

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052919\
 Data File : VW010584.D
 Acq On : 29 May 2019 12:06
 Operator : SY/VA
 Sample : VW0529SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 10:14:08 AM

Quant Time: May 30 07:23:33 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	124391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	204477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	185706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93753	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	66962	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	7.88	113	70511	56.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.66%	
50) Toluene-d8	10.32	98	267937	56.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.06%	
62) 4-Bromofluorobenzene	12.62	95	106060	56.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	18876	16.848	ug/l	96
3) Chloromethane	2.21	50	21167	16.196	ug/l	99
4) Vinyl Chloride	2.35	62	23976	15.838	ug/l	96
5) Bromomethane	2.74	94	17923	17.210	ug/l	93
6) Chloroethane	2.90	64	16656	17.139	ug/l	96
7) Trichlorofluoromethane	3.25	101	46357	20.741	ug/l	98
8) Diethyl Ether	3.68	74	14195	20.036	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	29131	21.164	ug/l	96
10) Methyl Iodide	4.27	142	26309	16.723	ug/l	97
11) Tert butyl alcohol	5.15	59	17964	155.548	ug/l #	88
12) 1,1-Dichloroethene	4.03	96	26699	20.321	ug/l	96
13) Acrolein	3.89	56	6861	87.449	ug/l	95
14) Allyl chloride	4.67	41	37404	19.667	ug/l	98
15) Acrylonitrile	5.37	53	29898	100.764	ug/l	97
16) Acetone	4.12	43	27060	103.252	ug/l	99
17) Carbon Disulfide	4.37	76	71330	18.201	ug/l	99
18) Methyl Acetate	4.67	43	14024	21.879	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	69043	20.613	ug/l	98
20) Methylene Chloride	4.91	84	29157	15.457	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	31090	20.629	ug/l	97
22) Diisopropyl ether	6.31	45	79529	20.394	ug/l	98
23) Vinyl Acetate	6.26	43	229992	98.732	ug/l	100
24) 1,1-Dichloroethane	6.21	63	49259	21.167	ug/l	99
25) 2-Butanone	7.17	43	39885	106.344	ug/l	98
26) 2,2-Dichloropropane	7.17	77	50260	22.673	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	35926	21.927	ug/l	99
28) Bromochloromethane	7.51	49	18353	22.027	ug/l	91
29) Tetrahydrofuran	7.53	42	24300	95.747	ug/l	98
30) Chloroform	7.68	83	54762	21.816	ug/l	98
31) Cyclohexane	7.95	56	46899	19.239	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	51028	21.269	ug/l	98
36) 1,1-Dichloropropene	8.08	75	42370	22.244	ug/l	99
37) Ethyl Acetate	7.26	43	17156	21.180	ug/l	98
38) Carbon Tetrachloride	8.07	117	46467	22.614	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	55500	21.748	ug/l	97
40) Benzene	8.32	78	119508	22.573	ug/l	100
41) Methacrylonitrile	7.49	41	9011	18.723	ug/l	93
42) 1,2-Dichloroethane	8.40	62	33778	22.323	ug/l	100
43) Isopropyl Acetate	8.43	43	32867	20.311	ug/l	98
44) Trichloroethene	9.09	130	36582	23.274	ug/l	97
45) 1,2-Dichloropropane	9.37	63	28243	22.462	ug/l	96
46) Dibromomethane	9.46	93	16515	22.459	ug/l	96
47) Bromodichloromethane	9.65	83	40605	21.974	ug/l	95
48) Methyl methacrylate	9.44	41	14656	19.797	ug/l	95
49) 1,4-Dioxane	9.45	88	5185	431.640	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	85357	104.095	ug/l	99
52) Toluene	10.39	92	82137	23.101	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	40094	21.423	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	47172	22.070	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	24624	23.287	ug/l	97
56) Ethyl methacrylate	10.65	69	30292	20.771	ug/l	100
57) 1,3-Dichloropropane	10.93	76	39993	22.579	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	73907	114.414	ug/l	99
59) 2-Hexanone	10.97	43	60968	104.229	ug/l	100
60) Dibromochloromethane	11.13	129	29840	22.297	ug/l	100
61) 1,2-Dibromoethane	11.24	107	23802	22.221	ug/l	97
64) Tetrachloroethene	10.87	164	29289	22.625	ug/l	95
65) Chlorobenzene	11.66	112	90370	22.833	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	32234	22.735	ug/l	98
67) Ethyl Benzene	11.73	91	155509	22.255	ug/l	97
68) m/p-Xylenes	11.84	106	124080	45.271	ug/l	99
69) o-Xylene	12.16	106	58800	22.644	ug/l	98
70) Styrene	12.18	104	98698	22.401	ug/l	99
71) Bromoform	12.35	173	16133	20.663	ug/l #	99
73) Isopropylbenzene	12.47	105	161702	21.735	ug/l	100
74) N-amyl acetate	12.27	43	31351	18.390	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	27071	20.006	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	19088m	20.058	ug/l	
77) Bromobenzene	12.75	156	37691	22.639	ug/l	96
78) n-propylbenzene	12.80	91	183897	21.211	ug/l	99
79) 2-Chlorotoluene	12.90	91	106781	21.238	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	135472	21.500	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	8294	18.189	ug/l	94
82) 4-Chlorotoluene	12.99	91	112207	21.501	ug/l	98
83) tert-Butylbenzene	13.21	119	118816	21.588	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	134850	21.488	ug/l	99
85) sec-Butylbenzene	13.38	105	165448	21.480	ug/l	100
86) p-Isopropyltoluene	13.50	119	150417	21.576	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	72905	22.320	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	72745	22.198	ug/l	98
89) n-Butylbenzene	13.83	91	138138	20.831	ug/l	99
90) Hexachloroethane	14.10	117	27764	20.575	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	67383	22.641	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4867	19.343	ug/l	97

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ClientSampleId :
VW0529SBSD01

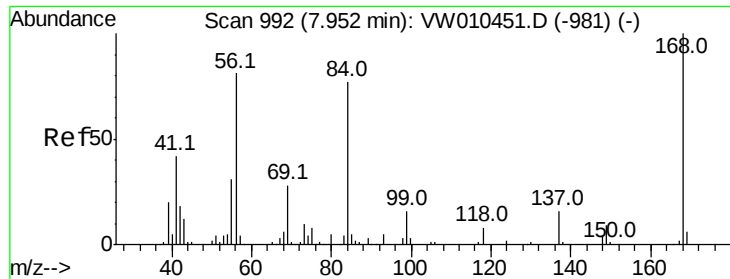
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	44960	22.203	ug/l	99
94) Hexachlorobutadiene	15.24	225	24578	22.720	ug/l	98
95) Naphthalene	15.37	128	83597	19.667	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	39446	22.639	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBSD01

Tot Ion:168 Resp: 124391

Ion Ratio Lower Upper

168 100

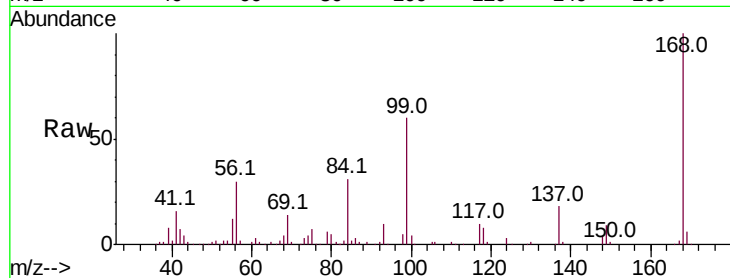
99 59.8 46.1 69.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

60000

50000

40000

30000

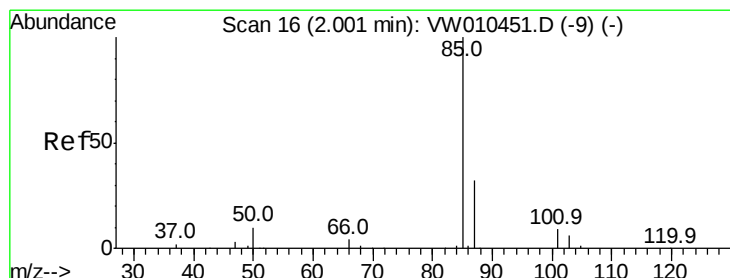
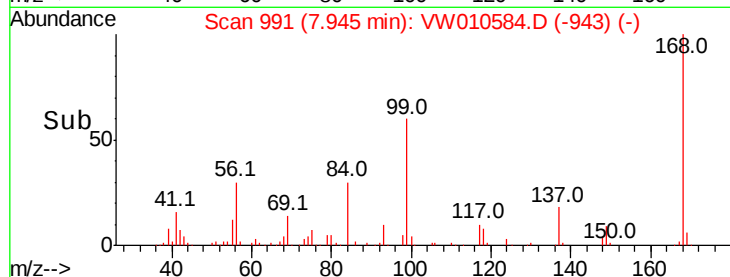
20000

10000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.848 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010584.D

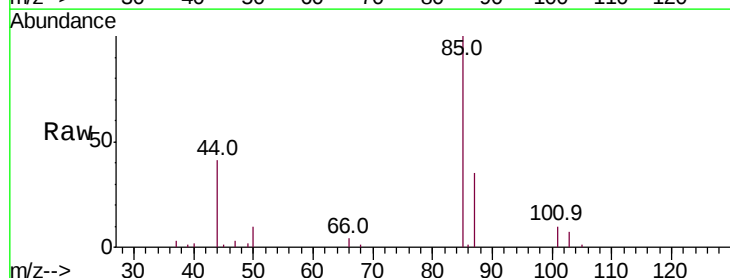
Acq: 29 May 2019 12:06

Tgt Ion: 85 Resp: 18876

Ion Ratio Lower Upper

85 100

87 34.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

6000

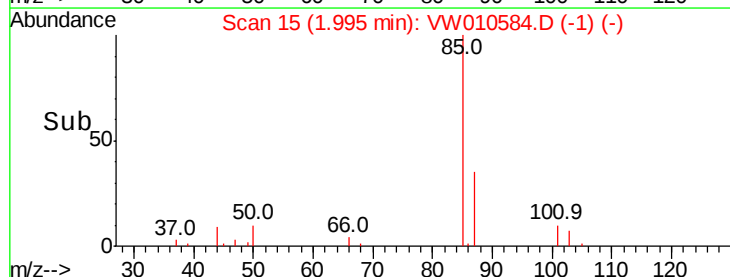
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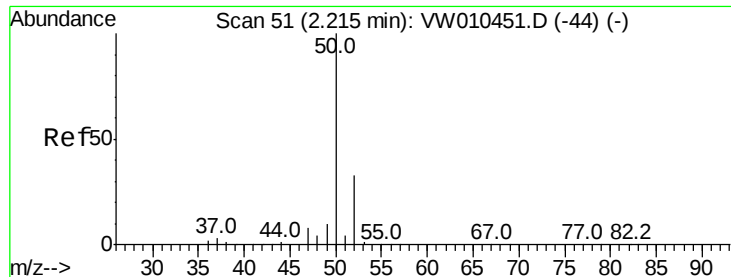
2000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 16.196 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 50 Resp: 21167

Ion Ratio Lower Upper

50 100

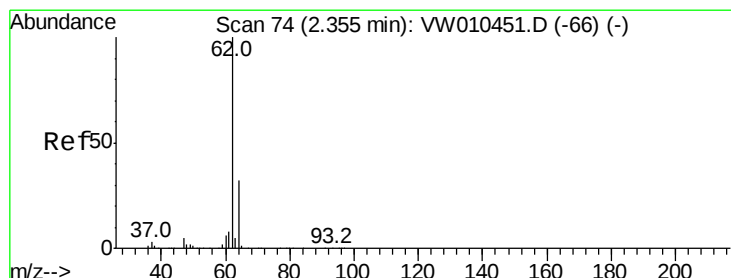
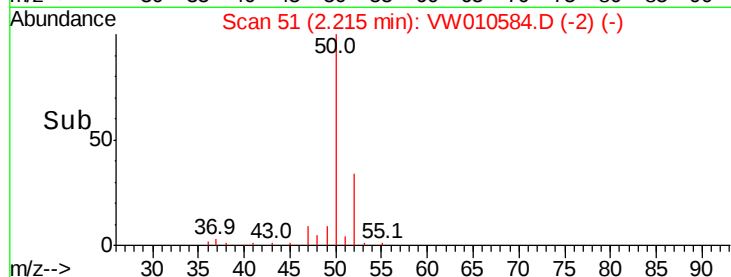
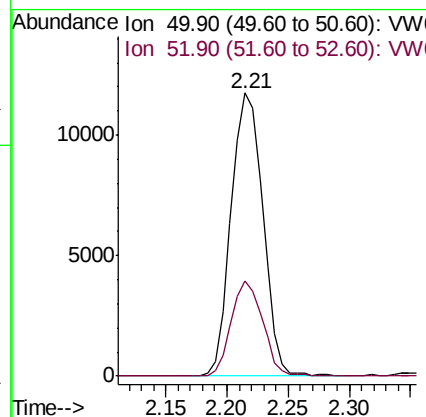
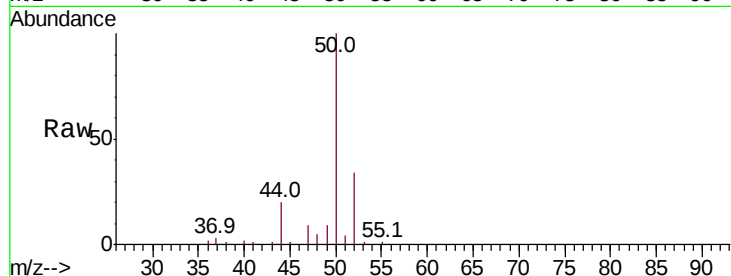
52 33.5 26.3 39.5

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#4

Vinyl Chloride

Concen: 15.838 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010584.D

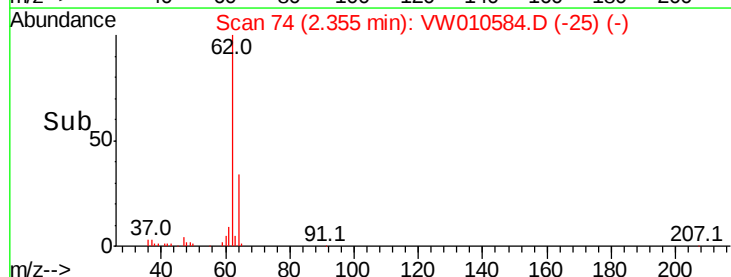
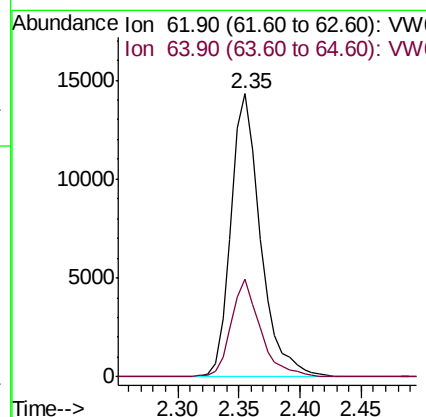
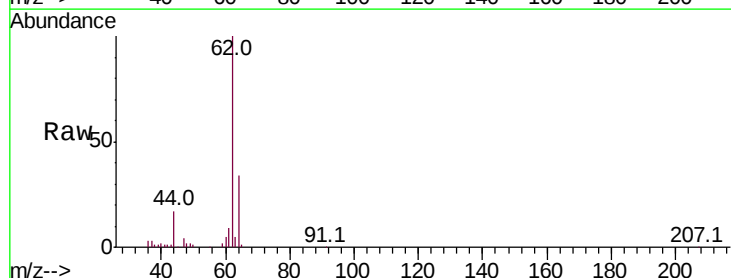
Acq: 29 May 2019 12:06

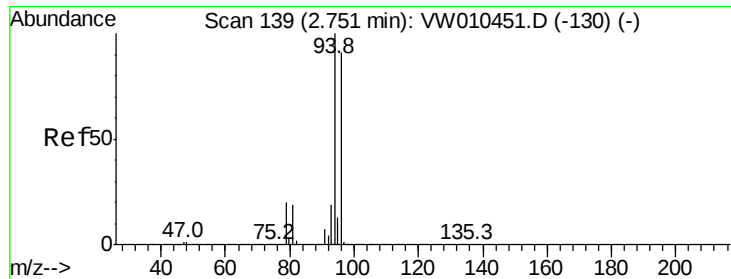
Tgt Ion: 62 Resp: 23976

Ion Ratio Lower Upper

62 100

64 34.4 25.8 38.8





#5

Bromomethane

Concen: 17.210 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleID :

VW0529SBSD01

Tot Ion: 94 Resp: 17923

Ion Ratio Lower Upper

94 100

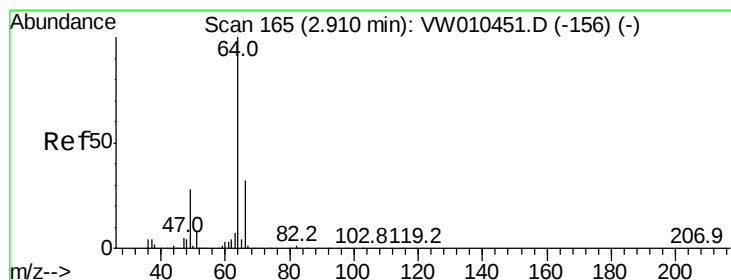
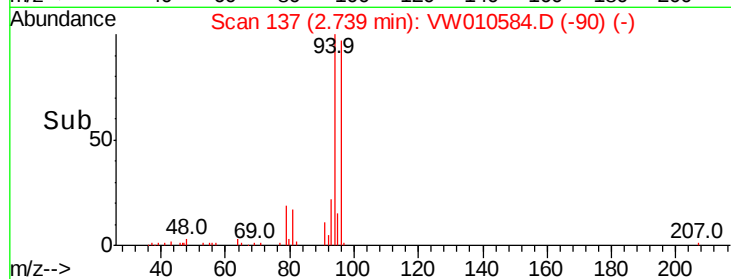
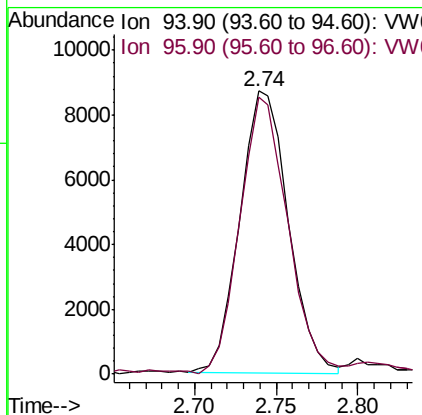
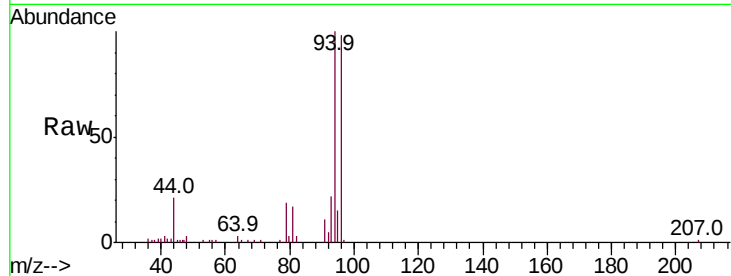
96 97.8 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 17.139 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010584.D

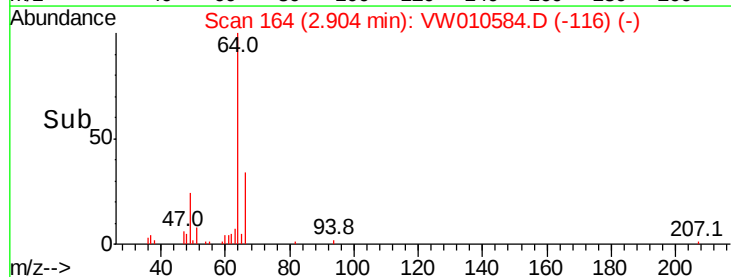
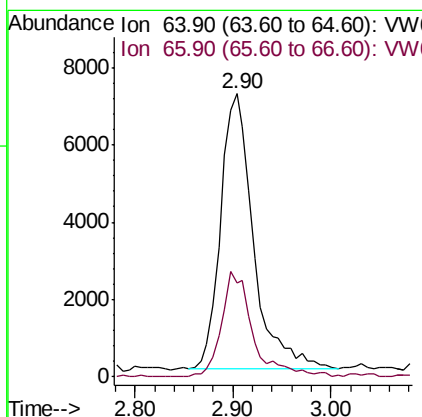
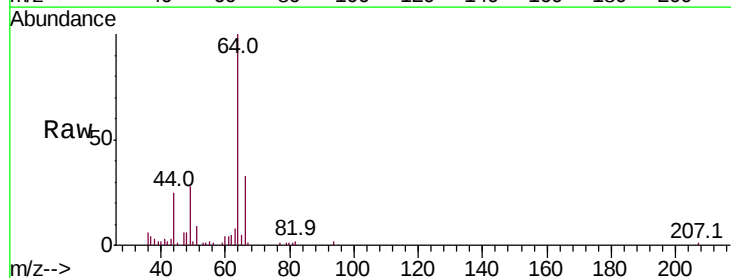
Acq: 29 May 2019 12:06

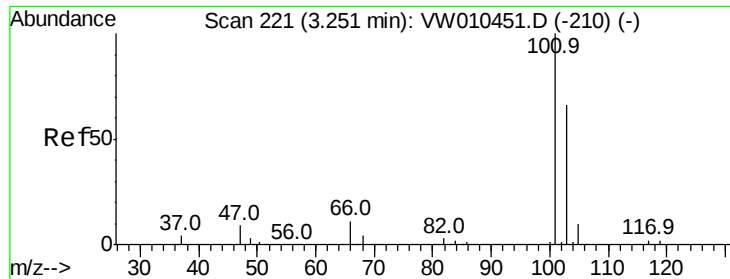
Tgt Ion: 64 Resp: 16656

Ion Ratio Lower Upper

64 100

66 34.3 25.5 38.3





#7

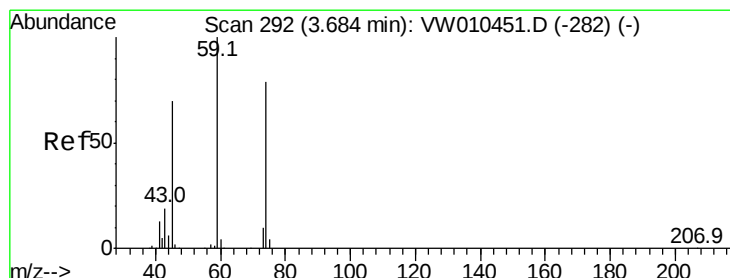
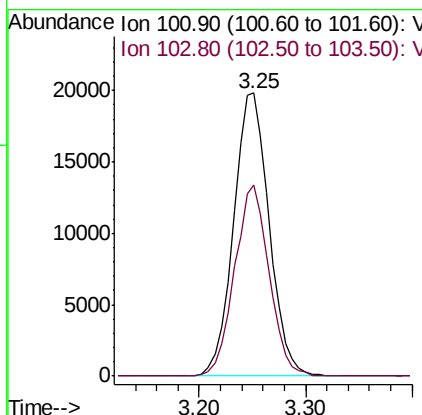
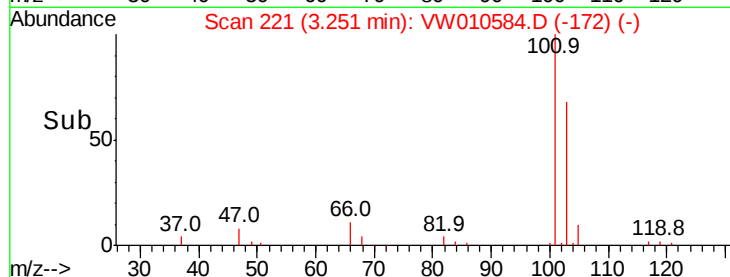
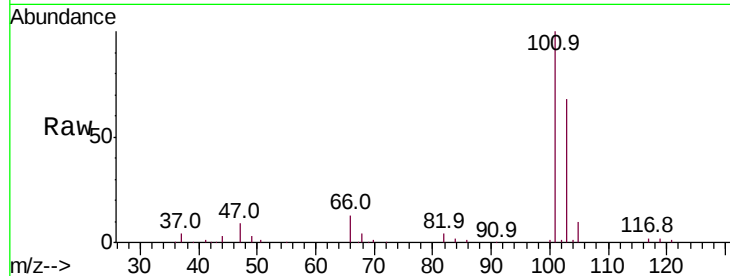
Trichlorofluoromethane
 Concen: 20.741 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010584.D
 Acq: 29 May 2019 12:06

Instrument :
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 ClientSampleId :
 VW0529SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	53.0	79.4

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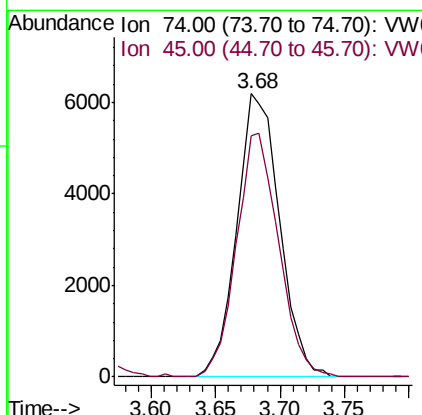
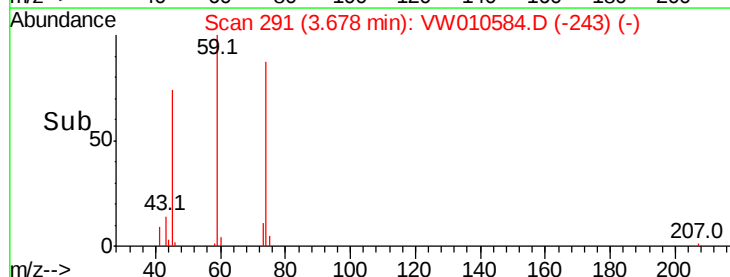
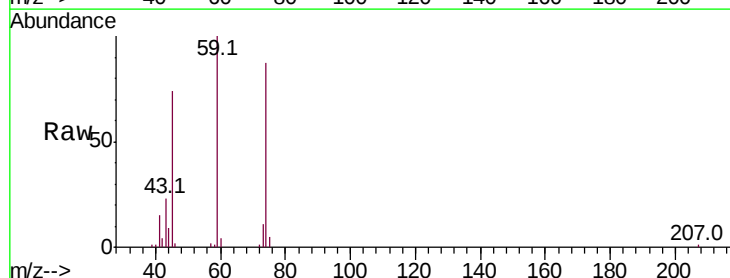
MMDadoda
 5/30/2019 10:14:08 AM

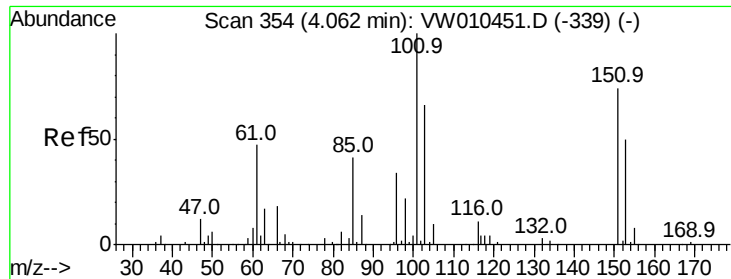


#8

Diethyl Ether
 Concen: 20.036 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010584.D
 Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.2	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.164 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

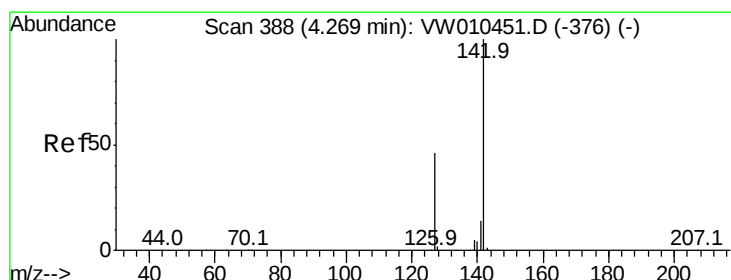
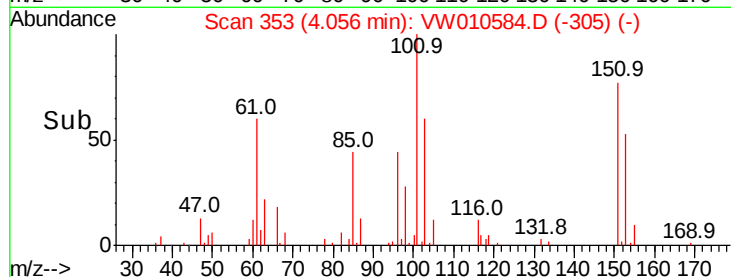
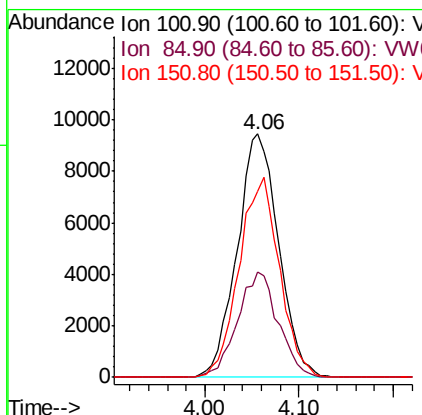
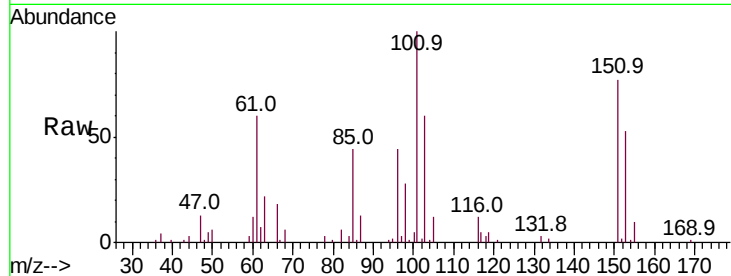
ClientSampleId :

VW0529SBS01

Tot Ion:	101	Resp:	29131
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.3	51.5
151	80.0	60.3	90.5

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5/30/2019 10:14:08 AM



#10

Methyl Iodide

Concen: 16.723 ug/l

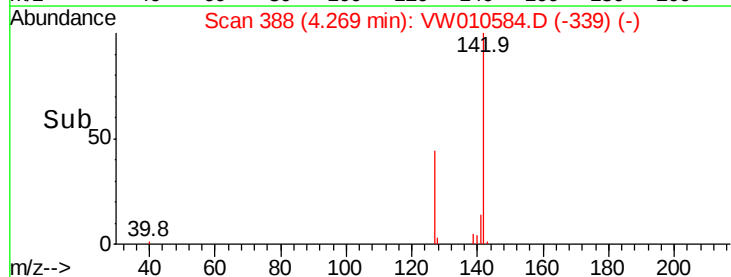
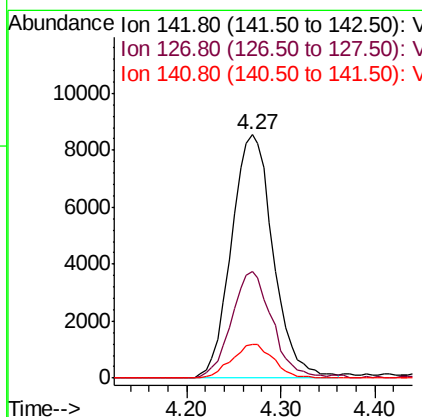
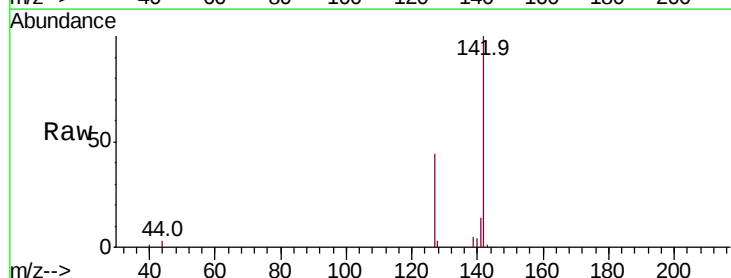
RT: 4.27 min Scan# 388

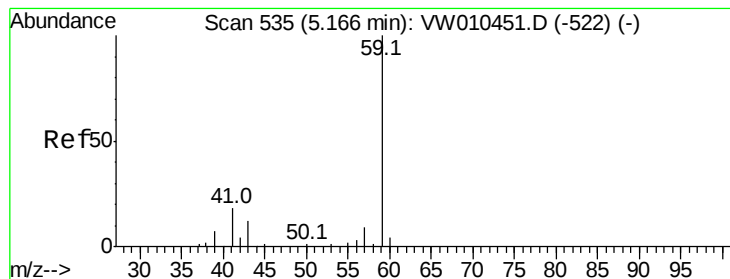
Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Tgt Ion:	142	Resp:	26309
Ion Ratio	Lower	Upper	
142	100		
127	42.6	36.1	54.1
141	13.7	11.3	16.9





