

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052919\
 Data File : VW010583.D
 Acq On : 29 May 2019 11:39
 Operator : SY/VA
 Sample : VW0529SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 10:13:16 AM

Quant Time: May 30 07:22:28 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	136926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	225411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	202691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	100024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	65537	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
35) Dibromofluoromethane	7.88	113	69272	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	10.32	98	271055	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.62	95	104267	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	21360	17.327	ug/l	98
3) Chloromethane	2.21	50	23274	16.178	ug/l	98
4) Vinyl Chloride	2.35	62	27121	16.275	ug/l	100
5) Bromomethane	2.75	94	20258	17.671	ug/l	91
6) Chloroethane	2.90	64	20062	18.754	ug/l	99
7) Trichlorofluoromethane	3.25	101	52452	21.320	ug/l	100
8) Diethyl Ether	3.68	74	14804	18.982	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32332	21.340	ug/l	96
10) Methyl Iodide	4.27	142	27205	15.709	ug/l	98
11) Tert butyl alcohol	5.15	59	17793	139.963	ug/l #	71
12) 1,1-Dichloroethene	4.03	96	30225	20.898	ug/l	95
13) Acrolein	3.90	56	6547	72.546	ug/l	96
14) Allyl chloride	4.67	41	41219	19.689	ug/l	98
15) Acrylonitrile	5.37	53	29764	91.129	ug/l	100
16) Acetone	4.12	43	28355	98.288	ug/l	98
17) Carbon Disulfide	4.37	76	80257	18.604	ug/l	98
18) Methyl Acetate	4.67	43	13647	19.342	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	72625	19.697	ug/l	100
20) Methylene Chloride	4.91	84	31877	15.314	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	35281	21.267	ug/l	89
22) Diisopropyl ether	6.31	45	85967	20.026	ug/l	98
23) Vinyl Acetate	6.25	43	236143	92.092	ug/l	99
24) 1,1-Dichloroethane	6.21	63	53808	21.005	ug/l	98
25) 2-Butanone	7.17	43	39573	95.853	ug/l	99
26) 2,2-Dichloropropane	7.17	77	55635	22.800	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	38637	21.423	ug/l	99
28) Bromochloromethane	7.51	49	18556	20.232	ug/l	91
29) Tetrahydrofuran	7.53	42	24210	86.660	ug/l	99
30) Chloroform	7.68	83	58267	21.087	ug/l	97
31) Cyclohexane	7.95	56	54037	20.138	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	56937	21.559	ug/l	98
36) 1,1-Dichloropropene	8.08	75	46888	22.330	ug/l	99
37) Ethyl Acetate	7.25	43	17766	19.896	ug/l	99
38) Carbon Tetrachloride	8.07	117	51277	22.637	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62247	22.126	ug/l	98
40) Benzene	8.32	78	131077	22.459	ug/l	99
41) Methacrylonitrile	7.48	41	9576	18.049	ug/l	97
42) 1,2-Dichloroethane	8.40	62	35450	21.252	ug/l	100
43) Isopropyl Acetate	8.42	43	33615	18.844	ug/l	98
44) Trichloroethene	9.09	130	40255	23.233	ug/l	98
45) 1,2-Dichloropropane	9.37	63	30998	22.363	ug/l	98
46) Dibromomethane	9.46	93	17102	21.097	ug/l	98
47) Bromodichloromethane	9.64	83	43587	21.397	ug/l	98
48) Methyl methacrylate	9.43	41	15853	19.425	ug/l	96
49) 1,4-Dioxane	9.45	88	5094	384.681	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	84426	93.397	ug/l	99
52) Toluene	10.39	92	89086	22.729	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	42183	20.446	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	50758	21.542	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	25446	21.829	ug/l	96
56) Ethyl methacrylate	10.65	69	30825	19.174	ug/l	99
57) 1,3-Dichloropropane	10.93	76	42274	21.650	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	65737	92.316	ug/l	96
59) 2-Hexanone	10.97	43	60005	93.056	ug/l	99
60) Dibromochloromethane	11.13	129	31400	21.284	ug/l	98
61) 1,2-Dibromoethane	11.24	107	25062	21.224	ug/l	99
64) Tetrachloroethene	10.86	164	32385	22.920	ug/l	98
65) Chlorobenzene	11.66	112	99411	23.013	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	34760	22.463	ug/l	99
67) Ethyl Benzene	11.73	91	172307	22.592	ug/l	98
68) m/p-Xylenes	11.84	106	136809	45.733	ug/l	100
69) o-Xylene	12.17	106	64681	22.821	ug/l	98
70) Styrene	12.18	104	108348	22.530	ug/l	100
71) Bromoform	12.35	173	16824	19.743	ug/l #	98
73) Isopropylbenzene	12.47	105	177485	22.361	ug/l	99
74) N-amyl acetate	12.27	43	31755	17.459	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	27549	19.082	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	19638m	19.342	ug/l	
77) Bromobenzene	12.75	156	40802	22.971	ug/l	95
78) n-propylbenzene	12.80	91	204921	22.154	ug/l	99
79) 2-Chlorotoluene	12.90	91	118343	22.062	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	150606	22.404	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8458	17.386	ug/l	97
82) 4-Chlorotoluene	12.99	91	124716	22.399	ug/l	99
83) tert-Butylbenzene	13.21	119	135802	23.127	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	149930	22.393	ug/l	99
85) sec-Butylbenzene	13.38	105	185475	22.571	ug/l	100
86) p-Isopropyltoluene	13.50	119	169688	22.814	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	80594	23.127	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	79200	22.652	ug/l	98
89) n-Butylbenzene	13.83	91	156120	22.067	ug/l	99
90) Hexachloroethane	14.10	117	31188	21.663	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	71500	22.518	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4823	17.967	ug/l	98

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ClientSampleId :
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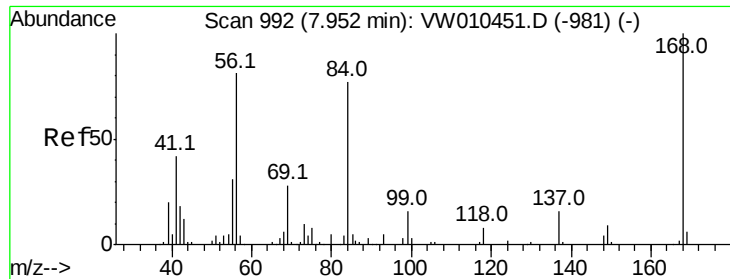
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	47743	22.099	ug/l	100
94) Hexachlorobutadiene	15.24	225	27359	23.705	ug/l	98
95) Naphthalene	15.37	128	84084	18.541	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	40623	21.853	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VW0529SBS01

Tot Ion:168 Resp: 136926

Ion Ratio Lower Upper

168 100

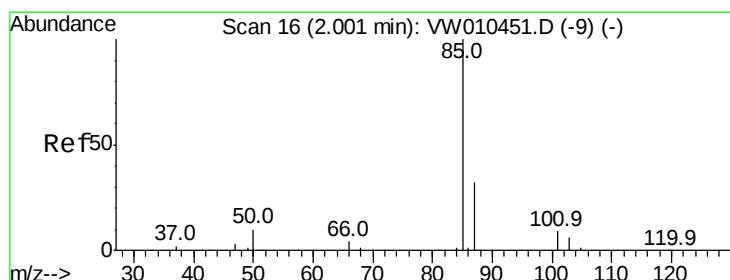
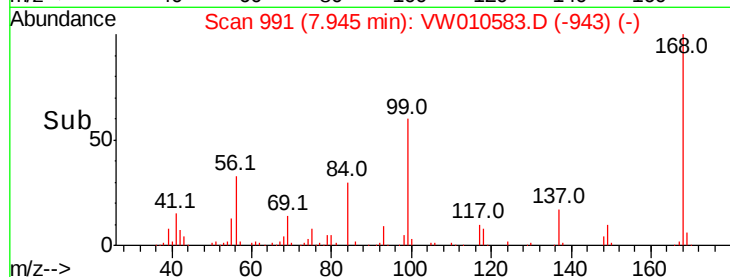
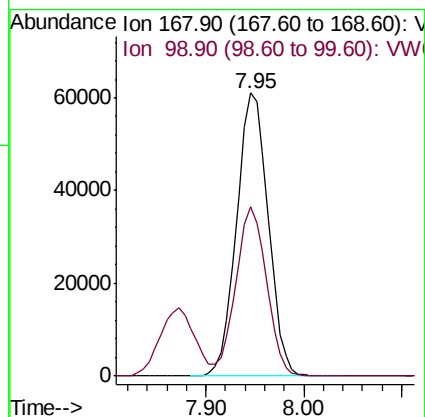
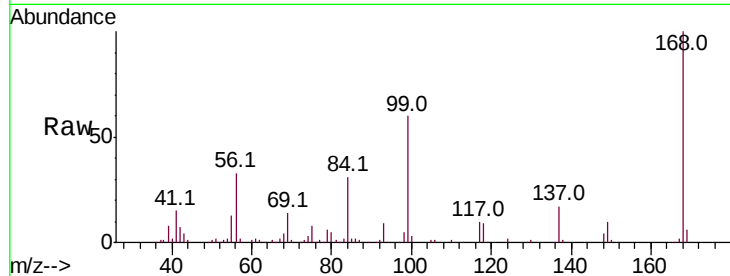
99 60.0 46.1 69.1

Manual Integrations

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5/30/2019 10:13:16 AM



#2

Dichlorodifluoromethane

Concen: 17.327 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010583.D

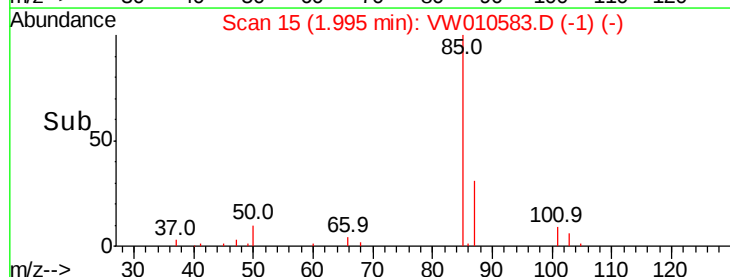
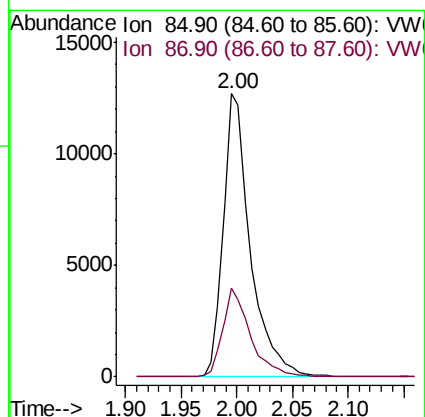
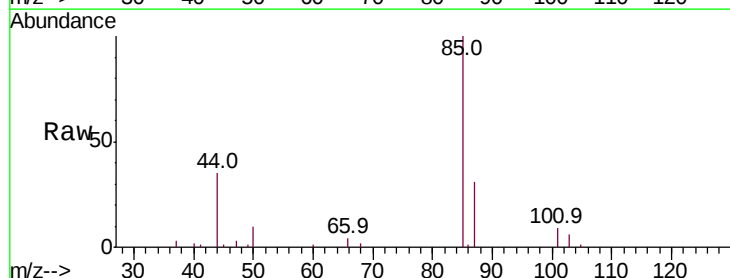
Acq: 29 May 2019 11:39

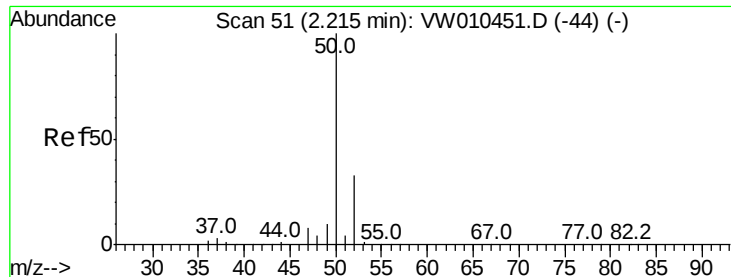
Tgt Ion: 85 Resp: 21360

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.8





#3

Chloromethane

Concen: 16.178 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 50 Resp: 23274

Ion Ratio Lower Upper

50 100

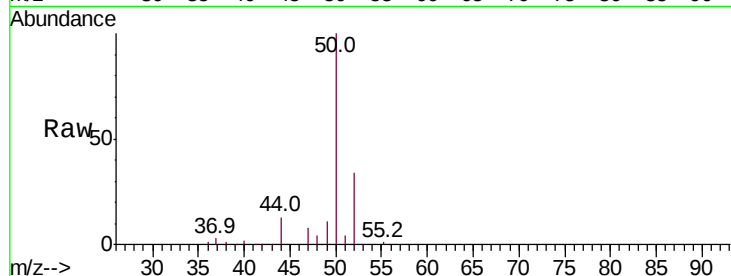
52 34.1 26.3 39.5

Manual Integrations

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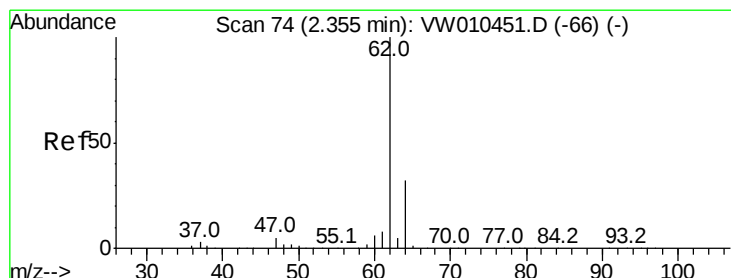
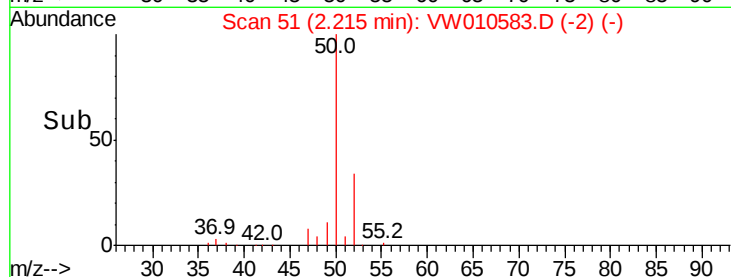
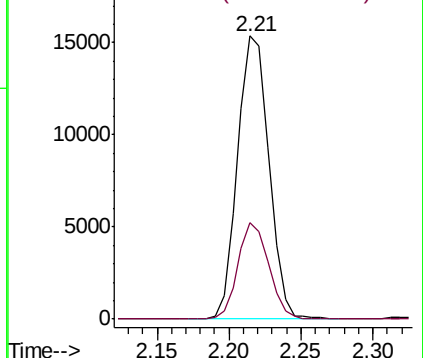
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 16.275 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010583.D

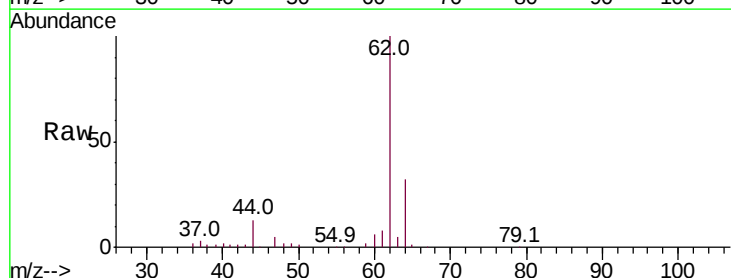
Acq: 29 May 2019 11:39

Tgt Ion: 62 Resp: 27121

Ion Ratio Lower Upper

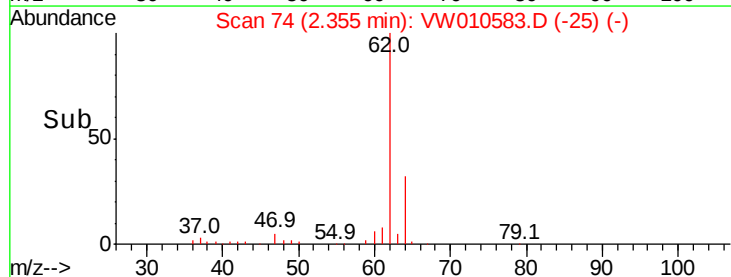
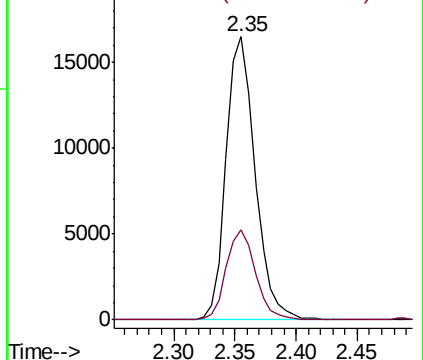
62 100

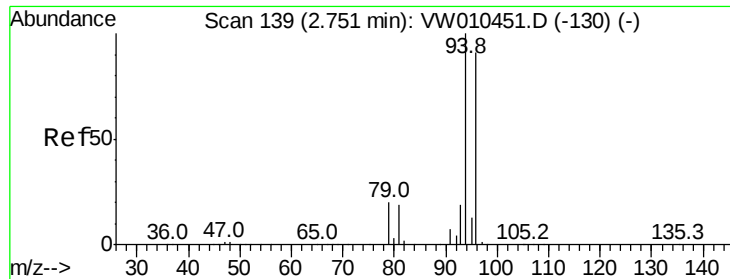
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 17.671 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 94 Resp: 20258

Ion Ratio Lower Upper

94 100

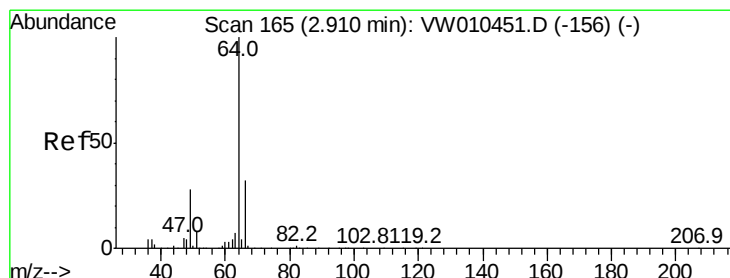
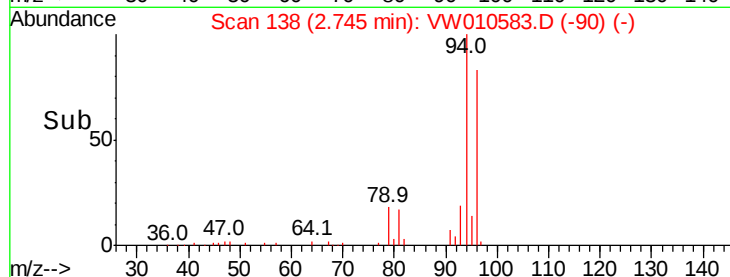
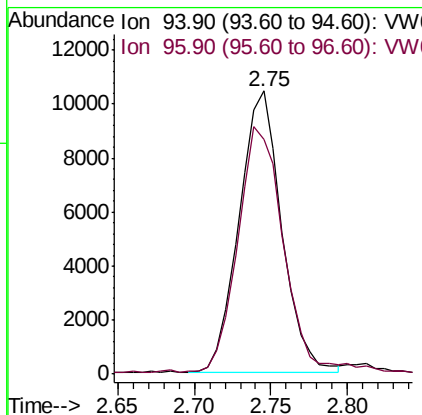
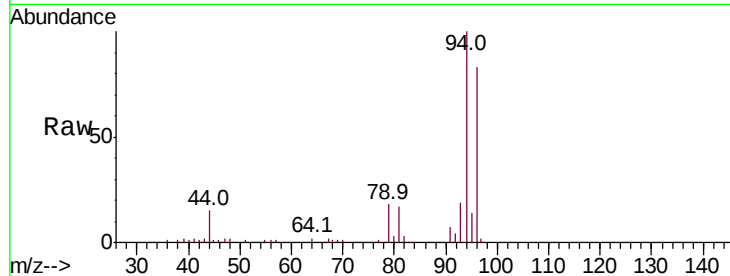
96 82.1 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 18.754 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010583.D

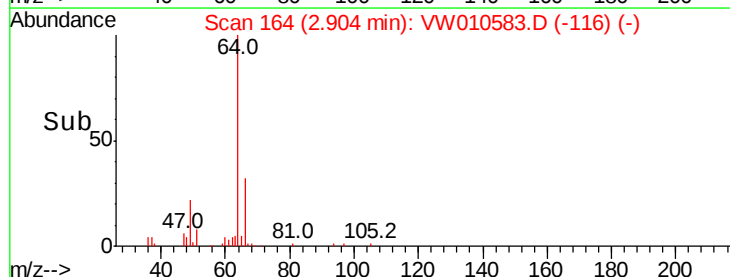
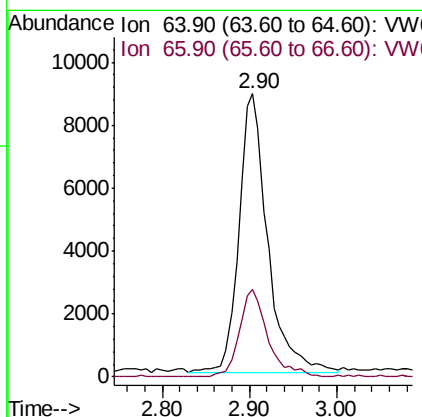
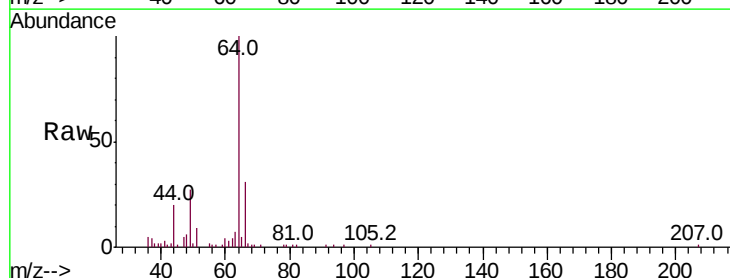
Acq: 29 May 2019 11:39

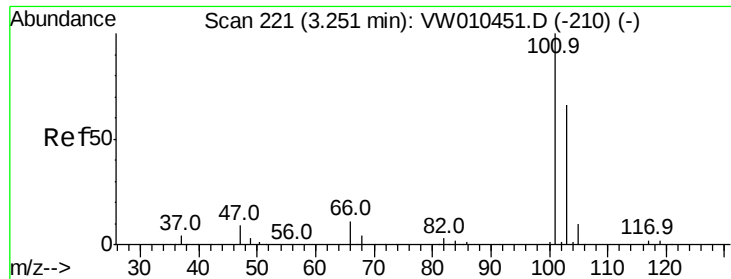
Tgt Ion: 64 Resp: 20062

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3





#7

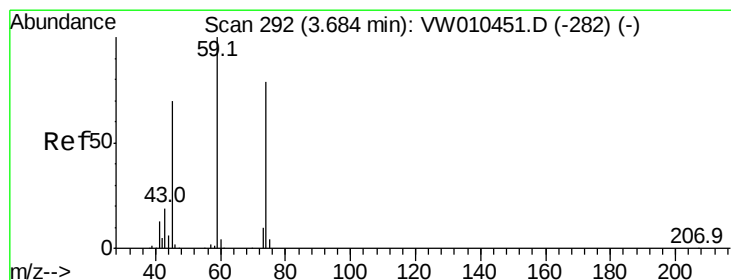
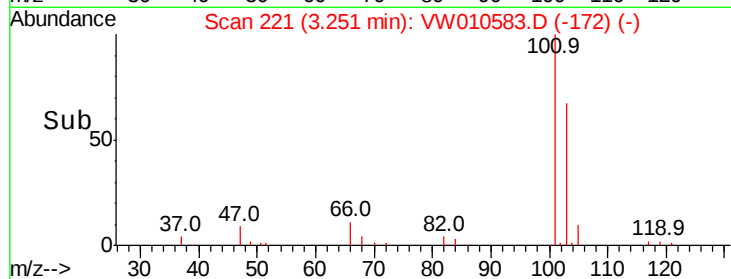
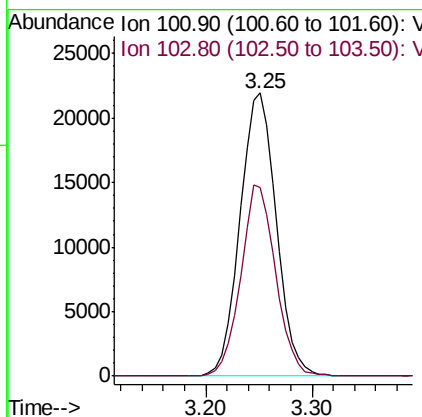
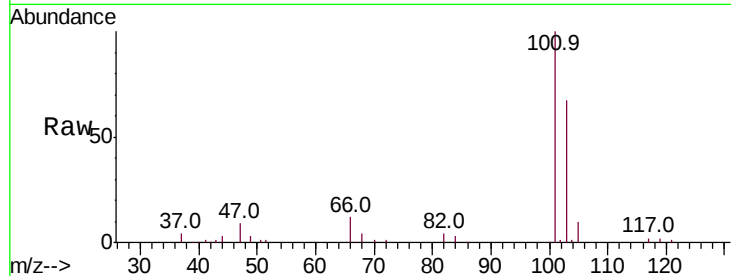
Trichlorofluoromethane
 Concen: 21.320 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	53.0	79.4

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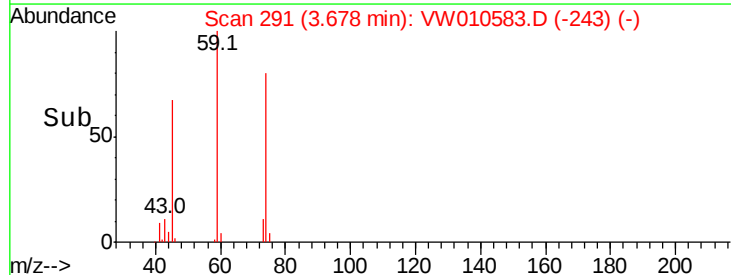
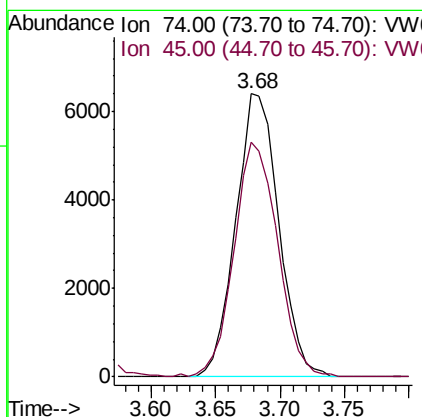
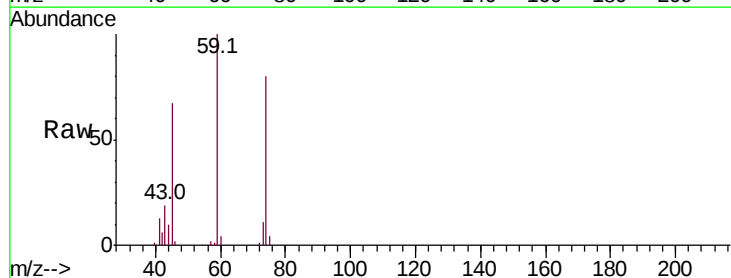
MMDadoda
 5/30/2019 10:13:16 AM

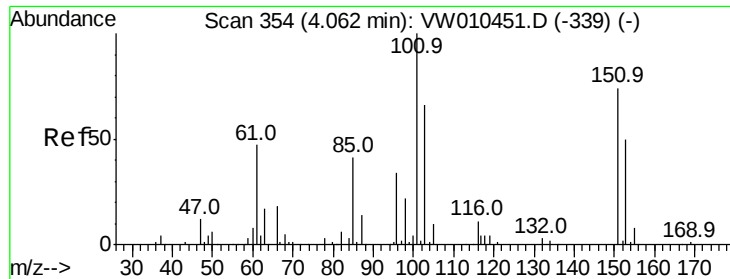


#8

Diethyl Ether
 Concen: 18.982 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.3	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.340 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

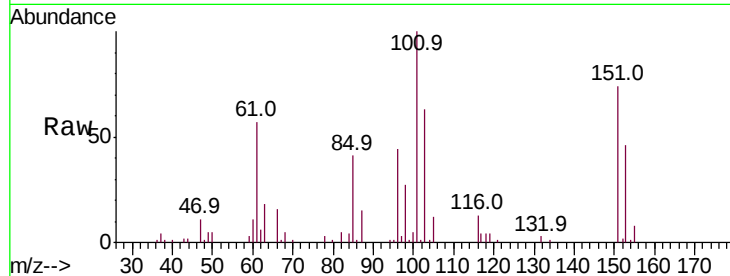
ClientSampleId :

VW0529SBS01

Tot Ion:	101	Resp:	32332
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.3	51.5
151	80.9	60.3	90.5

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5/30/2019 10:13:16 AM

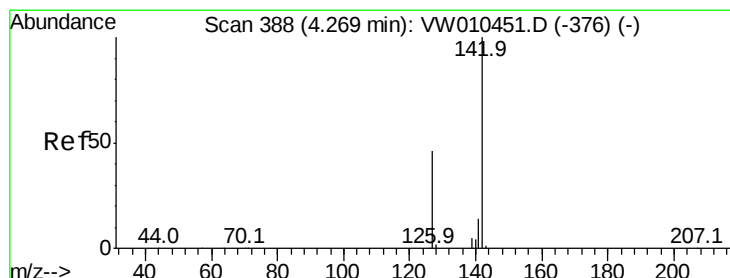
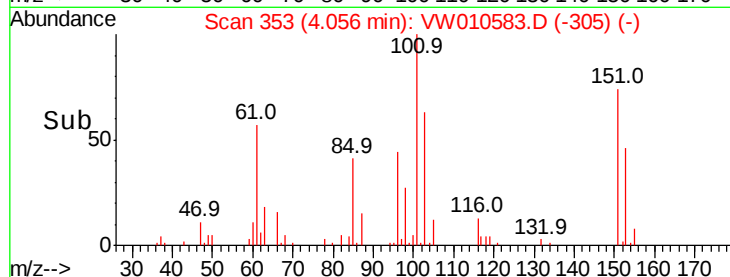
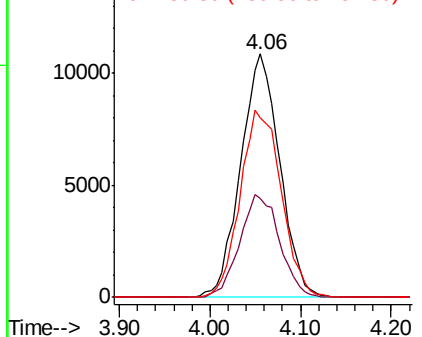


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.709 ug/l

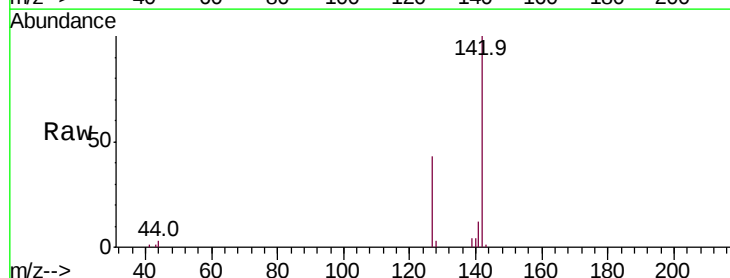
RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Tgt Ion:	142	Resp:	27205
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.1	54.1
141	13.6	11.3	16.9

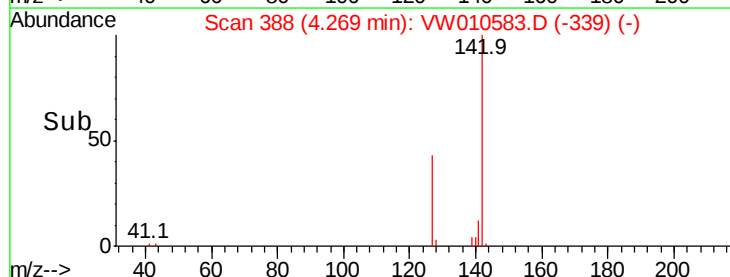
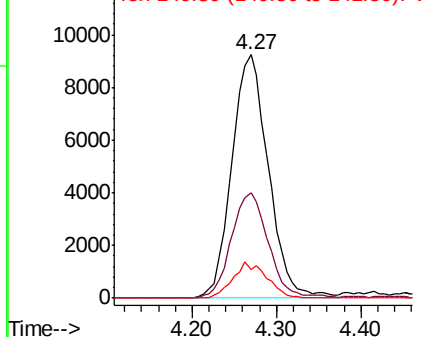


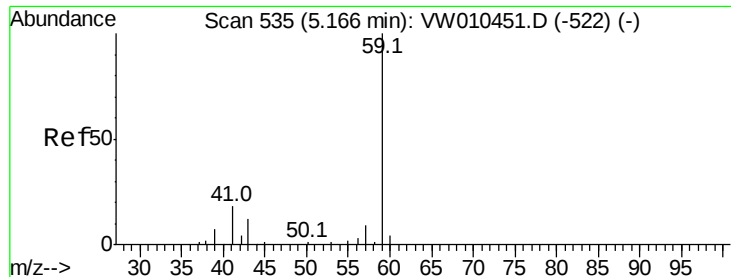
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





