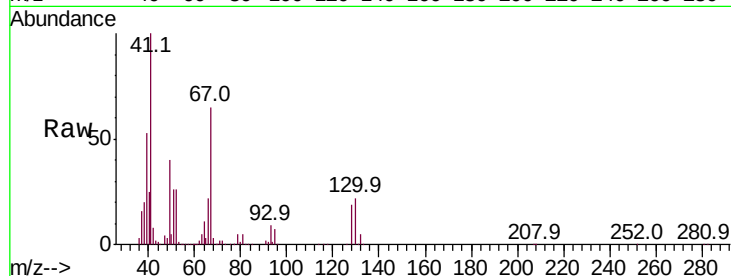
#41
Methacrylonitrile
Concen: 185.995 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.3	45.0	67.4
67	67.4	50.7	76.1
52	27.0	22.6	33.8

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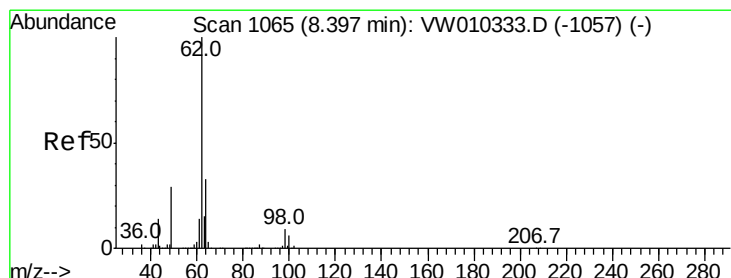
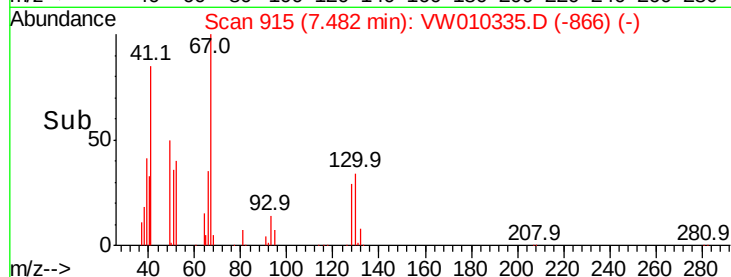
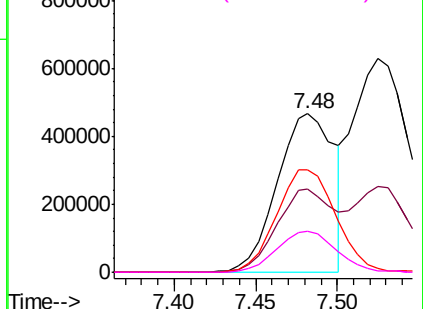
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

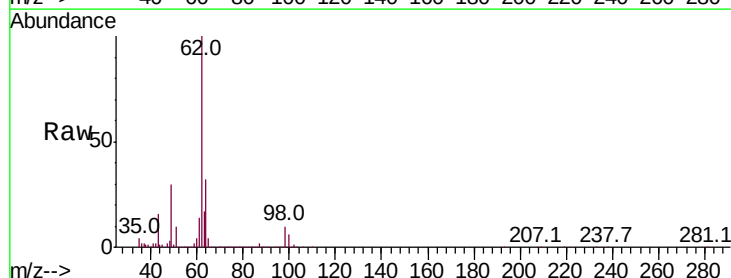
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 131.880 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

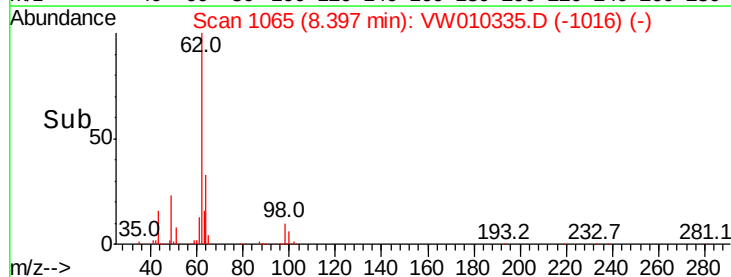
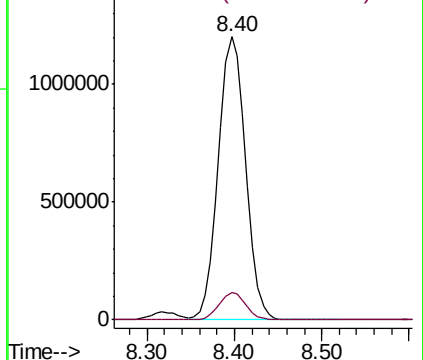
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	16.6

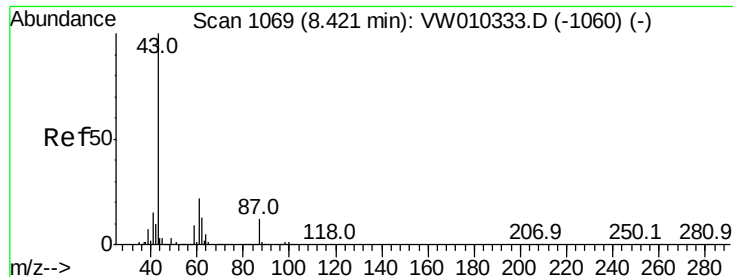


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 164.891 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3299514

Ion Ratio Lower Upper

43 100

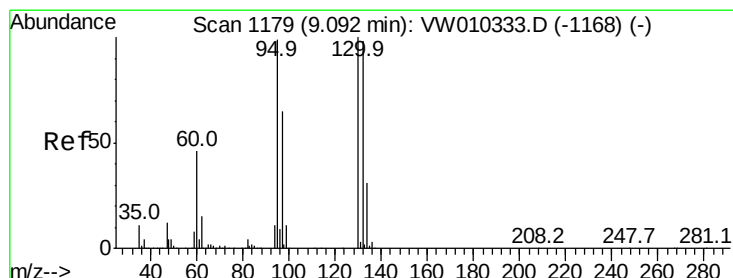
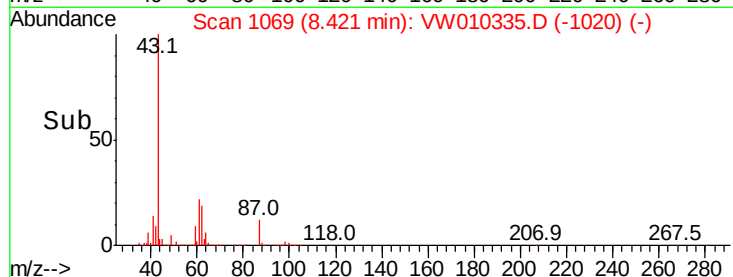
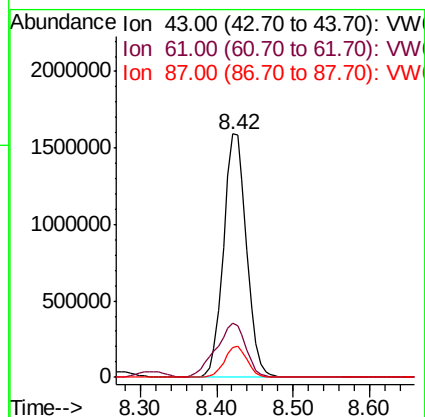
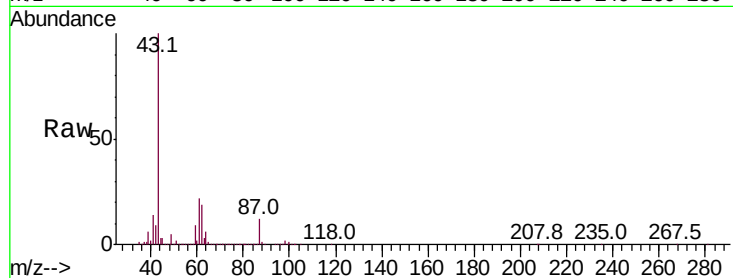
61 29.1 23.0 34.6

87 12.7 9.3 13.9

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#44

Trichloroethene

Concen: 157.625 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010335.D

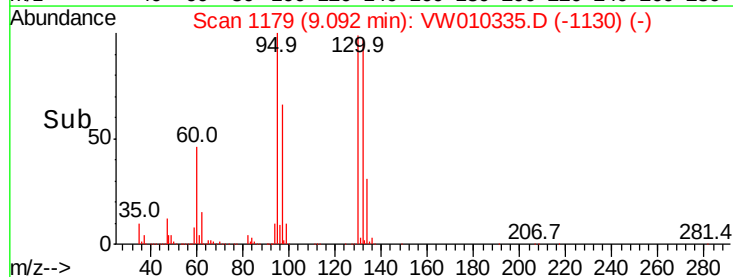
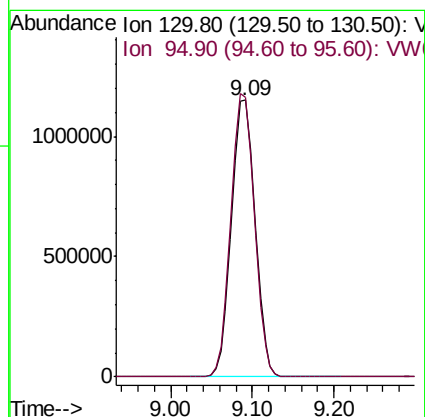
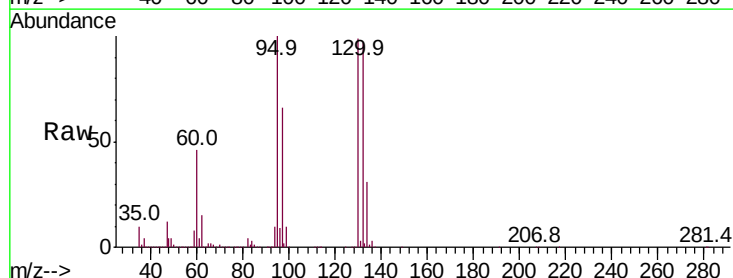
Acq: 09 May 2019 13:31

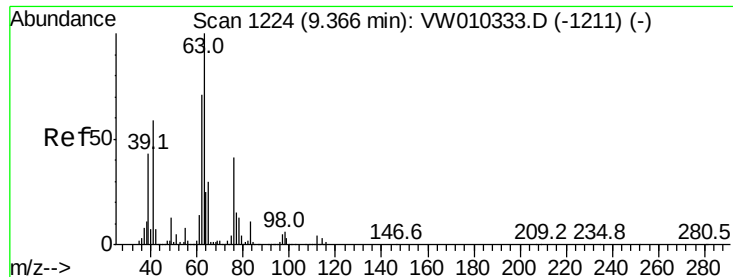
Tgt Ion:130 Resp: 2300393

Ion Ratio Lower Upper

130 100

95 101.0 0.0 205.4





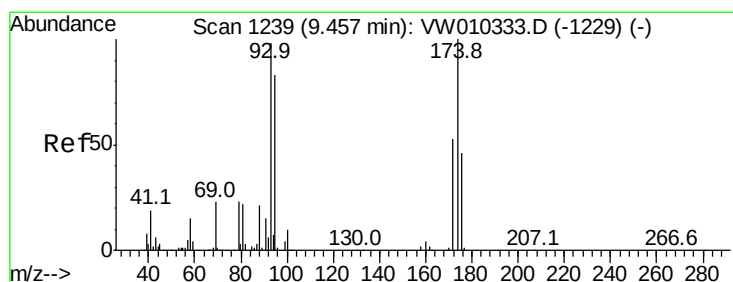
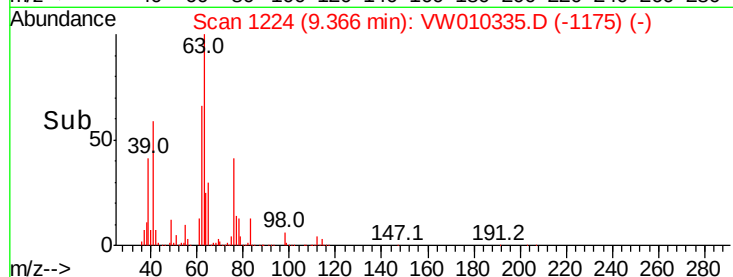
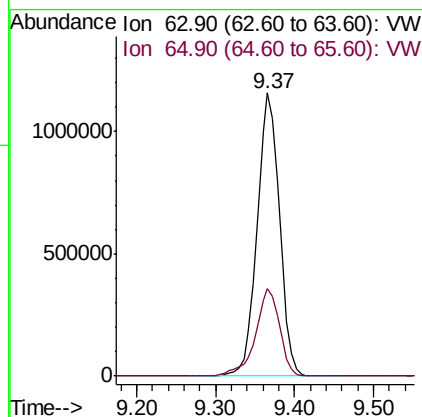
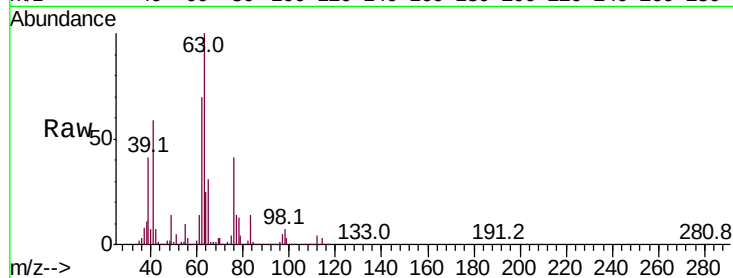
#45
 1,2-Dichloropropane
 Concen: 150.670 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion: 63 Resp: 2275617
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.8 35.6

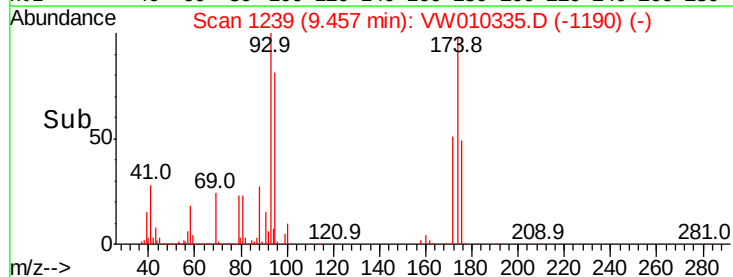
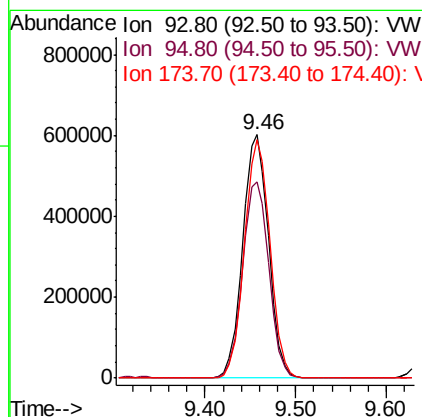
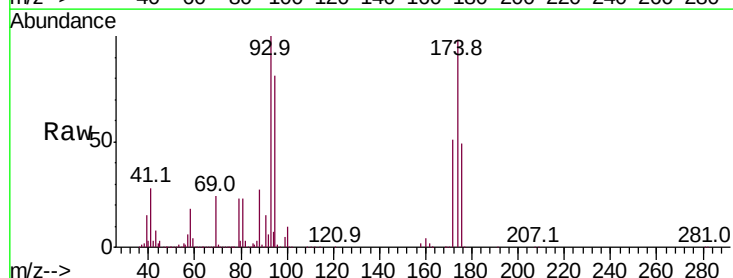
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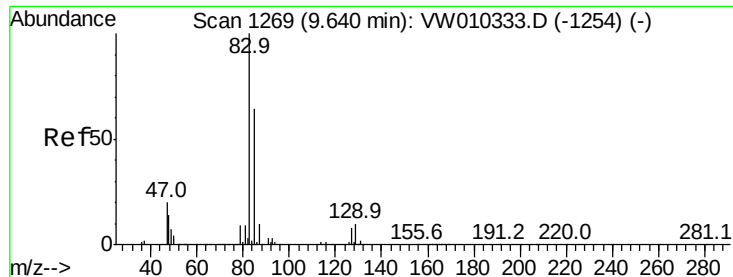
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#46
 Dibromomethane
 Concen: 150.392 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 93 Resp: 1177263
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.8
 174 97.3 75.5 113.3





#47

Bromodichloromethane

Concen: 143.170 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 2893077

Ion Ratio Lower Upper

83 100

85 63.3 50.6 75.8

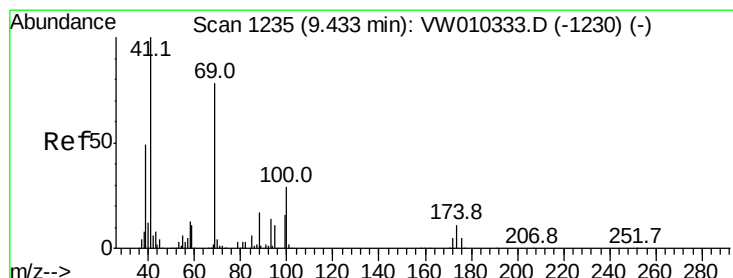
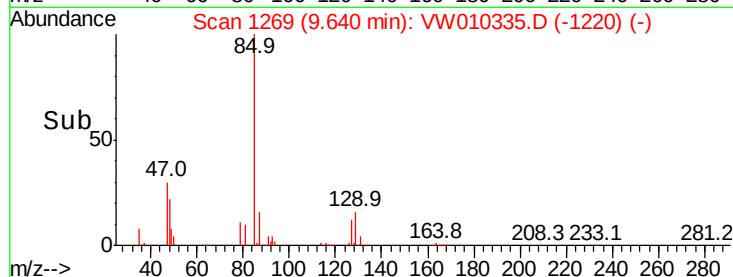
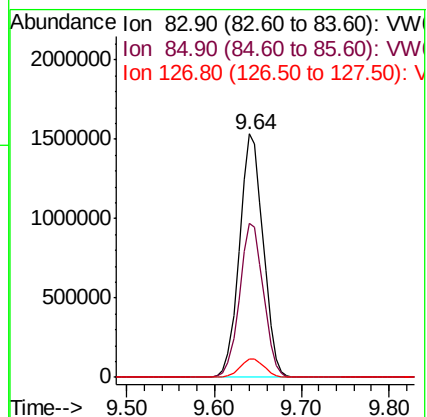
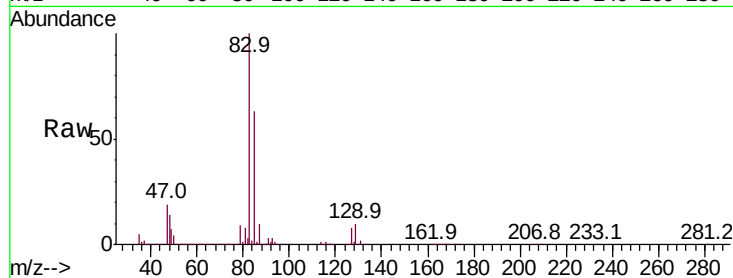
127 7.7 6.6 10.0

