

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010562.D
 Acq On : 28 May 2019 12:56
 Operator : SY/VA
 Sample : VW0528SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:05:31 AM

Quant Time: May 29 07:22:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	151573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	245856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72660	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	7.88	113	78916	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	10.32	98	305948	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.62	95	115840	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	21113	15.442	ug/l 97
3) Chloromethane	2.21	50	25040	15.723	ug/l 100
4) Vinyl Chloride	2.35	62	28622	15.516	ug/l 100
5) Bromomethane	2.75	94	20865	16.442	ug/l 97
6) Chloroethane	2.90	64	21401	18.073	ug/l 95
7) Trichlorofluoromethane	3.25	101	52537	19.291	ug/l 98
8) Diethyl Ether	3.68	74	15365	17.798	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	33144	19.762	ug/l 96
10) Methyl Iodide	4.27	142	31116	16.232	ug/l 97
11) Tert butyl alcohol	5.15	59	18182	129.203	ug/l # 91
12) 1,1-Dichloroethene	4.03	96	31087	19.417	ug/l 97
13) Acrolein	3.89	56	7273	72.890	ug/l 98
14) Allyl chloride	4.67	41	43629	18.826	ug/l 100
15) Acrylonitrile	5.37	53	29620	81.925	ug/l 98
16) Acetone	4.12	43	27103	84.870	ug/l 98
17) Carbon Disulfide	4.37	76	83662	17.519	ug/l 100
18) Methyl Acetate	4.67	43	14138	18.102	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	72838	17.846	ug/l 93
20) Methylene Chloride	4.92	84	34277	14.714	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	34981	19.049	ug/l 98
22) Diisopropyl ether	6.31	45	86992	18.307	ug/l 99
23) Vinyl Acetate	6.25	43	240728	84.808	ug/l 100
24) 1,1-Dichloroethane	6.21	63	55437	19.550	ug/l 99
25) 2-Butanone	7.16	43	40176	87.909	ug/l 98
26) 2,2-Dichloropropane	7.16	77	58004	21.474	ug/l 98
27) cis-1,2-Dichloroethene	7.16	96	39145	19.607	ug/l 98
28) Bromochloromethane	7.51	49	20383	20.076	ug/l 92
29) Tetrahydrofuran	7.53	42	24460	79.094	ug/l 99
30) Chloroform	7.68	83	59744	19.533	ug/l 99
31) Cyclohexane	7.95	56	54089	18.209	ug/l 97
32) 1,1,1-Trichloroethane	7.87	97	57463	19.656	ug/l 98
36) 1,1-Dichloropropene	8.08	75	47190	20.605	ug/l 99
37) Ethyl Acetate	7.26	43	17195	17.655	ug/l 98
38) Carbon Tetrachloride	8.07	117	53465	21.640	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	63484	20.689	ug/l	99
40) Benzene	8.32	78	132827	20.866	ug/l	100
41) Methacrylonitrile	7.48	41	10970	18.957	ug/l	90
42) 1,2-Dichloroethane	8.40	62	36015	19.795	ug/l	100
43) Isopropyl Acetate	8.42	43	34397	17.678	ug/l	98
44) Trichloroethene	9.09	130	40503	21.432	ug/l	98
45) 1,2-Dichloropropane	9.37	63	30799	20.372	ug/l	98
46) Dibromomethane	9.46	93	17563	19.864	ug/l	95
47) Bromodichloromethane	9.65	83	44351	19.961	ug/l	100
48) Methyl methacrylate	9.44	41	15440	17.346	ug/l	97
49) 1,4-Dioxane	9.45	88	5065	350.684	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	83716	84.910	ug/l	99
52) Toluene	10.39	92	89723	20.988	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	43562	19.359	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	51386	19.995	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	25024	19.682	ug/l	98
56) Ethyl methacrylate	10.65	69	31117	17.746	ug/l	98
57) 1,3-Dichloropropane	10.93	76	42131	19.782	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	67075	86.361	ug/l	98
59) 2-Hexanone	10.97	43	58769	83.560	ug/l	98
60) Dibromochloromethane	11.13	129	31750	19.731	ug/l	99
61) 1,2-Dibromoethane	11.24	107	24842	19.288	ug/l	97
64) Tetrachloroethene	10.86	164	34364	22.468	ug/l	96
65) Chlorobenzene	11.66	112	100315	21.453	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	37063	22.126	ug/l	99
67) Ethyl Benzene	11.73	91	173731	21.044	ug/l	99
68) m/p-Xylenes	11.84	106	139285	43.013	ug/l	98
69) o-Xylene	12.17	106	65015	21.191	ug/l	98
70) Styrene	12.18	104	109610	21.056	ug/l	99
71) Bromoform	12.35	173	17710	19.199	ug/l #	98
73) Isopropylbenzene	12.46	105	179490	20.733	ug/l	100
74) N-amyl acetate	12.27	43	32193	16.228	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	26763	16.996	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	18711m	16.896	ug/l	
77) Bromobenzene	12.75	156	41044	21.186	ug/l	95
78) n-propylbenzene	12.80	91	204461	20.266	ug/l	99
79) 2-Chlorotoluene	12.90	91	118470	20.249	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	150892	20.580	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8828	16.638	ug/l	99
82) 4-Chlorotoluene	12.99	91	123258	20.297	ug/l	99
83) tert-Butylbenzene	13.21	119	132985	20.764	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	150040	20.546	ug/l	99
85) sec-Butylbenzene	13.38	105	184091	20.539	ug/l	99
86) p-Isopropyltoluene	13.50	119	169329	20.872	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	81380	21.411	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	81795	21.449	ug/l	99
89) n-Butylbenzene	13.83	91	154729	20.052	ug/l	99
90) Hexachloroethane	14.10	117	31669	20.168	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	72420	20.911	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4530	15.472	ug/l	93

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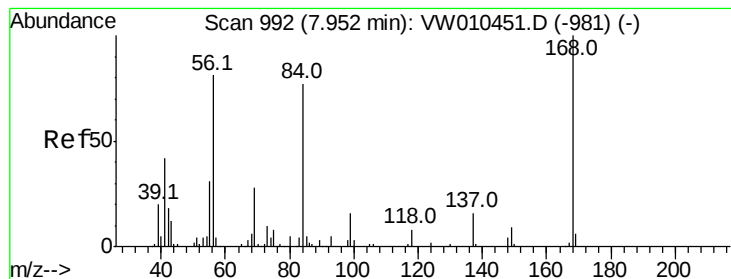
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	49872	21.165	ug/l	99
94) Hexachlorobutadiene	15.24	225	28847	22.916	ug/l	99
95) Naphthalene	15.37	128	86848	17.558	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	41698	20.566	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. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion:168 Resp: 151573

Ion Ratio Lower Upper

168 100

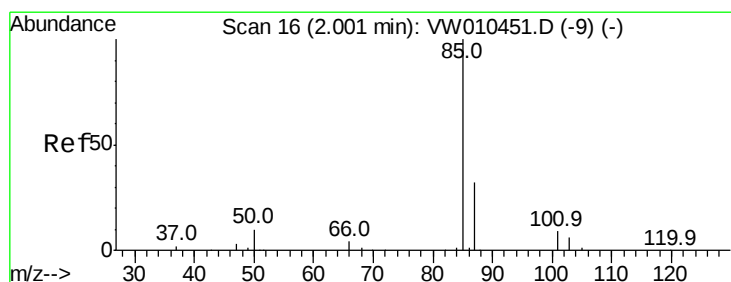
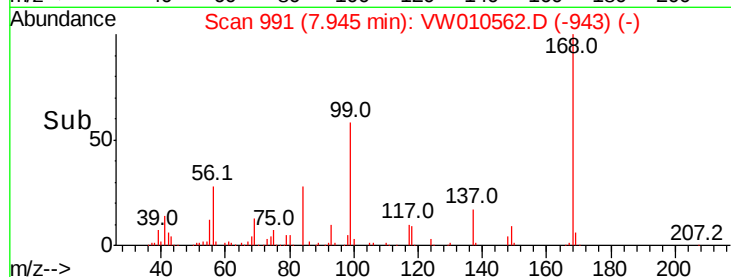
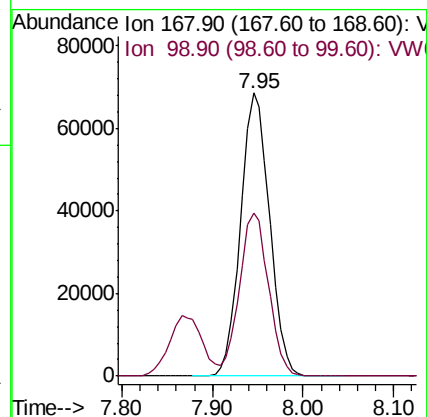
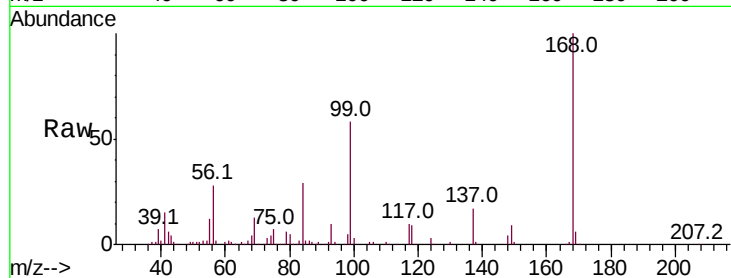
99 57.7 46.1 69.1

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#2

Dichlorodifluoromethane

Concen: 15.442 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010562.D

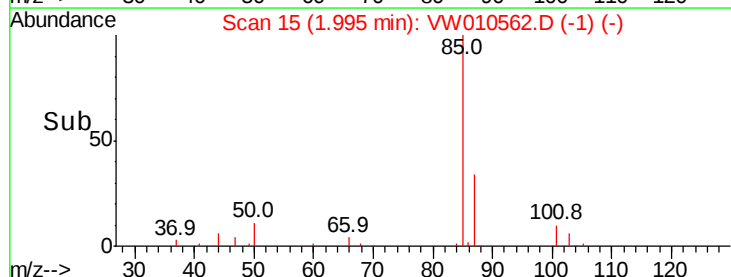
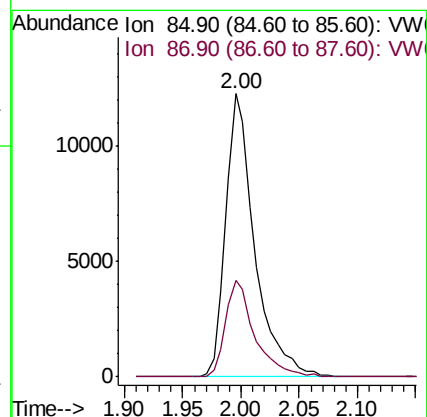
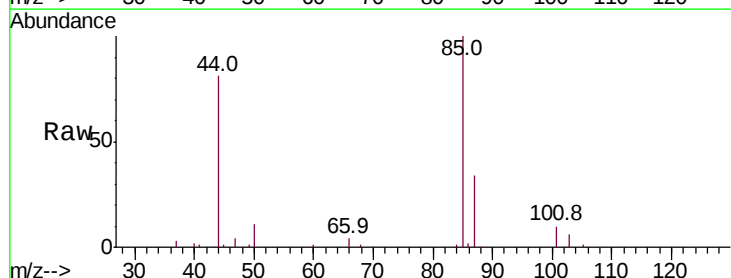
Acq: 28 May 2019 12:56

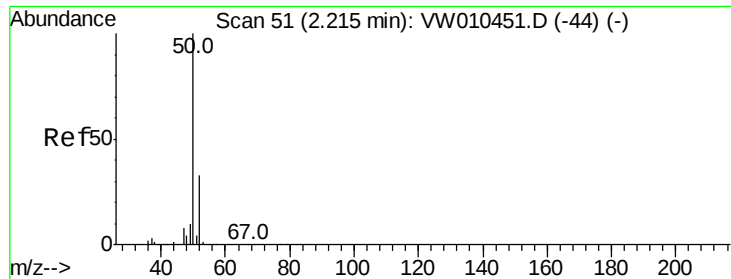
Tgt Ion: 85 Resp: 21113

Ion Ratio Lower Upper

85 100

87 33.9 16.3 48.8





#3

Chloromethane

Concen: 15.723 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 50 Resp: 25040

Ion Ratio Lower Upper

50 100

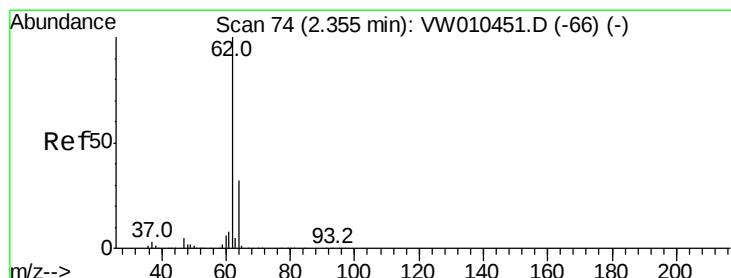
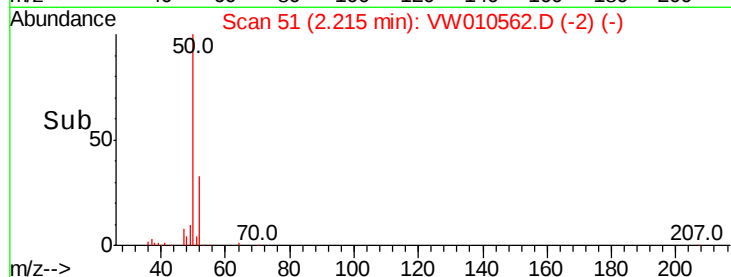
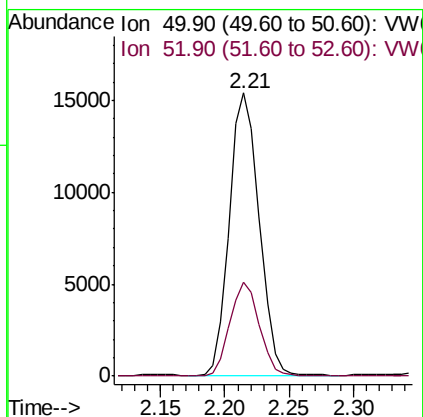
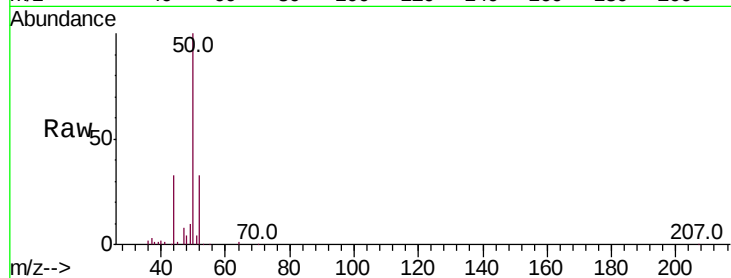
52 33.1 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.516 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010562.D

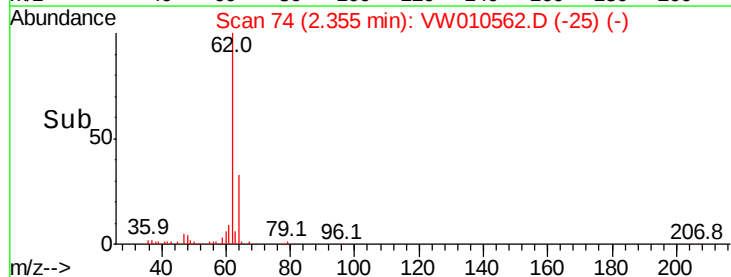
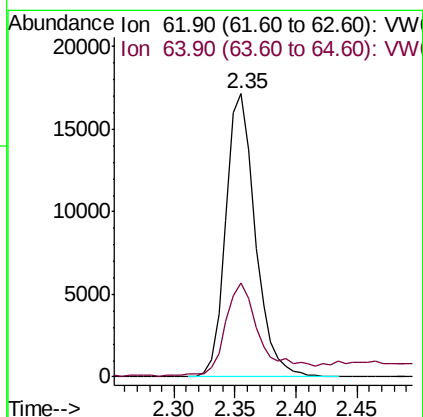
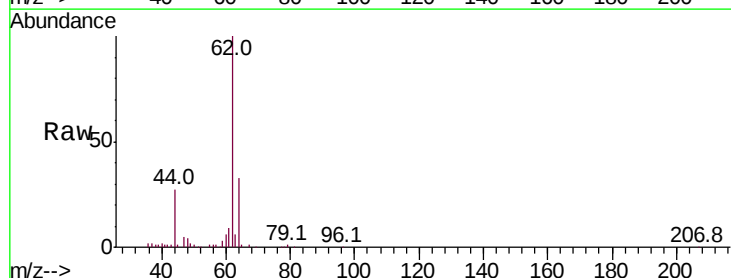
Acq: 28 May 2019 12:56

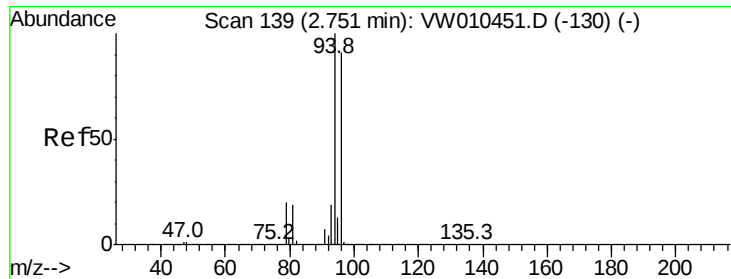
Tgt Ion: 62 Resp: 28622

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8





#5

Bromomethane

Concen: 16.442 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 94 Resp: 20865

Ion Ratio Lower Upper

94 100

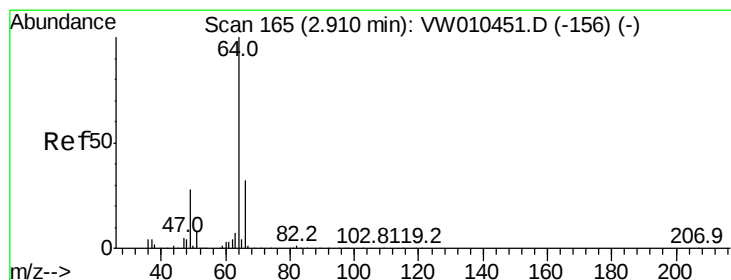
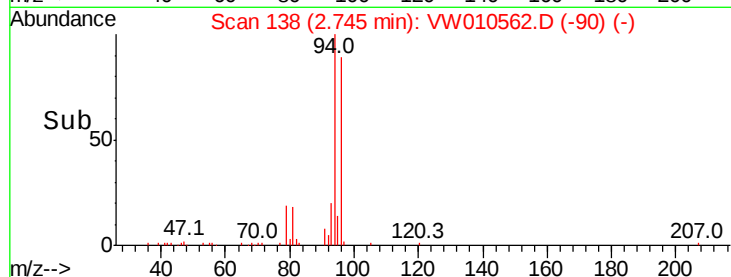
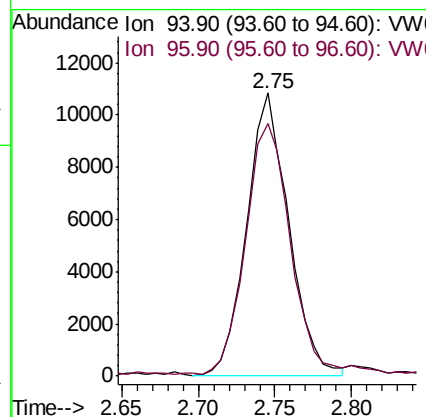
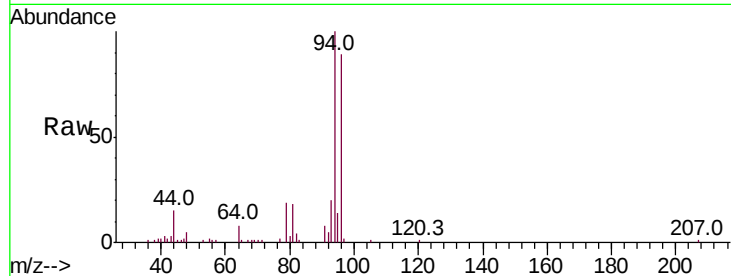
96 88.0 72.9 109.3

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#6

Chloroethane

Concen: 18.073 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010562.D

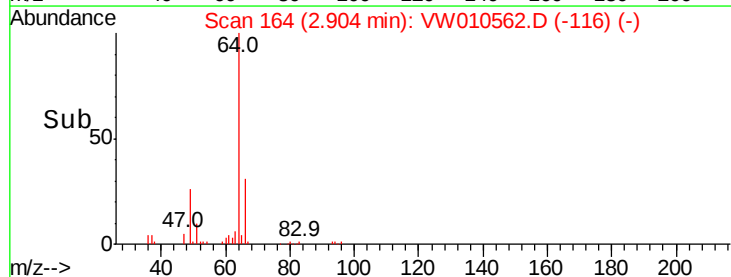
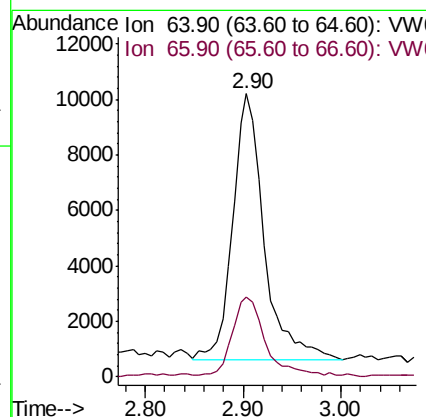
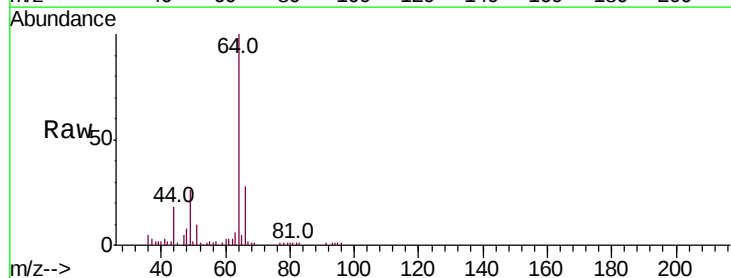
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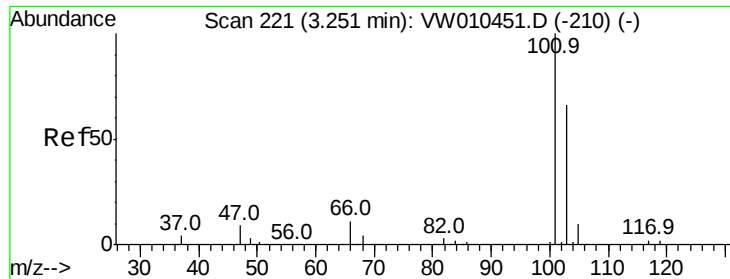
Tgt Ion: 64 Resp: 21401

Ion Ratio Lower Upper

64 100

66 29.4 25.5 38.3





#7

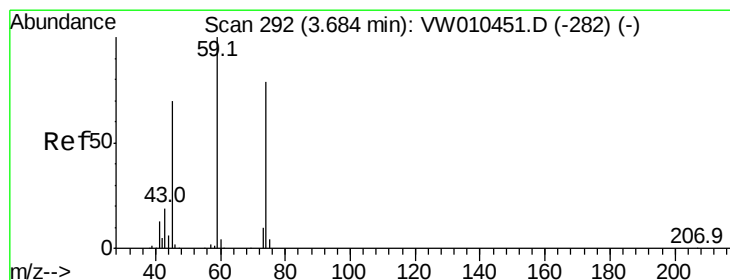
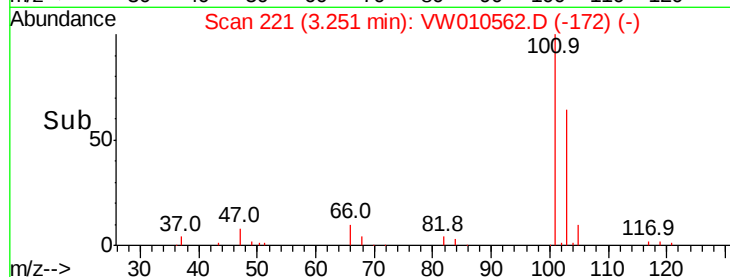
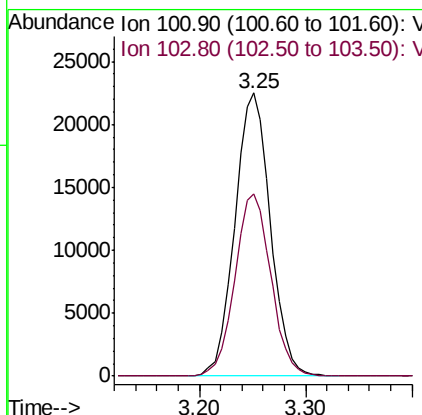
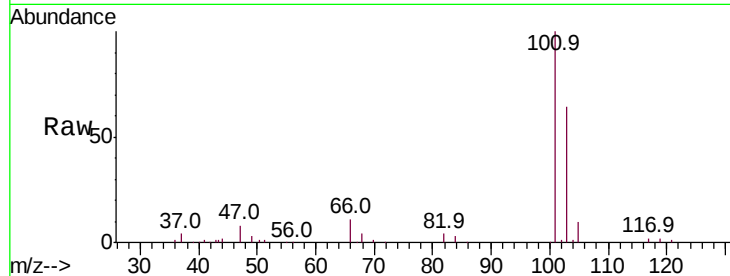
Trichlorofluoromethane
 Concen: 19.291 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

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 ClientSampleId :
 VW0528SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.0	79.4

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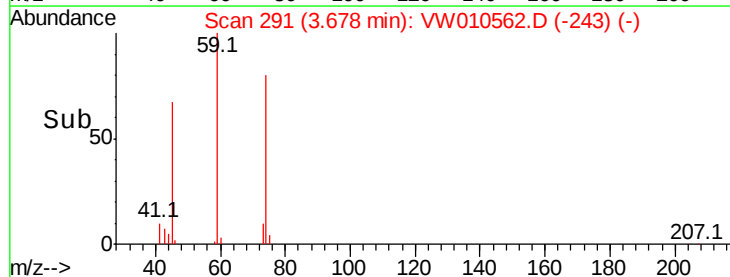
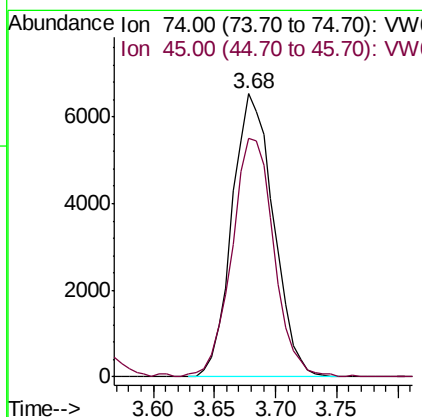
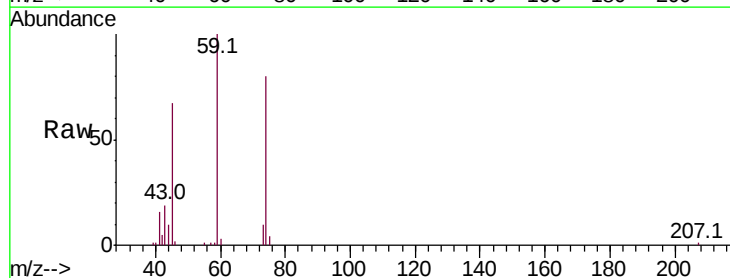
MMDadoda
 5/29/2019 11:05:31 AM

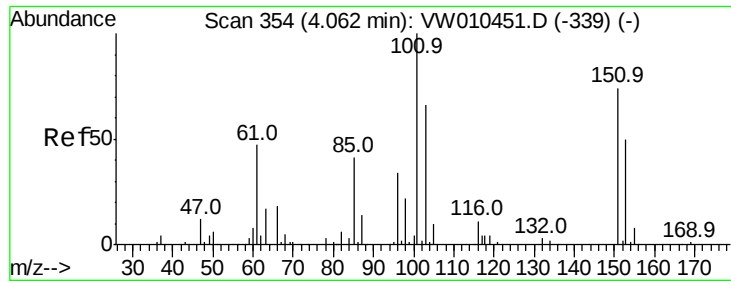


#8

Diethyl Ether
 Concen: 17.798 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.4	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.762 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

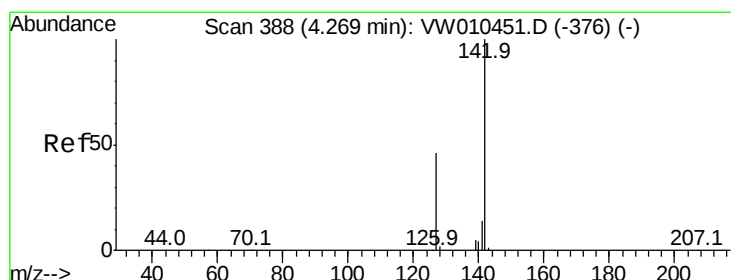
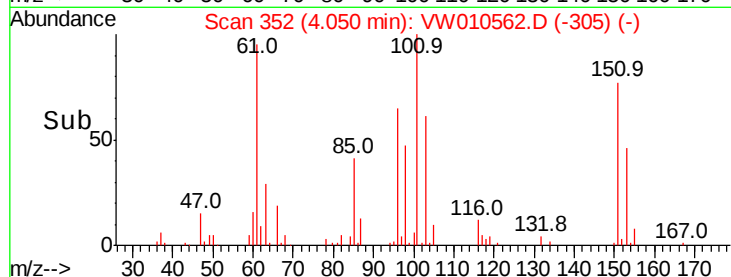
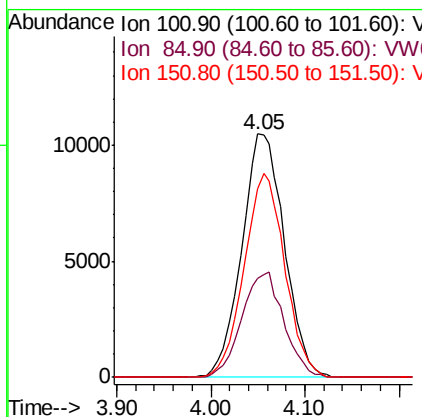
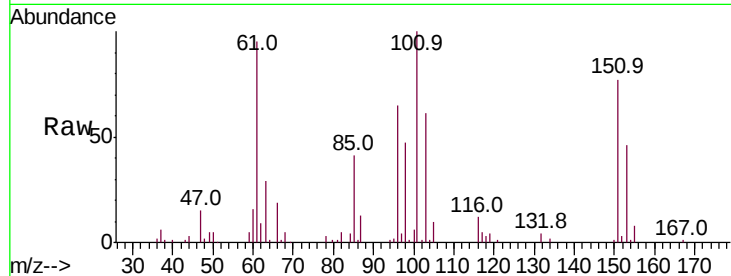
ClientSampled :

VW0528SBS01

Tot Ion:	101	Resp:	33144
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.3	51.5
151	79.8	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 16.232 ug/l

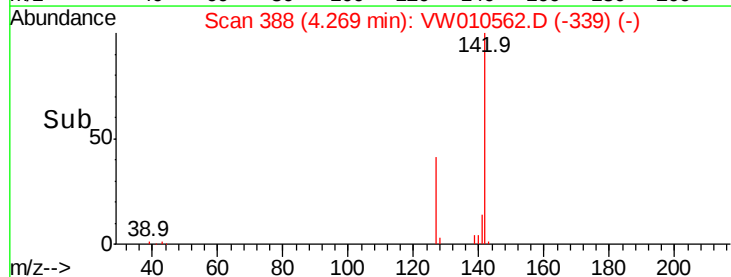
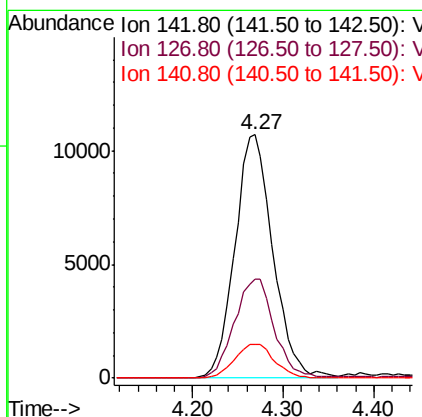
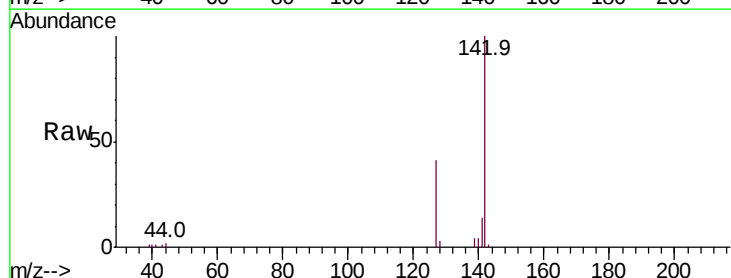
RT: 4.27 min Scan# 388