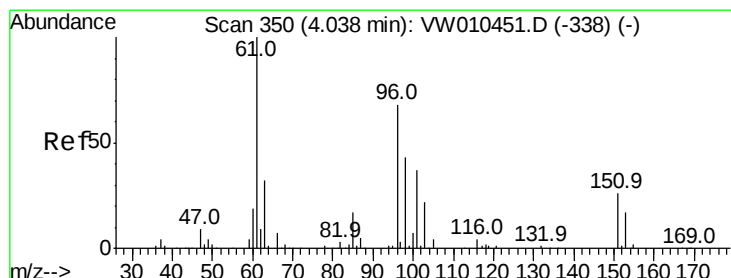
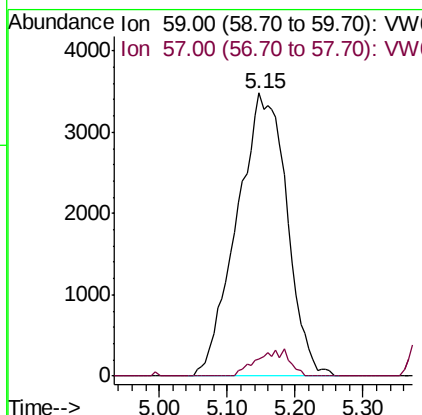
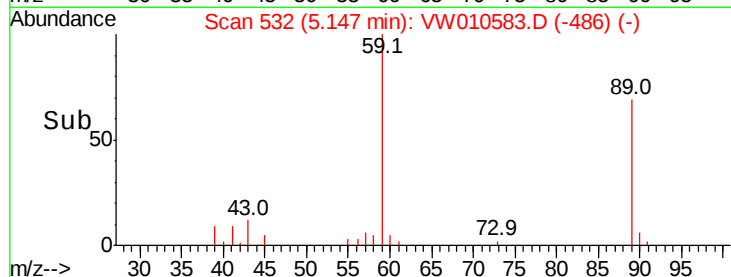
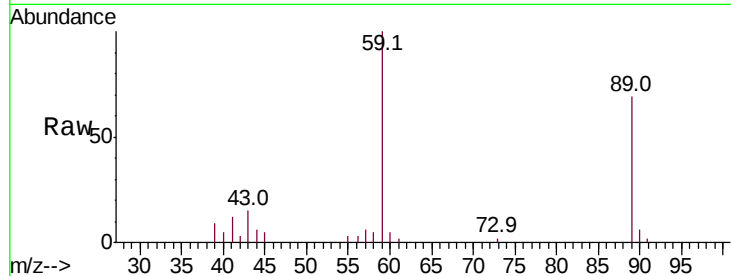
#11
Tert butyl alcohol
Concen: 139.963 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.02 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion: 59 Resp: 17793
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

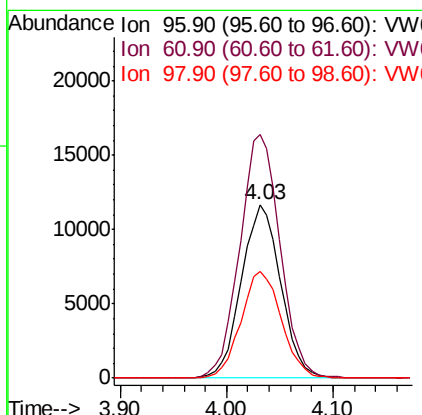
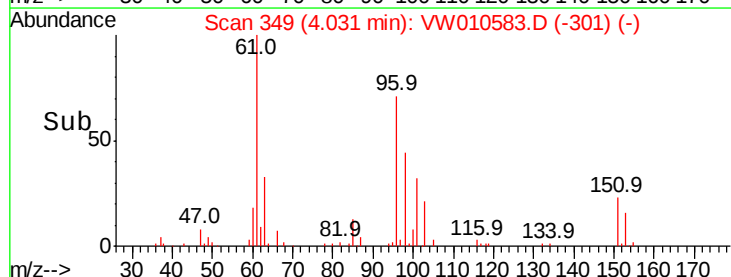
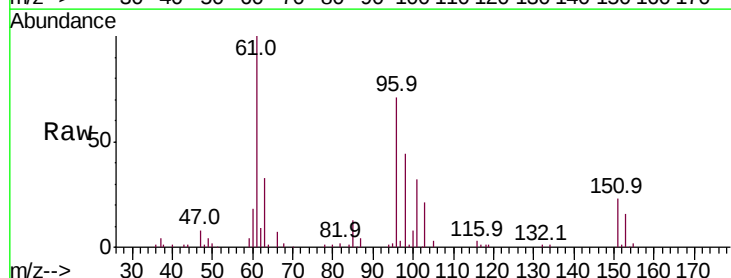
Manual Integrations
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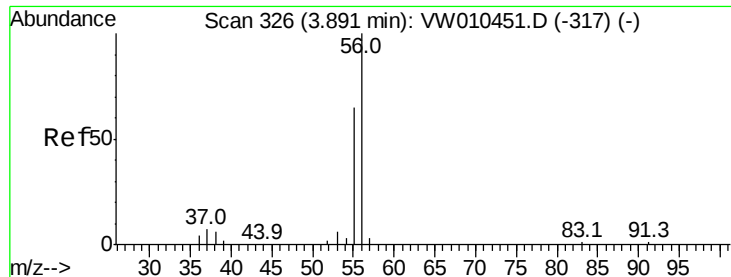
MMDadoda
5/30/2019 10:13:16 AM



#12
1,1-Dichloroethene
Concen: 20.898 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion: 96 Resp: 30225
Ion Ratio Lower Upper
96 100
61 140.5 118.3 177.5
98 61.4 51.0 76.6





#13

Acrolein

Concen: 72.546 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 56 Resp: 6547

Ion Ratio Lower Upper

56 100

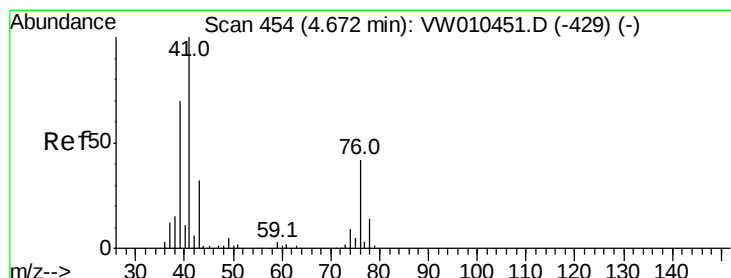
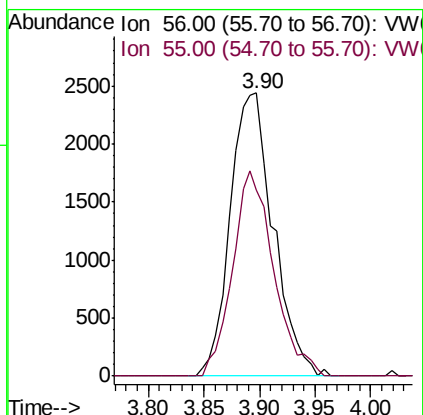
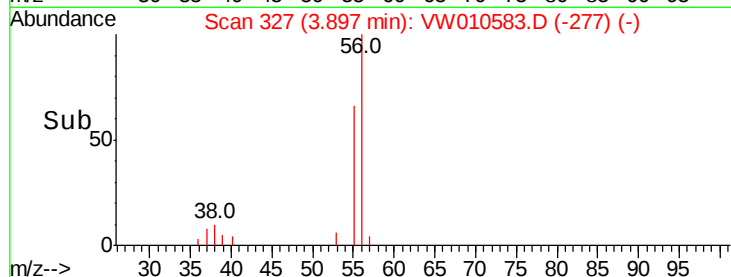
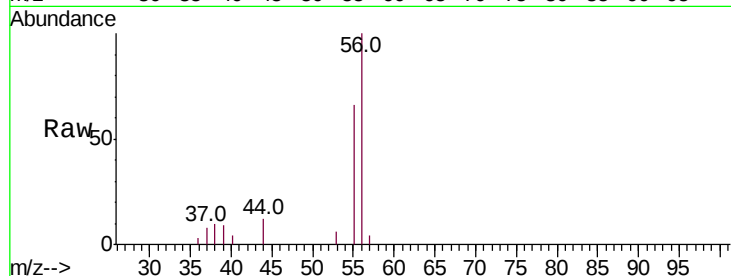
55 69.1 57.9 86.9

Manual Integrations

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#14

Allyl chloride

Concen: 19.689 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

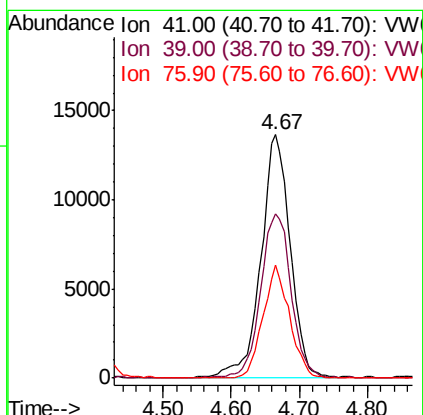
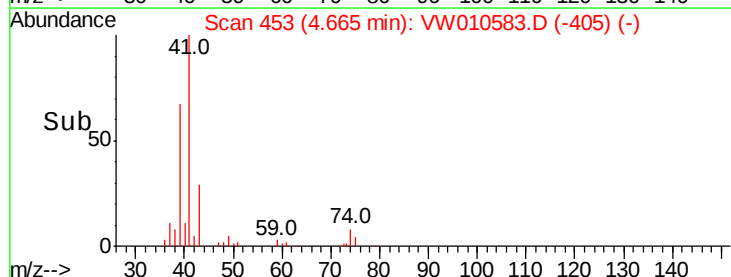
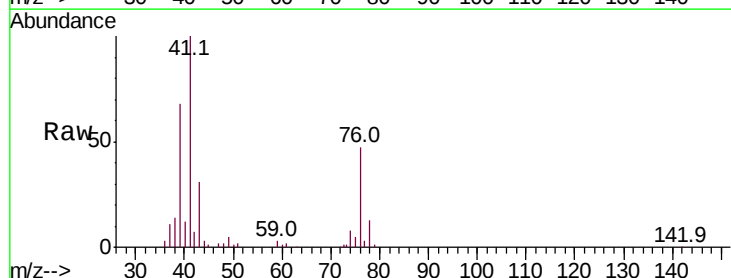
Tgt Ion: 41 Resp: 41219

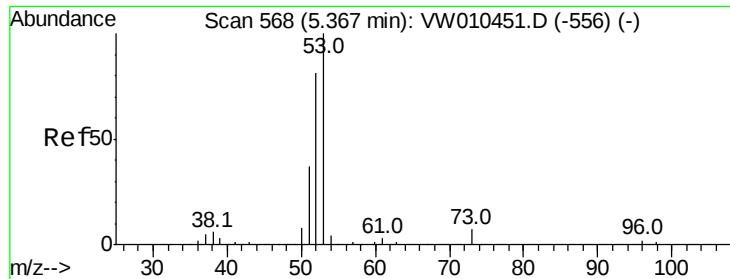
Ion Ratio Lower Upper

41 100

39 70.0 55.0 82.4

76 42.1 32.8 49.2





#15

Acrylonitrile

Concen: 91.129 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

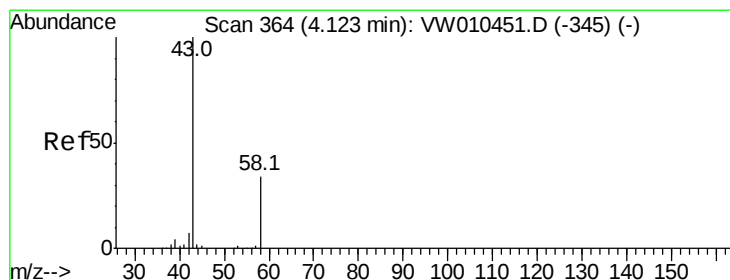
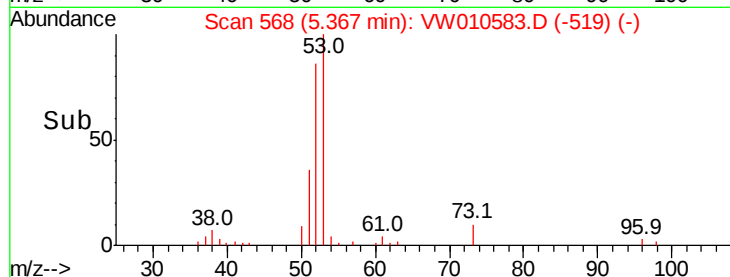
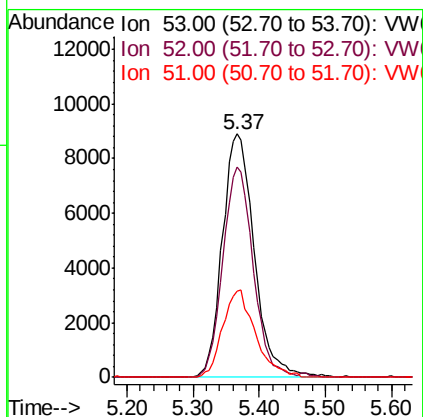
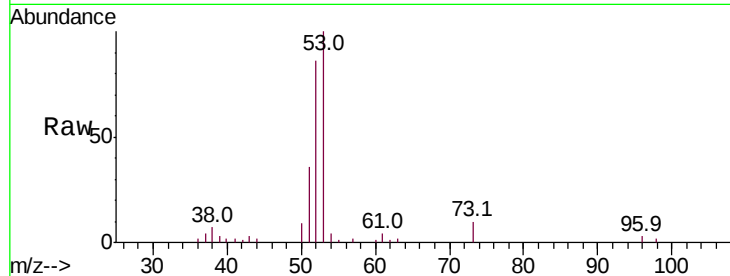
ClientSampleId :

VW0529SBS01

Tot Ion:	53	Resp:	29764
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.6	98.4
51	36.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 98.288 ug/l

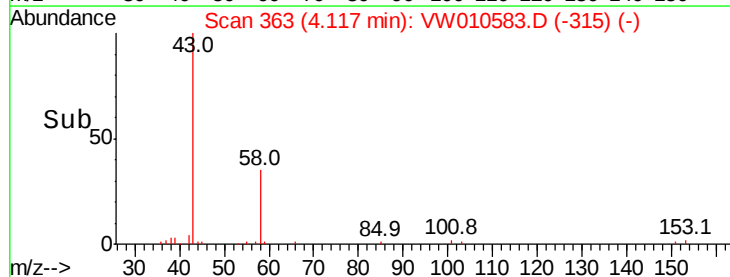
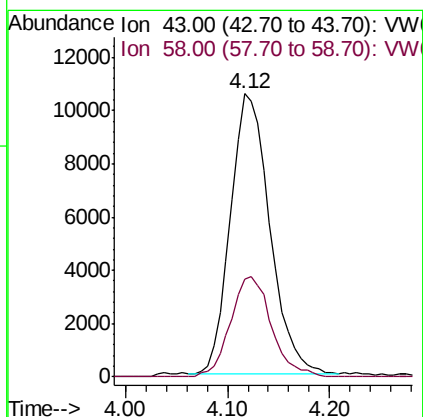
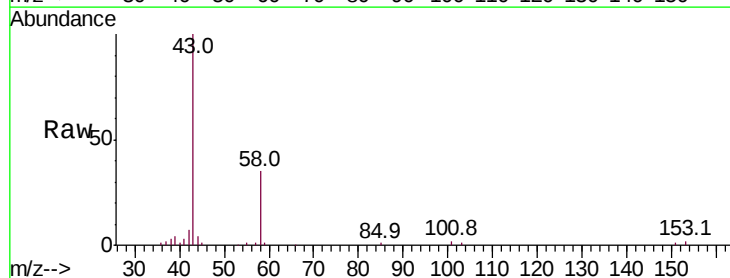
RT: 4.12 min Scan# 363

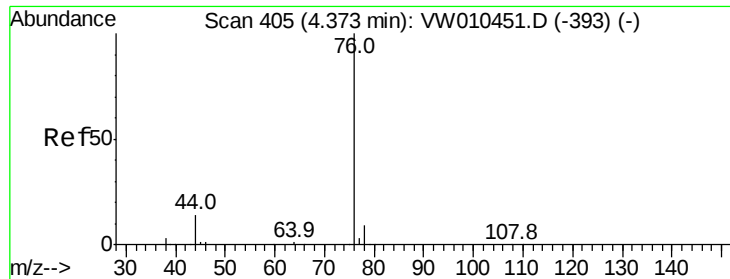
Delta R.T. -0.01 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Tgt Ion:	43	Resp:	28355
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.0	40.4





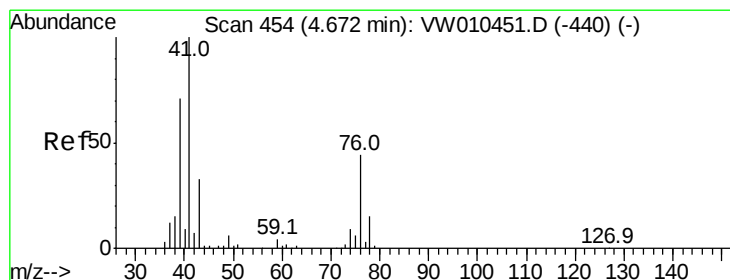
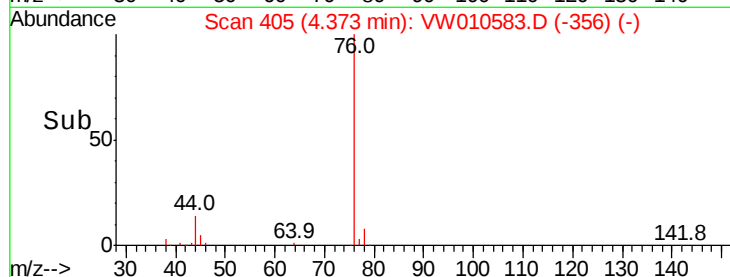
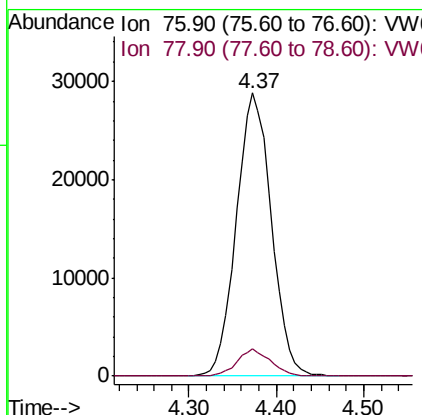
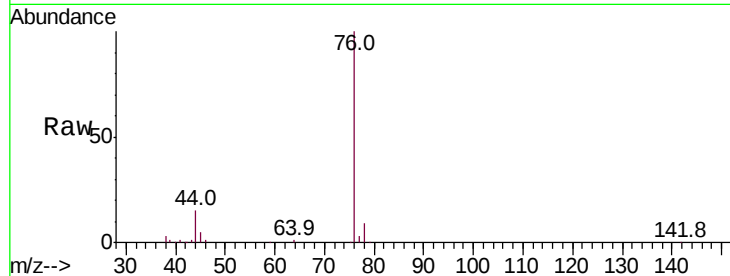
#17
Carbon Disulfide
Concen: 18.604 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion: 76 Resp: 80257
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

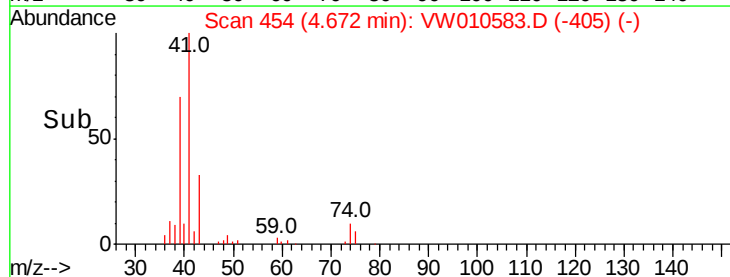
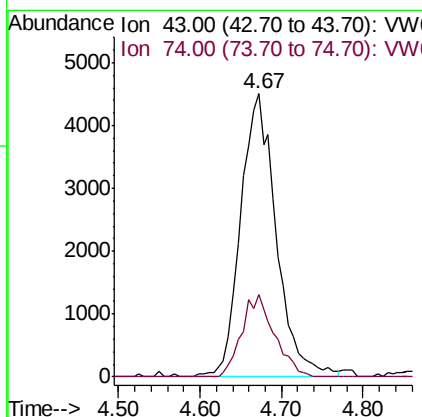
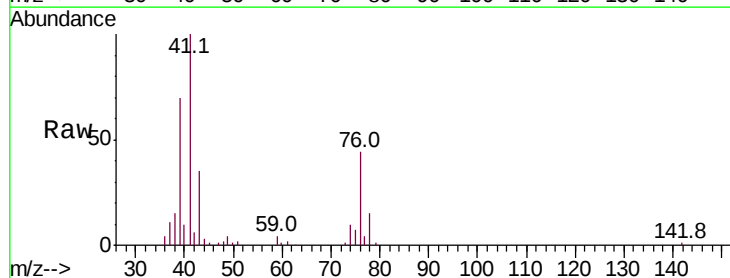
Manual Integrations
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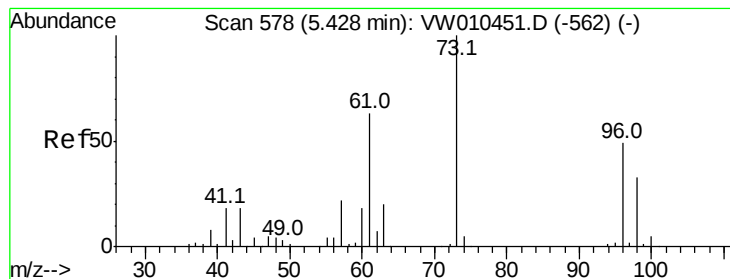
MMDadoda
5/30/2019 10:13:16 AM



#18
Methyl Acetate
Concen: 19.342 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion: 43 Resp: 13647
Ion Ratio Lower Upper
43 100
74 26.7 21.6 32.4





#19

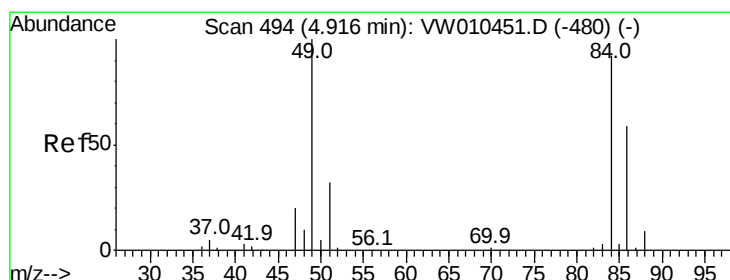
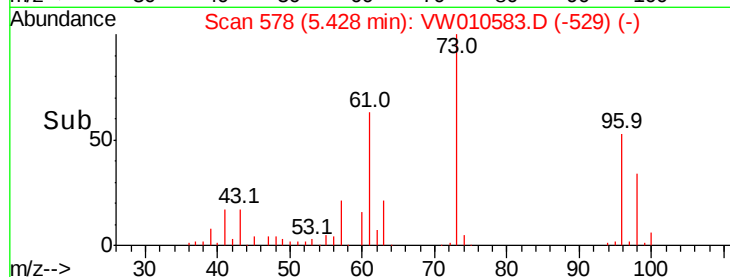
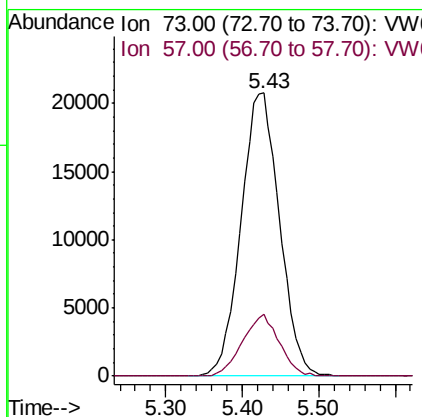
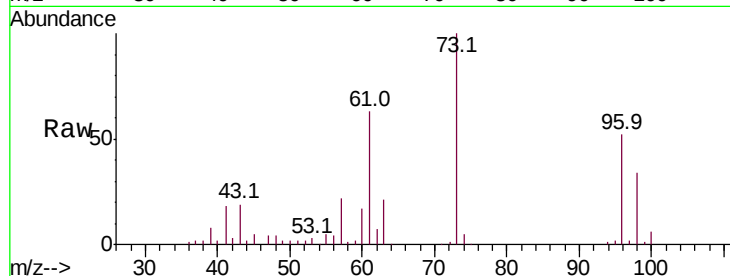
Methyl tert-butyl Ether
 Concen: 19.697 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBS01

Tot Ion: 73 Resp: 72625
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.4 26.0

Manual Integrations
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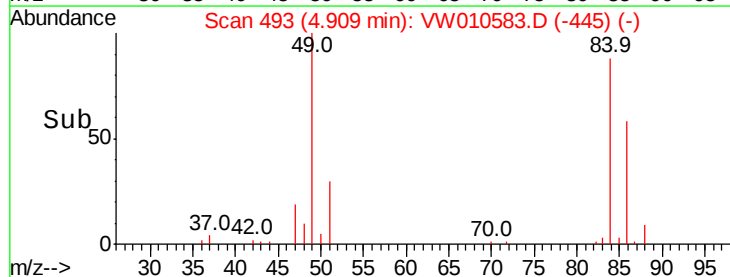
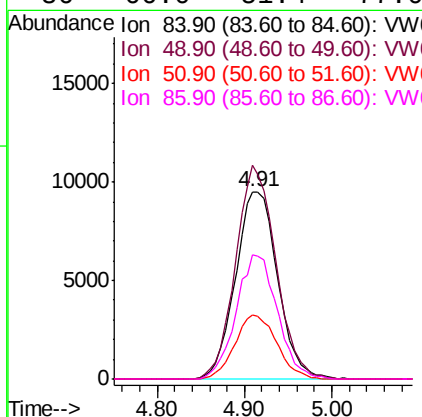
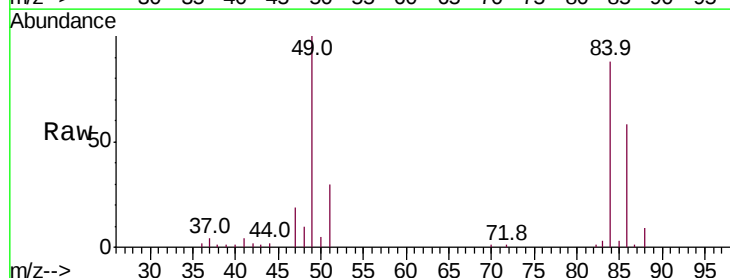
MMDadoda
 5/30/2019 10:13:16 AM

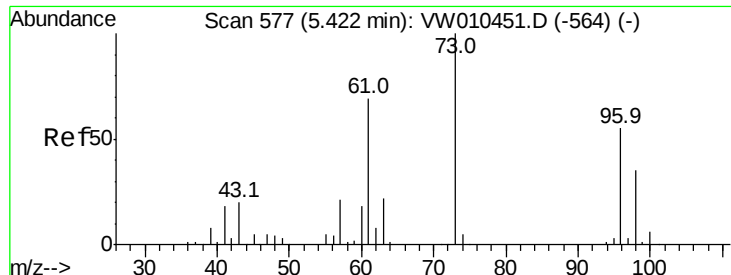


#20

Methylene Chloride
 Concen: 15.314 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Tgt Ion: 84 Resp: 31877
 Ion Ratio Lower Upper
 84 100
 49 114.1 87.2 130.8
 51 33.9 27.7 41.5
 86 66.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 21.267 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

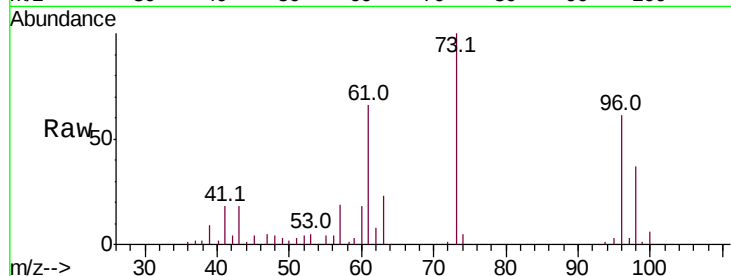
ClientSampleId :

VW0529SBS01

Tot Ion:	96	Resp:	35281
Ion Ratio	Lower	Upper	
96	100		
61	109.3	101.4	152.0
98	61.2	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
5/30/2019 10:13:16 AM

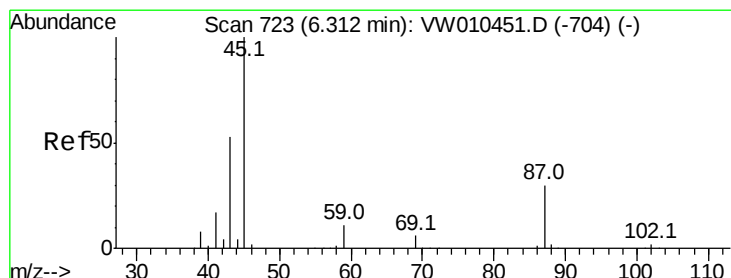
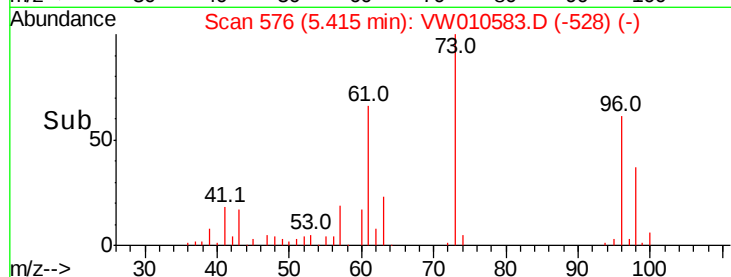
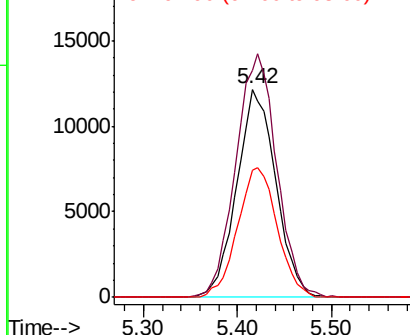


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.026 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Tgt Ion:	45	Resp:	85967
Ion Ratio	Lower	Upper	
45	100		
43	52.9	42.9	64.3
87	31.9	24.6	36.8
59	12.6	9.4	14.0

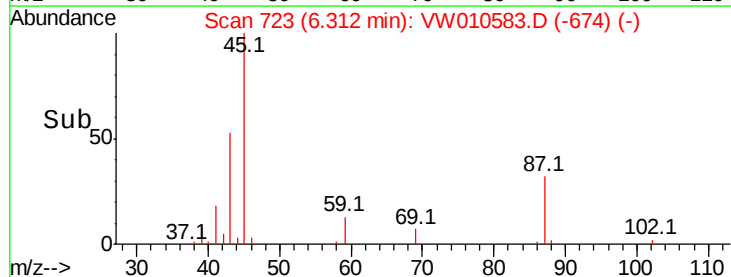
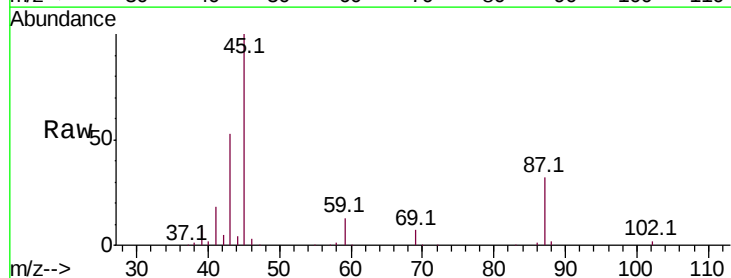
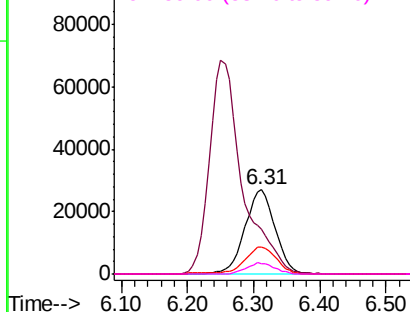
Abundance

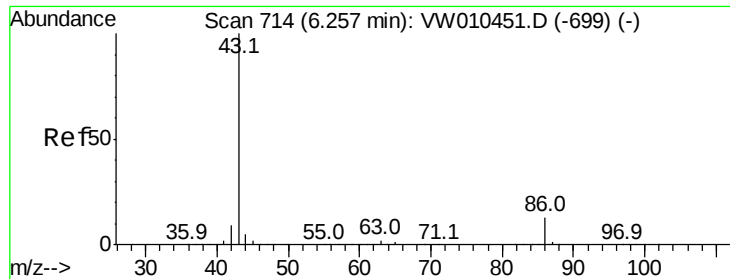
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 92.092 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 43 Resp: 236143

