

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010429.D
 Acq On : 18 May 2019 00:31
 Operator : SY/VA
 Sample : VW0517SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:15:28 PM

Quant Time: May 18 01:51:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:49:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	689571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1313647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1203176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	564665	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	424105	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
35) Dibromofluoromethane	7.88	113	401476	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.32	98	1503855	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.62	95	584870	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	96178	17.411	ug/l	96
3) Chloromethane	2.21	50	152135	19.876	ug/l	99
4) Vinyl Chloride	2.35	62	151752	18.368	ug/l	100
5) Bromomethane	2.75	94	114820	25.115	ug/l	98
6) Chloroethane	2.90	64	103382	20.076	ug/l	95
7) Trichlorofluoromethane	3.25	101	229514	20.032	ug/l	98
8) Diethyl Ether	3.68	74	88756	21.779	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	142584	19.553	ug/l	99
10) Methyl Iodide	4.27	142	156120	19.144	ug/l	99
11) Tert butyl alcohol	5.19	59	76444	111.435	ug/l	97
12) 1,1-Dichloroethene	4.03	96	142134	20.668	ug/l	94
13) Acrolein	3.89	56	55066	105.705	ug/l	96
14) Allyl chloride	4.66	41	223852	20.984	ug/l	99
15) Acrylonitrile	5.37	53	196973	113.045	ug/l	99
16) Acetone	4.13	43	146049	109.633	ug/l	97
17) Carbon Disulfide	4.37	76	397772	20.256	ug/l	99
18) Methyl Acetate	4.67	43	100797	24.212	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	444678	22.544	ug/l	97
20) Methylene Chloride	4.92	84	162879	21.091	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	172255	21.476	ug/l	97
22) Diisopropyl ether	6.32	45	494778	21.732	ug/l	97
23) Vinyl Acetate	6.26	43	1475925	103.921	ug/l	100
24) 1,1-Dichloroethane	6.21	63	285100	21.630	ug/l	98
25) 2-Butanone	7.18	43	260780	114.837	ug/l	96
26) 2,2-Dichloropropane	7.17	77	209816	17.640	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	198653	22.085	ug/l	99
28) Bromochloromethane	7.51	49	112011	22.619	ug/l	97
29) Tetrahydrofuran	7.53	42	177731	115.654	ug/l	98
30) Chloroform	7.67	83	309967	22.359	ug/l	100
31) Cyclohexane	7.95	56	257233	19.711	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	273280	20.906	ug/l	99
36) 1,1-Dichloropropene	8.08	75	223418	19.211	ug/l	99
37) Ethyl Acetate	7.25	43	118356	21.211	ug/l	98
38) Carbon Tetrachloride	8.07	117	238145	18.975	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:49:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	284906	18.345	ug/l	96
40) Benzene	8.32	78	674484	20.322	ug/l	100
41) Methacrylonitrile	7.48	41	66339	19.854	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	210095	21.245	ug/l	100
43) Isopropyl Acetate	8.43	43	239574	21.083	ug/l	99
44) Trichloroethene	9.09	130	187825	19.752	ug/l	97
45) 1,2-Dichloropropane	9.37	63	171448	21.102	ug/l	97
46) Dibromomethane	9.46	93	104089	21.687	ug/l	96
47) Bromodichloromethane	9.64	83	247888	20.785	ug/l	97
48) Methyl methacrylate	9.43	41	108130	20.651	ug/l	96
49) 1,4-Dioxane	9.46	88	30410	428.125	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	609883	104.927	ug/l	100
52) Toluene	10.39	92	443222	20.107	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	242650	19.727	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	277719	19.915	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	143853	20.774	ug/l	94
56) Ethyl methacrylate	10.65	69	202126	20.918	ug/l	100
57) 1,3-Dichloropropane	10.93	76	247626	21.331	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	494086	106.418	ug/l	99
59) 2-Hexanone	10.97	43	421540	104.150	ug/l	99
60) Dibromochloromethane	11.13	129	180339	20.986	ug/l	98
61) 1,2-Dibromoethane	11.23	107	149263	21.268	ug/l	98
64) Tetrachloroethene	10.86	164	180850	22.852	ug/l	97
65) Chlorobenzene	11.66	112	490961	20.095	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	182320	20.208	ug/l	99
67) Ethyl Benzene	11.73	91	841725	19.558	ug/l	99
68) m/p-Xylenes	11.84	106	662164	39.310	ug/l	99
69) o-Xylene	12.16	106	326161	20.312	ug/l	100
70) Styrene	12.18	104	558916	20.216	ug/l	99
71) Bromoform	12.35	173	102043	20.073	ug/l #	100
73) Isopropylbenzene	12.46	105	835598	19.138	ug/l	100
74) N-amyl acetate	12.27	43	217383	19.428	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	174530	20.183	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	124573m	20.602	ug/l	
77) Bromobenzene	12.75	156	197249	19.998	ug/l	96
78) n-propylbenzene	12.80	91	961893	18.992	ug/l	100
79) 2-Chlorotoluene	12.90	91	585837	19.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	721998	19.427	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	54801	17.885	ug/l	97
82) 4-Chlorotoluene	12.99	91	610394	19.761	ug/l	98
83) tert-Butylbenzene	13.21	119	599653	19.079	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	726173	19.861	ug/l	100
85) sec-Butylbenzene	13.38	105	831670	18.791	ug/l	99
86) p-Isopropyltoluene	13.50	119	754907	18.881	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	382394	20.131	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	378758	20.031	ug/l	99
89) n-Butylbenzene	13.83	91	698162	18.301	ug/l	100
90) Hexachloroethane	14.10	117	152241	18.929	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	352008	20.381	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	33154	20.603	ug/l	95

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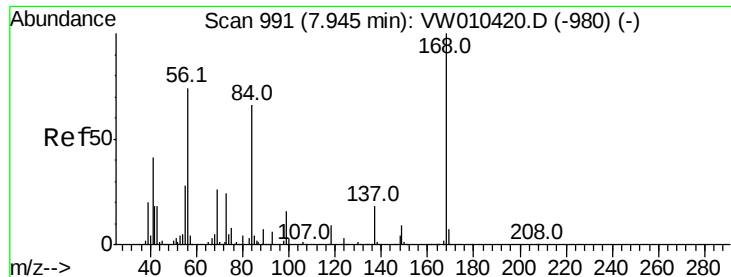
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	214465	19.048	ug/l	98
94) Hexachlorobutadiene	15.24	225	112013	18.635	ug/l	98
95) Naphthalene	15.37	128	518748	20.383	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	191547	19.296	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBSD01

Tot Ion:168 Resp: 689571

Ion Ratio Lower Upper

168 100

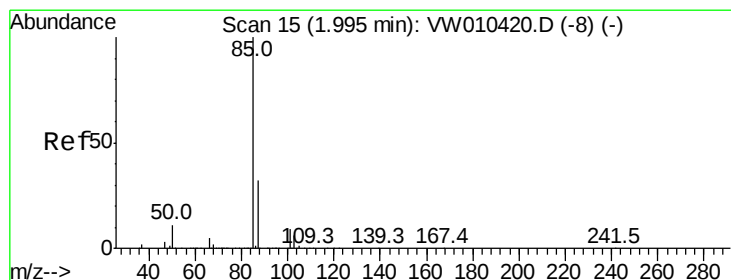
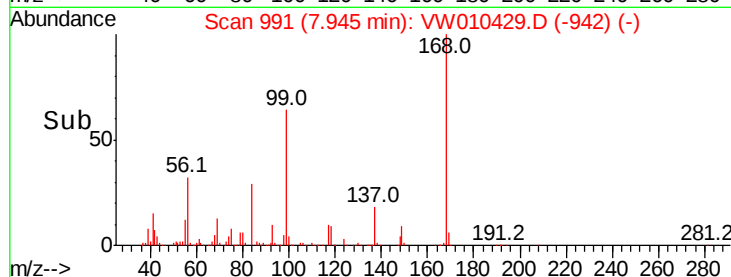
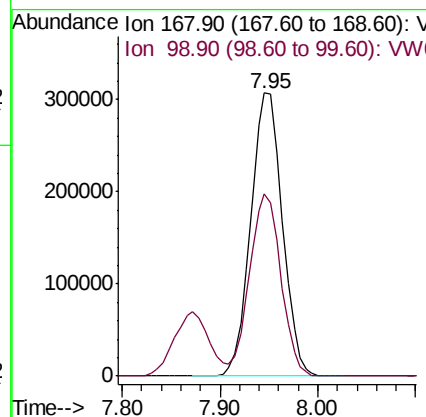
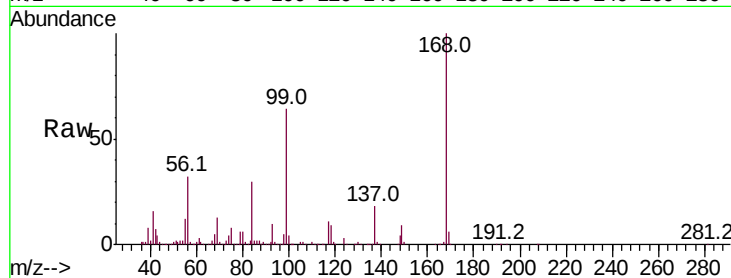
99 64.3 50.8 76.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.411 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010429.D

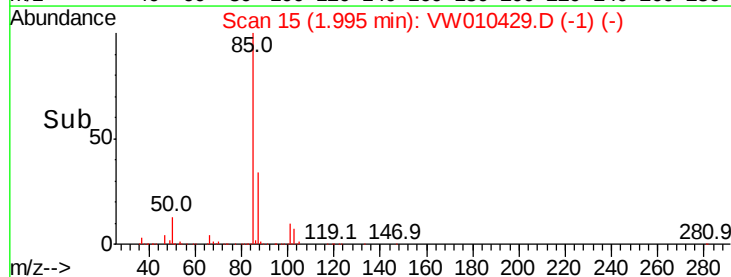
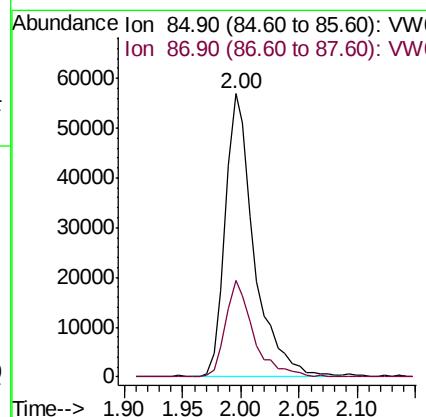
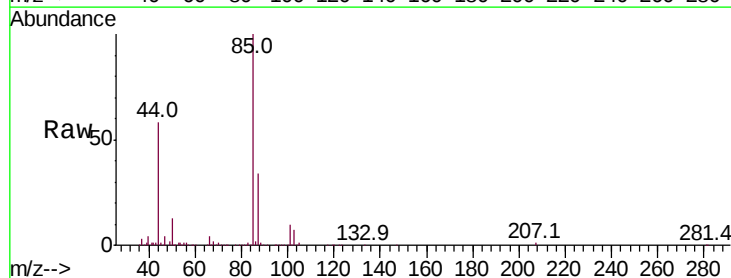
Acq: 18 May 2019 00:31

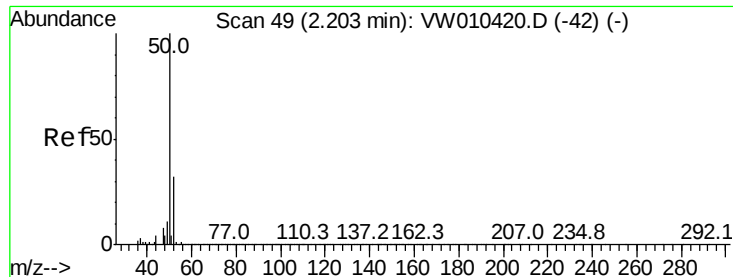
Tgt Ion: 85 Resp: 96178

Ion Ratio Lower Upper

85 100

87 34.4 16.2 48.5





#3

Chloromethane

Concen: 19.876 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBSD01

Tot Ion: 50 Resp: 152135

Ion Ratio Lower Upper

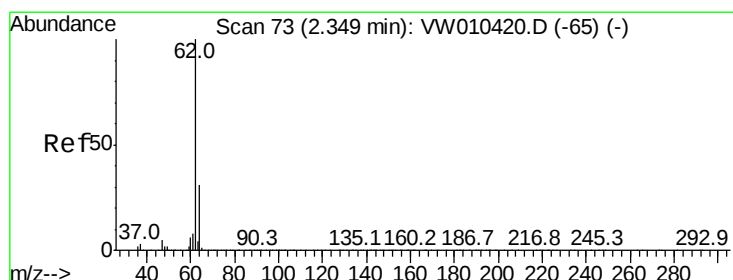
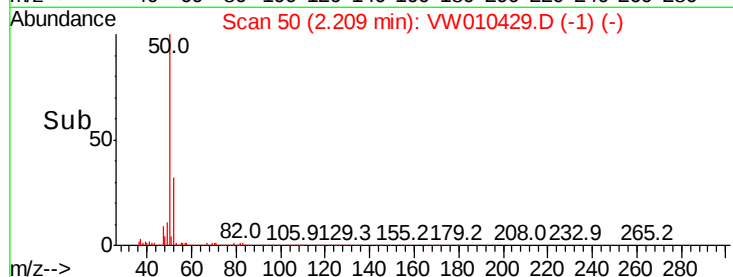
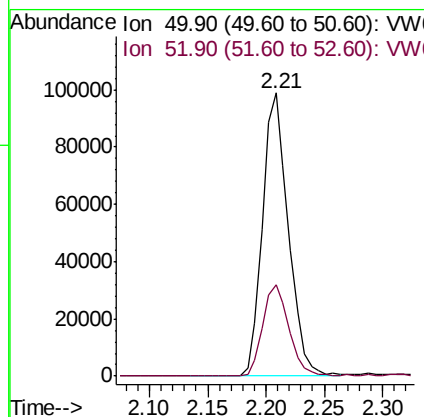
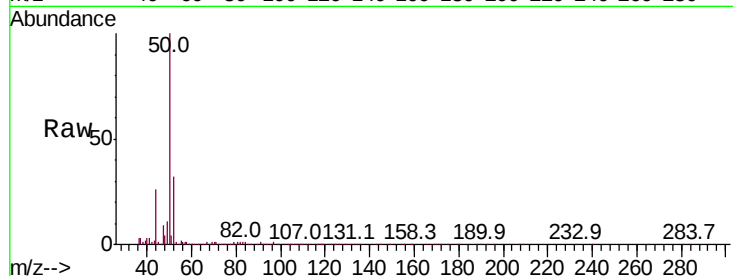
50 100

52 32.3 25.4 38.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.368 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010429.D

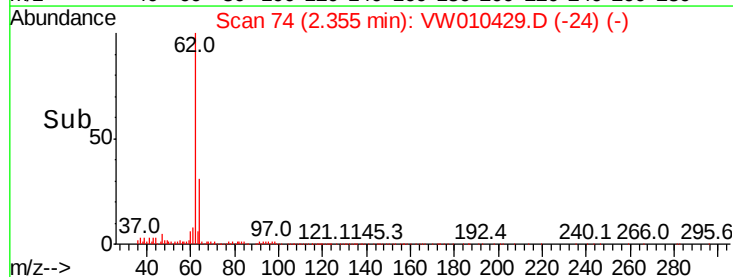
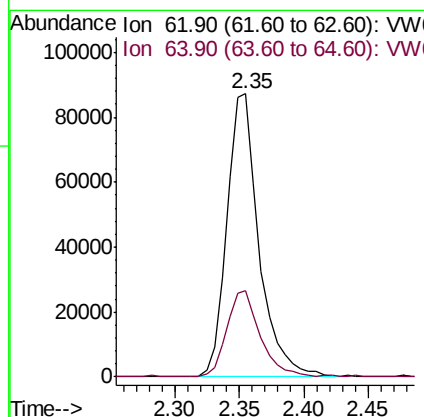
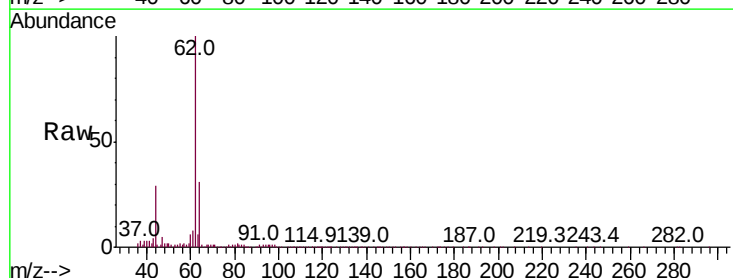
Acq: 18 May 2019 00:31

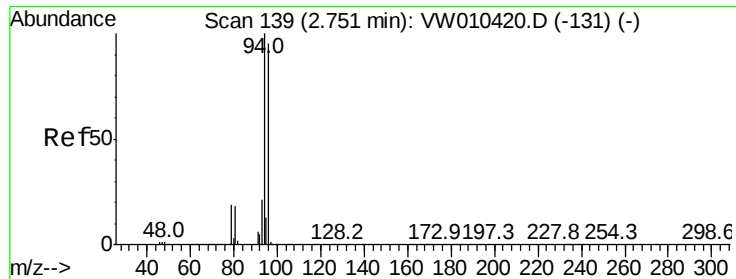
Tgt Ion: 62 Resp: 151752

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6





#5

Bromomethane

Concen: 25.115 ug/l

RT: 2.75 min Scan# 139

Delta R.T. 0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBSD01

Tot Ion: 94 Resp: 114820

Ion Ratio Lower Upper

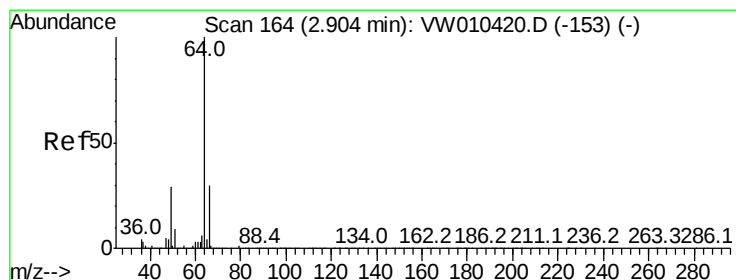
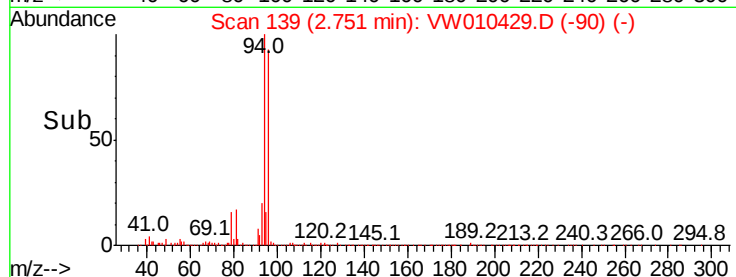
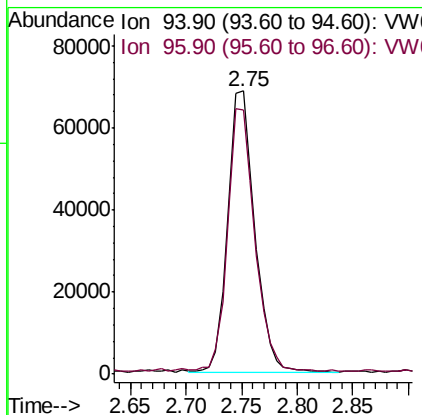
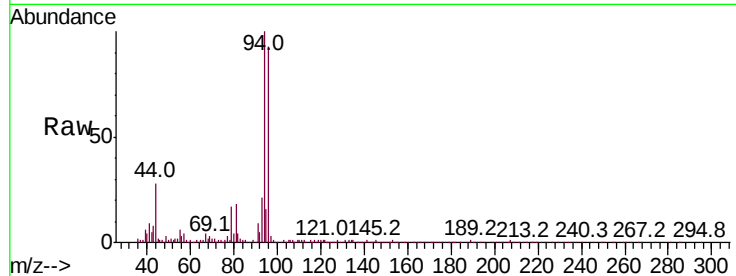
94 100

96 93.1 75.8 113.6

Manual Integrations
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#6

Chloroethane

Concen: 20.076 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.00 min

Lab File: VW010429.D

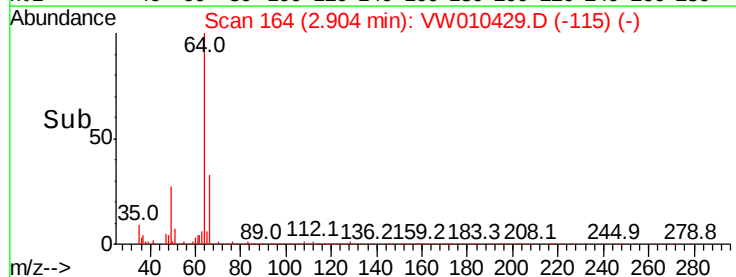
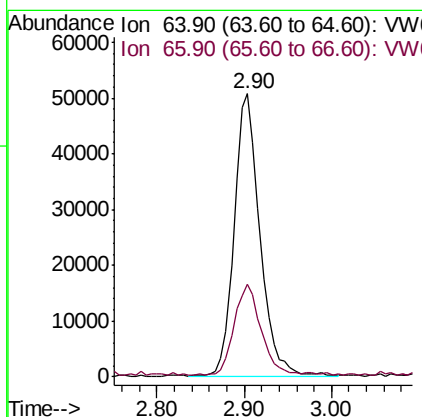
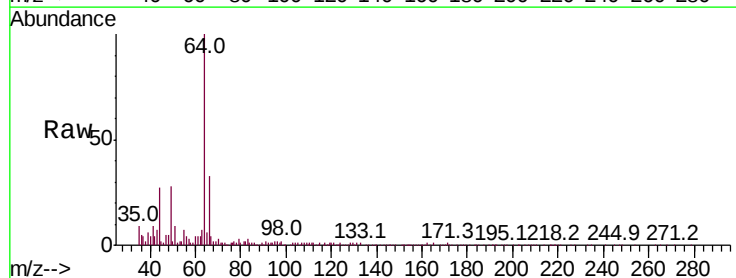
Acq: 18 May 2019 00:31

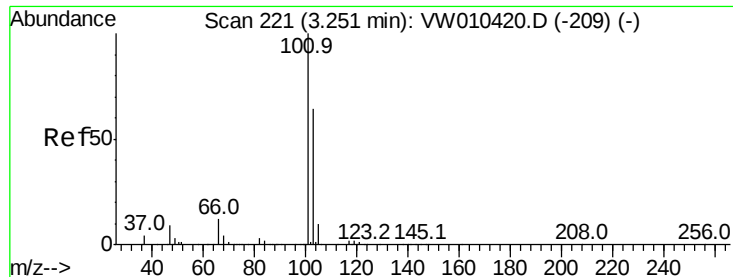
Tgt Ion: 64 Resp: 103382

Ion Ratio Lower Upper

64 100

66 32.4 23.6 35.4





#7

Trichlorofluoromethane

Concen: 20.032 ug/l

RT: 3.25 min Scan# 221

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

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Tot Ion:101 Resp: 229514

Ion Ratio Lower Upper

101 100

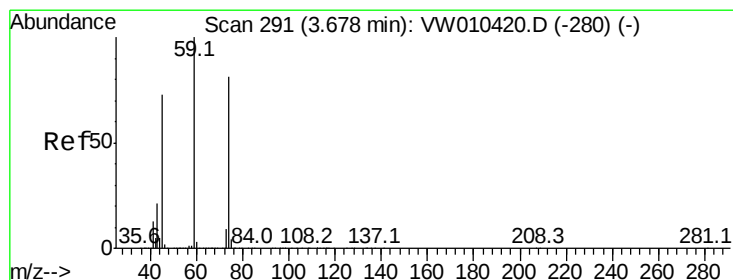
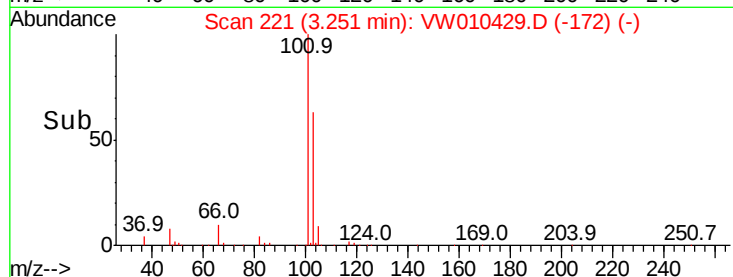
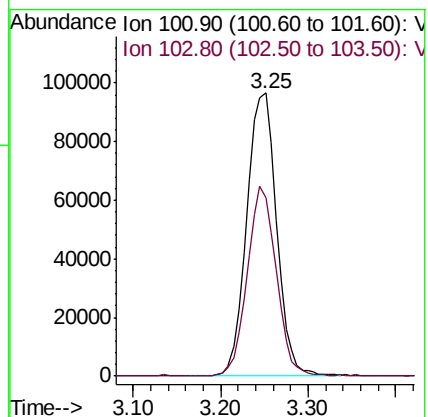
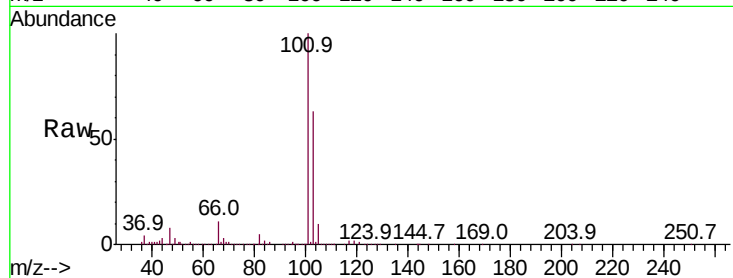
103 62.9 51.4 77.0

Manual Integrations

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#8

Diethyl Ether

Concen: 21.779 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW010429.D

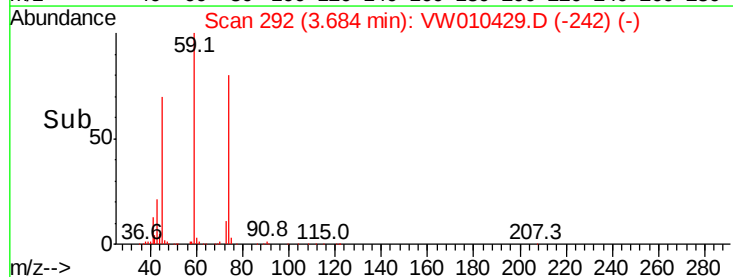
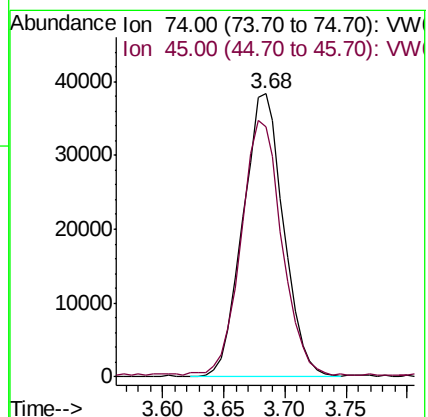
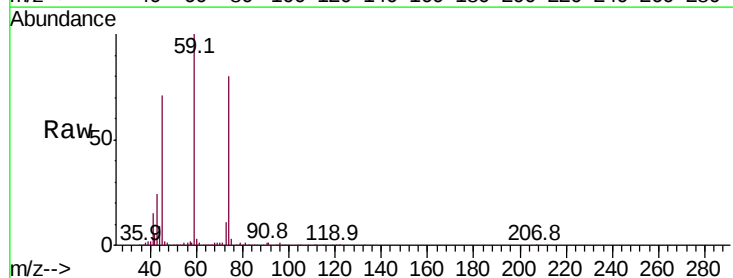
Acq: 18 May 2019 00:31

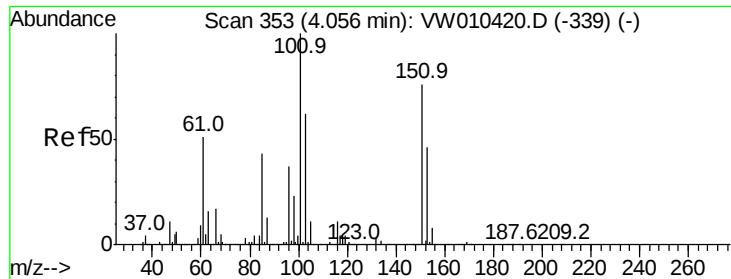
Tgt Ion: 74 Resp: 88756

Ion Ratio Lower Upper

74 100

45 89.5 43.4 130.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.553 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

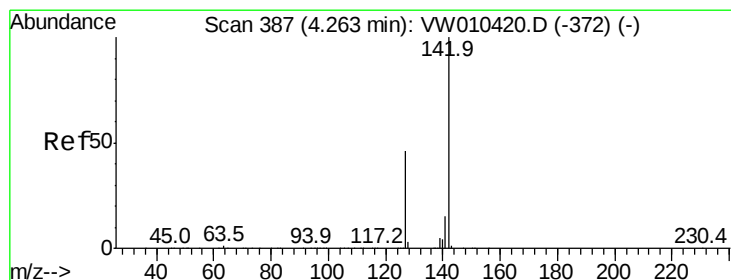
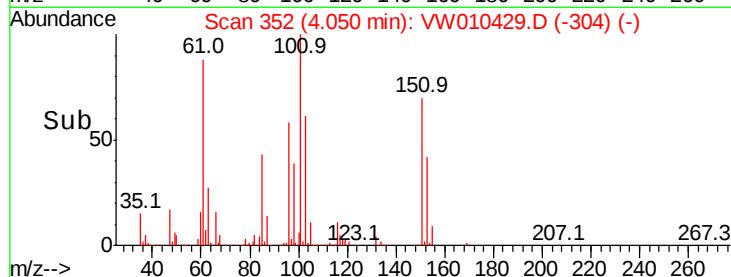
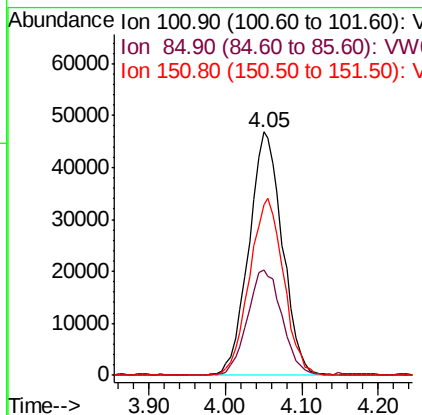
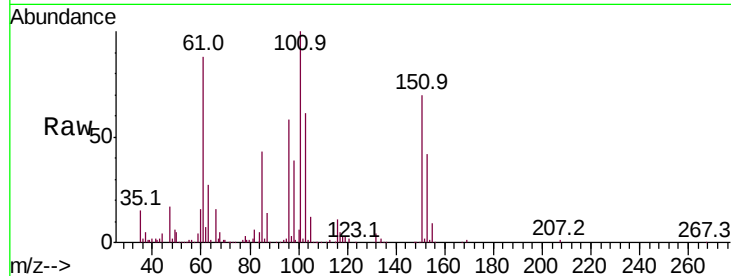
ClientSampleId :

VW0517SBS01

Tot Ion:	101	Resp:	142584
Ion Ratio	Lower	Upper	
101	100		
85	45.0	34.3	51.5
151	74.0	59.4	89.2

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#10

Methyl Iodide

Concen: 19.144 ug/l

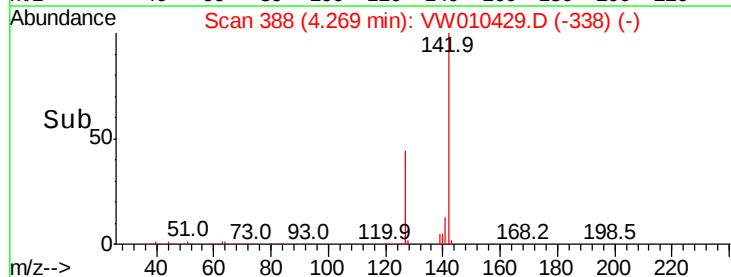
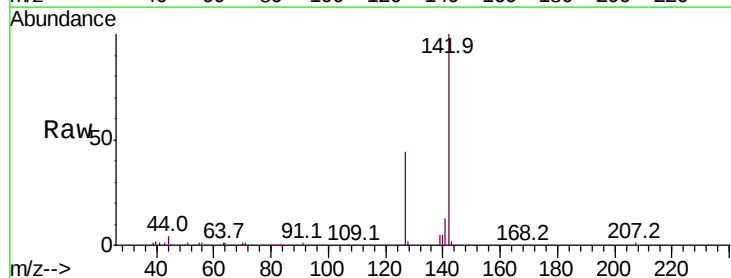
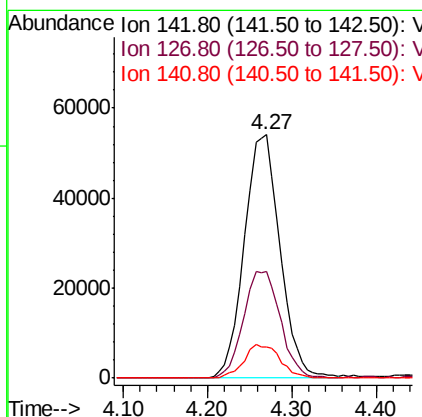
RT: 4.27 min Scan# 388