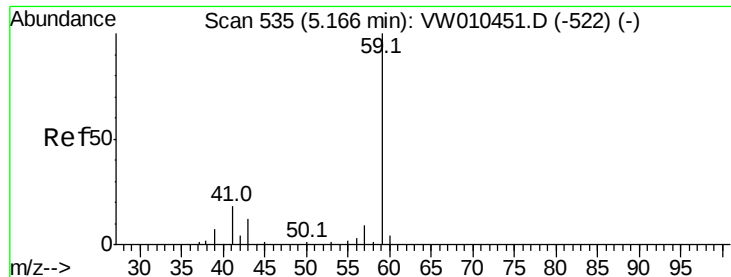
Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Tgt Ion:	142	Resp:	31116
Ion Ratio	Lower	Upper	
142	100		
127	42.6	36.1	54.1
141	14.5	11.3	16.9





#11

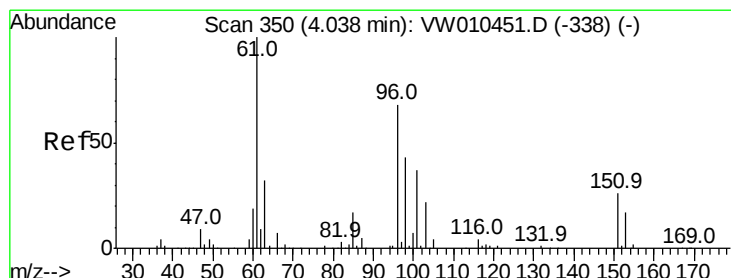
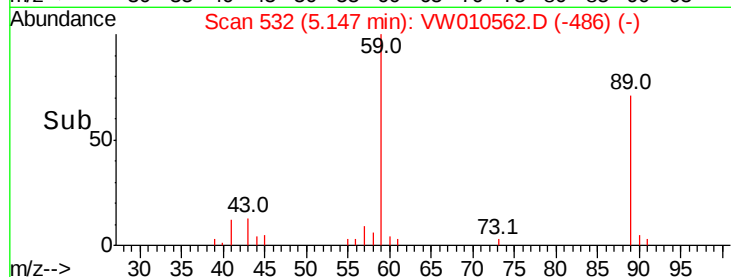
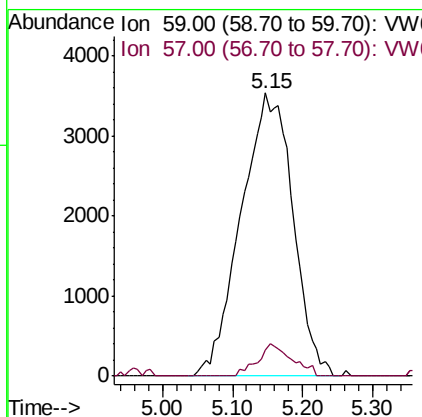
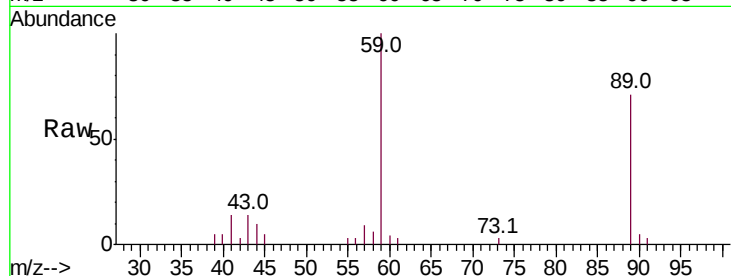
Tert butyl alcohol
 Concen: 129.203 ug/l
 RT: 5.15 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.6	8.8	13.2#

Manual Integrations
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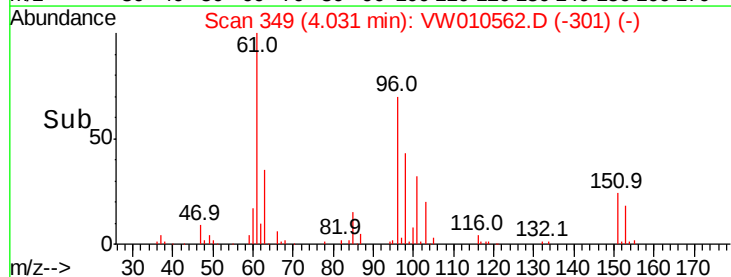
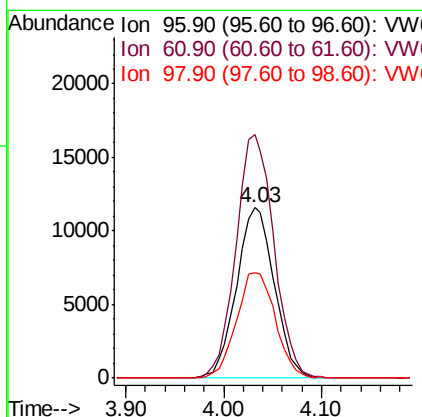
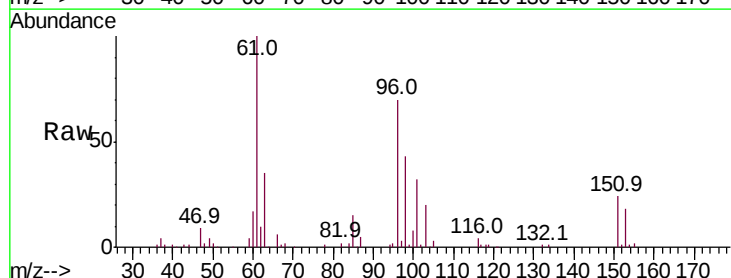
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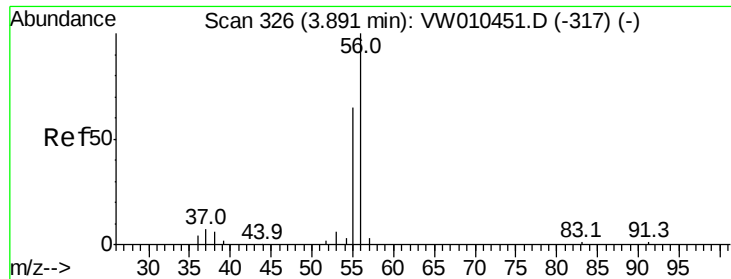


#12

1,1-Dichloroethene
 Concen: 19.417 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.9	118.3	177.5
98	62.1	51.0	76.6





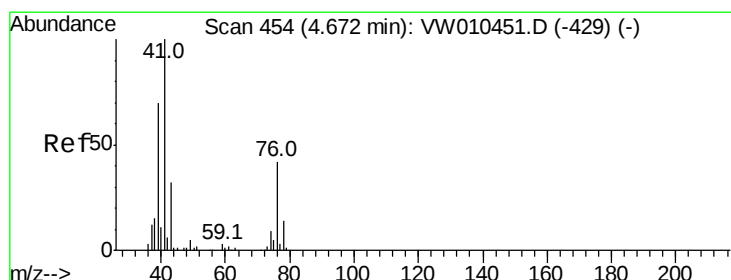
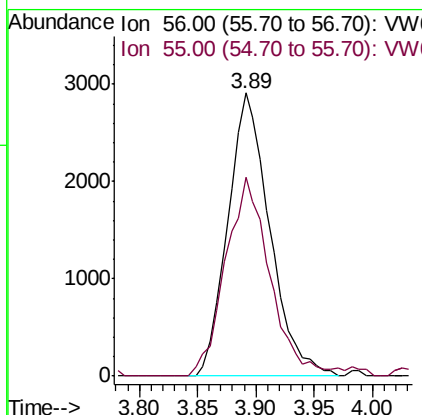
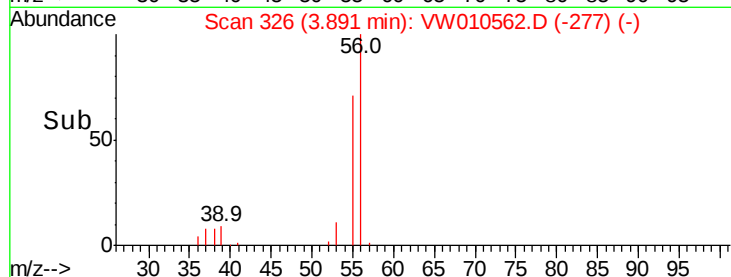
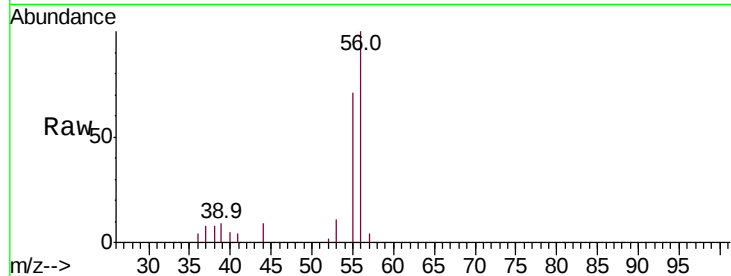
#13
 Acrolein
 Concen: 72.890 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion: 56 Resp: 7273
 Ion Ratio Lower Upper
 56 100
 55 74.1 57.9 86.9

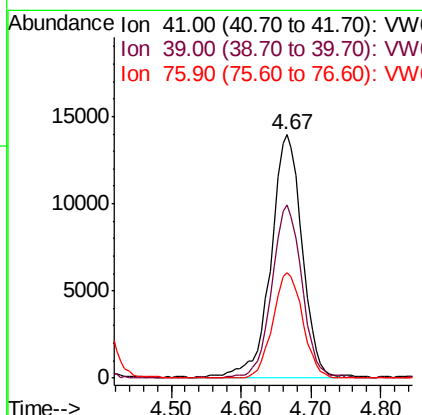
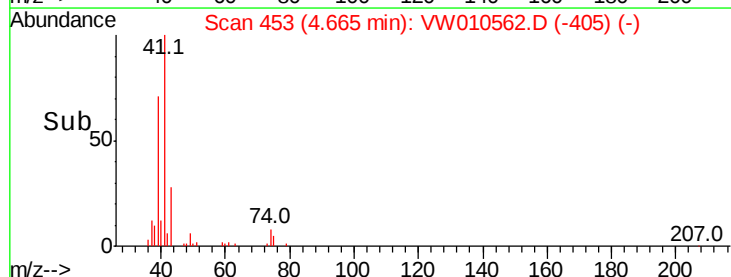
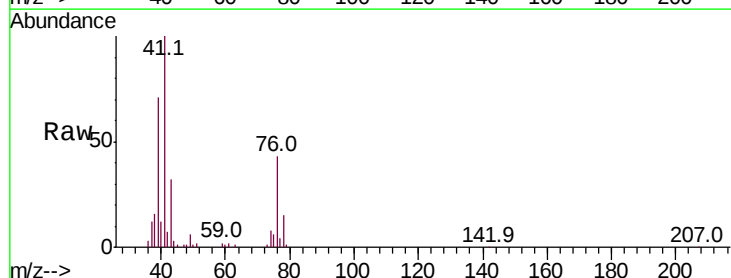
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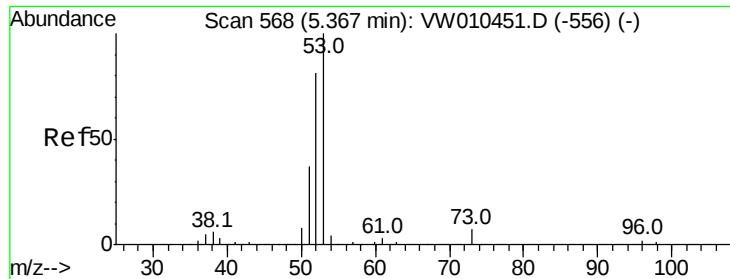
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#14
 Allyl chloride
 Concen: 18.826 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion: 41 Resp: 43629
 Ion Ratio Lower Upper
 41 100
 39 68.9 55.0 82.4
 76 41.3 32.8 49.2





#15

Acrylonitrile

Concen: 81.925 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

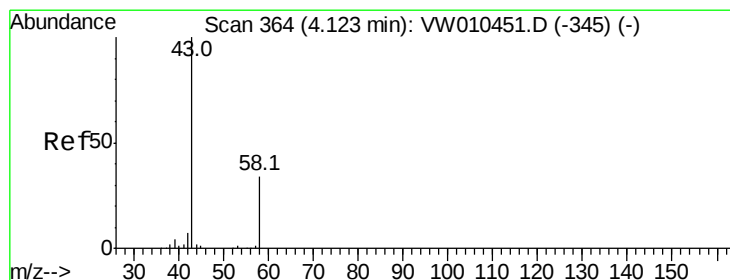
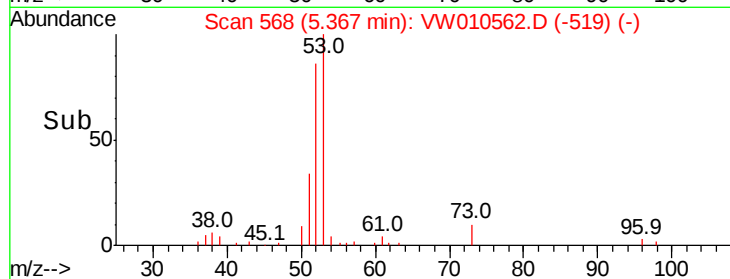
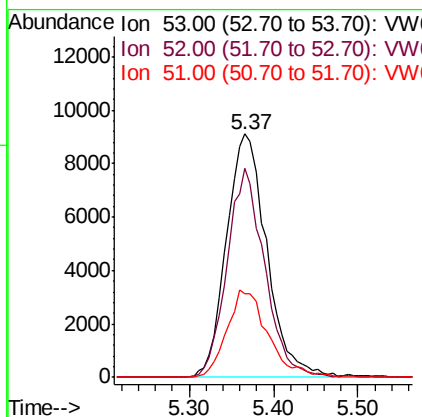
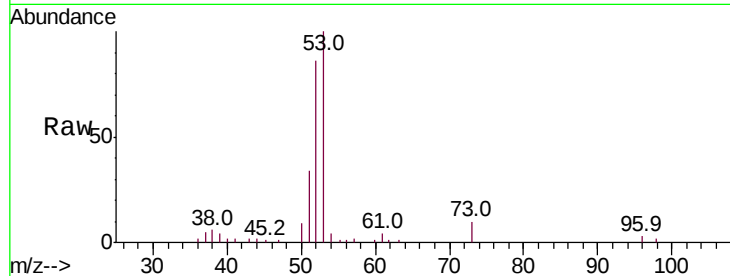
ClientSampleId :

VW0528SBS01

Tot Ion:	53	Resp:	29620
Ion	Ratio	Lower	Upper
53	100		
52	80.0	65.6	98.4
51	36.5	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 84.870 ug/l

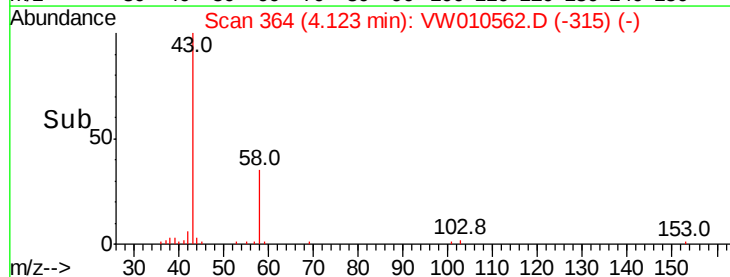
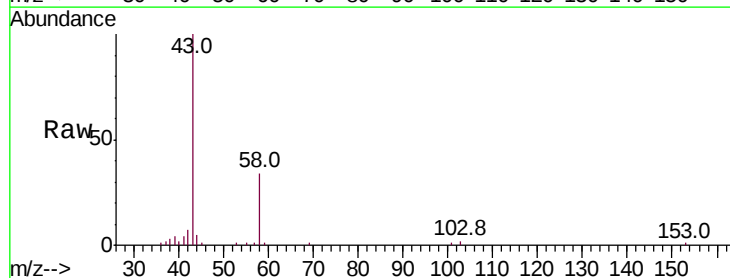
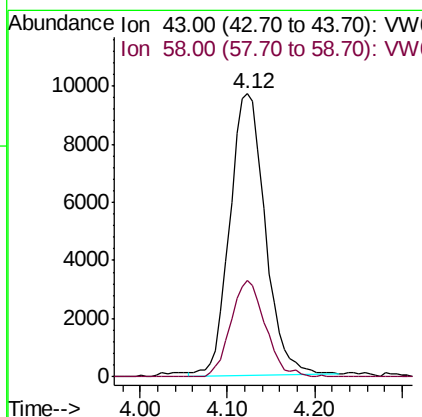
RT: 4.12 min Scan# 364

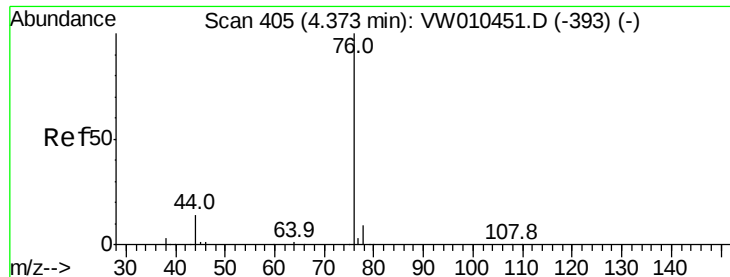
Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Tgt Ion:	43	Resp:	27103
Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.0	40.4





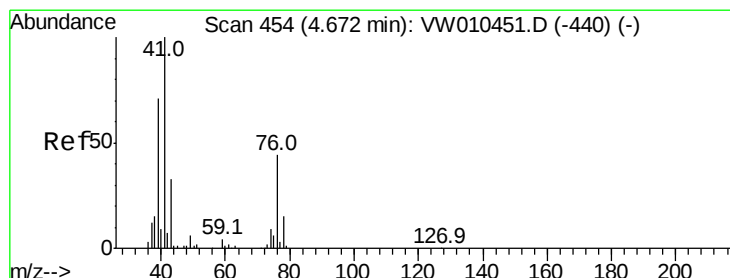
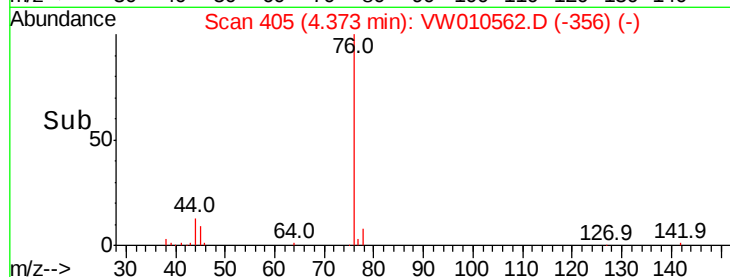
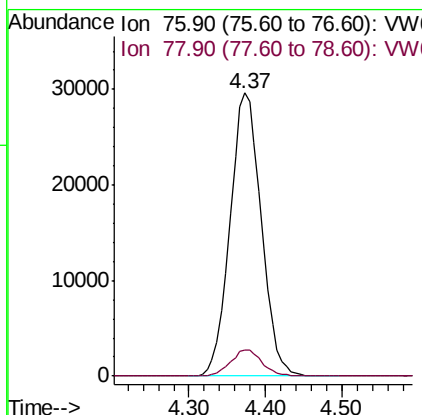
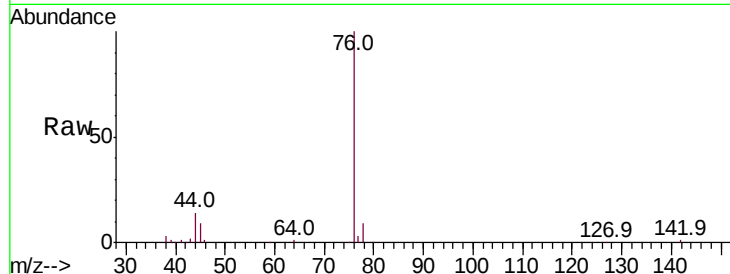
#17
Carbon Disulfide
Concen: 17.519 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

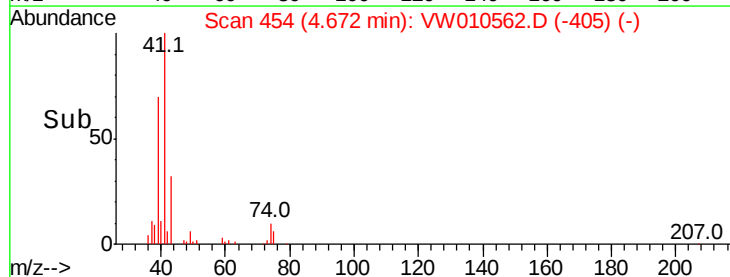
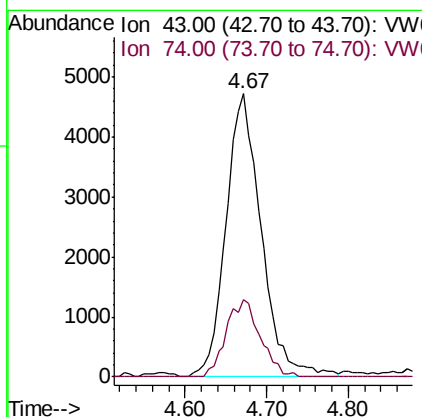
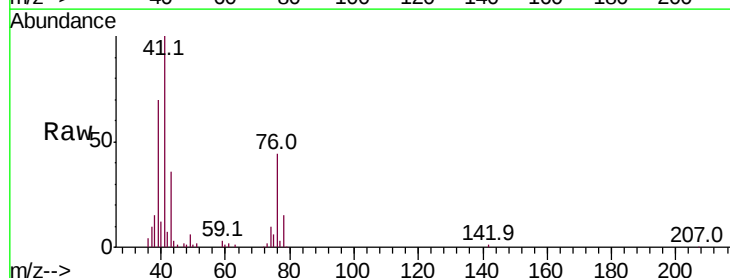
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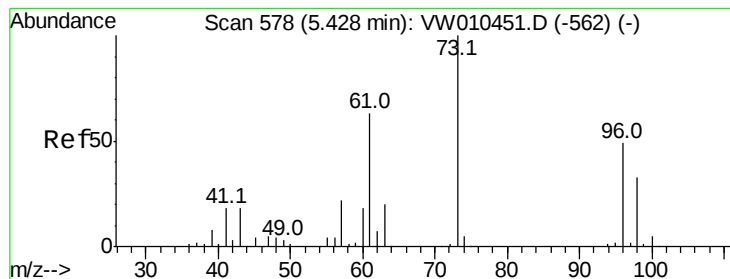
MMDadoda
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#18
Methyl Acetate
Concen: 18.102 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	21.6	32.4





#19

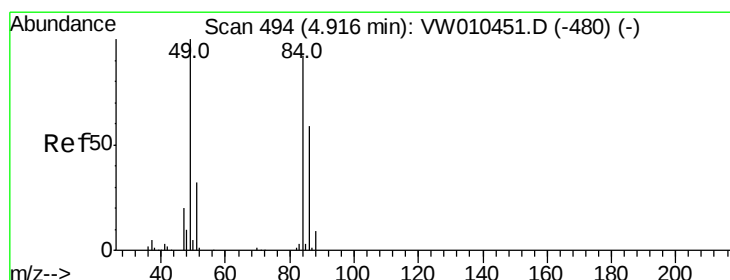
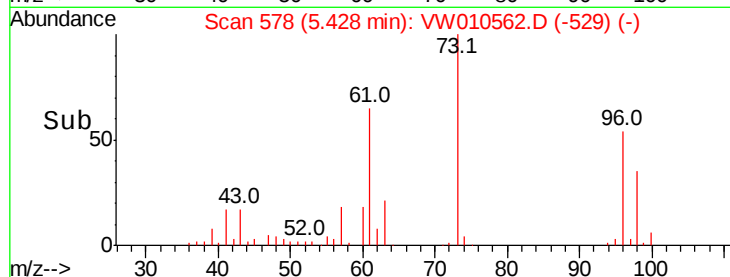
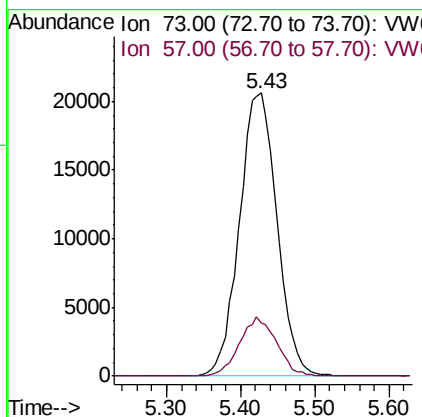
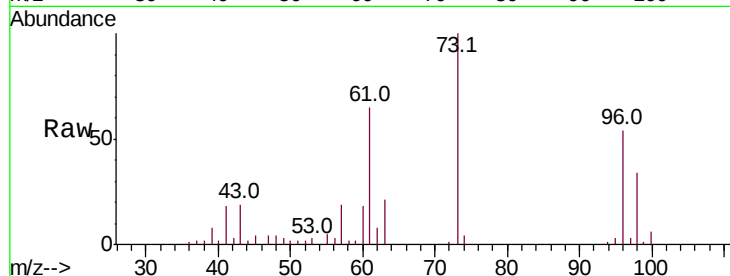
Methyl tert-butyl Ether
 Concen: 17.846 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	17.4	26.0

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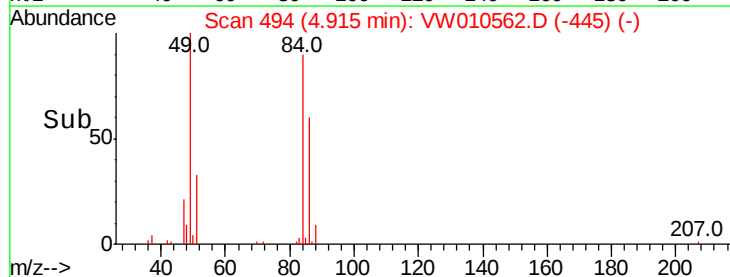
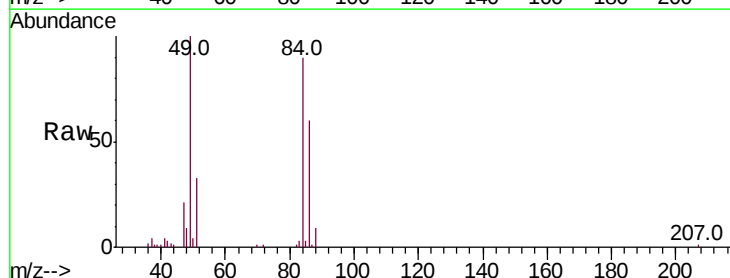
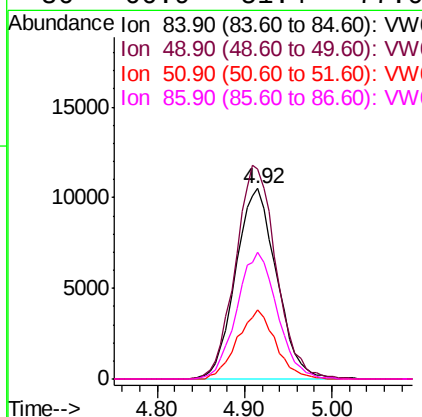
MMDadoda
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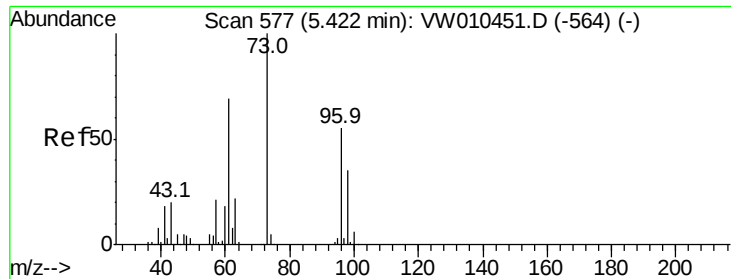


#20

Methylene Chloride
 Concen: 14.714 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.6	87.2	130.8
51	36.4	27.7	41.5
86	66.9	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 19.049 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

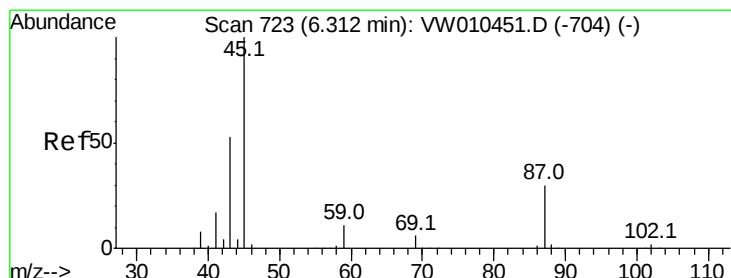
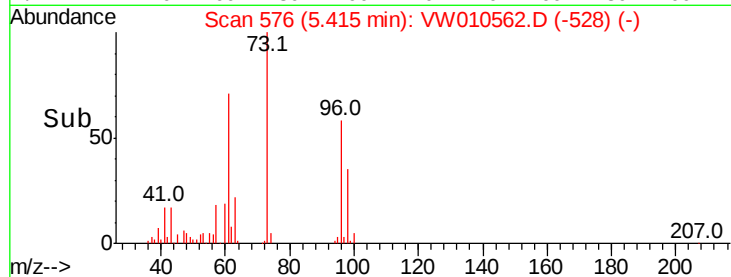
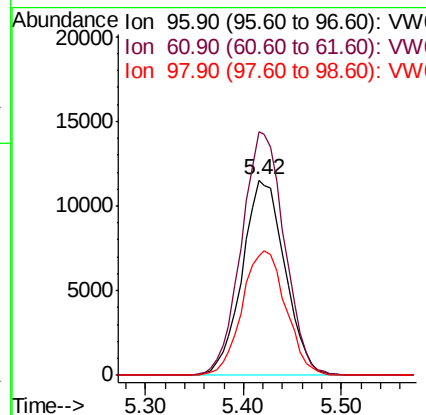
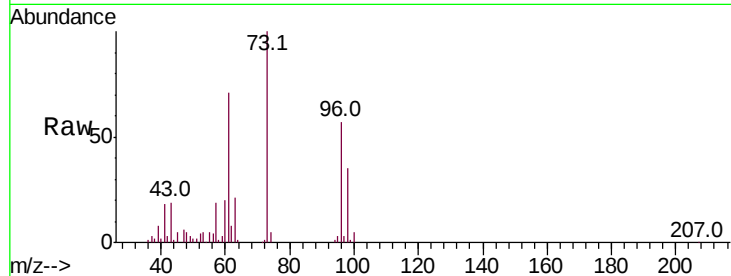
ClientSampleId :

VW0528SBS01

Tot Ion:	96	Resp:	34981
Ion	Ratio	Lower	Upper
96	100		
61	124.5	101.4	152.0
98	61.4	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.307 ug/l

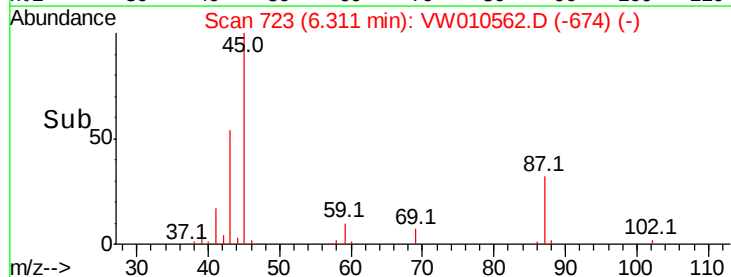
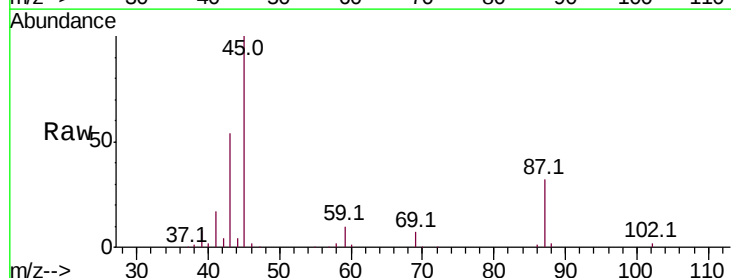
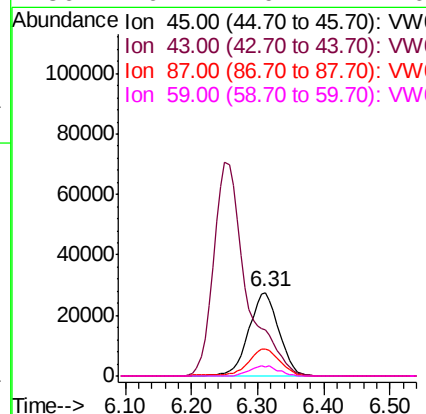
RT: 6.31 min Scan# 723