Ion Ratio Lower Upper

43 100

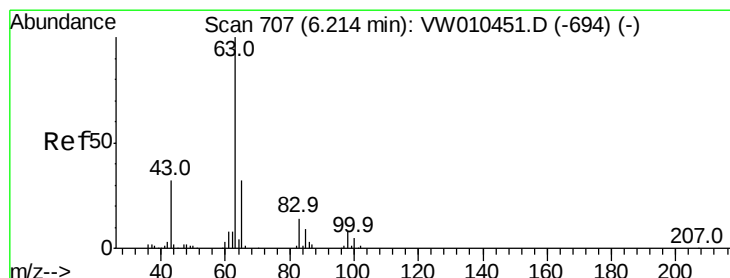
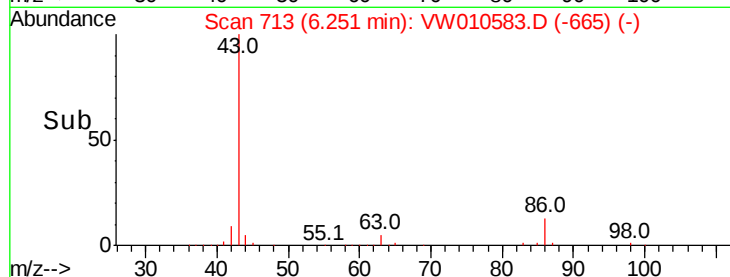
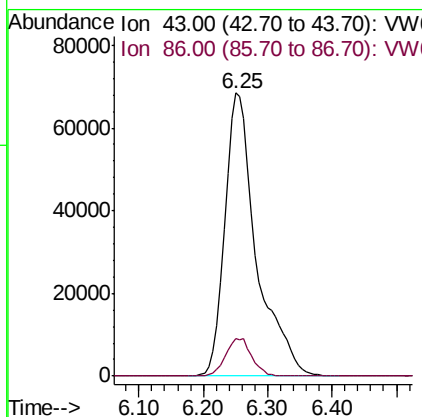
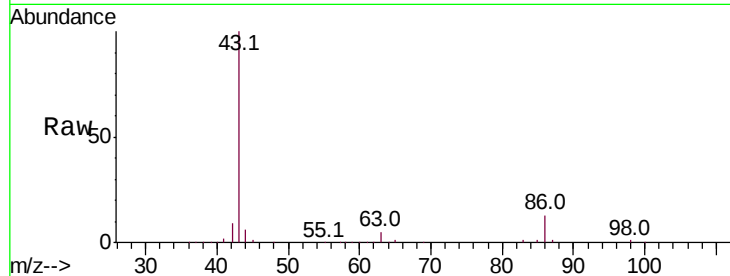
86 13.4 10.3 15.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.005 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

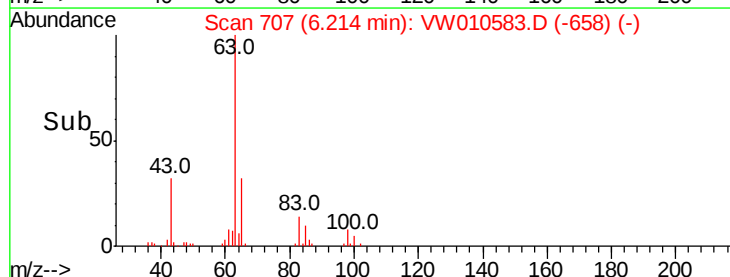
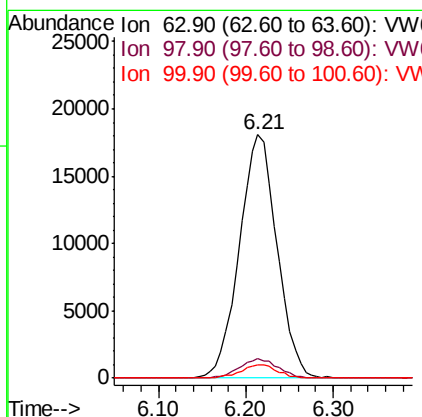
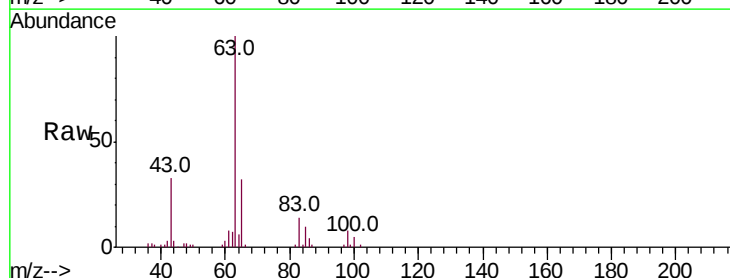
Tgt Ion: 63 Resp: 53808

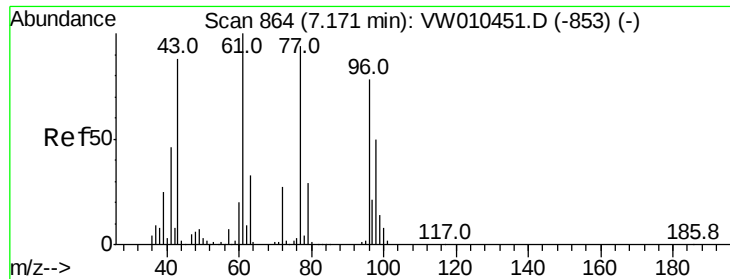
Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.2

100 5.4 2.5 7.4





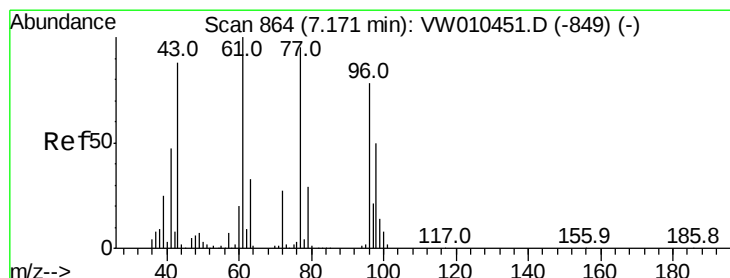
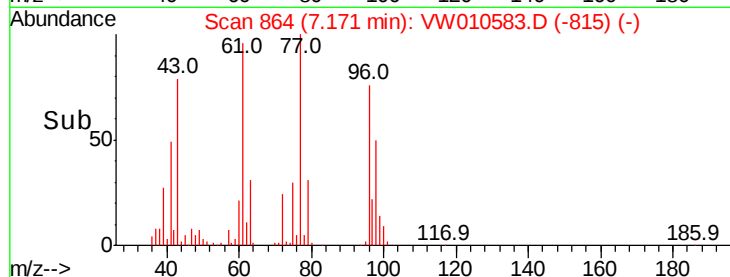
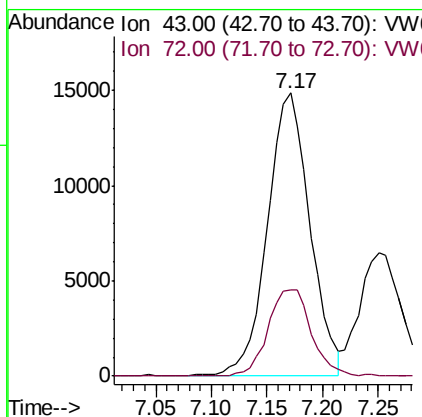
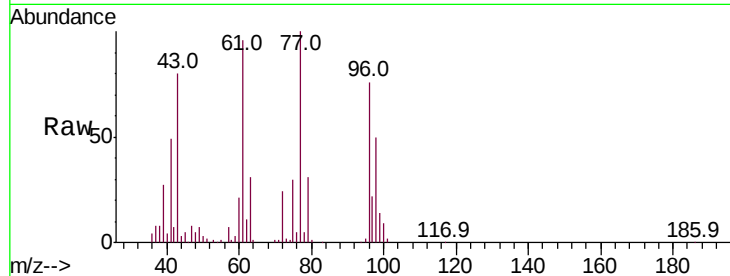
#25
2-Butanone
Concen: 95.853 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion: 43 Resp: 39573
Ion Ratio Lower Upper
43 100
72 30.6 24.1 36.1

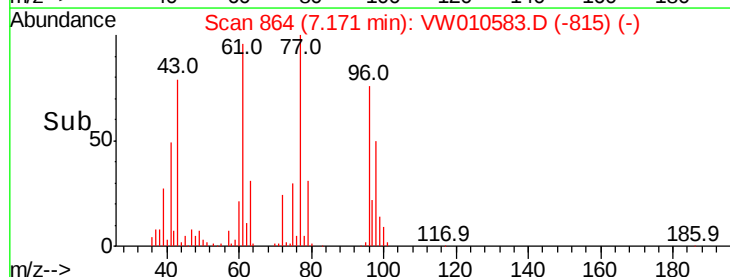
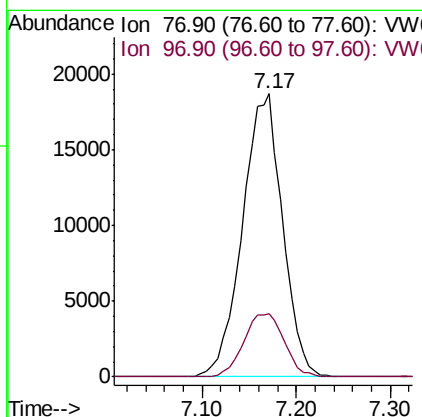
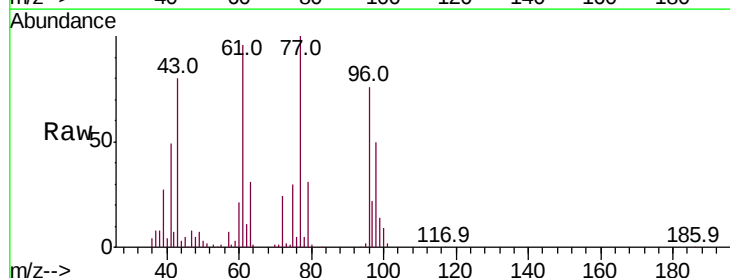
Manual Integrations
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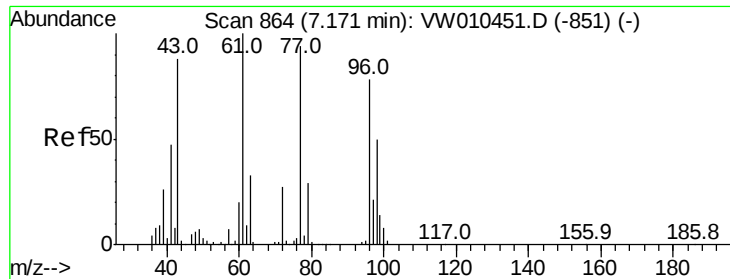
MMDadoda
5/30/2019 10:13:16 AM



#26
2,2-Dichloropropane
Concen: 22.800 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion: 77 Resp: 55635
Ion Ratio Lower Upper
77 100
97 22.5 11.7 35.0





#27

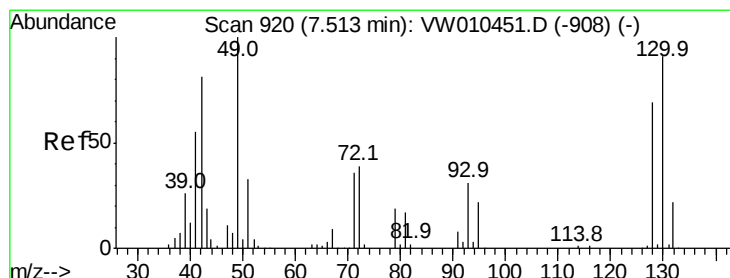
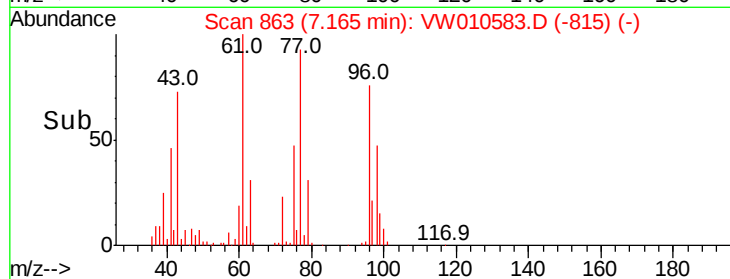
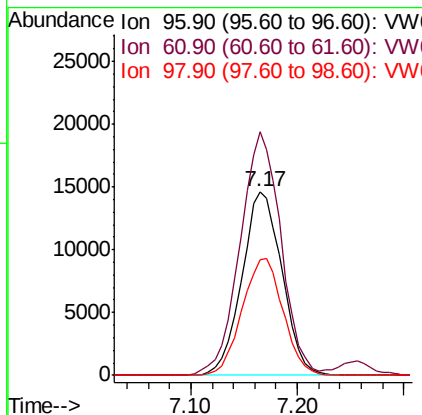
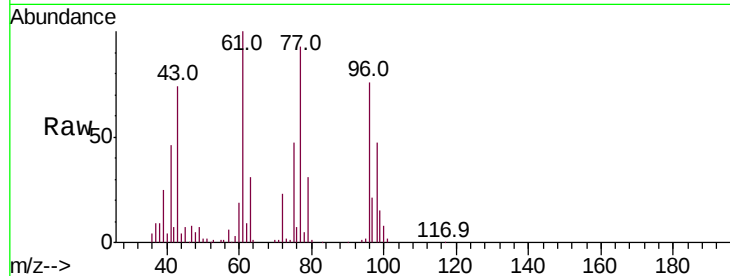
cis-1,2-Dichloroethene
 Concen: 21.423 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	265.4
98	64.8	0.0	129.4

Manual Integrations
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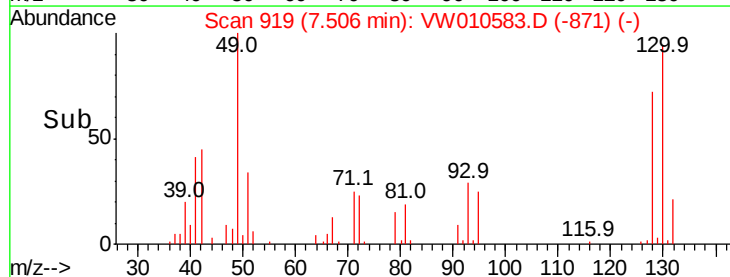
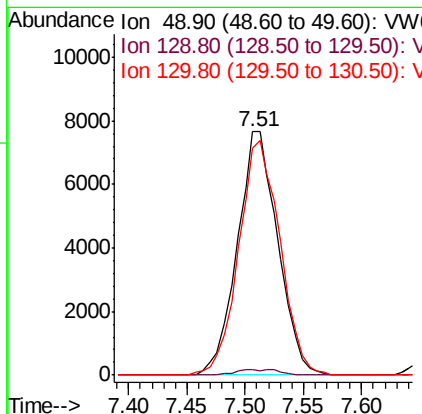
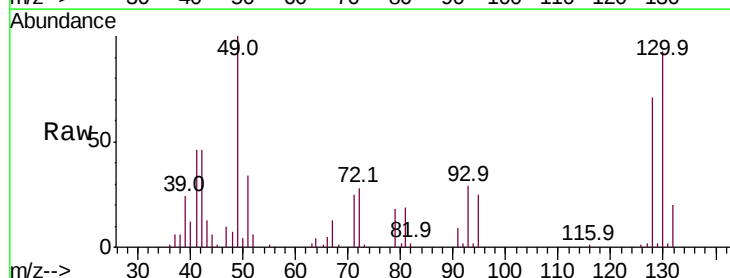
MMDadoda
 5/30/2019 10:13:16 AM

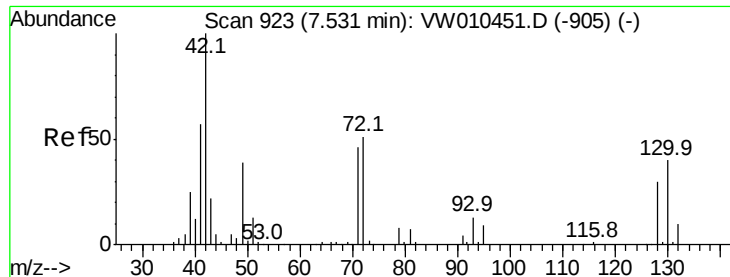


#28

Bromochloromethane
 Concen: 20.232 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	97.6	71.2	106.8





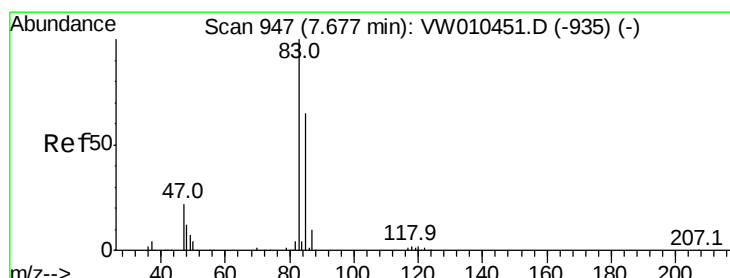
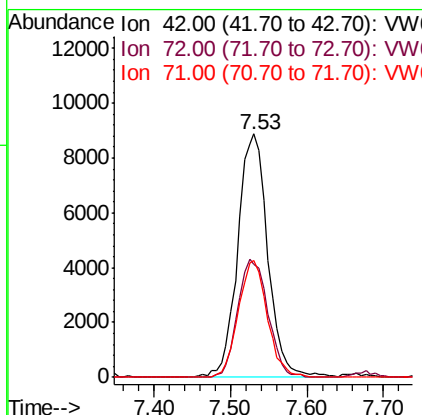
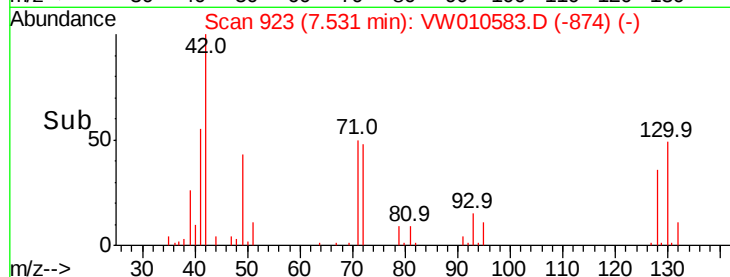
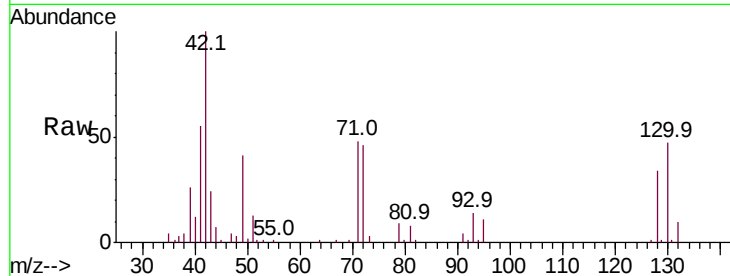
#29
Tetrahydrofuran
Concen: 86.660 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion:	42	Resp:	24210
Ion Ratio	Lower	Upper	
42	100		
72	48.9	38.5	57.7
71	46.2	36.5	54.7

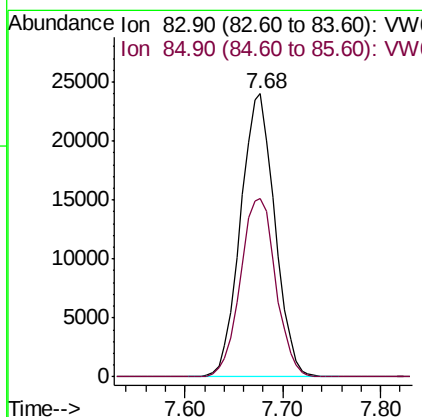
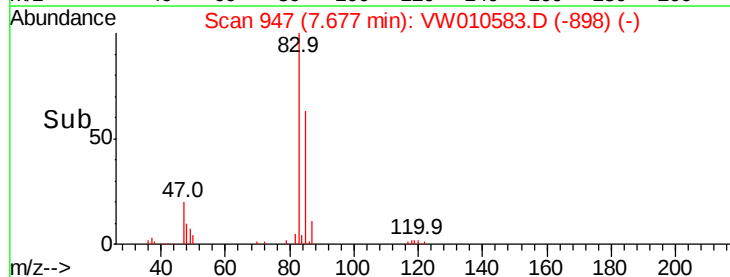
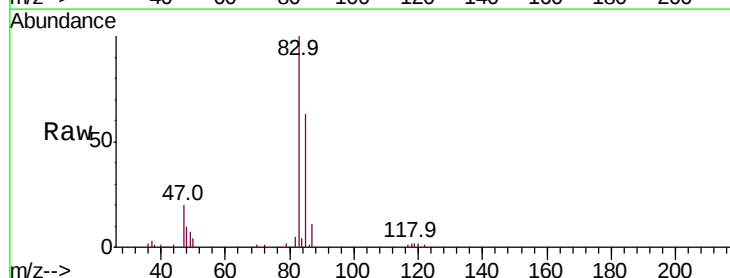
Manual Integrations
APPROVED

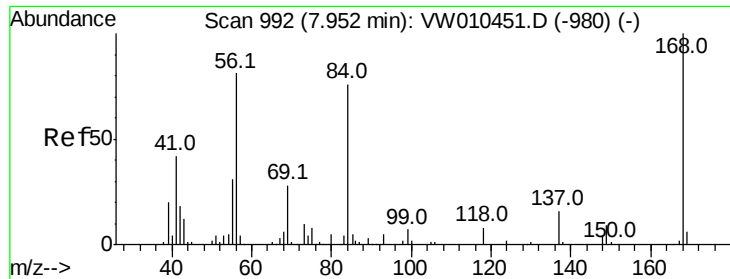
MMDadoda
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#30
Chloroform
Concen: 21.087 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion:	83	Resp:	58267
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.2	78.4





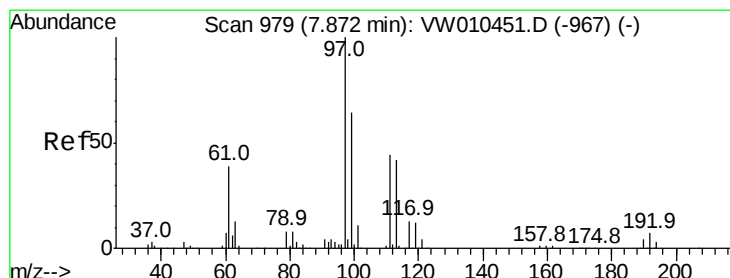
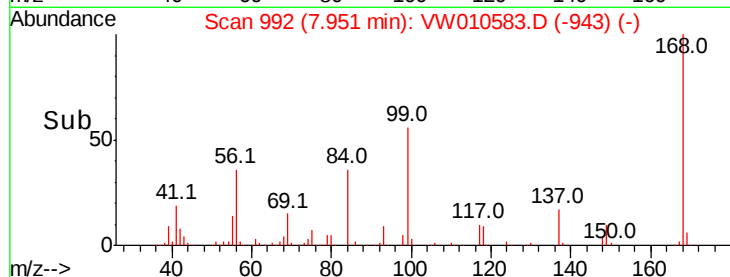
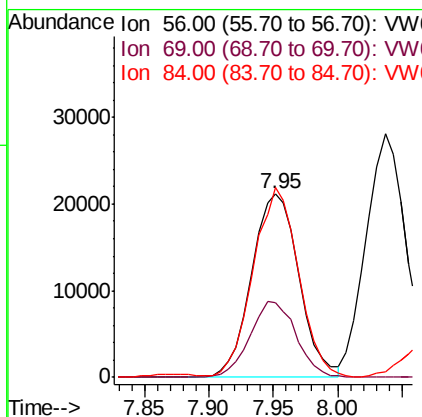
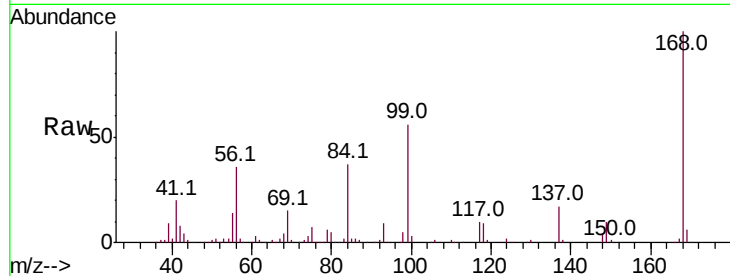
#31
Cyclohexane
Concen: 20.138 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.6	28.2	42.2
84	101.7	75.8	113.8

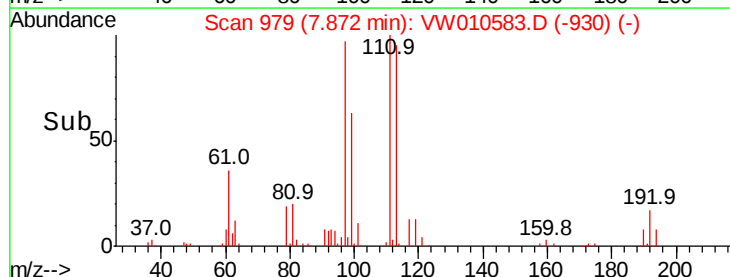
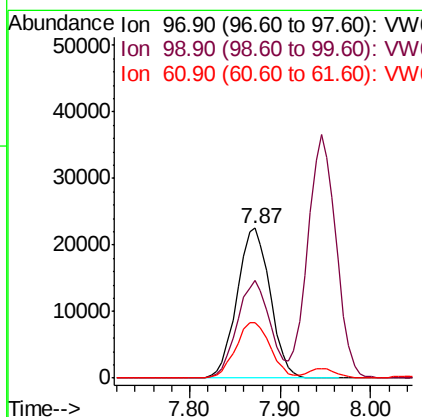
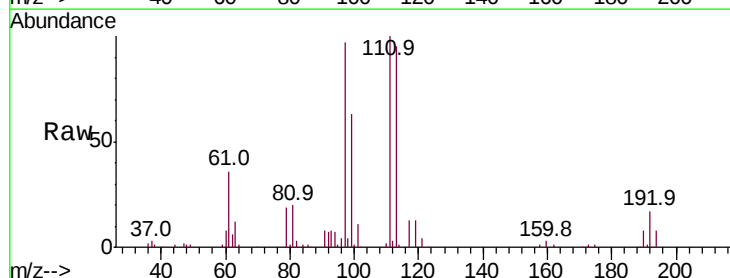
Manual Integrations
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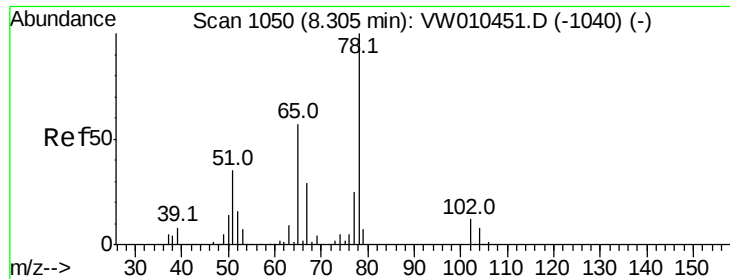
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#32
1,1,1-Trichloroethane
Concen: 21.559 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.8	76.2
61	38.7	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 46.371 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 65 Resp: 65537

Ion Ratio Lower Upper

65 100

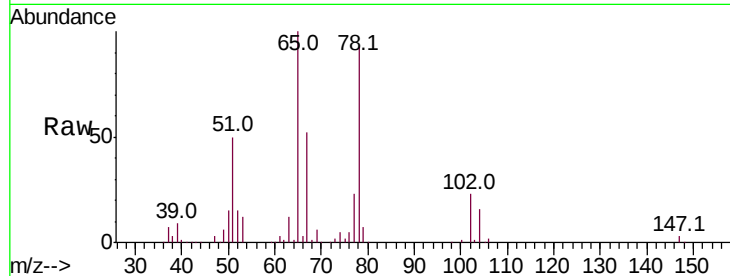
67 53.3 0.0 103.6

Manual Integrations

APPROVED

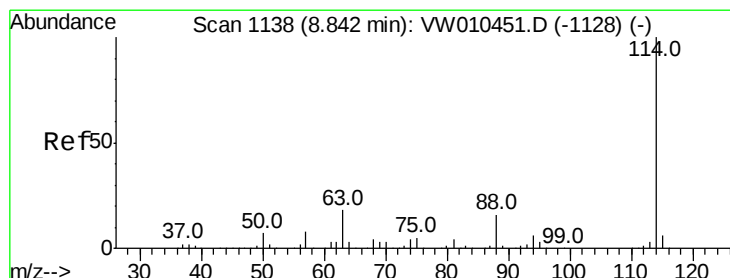
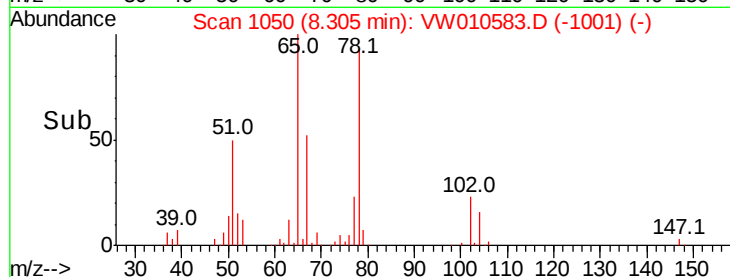
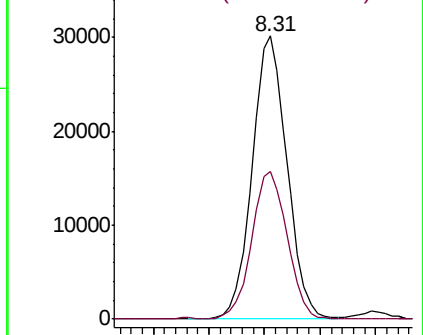
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

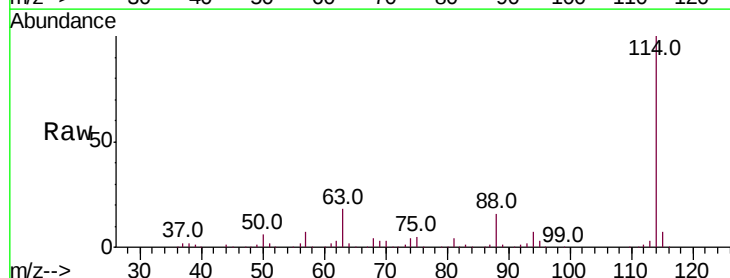
Tgt Ion: 114 Resp: 225411

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.0

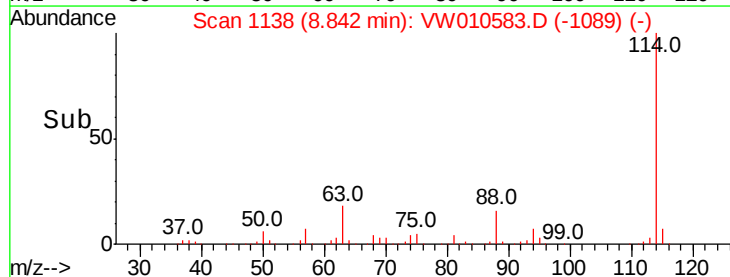
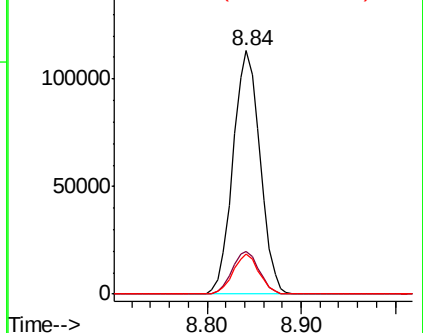
88 16.3 0.0 32.0

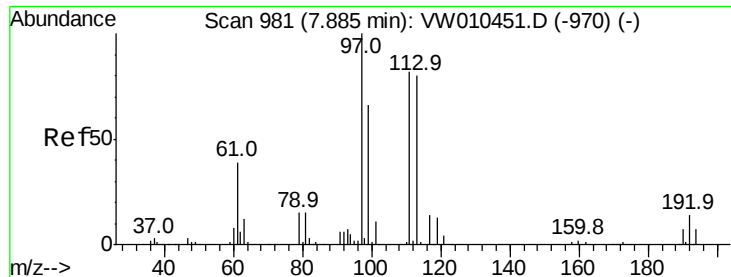


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 50.647 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