#11

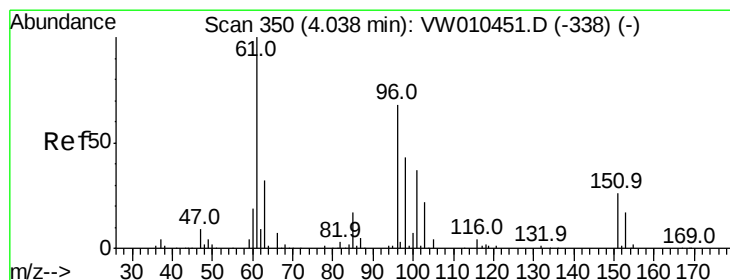
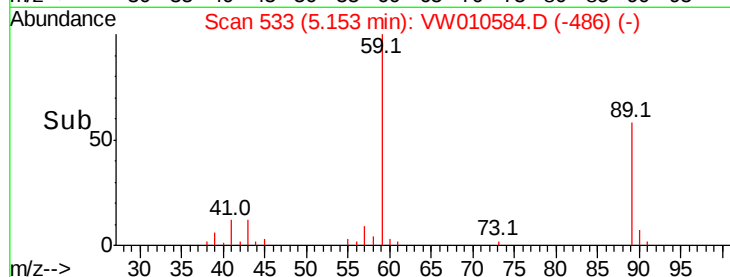
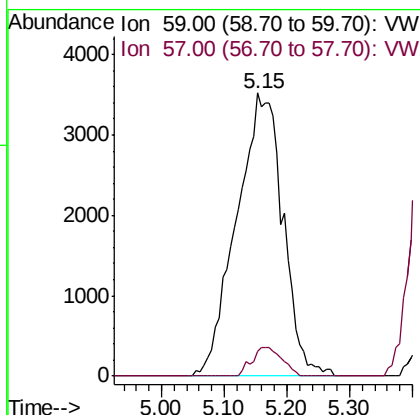
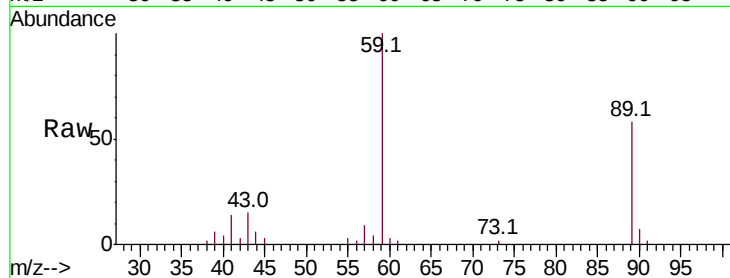
Tert butyl alcohol
 Concen: 155.548 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW010584.D
 Acq: 29 May 2019 12:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBS01

Tot Ion: 59 Resp: 17964
 Ion Ratio Lower Upper
 59 100
 57 6.6 8.8 13.2#

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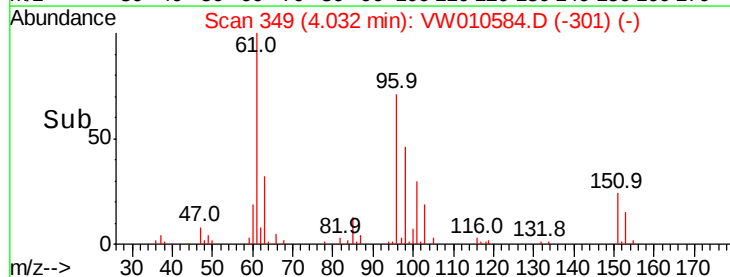
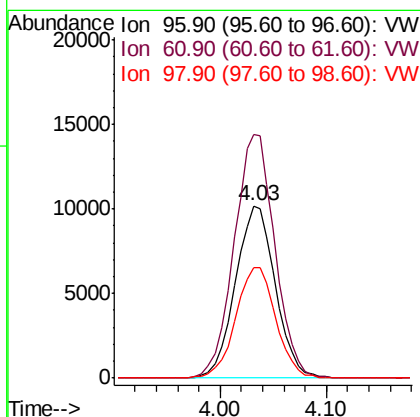
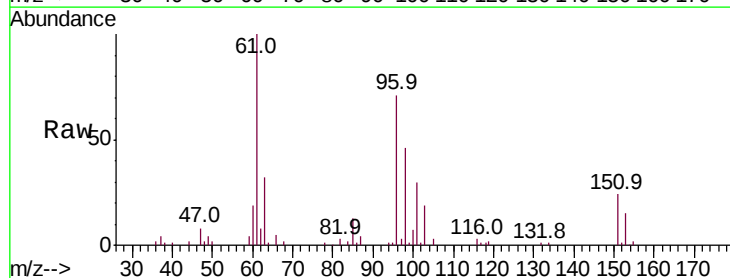
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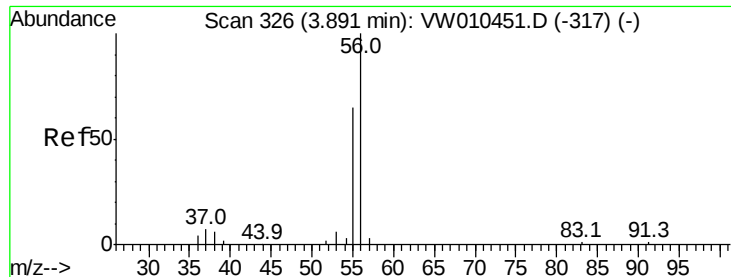


#12

1,1-Dichloroethene
 Concen: 20.321 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010584.D
 Acq: 29 May 2019 12:06

Tgt Ion: 96 Resp: 26699
 Ion Ratio Lower Upper
 96 100
 61 141.4 118.3 177.5
 98 64.5 51.0 76.6





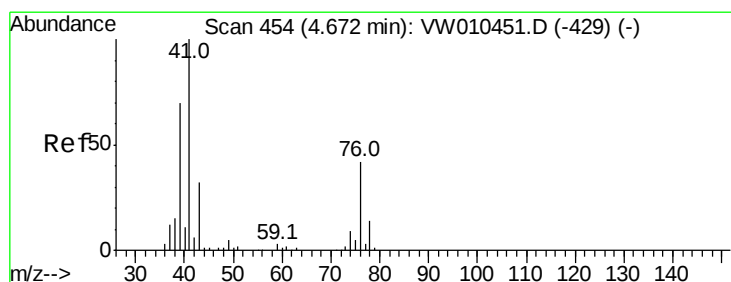
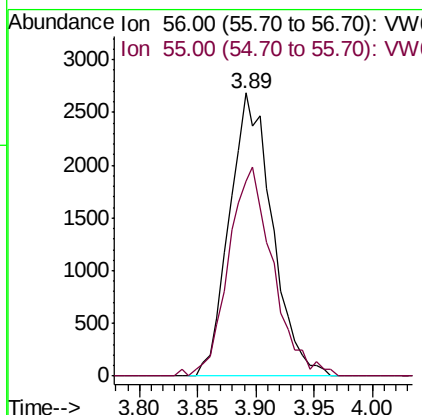
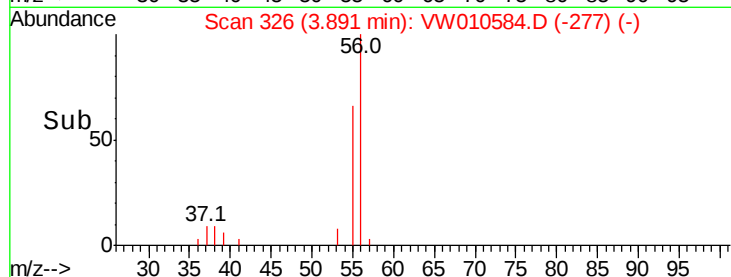
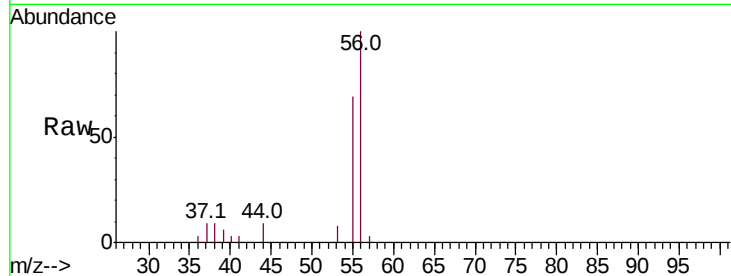
#13
Acrolein
Concen: 87.449 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.8	57.9	86.9

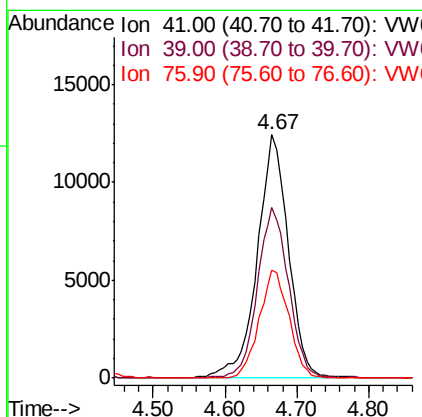
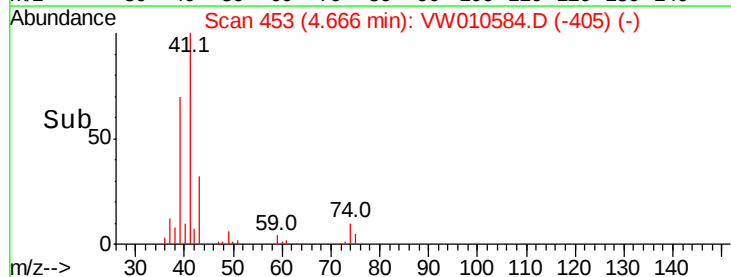
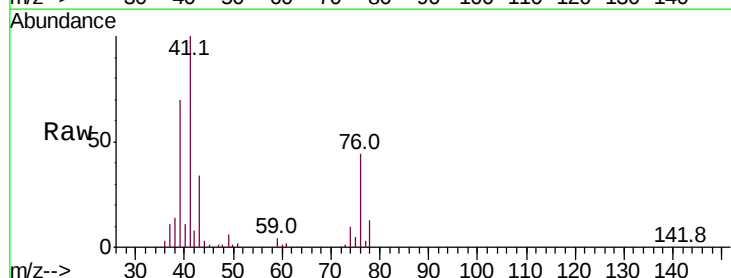
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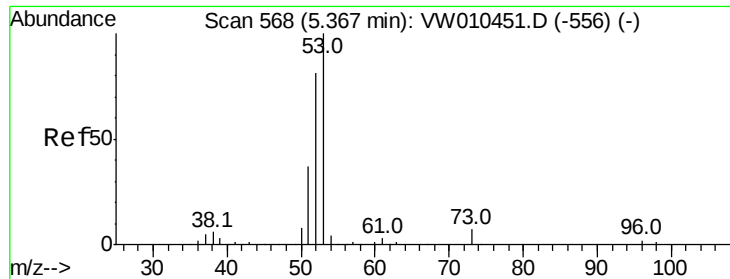
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#14
Allyl chloride
Concen: 19.667 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.1	55.0	82.4
76	42.2	32.8	49.2





#15

Acrylonitrile

Concen: 100.764 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

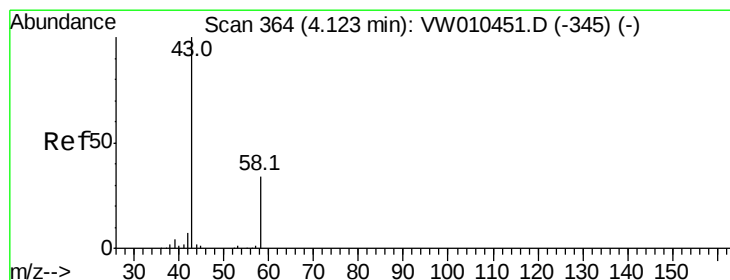
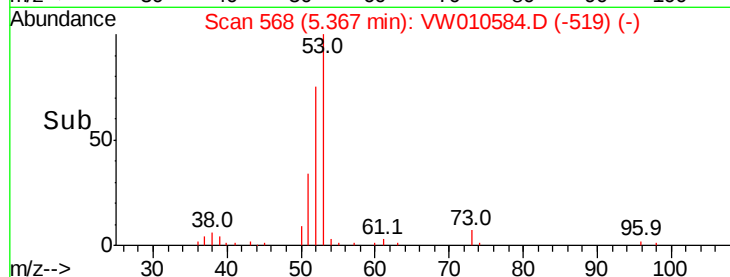
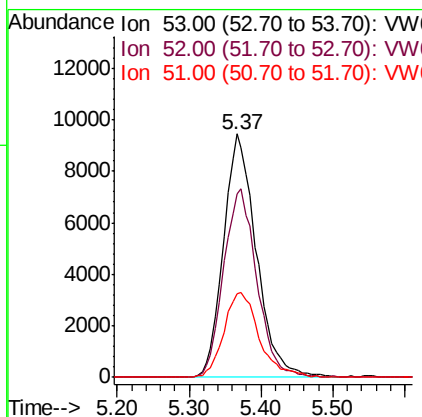
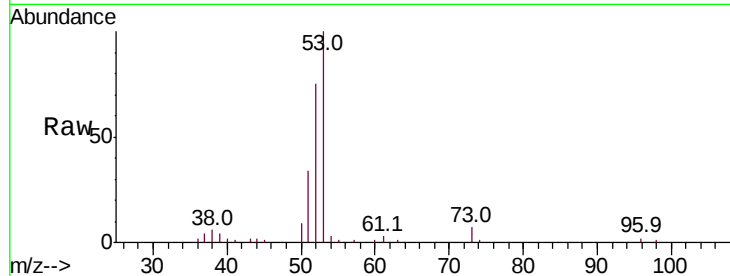
ClientSampleId :

VW0529SBS01

Tot Ion:	53	Resp:	29898
Ion	Ratio	Lower	Upper
53	100		
52	78.3	65.6	98.4
51	37.5	29.5	44.3

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#16

Acetone

Concen: 103.252 ug/l

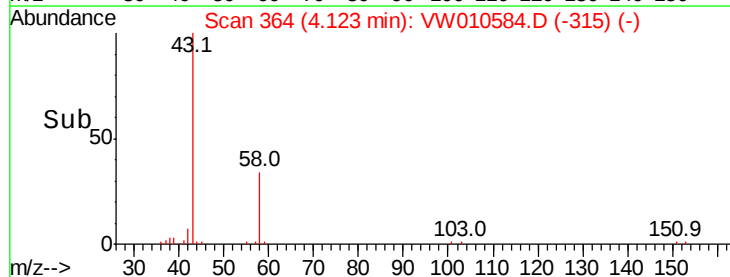
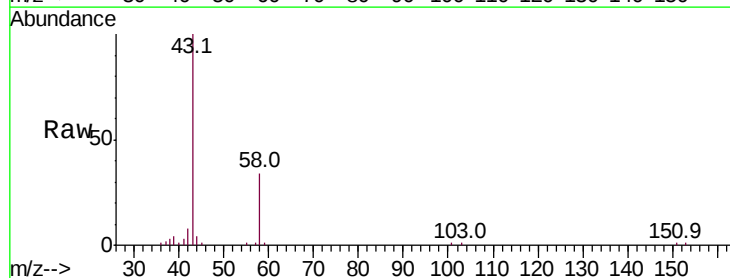
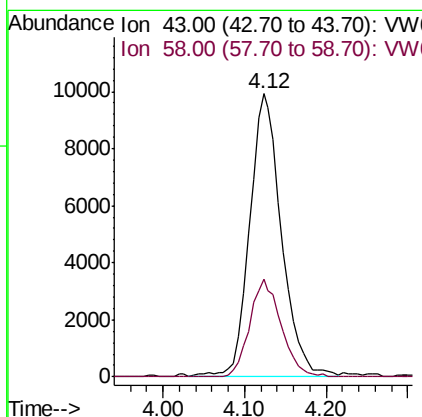
RT: 4.12 min Scan# 364

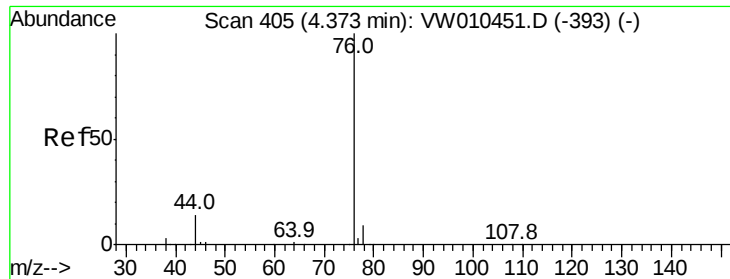
Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Tgt Ion:	43	Resp:	27060
Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.0	40.4





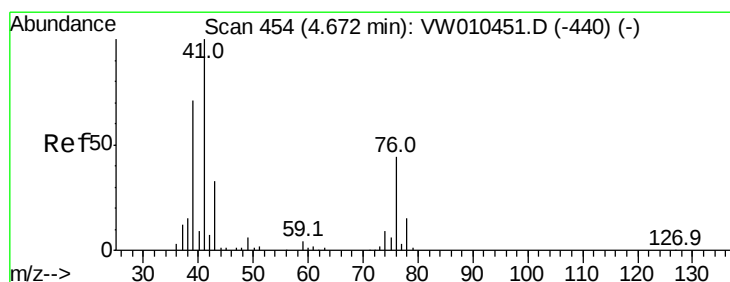
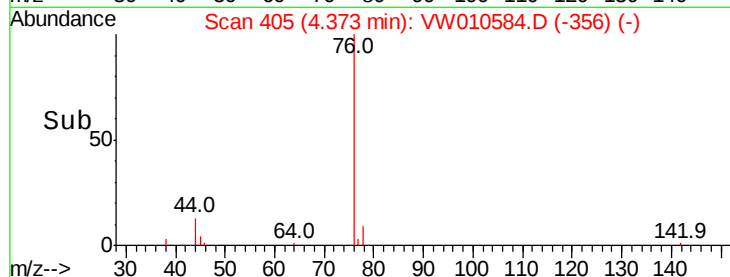
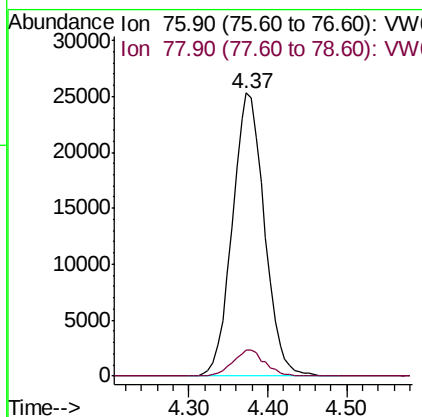
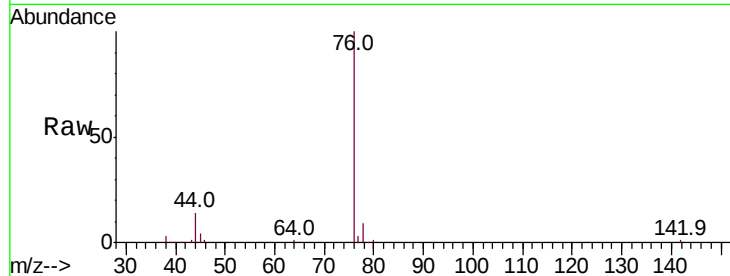
#17
Carbon Disulfide
Concen: 18.201 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBSD01

Tot Ion: 76 Resp: 71330
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7

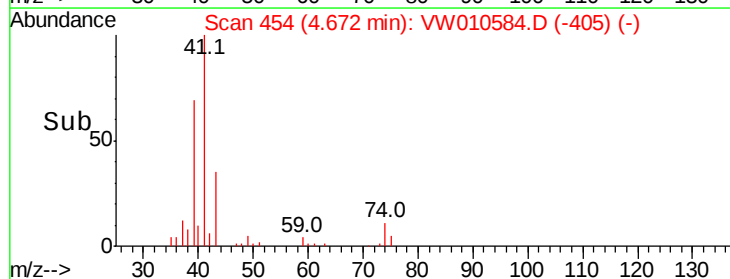
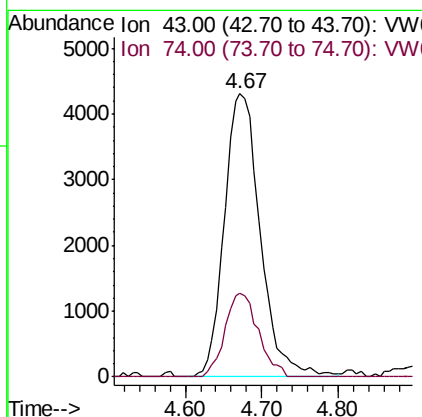
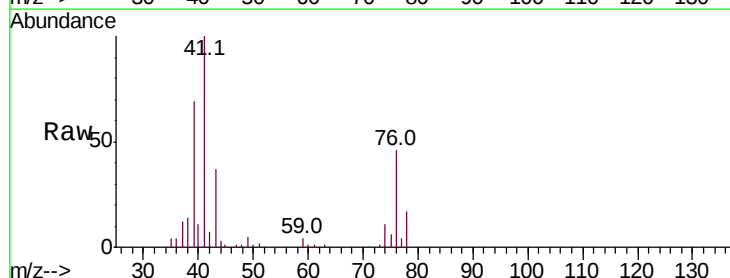
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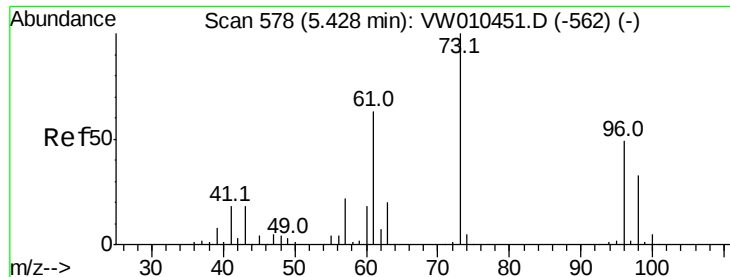
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#18
Methyl Acetate
Concen: 21.879 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion: 43 Resp: 14024
Ion Ratio Lower Upper
43 100
74 27.3 21.6 32.4





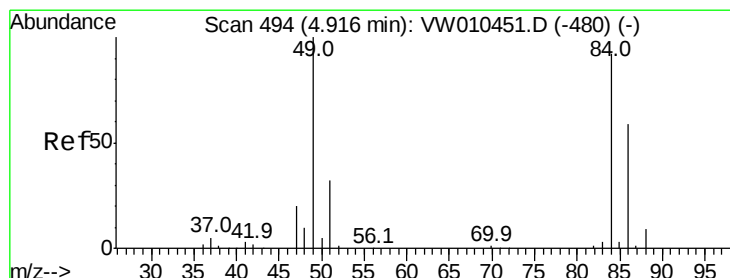
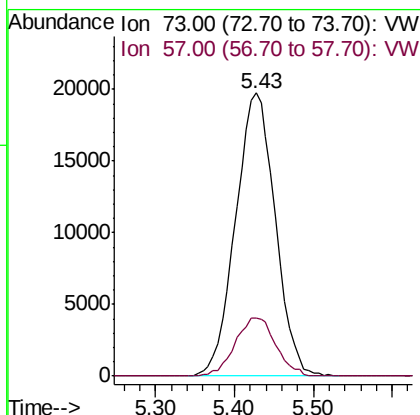
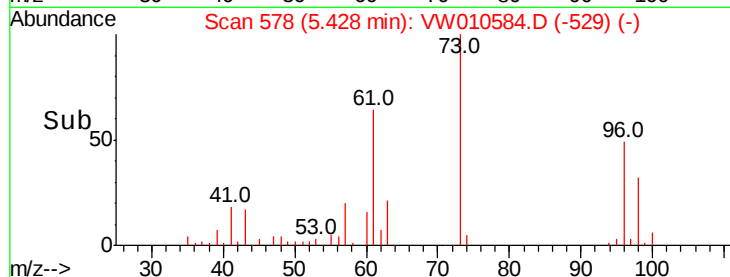
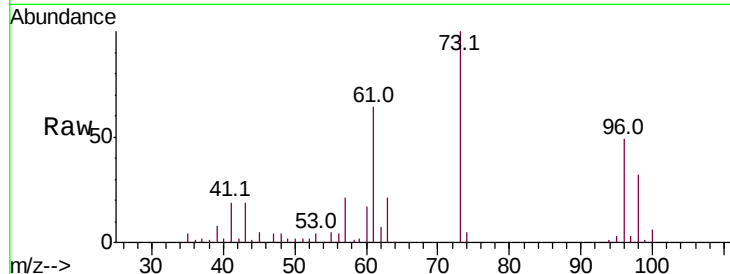
#19
Methvl tert-butvl Ether
Concen: 20.613 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion: 73 Resp: 69043
Ion Ratio Lower Upper
73 100
57 20.7 17.4 26.0

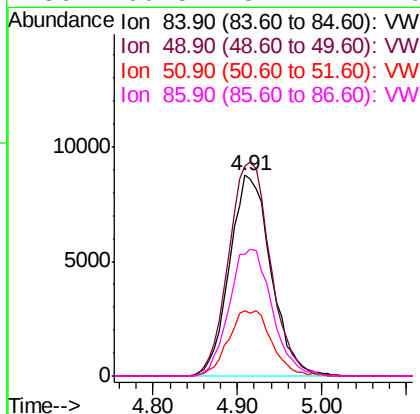
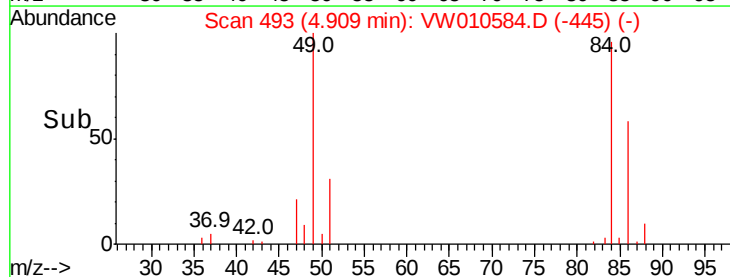
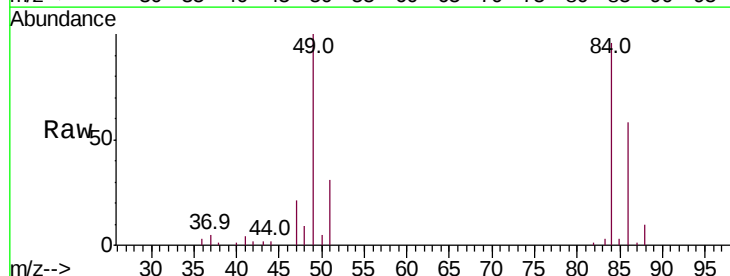
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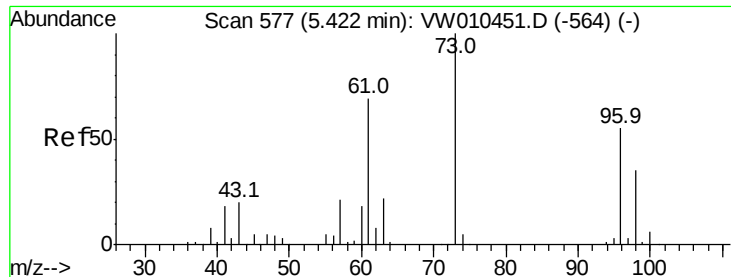
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#20
Methylene Chloride
Concen: 15.457 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion: 84 Resp: 29157
Ion Ratio Lower Upper
84 100
49 104.5 87.2 130.8
51 32.3 27.7 41.5
86 60.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.629 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 96 Resp: 31090

Ion Ratio Lower Upper

96 100

61 122.6 101.4 152.0

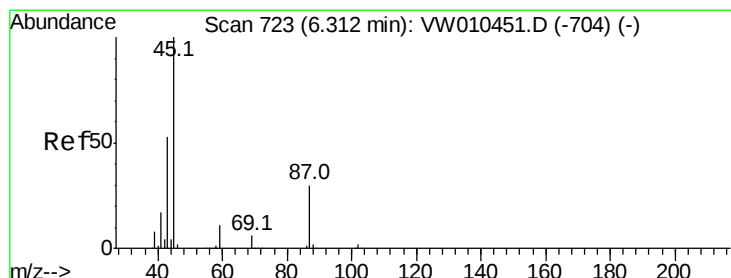
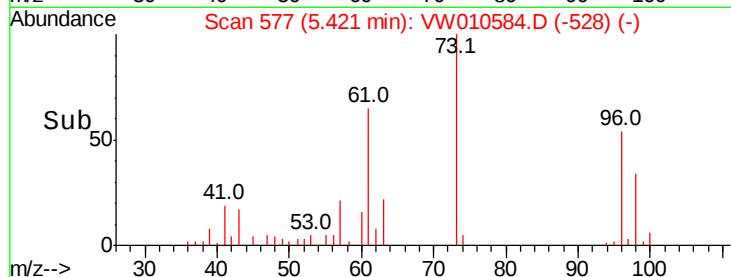
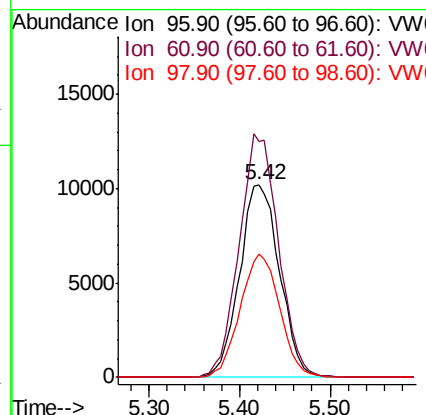
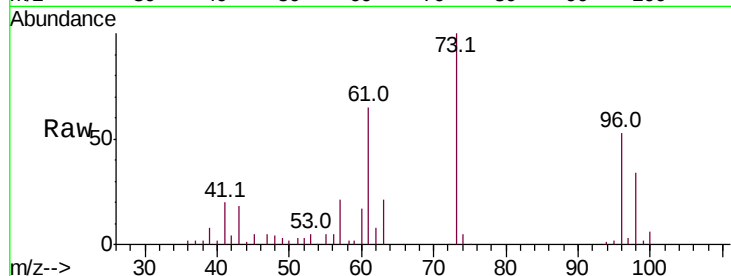
98 64.1 50.6 76.0

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#22

Diisopropyl ether

Concen: 20.394 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Tgt Ion: 45 Resp: 79529

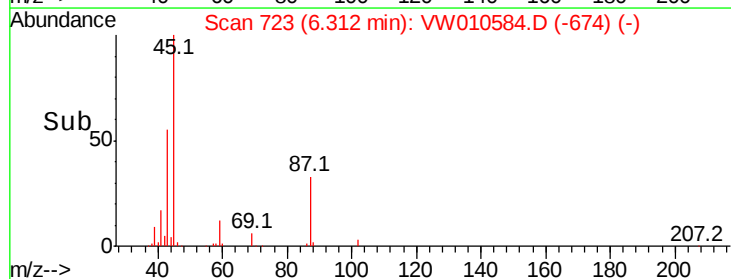
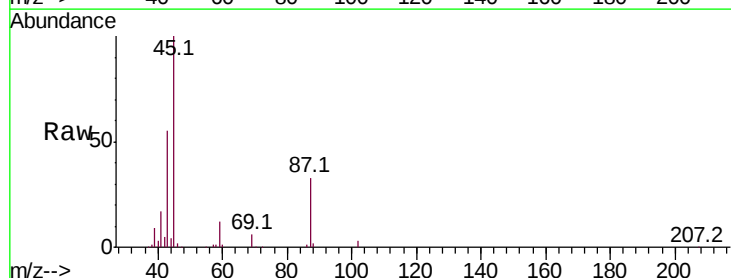
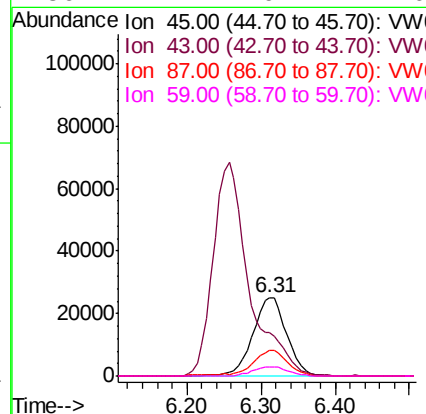
Ion Ratio Lower Upper

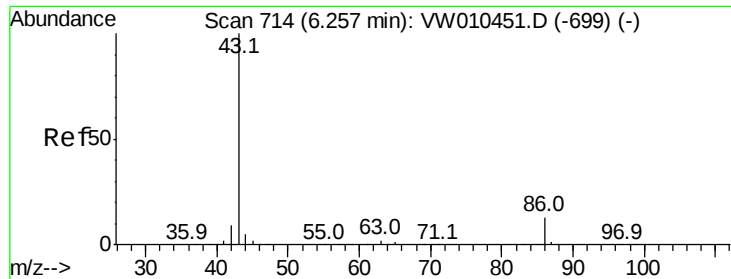
45 100

43 54.9 42.9 64.3

87 32.9 24.6 36.8

59 12.2 9.4 14.0





#23

Vinyl Acetate

Concen: 98.732 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 43 Resp: 229992