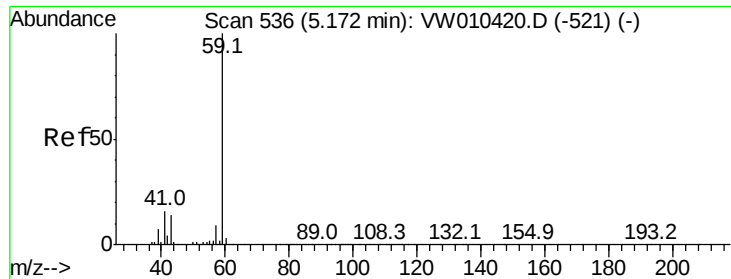
Delta R.T. 0.01 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Tgt Ion:	142	Resp:	156120
Ion Ratio	Lower	Upper	
142	100		
127	45.1	35.4	53.2
141	14.1	11.4	17.2





#11

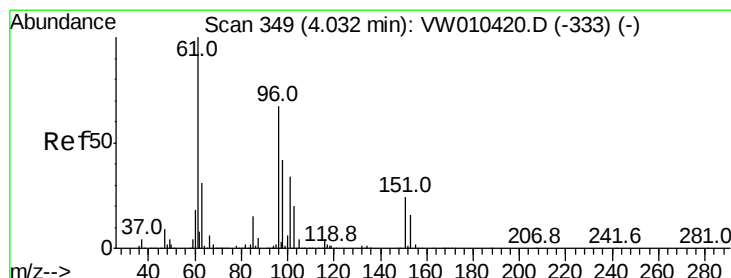
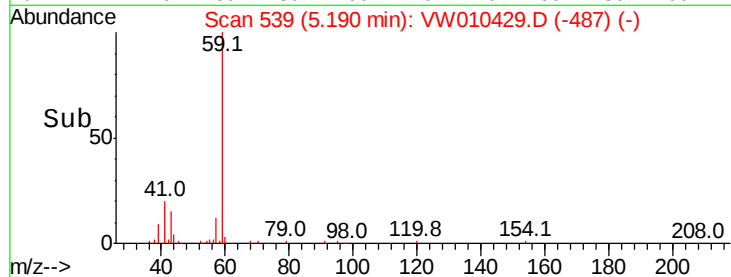
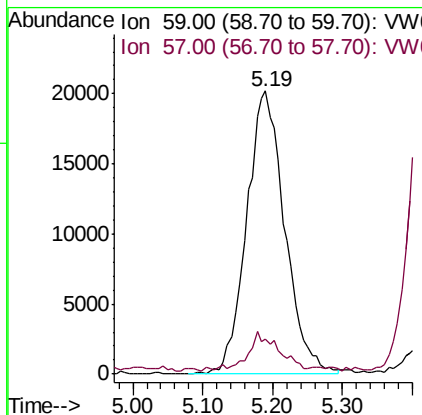
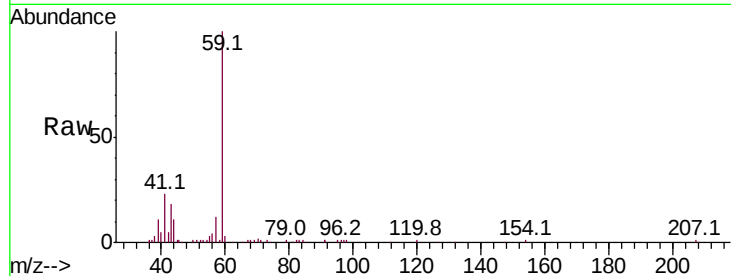
Tert butyl alcohol
 Concen: 111.435 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW010429.D
 Acq: 18 May 2019 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	59	57	Ratio	100	9.3	Resp	Lower	Upper
59	100					76444		
57		9.3					8.4	12.6

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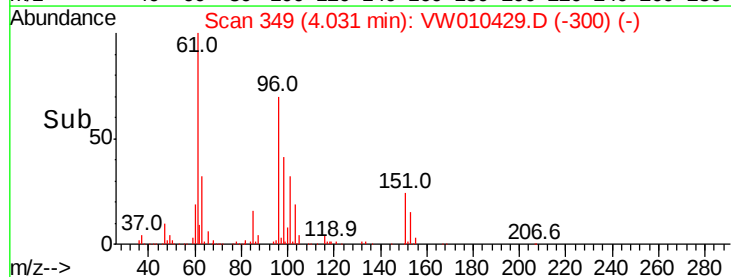
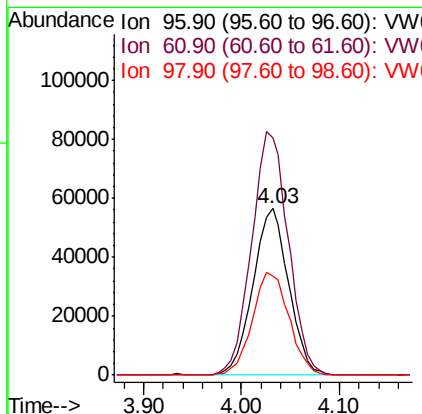
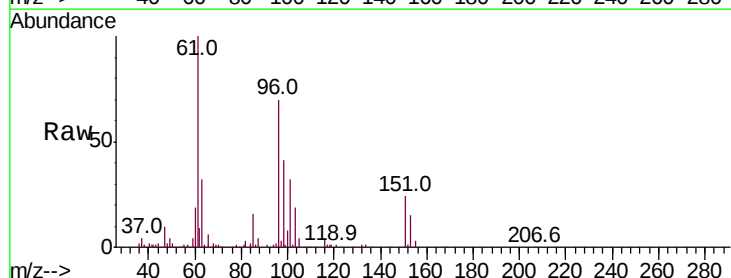
MMDadoda
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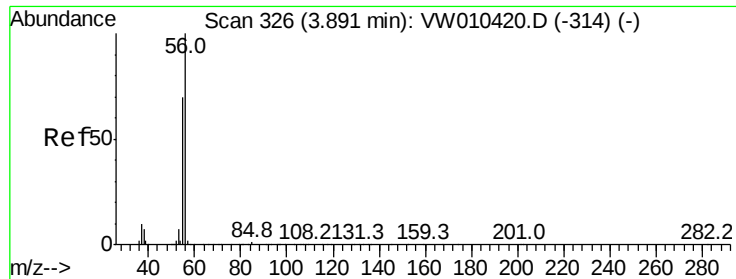


#12

1,1-Dichloroethene
 Concen: 20.668 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW010429.D
 Acq: 18 May 2019 00:31

Tgt Ion	96	61	98	Ratio	100	142.8	59.2	Resp	Lower	Upper
96	100					142134				
61		142.8					120.3			180.5
98			59.2				50.7			76.1





#13

Acrolein

Concen: 105.705 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleID :

VW0517SBSD01

Tot Ion: 56 Resp: 55066

Ion Ratio Lower Upper

56 100

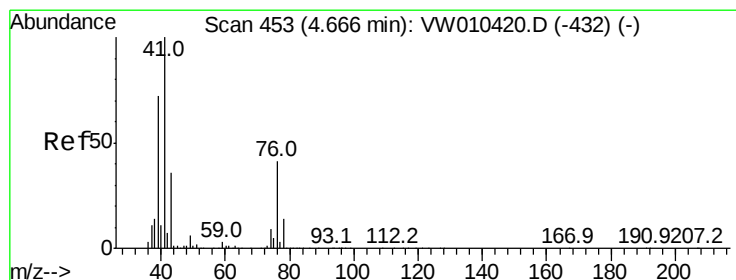
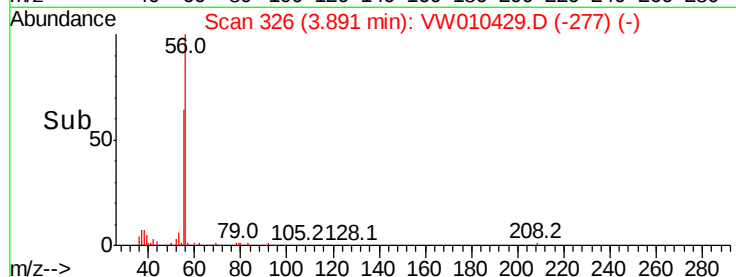
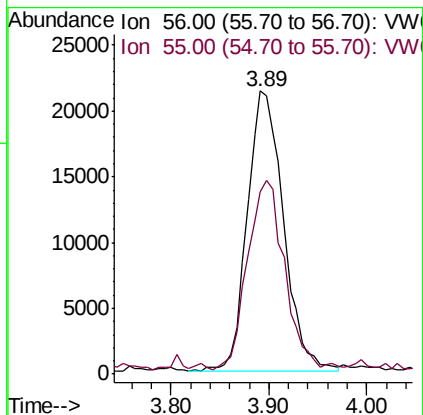
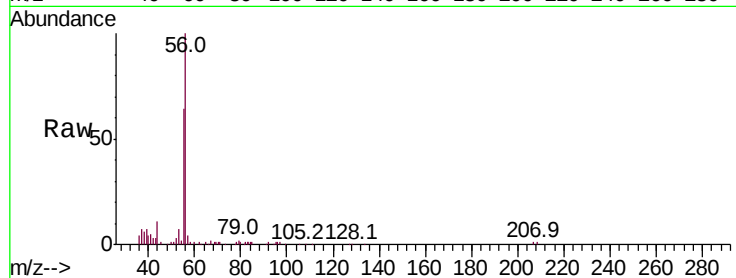
55 68.8 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.984 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

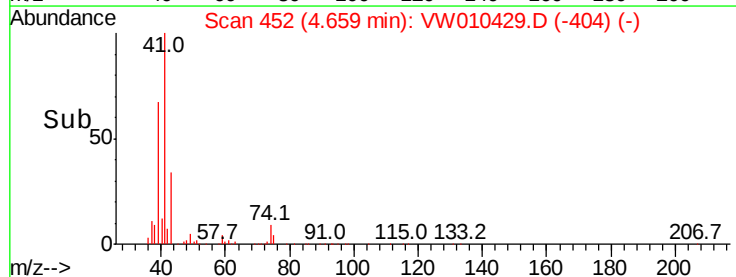
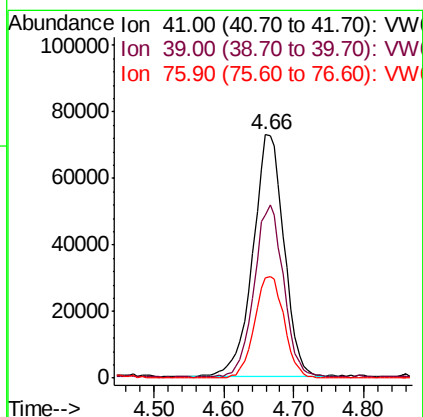
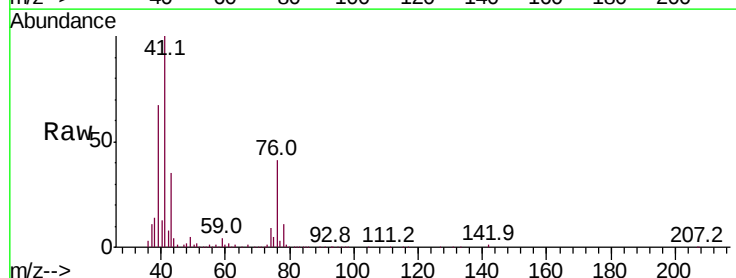
Tgt Ion: 41 Resp: 223852

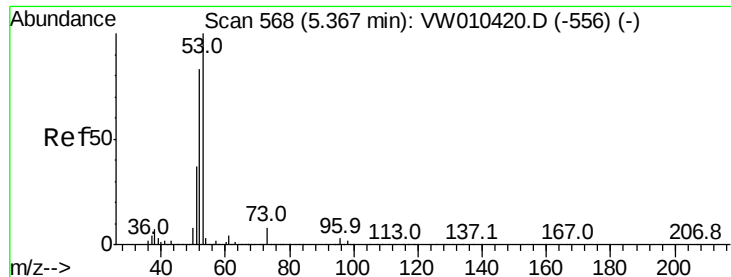
Ion Ratio Lower Upper

41 100

39 68.3 54.9 82.3

76 40.3 31.8 47.6





#15

Acrylonitrile

Concen: 113.045 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

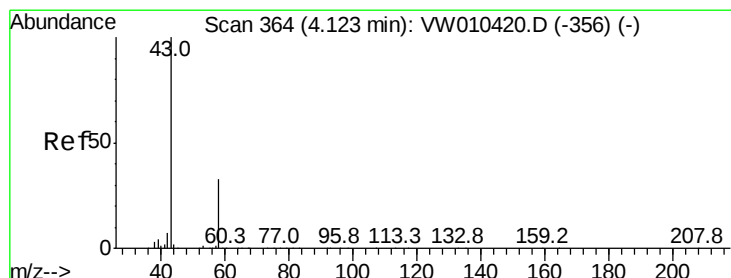
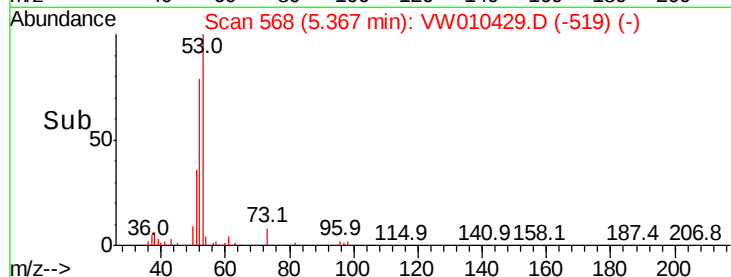
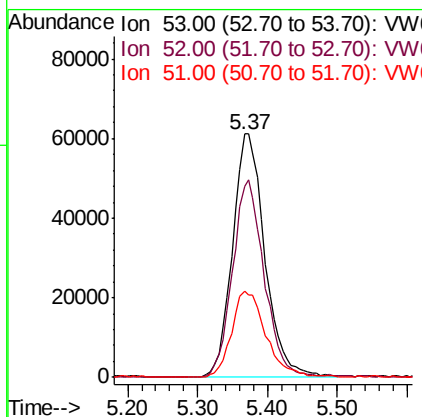
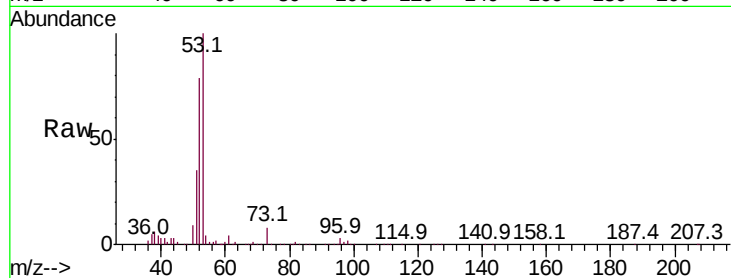
ClientSampleId :

VW0517SBS01

Tot Ion:	53	Resp:	196973
Ion	Ratio	Lower	Upper
53	100		
52	79.2	63.9	95.9
51	37.2	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 109.633 ug/l

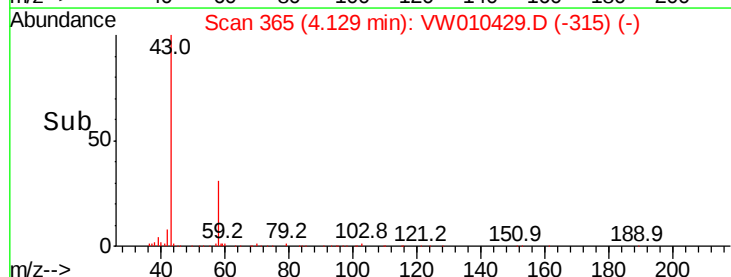
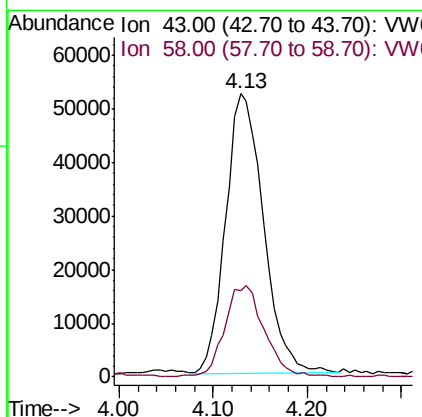
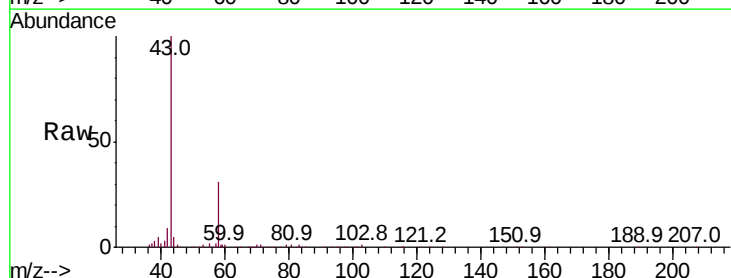
RT: 4.13 min Scan# 365

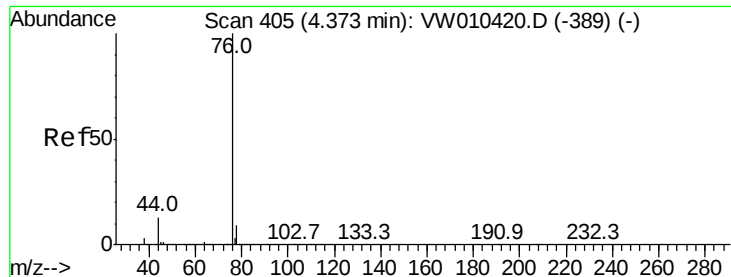
Delta R.T. 0.01 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Tgt Ion:	43	Resp:	146049
Ion	Ratio	Lower	Upper
43	100		
58	30.6	26.0	39.0





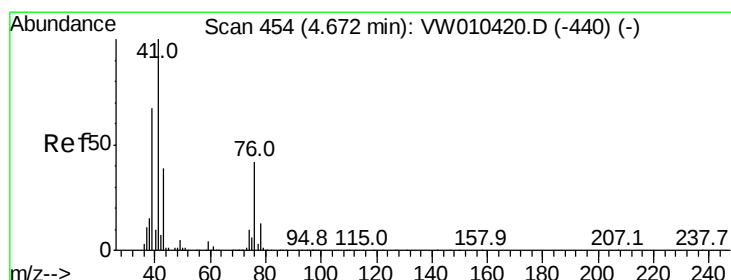
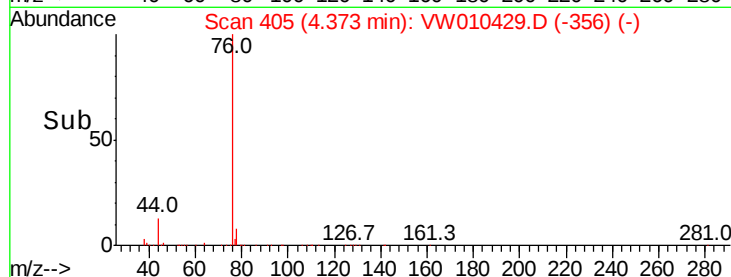
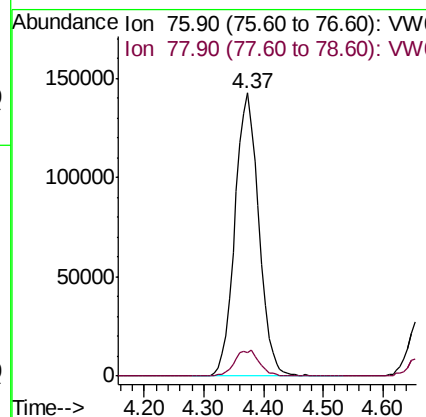
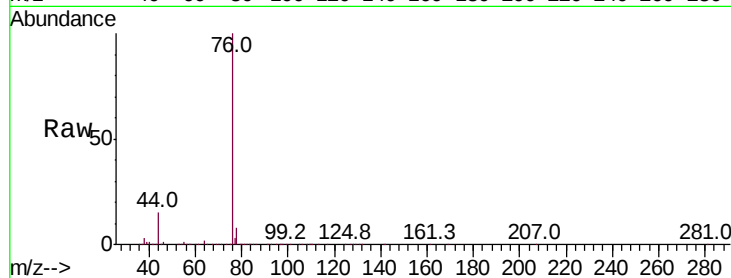
#17
Carbon Disulfide
Concen: 20.256 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

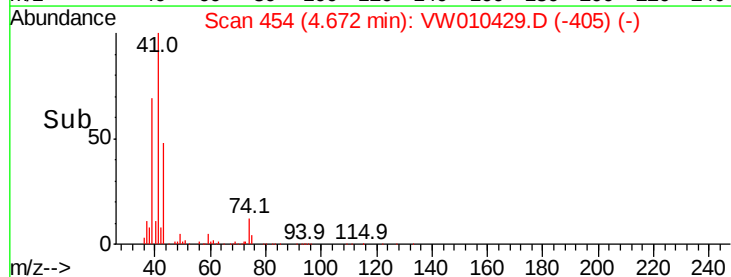
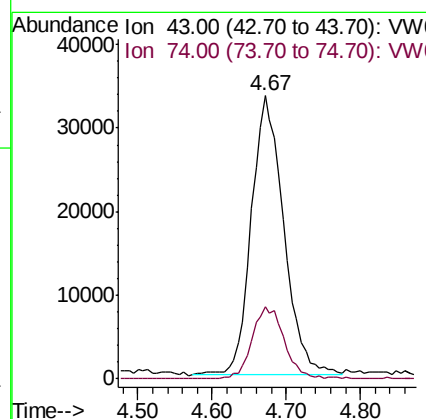
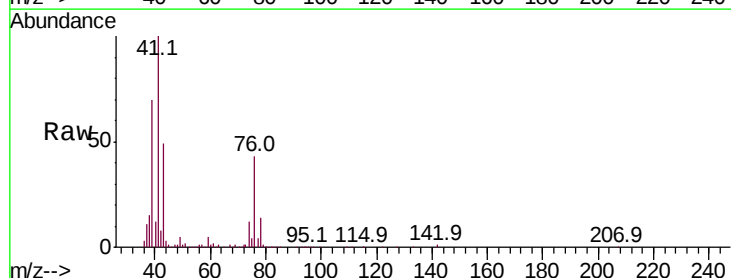
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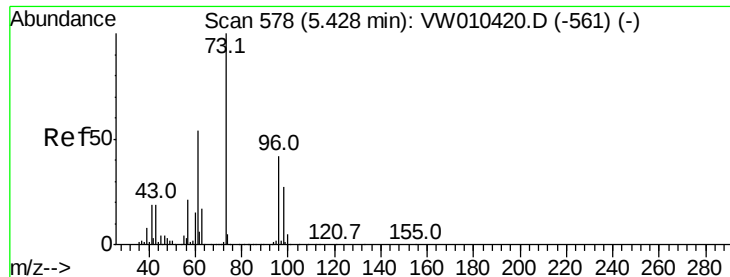
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#18
Methyl Acetate
Concen: 24.212 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	21.2	31.8





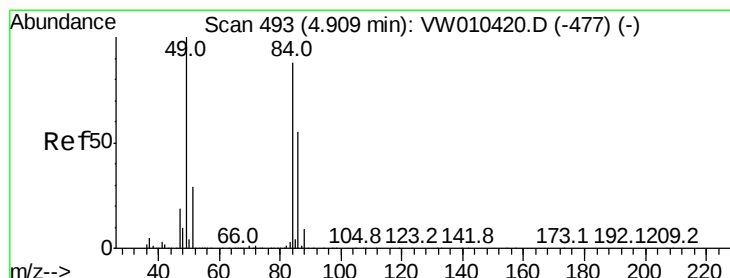
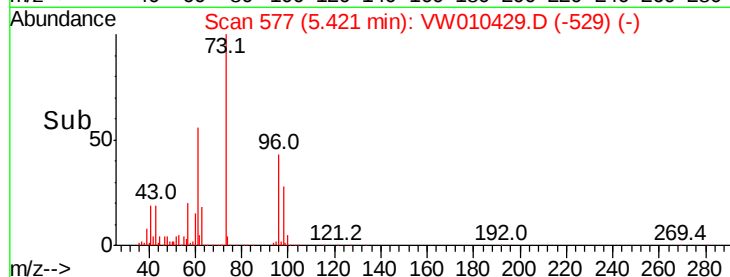
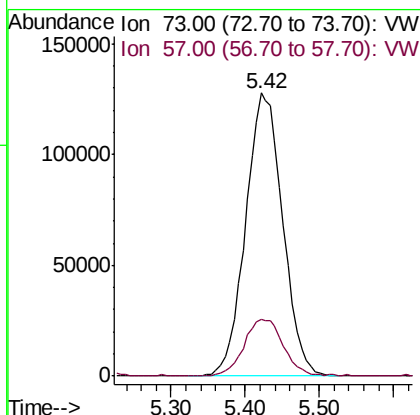
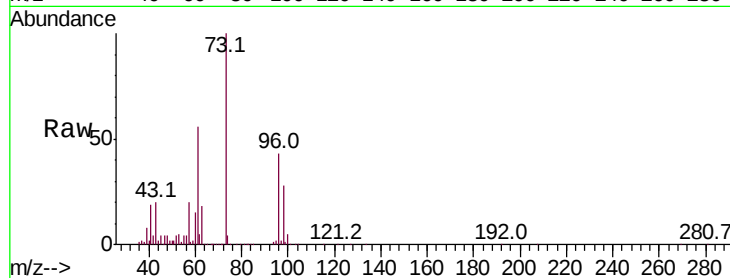
#19
Methvl tert-butvl Ether
Concen: 22.544 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBSD01

Tot Ion: 73 Resp: 444678
Ion Ratio Lower Upper
73 100
57 19.8 17.0 25.4

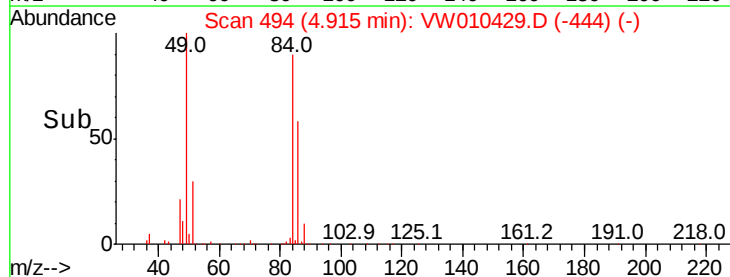
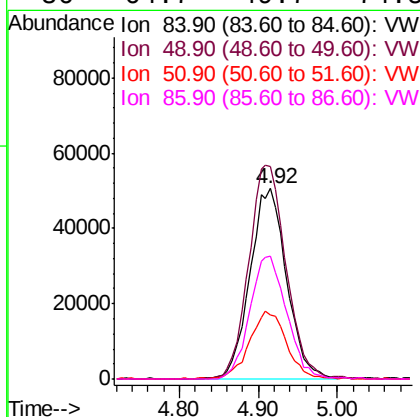
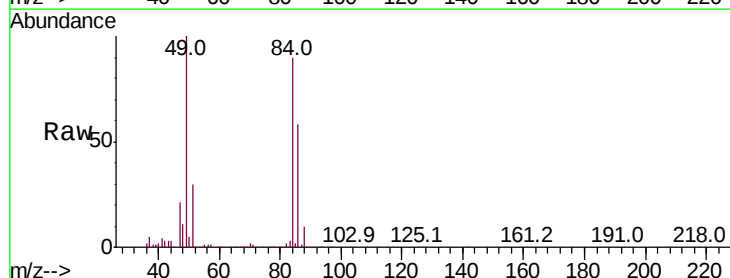
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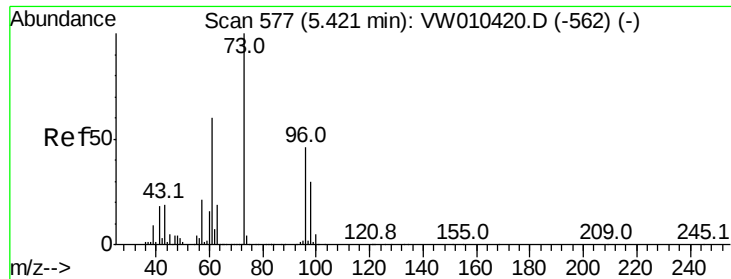
MMDadoda
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#20
Methylene Chloride
Concen: 21.091 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion: 84 Resp: 162879
Ion Ratio Lower Upper
84 100
49 111.3 90.6 135.8
51 33.6 26.6 40.0
86 64.7 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 21.476 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBSD01

Tot Ion: 96 Resp: 172255

Ion Ratio Lower Upper

96 100

61 124.5 103.9 155.9

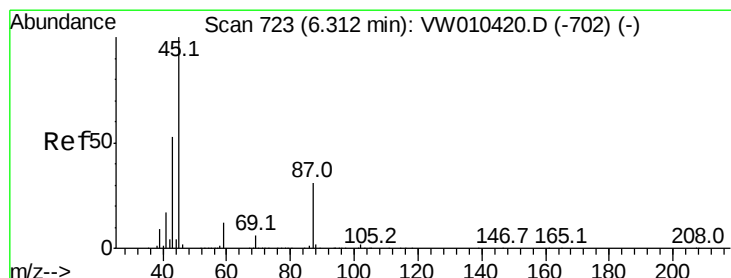
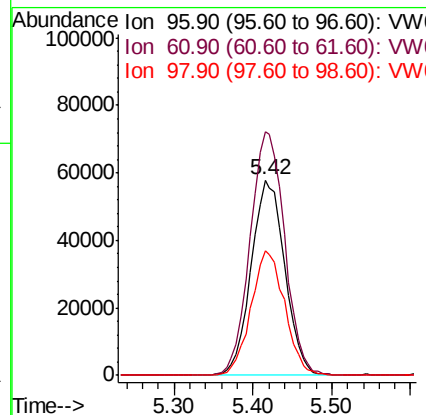
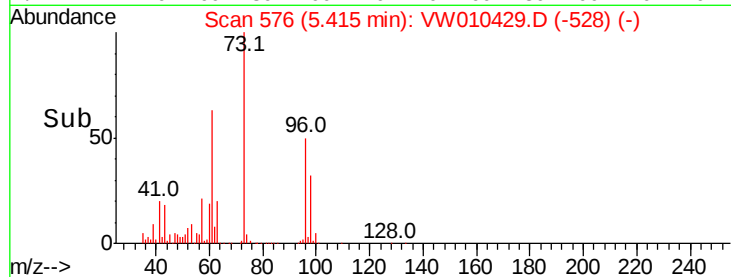
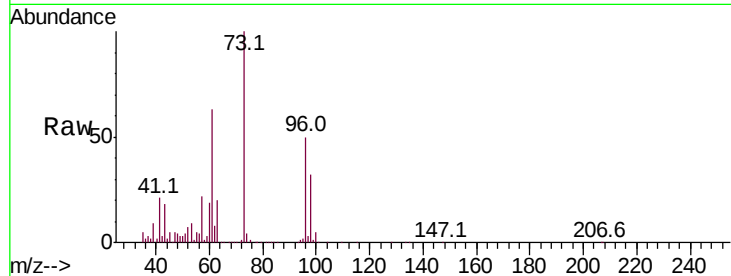
98 63.6 51.5 77.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.732 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Tgt Ion: 45 Resp: 494778

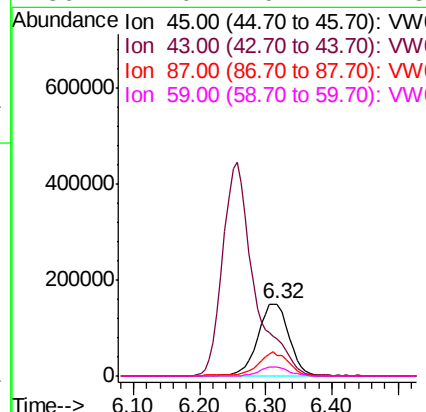
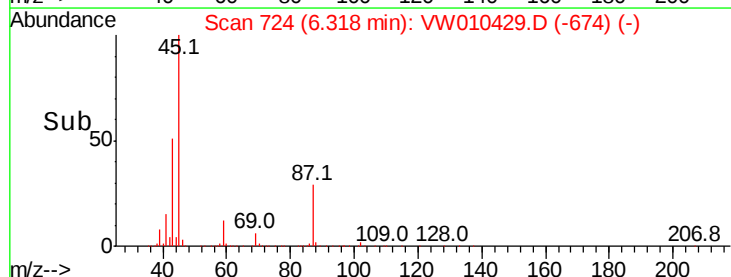
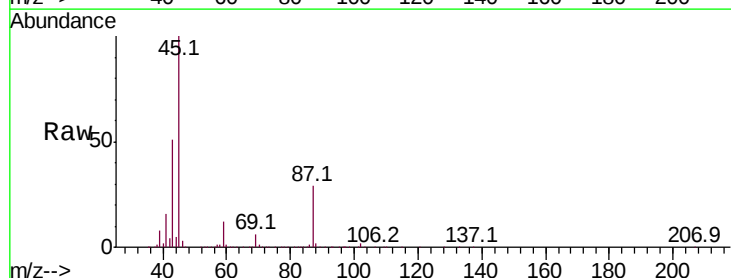
Ion Ratio Lower Upper