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#48

Methyl methacrylate

Concen: 164.355 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

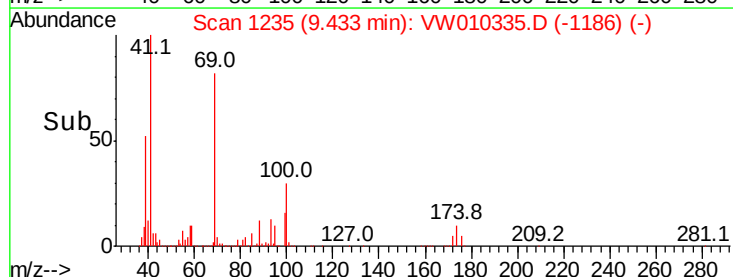
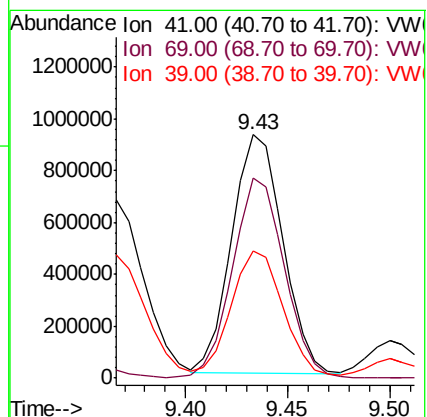
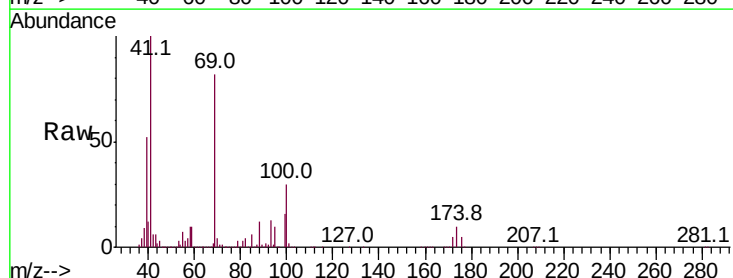
Tgt Ion: 41 Resp: 1600908

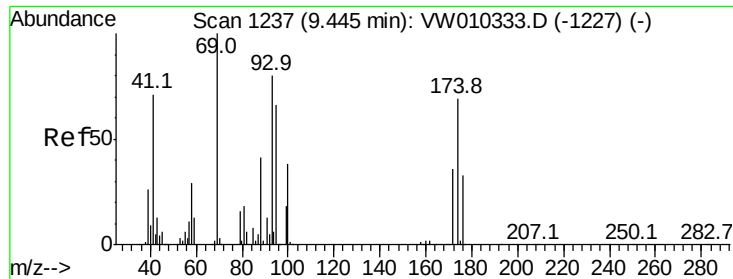
Ion Ratio Lower Upper

41 100

69 85.8 60.1 90.1

39 52.1 51.0 76.6





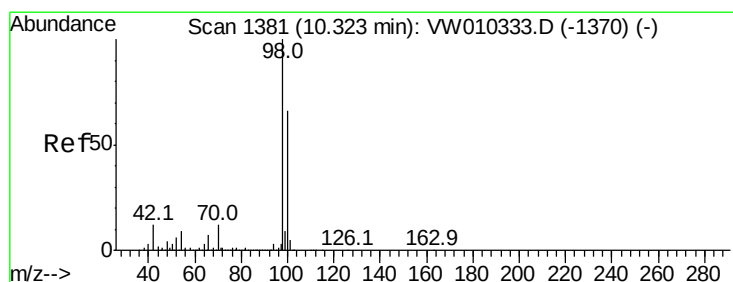
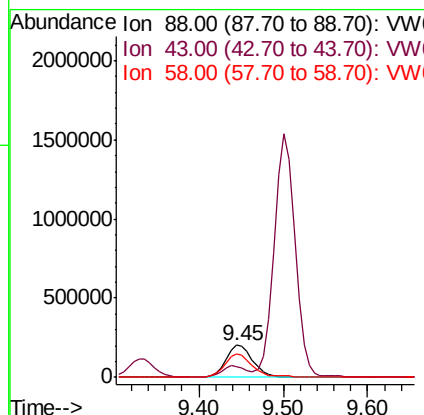
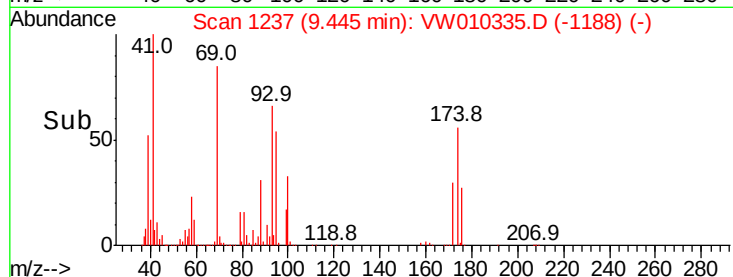
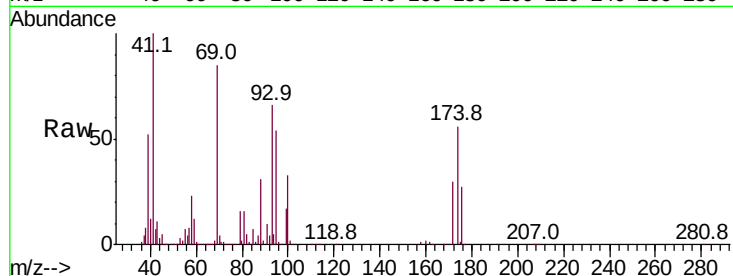
#49
1,4-Dioxane
Concen: 3665.663 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	31.9	47.9
58	76.3	61.8	92.6

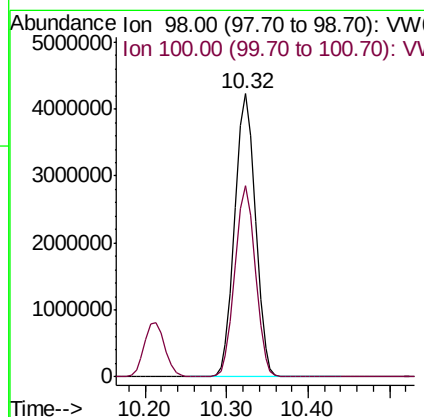
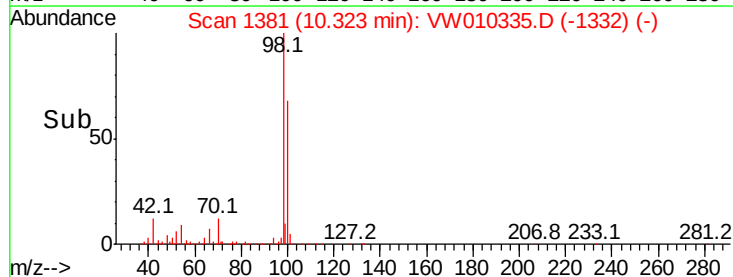
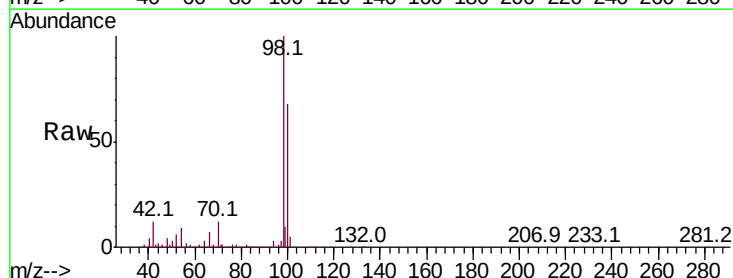
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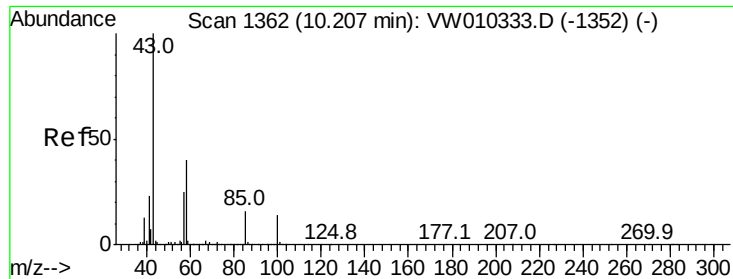
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#50
Toluene-d8
Concen: 150.135 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 868.824 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 9105723

Ion Ratio Lower Upper

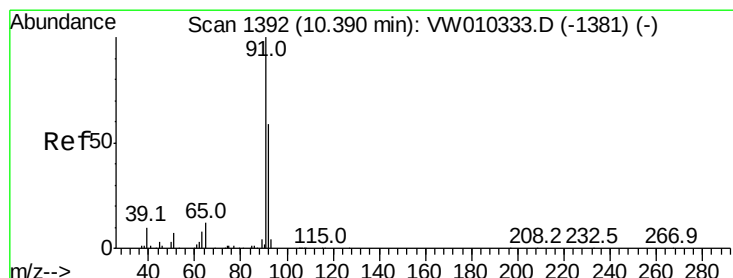
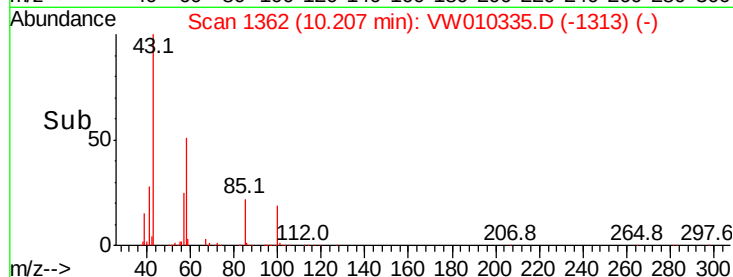
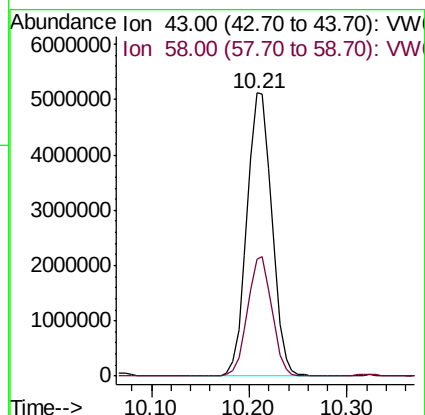
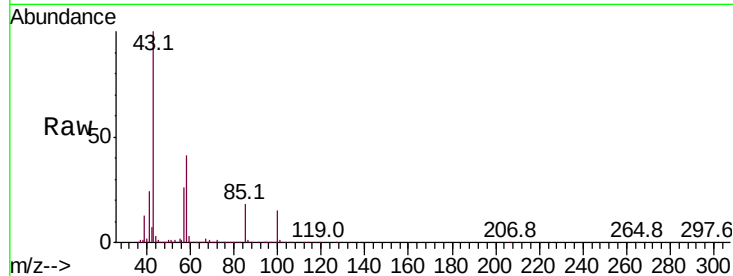
43 100

58 41.0 28.9 43.3

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#52

Toluene

Concen: 156.466 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010335.D

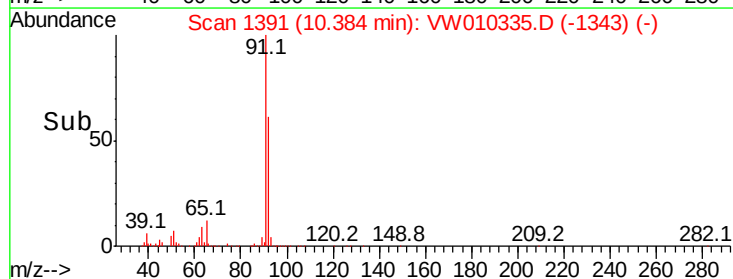
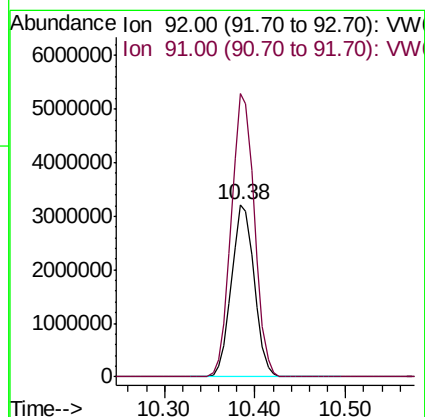
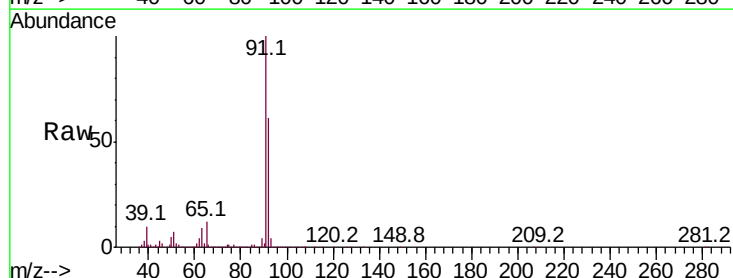
Acq: 09 May 2019 13:31

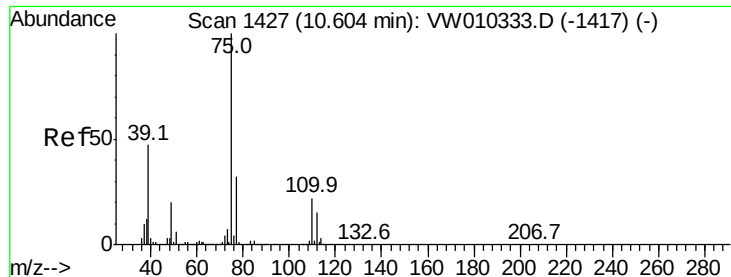
Tgt Ion: 92 Resp: 5600354

Ion Ratio Lower Upper

92 100

91 167.2 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 155.720 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 3119771

Ion Ratio Lower Upper

75 100

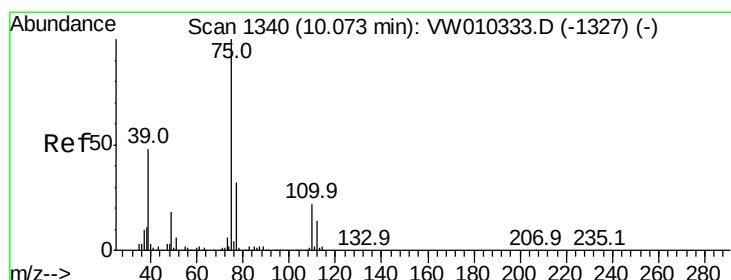
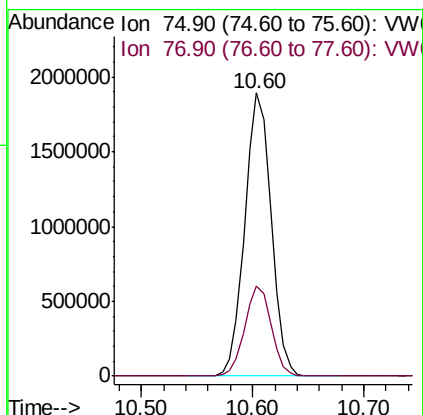
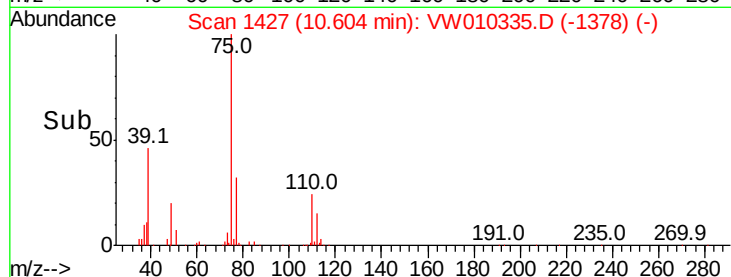
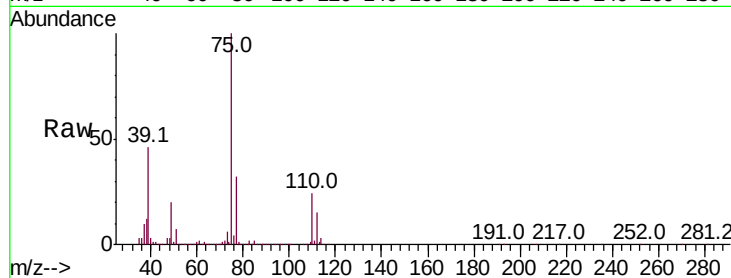
77 32.0 26.9 40.3

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#54

cis-1,3-Dichloropropene

Concen: 158.305 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

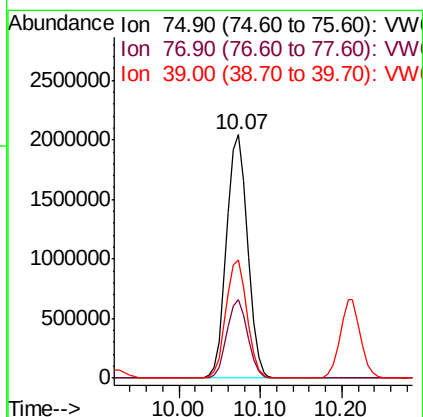
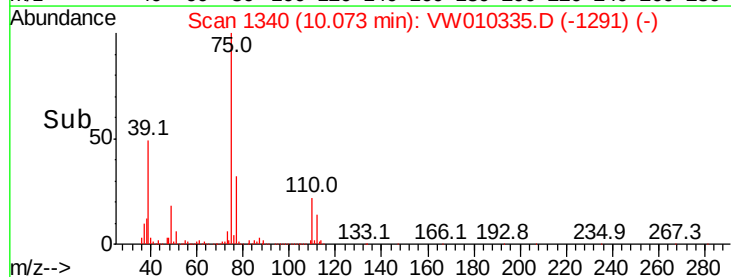
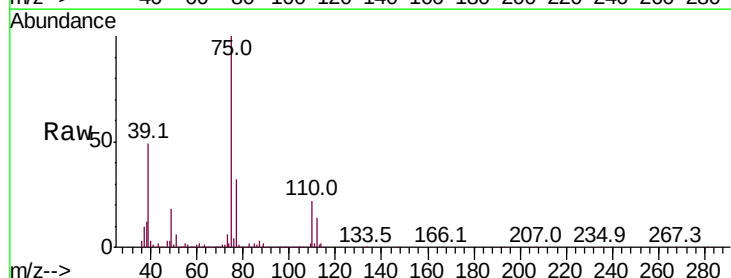
Tgt Ion: 75 Resp: 3621485

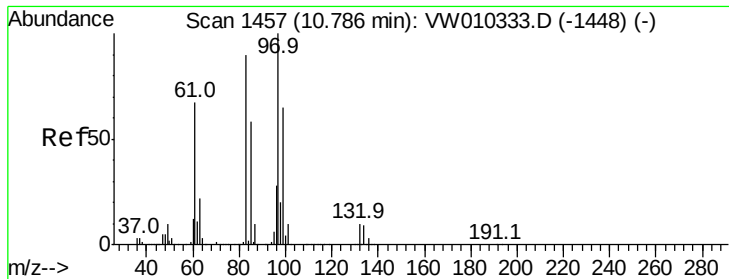
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 48.7 47.8 71.6