Ion Ratio Lower Upper

43 100

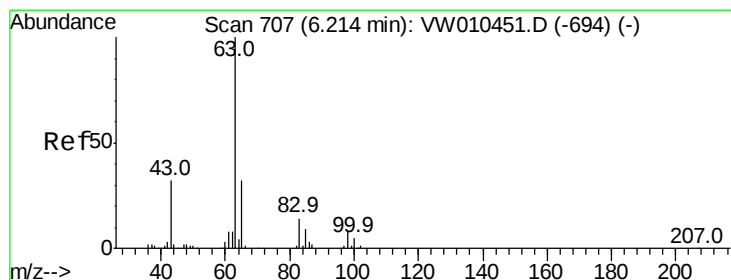
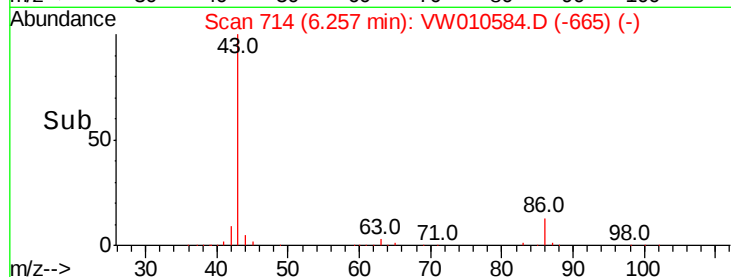
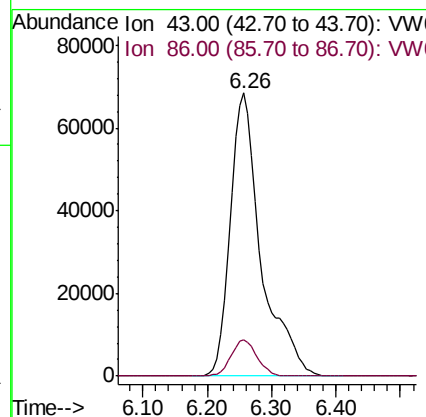
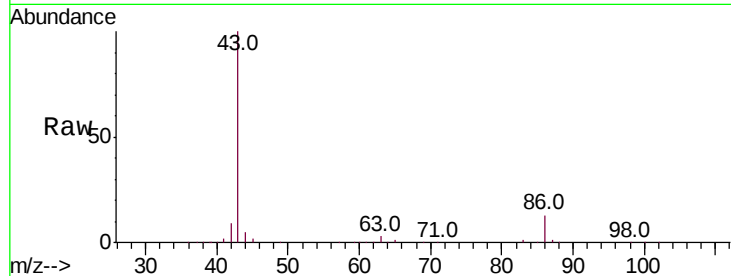
86 12.7 10.3 15.5

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#24

1,1-Dichloroethane

Concen: 21.167 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

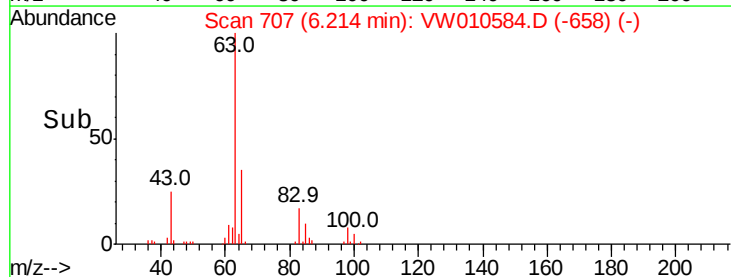
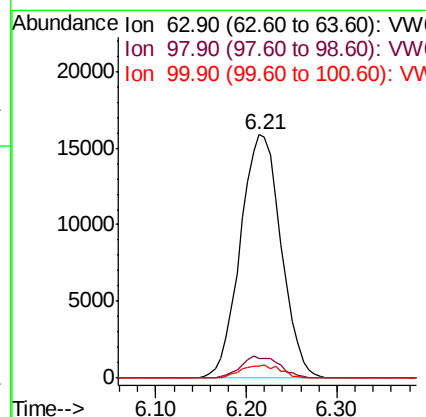
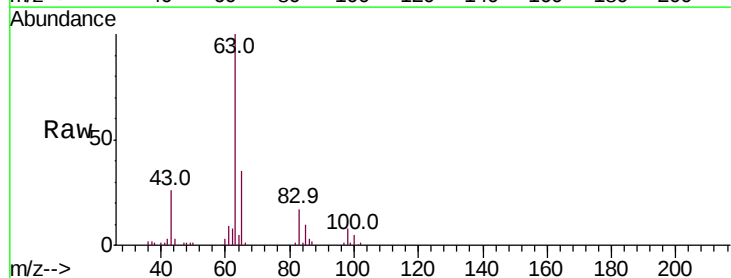
Tgt Ion: 63 Resp: 49259

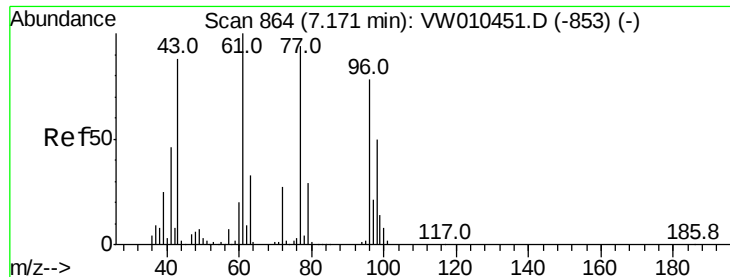
Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.2

100 4.9 2.5 7.4





#25

2-Butanone

Concen: 106.344 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 43 Resp: 39885

Ion Ratio Lower Upper

43 100

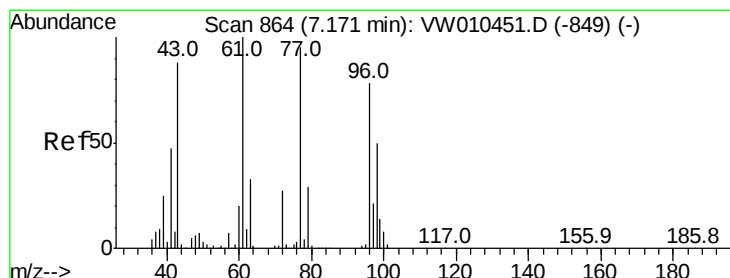
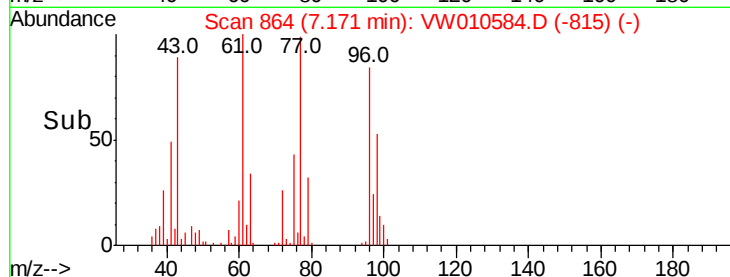
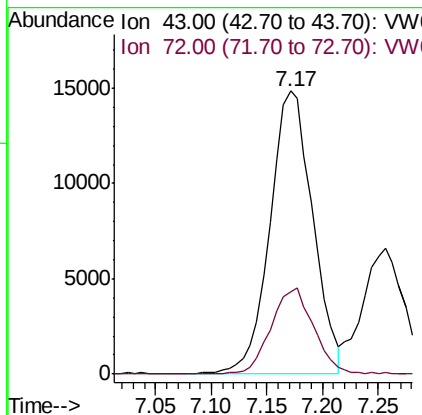
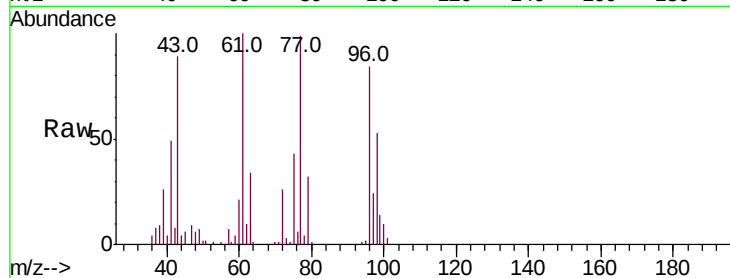
72 29.3 24.1 36.1

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#26

2,2-Dichloropropane

Concen: 22.673 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010584.D

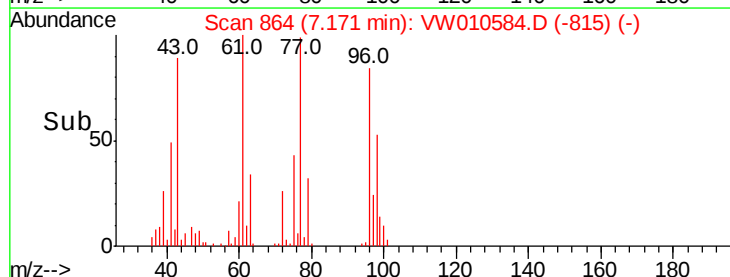
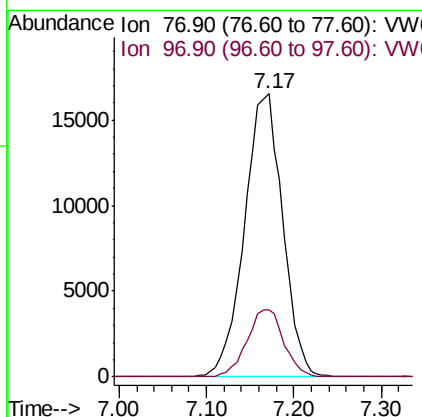
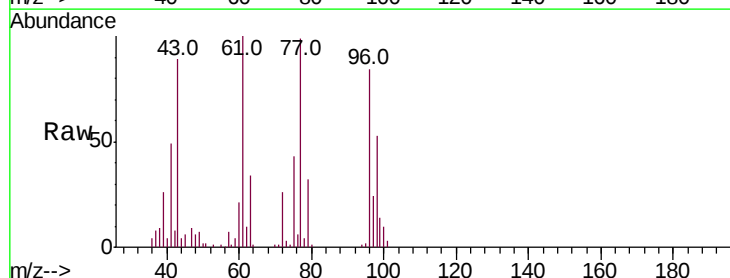
Acq: 29 May 2019 12:06

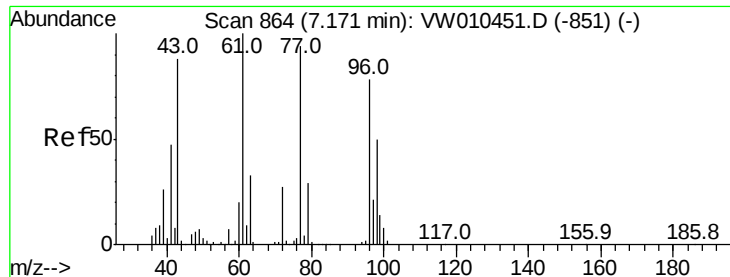
Tgt Ion: 77 Resp: 50260

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.0





#27

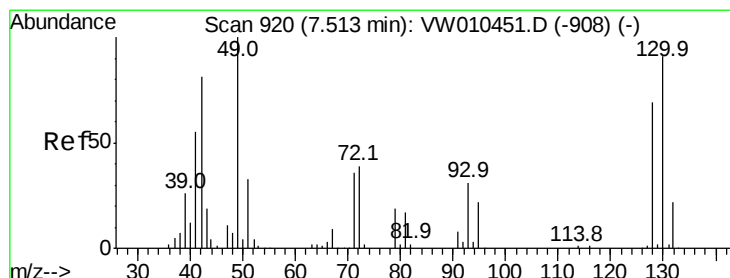
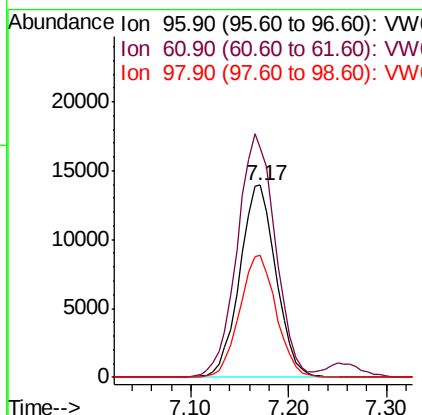
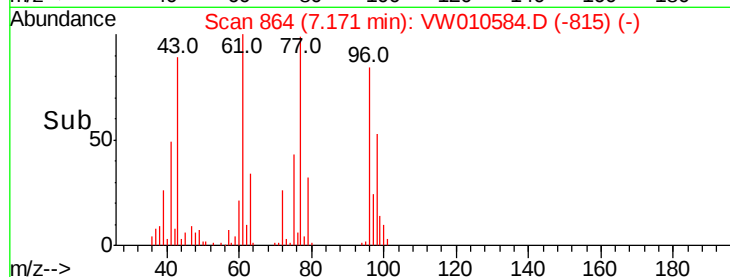
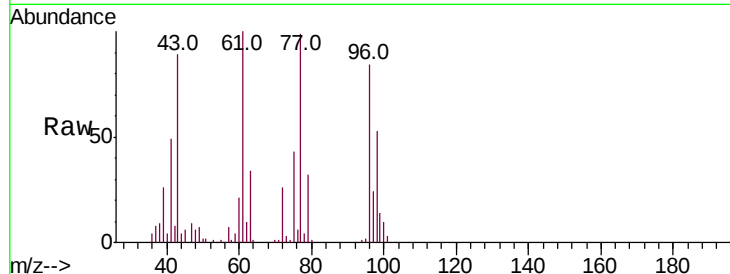
cis-1,2-Dichloroethene
 Concen: 21.927 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010584.D
 Acq: 29 May 2019 12:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.6	0.0	265.4
98	64.0	0.0	129.4

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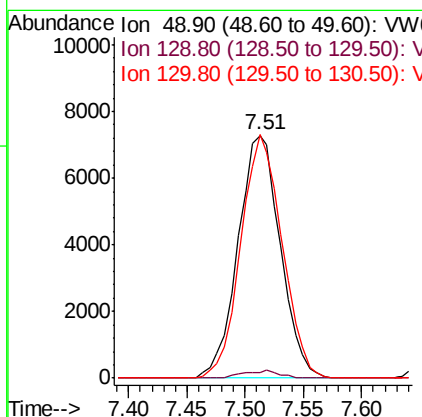
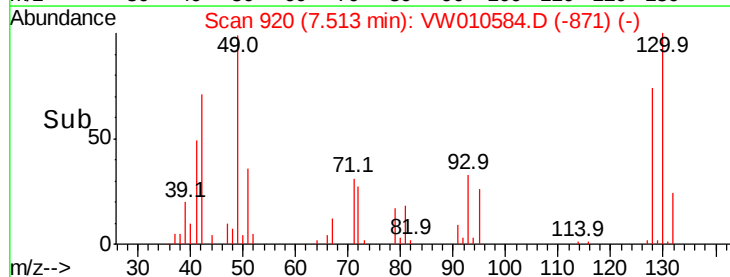
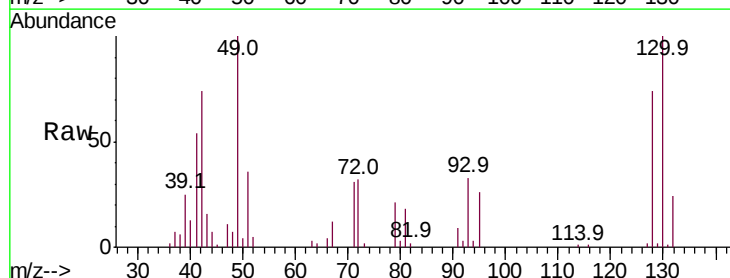
MMDadoda
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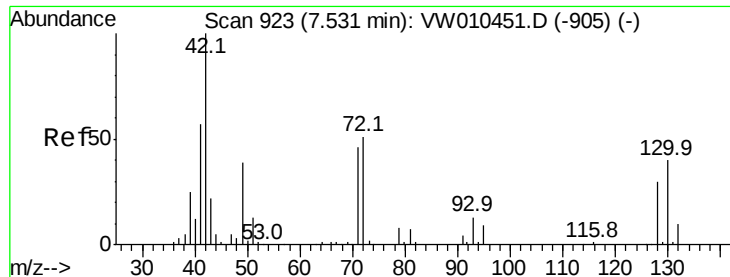


#28

Bromochloromethane
 Concen: 22.027 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010584.D
 Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	97.7	71.2	106.8





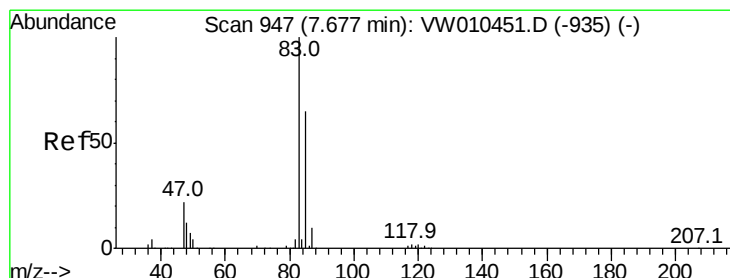
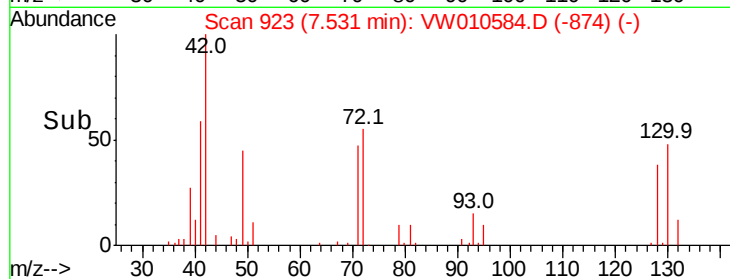
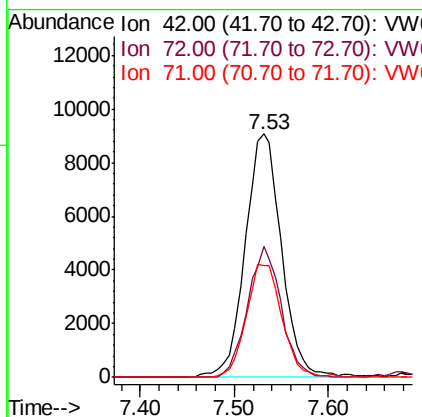
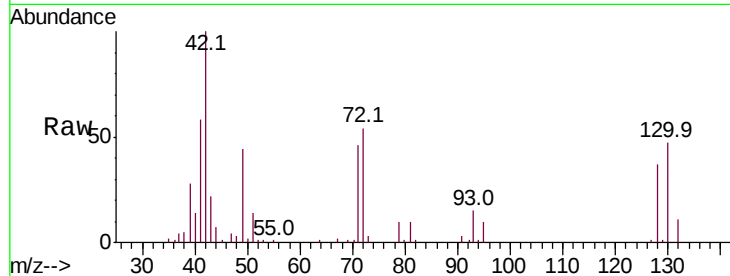
#29
Tetrahydrofuran
Concen: 95.747 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion:	42	Resp:	24300
Ion Ratio	Lower	Upper	
42	100		
72	49.8	38.5	57.7
71	45.9	36.5	54.7

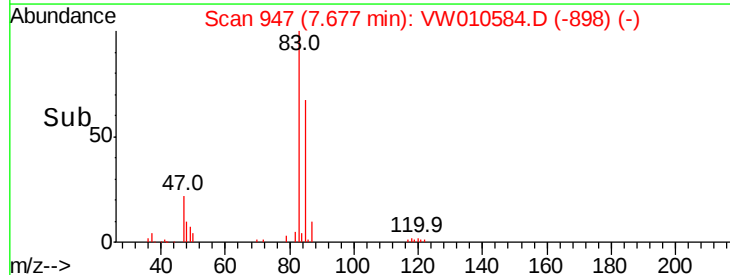
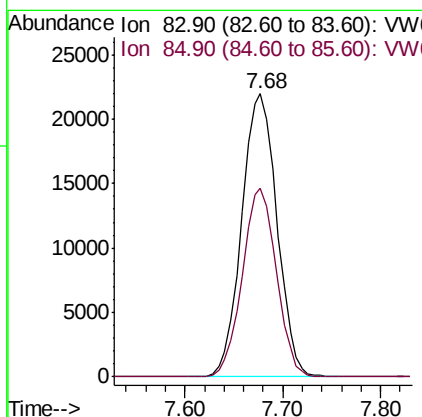
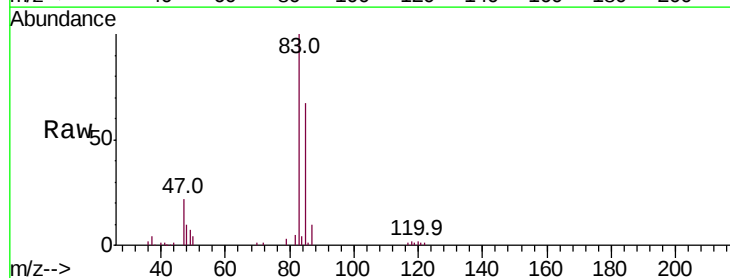
Manual Integrations
APPROVED

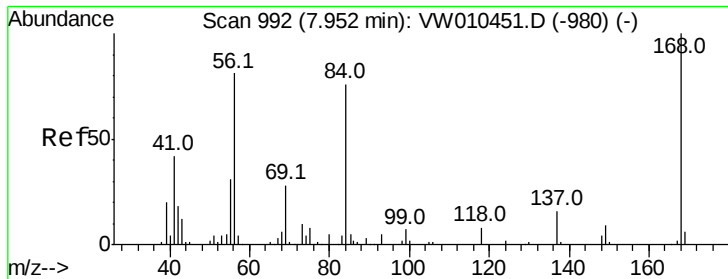
MMDadoda
5/30/2019 10:14:08 AM



#30
Chloroform
Concen: 21.816 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion:	83	Resp:	54762
Ion Ratio	Lower	Upper	
83	100		
85	66.5	52.2	78.4





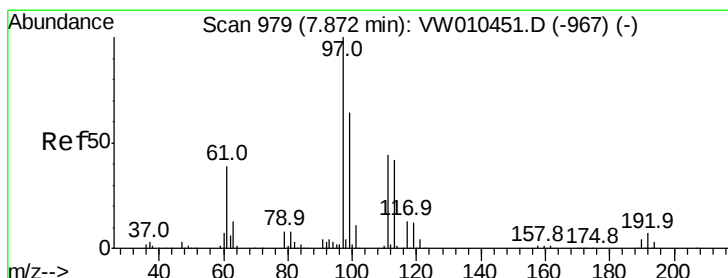
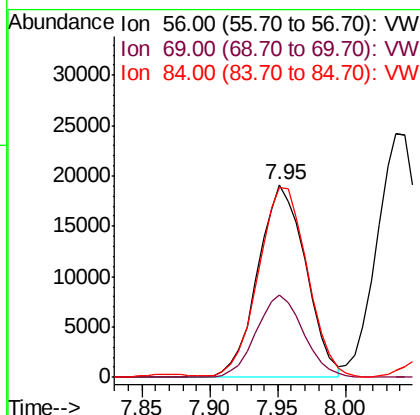
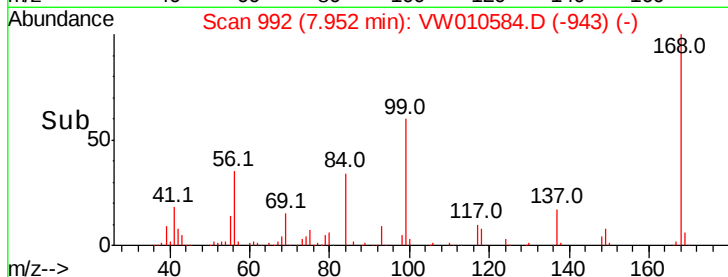
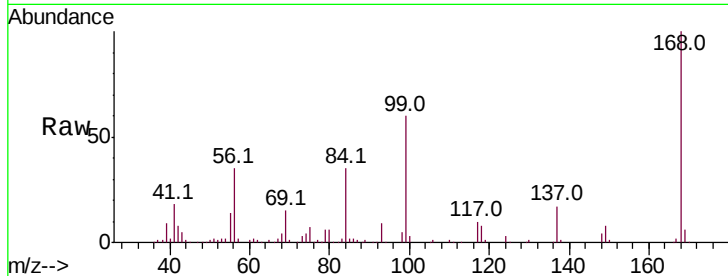
#31
Cyclohexane
Concen: 19.239 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampled :
VW0529SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.8	28.2	42.2#
84	97.6	75.8	113.8

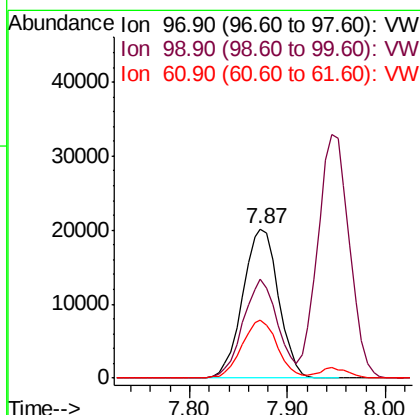
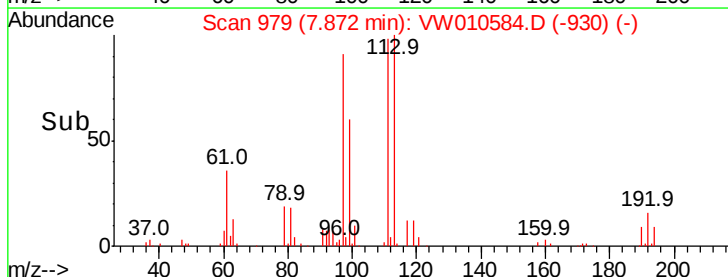
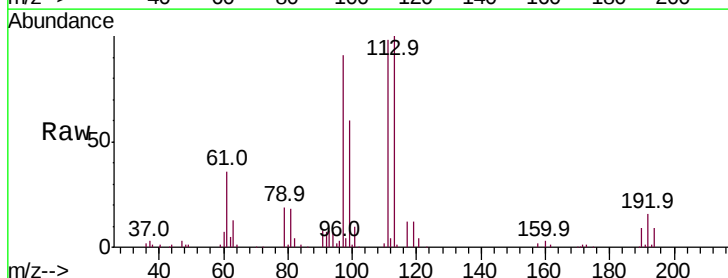
Manual Integrations
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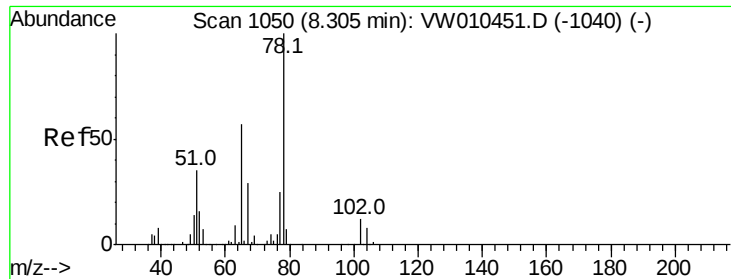
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.269 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.8	76.2
61	38.9	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 52.154 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBSD01

Tot Ion: 65 Resp: 66962

Ion Ratio Lower Upper

65 100

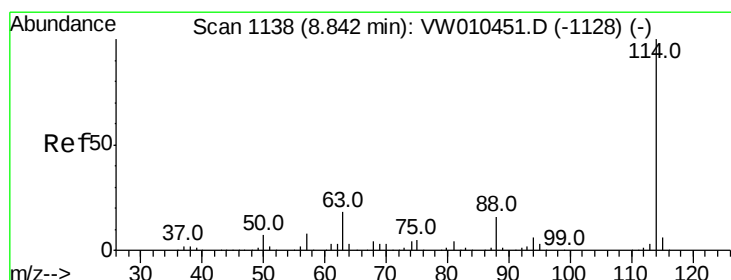
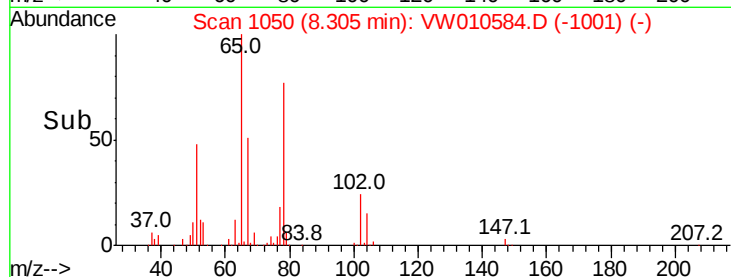
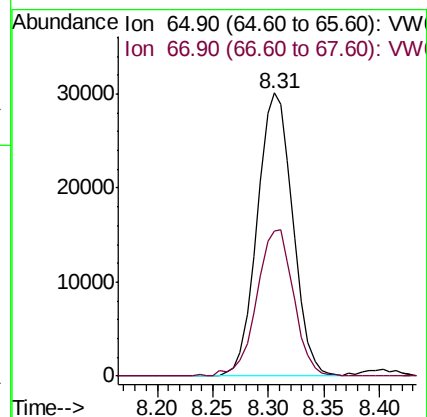
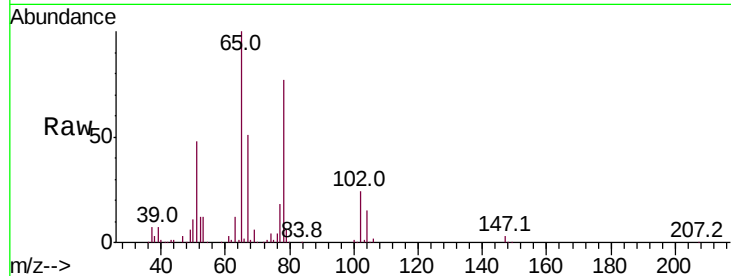
67 53.6 0.0 103.6

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: VW010584.D

Acq: 29 May 2019 12:06

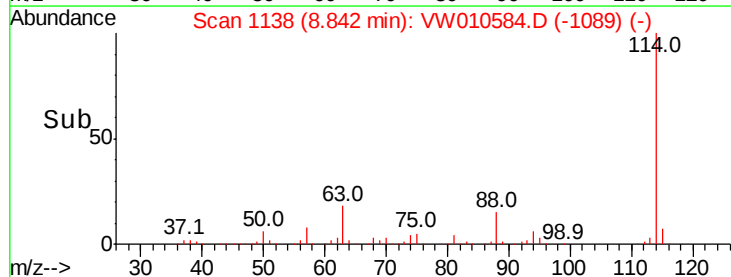
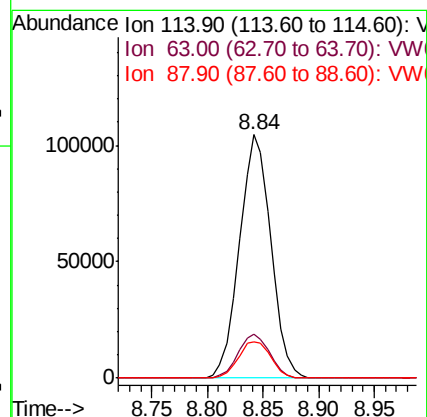
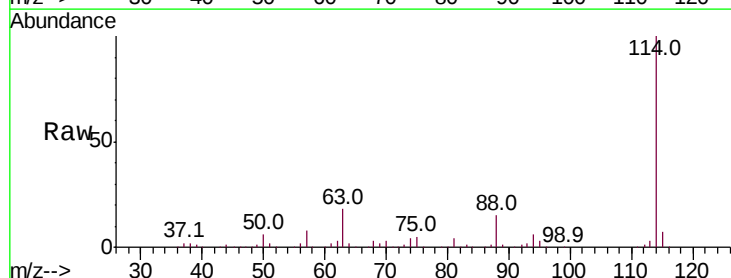
Tgt Ion: 114 Resp: 204477

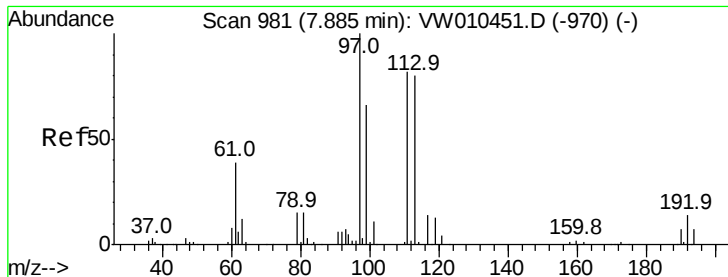
Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.0

88 15.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 56.830 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