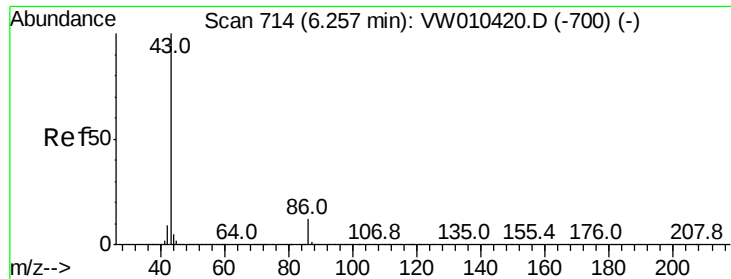
45 100

43 50.7 42.0 63.0

87 29.1 25.0 37.6

59 12.0 9.7 14.5





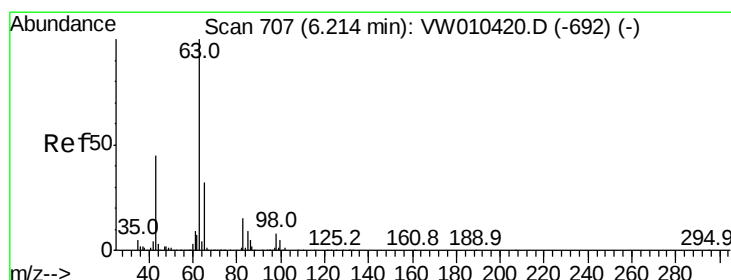
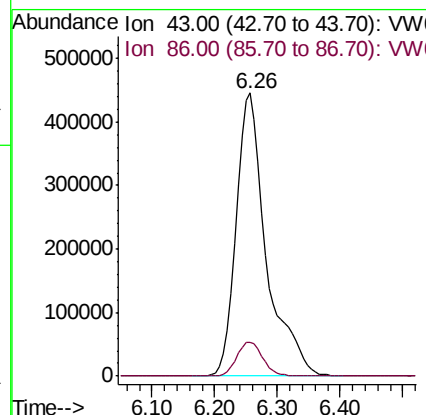
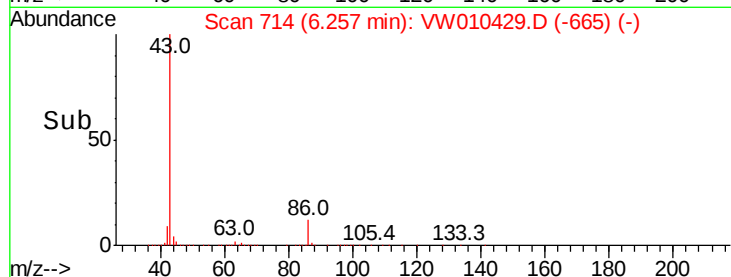
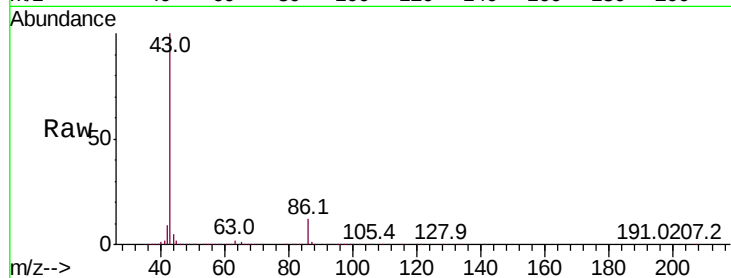
#23
 Vinyl Acetate
 Concen: 103.921 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW010429.D
 Acq: 18 May 2019 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion: 43 Resp: 1475925
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.7 14.5

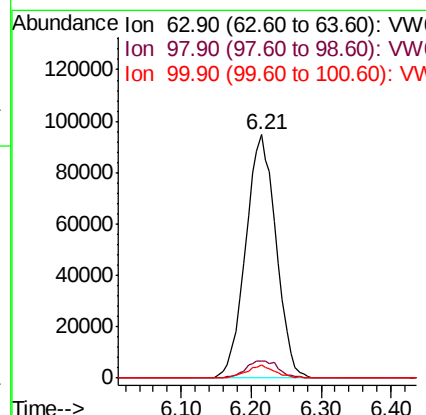
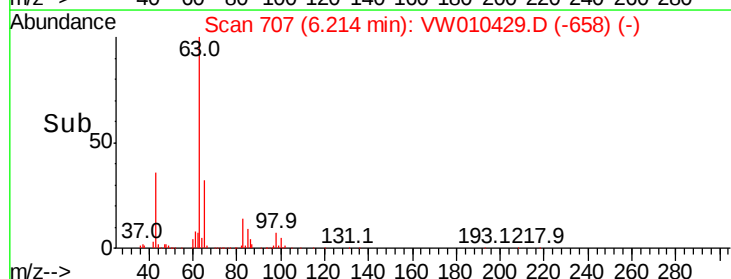
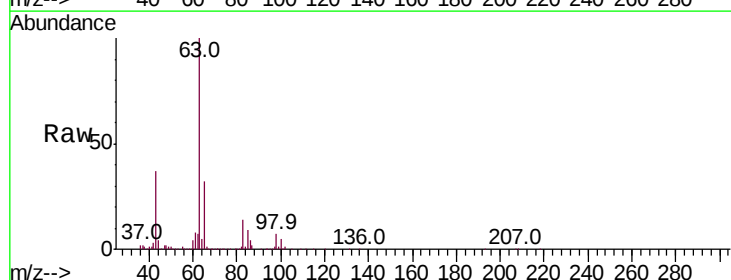
Manual Integrations
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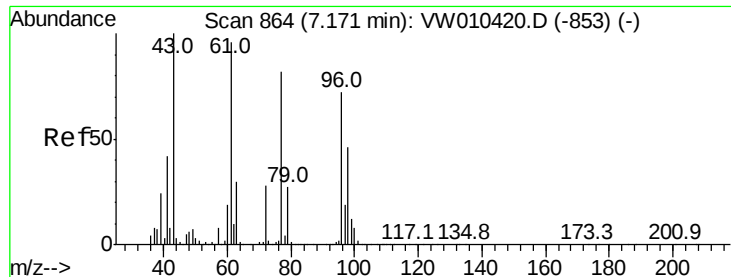
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 21.630 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW010429.D
 Acq: 18 May 2019 00:31

Tgt Ion: 63 Resp: 285100
 Ion Ratio Lower Upper
 63 100
 98 7.2 4.0 12.0
 100 5.4 2.4 7.2





#25

2-Butanone

Concen: 114.837 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 43 Resp: 260780

Ion Ratio Lower Upper

43 100

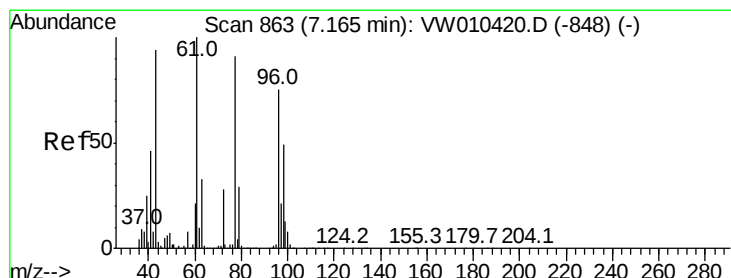
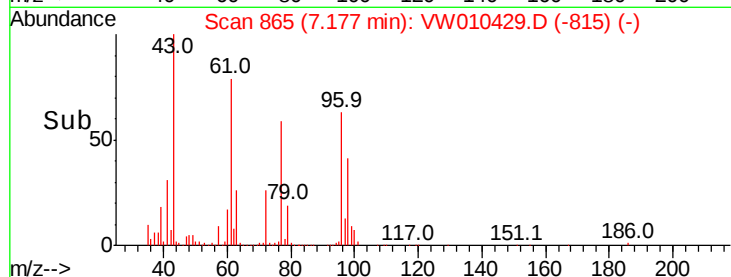
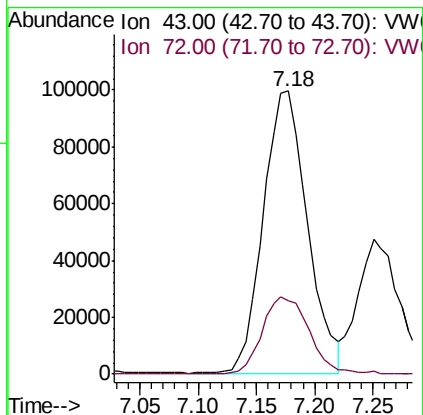
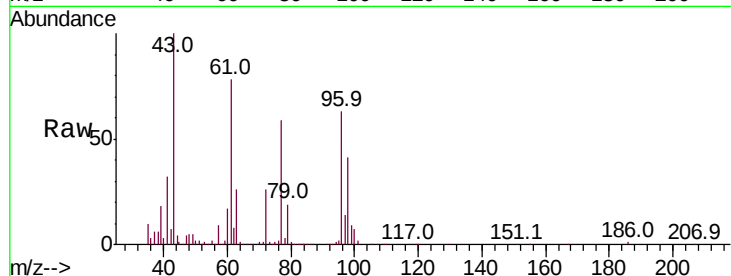
72 25.9 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.640 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010429.D

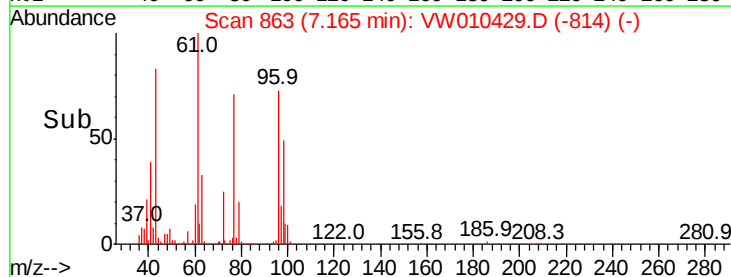
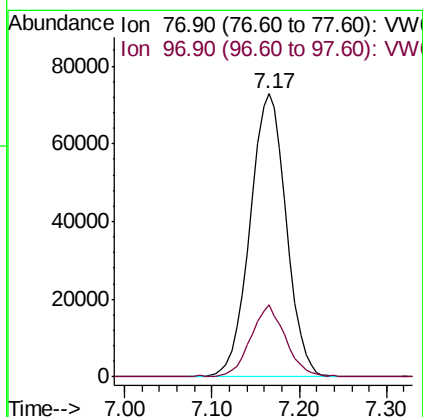
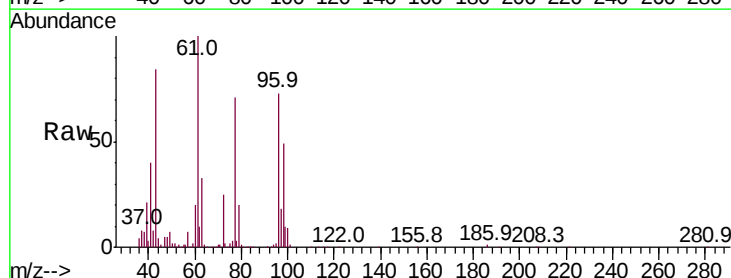
Acq: 18 May 2019 00:31

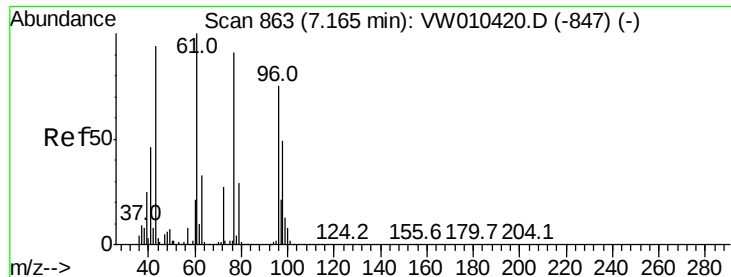
Tgt Ion: 77 Resp: 209816

Ion Ratio Lower Upper

77 100

97 24.6 11.7 35.1





#27

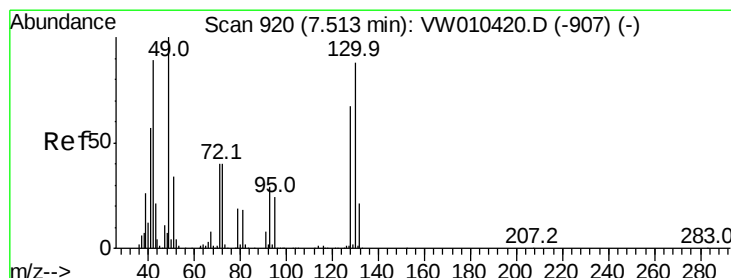
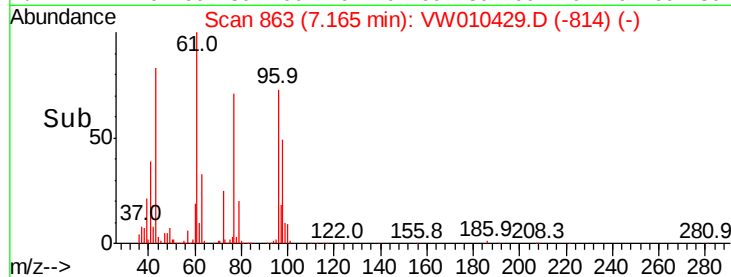
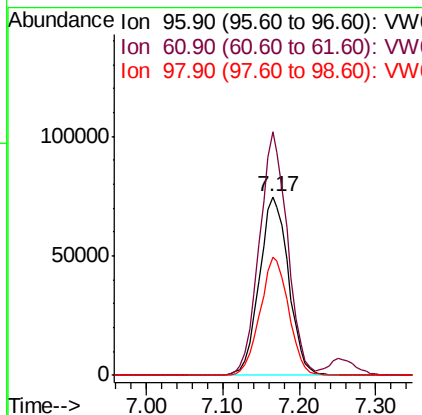
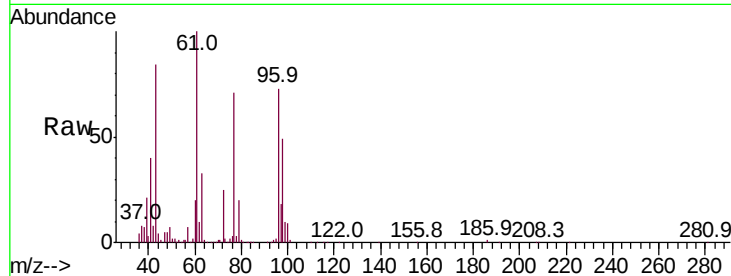
cis-1,2-Dichloroethene
Concen: 22.085 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	198653		
61	131.2	0.0	266.4	
98	65.1	0.0	129.6	

Manual Integrations
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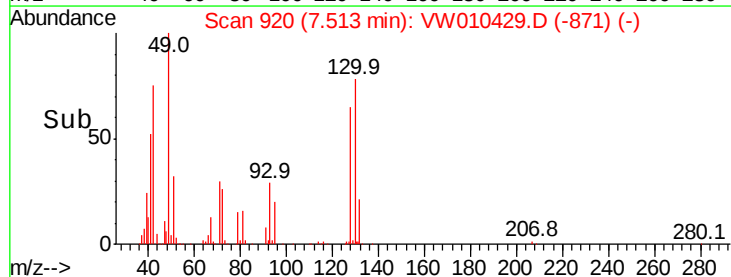
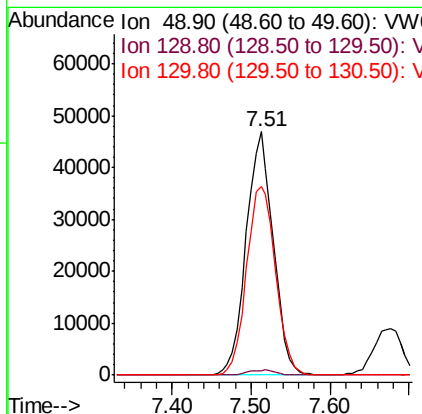
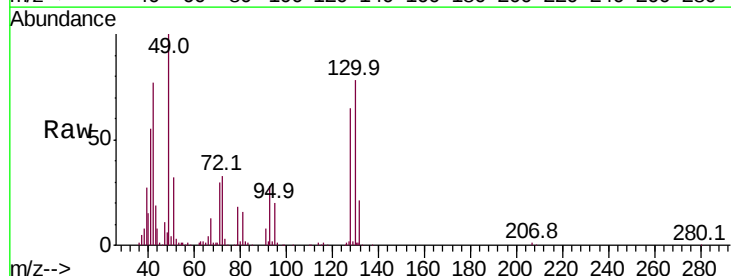
MMDadoda
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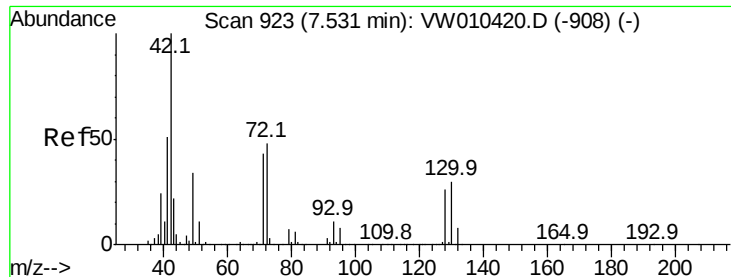


#28

Bromochloromethane
Concen: 22.619 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112011		
129	2.4	0.0	4.6	
130	82.8	68.2	102.4	





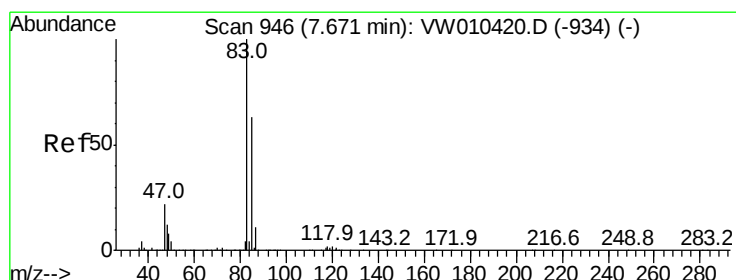
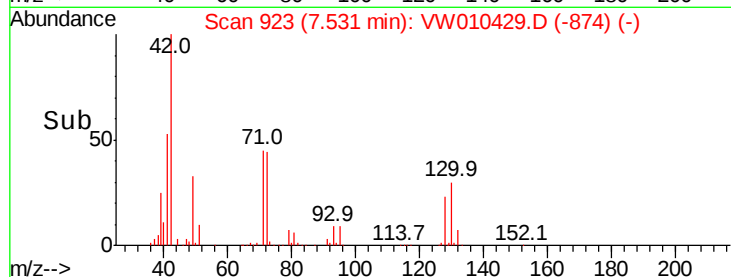
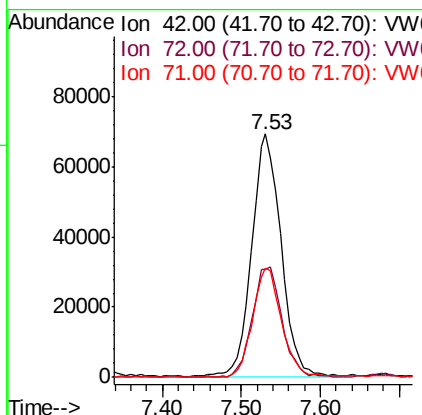
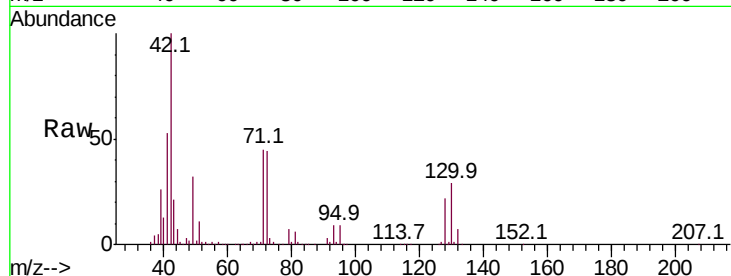
#29
Tetrahydrofuran
Concen: 115.654 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	38.2	57.2
71	44.0	36.0	54.0

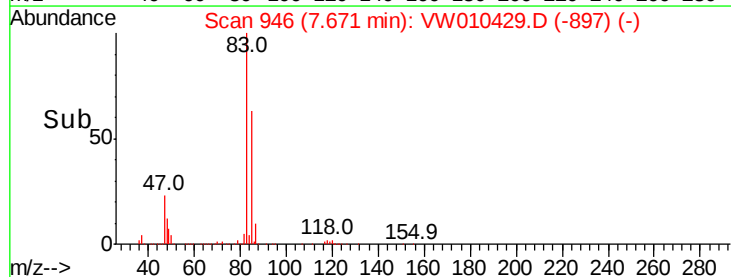
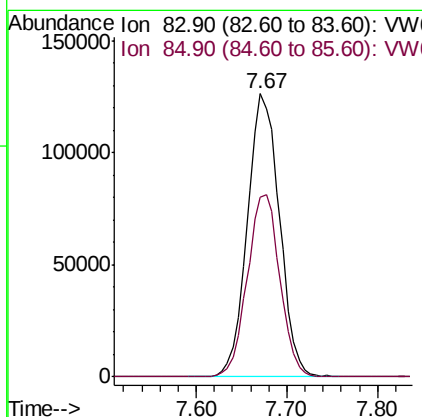
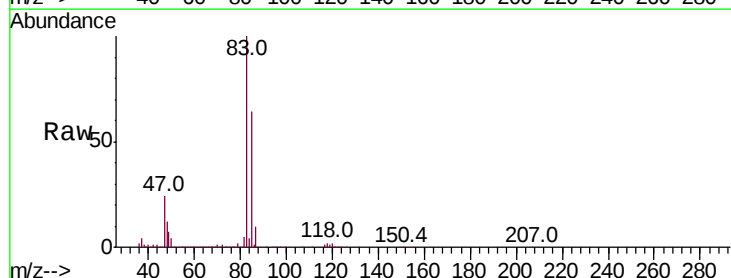
Manual Integrations
APPROVED

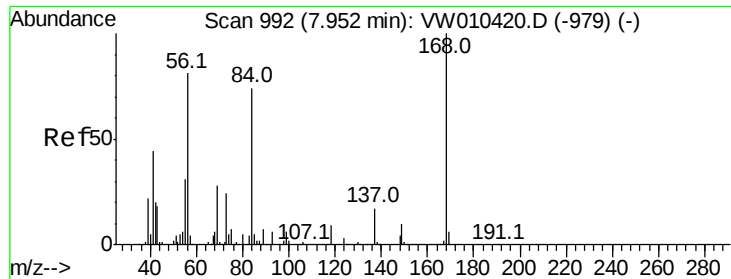
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#30
Chloroform
Concen: 22.359 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2





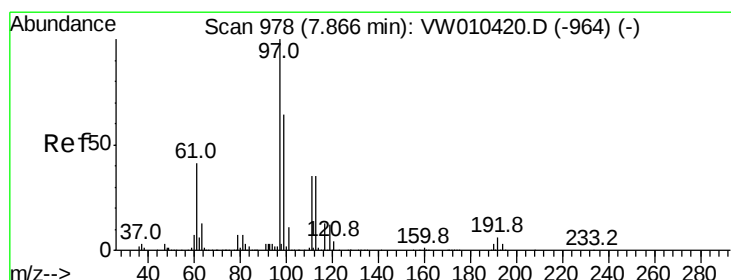
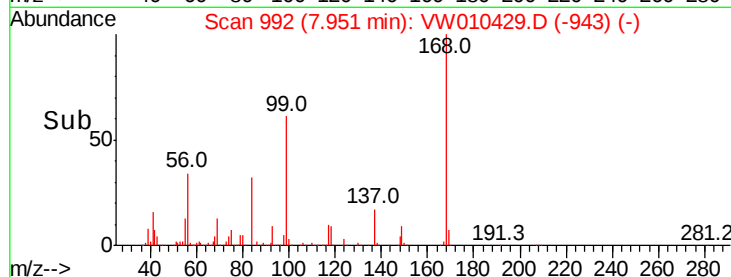
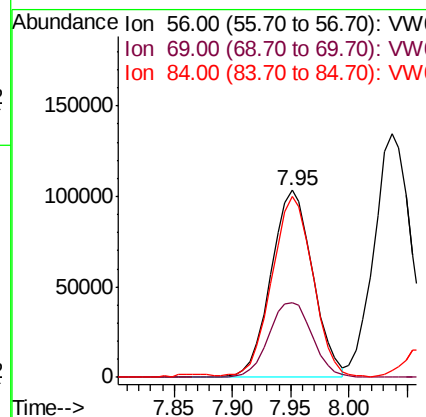
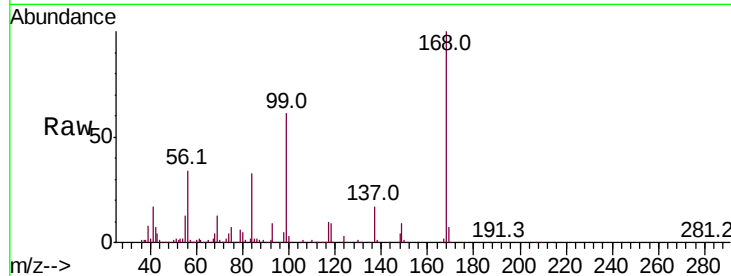
#31
Cvclohexane
Concen: 19.711 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampled :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.7	27.6	41.4
84	95.1	72.9	109.3

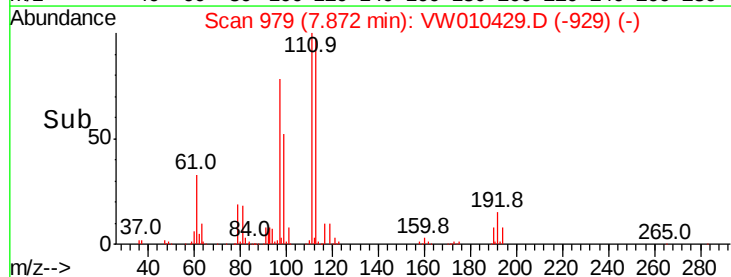
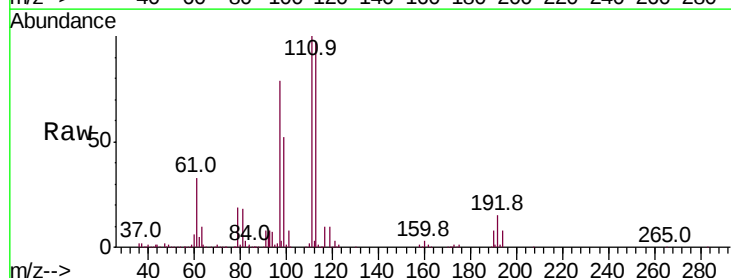
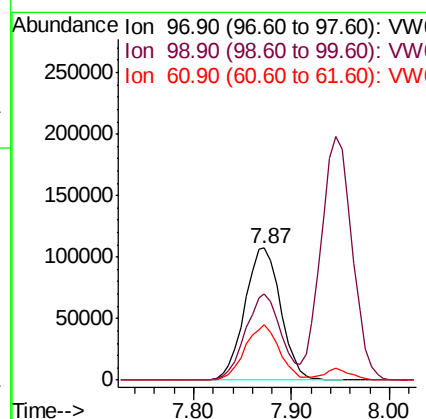
Manual Integrations
APPROVED

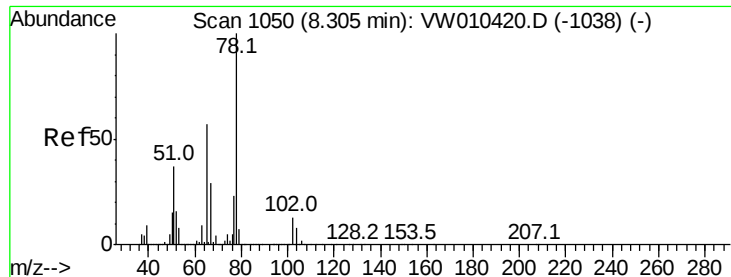
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.906 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.2
61	40.6	32.0	48.0





#33

1,2-Dichloroethane-d4

Concen: 56.079 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 65 Resp: 424105

Ion Ratio Lower Upper

65 100

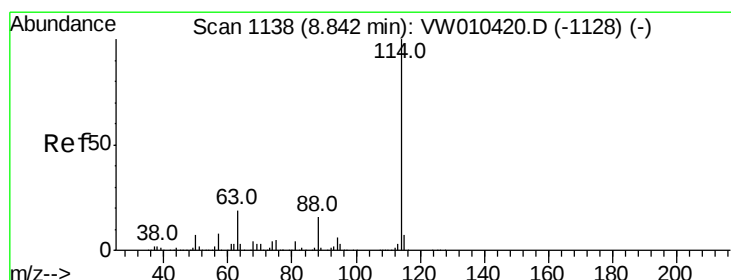
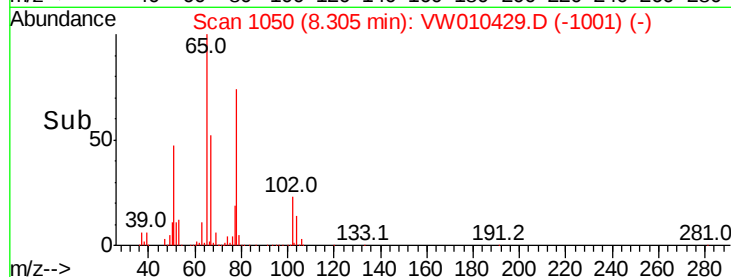
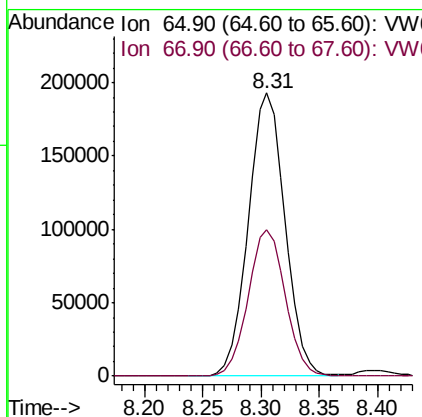
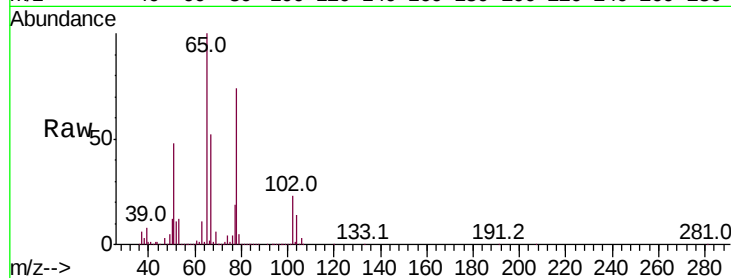
67 52.1 0.0 104.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

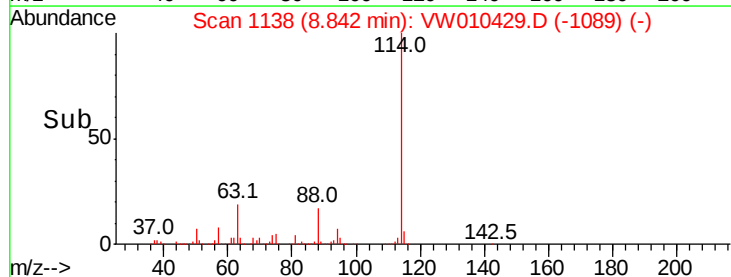
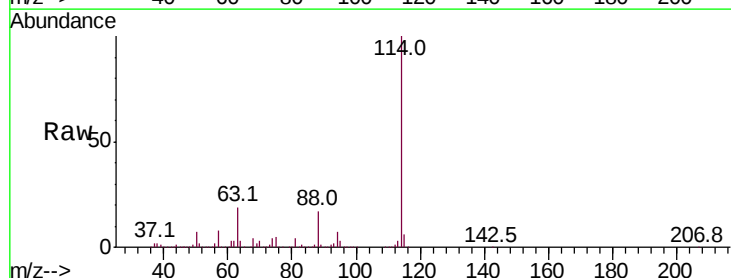
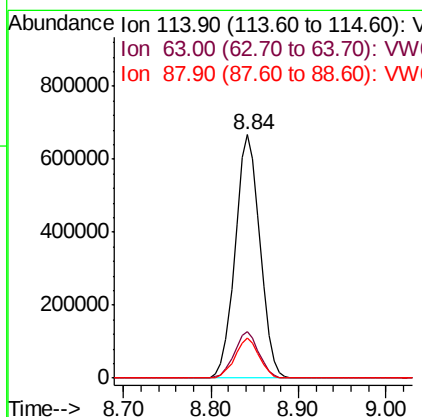
Tgt Ion: 114 Resp: 1313647