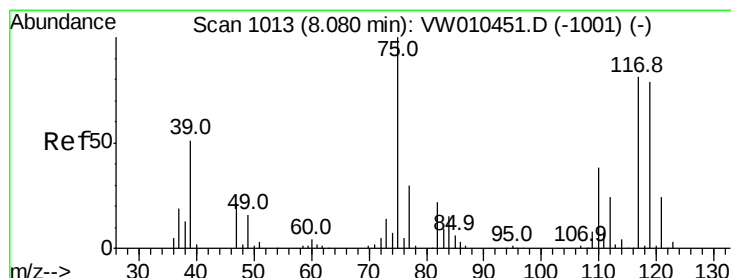
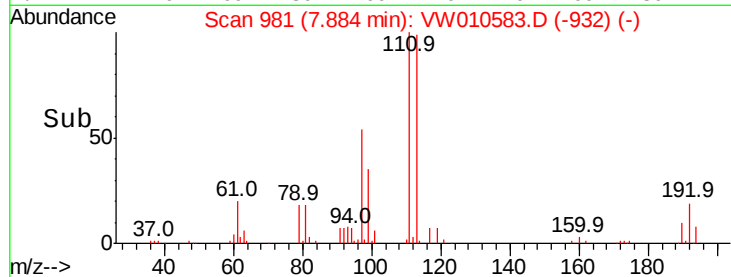
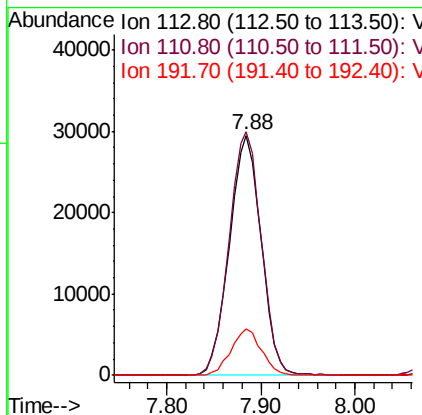
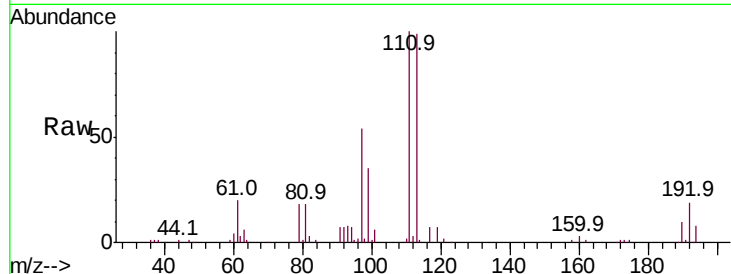
ClientSampleId :

VW0529SBS01

Tot Ion:	113	Resp:	69272
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	18.4	14.3	21.5

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#36

1,1-Dichloropropene

Concen: 22.330 ug/l

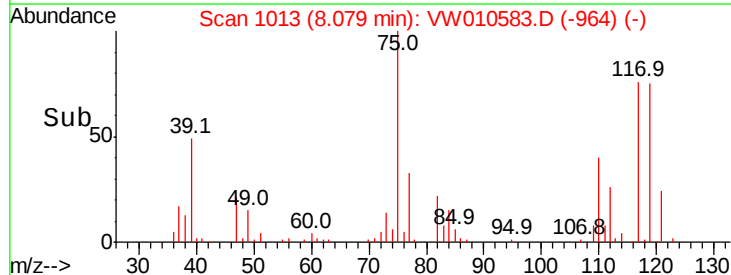
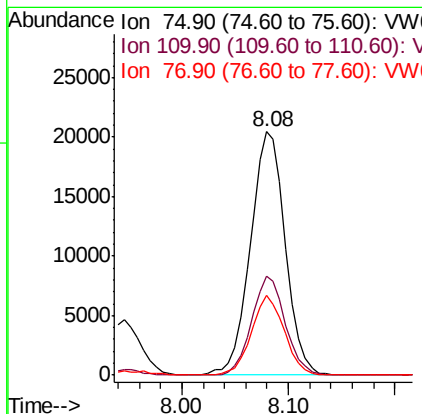
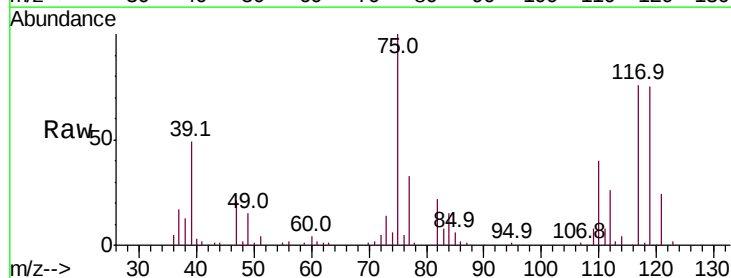
RT: 8.08 min Scan# 1013

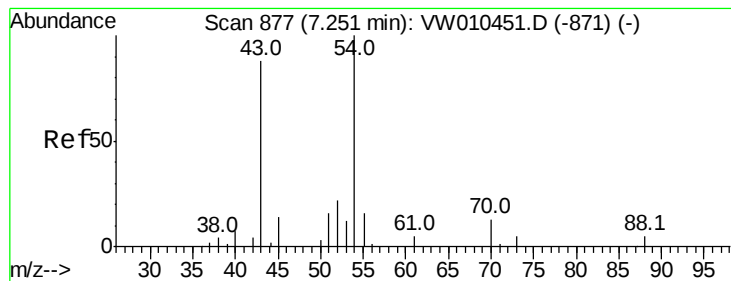
Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Tgt Ion:	75	Resp:	46888
Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.2	57.6
77	30.9	25.2	37.8





#37

Ethyl Acetate

Concen: 19.896 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

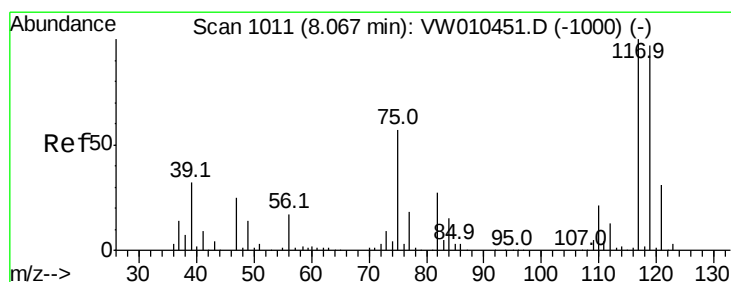
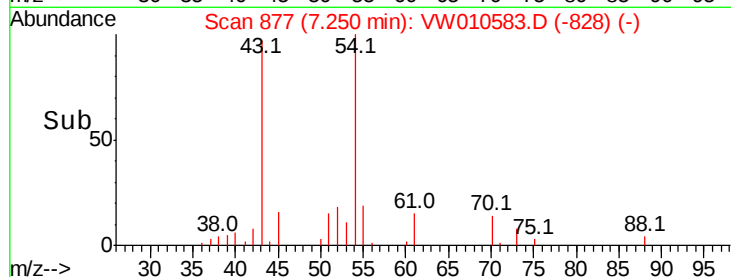
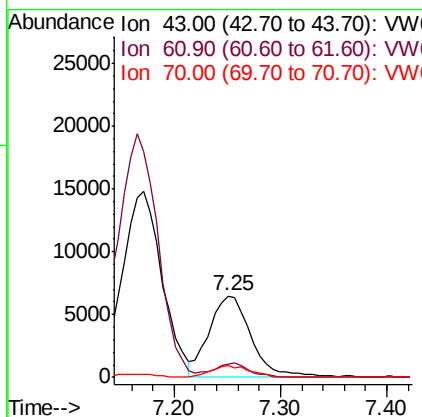
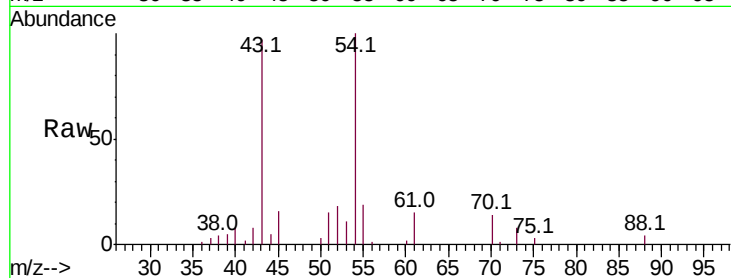
ClientSampled :

VW0529SBS01

Tot Ion:	43	Resp:	17766
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.2	16.8
70	13.2	9.9	14.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 22.637 ug/l

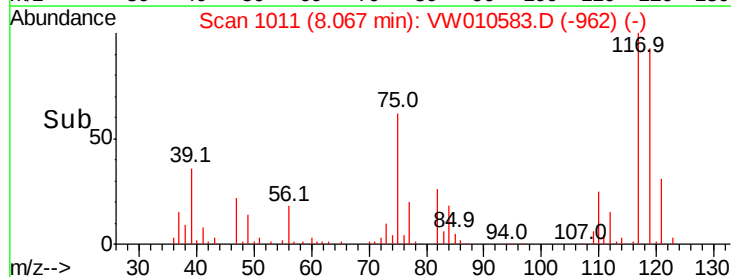
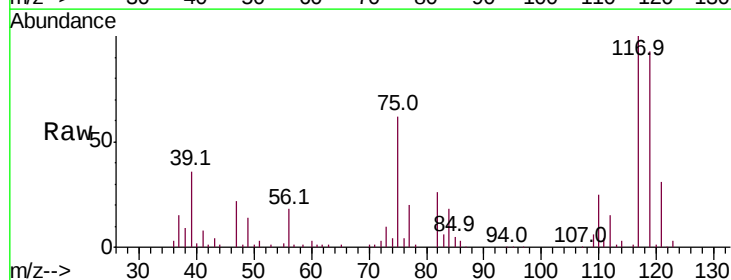
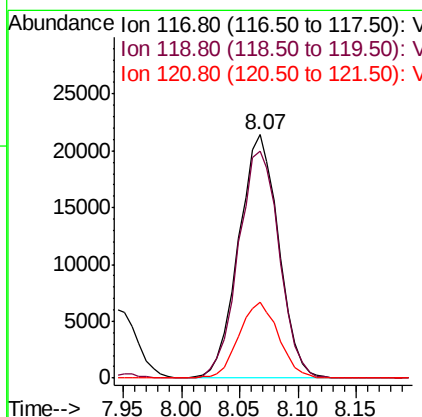
RT: 8.07 min Scan# 1011

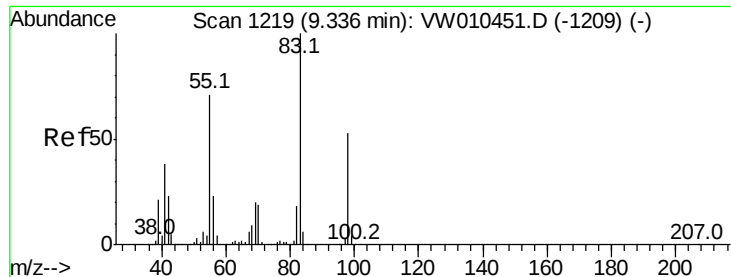
Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Tgt Ion:	117	Resp:	51277
Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.4	116.0
121	31.1	25.0	37.6





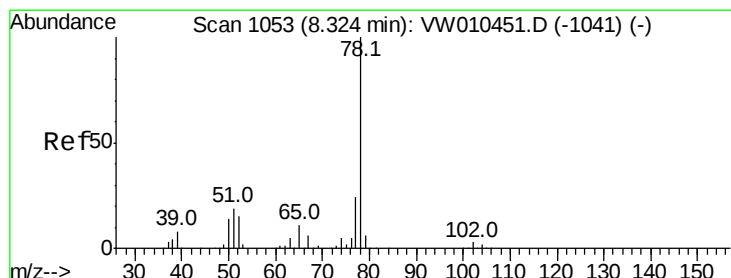
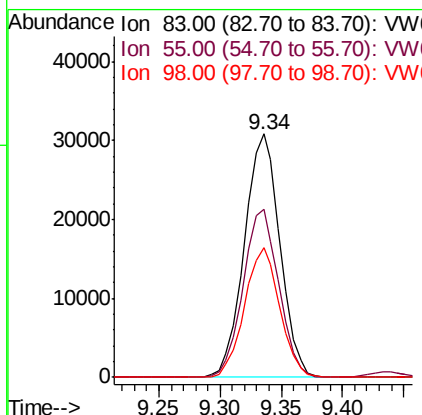
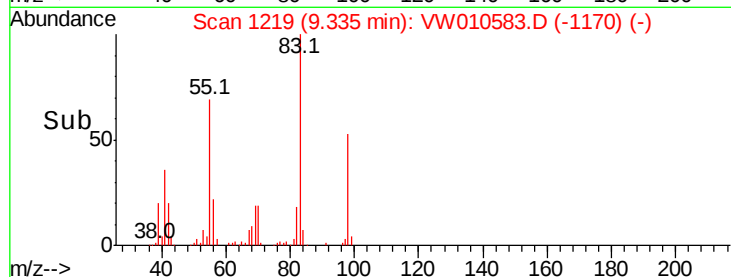
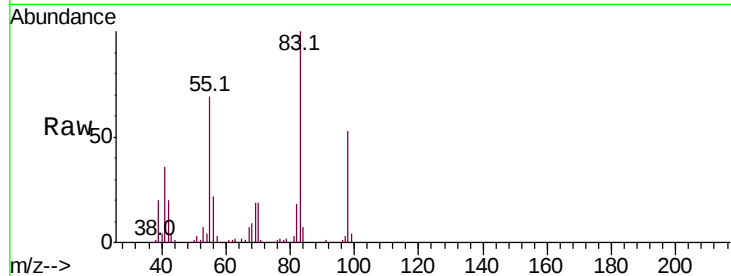
#39
Methvlcvclohexane
Concen: 22.126 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.2	57.0	85.6
98	53.4	42.0	63.0

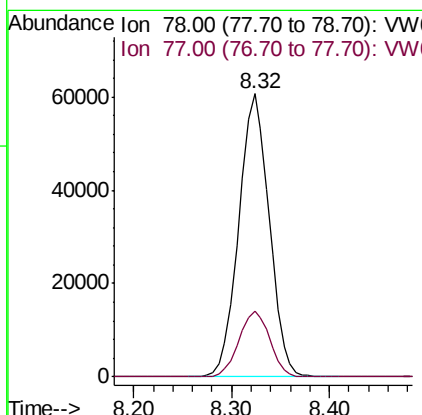
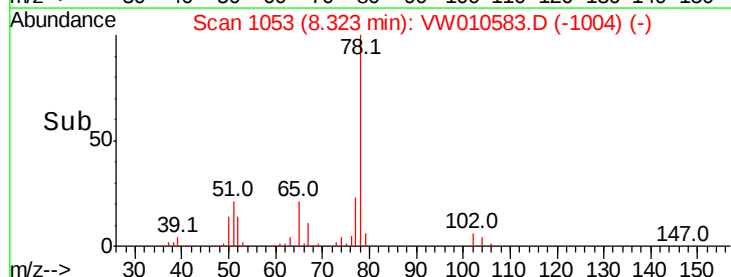
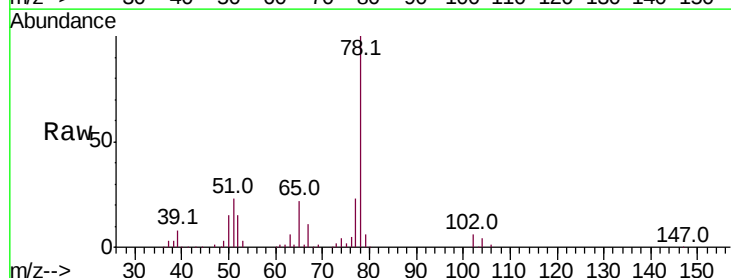
Manual Integrations
APPROVED

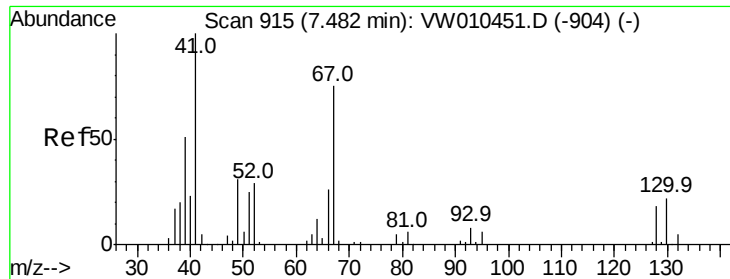
MMDadoda
5/30/2019 10:13:16 AM



#40
Benzene
Concen: 22.459 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3





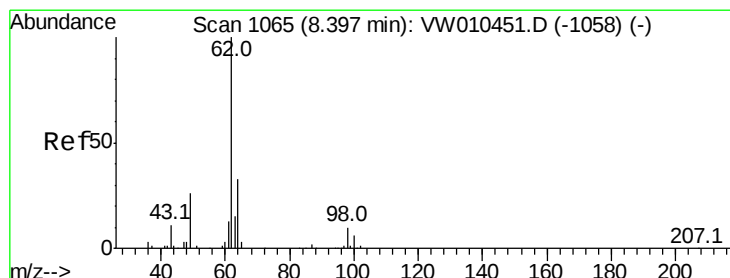
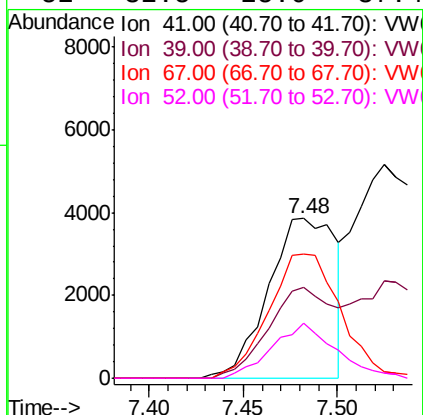
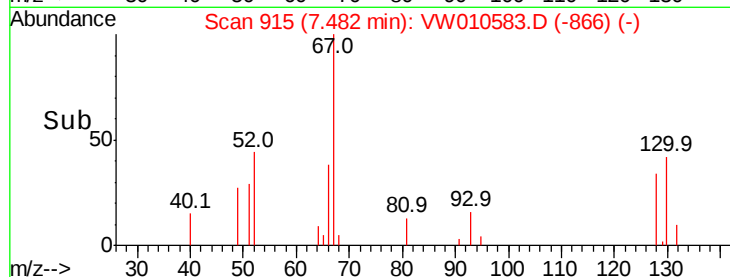
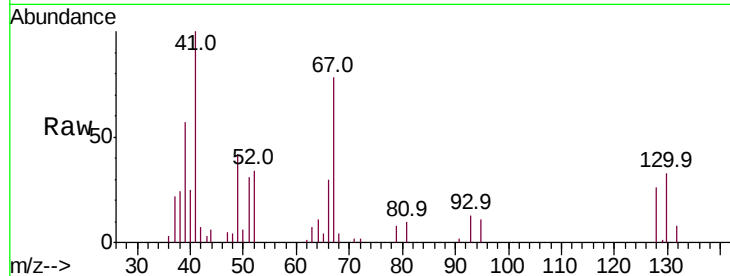
#41
Methacrylonitrile
Concen: 18.049 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	41	Resp	9576
Ion	Ratio	Lower	Upper
41	100		
39	54.8	47.4	71.2
67	82.6	65.5	98.3
52	32.5	25.0	37.4

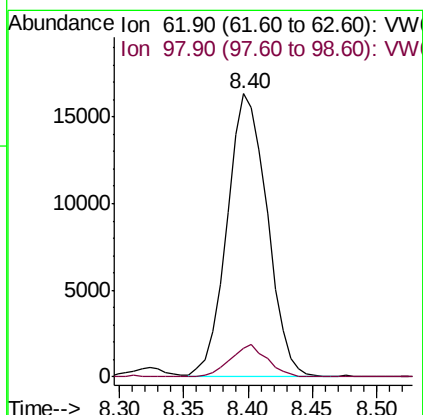
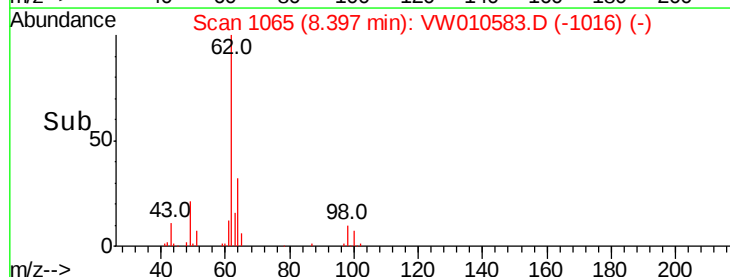
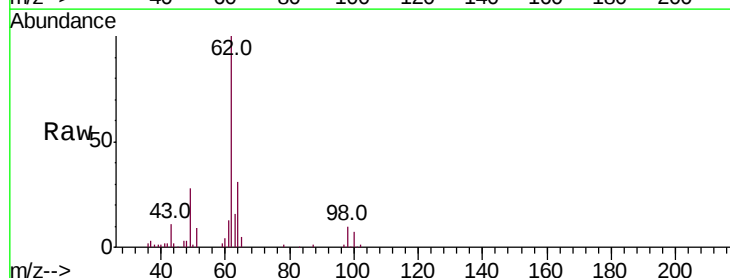
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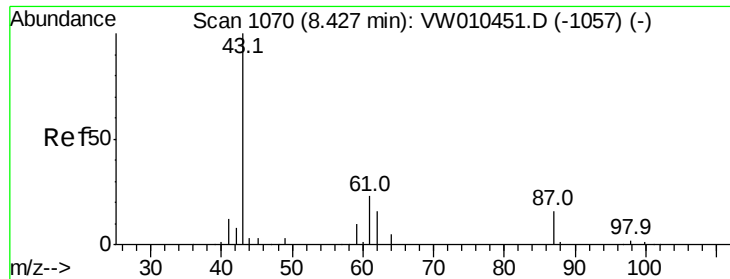
MMDadoda
5/30/2019 10:13:16 AM



#42
1,2-Dichloroethane
Concen: 21.252 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion	62	Resp	35450
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 18.844 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

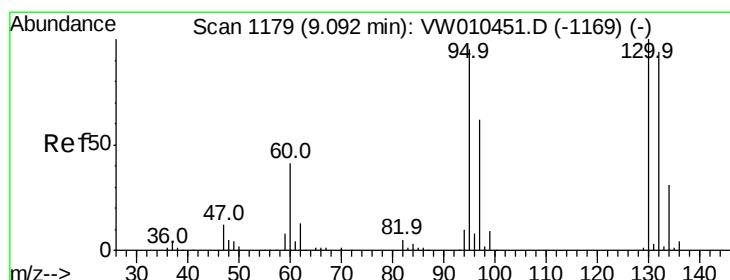
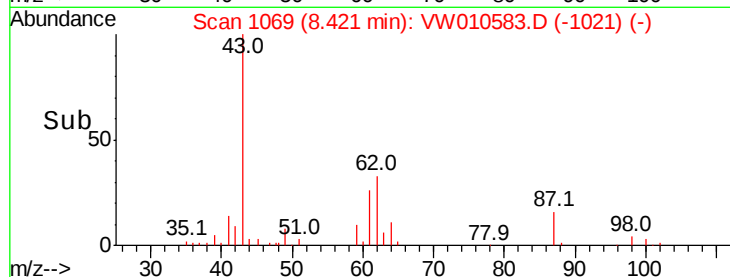
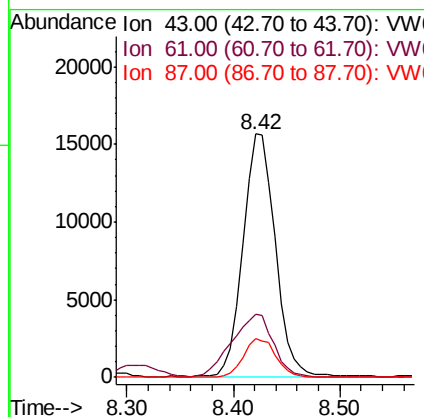
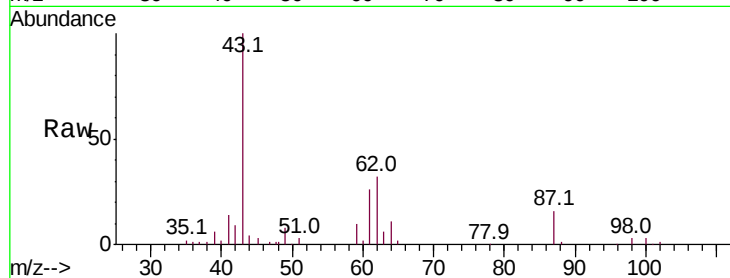
ClientSampleId :

VW0529SBS01

Tot Ion:	43	Resp:	33615
Ion Ratio	Lower	Upper	
43	100		
61	33.2	25.4	38.2
87	15.9	12.7	19.1

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#44

Trichloroethene

Concen: 23.233 ug/l

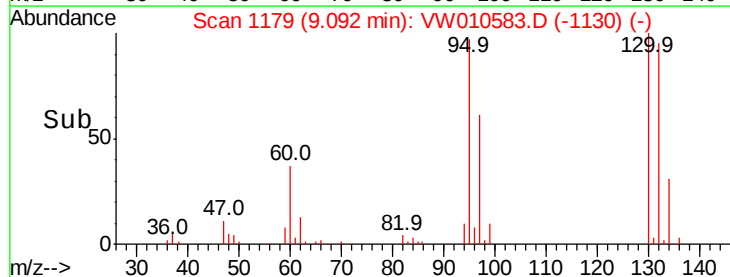
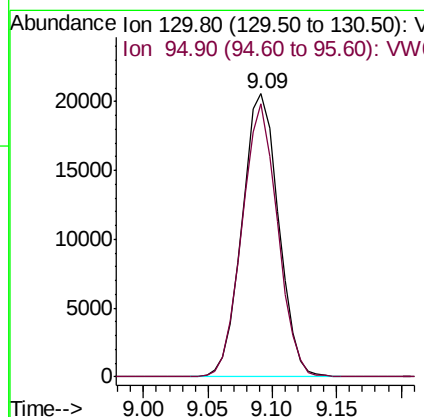
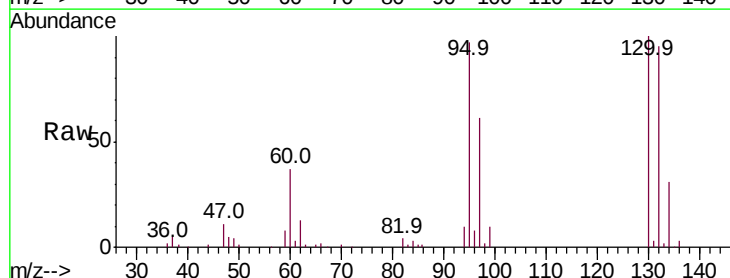
RT: 9.09 min Scan# 1179

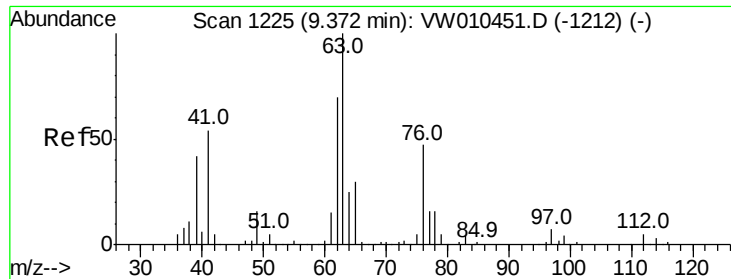
Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Tgt Ion:	130	Resp:	40255
Ion Ratio	Lower	Upper	
130	100		
95	96.6	0.0	189.6





#45

1,2-Dichloropropane

Concen: 22.363 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 63 Resp: 30998

Ion Ratio Lower Upper

63 100

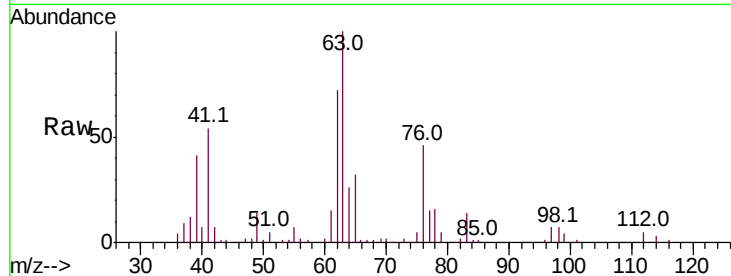
65 31.5 24.3 36.5

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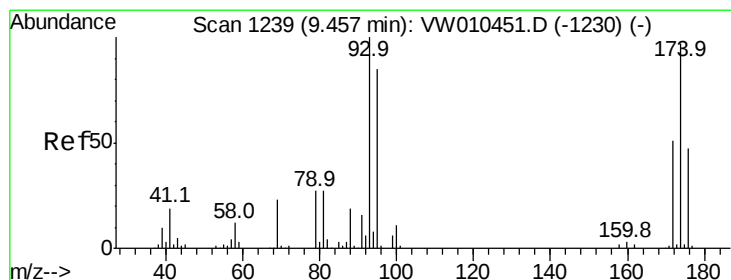
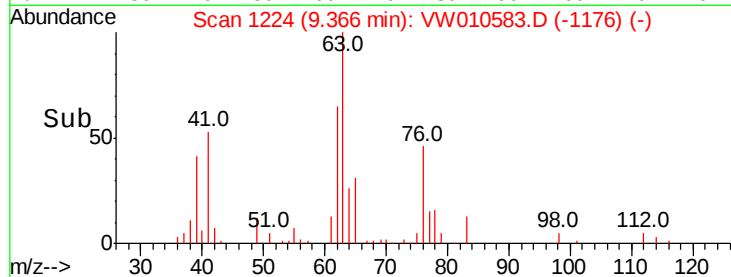
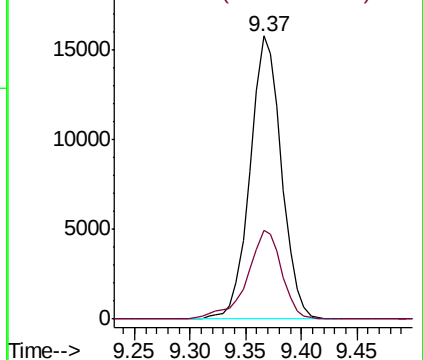
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.097 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

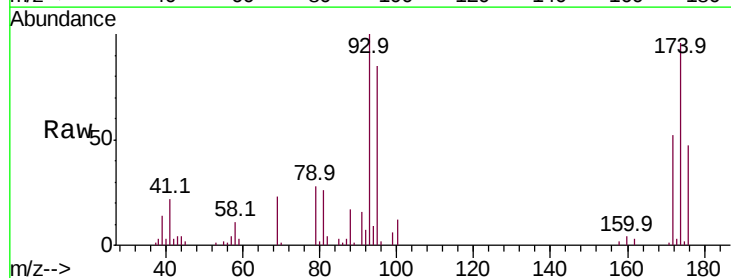
Tgt Ion: 93 Resp: 17102

Ion Ratio Lower Upper

93 100

95 83.1 66.1 99.1

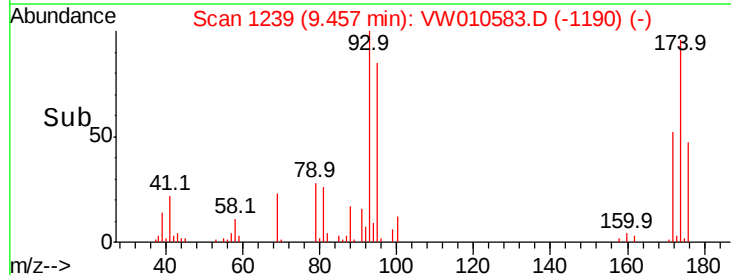
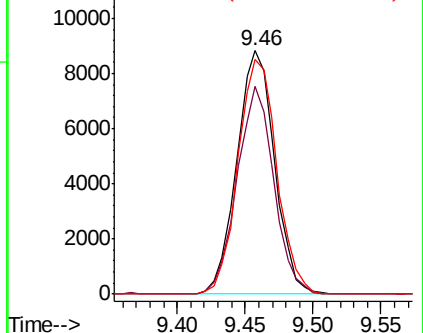
174 99.2 77.1 115.7