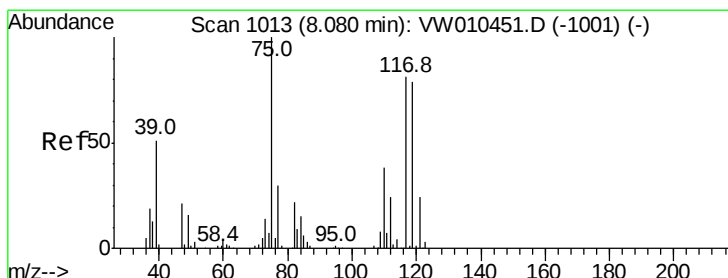
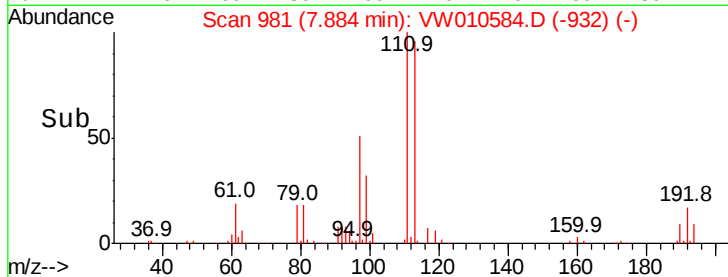
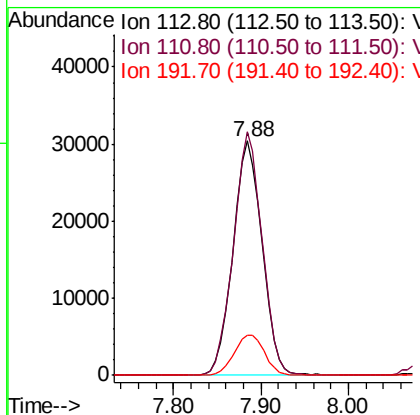
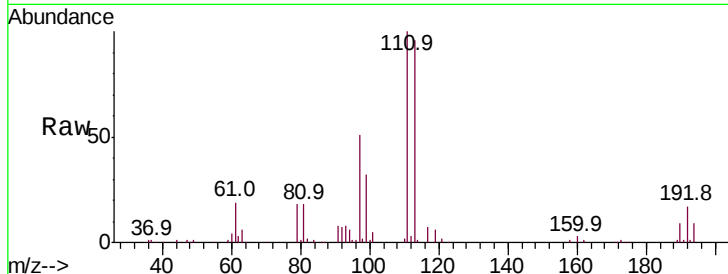
ClientSampleId :

VW0529SBS01

Tot Ion:	113	Resp:	70511
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.2	123.4
192	18.0	14.3	21.5

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#36

1,1-Dichloropropene

Concen: 22.244 ug/l

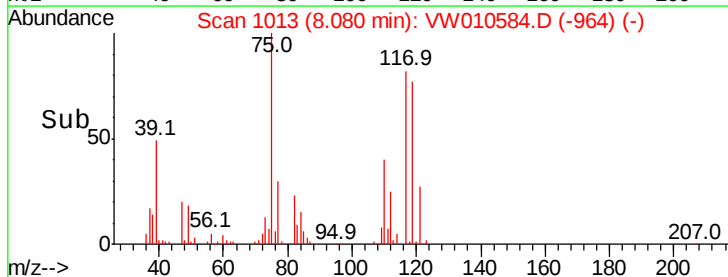
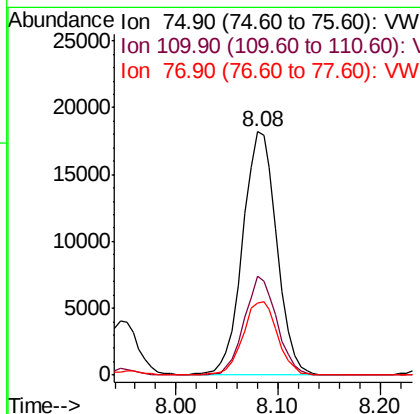
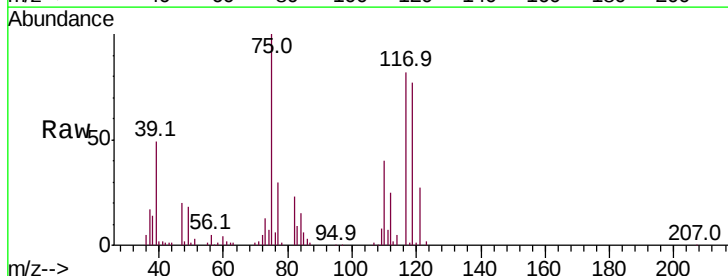
RT: 8.08 min Scan# 1013

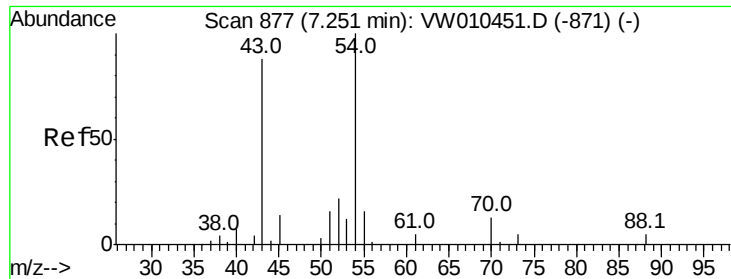
Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Tgt Ion:	75	Resp:	42370
Ion Ratio	Lower	Upper	
75	100		
110	38.6	19.2	57.6
77	30.5	25.2	37.8





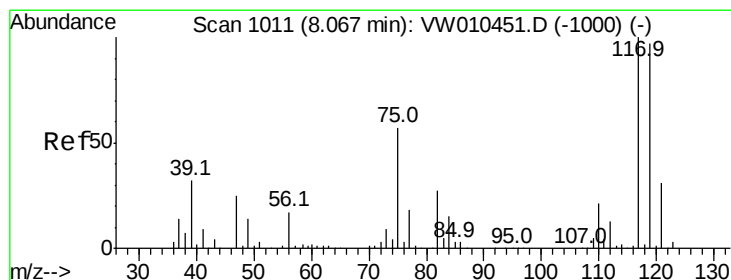
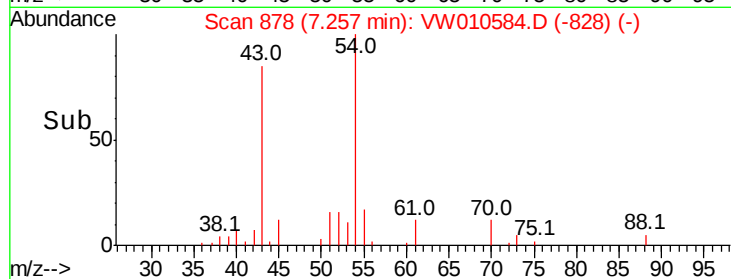
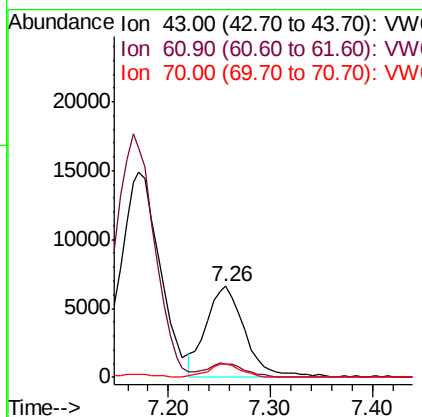
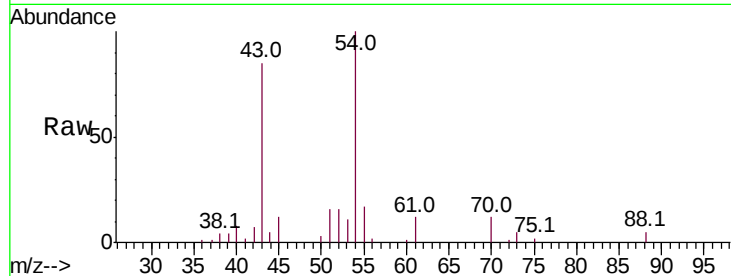
#37
Ethyl Acetate
Concen: 21.180 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion:	43	Resp:	17156
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.2	16.8
70	13.0	9.9	14.9

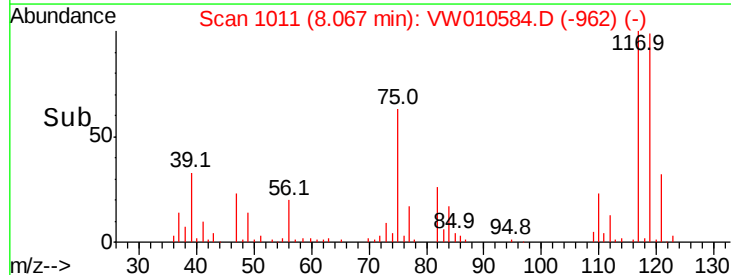
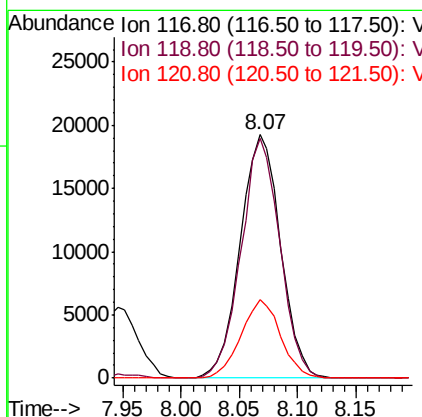
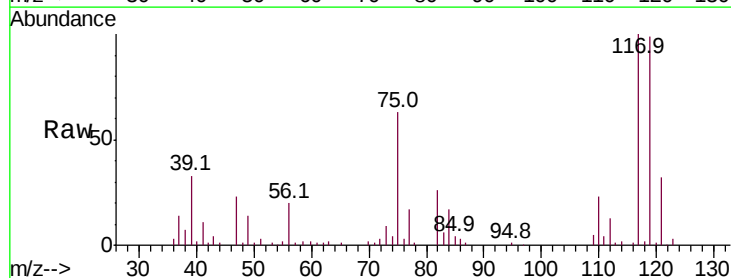
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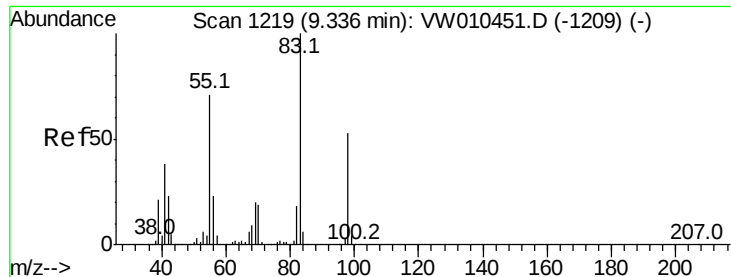
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#38
Carbon Tetrachloride
Concen: 22.614 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion:	117	Resp:	46467
Ion	Ratio	Lower	Upper
117	100		
119	98.6	77.4	116.0
121	32.1	25.0	37.6





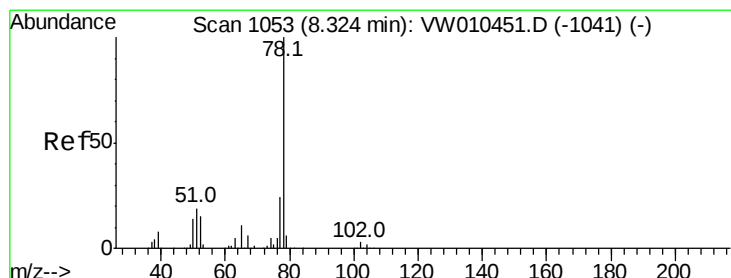
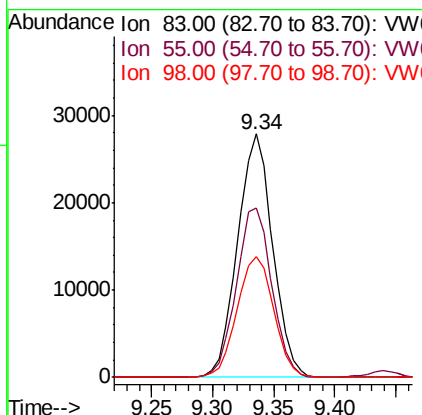
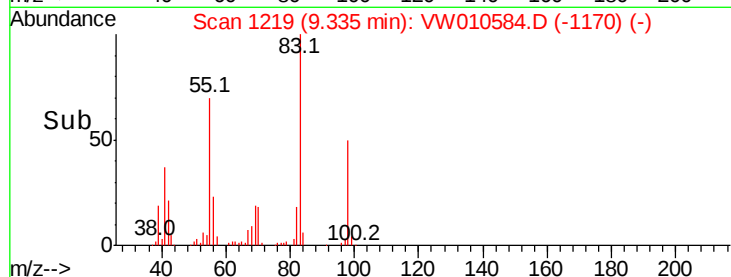
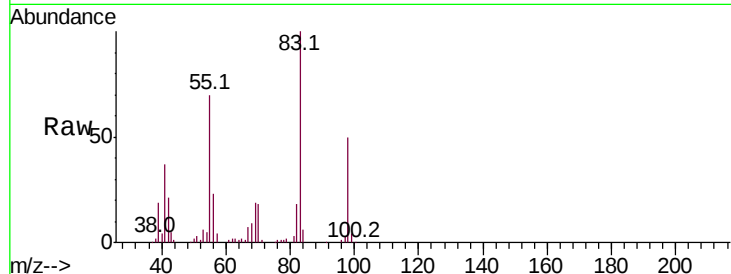
#39
Methvlcvclohexane
Concen: 21.748 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	69.7	57.0	85.6	
98	49.7	42.0	63.0	

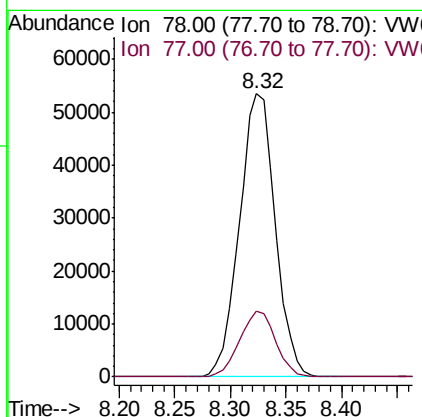
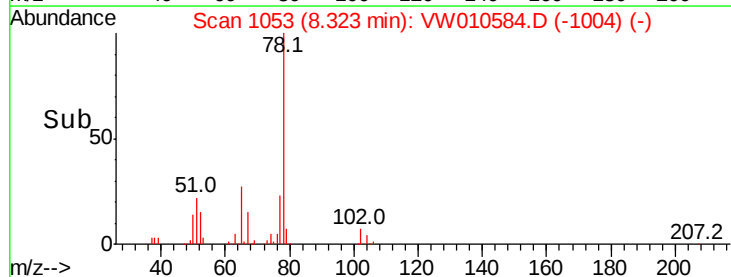
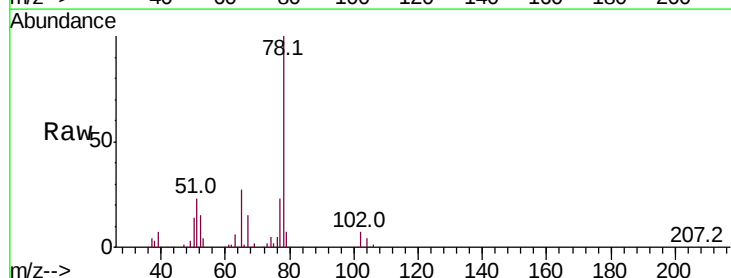
Manual Integrations
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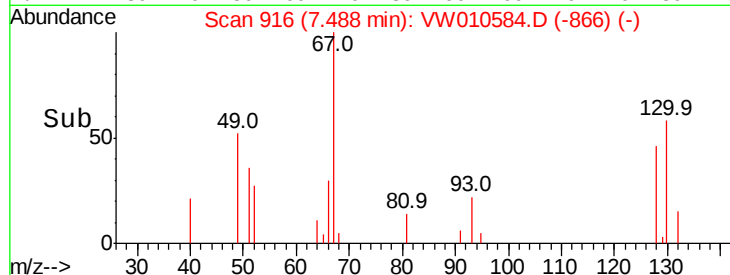
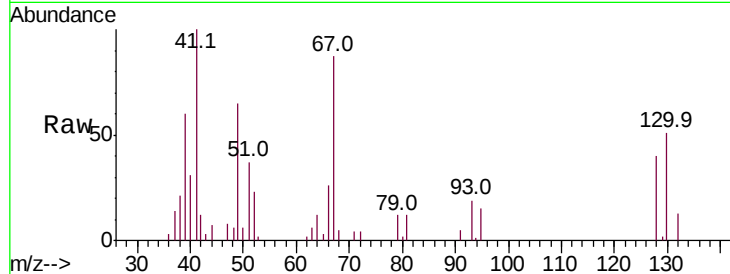
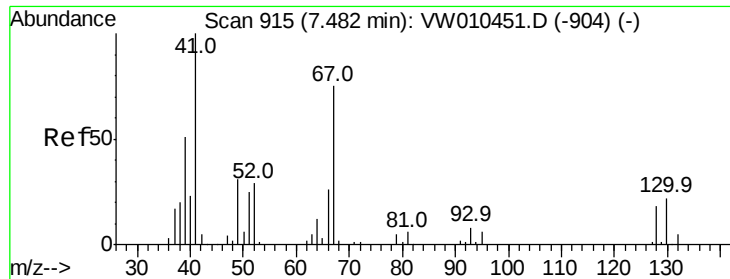
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#40
Benzene
Concen: 22.573 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.9	28.3	





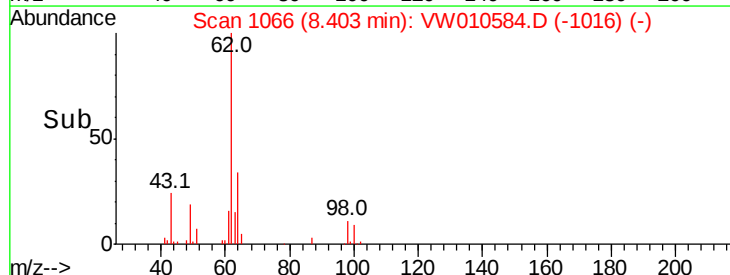
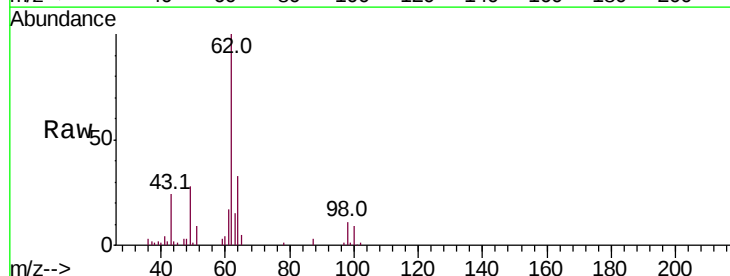
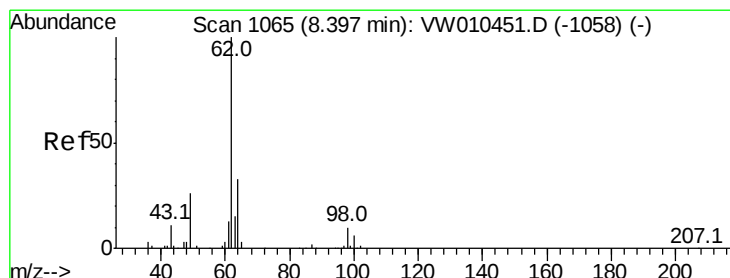
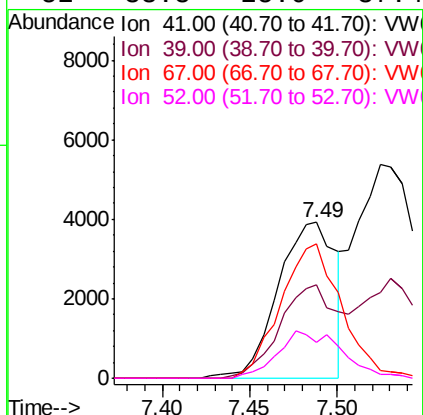
#41
Methacrylonitrile
Concen: 18.723 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tot Ion	41	Resp	9011
Ion Ratio	100	Lower	Upper
41	100		
39	62.6	47.4	71.2
67	91.1	65.5	98.3
52	33.8	25.0	37.4

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

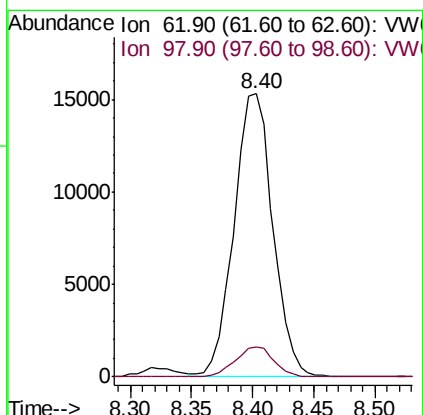
Manual Integrations
APPROVED

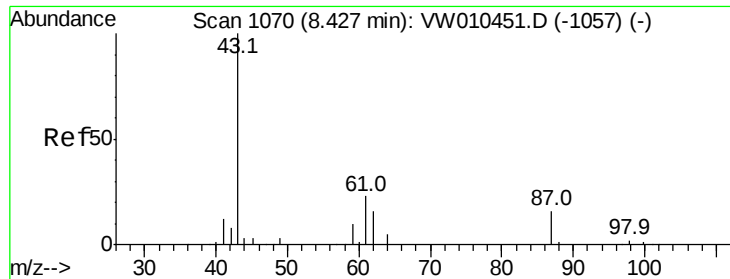
MMDadoda
5/30/2019 10:14:08 AM



#42
1,2-Dichloroethane
Concen: 22.323 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion	62	Resp	33778
Ion Ratio	100	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 20.311 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

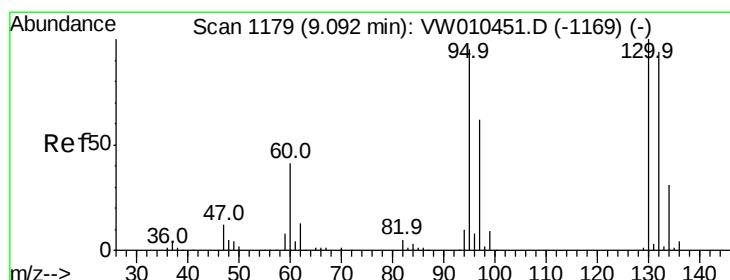
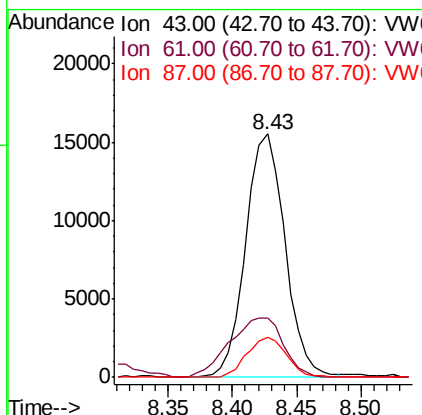
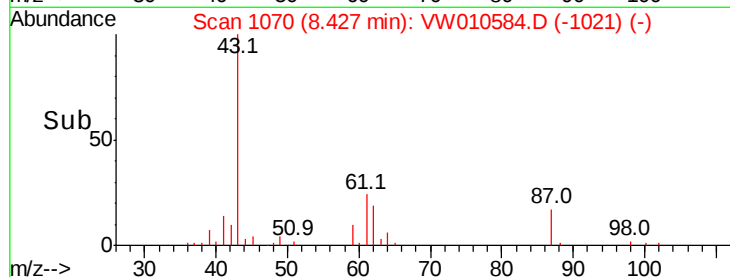
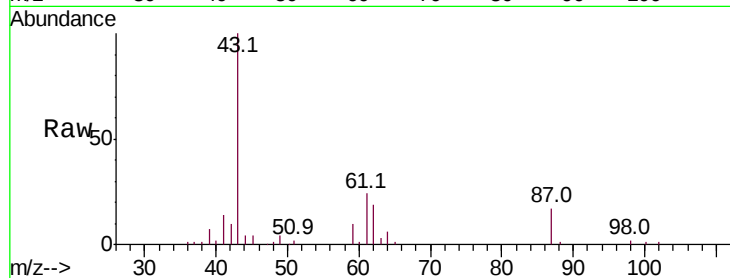
ClientSampleId :

VW0529SBS01

Tot Ion:	43	Resp:	32867
Ion	Ratio	Lower	Upper
43	100		
61	33.3	25.4	38.2
87	16.7	12.7	19.1

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#44

Trichloroethene

Concen: 23.274 ug/l

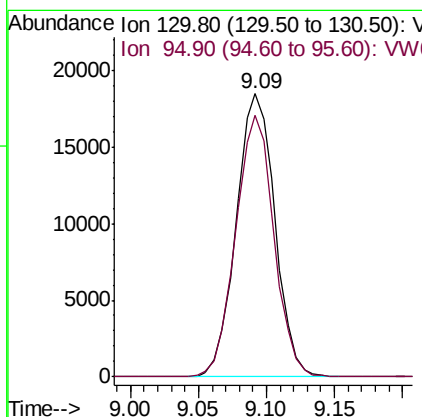
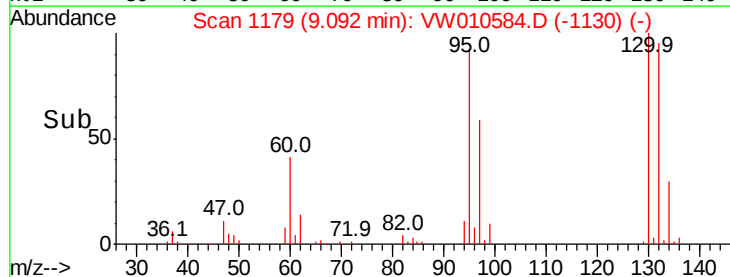
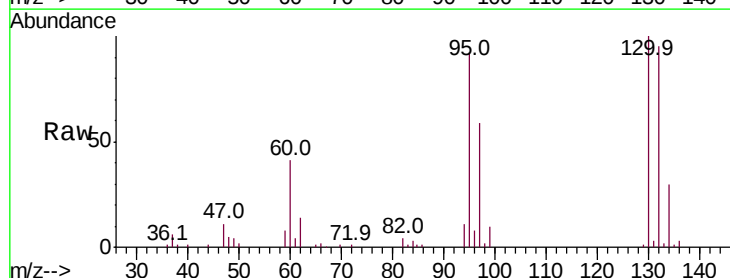
RT: 9.09 min Scan# 1179

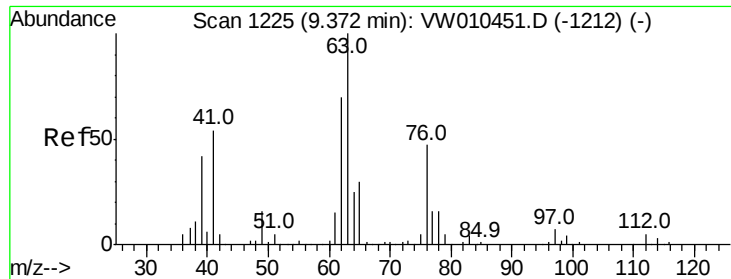
Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Tgt Ion:	130	Resp:	36582
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	189.6





#45

1,2-Dichloropropane

Concen: 22.462 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 63 Resp: 28243

Ion Ratio Lower Upper

63 100

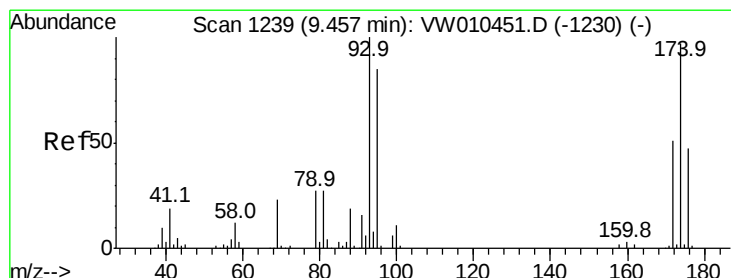
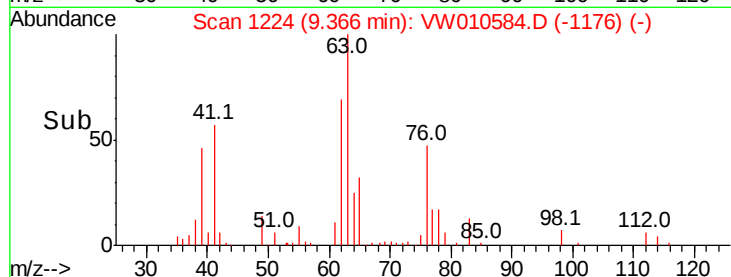
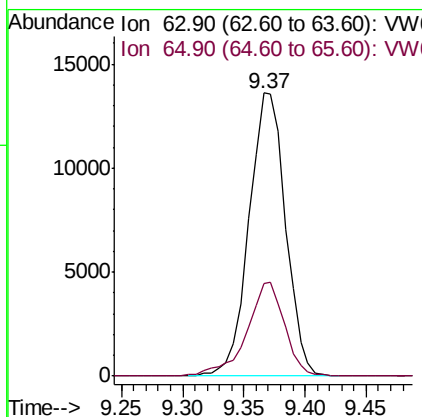
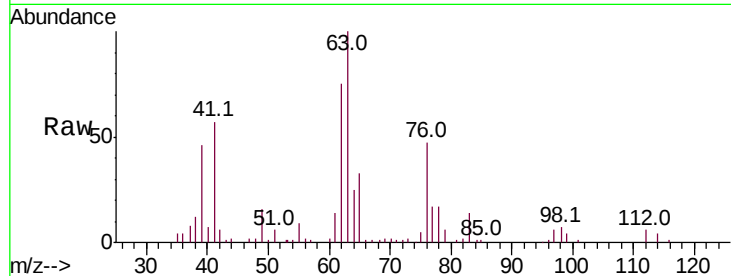
65 32.5 24.3 36.5

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#46

Dibromomethane

Concen: 22.459 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

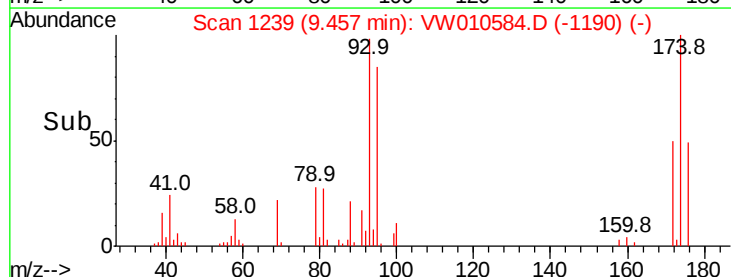
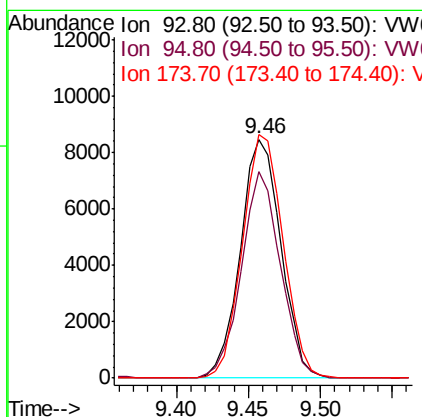
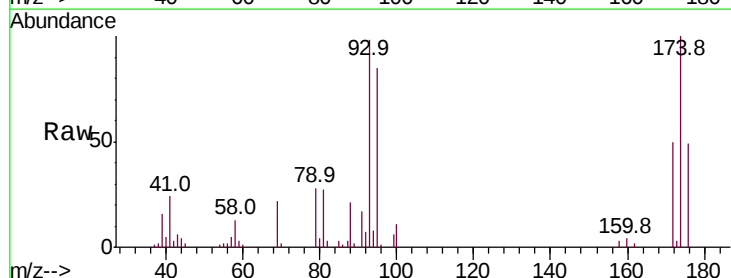
Tgt Ion: 93 Resp: 16515

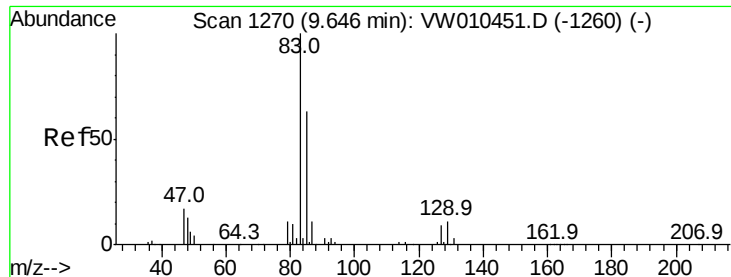
Ion Ratio Lower Upper

93 100

95 83.2 66.1 99.1

174 102.4 77.1 115.7





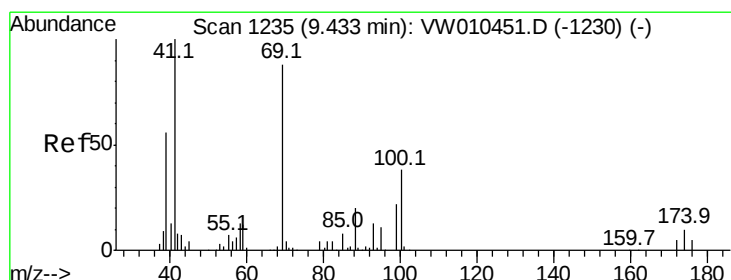
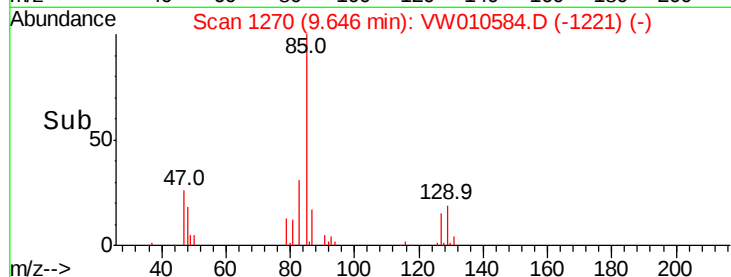
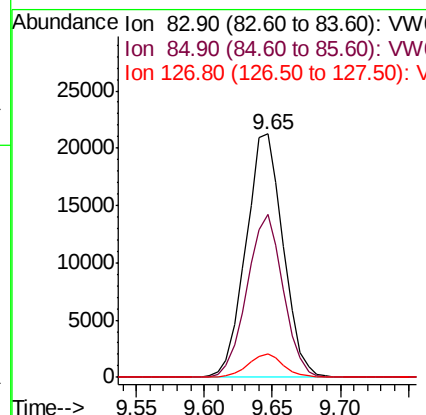
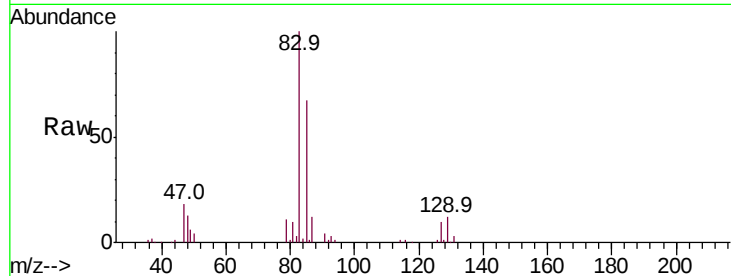
#47
Bromodichloromethane
Concen: 21.974 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	40605		
85	67.0		50.4	75.6
127	9.8		7.4	11.0