#55

1,1,2-Trichloroethane

Concen: 153.006 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 1671717

Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.9	103.3
85	55.3	42.9	64.3
99	62.1	48.6	72.8

97 100

83 86.0 68.9 103.3

85 55.3 42.9 64.3

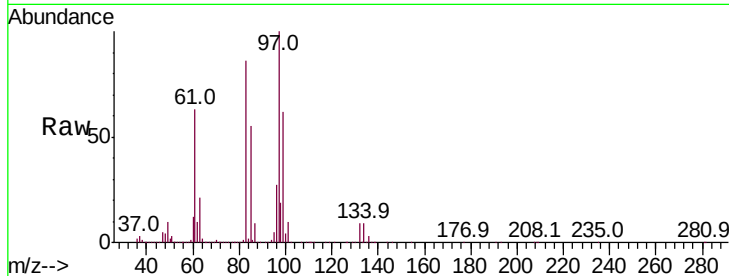
99 62.1 48.6 72.8

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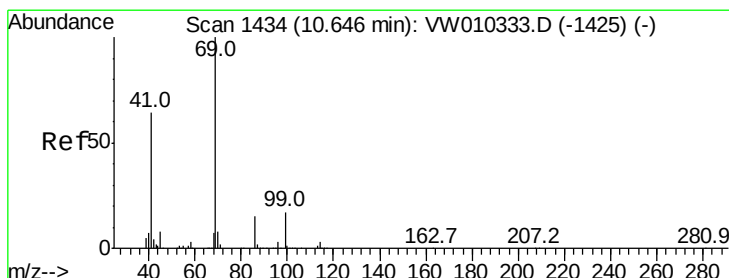
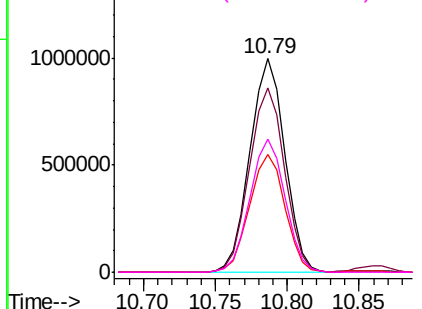
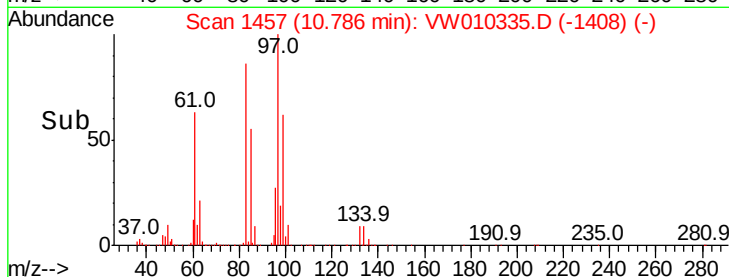
Abundance

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: 189.173 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

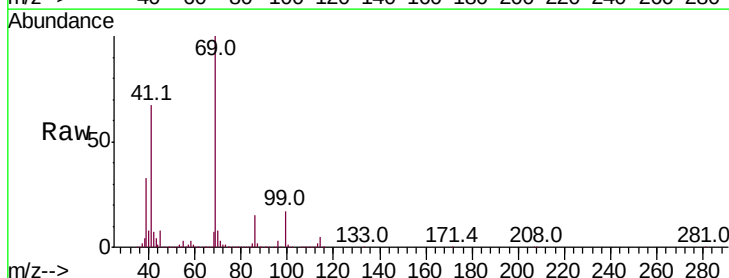
Tgt Ion: 69 Resp: 2569466

Ion	Ratio	Lower	Upper
69	100		
41	68.4	61.0	91.6
39	31.2	33.8	50.6#

69 100

41 68.4 61.0 91.6

39 31.2 33.8 50.6#

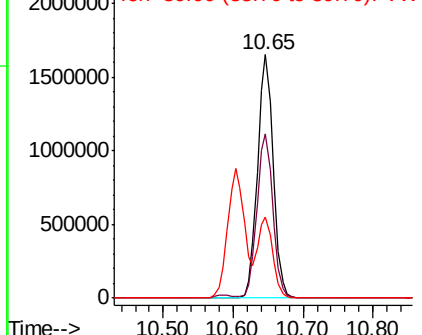
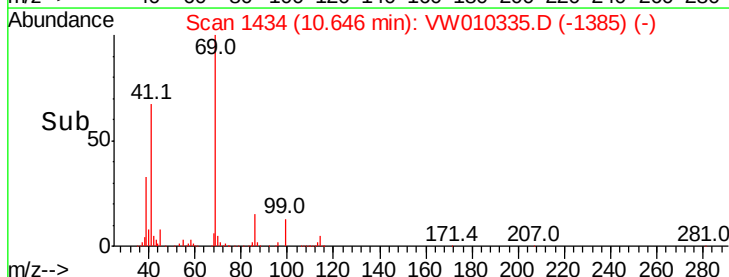


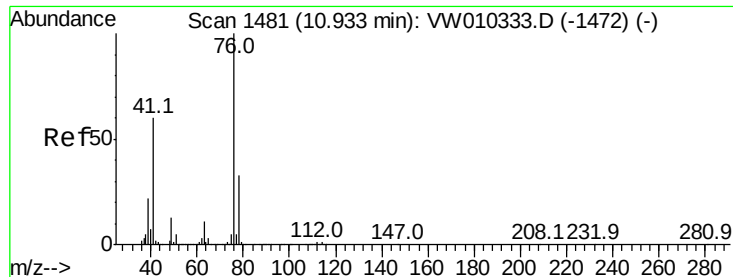
Abundance

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





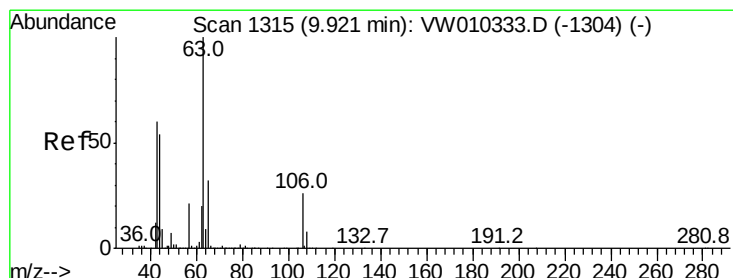
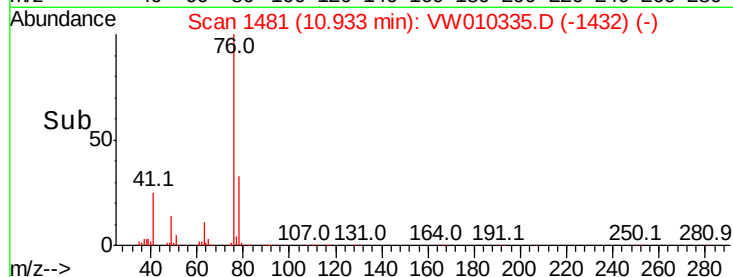
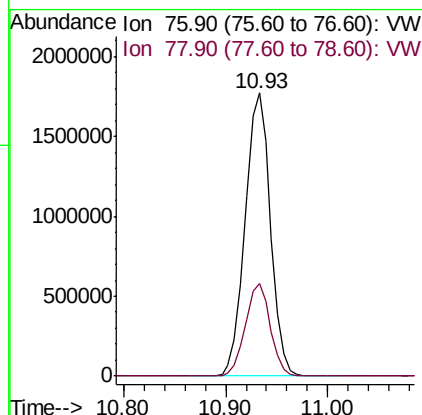
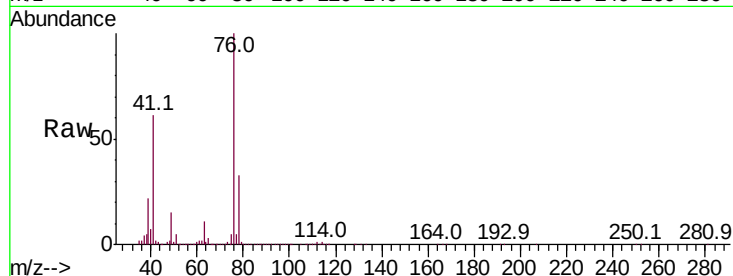
#57
 1,3-Dichloropropane
 Concen: 155.151 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Tot Ion: 76 Resp: 3038327
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

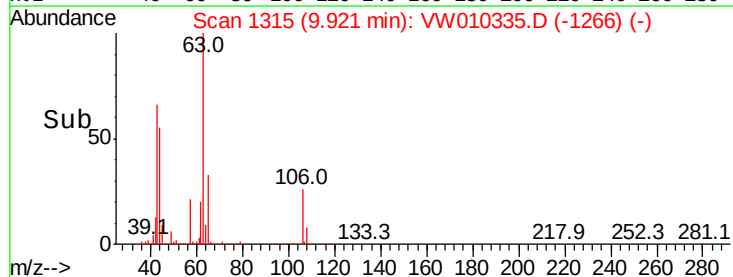
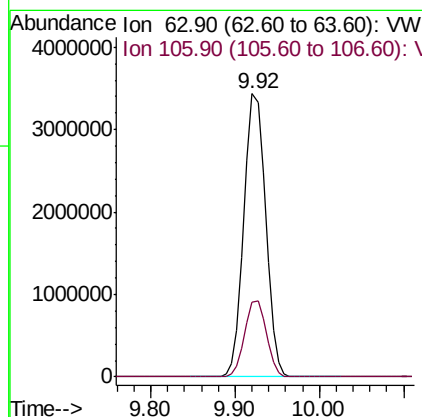
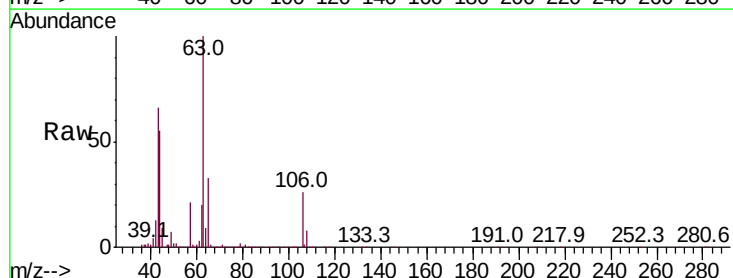
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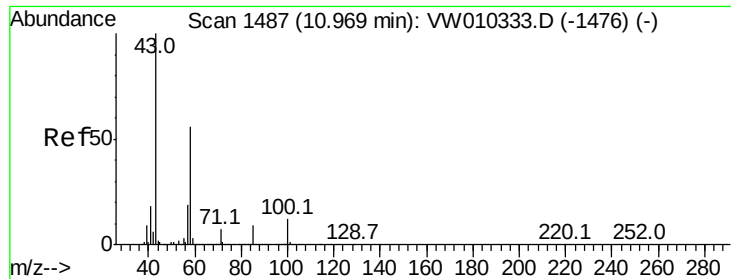
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#58
 2-Chloroethyl Vinyl ether
 Concen: 954.072 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 63 Resp: 5967824
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.4 32.0





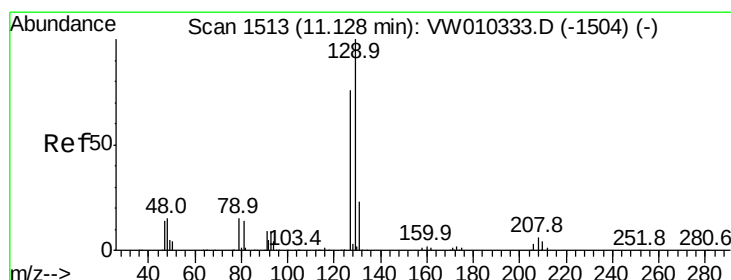
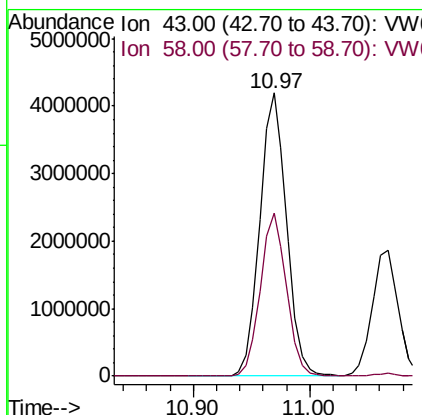
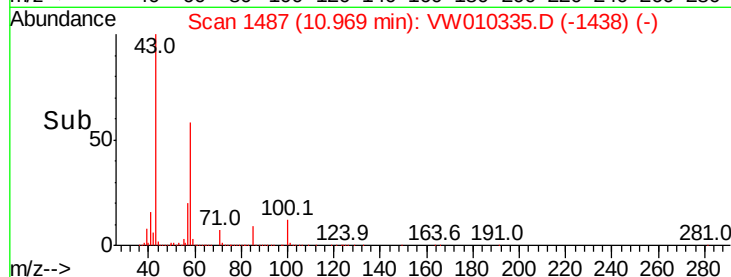
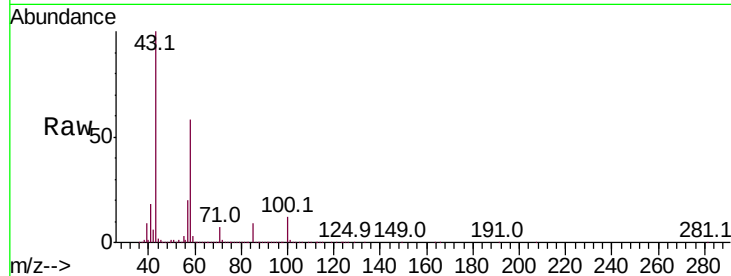
#59
2-Hexanone
Concen: 917.919 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 6696749
Ion Ratio Lower Upper
43 100
58 56.6 24.9 74.7

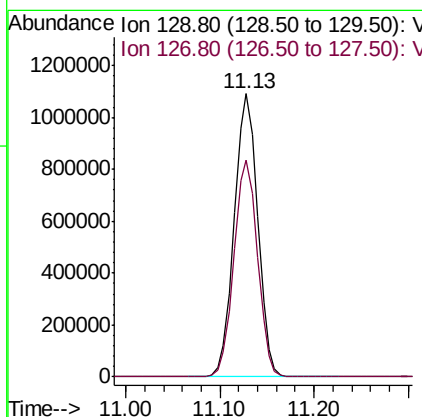
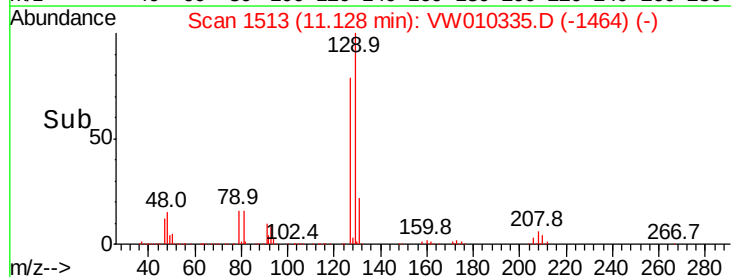
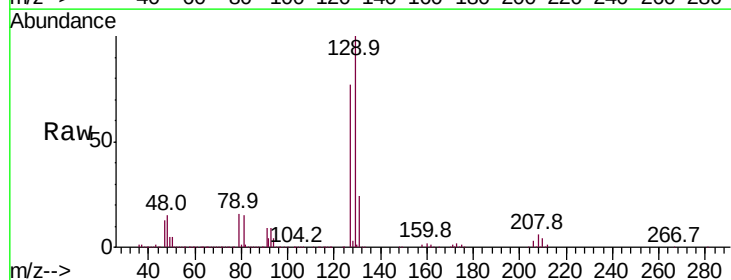
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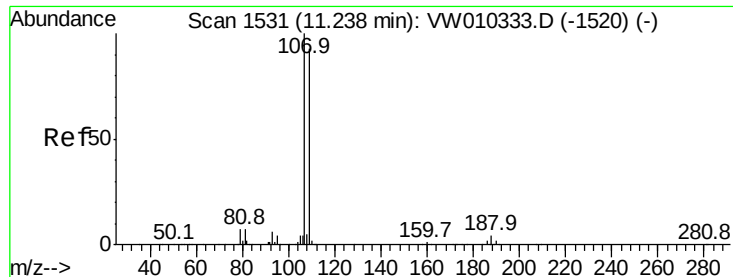
MMDadoda
5/10/2019 10:07:31 AM



#60
Dibromochloromethane
Concen: 149.450 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion: 129 Resp: 1887259
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





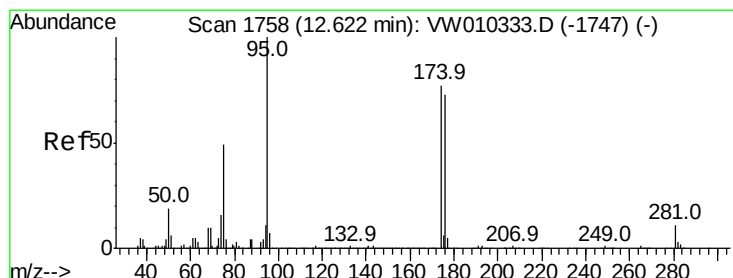
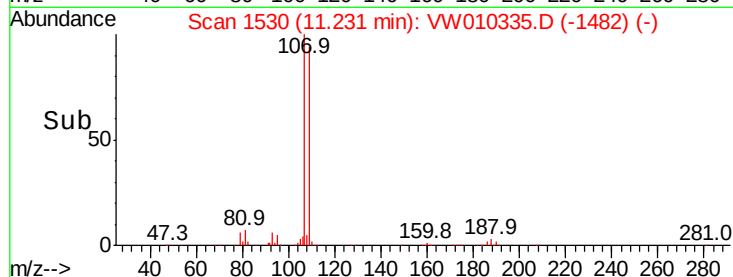
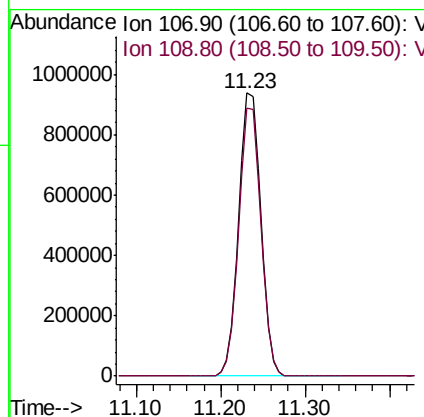
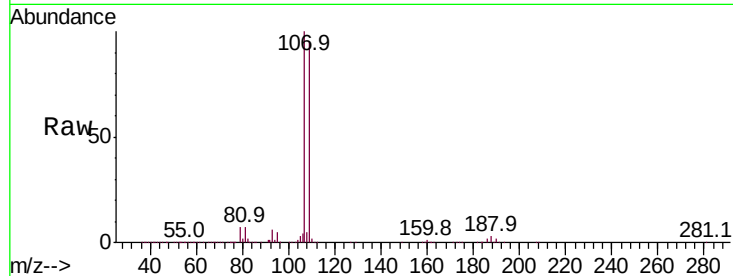
#61
 1,2-Dibromoethane
 Concen: 158.785 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:107 Resp: 1650329
 Ion Ratio Lower Upper
 107 100
 109 94.6 73.6 110.4