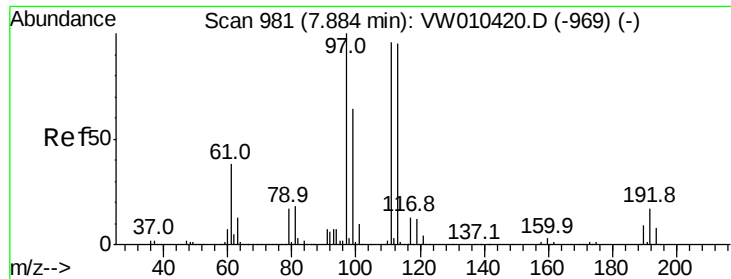
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

88 16.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.483 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

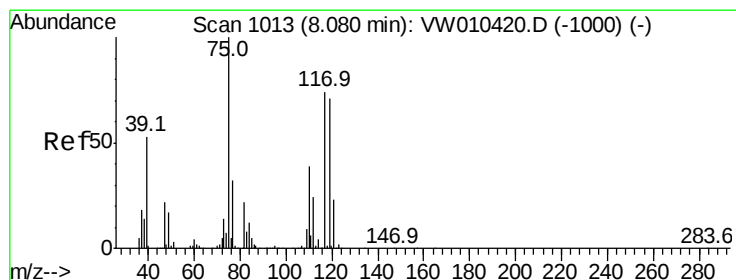
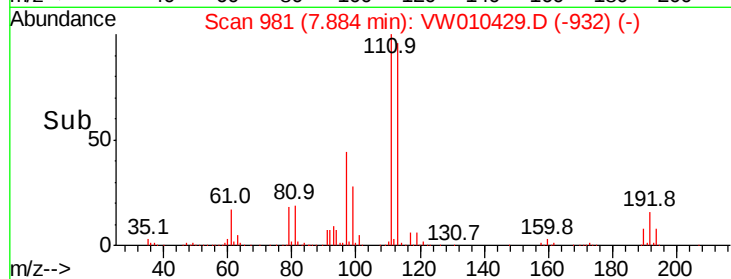
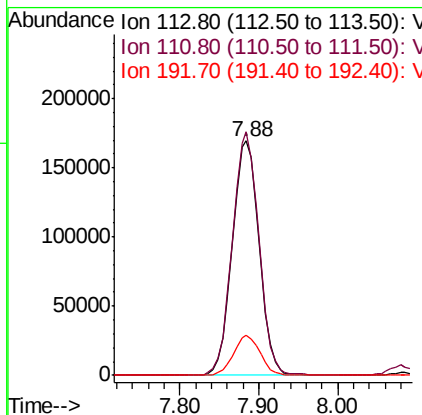
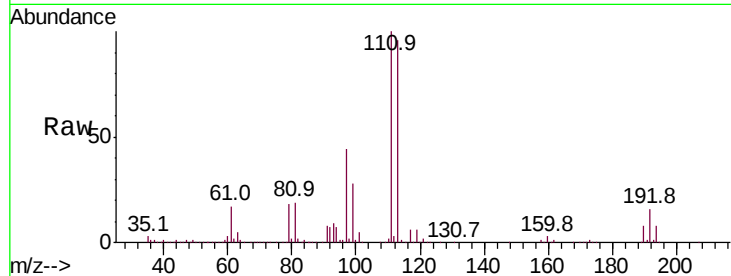
ClientSampleId :

VW0517SBS01

Tot Ion:	113	Resp:	401476
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.5	123.7
192	17.0	14.2	21.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.211 ug/l

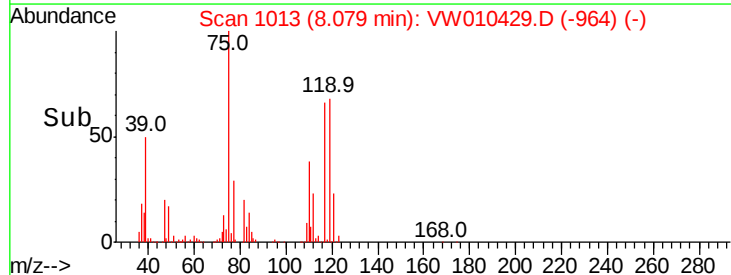
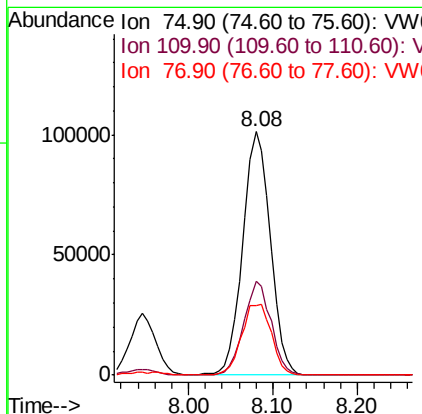
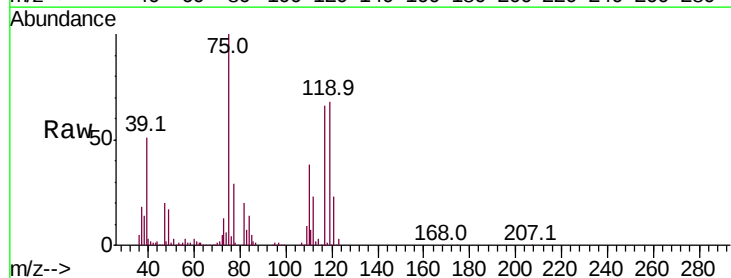
RT: 8.08 min Scan# 1013

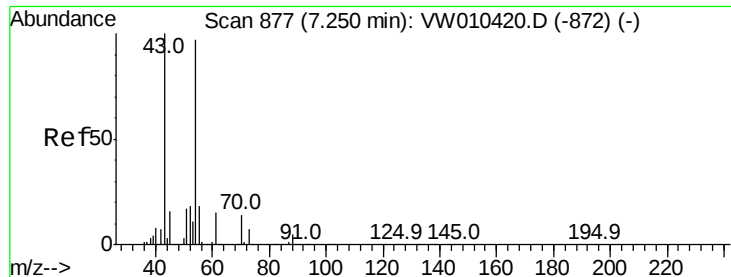
Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Tgt Ion:	75	Resp:	223418
Ion Ratio	Lower	Upper	
75	100		
110	37.9	19.4	58.1
77	31.4	24.7	37.1





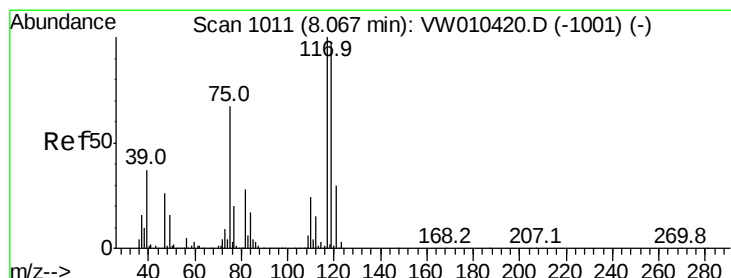
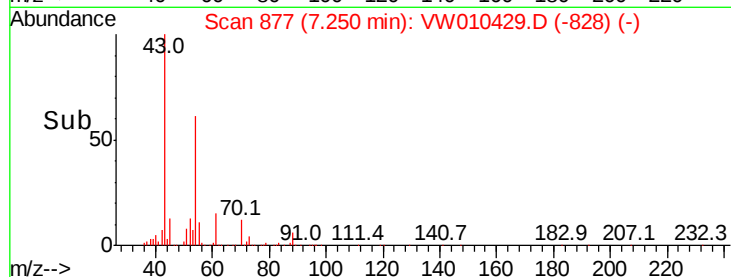
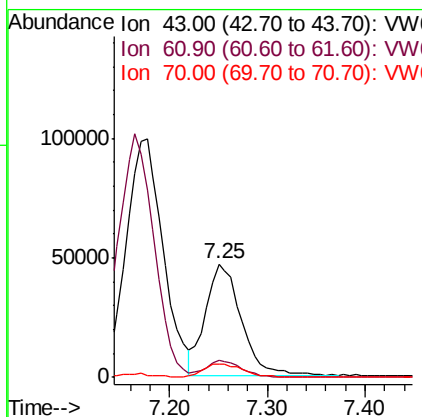
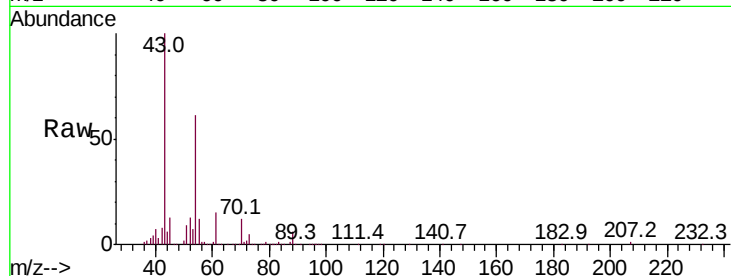
#37
Ethyl Acetate
Concen: 21.211 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	12.7	9.4	14.0

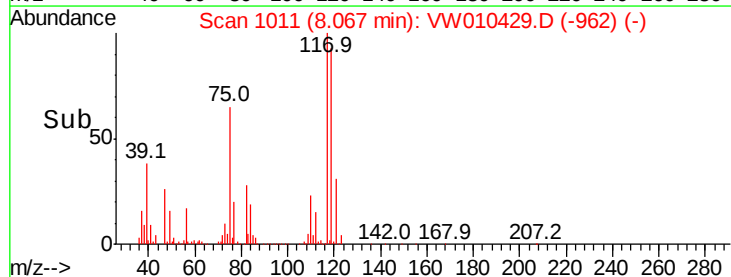
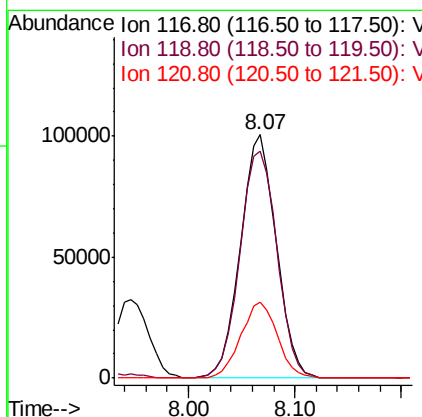
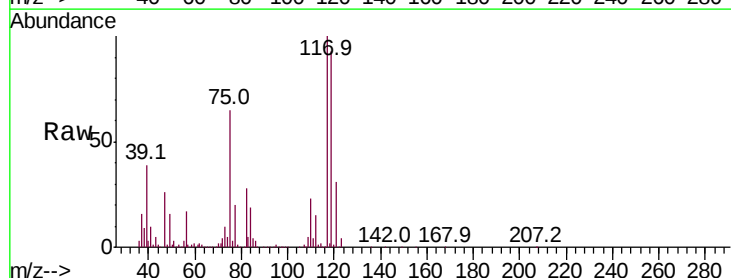
Manual Integrations
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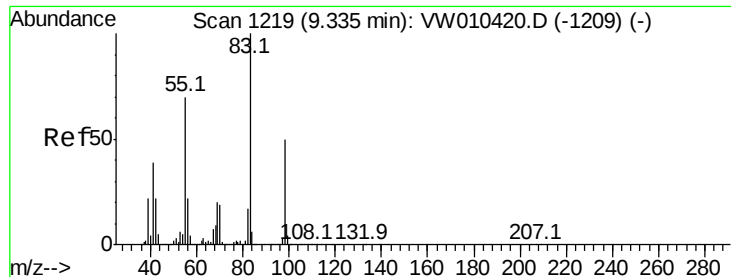
MMDadoda
5/20/2019 12:15:28 PM



#38
Carbon Tetrachloride
Concen: 18.975 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.8	116.6
121	31.3	24.2	36.2





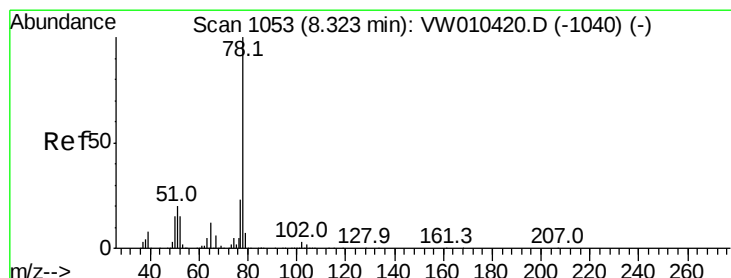
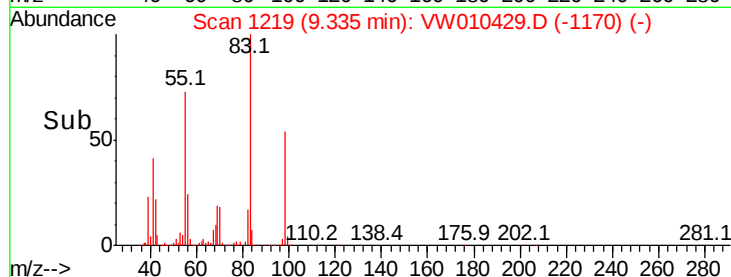
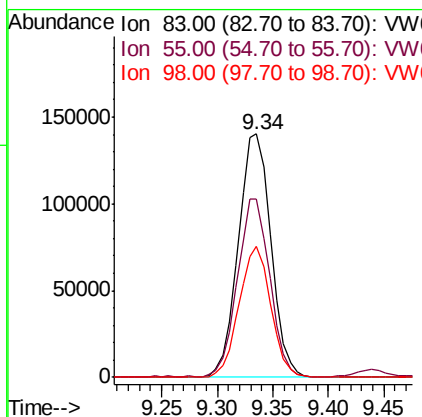
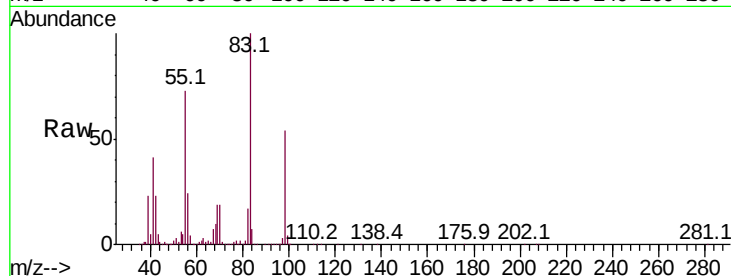
#39
Methvlcvclohexane
Concen: 18.345 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	55.7	83.5
98	53.9	40.2	60.4

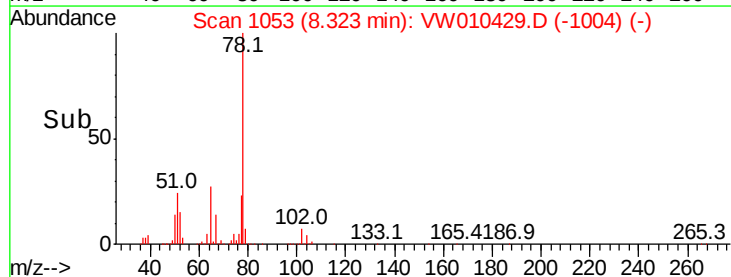
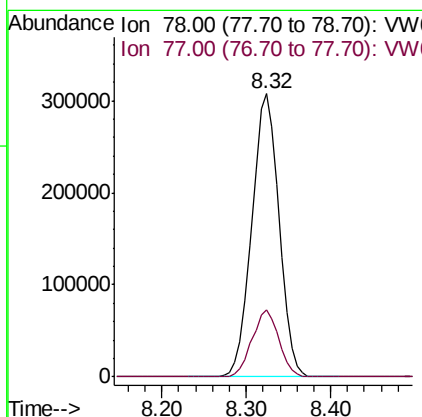
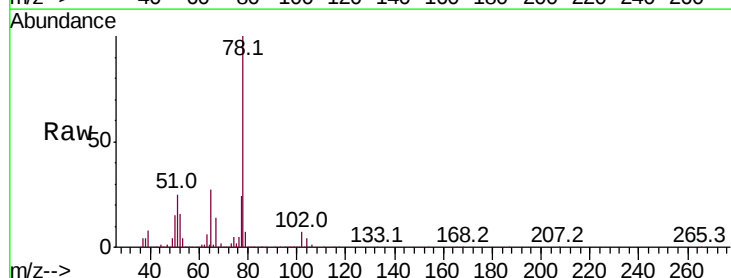
Manual Integrations
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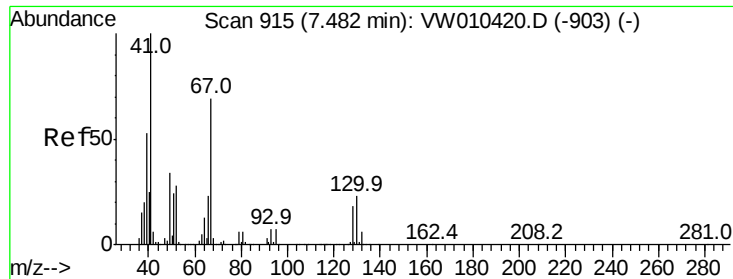
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#40
Benzene
Concen: 20.322 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





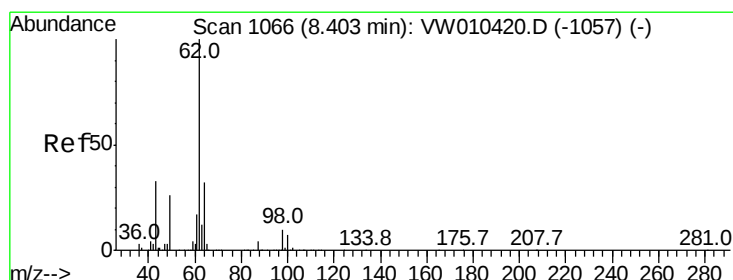
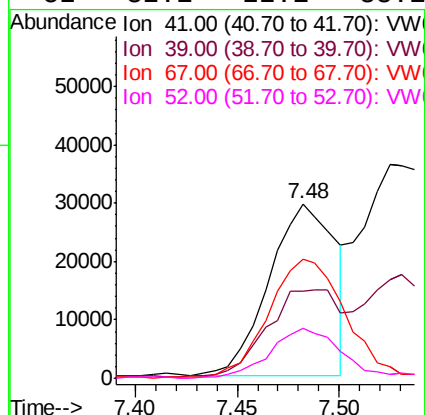
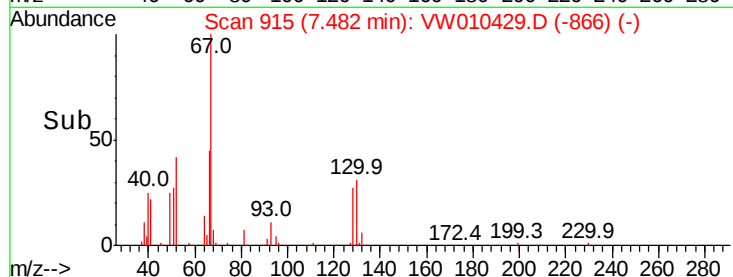
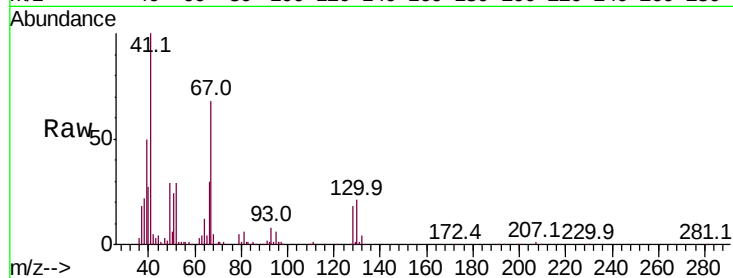
#41
Methacrylonitrile
Concen: 19.854 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.0	38.1	57.1#
67	79.3	55.5	83.3
52	32.1	22.1	33.1

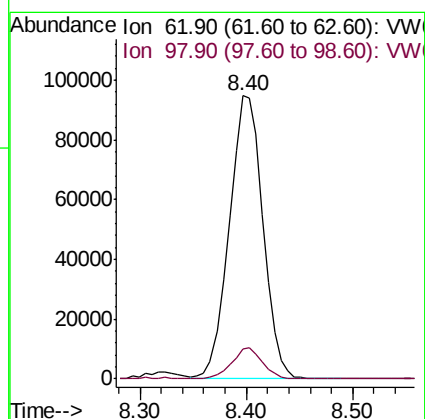
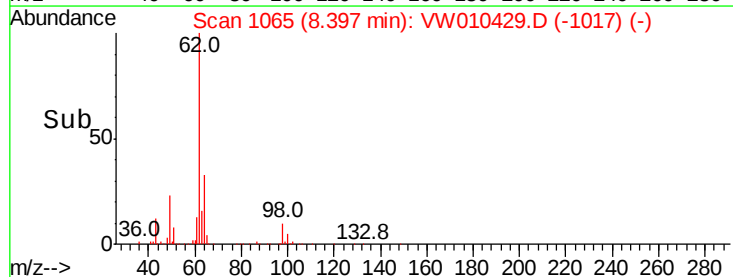
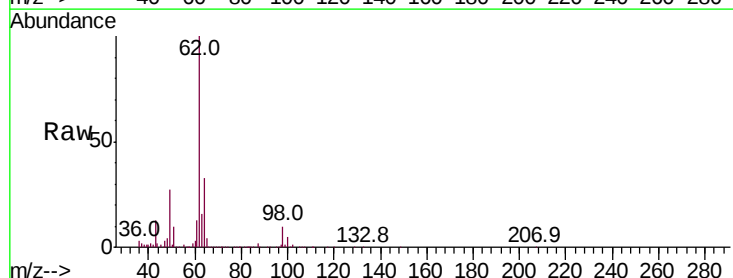
Manual Integrations
APPROVED

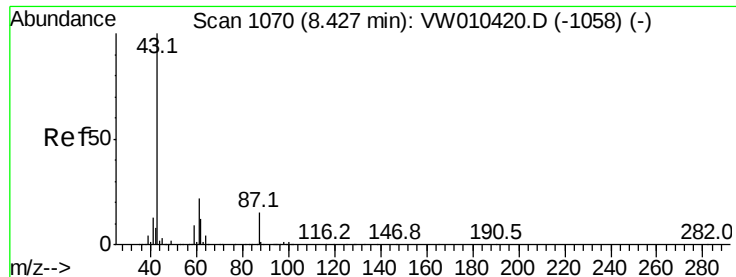
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.245 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

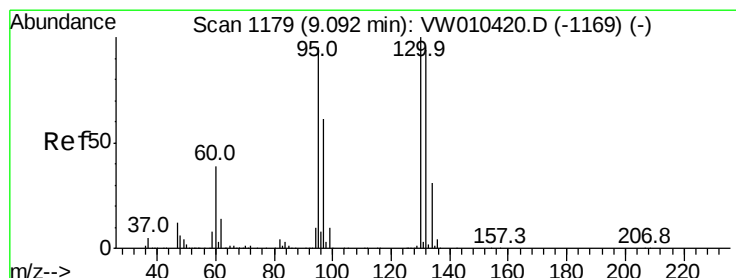
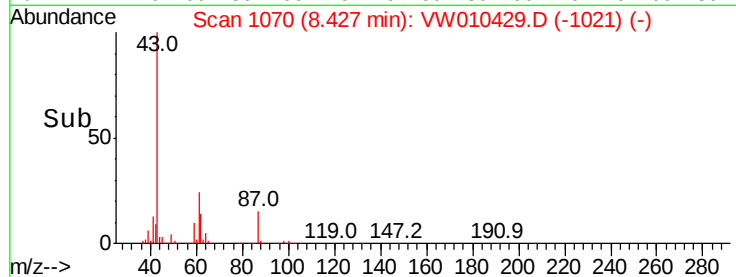
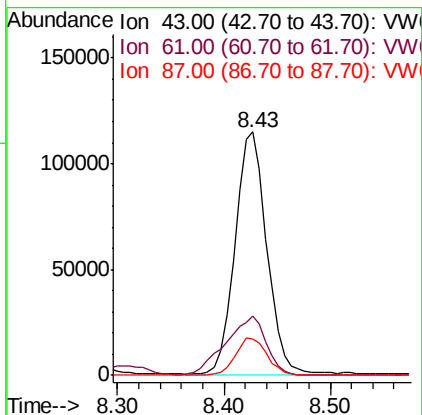
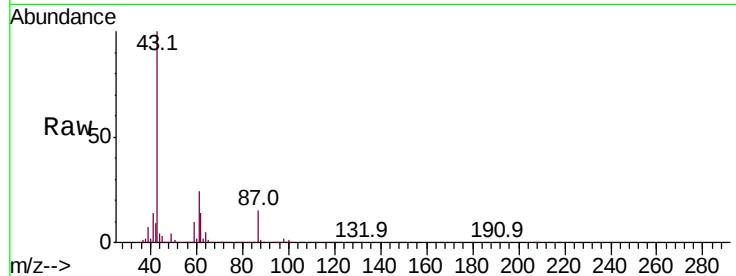
Isopropyl Acetate
 Concen: 21.083 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. -0.00 min
 Lab File: VW010429.D
 Acq: 18 May 2019 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.4	36.6
87	15.4	11.8	17.8

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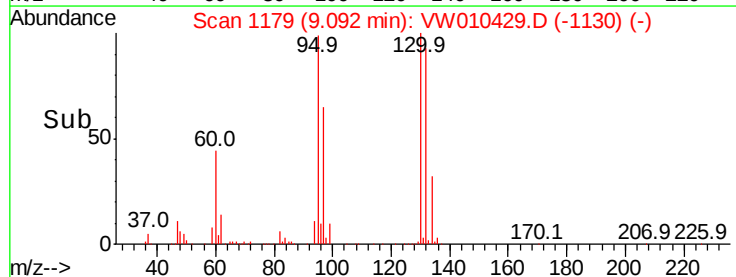
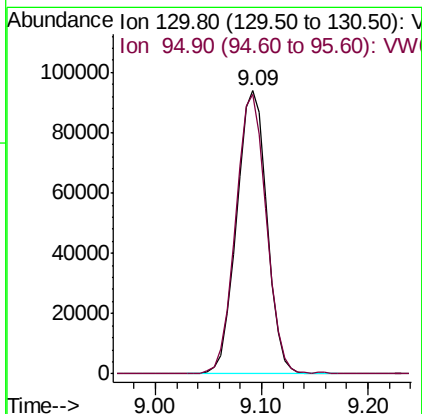
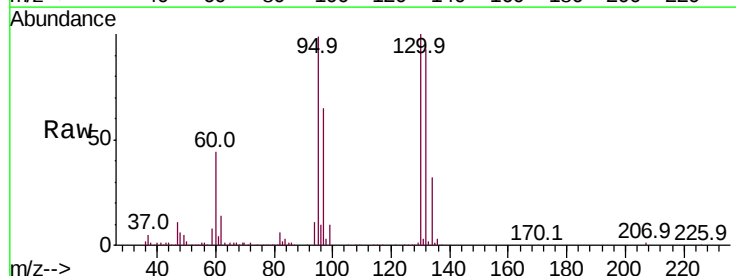
MMDadoda
 5/20/2019 12:15:28 PM

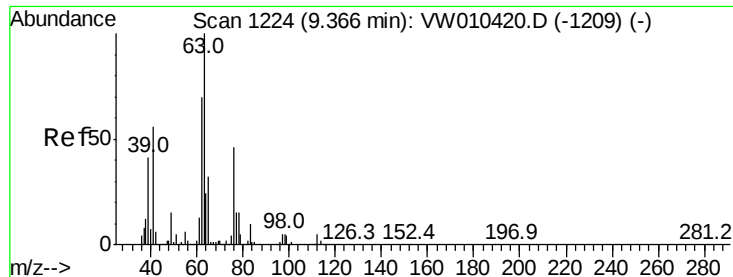


#44

Trichloroethene
 Concen: 19.752 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW010429.D
 Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	190.4





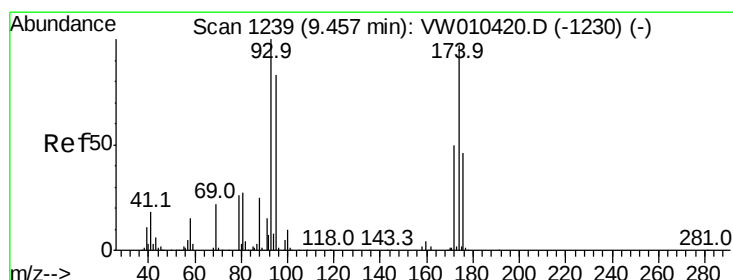
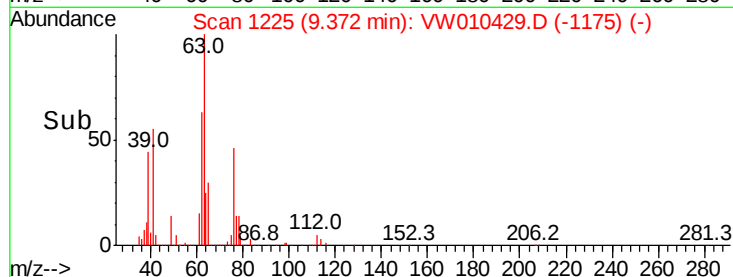
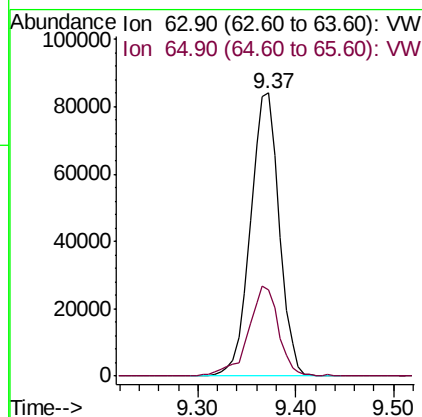
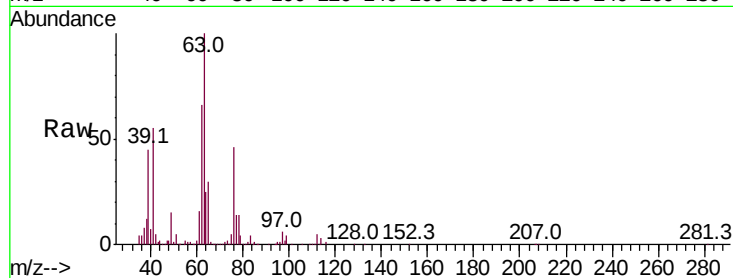
#45
1,2-Dichloropropane
Concen: 21.102 ug/l
RT: 9.37 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	171448		
65	30.3		25.4	38.2

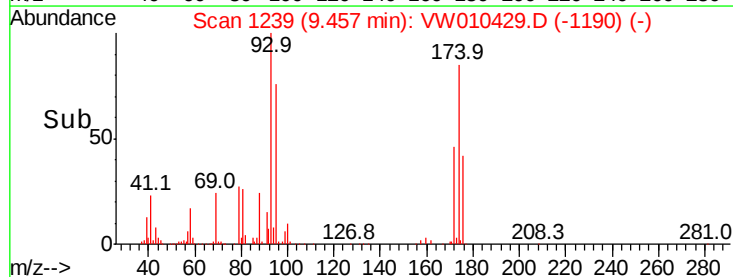
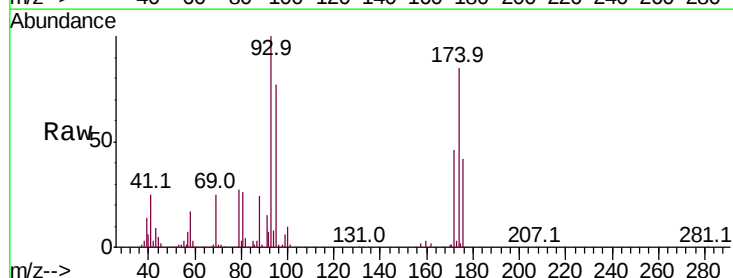
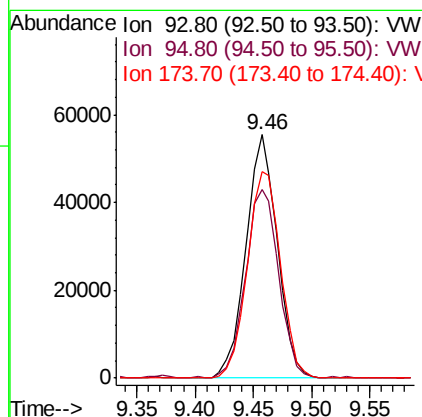
Manual Integrations
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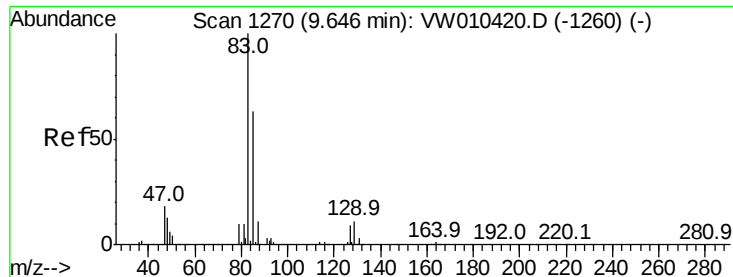
MMDadoda
5/20/2019 12:15:28 PM