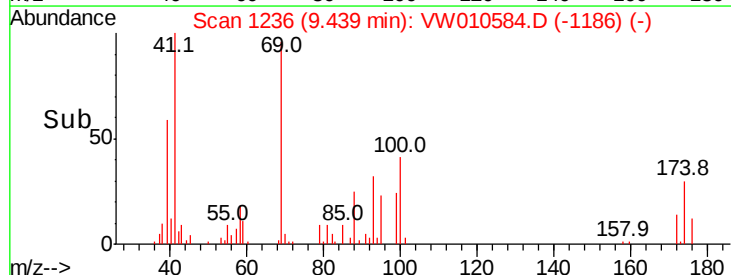
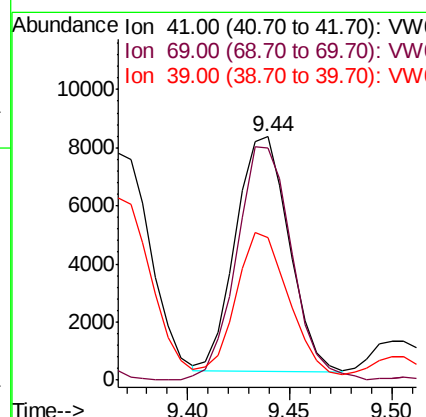
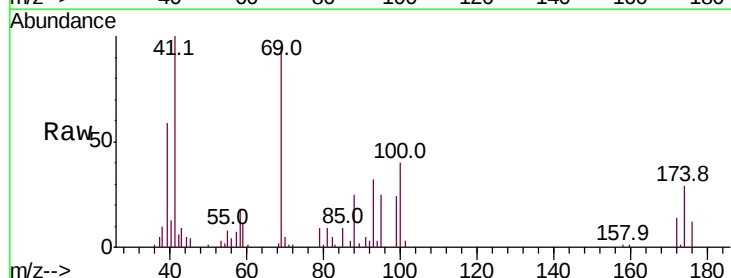
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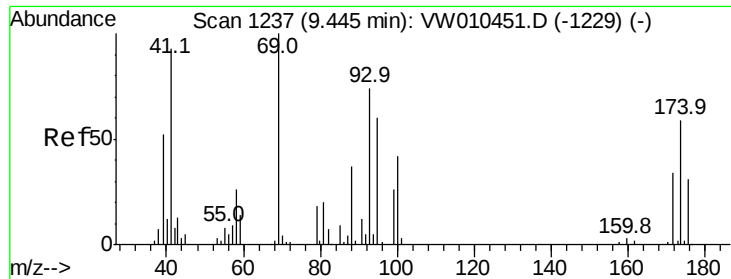
MMDadoda
5/30/2019 10:14:08 AM



#48
Methyl methacrylate
Concen: 19.797 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	14656		
69	103.2		77.6	116.4
39	64.8		49.8	74.8





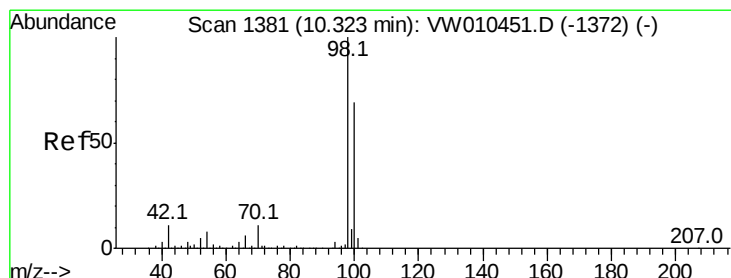
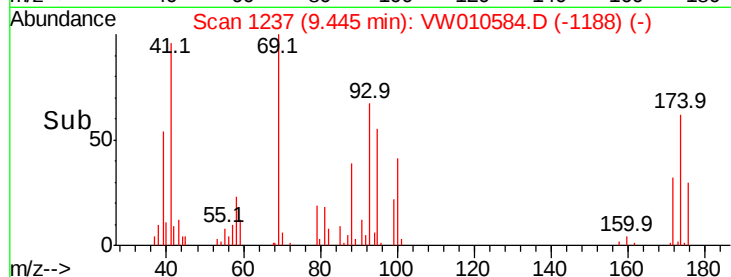
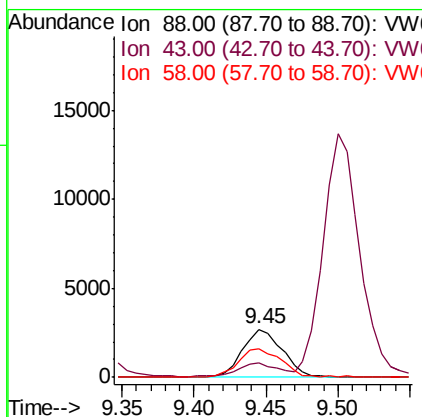
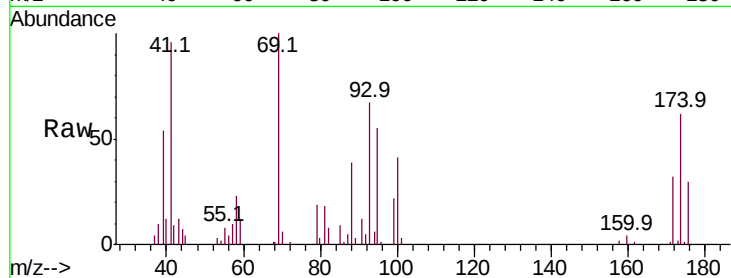
#49
1,4-Dioxane
Concen: 431.640 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBSD01

Tot Ion	88	Resp	5185
Ion	Ratio	Lower	Upper
88	100		
43	32.6	25.9	38.9
58	64.8	52.7	79.1

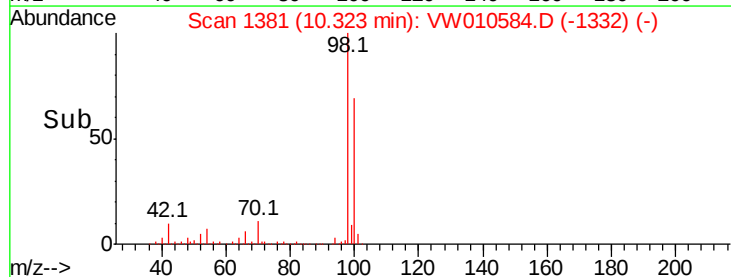
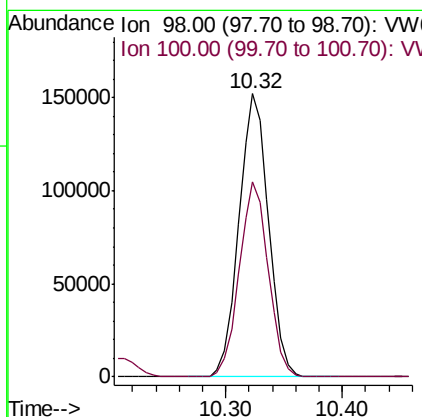
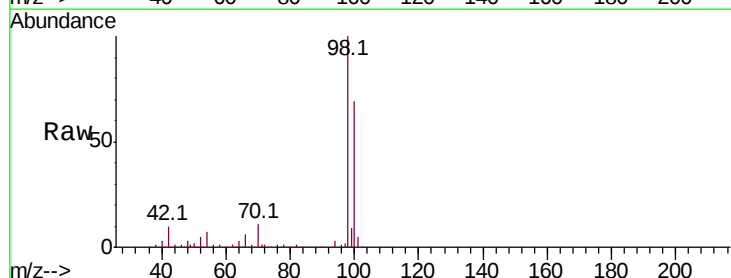
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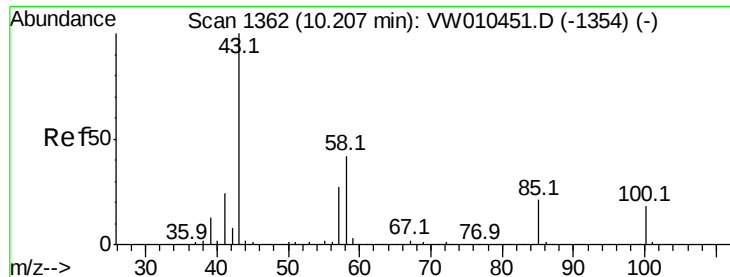
MMDadoda
5/30/2019 10:14:08 AM



#50
Toluene-d8
Concen: 56.528 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion	98	Resp	267937
Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 104.095 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleID :

VW0529SBS01

Tot Ion: 43 Resp: 85357

Ion Ratio Lower Upper

43 100

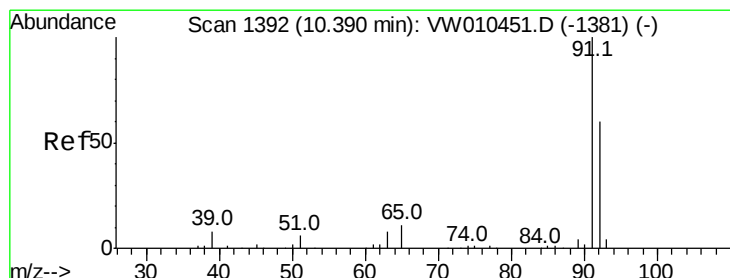
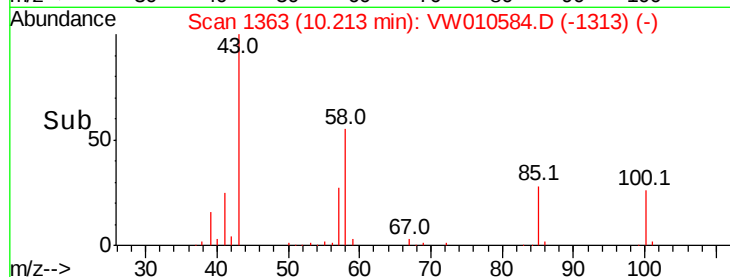
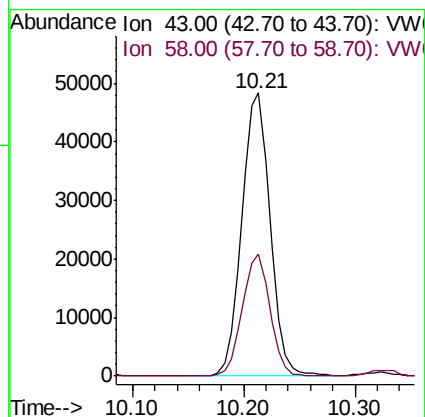
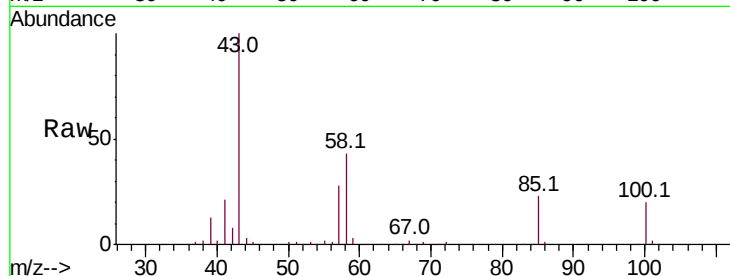
58 42.2 33.2 49.8

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#52

Toluene

Concen: 23.101 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010584.D

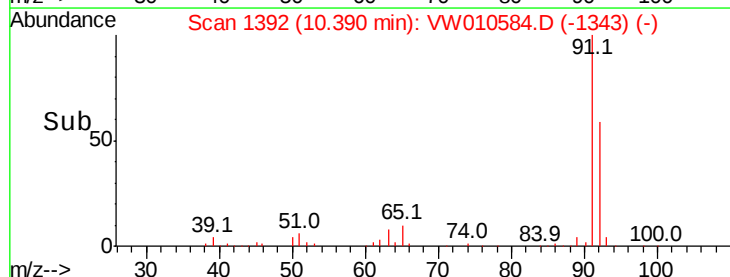
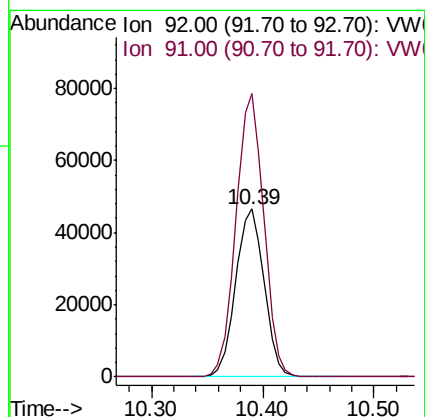
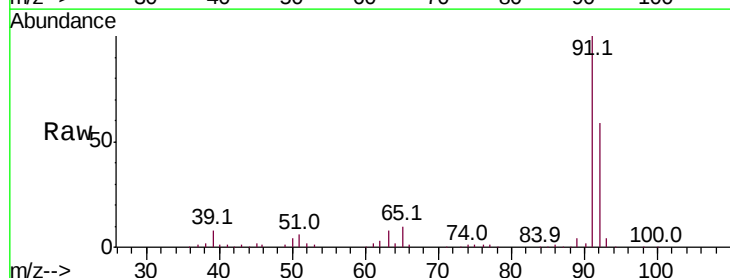
Acq: 29 May 2019 12:06

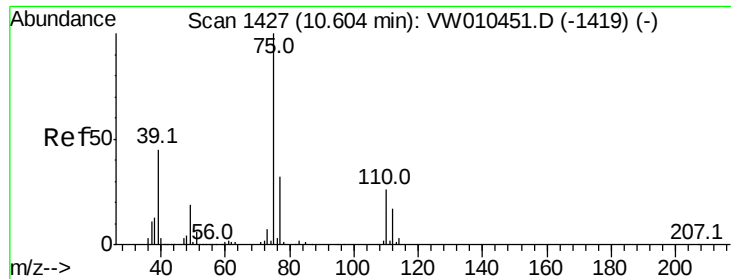
Tgt Ion: 92 Resp: 82137

Ion Ratio Lower Upper

92 100

91 165.8 135.4 203.0





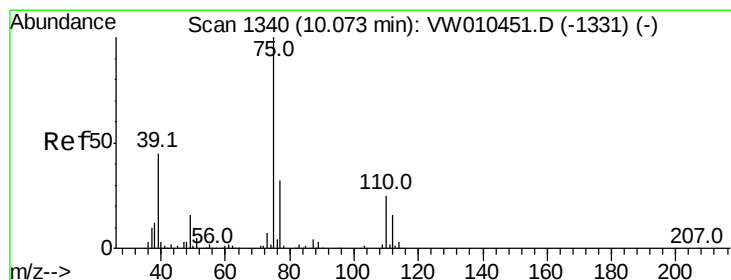
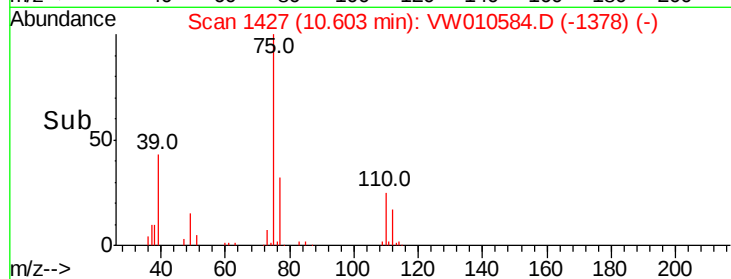
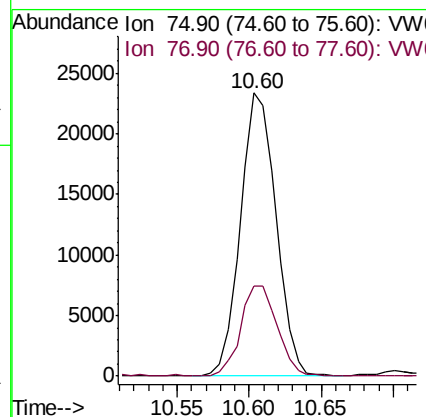
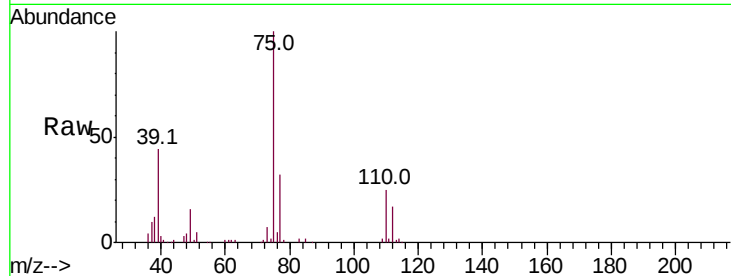
#53
 t-1,3-Dichloropropene
 Concen: 21.423 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010584.D
 Acq: 29 May 2019 12:06

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0529SBS01

Tot Ion	75	Resp	40094
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.4	38.0

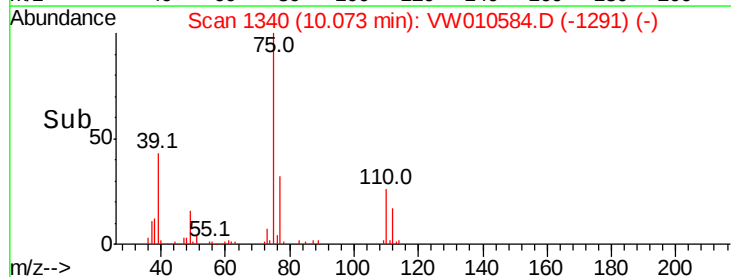
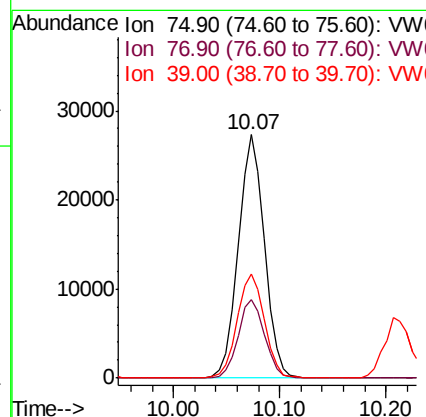
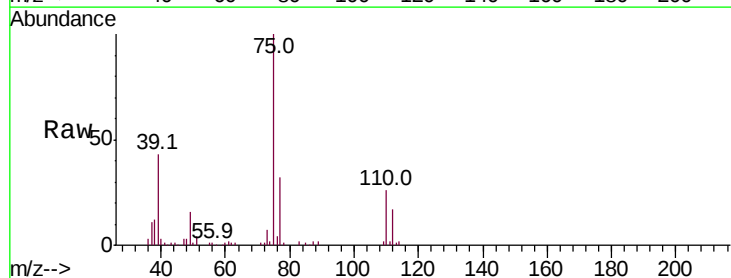
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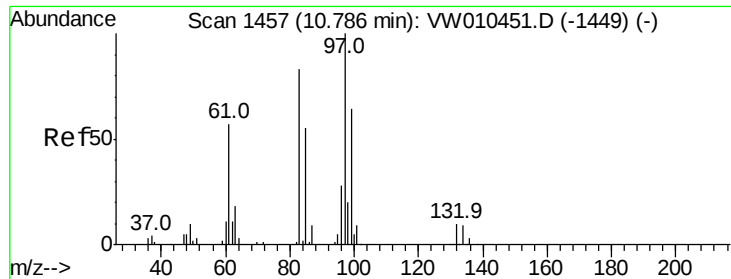
MMDadoda
 5/30/2019 10:14:08 AM



#54
 cis-1,3-Dichloropropene
 Concen: 22.070 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010584.D
 Acq: 29 May 2019 12:06

Tgt Ion	75	Resp	47172
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.7	38.5
39	42.9	36.2	54.4





#55

1,1,2-Trichloroethane

Concen: 23.287 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

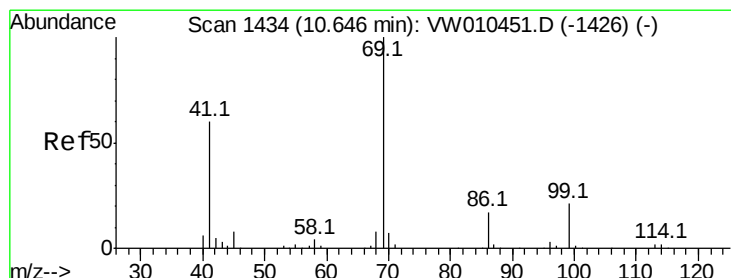
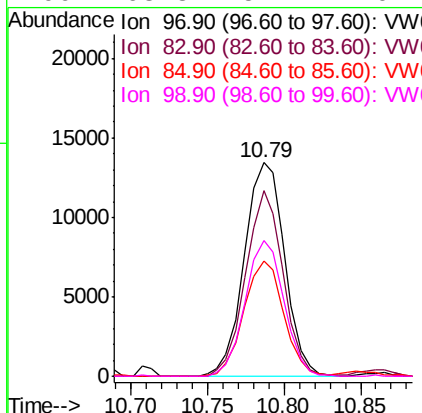
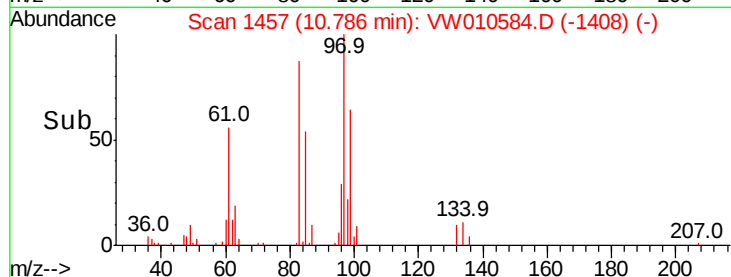
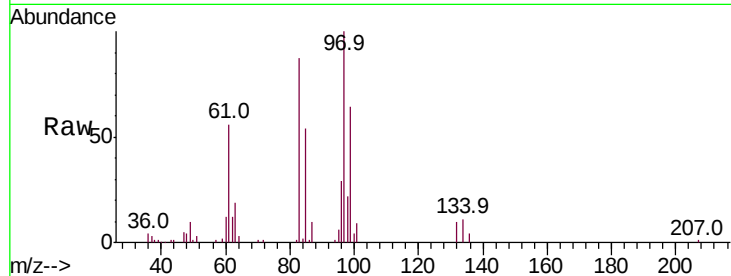
ClientSampleId :

VW0529SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		24624		
83	87.0	66.1	99.1		
85	53.8	44.2	66.4		
99	63.8	51.1	76.7		

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#56

Ethyl methacrylate

Concen: 20.771 ug/l

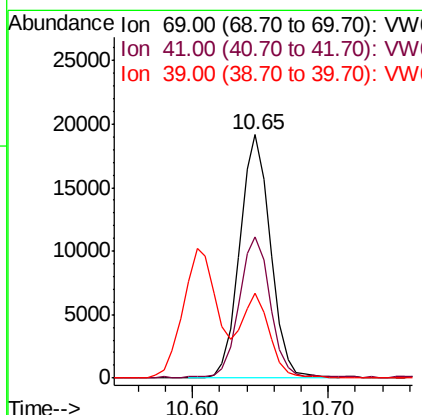
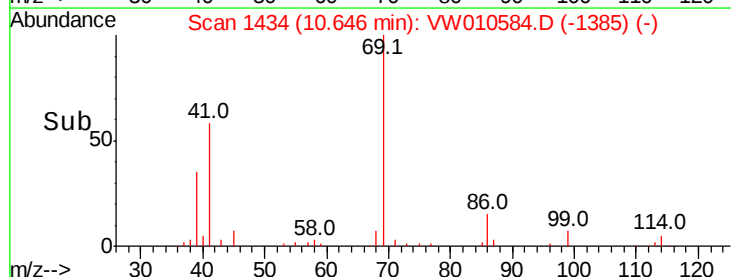
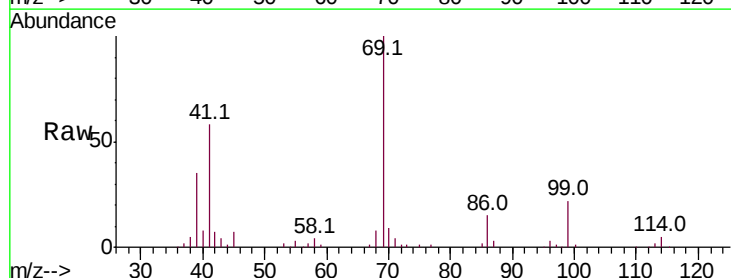
RT: 10.65 min Scan# 1434

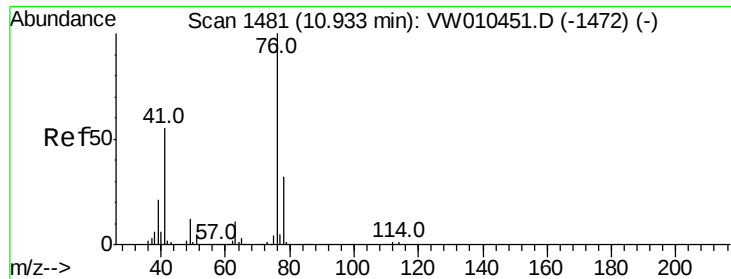
Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		30292		
41	59.4	47.7	71.5		
39	31.8	25.3	37.9		





#57

1,3-Dichloropropane

Concen: 22.579 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 76 Resp: 39993

Ion Ratio Lower Upper

76 100

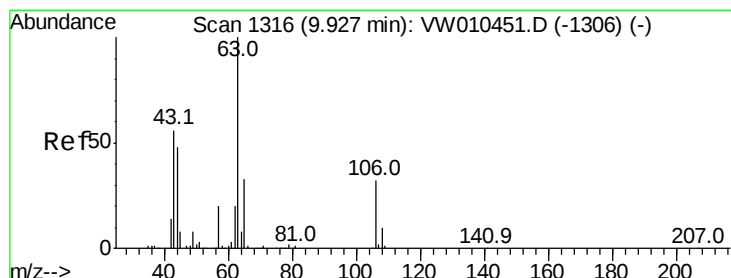
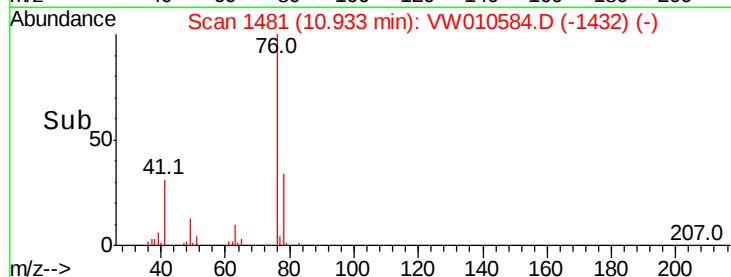
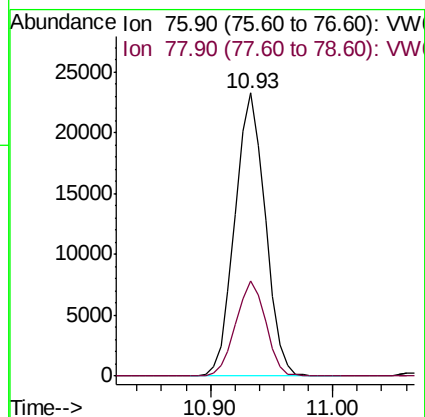
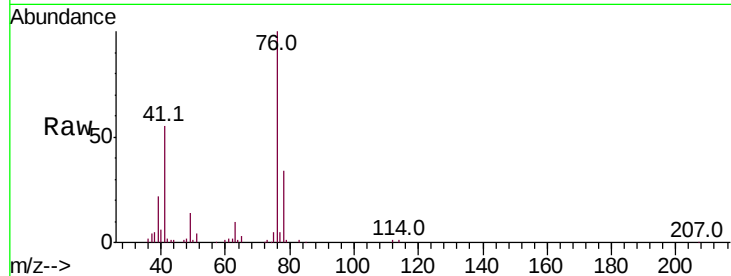
78 33.0 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 114.414 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010584.D

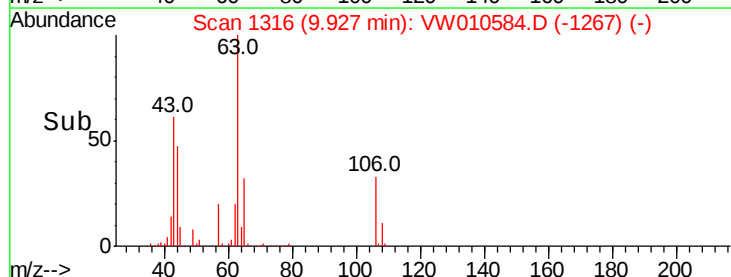
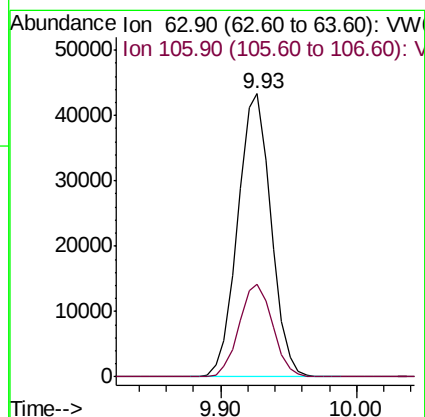
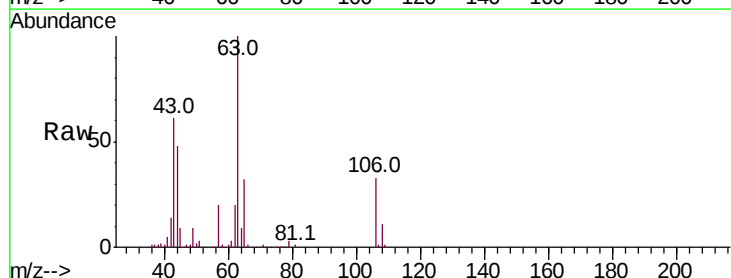
Acq: 29 May 2019 12:06

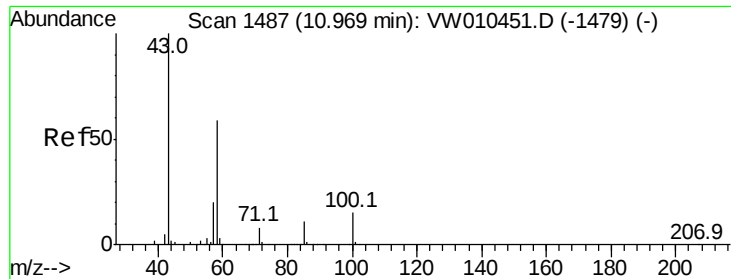
Tgt Ion: 63 Resp: 73907

Ion Ratio Lower Upper

63 100

106 32.9 25.8 38.6





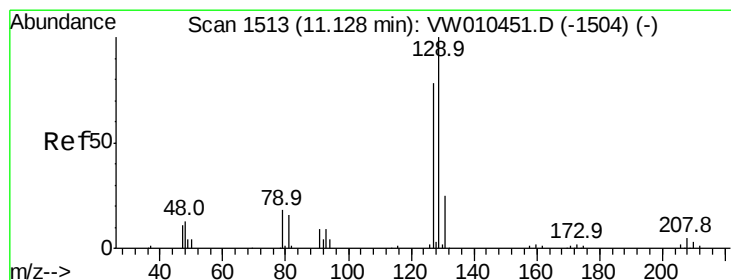
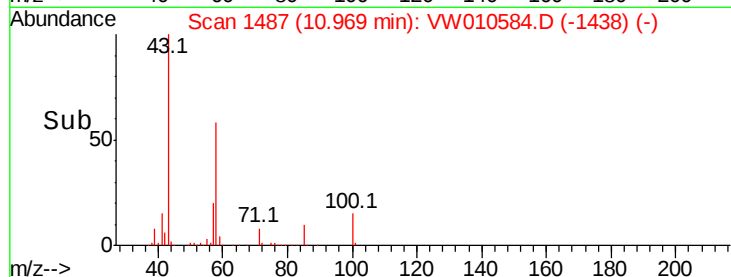
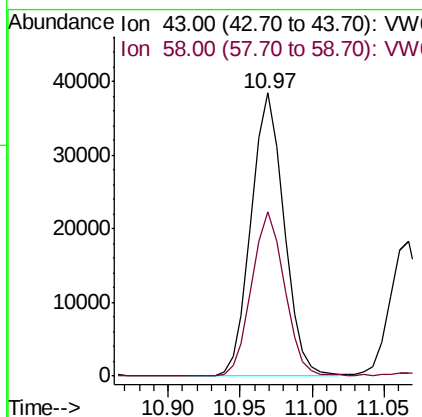
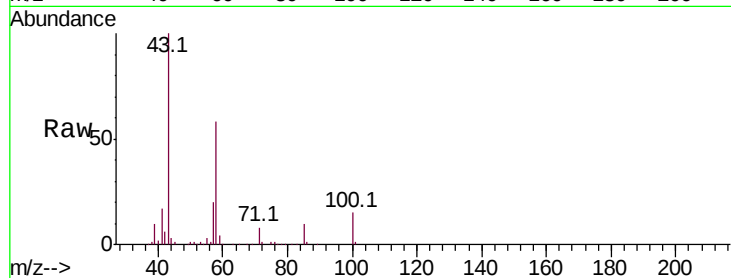
#59
2-Hexanone
Concen: 104.229 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBSD01