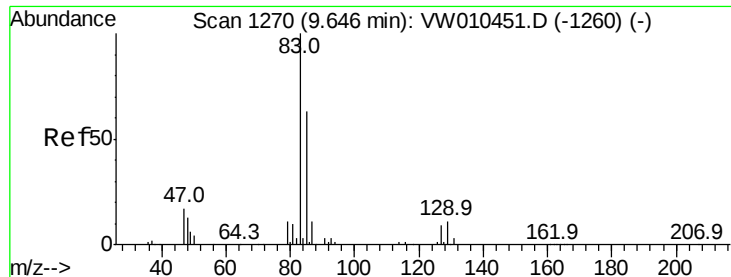


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





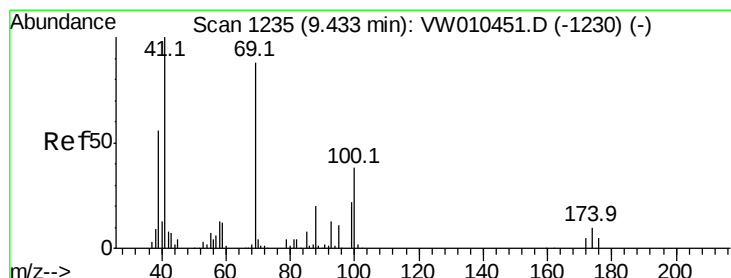
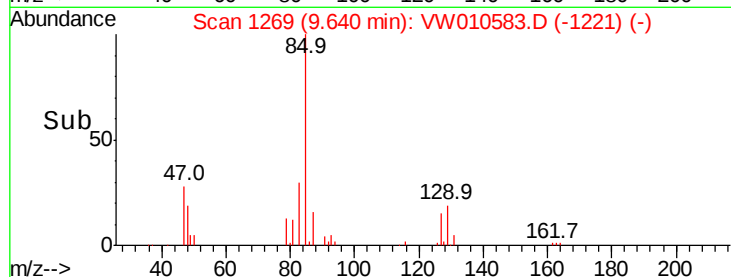
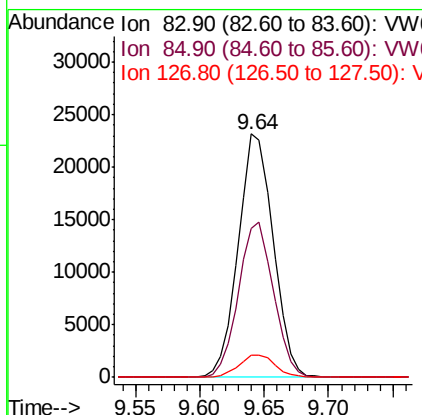
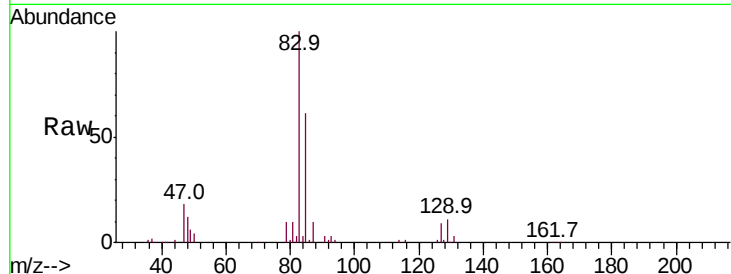
#47
Bromodichloromethane
Concen: 21.397 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	83	Resp	43587
Ion Ratio	100	Lower	Upper
85	61.3	50.4	75.6
127	8.9	7.4	11.0

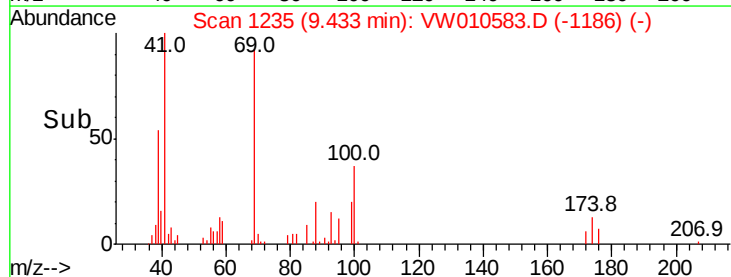
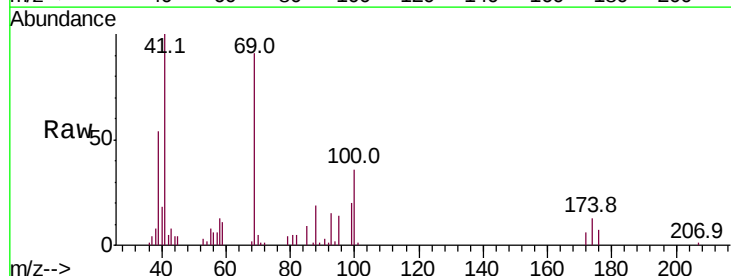
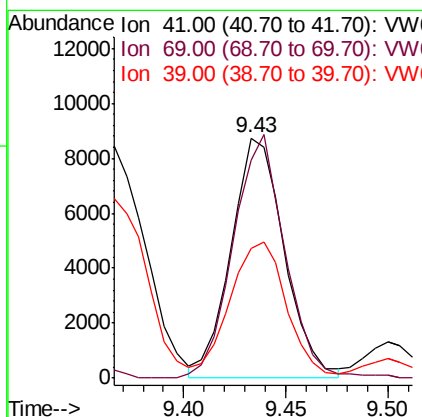
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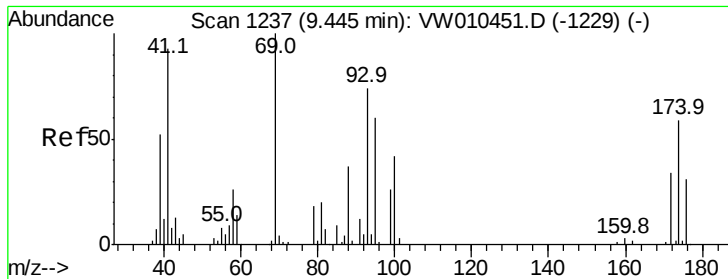
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#48
Methyl methacrylate
Concen: 19.425 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion	41	Resp	15853
Ion Ratio	100	Lower	Upper
69	98.7	77.6	116.4
39	56.4	49.8	74.8





#49

1,4-Dioxane

Concen: 384.681 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

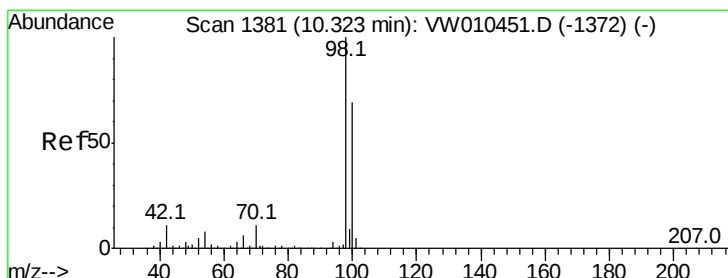
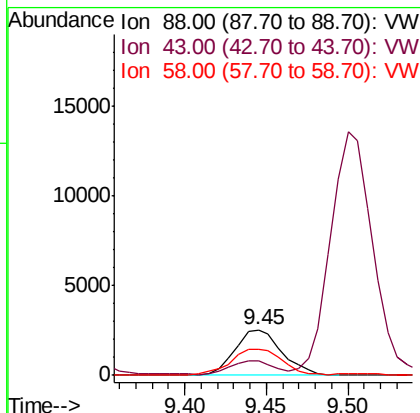
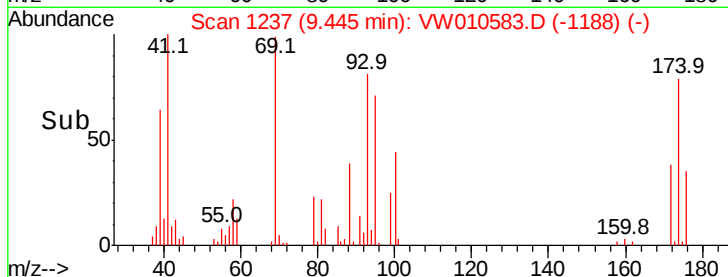
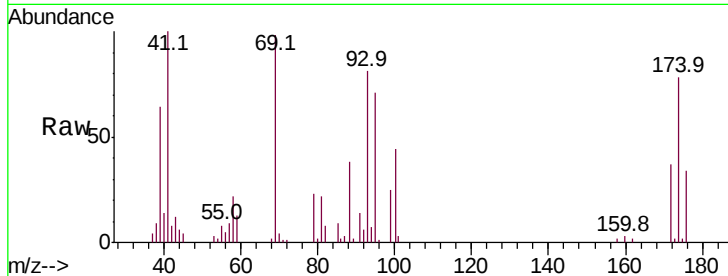
ClientSampleId :

VW0529SBS01

Tot Ion:	88	Resp:	5094
Ion	Ratio	Lower	Upper
88	100		
43	30.3	25.9	38.9
58	64.3	52.7	79.1

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#50

Toluene-d8

Concen: 51.875 ug/l

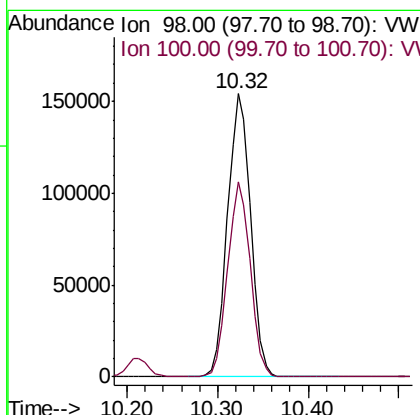
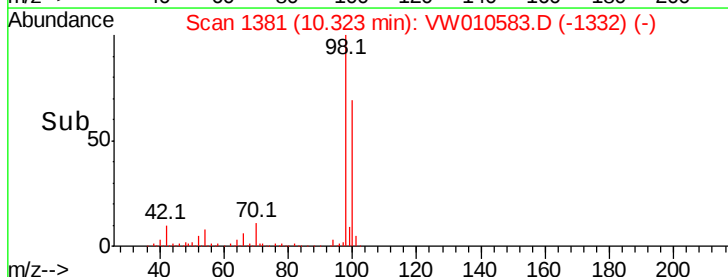
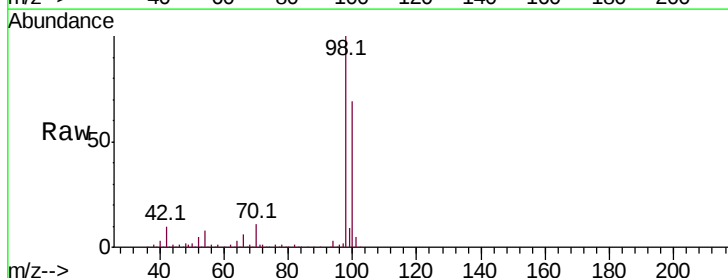
RT: 10.32 min Scan# 1381

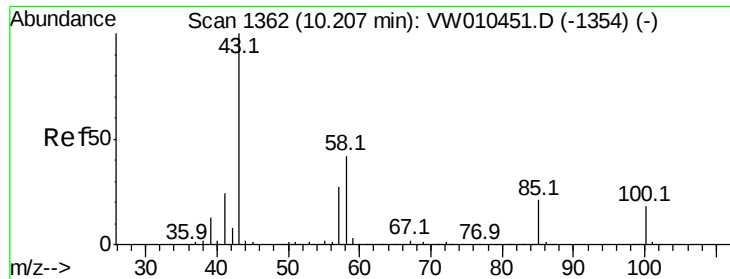
Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Tgt Ion:	98	Resp:	271055
Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 93.397 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VW0529SBS01

Tot Ion: 43 Resp: 84426

Ion Ratio Lower Upper

43 100

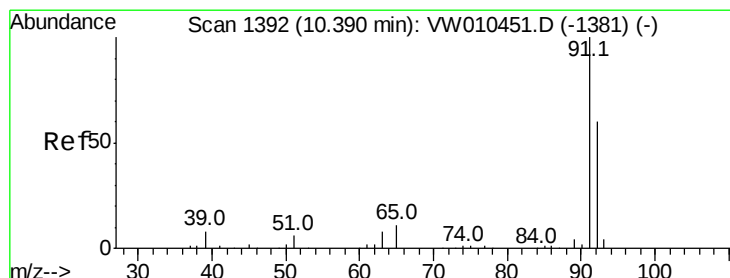
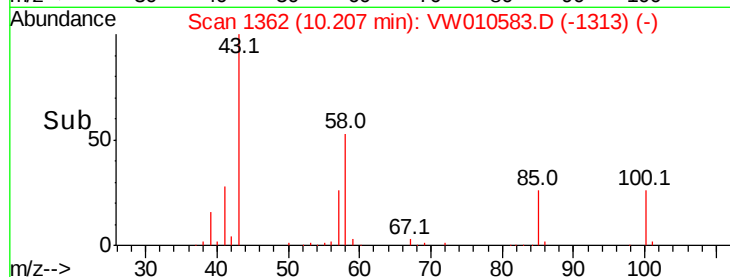
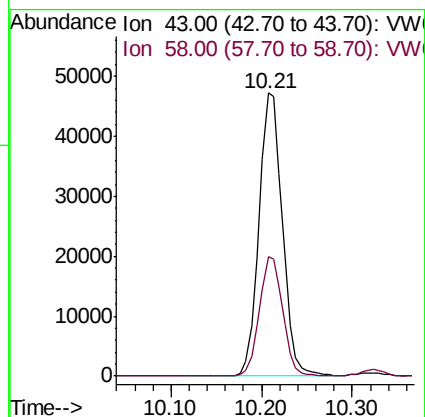
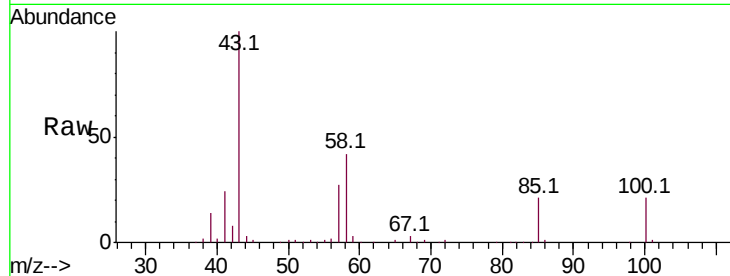
58 42.2 33.2 49.8

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#52

Toluene

Concen: 22.729 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010583.D

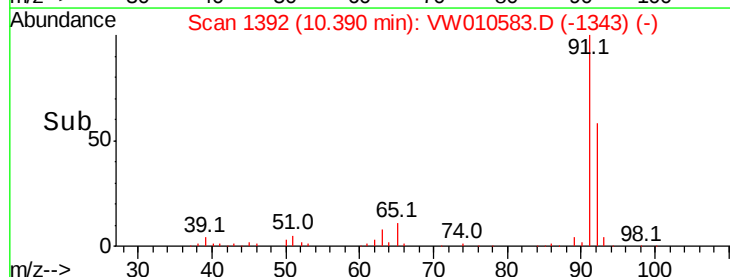
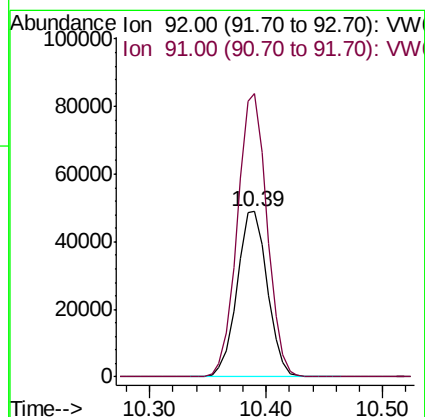
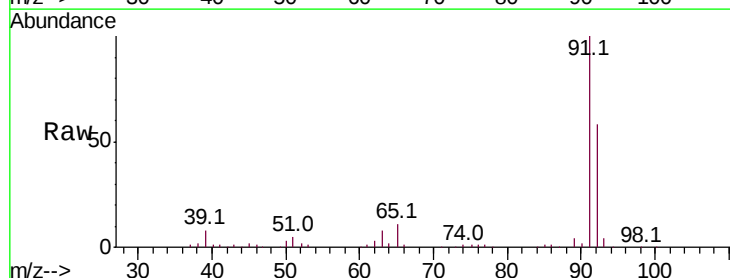
Acq: 29 May 2019 11:39

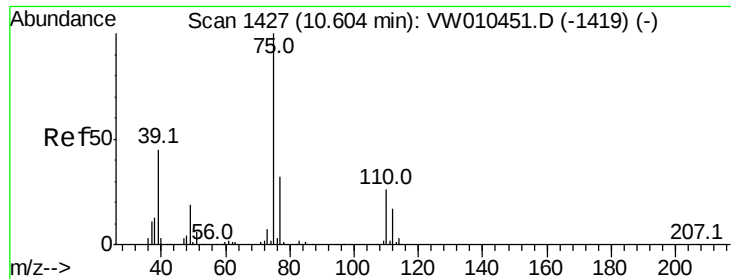
Tgt Ion: 92 Resp: 89086

Ion Ratio Lower Upper

92 100

91 167.8 135.4 203.0





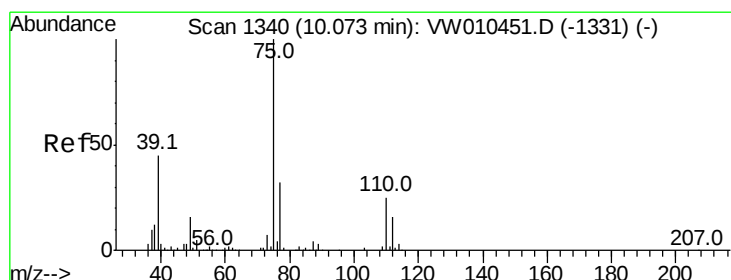
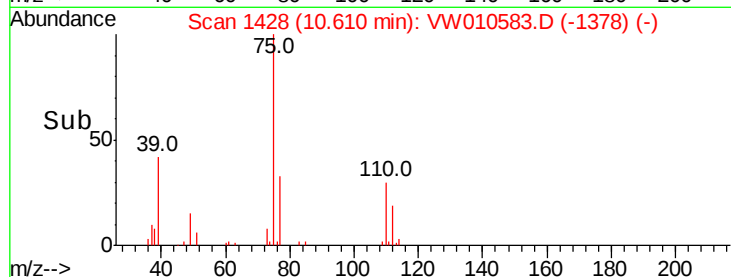
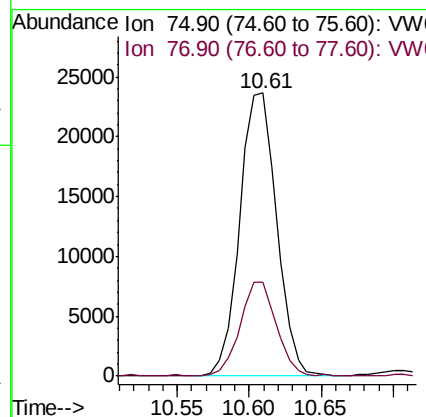
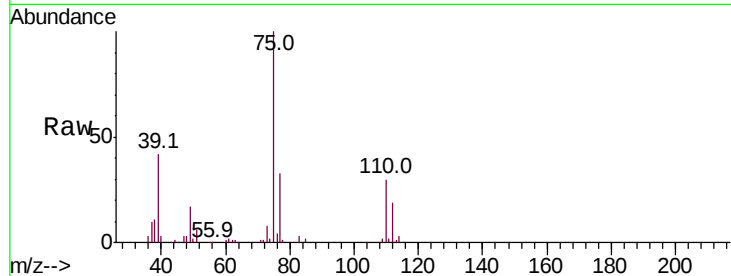
#53
 t-1,3-Dichloropropene
 Concen: 20.446 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Instrument :
 MSVOA_W
 ClientSampled :
 VW0529SBS01

Tot Ion: 75 Resp: 42183
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.0

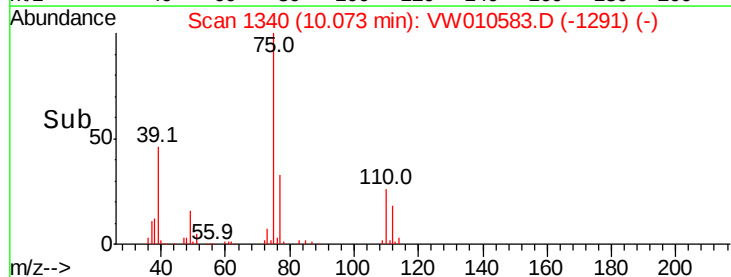
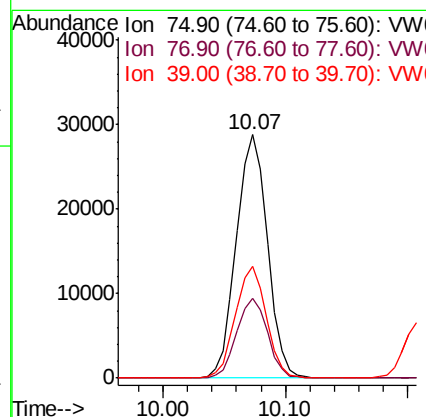
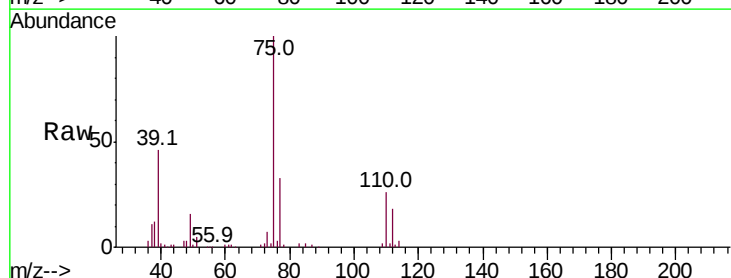
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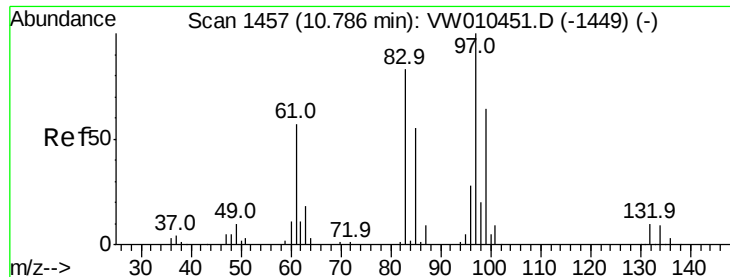
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 21.542 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Tgt Ion: 75 Resp: 50758
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.7 38.5
 39 45.8 36.2 54.4





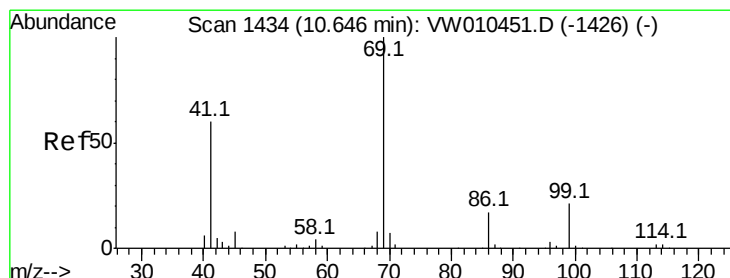
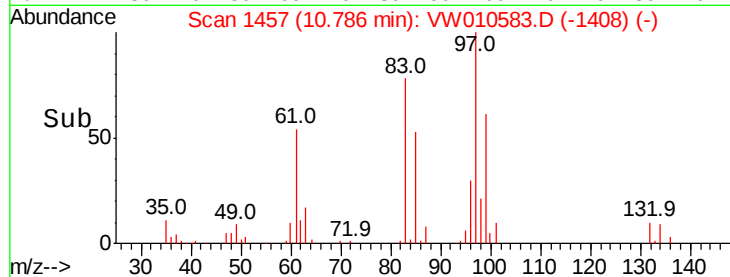
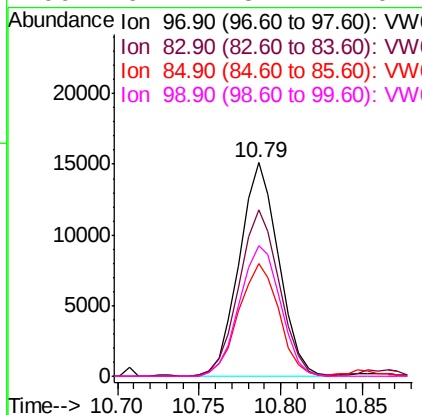
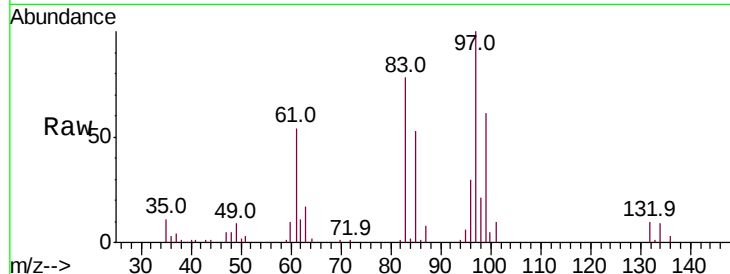
#55
 1,1,2-Trichloroethane
 Concen: 21.829 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	77.9	66.1	99.1
85	52.9	44.2	66.4
99	61.2	51.1	76.7

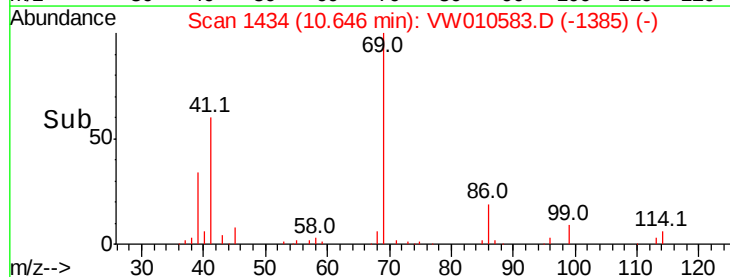
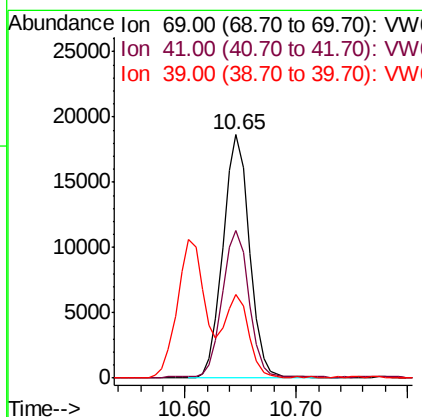
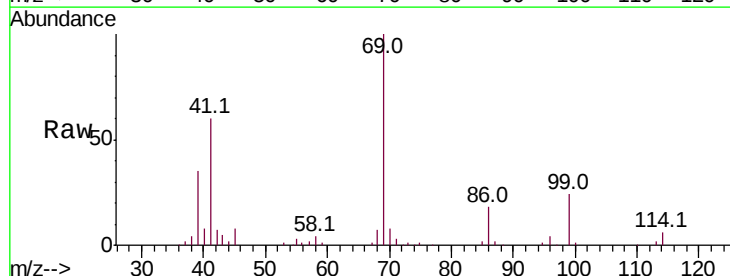
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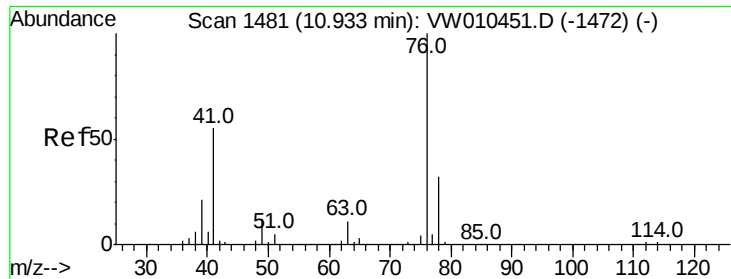
MMDadoda
 5/30/2019 10:13:16 AM



#56
 Ethyl methacrylate
 Concen: 19.174 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.7	47.7	71.5
39	30.5	25.3	37.9





#57

1,3-Dichloropropane

Concen: 21.650 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 76 Resp: 42274

Ion Ratio Lower Upper

76 100

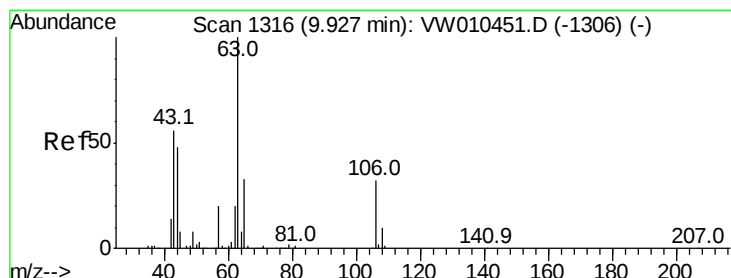
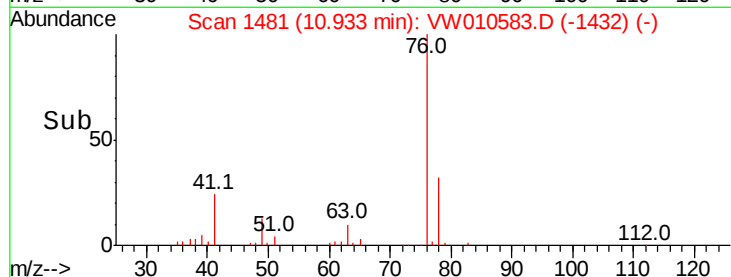
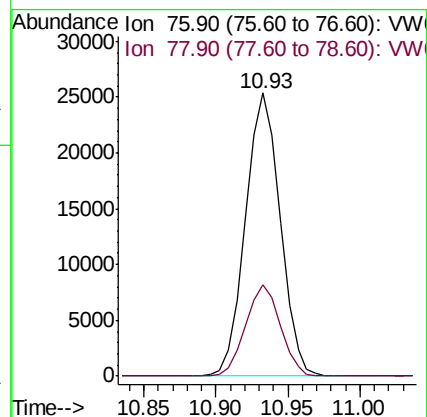
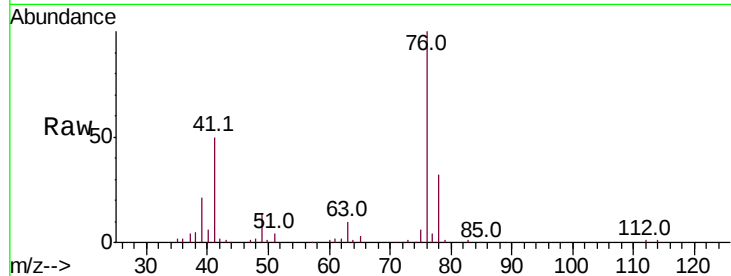
78 32.5 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 92.316 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW010583.D

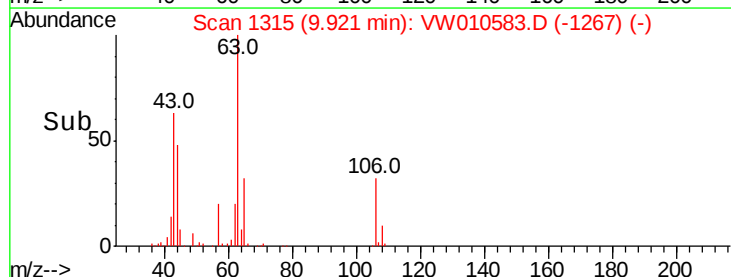
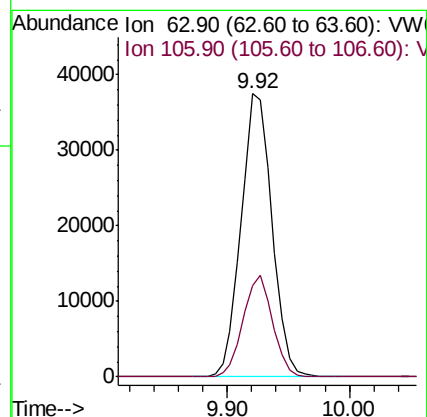
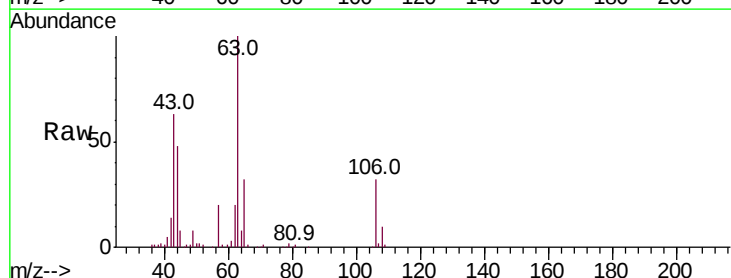
Acq: 29 May 2019 11:39

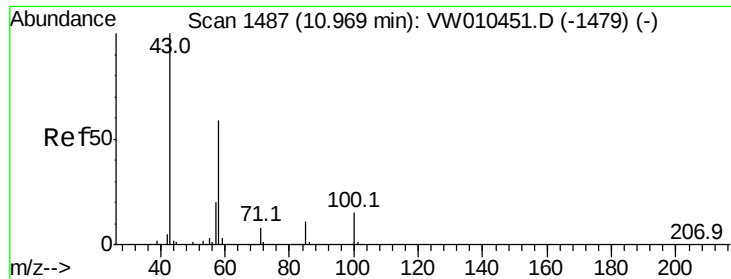
Tgt Ion: 63 Resp: 65737

Ion Ratio Lower Upper

63 100

106 34.3 25.8 38.6





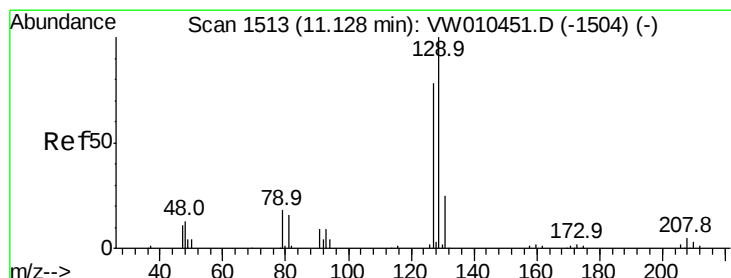
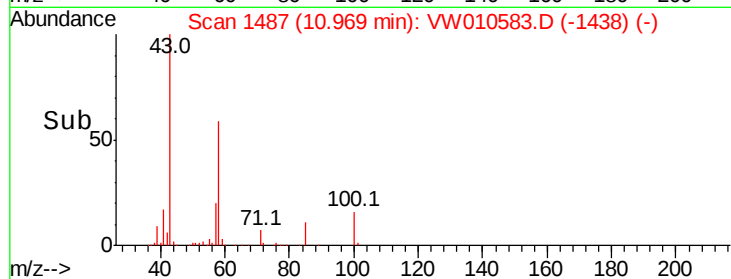
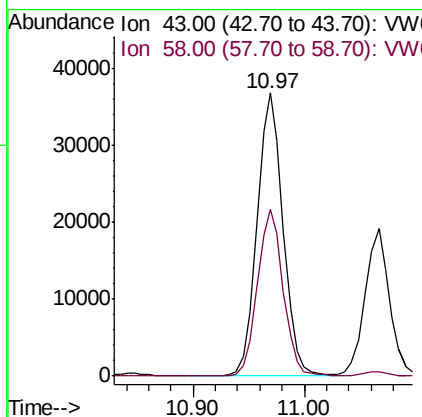
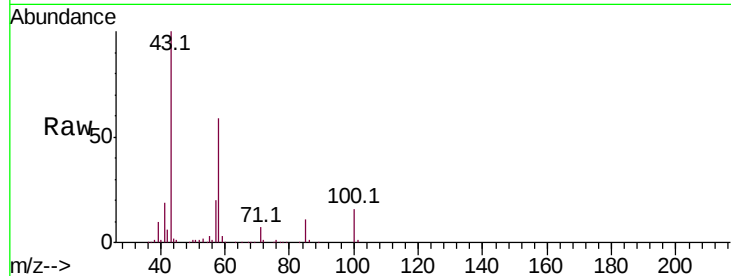
#59
2-Hexanone
Concen: 93.056 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion: 43 Resp: 60005
Ion Ratio Lower Upper
43 100
58 58.3 28.9 86.8