#46
Dibromomethane
Concen: 21.687 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	104089		
95	82.0		66.6	100.0
174	89.8		76.4	114.6





#47

Bromodichloromethane

Concen: 20.785 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

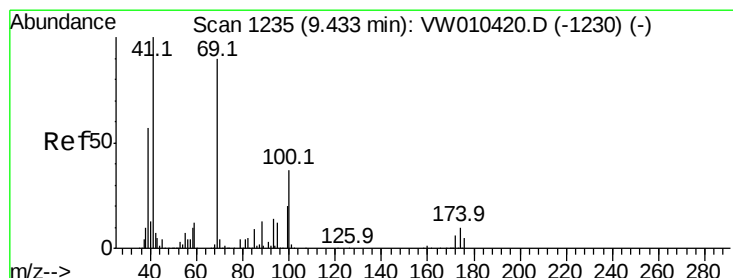
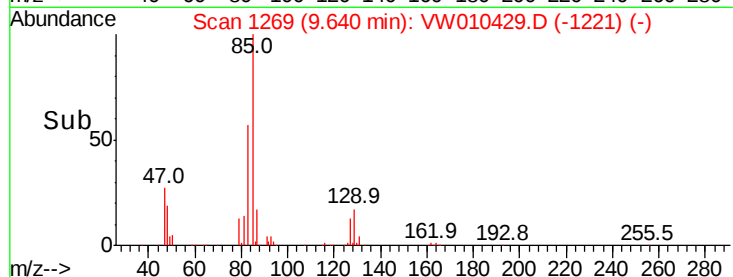
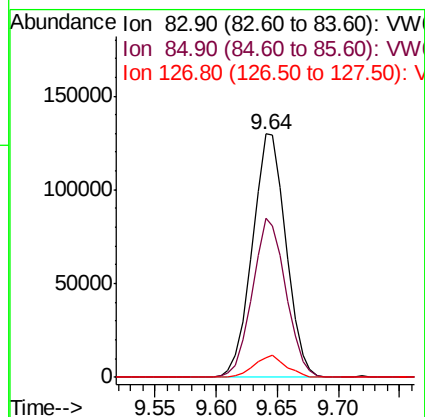
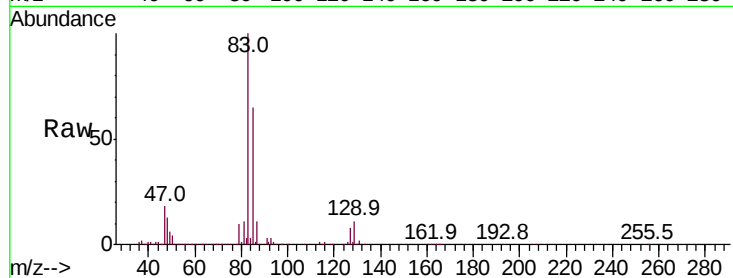
ClientSampled :

VW0517SBS01

Tot Ion:	83	Resp:	247888
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.0	75.0
127	8.3	7.3	10.9

Manual Integrations
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5/20/2019 12:15:28 PM



#48

Methyl methacrylate

Concen: 20.651 ug/l

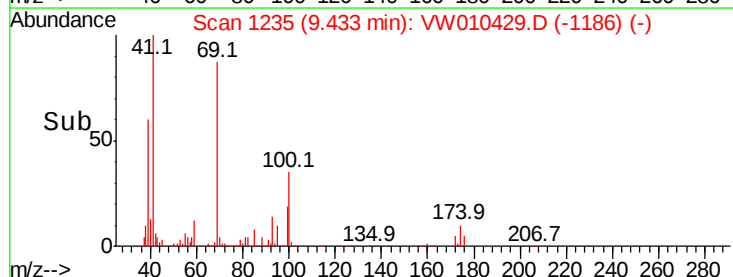
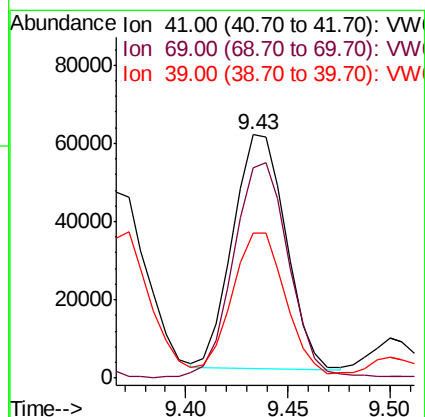
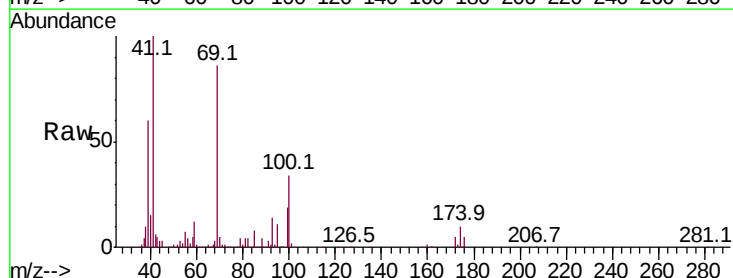
RT: 9.43 min Scan# 1235

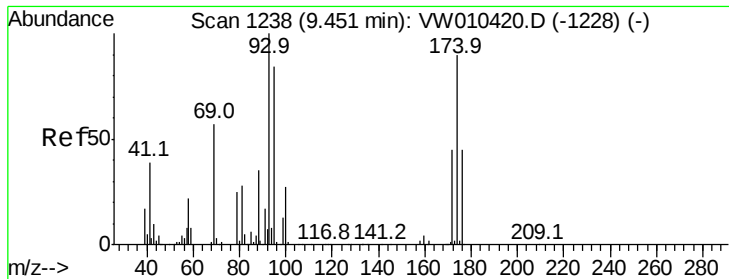
Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Tgt Ion:	41	Resp:	108130
Ion Ratio	Lower	Upper	
41	100		
69	95.9	75.2	112.8
39	63.6	46.8	70.2





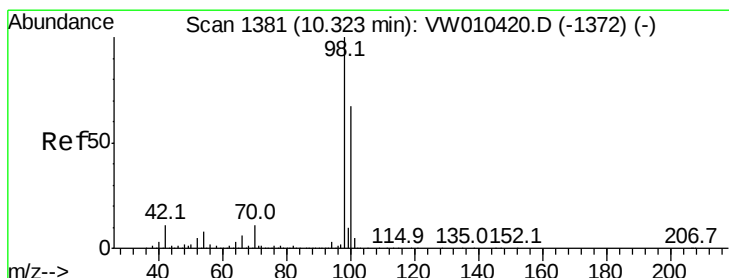
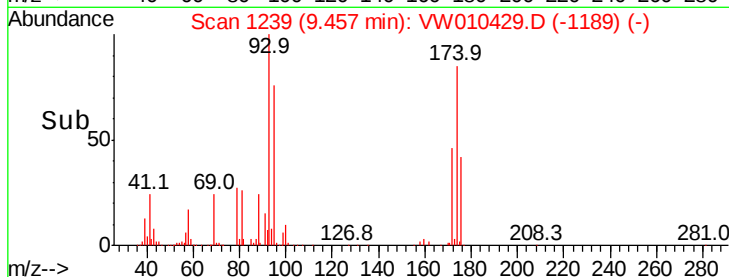
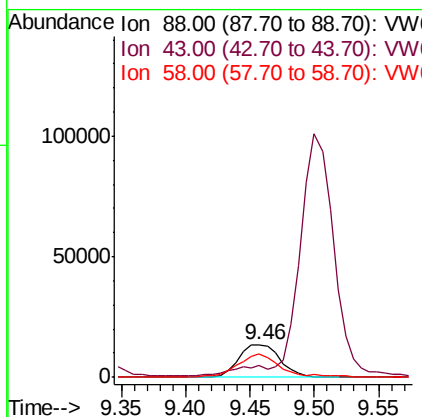
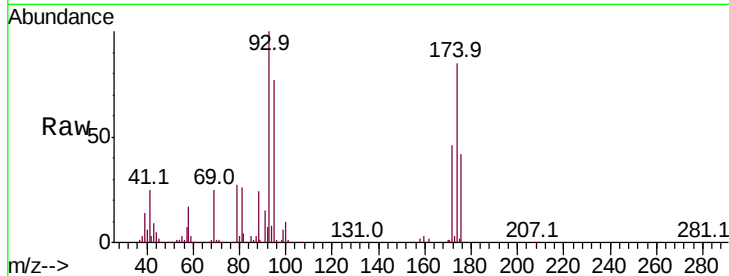
#49
 1,4-Dioxane
 Concen: 428.125 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW010429.D
 Acq: 18 May 2019 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.9	37.3#
58	74.8	55.0	82.6

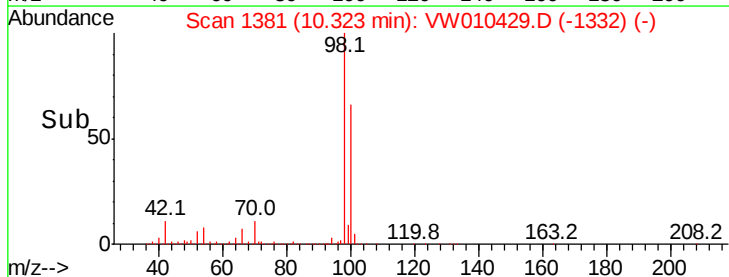
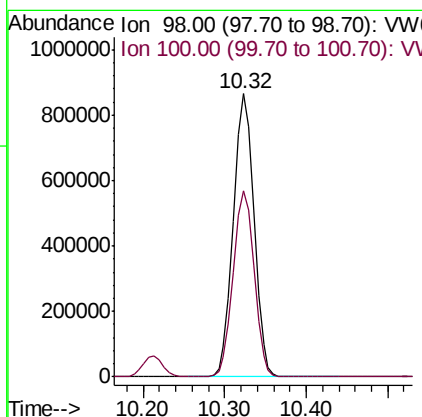
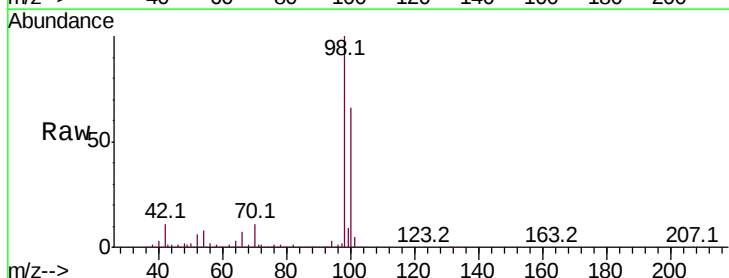
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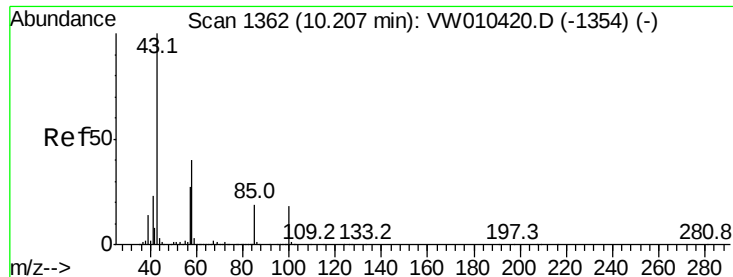
MMDadoda
 5/20/2019 12:15:28 PM



#50
 Toluene-d8
 Concen: 49.704 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW010429.D
 Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 104.927 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 43 Resp: 609883

Ion Ratio Lower Upper

43 100

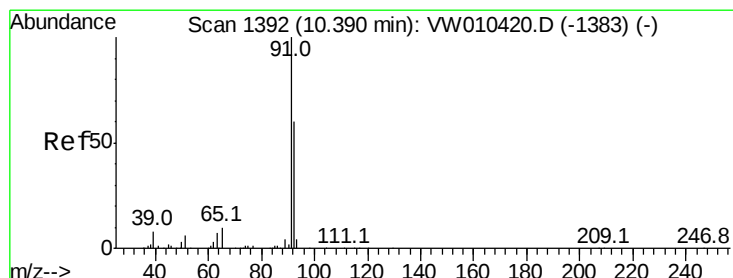
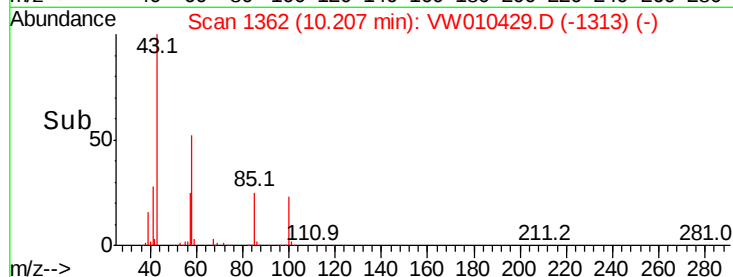
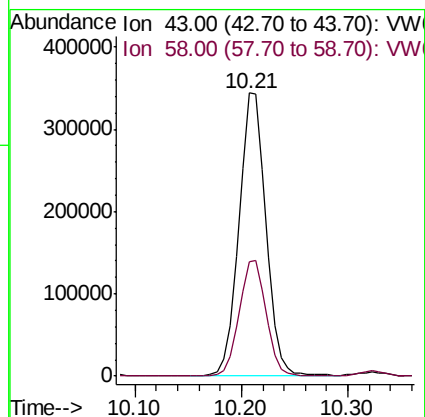
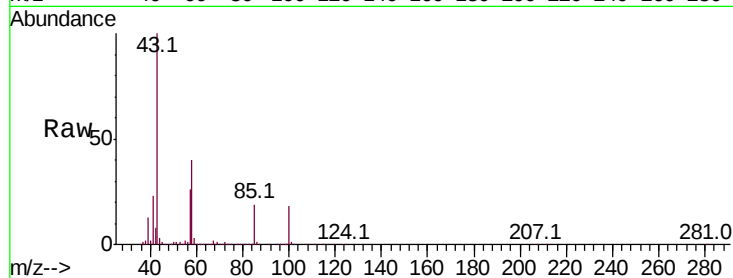
58 41.1 32.7 49.1

Manual Integrations

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#52

Toluene

Concen: 20.107 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010429.D

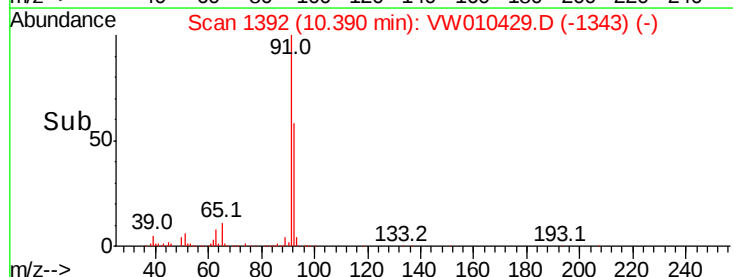
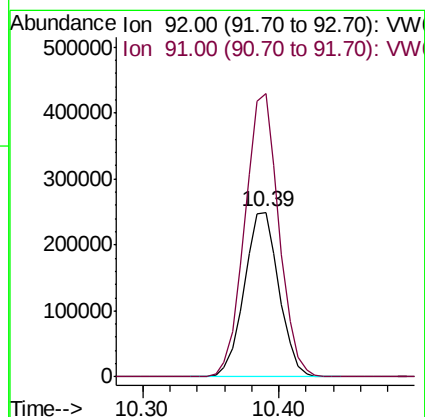
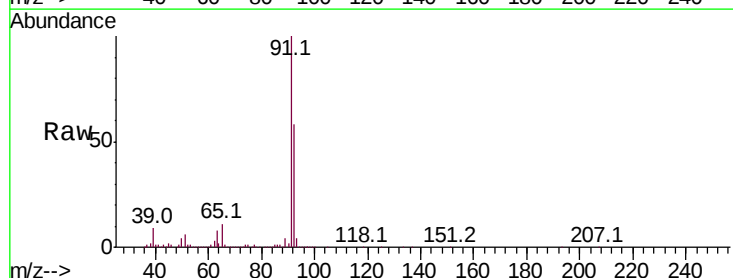
Acq: 18 May 2019 00:31

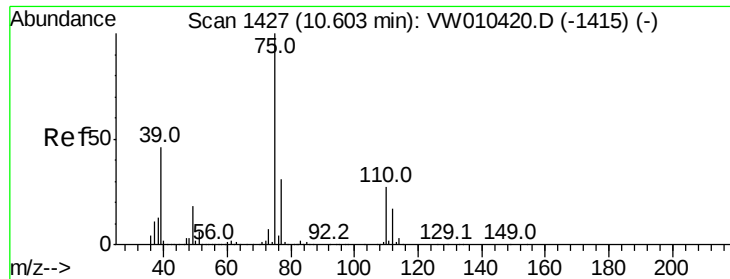
Tgt Ion: 92 Resp: 443222

Ion Ratio Lower Upper

92 100

91 169.2 135.4 203.0





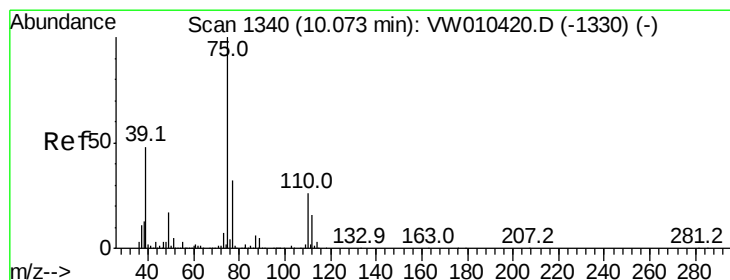
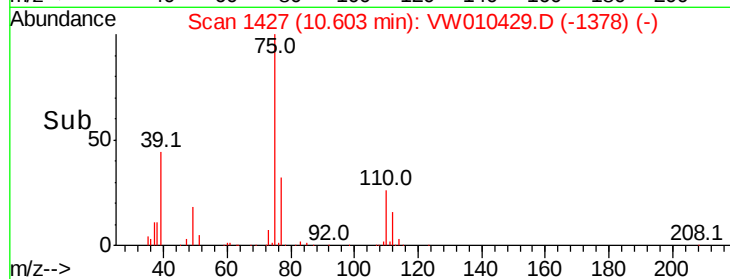
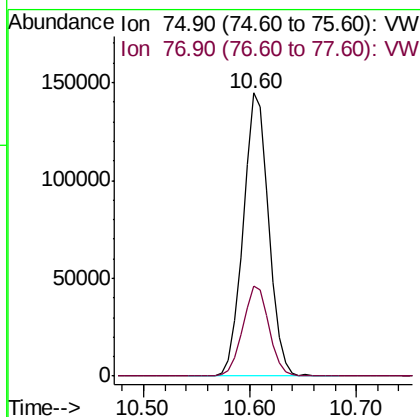
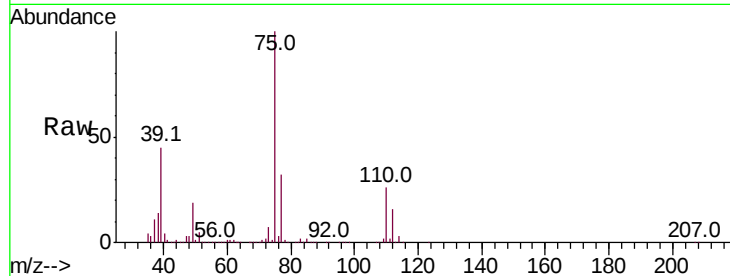
#53
 t-1,3-Dichloropropene
 Concen: 19.727 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010429.D
 Acq: 18 May 2019 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion: 75 Resp: 242650
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0

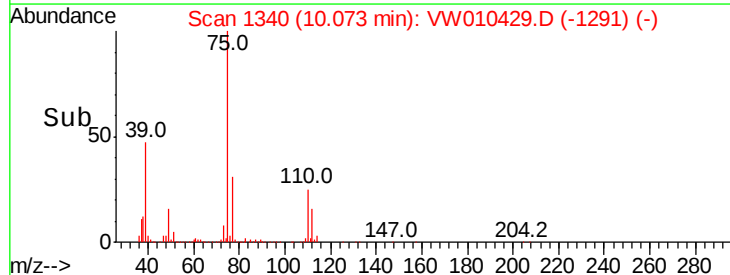
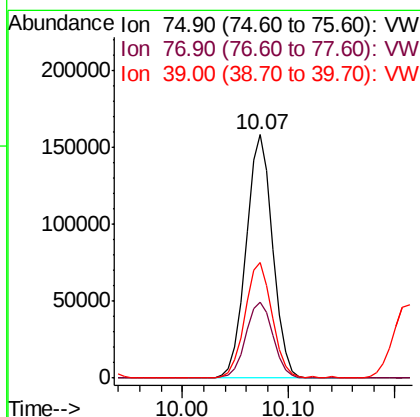
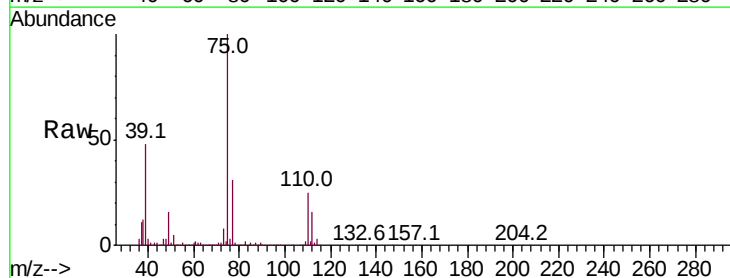
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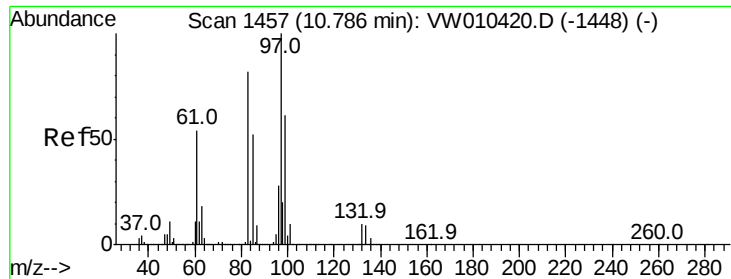
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#54
 cis-1,3-Dichloropropene
 Concen: 19.915 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010429.D
 Acq: 18 May 2019 00:31

Tgt Ion: 75 Resp: 277719
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.2 37.8
 39 47.5 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 20.774 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 97 Resp: 143853

Ion Ratio Lower Upper

97 100

83 86.3 65.6 98.4

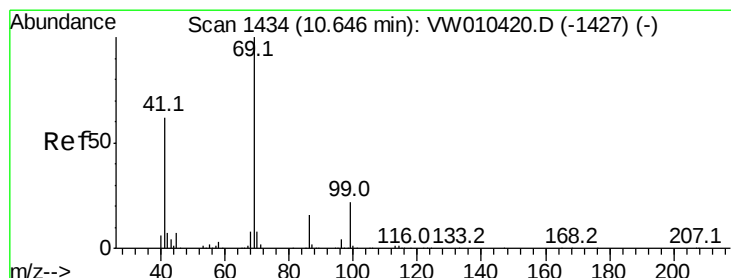
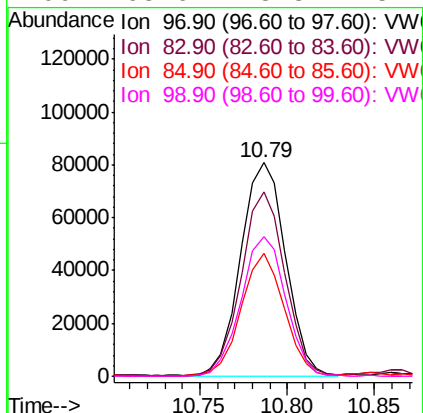
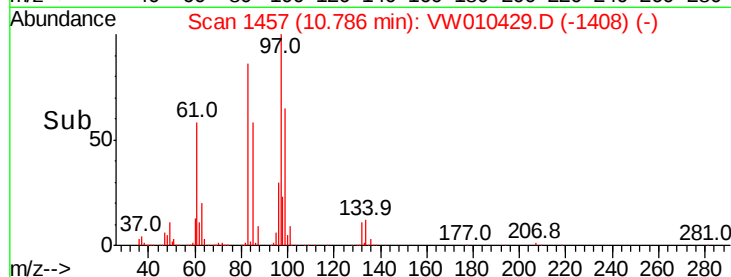
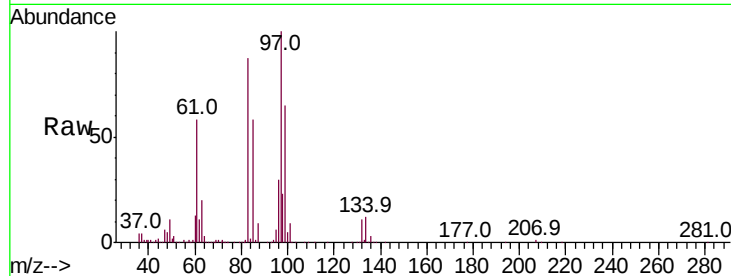
85 57.5 41.6 62.4

99 65.6 48.8 73.2

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#56

Ethyl methacrylate

Concen: 20.918 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

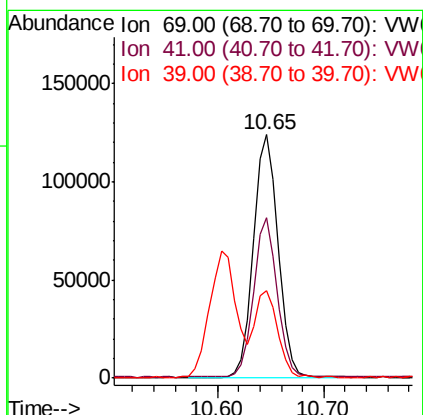
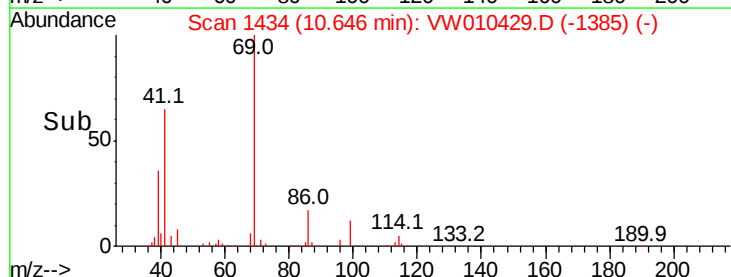
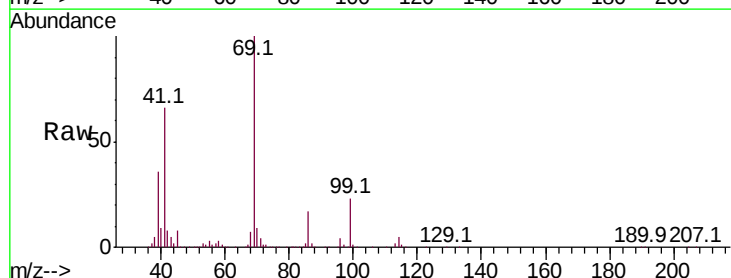
Tgt Ion: 69 Resp: 202126

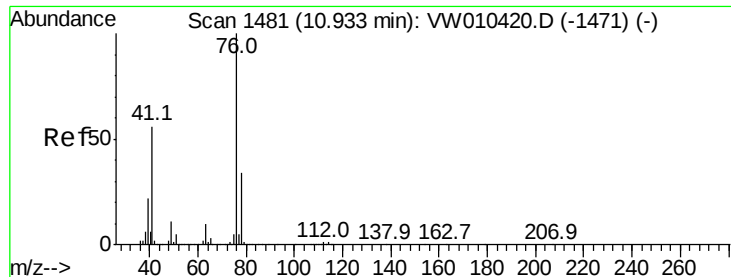
Ion Ratio Lower Upper

69 100

41 62.5 50.0 75.0

39 32.5 26.5 39.7





#57

1,3-Dichloropropane

Concen: 21.331 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBSD01

Tot Ion: 76 Resp: 247626

Ion Ratio Lower Upper

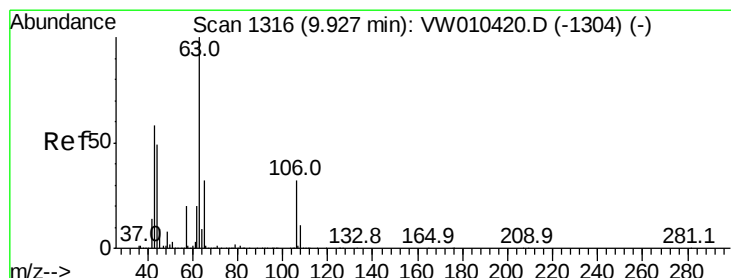
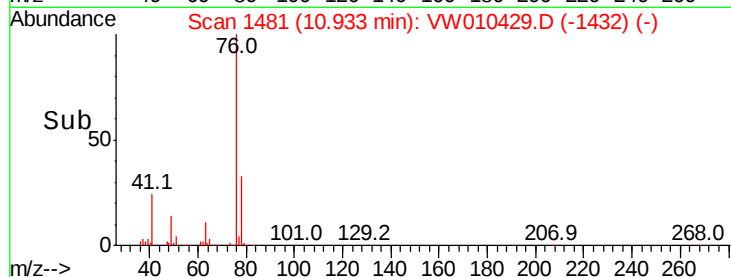
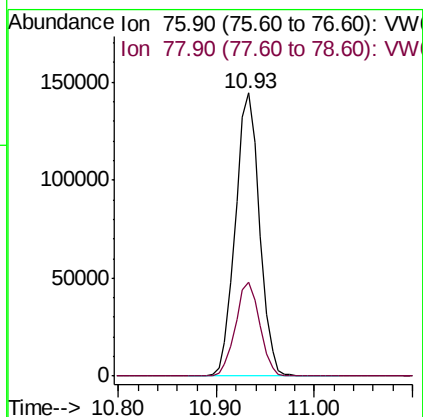
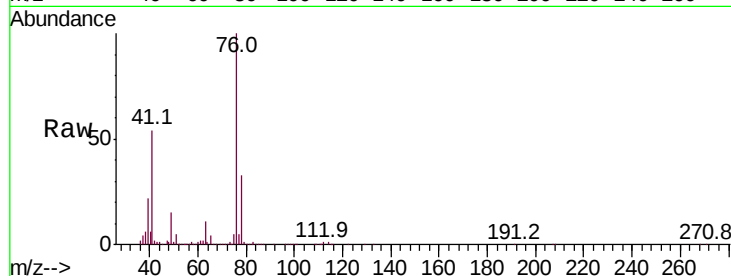
76 100

78 33.6 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 106.418 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010429.D

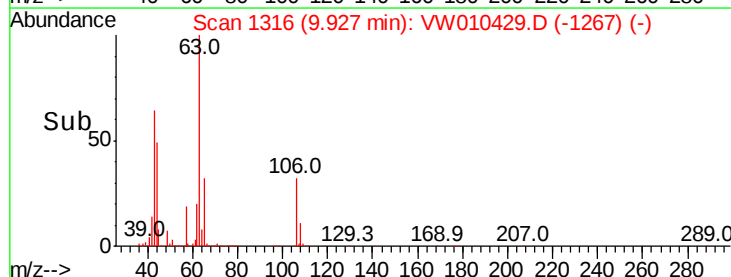
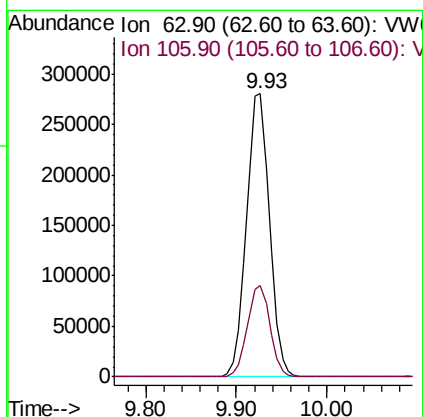
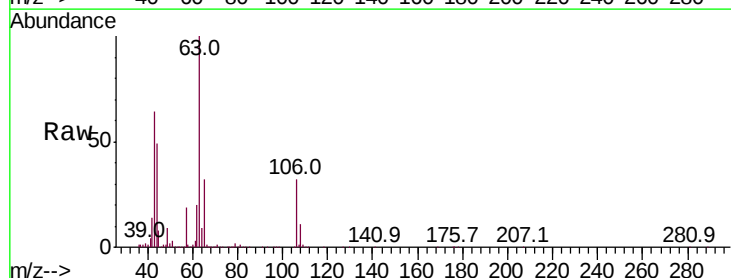
Acq: 18 May 2019 00:31