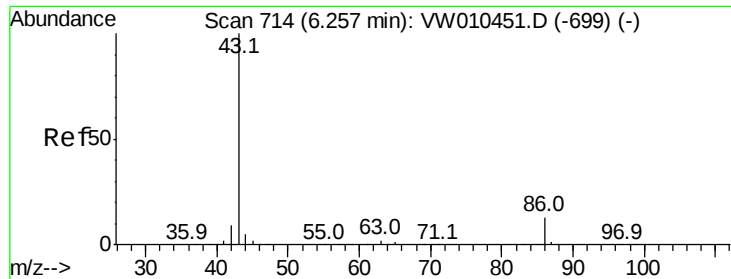
Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Tgt Ion:	45	Resp:	86992
Ion	Ratio	Lower	Upper
45	100		
43	53.8	42.9	64.3
87	32.2	24.6	36.8
59	10.4	9.4	14.0





#23

Vinyl Acetate

Concen: 84.808 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 43 Resp: 240728

Ion Ratio Lower Upper

43 100

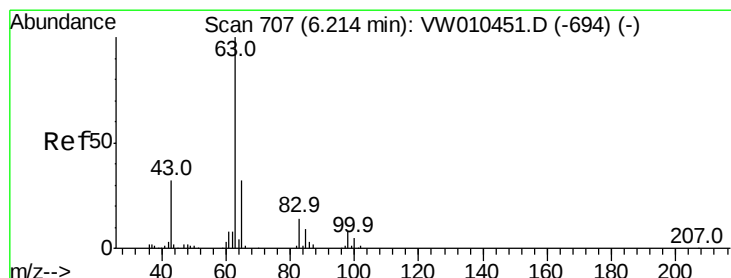
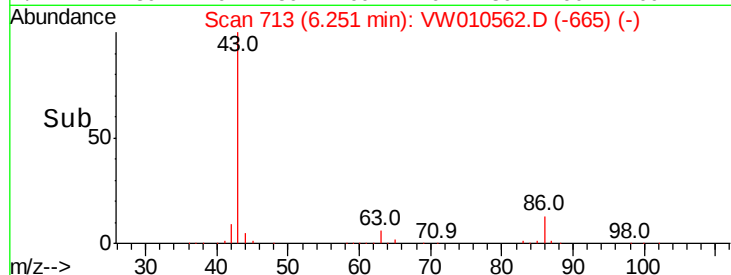
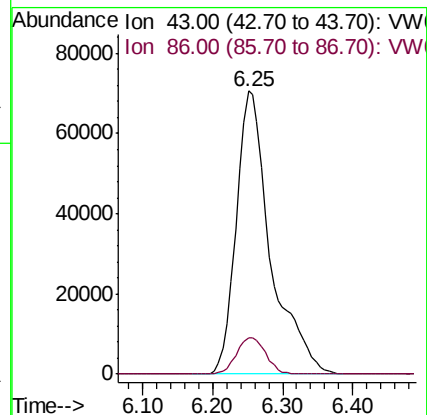
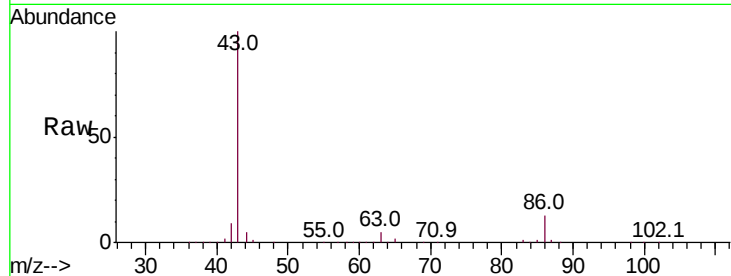
86 12.8 10.3 15.5

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#24

1,1-Dichloroethane

Concen: 19.550 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

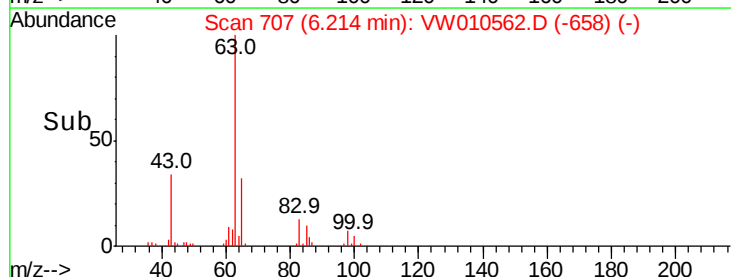
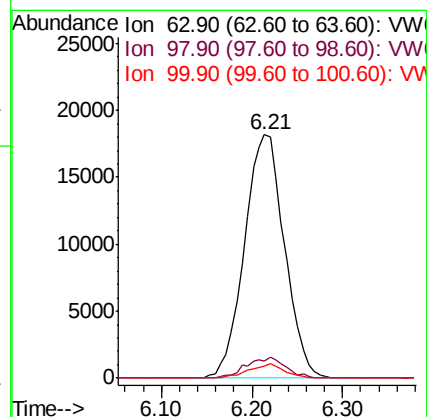
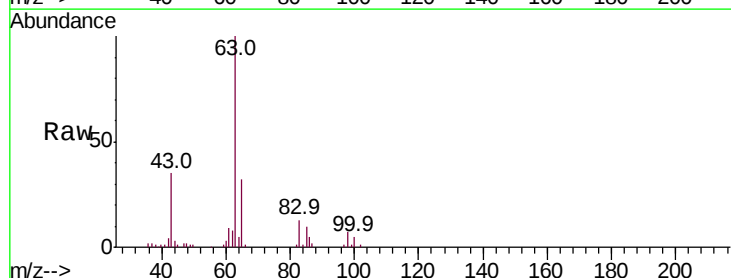
Tgt Ion: 63 Resp: 55437

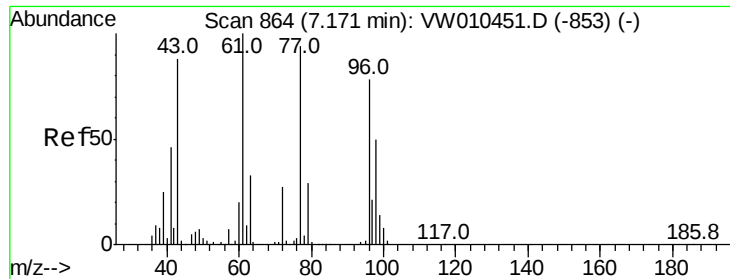
Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

100 5.1 2.5 7.4





#25

2-Butanone

Concen: 87.909 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 43 Resp: 40176

Ion Ratio Lower Upper

43 100

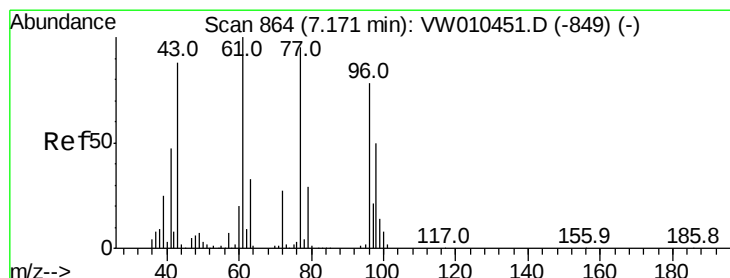
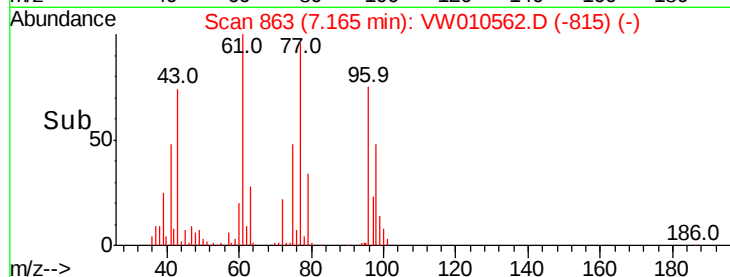
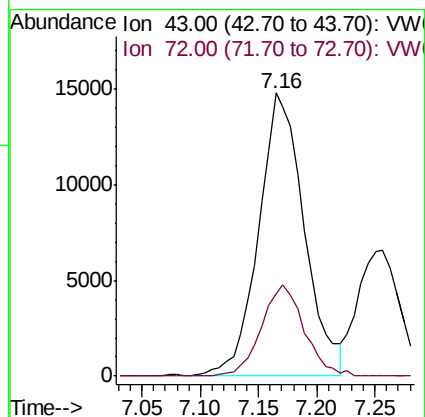
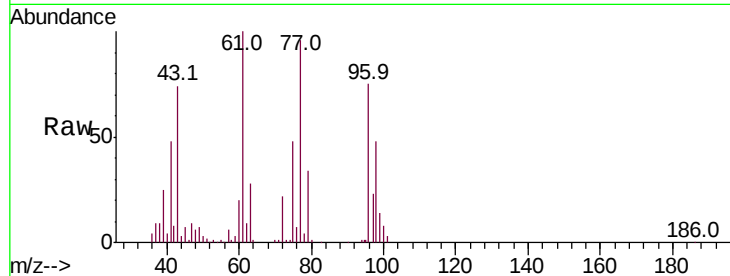
72 29.2 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.474 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010562.D

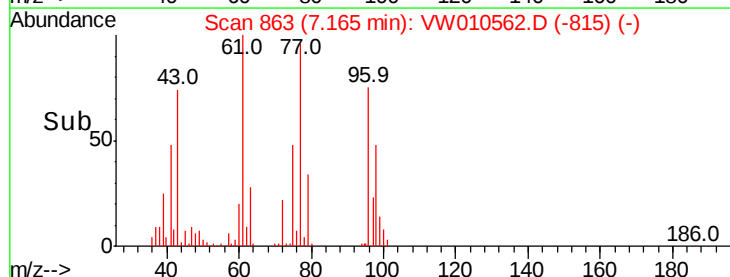
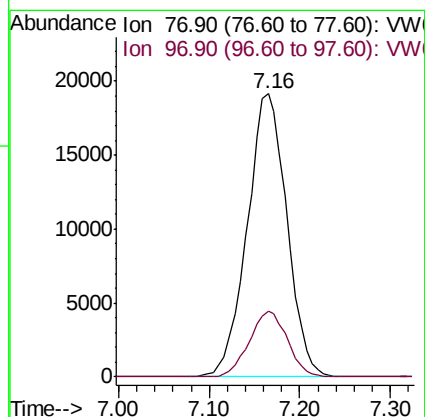
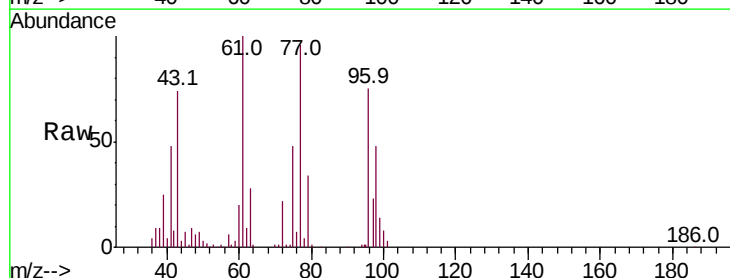
Acq: 28 May 2019 12:56

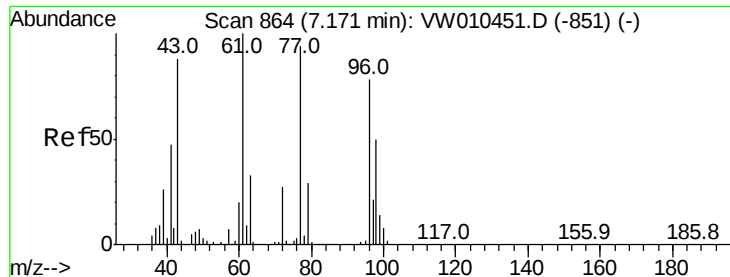
Tgt Ion: 77 Resp: 58004

Ion Ratio Lower Upper

77 100

97 22.1 11.7 35.0





#27

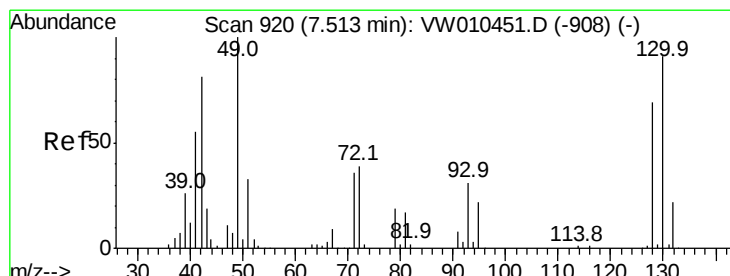
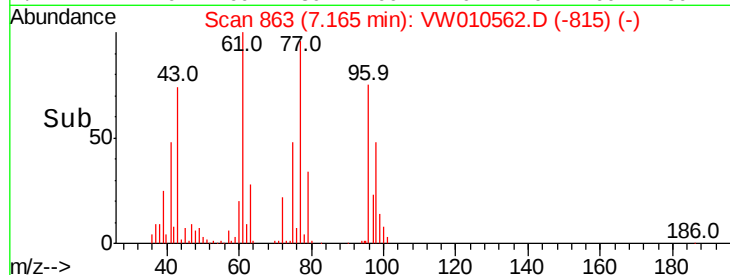
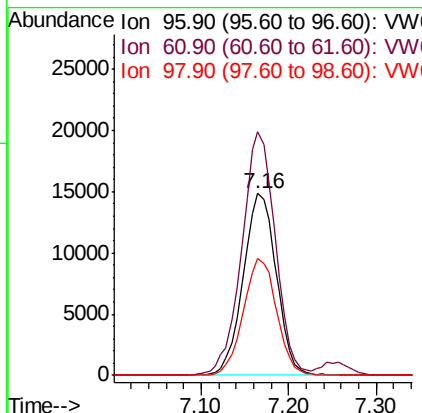
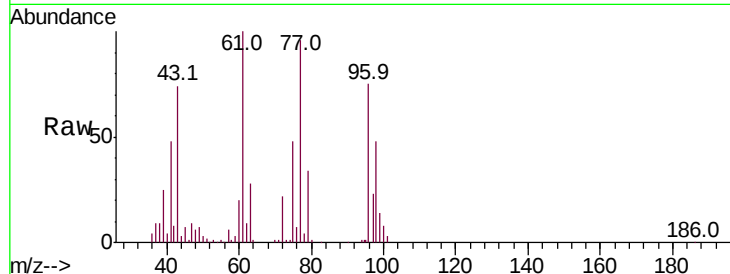
cis-1,2-Dichloroethene
Concen: 19.607 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	0.0	265.4
98	64.2	0.0	129.4

Manual Integrations
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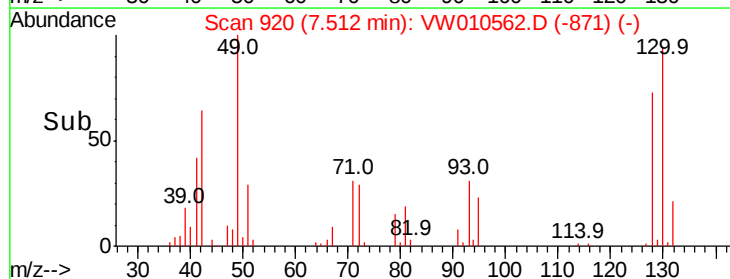
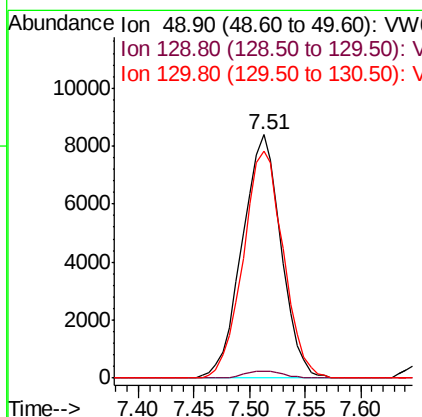
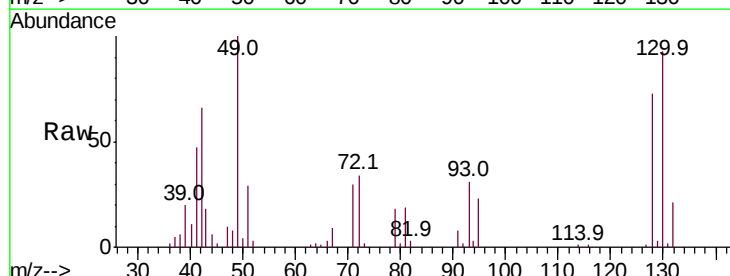
MMDadoda
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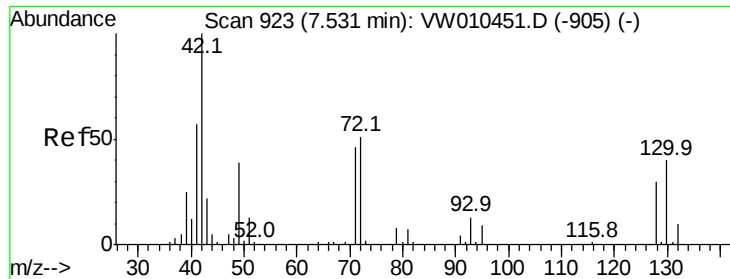


#28

Bromochloromethane
Concen: 20.076 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	96.2	71.2	106.8





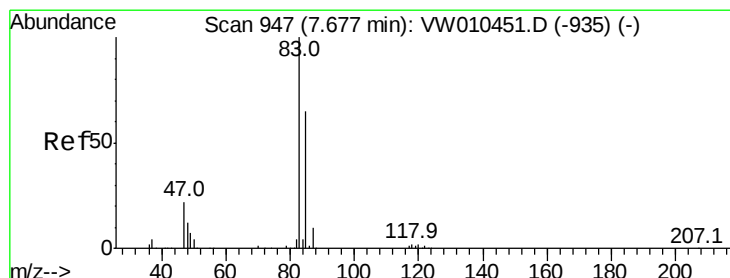
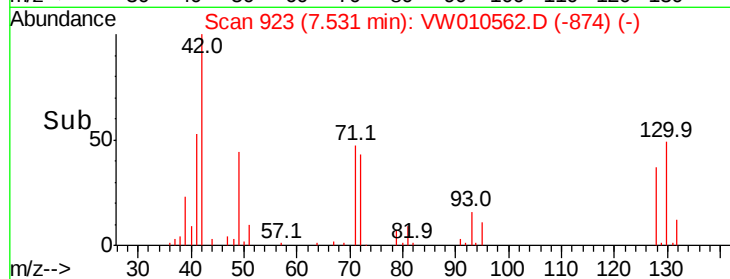
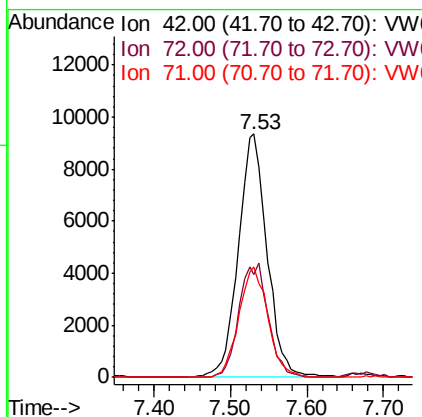
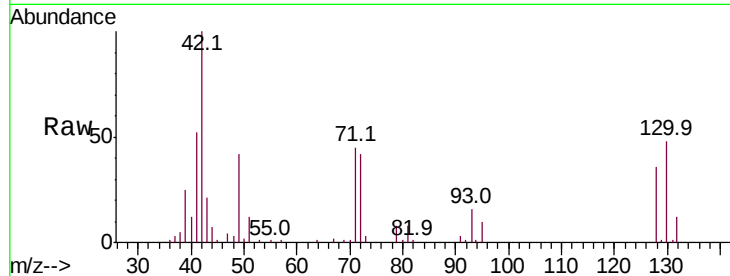
#29
Tetrahydrofuran
Concen: 79.094 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	38.5	57.7
71	45.6	36.5	54.7

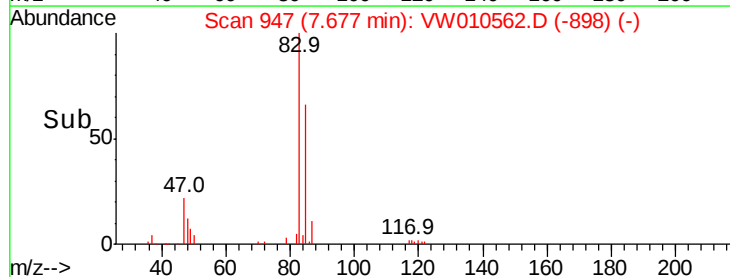
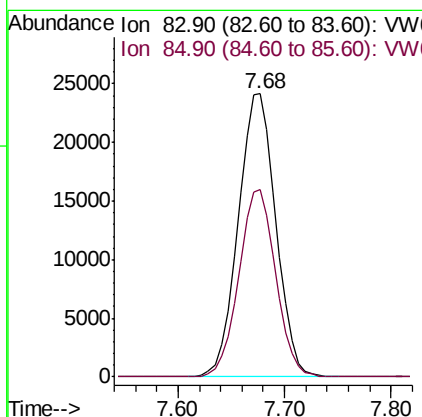
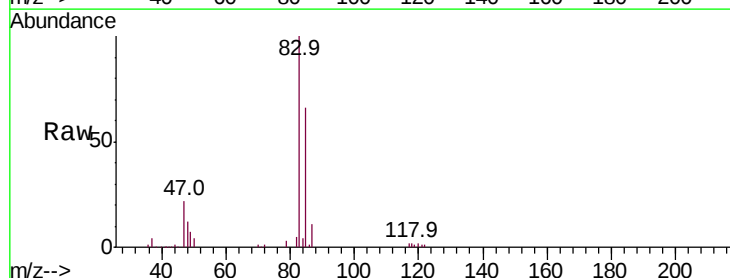
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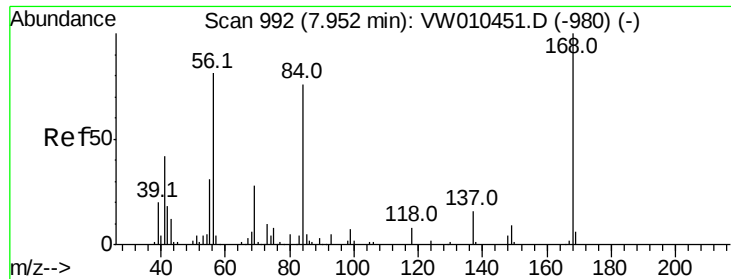
MMDadoda
5/29/2019 11:05:31 AM



#30
Chloroform
Concen: 19.533 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.4





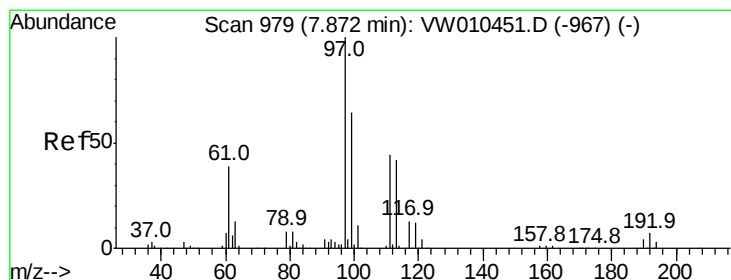
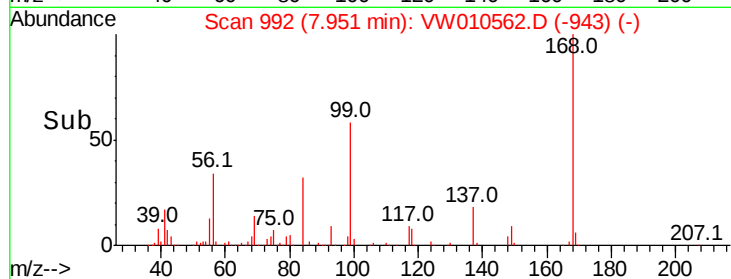
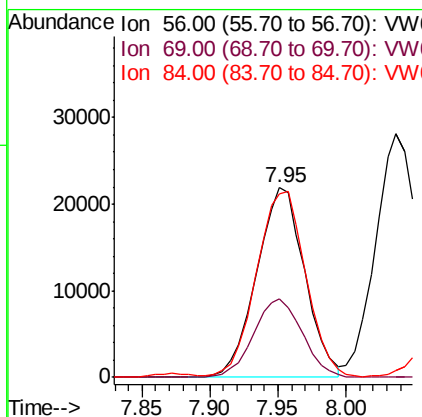
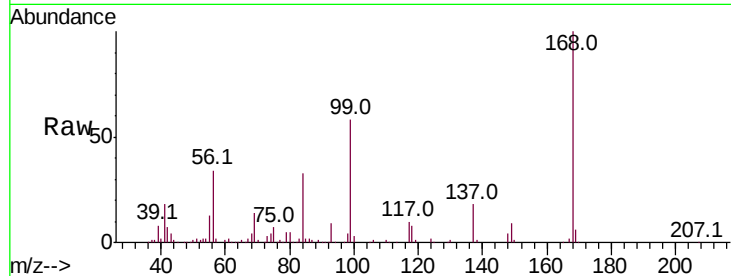
#31
Cyclohexane
Concen: 18.209 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.6	28.2	42.2
84	95.3	75.8	113.8

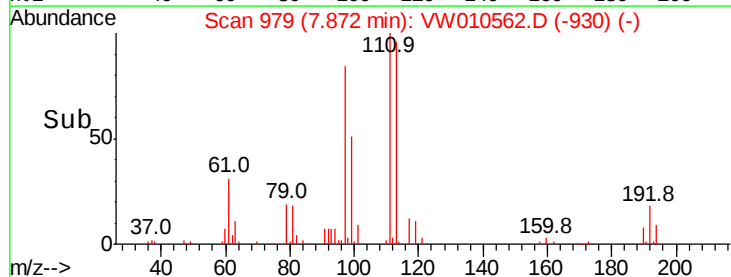
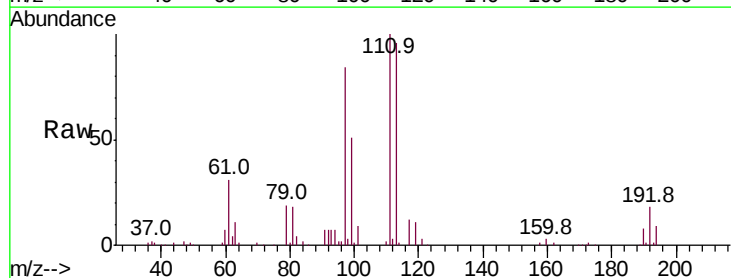
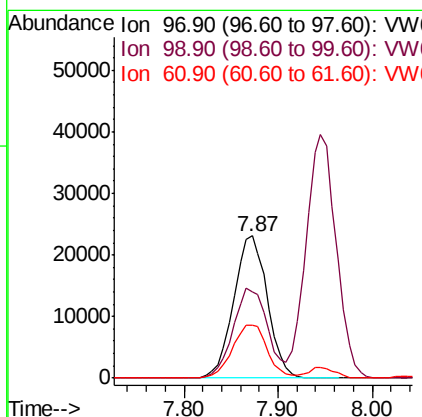
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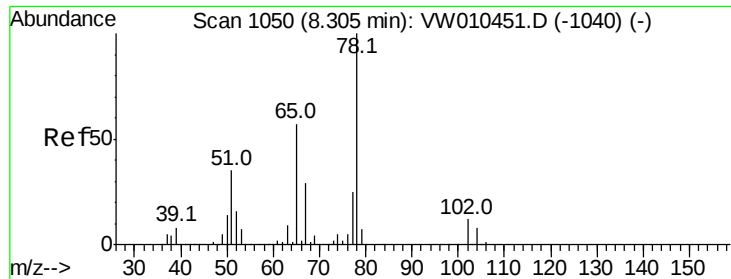
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#32
1,1,1-Trichloroethane
Concen: 19.656 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.8	76.2
61	38.9	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 46.443 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 65 Resp: 72660

Ion Ratio Lower Upper

65 100

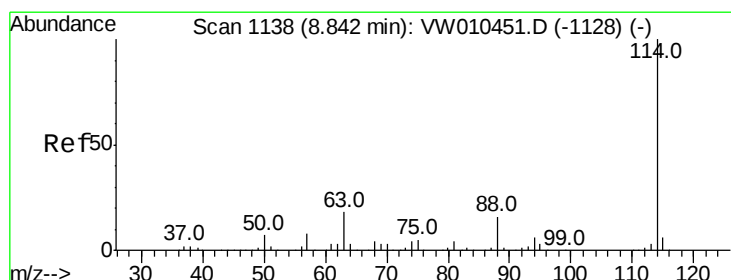
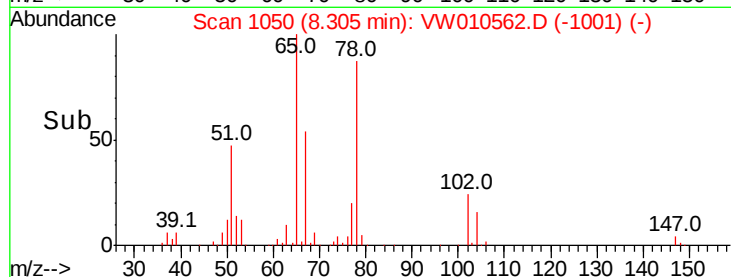
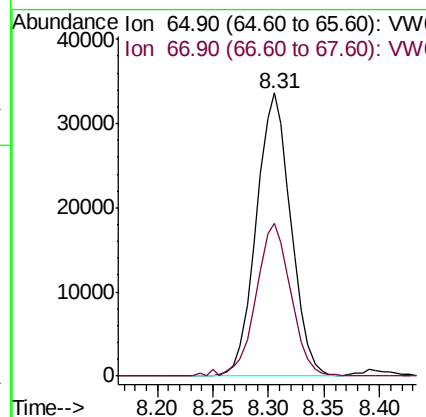
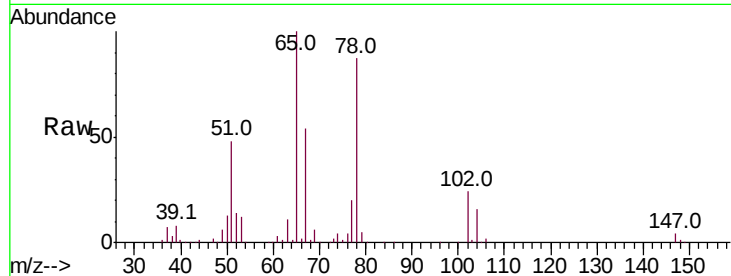
67 54.6 0.0 103.6

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: VW010562.D

Acq: 28 May 2019 12:56

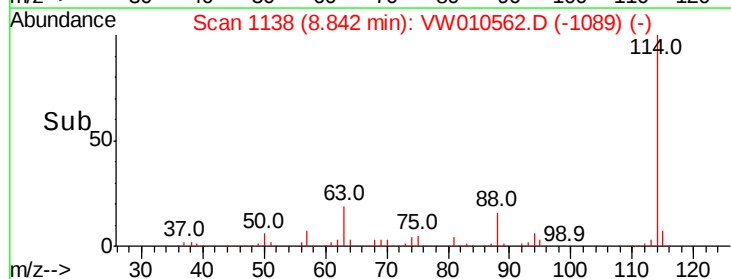
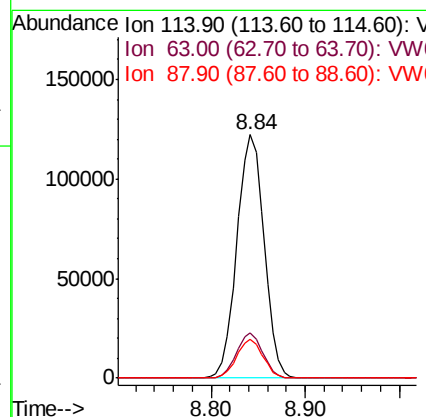
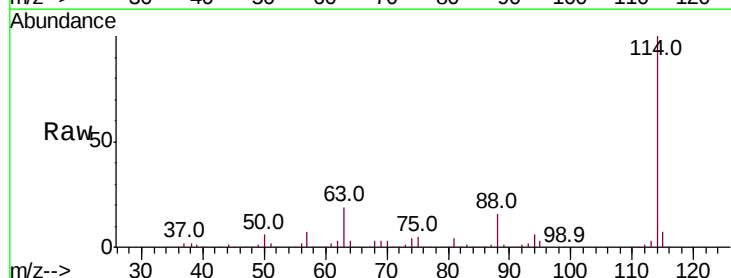
Tgt Ion: 114 Resp: 245856

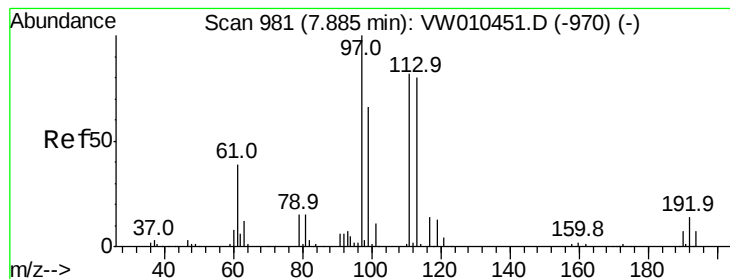
Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.0