Tot Ion	43	58	Ratio	100	57.9	Resp	60968	Lower	Upper
Ion	43	58	Ratio	100	57.9	Resp	60968	Lower	Upper
								28.9	86.8

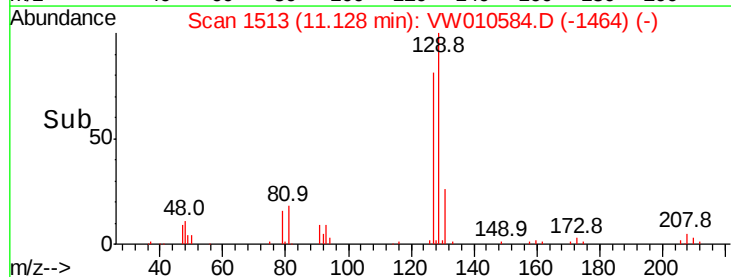
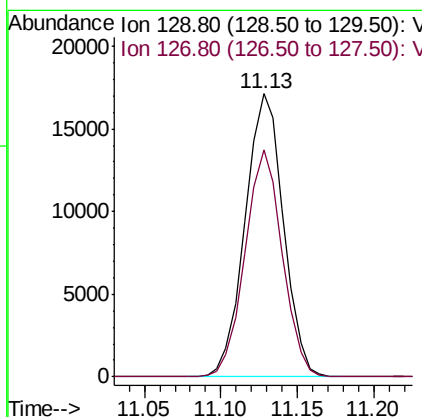
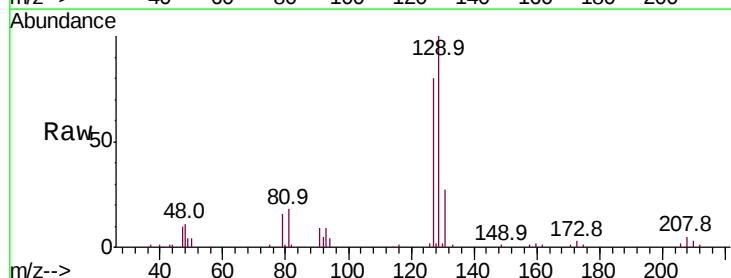
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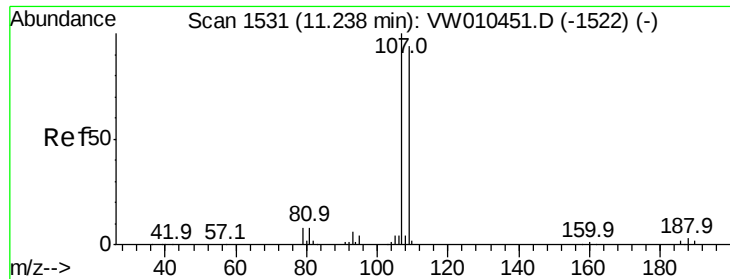
MMDadoda
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#60
Dibromochloromethane
Concen: 22.297 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion	129	127	Ratio	100	77.8	Resp	29840	Lower	Upper
Ion	129	127	Ratio	100	77.8	Resp	29840	Lower	Upper
								38.9	116.7





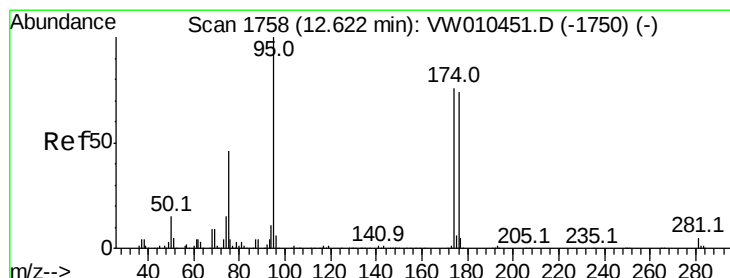
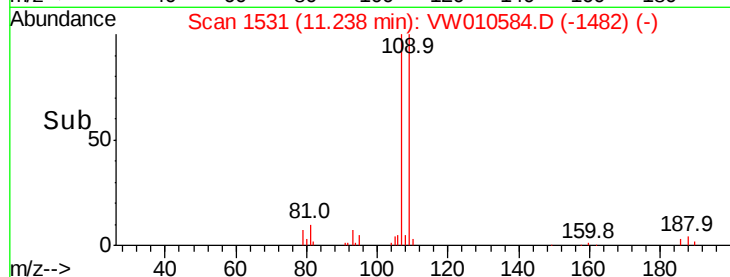
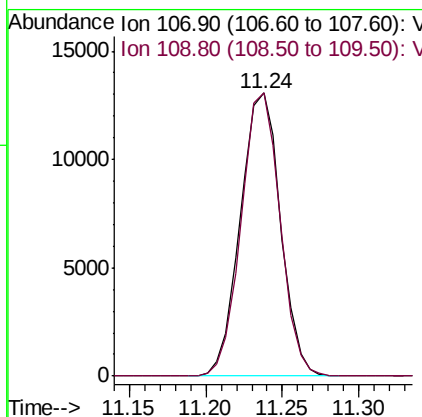
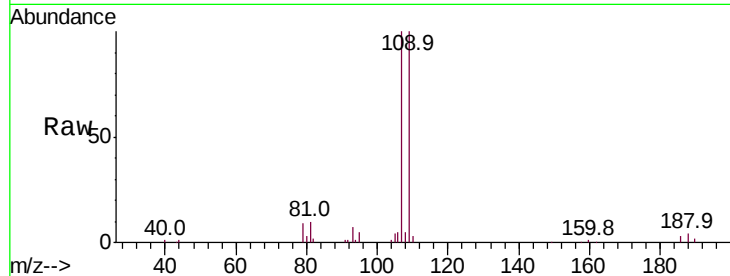
#61
 1,2-Dibromoethane
 Concen: 22.221 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010584.D
 Acq: 29 May 2019 12:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.0	75.0	112.4

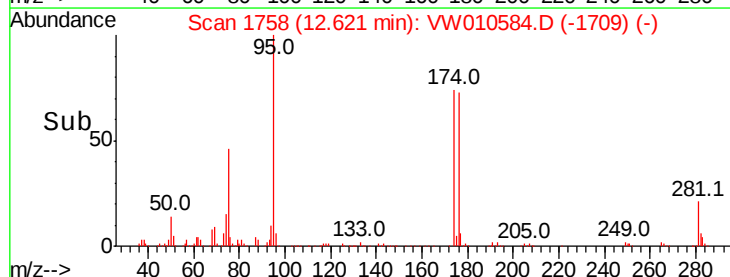
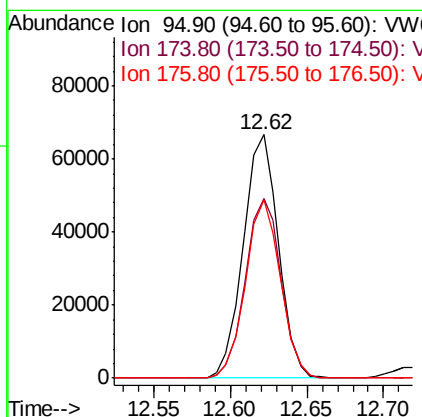
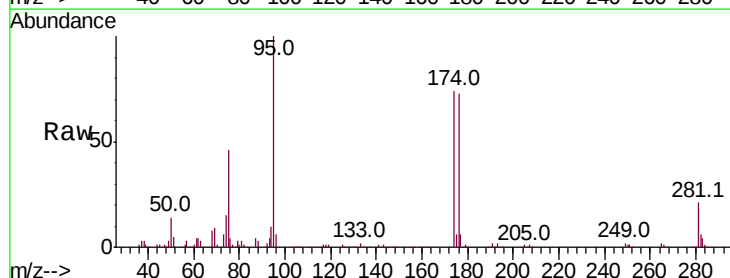
Manual Integrations
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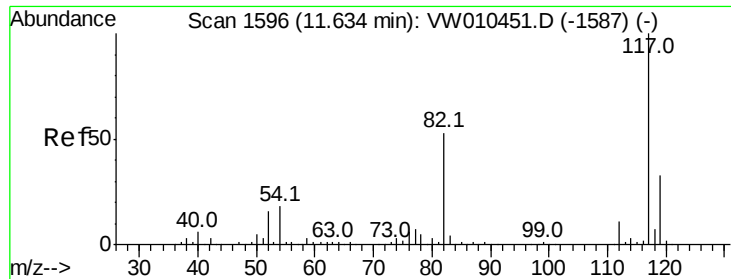
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 56.177 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010584.D
 Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	148.6
176	73.1	0.0	144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

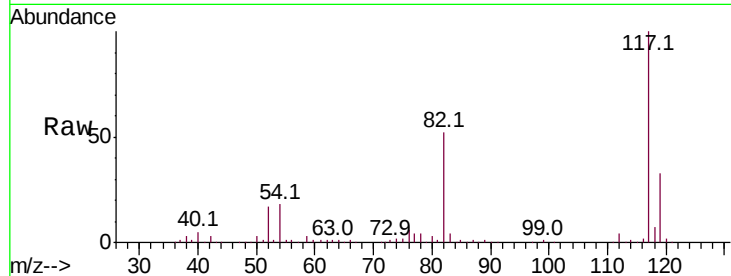
ClientSampleId :

VW0529SBSD01

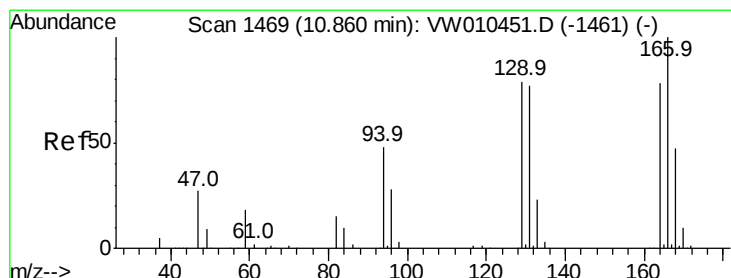
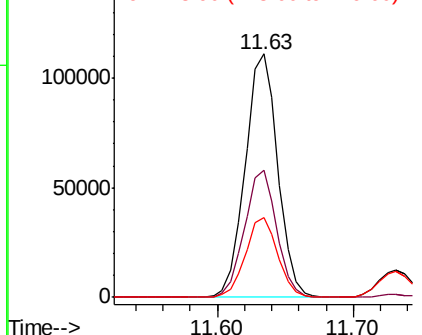
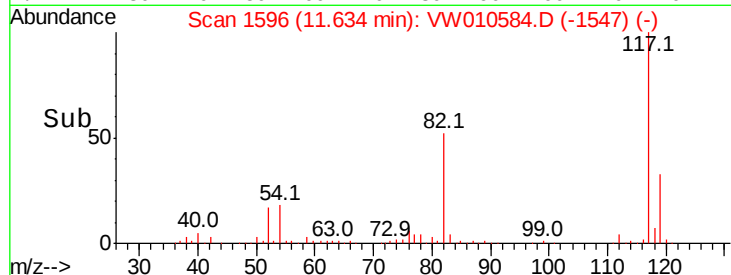
Tot Ion:	117	Resp:	185706
Ion Ratio	Lower	Upper	
117	100		
82	52.3	42.8	64.2
119	32.7	26.3	39.5

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 22.625 ug/l

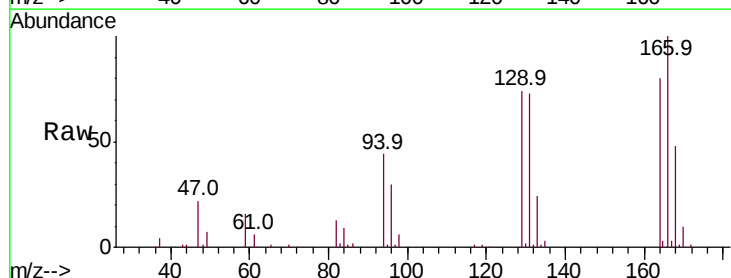
RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

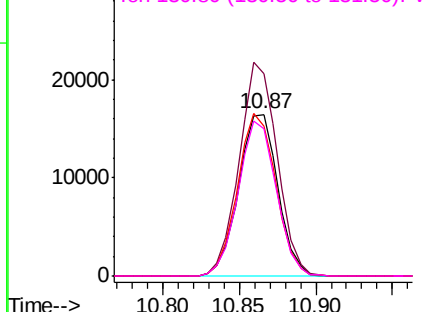
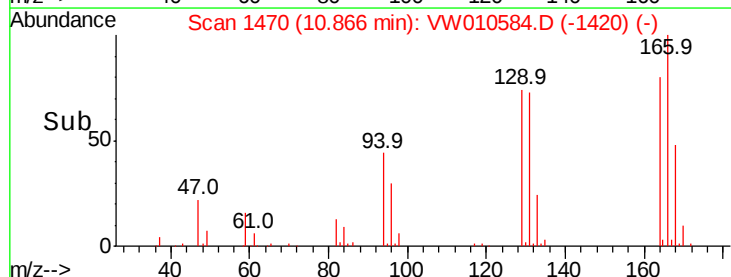
Lab File: VW010584.D

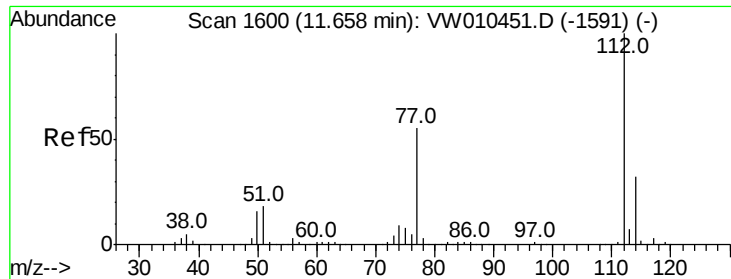
Acq: 29 May 2019 12:06

Tgt Ion:	164	Resp:	29289
Ion Ratio	Lower	Upper	
164	100		
166	125.1	101.9	152.9
129	92.4	80.6	121.0
131	91.2	78.2	117.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 22.833 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion:112 Resp: 90370

Ion Ratio Lower Upper

112 100

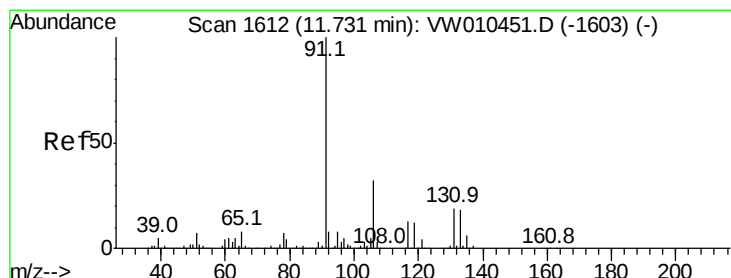
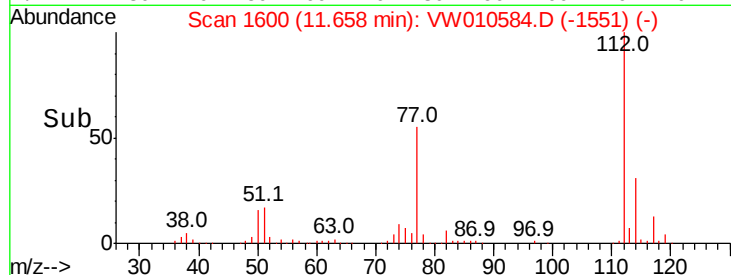
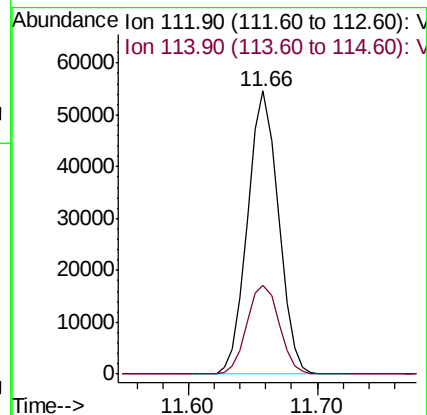
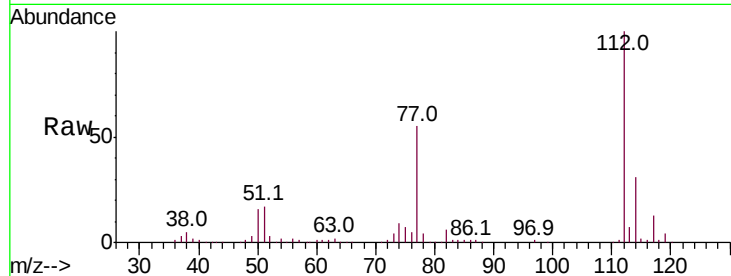
114 31.4 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 22.735 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

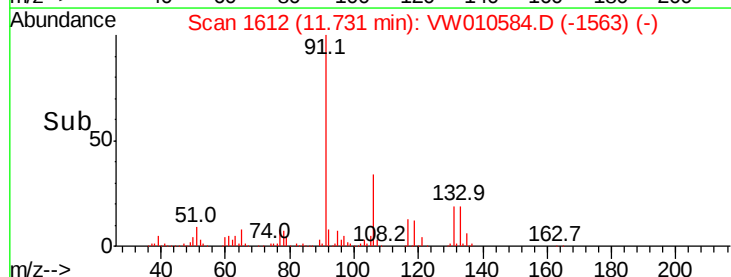
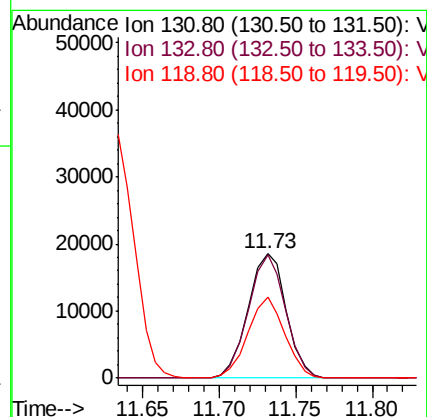
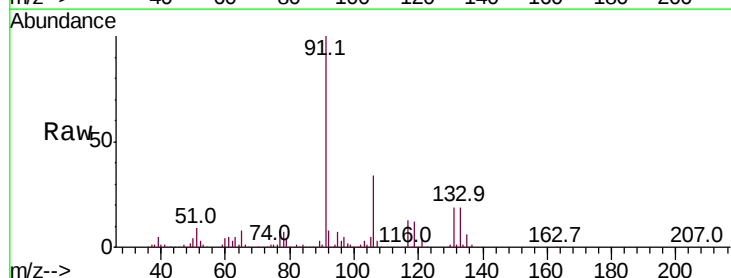
Tgt Ion:131 Resp: 32234

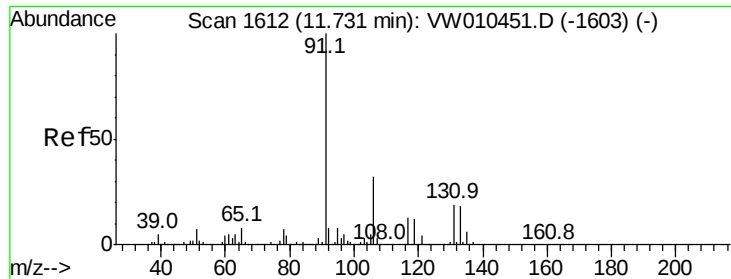
Ion Ratio Lower Upper

131 100

133 96.3 47.3 141.9

119 63.0 32.1 96.5





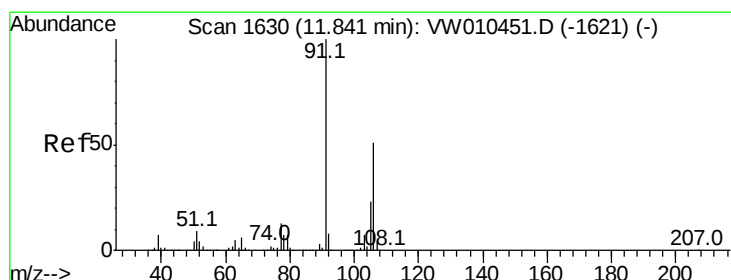
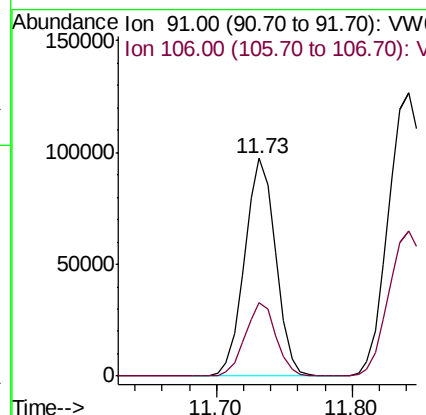
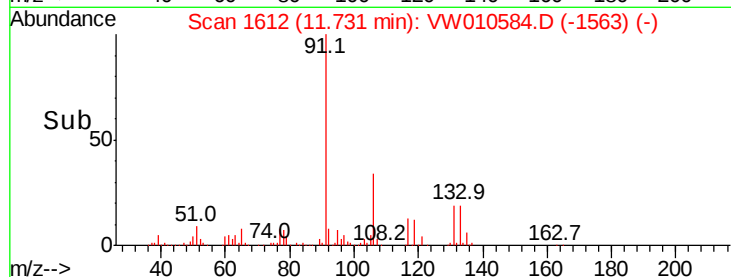
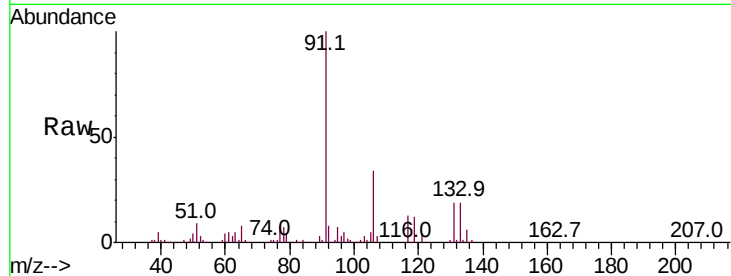
#67
Ethyl Benzene
Concen: 22.255 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion: 91 Resp: 155509
Ion Ratio Lower Upper
91 100
106 34.0 25.9 38.9

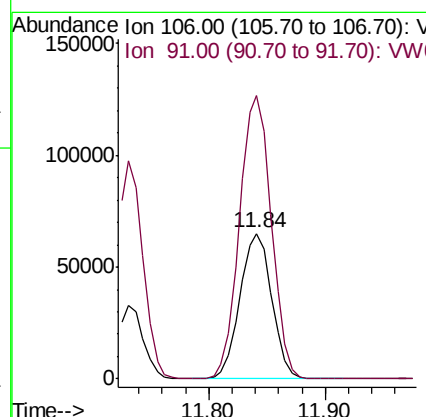
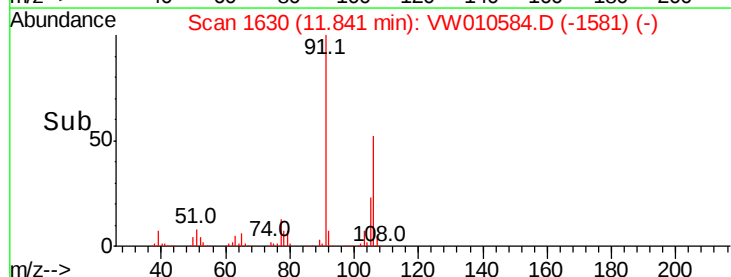
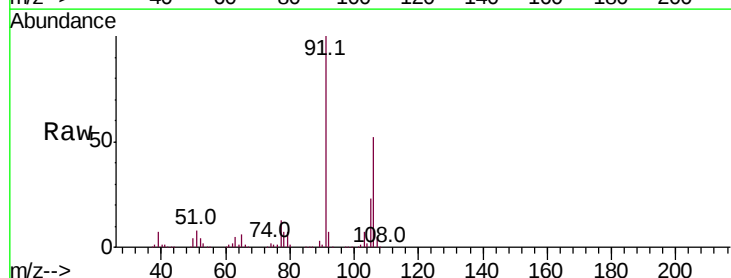
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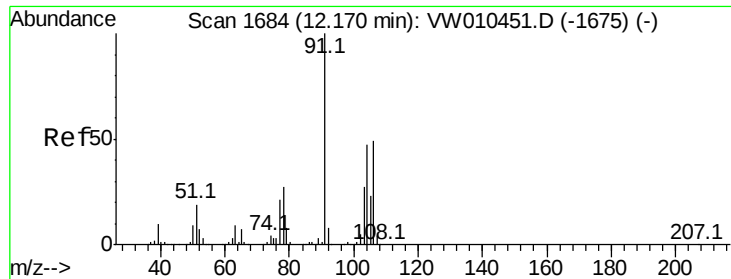
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#68
m/p-Xylenes
Concen: 45.271 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion: 106 Resp: 124080
Ion Ratio Lower Upper
106 100
91 194.2 156.0 234.0





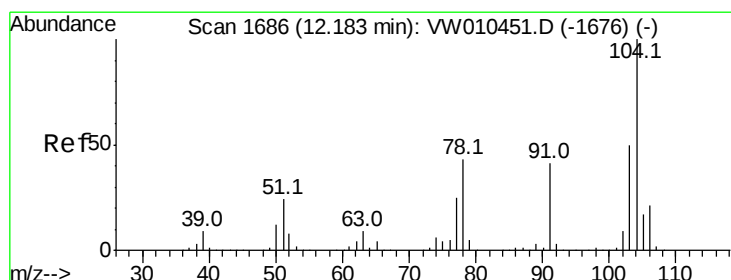
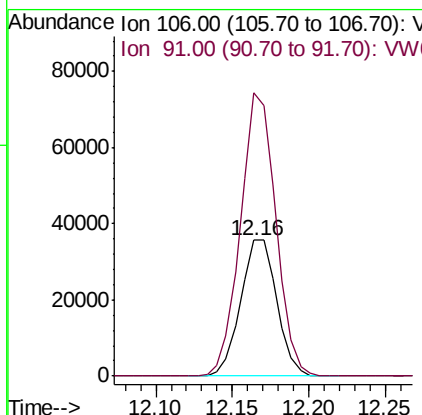
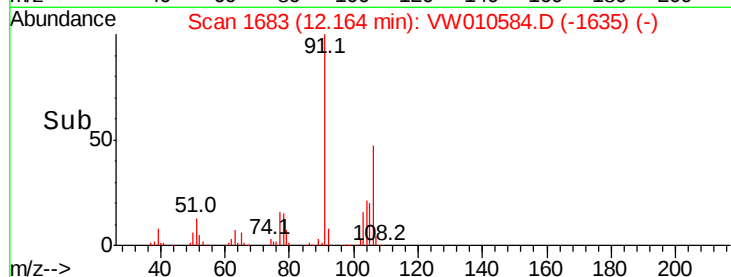
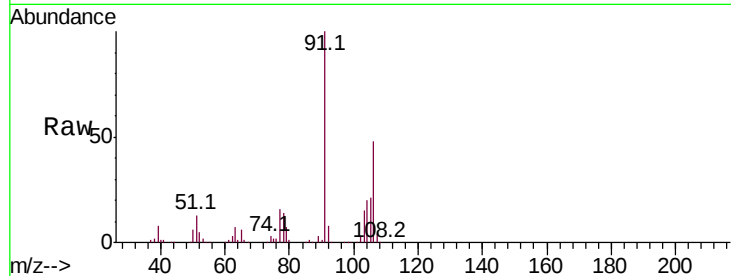
#69
o-Xylene
Concen: 22.644 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion:106 Resp: 58800
Ion Ratio Lower Upper
106 100
91 203.3 103.2 309.4

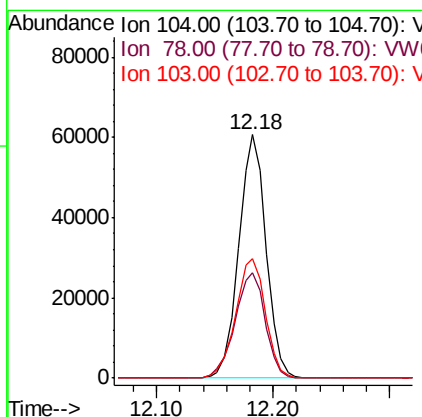
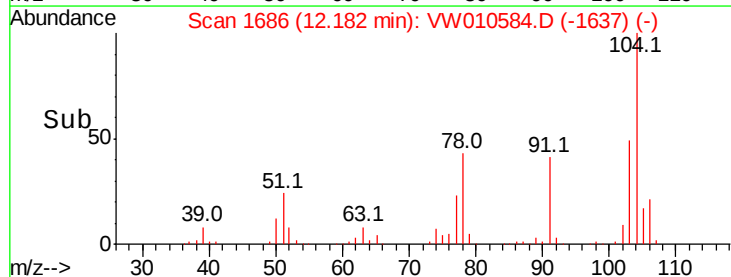
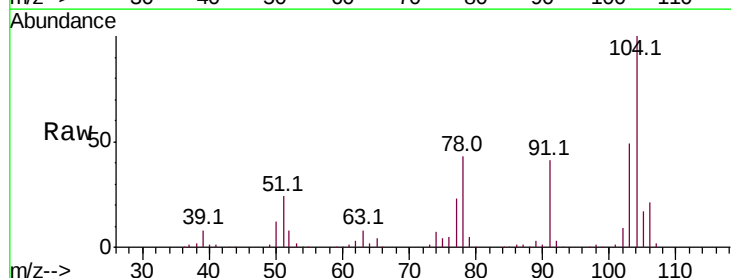
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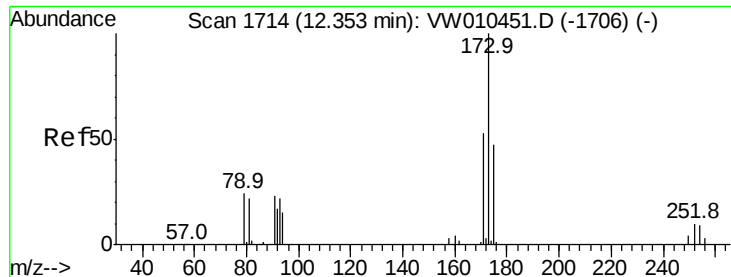
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#70
Styrene
Concen: 22.401 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion:104 Resp: 98698
Ion Ratio Lower Upper
104 100
78 48.0 39.0 58.4
103 53.9 43.0 64.6





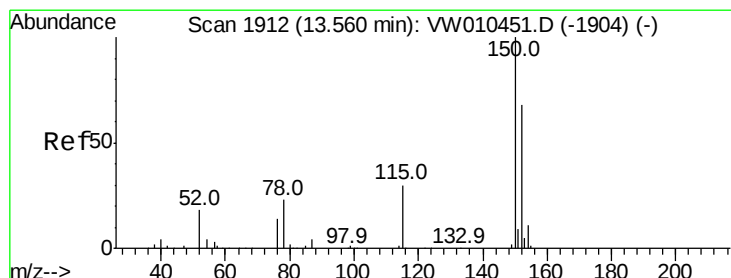
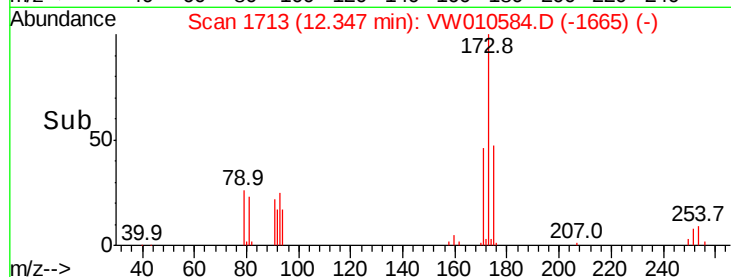
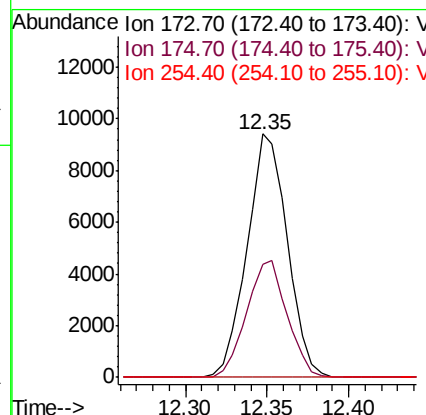
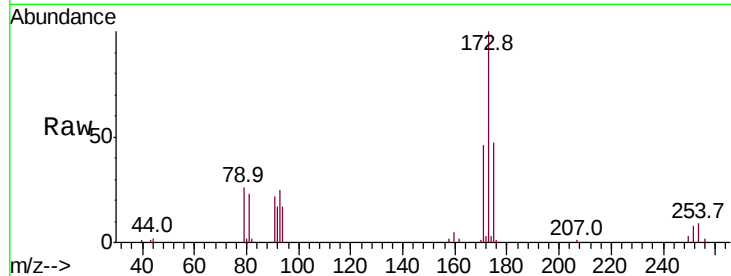
#71
Bromoform
Concen: 20.663 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.4	73.4
254	0.0	0.0	0.0