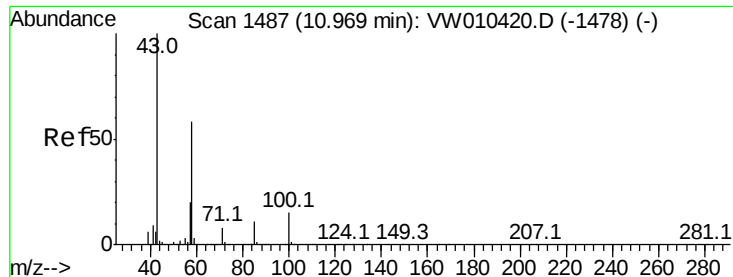
Tgt Ion: 63 Resp: 494086

Ion Ratio Lower Upper

63 100

106 31.9 25.2 37.8





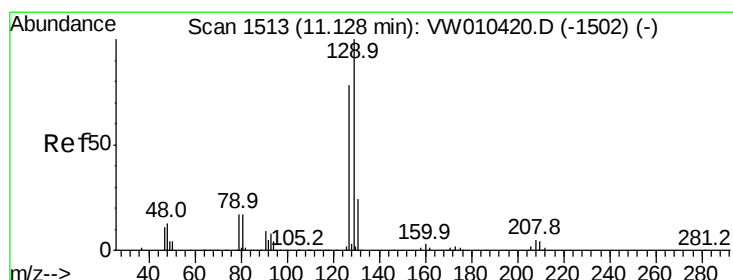
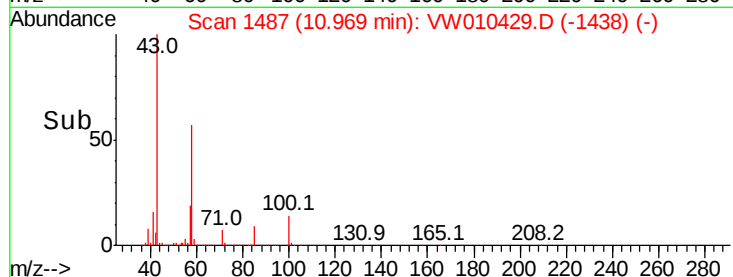
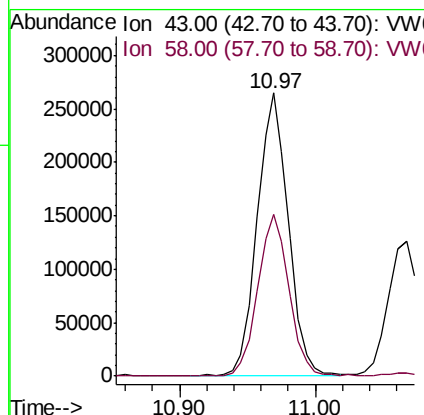
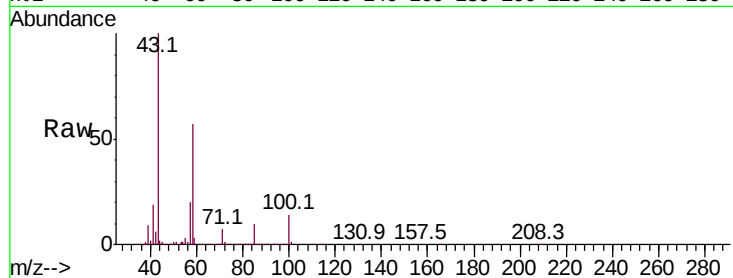
#59
2-Hexanone
Concen: 104.150 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.7	28.5	85.6

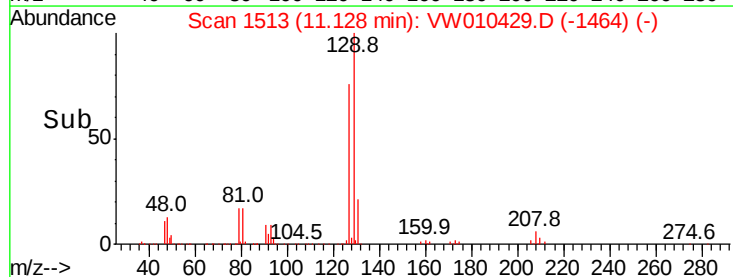
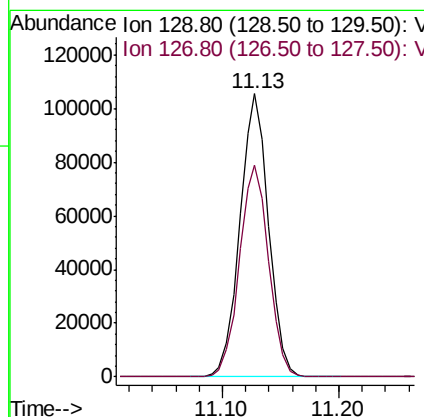
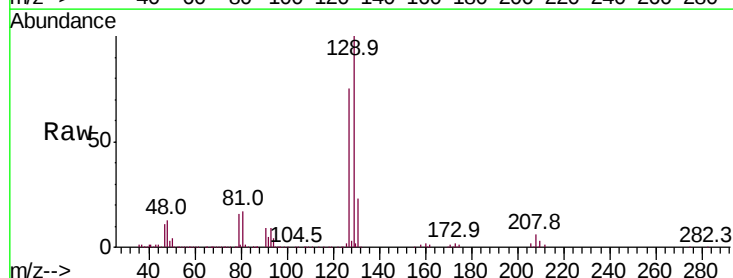
Manual Integrations
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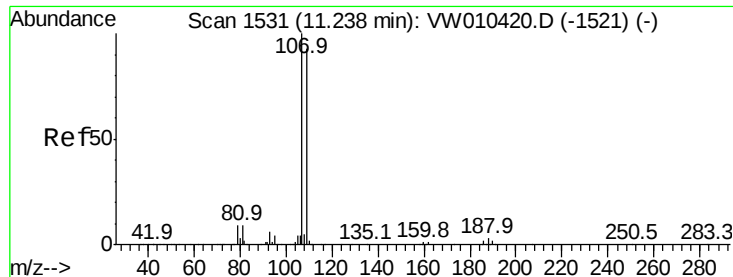
MMDadoda
5/20/2019 12:15:28 PM



#60
Dibromochloromethane
Concen: 20.986 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.0	116.9





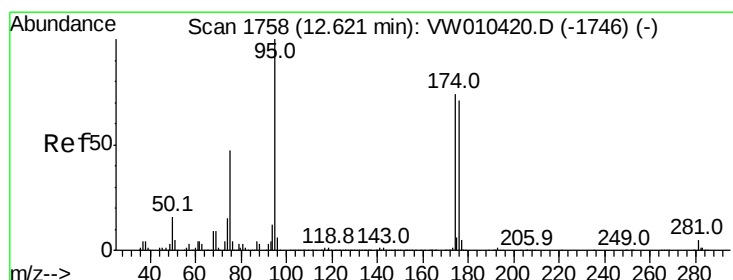
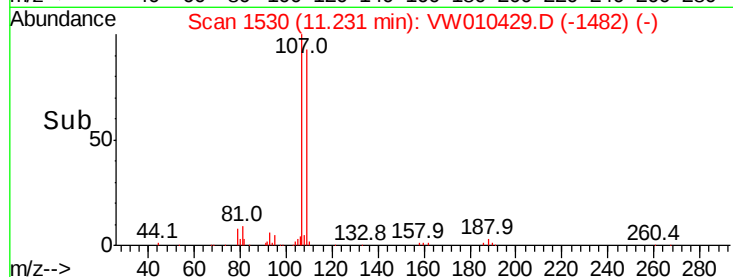
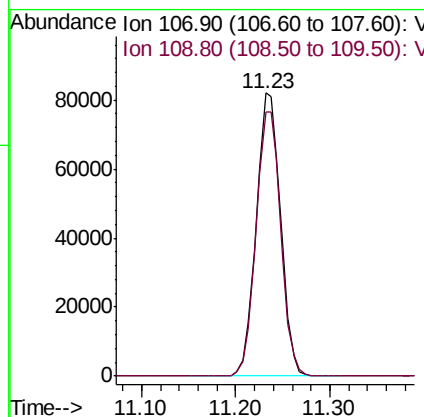
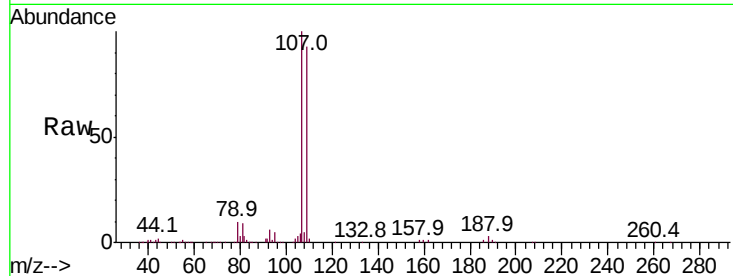
#61
 1,2-Dibromoethane
 Concen: 21.268 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010429.D
 Acq: 18 May 2019 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	149263		
109	95.0	74.8	112.2	

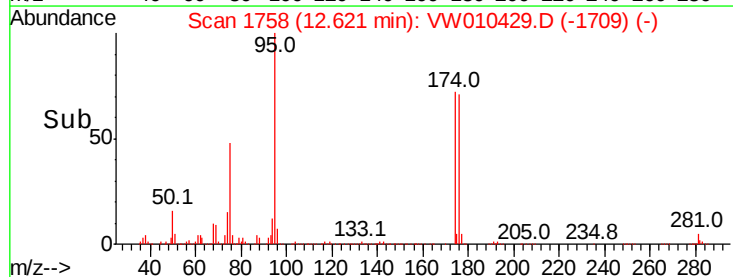
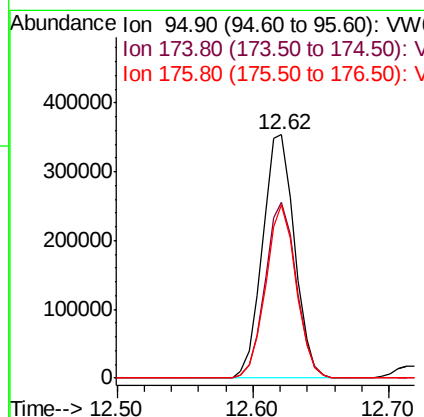
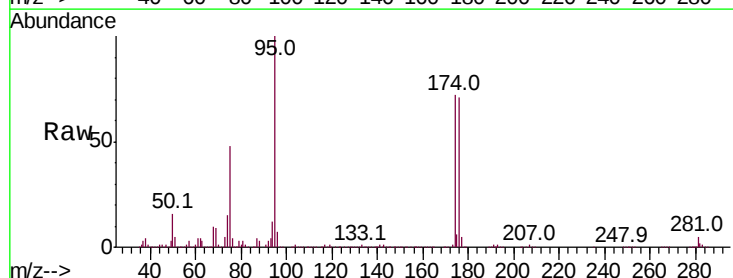
Manual Integrations
 APPROVED

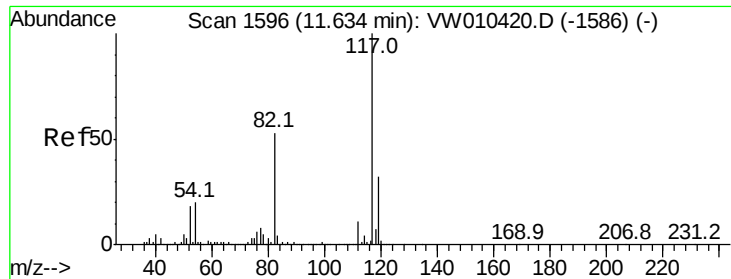
MMDadoda
 5/20/2019 12:15:28 PM



#62
 4-Bromofluorobenzene
 Concen: 49.237 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010429.D
 Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	584870		
174	70.2	0.0	146.6	
176	67.8	0.0	141.4	





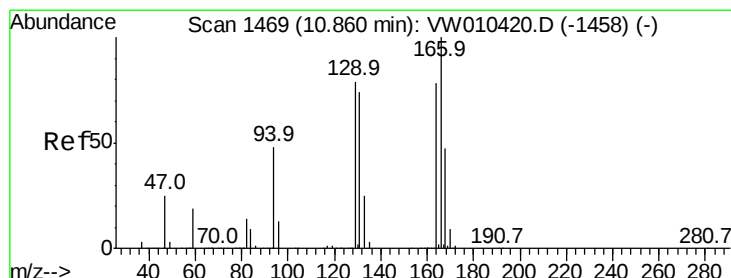
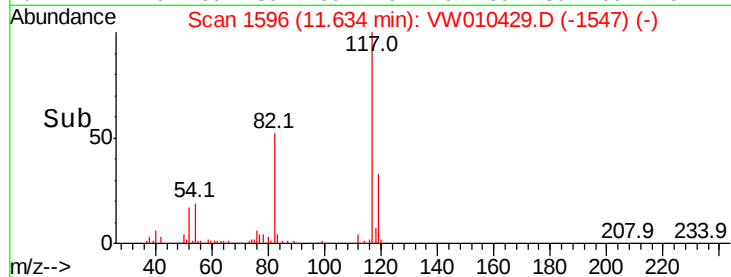
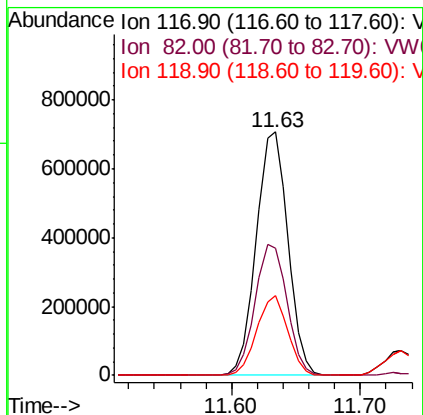
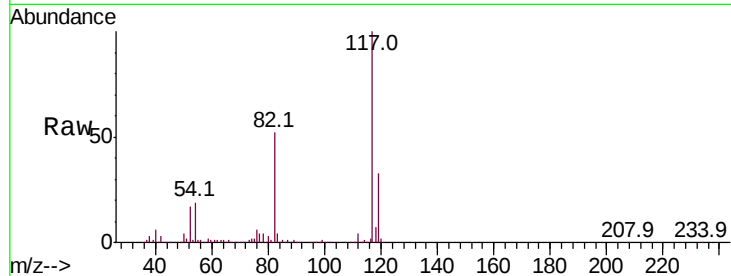
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.1	63.1
119	32.6	25.6	38.4

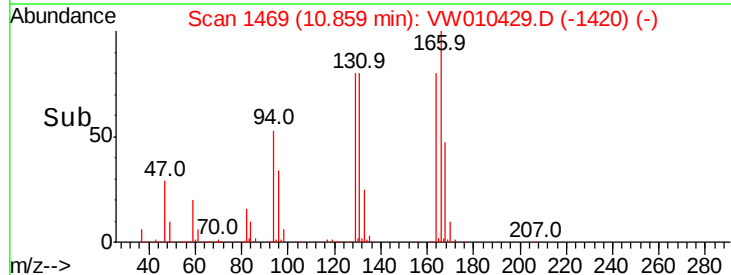
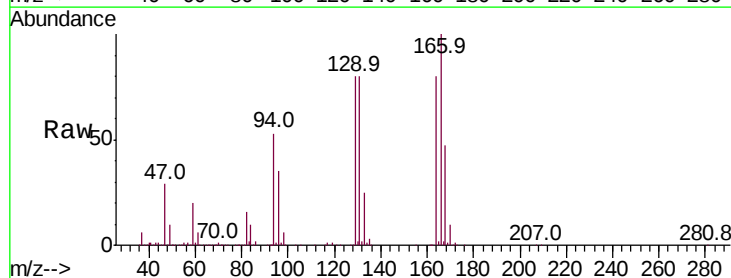
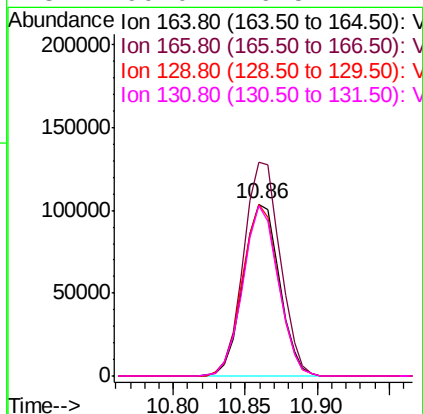
Manual Integrations
APPROVED

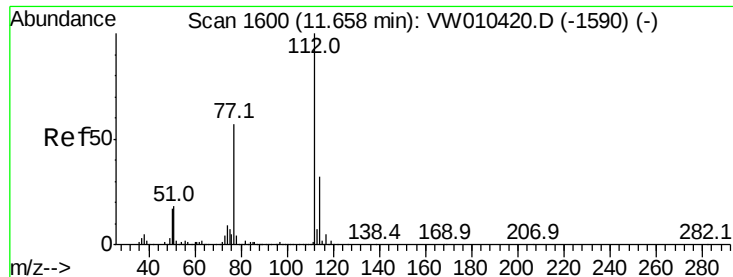
MMDadoda
5/20/2019 12:15:28 PM



#64
Tetrachloroethene
Concen: 22.852 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	103.2	154.8
129	99.6	81.6	122.4
131	99.0	76.5	114.7





#65

Chlorobenzene

Concen: 20.095 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBSD01

Tot Ion:112 Resp: 490961

Ion Ratio Lower Upper

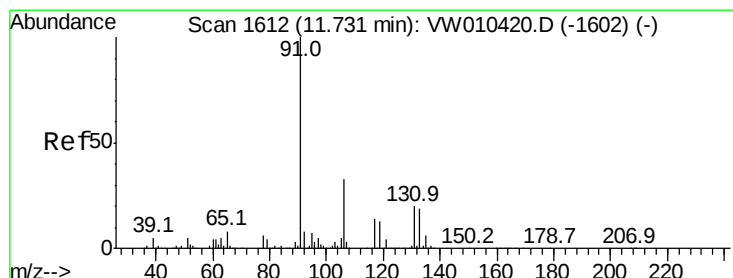
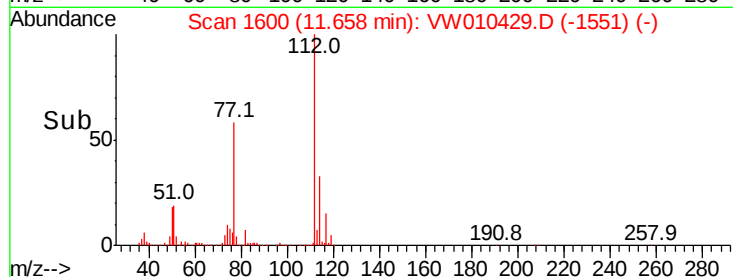
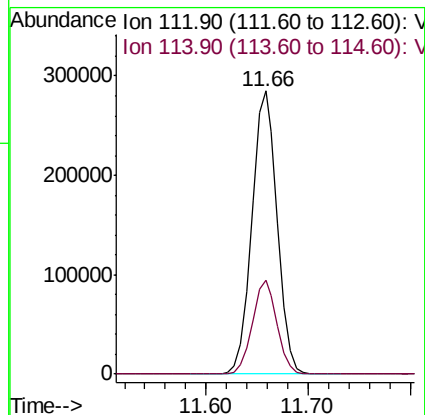
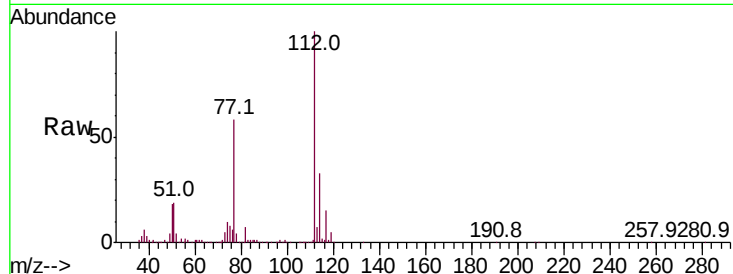
112 100

114 33.2 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.208 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

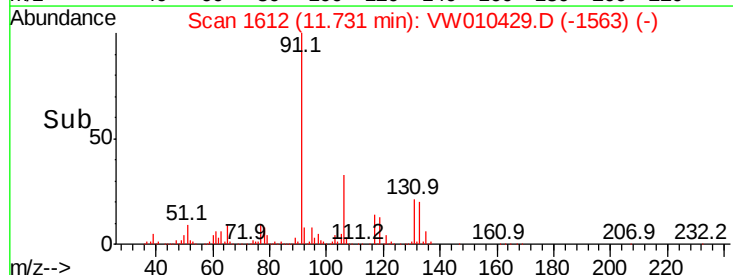
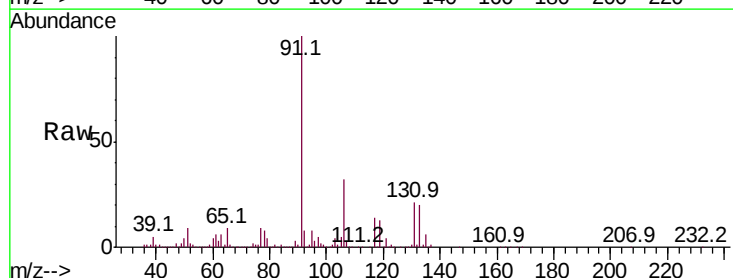
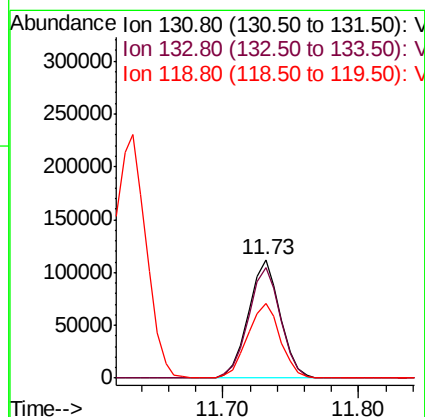
Tgt Ion:131 Resp: 182320

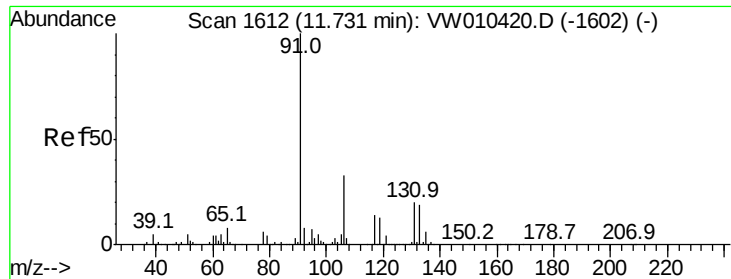
Ion Ratio Lower Upper

131 100

133 94.9 48.3 144.8

119 64.9 32.4 97.0





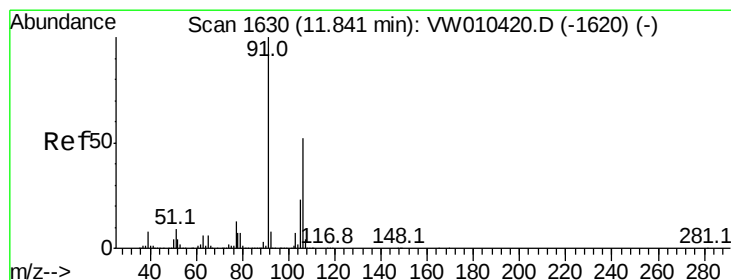
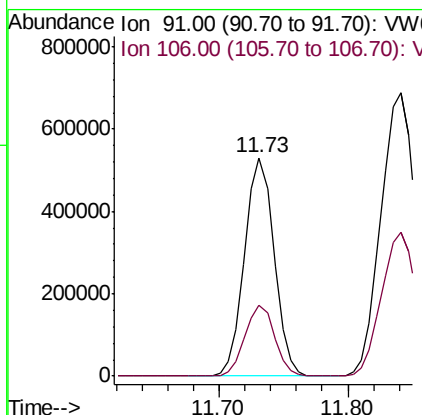
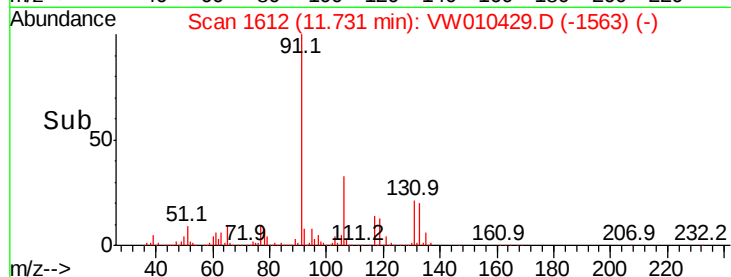
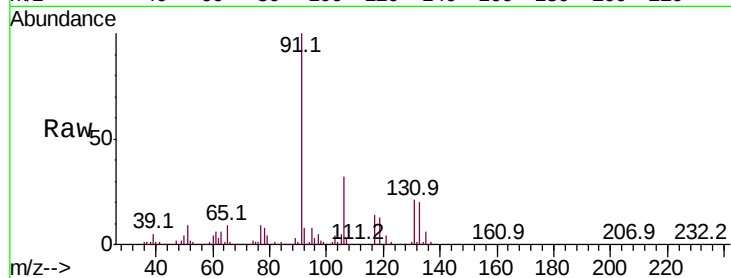
#67
Ethyl Benzene
Concen: 19.558 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion: 91 Resp: 841725
Ion Ratio Lower Upper
91 100
106 32.5 26.5 39.7

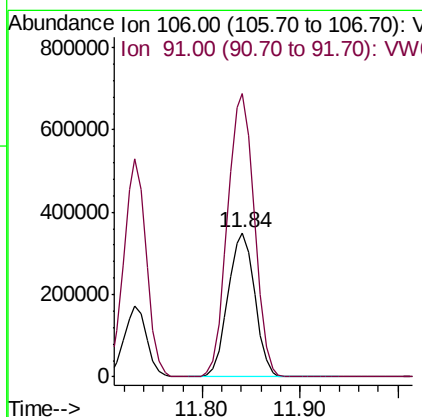
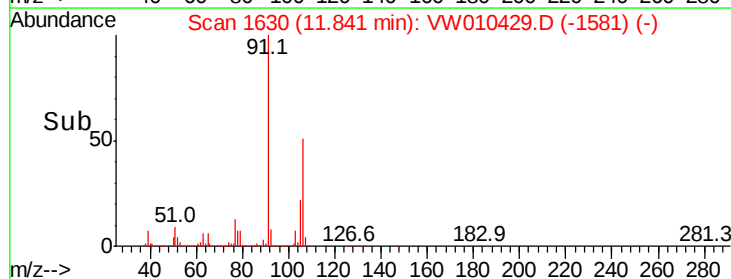
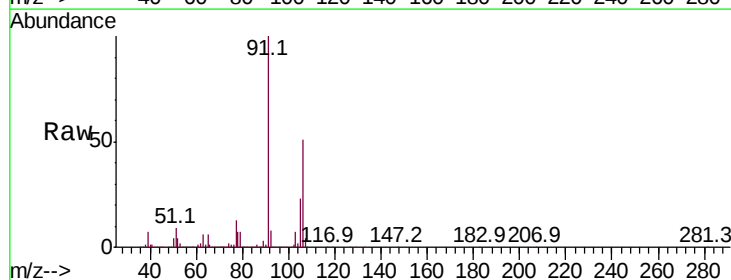
Manual Integrations
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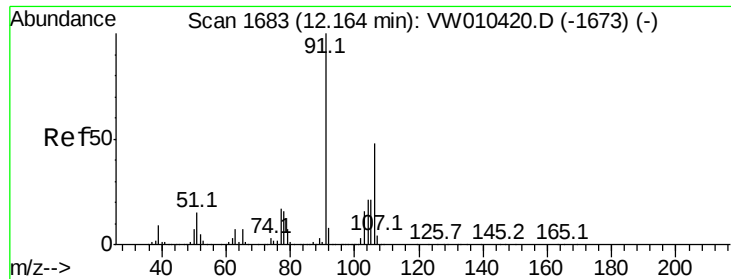
MMDadoda
5/20/2019 12:15:28 PM



#68
m/p-Xylenes
Concen: 39.310 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion: 106 Resp: 662164
Ion Ratio Lower Upper
106 100
91 197.1 156.2 234.2





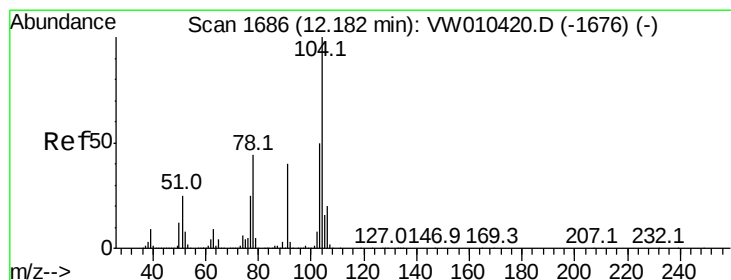
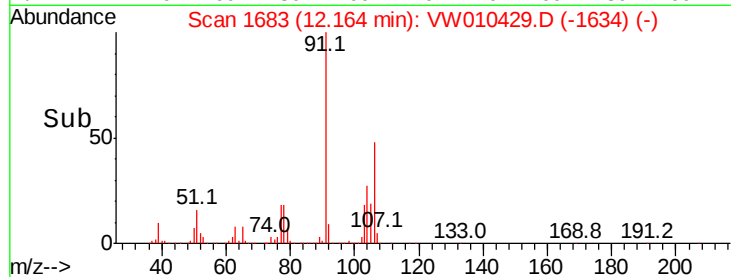
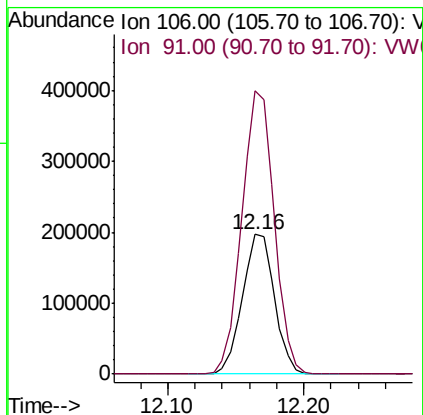
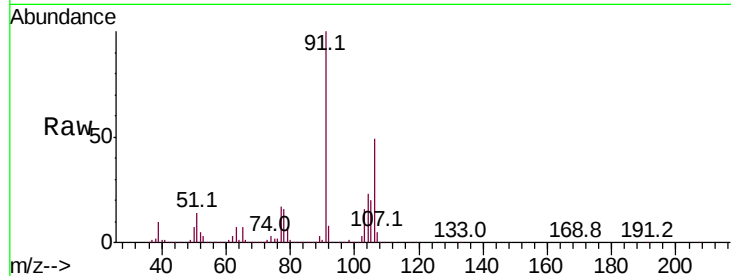
#69
o-Xylene
Concen: 20.312 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.3	102.5	307.5

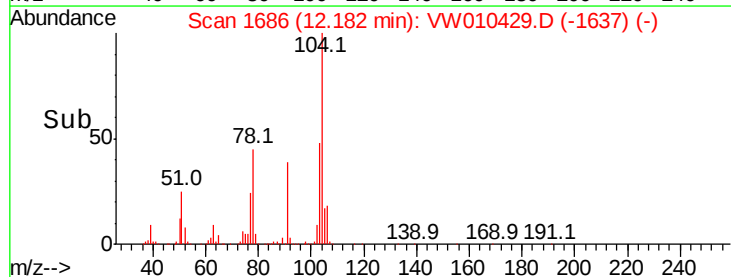
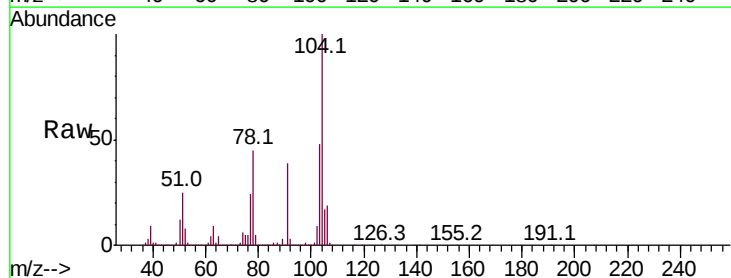
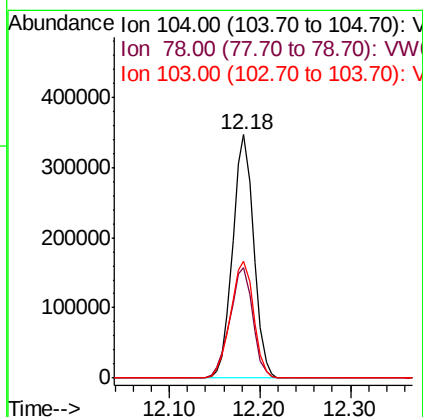
Manual Integrations
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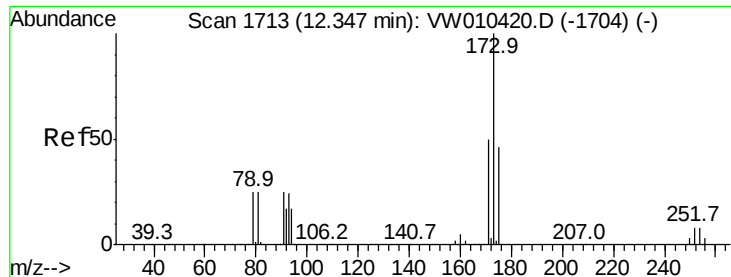
MMDadoda
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#70
Styrene
Concen: 20.216 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.7	39.4	59.0
103	52.9	43.4	65.0