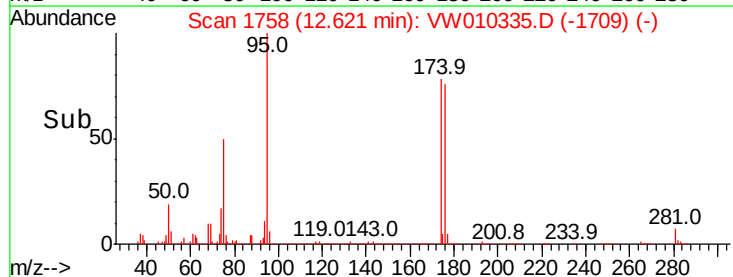
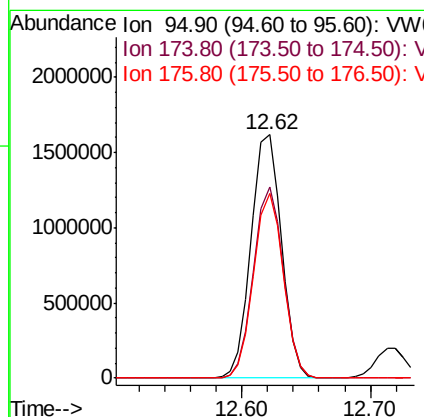
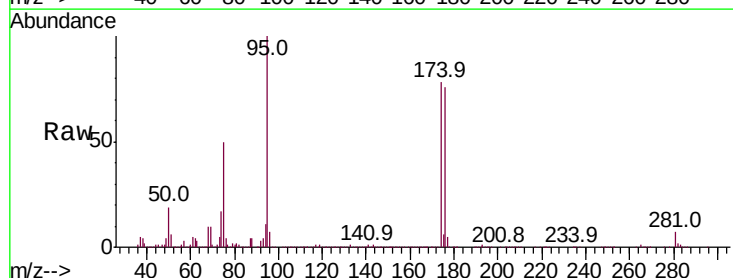
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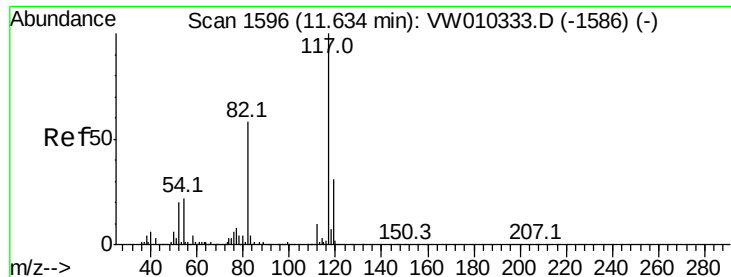
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#62
 4-Bromofluorobenzene
 Concen: 147.882 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 95 Resp: 2634571
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 151.4
 176 74.4 0.0 146.2





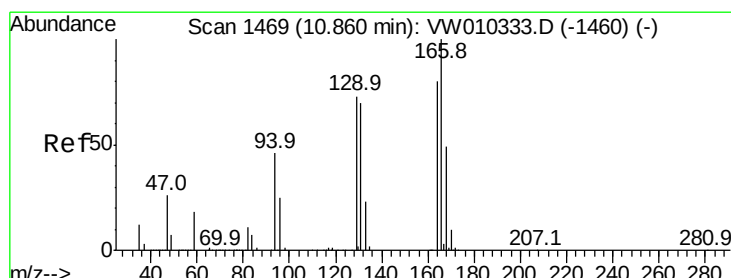
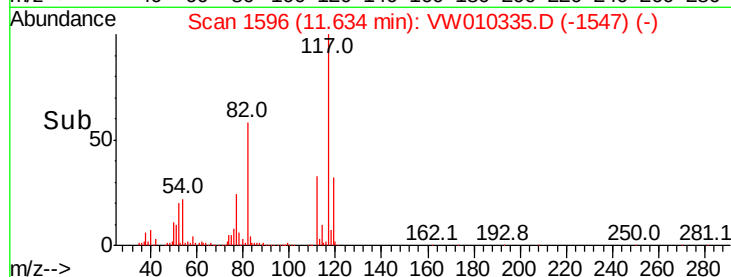
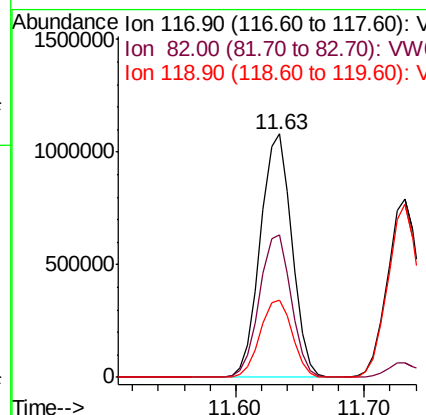
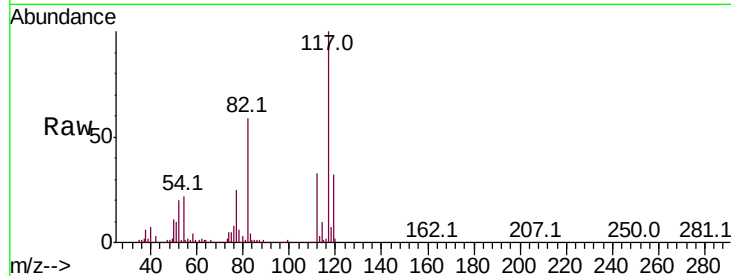
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	45.2	67.8
119	31.6	25.4	38.2

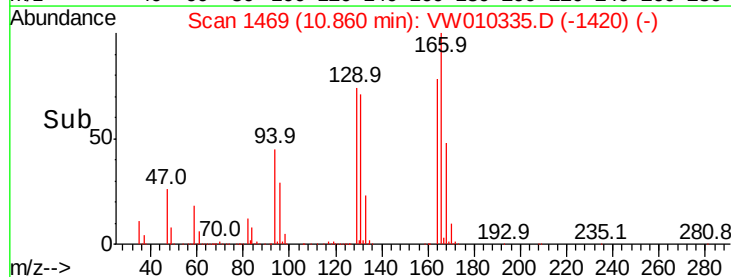
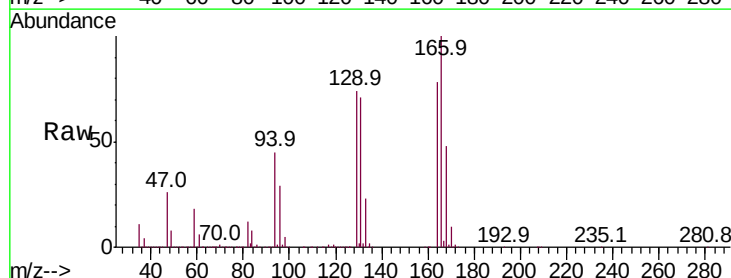
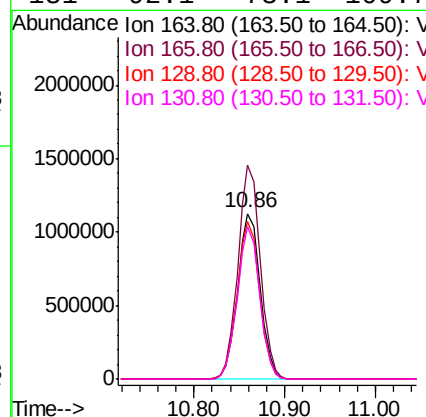
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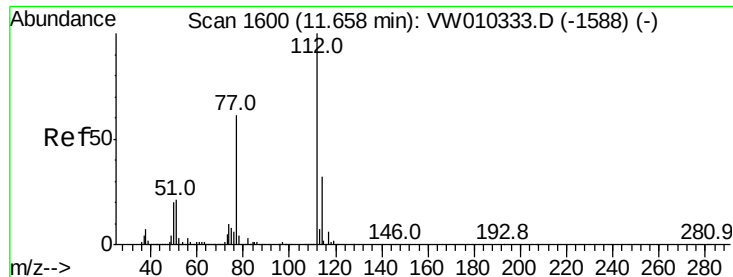
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#64
Tetrachloroethene
Concen: 162.961 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.2	151.8
129	95.5	77.8	116.6
131	92.1	73.1	109.7





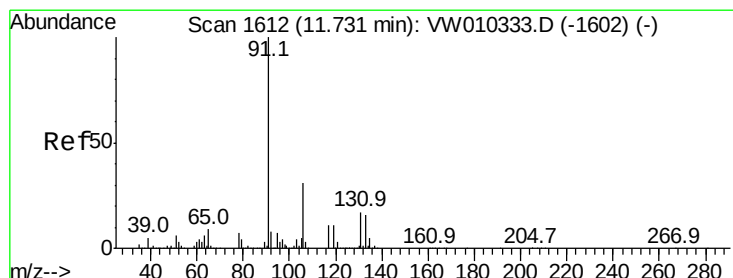
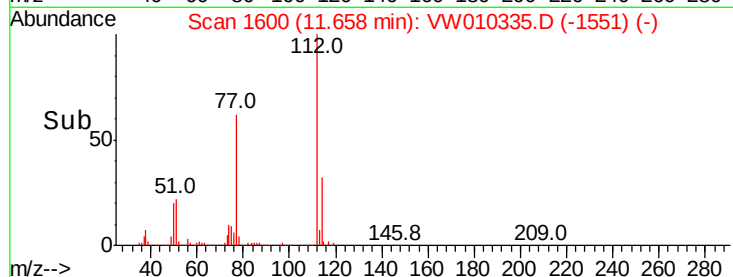
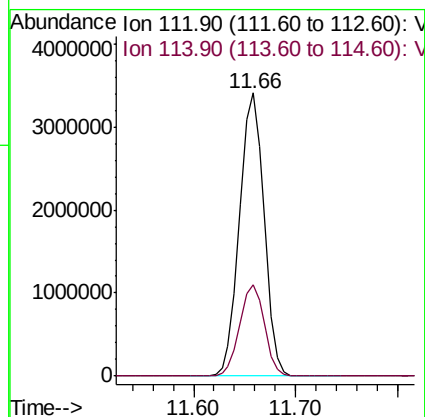
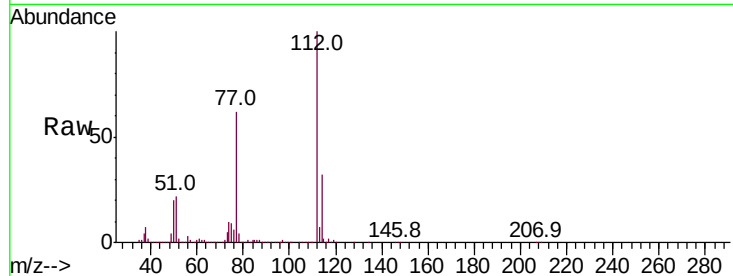
#65
Chlorobenzene
Concen: 151.085 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion:112 Resp: 5654183
Ion Ratio Lower Upper
112 100
114 32.3 26.5 39.7

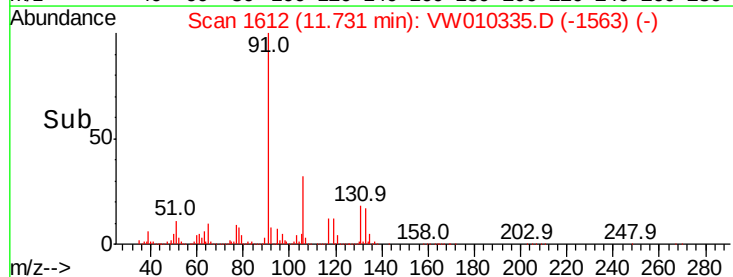
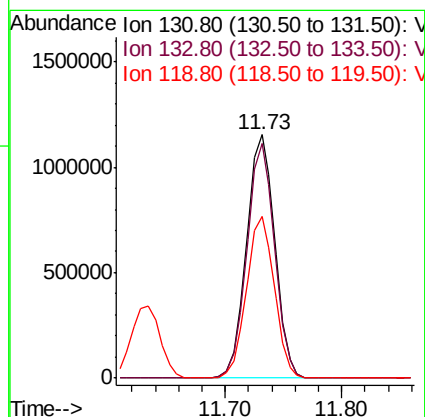
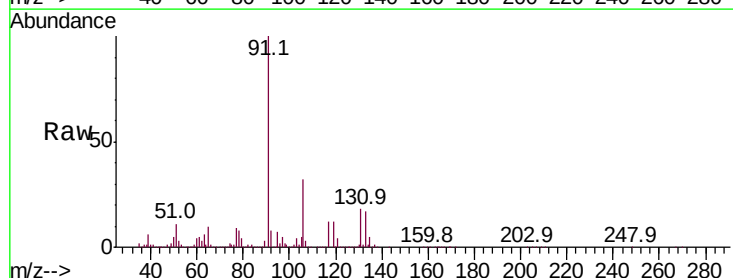
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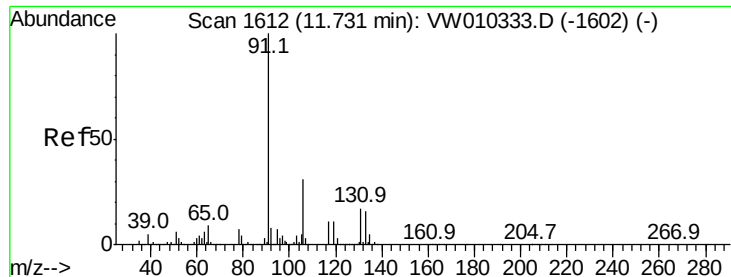
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#66
1,1,1,2-Tetrachloroethane
Concen: 146.057 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion:131 Resp: 1954686
Ion Ratio Lower Upper
131 100
133 94.6 46.5 139.5
119 65.7 31.9 95.5





#67

Ethyl Benzene

Concen: 158.700 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 10596403

Ion Ratio Lower Upper

91 100

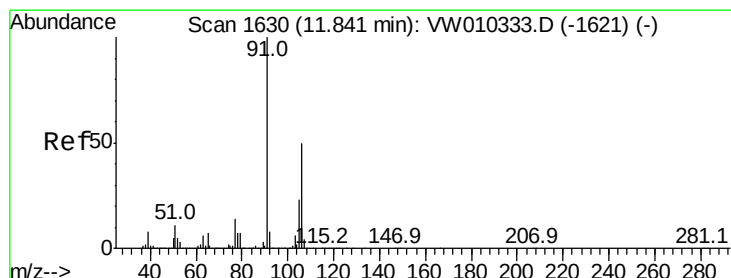
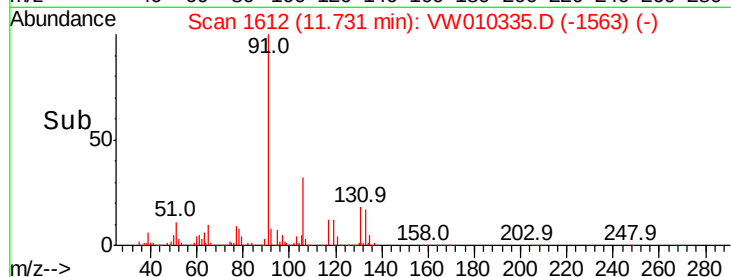
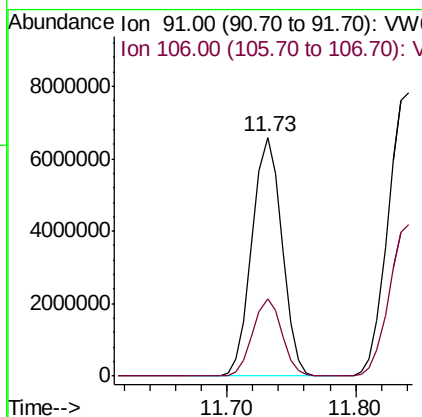
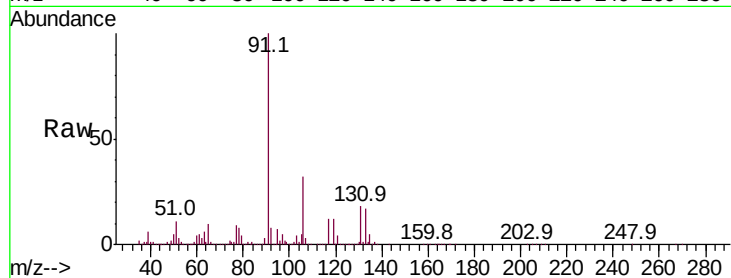
106 32.2 23.8 35.8

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#68

m/p-Xylenes

Concen: 318.071 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010335.D

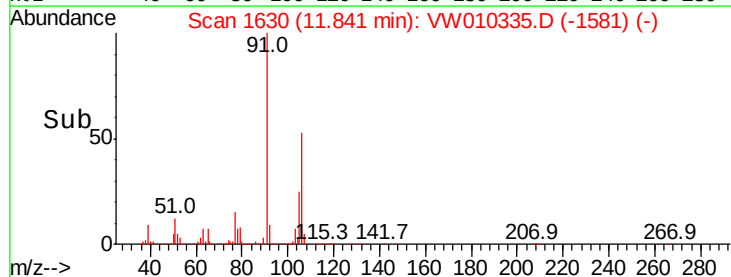
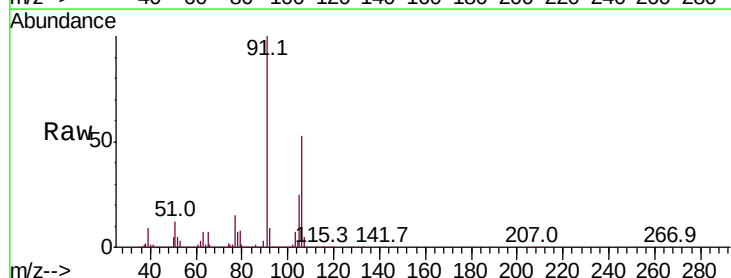
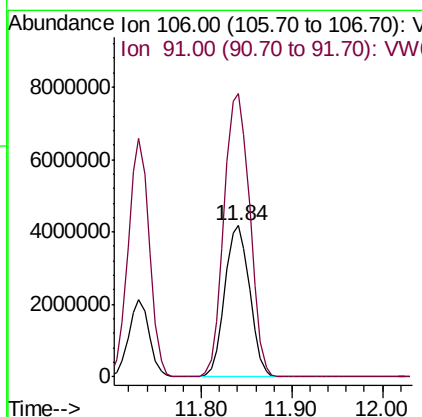
Acq: 09 May 2019 13:31