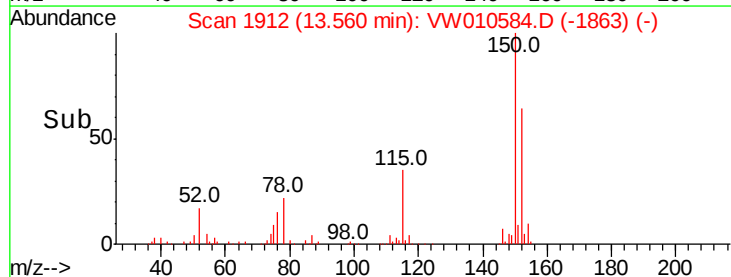
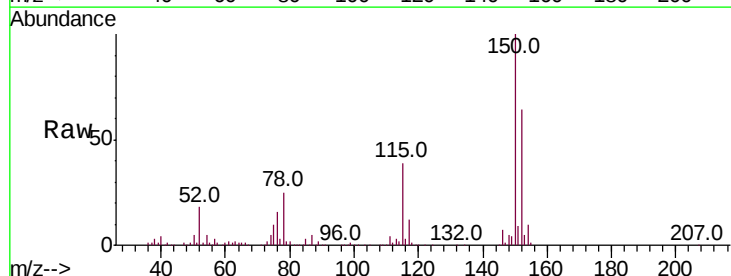
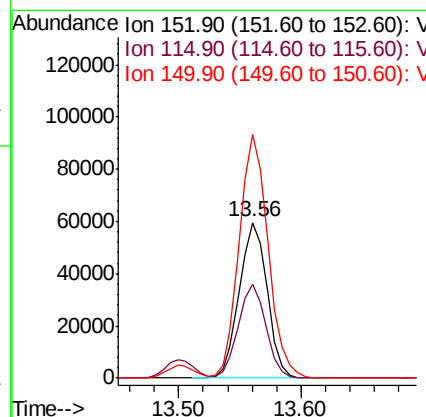
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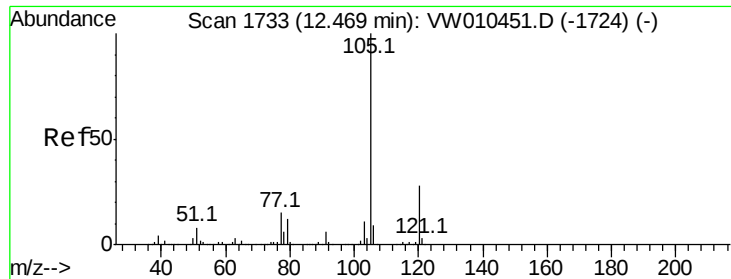
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.3	91.0
150	162.4	0.0	349.8





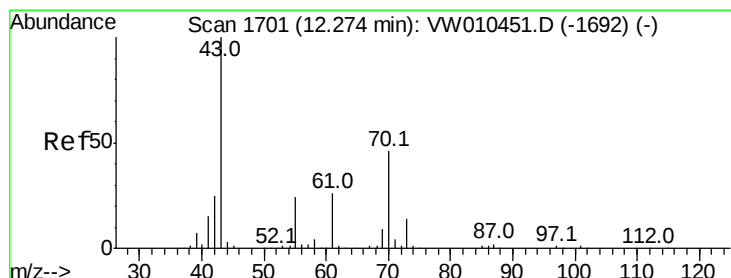
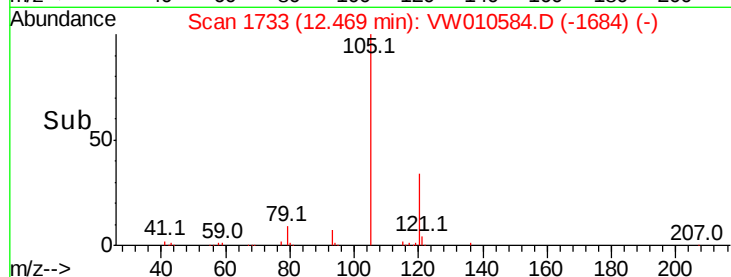
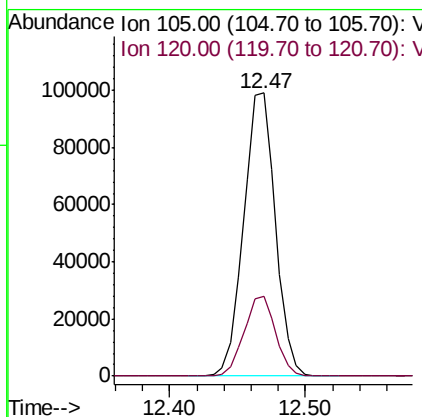
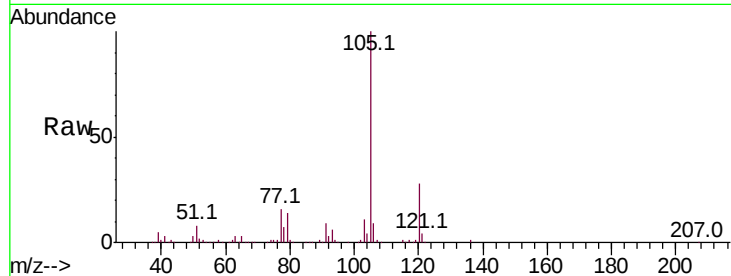
#73
Isopropylbenzene
Concen: 21.735 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.9	41.7

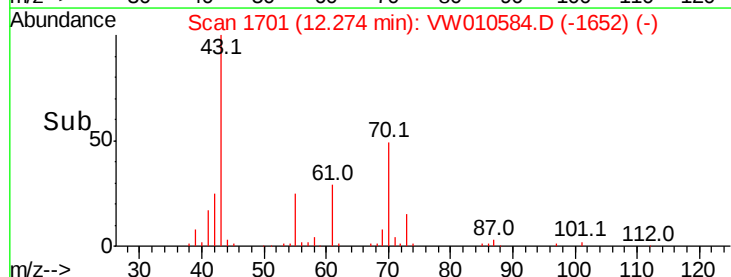
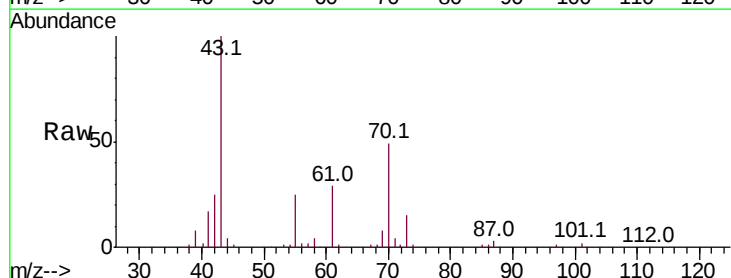
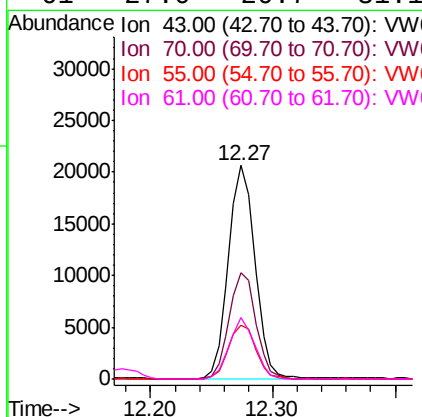
Manual Integrations
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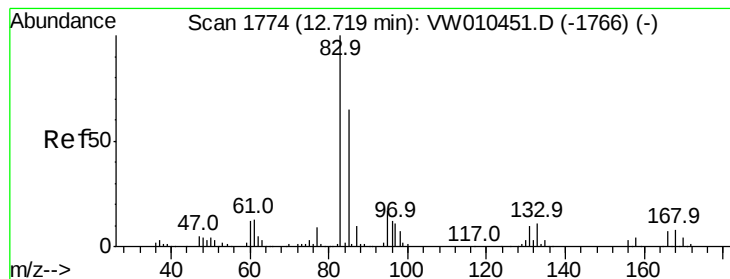
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#74
N-ethyl acetate
Concen: 18.390 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.6	37.1	55.7
55	26.1	19.6	29.4
61	27.0	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.006 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

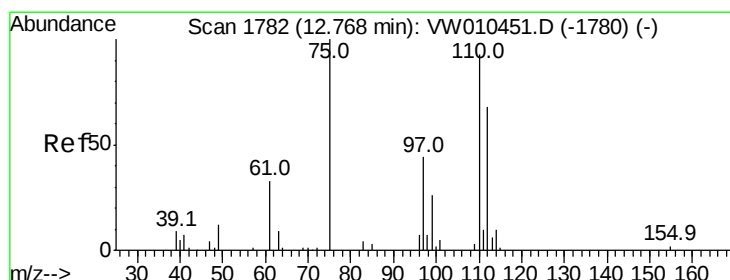
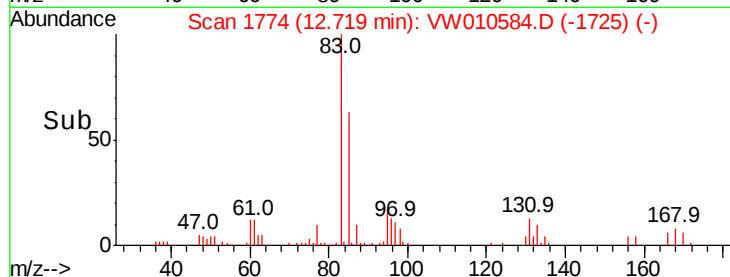
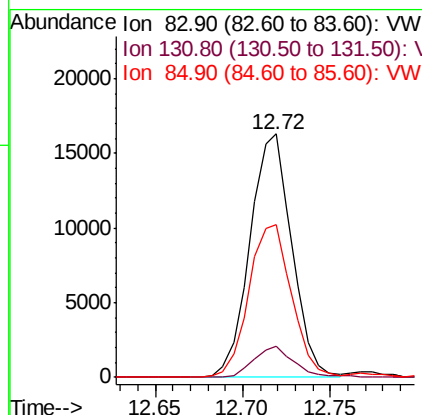
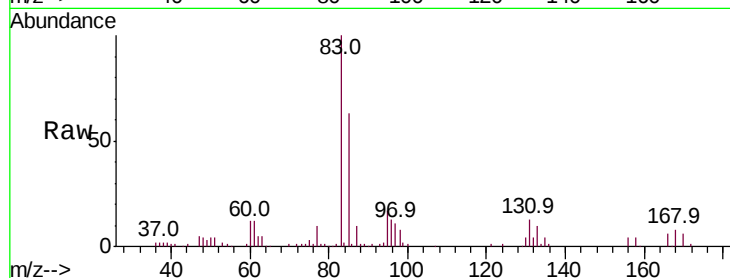
ClientSampleId :

VW0529SBSD01

Tot Ion:	83	Resp:	27071
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.6	16.8
85	64.1	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 20.058 ug/l m

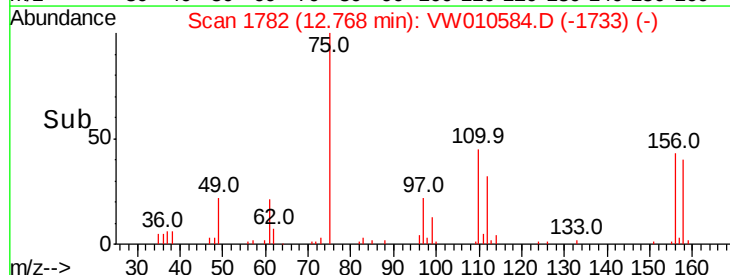
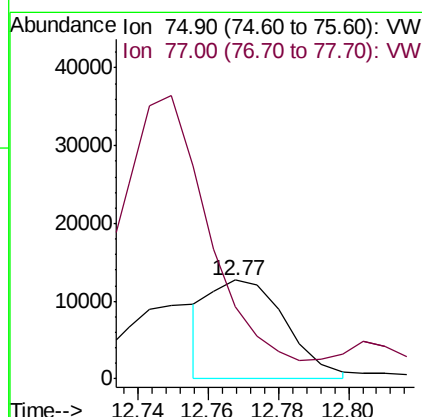
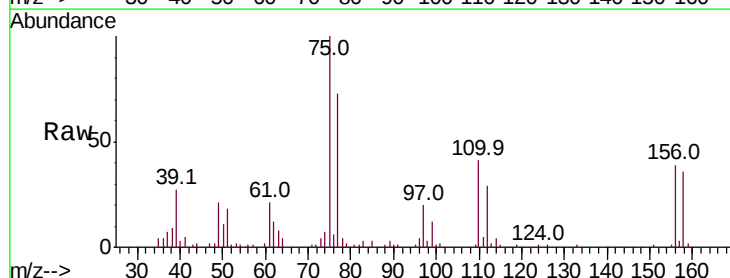
RT: 12.77 min Scan# 1782

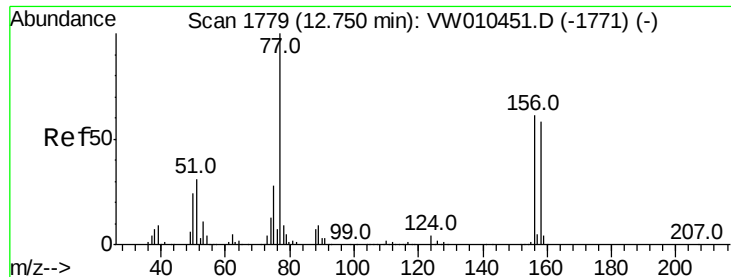
Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Tgt Ion:	75	Resp:	19088
Ion Ratio	Lower	Upper	
75	100		
77	349.5	170.0	510.1





#77

Bromobenzene

Concen: 22.639 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

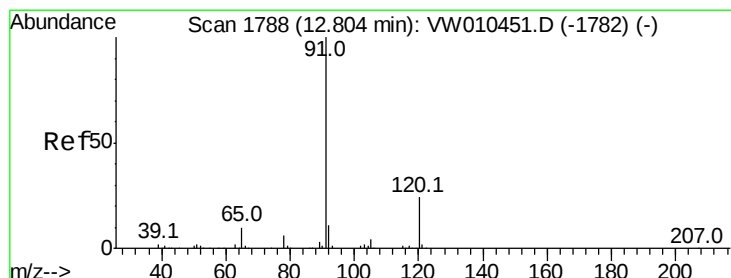
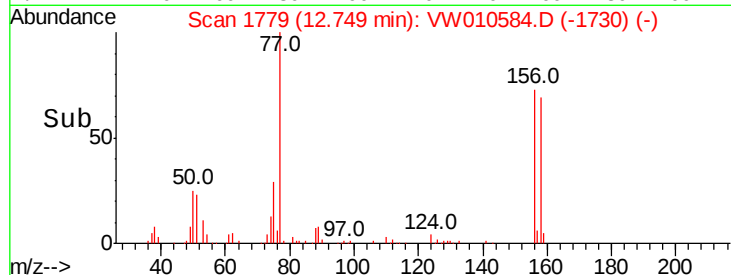
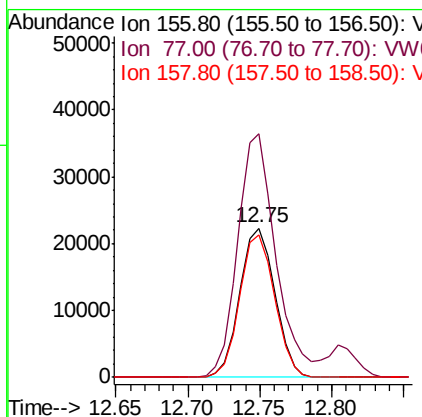
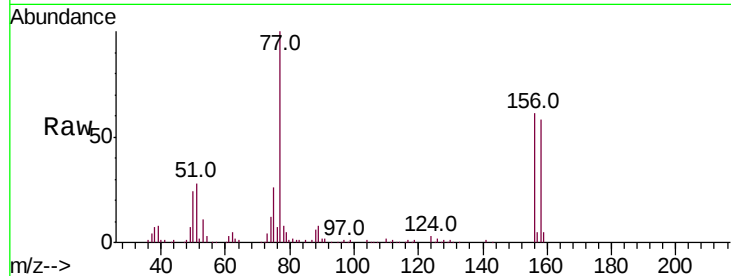
ClientSampleId :

VW0529SBS01

Tot Ion:	156	Resp:	37691
Ion Ratio	Lower	Upper	
156	100		
77	177.0	92.4	277.2
158	95.4	48.3	144.8

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#78

n-propylbenzene

Concen: 21.211 ug/l

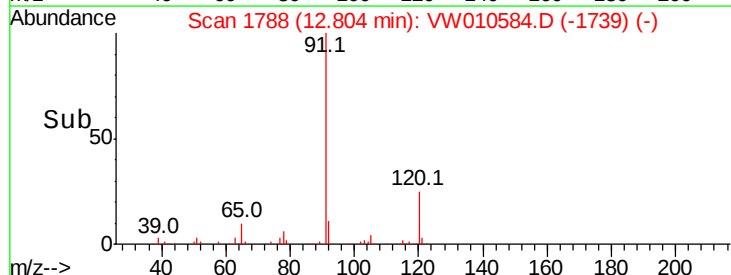
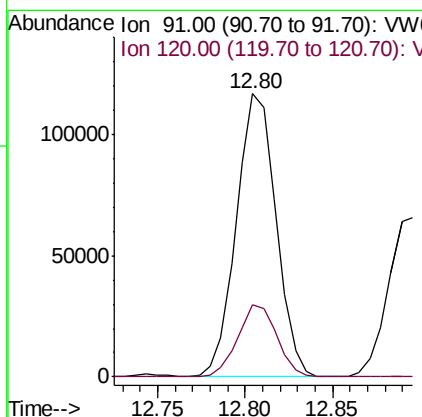
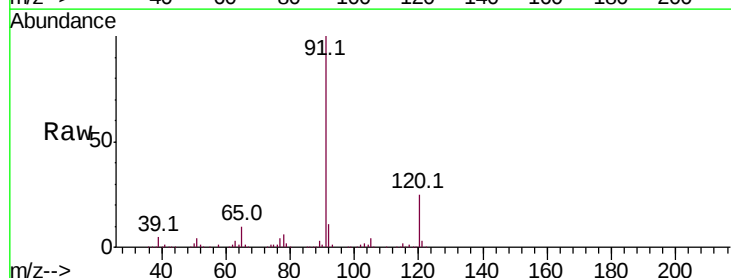
RT: 12.80 min Scan# 1788

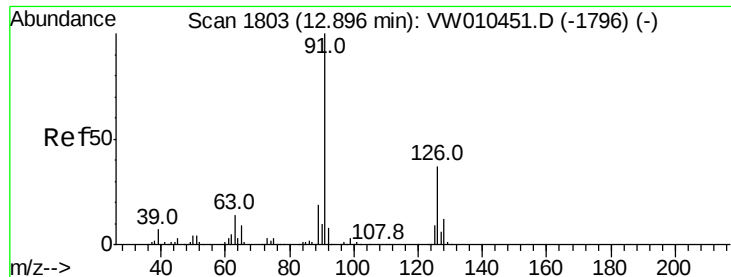
Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Tgt Ion:	91	Resp:	183897
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.3	36.8





#79

2-Chlorotoluene

Concen: 21.238 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBSD01

Tot Ion: 91 Resp: 106781

Ion Ratio Lower Upper

91 100

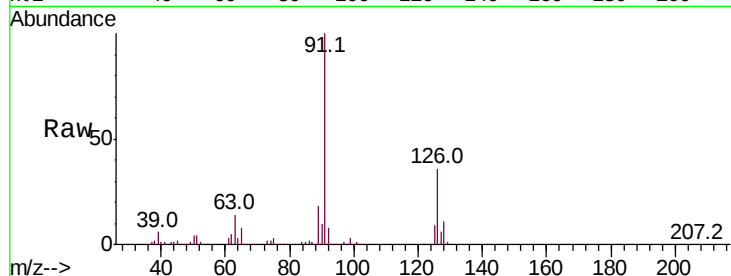
126 35.9 17.4 52.3

Manual Integrations

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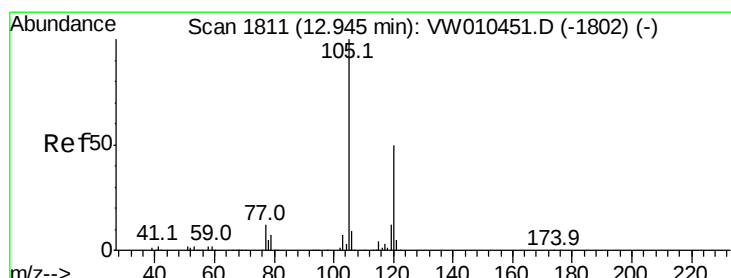
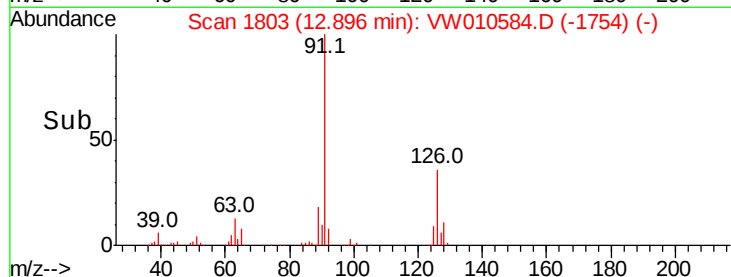
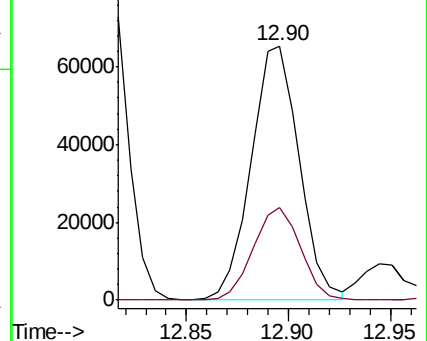
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.500 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010584.D

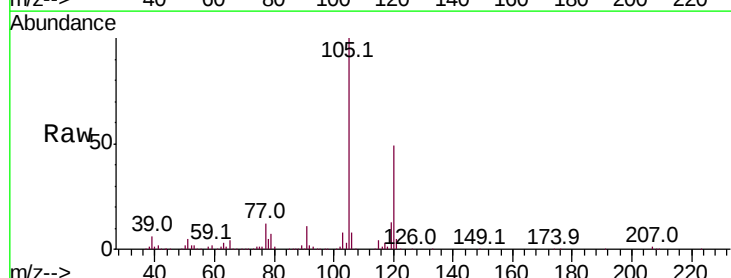
Acq: 29 May 2019 12:06

Tgt Ion:105 Resp: 135472

Ion Ratio Lower Upper

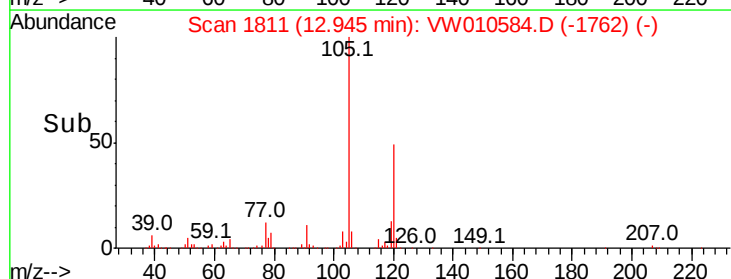
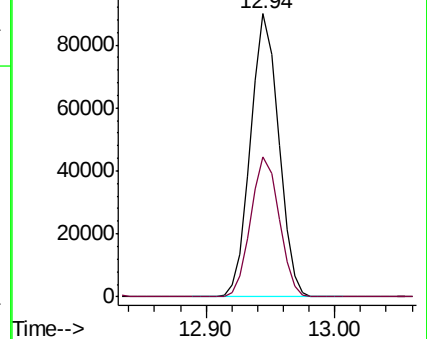
105 100

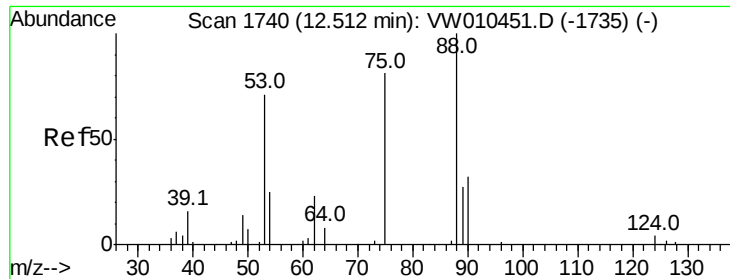
120 50.0 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





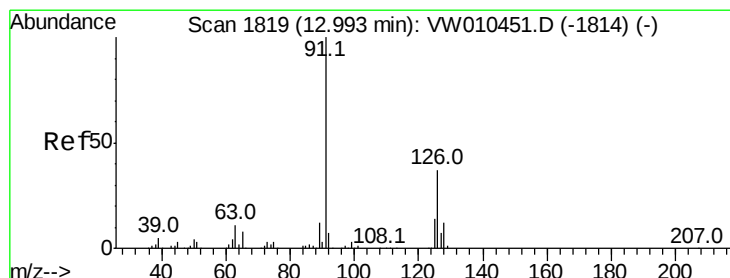
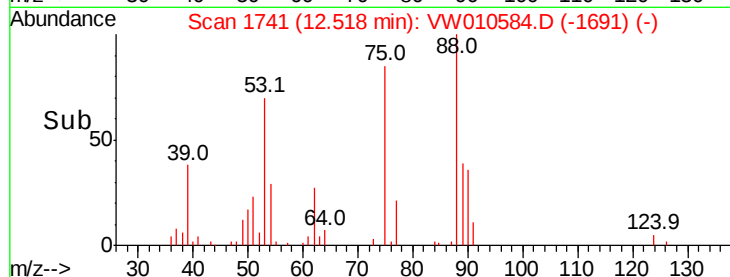
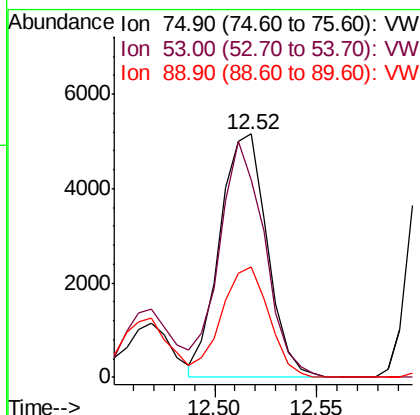
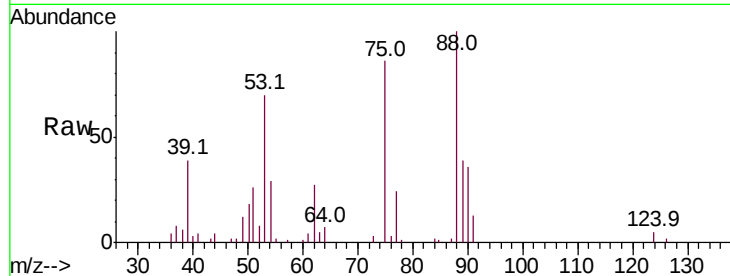
#81
trans-1,4-Dichloro-2-butene
Concen: 18.189 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBSD01

Tot Ion: 75 Resp: 8294
Ion Ratio Lower Upper
75 100
53 92.7 69.8 104.8
89 45.6 39.5 59.3

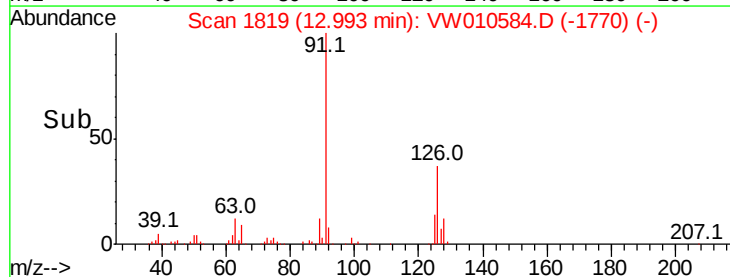
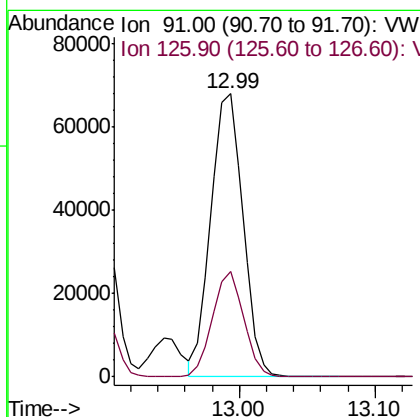
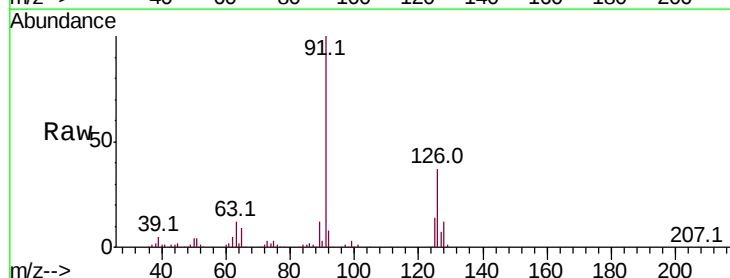
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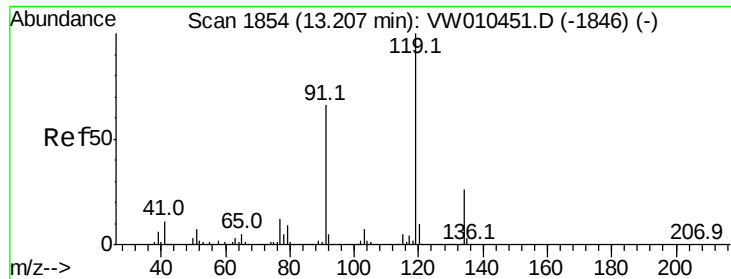
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#82
4-Chlorotoluene
Concen: 21.501 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion: 91 Resp: 112207
Ion Ratio Lower Upper
91 100
126 36.1 17.5 52.6





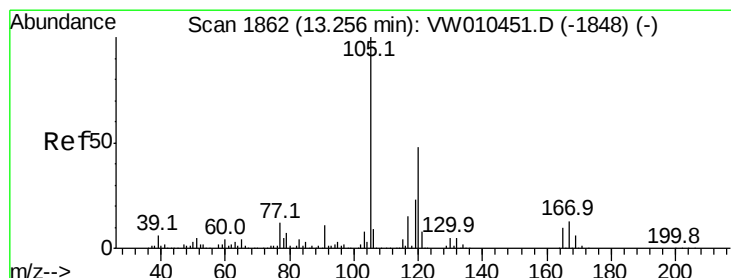
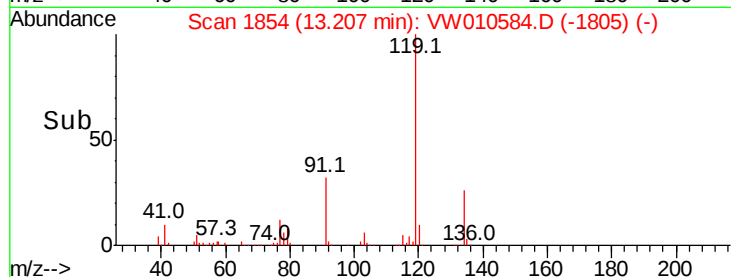
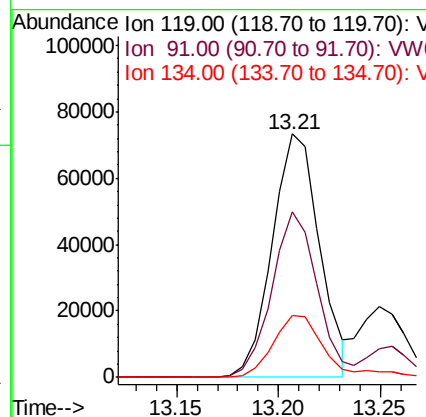
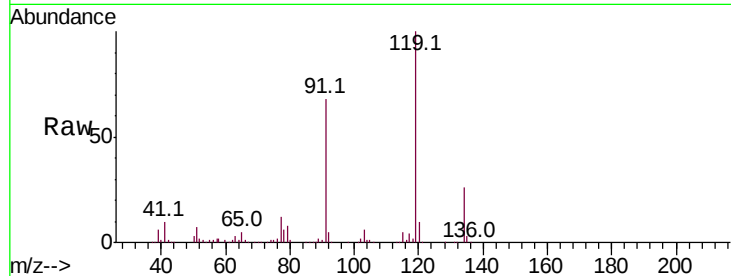
#83
tert-Butylbenzene
Concen: 21.588 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleID :
VW0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	118816		
91	65.8	33.1	99.5	
134	27.9	13.9	41.6	