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.900 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

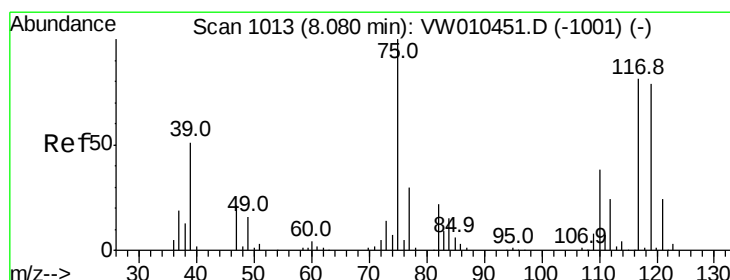
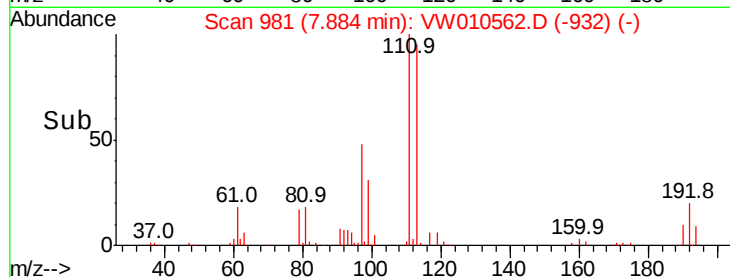
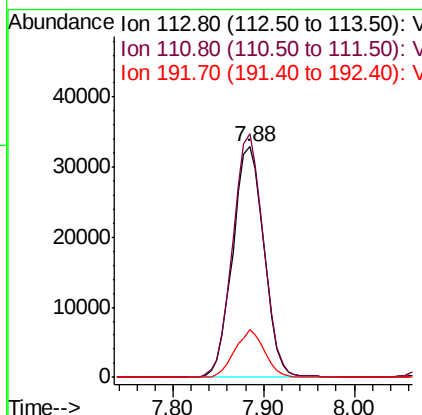
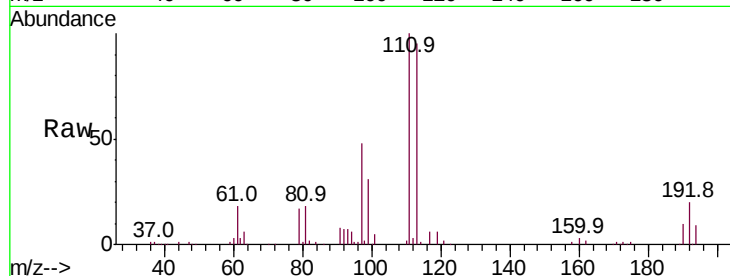
ClientSampleId :

VW0528SBS01

Tot Ion:	113	Resp:	78916
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.2	123.4
192	19.5	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.605 ug/l

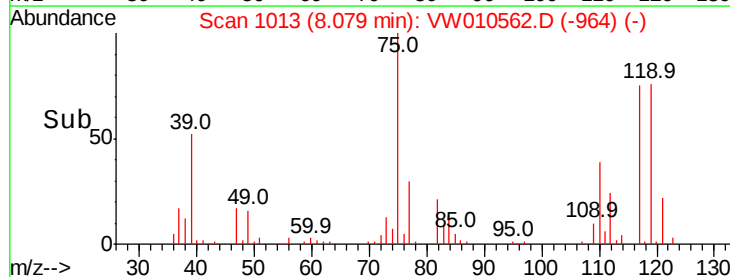
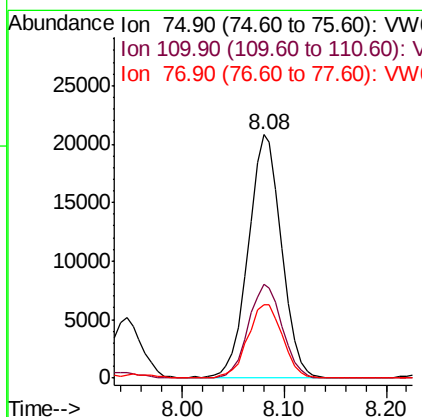
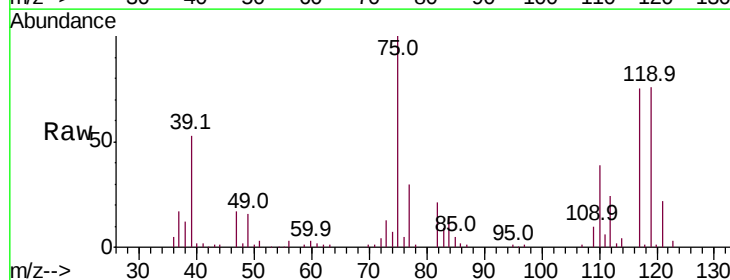
RT: 8.08 min Scan# 1013

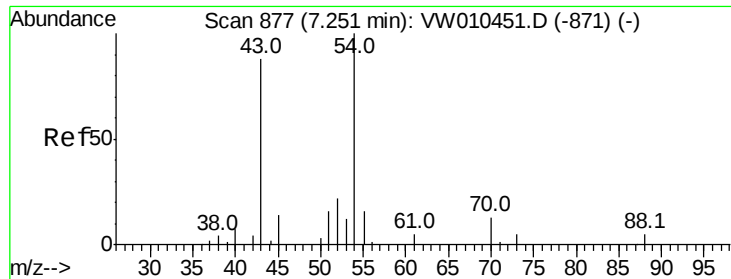
Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Tgt Ion:	75	Resp:	47190
Ion Ratio	Lower	Upper	
75	100		
110	39.0	19.2	57.6
77	31.9	25.2	37.8





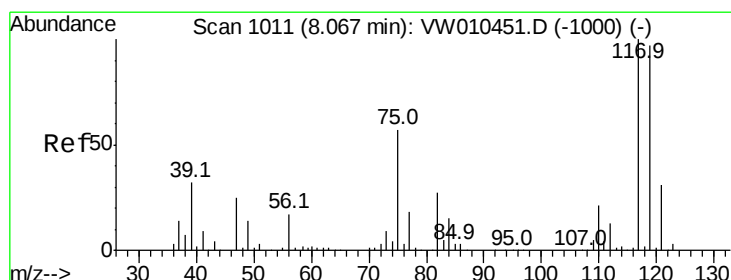
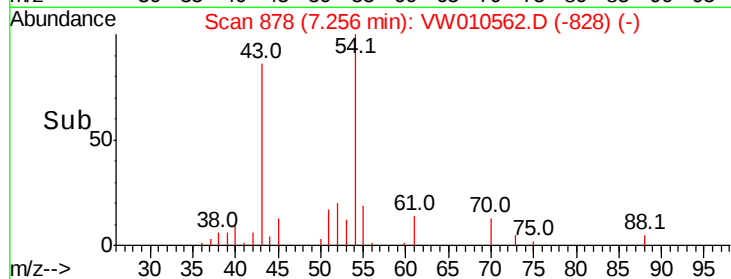
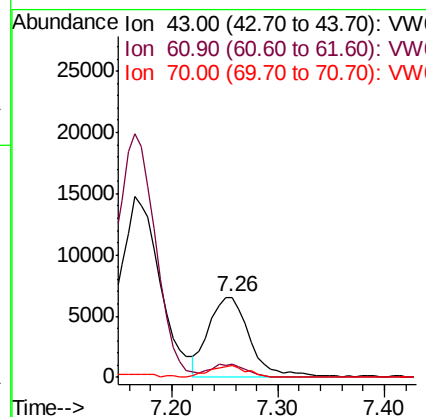
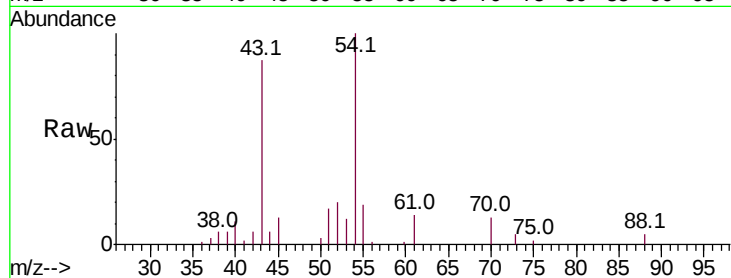
#37
Ethyl Acetate
Concen: 17.655 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleID :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.2	16.8
70	13.6	9.9	14.9

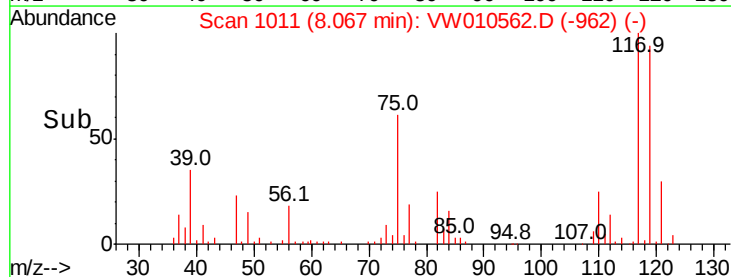
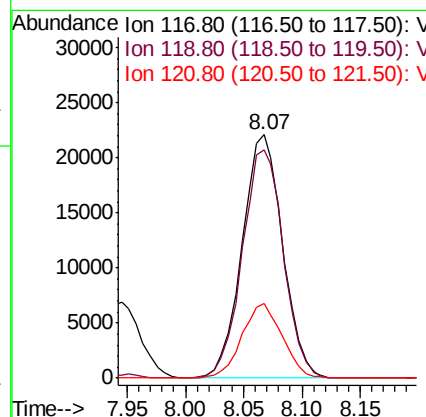
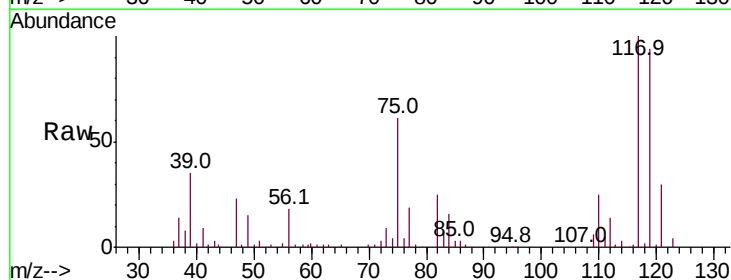
Manual Integrations
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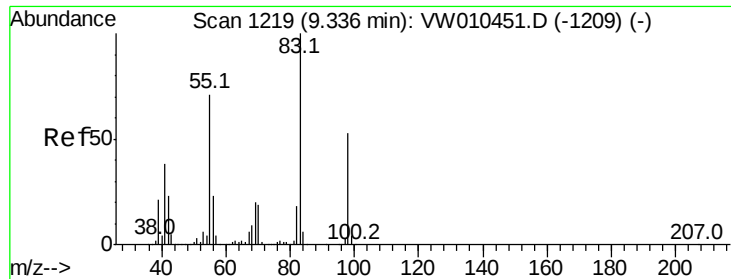
MMDadoda
5/29/2019 11:05:31 AM



#38
Carbon Tetrachloride
Concen: 21.640 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.4	116.0
121	30.4	25.0	37.6





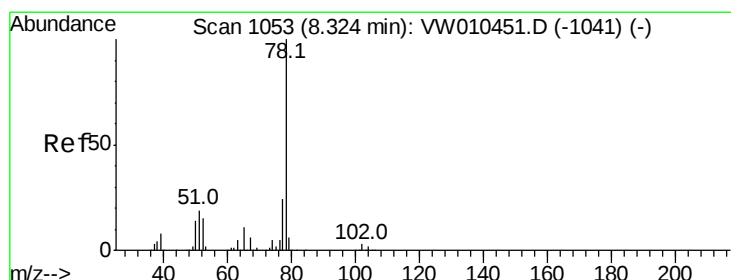
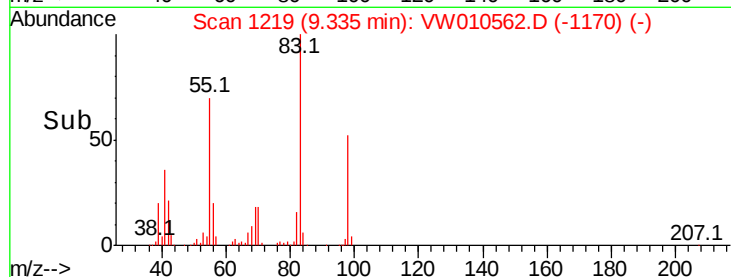
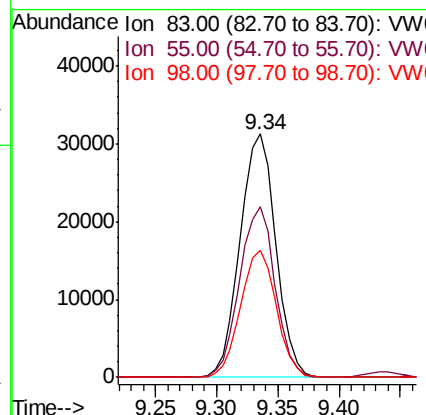
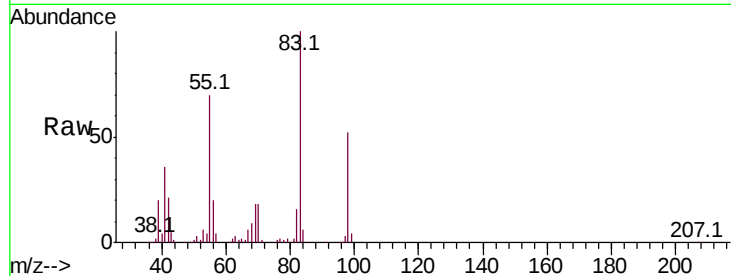
#39
Methvlcvclohexane
Concen: 20.689 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	57.0	85.6
98	52.4	42.0	63.0

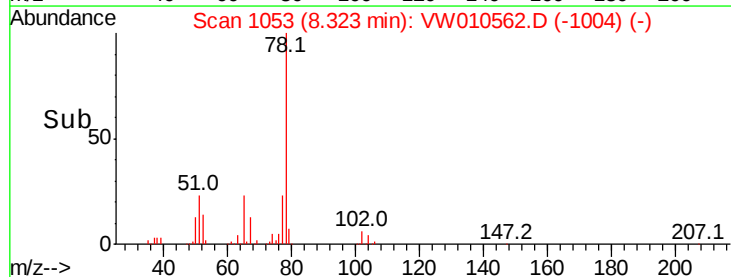
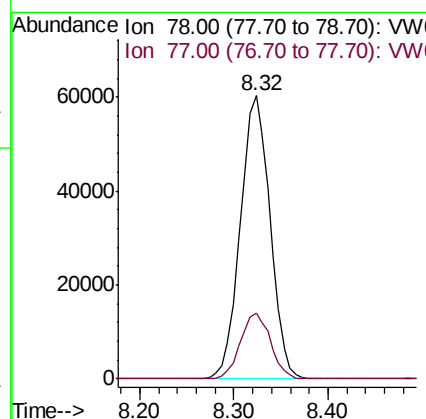
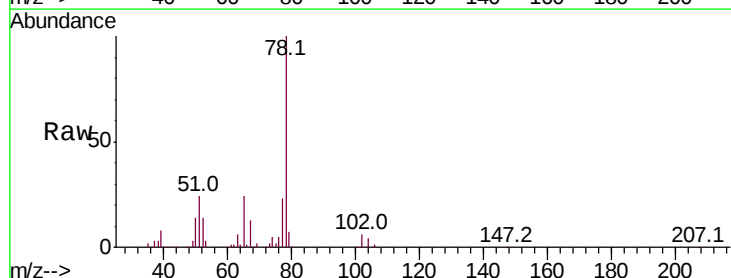
Manual Integrations
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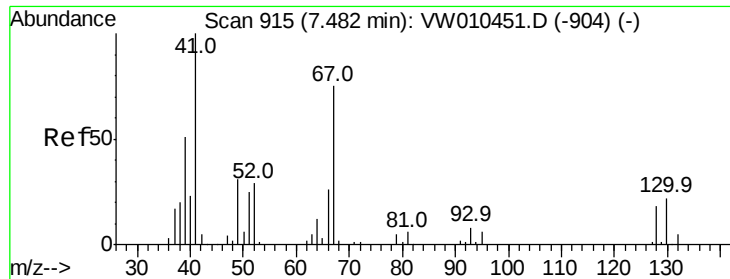
MMDadoda
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#40
Benzene
Concen: 20.866 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





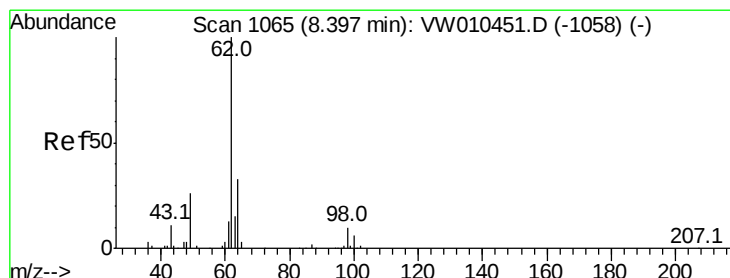
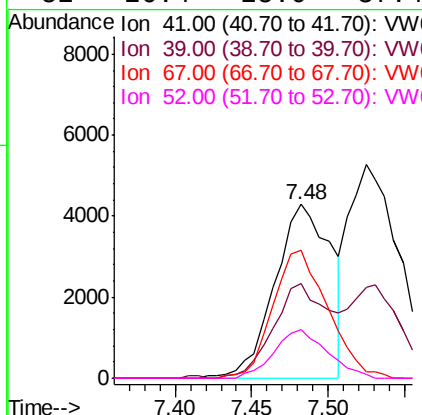
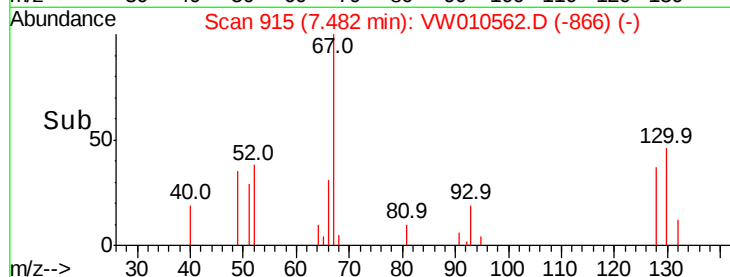
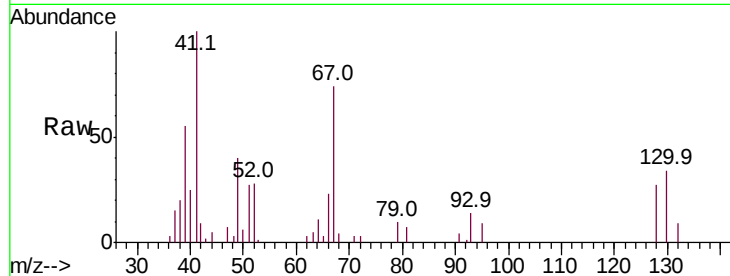
#41
Methacrylonitrile
Concen: 18.957 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.3	47.4	71.2
67	72.0	65.5	98.3
52	26.4	25.0	37.4

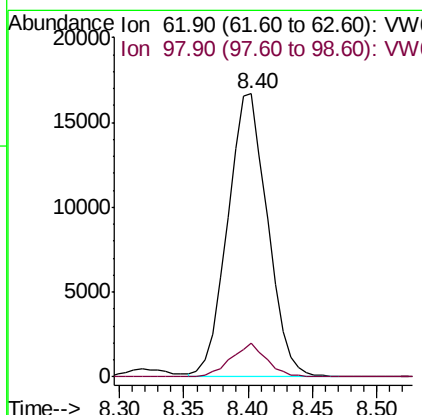
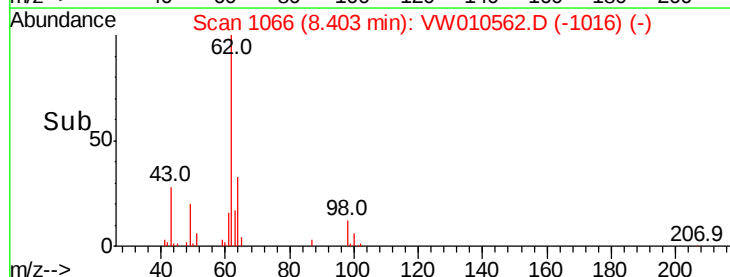
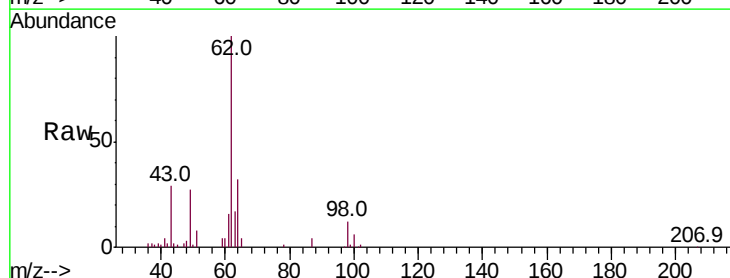
Manual Integrations
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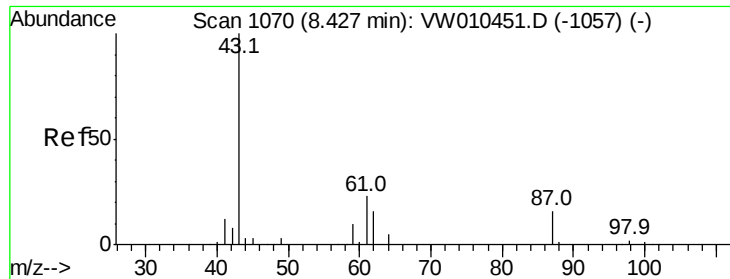
MMDadoda
5/29/2019 11:05:31 AM



#42
1,2-Dichloroethane
Concen: 19.795 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 17.678 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

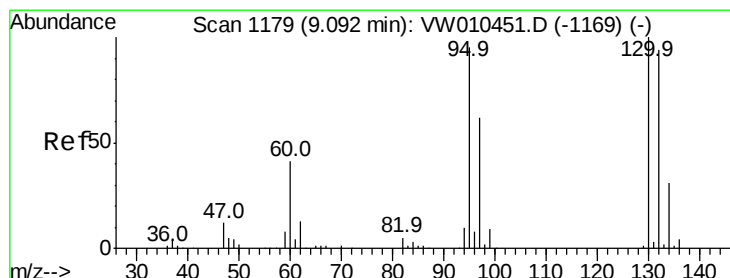
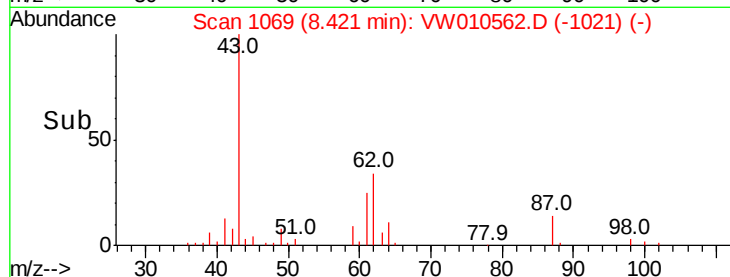
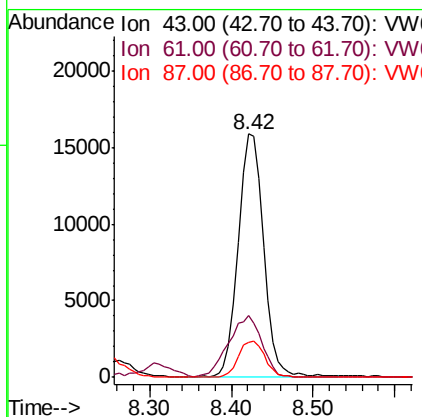
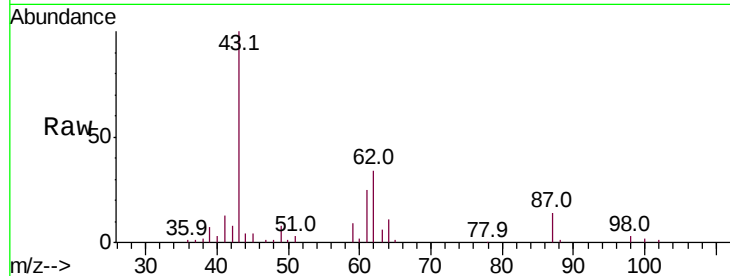
ClientSampleId :

VW0528SBS01

Tot Ion:	43	Resp:	34397
Ion Ratio	Lower	Upper	
43	100		
61	32.9	25.4	38.2
87	15.5	12.7	19.1

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#44

Trichloroethene

Concen: 21.432 ug/l

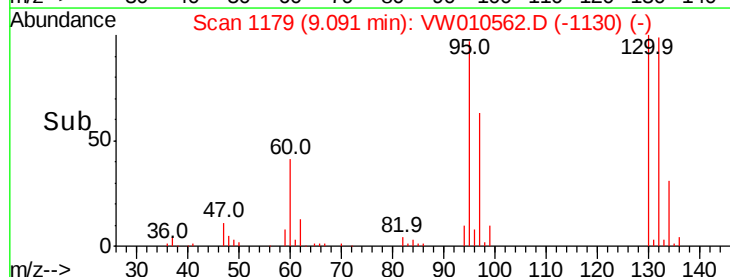
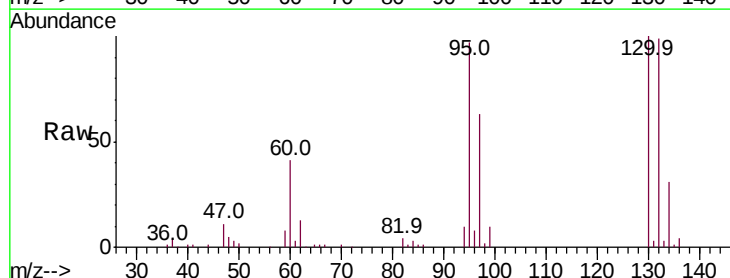
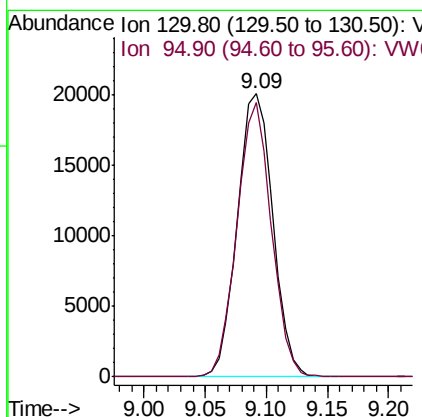
RT: 9.09 min Scan# 1179

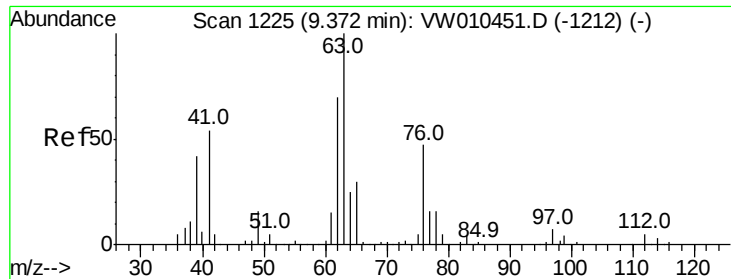
Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Tgt Ion:	130	Resp:	40503
Ion Ratio	Lower	Upper	
130	100		
95	97.2	0.0	189.6





#45

1,2-Dichloropropane

Concen: 20.372 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 63 Resp: 30799

Ion Ratio Lower Upper

63 100

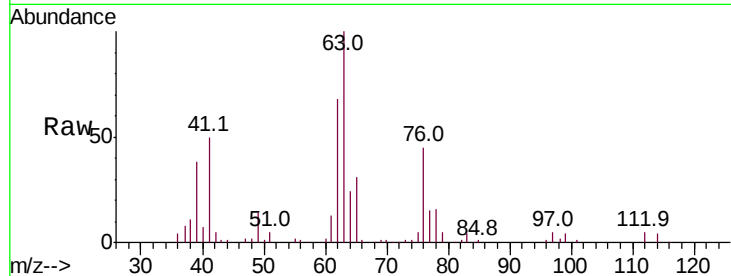
65 31.3 24.3 36.5

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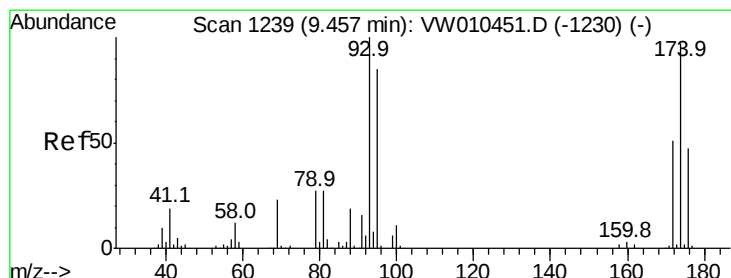
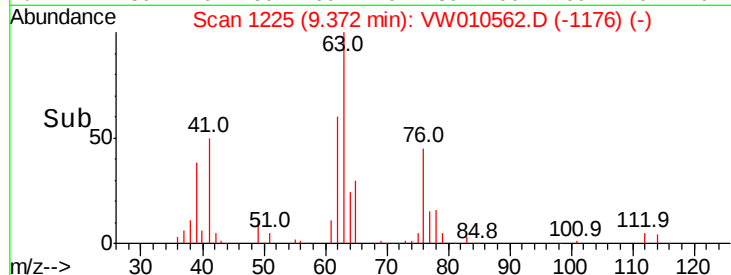
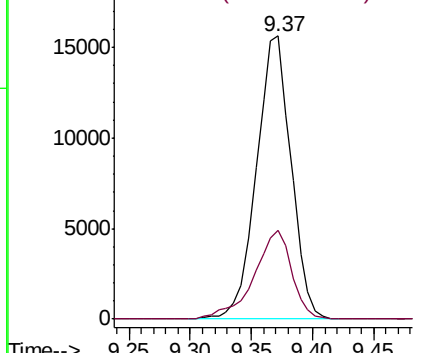
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 19.864 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

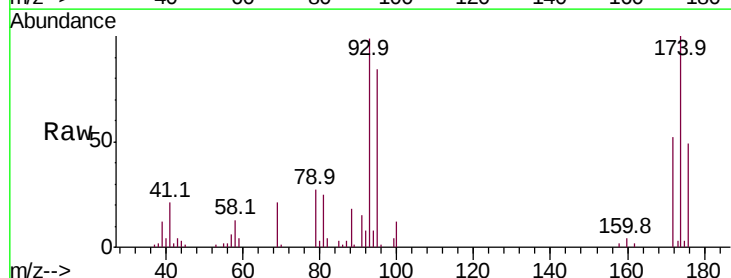
Tgt Ion: 93 Resp: 17563

Ion Ratio Lower Upper

93 100

95 83.1 66.1 99.1

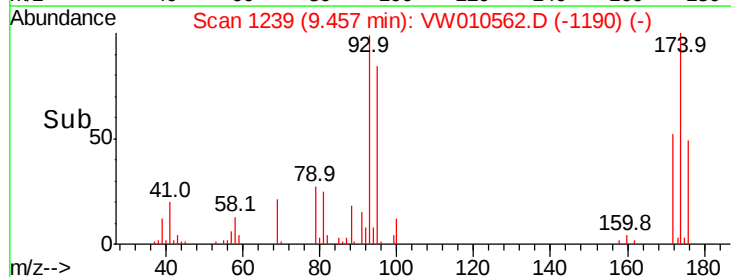
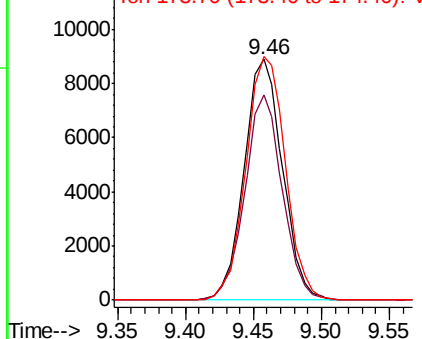
174 104.1 77.1 115.7