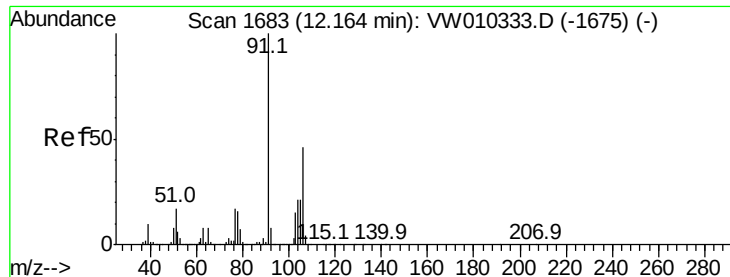
Tgt Ion: 106 Resp: 7938706

Ion Ratio Lower Upper

106 100

91 195.0 165.0 247.6





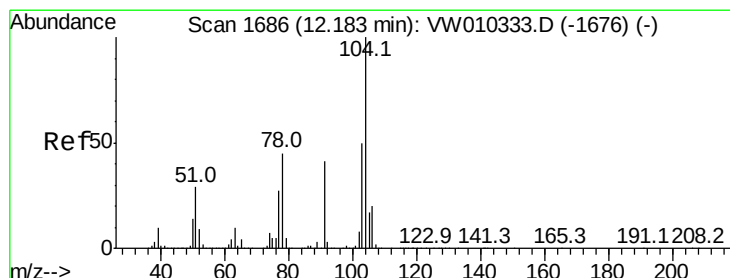
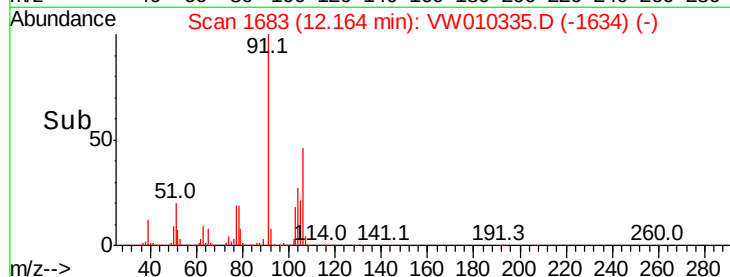
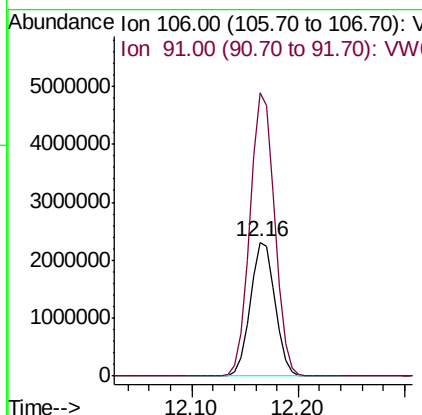
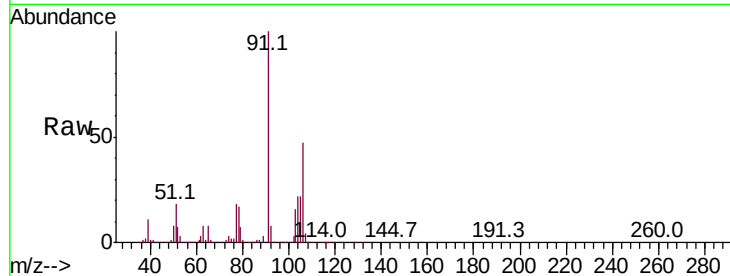
#69
o-Xylene
Concen: 164.892 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 3747337
Ion Ratio Lower Upper
106 100
91 212.9 110.5 331.4

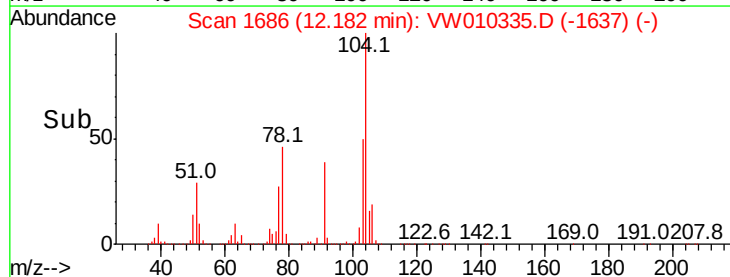
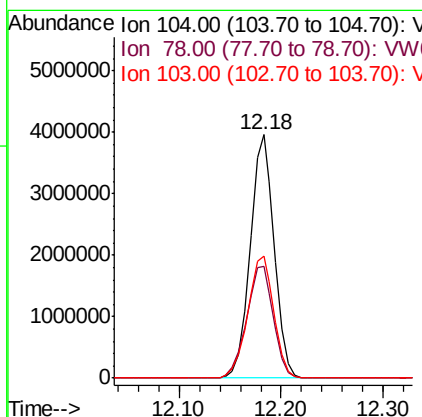
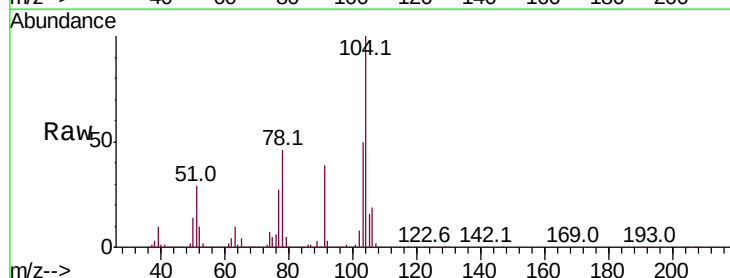
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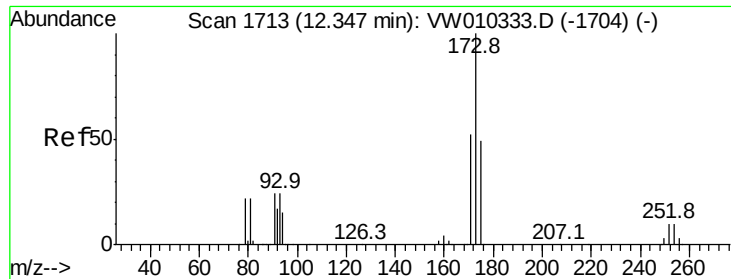
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#70
Styrene
Concen: 164.975 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion:104 Resp: 6464378
Ion Ratio Lower Upper
104 100
78 51.2 42.5 63.7
103 54.7 43.6 65.4





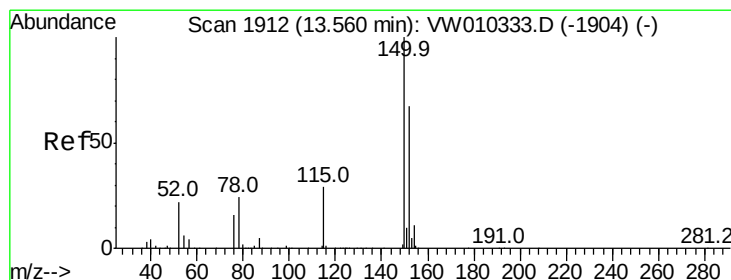
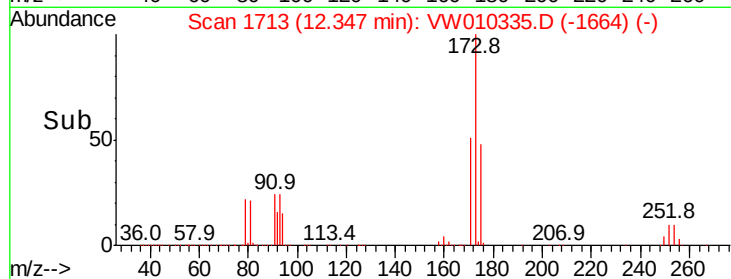
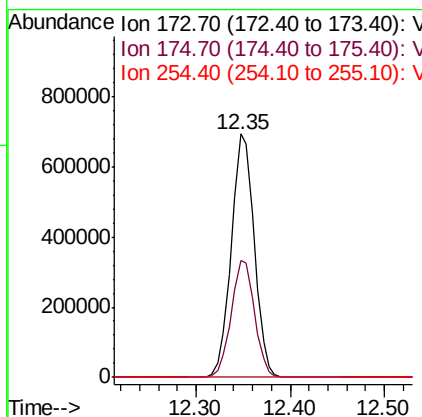
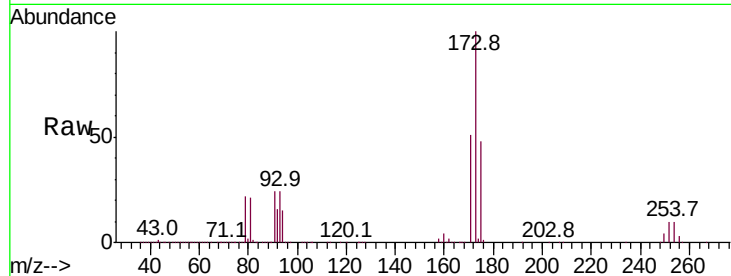
#71
Bromoform
Concen: 165.226 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:173 Resp: 1169261
Ion Ratio Lower Upper
173 100
175 48.7 23.8 71.4
254 0.0 0.1 0.1#

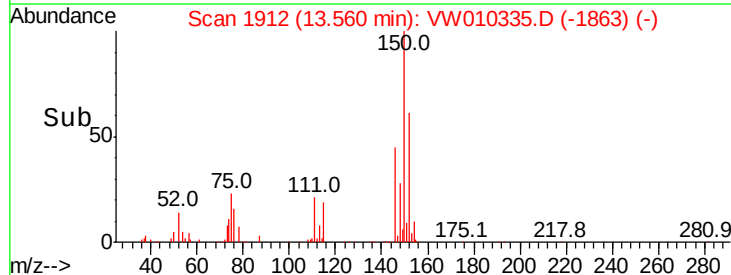
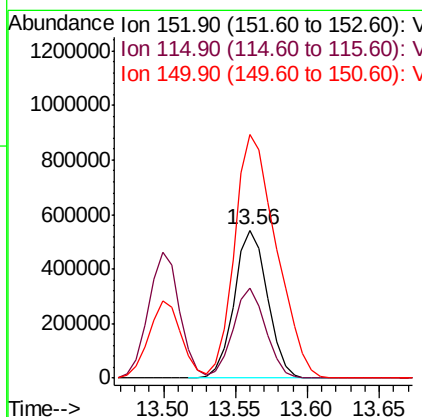
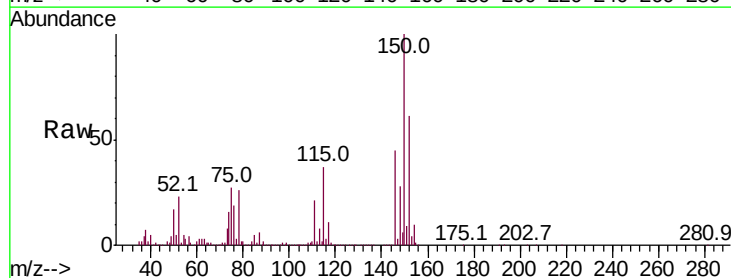
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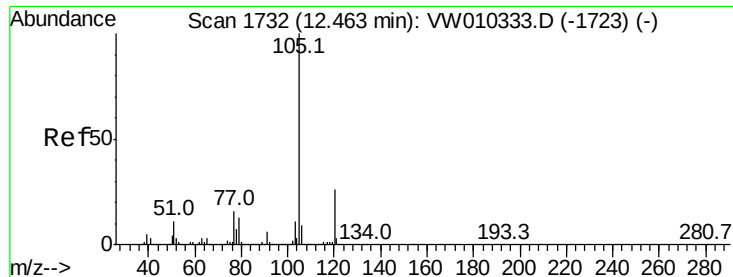
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion:152 Resp: 869966
Ion Ratio Lower Upper
152 100
115 60.0 30.4 91.2
150 207.1 0.0 347.0





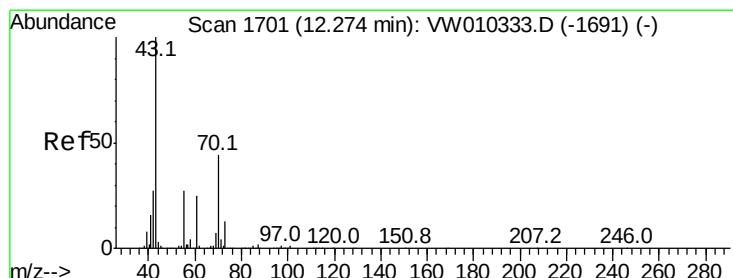
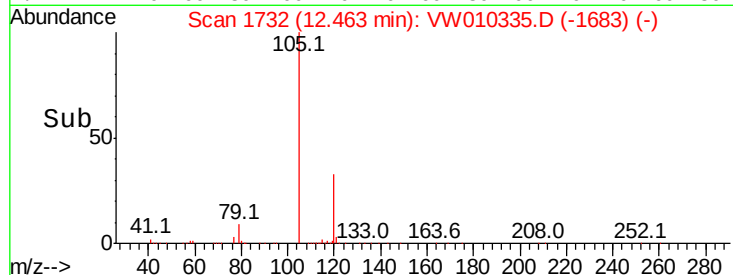
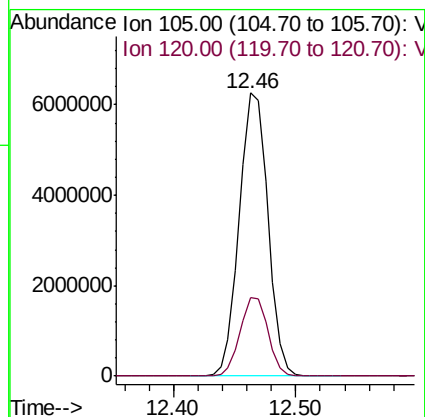
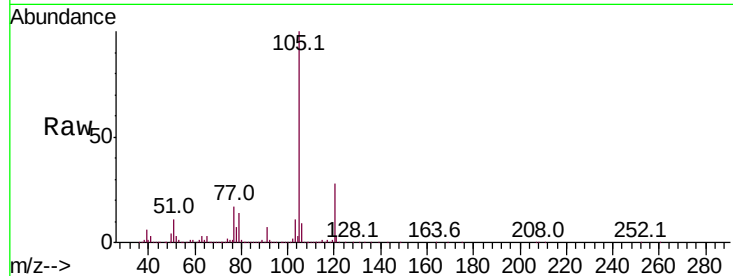
#73
Isopropylbenzene
Concen: 167.482 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp:10140696
Ion Ratio Lower Upper
105 100
120 27.0 13.1 39.1

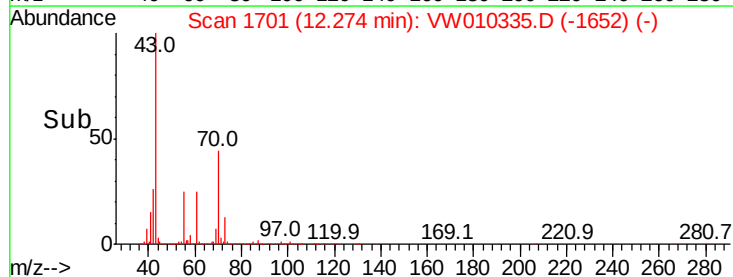
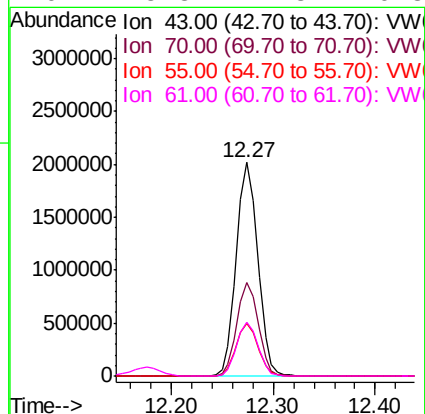
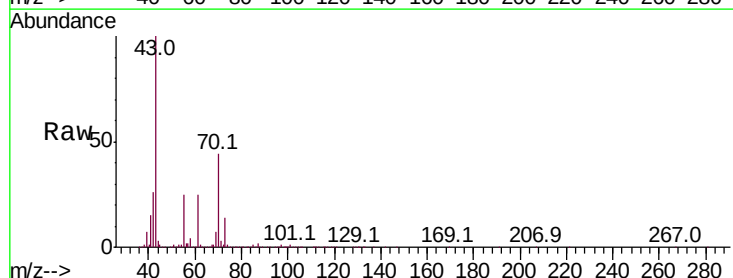
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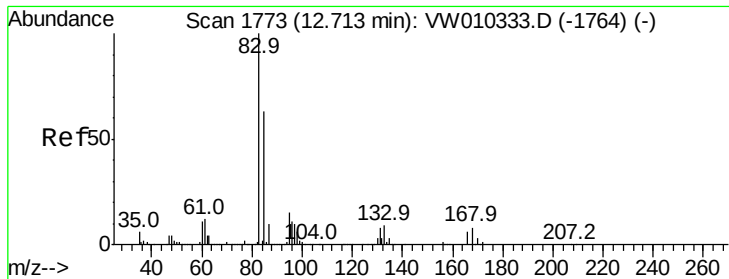
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#74
N-ethyl acetate
Concen: 175.221 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion: 43 Resp: 2938017
Ion Ratio Lower Upper
43 100
70 43.9 31.3 46.9
55 25.1 20.0 30.0
61 25.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 181.392 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 2169869

Ion Ratio Lower Upper

83 100

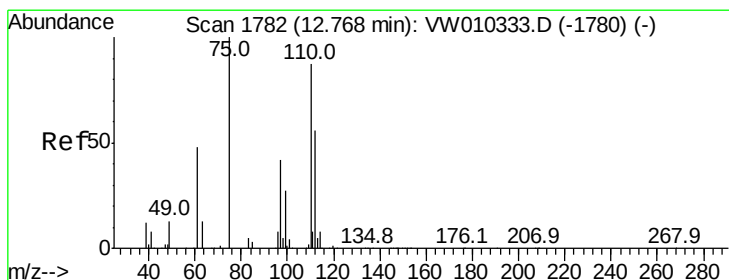
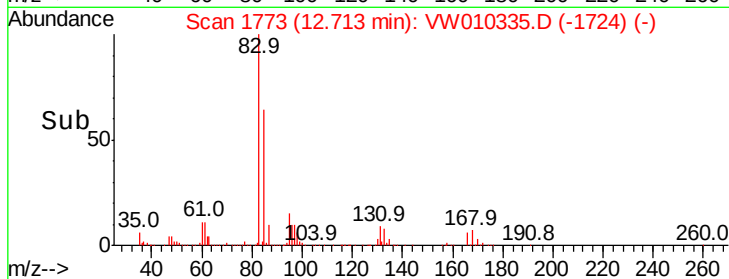
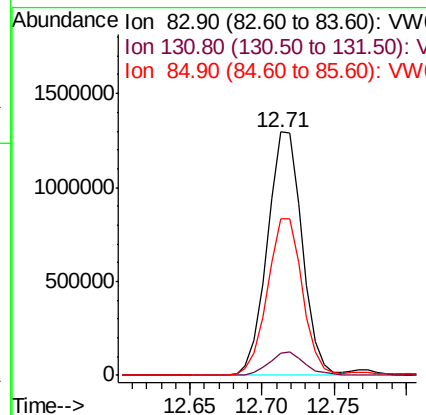
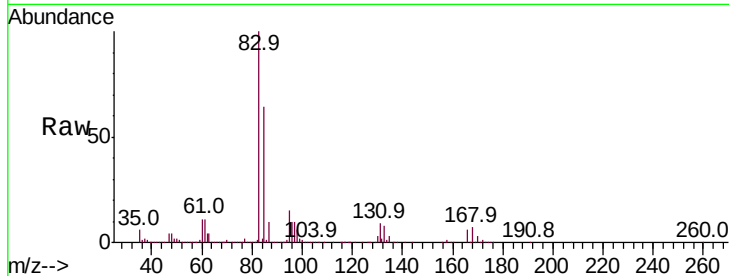
131 9.9 5.3 15.8