#71

Bromoform

Concen: 20.073 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

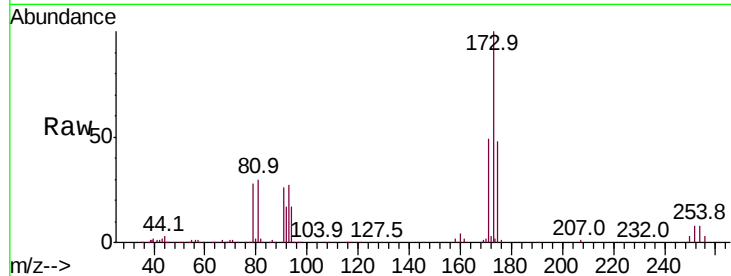
ClientSampleId :

VW0517SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.8	71.2
254	0.0	0.2	0.2

Manual Integrations
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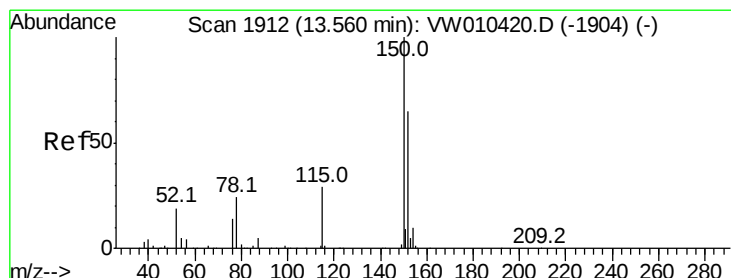
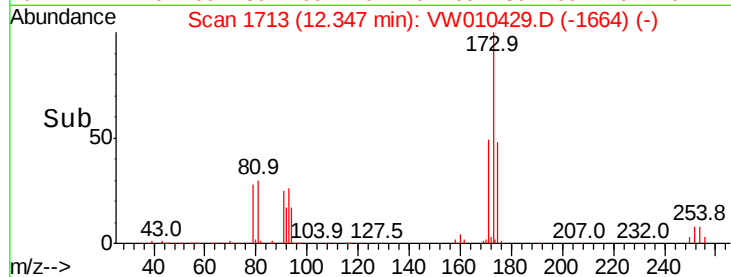
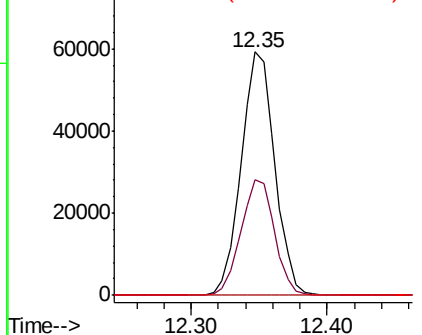


Abundance

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

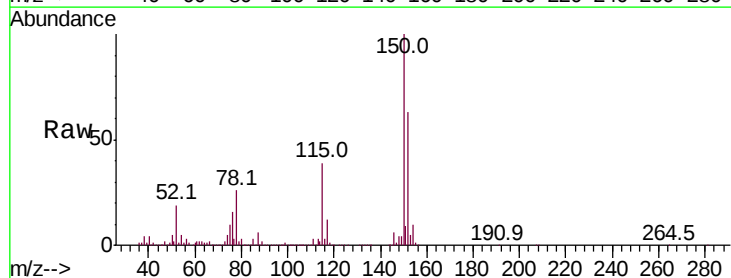
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	30.0	90.1
150	164.6	0.0	350.2

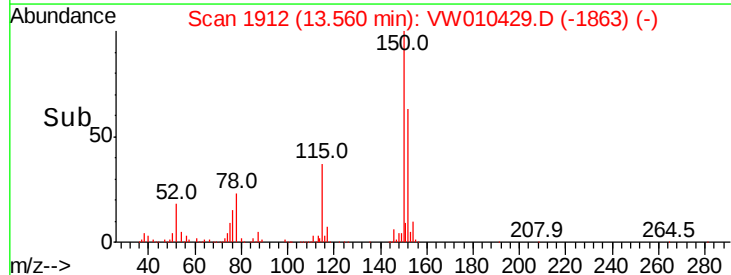
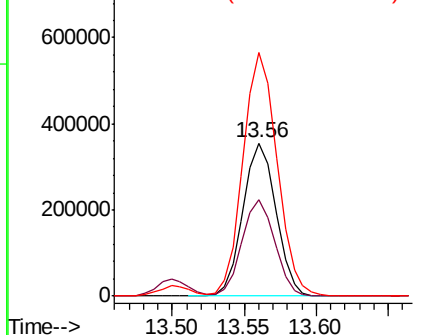


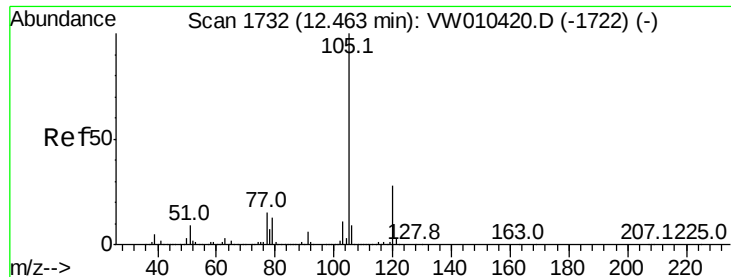
Abundance

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: 19.138 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion:105 Resp: 835598

Ion Ratio Lower Upper

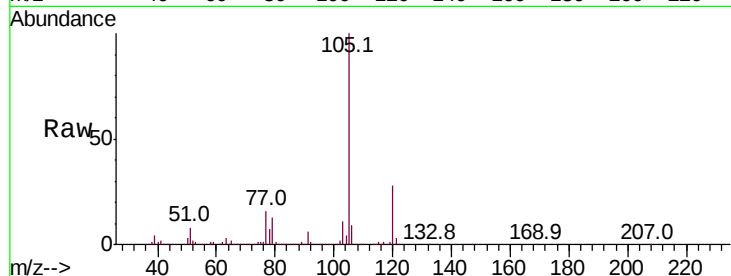
105 100

120 27.5 13.9 41.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

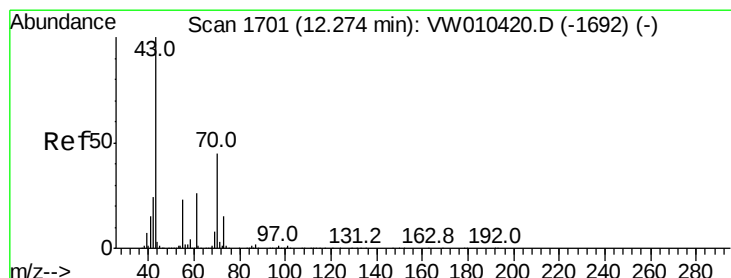
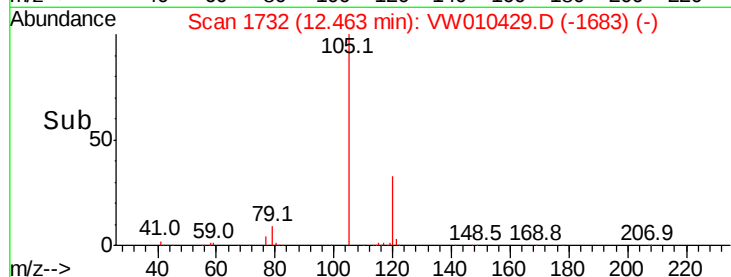
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 19.428 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Tgt Ion: 43 Resp: 217383

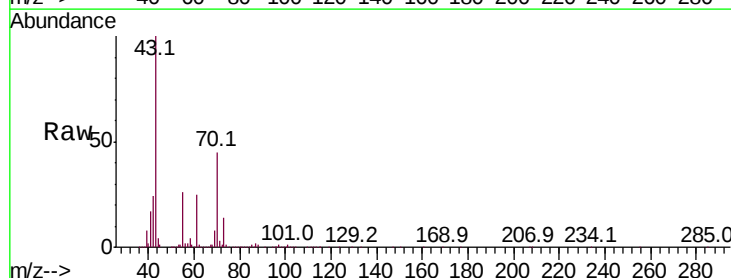
Ion Ratio Lower Upper

43 100

70 44.8 36.4 54.6

55 24.4 19.0 28.6

61 25.7 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

200000

150000

100000

50000

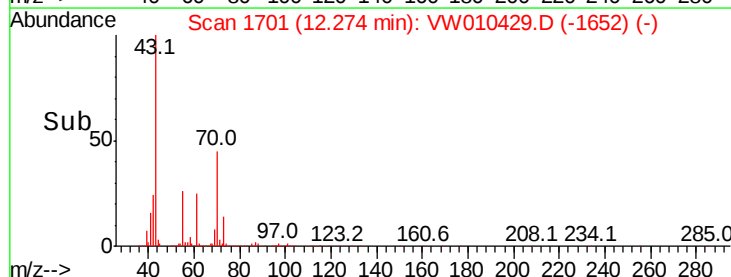
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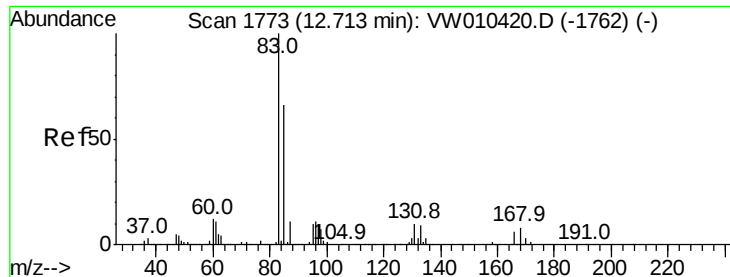
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.183 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

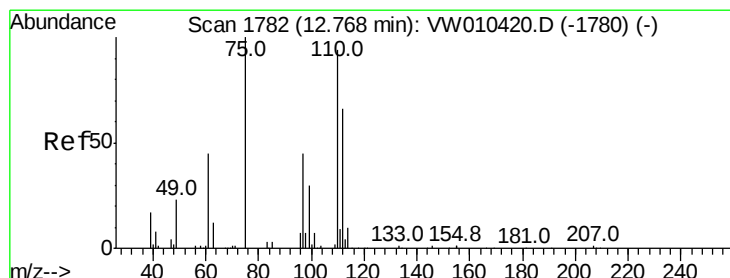
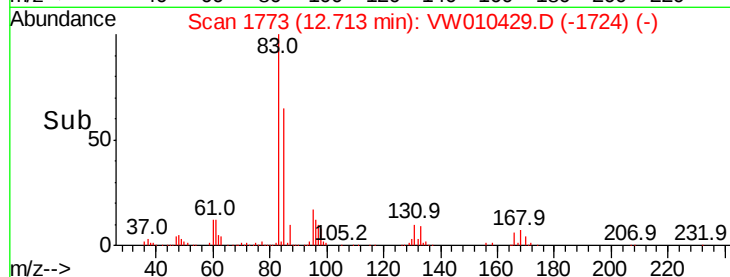
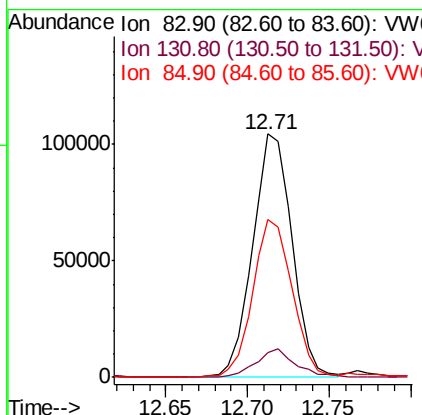
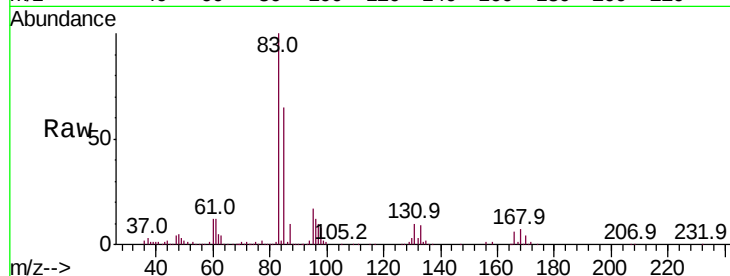
ClientSampleId :

VW0517SBS01

Tot Ion:	83	Resp:	174530
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.5	16.4
85	64.8	32.3	96.9

Manual Integrations
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5/20/2019 12:15:28 PM



#76

1,2,3-Trichloropropane

Concen: 20.602 ug/l m

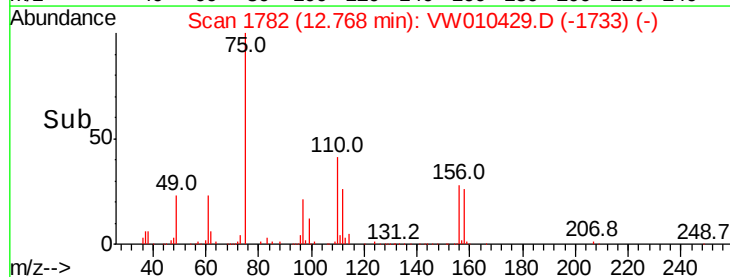
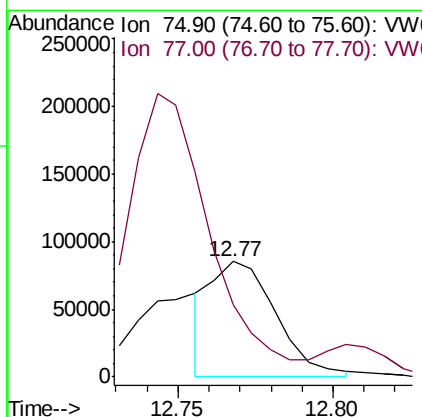
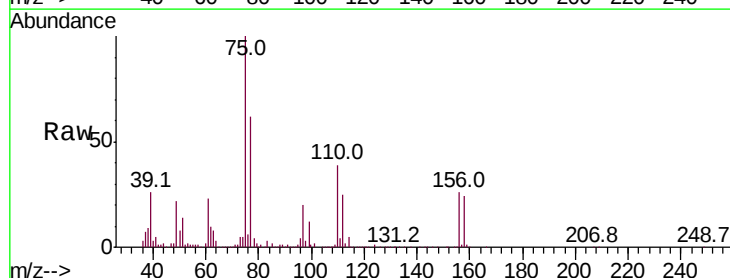
RT: 12.77 min Scan# 1782

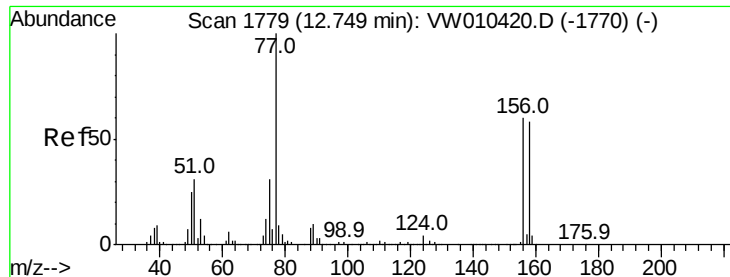
Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Tgt Ion:	75	Resp:	124573
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





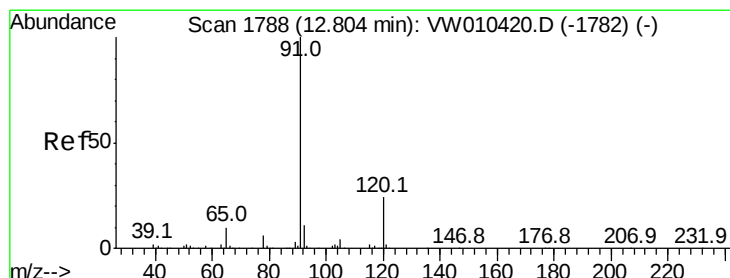
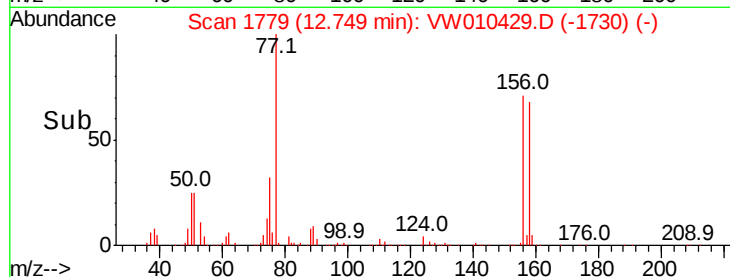
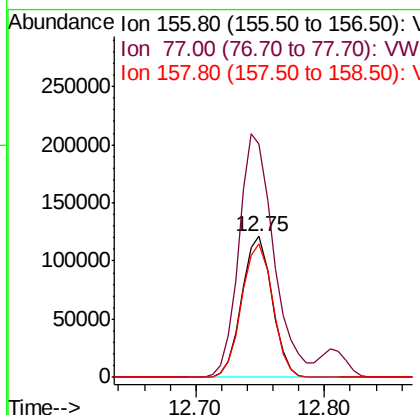
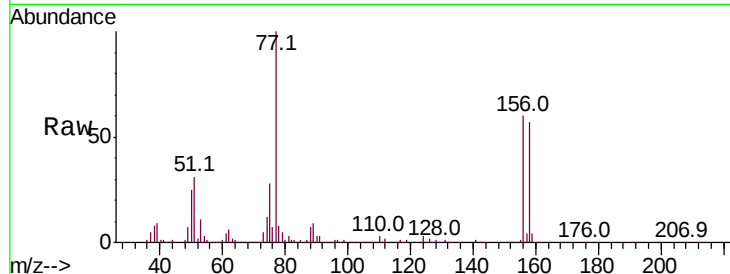
#77
Bromobenzene
Concen: 19.998 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.9	95.7	286.9
158	96.8	48.9	146.7

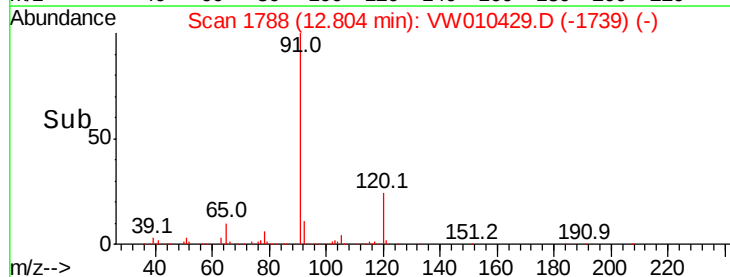
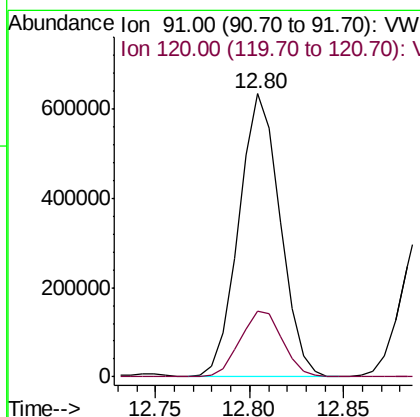
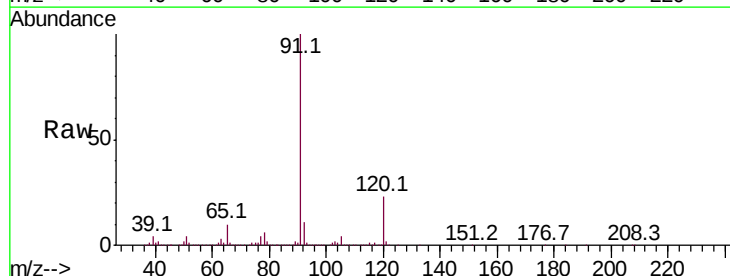
Manual Integrations
APPROVED

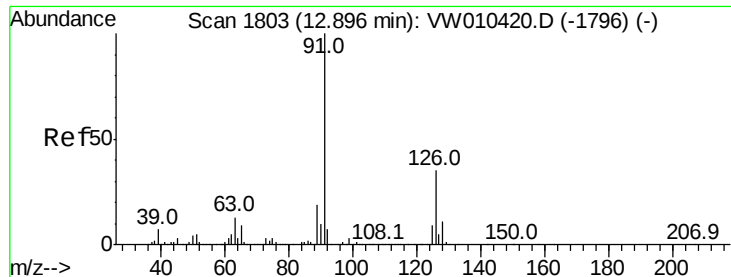
MMDadoda
5/20/2019 12:15:28 PM



#78
n-propylbenzene
Concen: 18.992 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.0	36.1





#79

2-Chlorotoluene

Concen: 19.808 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBSD01

Tot Ion: 91 Resp: 585837

Ion Ratio Lower Upper

91 100

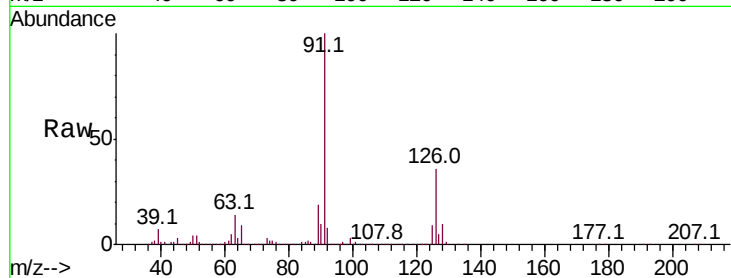
126 34.3 17.3 52.0

Manual Integrations

APPROVED

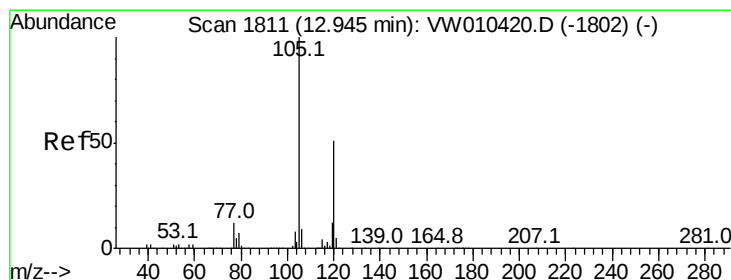
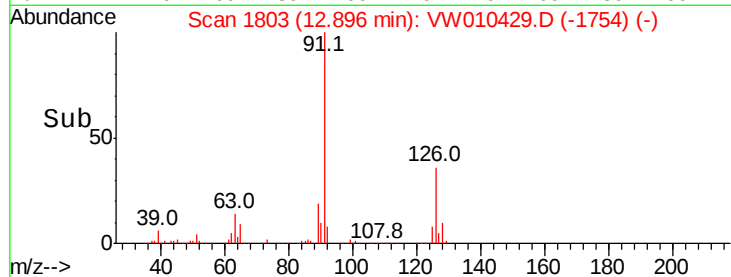
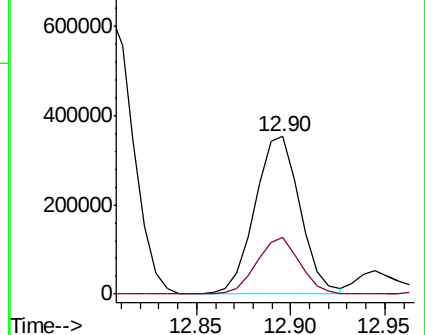
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.427 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010429.D

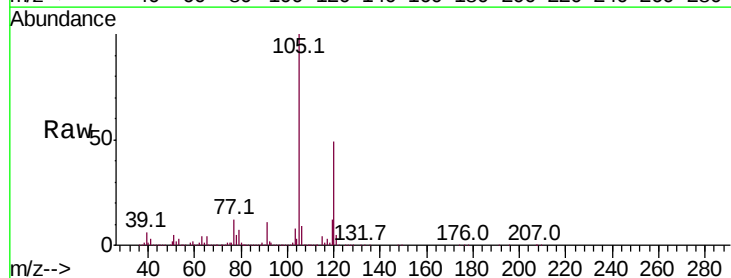
Acq: 18 May 2019 00:31

Tgt Ion:105 Resp: 721998

Ion Ratio Lower Upper

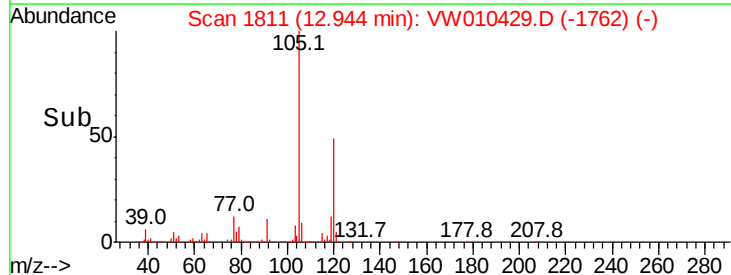
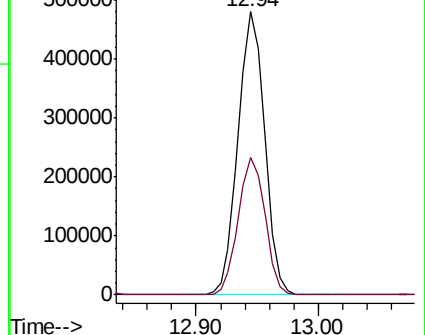
105 100

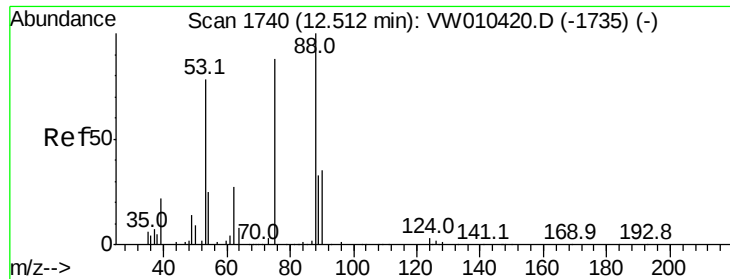
120 48.9 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





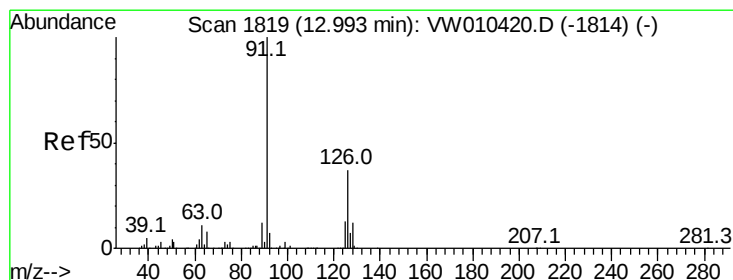
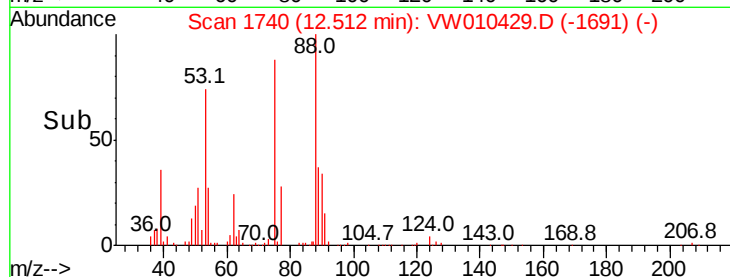
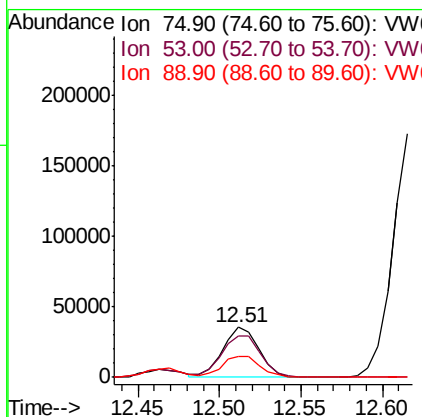
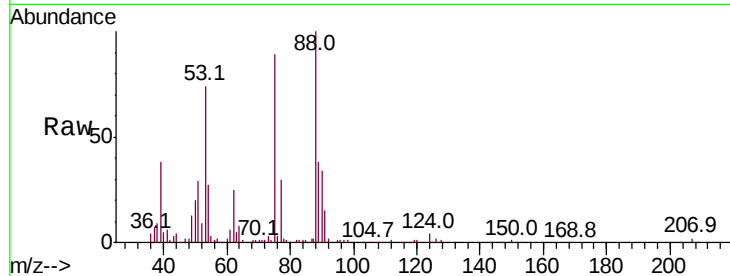
#81
trans-1,4-Dichloro-2-butene
Concen: 17.885 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.2	70.7	106.1
89	45.1	38.6	58.0

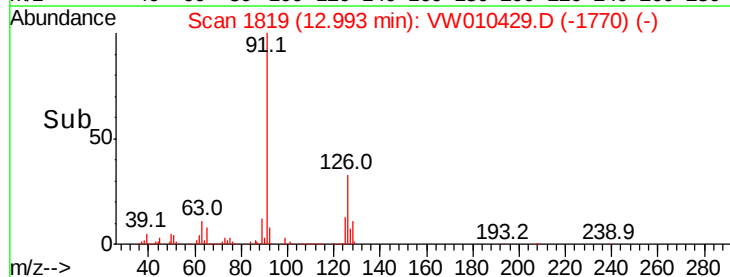
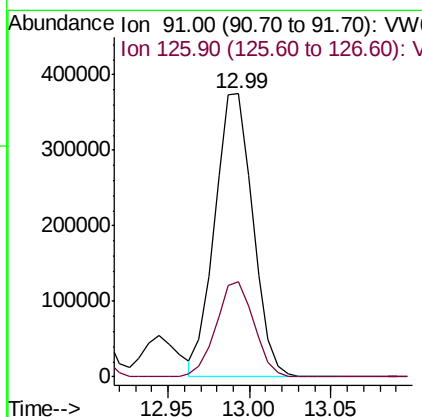
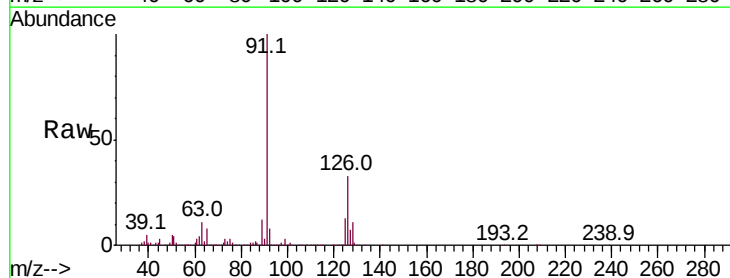
Manual Integrations
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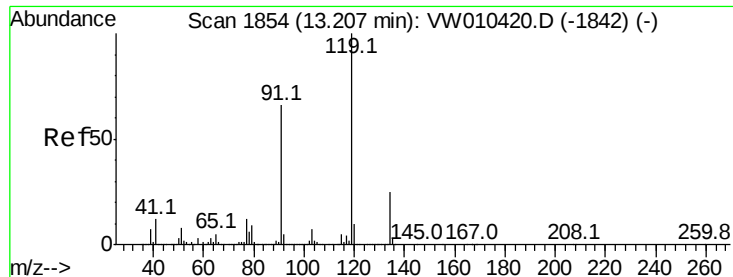
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#82
4-Chlorotoluene
Concen: 19.761 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	17.4	52.2





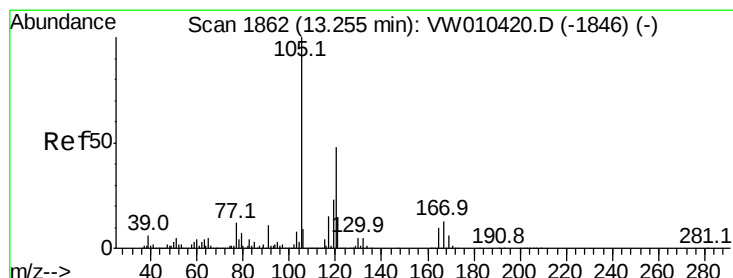
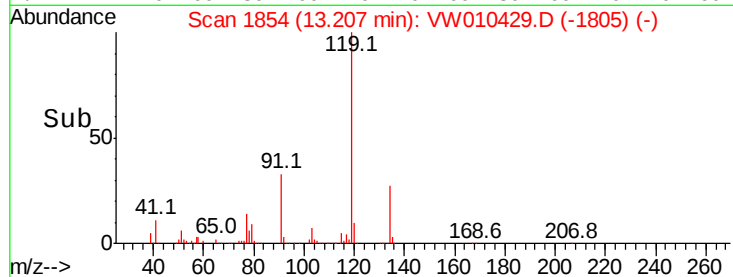
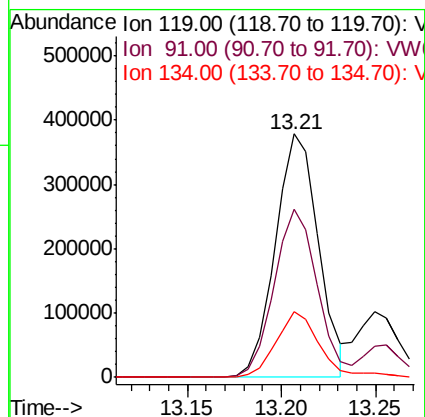
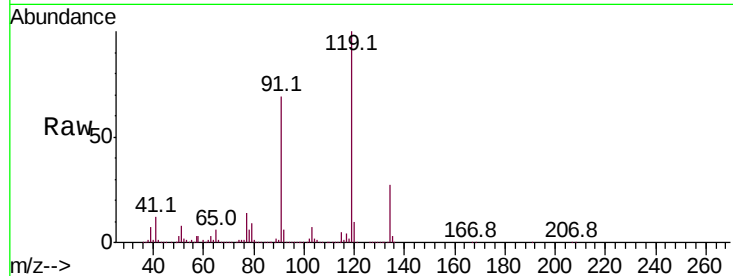
#83
tert-Butylbenzene
Concen: 19.079 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion:	119	Resp:	599653
Ion Ratio	Lower	Upper	
119	100		
91	69.4	33.5	100.5
134	27.6	13.8	41.4