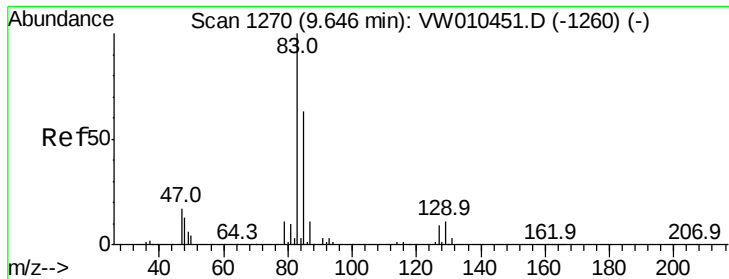


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





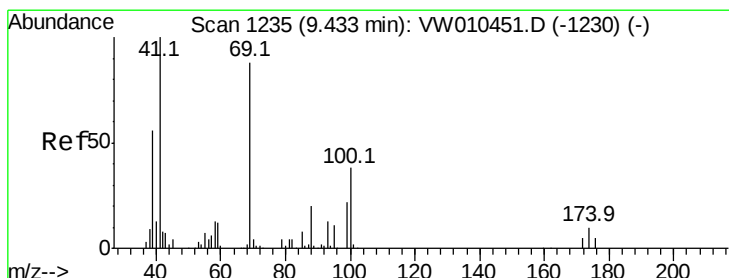
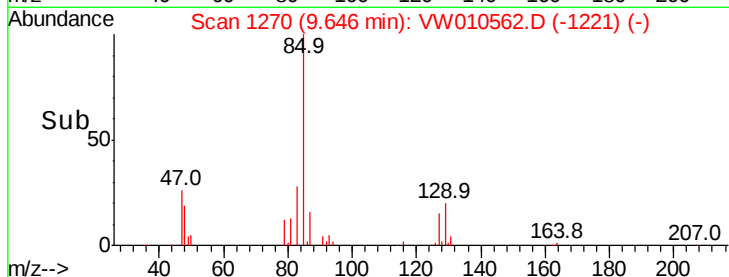
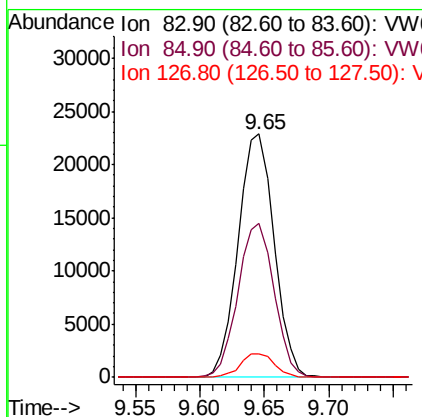
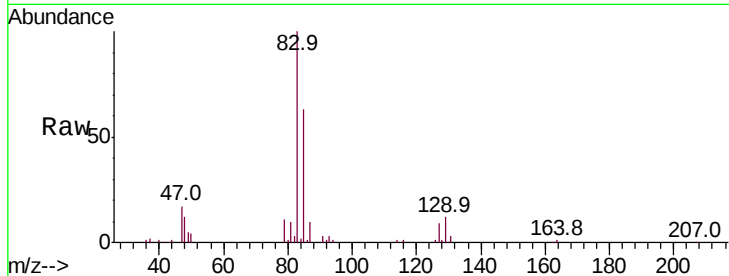
#47
 Bromodichloromethane
 Concen: 19.961 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion	83	Resp	44351
Ion Ratio	100		
85	63.1	50.4	75.6
127	9.4	7.4	11.0

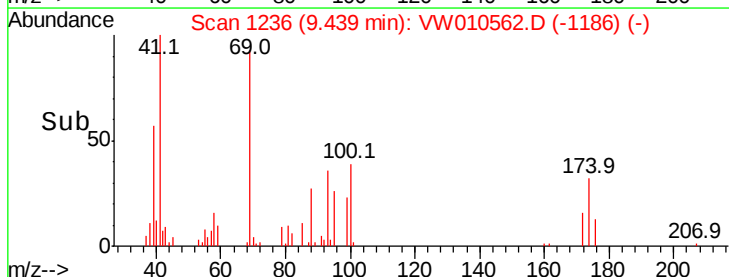
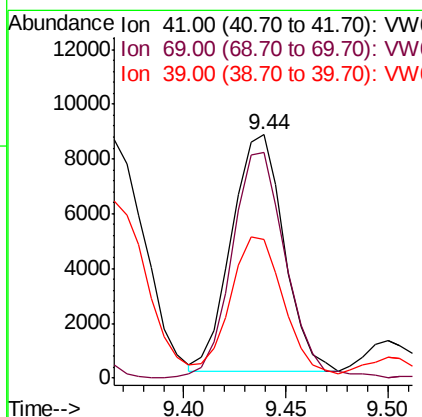
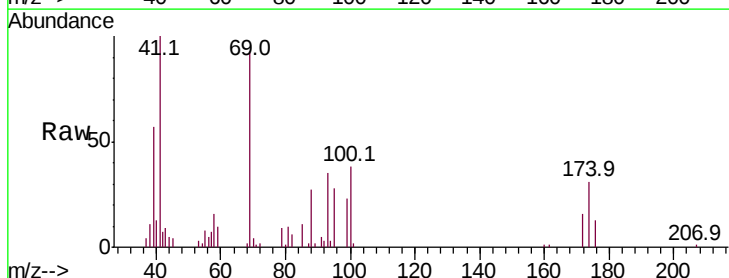
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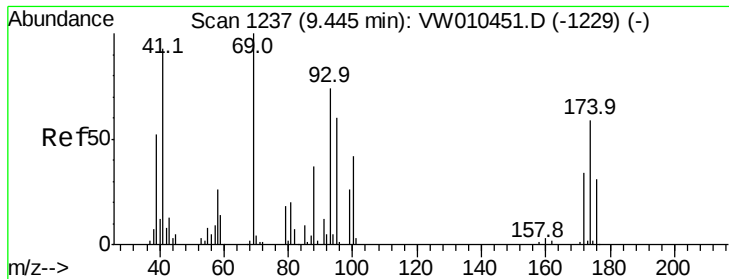
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#48
 Methyl methacrylate
 Concen: 17.346 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion	41	Resp	15440
Ion Ratio	100		
69	98.3	77.6	116.4
39	58.3	49.8	74.8





#49

1,4-Dioxane

Concen: 350.684 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

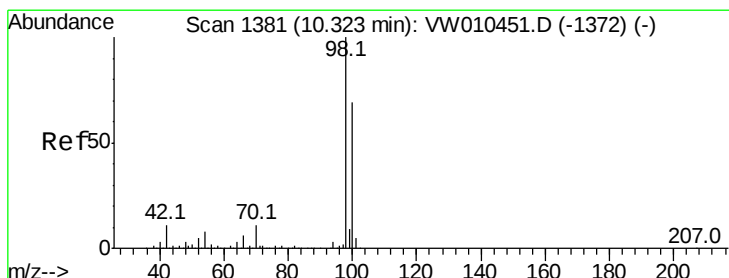
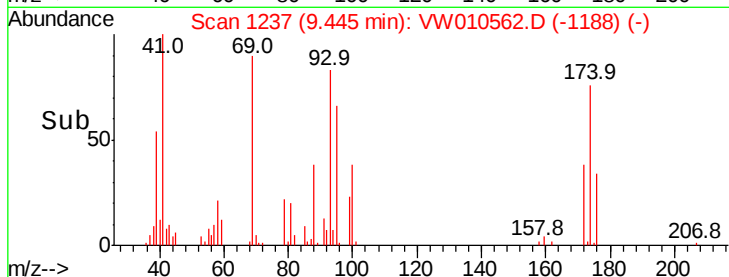
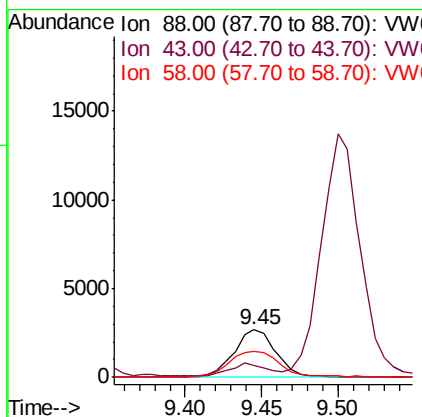
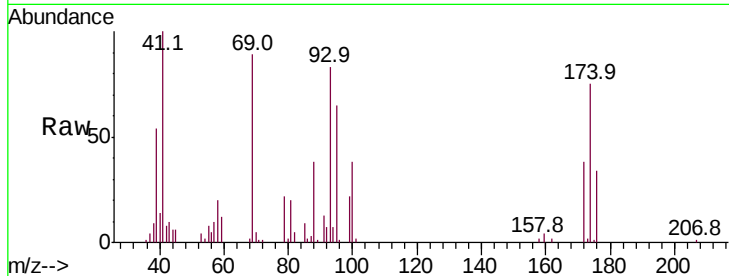
ClientSampleId :

VW0528SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.1	25.9	38.9#
58	68.4	52.7	79.1

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#50

Toluene-d8

Concen: 53.684 ug/l

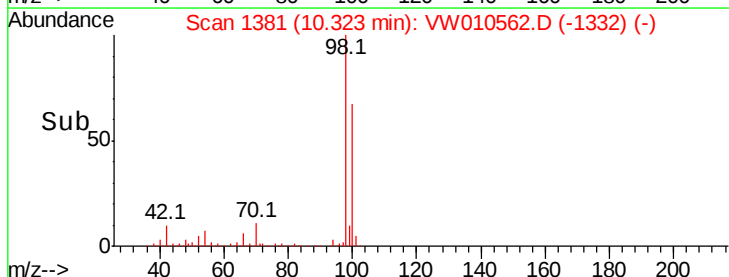
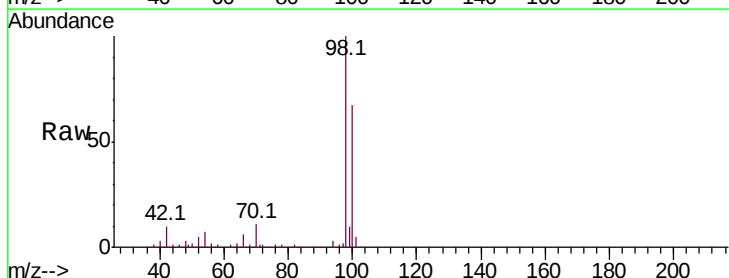
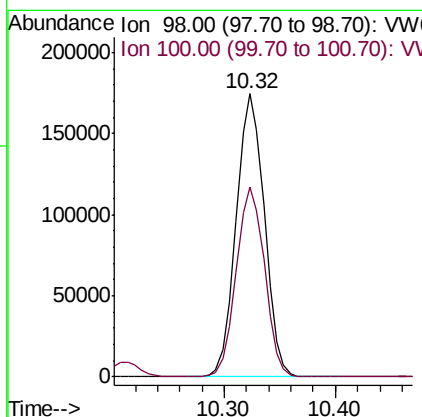
RT: 10.32 min Scan# 1381

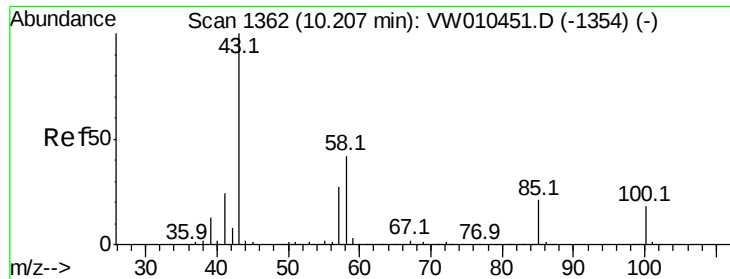
Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 84.910 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampled :

VW0528SBS01

Tot Ion: 43 Resp: 83716

Ion Ratio Lower Upper

43 100

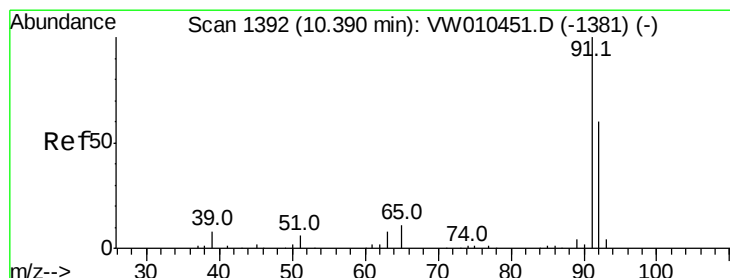
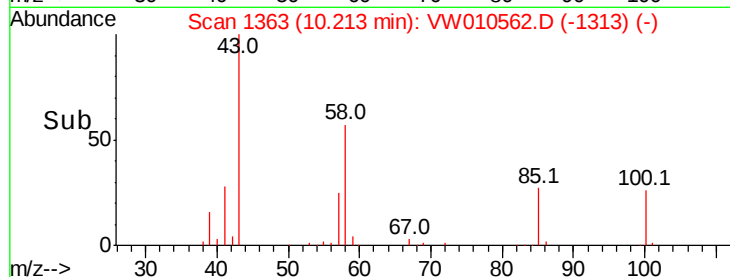
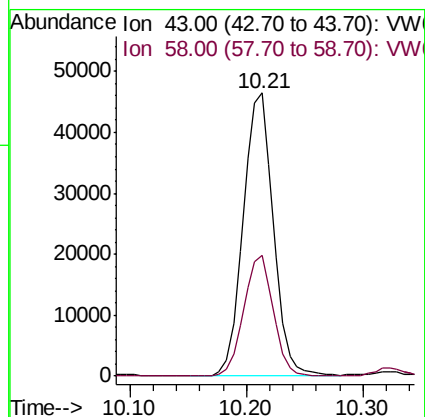
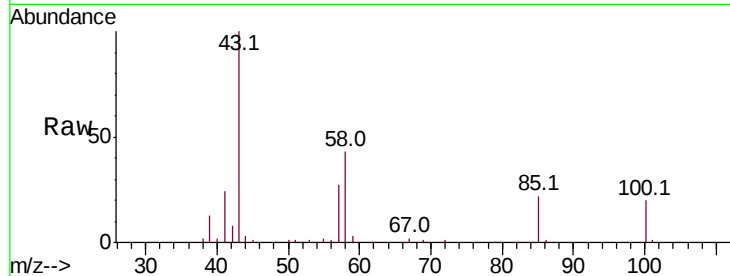
58 42.0 33.2 49.8

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#52

Toluene

Concen: 20.988 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010562.D

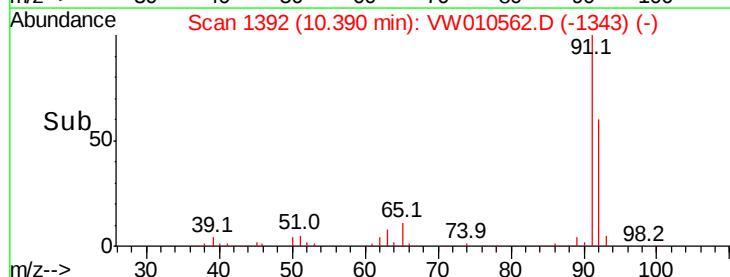
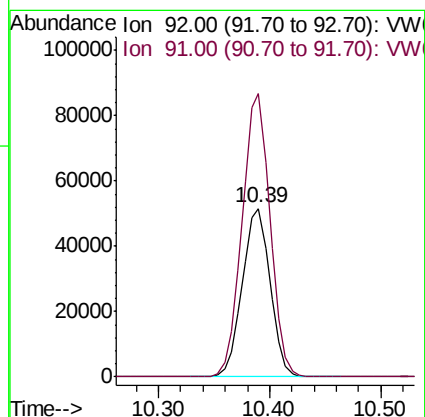
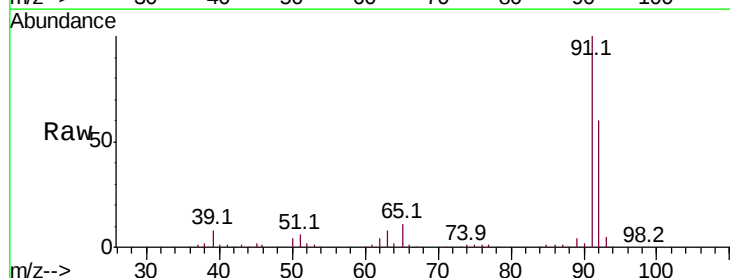
Acq: 28 May 2019 12:56

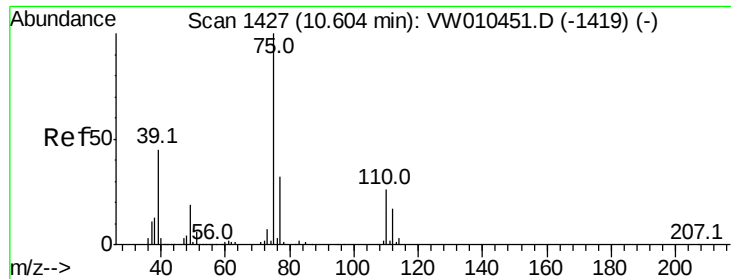
Tgt Ion: 92 Resp: 89723

Ion Ratio Lower Upper

92 100

91 168.6 135.4 203.0





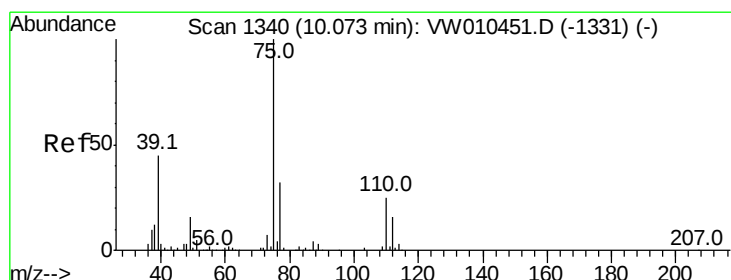
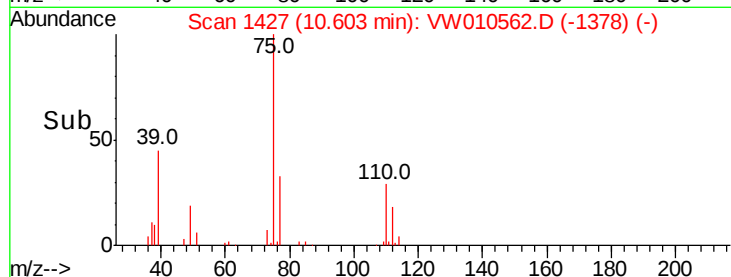
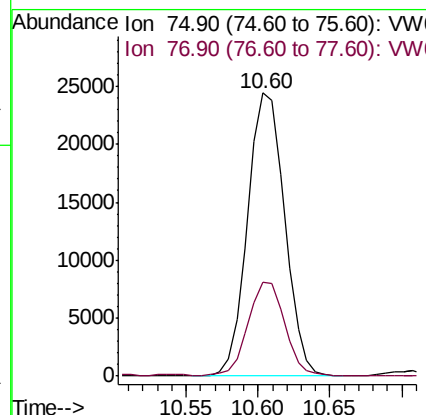
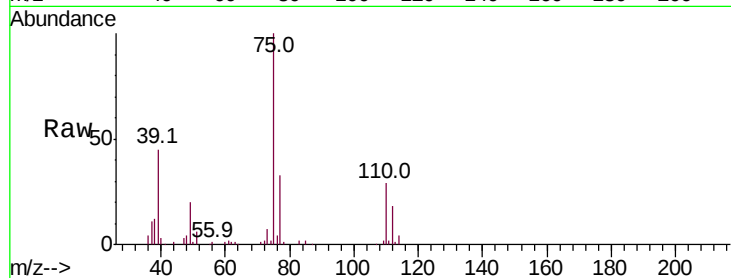
#53
 t-1,3-Dichloropropene
 Concen: 19.359 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion: 75 Resp: 43562
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.0

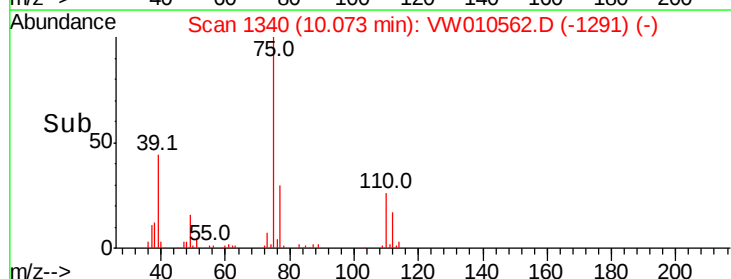
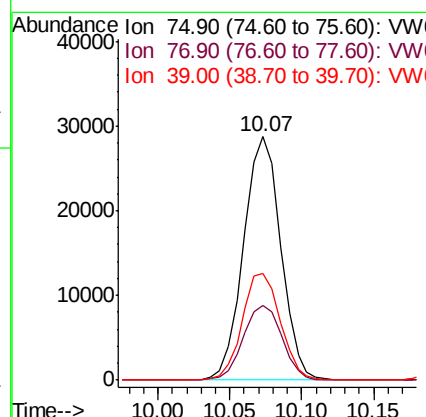
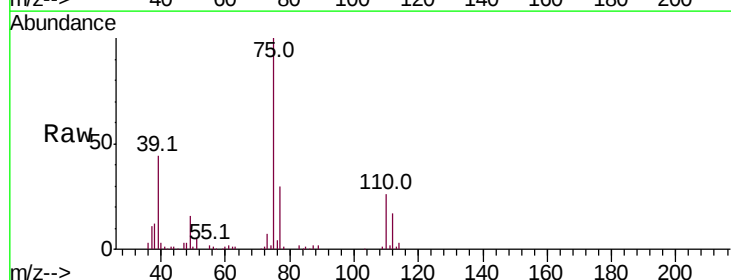
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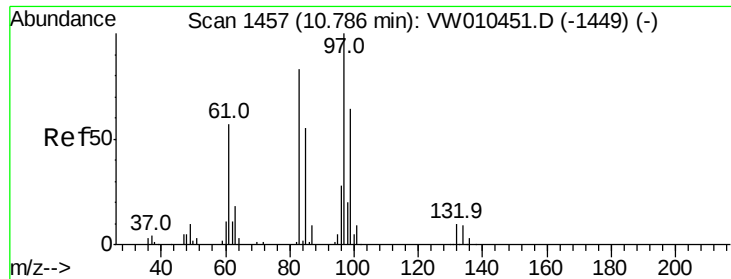
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.995 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion: 75 Resp: 51386
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.7 38.5
 39 44.0 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 19.682 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

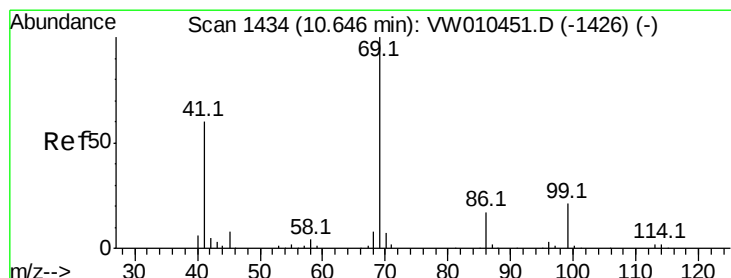
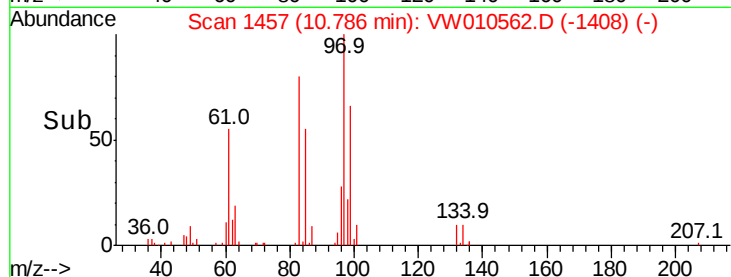
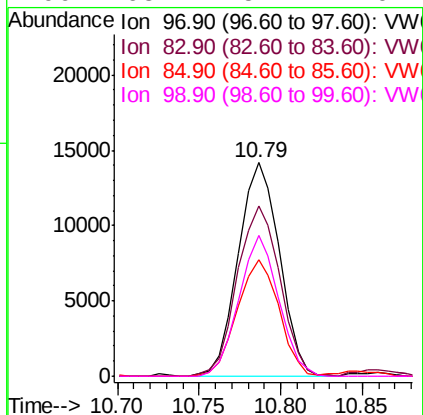
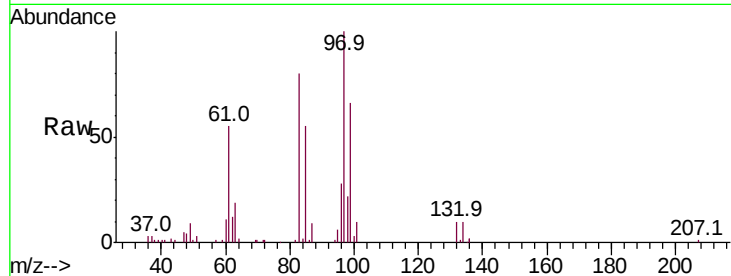
ClientSampleId :

VW0528SBS01

Tot Ion:	97	Resp:	25024
Ion	Ratio	Lower	Upper
97	100		
83	79.6	66.1	99.1
85	54.7	44.2	66.4
99	65.7	51.1	76.7

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#56

Ethyl methacrylate

Concen: 17.746 ug/l

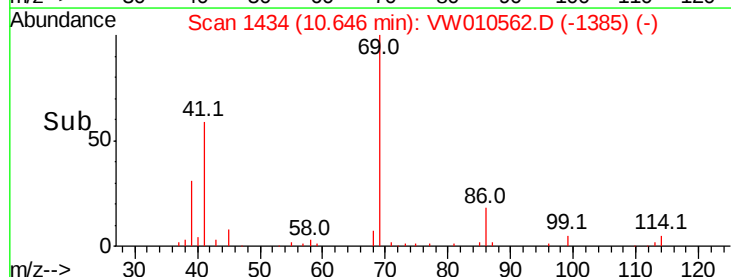
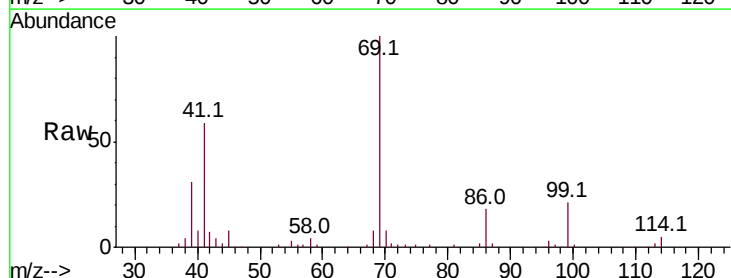
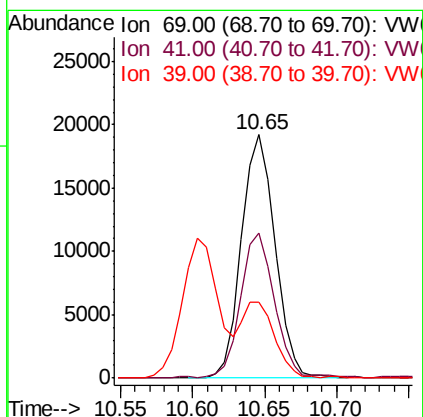
RT: 10.65 min Scan# 1434

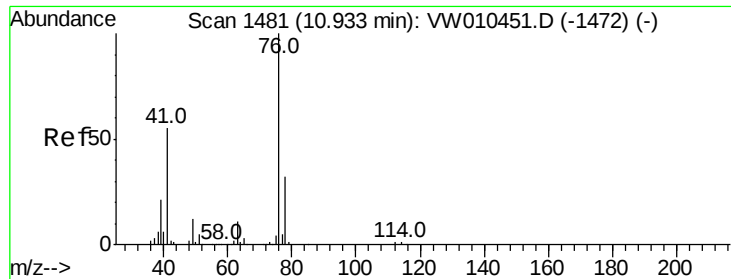
Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Tgt Ion:	69	Resp:	31117
Ion	Ratio	Lower	Upper
69	100		
41	61.3	47.7	71.5
39	30.3	25.3	37.9





#57

1,3-Dichloropropane

Concen: 19.782 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 76 Resp: 42131

Ion Ratio Lower Upper

76 100

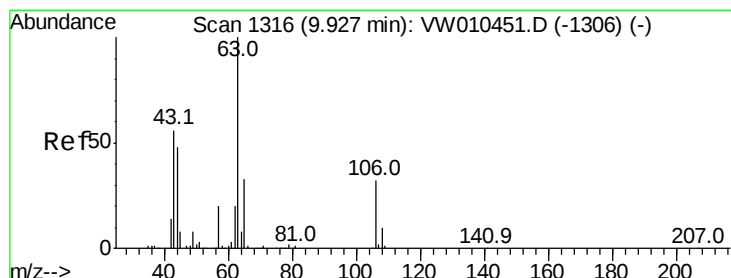
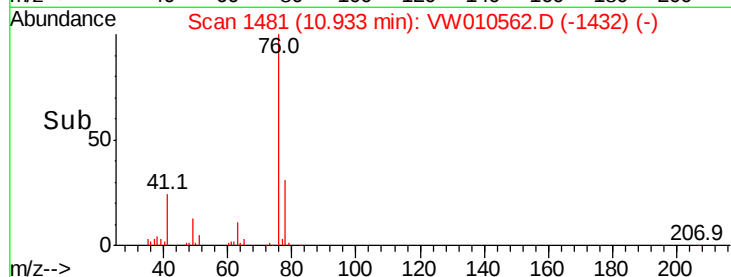
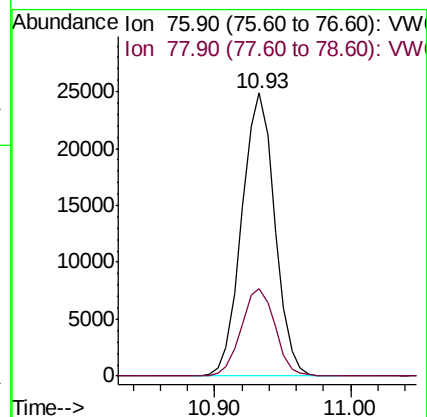
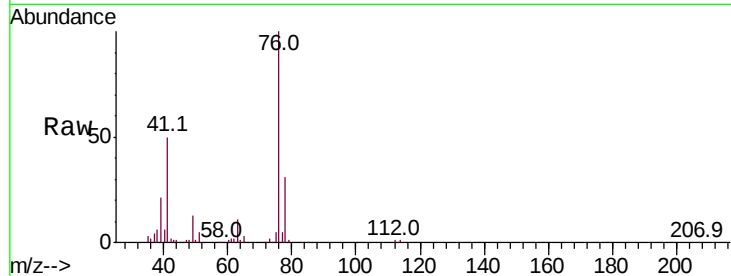
78 31.8 26.2 39.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 86.361 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW010562.D

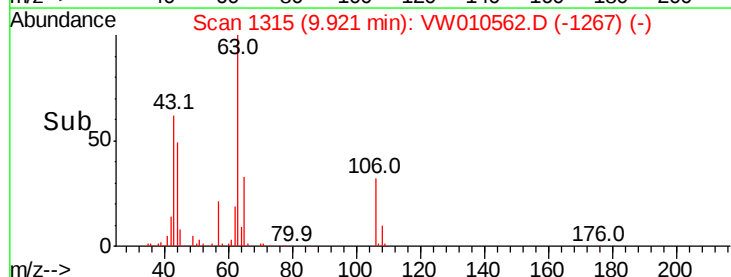
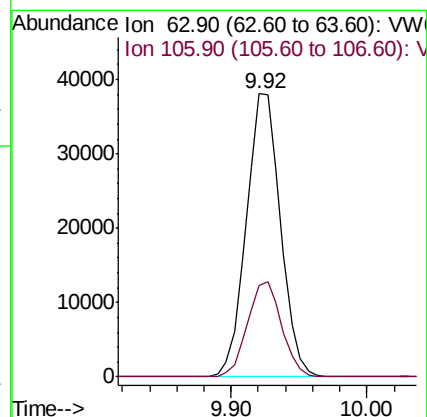
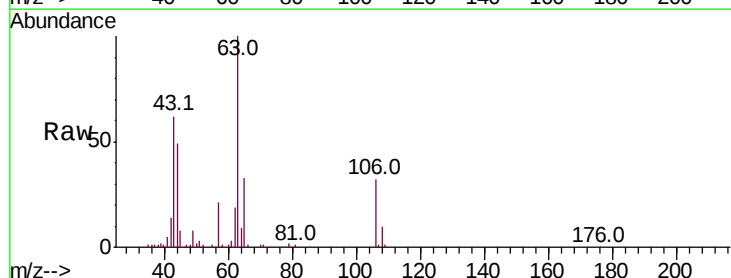
Acq: 28 May 2019 12:56