85 64.5 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 180.809 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010335.D

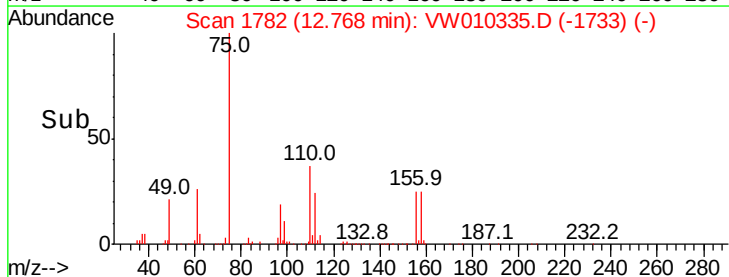
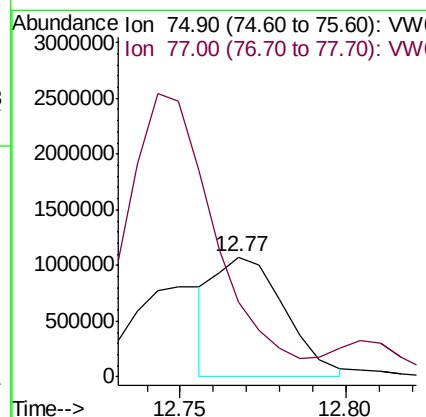
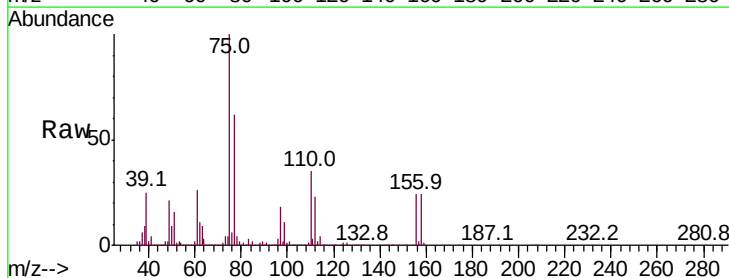
Acq: 09 May 2019 13:31

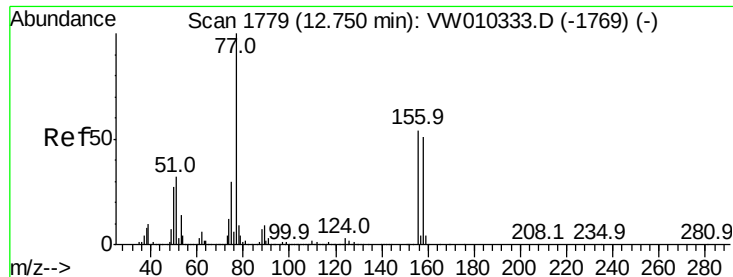
Tgt Ion: 75 Resp: 1574312

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 162.496 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 2262782

Ion Ratio Lower Upper

156 100

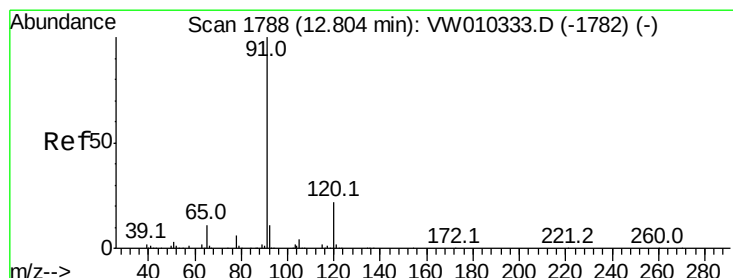
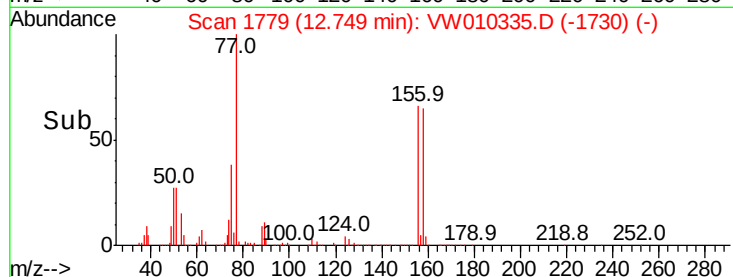
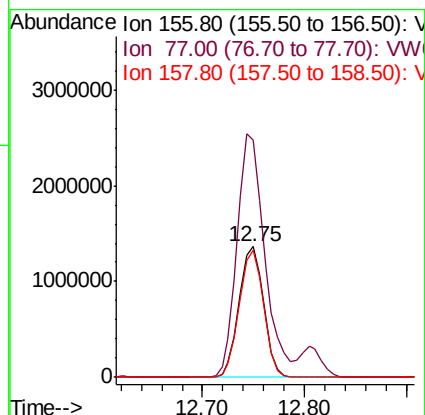
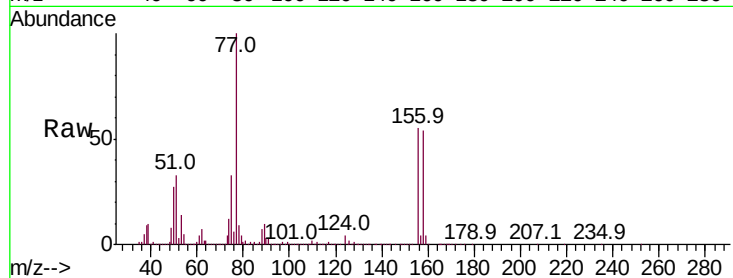
77 209.3 102.5 307.4

158 96.4 48.8 146.4

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#78

n-propylbenzene

Concen: 160.065 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010335.D

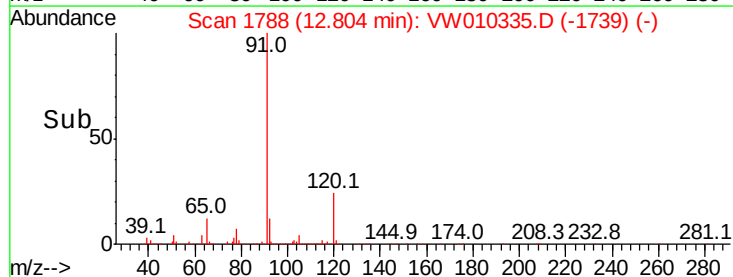
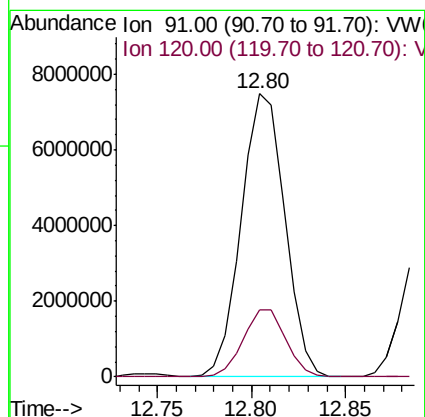
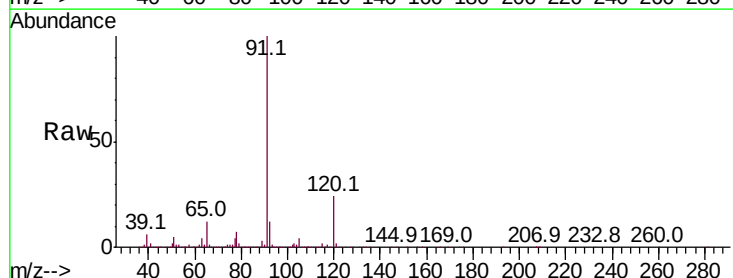
Acq: 09 May 2019 13:31

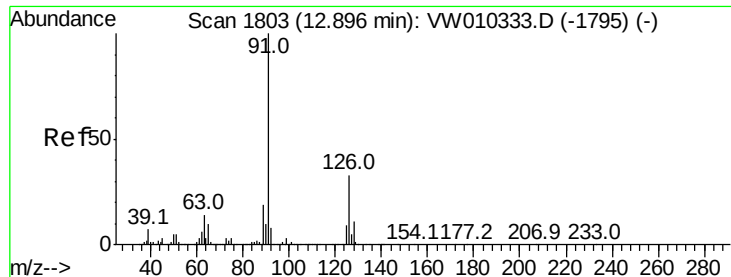
Tgt Ion: 91 Resp:12011558

Ion Ratio Lower Upper

91 100

120 23.2 11.1 33.1





#79

2-Chlorotoluene

Concen: 161.691 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 6978317

Ion Ratio Lower Upper

91 100

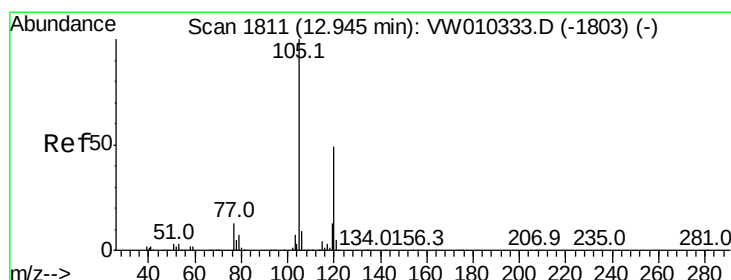
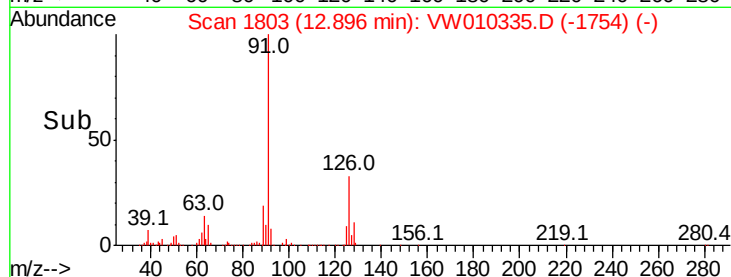
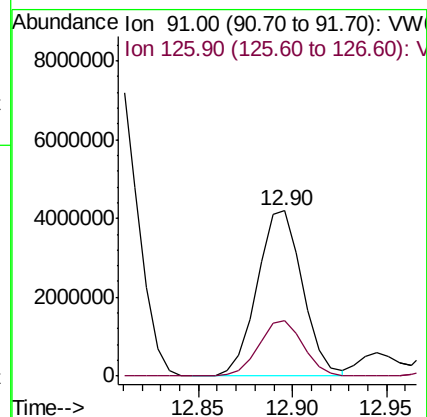
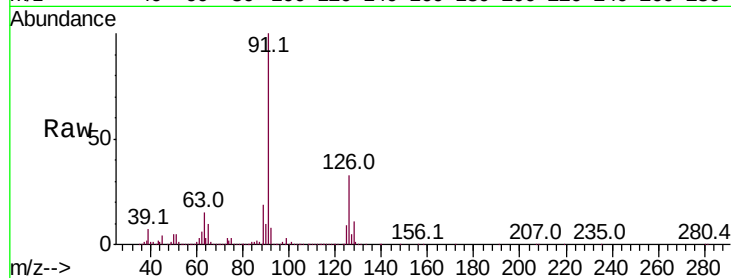
126 32.8 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 163.291 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010335.D

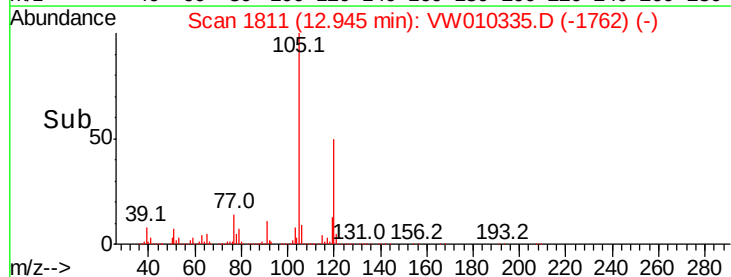
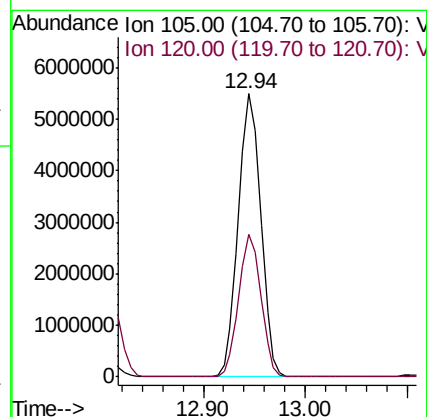
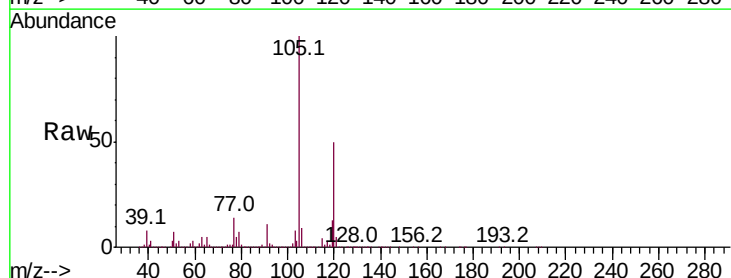
Acq: 09 May 2019 13:31

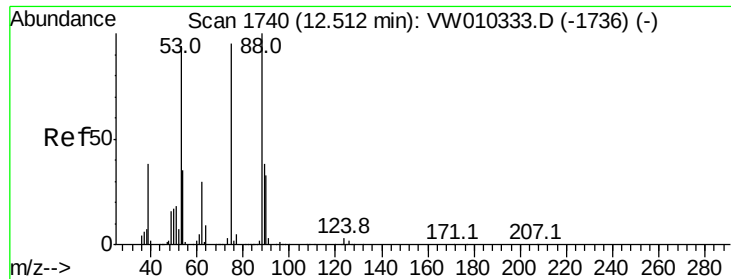
Tgt Ion:105 Resp: 8382881

Ion Ratio Lower Upper

105 100

120 49.7 24.3 72.8





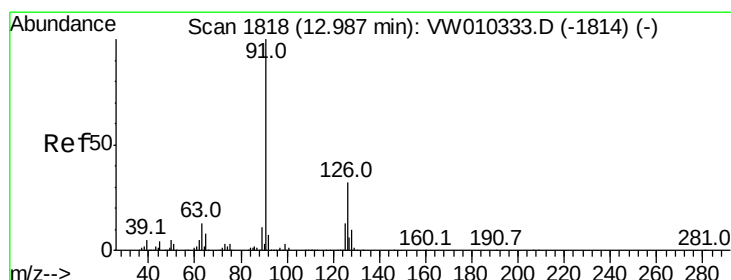
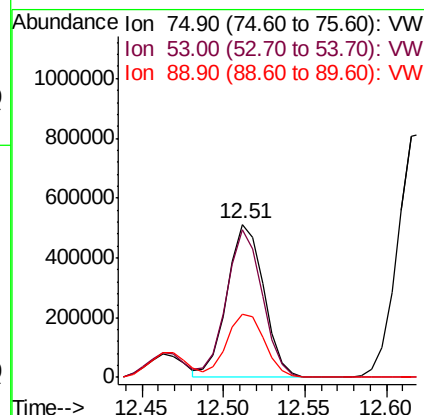
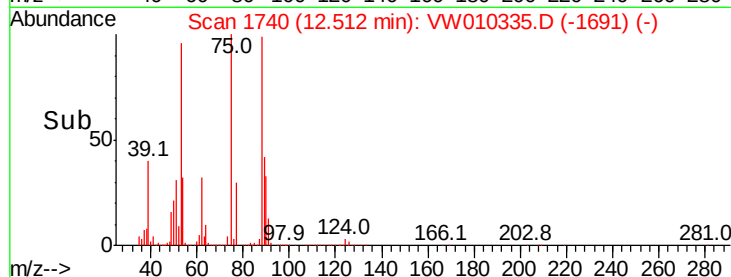
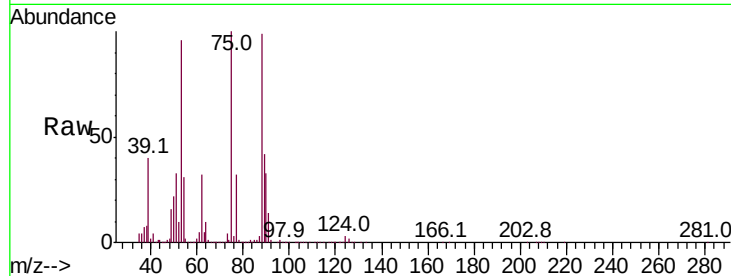
#81
trans-1,4-Dichloro-2-butene
Concen: 217.053 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	89.8	134.8
89	42.7	36.6	54.8