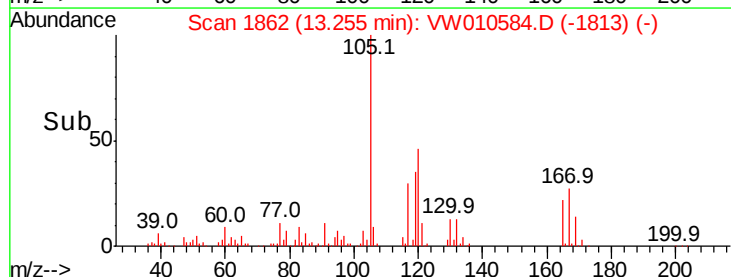
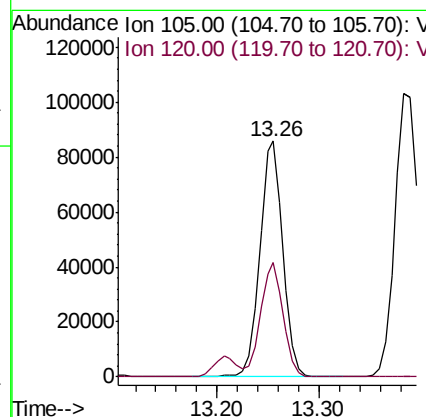
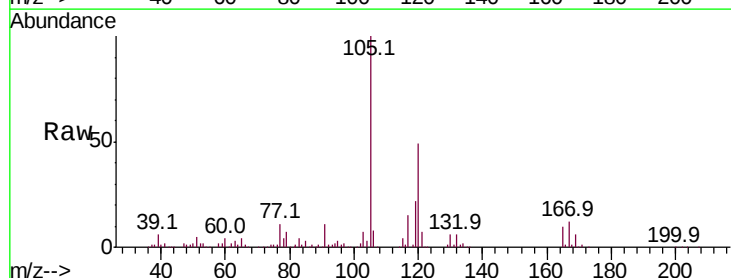
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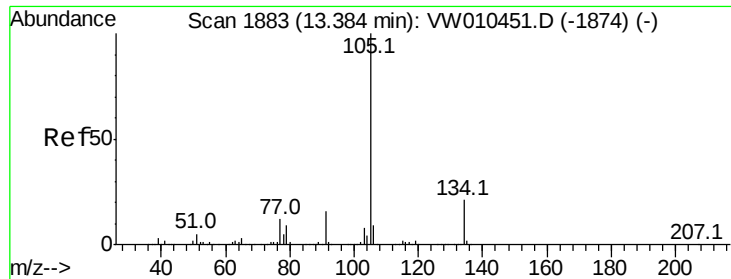
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#84
1,2,4-Trimethylbenzene
Concen: 21.488 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	134850		
120	47.5	23.4	70.2	





#85

sec-Butylbenzene

Concen: 21.480 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion:105 Resp: 165448

Ion Ratio Lower Upper

105 100

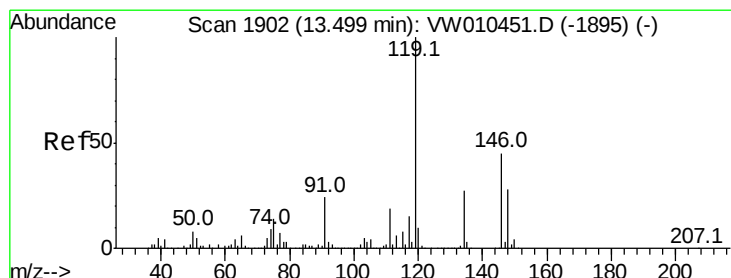
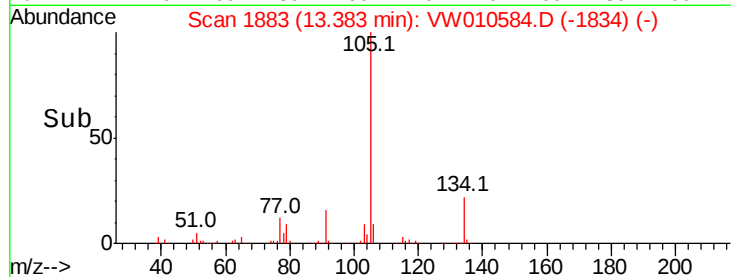
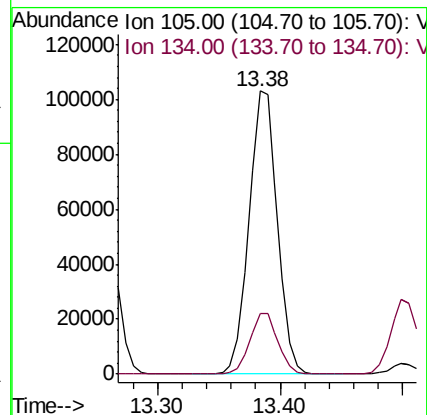
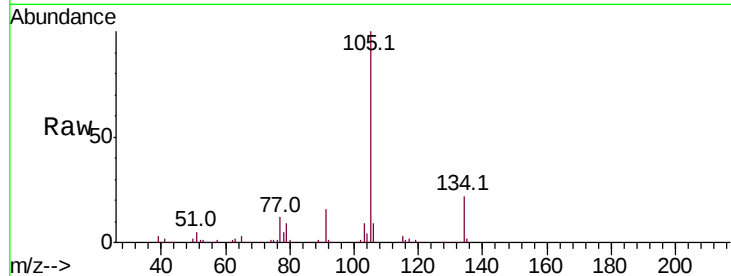
134 21.2 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 21.576 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

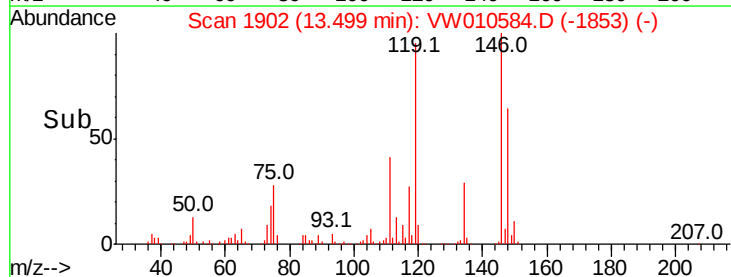
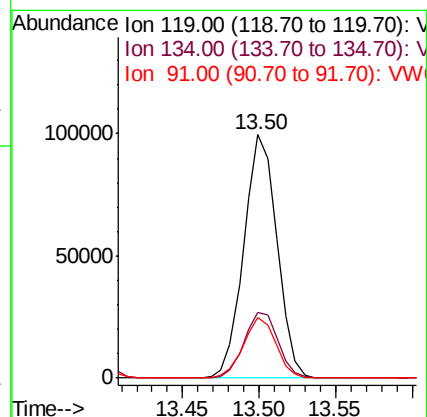
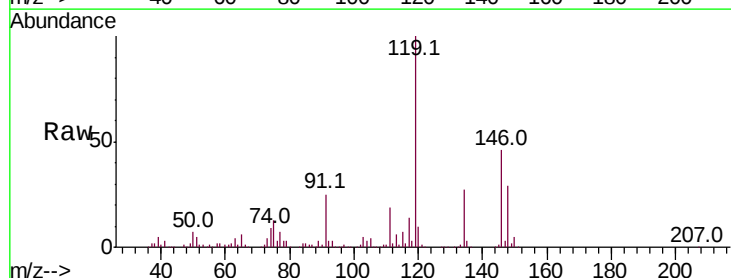
Tgt Ion:119 Resp: 150417

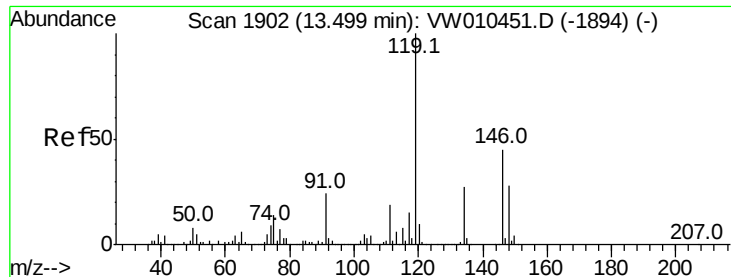
Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.7

91 24.2 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 22.320 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

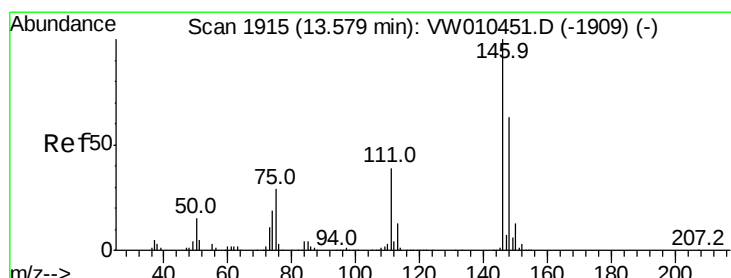
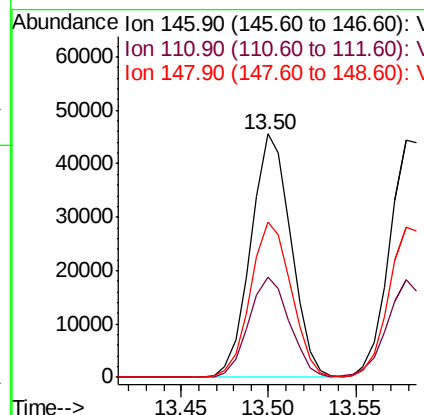
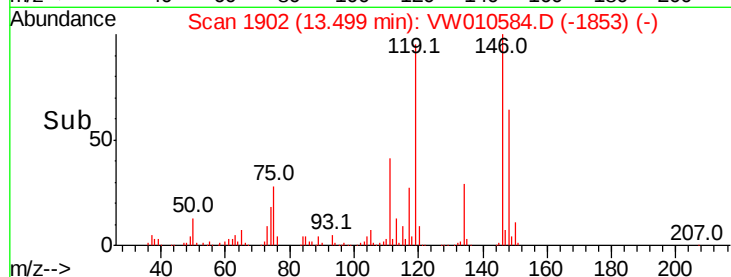
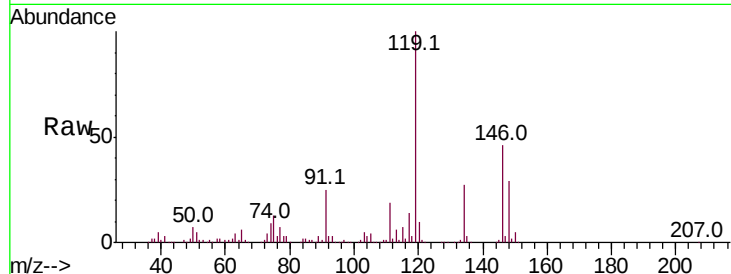
Instrument :
MSVOA_W

ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.9
148	64.6	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 22.198 ug/l

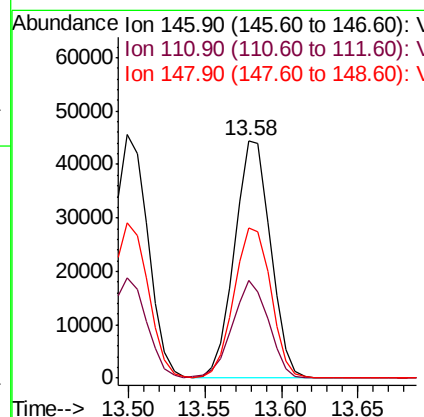
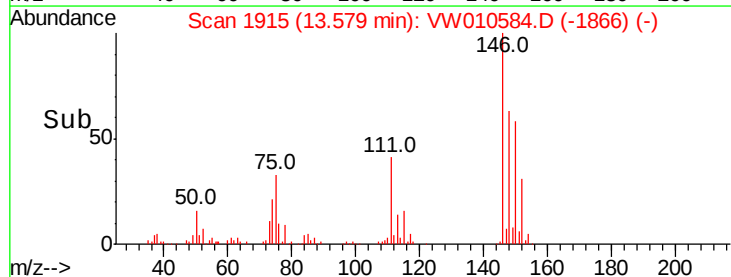
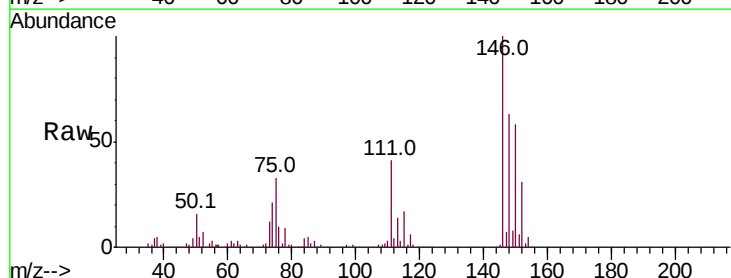
RT: 13.58 min Scan# 1915

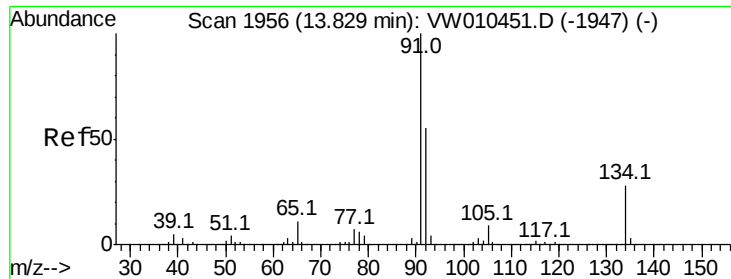
Delta R.T. -0.00 min

Lab File: VW010584.D

Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.9	59.6
148	64.7	31.6	94.8





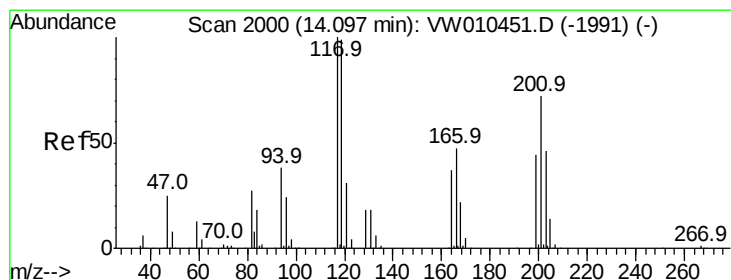
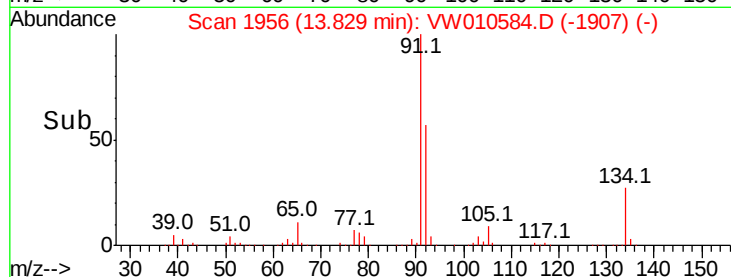
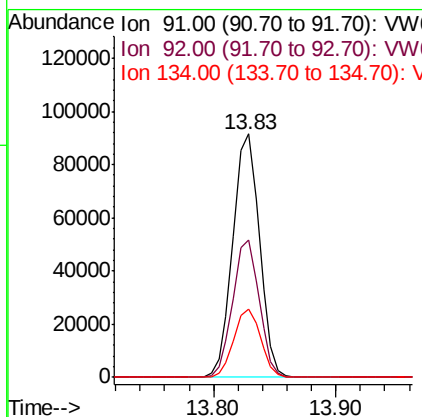
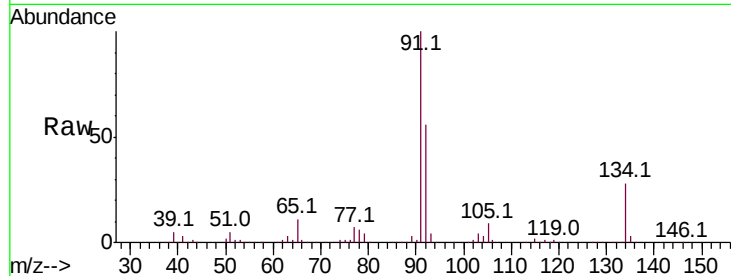
#89
n-Butylbenzene
Concen: 20.831 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	138138		
92	55.9	27.7	83.1	
134	28.1	13.9	41.6	

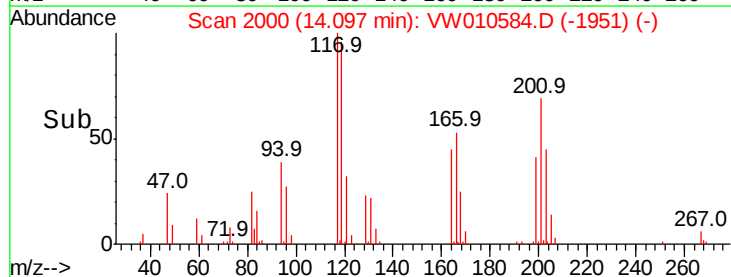
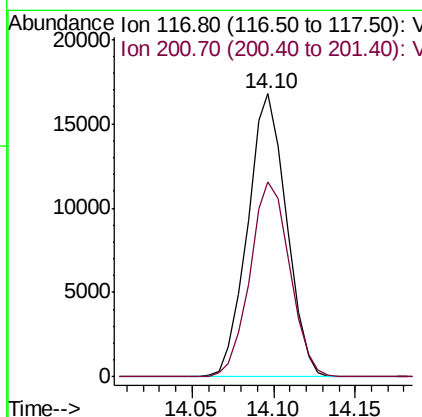
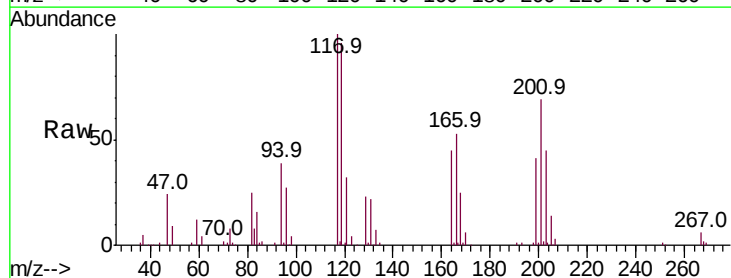
Manual Integrations
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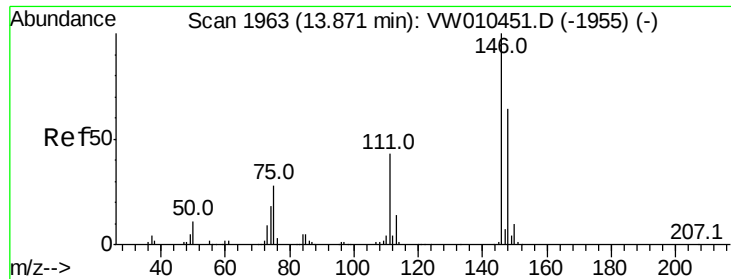
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#90
Hexachloroethane
Concen: 20.575 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27764		
201	70.5	34.6	103.8	





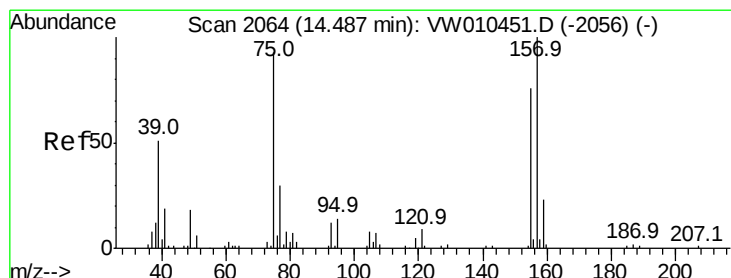
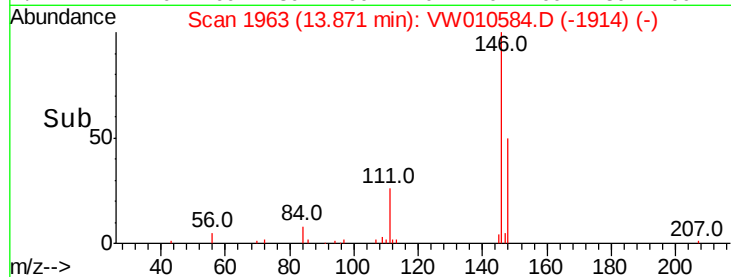
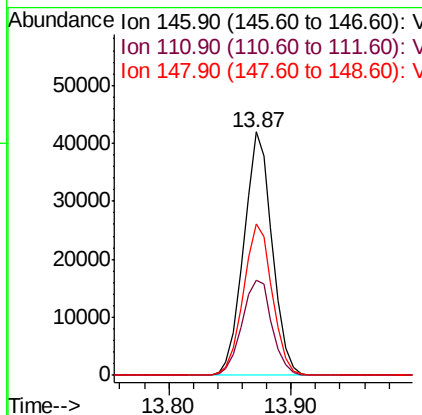
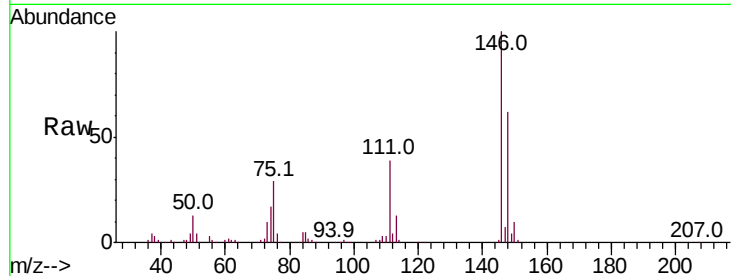
#91
1,2-Dichlorobenzene
Concen: 22.641 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	64.0
148	63.6	32.0	96.0

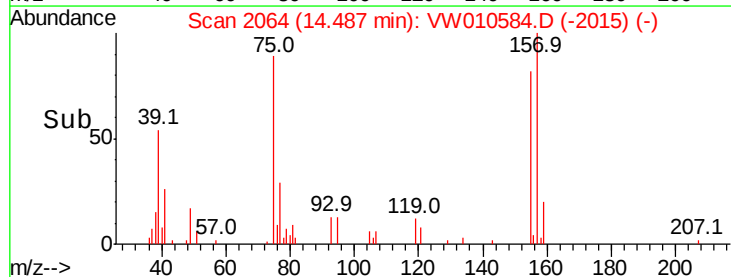
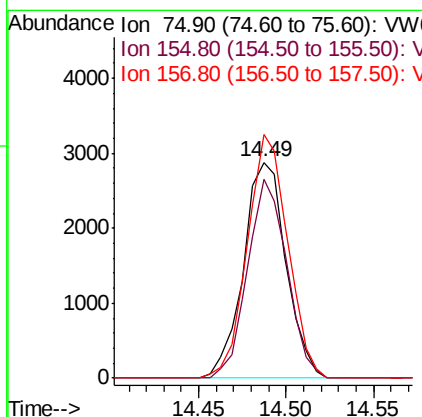
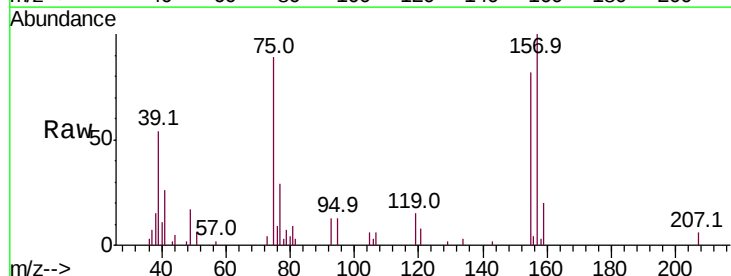
Manual Integrations
APPROVED

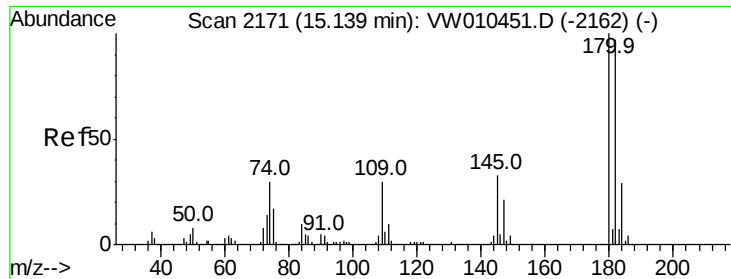
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5/30/2019 10:14:08 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.343 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.9	43.0	129.0
157	107.1	55.7	167.1





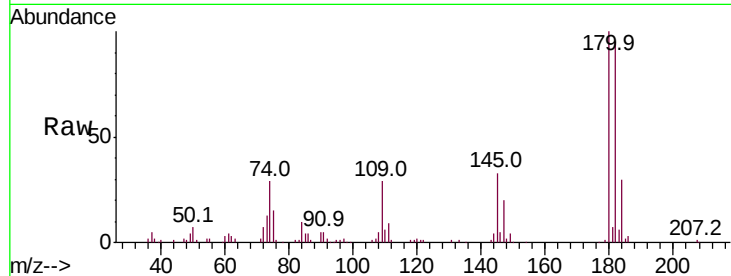
#93
 1,2,4-Trichlorobenzene
 Concen: 22.203 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010584.D
 Acq: 29 May 2019 12:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBSD01

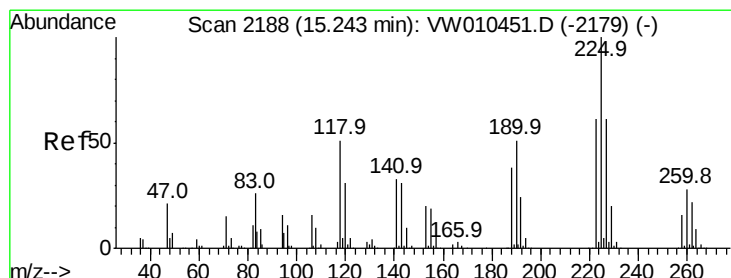
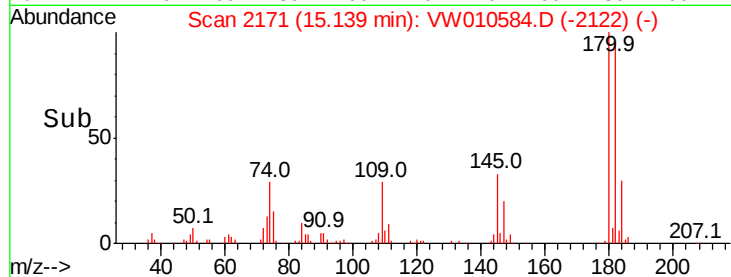
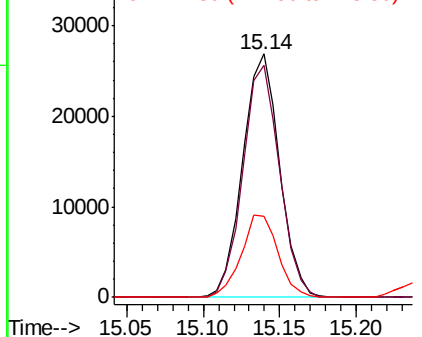
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	47.0	141.2	
145	33.7	16.7	50.0	

Manual Integrations
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MMDadoda
 5/30/2019 10:14:08 AM

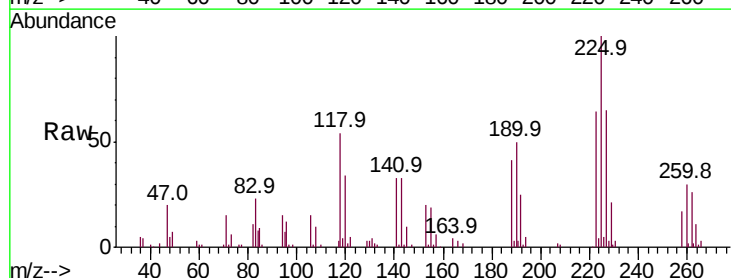


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

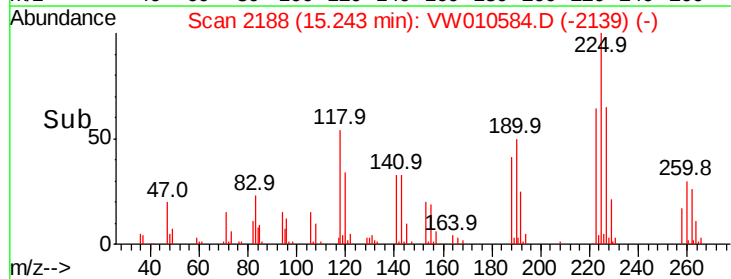
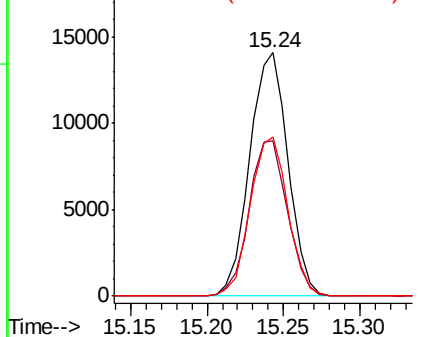


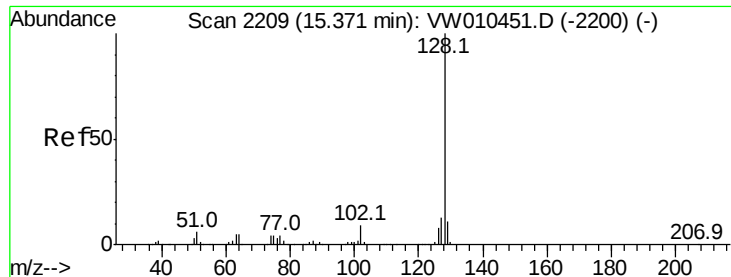
#94
 Hexachlorobutadiene
 Concen: 22.720 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010584.D
 Acq: 29 May 2019 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.1	93.2	
227	64.2	31.1	93.5	



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





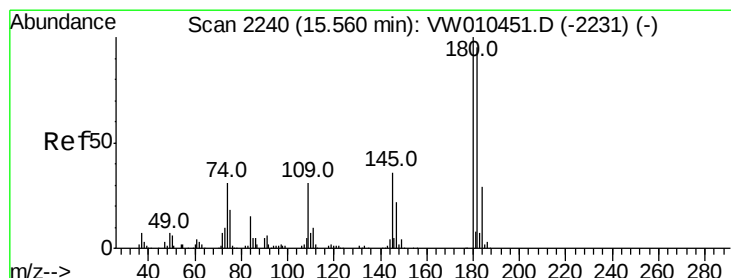
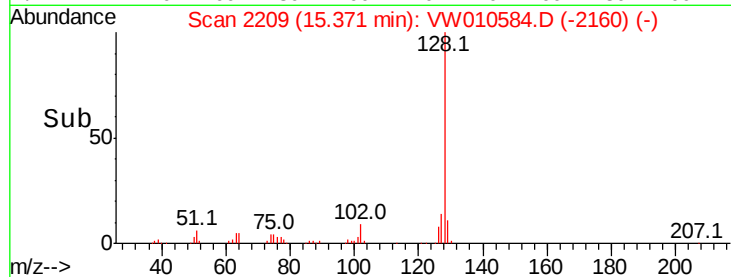
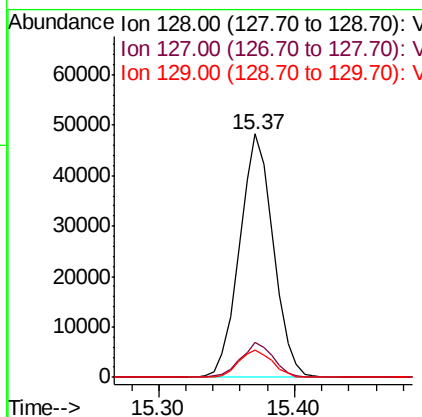
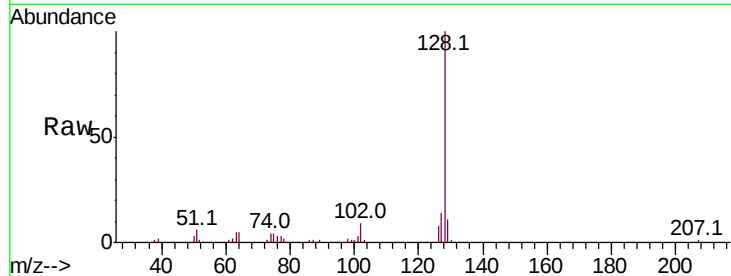
#95
Naphthalene
Concen: 19.667 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBSD01

Tot Ion:	128	Resp:	83597
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.6	15.8
129	11.3	8.9	13.3

Manual Integrations
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5/30/2019 10:14:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.639 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010584.D
Acq: 29 May 2019 12:06

Tgt Ion:	180	Resp:	39446
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.1	141.3
145	35.6	17.4	52.3