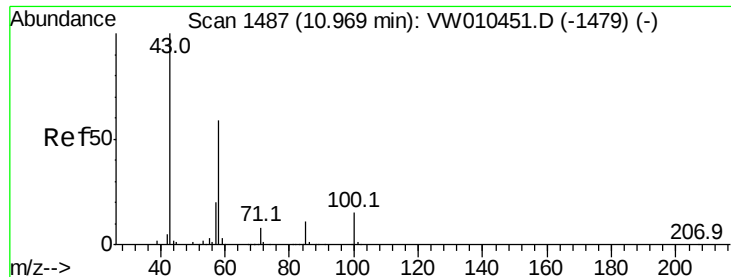
Tgt Ion: 63 Resp: 67075

Ion Ratio Lower Upper

63 100

106 33.6 25.8 38.6





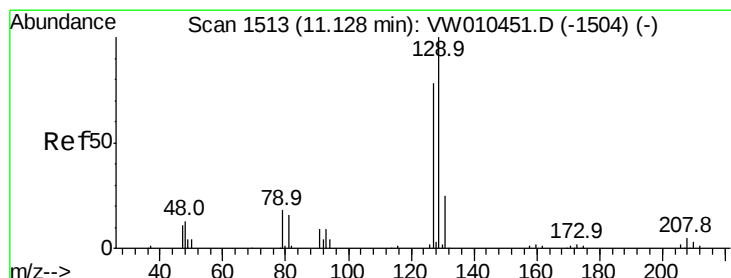
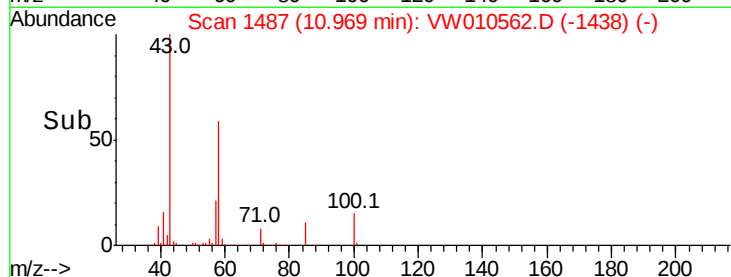
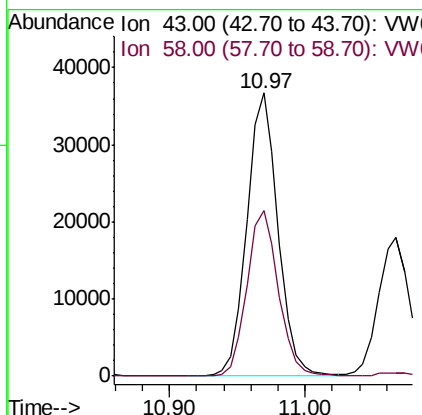
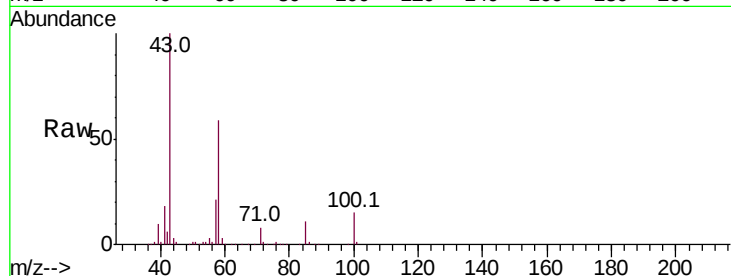
#59
2-Hexanone
Concen: 83.560 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion: 43 Resp: 58769
Ion Ratio Lower Upper
43 100
58 59.3 28.9 86.8

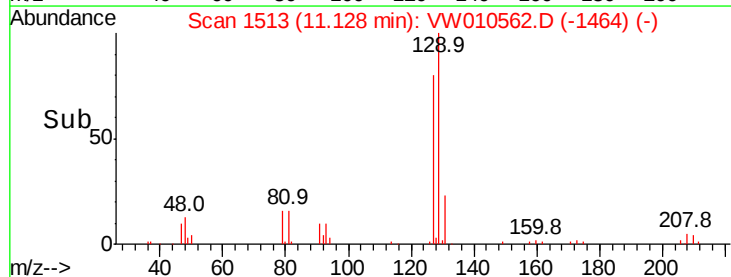
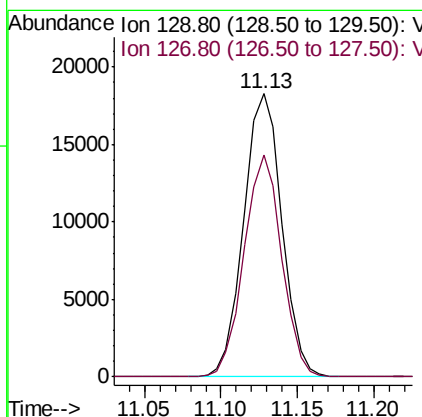
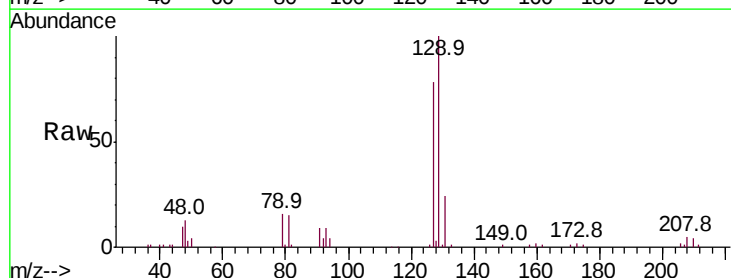
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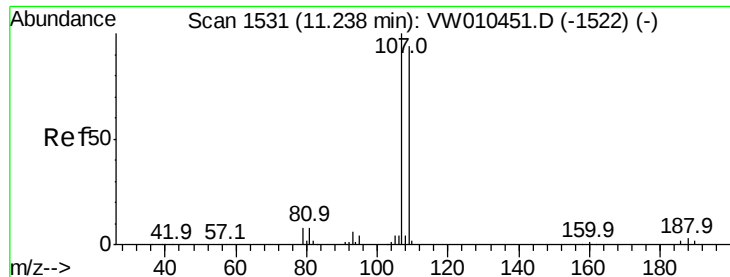
MMDadoda
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#60
Dibromochloromethane
Concen: 19.731 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion: 129 Resp: 31750
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.288 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion:107 Resp: 24842

Ion Ratio Lower Upper

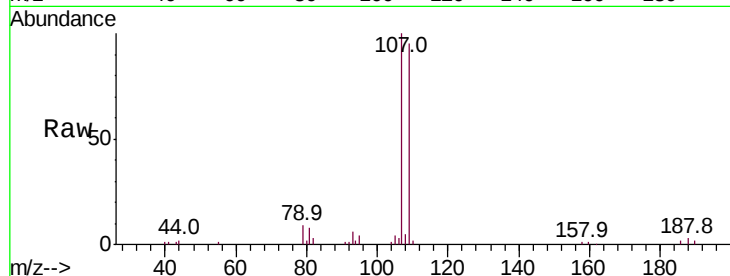
107 100

109 97.0 75.0 112.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

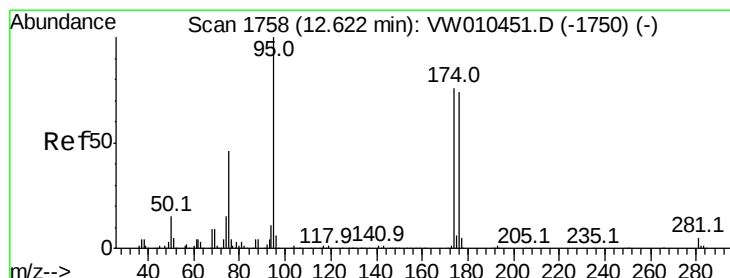
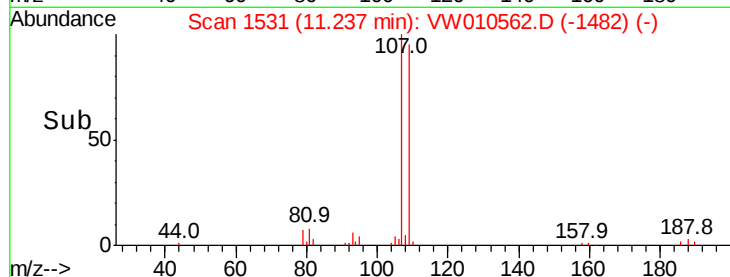
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 51.030 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

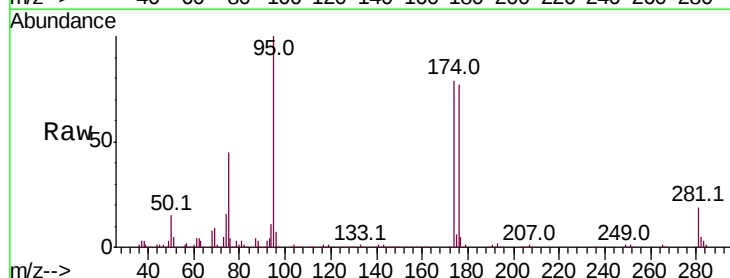
Tgt Ion: 95 Resp: 115840

Ion Ratio Lower Upper

95 100

174 78.6 0.0 148.6

176 76.7 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

80000

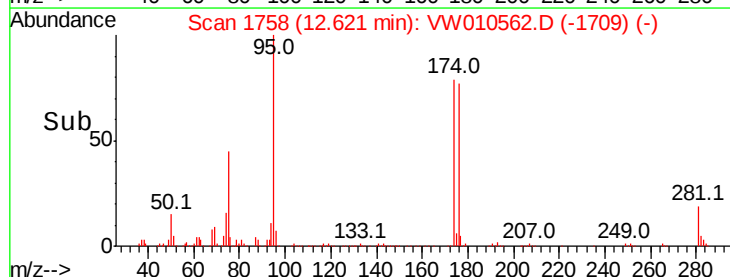
60000

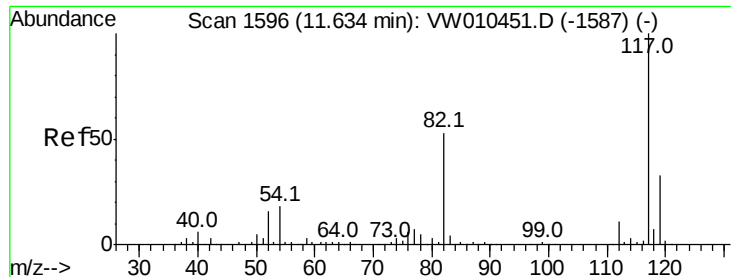
40000

20000

0

Time--> 12.55 12.60 12.65 12.70





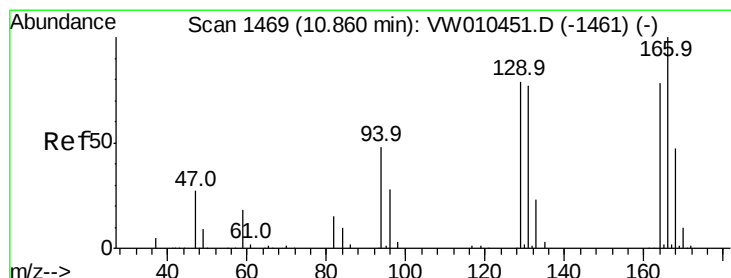
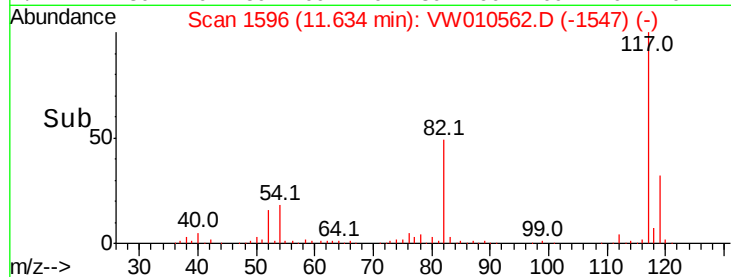
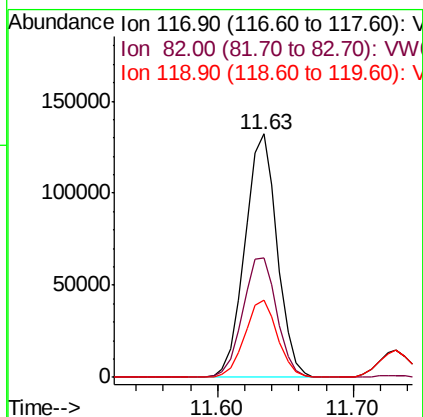
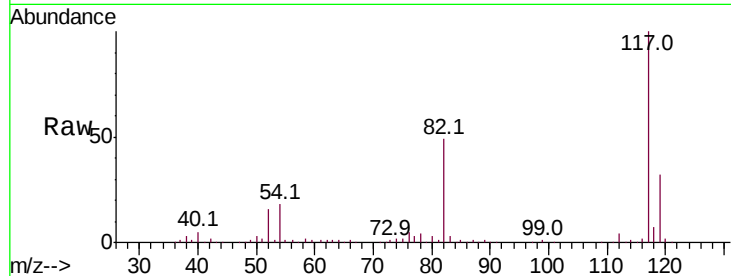
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	219407		
82	49.3		42.8	64.2
119	32.0		26.3	39.5

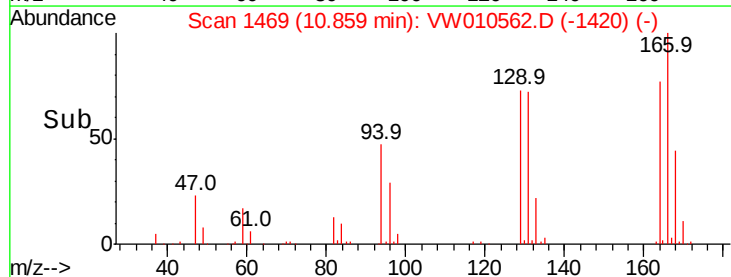
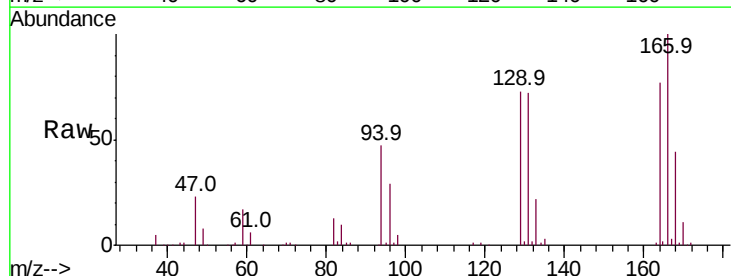
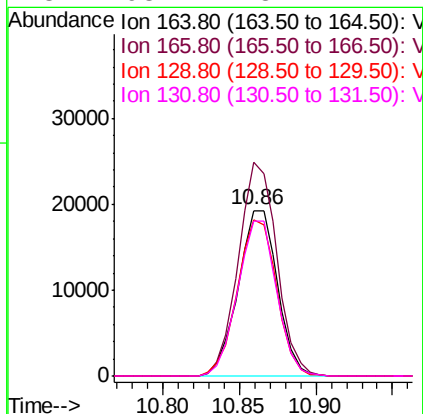
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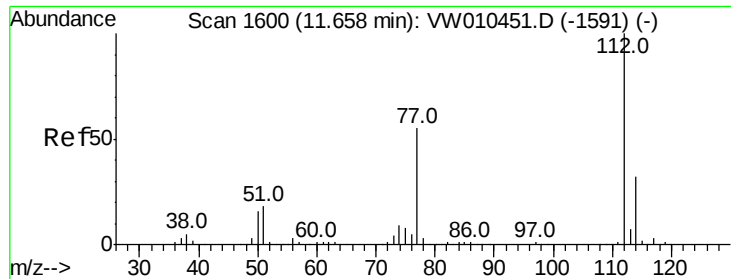
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#64
Tetrachloroethene
Concen: 22.468 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34364		
166	129.3		101.9	152.9
129	94.6		80.6	121.0
131	93.7		78.2	117.2





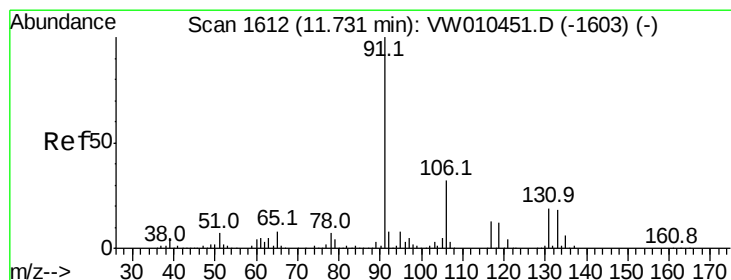
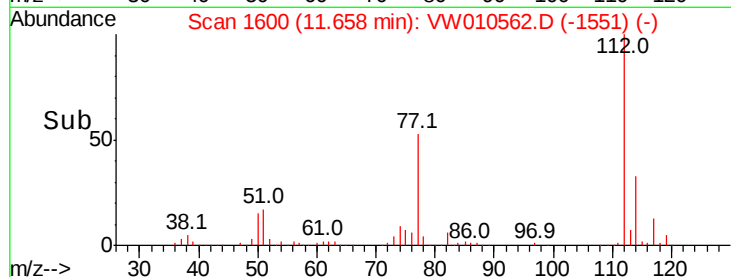
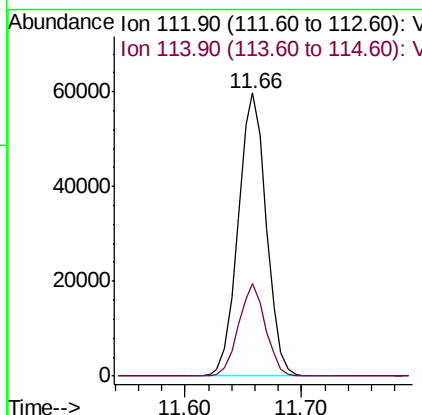
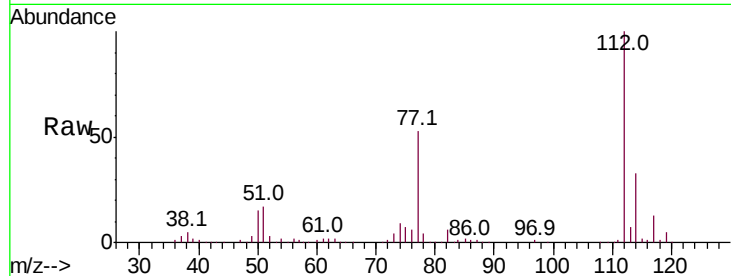
#65
Chlorobenzene
Concen: 21.453 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion:112 Resp: 100315
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9

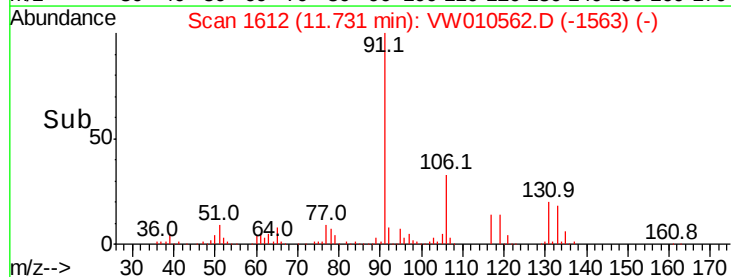
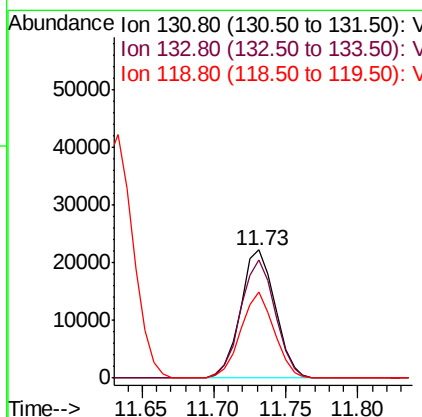
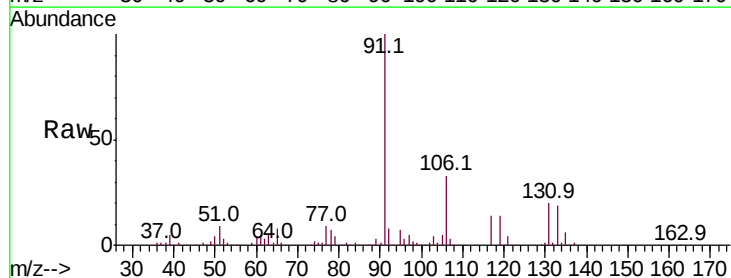
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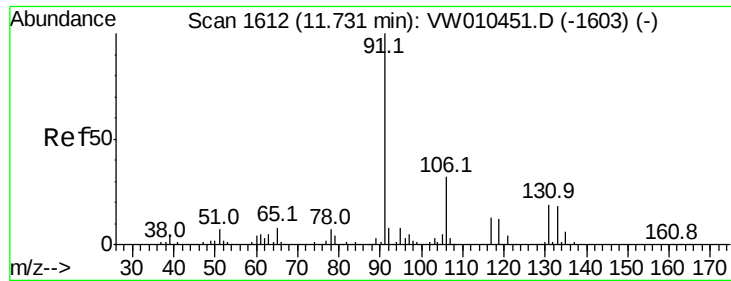
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.126 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion:131 Resp: 37063
Ion Ratio Lower Upper
131 100
133 92.4 47.3 141.9
119 64.3 32.1 96.5





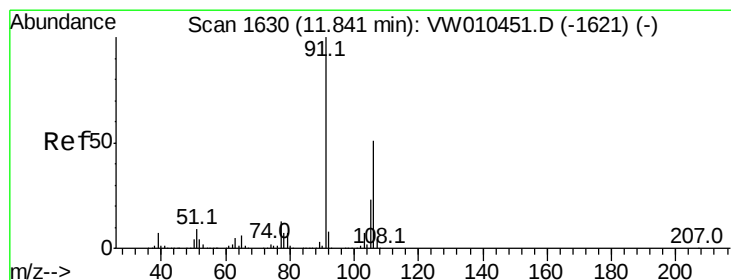
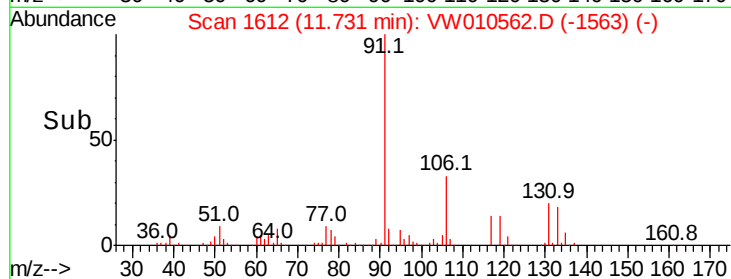
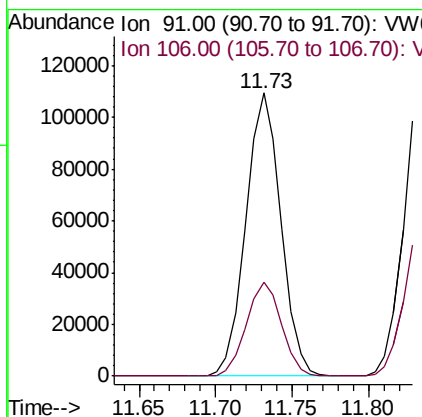
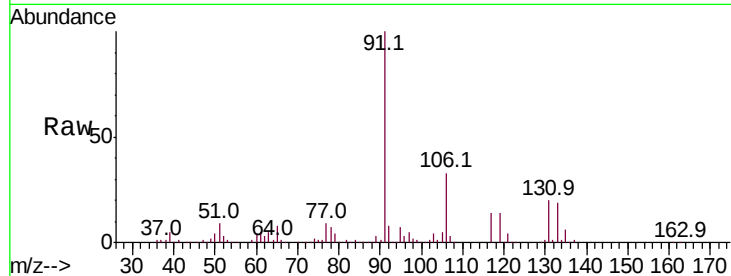
#67
Ethyl Benzene
Concen: 21.044 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.1	25.9	38.9

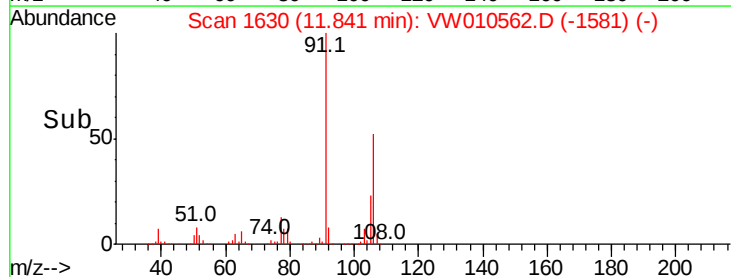
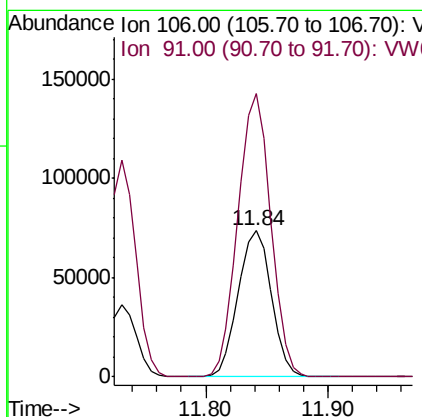
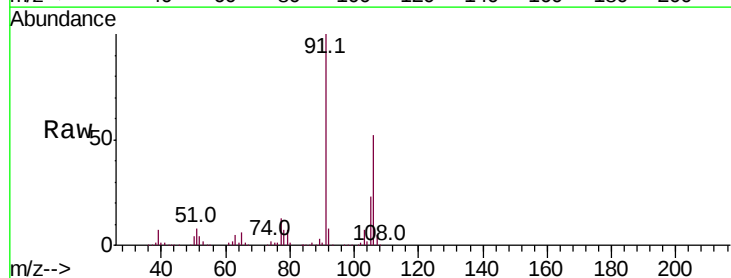
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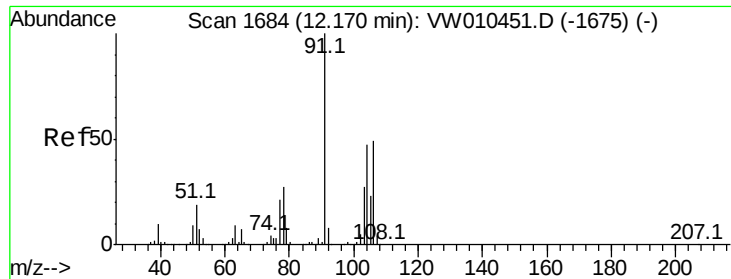
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5/29/2019 11:05:31 AM



#68
m/p-Xylenes
Concen: 43.013 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	191.5	156.0	234.0





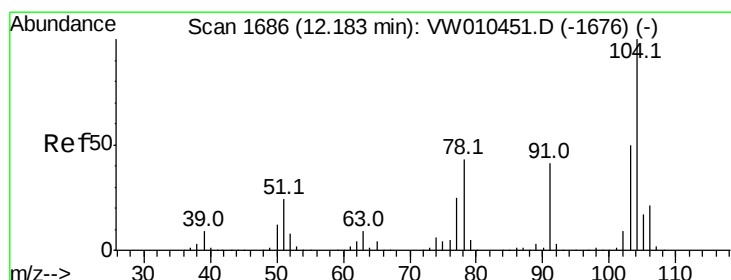
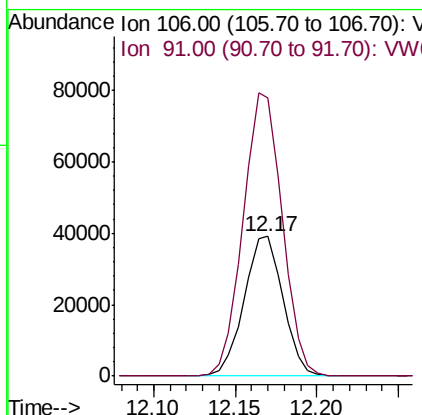
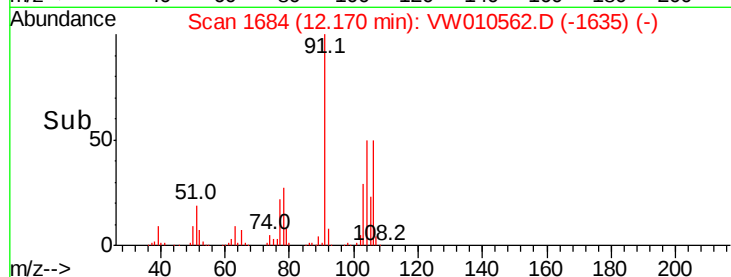
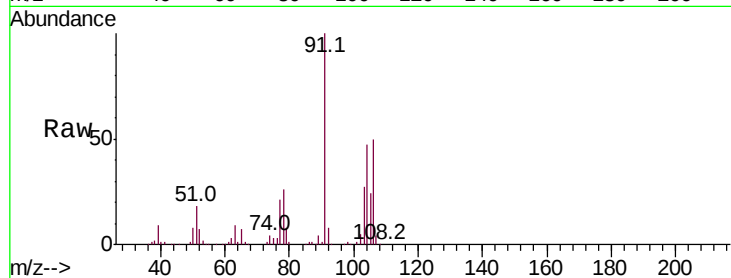
#69
o-Xylene
Concen: 21.191 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion:106 Resp: 65015
Ion Ratio Lower Upper
106 100
91 203.7 103.2 309.4

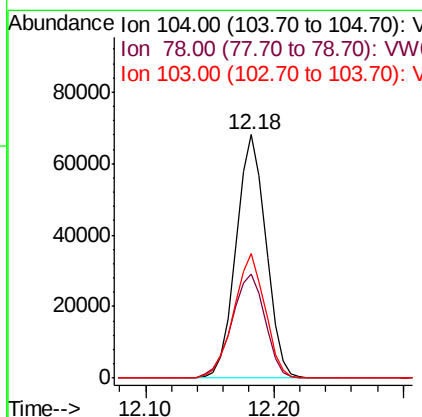
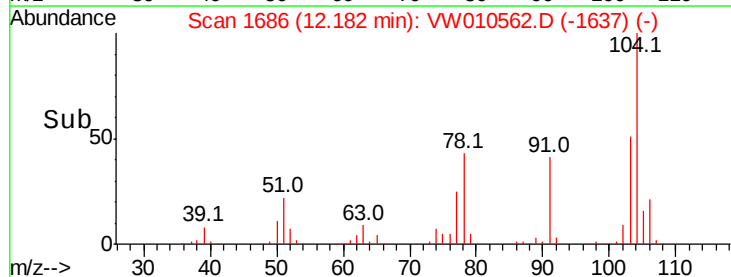
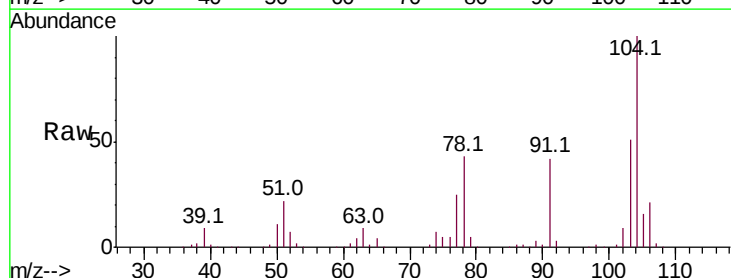
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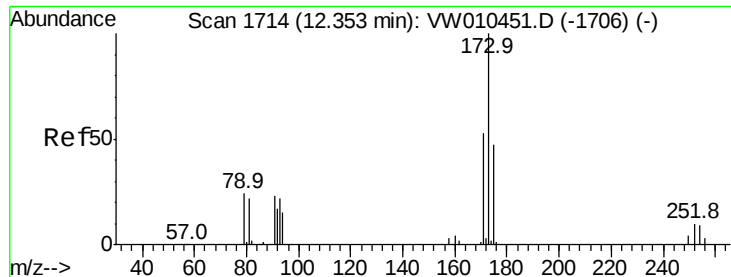
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#70
Styrene
Concen: 21.056 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion:104 Resp: 109610
Ion Ratio Lower Upper
104 100
78 47.8 39.0 58.4
103 53.6 43.0 64.6





#71

Bromoform

Concen: 19.199 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

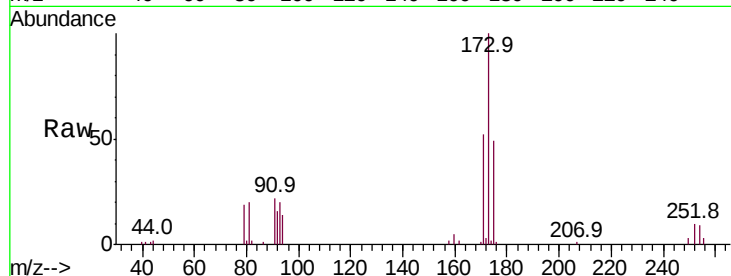
ClientSampled :

VW0528SBS01

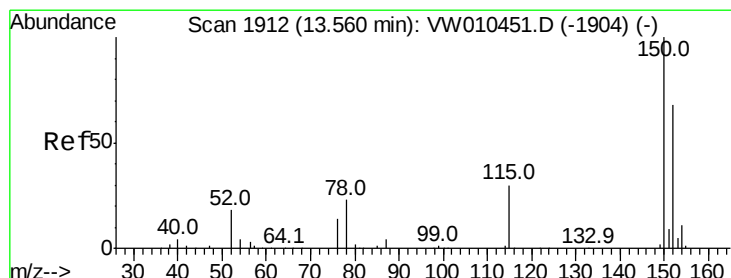
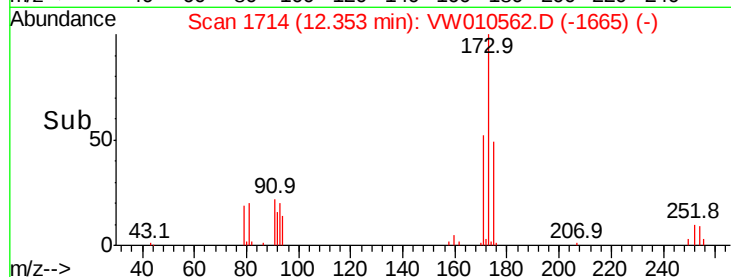
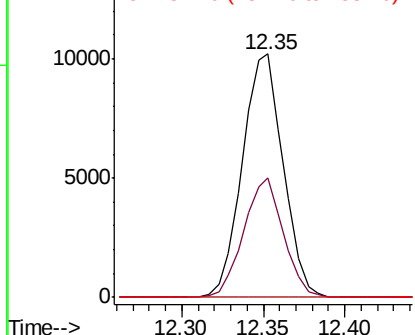
Tot Ion:	173	Resp:	17710
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.4	73.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