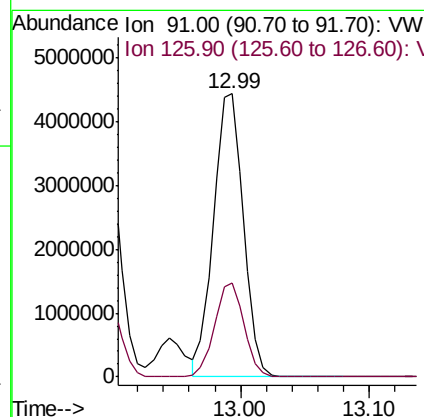
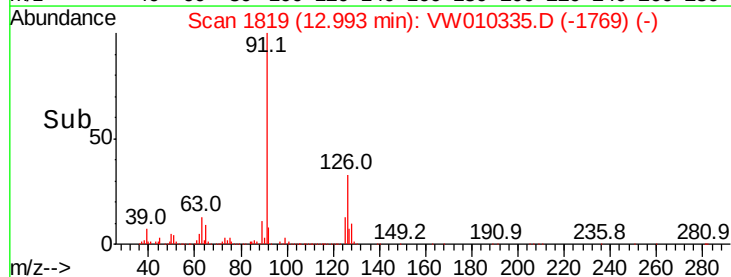
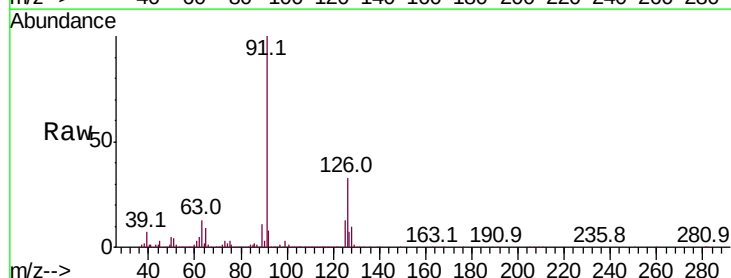
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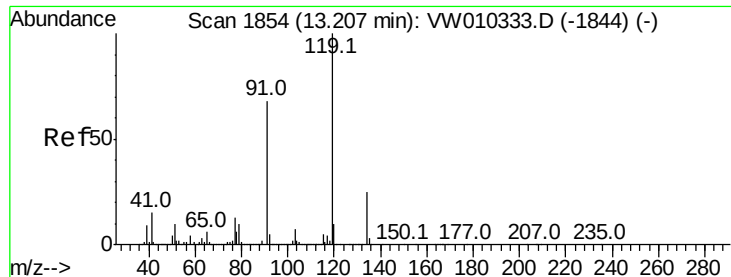
MMDadoda
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#82
4-Chlorotoluene
Concen: 158.547 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.1





#83

tert-Butylbenzene

Concen: 168.473 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

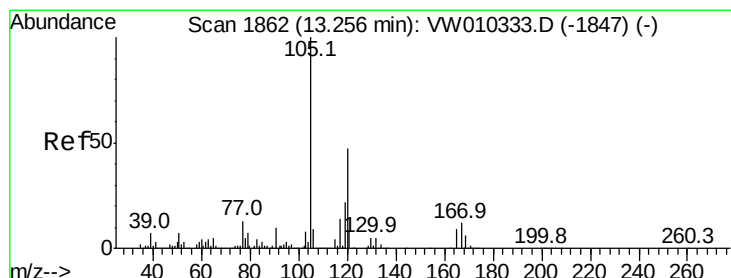
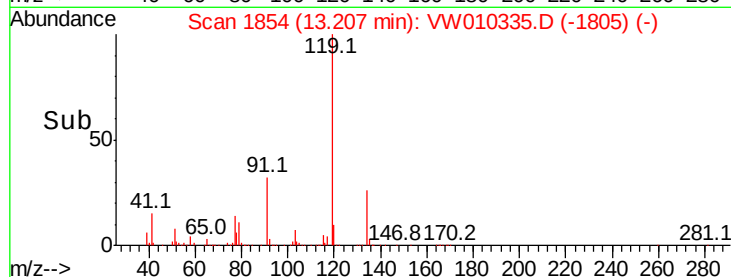
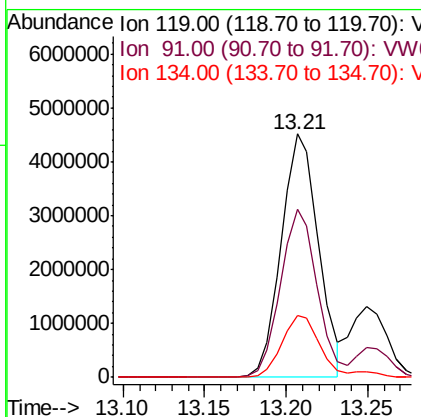
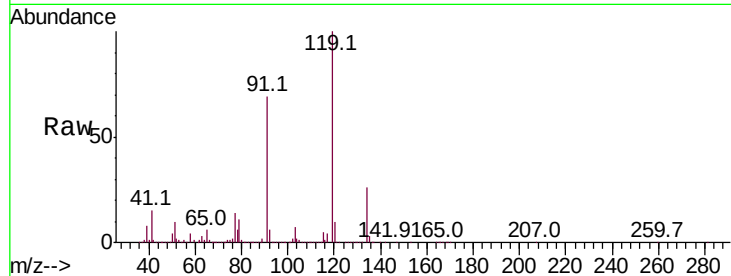
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.8	104.4
134	27.4	13.7	41.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 160.045 ug/l

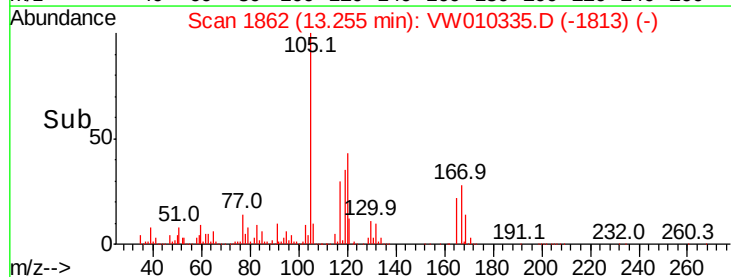
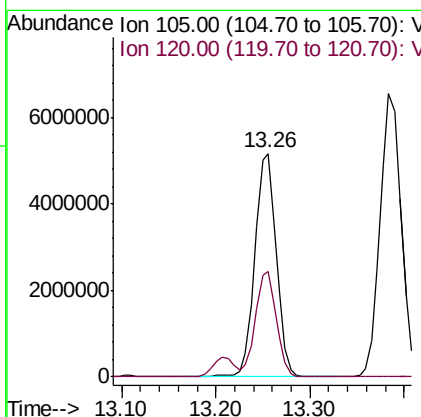
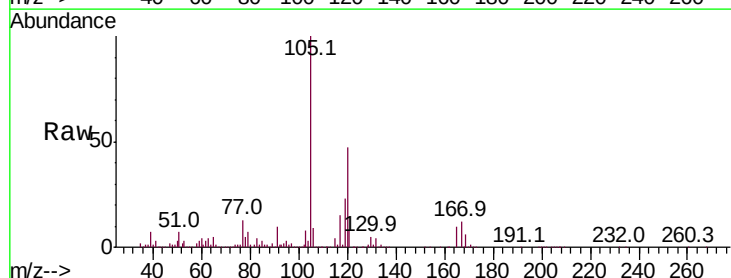
RT: 13.26 min Scan# 1862

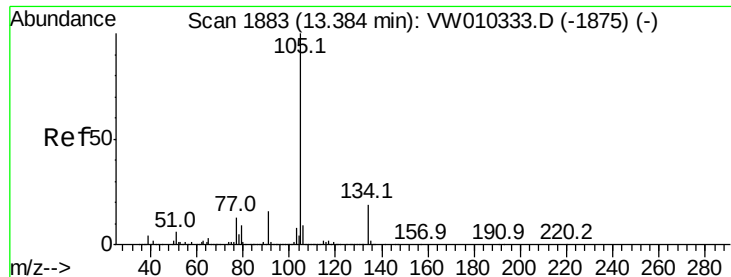
Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 160.477 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp:10195357

Ion Ratio Lower Upper

105 100

134 20.5

9.8

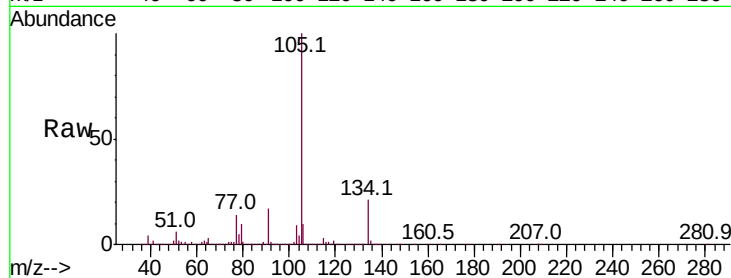
29.5

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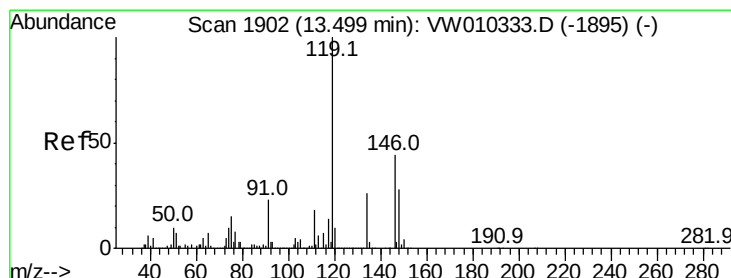
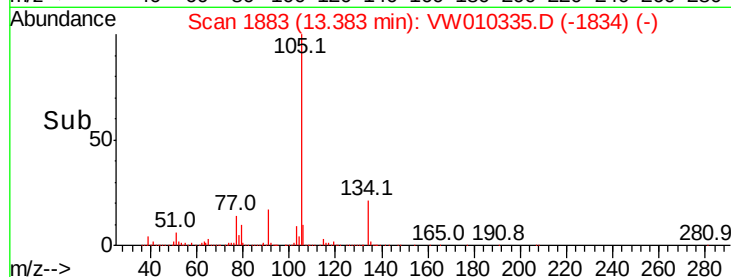
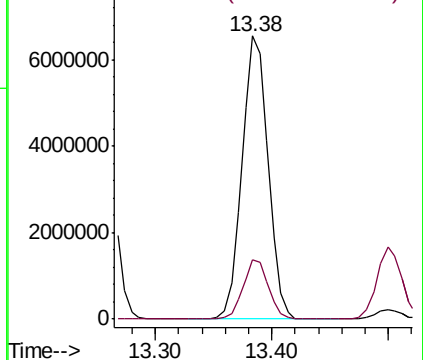
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 164.219 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Tgt Ion:119 Resp: 9195758

Ion Ratio Lower Upper

119 100

134 26.9

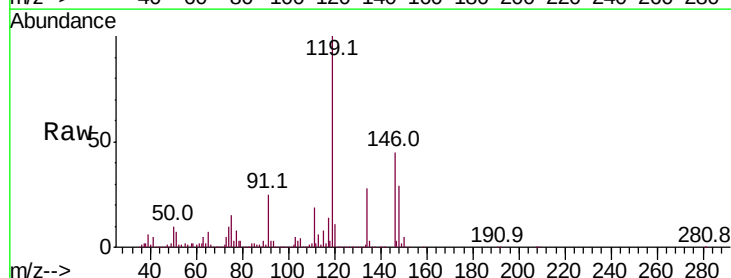
13.0

38.9

91 24.1

12.3

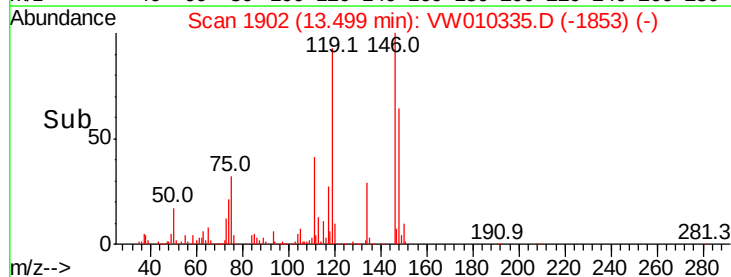
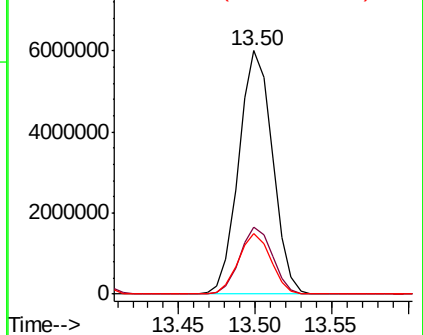
36.9

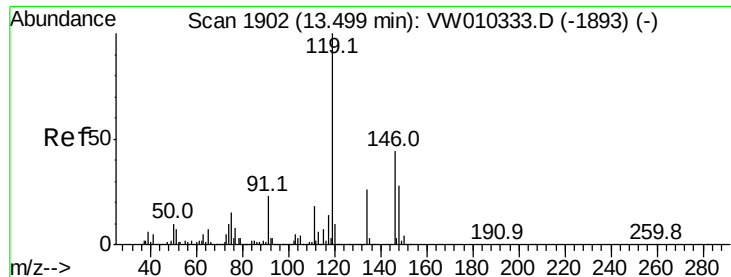


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 153.885 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 4331728

Ion Ratio Lower Upper

146 100

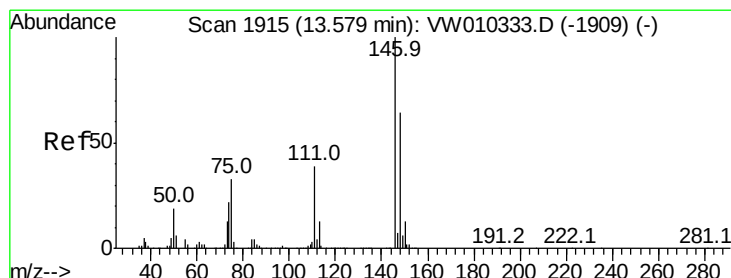
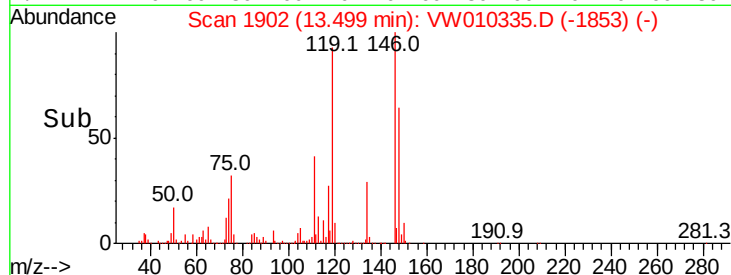
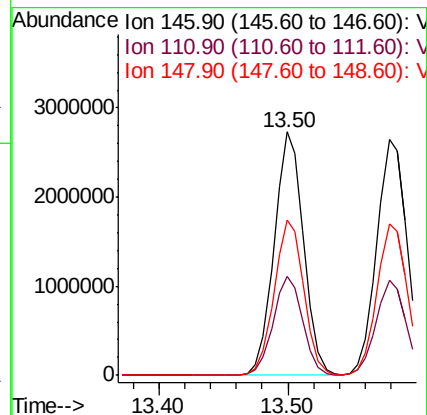
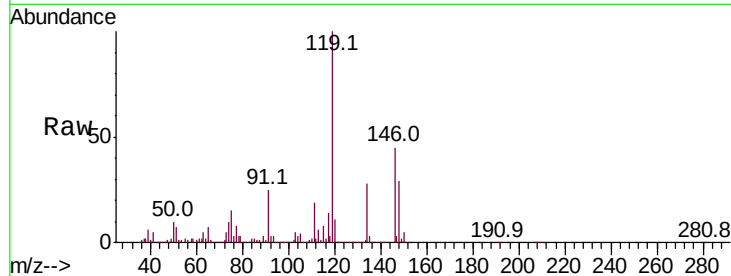
111 41.0 20.3 61.0

148 64.3 32.0 96.2

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#88

1,4-Dichlorobenzene

Concen: 151.504 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

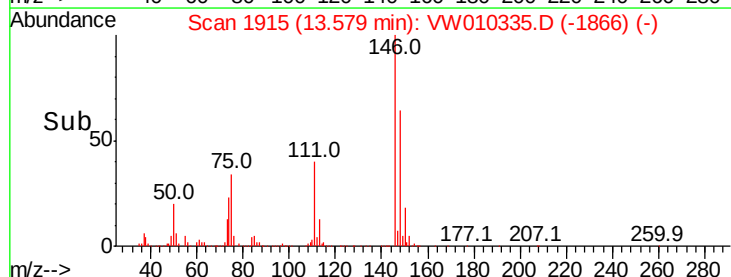
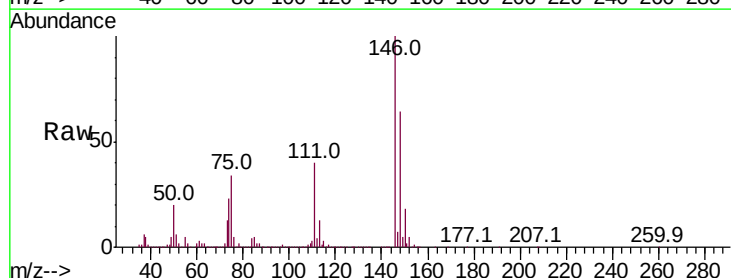
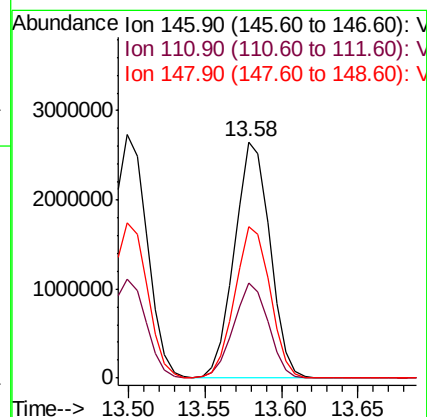
Tgt Ion:146 Resp: 4256833

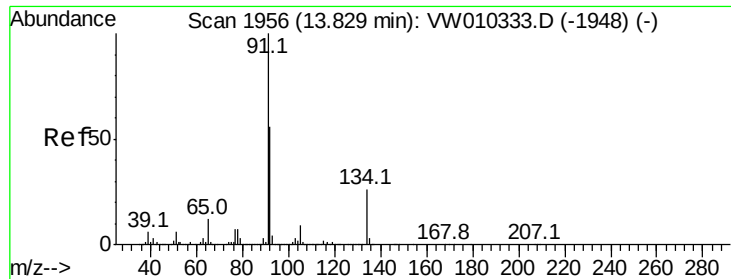
Ion Ratio Lower Upper

146 100

111 39.5 20.1 60.3

148 64.1 31.8 95.3





#89

n-Butylbenzene

Concen: 165.685 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 9191820

Ion Ratio Lower Upper

91 100

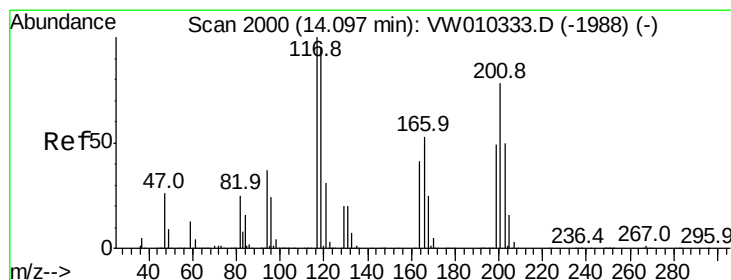
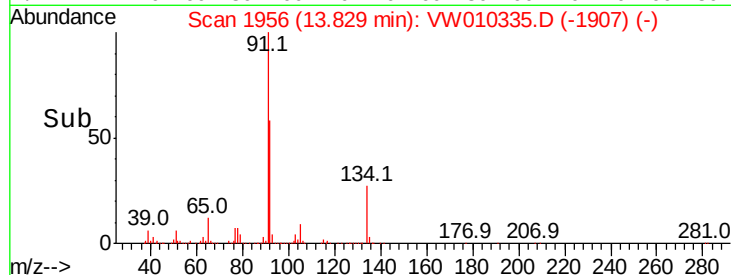
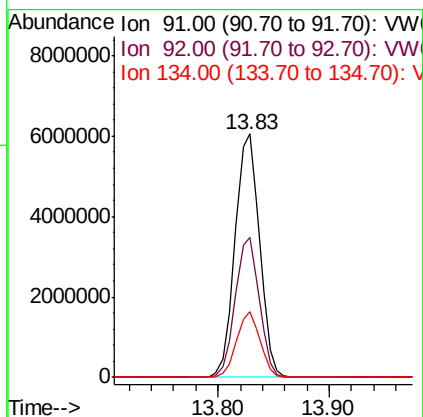
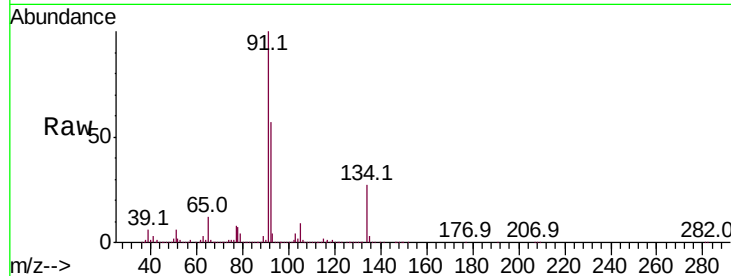
92 56.3 26.5 79.4