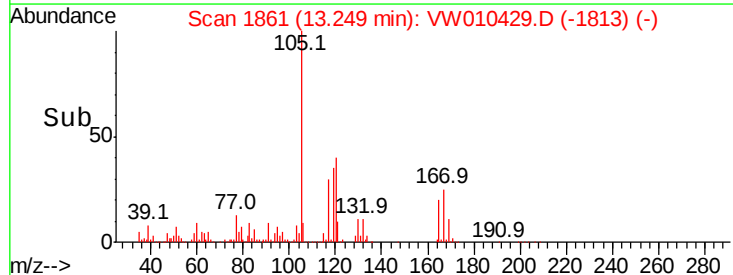
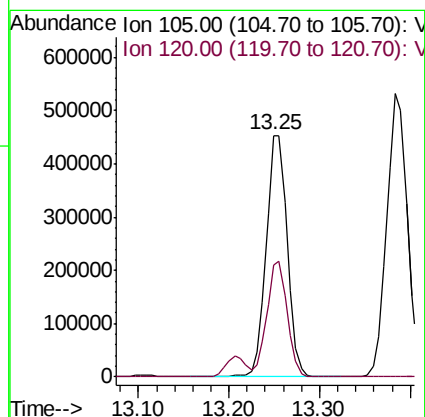
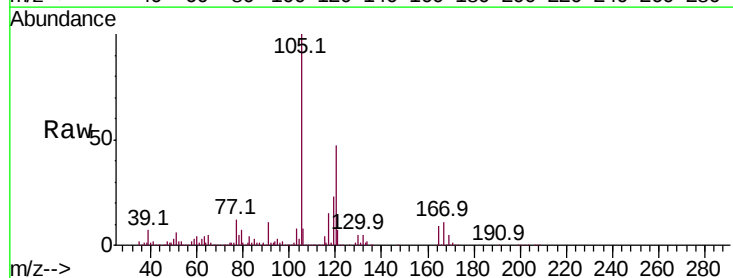
Manual Integrations
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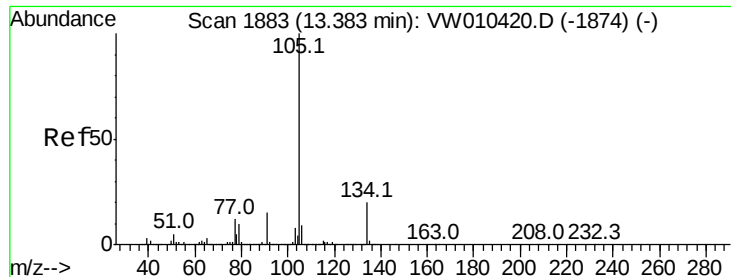
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#84
1,2,4-Trimethylbenzene
Concen: 19.861 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion:	105	Resp:	726173
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.4	70.0





#85

sec-Butylbenzene

Concen: 18.791 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion:105 Resp: 831670

Ion Ratio Lower Upper

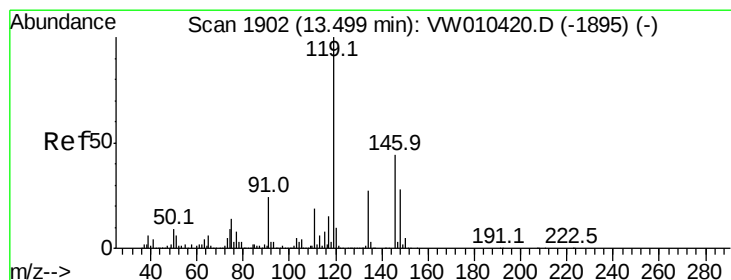
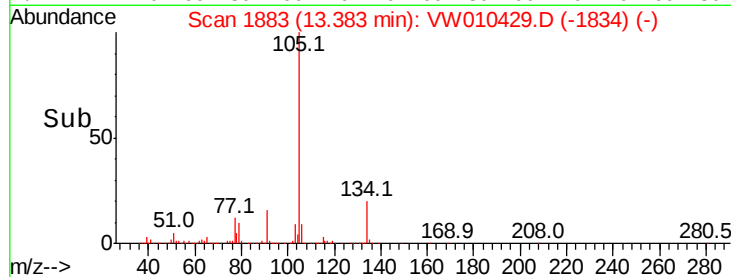
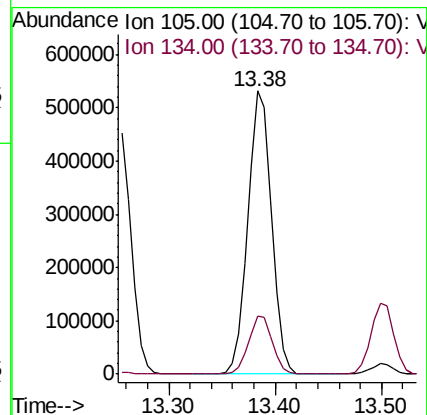
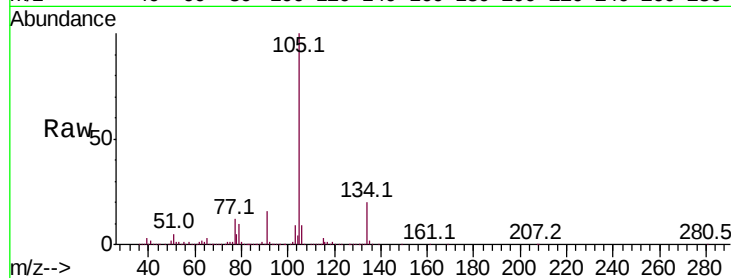
105 100

134 20.4 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 18.881 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

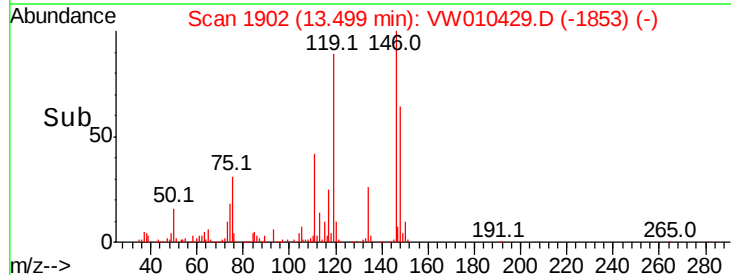
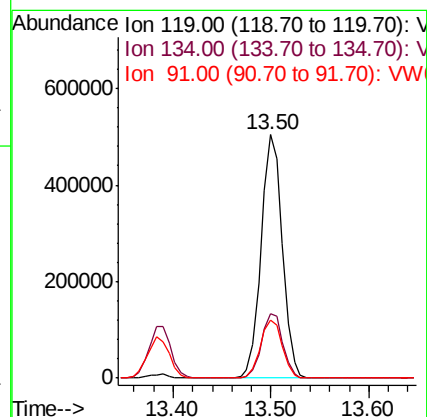
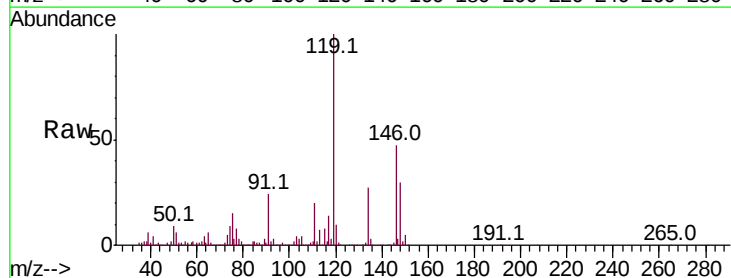
Tgt Ion:119 Resp: 754907

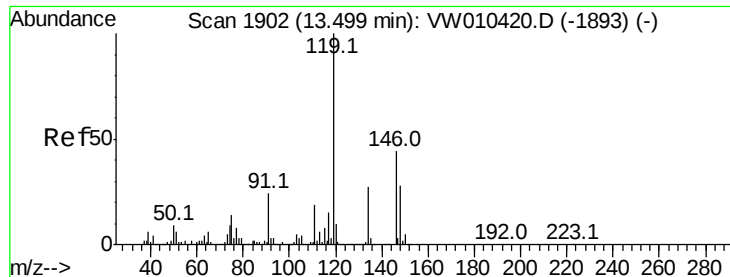
Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 24.6 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 20.131 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

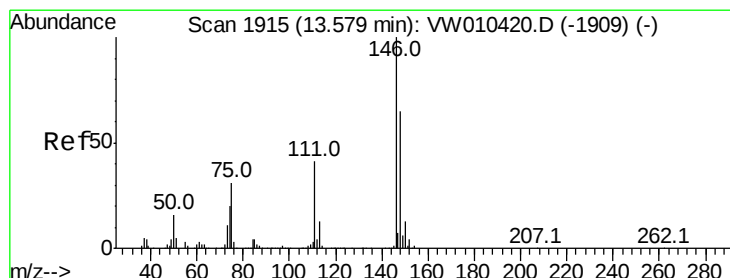
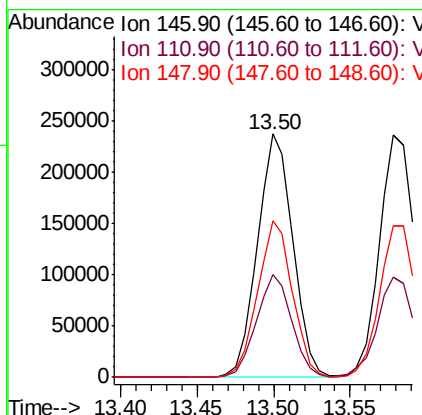
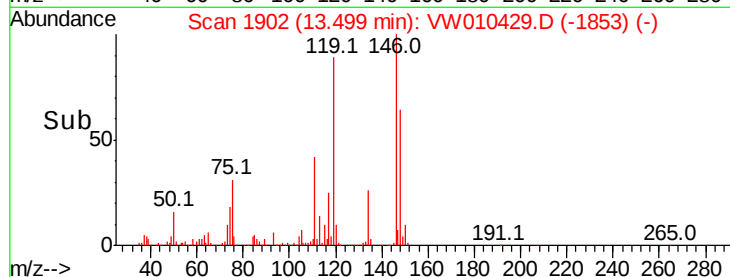
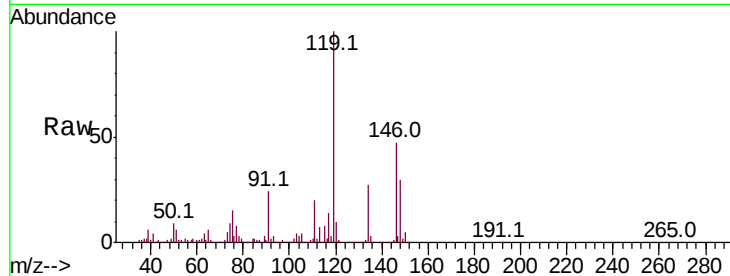
Instrument :
MSVOA_W

ClientSampleId :
VW0517SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	63.0	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 20.031 ug/l

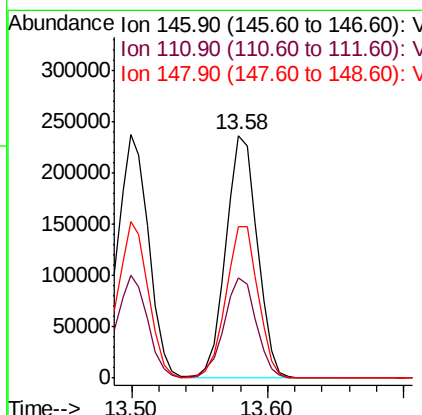
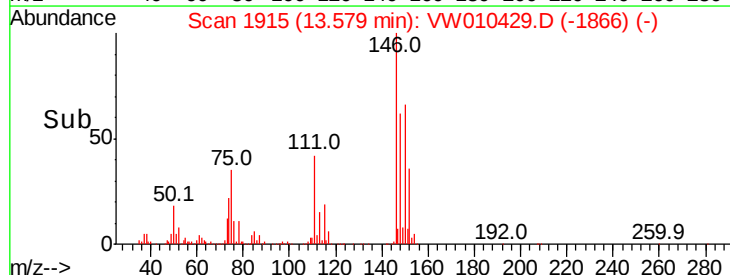
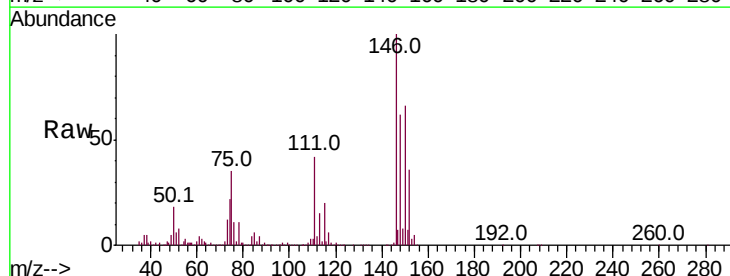
RT: 13.58 min Scan# 1915

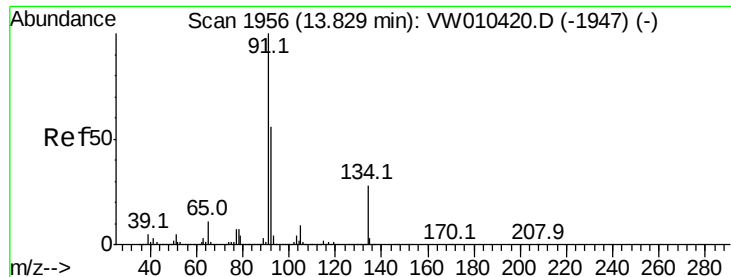
Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.4	61.3
148	64.2	32.3	96.9





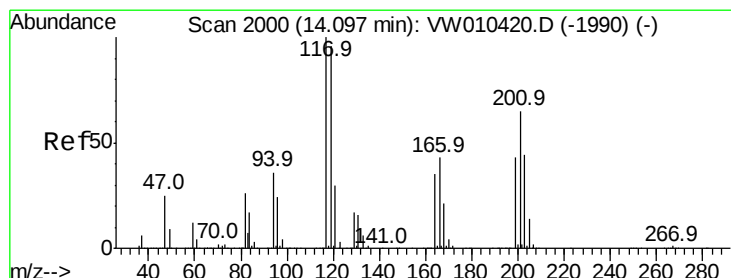
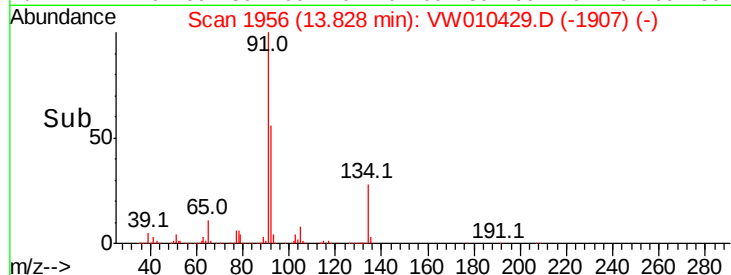
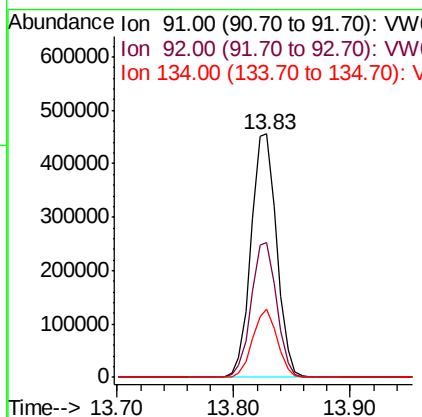
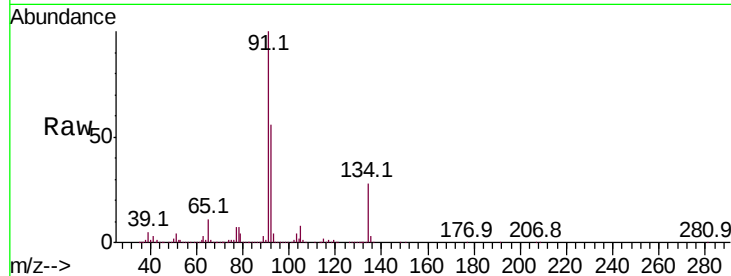
#89
n-Butylbenzene
Concen: 18.301 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.7	83.0
134	26.9	13.8	41.3

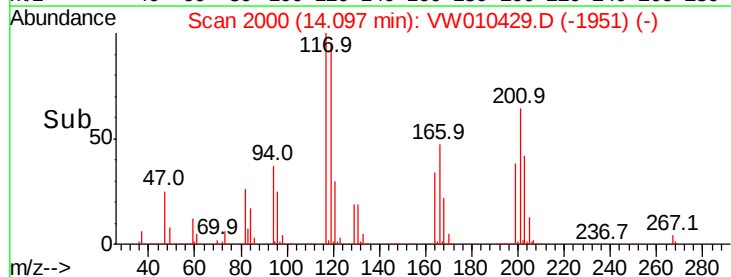
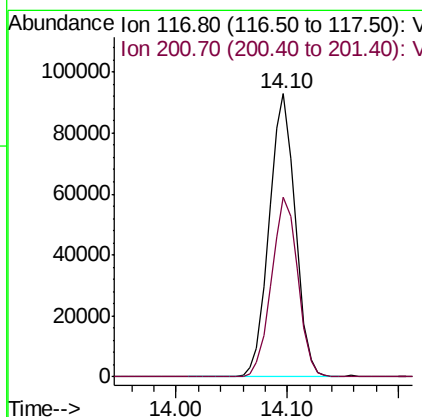
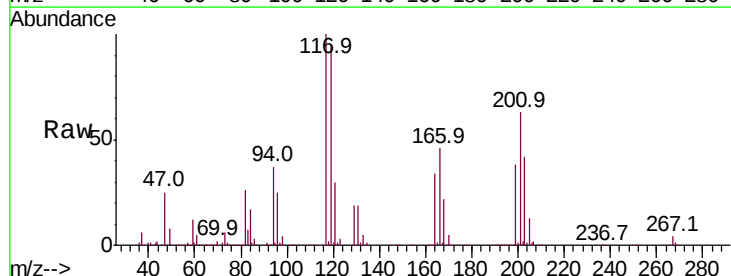
Manual Integrations
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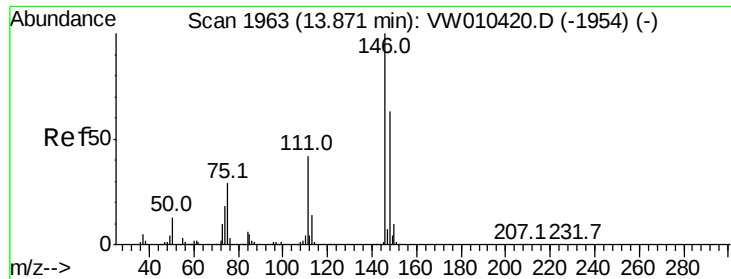
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#90
Hexachloroethane
Concen: 18.929 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.7	33.8	101.4





#91

1,2-Dichlorobenzene

Concen: 20.381 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

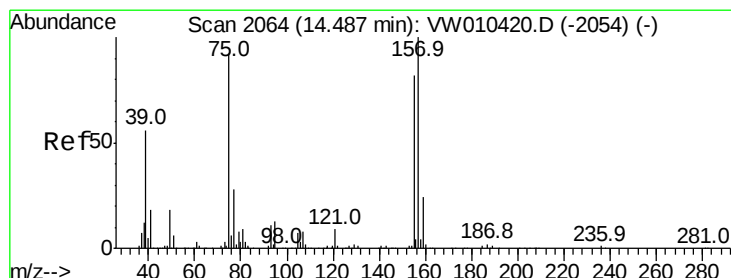
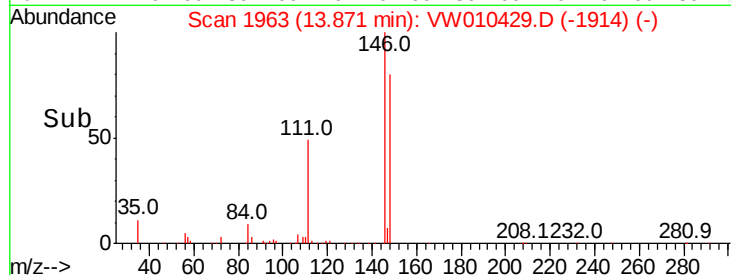
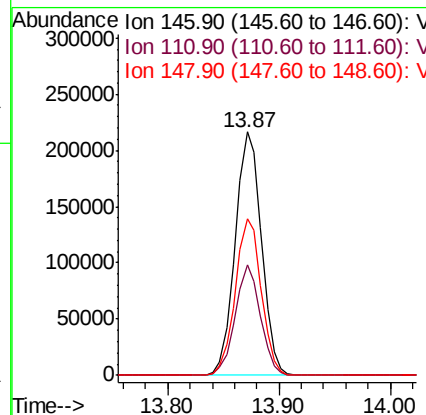
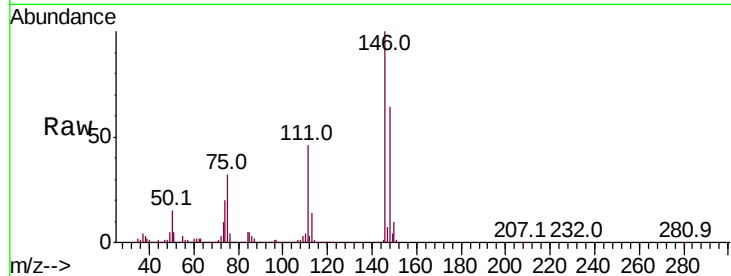
ClientSampleId :

VW0517SBS01

Tot Ion:	146	Resp:	352008
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.3	63.7
148	64.1	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.603 ug/l

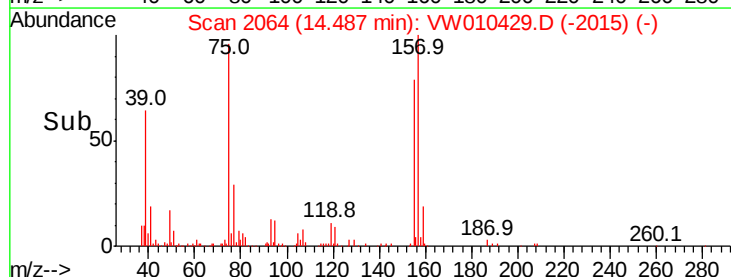
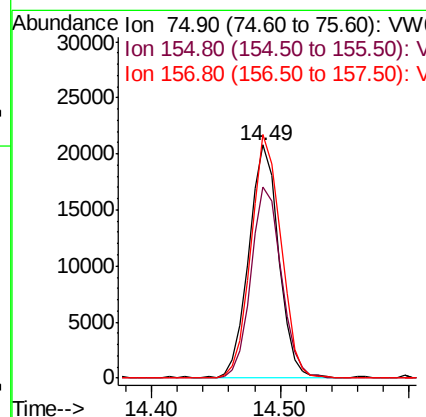
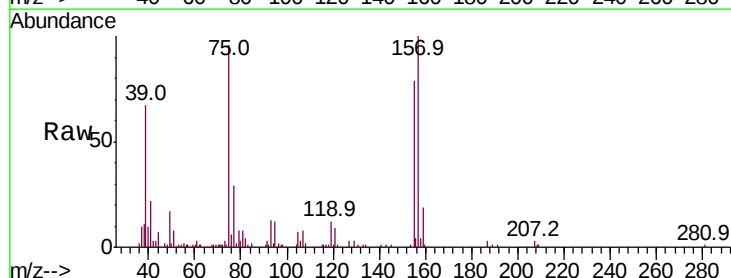
RT: 14.49 min Scan# 2064

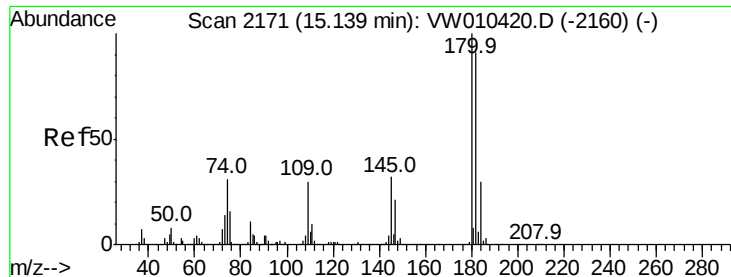
Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Tgt Ion:	75	Resp:	33154
Ion Ratio	Lower	Upper	
75	100		
155	82.8	43.5	130.7
157	104.7	54.8	164.4





#93

1,2,4-Trichlorobenzene

Concen: 19.048 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Instrument :

MSVOA_W

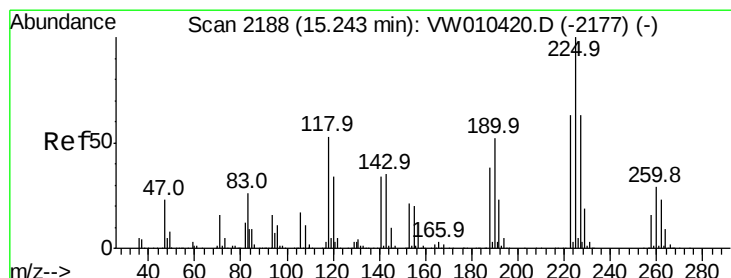
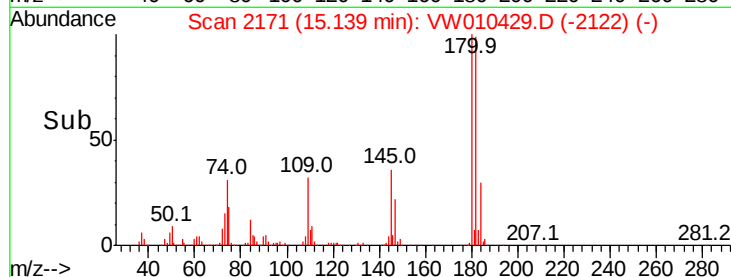
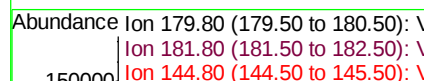
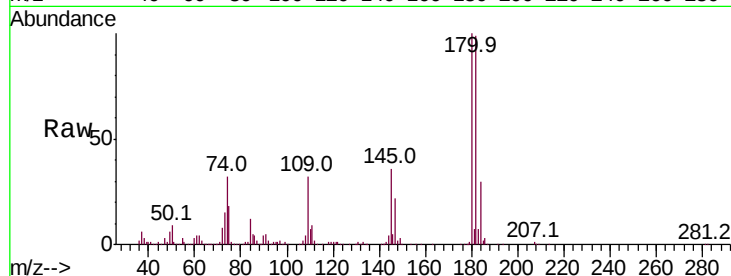
ClientSampleId :

VW0517SBS01

Tot Ion:	180	Resp:	214465
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.0	141.2
145	35.3	16.6	49.7

Manual Integrations
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MMDadoda
5/20/2019 12:15:28 PM



#94

Hexachlorobutadiene

Concen: 18.635 ug/l

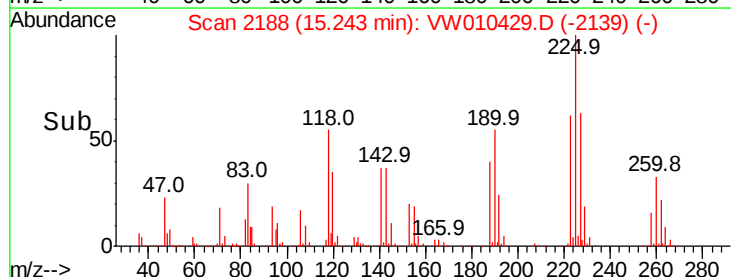
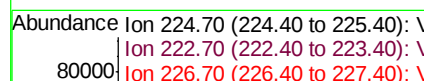
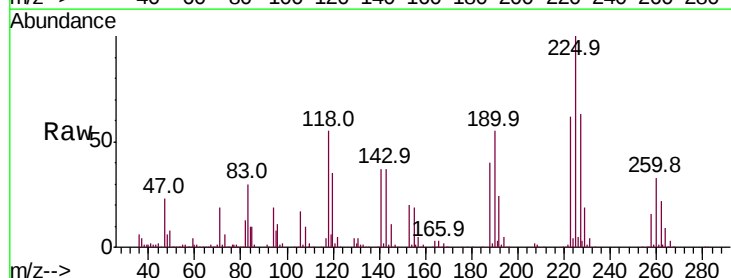
RT: 15.24 min Scan# 2188

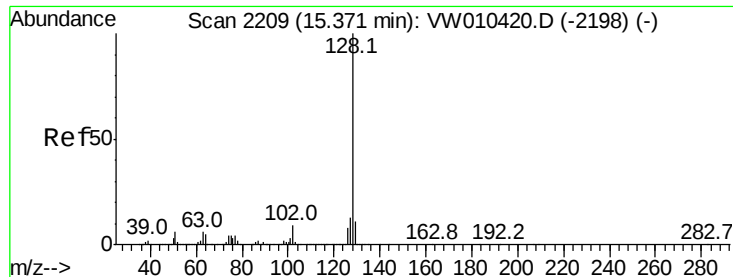
Delta R.T. -0.00 min

Lab File: VW010429.D

Acq: 18 May 2019 00:31

Tgt Ion:	225	Resp:	112013
Ion Ratio	Lower	Upper	
225	100		
223	61.7	32.0	96.2
227	62.1	31.4	94.0





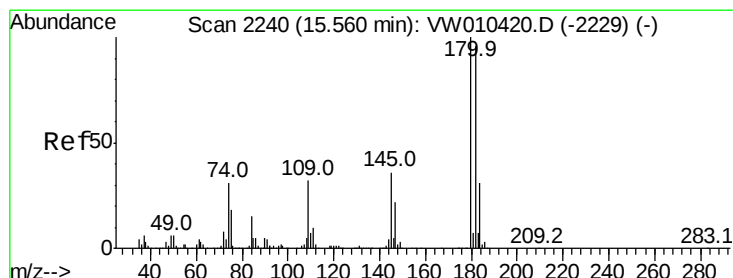
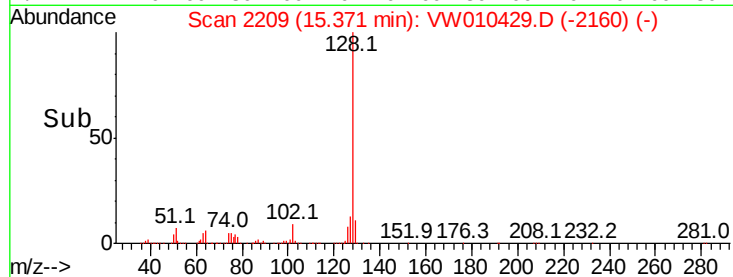
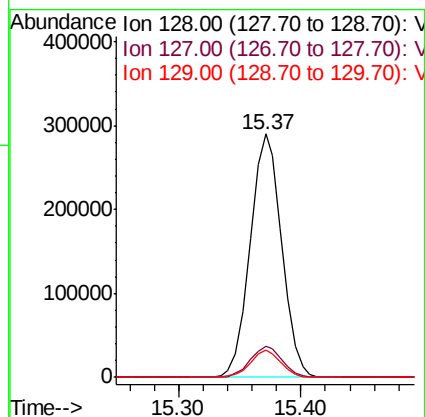
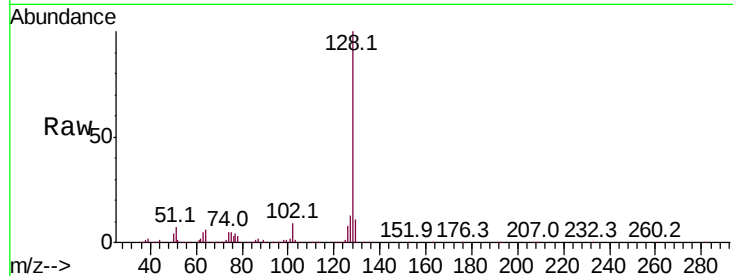
#95
Naphthalene
Concen: 20.383 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	518748		
127	12.9		10.5	15.7
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 12:15:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.296 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010429.D
Acq: 18 May 2019 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	191547		
182	96.0		47.6	142.9
145	37.5		17.8	53.5