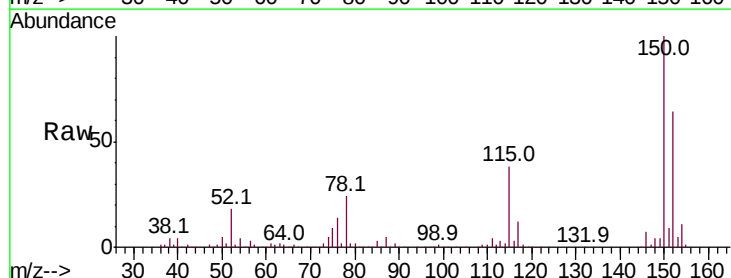
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

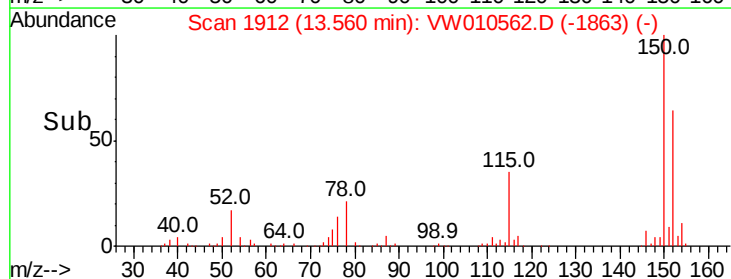
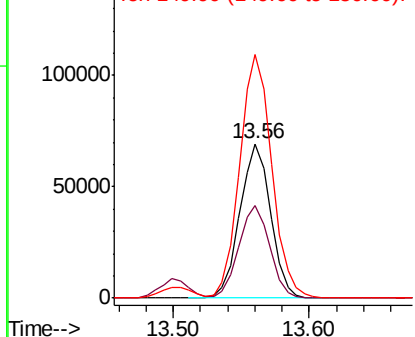
Lab File: VW010562.D

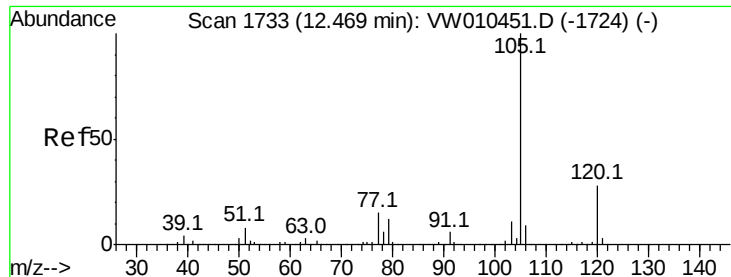
Acq: 28 May 2019 12:56

Tgt Ion:	152	Resp:	109096
Ion Ratio	Lower	Upper	
152	100		
115	60.1	30.3	91.0
150	164.9	0.0	349.8



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





#73

Isopropylbenzene

Concen: 20.733 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 105 Resp: 179490

Ion Ratio Lower Upper

105 100

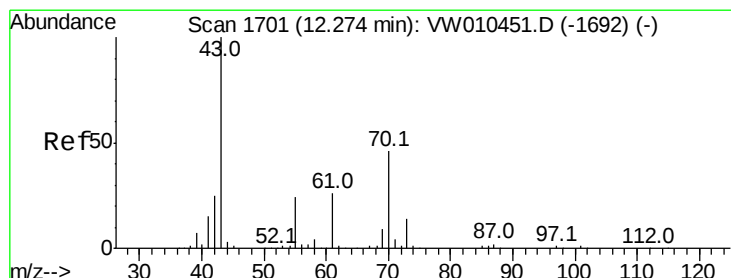
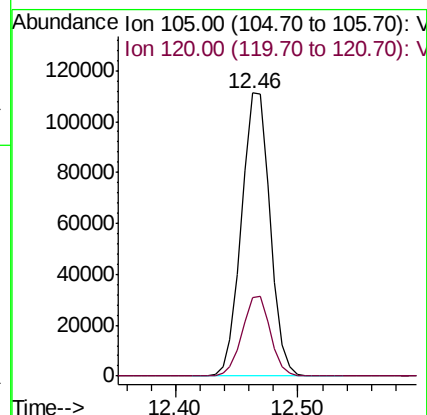
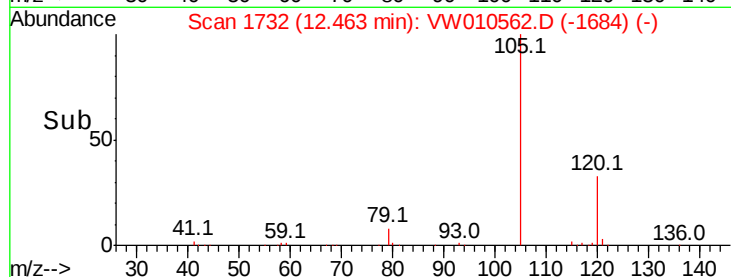
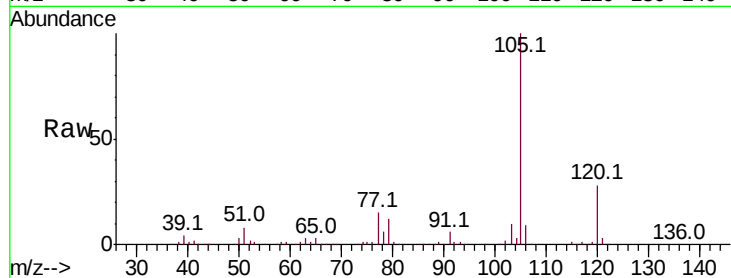
120 27.8 13.9 41.7

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#74

N-ethyl acetate

Concen: 16.228 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Tgt Ion: 43 Resp: 32193

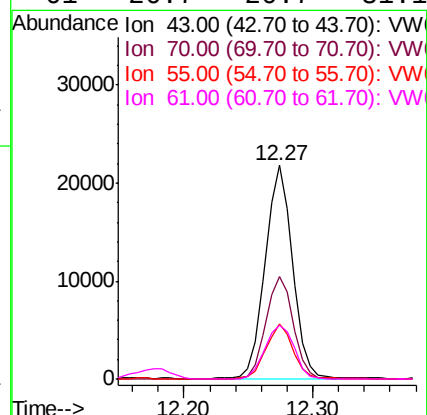
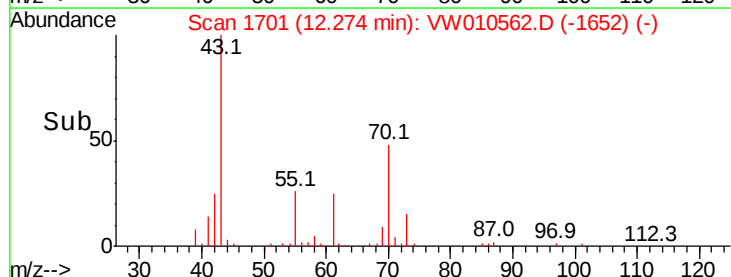
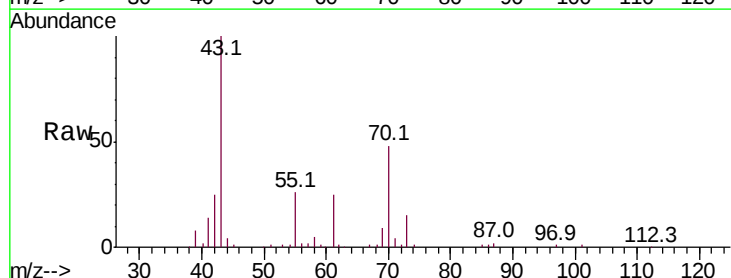
Ion Ratio Lower Upper

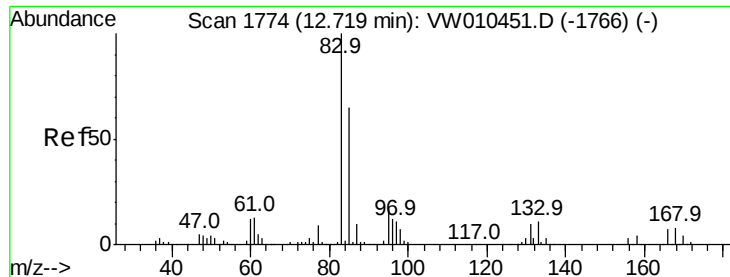
43 100

70 48.0 37.1 55.7

55 25.6 19.6 29.4

61 26.7 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 16.996 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

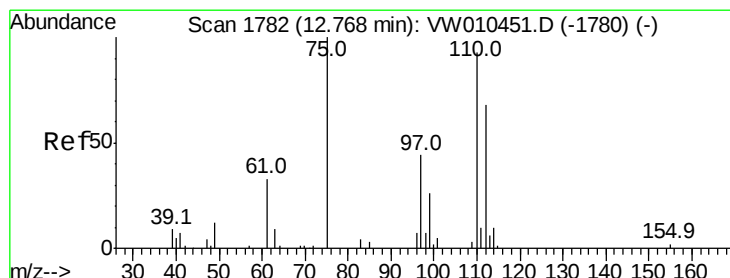
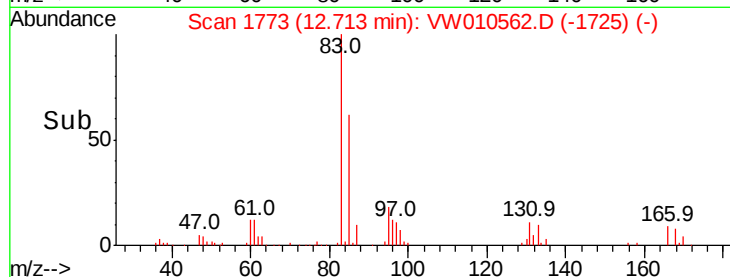
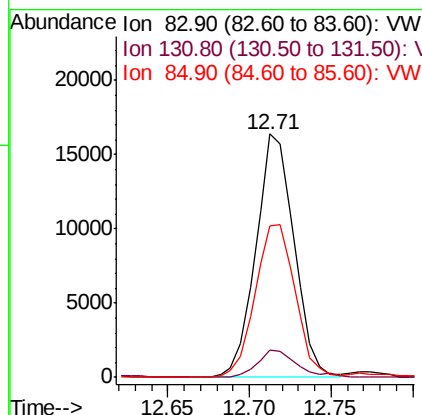
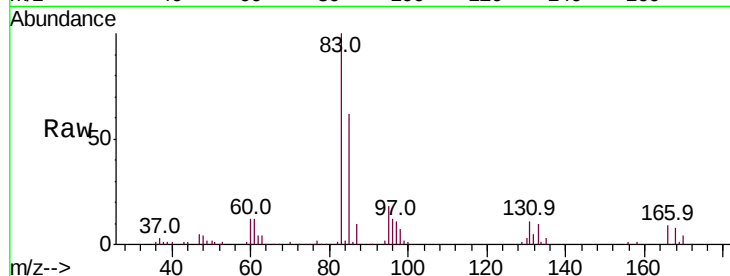
ClientSampleId :

VW0528SBS01

Tot Ion:	83	Resp:	26763
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.6	16.8
85	65.7	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 16.896 ug/l m

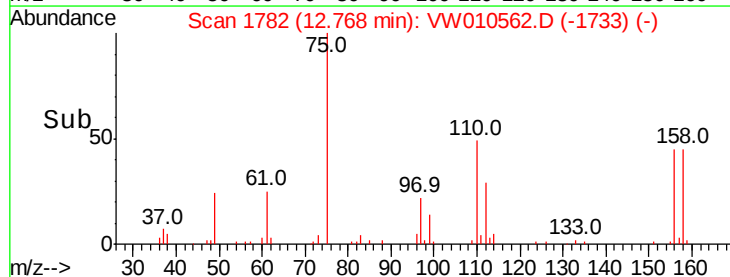
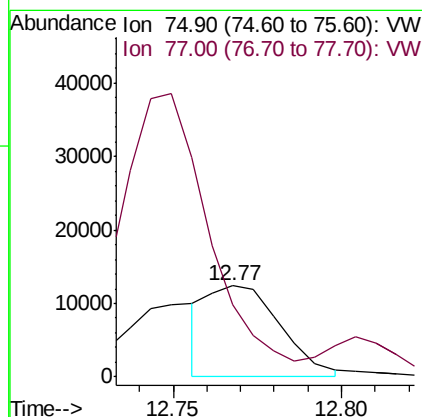
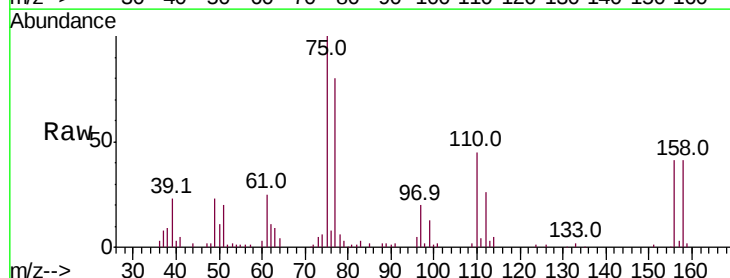
RT: 12.77 min Scan# 1782

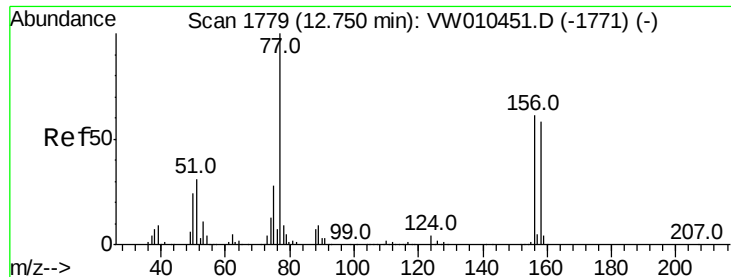
Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Tgt Ion:	75	Resp:	18711
Ion Ratio	Lower	Upper	
75	100		
77	383.9	170.0	510.1





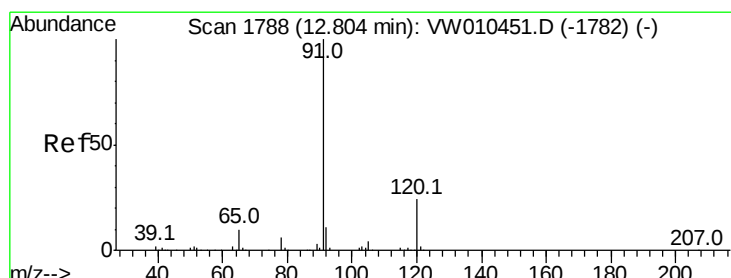
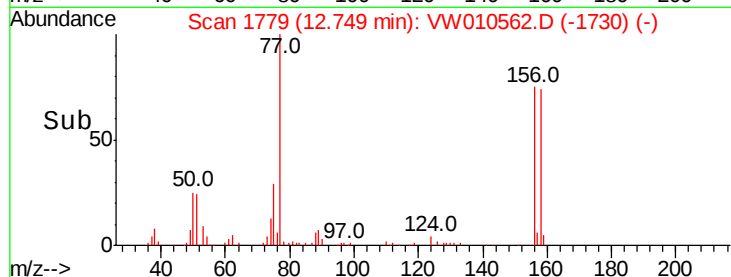
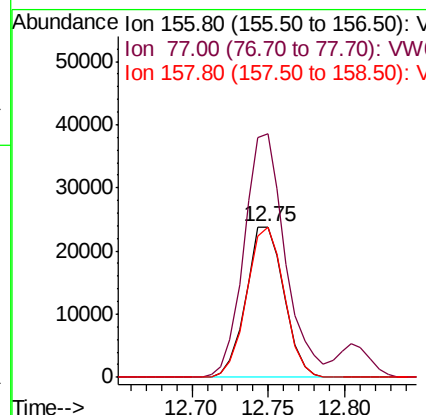
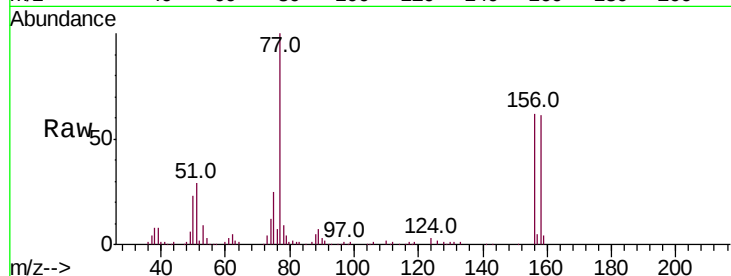
#77
Bromobenzene
Concen: 21.186 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampled :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.0	92.4	277.2
158	98.3	48.3	144.8

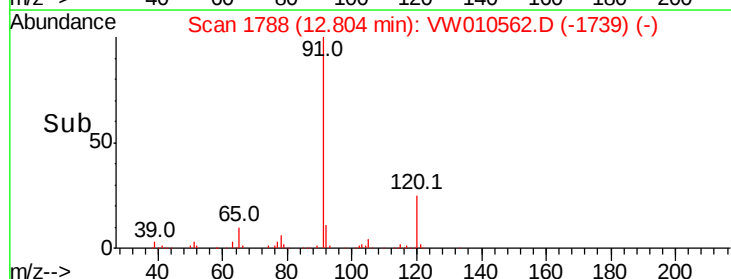
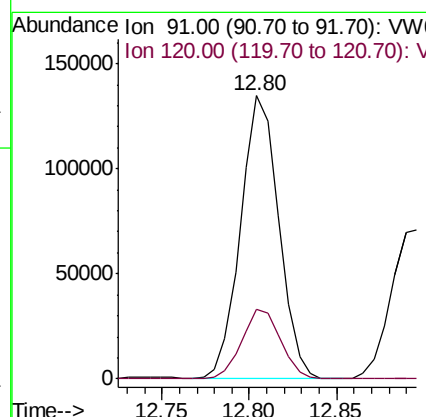
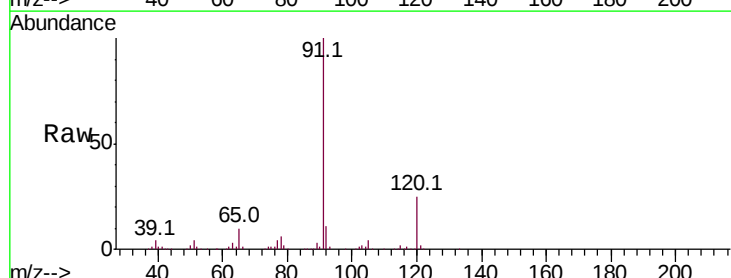
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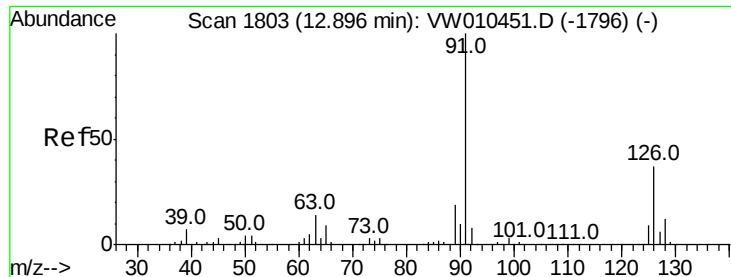
MMDadoda
5/29/2019 11:05:31 AM



#78
n-propylbenzene
Concen: 20.266 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8





#79

2-Chlorotoluene

Concen: 20.249 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 91 Resp: 118470

Ion Ratio Lower Upper

91 100

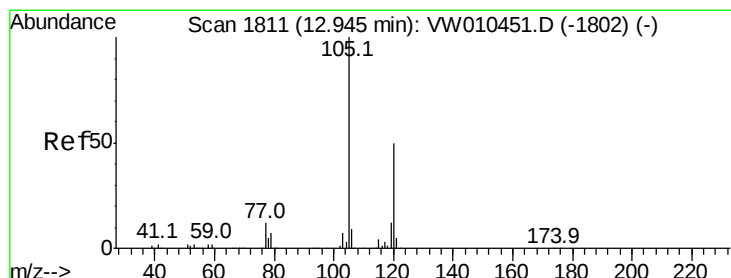
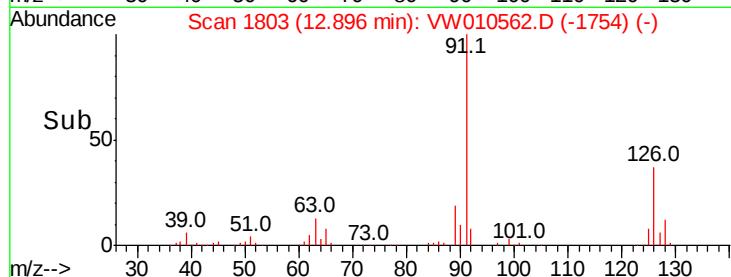
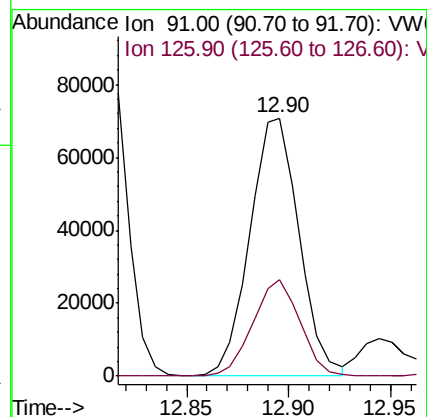
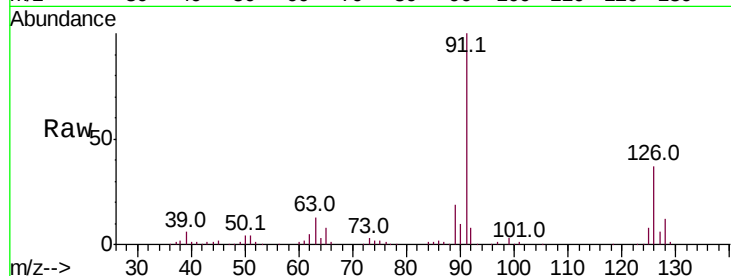
126 35.9 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.580 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010562.D

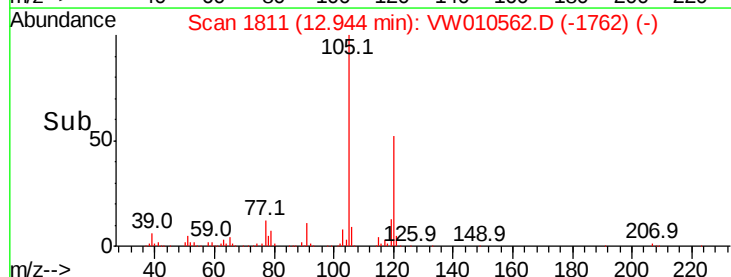
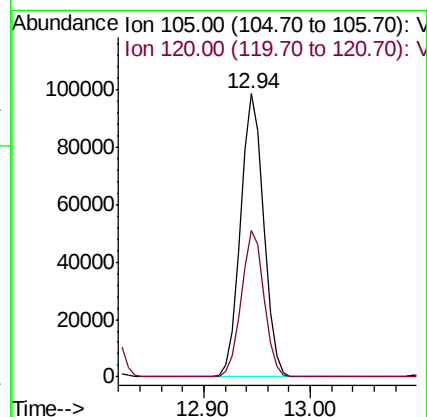
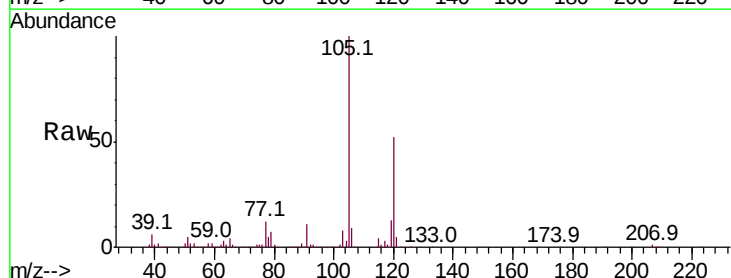
Acq: 28 May 2019 12:56

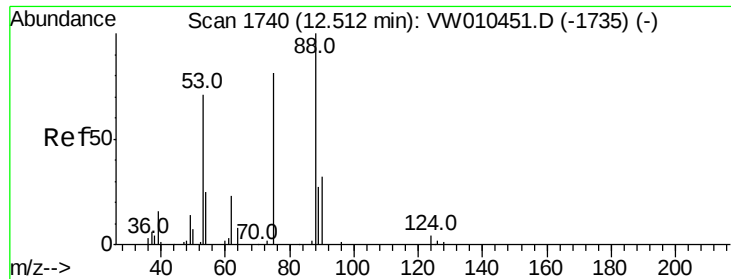
Tgt Ion:105 Resp: 150892

Ion Ratio Lower Upper

105 100

120 50.6 25.2 75.6





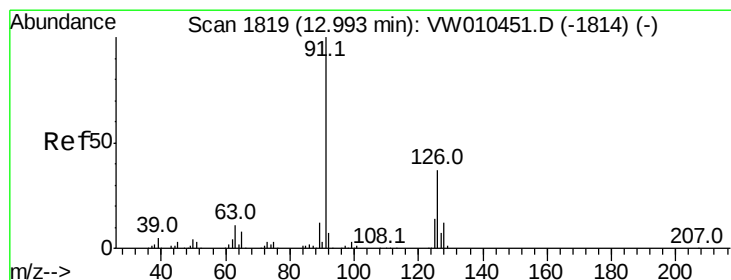
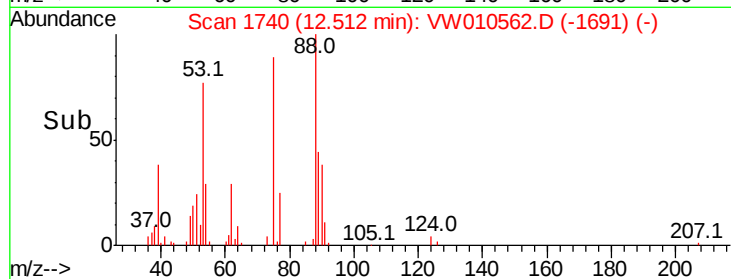
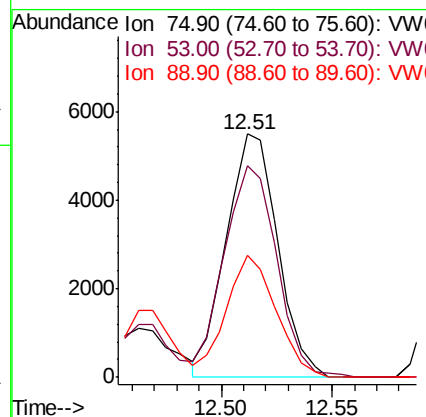
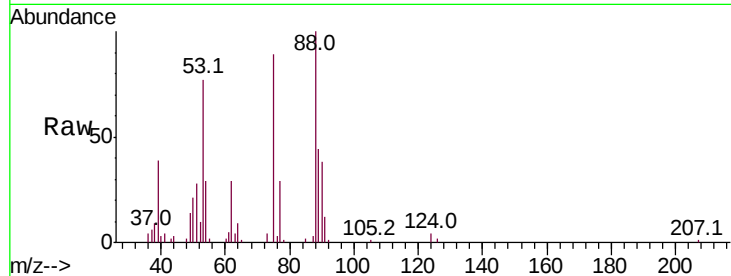
#81
trans-1,4-Dichloro-2-butene
Concen: 16.638 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	69.8	104.8
89	48.6	39.5	59.3

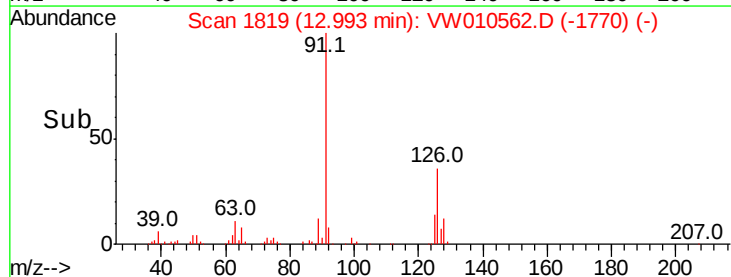
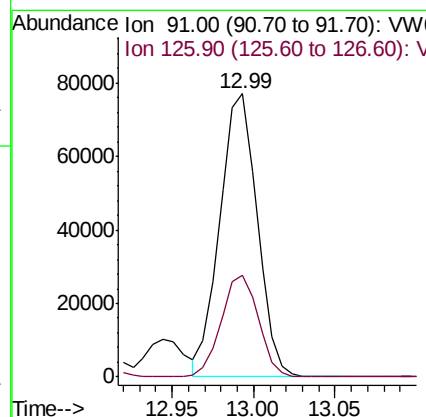
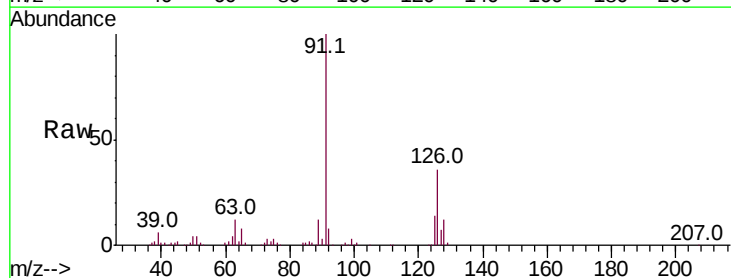
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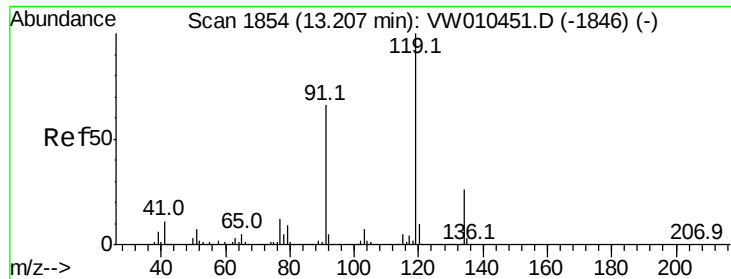
MMDadoda
5/29/2019 11:05:31 AM



#82
4-Chlorotoluene
Concen: 20.297 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.5	52.6





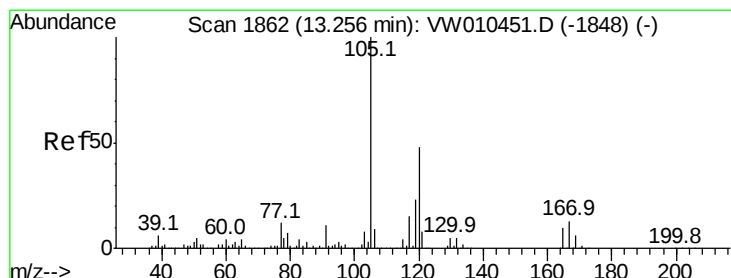
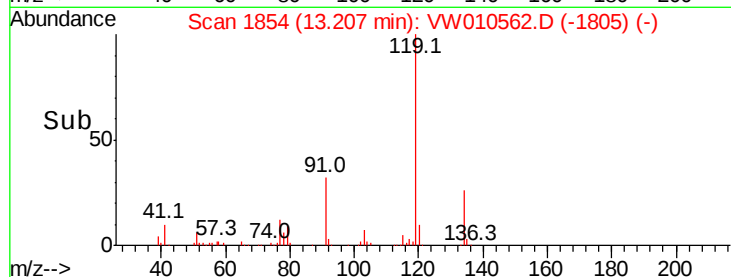
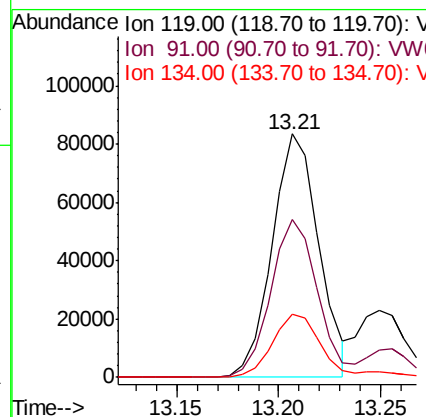
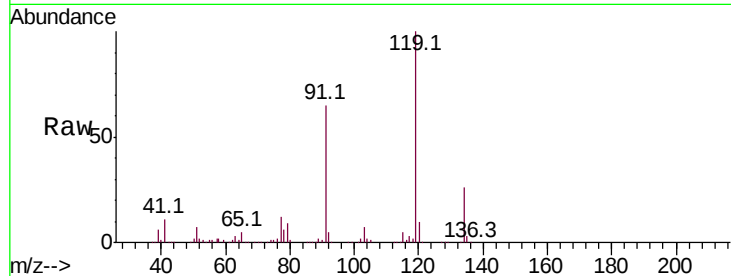
#83
tert-Butylbenzene
Concen: 20.764 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	132985		
91	65.4	33.1	99.5	
134	26.3	13.9	41.6	