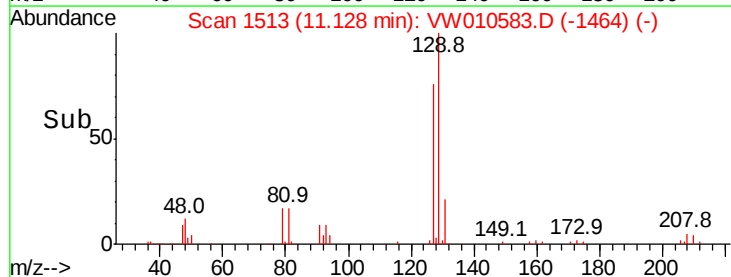
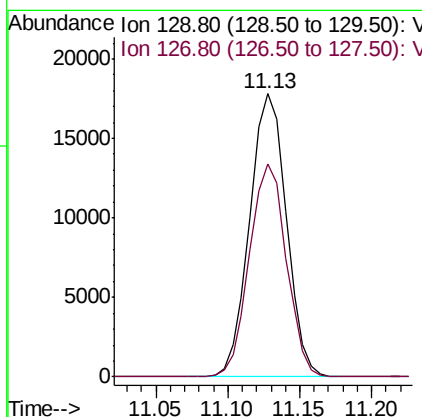
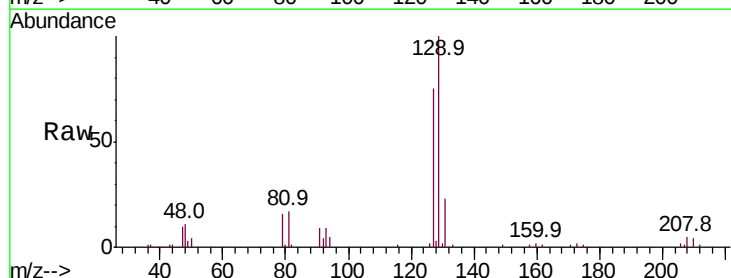
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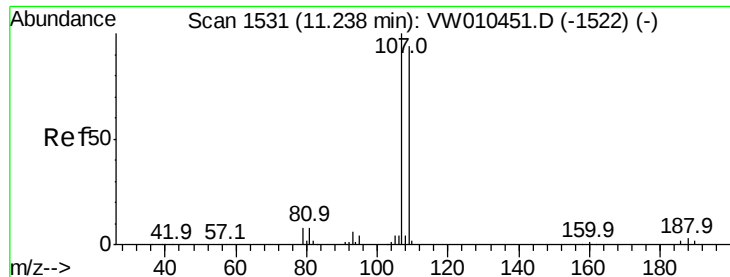
MMDadoda
5/30/2019 10:13:16 AM



#60
Dibromochloromethane
Concen: 21.284 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion: 129 Resp: 31400
Ion Ratio Lower Upper
129 100
127 75.7 38.9 116.7





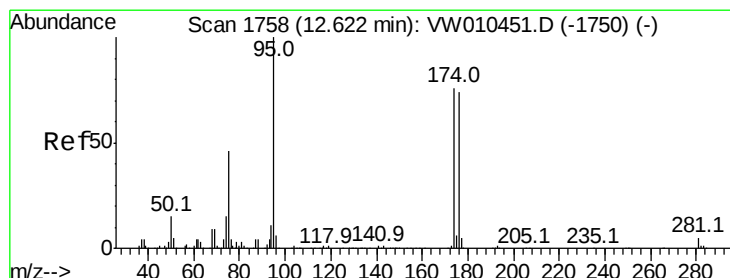
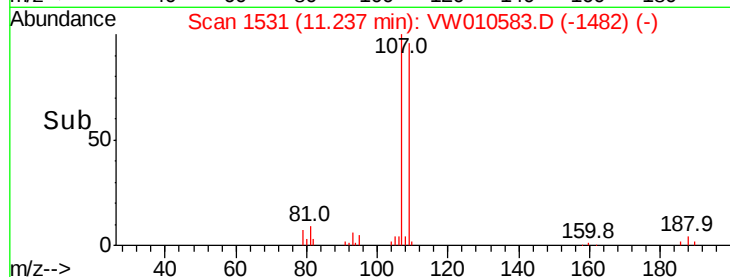
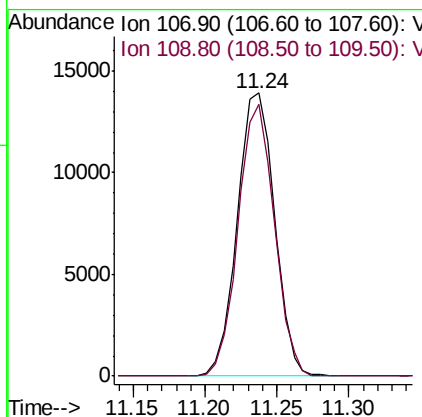
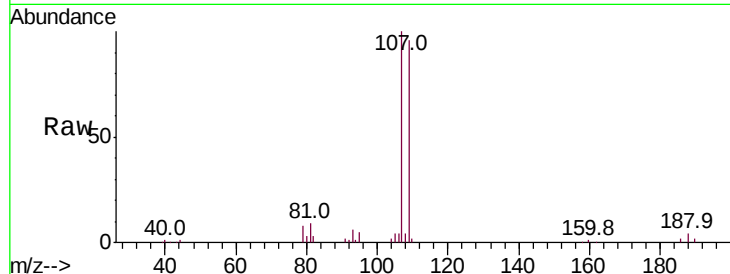
#61
 1,2-Dibromoethane
 Concen: 21.224 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBS01

Tot Ion:107 Resp: 25062
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.0 112.4

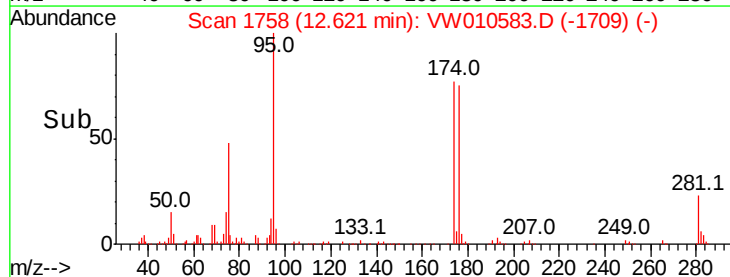
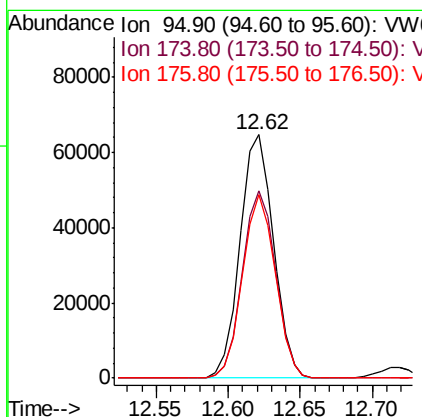
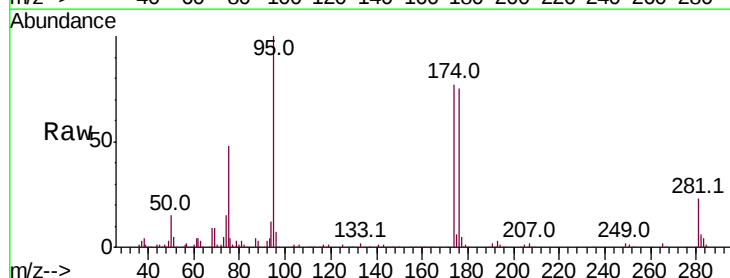
Manual Integrations
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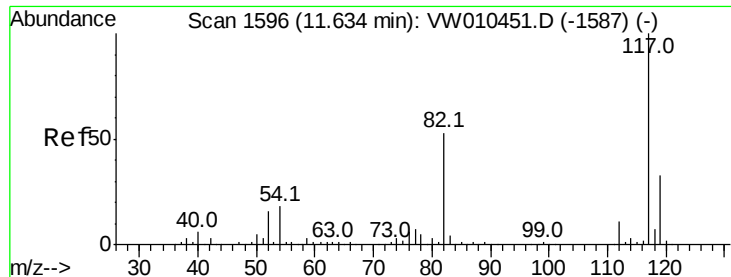
MMDadoda
 5/30/2019 10:13:16 AM



#62
 4-Bromofluorobenzene
 Concen: 50.098 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Tgt Ion: 95 Resp: 104267
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 148.6
 176 73.9 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: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

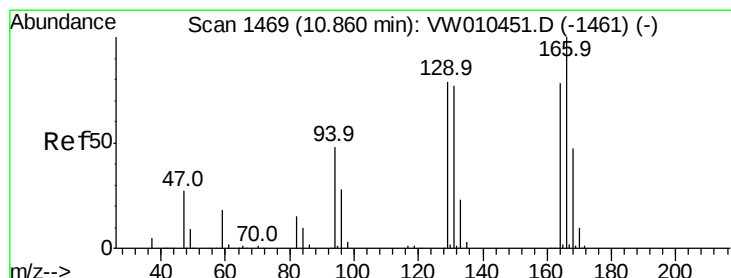
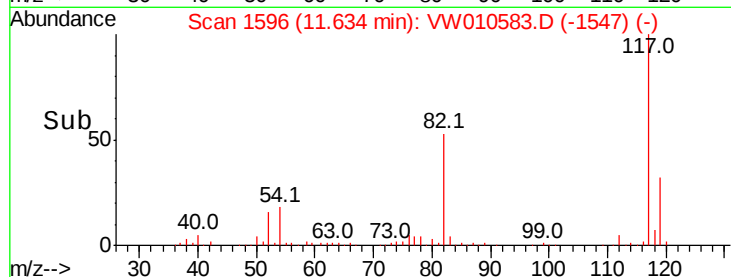
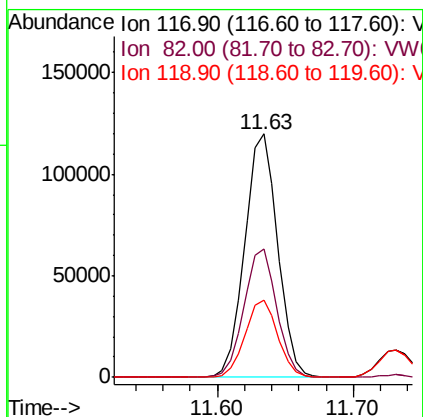
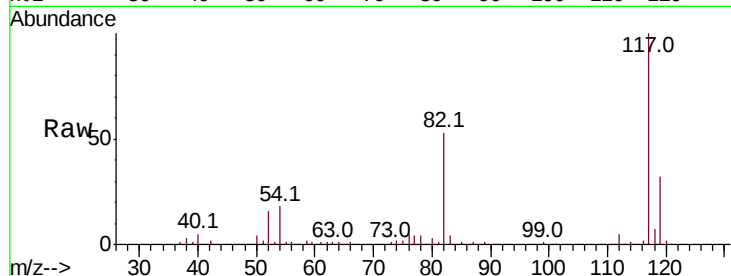
ClientSampleId :

VW0529SBS01

Tot Ion:	117	Resp:	202691
Ion Ratio	Lower	Upper	
117	100		
82	52.8	42.8	64.2
119	31.9	26.3	39.5

Manual Integrations
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#64

Tetrachloroethene

Concen: 22.920 ug/l

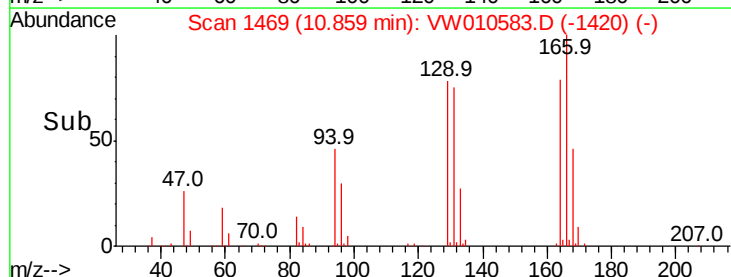
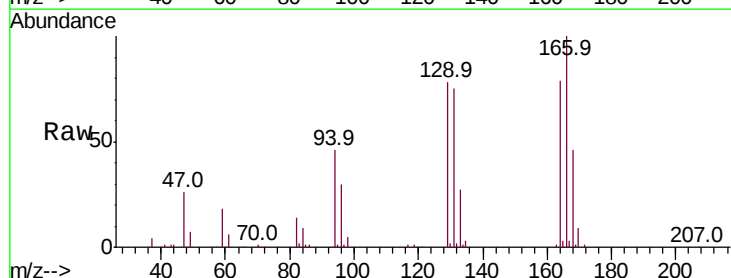
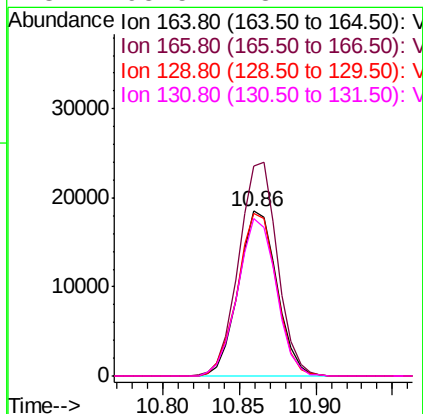
RT: 10.86 min Scan# 1469

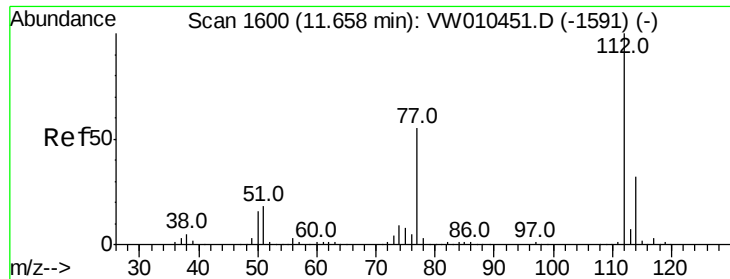
Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Tgt Ion:	164	Resp:	32385
Ion Ratio	Lower	Upper	
164	100		
166	126.9	101.9	152.9
129	98.5	80.6	121.0
131	95.5	78.2	117.2





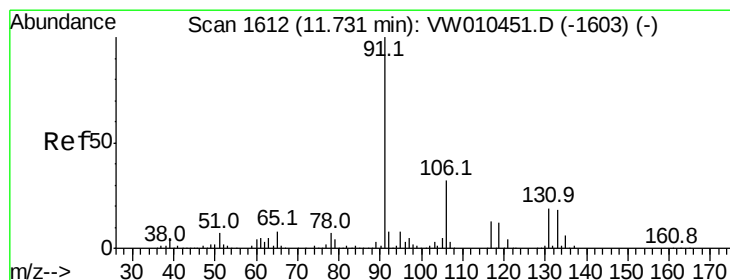
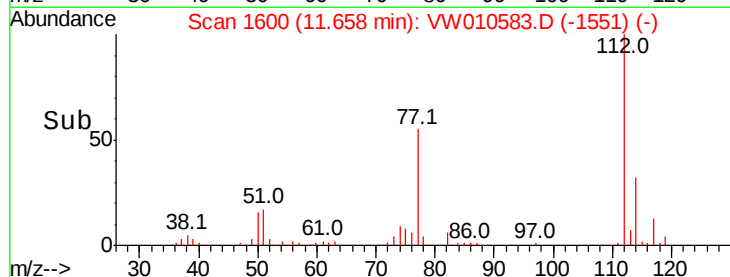
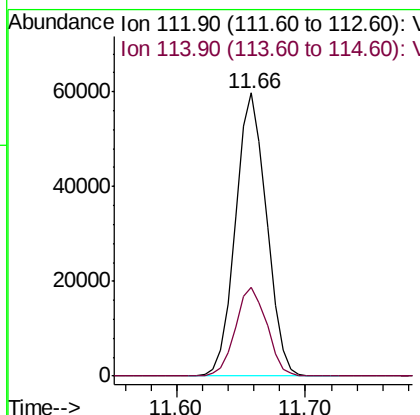
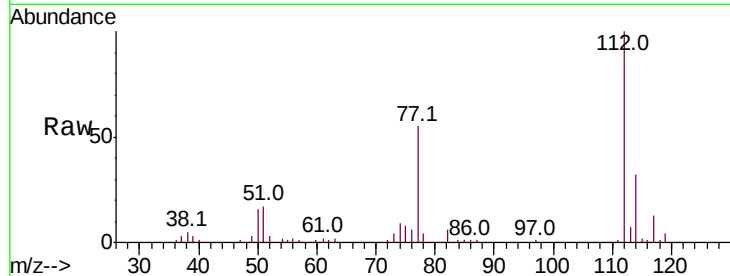
#65
Chlorobenzene
Concen: 23.013 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion:112 Resp: 99411
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

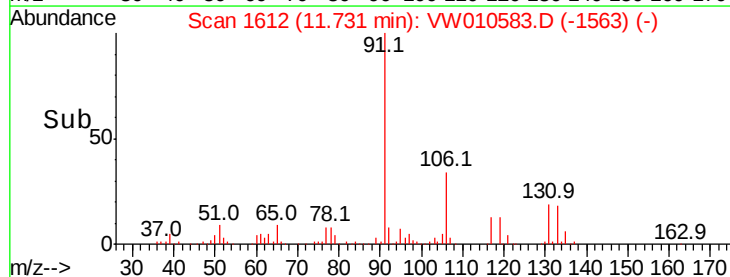
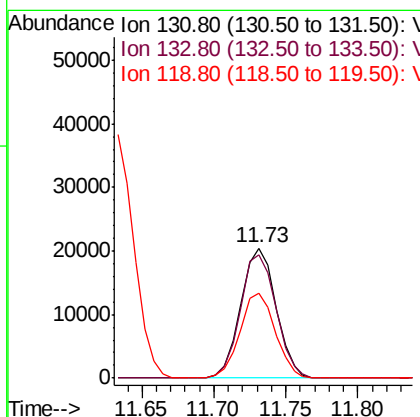
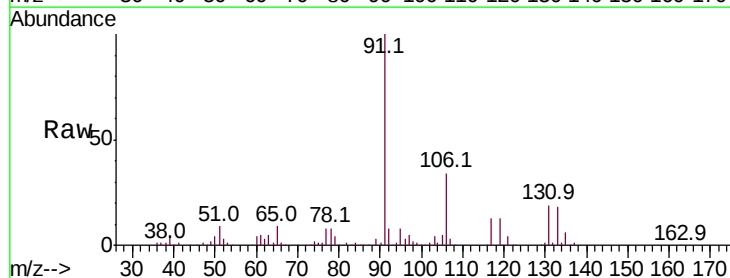
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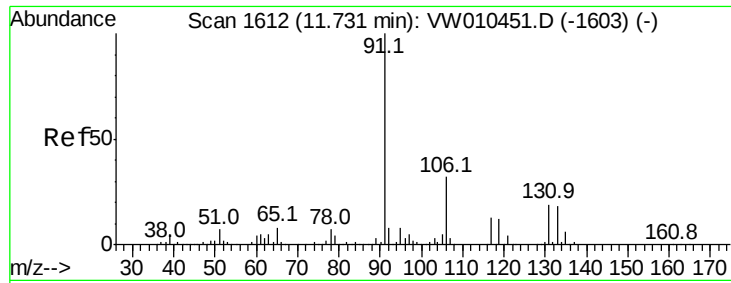
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.463 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion:131 Resp: 34760
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.9
119 65.3 32.1 96.5





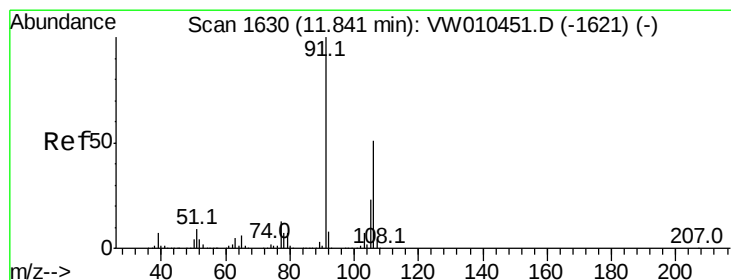
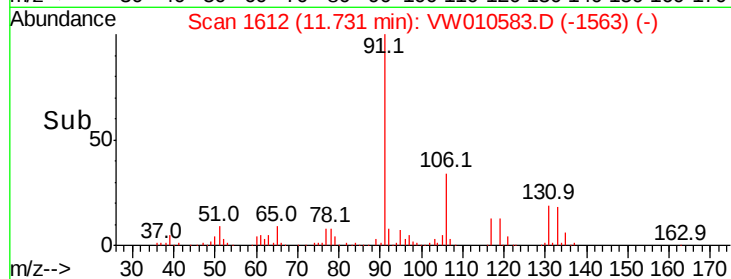
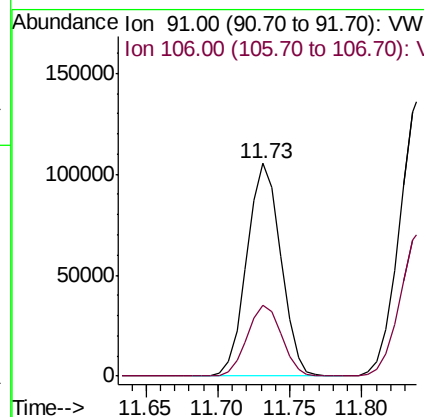
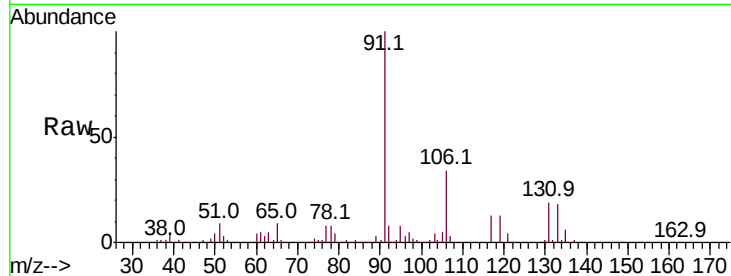
#67
Ethyl Benzene
Concen: 22.592 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.6	25.9	38.9

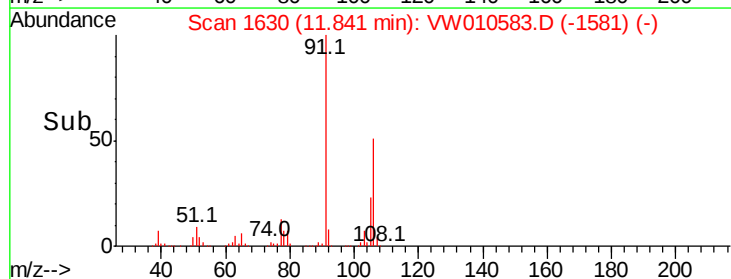
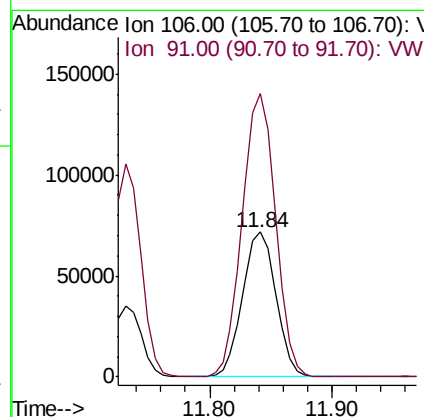
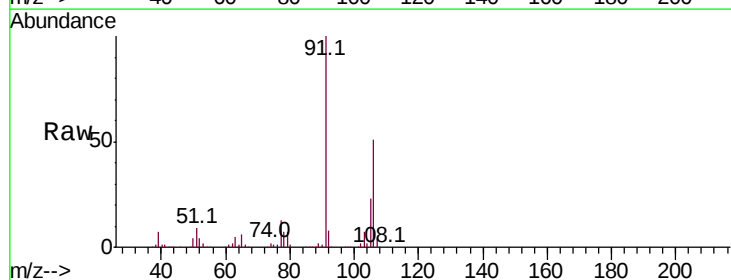
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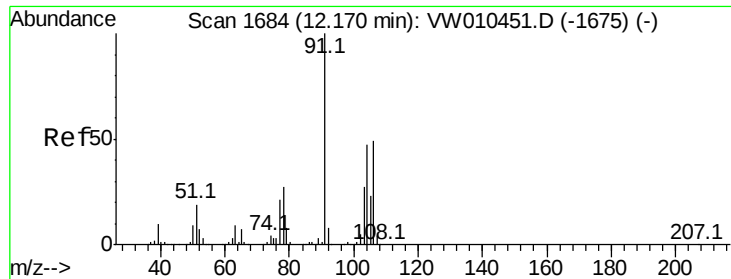
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5/30/2019 10:13:16 AM



#68
m/p-Xylenes
Concen: 45.733 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.9	156.0	234.0





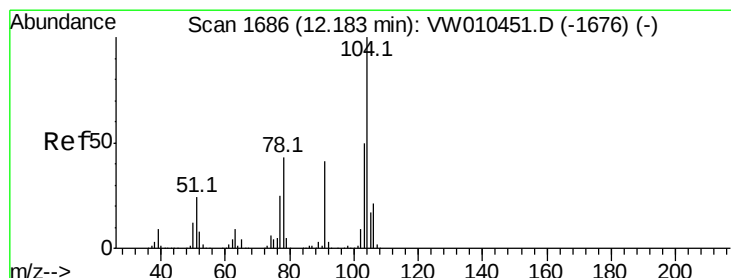
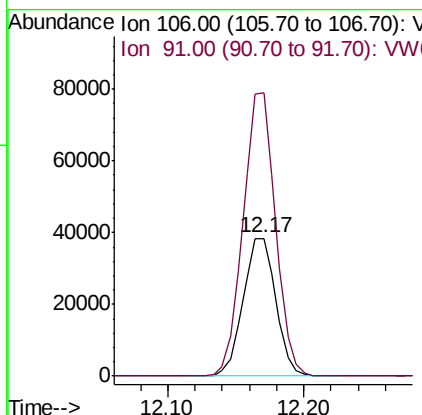
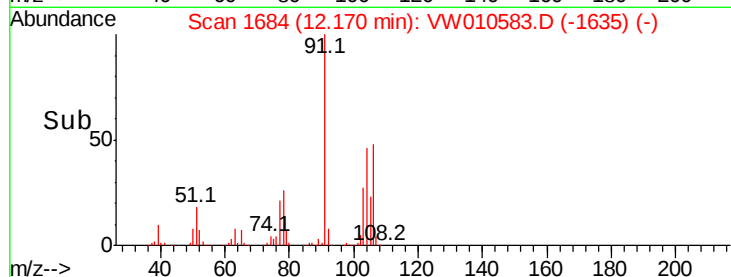
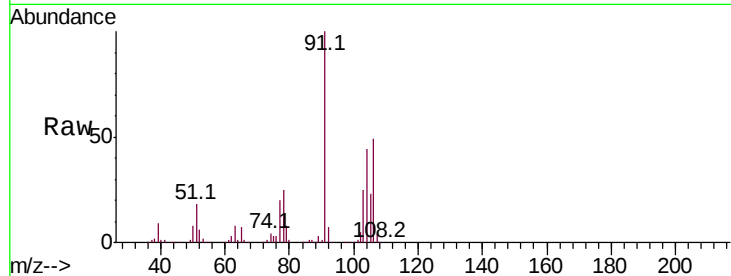
#69
o-Xylene
Concen: 22.821 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion:106 Resp: 64681
Ion Ratio Lower Upper
106 100
91 203.4 103.2 309.4

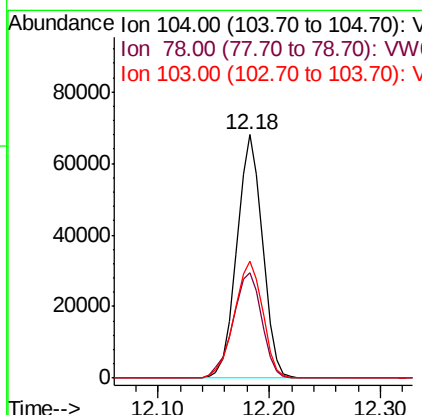
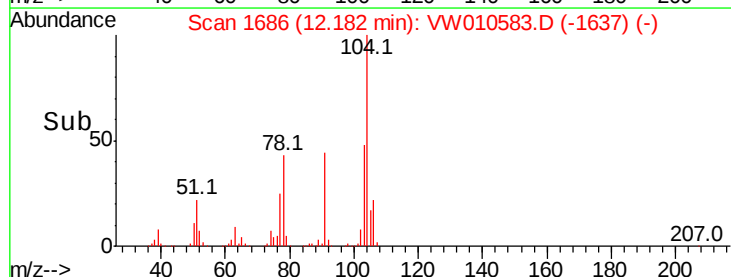
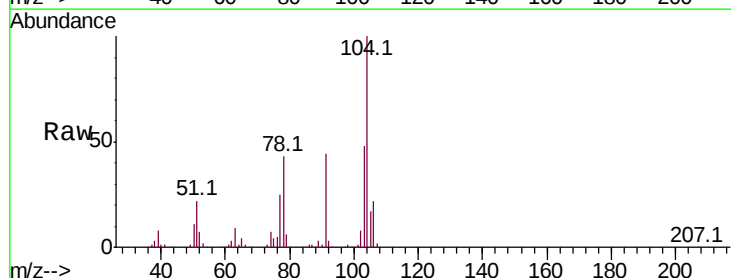
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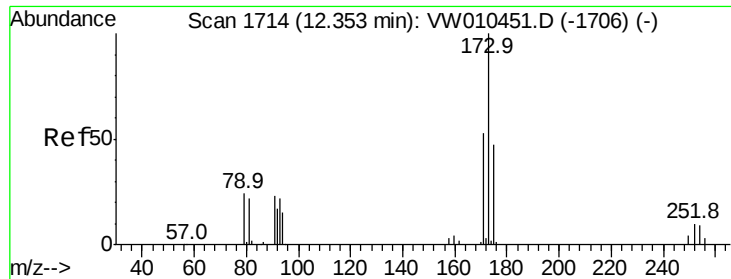
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#70
Styrene
Concen: 22.530 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion:104 Resp: 108348
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.4
103 53.3 43.0 64.6





#71

Bromoform

Concen: 19.743 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

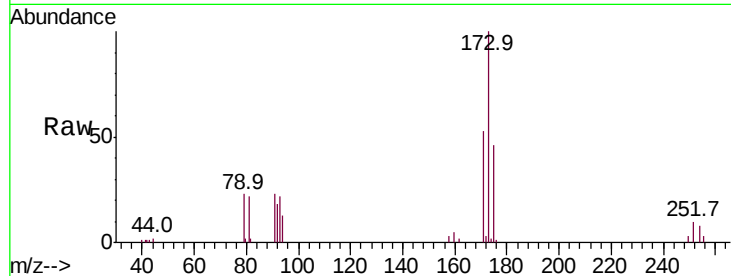
ClientSampled :