134 25.9 12.4 37.0

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#90

Hexachloroethane

Concen: 160.522 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010335.D

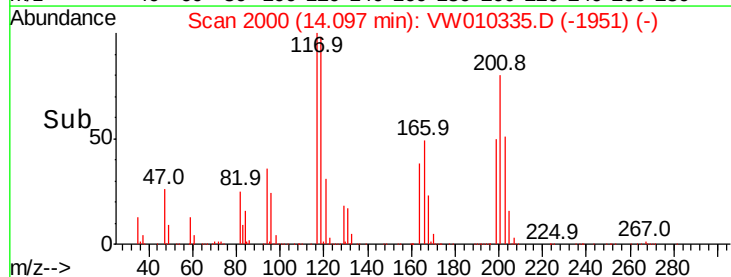
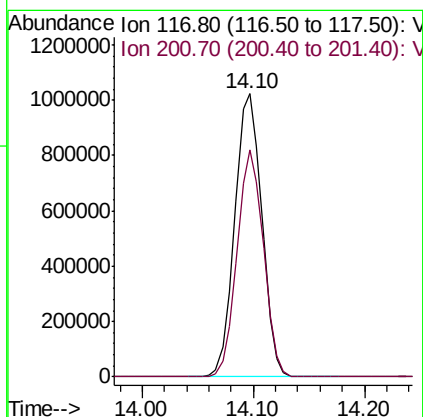
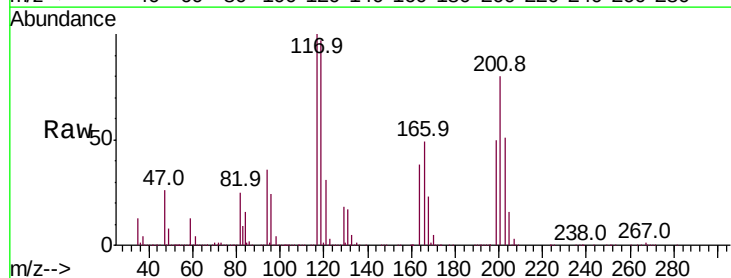
Acq: 09 May 2019 13:31

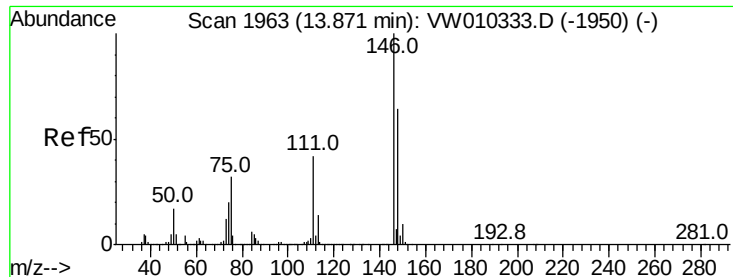
Tgt Ion: 117 Resp: 1721629

Ion Ratio Lower Upper

117 100

201 78.1 36.1 108.3





#91

1,2-Dichlorobenzene

Concen: 151.615 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

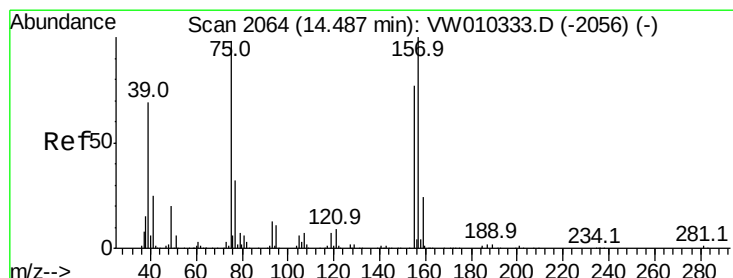
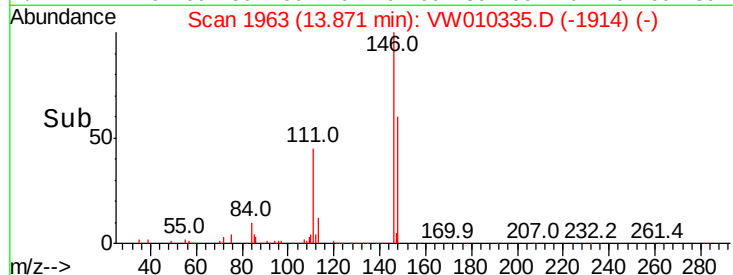
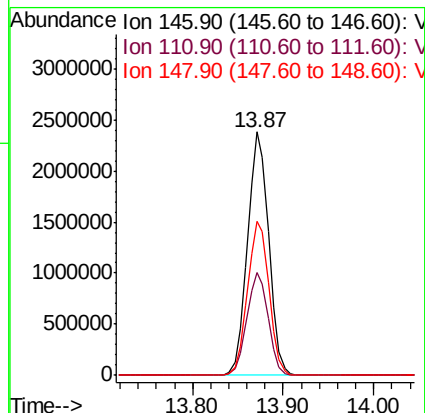
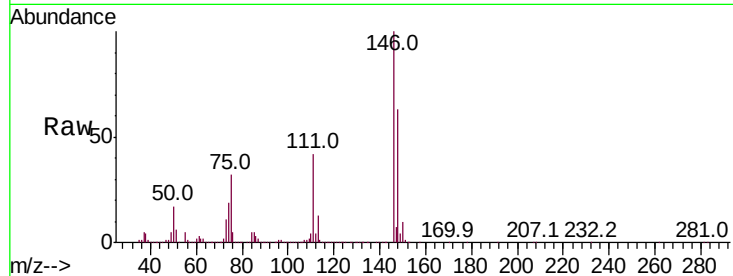
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	3826676
Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.9	62.8
148	64.1	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 193.763 ug/l

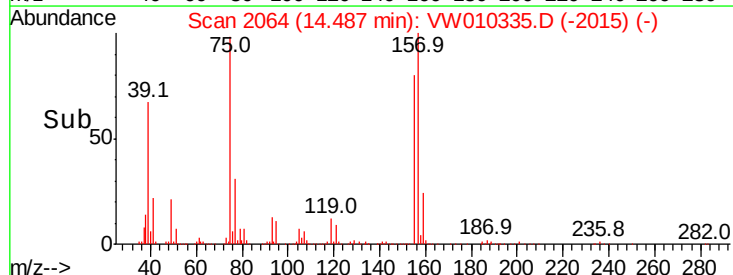
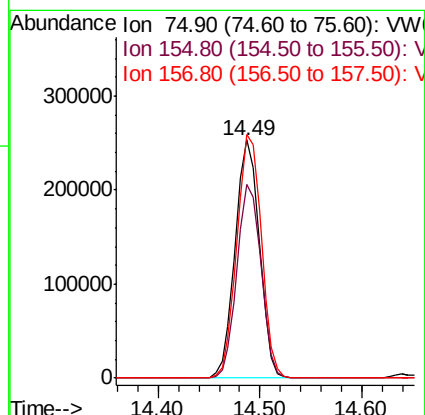
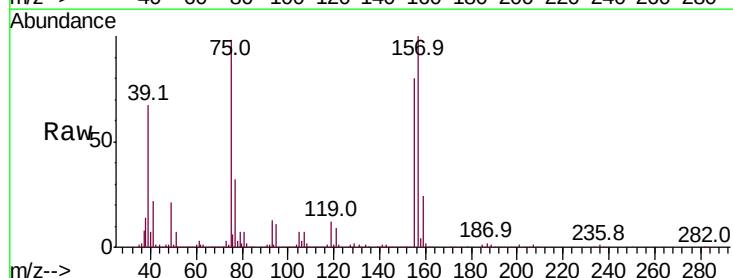
RT: 14.49 min Scan# 2064

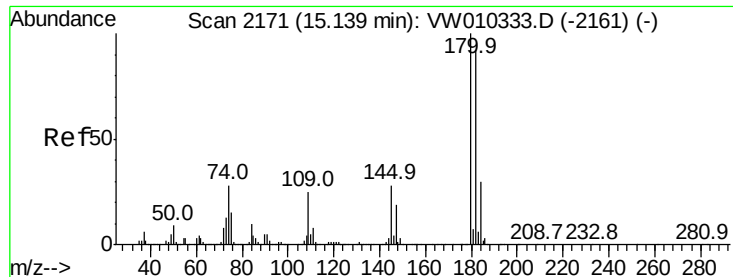
Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Tgt Ion:	75	Resp:	414797
Ion	Ratio	Lower	Upper
75	100		
155	81.2	37.1	111.5
157	103.2	47.3	141.9





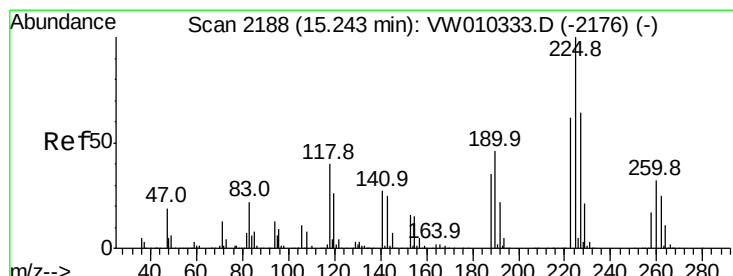
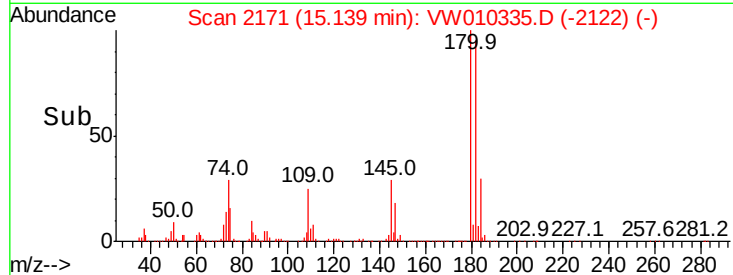
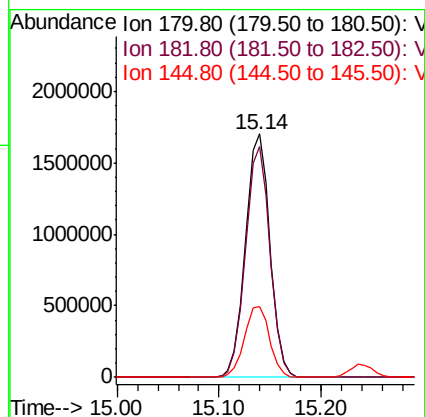
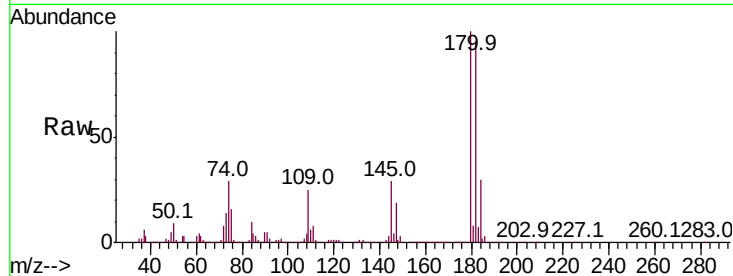
#93
 1,2,4-Trichlorobenzene
 Concen: 170.168 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.4
145	30.0	15.2	45.6

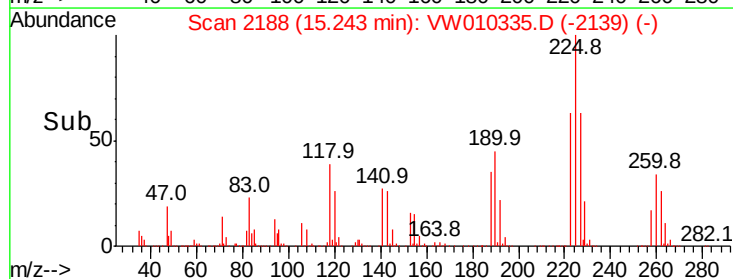
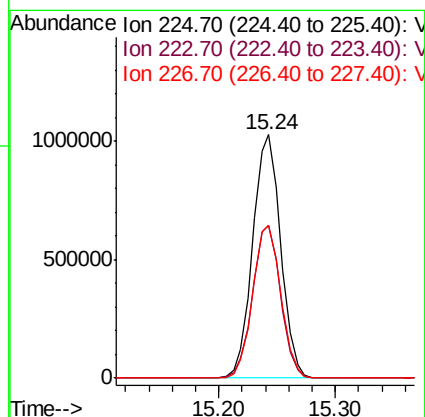
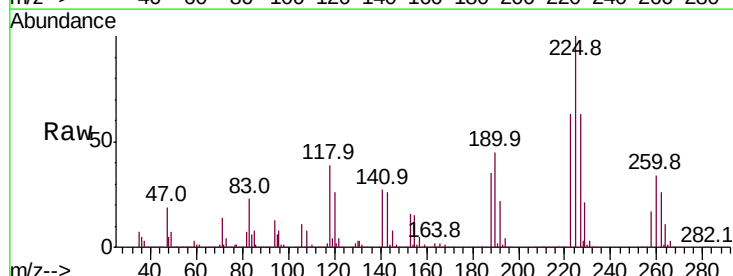
Manual Integrations
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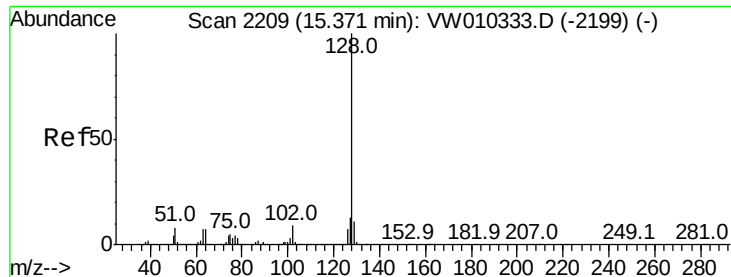
MMDadoda
 5/10/2019 10:07:31 AM



#94
 Hexachlorobutadiene
 Concen: 170.035 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	62.8	31.8	95.3





#95

Naphthalene

Concen: 212.381 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 6348976

Ion Ratio Lower Upper

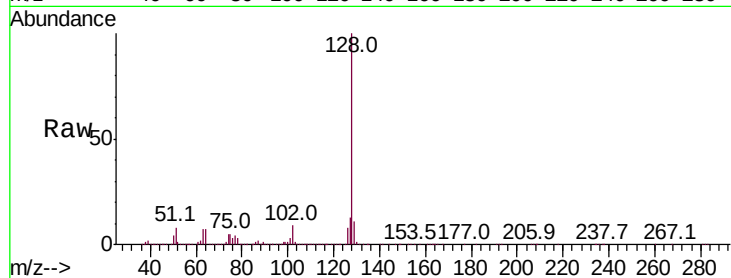
128 100

127 13.2 10.6 15.8

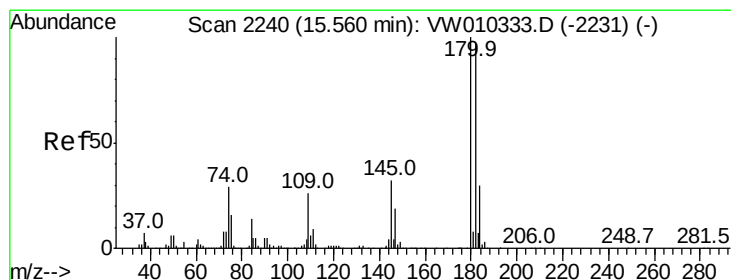
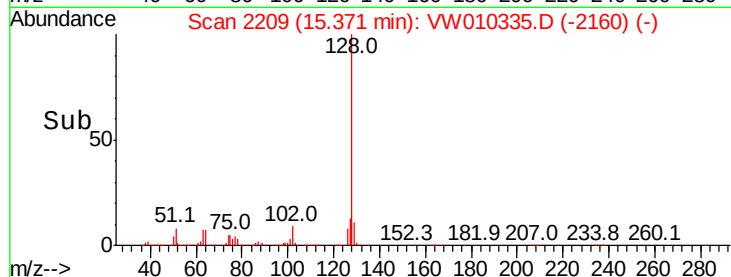
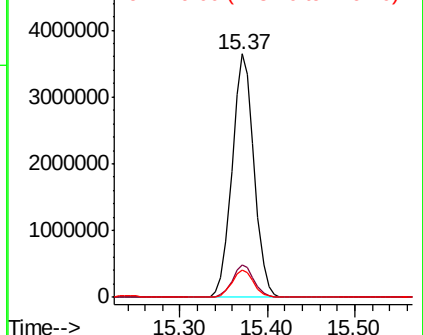
129 11.1 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
5/10/2019 10:07:31 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 175.667 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

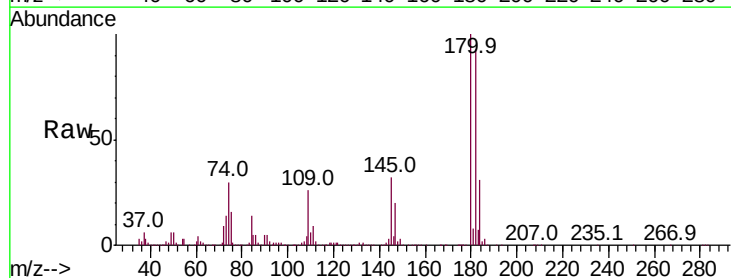
Tgt Ion:180 Resp: 2537738

Ion Ratio Lower Upper

180 100

182 94.9 47.8 143.3

145 31.9 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