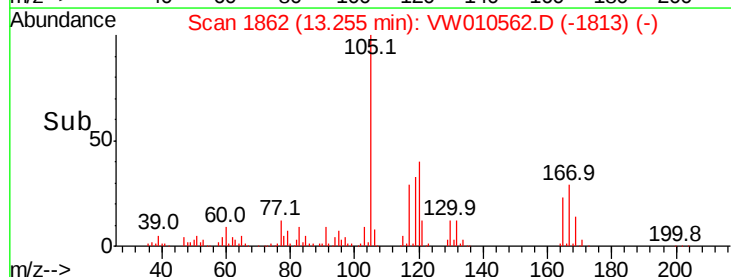
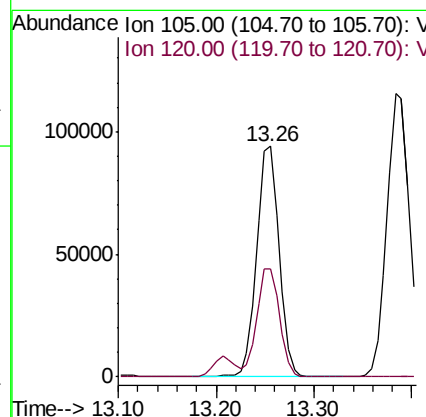
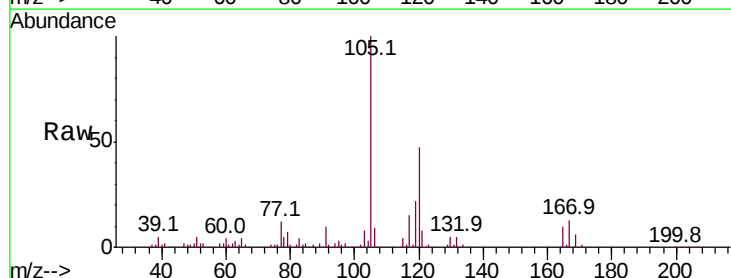
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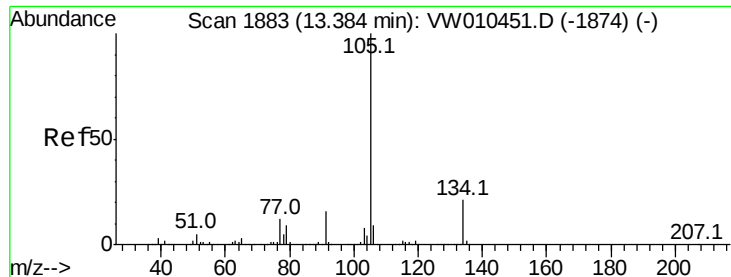
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#84
1,2,4-Trimethylbenzene
Concen: 20.546 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	150040		
120	47.3	23.4	70.2	





#85

sec-Butylbenzene

Concen: 20.539 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampled :

VW0528SBS01

Tot Ion:105 Resp: 184091

Ion Ratio Lower Upper

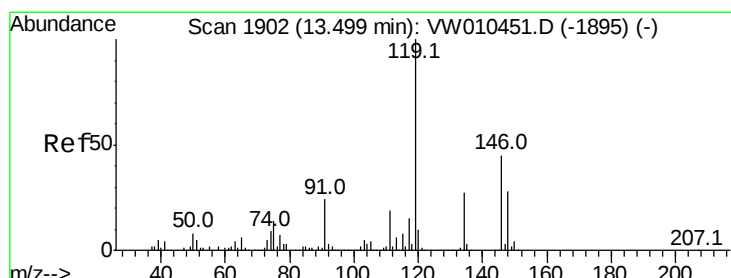
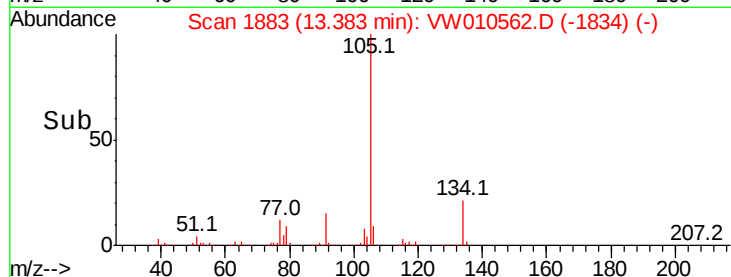
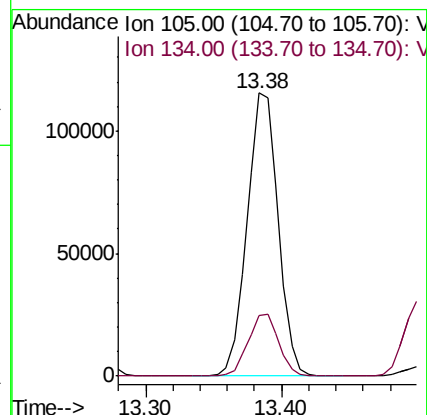
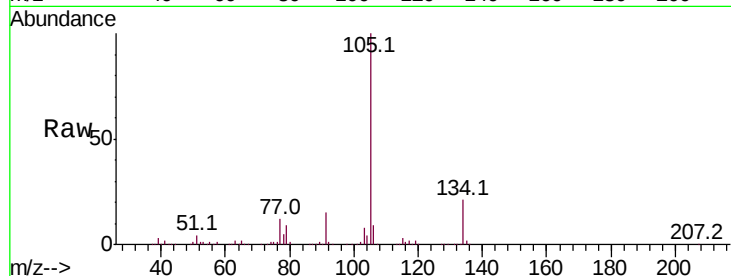
105 100

134 21.7 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 20.872 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

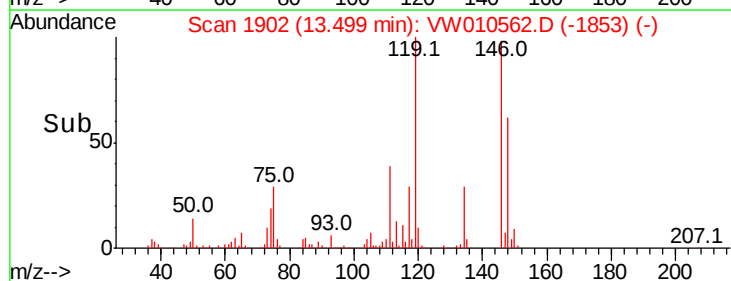
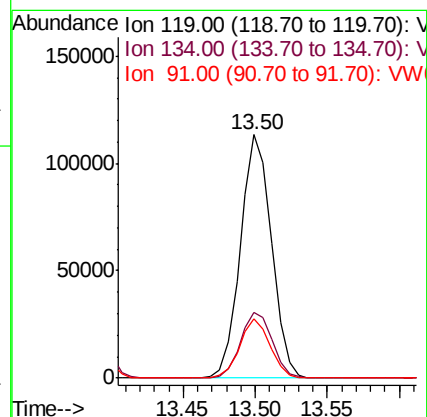
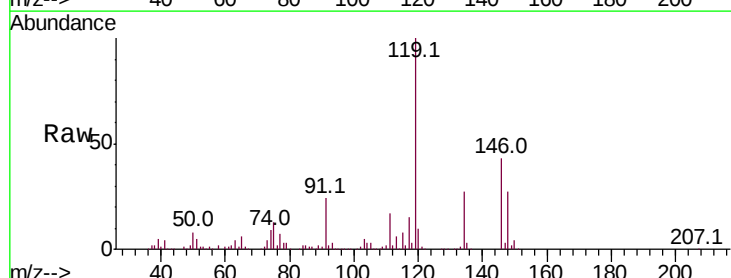
Tgt Ion:119 Resp: 169329

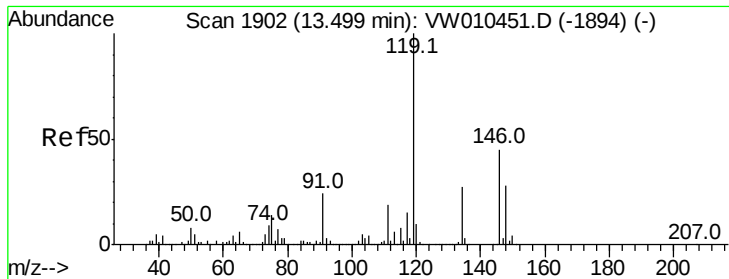
Ion Ratio Lower Upper

119 100

134 27.8 13.6 40.7

91 23.9 11.9 35.7





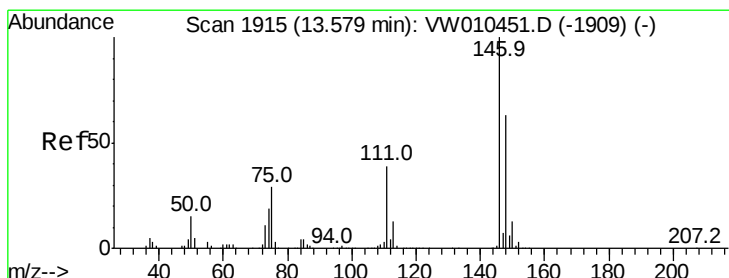
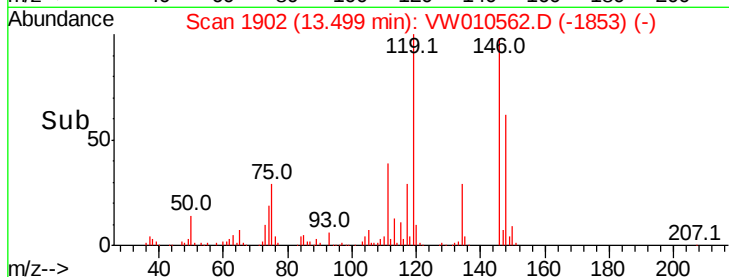
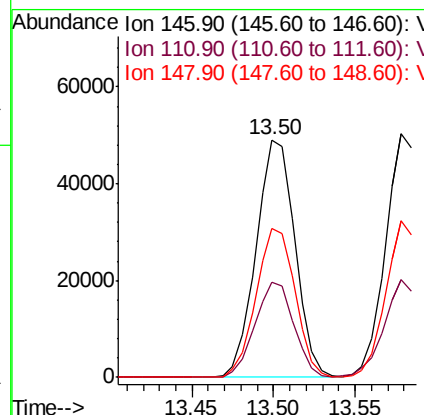
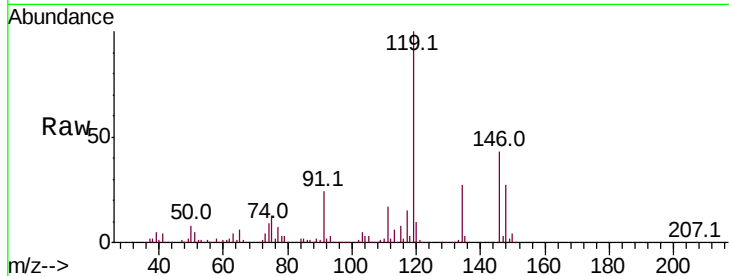
#87
 1,3-Dichlorobenzene
 Concen: 21.411 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.9
148	63.1	31.6	94.8

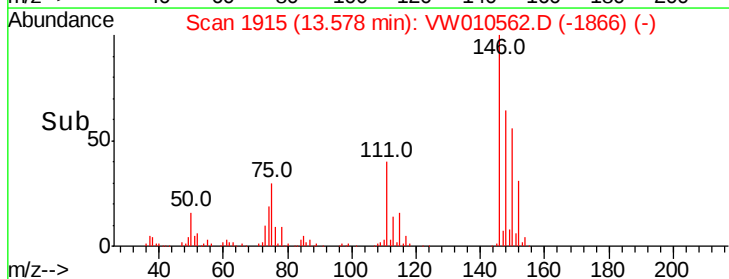
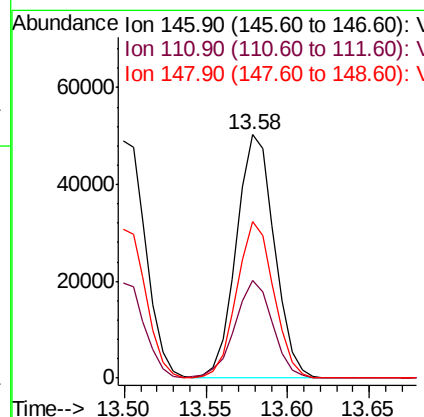
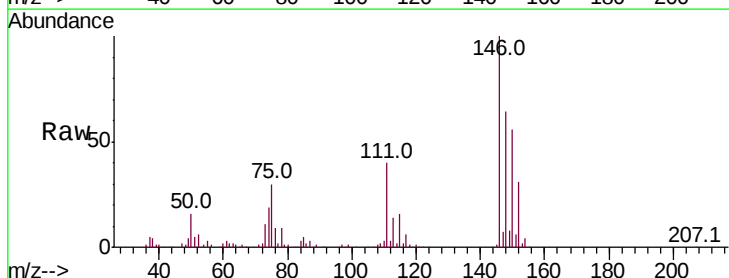
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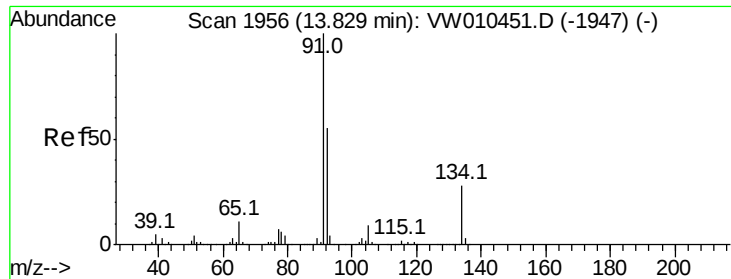
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#88
 1,4-Dichlorobenzene
 Concen: 21.449 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.6
148	62.7	31.6	94.8





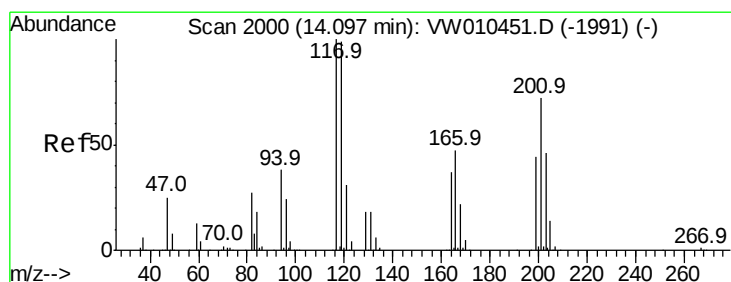
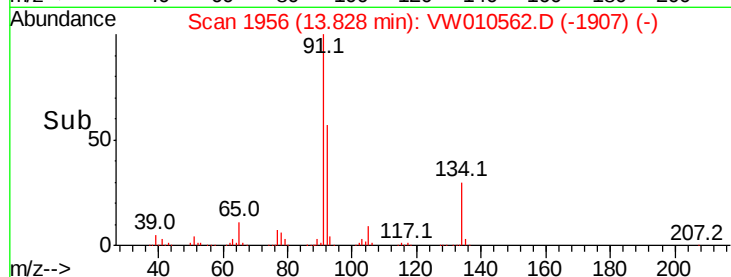
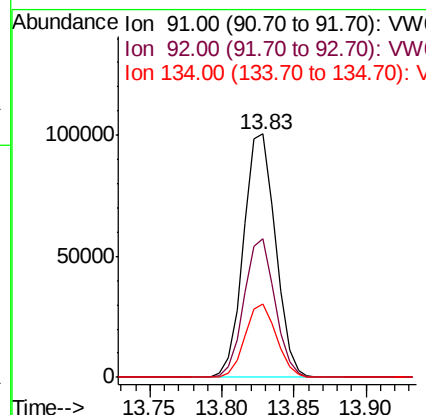
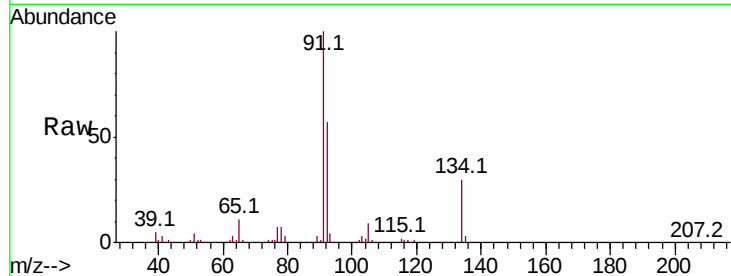
#89
n-Butylbenzene
Concen: 20.052 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.1	27.7	83.1	
134	29.5	13.9	41.6	

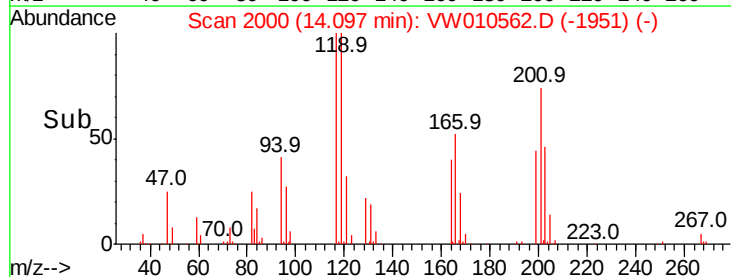
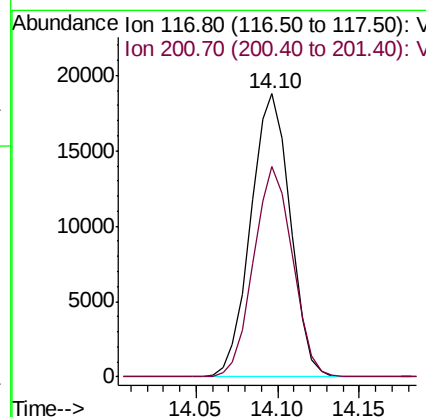
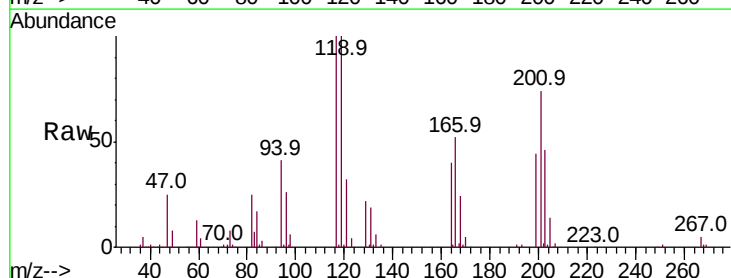
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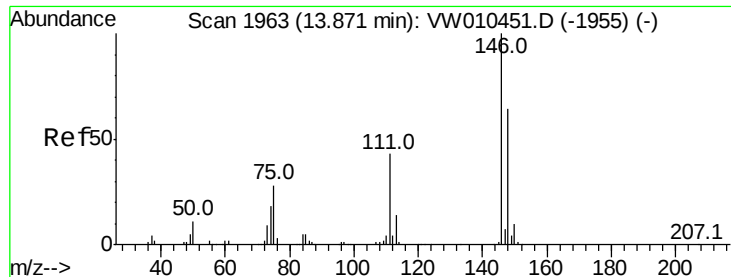
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#90
Hexachloroethane
Concen: 20.168 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	73.6	34.6	103.8	





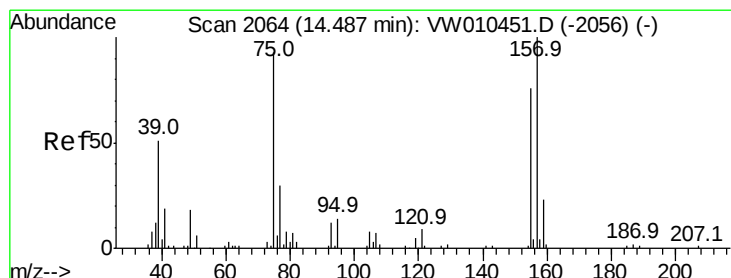
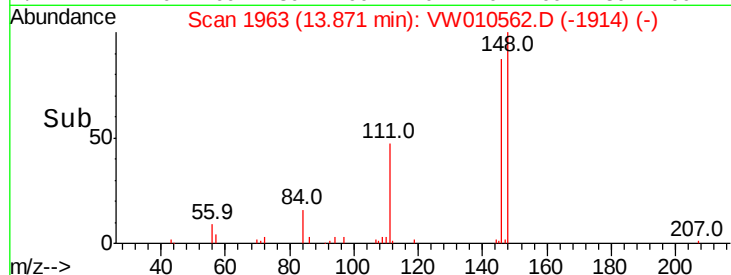
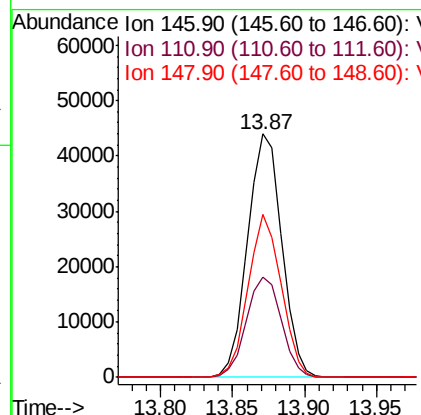
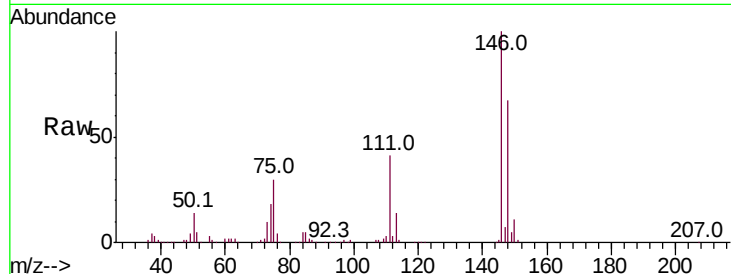
#91
 1,2-Dichlorobenzene
 Concen: 20.911 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	64.0
148	64.5	32.0	96.0

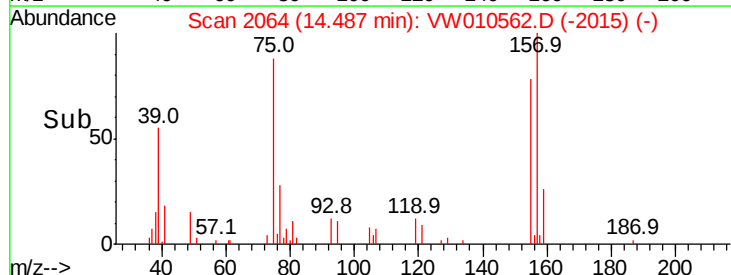
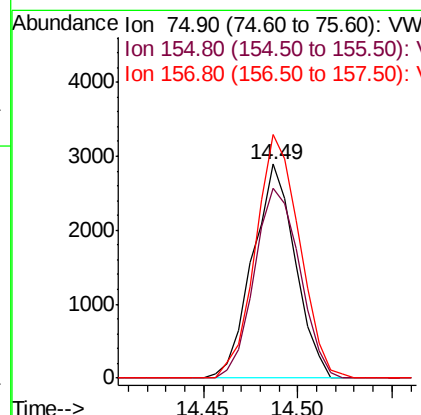
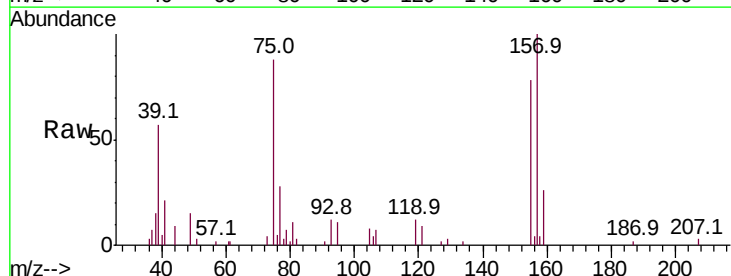
Manual Integrations
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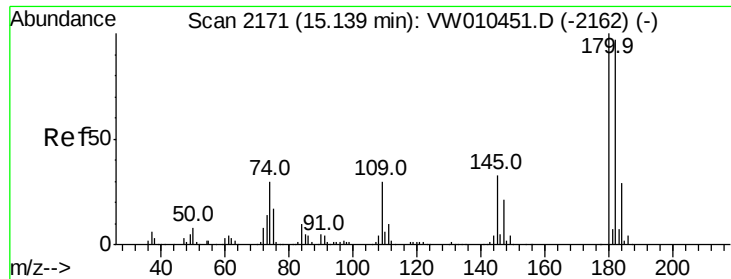
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.472 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	43.0	129.0
157	117.7	55.7	167.1





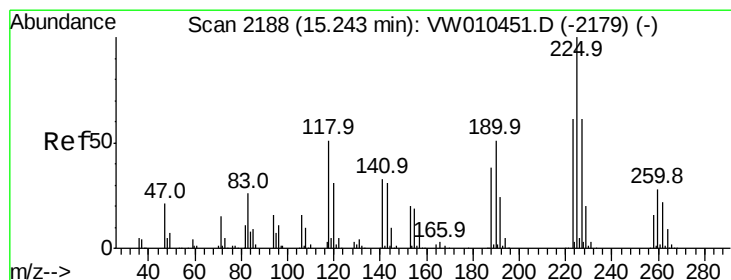
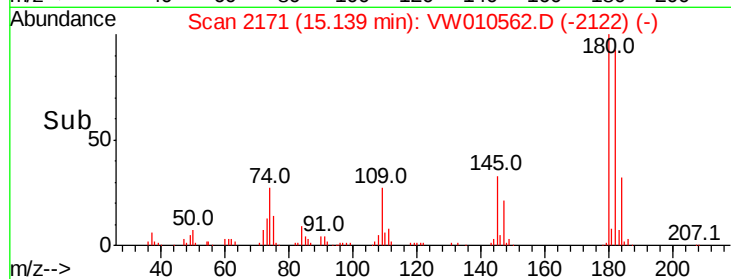
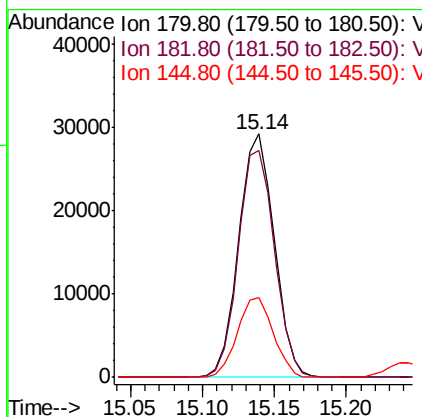
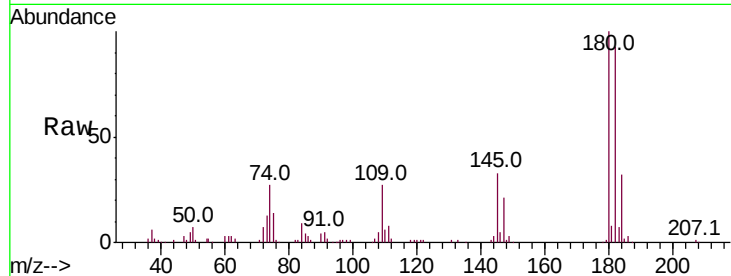
#93
 1,2,4-Trichlorobenzene
 Concen: 21.165 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49872		
182	95.1	47.0	141.2	
145	33.2	16.7	50.0	

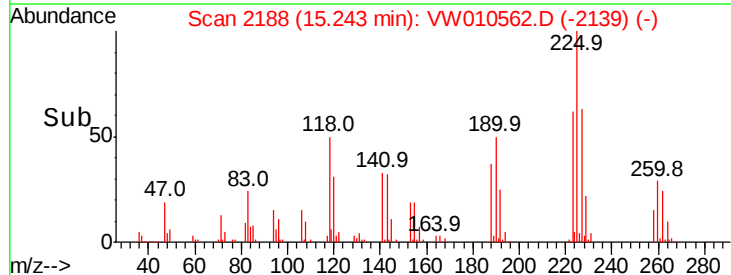
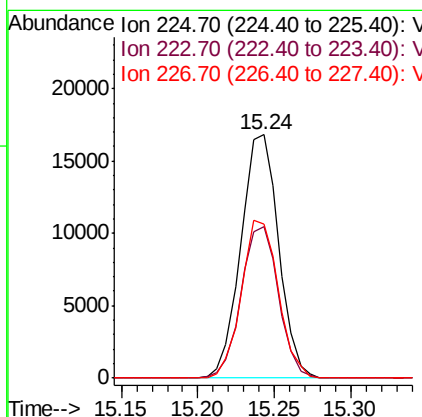
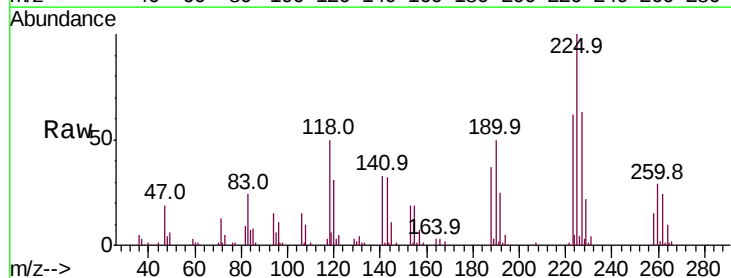
Manual Integrations
 APPROVED

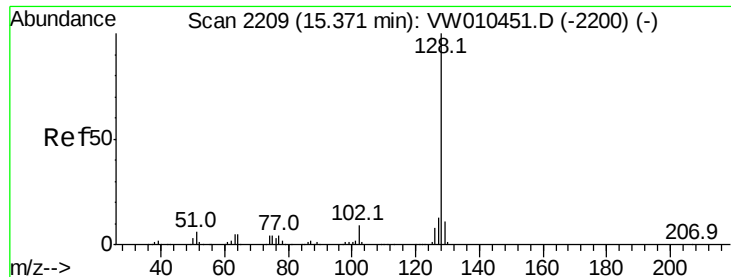
MMDadoda
 5/29/2019 11:05:31 AM



#94
 Hexachlorobutadiene
 Concen: 22.916 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28847		
223	61.5	31.1	93.2	
227	63.4	31.1	93.5	





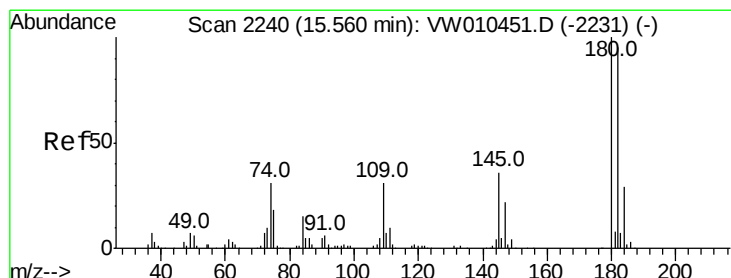
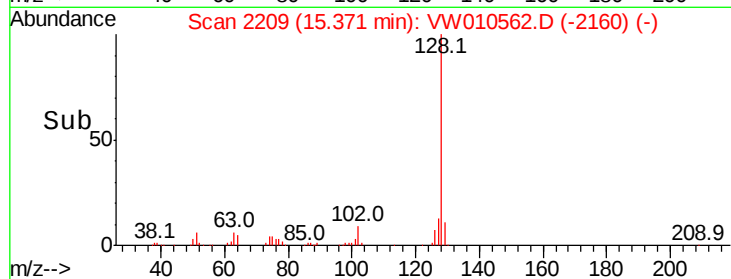
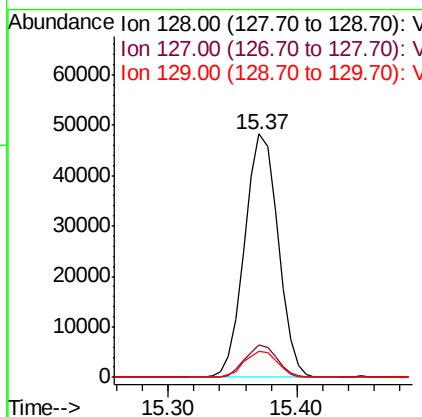
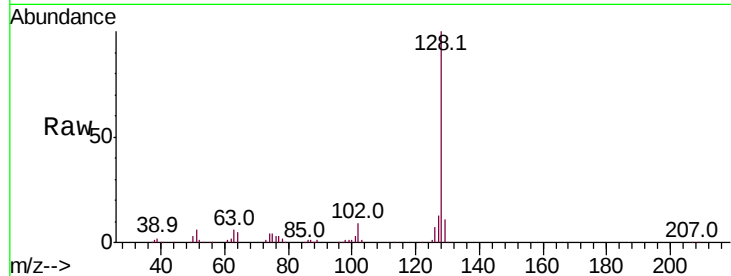
#95
Naphthalene
Concen: 17.558 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.566 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	36.3	17.4	52.3