VW0529SBS01

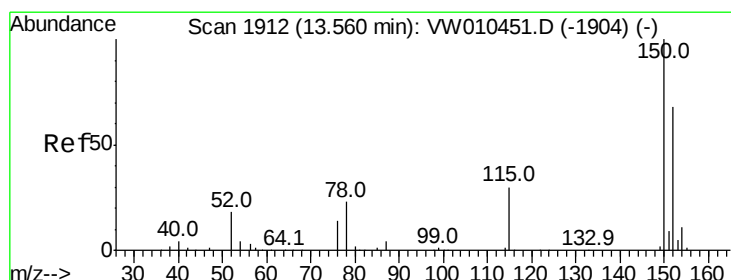
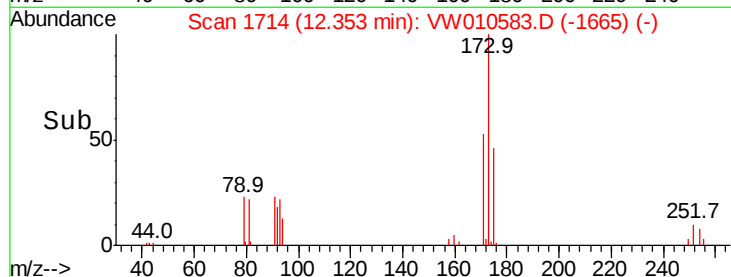
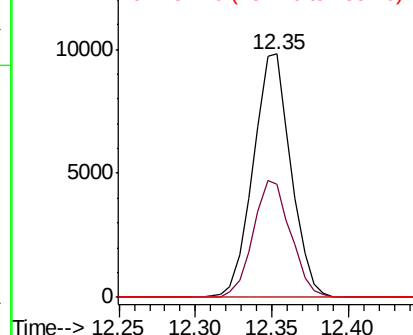
Tot Ion:	173	Resp:	16824
Ion Ratio	Lower	Upper	
173	100		
175	47.3	24.4	73.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

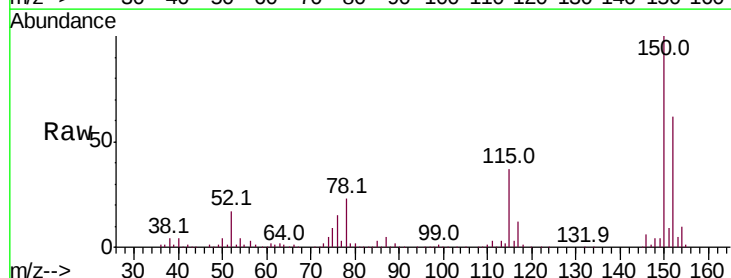
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

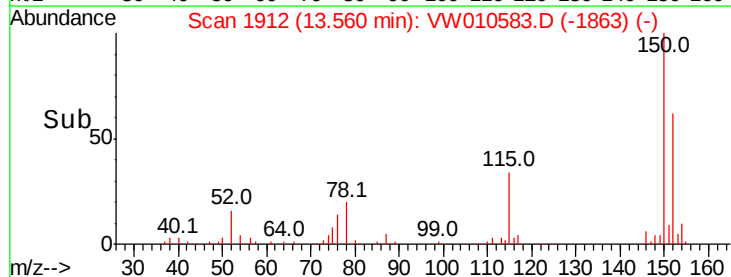
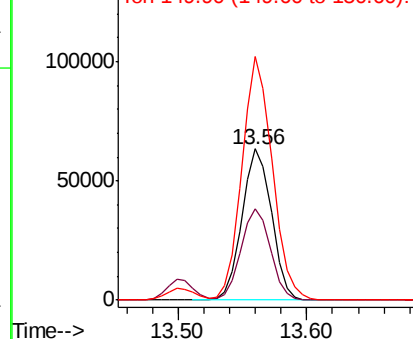
Lab File: VW010583.D

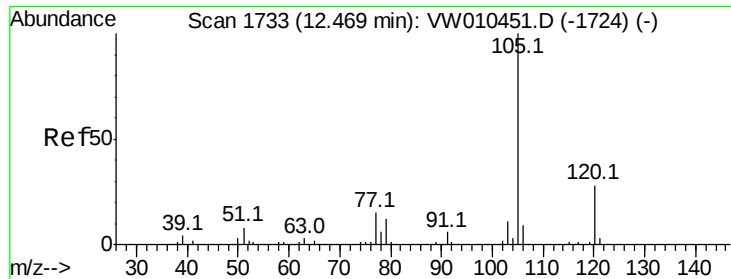
Acq: 29 May 2019 11:39

Tgt Ion:	152	Resp:	100024
Ion Ratio	Lower	Upper	
152	100		
115	60.7	30.3	91.0
150	165.8	0.0	349.8



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





#73

Isopropylbenzene

Concen: 22.361 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion:105 Resp: 177485

Ion Ratio Lower Upper

105 100

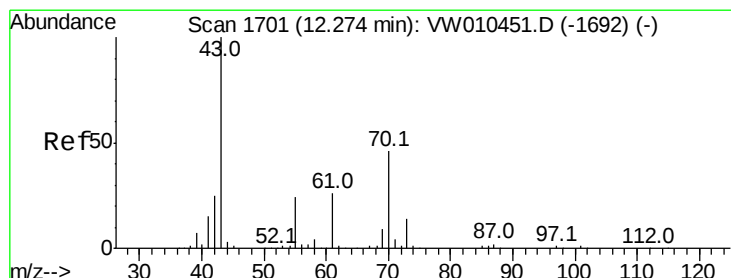
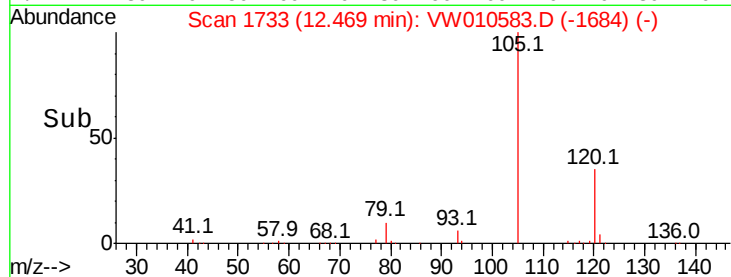
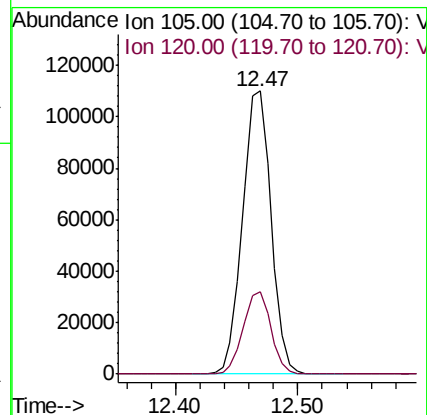
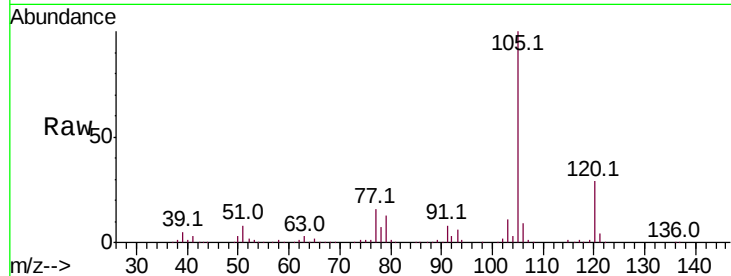
120 28.2 13.9 41.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.459 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Tgt Ion: 43 Resp: 31755

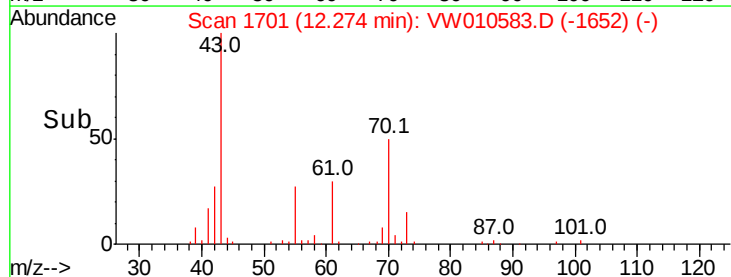
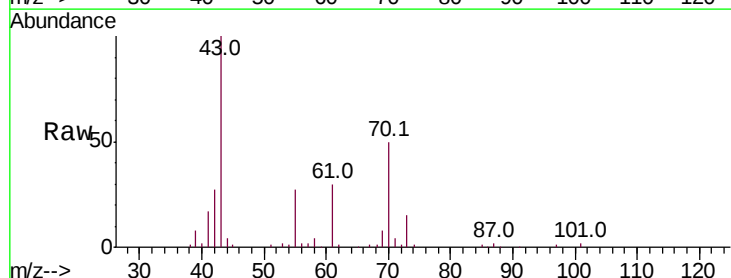
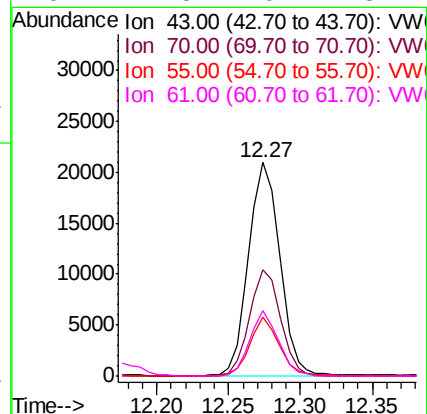
Ion Ratio Lower Upper

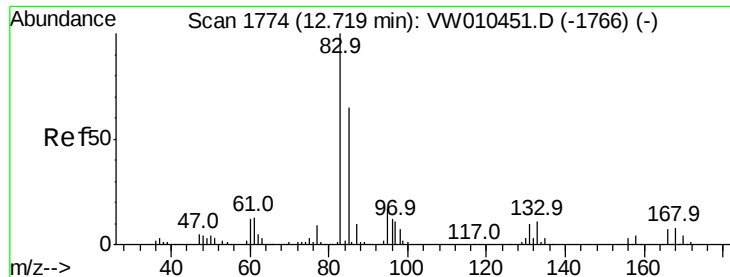
43 100

70 48.7 37.1 55.7

55 25.9 19.6 29.4

61 27.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.082 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

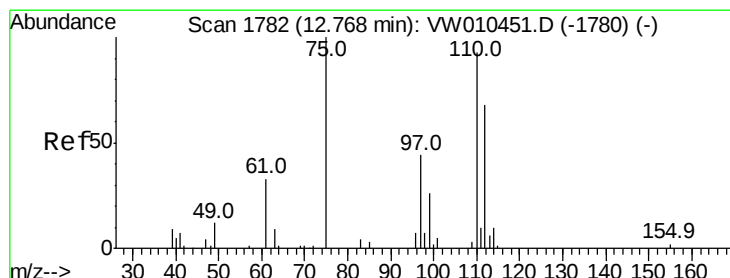
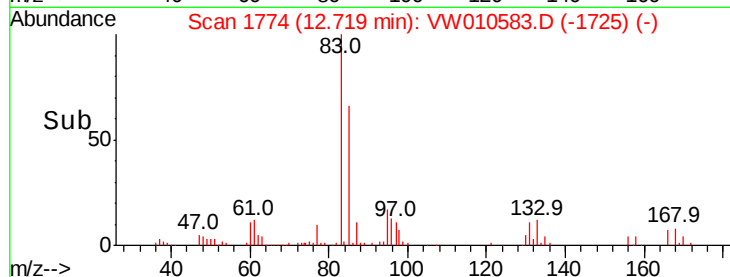
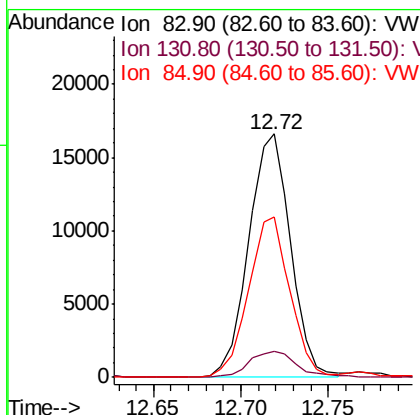
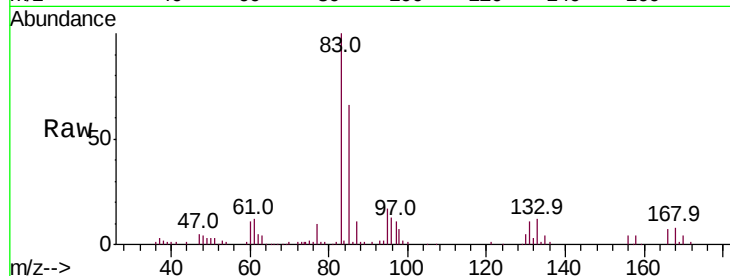
ClientSampleId :

VW0529SBS01

Tot Ion:	83	Resp:	27549
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.6	16.8
85	65.3	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.342 ug/l m

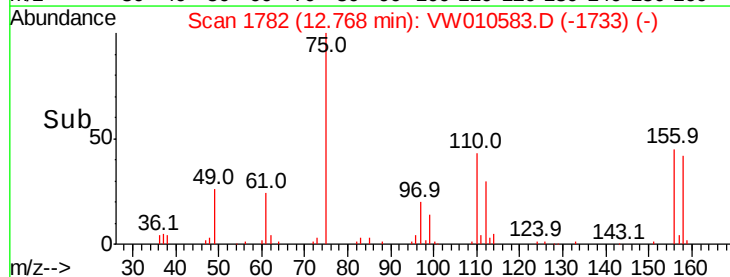
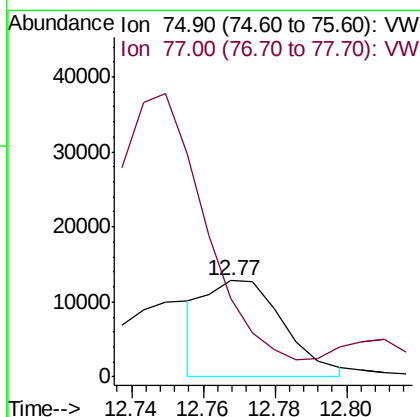
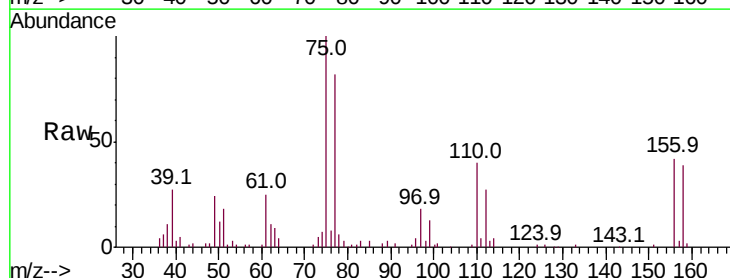
RT: 12.77 min Scan# 1782

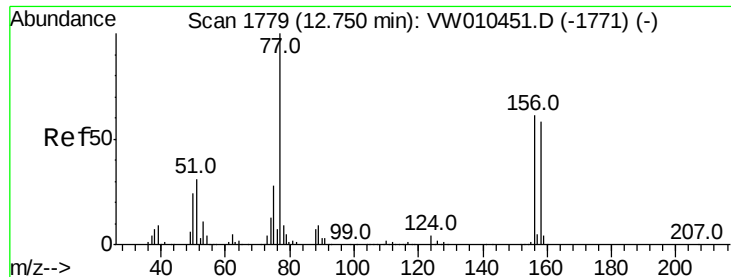
Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Tgt Ion:	75	Resp:	19638
Ion Ratio	Lower	Upper	
75	100		
77	362.6	170.0	510.1





#77

Bromobenzene

Concen: 22.971 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

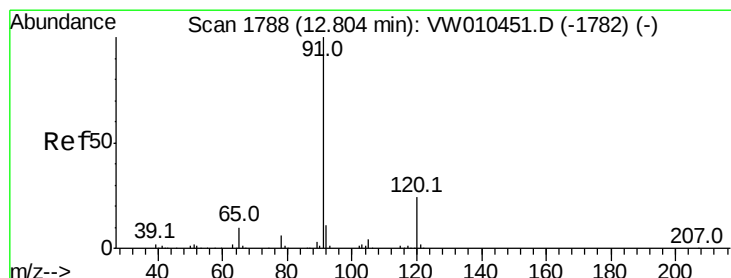
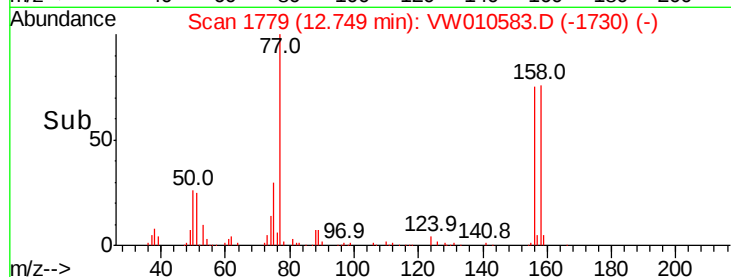
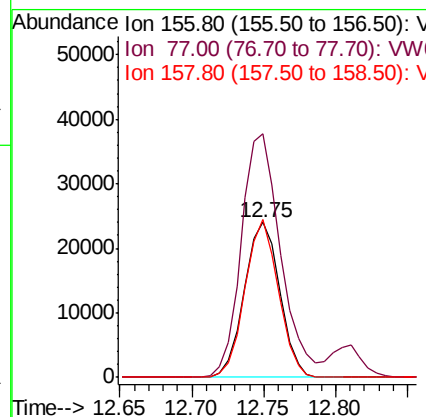
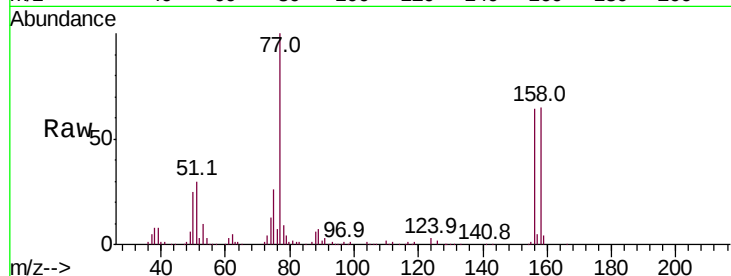
ClientSampleId :

VW0529SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.5	92.4	277.2
158	96.0	48.3	144.8

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#78

n-propylbenzene

Concen: 22.154 ug/l

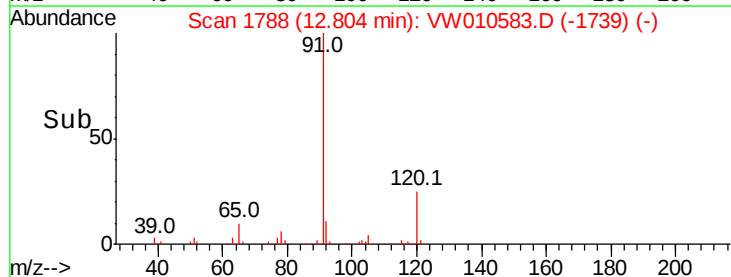
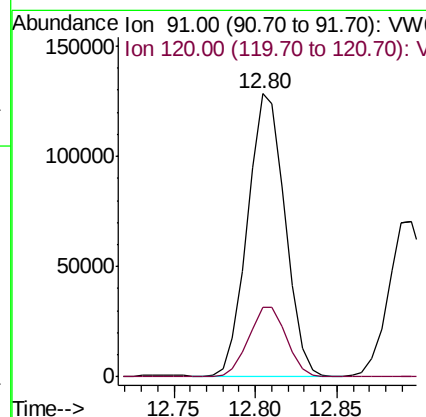
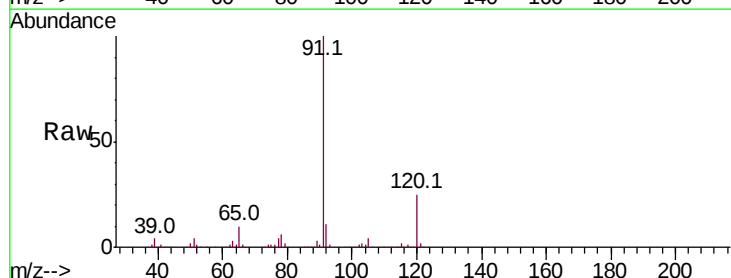
RT: 12.80 min Scan# 1788

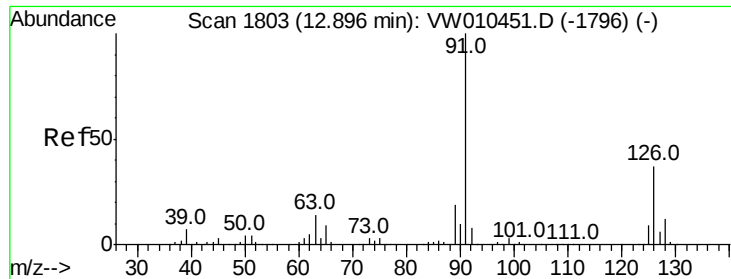
Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8





#79

2-Chlorotoluene

Concen: 22.062 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBS01

Tot Ion: 91 Resp: 118343

Ion Ratio Lower Upper

91 100

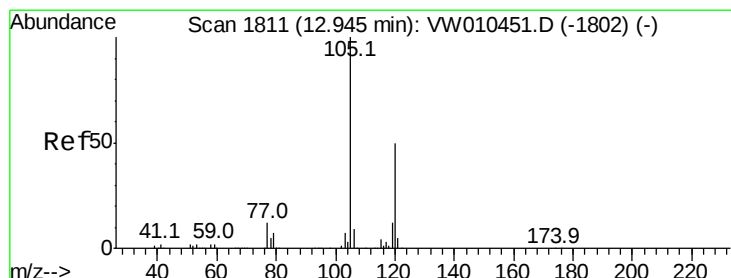
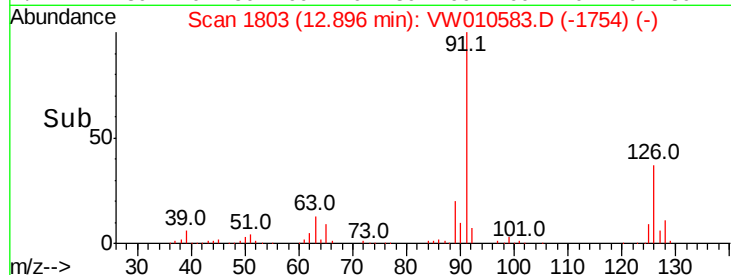
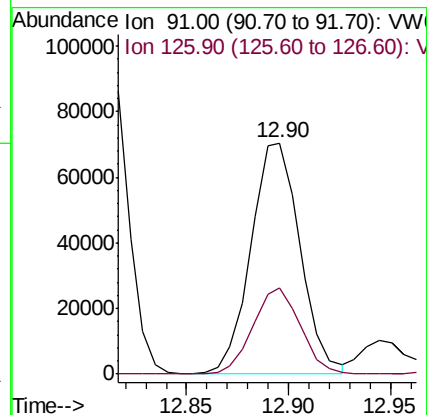
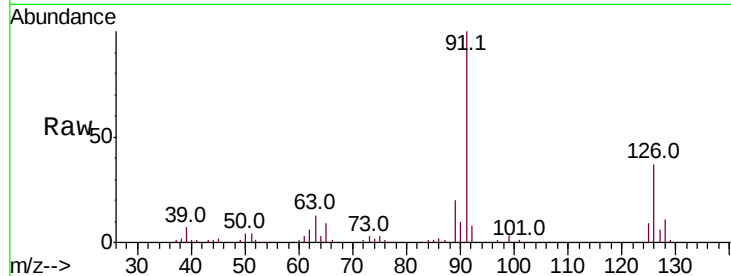
126 35.9 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.404 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010583.D

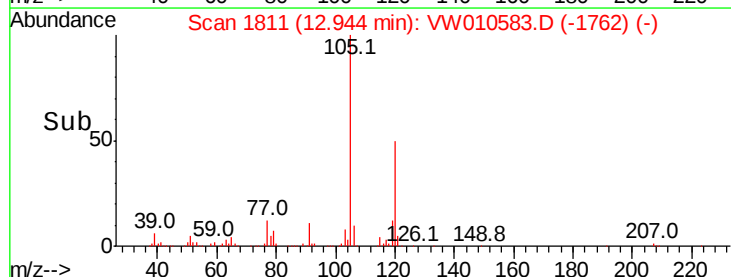
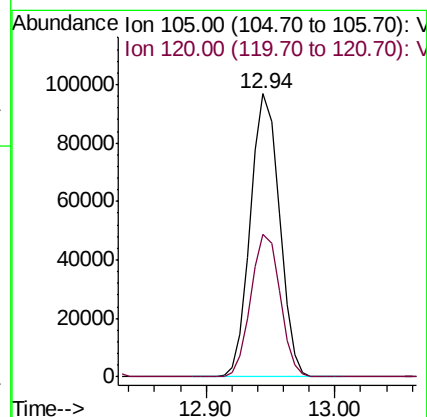
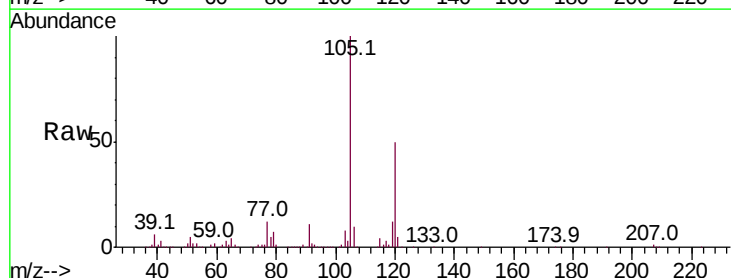
Acq: 29 May 2019 11:39

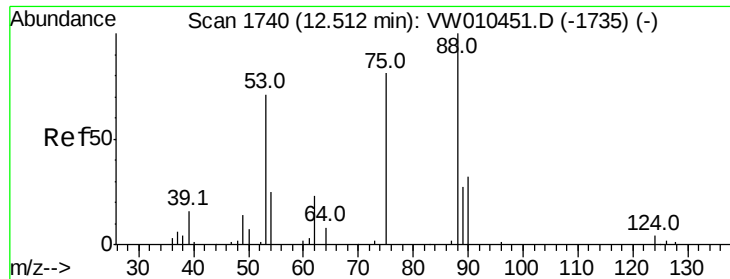
Tgt Ion:105 Resp: 150606

Ion Ratio Lower Upper

105 100

120 50.7 25.2 75.6





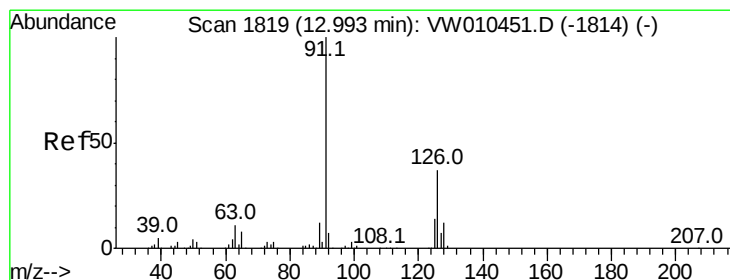
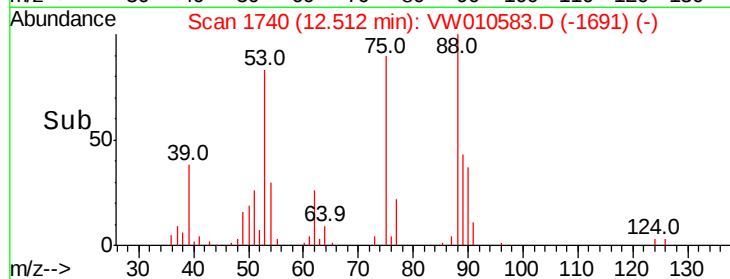
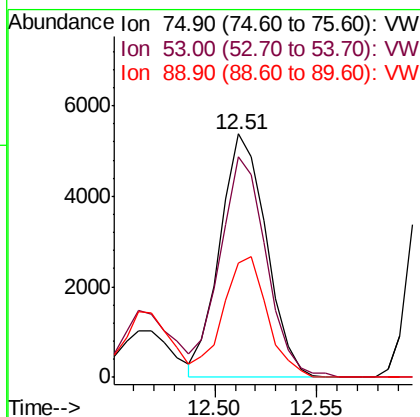
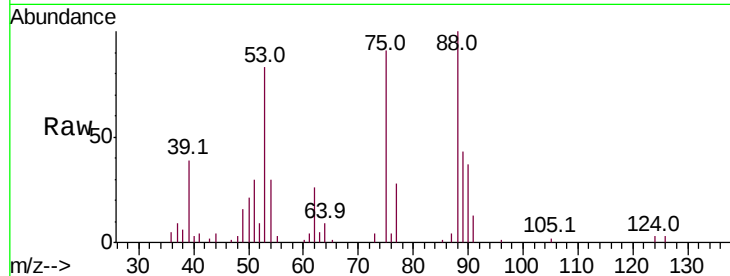
#81
trans-1,4-Dichloro-2-butene
Concen: 17.386 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	69.8	104.8
89	47.9	39.5	59.3

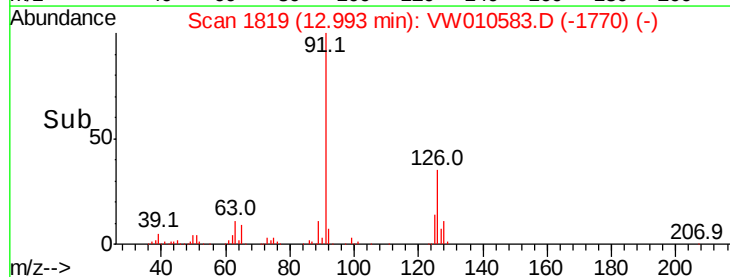
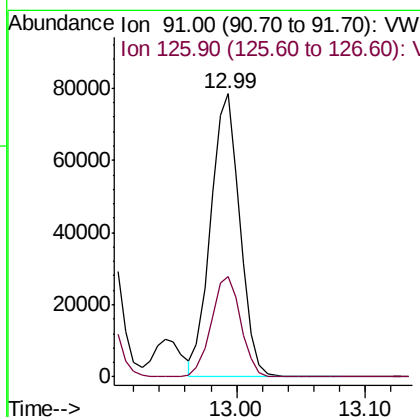
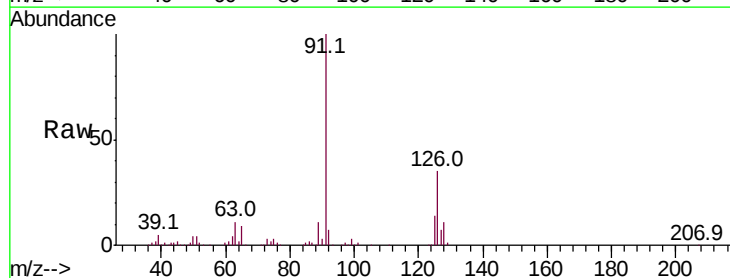
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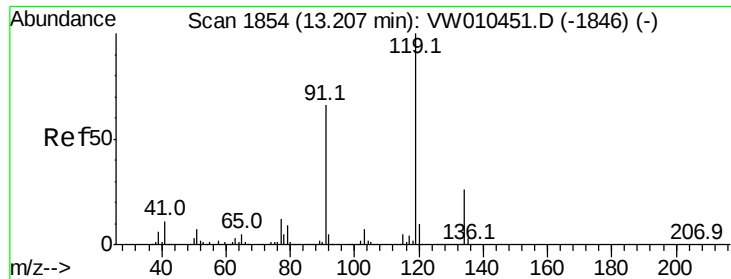
MMDadoda
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#82
4-Chlorotoluene
Concen: 22.399 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.5	52.6





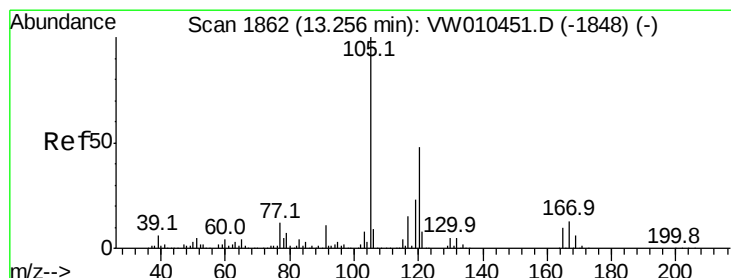
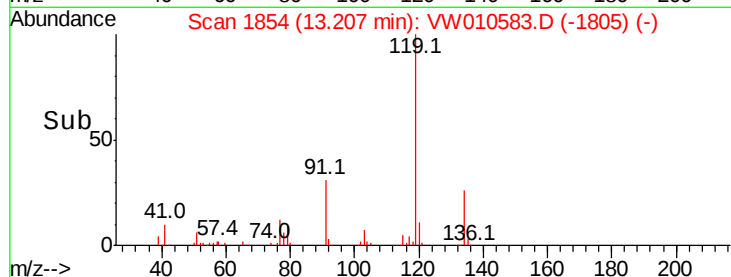
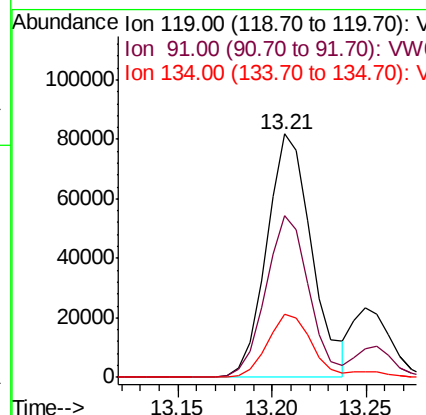
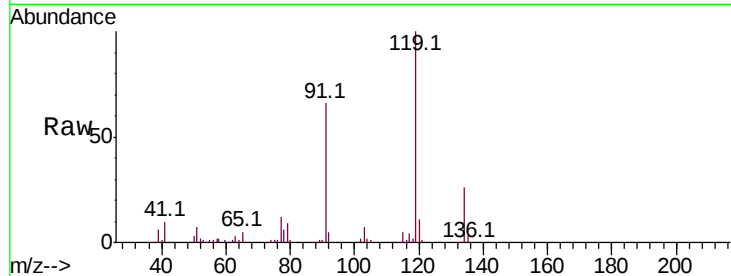
#83
tert-Butylbenzene
Concen: 23.127 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	135802		
91	63.6	33.1	99.5	
134	25.6	13.9	41.6	

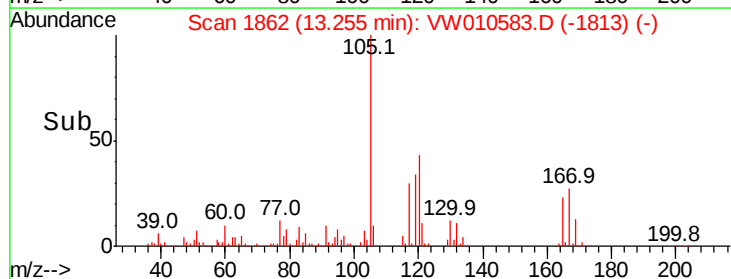
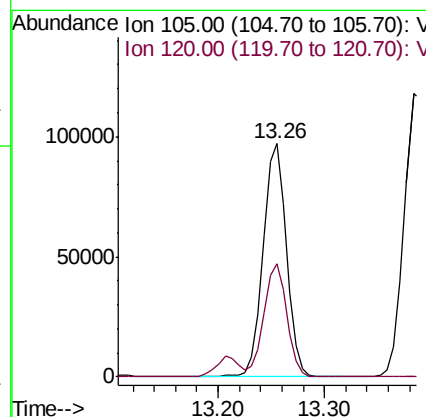
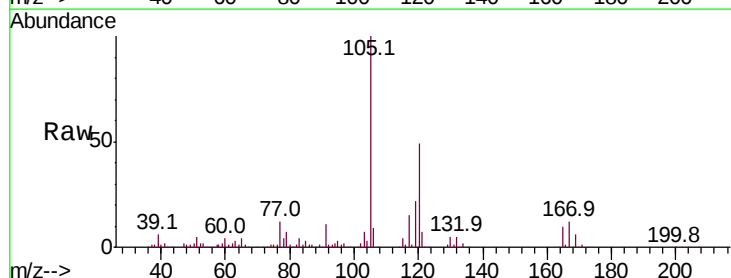
Manual Integrations
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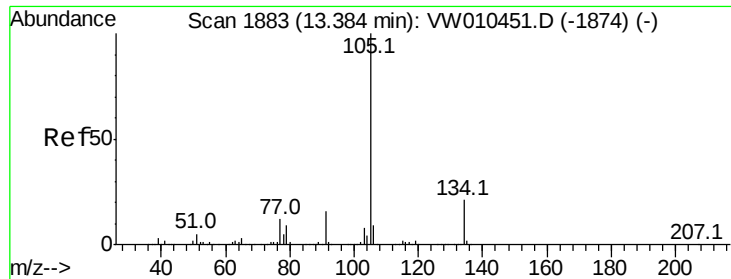
MMDadoda
5/30/2019 10:13:16 AM



#84
1,2,4-Trimethylbenzene
Concen: 22.393 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	149930		
120	47.6	23.4	70.2	





#85

sec-Butylbenzene

Concen: 22.571 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VW0529SBS01

Tot Ion:105 Resp: 185475

Ion Ratio Lower Upper

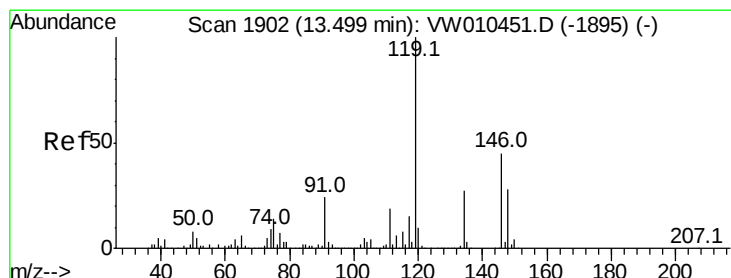
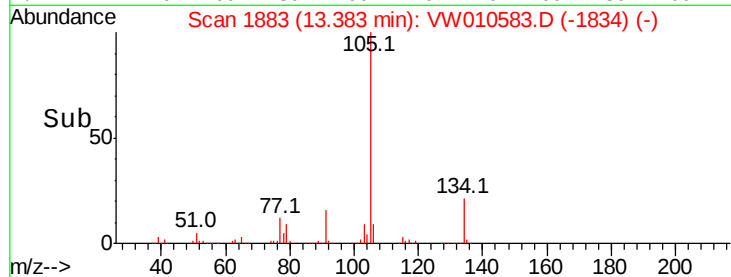
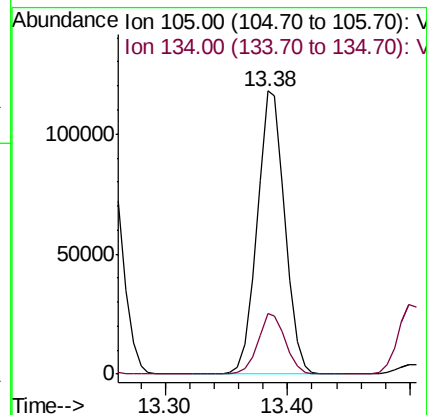
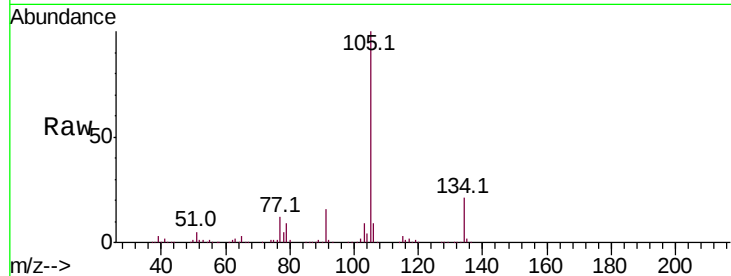
105 100

134 21.1 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 22.814 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

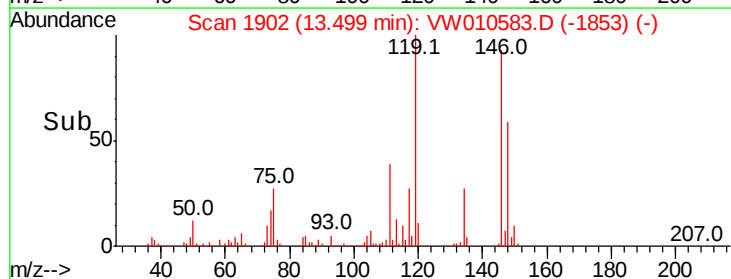
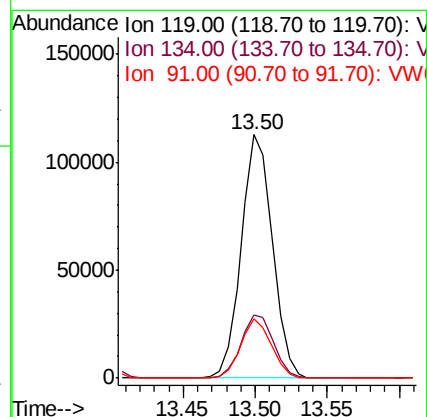
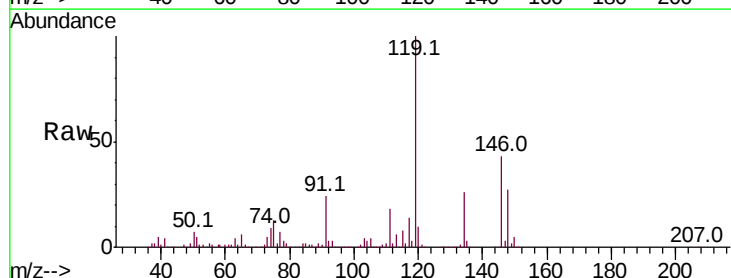
Tgt Ion:119 Resp: 169688

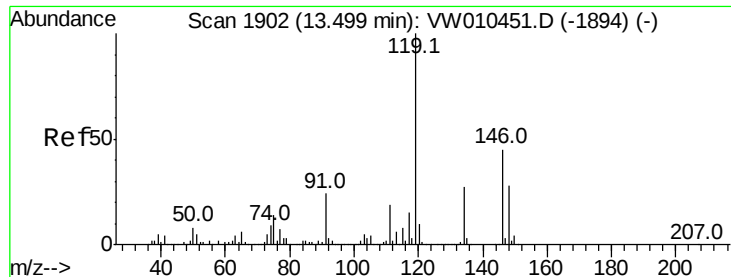
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 23.9 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 23.127 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

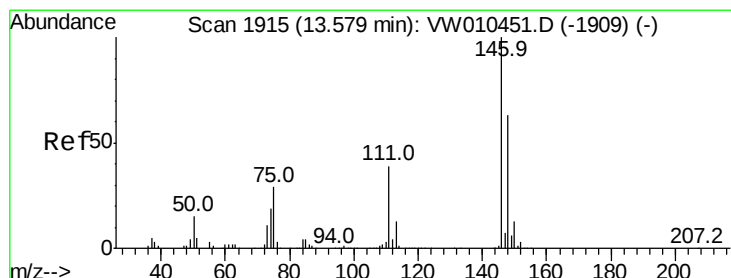
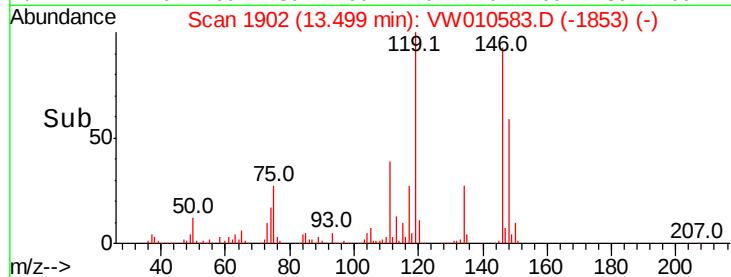
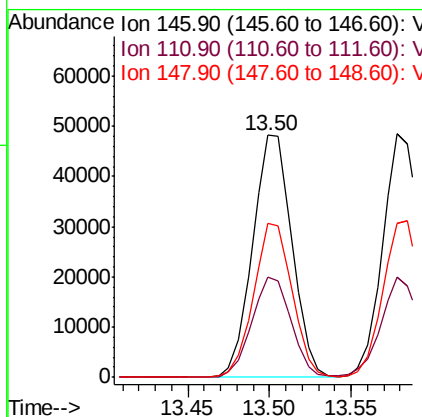
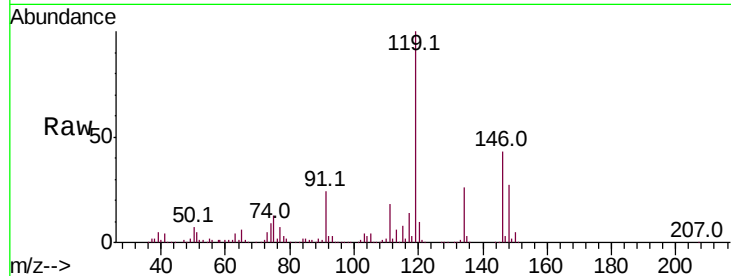
Instrument :
MSVOA_W

ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	80594		
111	41.1	20.3	60.9	
148	62.4	31.6	94.8	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 22.652 ug/l

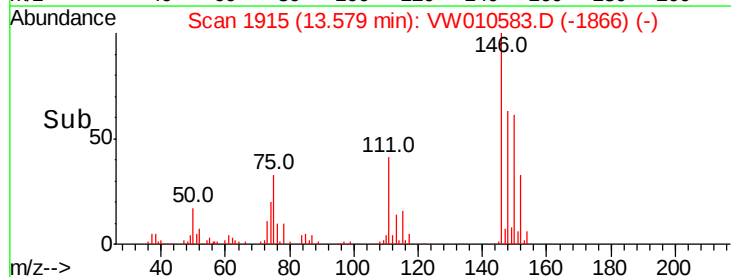
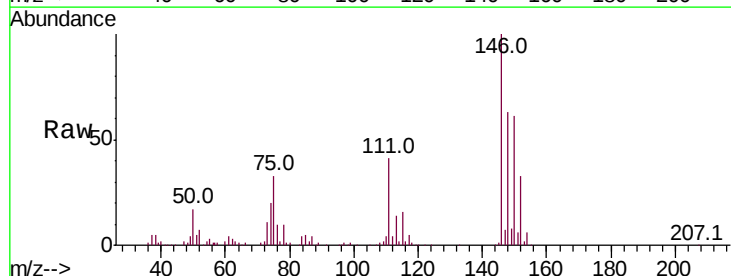
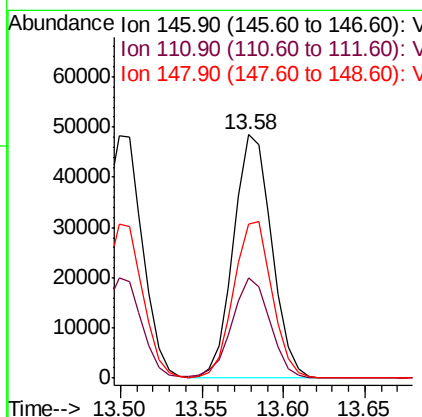
RT: 13.58 min Scan# 1915

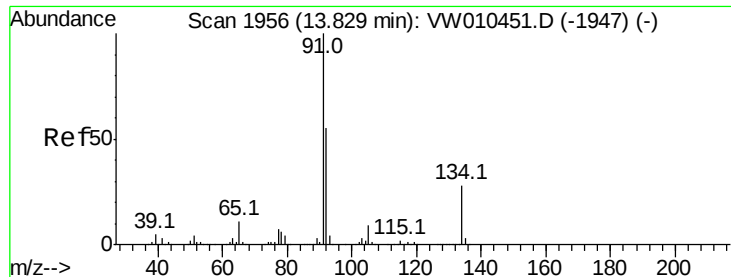
Delta R.T. -0.00 min

Lab File: VW010583.D

Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	79200		
111	41.2	19.9	59.6	
148	64.6	31.6	94.8	





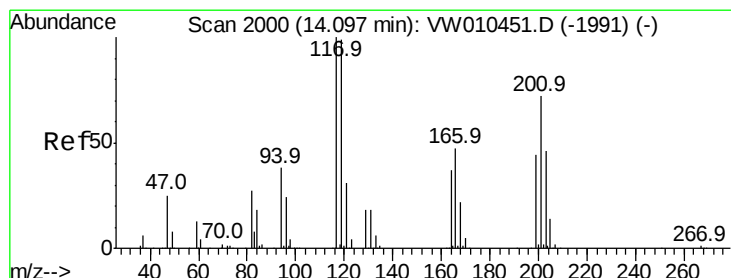
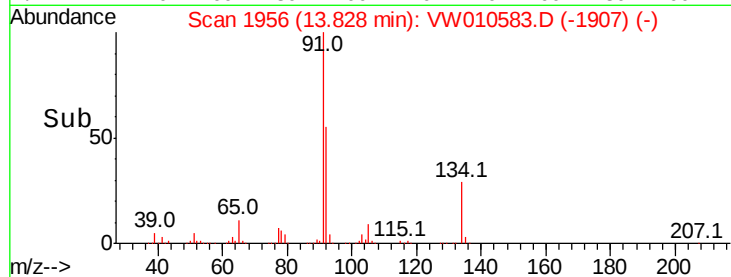
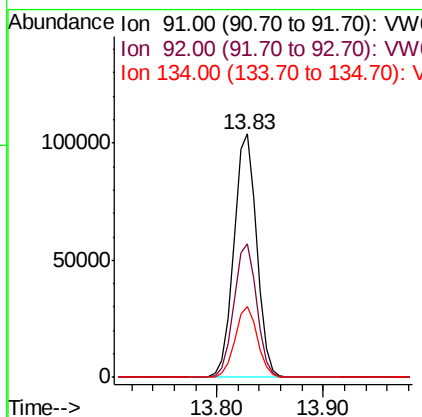
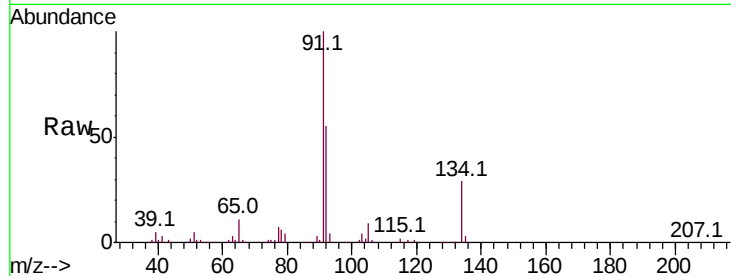
#89
n-Butylbenzene
Concen: 22.067 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.0	27.7	83.1	
134	28.6	13.9	41.6	

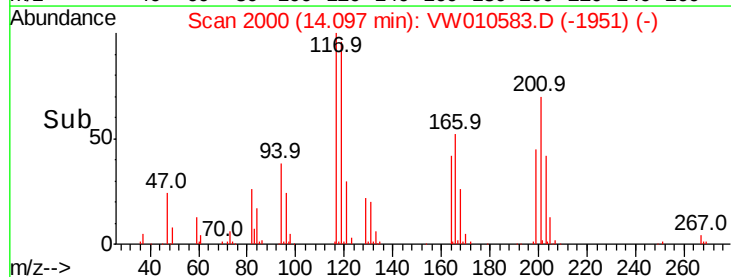
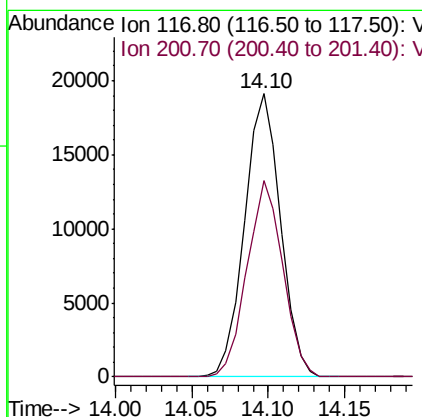
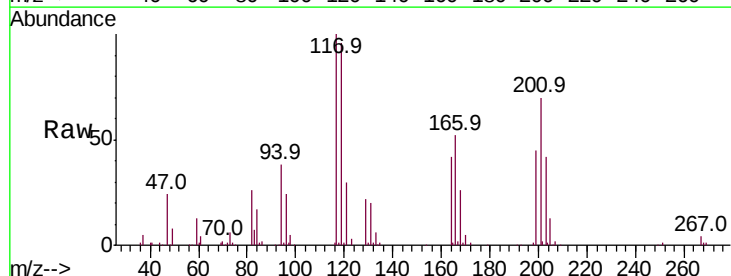
Manual Integrations
APPROVED

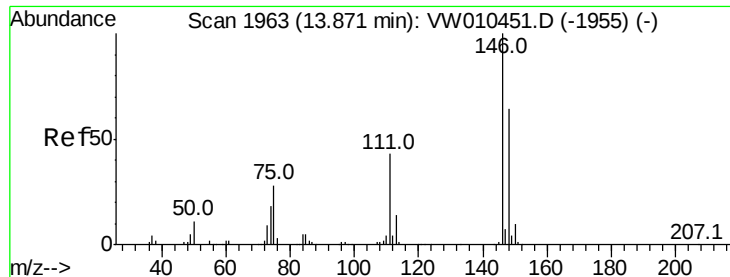
MMDadoda
5/30/2019 10:13:16 AM



#90
Hexachloroethane
Concen: 21.663 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	69.3	34.6	103.8	





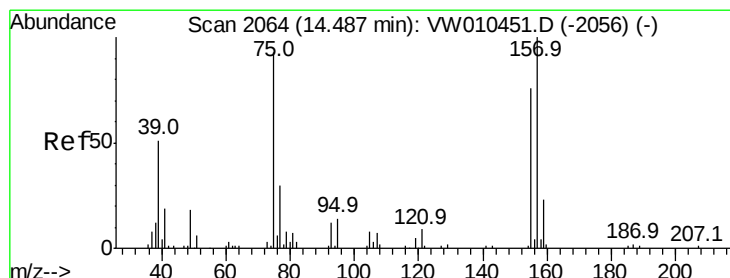
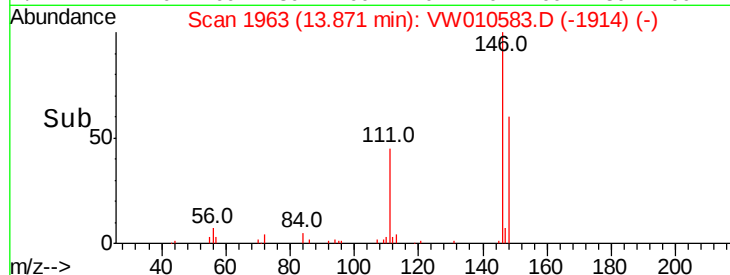
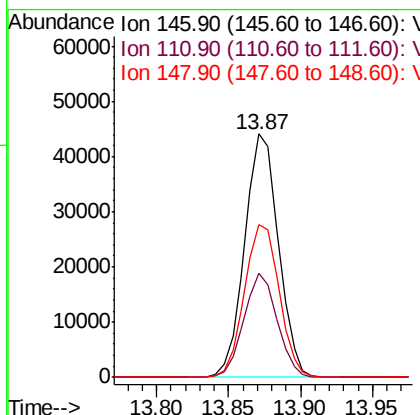
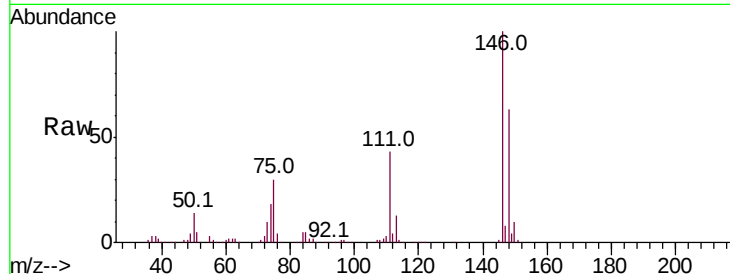
#91
 1,2-Dichlorobenzene
 Concen: 22.518 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	64.6	32.0	96.0

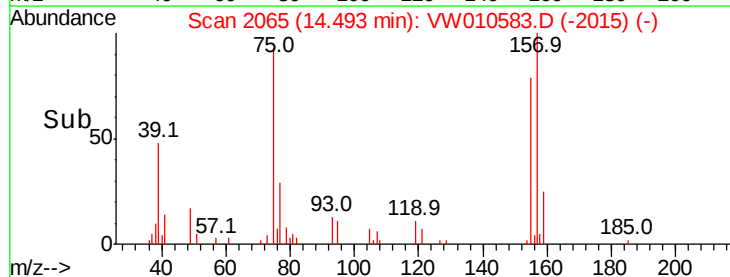
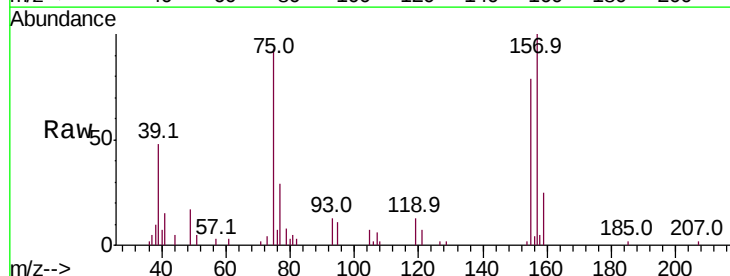
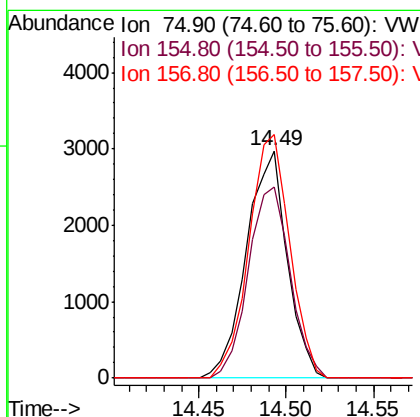
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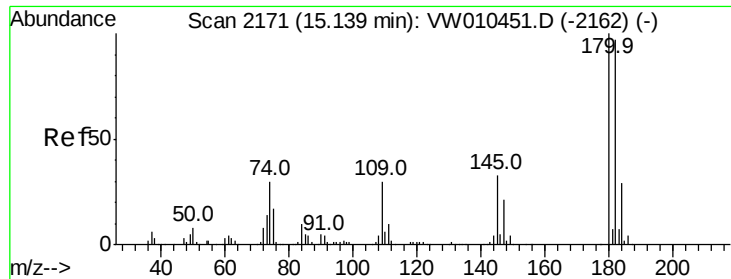
MMDadoda
 5/30/2019 10:13:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.967 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	43.0	129.0
157	107.5	55.7	167.1





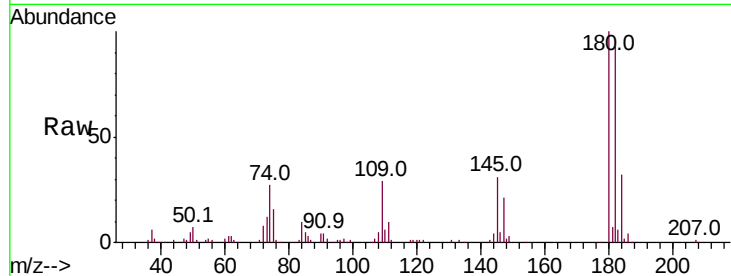
#93
 1,2,4-Trichlorobenzene
 Concen: 22.099 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBS01

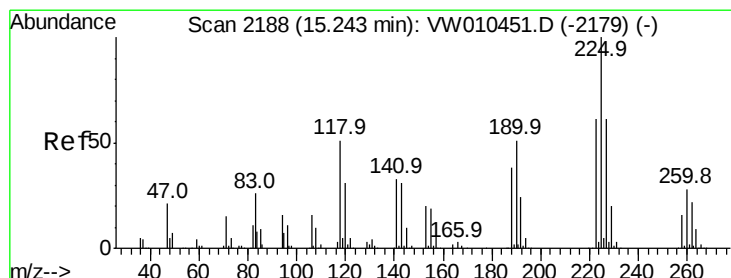
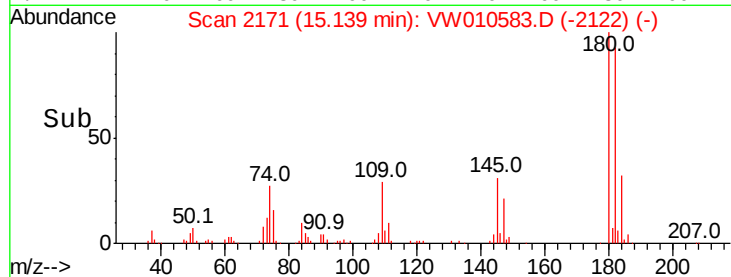
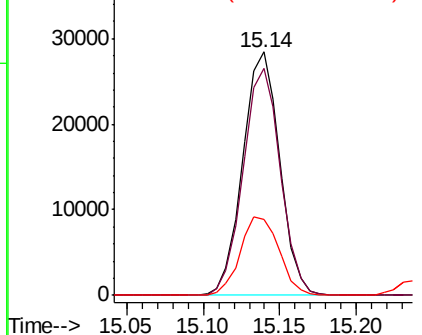
Tot Ion	Ratio	Resp	Lower	Upper
180	100	47743		
182	93.9	47.0	141.2	
145	33.9	16.7	50.0	

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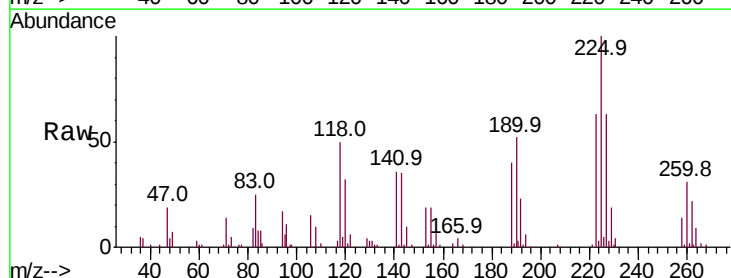


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

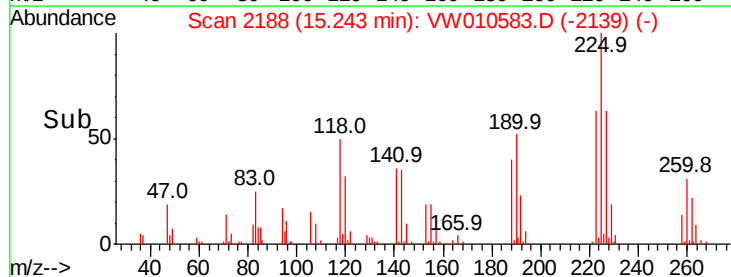
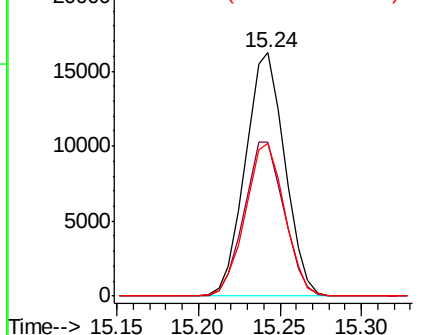


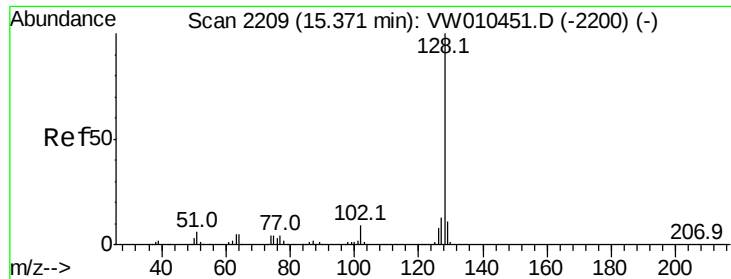
#94
 Hexachlorobutadiene
 Concen: 23.705 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010583.D
 Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27359		
223	64.1	31.1	93.2	
227	62.8	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





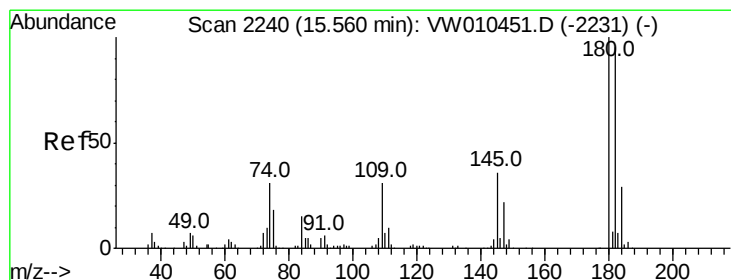
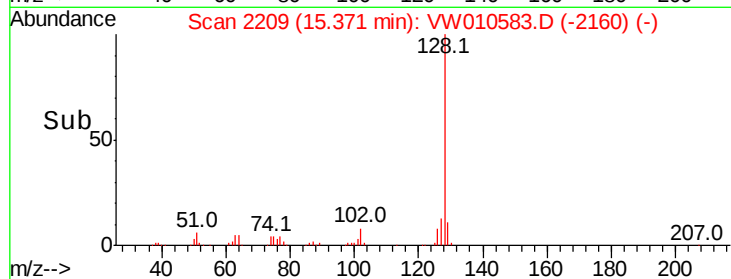
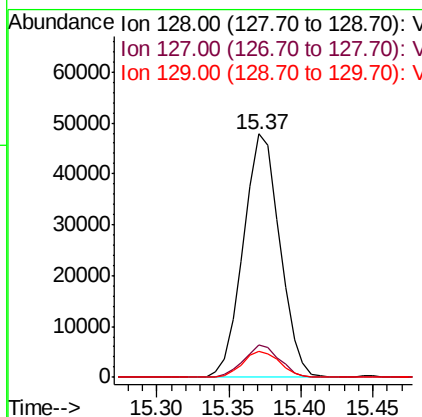
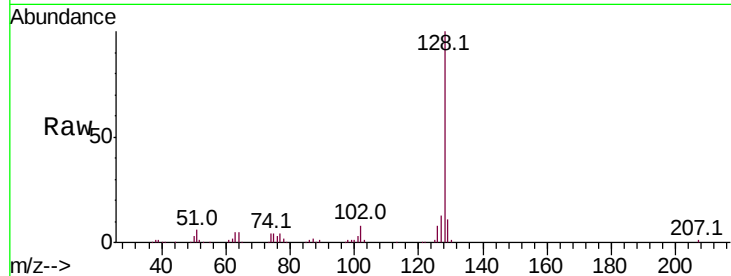
#95
Naphthalene
Concen: 18.541 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 21.853 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010583.D
Acq: 29 May 2019 11:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.1	141.3
145	35.3	17.4	52.3

